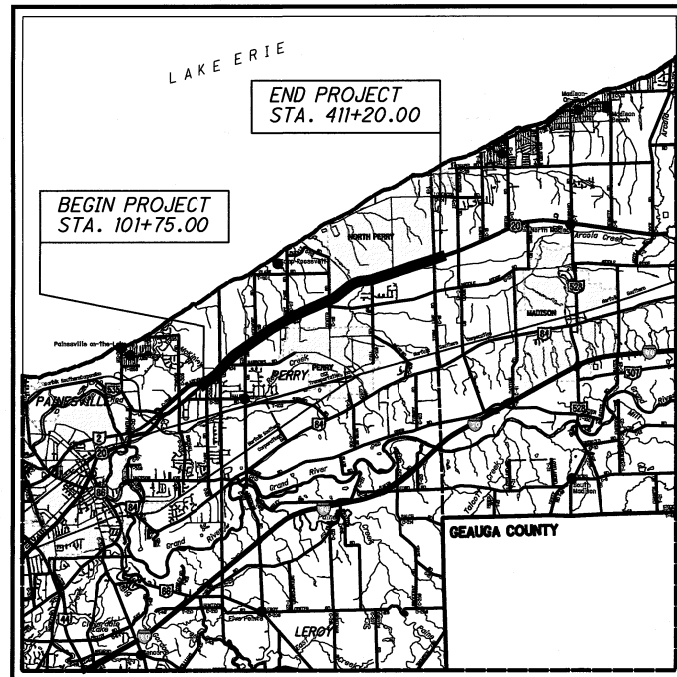


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LOCATION MAP

LATITUDE: 41°45'58.7" LONGITUDE: 81°10'51.7"



PORTION TO BE IMPROVED	=====
INTERSTATE HIGHWAY	=====
FEDERAL ROUTES	=====
STATE ROUTES	=====
COUNTY & TOWNSHIP ROADS	=====
OTHER ROADS	=====

**DESIGN DESIGNATION: LAK-US-20-19.59**

CURRENT ADT (2022)	25,000
DESIGN YEAR ADT (2042)	31,850
DESIGN HOURLY VOLUME (2042)	3,185
DIRECTIONAL DISTRIBUTION	62%
TRUCKS (24 HOUR B&C)	10%
DESIGN SPEED	45 MPH
LEGAL SPEED	45 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
URBAN PRINCIPAL ARTERIAL	
NHS PROJECT	YES

**DESIGN EXCEPTIONS**

NONE REQUIRED

**ADA DESIGN WAIVERS**

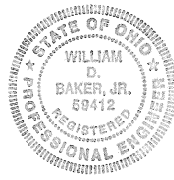
NONE REQUIRED



PLAN PREPARED BY:



ENGINEERS SEAL:



SIGNED: *William D. Baker, Jr.*  
DATE: 7/15/2022

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STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-2.1	1-21-22	CB-1	7-16-21	DM-3.1	1-18-13	MT-101.75	1-17-20	TC-42.20	10-18-13	800 SEE PROPOSAL	PN 121
BP-2.2	1-15-21	CB-2-2ABC	7-15-22	DM-4.3	1-15-16	MT-101.90	7-17-20	TC-51.11	1-15-16	809	7-15-22
BP-3.1	1-21-22	CB-2-34	7-16-21	DM-4.4	1-15-16	MT-102.10	1-17-20	TC-52.10	10-18-13	815	4-16-21
BP-4.1	7-19-13	CB-3	7-16-21			MT-102.20	4-19-19	TC-52.20	1-15-21	821	4-20-12
BP-5.1	7-15-22	CB-3A	7-16-21	HW-2.1	7-20-18	MT-103.10	1-21-22	TC-65.10	1-17-14	832	7-15-22
BP-7.1	1-21-22	CB-6	1-21-22	HW-2.2	7-20-18	MT-105.10	1-17-20	TC-65.11	7-15-22	870	4-16-21
								TC-71.10	7-15-22	878	1-21-22
MGS-1.1	7-16-21	I-2	7-16-21	HL-30.11	1-15-21	TC-12.31	1-21-22	TC-72.20	7-20-18	895	4-18-14
MGS-2.1	1-19-18	I-2A	7-16-21	HL-30.22	1-15-21	TC-15.116	1-15-21	TC-74.10	1-21-22	906	10-15-10
MGS-3.1	1-19-18			MT-95.31	7-19-19	TC-16.22	7-16-21	TC-81.22	7-15-22	909	7-15-22
MGS-4.2	7-19-13	MH-1	7-15-22	MT-95.32	4-19-19	TC-21.11	7-16-21	TC-83.10	1-17-20	921	4-20-12
		MH-3	7-16-21	MT-95.41	1-17-20	TC-21.21	7-15-22	TC-83.20	7-15-22	938	1-19-18
RM-1.1	1-15-21			MT-97.12	1-17-20	TC-22.10	4-17-20	TC-84.20	10-18-13	995	7-17-15
RM-3.1	7-20-18	DM-1.1	7-17-20	MT-99.20	4-19-19	TC-22.20	1-17-14	TC-85.10	4-17-20		
RM-4.2	4-17-20	DM-1.2	7-16-21	MT-101.60	1-17-20	TC-41.20	10-18-13	TC-85.20	7-20-18		
				MT-101.70	1-17-20	TC-41.30	10-18-13				

**PROJECT DESCRIPTION**

MAJOR REHABILITATION OF 5.4 MILES OF NORTH RIDGE ROAD (US-20) FROM SR. 2 TO TOWNLINE ROAD IN PERRY TOWNSHIP. WORK WILL INCLUDE ROADWAY WIDENING, RESURFACING AND SIDEWALK, DRAINAGE AND TRAFFIC SIGNAL IMPROVEMENTS.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA: 55.1 ACRES  
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 1.0 ACRES  
NOTICE OF INTENT EARTH DISTURBED AREA: 56.1 ACRES

**2019 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

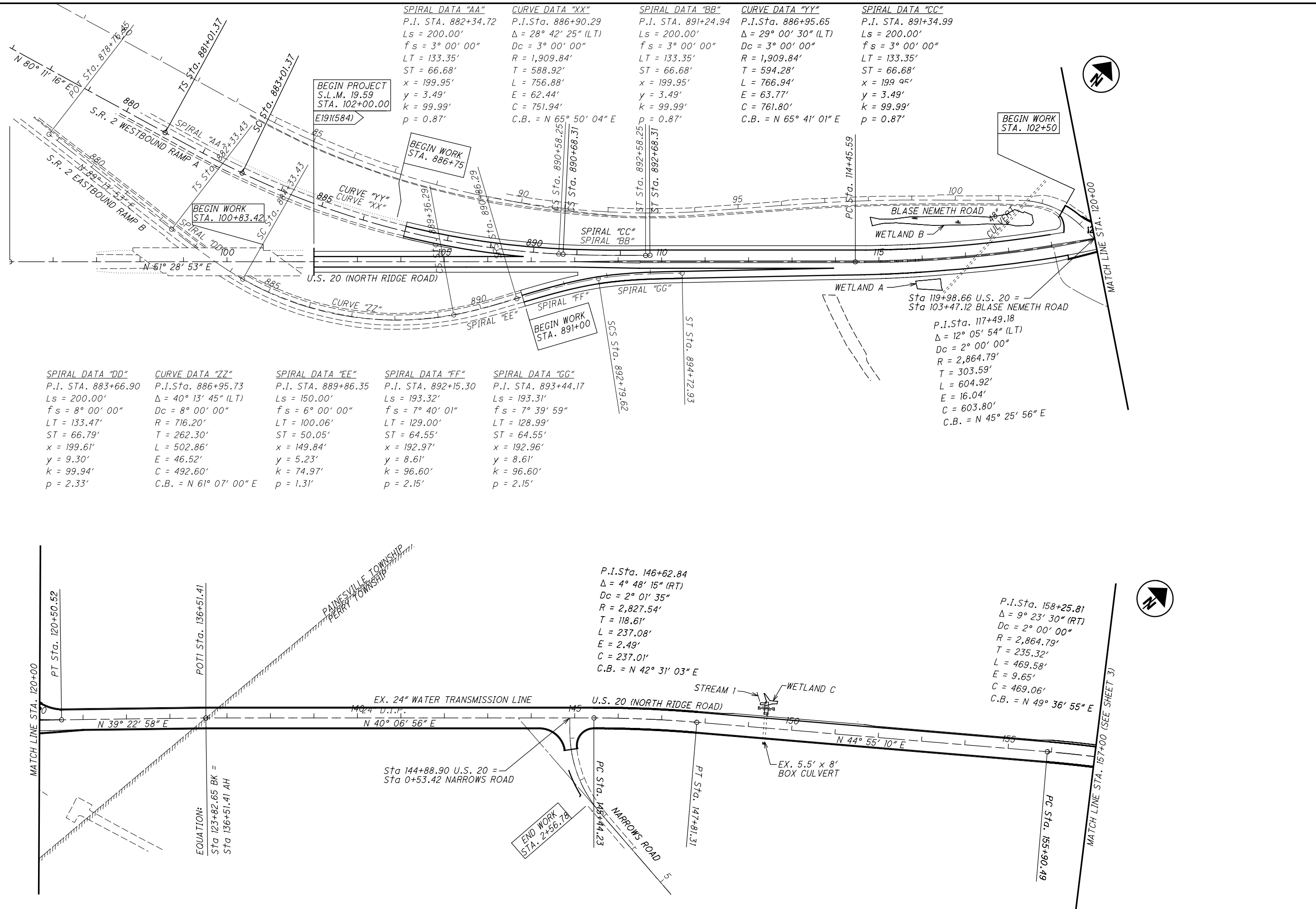
APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ DISTRICT DEPUTY DIRECTOR

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. E191(584)  
PID NO. 108665  
CONSTRUCTION PROJECT NO.  
RAILROAD INVOLVEMENT NONE  
LAK-US-20-19.59 PART 1  
1/253



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SPIRAL DATA "AA"	CURVE DATA "XX"	SPIRAL DATA "BB"	CURVE DATA "YY"	SPIRAL DATA "CC"
P.I. STA. 882+34.72	P.I. Sta. 886+90.29	P.I. STA. 891+24.94	P.I. Sta. 886+95.65	P.I. STA. 891+34.99
Ls = 200.00'	$\Delta = 28^\circ 42' 25''$ (LT)	Ls = 200.00'	$\Delta = 29^\circ 00' 30''$ (LT)	Ls = 200.00'
fs = 3° 00' 00"	Dc = 3° 00' 00"	fs = 3° 00' 00"	Dc = 3° 00' 00"	fs = 3° 00' 00"
LT = 133.35'	R = 1,909.84'	LT = 133.35'	R = 1,909.84'	LT = 133.35'
ST = 66.68'	T = 588.92'	ST = 66.68'	T = 594.28'	ST = 66.68'
x = 199.95'	L = 756.88'	x = 199.95'	L = 766.94'	x = 199.95'
y = 3.49'	E = 62.44'	y = 3.49'	E = 63.77'	y = 3.49'
k = 99.99'	C = 751.94'	k = 99.99'	C = 761.80'	k = 99.99'
p = 0.87'	C.B. = N 65° 50' 04" E	p = 0.87'	C.B. = N 65° 41' 01" E	p = 0.87'

SPIRAL DATA "DD"	CURVE DATA "ZZ"	SPIRAL DATA "EE"	SPIRAL DATA "FF"	SPIRAL DATA "GG"
P.I. STA. 883+66.90	P.I. Sta. 886+95.73	P.I. STA. 889+86.35	P.I. STA. 892+15.30	P.I. STA. 893+44.17
Ls = 200.00'	$\Delta = 40^\circ 13' 45''$ (LT)	Ls = 150.00'	Ls = 193.32'	Ls = 193.31'
fs = 8° 00' 00"	Dc = 8° 00' 00"	fs = 6° 00' 00"	fs = 7° 40' 01"	fs = 7° 39' 59"
LT = 133.47'	R = 716.20'	LT = 100.06'	LT = 129.00'	LT = 128.99'
ST = 66.79'	T = 262.30'	ST = 50.05'	ST = 64.55'	ST = 64.55'
x = 199.61'	L = 502.86'	x = 149.84'	x = 192.97'	x = 192.96'
y = 9.30'	E = 46.52'	y = 5.23'	y = 8.61'	y = 8.61'
k = 99.94'	C = 492.60'	k = 74.97'	k = 96.60'	k = 96.60'
p = 2.33'	C.B. = N 61° 07' 00" E	p = 1.31'	p = 2.15'	p = 2.15'

Sta 119+98.66 U.S. 20 =  
Sta 103+47.12 BLASE NEMETH ROAD  
P.I. Sta. 117+49.18  
 $\Delta = 12^\circ 05' 54''$  (LT)  
Dc = 2° 00' 00"  
R = 2,864.79'  
T = 303.59'  
L = 604.92'  
E = 16.04'  
C = 603.80'  
C.B. = N 45° 25' 56" E

P.I. Sta. 146+62.84  
 $\Delta = 4^\circ 48' 15''$  (RT)  
Dc = 2° 01' 35"  
R = 2,827.54'  
T = 118.61'  
L = 237.08'  
E = 2.49'  
C = 237.01'  
C.B. = N 42° 31' 03" E

P.I. Sta. 158+25.81  
 $\Delta = 9^\circ 23' 30''$  (RT)  
Dc = 2° 00' 00"  
R = 2,864.79'  
T = 235.32'  
L = 469.58'  
E = 9.65'  
C = 469.06'  
C.B. = N 49° 36' 55" E

CALCULATED

TLS

CHECKED

JMP

0

50

100

200

HORIZONTAL SCALE IN FEET

SCHEMATIC PLAN

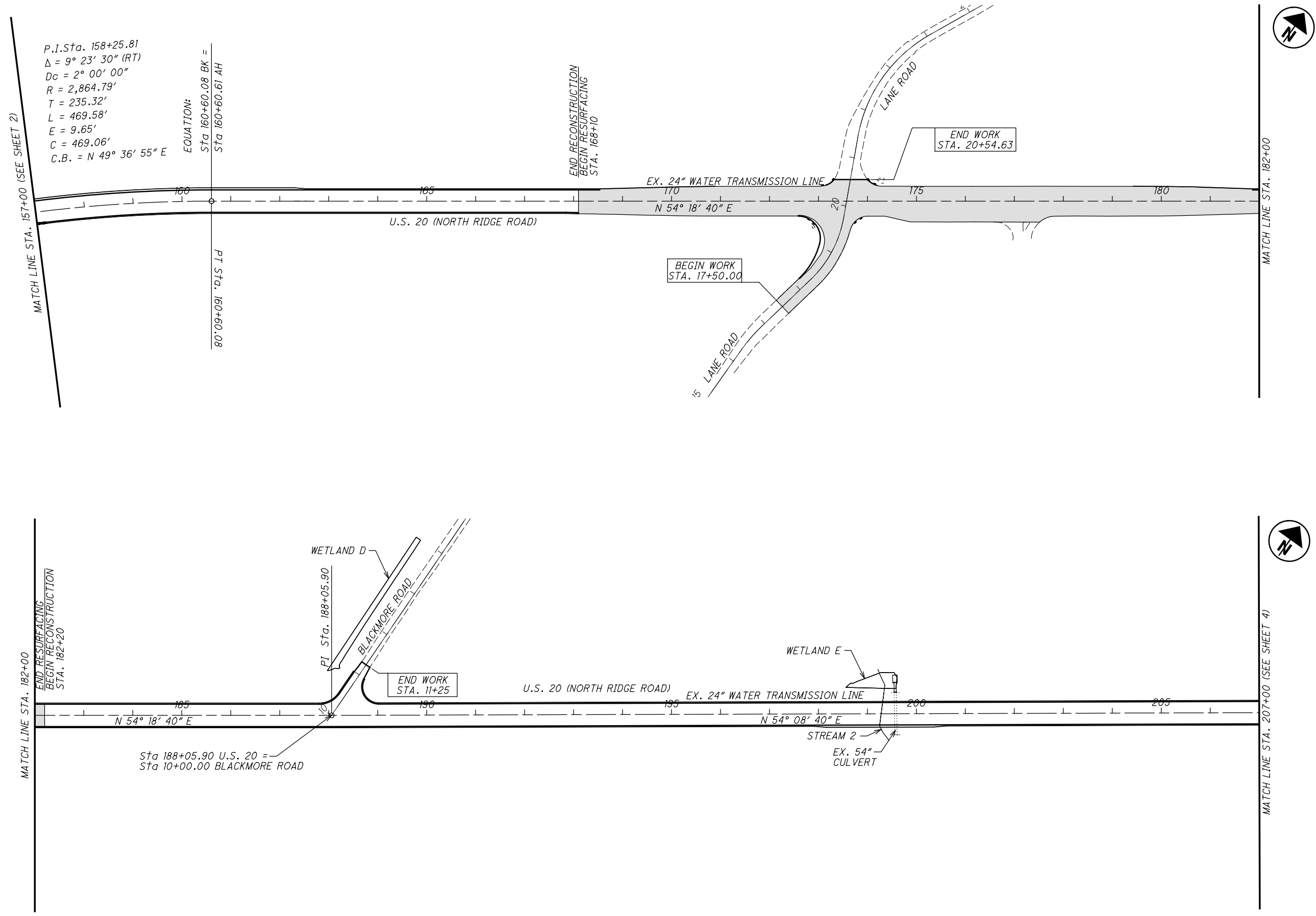
STA. 95+00 TO STA. 157+00

LAK-US-20-19.59

PART 1

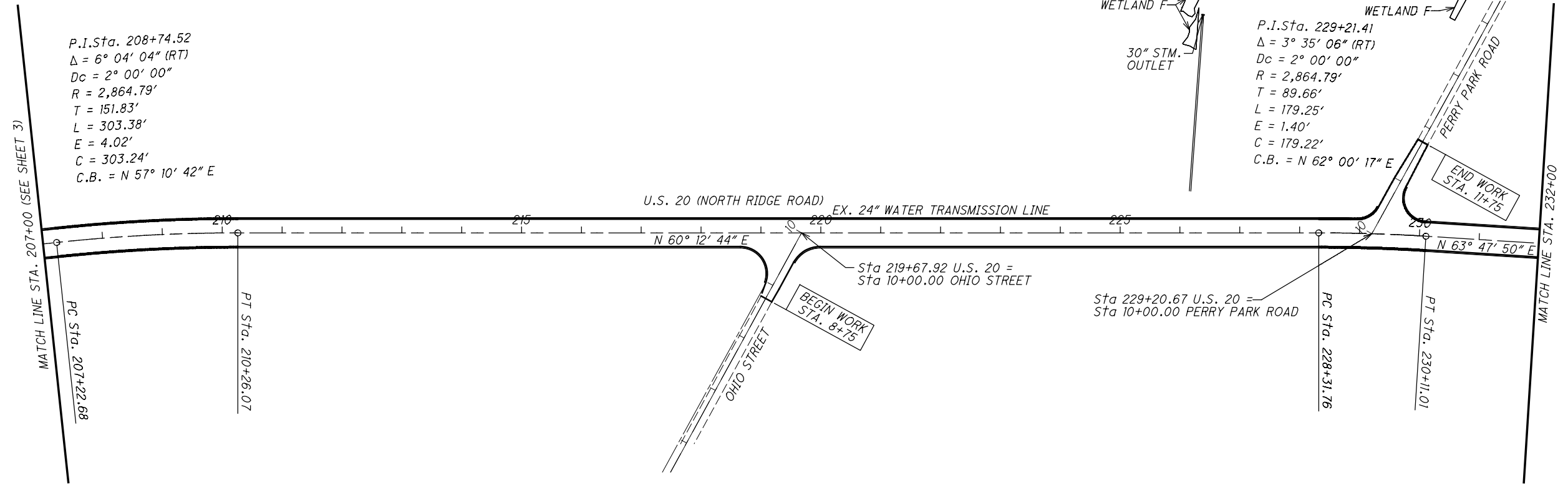
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1253



= RESURFACING

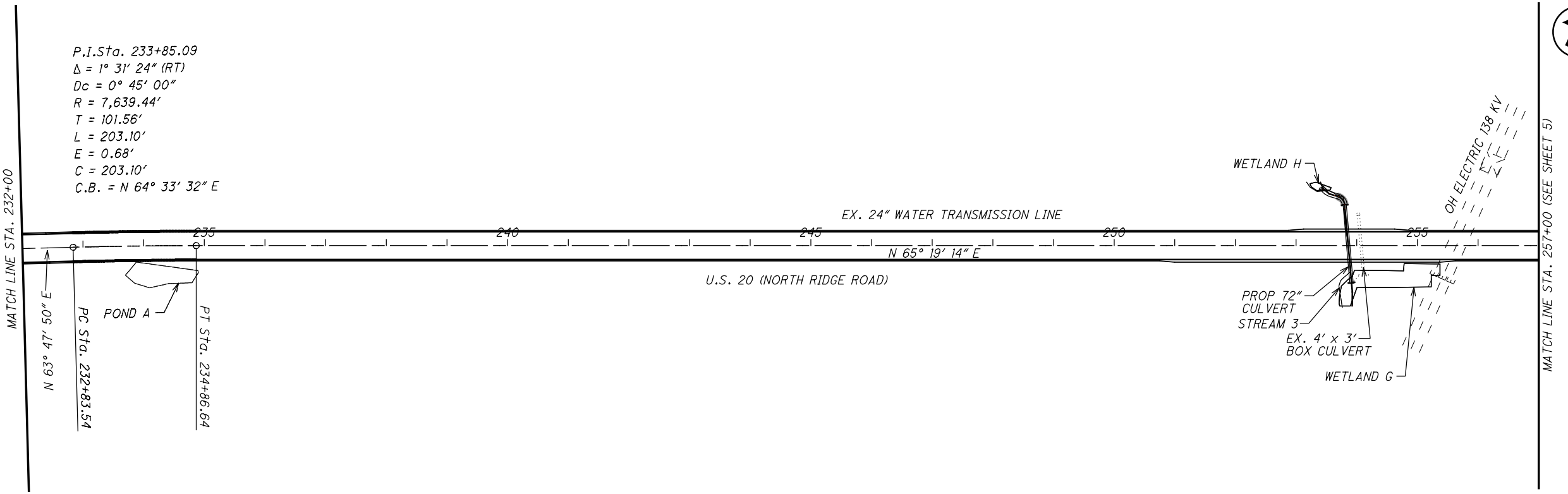
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P.I. Sta. 208+74.52  
 $\Delta = 6^\circ 04' 04''$  (RT)  
 $Dc = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 151.83'$   
 $L = 303.38'$   
 $E = 4.02'$   
 $C = 303.24'$   
 $C.B. = N 57^\circ 10' 42'' E$

P.I. Sta. 229+21.41  
 $\Delta = 3^\circ 35' 06''$  (RT)  
 $Dc = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 89.66'$   
 $L = 179.25'$   
 $E = 1.40'$   
 $C = 179.22'$   
 $C.B. = N 62^\circ 00' 17'' E$

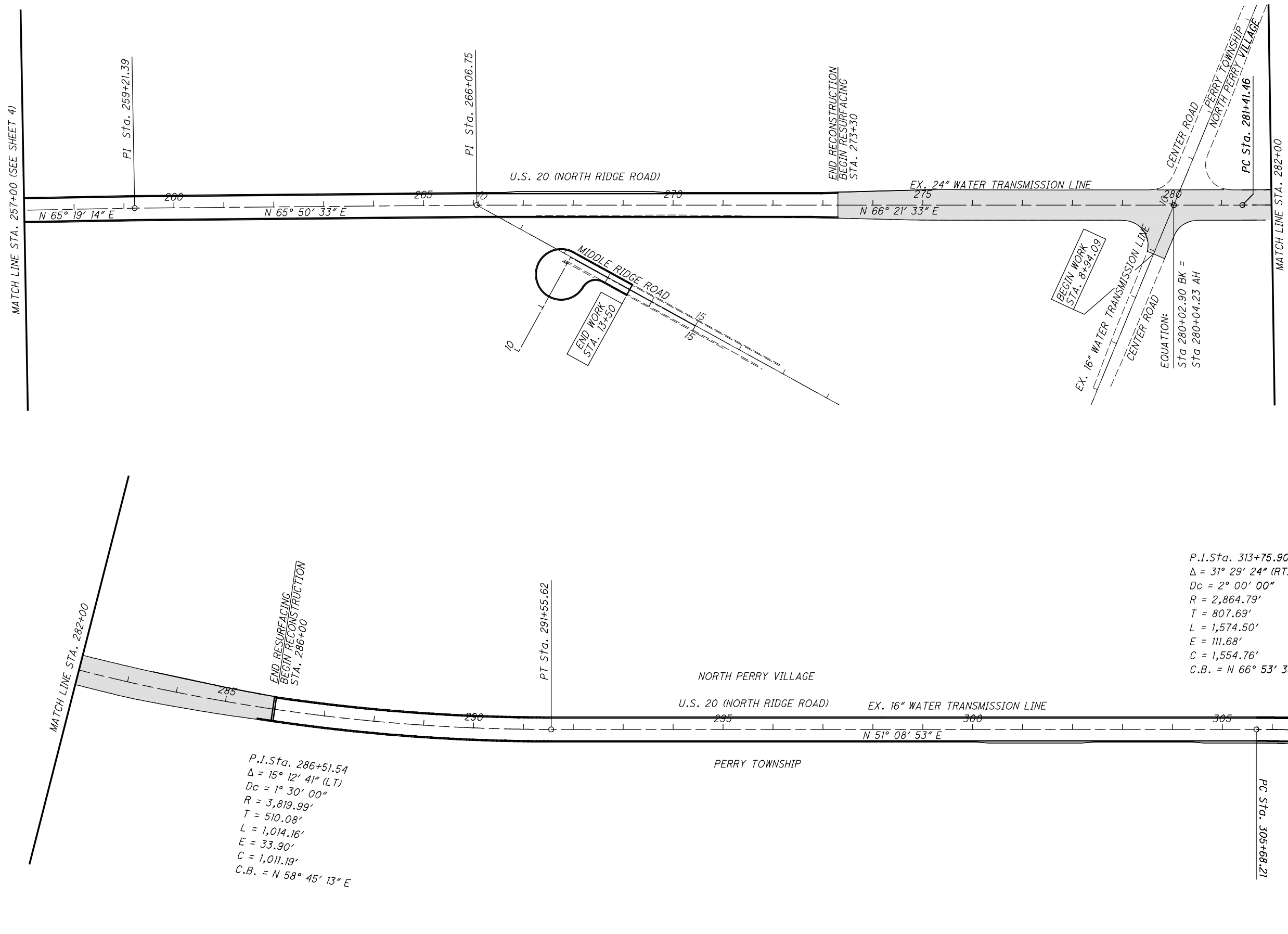
P.I. Sta. 233+85.09  
 $\Delta = 1^\circ 31' 24''$  (RT)  
 $Dc = 0^\circ 45' 00''$   
 $R = 7,639.44'$   
 $T = 101.56'$   
 $L = 203.10'$   
 $E = 0.68'$   
 $C = 203.10'$   
 $C.B. = N 64^\circ 33' 32'' E$



CALCULATED	TLS	CHECKED	JMP

**SCHEMATIC PLAN**  
**STA. 207+00 TO STA. 257+00**

**LAK-US-20-19.59**  
**PART 1**

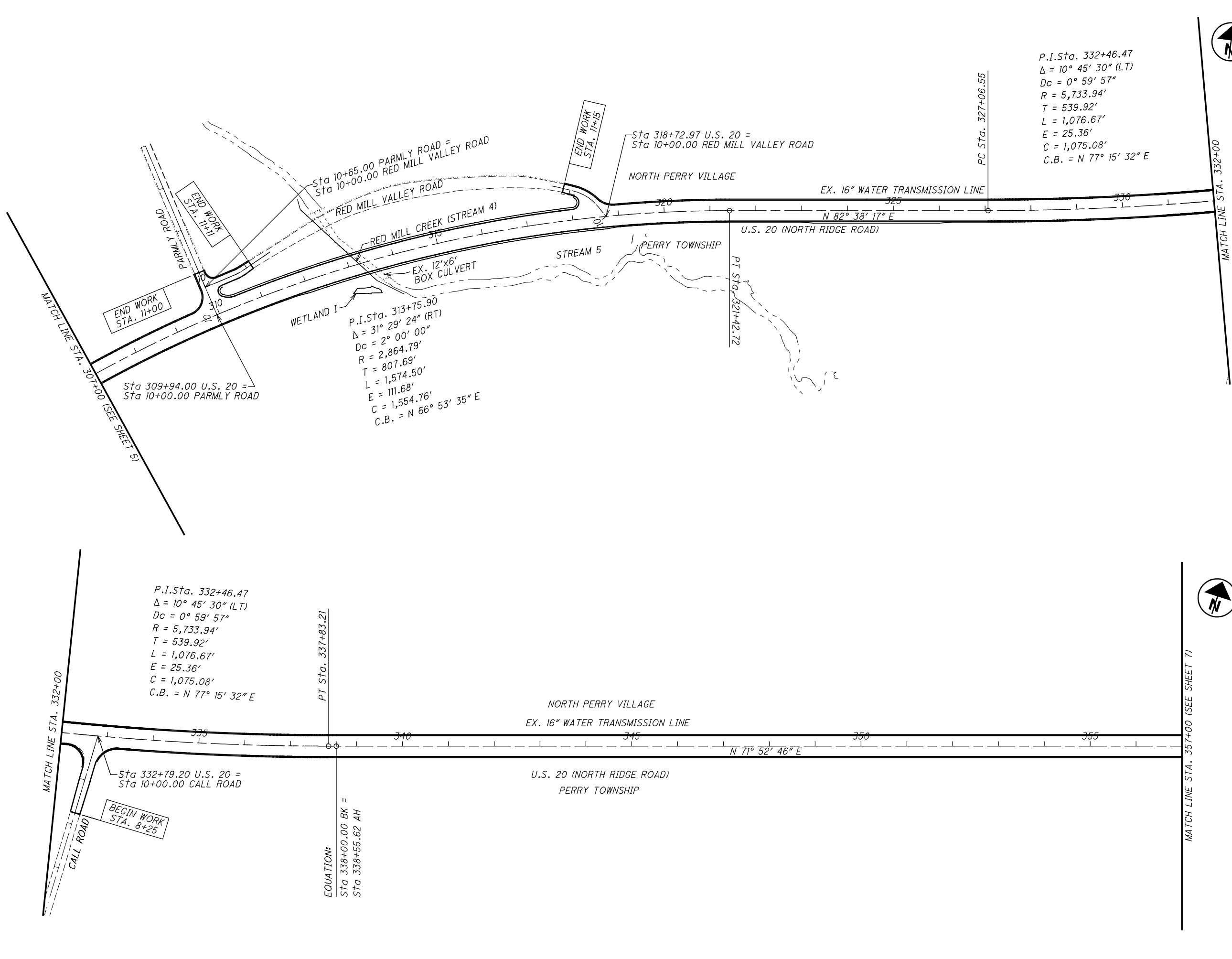


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TLS	50
CHECKED	200
JMP	

HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59**  
**PART 1**  
**SCHEMATIC PLAN**  
**STA. 257+00 TO STA. 307+00**

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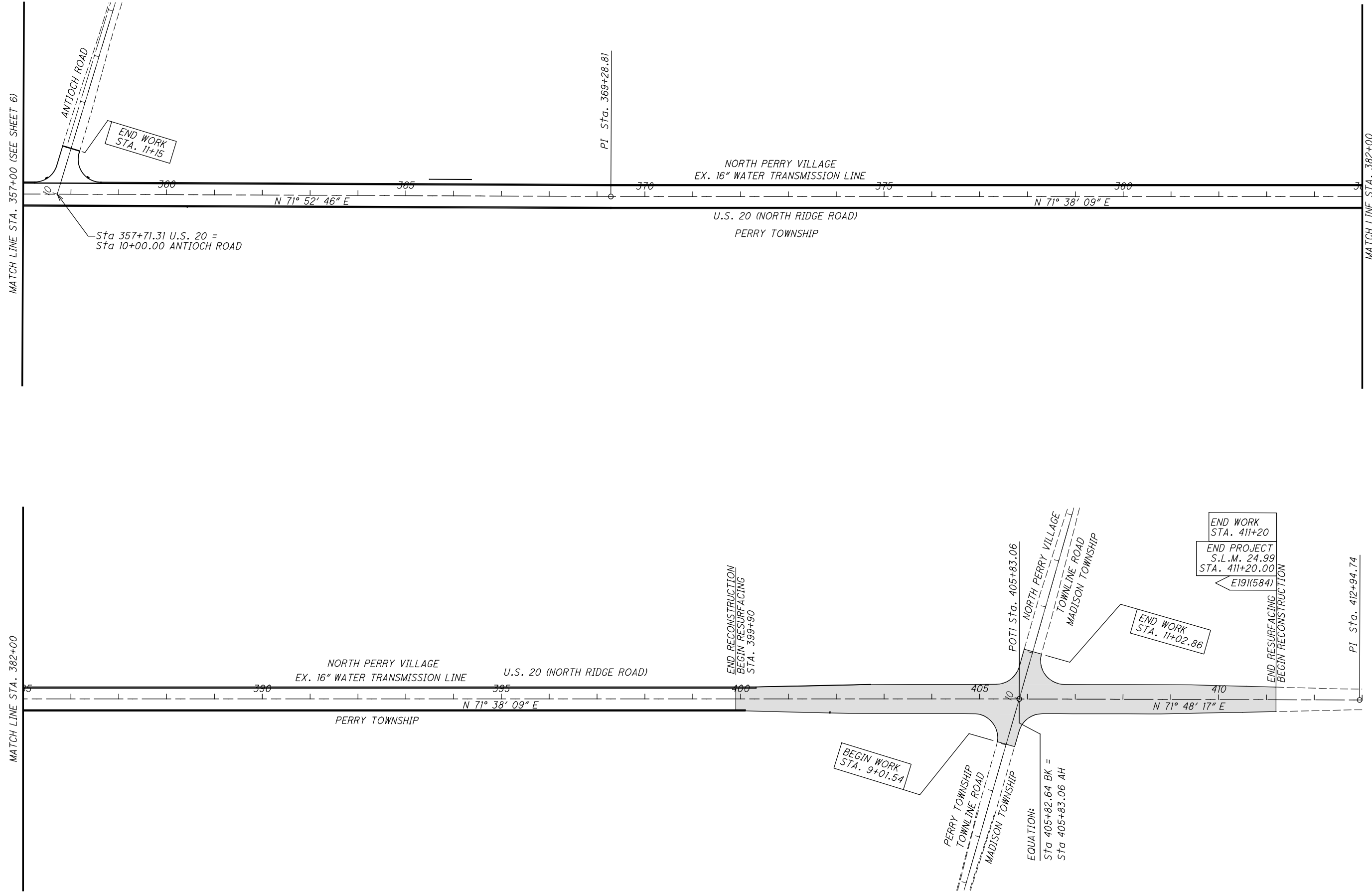


**LAK-US-20-19.59**  
**PART 1**  
**SCHEMATIC PLAN**  
**STA. 307+00 TO STA. 357+00**

LAK-US-20-19.59  
PART 1



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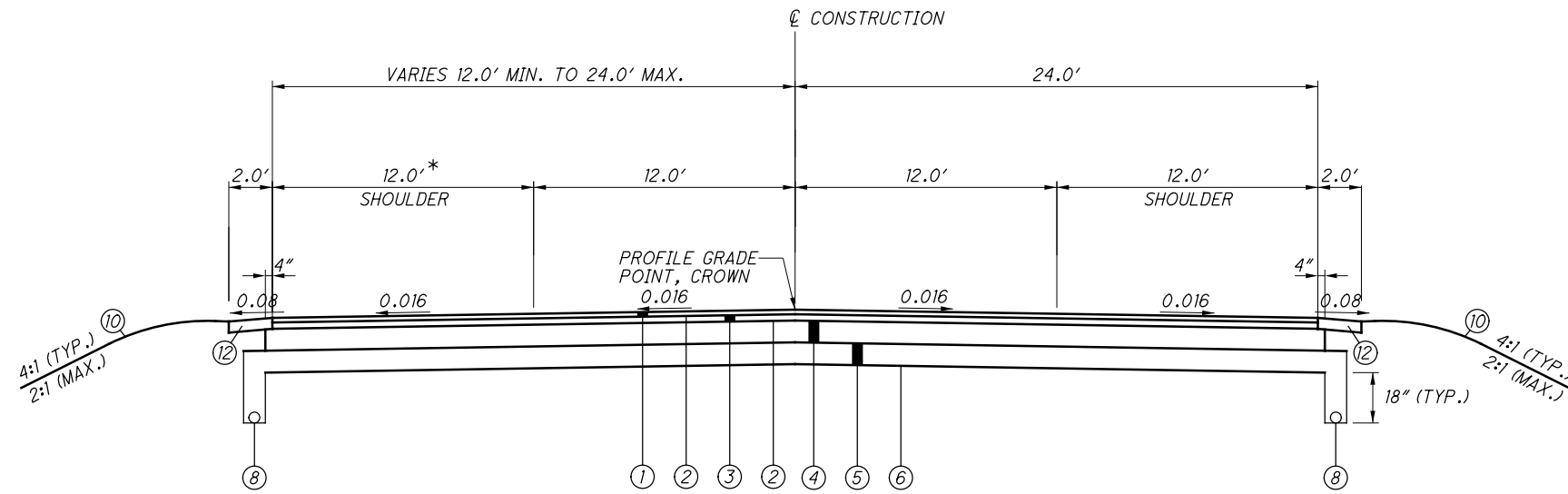
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CHECKED	JMP
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HORIZONTAL SCALE IN FEET

**SCHEMATIC PLAN**  
**STA. 357+00 TO STA. 407+00**

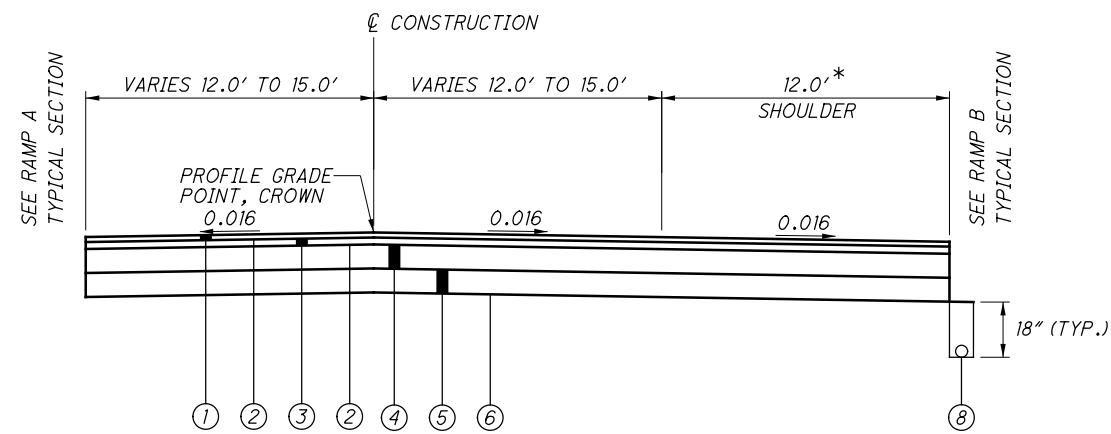
**LAK-US-20-19.59**  
**PART 1**

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**U.S. 20 - 2-LANE NORMAL SHOULDER SECTION**  
STA. 102+00.00 TO STA. 108+00.00

\* VARIES 12.0' TO 0.0' STA. 105+82.33 TO STA. 106+81.25  
0.0' STA 106+81.25 TO STA 108+00.00



**U.S. 20 - 2-LANE NORMAL SHOULDER SECTION**  
STA. 108+00.00 TO STA. 109+50.00

\* VARIES 12.0' TO 0.0' STA 109+00.00 TO STA 109+25.89

**LEGEND**

- ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M
- ② ITEM 407 - NON-TRACKING TACK COAT
- ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-22
- ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22
- ⑤ ITEM 304 - 6" AGGREGATE BASE
- ⑥ ITEM 204 - SUBGRADE COMPACTION
- ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑨ ITEM 606 - GUARDRAIL, TYPE MGS
- ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1
- ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE

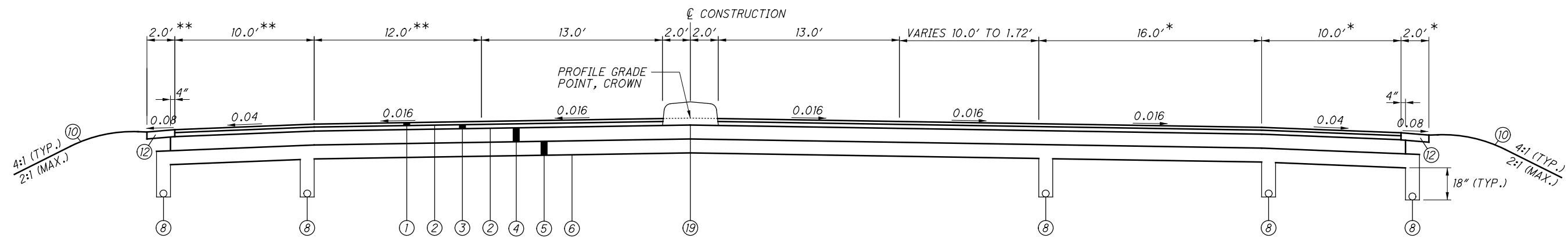
- ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE
- ⑬ ITEM 608 - 4" CONCRETE WALK
- ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- ⑰ ITEM 609 - CURB, TYPE 3A
- ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- ⑲ ITEM 609 - CONCRETE MEDIAN
- ⑳ ITEM 609 - CURB, TYPE 6
- ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
- ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN

NOTE: ROADWAY TYPICAL SECTIONS INDICATE THE FINAL CONDITION OF 1.5 INCHES ASPHALT SURFACE COURSE PLACED UPON AN INTERMEDIATE COURSE. DURING MOT PHASES 1, 2, 3, 4, 5 AND 6, 3.25 INCHES OF ASPHALT INTERMEDIATE COURSE WILL TEMPORARILY BE PLACED. DURING MOT PHASE 7, 1.5 INCHES OF THE INTERMEDIATE COURSE WILL BE MILLED AND 1.5 INCHES OF ASPHALT SURFACE COURSE WILL BE PLACED. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS.

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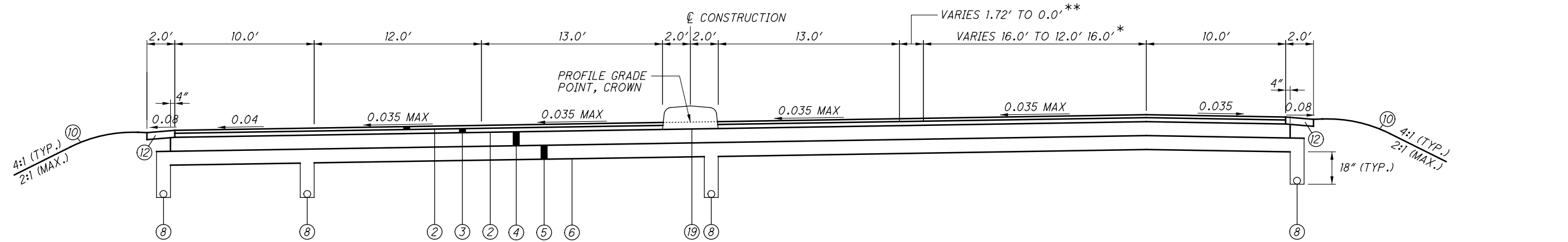
TYPICAL SECTIONS

LAK-US-20-19.59  
PART 1



**U.S. 20 4-LANE NORMAL SHOULDER/MEDIAN SECTION**  
STA. 109+50.00 TO STA. 113+09.89

\* STA. 110+47.07 TO STA. 113+09.89  
\*\* STA. 109+73.22 TO STA. 113+09.89



**U.S. 20 4-LANE SUPERELEVATED SHOULDER/MEDIAN SECTION**  
STA. 113+09.89 TO 119+00.00

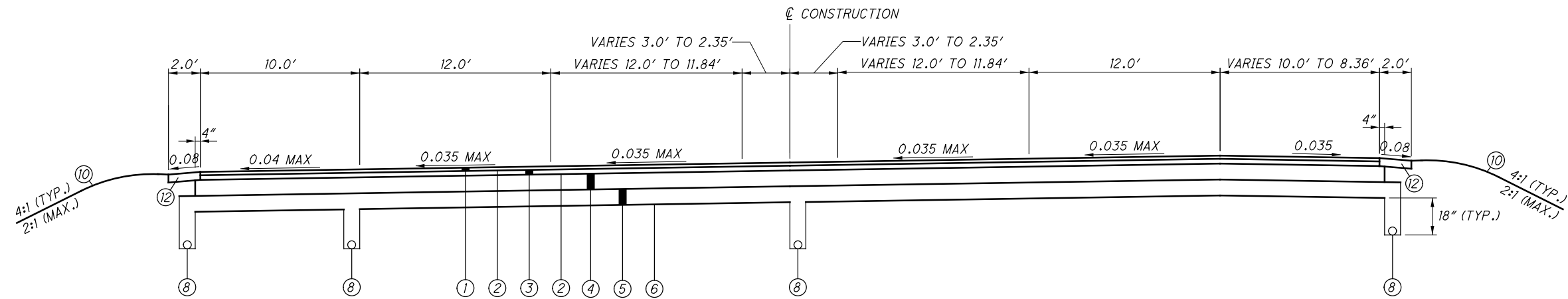
\* 16.0' STA 113+09.89 TO STA 113+95.45  
VARIES 16.0' TO 12.0' STA 113+95.45 TO STA 116+50.00  
12.0' STA 116+50.00 TO STA 119+00.00  
\*\* STA. 113+09.89 TO STA. 113+95.45

NOTE: ROADWAY TYPICAL SECTIONS INDICATE THE FINAL CONDITION OF 1.5 INCHES ASPHALT SURFACE COURSE PLACED UPON AN INTERMEDIATE COURSE. DURING MOT PHASES 1, 2, 3, 4, 5 AND 6, 3.25 INCHES OF ASPHALT INTERMEDIATE COURSE WILL TEMPORARILY BE PLACED. DURING MOT PHASE 7, 1.5 INCHES OF THE INTERMEDIATE COURSE WILL BE MILLED AND 1.5 INCHES OF ASPHALT SURFACE COURSE WILL BE PLACED. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS.

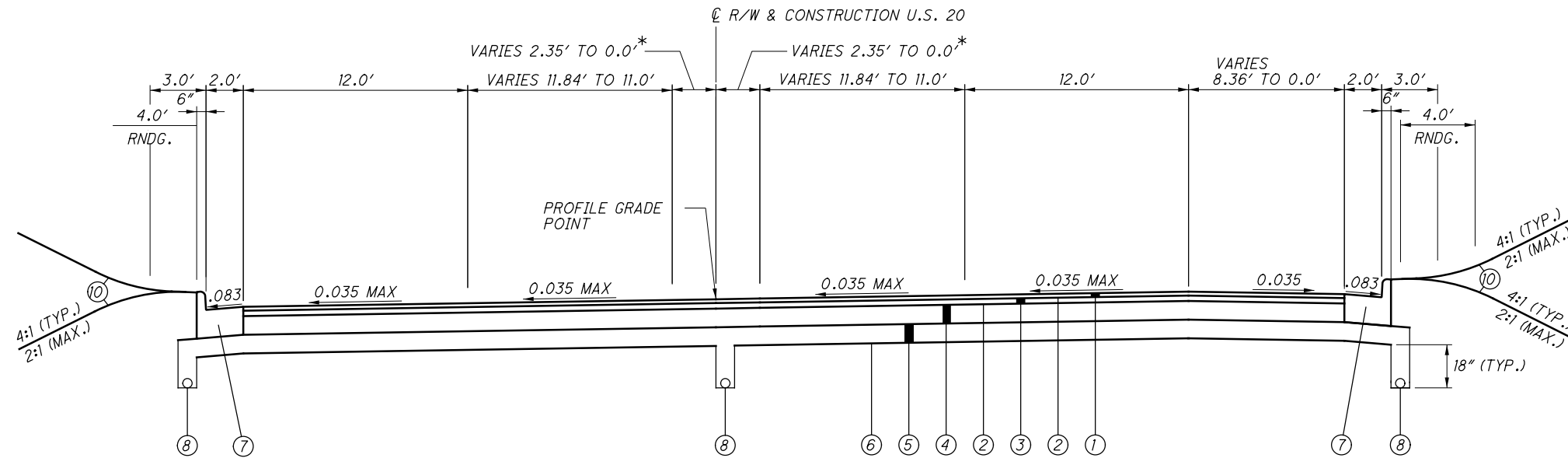
**LEGEND**

- |   |   |
|---|---|
| ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M    | ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE   |
| ② ITEM 407 - NON-TRACKING TACK COAT   | ⑬ ITEM 608 - 4" CONCRETE WALK   |
| ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28 | ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22                         |
| ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22                                 | ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)                             |
| ⑤ ITEM 304 - 6" AGGREGATE BASE  | ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)   |
| ⑥ ITEM 204 - SUBGRADE COMPACTION  | ⑰ ITEM 609 - CURB, TYPE 3A  |
| ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2  | ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P                                       |
| ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC  | ⑲ ITEM 609 - CONCRETE MEDIAN  |
| ⑨ ITEM 606 - GUARDRAIL, TYPE MGS  | ⑳ ITEM 609 - CURB, TYPE 6   |
| ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1  | ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN                                       |
| ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE  | ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN |

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**U.S. 20 4-LANE SUPERELEVATED TRANSITION SHOULDER SECTION**  
STA. 119+00.00 TO STA. 119+32.84



**U.S. 20 4-LANE SUPERELEVATED TRANSITION CURB SECTION**  
STA. 119+32.84 TO STA. 121+00.00

\* STA. 119+32.84 TO STA. 120+50

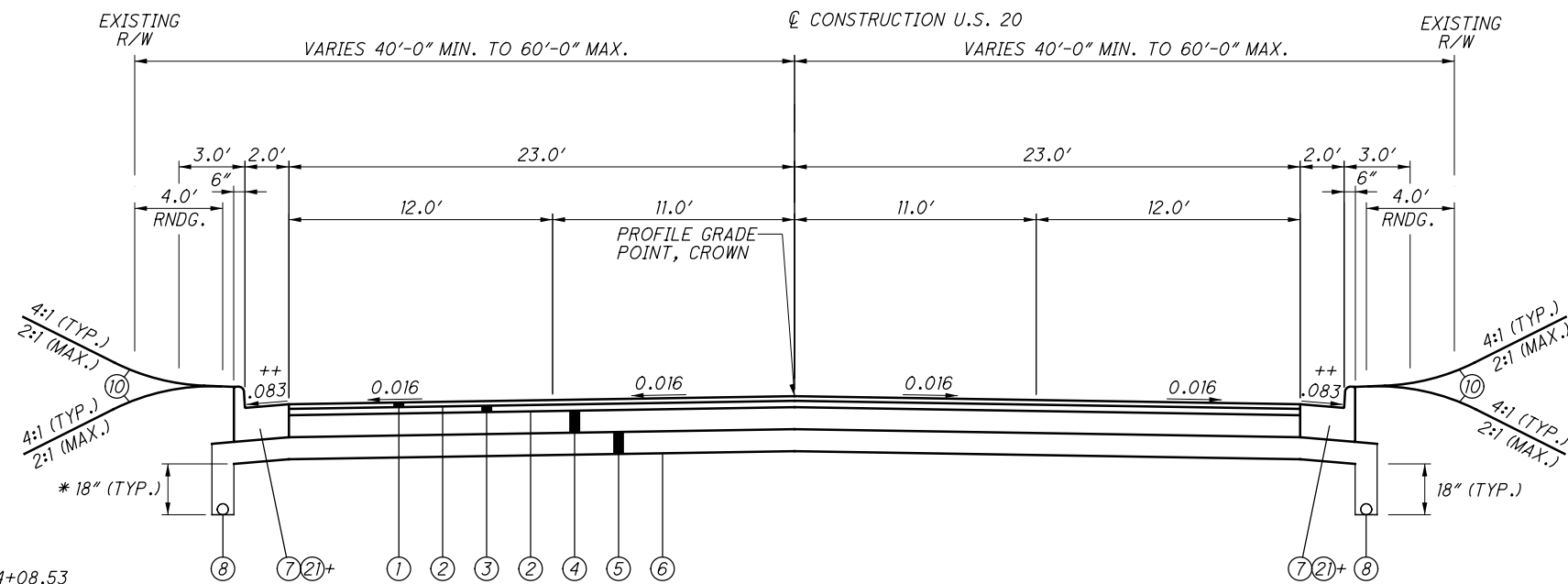
**LEGEND**

- ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M
- ② ITEM 407 - NON-TRACKING TACK COAT
- ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-22
- ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22
- ⑤ ITEM 304 - 6" AGGREGATE BASE
- ⑥ ITEM 204 - SUBGRADE COMPACTION
- ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑨ ITEM 606 - GUARDRAIL, TYPE MGS
- ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1
- ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE

- ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE
- ⑬ ITEM 608 - 4" CONCRETE WALK
- ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- ⑰ ITEM 609 - CURB, TYPE 3A
- ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- ⑲ ITEM 609 - CONCRETE MEDIAN
- ⑳ ITEM 609 - CURB, TYPE 6
- ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
- ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN

NOTE: ROADWAY TYPICAL SECTIONS INDICATE THE FINAL CONDITION OF 1.5 INCHES ASPHALT SURFACE COURSE PLACED UPON AN INTERMEDIATE COURSE. DURING MOT PHASES 1, 2, 3, 4, 5 AND 6, 3.25 INCHES OF ASPHALT INTERMEDIATE COURSE WILL TEMPORARILY BE PLACED. DURING MOT PHASE 7, 1.5 INCHES OF THE INTERMEDIATE COURSE WILL BE PLACED AND 1.5 INCHES OF ASPHALT SURFACE COURSE WILL BE PLACED. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS.

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\* 12" - STA 137+75.00 TO STA 144+08.53  
 STA 149+17.01 TO STA 149+50.00  
 STA 152+75.00 TO STA 154+54.79  
 STA 161+96.31 TO STA 167+84.50  
 STA 182+20.00 TO STA 205+86.98  
 STA 211+67.67 TO STA 226+96.05  
 STA 231+46.71 TO STA 242+50.00  
 STA 249+75.00 TO STA 253+70.00  
 STA 255+10.00 TO STA 272+80.00

**U.S. 20 - 4 LANE NORMAL CURB SECTION**

STA. 121+86.21 TO STA. 123+82.65  
 STATION EQUATION STA. 123+82.65 BACK = STA. 136+51.41 AHEAD  
 STA. 136+51.41 TO STA. 144+08.53  
 STA. 149+17.01 TO STA. 154+54.79  
 STA. 161+96.31 TO STA. 167+84.50  
 STA. 182+20.00 TO STA. 205+86.98  
 STA. 211+61.77 TO STA. 226+96.05  
 STA. 231+46.71 TO STA. 272+80.00  
 STA. 292+75.22 TO STA. 304+32.51  
 STA. 322+78.52 TO STA. 326+05.35  
 STA. 338+84.42 TO STA. 399+90.00

**LEGEND**

- |   |   |
|---|---|
| ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M    | ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE   |
| ② ITEM 407 - NON-TRACKING TACK COAT   | ⑬ ITEM 608 - 4" CONCRETE WALK   |
| ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28 | ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22                         |
| ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22                                 | ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)                             |
| ⑤ ITEM 304 - 6" AGGREGATE BASE  | ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)   |
| ⑥ ITEM 204 - SUBGRADE COMPACTION  | ⑰ ITEM 609 - CURB, TYPE 3A  |
| ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2  | ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC IP                                       |
| ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC  | ⑲ ITEM 609 - CONCRETE MEDIAN  |
| ⑨ ITEM 606 - GUARDRAIL, TYPE MGS  | ⑳ ITEM 609 - CURB, TYPE 6   |
| ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1  | ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN                                       |
| ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE  | ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN |

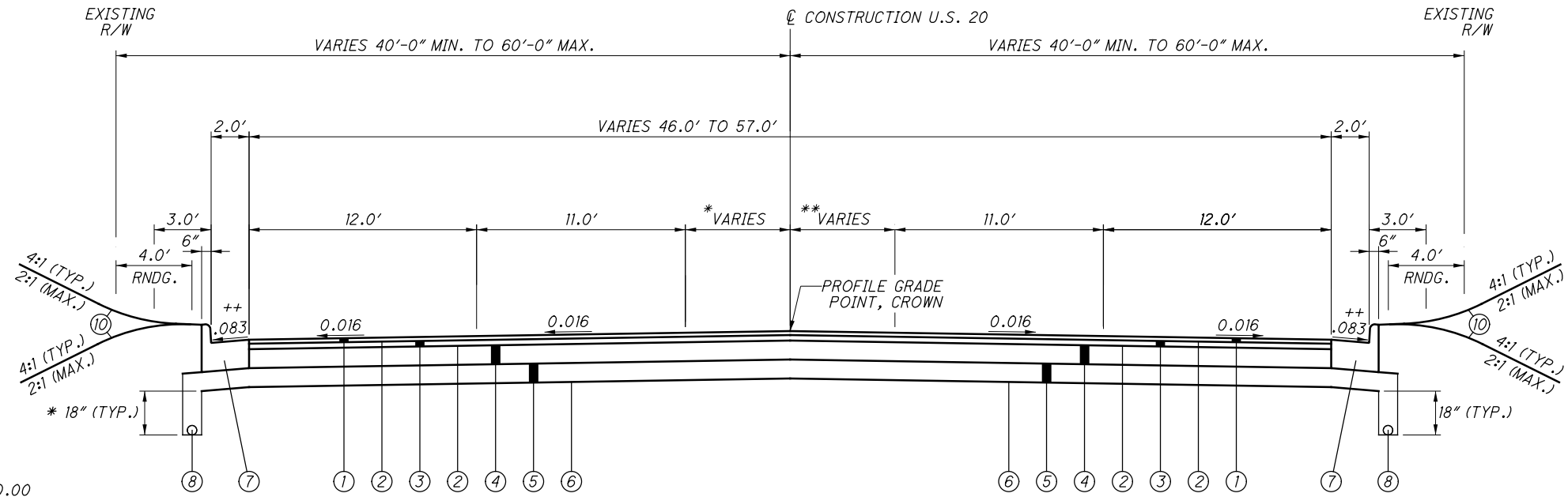
NOTE: ROADWAY TYPICAL SECTIONS INDICATE THE FINAL CONDITION OF 1.5 INCHES ASPHALT SURFACE COURSE PLACED UPON AN INTERMEDIATE COURSE. DURING MOT PHASES 1, 2, 3, 4, 5 AND 6, 3.25 INCHES OF ASPHALT INTERMEDIATE COURSE WILL TEMPORARILY BE PLACED. DURING MOT PHASE 7, 1.5 INCHES OF THE INTERMEDIATE COURSE WILL BE MILLED AND 1.5 INCHES OF ASPHALT SURFACE COURSE WILL BE PLACED. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS.

++ FLATTEN GUTTER CROSS SLOPE TO 0.016 WHERE INDICATED ON THE PLANS TO MATCH EXISTING PAVEMENT

+ - SEE DETAIL ON SHEET 18 FOR LOCATIONS



NOTE: ROADWAY TYPICAL SECTIONS INDICATE THE FINAL CONDITION OF 1.5 INCHES ASPHALT SURFACE COURSE PLACED UPON AN INTERMEDIATE COURSE. DURING MOT PHASES 1, 2, 3, 4, 5 AND 6, 3.25 INCHES OF ASPHALT INTERMEDIATE COURSE WILL TEMPORARILY BE PLACED. DURING MOT PHASE 7, 1.5 INCHES OF THE INTERMEDIATE COURSE WILL BE MILLED AND 1.5 INCHES OF ASPHALT SURFACE COURSE WILL BE PLACED. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS.



\* 12" - STA 167+84.50 TO STA 168+10.00

**U.S. 20 - 4 TO 5-LANE NORMAL CURB SECTION**

STA. 167+84.50 TO STA. 168+10.00  
STA. 272+80.00 TO STA. 273+30.00

STA. 167+84.50 TO STA. 168+10.00  
\* 0.0'  
\*\* VARIES 0.0' TO 0.56'

STA. 272+80.00 TO STA. 273+30.00  
\* VARIES 0.0' TO 0.85'  
\*\* VARIES 0.0' TO 1.15'

**LEGEND**

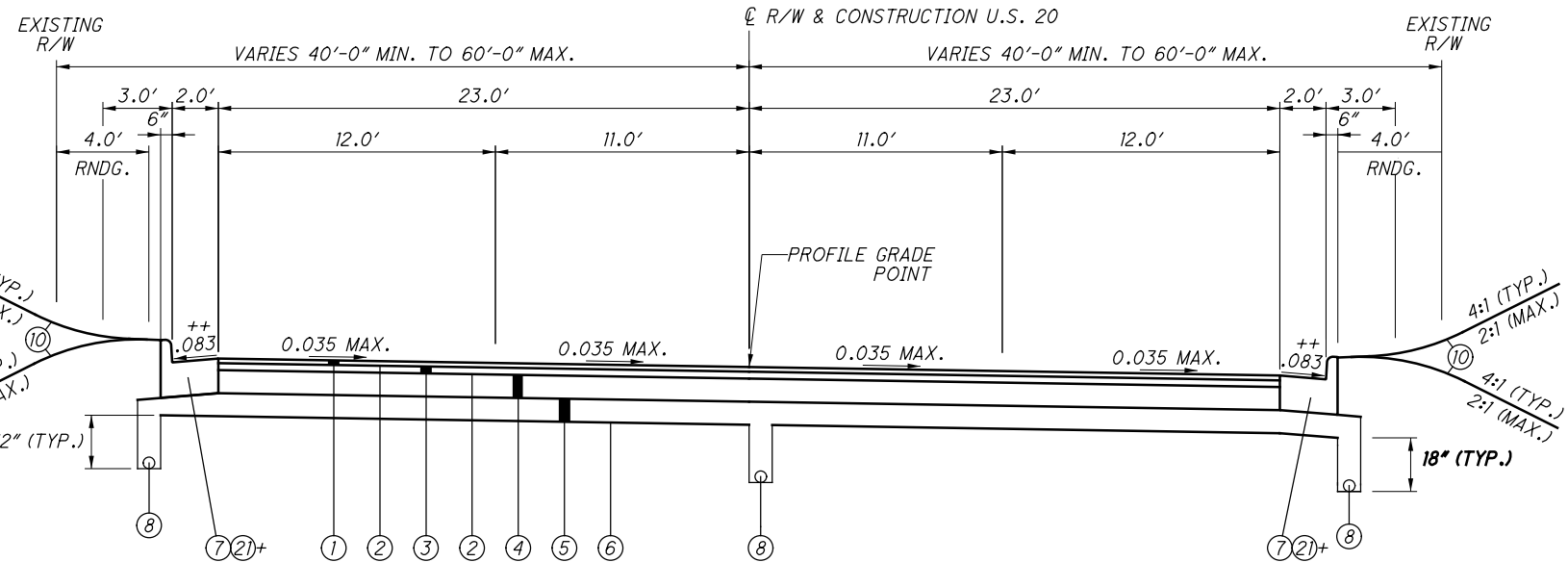
- ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M
- ② ITEM 407 - NON-TRACKING TACK COAT
- ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28
- ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22
- ⑤ ITEM 304 - 6" AGGREGATE BASE
- ⑥ ITEM 204 - SUBGRADE COMPACTION
- ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑨ ITEM 606 - GUARDRAIL, TYPE MGS
- ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1
- ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE
- ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE
- ⑬ ITEM 608 - 4" CONCRETE WALK
- ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- ⑰ ITEM 609 - CURB, TYPE 3A
- ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- ⑲ ITEM 609 - CONCRETE MEDIAN
- ⑳ ITEM 609 - CURB, TYPE 6
- ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
- ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN

\* STA 144+08.53 TO STA 145+33.00 (LEFT)  
STA 148+40.00 TO STA 149+17.01 (LEFT)  
STA 154+54.79 TO STA 156+02.00 (LEFT)  
STA 158+00.00 TO STA 156+02.00 (LEFT)  
STA 160+50.00 TO STA 160+60.08 (LEFT)  
STA 160+60.61 TO STA 161+96.31 (LEFT)  
STA 205+86.98 TO STA 207+02.96 (LEFT)  
STA 208+75.00 TO STA 211+67.67 (LEFT)  
STA 226+96.05 TO STA 228+20.00 (LEFT)  
STA 230+11.00 TO STA 231+46.71 (LEFT)

STA. 121+00.00 TO STA. 121+86.21 (LEFT)  
STA. 144+08.53 TO STA. 149+17.01 (RIGHT)  
STA. 154+54.79 TO STA. 160+60.08 (RIGHT)  
STATION EQUATION: STA. 160+60.08 BACK = STA. 160+60.61 AHEAD  
STA. 160+60.61 TO STA. 161+96.31 (RIGHT)  
STA. 205+86.98 TO STA. 211+67.67 (RIGHT)  
STA. 226+96.05 TO STA. 231+46.71 (RIGHT)  
STA. 286+00.00 TO STA. 292+75.22 (LEFT)  
STA. 304+32.51 TO STA. 322+78.42 (RIGHT)  
STA. 326+05.35 TO STA. 338+84.42 (LEFT)

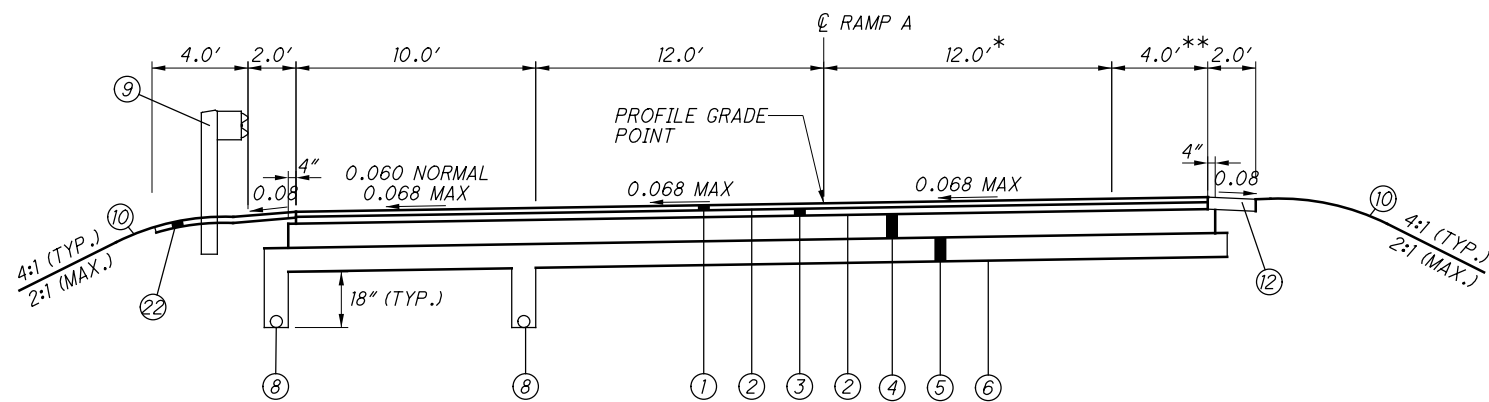
++ FLATTEN GUTTER CROSS SLOPE TO 0.016 WHERE INDICATED ON THE PLANS TO MATCH EXISTING PAVEMENT

+ - SEE DETAIL ON SHEET 18 FOR LOCATIONS



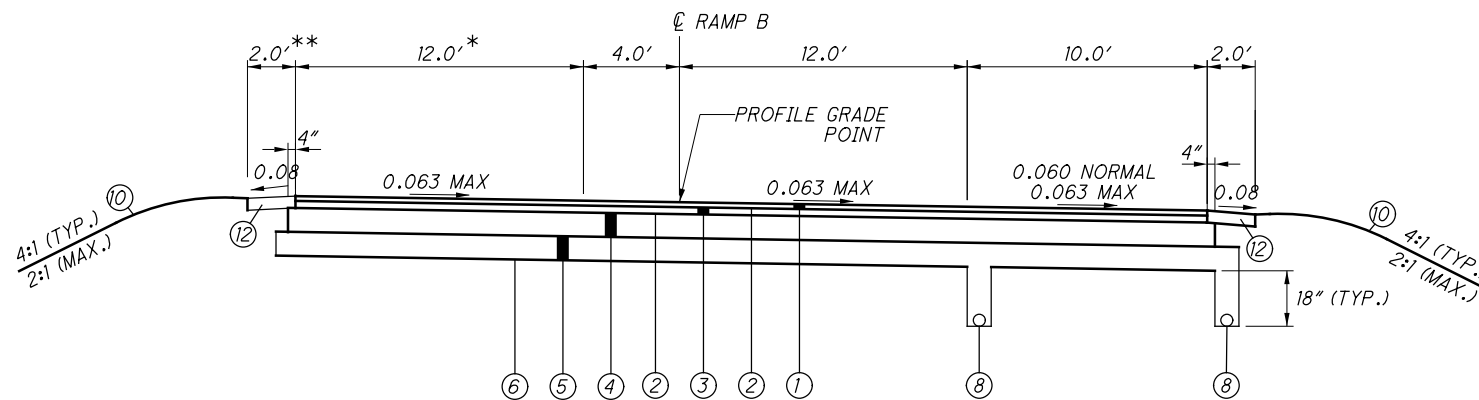
**3 U.S. 20 - 4-LANE SUPERELEVATED CURB SECTION  
SUPERELEVATED RIGHT SHOWN,  
SUPERELEVATED LEFT SYMMETRICAL ABOUT THE CENTERLINE**

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**U.S. 20 - SUPERELEVATED RAMP A SECTION**  
STA. 887+00.00 TO STA. 892+68.31

\* VARIES 12.0' TO 0.0' STA. 889+77.20 TO STA. 892+68.31  
\*\* VARIES 11.05 TO 0.0' STA. 888+12.00 TO STA. 889+78.17



**U.S. 20 - SUPERELEVATED RAMP B SECTION**  
STA. 891+00.00 TO STA. 894+72.93

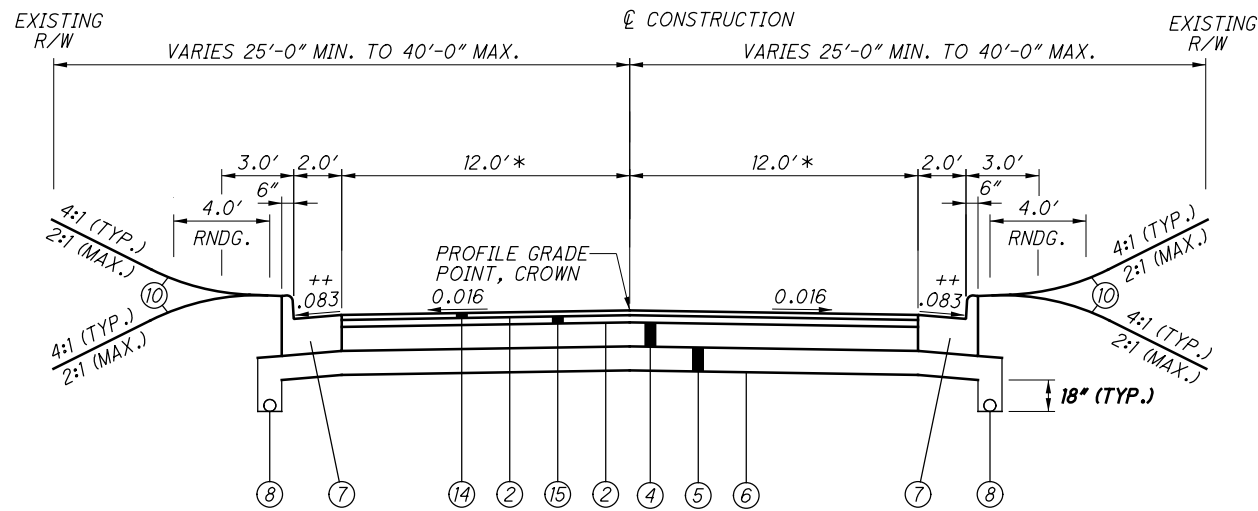
\* VARIES 18.57' TO 0.0' STA. 892+36.39 TO STA. 893+51.80  
\*\* STA. 891+00.00 TO STA. 892+36.39

**LEGEND**

- |   |   |
|---|---|
| ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M    | ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE   |
| ② ITEM 407 - NON-TRACKING TACK COAT   | ⑬ ITEM 608 - 4" CONCRETE WALK   |
| ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28 | ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22                         |
| ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22                                 | ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)                             |
| ⑤ ITEM 304 - 6" AGGREGATE BASE  | ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)   |
| ⑥ ITEM 204 - SUBGRADE COMPACTION  | ⑰ ITEM 609 - CURB, TYPE 3A  |
| ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2  | ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P                                       |
| ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC  | ⑲ ITEM 609 - CONCRETE MEDIAN  |
| ⑨ ITEM 606 - GUARDRAIL, TYPE MGS  | ⑳ ITEM 609 - CURB, TYPE 6   |
| ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1  | ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN                                       |
| ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE  | ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN |

NOTE: ROADWAY TYPICAL SECTIONS INDICATE THE FINAL CONDITION OF 1.5 INCHES ASPHALT SURFACE COURSE PLACED UPON AN INTERMEDIATE COURSE. DURING MOT PHASES 1, 2, 3, 4, 5 AND 6, 3.25 INCHES OF ASPHALT INTERMEDIATE COURSE WILL TEMPORARILY BE PLACED. DURING MOT PHASE 7, 1.5 INCHES OF THE INTERMEDIATE COURSE WILL BE MILLED AND 1.5 INCHES OF ASPHALT SURFACE COURSE WILL BE PLACED. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS.

NOTE: ROADWAY TYPICAL SECTIONS INDICATE THE FINAL CONDITION OF 1.5 INCHES ASPHALT SURFACE COURSE PLACED UPON AN INTERMEDIATE COURSE. DURING MOT PHASES 1, 2, 3, 4, 5 AND 6, 3.25 INCHES OF ASPHALT INTERMEDIATE COURSE WILL TEMPORARILY BE PLACED. DURING MOT PHASE 7, 1.5 INCHES OF THE INTERMEDIATE COURSE WILL BE MILLED AND 1.5 INCHES OF ASPHALT SURFACE COURSE WILL BE PLACED. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS.



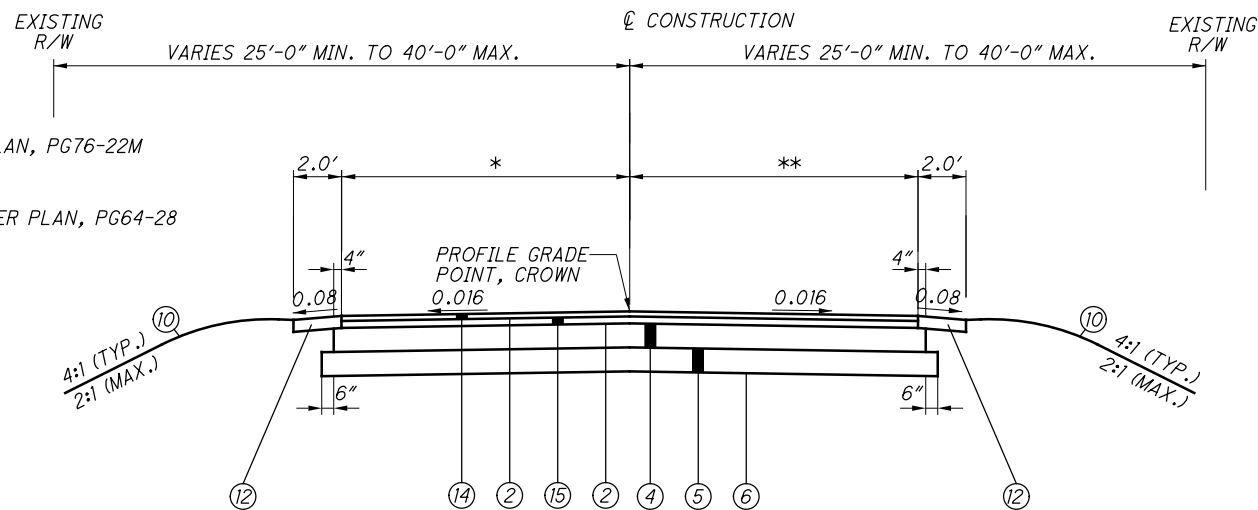
**NARROWS ROAD**  
 STA. 0+00.00 TO STA. 1+25.86  
**BLACKMORE ROAD**  
 STA. 10+00.00 TO STA. 11+00.00 LT & STA. 10+00.00 TO STA. 10+98.87 RT  
**PERRY PARK ROAD**  
 STA. 10+00.00 TO STA. 10+44.01 LT & STA. 10+00.00 TO STA. 10+95.88 RT  
**CALL ROAD**  
 STA. 9+25.42 TO STA. 10+00.00 LT & STA. 9+38.39 TO STA. 10+00 RT  
**OHIO STREET**  
 STA. 8+98.40 TO STA. 10+00.00 LT & STA. 9+50.73 TO STA. 10+00 RT

**NARROWS RD.**  
 \* 13' LT & 14' RT  
**BLACKMORE RD.**  
 \* 12' LT & 12.10' RT  
**OHIO ST.**  
 \* 12.57' LT & 12' RT

++ FLATTEN GUTTER CROSS SLOPE TO 0.016 WHERE INDICATED ON THE PLANS TO MATCH EXISTING PAVEMENT

**LEGEND**

- ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M
- ② ITEM 407 - NON-TRACKING TACK COAT
- ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28
- ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22
- ⑤ ITEM 304 - 6" AGGREGATE BASE
- ⑥ ITEM 204 - SUBGRADE COMPACTION
- ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑨ ITEM 606 - GUARDRAIL, TYPE MGS
- ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1
- ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE
- ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE
- ⑬ ITEM 608 - 4" CONCRETE WALK
- ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- ⑰ ITEM 609 - CURB, TYPE 3A
- ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC IP
- ⑲ ITEM 609 - CONCRETE MEDIAN
- ⑳ ITEM 609 - CURB, TYPE 6
- ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
- ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN



**BLACKMORE ROAD**  
 STA. 11+00.00 TO STA. 11+25.00 LT & STA. 10+98.87 TO STA. 11+25.00 RT  
**PERRY PARK ROAD**  
 STA. 10+44.01 TO STA. 11+75.00 LT & STA. 10+95.88 TO STA. 11+75.00 RT  
**CALL ROAD**  
 STA. 8+25.00 TO STA. 9+25.42 LT & STA. 8+25.00 TO STA. 9+38.39 RT  
**BLASE NEMETH ROAD**  
 STA. 102+50.00 TO STA. 102+92.97 LT & STA. 102+50.00 TO STA. 103+47.56 RT  
**OHIO STREET**  
 STA. 8+75.00 TO STA. 8+98.40 LT & STA. 8+75.00 TO STA. 9+50.73 RT

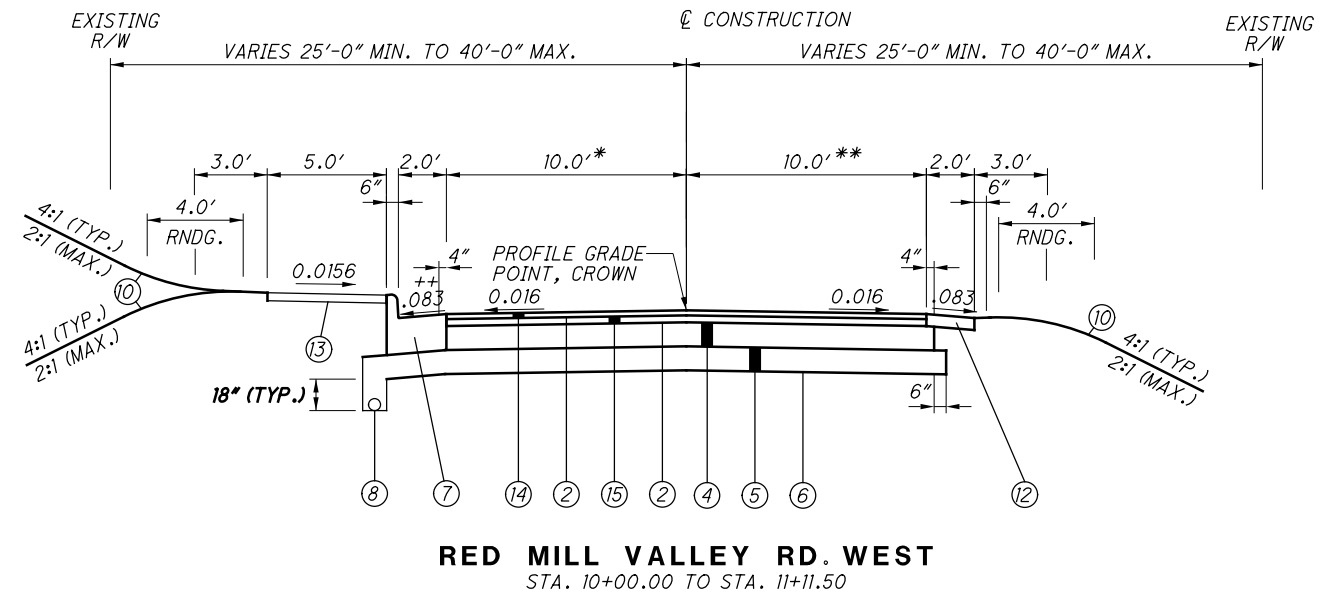
**BLACKMORE RD.**  
 \* VARIES 12' TO 10.62'  
 STA. 11+00.00 TO 11+25.00  
 \*\* VARIES 12.10' TO 9.37'  
 STA. 10+98.87 TO 11+25.00  
**PERRY PARK RD.**  
 \* VARIES 12' TO 8.7'  
 STA. 11+00.00 TO 11+75.00  
 \*\* VARIES 12' TO 9.9'  
 STA. 11+00.00 TO 11+75.00  
**CALL RD.**  
 \* VARIES 10.23' TO 12'  
 STA. 8+25.00 TO 9+00.00  
 \*\* VARIES 11.24' TO 12'  
 STA. 8+25.00 TO 9+00.00  
**BLASE NEMETH ROAD.**  
 \* VARIES 16' TO 44.11'  
 STA. 102+50.00 TO 103+47.56  
 \*\* VARIES 10' TO 12.13'  
 STA. 102+50.00 TO 102+55.12  
**OHIO ST.**  
 \* VARIES 8.80' TO 12.57'  
 STA. 8+75.00 TO 8+98.40  
 \*\* VARIES 11.5' TO 12'  
 STA. 8+75.00 TO 9+00.00

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TYPICAL SECTIONS

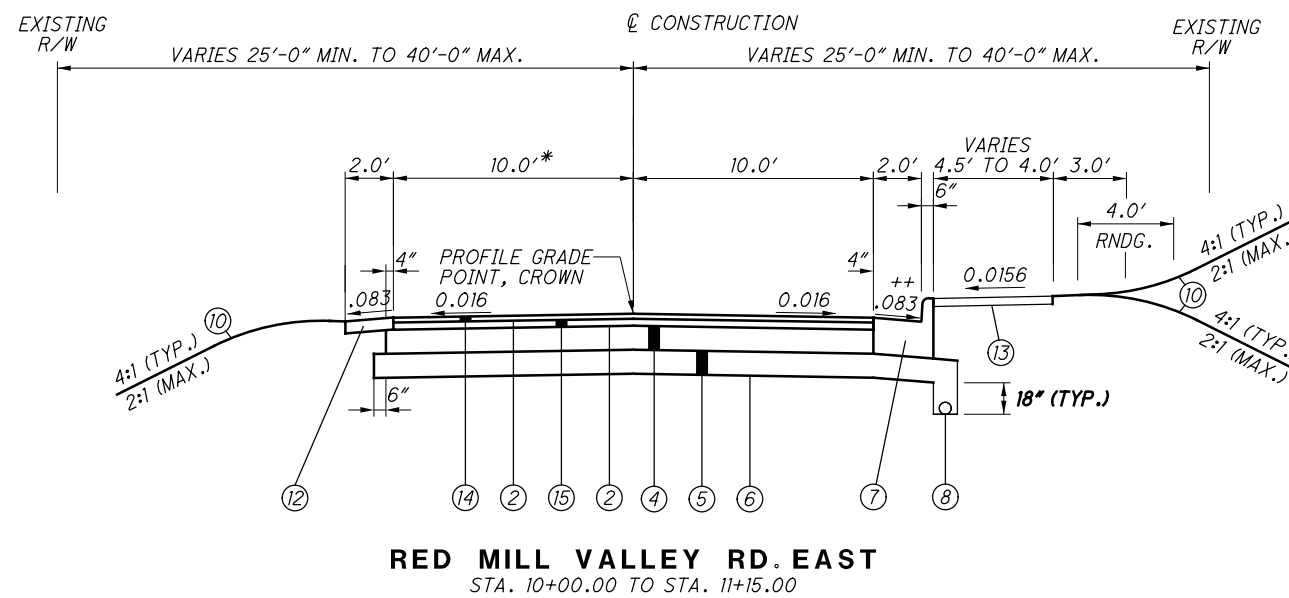
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PART 1

NOTE: ROADWAY TYPICAL SECTIONS INDICATE THE FINAL CONDITION OF 1.5 INCHES ASPHALT SURFACE COURSE PLACED UPON AN INTERMEDIATE COURSE. DURING MOT PHASES 1, 2, 3, 4, 5 AND 6, 3.25 INCHES OF ASPHALT INTERMEDIATE COURSE WILL TEMPORARILY BE PLACED. DURING MOT PHASE 7, 1.5 INCHES OF THE INTERMEDIATE COURSE WILL BE MILLED AND 1.5 INCHES OF ASPHALT SURFACE COURSE WILL BE PLACED. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS.



**RED MILL VALLEY RD. WEST**

\* VARIES 10' TO 9.06'  
STA. 10+90.75 TO 11+11.50  
\*\* VARIES 10' TO 9.06'  
STA. 10+90.75 TO 11+11.50



**RED MILL VALLEY RD. EAST**

\* VARIES 10' TO 8.5'  
STA. 10+90.00 TO STA. 11+15.00

**LEGEND**

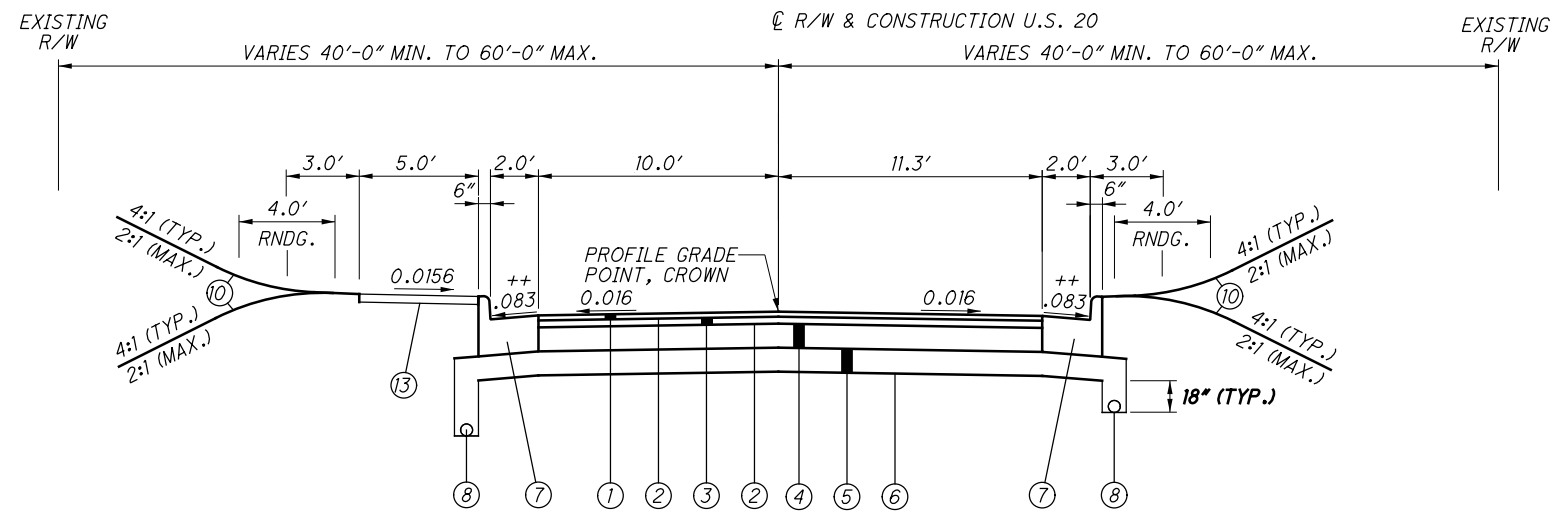
- ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M
- ② ITEM 407 - NON-TRACKING TACK COAT
- ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28
- ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22
- ⑤ ITEM 304 - 6" AGGREGATE BASE
- ⑥ ITEM 204 - SUBGRADE COMPACTION
- ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑨ ITEM 606 - GUARDRAIL, TYPE MGS
- ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1
- ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE

- ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE
- ⑬ ITEM 608 - 4" CONCRETE WALK
- ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- ⑰ ITEM 609 - CURB, TYPE 3A
- ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- ⑲ ITEM 609 - CONCRETE MEDIAN
- ⑳ ITEM 609 - CURB, TYPE 6
- ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
- ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN

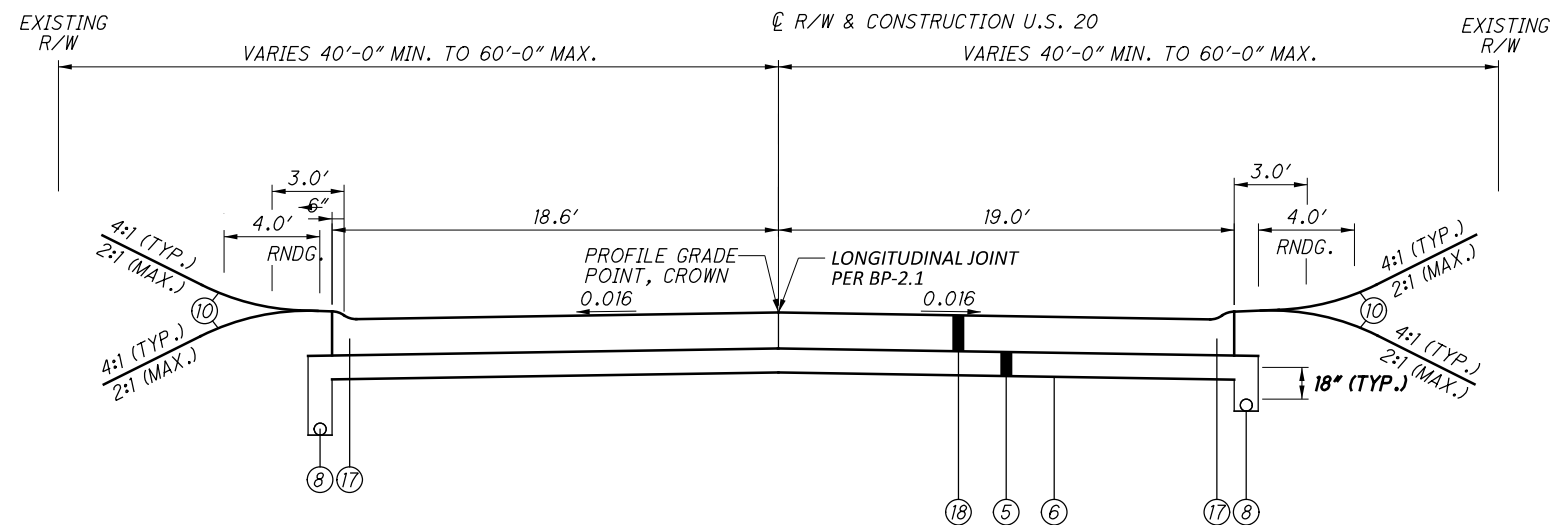
++ FLATTEN GUTTER CROSS SLOPE TO 0.016 WHERE INDICATED ON THE PLANS TO MATCH EXISTING PAVEMENT

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**PARMLY ROAD**  
STA. 10+00.00 TO STA. 11+00.00



**ANTIOCH ROAD**  
STA. 10+00.00 TO STA. 11+00.00

**LEGEND**

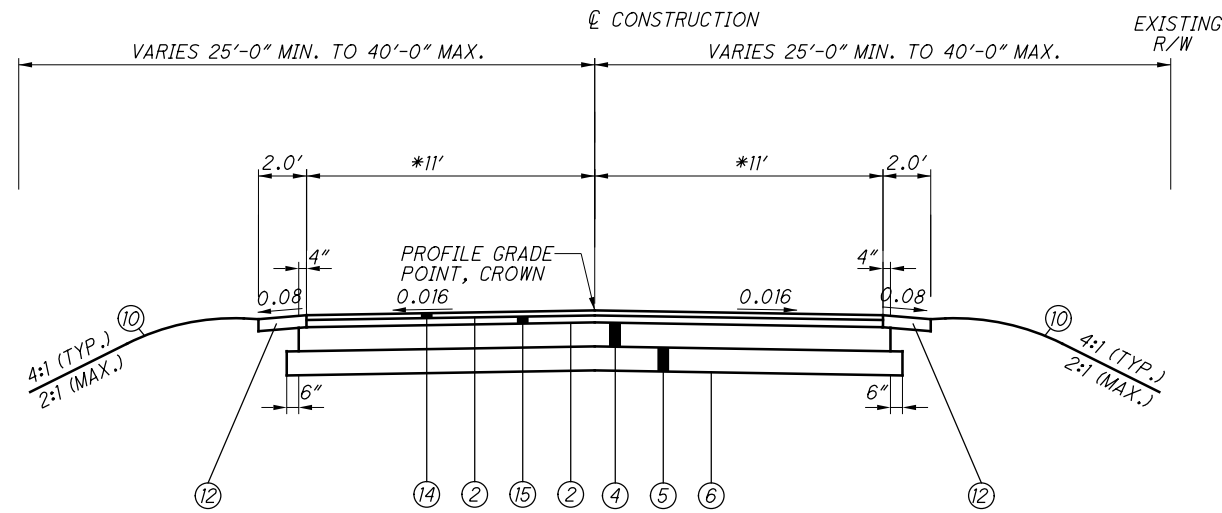
- ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M
- ② ITEM 407 - NON-TRACKING TACK COAT
- ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28
- ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22
- ⑤ ITEM 304 - 6" AGGREGATE BASE
- ⑥ ITEM 204 - SUBGRADE COMPACTION
- ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑨ ITEM 606 - GUARDRAIL, TYPE MGS
- ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1
- ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE
- ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE
- ⑬ ITEM 608 - 4" CONCRETE WALK
- ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- ⑰ ITEM 609 - CURB, TYPE 3A
- ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- ⑲ ITEM 609 - CONCRETE MEDIAN
- ⑳ ITEM 609 - CURB, TYPE 6
- ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
- ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN

NOTE: ROADWAY TYPICAL SECTIONS INDICATE THE FINAL CONDITION OF 1.5 INCHES ASPHALT SURFACE COURSE PLACED UPON AN INTERMEDIATE COURSE. DURING MOT PHASES 1, 2, 3, 4, 5 AND 6, 3.25 INCHES OF ASPHALT INTERMEDIATE COURSE WILL TEMPORARILY BE PLACED. DURING MOT PHASE 7, 1.5 INCHES OF THE INTERMEDIATE COURSE WILL BE MILLED AND 1.5 INCHES OF ASPHALT SURFACE COURSE WILL BE PLACED. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS.

++ FLATTEN GUTTER CROSS SLOPE TO 0.016 WHERE INDICATED ON THE PLANS TO MATCH EXISTING PAVEMENT

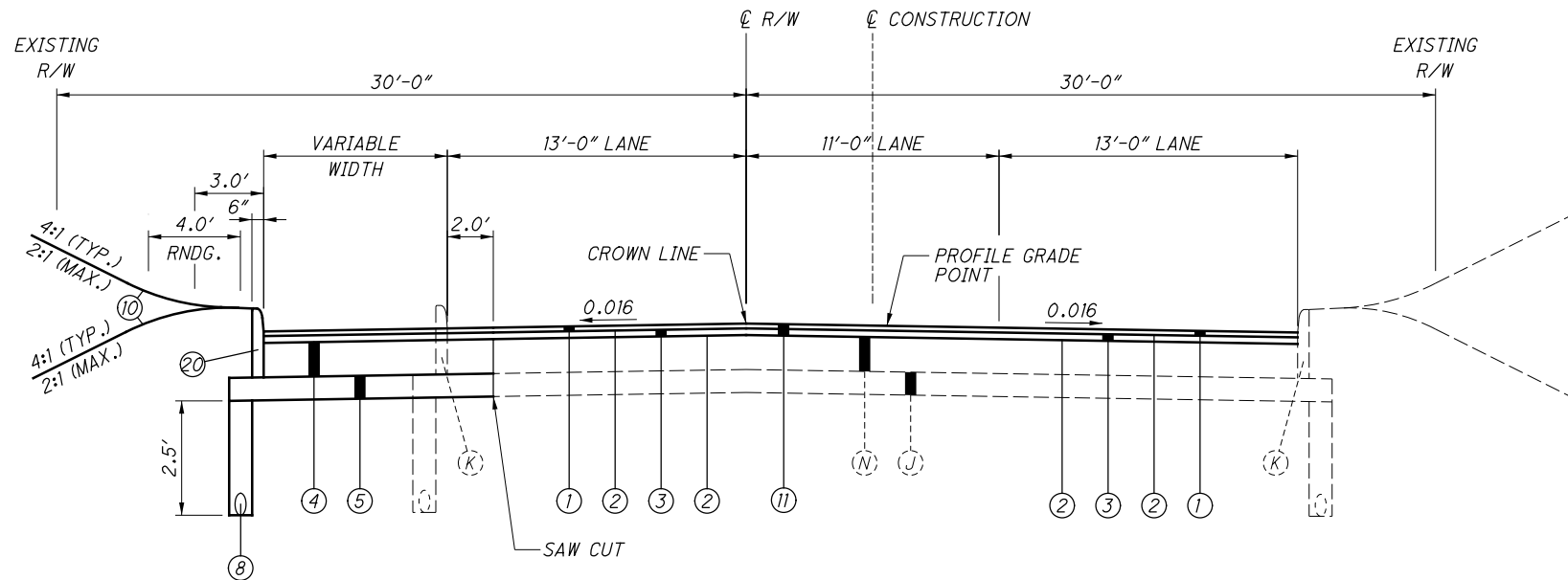


NOTE: ROADWAY TYPICAL SECTIONS INDICATE THE FINAL CONDITION OF 1.5 INCHES ASPHALT SURFACE COURSE PLACED UPON AN INTERMEDIATE COURSE. DURING MOT PHASES 1, 2, 3, 4, 5 AND 6, 3.25 INCHES OF ASPHALT INTERMEDIATE COURSE WILL TEMPORARILY BE PLACED. DURING MOT PHASE 7, 1.5 INCHES OF THE INTERMEDIATE COURSE WILL BE MILLED AND 1.5 INCHES OF ASPHALT SURFACE COURSE WILL BE PLACED. SEE MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS.



**MIDDLE RIDGE ROAD**  
STA. 11+24.00 TO STA. 13+50.00

\* VARIES IN CUL-DE-SAC, SEE INTERSECTION DETAIL FOR REFERENCE



**LANE ROAD WIDENING**  
STA. 18+15.09 TO STA. 20+54.63

\* VARIES 12.0' TO 0.0' STA 109+00.00 TO STA 109+25.89

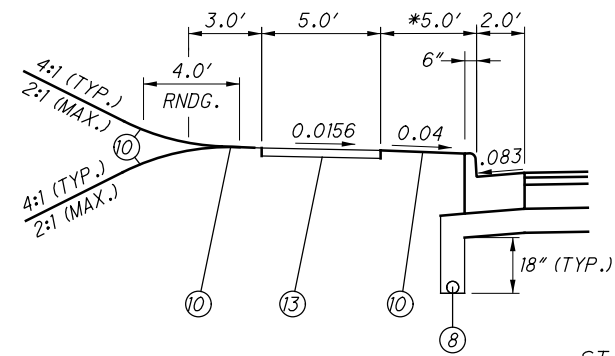
**LEGEND**

- ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M
- ② ITEM 407 - NON-TRACKING TACK COAT
- ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28
- ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22
- ⑤ ITEM 304 - 6" AGGREGATE BASE
- ⑥ ITEM 204 - SUBGRADE COMPACTION
- ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑨ ITEM 606 - GUARDRAIL, TYPE MGS
- ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1
- ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE
- ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE
- ⑬ ITEM 608 - 4" CONCRETE WALK
- ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- ⑰ ITEM 609 - CURB, TYPE 3A
- ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC IP
- ⑲ ITEM 609 - CONCRETE MEDIAN
- ⑳ ITEM 609 - CURB, TYPE 6
- ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
- ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN

**LEGEND**

- (A) 3"-5" ASPHALT
- (B) 6"-8" ASPHALT
- (C) 12" ASPHALT
- (D) 4" BRICK
- (E) 4"-6" CONCRETE
- (F) 7"-8" CONCRETE
- (G) 8" CONCRETE
- (H) 9" CONCRETE
- (I) 9" REINFORCED CONCRETE
- (J) AGGREGATE BASE
- (K) CONCRETE CURB
- (L) MEDIAN
- (M) SANDSTONE CURB
- (N) 9" ASPHALT

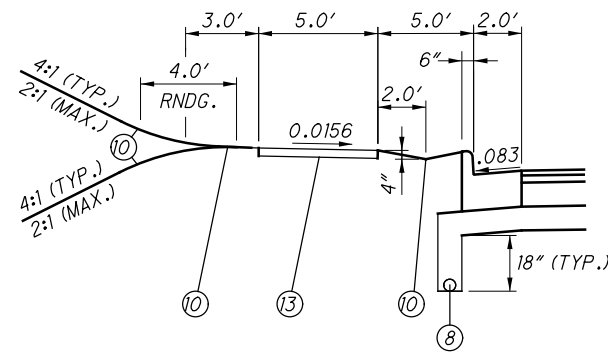
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**SIDEWALK SECTION**

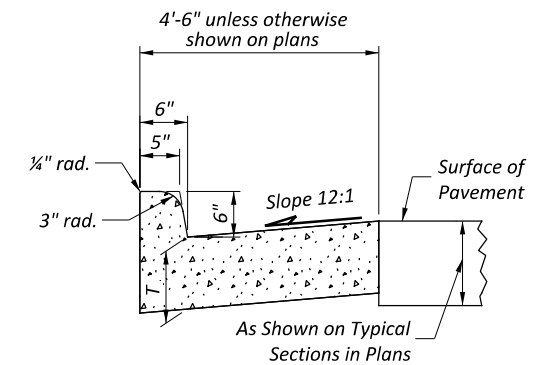
STA. 285+97.50 TO STA. 309+94.00 LT  
 STA. 327+16.00 TO STA. 403+04.35 LT

\* VARIES 5.0' TO 8.71  
 STA 400+32.31 TO STA 403+04.35



**SIDEWALK SECTION**

STA. 318+72.97 TO STA. 327+16.00 LT

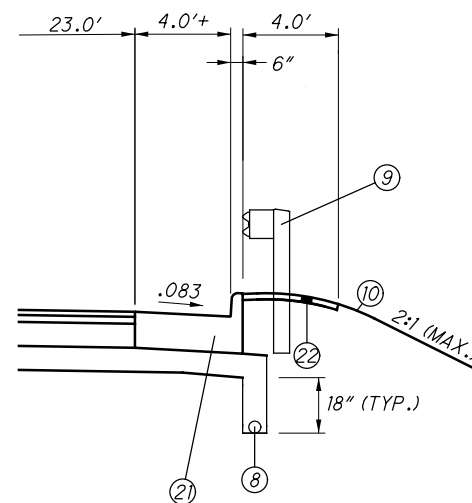


**ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN**

ADDITIONAL NOTES AND REQUIREMENTS OF BP-5.1 SHALL APPLY

**LEGEND**

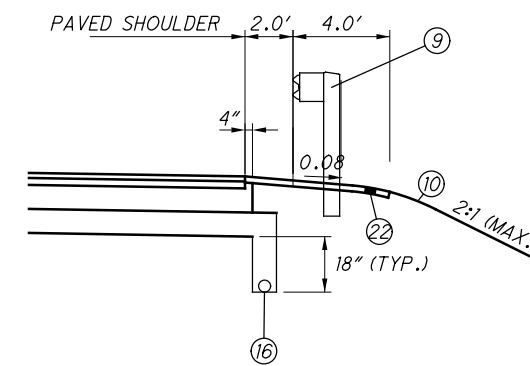
- ① ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M
- ② ITEM 407 - NON-TRACKING TACK COAT
- ③ ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28
- ④ ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22
- ⑤ ITEM 304 - 6" AGGREGATE BASE
- ⑥ ITEM 204 - SUBGRADE COMPACTION
- ⑦ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑧ ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- ⑨ ITEM 606 - GUARDRAIL, TYPE MGS
- ⑩ ITEM 659 - SEEDING AND MULCHING, CLASS 1
- ⑪ ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE
- ⑫ ITEM 617 - 3 1/4" COMPACTED AGGREGATE
- ⑬ ITEM 608 - 4" CONCRETE WALK
- ⑭ ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ⑮ ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- ⑯ ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)
- ⑰ ITEM 609 - CURB, TYPE 3A
- ⑱ ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC IP
- ⑲ ITEM 609 - CONCRETE MEDIAN
- ⑳ ITEM 609 - CURB, TYPE 6
- ㉑ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
- ㉒ ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN



**GUARDRAIL WITH CURB**

STA 148+65.00 TO STA 151+90.00 LT  
 STA 157+14.80 TO STA 162+12.50 LT  
 STA 197+91.51 TO STA 200+61.00 RT  
 STA 250+75.00 TO STA 255+62.50 RT  
 STA 252+87.50 TO STA 254+87.43 LT  
 STA. 266+62.50 TO STA. 269+83.00  
 STA 300+07.00 TO STA 302+43.00 RT  
 STA 304+39.93 TO STA 306+50.00 RT  
 STA 310+45.98 TO STA 318+02.78 LT  
 STA 311+76.67 TO STA 318+94.20 RT  
 STA 323+00.00 TO STA 326+26.50 RT

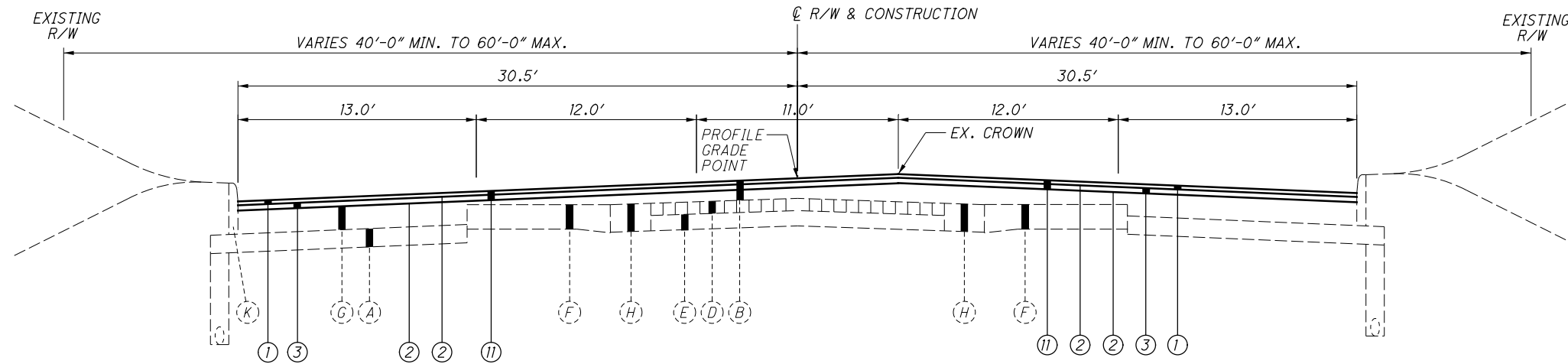
+ - WIDTH VARIES FROM 2.0' TO 4.0'  
 SEE PLAN SHEETS FOR LIMITS



**GUARDRAIL SECTION**

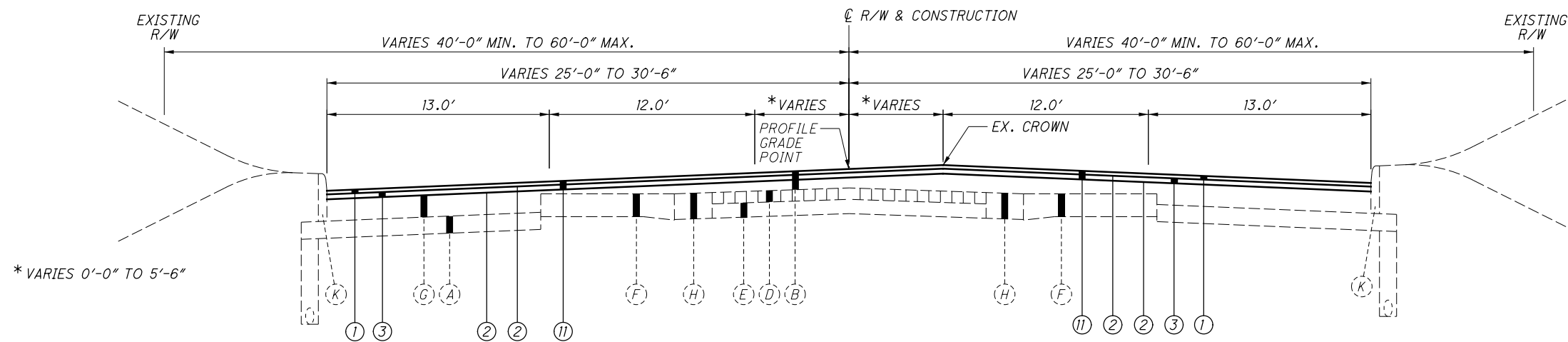
STA 100+83.40 TO STA 103+70.90 LT  
 STA 102+14.00 TO STA 107+14.00 RT  
 STA 113+88.10 TO STA 188+70.00 RT  
 STA 118+22.80 TO STA 119+29.30 LT

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**U.S. 20 - RESURFACING 5 LANE SECTION**

STA. 171+01.00 TO STA. 174+35.39  
 STA. 177+82.31 TO STA. 179+99.00  
 STA. 275+37.00 TO STA. 280+02.90  
 STATION EQUATION: STA. 280+02.90 BACK = STA. 280+04.93 AHEAD  
 STA. 280+04.93 TO STA. 283+27.00  
 STA. 402+85.00 TO STA. 405+82.64  
 STATION EQUATION: STA. 405+82.64 BACK = STA. 405+83.06 AHEAD  
 STA. 405+83.06 TO STA. 408+80.00



**U.S. 20 - RESURFACING 4 LANE TO 5 LANE SECTION**

STA. 168+10.00 TO STA. 171+01.00  
 STA. 179+99.00 TO STA. 182+20.00  
 STA. 273+30.00 TO STA. 275+37.00  
 STA. 283+27.00 TO STA. 286+00.00  
 STA. 399+90.00 TO STA. 402+85.00  
 STA. 408+80.00 TO STA. 411+20.00

**LEGEND**

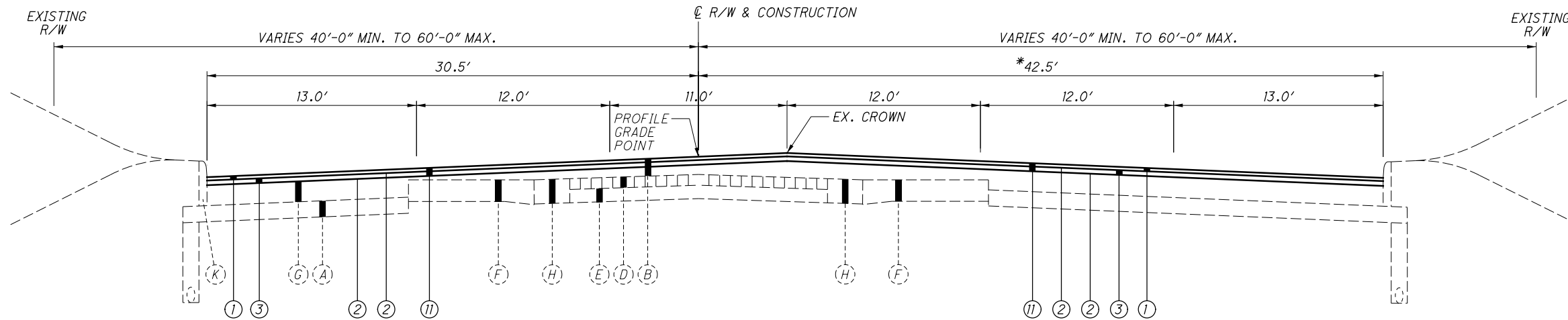
- |                    |                            |
|--------------------|----------------------------|
| (A) 3"-5" ASPHALT  | (H) 9" CONCRETE            |
| (B) 6"-8" ASPHALT  | (I) 9" REINFORCED CONCRETE |
| (C) 12" ASPHALT    | (J) AGGREGATE BASE         |
| (D) 4" BRICK       | (K) CONCRETE CURB          |
| (E) 4"-6" CONCRETE | (L) MEDIAN                 |
| (F) 7"-8" CONCRETE | (M) SANDSTONE CURB         |
| (G) 8" CONCRETE    | (N) 9" ASPHALT             |

- |   |
|---|
| (1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22 |
| (2) ITEM 442 - NON-TRACKING TACK COAT   |
| (3) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19.0mm, TYPE A, (446), AS PER PLAN    |
| (4) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22  |
| (5) ITEM 304 - 6" AGGREGATE BASE  |
| (6) ITEM 204 - SUBGRADE COMPACTION  |
| (7) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2  |
| (8) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS  |
| (9) ITEM 606 - GUARDRAIL, TYPE MGS  |
| (10) ITEM 659 - SEEDING AND MULCHING  |
| (11) ITEM 254 - 3 1/4" PAVEMENT PLANING   |

**LEGEND**

- |   |
|---|
| (12) ITEM 617 - 3 1/4" COMPACTED AGGREGATE  |
| (13) ITEM 608 - 4" CONCRETE WALK  |
| (14) ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22            |
| (15) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)                |
| (16) ITEM 605 - 6" BASE PIPE UNDERDRAIN   |
| (17) ITEM 609 - CURB, TYPE 3A   |
| (18) ITEM 452 - 9" NON-REINFORCED CONCRETE, CLASS QC 1P                                   |
| (19) ITEM 609 - CONCRETE MEDIAN   |
| (20) ITEM 609 - CURB, TYPE 6  |
| (21) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN                          |
| (22) ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), (UNDER GUARDRAIL) |

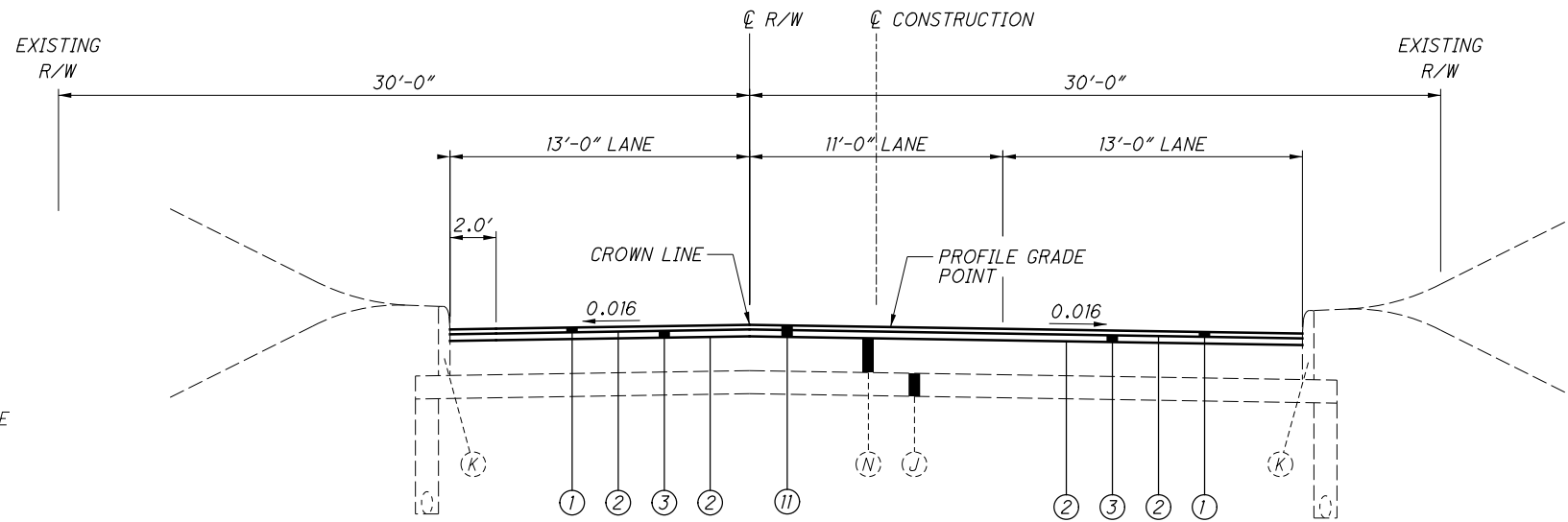
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**U.S. 20 - RESURFACING 6 LANE SECTION**

STA. 174+35.39 TO STA. 177+82.31

\* VARIES 30.50' TO 42.50'  
STA. 174+35.39 TO 174+87.13  
\* VARIES 42.50' TO 30.5'  
STA. 177+51.64 TO 177+82.31



**LANE ROAD RESURFACING**

STA. 17+50 TO STA. 20+54.63

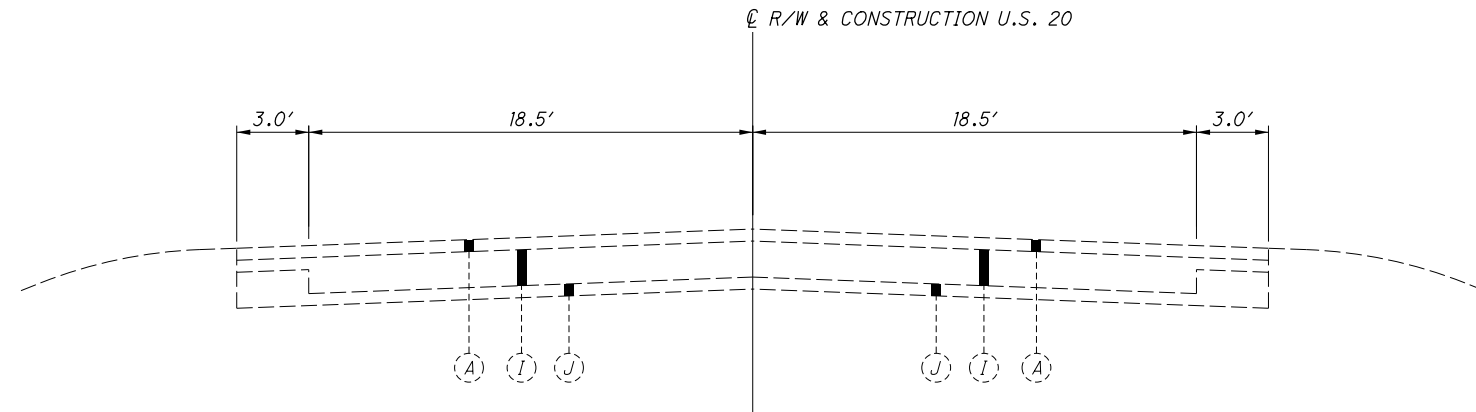
**LEGEND**

- |                    |                            |
|--------------------|----------------------------|
| (A) 3"-5" ASPHALT  | (H) 9" CONCRETE            |
| (B) 6"-8" ASPHALT  | (I) 9" REINFORCED CONCRETE |
| (C) 12" ASPHALT    | (J) AGGREGATE BASE         |
| (D) 4" BRICK       | (K) CONCRETE CURB          |
| (E) 4"-6" CONCRETE | (L) MEDIAN                 |
| (F) 7"-8" CONCRETE | (M) SANDSTONE CURB         |
| (G) 8" CONCRETE    | (N) 9" ASPHALT             |

**LEGEND**

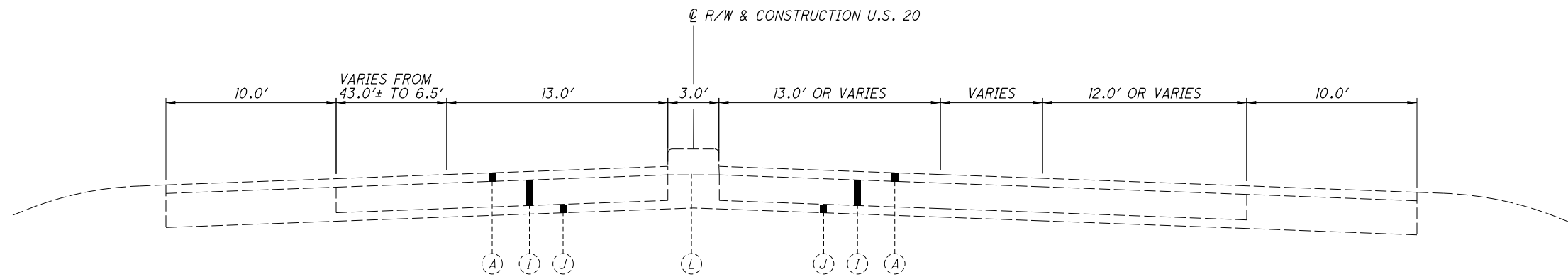
- |   |  |
|---|--|
| (1) ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A (446), AS PER PLAN, PG76-22M    | (12) ITEM 617 - 3 1/4" COMPACTED AGGREGATE   |
| (2) ITEM 407 - NON-TRACKING TACK COAT   | (13) ITEM 608 - 4" CONCRETE WALK   |
| (3) ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28 | (14) ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22                         |
| (4) ITEM 301 - 6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22                                 | (15) ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)                             |
| (5) ITEM 304 - 6" AGGREGATE BASE  | (16) ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449)   |
| (6) ITEM 204 - SUBGRADE COMPACTION  | (17) ITEM 609 - CURB, TYPE 3A  |
| (7) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2  | (18) ITEM 452 - 9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P                                       |
| (8) ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC  | (19) ITEM 609 - CONCRETE MEDIAN  |
| (9) ITEM 606 - GUARDRAIL, TYPE MGS  | (20) ITEM 609 - CURB, TYPE 6   |
| (10) ITEM 659 - SEEDING AND MULCHING, CLASS 1   | (21) ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN                                       |
| (11) ITEM 254 - 3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE   | (22) ITEM 441 - 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN |

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**VARIABLE SECTION  
U.S. 20 - EXISTING MEDIAN SECTION**

STA. 101+75.00 TO STA. 109+48.50



**VARIABLE SECTION  
U.S. 20 - EXISTING MEDIAN SECTION**

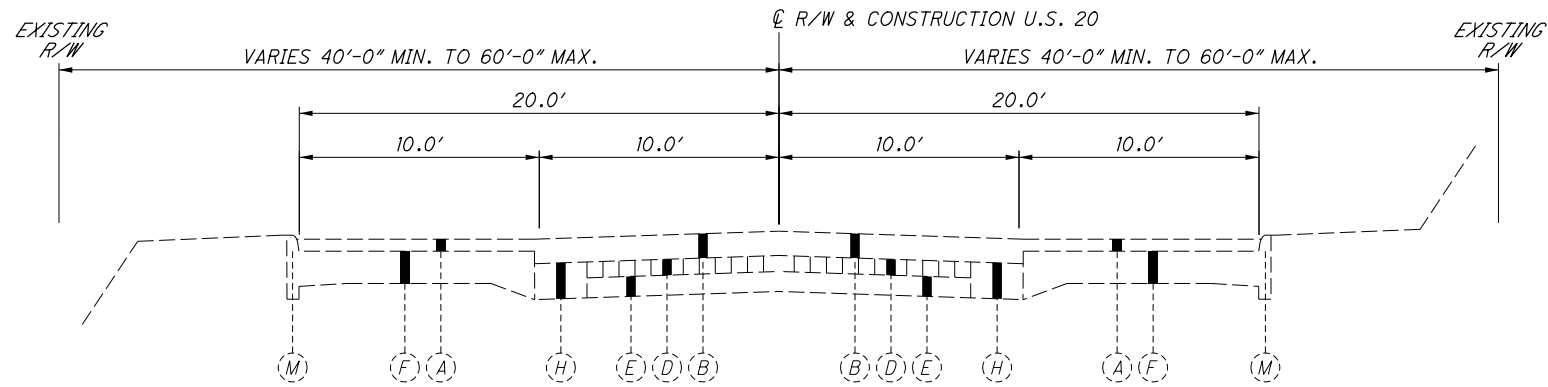
STA. 109+48.50 TO STA. 118+88.38

**LEGEND**

- |                    |                            |
|--------------------|----------------------------|
| (A) 3"-5" ASPHALT  | (H) 9" CONCRETE            |
| (B) 6"-8" ASPHALT  | (I) 9" REINFORCED CONCRETE |
| (C) 12" ASPHALT    | (J) AGGREGATE BASE         |
| (D) 4" BRICK       | (K) CONCRETE CURB          |
| (E) 4"-6" CONCRETE | (L) MEDIAN                 |
| (F) 7"-8" CONCRETE | (M) SANDSTONE CURB         |
| (G) 8" CONCRETE    | (N) 9" ASPHALT             |

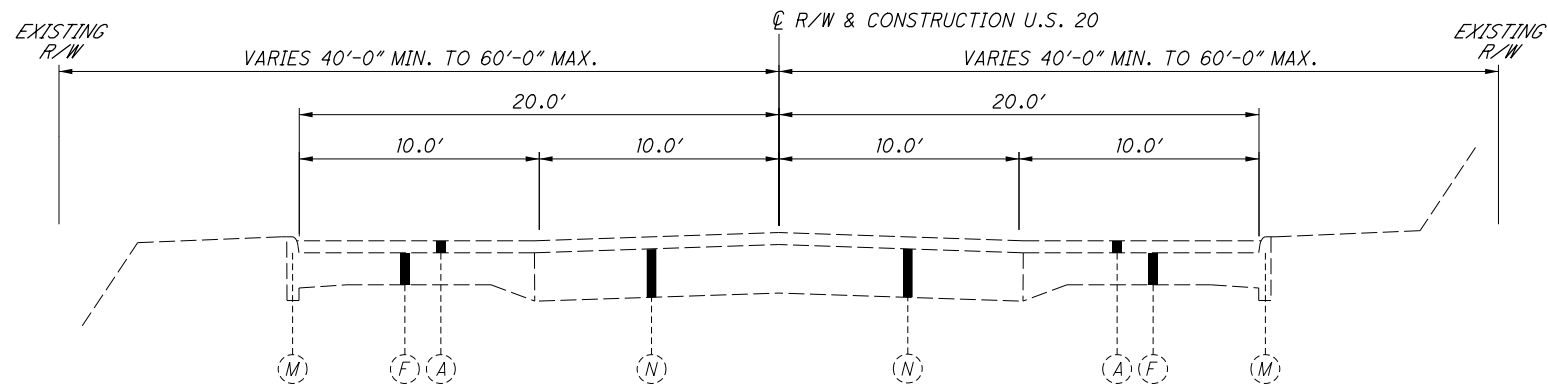


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**U.S. 20 - EXISTING 4 LANE SECTION**

STA. 118+88.38 TO STA. 168+10.00  
 STA. 182+20.00 TO STA. 273+30.00  
 STA. 345+00 TO STA. 399+90.00



**U.S. 20 - EXISTING 4 LANE SECTION**

STA. 286+00.00 TO STA. 345+00.00

**LEGEND**

- |                    |                            |
|--------------------|----------------------------|
| (A) 3"-5" ASPHALT  | (H) 9" CONCRETE            |
| (B) 6"-8" ASPHALT  | (I) 9" REINFORCED CONCRETE |
| (C) 12" ASPHALT    | (J) AGGREGATE BASE         |
| (D) 4" BRICK       | (K) CONCRETE CURB          |
| (E) 4"-6" CONCRETE | (L) MEDIAN                 |
| (F) 7"-8" CONCRETE | (M) SANDSTONE CURB         |
| (G) 8" CONCRETE    | (N) 9" ASPHALT             |

**GENERAL**

**ROUNDING**

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

**GAS**  
DOMINION ENERGY OHIO  
320 SPRINGSIDE DR. SUITE 320  
AKRON, OHIO 44333  
330-664-2409

**NORTHEAST OHIO NATURAL GAS CORP.**  
8470 STATION STREET  
MENTOR, OHIO 44060  
TIM REILLY: 440-701-5100

**ELECTRIC**  
THE ILLUMINATING COMPANY  
6896 MILLER RD.  
BRECKSVILLE, OHIO 44141  
JOHN M ZASSICK: 440-596-8706

**WATER & SANITARY**  
LAKE COUNTY DEPARTMENT OF UTILITIES  
105 MAIN STREET  
PAINESVILLE, OHIO 44077  
SARAH CEROVSKI: 440-350-2652

**STORM**  
OHIO DEPARTMENT OF TRANSPORTATION  
5500 TRANSPORTATION BLVD.  
GARFIELD HEIGHTS, OHIO 94125  
216-581-2100

**COMMUNICATIONS**  
AT&T  
13630 LORAIN AVE. 2ND FLOOR  
CLEVELAND, OHIO 99111  
JAMES JANIS: 216-476-6142

**CHARTER COMMUNICATIONS (SPECTRUM)**  
7820 DIVISION DRIVE  
MENTOR, OHIO 44060  
MATT HANNAH: 216-575-8016  
EXT. 2165551105

**WINDSTREAM**  
245 N. MAIN STREET  
HUDSON, OHIO 44236  
JEFF GULYAS: 216-385-1669

**ZAYO**  
4199 KINROSS LAKES PARKWAY, SUITE 10  
RICHFIELD, OH 44286  
DAVE GALUSKA: 234-281-0025

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

**EXISTING PLANS**

EXISTING PLANS ENTITLED LAK-2-16.49, LAK-20-18.72 AND CLEVELAND BUFFALO ROAD MAY BE INSPECTED IN THE ODOT DISTRICT 12 OFFICE IN GARFIELD HEIGHTS, OHIO.

**CONSTRUCTION NOISE**

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9 PM AND 7 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

**ITEM 204 - PROOF ROLLING**

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING 60 HOUR.

**SURVEYING PARAMETERS**

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEETS 1038-1050 OF THE PLANS FOR TABLES CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

**PROJECT CONTROL**

POSITIONING METHOD: ODOT VRS  
MONUMENT TYPE: TYPE B

**VERTICAL POSITIONING**

ORTHOMETRIC HEIGHT DATUM: NAVD88  
GEOID: 2012B

**HORIZONTAL POSITIONING**

REFERENCE FRAME: NAD83 (COORS2011)  
ELLIPSOID: GRS80  
MAP PROJECTION: LAMBERT CONFORMAL CONIC  
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE  
COMBINED SCALE FACTOR: 1.000000885  
ORIGIN OF COORDINATES SYSTEM: 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**CLEARING AND GRUBBING**

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"		77	77
30"		9	9
48"	1		1
60"			

**BENCHING OF FOUNDATION SLOPES**

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN 203.05. NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF 203.05.

**MONUMENT ASSEMBLIES**

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NOS. 1009 - 1021.

**DURATION OF WORK IN TEMPORARY RIGHT OF WAY**

WORK IN THE TEMPORARY RIGHT OF WAY SHALL BE LIMITED TO A MAXIMUM DURATION OF 45 CALENDAR DAYS AT THE FOLLOWING PARCELS:

- PARCEL 1 - 2495 NORTH RIDGE
- PARCEL 23 - 2709 NORTH RIDGE
- PARCEL 63 - 3292 NORTH RIDGE
- PARCEL 98 - 3850 NORTH RIDGE
- PARCEL 161 - 4683 ANTIOCH
- PARCEL 177 - 4843 NORTH RIDGE

**ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING**

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.

2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE.

UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO 204.05.

IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

3. COMPACT THE SUBGRADE ACCORDING TO 204.03.

4. APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE AND APPROXIMATE STATION LIMITS ARE AS FOLLOWS:

- STA 120+75 TO STA 123+10, 12" DEPTH
- STA 149+50 TO STA 150+00, 24" DEPTH
- STA 154+00 TO STA 164+50, 24" DEPTH
- STA 166+00 TO STA 168+10, 12" DEPTH
- STA 256+25 TO STA 264+75, 18" DEPTH
- STA 380+00 TO STA 384+00, 36" DEPTH

THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.

PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO 204.06.

5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.

6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO 204.06 TO VERIFY STABILITY.

7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204 EXCAVATION OF SUBGRADE.

THE FOLLOWING QUANTITIES FOR THE REMEDIATION OF UNSTABLE SUBGRADE HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 204 - EXCAVATION OF SUBGRADE	10,050	CY
ITEM 204 - GRANULAR MATERIAL, TYPE B	10,050	CY
ITEM 204 - GEOTEXTILE FABRIC	18,100	SY
ITEM 204 - GEOGRID	18,100	SY

**ITEM SPECIAL - PRECONSTRUCTION VIDEO DOCUMENTATION**

THIS WORK SHALL CONSIST OF FURNISHING THE DEPARTMENT A COMPLETE DIGITAL COLOR AUDIO-VIDEO RECORD OF THE SURFACE FEATURES WITHIN AND IMMEDIATELY ADJACENT (WITHIN 50 FEET) TO THE PROPOSED PROJECT AREA AS SHOWN IN THE CONTRACT DRAWINGS. THIS RECORD SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL AUDIO-VIDEO USB THUMB DRIVES, VIDEO LOGS, AND INDEXES. THE PURPOSE OF THIS COVERAGE SHALL BE TO ACCURATELY DOCUMENT THE PRECONSTRUCTION CONDITION OF THESE SURFACE FEATURES.

THE AUDIO-VIDEO DOCUMENTATION SHALL BE PERFORMED BY A RESPONSIBLE COMMERCIAL FIRM KNOWN TO BE SKILLED AND REGULARLY ENGAGED IN THE BUSINESS OF PRECONSTRUCTION DIGITAL COLOR AUDIO-VIDEO DOCUMENTATION. THE FIRM SHALL FURNISH SUCH INFORMATION AS THE DEPARTMENT DEEMS NECESSARY TO DETERMINE THE ABILITY OF THAT FIRM TO PERFORM THE WORK IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.

AUDIO-VIDEO DOCUMENTATION SHALL NOT BE MADE MORE THAN 60 DAYS PRIOR TO CONSTRUCTION IN EACH PHASE OF WORK.

THE AUDIO-VIDEO SYSTEM AND THE PROCEDURES EMPLOYED IN ITS USE SHALL BE SUCH AS TO PRODUCE A FINISHED PRODUCT THAT WILL MEET PROFESSIONAL STANDARDS. THE VIDEO PORTION OF THE RECORDING SHALL BE BRIGHT, SHARP, CLEAR PICTURES WITH ACCURATE COLORS AND SHALL BE FREE FROM DISTORTION OR ANY OTHER FORM OF PICTURE IMPERFECTION. ALL VIDEO RECORDINGS SHALL BY ELECTRONIC MEANS DISPLAY ON THE SCREEN THE TIME OF DAY, THE MONTH, DAY AND YEAR OF THE RECORDING. THE TIME AND DATE INFORMATION MUST BE CONTINUOUSLY AND SIMULTANEOUSLY GENERATED WITH THE ACTUAL RECORDING. THE AUDIO PORTION OF THE RECORDING SHALL BE PERFORMED BY THE CAMERA OPERATOR DURING THE RECORDING PROCESS AND SHALL BE OF HIGH CLARITY AND FREE FROM DISTORTION.

THE RECORDINGS SHALL CONTAIN COVERAGE OF ALL VISIBLE FEATURES WITHIN THE CONSTRUCTION ZONE BEING AFFECTED BY THE WORK. THESE FEATURES SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL ROADWAYS, PAVEMENT, RETENTION PONDS, RAILROAD TRACKS, CURBS, DRIVEWAYS, SIDEWALKS, CULVERTS, HEAD-WALLS, RETAINING WALLS, LANDSCAPING, TREES, FENCES, DRAINAGE DITCHES, CREEKS, STREAMS, VISIBLE UTILITIES, STRUCTURES, AND BUILDINGS. OF PARTICULAR CONCERN SHALL BE THE CONDITION OF EXISTING VEGETATION, TERRAIN, AND STRUCTURES AND THE EXISTENCE OR NON-EXISTENCE OF ANY FAULTS, FRACTURES OR DEFECTS. PANNING, ZOOM-IN AND ZOOM OUT RATES SHALL BE SUFFICIENTLY CONTROLLED.

WRITTEN DOCUMENTATION MUST COINCIDE WITH THE INFORMATION ON THE AUDIO-VIDEO SO AS TO MAKE EASY RETRIEVAL OF LOCATIONS SOUGHT FOR AT A LATER DATE.

TWO COPIES OF THE DIGITAL COLOR AUDIO-VIDEO RECORDING SHALL BE DELIVERED TO THE DEPARTMENT ON USB THUMB DRIVES.

THE DEPARTMENT WILL MAKE PARTIAL PAYMENTS ACCORDING TO 109.09, PRORATED BY THE LENGTH OF THE WORK PHASE. VIDEO DOCUMENTATION WILL BE PAID FOR AT THE CONTRACT PRICE FOR:

ITEM SPECIAL - PRECONSTRUCTION VIDEO DOCUMENTATION, LUMP SUM

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GENERAL NOTES

LAK-US-20-19.59  
PART 1

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**ROADWAY**

**CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL**

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

WHERE MGS GUARDRAIL CONNECTS TO EXISTING TYPE 5 GUARDRAIL, A LENGTH OF 25' OF GUARDRAIL REBUILT HAS BEEN PROVIDED TO MAKE THE HEIGHT TRANSITION BETWEEN THE DISSIMILAR GUARDRAIL TYPES.

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**PAVING UNDER GUARDRAIL**

THIS OPERATION SHALL INCLUDE PREPARATION OF THE GRADED SHOULDER USING ITEM 209, LINEAR GRADING, AS PER PLAN AND PAVING UNDER THE GUARDRAIL USING 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), UNDER GUARDRAIL, AS PER PLAN.

ITEM 209, LINEAR GRADING, AS PER PLAN SHALL CONSIST OF EXCAVATING TOPSOIL, AND PLACING GRANULAR MATERIAL.

ALL COLLECTED DEBRIS AND TOPSOIL, INCLUDING RHIZOMES, ROOTS AND OTHER VEGETATIVE PLANT MATERIAL SHALL BE REMOVED AND DISPOSED OF AS SPECIFIED IN 105.17.

THE REMOVED MATERIAL SHALL BE REPLACED WITH COMPACTABLE GRANULAR MATERIAL CONFORMING TO 703.16 PLACED TO GRADE AS DETAILED ON THE TYPICAL SECTION OR AS APPROVED BY THE ENGINEER.

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 209, LINEAR GRADING, AS PER PLAN.

PAVING UNDER GUARDRAIL SHALL CONSIST OF PLACING ITEM 441 TO THE DEPTH SPECIFIED USING ONE OF THE FOLLOWING METHODS:

**METHOD A:**

- 1. SET GUARDRAIL POSTS
- 2. PLACE ITEM 441

**METHOD B:**

- 1. PLACE ITEM 441
- 2. BORE ASPHALT AT POST LOCATIONS (MAY BE OMITTED IF STEEL POSTS ARE USED)
- 3. SET GUARDRAIL POSTS
- 4. PATCH AROUND POSTS. THE MATERIALS USED FOR PATCHING SHALL BE AN ASPHALT CONCRETE APPROVED BY THE ENGINEER. PATCHED AREAS SHALL BE COMPACTED USING EITHER HAND OR MECHANICAL METHODS. FINISHED SURFACES SHALL BE SMOOTH AND SLOPED TO DRAIN AWAY FROM THE POSTS.

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE, WITH THE EXCEPTION OF SETTING GUARDRAIL POSTS, SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 441, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 1, (449), UNDER GUARDRAIL, AS PER PLAN.

**ITEM 202 REMOVAL MISC.: LIGHT POLE**

REMOVE THE LUMINAIRE, SUPPORT, FOUNDATION AND ANY ASSOCIATED WIRING AS INDICATED FOR REMOVAL. REMOVE FOUNDATIONS TO A MINIMUM OF 1 FOOT BELOW THE PROPOSED GROUND SURFACE OR REMOVE ENTIRE FOUNDATION IF NECESSARY FOR THE COMPLETION OF OTHER WORK IN THE CONTRACT. BACKFILL THE CAVITY CREATED BY THE REMOVAL ITEM ACCORDING TO 202.02, EXCEPT WHEN THE CAVITY LIES WITHIN THE LIMITS OF SUBSEQUENT EXCAVATION OR OTHER WORK.

LIGHT POLES REMOVED WILL BE PAID FOR AT THE CONTRACT PRICE FOR:

ITEM 202 REMOVAL MISC.: LIGHT POLE, EACH

**EXISTING WEATHER STATION (STA 310+75. LT) REMOVAL COORDINATION AND FOUNDATION REMOVAL**

CONTACT HEATHER KRANNITZ (HEATHER.KRANNITZ@DOT.OHIO.GOV, TEL. 614-397-1882) 2 MONTHS PRIOR TO THE PAVEMENT WIDENING/EARTHWORK AT THIS LOCATION TO ENSURE THAT THE STATION CAN BE REMOVED.

AFTER THE WEATHER STATION HAS BEEN REMOVED BY OTHERS, REMOVE THE FOUNDATION TO A MINIMUM OF 1 FOOT BELOW THE PROPOSED GROUND SURFACE OR REMOVE ENTIRE FOUNDATION IF NECESSARY FOR THE COMPLETION OF OTHER WORK IN THE CONTRACT. BACKFILL THE CAVITY CREATED BY THE REMOVAL ITEM ACCORDING TO 202.02, EXCEPT WHEN THE CAVITY LIES WITHIN THE LIMITS OF SUBSEQUENT EXCAVATION OR OTHER WORK.

THE FOLLOWING QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY FOR REMOVAL OF THE FOUNDATION REMOVED AND ALL OF THE ABOVE WORK:

ITEM 202 REMOVAL MISC.: WEATHER STATION FOUNDATION, LUMP SUM

**ITEM SPECIAL - MAILBOX SUPPORT**

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, (SINGLE) (DOUBLE).

**ITEM 202 REMOVAL MISC.: BUSINESS SIGN**

REMOVE THE SIGN, SUPPORT, FOUNDATION AND ANY ASSOCIATED WIRING AS INDICATED FOR REMOVAL WITHIN THE LIMITS OF THE RIGHT OF WAY OR TEMPORARY RIGHT-OF WAY. CUT AND CAP THE EXISTING WIRING AT THE RIGHT OF WAY LINE. REMOVE FOUNDATIONS TO A MINIMUM OF 1 FOOT BELOW THE PROPOSED GROUND SURFACE OR REMOVE ENTIRE FOUNDATION IF NECESSARY FOR THE COMPLETION OF OTHER WORK IN THE CONTRACT. BACKFILL THE CAVITY CREATED BY THE REMOVAL ITEM ACCORDING TO 202.02, EXCEPT WHEN THE CAVITY LIES WITHIN THE LIMITS OF SUBSEQUENT EXCAVATION OR OTHER WORK.

DELIVER THE EXISTING SIGN TO THE PROPERTY OWNER OR DISPOSE OF IF THE OWNER DOES NOT WANT TO SALVAGE THE REMOVED MATERIALS. THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER REGARDING THIS PROPOSED WORK FOR THE DISCONNECTION OF THE CIRCUIT AND TO DETERMINE THE PROPERTY OWNERS INTENT TO SALVAGE THE EXISTING BUSINESS SIGN.

THE ABOVE NOTED WORK SHALL BE COMPLETED AT THE DIRECTION OF THE ENGINEER. PAYMENT FOR ALL OF THE ABOVE NOTED WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR:

ITEM 202 REMOVAL MISC.: BUSINESS SIGN, EACH

**ITEM 202 REMOVAL MISC.: BOULDER**

REMOVE THE BOULDERS AS INDICATED FOR REMOVAL IN THEIR ENTIRETY. BACKFILL ANY CAVITY CREATED BY THE REMOVAL ITEM ACCORDING TO 202.02, EXCEPT WHEN THE CAVITY LIES WITHIN THE LIMITS OF SUBSEQUENT EXCAVATION OR OTHER WORK.

BOULDERS REMOVED AND ALL OF THE ABOVE WORK WILL BE PAID FOR AT THE CONTRACT PRICE FOR:

ITEM 202 REMOVAL MISC.: BOULDER, EACH

**ITEM 202 REMOVAL MISC.: CONCRETE BLOCK**

REMOVE THE CONCRETE BLOCKS (MEASURING APPROXIMATELY 2.5' X 2.5' X 6') AS INDICATED FOR REMOVAL IN THEIR ENTIRETY. BACKFILL ANY CAVITY CREATED BY THE REMOVAL ITEM ACCORDING TO 202.02, EXCEPT WHEN THE CAVITY LIES WITHIN THE LIMITS OF SUBSEQUENT EXCAVATION OR OTHER WORK.

CONCRETE BLOCKS REMOVED AND ALL OF THE ABOVE WORK WILL BE PAID FOR AT THE CONTRACT PRICE FOR:

ITEM 202 REMOVAL MISC.: CONCRETE BLOCK, EACH

**ITEM 202 REMOVAL MISC.: BOLLARD  
ITEM 202 REMOVAL MISC.: POST**

REMOVE THE BOLLARD OR POST AND FOUNDATION AS INDICATED FOR REMOVAL. REMOVE FOUNDATIONS TO A MINIMUM OF 1 FOOT BELOW THE PROPOSED GROUND SURFACE OR REMOVE ENTIRE FOUNDATION IF NECESSARY FOR THE COMPLETION OF OTHER WORK IN THE CONTRACT. BACKFILL THE CAVITY CREATED BY THE REMOVAL ITEM ACCORDING TO 202.02, EXCEPT WHEN THE CAVITY LIES WITHIN THE LIMITS OF SUBSEQUENT EXCAVATION OR OTHER WORK.

BOLLARDS AND POSTS REMOVED AND ALL OF THE ABOVE WORK WILL BE PAID FOR AT THE CONTRACT PRICE FOR:

ITEM 202 REMOVAL MISC.: BOLLARD, EACH  
ITEM 202 REMOVAL MISC.: POST, EACH

**ITEM 202 REMOVAL MISC.: LANDSCAPE LIGHTS**

REMOVE THE LIGHTS AND ANY ASSOCIATED WIRING AS INDICATED FOR REMOVAL.

LANDSCAPE LIGHTS REMOVED AND ALL OF THE ABOVE WORK WILL BE PAID FOR AT THE CONTRACT PRICE FOR:

ITEM 202 REMOVAL MISC.: LANDSCAPE LIGHT, EACH

**ITEM 202 REMOVAL MISC.: STONE WALL  
ITEM 202 REMOVAL MISC.: CONCRETE WALL**

REMOVE THE WALL AND FOUNDATION TO A MINIMUM OF 1 FOOT BELOW THE PROPOSED GROUND SURFACE OR REMOVE ENTIRE FOUNDATION IF NECESSARY FOR THE COMPLETION OF OTHER WORK IN THE CONTRACT. BACKFILL THE CAVITY CREATED BY THE REMOVAL ITEM ACCORDING TO 202.02, EXCEPT WHEN THE CAVITY LIES WITHIN THE LIMITS OF SUBSEQUENT EXCAVATION OR OTHER WORK.

WALLS REMOVED AND ALL OF THE ABOVE WORK WILL BE PAID FOR AT THE CONTRACT PRICE FOR:

ITEM 202 REMOVAL MISC.: STONE WALL, FOOT  
ITEM 202 REMOVAL MISC.: CONCRETE WALL, FOOT

**ITEM 202 REMOVAL MISC.: BUILDING FOUNDATION**

REMOVE THE FOUNDATION AS INDICATED FOR REMOVAL TO A MINIMUM OF 1 FOOT BELOW THE PROPOSED GROUND SURFACE OR REMOVE ENTIRE FOUNDATION IF NECESSARY FOR THE COMPLETION OF OTHER WORK IN THE CONTRACT. BREAK UP BASEMENT FLOORS TO REMAIN IN PLACE AND SEAL REMAINING DRAINS WITH MASONRY. BACKFILL THE CAVITY CREATED BY THE REMOVAL ITEM ACCORDING TO 202.02, EXCEPT WHEN THE CAVITY LIES WITHIN THE LIMITS OF SUBSEQUENT EXCAVATION OR OTHER WORK.

FOUNDATIONS REMOVED AND ALL OF THE ABOVE WORK WILL BE PAID FOR AT THE CONTRACT PRICE FOR:

ITEM 202 REMOVAL MISC.: BUILDING FOUNDATION, EACH

**ITEM SPECIAL - PARKING BLOCK REMOVED**

REMOVE THE PARKING BLOCKS AND STAKES AS INDICATED FOR REMOVAL.

PARKING BLOCKS REMOVED AND ALL OF THE ABOVE WORK WILL BE PAID FOR AT THE CONTRACT PRICE FOR:

ITEM SPECIAL - PARKING BLOCK REMOVED, EACH

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GENERAL NOTES

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PART 1

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**EROSION CONTROL**

**SEEDING AND MULCHING**

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

- 659, SOIL ANALYSIS TEST 2 EACH
- 659, TOPSOIL 13,524 CU. YD.
- 659, SEEDING AND MULCHING, CLASS 1 121,832 SQ. YD.
- 659, REPAIR SEEDING AND MULCHING 6,092 SQ. YD.
- 659, INTER-SEEDING 6,092 SQ. YD.
- 659, COMMERCIAL FERTILIZER 16.99 TON
- 659, LIME 25.17 ACRES
- 659, WATER 691 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON LIMITS IDENTIFIED AS NECESSARY IN THE CROSS-SECTIONS. ANY ADDITIONAL AREAS OUTSIDE OF THE AREAS IDENTIFIED IN THE CROSS-SECTIONS THAT ARE DISTURBED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION MUST BE RESTORED IN ACCORDANCE WITH C&MS 107.10 AND CONSIDERED INCIDENTAL TO THE WORK. NO ADDITIONAL COMPENSATION WILL BE MADE FOR THESE AREAS.

**ENVIRONMENTAL**

**NOTIFICATION OF COMMENCEMENT**

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING A MINIMUM OF TWO WEEKS PRIOR TO COMMENCEMENT OF WORK:

- PAINESVILLE TOWNSHIP 440-352-1443
- PAINESVILLE TOWNSHIP FIRE 440-358-6996
- RIVERSIDE LOCAL SCHOOLS 440-352-0668
- PERRY TOWNSHIP 440-259-5140
- PERRY JOINT FIRE DISTRICT 440-259-3251
- PERRY LOCAL SCHOOLS 440-259-9200
- NORTH PERRY VILLAGE 440-259-4994
- NORTH PERRY VILLAGE POLICE 440-259-4994
- MADISON TOWNSHIP 440-428-5128
- MADISON FIRE DISTRICT 440-428-1522
- MADISON TOWNSHIP POLICE 440-428-2116
- MADISON LOCAL SCHOOLS 440-428-2166
- LAKE COUNTY SHERIFF (PAINESVILLE TWP., PERRY TWP.) 440-350-5601

**ENDANGERED BAT HABITAT REMOVAL**

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

**MUSSEL SALVAGE AND RELOCATION**

THE DEPARTMENT WILL ENSURE A STATE PERMITTED MALACOLOGIST WILL COMPLETE A MUSSEL SALVAGE AND RELOCATION IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE OHIO MUSSEL SURVEY PROTOCOL PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES BELOW THE ORDINARY HIGH WATER MARK FOR RED MILL CREEK. THE DISTRICT ENVIRONMENTAL COORDINATOR WILL COORDINATE THE RESULTS OF THE MUSSEL SURVEY, SALVAGE WORK, OR BOTH WITH ODNR. THE DEPARTMENT WILL ENSURE THE MUSSEL SURVEY AND RELOCATION OCCURS, AND APPROVAL HAS BEEN RECEIVED FROM ODNR, PRIOR TO THE CONTRACTOR PERFORMING WORK BELOW THE ORDINARY HIGH WATER MARK OF RED MILL CREEK.

THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT ONE MONTH PRIOR TO ANY PLANNED WORK BELOW THE ORDINARY HIGH WATER OF RED MILL CREEK.

**ITEM SPECIAL - PETROLEUM CONTAMINATED SOILS**

STUDIES INDICATE THAT PETROLEUM CONTAMINATED SOILS WILL BE ENCOUNTERED DURING EXCAVATIONS FOR CONSTRUCTION ACTIVITIES AT:

- STA 119+25 to STA 139+75  
2495 NORTH RIDGE ROAD  
2481 NORTH RIDGE ROAD  
2450 NORTH RIDGE ROAD  
2500 NORTH RIDGE ROAD  
2510 NORTH RIDGE ROAD  
2501 NORTH RIDGE ROAD
- STA 236+25 to STA 240+00  
3497 NORTH RIDGE ROAD
- STA 340+50 to STA 343+50  
4569 NORTH RIDGE ROAD  
4571 NORTH RIDGE ROAD
- STA 393+50 to STA 397+00  
5068 NORTH RIDGE ROAD

THE CONTRACTOR SHALL MANAGE THE EXCAVATED MATERIAL AS FOLLOWS. THE ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THIS WORK. ALL EXCAVATIONS AT THE AFOREMENTIONED LOCATION SHALL BE PAID FOR UNDER THE ORIGINAL PLAN BID ITEMS.

THE ENGINEER MAY PERMIT THE CONTRACTOR TO DIRECT LOAD THE EXCAVATED MATERIAL INTO TRUCKS FOR TRANSPORT AND DISPOSAL. AS AN ALTERNATE, THE ENGINEER MAY PERMIT THE CONTRACTOR TO TEMPORARILY STOCKPILE THE EXCAVATED MATERIAL ON AN IMPERMEABLE MEMBRANE, IN AN AREA PROVIDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. THE MEMBRANE SHALL BE SURROUNDED BY BALES OF STRAW TO PREVENT THE EXCAVATED MATERIAL FROM COMING IN CONTACT WITH THE UNDERLYING SOIL. AN IMPERMEABLE MEMBRANE SHALL BE PLACED OVER THE STOCKPILE TO PREVENT CONTACT WITH PRECIPITATION AND/OR SURFACE RUN-OFF.

THE EXCAVATED MATERIAL SHALL BE PROPERLY TRANSPORTED AND DISPOSED OF AS A SOLID WASTE IN A LICENSED (BY THE LOCAL HEALTH DEPARTMENT) AND PERMITTED (BY THE OHIO ENVIRONMENTAL PROTECTION AGENCY) SOLID WASTE FACILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY TESTING, PERMITS, AND APPROVALS TO TRANSPORT AND DISPOSE OF THE MATERIAL. IF EXCAVATIONS WITHIN THE AFOREMENTIONED LIMITS REQUIRE DEWATERING FOR CONSTRUCTION PURPOSES, THE CONTRACTOR SHALL DEWATER, CONTAINERIZE AND DISPOSE OF BY METHODS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS AND/OR AUTHORIZATIONS NEEDED TO STORE, TEST, TRANSPORT AND DISPOSE OF THE WATER IN ACCORDANCE WITH APPLICABLE LOCAL, STATE OR FEDERAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF REGULATED WATER WITH A METHOD APPROVED BY THE ENGINEER. WORK INVOLVED WITH THIS ITEM SPECIAL INCLUDES COMPLYING WITH THE HANDLING, STORAGE, AND DISPOSAL OF REGULATED AND NON-REGULATED WATER.

PAYMENT FOR THIS WORK SHALL BE MADE AT THE CONTRACT PRICE BID PER TON AND/OR GALLON. THE BASIS FOR CONVERSION FROM TONS TO CUBIC YARDS IS 1.5 TON/CUBIC YARD. ALL EXCAVATIONS WITHIN THE AFOREMENTIONED LIMITS SHALL BE PAID FOR UNDER THE ORIGINAL PLAN BID ITEMS. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

- 690E65016 ITEM SPECIAL - WORK INVOLVING PETROLEUM CONTAMINATED SOIL 8200 TON
- 690E65024 ITEM SPECIAL - WORK INVOLVING REGULATED WATER 4100 GALLON
- 690E65022 ITEM SPECIAL - WORK INVOLVING NON-REGULATED WATER 4100 GALLON

**DRAINAGE**

**ITEM 605 - AGGREGATE DRAINS**

AGGREGATE DRAINS SHALL BE PLACED AT 50 FOOT INTERVALS ON EACH SIDE OF NORMAL CROWNED SECTIONS, STAGGERED SO THAT EACH DRAIN IS 25 FEET FROM THE ADJACENT DRAIN ON THE OPPOSITE SIDE, AND AT 25 FOOT INTERVALS ON THE LOW SIDE ONLY OF SUPERELEVATED SECTIONS. AN AGGREGATE DRAIN SHALL BE PLACED AT THE LOW POINT OF EACH SAG VERTICAL CURVE. LINE THE AGGREGATE DRAIN TRENCH WITH GEOTEXTILE FABRIC. PLACE THE GEOTEXTILE FABRIC TO COMPLETELY SURROUND THE GRANULAR MATERIAL. OVERLAP THE GEOTEXTILE FABRIC AT THE TOP OF THE TRENCH. MATCH THE OVERLAP TO THE TRENCH WIDTH. AT OTHER SEAMS, OVERLAP GEOTEXTILE FABRIC A MINIMUM OF 12 INCHES.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS WORK AD DIRECTED BY THE DEPARTMENT:

- ITEM 605 AGGREGATE DRAINS 250 FT

**ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT**

THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING CONDUIT AND FILLING THE AREA THUS SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

BULKHEADS SHALL BE LOCATED AT THE LIMITS OF THE AREA TO BE FILLED AS INDICATED ON THE PLANS. THE BULKHEADS SHALL CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

THE FILL MATERIAL SHALL BE PUMPED INTO PLACE, OR PLACED BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT, AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH, SHALL BE FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

THE LENGTH, MEASURED AS PROVIDED ABOVE, SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

**CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES**

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

**PIPE CONNECTIONS TO CORRUGATED METAL STRUCTURES**

CONNECTIONS OF PROPOSED LONGITUDINAL DRAINAGE TO CORRUGATED METAL STRUCTURES SHALL BE MADE BY MEANS OF A SHOP FABRICATED OR FIELD WELDED STUB ON THE STRUCTURE. THE STUB SHALL MEET THE REQUIREMENTS OF 707 AND HAVE A MINIMUM LENGTH OF 2 FEET AND A MINIMUM WALL THICKNESS OF 0.064 INCHES.

THE LOCATION AND ELEVATION OF THE STUB ARE TO BE CONSIDERED APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER TO AVOID CUTTING THROUGH JOINTS IN THE STRUCTURE.

THE FIELD WELDED JOINT, IF USED, SHALL BE THOROUGHLY CLEANED AND REGALVANIZED OR OTHERWISE SUITABLY REPAIRED. WELDING SHALL MEET THE REQUIREMENTS OF 513.21.

A MASONRY COLLAR, AS PER STANDARD DRAWING DM-1.1, WILL BE REQUIRED TO CONNECT THE LONGITUDINAL DRAINAGE TO THE STUB, WHEN PIPE OTHER THAN CORRUGATED METAL IS PROVIDED FOR THE LONGITUDINAL DRAINAGE.

PAYMENT FOR CUTTING INTO THE STRUCTURE AND PROVIDING THE CONNECTION DESCRIBED, SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 611 OR 522.

**ITEM 611 CATCH BASIN RECONSTRUCTED TO GRADE  
ITEM 611 MANHOLE RECONSTRUCTED TO GRADE**

THE FOLLOWING QUANTITY IS PROVIDED TO RECONSTRUCT EXISTING CATCH BASINS AND MANHOLES TO GRADE IN RESURFACING AREAS OF THE PROJECT, AS DIRECTED BY THE DEPARTMENT.

- ITEM 611 CATCH BASIN RECONSTRUCTED TO GRADE, 5 EACH
- ITEM 611 MANHOLE RECONSTRUCTED TO GRADE, 5 EACH

**ITEM 611 CATCH BASIN ADJUSTED TO GRADE. AS PER PLAN  
ITEM 611 MANHOLE ADJUSTED TO GRADE. AS PER PLAN**

ALL CASTINGS SHALL BE ADJUSTED TO THE FINISHED ROADWAY ELEVATION BY THE CONTRACTOR. THE TIME BETWEEN ADJUSTING THE THE CASTINGS AND RESURFACING SHALL BE KEPT TO AN ABSOLUTE MINIMUM. NO ADJUSTING RINGS SHALL BE PERMITTED.

THE FOLLOWING QUANTITY IS PROVIDED TO ADJUST EXISTING CATCH BASINS AND MANHOLES TO GRADE IN RESURFACING AREAS OF THE PROJECT, AS DIRECTED BY THE DEPARTMENT.

- ITEM 611 CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN, 45 EACH
- ITEM 611 MANHOLE ADJUSTED TO GRADE, AS PER PLAN, 17 EACH

**ITEM 503 - COFFERDAMS AND EXCAVATION BRACING. AS PER PLAN (FOR PROPOSED CULVERT AT STA. 253+86)**

THE DESIGN SHOWN ON THE PLANS FOR TEMPORARY SUPPORT OF EXCAVATION IS ONE REPRESENTATIVE DESIGN THAT MAY BE USED TO CONSTRUCT THE PROJECT. THE CONTRACTOR MAY CONSTRUCT THE DESIGN SHOWN ON THE PLANS OR PREPARE AN ALTERNATE TO SUPPORT THE SIDES OF THE EXCAVATIONS. IF CONSTRUCTING AN ALTERNATE DESIGN FOR TEMPORARY SUPPORT OF EXCAVATION, PREPARE AND PROVIDE PLANS IN ACCORDANCE WITH C&MS 501.05. THE DEPARTMENT WILL PAY FOR THE TEMPORARY SUPPORT OF EXCAVATION AT THE CONTRACT LUMP PRICE FOR COFFERDAMS AND EXCAVATION BRACING. NO ADDITIONAL PAYMENT WILL BE MADE FOR PROVIDING AN ALTERNATE DESIGN.

THIS WORK SHALL CONSIST OF TEMPORARY SHEET PILING TO BE INSTALLED TO CONSTRUCT THE NEW CULVERT AT STA. 253+86 TO APPROXIMATE LIMITS SHOWN ON SHEET 83 OF 1253. THE WORK SHALL BE IN ACCORDANCE WITH ITEM 503, EXCEPT THAT STEEL SHEET PILING SATISFYING THE MAXIMUM SECTION DEPTH, THE MINIMUM SECTION AND MATERIAL PROPERTIES LISTED BELOW SHALL BE USED. CULVERT DETAIL SHEET 862 OF 1253 FOR THE CULVERT SECTION

- MAXIMUM SECTION DEPTH: NO MAXIMUM
- MINIMUM SECTION MODULUS: 60.7 CU. IN./FT.
- STRUCTURAL STEEL: A572
- MINIMUM YIELD STRENGTH: 50,000 PSI

THE DEPTH OF EXCAVATION AT THE PROPOSED CULVERT SHALL BE 19' MAXIMUM WITH A 2'-0" LIVE LOAD SURCHARGE AND WILL REQUIRE THE USE OF TEMPORARY SHORING. IF IT IS NOT REMOVED, ALL SHEETING SHALL BE CUT TO 1 FT. BELOW PROPOSED APPROACH ROADWAY SUBBASE (ITEM 304) ELEVATION. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SAFE TEMPORARY CUT SLOPES AND ANY DEWATERING AS NOTED IN ITEM 503.

TEMPORARY SHEETING TABLE					
SHEETING	APPROX. STA.		ELEVATIONS		LENGTH
	BEGIN	END	TOP	BOTTOM	
BACK	253+44.5	254+03.5±	678.0	626.0	52'
*OVER EX. BOX	254+03.5±	254+11.5±	678.0	664.0	14'
AHEAD	254+11.5±	254+28.0±	678.0	626.0	52'

\*--WELD WALERS ON EXPOSED SIDE OF THIS 8' LONG PART OF WALL

DO NOT DRIVE SHEET PILING THROUGH AN EXISTING BOX CULVERT AT STA. 254+07.5. CONSEQUENTLY, AN 8'-0"± LENGTH OF WALL ABOVE THE EXISTING BOX SHALL BE STIFFENED WITH WALERS WELDED TO THE EXPOSED FACE OF THE SHEET PILING. INSTALL FOUR (4) W6X25 X 12'-0" LONG WALERS AS THE EXCAVATION DEEPENS ABOVE THE EXISTING BOX CULVERT. FLAME CUT A HOLE THROUGH THE SHEET PILING TO PASS A PROPOSED 66" STORM CONDUIT.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS TO COMPLETE THE WORK DESCRIBED ABOVE IS INCLUDED UNDER THE CONTRACT "LUMP SUM" PRICE BID FOR ITEM 503 COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN.

CALCULATED  
TLS  
CHECKED  
JMP

GENERAL NOTES

LAK-US-20-19.59  
PART 1



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**EXISTING SUBSURFACE DRAINAGE**

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE.

UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 605 - AGGREGATE DRAINS 200 FT.  
ITEM 605 - 6" UNCLASSIFIED PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC 500 FT.  
ITEM 611 - 6" CONDUIT, TYPE F 50 FT.

**DRAINAGE DISCHARGE CONTINUANCE**

FURNISH A DRAINAGE DISCHARGE CONTINUANCE FOR ANY DRAINAGE DISCHARGE DISTURBED BY THE WORK AND NOT SHOWN IN THE PLANS. THE LOCATION, TYPE (CONDUIT OR SWALE), SIZE AND GRADE OF THE DRAINAGE DISCHARGE CONTINUANCE WILL BE AGREED TO BY THE ENGINEER

FURNISH AN INSPECTION WELL AT THE RIGHT OF WAY LINE IN ACCORDANCE WITH SCD DM-3.1 FOR EACH DRAINAGE DISCHARGE THAT OUTLETS THROUGH A CURB OPENING, OR INTO A STORM SEWER OR DRAINAGE STRUCTURE. THE COST IS INCLUDED IN ITEM 611, INSPECTION WELL.

FURNISH A DRILLED HOLE OR A CURB SECTION WITH A HOLE WHEN OUTLETTING A CONDUIT THROUGH A CURB OPENING. THE COST OF DRILLING, OR FURNISHING THE CURB SECTION WITH HOLE IS INCLUDED IN ITEM 611, CONDUIT, MISC TYPE - FOR DRAINAGE DISCHARGE CONTINUANCE.

FURNISH A DRILLED CORE HOLE WHEN OUTLETTING INTO A STORM SEWER OR DRAINAGE STRUCTURE. THE COST OF THE DRILLED CORE HOLE IS INCLUDED IN ITEM 611, CONDUIT, MISC TYPE - FOR DRAINAGE DISCHARGE CONTINUANCE.

DOCUMENTATION: THE CONTRACTOR SHALL FURNISH WRITTEN DOCUMENTATION TO THE ENGINEER AND TO THE DISTRICT R/W PERMIT OFFICE. THE DOCUMENTATION INCLUDES THE CONSTRUCTION PROJECT NUMBER, PID, COUNTY, ROUTE, SECTION, LATITUDE AND LONGITUDE OF THE DRAINAGE DISCHARGE AT THE R/W, THE NAME OF PROPERTY OWNER WITH ADDRESS, THE DATE THE DRAINAGE DISCHARGE WAS LOCATED, THE DATE THE DRAINAGE DISCHARGE CONTINUANCE WAS FURNISHED, A DETAILED DESCRIPTION OF THE WORK AND PICTURES OF THE DRAINAGE DISCHARGE CONTINUANCE (IN PDF OR JPEG FORMAT). THE DOCUMENTATION IS INCLUDED IN ITEM 611, CONDUIT, MISC TYPE - FOR DRAINAGE DISCHARGE CONTINUANCE.

CONDUIT MATERIAL TYPES THE FOLLOWING CONDUIT MATERIAL TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, AND 707.52 SDR35.

PAY ITEMS: EACH OF THE PAY ITEMS LISTED BELOW FOR CONDUIT MISCELLANEOUS TYPES B AND C FOR DRAINAGE DISCHARGE CONTINUANCE INCLUDE CONDUIT SIZES 2 INCH TO 10 INCH. THERE IS NO COST DIFFERENTIATION FOR SIZE IN THESE PAY ITEMS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER IN MAKING THE ABOVE DRAINAGE DISCHARGE CONTINUANCE:

ITEM 611, INSPECTION WELL 10 EACH  
ITEM 611, CONDUIT, MISC TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE 500 FEET  
ITEM 611, CONDUIT, MISC TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE 500 FEET

**REVIEW OF DRAINAGE FACILITIES**

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

**ITEM SPECIAL - MISCELLANEOUS METAL**

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL MATERIAL SHALL MEET ITEM 611 OF THE SPECIFICATIONS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

SPECIAL, MISCELLANEOUS METAL 10,000 POUNDS

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS AT THE EXPENSE OF THE CONTRACTOR.

**ITEM 611 CATCH BASIN RECONSTRUCTED TO GRADE**

THE FOLLOWING QUANTITY IS PROVIDED TO RECONSTRUCT EXISTING CATCH BASINS TO GRADE IN RESURFACING AREAS OF THE PROJECT, AS DIRECTED BY THE DEPARTMENT.

ITEM 611 CATCH BASIN RECONSTRUCTED TO GRADE, 5 EACH

**ITEM 611 INLET, SIDE DITCH**

THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED TO ADDRESS LOW AREAS INADVERTENTLY CREATED WITHIN THE PROJECT LIMITS, AS DIRECTED BY THE DEPARTMENT.

ITEM 611 INLET, SIDE DITCH 5 EACH  
ITEM 611 12" CONDUIT, TYPE C 500 FEET

**ITEM 611 12" CONDUIT, AS PER PLAN, 748.01 OR 748.06**

THE FOLLOWING CONDUIT TYPES SHALL BE PROVIDED FOR THIS ITEM OF WORK.

748.01 - PROVIDE ANSI CLASS 52 WITH PUSH-ON JOINTS CONFORMING TO 638.07.  
748.06 - PROVIDE STANDARD THICKNESS GALVANIZED STEEL CASING WITH FULL-CIRCUMFERENCE WELDED JOINTS CONFORMING TO 513.21.

**ITEM SPECIAL - PIPE CLEANOUT**

THIS WORK SHALL CONSIST OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER 105.16 AND 105.17. ALL SEWERS SHALL BE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER.

CLEANOUT OF THE PIPE SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL - PIPE CLEANOUT. THIS PRICE SHALL INCLUDE THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE ABOVE NOTED WORK:

SPECIAL, PIPE CLEANOUT, 24" AND UNDER 400 FT.  
SPECIAL, PIPE CLEANOUT, 27" TO 48" 275 FT.

**TEMPORARY DRAINAGE ITEMS**

TEMPORARY DRAINAGE ITEMS LABELED ON THE MAINTENANCE OF TRAFFIC PLAN ARE ITEMIZED ON THE MOT PLANS. PAYMENT FOR THE TEMPORARY DRAINAGE ITEMS ARE ITEMIZED AND CARRIED TO THE GENERAL SUMMARY.

**WATER QUALITY**

**POST CONSTRUCTION STORM WATER TREATMENT**

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

**MANUFACTURED WATER QUALITY STRUCTURE**

THIS PLAN UTILIZES MANUFACTURED WATER QUALITY STRUCTURES FOR WATER QUALITY TREATMENT. AREAS HAVE BEEN SHOWN IN THE PLANS FOR PLACEMENT OF AN OFF-LINE SYSTEM. PAYMENT FOR THESE DEVICES SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR ITEM 895, MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4.

**PAVEMENT**

**PART-WIDTH CONSTRUCTION**

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

**PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS**

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF PIPES.

ITEM 301 - ASPHALT CONCRETE BASE, PG64-22, (449) 100 CU. YDS.  
ITEM 304 - AGGREGATE BASE 100 CU. YDS.

THE ABOVE QUANTITY IS BASED ON A 301 AND 304 THICKNESS OF 6 INCHES AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

**PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE INSTALLATIONS**

THE FOLLOWING QUANTITY IS PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ITEM 611, DRAINAGE STRUCTURES.

ITEM 301, ASPHALT CONCRETE BASE, PG64-22, (449) 10 CU. YDS.  
ITEM 304 - AGGREGATE BASE 10 CU. YDS.

THE ABOVE QUANTITY IS BASED ON A 301 AND 304 THICKNESS OF 6 INCHES AND A WIDTH OF TWO FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURE.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

**ITEM 202 - PAVEMENT REMOVED, AS PER PLAN**

THIS ITEM SHALL INCLUDE THE REMOVAL OF ALL INTEGRAL CURB AND ALL TYPES OF EXISTING PAVEMENT, INCLUDING ASPHALT, CONCRETE AND BRICK.

**ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441)**

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR PARTIAL DEPTH PAVEMENT REPAIR:

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (441) 1400 SY.

REMOVAL DEPTH SHALL BE 3 INCHES OR AS DIRECTED BY THE ENGINEER.

**ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5 mm, TYPE A (446), AS PER PLAN, PG76-22M**

THE COARSE VIRGIN AGGREGATE FOR THIS ITEM SHALL BE LIMITED TO A BLEND OF AIR COOLED BLAST FURNACE SLAG (ACBFS) OR TRAP ROCK FROM ONTARIO AND LIMESTONE. THE CONTRACTOR SHALL USE A MINIMUM 60% OF ACBFS OR TRAP ROCK FROM ONTARIO WITH LIMESTONE COMPRISING THE REMAINING PERCENTAGE. AT LEAST 50% OF THE FINE VIRGIN AGGREGATE FOR THIS ITEM SHALL BE LIMITED TO ACBFS OR TRAP ROCK FROM ONTARIO.

TABLE 442.02-2 APPLIES EXCEPT NO. 4 SIEVE REQUIREMENTS ARE 52 TO 60 TOTAL PERCENT PASSING. FOR THE NO. 4 SIEVE, DO NOT EXCEED 63 IN PRODUCTION.

WHEN ACBFS IS USED FOR A FRACTION OF THE COARSE AGGREGATE, PROVIDE A TOTAL ASPHALT BINDER CONTENT GREATER THAN OR EQUAL TO 6.2%. IF ACBFS MAKES UP 100% OF THE COARSE AGGREGATE, APPLY THE BINDER CONTENT REQUIREMENTS OF CMS 442.

**ITEM 442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19 mm, TYPE A (446), AS PER PLAN**

ON THIS PROJECT SUPPLY A 19 mm INTERMEDIATE COURSE MEETING THE REQUIREMENTS OF 442 EXCEPT AS MODIFIED BELOW.

MODIFY TABLE 442.02-2 AS FOLLOWS:

SIEVE SIZE		9.5 mm mix	12.5 mm mix	19 mm mix
		TOTAL PERCENT PASSING		
1 1/2 inch	(38 mm)	-	-	100
3/4 inch	(19 mm)	-	100	95 to 100
1/2 inch	(12.5 mm)	100	95 to 100	90 to 100
3/8 inch	(9.5 mm)	90 to 100	96 max	96 max
No. 4	(4.75 mm)	70 max	52 to 65	60 max
No. 8	(2.36 mm)	34 to 52	34 to 45	34 to 45
No. 200	(75 µm)	2 to 8	2 to 8	2 to 8

MODIFY TABLE 442.02-3 AS FOLLOWS: APPLY 14.0 FOR A VMA (PERCENT MINIMUM) FOR A 19 mm MIX. APPLY 5.3 PERCENT FOR THE MINIMUM TOTAL ASPHALT BINDER CONTENT FOR A 19 mm MIX.

MODIFY THE 442 INTERMEDIATE COURSE REQUIREMENTS OF TABLES 401.04-1 AND 401.04-2 AS FOLLOWS: APPLY 3.5 PERCENT FOR THE TOTAL VIRGIN ASPHALT BINDER CONTENT, MINIMUM.

USE A PG64-22 IF USING 25 PERCENT OR LESS RAP. USE PG64-28 IF USING GREATER THAN 25 PERCENT RAP.

**ITEM 301 - ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG64-22**

FOR THE PLACEMENT OF 301 ASPHALT BASE, USE ANTI-SEGREGATION EQUIPMENT CONFORMING TO THE REQUIREMENTS OF 401.03.C EXCLUDING THE USE OF REMIXING PAVERS. ALL COSTS ASSOCIATED WITH THIS PROVISION SHALL BE INCIDENTAL TO ITEM 301 - ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG64-22.

CALCULATED  
TLS  
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GENERAL NOTES

LAK-US-20-19.59  
PART 1

**WATER WORK**

**WATER WORK GENERAL**

1. ALL WATER WORK SHALL BE PREFORMED IN ACCORDANCE WITH ITEM 638, THE LAKE COUNTY DEPARTMENT OF UTILITIES (LCDU) RULES AND REGULATIONS, LATEST EDITION AND PLAN DETAILS. WHERE A CONFLICT BETWEEN THE SPECIFICATIONS ARISES, THE LAKE COUNTY DEPARTMENT OF UTILITIES RULES AND REGULATIONS, LATEST EDITION WILL PREVAIL. THE LAKE COUNTY DEPARTMENT OF UTILITIES RULES AND REGULATIONS CAN BE FOUND AT THE FOLLOWING WEB ADDRESS: [www.lakecountyohio.gov/utilities/rules-and-regulations/](http://www.lakecountyohio.gov/utilities/rules-and-regulations/)

2. ONLY WATER/SEWER CONTRACTORS LICENSED BY THE LAKE COUNTY BOARD OF COMMISSIONERS MAY INSTALL WATER MAINS.

3. THE CONTRACTOR SHALL NOTIFY THE LCDU AT LEAST 48 HOURS IN ADVANCE OF ANY WORK IN THEIR SYSTEMS.

4. THE LCDU SHALL PERFORM INSPECTION SERVICES. THE COST OF INSPECTION SHALL BE INCLUDED AS PART OF THIS CONSTRUCTION PROJECT AT THE CURRENT BASE RATE AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS (SEE LAKE COUNTY UTILITIES DEPARTMENT RULES AND REGULATIONS SECTION 7 FEE SCHEDULE). COSTS FOR LAKE COUNTY INSPECTION FEES AND ALL OTHER WATERWORK RELATED FEES SHALL BE INCLUDED IN THE UNIT BID PRICES FOR THE VARIOUS WATERWORK ITEMS. NO SEPARATE PAYMENT WILL BE MADE FOR LCDU FEES.

5. WATERLINE WORK SHALL NOT BEGIN UNTIL THE AREAS OF CONSTRUCTION ARE ROUGH GRADED.

6. ALL HYDRANTS SHALL BE POSITIONED SO THAT THE STEAMER NOZZLES POINT TOWARD THE ROADWAY PAVEMENT.

7. ALL BOLTS SHALL BE STAINLESS STEEL TYPE 304 OR 316. WITH ANTI-GALLING AGENT.

8. ALL SHOP DRAWINGS SHALL BE SUBMITTED TO ODOT FOR PRELIMINARY CHECKING. ODOT SHALL FORWARD CHECKED SHOP DRAWINGS TO THE LCDU FOR FINAL CHECKING AND APPROVAL.

9. THE LCDU SHALL PROVIDE WATER FOR THE NEW WATER MAIN WITHOUT COST FOR THE INITIAL OPERATION. ALL WATER FOR FLUSHING OPERATIONS SHALL BE PAID FOR BY THE CONTRACTOR AT CURRENT RATES AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS PER 100 CUBIC FEET OF WATER USED. (SEE SECTION 7 FEE SCHEDULE)

10. ALL WATER MAIN PIPE SHALL BE DUCTILE IRON PIPE, ANSI A21.51, THICKNESS CLASS 53, UNLESS OTHERWISE SHOWN ON THE PLANS, WITH MECHANICAL JOINTS, CEMENT LINED ANSI A 21.4. FITTINGS TO BE FULL BODY-ONLY.

11. RESTRAINED MECHANICAL JOINTS SHALL BE OF THE PIPE MANUFACTURER'S STANDARD DESIGN OR SHALL BE AS LISTED IN THE LCDU APPROVED MATERIALS LIST.

12. LCDU WILL MAKE THE NECESSARY NEW SERVICE CONNECTION TAPS ON EXISTING LCDU MAINS FOR THE CONTRACTOR AT CURRENT RATES AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS PER 8" AND GREATER TAPS WITHIN RIGHT OF WAY. (SEE SECTION 7 FEE SCHEDULE) SERVICE CONNECTIONS TO EXISTING BUILDINGS SHALL BE MADE BY THE CONTRACTOR.

13. LCDU WILL SHUT DOWN LIMITED PORTIONS OF WATER MAINS (BETWEEN 2 ADJACENT VALVES, GENERALLY SPACED AT 1200 FT TO 1500 FT) FOR PERIODS NOT TO EXCEED 8 HOURS WITHIN A 24 HOUR PERIOD. ALL WORK WITHIN ONE SHUT DOWN AREA SHALL BE COMPLETED WITHIN THAT SHUT DOWN PERIOD. COORDINATE WITH LCDU A MINIMUM OF 48 HOURS IN ADVANCE OF SUCH PLANNED WORK. LOCAL BUSINESSES AND RESIDENTS WITHIN THE SHUT DOWN LIMITS SHALL BE NOTIFIED 48 HOURS IN ADVANCE.

14. NOTHING IN THESE NOTES SHALL BE CONSTRUED TO SUPERCEDE THE FEDERAL BUY AMERICAN REQUIREMENTS AS SET FORTH IN PN 133.

**ITEM SPECIAL 1" COPPER WATER SERVICE LINE. LCDU STANDARD**

FURNISH AND INSTALL COPPER SERVICE BRANCHES, TUBING AND FITTINGS, AS NECESSARY, OR AS SHOWN IN THE CONTRACT DOCUMENTS INCLUDING THE REMOVAL OF THE EXISTING SERVICE BRANCHES OR SERVICE BOXES, AS REQUIRED ACCORDING TO THE FOLLOWING SITUATIONS.

TAPPING SADDLES, CORPORATION STOPS, SERVICE STOPS, AND SERVICE BOXES, IF REQUIRED, ARE SEPARATE FROM THIS ITEM:

WHERE A SERVICE BRANCH IS DISTURBED FOR LOWERING, RAISING, OR RELOCATION BETWEEN THE WATER MAIN AT THE CORPORATION STOP AND THE SERVICE STOP, REPLACE IT WITH NEW MATERIALS WITHIN THESE LIMITS UNLESS THE CONNECTIONS CAN BE MADE OUTSIDE THE LIMITS OF THE PROPOSED PAVEMENT, PAVED SHOULDER, OR CURB.

WHERE A SERVICE BRANCH IS DISTURBED FOR LOWERING, RAISING, EXTENDING, OR SHORTENING ON THE PROPERTY SIDE OF THE SERVICE STOP, REPLACE IT WITH NEW MATERIALS FROM THE EXISTING SERVICE STOP TO THE PROPOSED SERVICE STOP.

IF THE EXISTING SERVICE BRANCH ENCOUNTERED IS FOUND TO BE LEAD OR GALVANIZED PIPE, REPLACE IT FROM THE CORPORATION STOP TO THE SERVICE STOP WITH NEW MATERIAL.

THE DEPARTMENT WILL MEASURE COPPER SERVICE BRANCH BY THE NUMBER OF FEET OF EACH CONSTRUCTED.

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE RELOCATION OF SERVICE BRANCHES WHICH MAY BE IN CONFLICT WITH OTHER WORK IN THE CONTRACT:

ITEM SPECIAL, 1" COPPER WATER SERVICE LINE, LCDU STANDARD 3,500 FT

**ITEM 638 METER AND CHAMBER REMOVED AND RESET. AS PER PLAN**

REMOVE EXISTING CHAMBERS. SET THE CHAMBER ON BRICK BLOCKS. DISCONNECT EXISTING METERS, AND REPLACE THEM WITH SUITABLE CONNECTIONS IF NECESSARY. RECONNECT THE METERS AT NEW LOCATIONS.

THE DEPARTMENT WILL MEASURE METER AND CHAMBER REMOVED AND RESET BY THE NUMBER OF EACH.

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 638, METER AND CHAMBER REMOVED AND RESET, AS PER PLAN, 10 EACH

**ITEM SPECIAL VALVE BOX ADJUSTED TO GRADE. LCDU STANDARD  
ITEM SPECIAL SERVICE BOX ADJUSTED TO GRADE. LCDU STANDARD**

RAISE OR LOWER EXISTING VALVE BOXES AND SERVICE BOXES TO GRADE. THE CONTRACTOR MAY REUSE EXISTING VALVE BOXES AND SERVICE BOXES IF THEY ARE IN GOOD CONDITION, AS DETERMINED BY THE ENGINEER.

EXCAVATE AROUND THE VALVE BOX OR SERVICE BOX TO PERMIT THE RAISING OR LOWERING OF THE VALVE BOX OR SERVICE BOX. THE CONTRACTOR MAY ADJUST ANY SCREW-TYPE BOXES WITHOUT THE USE OF EXTENSIONS PROVIDED THAT AMPLE THREAD REMAINS ON THE BOX TO PROVIDE ADEQUATE RIGIDITY TO THE BOX. PROVIDE EXTENSION SECTIONS FOR BOXES THAT ARE NOT OF THE SCREW-TYPE AND BOXES NOT HAVING AMPLE THREAD FOR RIGIDITY TO ADJUST THE TOP TO GRADE. THE ENGINEER WILL ALLOW INSERTS OR ADAPTERS. ADEQUATELY SECURE NEW SECTIONS OF BOX STEM TO THE EXISTING STEMS. BACKFILL THE HOLE AFTER THE BOX HAS BEEN ADJUSTED TO GRADE.

THE DEPARTMENT WILL MEASURE VALVE BOXES AND SERVICE BOXES ADJUSTED TO GRADE SEPARATELY BY THE NUMBER OF EACH, INCLUDING ANY EXTENSION SECTIONS OF VALVE BOXES OR SERVICE BOXES REQUIRED.

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM SPECIAL, VALVE BOX ADJUSTED TO GRADE, LCDU STANDARD 10 EACH  
ITEM SPECIAL, SERVICE BOX ADJUSTED TO GRADE, LCDU STANDARD 20 EACH

**ITEM SPECIAL FIRE HYDRANT REMOVED FOR STORAGE. LCDU STANDARD**

WHERE EXISTING HYDRANTS ARE INDICATED FOR REMOVAL, PROVIDE ADEQUATE SUPPORT FOR THE HYDRANT BEFORE DISCONNECTING IT. STORE HYDRANTS AN SINGLE LOCATION ON SITE FOR PICK-UP BY LCDU PERSONNEL. NEW HYDRANT INSTALLATION SHALL IMMEDIATELY FOLLOW HYDRANT REMOVAL.

THE DEPARTMENT WILL MEASURE FIRE HYDRANTS REMOVED FOR STORAGE BY THE NUMBER OF EACH, INCLUDING ANY EXTENSION SECTIONS OF VALVE OR SERVICE BOXES REQUIRED.

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICES AS FOLLOWS:

ITEM SPECIAL FIRE HYDRANT REMOVED FOR STORAGE, LCDU STANDARD, EACH

**ITEM SPECIAL 6" FIRE HYDRANT. LCDU STANDARD**

THIS ITEM INCLUDES EXCAVATION AND FURNISHING AND INSTALLING A NEW FIRE HYDRANT COMPLETE WITH PROPER JOINTING, BLOCKING, AND BACKFILLING AS OUTLINED BELOW, AS SHOWN IN THE PLAN DETAILS, AND ALL OTHER INCIDENTAL WORK NECESSARY TO COMPLETE THIS ITEM OF WORK. THE WORK WILL INCLUDE ALL HYDRANT BRANCHES, GATE VALVES, AND VALVE BOXES REQUIRED TO PERFORM THE WORK.

EXCAVATE ACCORDING TO 638.04. EXCAVATE A DRAINAGE PIT 2 FEET IN DIAMETER AND 3 FEET DEEP BELOW THE HYDRANT AND FILL IT WITH GRANULAR MATERIAL. PROVIDE A 3 FOOT MINIMUM RADIUS UNOBSTRUCTED AREA AROUND ALL HYDRANTS. SET THE SIDEWALK FLANGE 2 INCHES ABOVE FINISHED GRADE. SET HYDRANTS ON SOLID CONCRETE BLOCKS ACCORDING TO 638.06.K. PROVIDE THRUST BLOCKING ACCORDING TO 638.06.L. COVER ANY HYDRANT NOT IN SERVICE WITH A BURLAP OR STURDY OPAQUE PLASTIC BAG.

CONSTRUCT HYDRANT BRANCHES USING A SECTION OF DUCTILE IRON PIPE FROM THE MAIN TO THE HYDRANT, AND INCLUDE A GATE VALVE AND VALVE BOX SET VERTICALLY AND PLACED IN THE LINE AS INDICATED. LOCATE THE VALVE ADJACENT TO THE ANCHORING TEE ON THE MAIN. PROVIDE GATE VALVE AND VALVE BOXES FOR HYDRANT BRANCHES CONFORMING TO 638.13.

AFTER HYDRANTS HAVE BEEN SET, OPEN BRANCH AND HYDRANT VALVES UNTIL WATER FLOW EXPELS ALL AIR AND DIRT.

THE DEPARTMENT WILL MEASURE 6" FIRE HYDRANT ASSEMBLIES COMPLETE BY THE NUMBER OF EACH.

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT UNIT PRICES AS FOLLOWS:

ITEM SPECIAL 6" FIRE HYDRANT, LCDU STANDARD, EACH

**SANITARY**

**SANITARY GENERAL**

1. ALL SANITARY SEWER WORK SHALL BE PREFORMED IN ACCORDANCE WITH ITEM 611, THE LAKE COUNTY DEPARTMENT OF UTILITIES (LCDU) RULES AND REGULATIONS, LATEST EDITION AND PLAN DETAILS. WHERE A CONFLICT BETWEEN THE SPECIFICATIONS ARISES, THE LAKE COUNTY DEPARTMENT OF UTILITIES RULES AND REGULATIONS, LATEST EDITION WILL PREVAIL. THE LAKE COUNTY DEPARTMENT OF UTILITIES RULES AND REGULATIONS CAN BE FOUND AT THE FOLLOWING WEB ADDRESS: [www.lakecountyohio.gov/utilities/rules-and-regulations/](http://www.lakecountyohio.gov/utilities/rules-and-regulations/)

2. ONLY WATER/SEWER CONTRACTORS LICENSED BY THE LAKE COUNTY BOARD OF COMMISSIONERS MAY INSTALL SANITARY SEWERS.

3. THE CONTRACTOR SHALL NOTIFY THE LCDU AT LEAST 48 HOURS IN ADVANCE OF ANY WORK IN THEIR SYSTEMS.

4. THE LCDU SHALL PERFORM INSPECTION SERVICES. THE COST OF INSPECTION SHALL BE INCLUDED AS PART OF THIS CONSTRUCTION PROJECT AT THE CURRENT BASE RATE AS ESTABLISHED BY THE LAKE COUNTY BOARD OF COMMISSIONERS (SEE LAKE COUNTY UTILITIES DEPARTMENT RULES AND REGULATIONS SECTION 7 FEE SCHEDULE) COST FOR LAKE COUNTY INSPECTION FEE. AND OTHER FEES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR OTHER WATERLINE ITEMS.

5. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED

**ITEM 611 MANHOLE ADJUSTED TO GRADE. AS PER PLAN**

CAREFULLY REMOVE THE EXISTING COVER AND INSTALL PRECAST CONCRETE GRADE RING TO THE NEW GRADE.

ALL MANHOLES ADJUSTED TO GRADE SHALL HAVE EXTERNAL MANHOLE CHIMNEY SEALS AS LISTED IN THE LCDU SANITARY APPROVED MATERIALS LIST OF HE LAKE COUNTY UTILITIES DEPARTMENT RULES AND REGULATIONS, LATEST EDITION

ALL BRICK WORK ABOVE THE MANHOLE CONE SECTION SHALL BE REPLACED AND A CHIMNEY SEAL SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.

THE DEPARTMENT WILL MEASURE MANHOLES RECONSTRUCTED OR ADJUSTED TO GRADE, BY THE NUMBER OF EACH TYPE OF STRUCTURE COMPLETE AND ACCEPTED.

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICES AS FOLLOWS:

ITEM 611 MANHOLE ADJUSTED TO GRADE, AS PER PLAN, EACH

**TRAFFIC CONTROL**

**REMOVAL OF GROUND MOUNTED SIGN AND REERECTION. AS PER PLAN**

THE EXISTING SIGN AND SIGN POSTS SHALL BE CAREFULLY REMOVED AND STORED PRIOR TO THE CONSTRUCTION OF THE TEMPORARY PAVEMENT. THE SIGN AND SIGN POSTS SHALL BE RESTORED TO ITS ORIGINAL LOCATION AFTER THE TEMPORARY PAVEMENT HAS BEEN REMOVED. ANY DAMAGE TO THE SIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

**ITEM 621 - RAISED PAVEMENT MARKER REMOVED**

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS WORK:

ITEM 621, RAISED PAVEMENT MARKER REMOVED 1225 EACH

CALCULATED  
TJS  
CHECKED  
JMP

GENERAL NOTES

LAK-US-20-19.59  
PART 1

27  
1253

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**ITEM 614. MAINTAINING TRAFFIC**

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON NORTH RIDGE ROAD (U.S. 20) BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, ITEM 615 ROADS FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410 AND 614.

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES ON NARROWS ROAD, BLACKMORE ROAD, PERRY PARK ROAD, PARMLY ROAD, RED MILL VALLEY ROAD, CALL ROAD AND ANTIOCH ROAD, EXCEPT FOR A PERIOD NOT TO EXCEED 14 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS 34-40. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$300 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

THE FOLLOWING ESTIMATED QUANTITIES AND THE QUANTITIES IN THE TABLE BELOW HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 608 TEMPORARY ASPHALT CONCRETE WALK 45,200 SF  
 ITEM 615 ROADS FOR MAINTAINING TRAFFIC LUMP SUM  
 ITEM 616, WATER 100 M. GAL.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

**NOTICE OF CLOSURE SIGN**

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED SIDE STREET CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. (AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.)

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

**PLACEMENT OF ASPHALT CONCRETE**

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

**TRENCH FOR WIDENING**

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

**OVERNIGHT TRENCH CLOSING**

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 4 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER. THESE REQUIREMENTS APPLY TO ALL PERMANENT AND TEMPORARY PAVEMENT NOT PROTECTED BY BARRIER.

**EARTHWORK FOR MAINTAINING TRAFFIC**

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLAN FOR INFORMATION ONLY:

EXCAVATION FOR MAINTAINING TRAFFIC 900 CU. YD.  
 EMBANKMENT FOR MAINTAINING TRAFFIC 900 CU. YD.

WHEN UNDERCUTS ARE NECESSARY FOR MAINLINE PAVEMENT OR EMBANKMENT CONSTRUCTION, EVALUATE THE NEED FOR TEMPORARY ROAD UNDERCUTS IF WITHIN A CLOSE PROXIMITY TO THE MAINLINE UNDERCUTS. A GEOTECHNICAL EVALUATION SHOULD BE CONSIDERED TO DETERMINE IF THE EXISTING SOIL CONDITIONS ARE ADEQUATE TO SUPPORT THE TEMPORARY ROAD. ADDITIONAL SOIL BORINGS ALONG THE TEMPORARY ROAD ARE NOT NORMALLY REQUIRED. ANY UNDERCUT SHALL BE FILLED THE SAME DAY AS THE EXCAVATION.

**WORK ZONE MARKINGS (WINTER APPLICATION)**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF C&MS 614.11. MARKINGS SHALL BE APPLIED ON ROADWAY AFFECTED BY PHASE 1, PHASE 2, PHASE 3 AND PHASE 4 CONSTRUCTION:

WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT 11.18 MILE  
 WORK ZONE CENTER LINE, CLASS I, 642 PAINT 6.62 MILE  
 WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT 1.28 MILE  
 WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT 3156 FT  
 WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT 742 FT  
 WORK ZONE STOP LINE, CLASS I, 642 PAINT 693 FT  
 WORK ZONE CROSSWALK LINE, CLASS I, 24", 642 PAINT 2665 FT  
 WORK ZONE ARROW, CLASS I, 642 PAINT 72 EACH

**WORK ZONE MARKINGS (PRE-FINAL APPLICATION)**

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF C&MS 614.11. MARKINGS SHALL BE APPLIED AFTER RESURFACING AT THE END OF THE PROJECT AND PRIOR TO FINAL STRIPING APPLICATION:

WORK ZONE LANE LINE, CLASS III, 4" 642 PAINT 10.63 MILE  
 WORK ZONE CENTER LINE, CLASS III, 642 PAINT 6.39 MILE  
 WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT 2.53 MILE  
 WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT 4463 FT  
 WORK ZONE DOTTED LINE, CLASS III, 4", 642 PAINT 800 FT  
 WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT 571 FT  
 WORK ZONE STOP LINE, CLASS III, 642 PAINT 572 FT  
 WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT 2034 FT  
 WORK ZONE ARROW, CLASS III, 642 PAINT 60 EACH  
 WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT 37 SF  
 CHEVRON MARKING, TYPE I 225 FEET

**ITEM 614. WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL OR BIDIRECTIONAL)**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NONGATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

**ITEM 614. WORK ZONE TRAFFIC SIGNAL**

THE ADDITION OF TEMPORARY TRAFFIC SIGNALS AND EQUIPMENT AND MODIFICATIONS TO EXISTING TRAFFIC SIGNALS AND EQUIPMENT SHALL BE PAID FOR UNDER THE UNIT PRICE BID FOR ITEM 614 WORK ZONE TRAFFIC SIGNAL AT THE FOLLOWING INTERSECTIONS:

- PHASE 1: CENTER ROAD, TOWNLINE ROAD
- PHASE 2: CENTER ROAD, TOWNLINE ROAD
- PHASE 5: LANE ROAD
- PHASE 6: LANE ROAD

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS WORK:

ITEM 614, WORK ZONE TRAFFIC SIGNAL 24 EACH

**DUST CONTROL**

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 1000 M. GAL.

**ITEM 614. PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN**

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS ARE SHOWN ON SHEET 30 OF THE PLANS. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

(THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WITHIN 6 HOURS FOLLOWING TELEPHONE NOTIFICATION FROM THE PROJECT ENGINEER TO A DESIGNATED PHONE.)

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

(THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS) ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.) THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE, AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 120 SIGN MONTH (ASSUMING 5 PCMS SIGNS FOR 24 MONTHS)

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**MAINTENANCE OF TRAFFIC SIGNAL/FLASHER INSTALLATION**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC SIGNAL/FLASHER INSTALLATIONS WITHIN THE PROJECT UNDER THE FOLLOWING CONDITIONS:

- EXISTING SIGNAL/FLASHER INSTALLATIONS WHICH THE PLANS REQUIRE THE CONTRACTOR TO ADJUST, MODIFY, ADD ONTO OR REMOVE, OR WHICH THE CONTRACTOR ACTUALLY ADJUSTS, MODIFIES OR OTHERWISE DISTURBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE INSTALLATION (AT AN INTERSECTION) FROM THE TIME HIS OPERATIONS FIRST DISTURB THE INSTALLATION UNTIL THE INSTALLATION HAS BEEN SUBSEQUENTLY REMOVED OR MODIFIED AND THE WORK IS ACCEPTED.
- NEW OR REUSED SIGNAL/FLASHER INSTALLATIONS OR DEVICES, INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THESE FROM THE TIME OF INSTALLATION UNTIL THE WORK IS ACCEPTED.

THE CONTRACTOR SHALL CORRECT AS QUICKLY AS POSSIBLE ALL OUTAGES OR MALFUNCTIONS. HE SHALL PROVIDE THE MAINTAINING AGENCY AND THE ENGINEER SUCH ADDRESSES AND PHONE NUMBERS WHERE HIS MAINTENANCE FORCES CAN BE CONTACTED. THE CONTRACTOR SHALL PROVIDE ONE OR MORE PERSONS TO RECEIVE ALL CALLS AND DISPATCH THE NECESSARY MAINTENANCE FORCES TO CORRECT OUTAGES. SUCH A PERSON OR PERSONS MAY BE USED TO PERFORM OTHER DUTIES AS LONG AS PROMPT ATTENTION IS GIVEN TO THESE CALLS AND A PERSON IS READILY AVAILABLE CONTINUOUSLY 24 HOURS A DAY, 7 DAYS A WEEK. ALL LAMP OUTAGES, CABLE OUTAGES, ELECTRICAL FAILURES, EQUIPMENT MALFUNCTIONS AND MISALIGNED SIGNAL HEADS SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK TO SERVICE WITHIN FOUR HOURS AFTER THE CONTRACTOR HAS BEEN NOTIFIED OF THE OUTAGE.

IN THE EVENT NEW SIGNALS ARE DAMAGED PRIOR TO ACCEPTANCE, ALL DAMAGED EQUIPMENT EXCEPT POLES AND CONTROL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK IN SERVICE WITHIN 8 HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE OUTAGE. THE CONTRACTOR SHALL ARRANGE FOR FULL TRAFFIC CONTROL UNTIL THE SIGNAL IS BACK IN OPERATION.

IF POLES AND/OR CONTROL EQUIPMENT ARE DAMAGED AND MUST BE REPLACED, THE CONTRACTOR SHALL MAKE TEMPORARY REPAIRS AS NECESSARY TO BRING THE SIGNAL BACK INTO FULL OPERATION WITHIN THE ALLOWED 8-HOUR PERIOD, AND SHALL MAKE PERMANENT REPAIRS OR REPLACEMENT AS SOON THEREAFTER AS POSSIBLE.

NONE OF THE ABOVE SHALL BE CONSTRUED AS COLLECTIVE OR CONSECUTIVE OUTAGE TIME PERIODS AT ANY ONE LOCATION. THAT IS, WHERE MORE THAN ONE OUTAGE OCCURS AT ANY ONE LOCATION THEN THE ALLOTTED TIME LIMIT SHALL BE FOR THE WORST SINGLE OUTAGE.

WHERE OUTAGES ARE THE DIRECT RESULT OF A VEHICLE ACCIDENT THE RESPONSE OF THE CONTRACTOR SHALL BE AS OUTLINED ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTION OF ANY COMPENSATION FOR THIS WORK FROM THOSE PARTIES RESPONSIBLE FOR THE DAMAGE.

WHERE THE CONTRACTOR HAS FAILED TO, OR CANNOT RESPOND TO, AN OUTAGE OR SIGNAL EQUIPMENT MALFUNCTION, AT THESE LOCATIONS WITHIN HIS RESPONSIBILITY, WITHIN PERIODS AS SPECIFIED ABOVE, THE ENGINEER MAY INVOKE THE PROVISIONS OF SECTION 105.15 AND ANY SUBSEQUENT BILLINGS TO THE STATE OR THE VILLAGE OF NORTY PERRY FOR POLICE SERVICES AND MAINTENANCE SERVICES BY CITY FORCES SHALL BE DEDUCTED FROM MONIES DUE OR TO BECOME DUE THE CONTRACTOR IN ACCORDANCE WITH PROVISIONS OF SECTION 105.15.

THE CONTRACTOR SHALL PROVIDE THE MAINTENANCE SERVICE ENTIRELY WITH HIS FORCES OR HE MAY CHOOSE TO ENTER INTO A COOPERATIVE UNDERSTANDING WITH THE LOCAL MAINTAINING AGENCY TO PROVIDE THE MAINTENANCE. THE CONTRACTOR SHALL INFORM THE ENGINEER, IN WRITING, OF THE MAINTENANCE METHOD SELECTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY TRAFFIC SIGNAL COMPONENTS REQUIRED TO BE HANDLED DURING THE RELOCATION OF POLES AND REVISIONS TO THE SIGNAL SYSTEM. WHEN A TRAFFIC SIGNAL MUST BE TAKEN OUT OF SERVICE BY THE CONTRACTOR, DUE TO CONSTRUCTION PROCEDURES, THIS OUTAGE SHALL NOT EXCEED 4 HOURS AND SHALL NOT INCLUDE THE HOURS OF 7 AM TO 9 AM OR 3 PM TO 6 PM. ANY SIGNALIZED INTERSECTION, WHERE THE SIGNAL IS OUT OF SERVICE DUE TO CONSTRUCTION PROCEDURES, OR DUE TO AN OUTAGE OR MALFUNCTION OF EQUIPMENT AS DESCRIBED ABOVE, SHALL BE PROTECTED, BY THE CONTRACTOR, BY THE INSTALLATION OF TEMPORARY "STOP" SIGNS, EXCEPT FOR THE FOLLOWING INTERSECTIONS WHICH SHALL BE PROTECTED BY OFF-DUTY VILLAGE OF NORTH PERRY POLICE, HIRED BY THE CONTRACTOR:

- LANE ROAD
- CENTER ROAD
- TOWNLINE ROAD

ANY VEHICULAR TRAFFIC SIGNAL HEAD, EITHER NEW OR EXISTING WHICH WILL BE OUT OF OPERATION SHALL BE COVERED IN THE MANNER DESCRIBED IN 632.25.

THE CONTRACTOR SHALL MAINTAIN COMPLETE RECORDS OF MALFUNCTIONS INCLUDING:

- TIME OF NOTIFICATION OF MALFUNCTION;
- TIME OF WORK CREWS ARRIVAL TO CORRECT THE MALFUNCTION;
- ACTIONS TAKEN TO CORRECT THE MALFUNCTION, INCLUDING A LIST OF PARTS REPAIRED OR REPLACED;
- A DIAGNOSIS OF REASON FOR THE MALFUNCTION AND PROBABILITY OF REOCCURRENCE;
- TIME OF COMPLETION OF THE REPAIR AND SYSTEM RESTORED TO FULL SERVICE.

A COPY OF THESE RECORDS SHALL BE PROVIDED TO THE ENGINEER WITHIN THREE (3) WORKING DAYS FOLLOWING COMPLETION OF EACH REPAIR.

ALL COSTS RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

**ITEM 614 - BUSINESS ENTRANCE (M4-H15) SIGN, AS PER PLAN**

THE BUSINESS ENTRANCE (M4-H15) SIGN SHOULD BE PROVIDED AT EACH TEMPORARILY RELOCATED COMMERCIAL DRIVEWAY FOR WHICH THE RELOCATION IS NOT OBVIOUS TO THE MOTORIST. THE PROJECT ENGINEER SHALL DETERMINE WHETHER OR NOT THE DRIVEWAY RELOCATION IS, OR IS NOT, OBVIOUS AND WHETHER OR NOT A SIGN SHOULD BE PROVIDED. ONLY ONE SIGN PER BUSINESS SHALL BE PERMITTED. THE SIGN SHALL BE 36 INCH X 48 INCH IN SIZE WITH TYPE G OR TYPE H ORANGE RETROREFLECTIVE SHEETING. THE SIGN LEGEND SHALL BE PLACED ON BOTH SIDES OF THE SIGN (BACK TO BACK). THE SIGN SHALL HAVE THE STANDARD M4-H15 LEGEND WITH THE WORD "BUSINESS" ON THE TOP LINE, EXCEPT UNDER UNUSUAL CIRCUMSTANCES WHERE IT MAY NOT BE INTUITIVE THAT A DRIVEWAY SERVES A SPECIFIC BUSINESS. IN SUCH UNUSUAL CASES, THE ACTUAL BUSINESS NAME MAY BE SUBSTITUTED FOR THE WORD "BUSINESS".

THE SIGN SHALL BE MOUNTED ON TWO #3 POSTS OR ON TEMPORARY POSTS IN ACCORDANCE WITH SCD MT-105.10 AND IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. THE SIGN SHALL BE CLEARLY VISIBLE AND SHALL CLEARLY IDENTIFY THE LOCATION OF THE DRIVEWAY. THE SIGN SHOULD BE POSITIONED AT 90 DEGREES TO THE DIRECTION(S) OF TRAFFIC. THE SIGN MAY NEED TO BE MOVED FOR EACH PHASE OF THE MAINTENANCE OF TRAFFIC OPERATIONS.

PAYMENT FOR ALL COSTS ASSOCIATED WITH MANUFACTURING, MOUNTING, RELOCATING, AND REMOVING THE SIGN, INCLUDING ALL LABOR, MATERIALS AND EQUIPMENT SHALL BE INCLUDED IN THE CONTRACT PRICE PER EACH FOR ITEM 614-BUSINESS ENTRANCE SIGN.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR THIS ITEM:

ITEM 614, BUSINESS ENTRANCE SIGN, AS PER PLAN 120 EACH

**ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS**

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) MAY BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN A NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING THE SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 1200 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

**NOTIFICATION OF TRAFFIC RESTRICTIONS**

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CONTACTS LISTED BELOW IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME FRAME TABLE		
ITEM	DURATION OF CLOSURE	NOTIFICATION DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 weeks	21 BUSINESS DAYS PRIOR TO CLOSURE
	> 12 hours & < 2 weeks	14 BUSINESS DAYS PRIOR TO CLOSURE
	< 12 hours	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 weeks	14 BUSINESS DAYS PRIOR TO CLOSURE
	< 2 weeks	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

THE CONTRACTOR SHALL ALSO NOTIFY THE FOLLOWING CONTACTS PER THE CONDITIONS IN THE NOTE ABOVE:

MADISON TOWNSHIP POLICE:  
2065 HUBBARD ROAD  
MADISON, OHIO 44057  
440-428-2116  
ATTN: CHIEF MATTHEW BYERS

MADISON FIRE DISTRICT:  
840 RIVER STREET  
MADISON, OHIO 44057  
440-428-1522

MADISON TOWNSHIP SERVICE DEPT.:  
1747 HUBBARD ROAD  
MADISON, OHIO 44057  
440-428-4981  
PAUL COOK, SUPERVISOR

LAKE COUNTY SHERIFF:  
104 EAST ERIE STREET  
PAINESVILLE, OHIO 44077  
440-350-5590  
ATTN: SHERIFF FRANK LEONBRUNO

MADISON LOCAL SCHOOL DISTRICT:  
1956 RED BIRD ROAD  
MADISON, OHIO 44057  
440-428-2166  
ATTN: ANGELA SMITH, SUPERINTENDENT



**MAINTAINING DRIVEWAY ACCESS**

COMMERCIAL AND HANDICAP PROPERTIES: ACCESS TO ALL COMMERCIAL AND HANDICAP PROPERTY SHALL BE MAINTAINED AT ALL TIMES, AS FOLLOWS:

FOR PROPERTIES WITH MULTIPLE DRIVEWAYS: DRIVEWAY CONSTRUCTION WILL BE SCHEDULED SO THAT AT LEAST ONE ACCESS DRIVEWAY IS OPEN AND CLEAR WHILE THE OTHER DRIVEWAY(S) ARE BEING CONSTRUCTED.

FOR PROPERTIES WITH ONLY ONE ACCESS: IF THE PROPERTY CANNOT BE WITHOUT ACCESS TEMPORARILY (SUCH AS OUTSIDE OF NORMAL BUSINESS HOURS OR OVER THE WEEKEND), ACCESS TO THE PROPERTY SHALL BE MAINTAINED AS FOLLOWS:

THE PAVEMENT IN FRONT OF THE DRIVEWAY SHALL BE REMOVED AND TRAFFIC COMPACTED SURFACE FURNISHED, INSTALLED, AND COMPACTED ON TOP OF THE EXPOSED SUBGRADE. THIS WORK SHALL BE PERFORMED IN ONE OPERATION SO THAT THE DISRUPTION TO THE PROPERTY IS KEPT AT AN ABSOLUTE MINIMUM. THE CONTRACTOR WILL MAINTAIN THE RAMP AND REPLACE MATERIAL AS NECESSARY.

THE INSTALLATION OF THE PROPOSED DRIVEWAY AND THE CONCRETE PAVEMENT IN FRONT OF THE DRIVEWAY SHALL BE PERFORMED AS ONE OPERATION. IF THE DRIVEWAY IS MORE THAN 20 FEET WIDE, CONSTRUCTION ON THE DRIVEWAY AND PAVEMENT MAY BE IN TWO (2) PHASES, WITH ONE HALF OF THE DRIVE REMAINING OPEN WHILE THE OTHER HALF IS CLOSED AND BEING CONSTRUCTED. FOR DRIVEWAYS LESS THAN 20 FEET WIDE, THE DRIVEWAY AND CONCRETE PAVEMENT SHALL BE CONSTRUCTED USING CLASS MS CONCRETE.

IN LOCATIONS WHERE A DRIVEWAY TO A PARKING LOT IS CLOSED TO TRAFFIC, THE DRIVE SHALL HAVE PROPER PROTECTION, SUCH AS SIGNS, FENCING, BARRICADES, AND DRUMS, PLACED AND MAINTAINED AROUND IT.

WHERE DIRECTED BY THE ENGINEER, ONE (1) BUSINESS ENTRANCE SIGN (M4-H15) SIGN SHALL BE PROVIDED, INSTALLED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR AT AFFECTED COMMERCIAL DRIVEWAYS. THE SIGN SHALL BE 36 INCH X 48 INCH IN SIZE WITH TYPE G OR TYPE H ORANGE RETROREFLECTIVE SHEETING AND BE MOUNTED ON TWO #3 POSTS OR ON TEMPORARY POSTS IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING MT-105.10. THE SIGN SHALL HAVE THE STANDARD M4-H15 LEGEND, EXCEPT THAT THE ACTUAL BUSINESS NAME SHALL BE SUBSTITUTED FOR THE WORD "BUSINESS."

RESIDENTIAL PROPERTIES: THE CONTRACTOR SHALL MAKE REASONABLE PROVISIONS TO ALLOW RESIDENTIAL ACCESS AT ALL TIME OR OTHERWISE ALLOW RESIDENTS TO PARK SAFELY WITHIN THE PROJECT LIMITS WHEN ACCESS IS NOT POSSIBLE. THE MAXIMUM OUT OF SERVICE TIME FOR ANY RESIDENTIAL DRIVE SHALL BE ONE (1) DAY. RESIDENTIAL ACCESS SHALL BE MAINTAINED USING THE FOLLOWING PROCEDURES, AS DIRECTED BY THE ENGINEER:

AFTER THE EXISTING PAVEMENT AND CURB HAVE BEEN REMOVED, THE CONTRACTOR SHALL IMMEDIATELY MAINTAIN VEHICULAR ACCESS TO THE DRIVEWAY USING ITEM 410, TRAFFIC COMPACTED SURFACE, BETWEEN THE PAVEMENT AND THE DRIVEWAY. STEEL PLATES MAY ALSO BE USED.

WHILE THE CONCRETE PAVEMENT AND CURB IS BEING INSTALLED AND IS CURING, THE CONTRACTOR SHALL PROVIDE PARKING AREAS SAFELY WITHIN THE PROJECT WORK LIMITS OR ALONG ADJACENT SIDE STREETS. DURING THIS TIME, THE EXISTING SIDEWALKS BETWEEN THE SIDE STREETS SHALL REMAIN IN SERVICE FOR ACCESS FROM THE PARKING AREA TO THE PROPERTY.

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PLAN, FOR THE APPROVAL OF THE ENGINEER, WHICH OUTLINES HIS/HER STRATEGY FOR THE MAINTENANCE OF SAFE ACCESS TO COMMERCIAL, HANDICAP AND RESIDENTIAL PROPERTY AND/OR FOR ALLOWING RESIDENTS TO PARK SAFELY WITHIN THE PROJECT LIMITS WHEN ACCESS IS NOT POSSIBLE.

THE PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED TO MAINTAIN COMMERCIAL, HANDICAP AND RESIDENTIAL ACCESS AND/OR SAFE PARKING AREAS FOR RESIDENTS, INCLUDING COMPACTED AGGREGATE SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC; EXCEPT FOR THE SEPARATELY ESTIMATED ITEMS/QUANTITIES ADDITIONALLY PROVIDED IN THE PLANS FOR MAINTAINING TRAFFIC (ACCESS).

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC OF DRIVEWAYS:

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B 3860 CU. YD.

ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC 1900 CU. YD.

**EXISTING SIGNS**

IN ANY PHASE, WHEN A MAINTENANCE OF TRAFFIC SIGN CONTRADICTS AN EXISTING SIGN, THE EXISTING SIGN SHALL BE COVERED. ALL OTHER SIGNS SHALL BE MAINTAINED DURING CONSTRUCTION AND RELOCATED NEARBY IF NECESSARY.

**LAKETRAN BUS STOPS**

LAKETRAN BUS STOPS SHALL BE MAINTAINED DURING ALL PHASES OF CONSTRUCTION. EXISTING BUS STOP SIGNS SHALL BE MOVED TO A NEARBY LOCATION IF NECESSARY. ALL BUS STOP SIGNS SHALL BE MAINTAINED AND RELOCATED AS NECESSARY.

**MAIL BOXES**

MAIL BOXES SHALL BE CAREFULLY RELOCATED AS NECESSARY BY THE CONTRACTOR DURING CONSTRUCTION SO THAT THEY ARE ACCESSIBLE TO MAIL DELIVERY TRUCKS. ANY DAMAGE TO THE MAILBOX SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DAMAGED MAILBOXES SHALL BE REPLACED BY THE CONTRACTOR IN KIND.

**ITEM 611 CATCH BASIN. NO. 6. AS PER PLAN**

THIS ITEM INCLUDES THE REMOVAL AND DISPOSAL OF THE CATCH BASIN AFTER THE MAINTENANCE OF TRAFFIC PHASE IN WHICH IT IS USED IS COMPLETE.

**ITEM 611 12" CONDUIT, TYPE B, AS PER PLAN  
ITEM 611 15" CONDUIT, TYPE B, AS PER PLAN  
ITEM 611 24" CONDUIT, TYPE B, AS PER PLAN**

THIS ITEM INCLUDES THE REMOVAL OF THE CONDUIT, OR ABANDONEMENT OF THE CONDUIT IF THE CONDUIT HAS BEEN PLACED UNDER PERMANENT PAVEMENT, AFTER THE MAINTENANCE OF TRAFFIC PHASE IN WHICH IT IS USED HAS BEEN COMPLETED. THE ABANDONED CONDUIT SHALL BE FILLED AND PLUGGED AS PER THE ITEM SPECIAL-FILL AND PLUG EXISTING CONDUIT NOTE SHOWN ON SHEET 24.

**ITEM 611 CATCH BASIN RECONSTRUCTED TO GRADE. AS PER PLAN  
ITEM 611 INLET RECONSTRUCTED TO GRADE. AS PER PLAN**

WHEN RECONSTRUCTING CATCH BASINS AND INLETS TO GRADE FOR THE PURPOSE OF MAINTAINING TRAFFIC, FOLLOW THE PROCEDURE BELOW.

- CAREFULLY REMOVE AND CLEAN THE EXISTING CASTINGS.
- REMOVE EXISTING WALLS OF CATCH BASINS AND INLETS BELOW THE GRATES TO THE DEPTH NECESSARY FOR PLACEMENT OF TEMPORARY PAVEMENT, OR ANY POINTS OF WALL FAILURE.
- INSTALL A 1-1/4 INCH MINIMUM STEEL ROAD PLATE AS SHOWN IN THE TEMPORARY DRAINAGE DETAIL.
- WHERE EXISTING BASINS WILL NOT BE REMOVED IN A LATER PHASE OF THE CONTRACT, REMOVE THE ROAD PLATE AND USING THE SALVAGED CASTING, RECONSTRUCT THE STRUCTURE TO THE ORIGINAL PLAN GRADE, CONFORMING AS NEARLY AS PRACTICABLE TO THE EXISTING DIMENSION AND TYPE OF CONSTRUCTION.

**ITEM 606 - GUARDRAIL, TYPE MGS, AS PER PLAN  
ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)  
ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN**

GUARDRAIL AND ANCHOR ASSEMBLIES INSTALLED FOR MAINTAINING TRAFFIC SHALL BE REMOVED AND DISPOSED OF AFTER COMPLETION OF THE PHASE IN WHICH THEY WERE CONSTRUCTED AND USED.

**ITEM 614 - DETOUR SIGNING**

SIZE AND PLACEMENT OF DETOUR SIGNS (M4-9) SHOULD FOLLOW THE REQUIREMENTS OF THE ODOT SECTION 6F.03, SECTION 2A.11 AND TABLE 6F.01.

DETOUR SIGNING SHALL PROVIDE DRIVERS ADEQUATE TIME TO CLEARLY READ THE SIGNS AND MAKE THE PROPER DECISIONS AT EACH REQUIRED TURNING MOVEMENT. THE DESIGNATED DETOUR ROUTE SHALL BE SIGNED IN ACCORDANCE WITH THE REQUIREMENTS BELOW:

- APPROXIMATELY 1500 FEET PRIOR TO TIP OF THE PAINTED GORE AT AN INTERCHANGE WHEN EXITING A HIGH SPEED (45 MPH OR HIGHER) FACILITY.
- AT OR NEAR THE EXISTING SIGN IN THE GORE OF AN INTERCHANGE RAMP.
- AT OR NEAR THE FIRST EXISTING LANE ASSIGNMENT SIGN ON AN INTERCHANGE EXIT RAMP.
- AT OR NEAR THE EXISTING LANE ASSIGNMENT SIGN OR EXISTING ROUTE MARKER AT THE END OF AN EXIT RAMP.
- APPROXIMATELY 500 FEET PRIOR TO A REQUIRED TURN AT AN INTERSECTION NOT CONTROLLED BY A STOP SIGN (FOR 45 MPH OR HIGHER ONLY).
- AT OR NEAR THE EXISTING LANE ASSIGNMENT SIGN OR EXISTING ROUTE MARKER AT AN INTERSECTION.
- EVERY TWO MILES ALONG A TANGENT SECTION BETWEEN TURNING MOVEMENTS OUTSIDE A CITY.
- EVERY TWO BLOCKS ALONG A TANGENT SECTION BETWEEN TURNING MOVEMENTS WITHIN A CITY.
- AT ANY OTHER INTERSECTION OR DECISION POINT WHERE THE DETOUR ROUTE IS CONTRARY TO THE NORMAL, EXPECTED TURNING MANEUVER OR OTHERWISE UNCLEAR.

DETOUR SIGNS SHALL BE PLACED, WHEN POSSIBLE, NEXT TO BUT NOT BLOCKING EXISTING ROUTE MARKERS OR LANE ASSIGNMENT SIGNS. DETOUR SIGNS SHALL NOT OBSCURE OR BE OBSCURED BY OTHER EXISTING OR TEMPORARY SIGNS.

DETOUR SIGNS SHALL BE ERECTED AND/OR UNCOVERED PRIOR TO THE ROAD OR RAMP BEING CLOSED TO TRAFFIC BUT NO EARLIER THAN FOUR HOURS PRIOR TO THE CLOSURE. DETOUR SIGNS SHALL BE COVERED AND/OR REMOVED NO LATER THAN FOUR HOURS FOLLOWING THE ROAD OR RAMP RE-OPENING TO TRAFFIC.

PAYMENT FOR ACCEPTED QUANTITIES WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL BE FOR ALL MATERIALS, LABOR, INCIDENTALS AND EQUIPMENT FOR FURNISHING, PROPER SIGN PLACEMENT AND SIZING, TIMELY ERECTING AND/OR UNCOVERING OF SIGNS, MAINTAINING SIGNS, AND TIMELY COVERING AND/OR REMOVING SIGNS AND SUPPORTS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.  
ITEM 614 - DETOUR SIGNING LUMP SUM

**ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN**

ANY ASPHALT CURBS THAT ARE CONSTRUCTED ON TOP OF THE TEMPORARY PAVEMENT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN. THE FLEXIBLE PAVEMENT OPTION SHALL BE USED.

**BEGIN CONSTRUCTION DATE**

CONSTRUCTION SHALL NOT BEGIN UNTIL FEBRUARY 1, 2026 UNLESS APPROVED BY THE DISTRICT.

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MAINTENANCE OF TRAFFIC GENERAL NOTES

LAK-US-20-19.59  
PART 1

**MAINTENANCE OF TRAFFIC NARRATIVE**

THIS PROJECT HAS BEEN DIVIDED INTO TWO PARTS: PART 1 AND PART 2. PART 2 (LAK-US-20-24.99) IS A TWO YEAR PROJECT AND SHALL BE BUILT FIRST. PART 1 (LAK-US-20-19.59) IS A THREE YEAR PROJECT AND SHALL BE BUILT SECOND. WITHIN EACH OF THESE PARTS, PHASES SHOULD BE CONSTRUCTED FROM EAST TO WEST PER THE CONSTRUCTION SEQUENCES. CONSTRUCTION OF TEMPORARY PAVEMENT SHALL ONLY OCCUR IN THE PHASE WHERE IT IS IMMEDIATELY NEEDED. NO CONSTRUCTION SHALL OCCUR DURING THE WINTER MONTHS.

**SEQUENCE OF CONSTRUCTION**

PRE-PHASE 1A:

1. CONSTRUCT THE TEMPORARY PAVEMENT BETWEEN STA. 250+00 TO STA. 257+00, RT.
2. CONSTRUCT THE LEFT HALF OF THE CULVERT AT STA. 253+86.
3. CONSTRUCT THE TEMPORARY PAVEMENT BETWEEN STA. 247+00 TO STA. 260+50, LT.

PRE-PHASE 1B:

1. CONSTRUCT THE RIGHT HALF OF THE CULVERT AT STA. 253+86.

PRE-PHASE 1C:

1. CONSTRUCT THE TEMPORARY PAVEMENT AND TEMPORARY DRAINAGE BETWEEN STA. 283+46.3 AND STA. 402+72.3.

PRE-PHASE 1 SHALL BE COMPLETED BY APRIL 1, 2026.

PHASE 1:

THIS PHASE WILL INVOLVE THE RECONSTRUCTION OF THE SOUTH SIDE OF U.S. 20 FROM CENTER ROAD (STA. 286+00) TO TOWNLINE ROAD (STA. 399+90). ONE (1) LANE OF WESTBOUND TRAFFIC AND ONE (1) LANE OF EASTBOUND TRAFFIC WILL BE MAINTAINED AT ALL TIMES ALONG THIS SECTION OF U.S. 20.

THE CONTRACTOR SHALL BE ALLOWED TO CLOSE EACH SIDE STREET FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT THE SIDE STREET REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE FOLLOWING IS A LIST OF SIDE STREETS TO BE CLOSED DURING THIS PHASE:

CALL ROAD STA. 332+79 RT SIDE STREET

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED.

PHASE 1 SHALL BE COMPLETED BY JULY 1, 2026.

PHASE 2:

THIS PHASE WILL INVOLVE THE RECONSTRUCTION OF THE NORTH SIDE OF U.S. 20 FROM CENTER ROAD (STA. 286+00) TO TOWNLINE ROAD (STA. 399+90). ONE (1) LANE OF WESTBOUND TRAFFIC AND ONE (1) LANE OF EASTBOUND TRAFFIC WILL BE MAINTAINED AT ALL TIMES ALONG THIS SECTION OF U.S. 20.

THE CONTRACTOR SHALL BE ALLOWED TO CLOSE EACH SIDE STREET FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT THE SIDE STREET REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE FOLLOWING IS A LIST OF SIDE STREETS TO BE CLOSED DURING THIS PHASE:

PARMLY ROAD	STA. 309+94 LT	SIDE STREET
RED MILL VALLEY ROAD	STA. 318+50 LT	SIDE STREET
ANTIOCH ROAD	STA. 357+71 LT	SIDE STREET

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME.

PLACE TEMPORARY STRIPING AS PER THE STRIPING PLAN AFTER CONSTRUCTION IS COMPLETE.

PEDESTRIAN TRAFFIC SHALL BE MAINTAINED.

PHASE 2 SHALL BE COMPLETED BY OCTOBER 15, 2026.

TRAFFIC TO RETURN TO NORMAL FOR WINTER BY NOVEMBER 1, 2026

PRE-PHASE 3:

CONSTRUCT THE CULVERT EXTENSION AT STA. 199+57.52, LT. CONSTRUCT THE TEMPORARY PAVEMENT AND TEMPORARY DRAINAGE BETWEEN STA. 182+20 AND STA. 273+30.

PRE-PHASE 3 SHALL BE COMPLETED BY APRIL 1, 2027.

PHASE 3:

THIS PHASE WILL INVOLVE THE RECONSTRUCTION OF THE SOUTH SIDE OF U.S. 20 FROM LANE ROAD (STA. 182+20) TO CENTER ROAD (STA. 273+30). ONE (1) LANE OF WESTBOUND TRAFFIC AND ONE (1) LANE OF EASTBOUND TRAFFIC WILL BE MAINTAINED AT ALL TIMES ALONG THIS SECTION OF U.S. 20.

THE FOLLOWING IS A LIST OF SIDE STREETS TO BE CONSTRUCTED UTILIZING PART-WIDTH CONSTRUCTION:

OHIO STREET STA. 219+68 RT

PEDESTRIAN TRAFFIC SHALL BE MAINTAINED.

PHASE 3 SHALL BE COMPLETED BY JULY 1, 2027.

PHASE 4:

THIS PHASE WILL INVOLVE THE RECONSTRUCTION OF THE NORTH SIDE OF U.S. 20 FROM LANE ROAD (STA. 182+20) TO CENTER ROAD (STA. 273+30). ONE (1) LANE OF WESTBOUND TRAFFIC AND ONE (1) LANE OF EASTBOUND TRAFFIC WILL BE MAINTAINED AT ALL TIMES ALONG THIS SECTION OF U.S. 20.

THE CONTRACTOR SHALL BE ALLOWED TO CLOSE EACH SIDE STREET FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT THE SIDE STREET REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE FOLLOWING IS A LIST OF SIDE STREETS TO BE CLOSED DURING THIS PHASE:

BLACKMORE ROAD	STA. 188+06 LT	SIDE STREET
PERRY PARK ROAD	STA. 229+21 LT	SIDE STREET

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME.

AFTER CONSTRUCTION IS COMPLETE, PLACE TEMPORARY STRIPING AS PER THE STRIPING PLAN.

PEDESTRIAN TRAFFIC SHALL BE MAINTAINED.

PHASE 4 SHALL BE COMPLETED BY OCTOBER 15, 2027.

TRAFFIC TO RETURN TO NORMAL FOR WINTER BY NOVEMBER 1, 2027

PRE-PHASE 5:

CONSTRUCT THE CULVERT EXTENSION AT STA. 149+38, LT. CONSTRUCT THE TEMPORARY PAVEMENT AND TEMPORARY DRAINAGE BETWEEN STA. 101+50 AND STA. 170+88.8.

PRE-PHASE 5 SHALL BE COMPLETED BY APRIL 1, 2028.

PHASE 5:

THIS PHASE WILL INVOLVE THE RECONSTRUCTION OF THE SOUTH SIDE OF U.S. 20 FROM BRIDGE OVER S.R. 2 EASTBOUND (STA. 101+75) TO LANE ROAD (STA. 168+10). ONE (1) LANE OF WESTBOUND TRAFFIC AND ONE (1) LANE OF EASTBOUND TRAFFIC WILL BE MAINTAINED AT ALL TIMES ALONG THIS SECTION OF U.S. 20.

THE FOLLOWING IS A LIST OF RAMPS TO BE CONSTRUCTED UTILIZING PART-WIDTH CONSTRUCTION:

S.R. 2 (EASTBOUND) STA. 108+07 RT

THE CONTRACTOR SHALL BE ALLOWED TO CLOSE EACH SIDE STREET FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT THE SIDE STREET REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE FOLLOWING IS A LIST OF SIDE STREETS TO BE CLOSED DURING THIS PHASE:

NARROWS RD. STA. 144+89 RT SIDE STREET

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME.

PEDESTRIAN TRAFFIC SHALL BE MAINTAINED.

PHASE 5 SHALL BE COMPLETED BY JULY 1, 2028.

PHASE 6:

THIS PHASE WILL INVOLVE THE RECONSTRUCTION OF THE NORTH SIDE OF U.S. 20 FROM BRIDGE OVER S.R. 2 EASTBOUND (STA. 101+75) TO LANE ROAD (STA. 168+10). ONE (1) LANE OF WESTBOUND TRAFFIC AND ONE (1) LANE OF EASTBOUND TRAFFIC WILL BE MAINTAINED AT ALL TIMES ALONG THIS SECTION OF U.S. 20.

THE FOLLOWING IS A LIST OF RAMPS TO BE CONSTRUCTED UTILIZING PART-WIDTH CONSTRUCTION:

S.R. 2 (WESTBOUND) STA. 105+16 LT

THE FOLLOWING IS A LIST OF SIDE STREETS TO BE CONSTRUCTED UTILIZING PART-WIDTH CONSTRUCTION:

BLASE NEMETH ROAD STA. 119+99 LT

AFTER CONSTRUCTION IS COMPLETE, PERFORM THE FOLLOWING WORK:

1. CONSTRUCT CONCRETE MEDIAN FROM STA. 109+50 TO STA. 119+00 PER THE PLANS.
2. PLACE TEMPORARY STRIPING AS PER THE STRIPING PLAN.

PEDESTRIAN TRAFFIC SHALL BE MAINTAINED.

PHASE 6 SHALL BE COMPLETED BY SEPTEMBER 15, 2028.

PHASE 7:

MILL OFF 1.5 INCHES OFF THE TOP COURSE OF PAVEMENT AND THEN FILL WITH ITEM 441 OR 442 ASPHALT CONCRETE SURFACE COURSE PER THE FINAL PAVEMENT BUILDUP SHOWN IN THE TYPICAL SECTIONS WHILE MAINTAINING TRAFFIC USING SCD MT-97.12 OVER THE ENTIRE PROJECT (NEWLY CONSTRUCTED PAVEMENT AND RESURFACING AREA. AFTER RESURFACING THE ENTIRE PROJECT SHALL BE RESTRIPIED PER THE STRIPING PLAN.

PEDESTRIAN TRAFFIC SHALL BE MAINTAINED.

PHASE 7 SHALL BE COMPLETED BY OCTOBER 15, 2028.

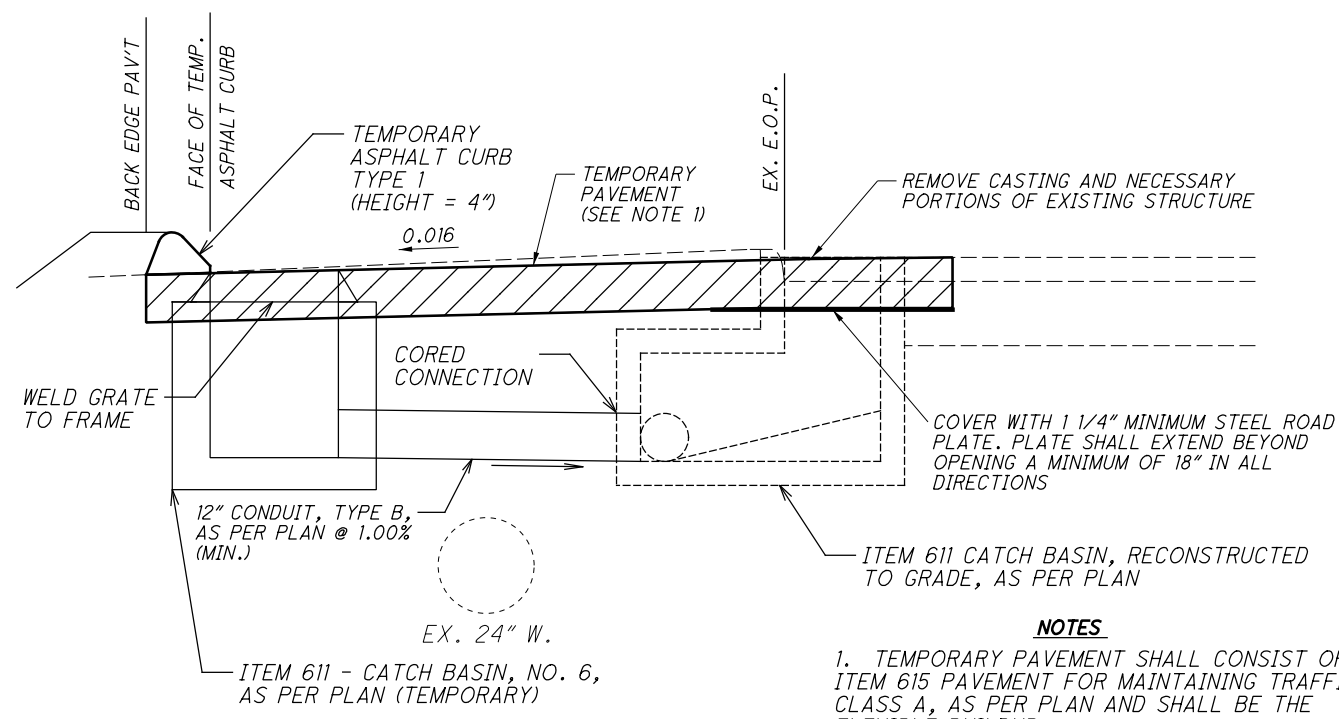
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EJT

MAINTENANCE OF TRAFFIC GENERAL NOTES

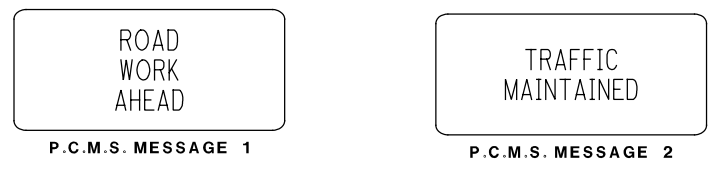
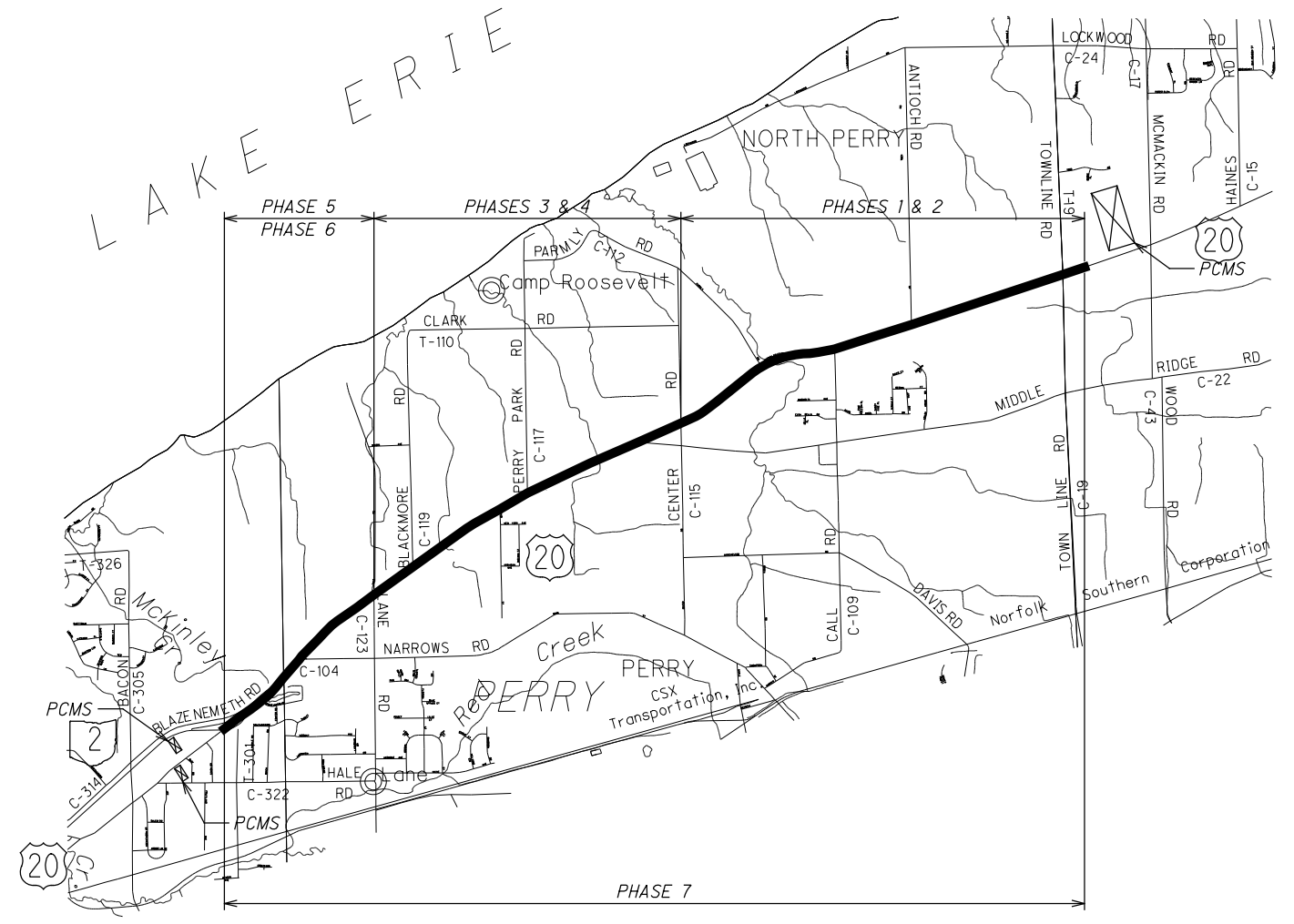
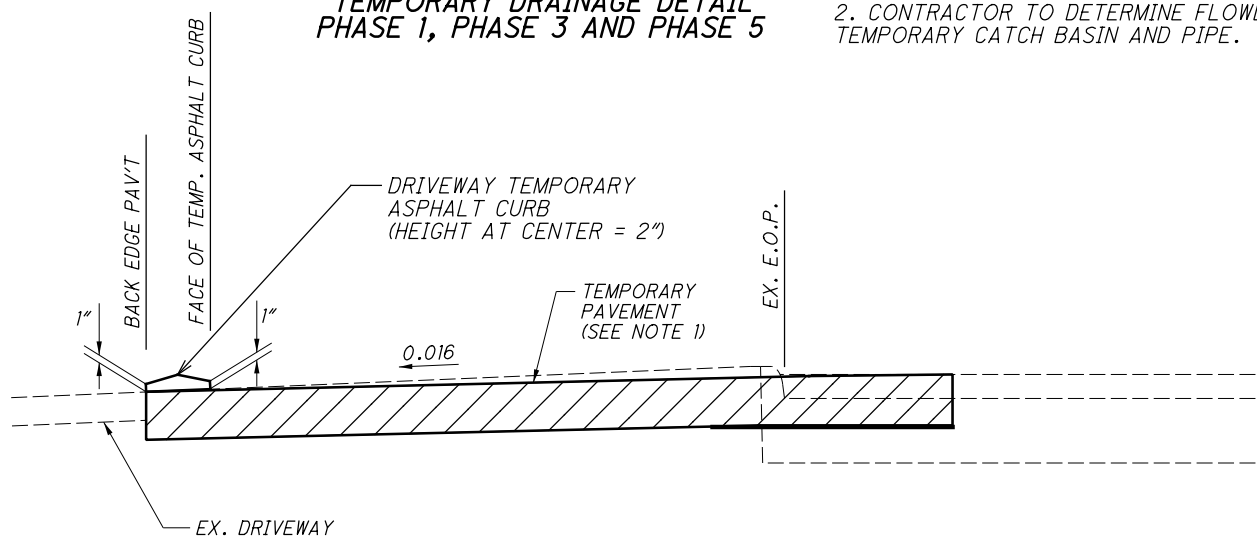
LAK-US-20-19.59  
PART 1

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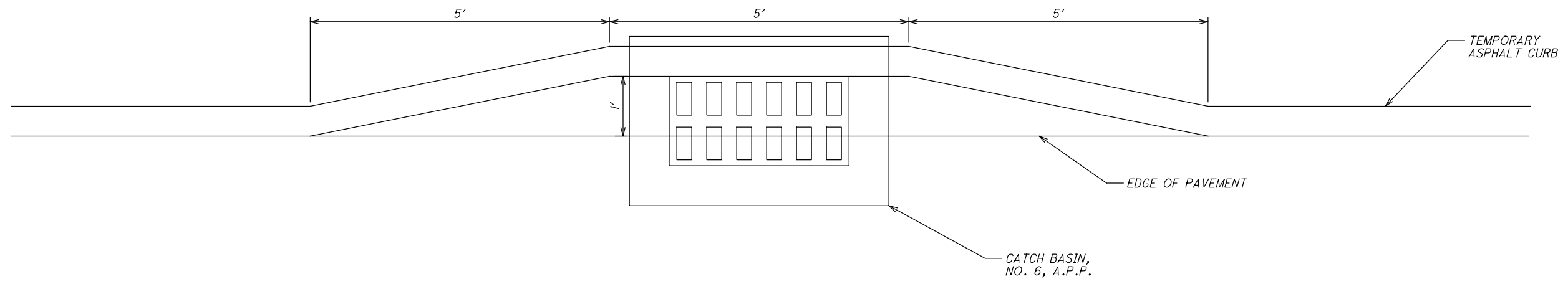
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- NOTES**
1. TEMPORARY PAVEMENT SHALL CONSIST OF ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN AND SHALL BE THE FLEXIBLE BUILDUP.
  2. CONTRACTOR TO DETERMINE FLOWLINE OF TEMPORARY CATCH BASIN AND PIPE.



PCMS LOCATION AND PHASING DETAIL



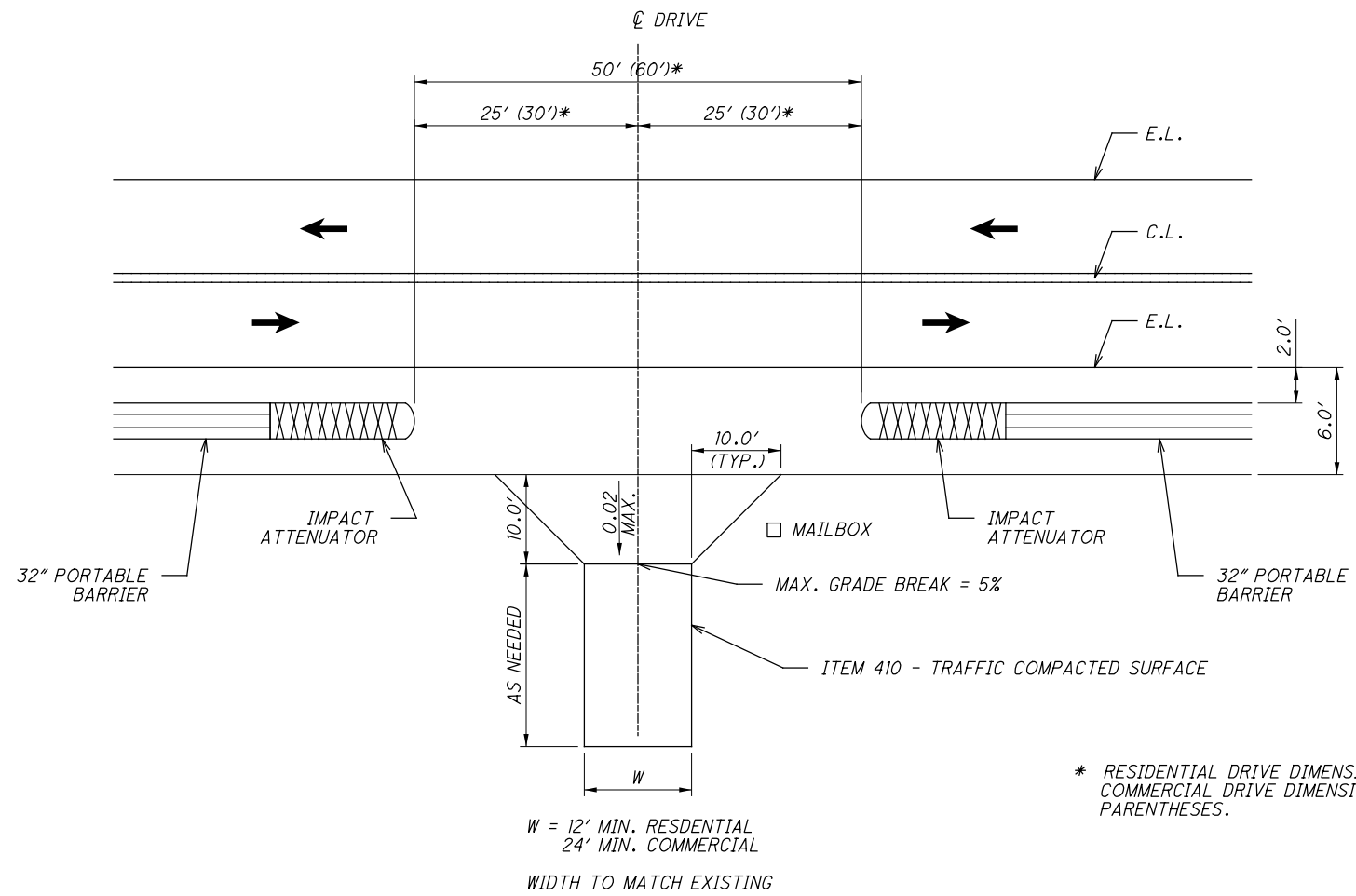
CATCH BASIN BUMPOUT DETAIL

CALCULATED  
JDC  
CHECKED  
EJT

**MAINTENANCE OF TRAFFIC GENERAL NOTES**

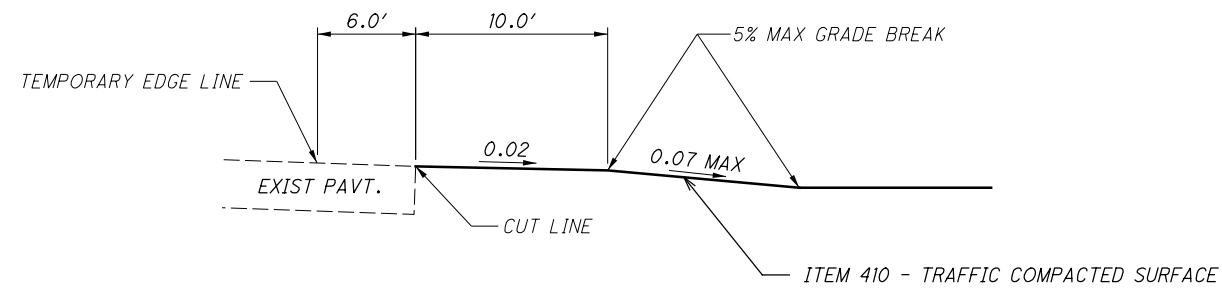
LAK-US-20-19.59  
PART 1

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\* RESIDENTIAL DRIVE DIMENSIONS SHOWN.  
COMMERCIAL DRIVE DIMENSIONS ARE IN PARENTHESES.

TEMPORARY DRIVE DETAIL



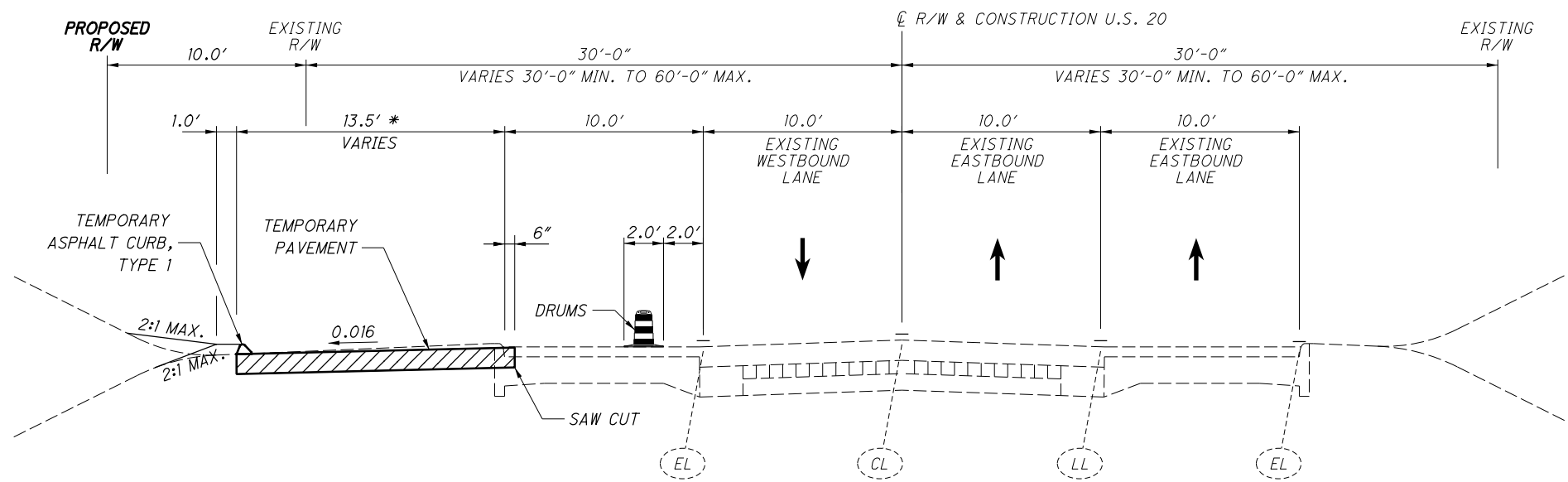
TEMPORARY DRIVE PROFILE

CALCULATED  
EJT  
CHECKED  
WDB

MAINTENANCE OF TRAFFIC MISCELLANEOUS DETAILS

LAK-US-20-19.59  
PART 1

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**PRE-PHASE 1**  
 \* TEMPORARY PAVEMENT:  
 VARIES FROM 0.0' TO 13.5' FROM STA 283+46.3 TO STA 287+94  
 VARIES FROM 13.5' TO 0.0' FROM STA 398+20 TO STA 402+72.3

**PRE-PHASE 3**  
 \* TEMPORARY PAVEMENT:  
 VARIES FROM 0.0' TO 13.5' FROM STA 179+42.6 TO STA 183+50  
 VARIES FROM 13.5' TO 0.0' FROM STA 270+79 TO STA 275+22.6

**PRE-PHASE 5**  
 \* TEMPORARY PAVEMENT:  
 VARIES FROM 8.0' TO 13.5' FROM STA 114+45.6 TO STA 117+50  
 VARIES FROM 13.5' TO 0.0' FROM STA 166+00 TO STA 170+88.8

**PRE-PHASE 1**  
 STA. 283+46.3 TO STA. 402+72.3

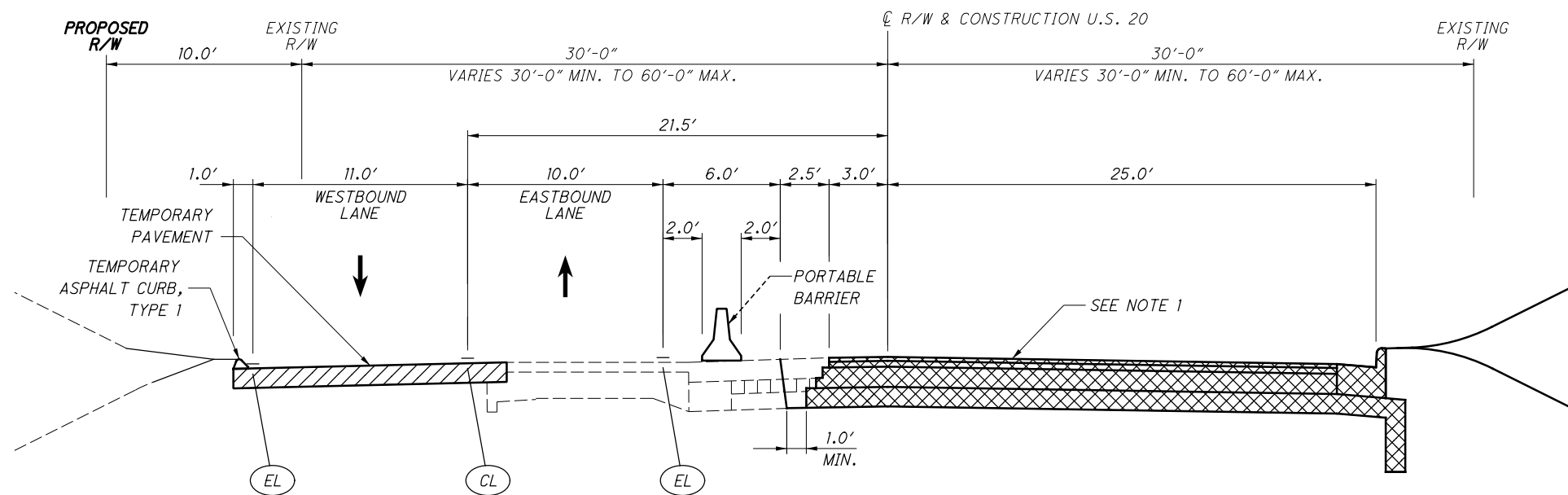
**PRE-PHASE 3**  
 STA. 179+42.6 TO STA. 275+22.6

**PRE-PHASE 5**  
 STA. 114+45.6 TO STA. 168+10

**LEGEND**

- (CL) EXISTING CENTER LINE
- (EL) EXISTING EDGE LINE
- (LL) EXISTING CHANNELIZING LINE
- ▨ PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- ← TRAFFIC FLOW

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**PHASE 1**  
STA. 286+00 TO STA. 399+90

**PHASE 3**  
STA. 182+20 TO STA. 273+30

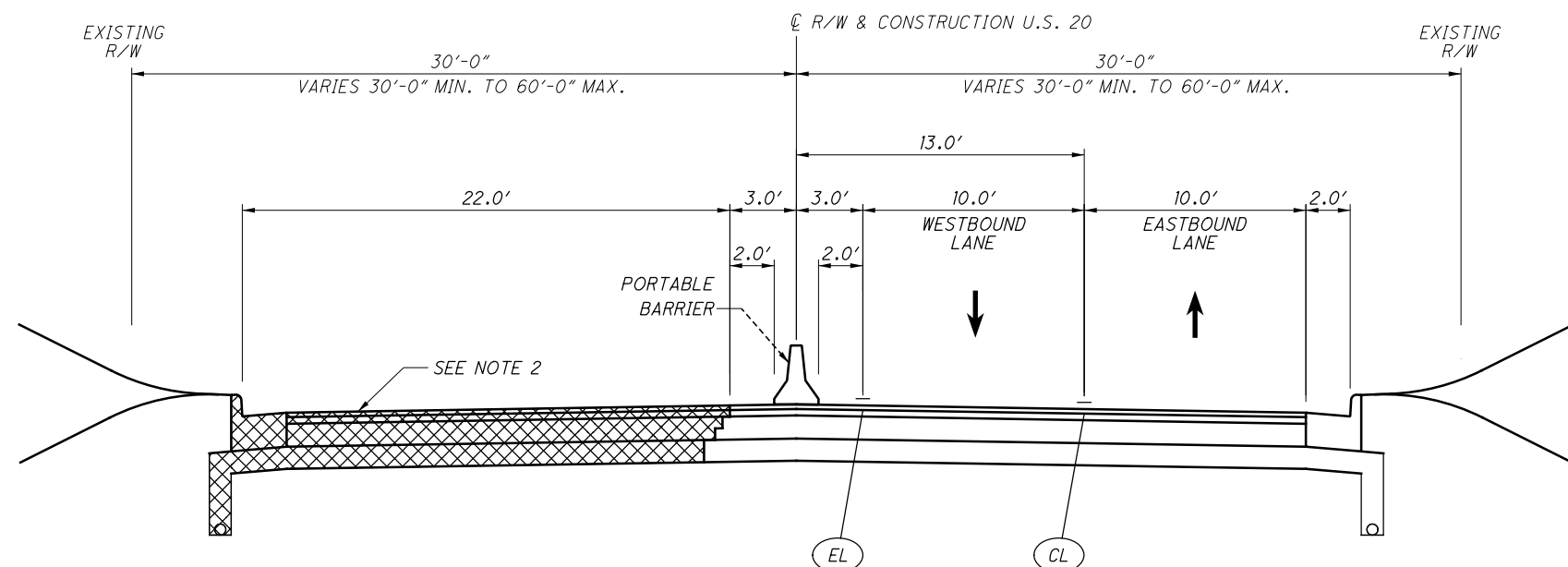
**PHASE 5**  
STA. 101+75 TO STA. 168+10

**NOTES**

1. THE SURFACE COURSE SHALL BE TEMPORARILY NON-PERFORMED IN PHASES 1, 3, 5 AND THE INTERMEDIATE COURSE SHALL BE PLACED WITH A THICKNESS OF 3.25 INCHES.
2. THE SURFACE COURSE SHALL BE TEMPORARILY NON-PERFORMED IN PHASES 2, 4, 6 AND THE INTERMEDIATE COURSE SHALL BE PLACED WITH A THICKNESS OF 3.25 INCHES.

**LEGEND**

- (CL) WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (EL) WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- [Cross-hatch] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- [Diagonal lines] PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1, 3 & 5
- ← TRAFFIC FLOW



**PHASE 2**  
STA. 286+00 TO STA. 399+90

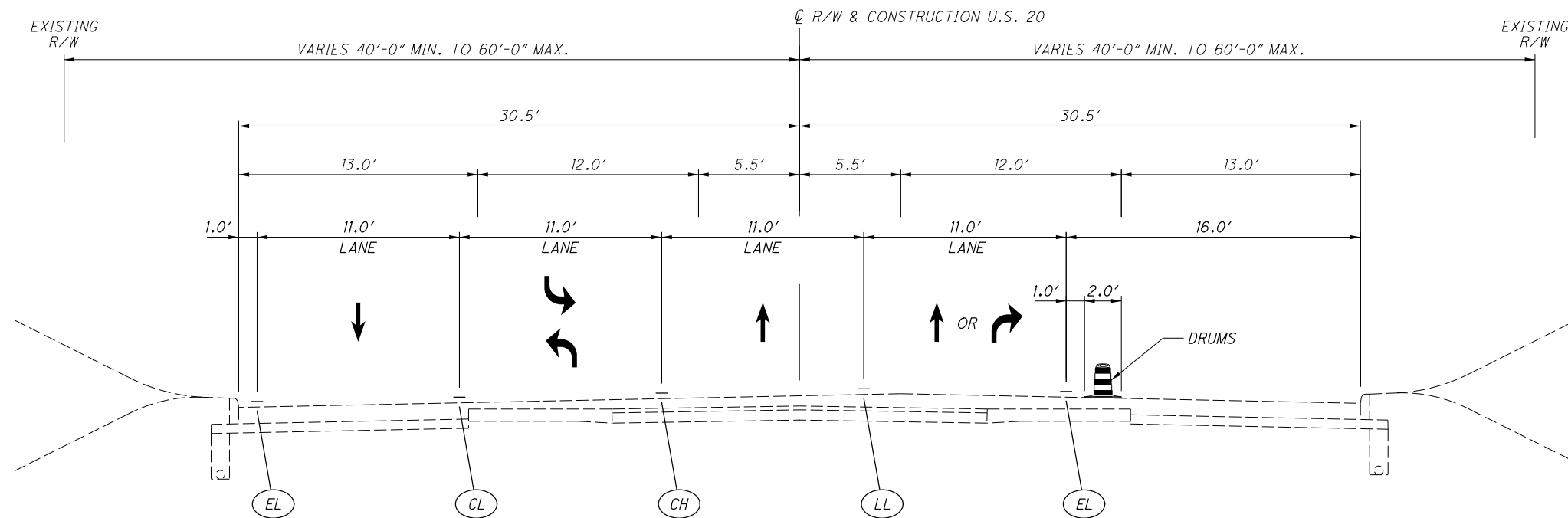
**PHASE 4**  
STA. 182+20 TO STA. 273+30

**PHASE 6**  
STA. 101+75 TO STA. 168+10

**LEGEND**

- (CL) WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (EL) WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- [Cross-hatch] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- ← TRAFFIC FLOW

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**PHASE 1**  
 CENTER ROAD W.B. - STA. 280+02.90 BK =  
 STA. 280+04.23 AH

**PHASE 1**  
 TOWNLINE ROAD E.B. - STA. 405+82.64 BK =  
 STA. 405+83.06 AH

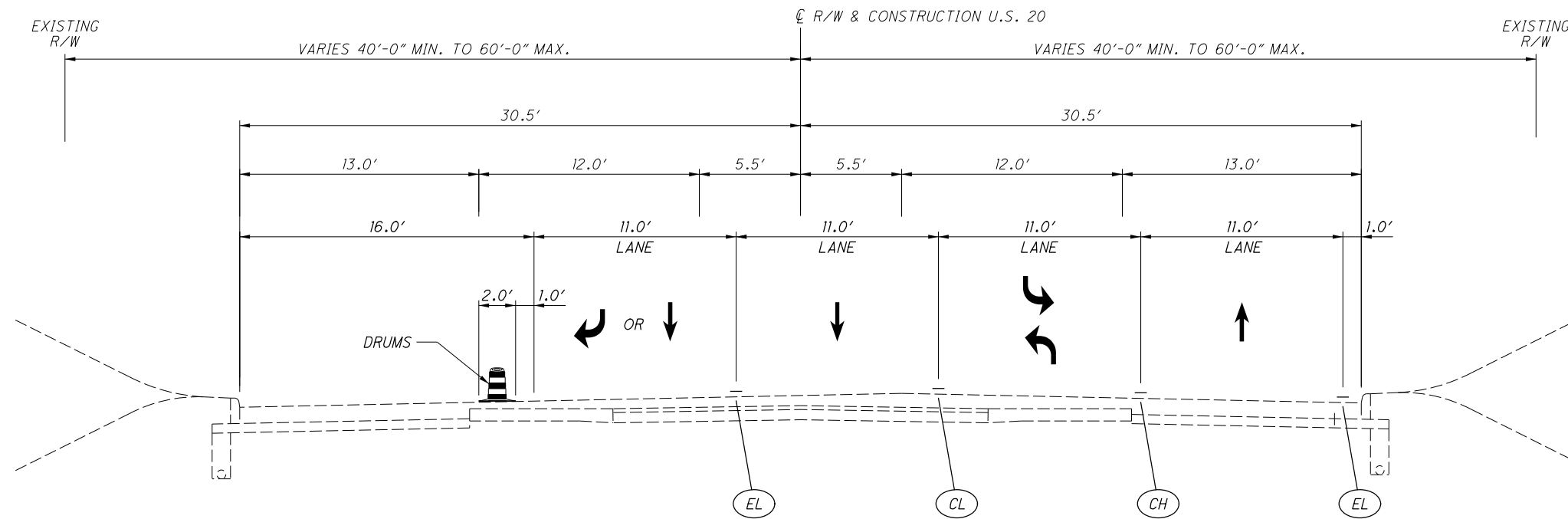
**PHASE 3**  
 LANE ROAD W.B. - STA. 173+57.39

**PHASE 3**  
 CENTER ROAD E.B. - STA. 280+02.90 BK =  
 STA. 280+04.23 AH

**PHASE 5**  
 LANE ROAD E.B. - STA. 173+57.39

**LEGEND**

- (CL) WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (EL) WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (LL) WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (CH) WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ← TRAFFIC FLOW



**PHASE 2**  
 CENTER ROAD W.B. - STA. 280+02.90 BK =  
 STA. 280+04.23 AH

**PHASE 2**  
 TOWNLINE ROAD E.B. - STA. 405+82.64 BK =  
 STA. 405+83.06 AH

**PHASE 4**  
 LANE ROAD W.B. - STA. 173+57.39

**PHASE 4**  
 CENTER ROAD E.B. - STA. 280+02.90 BK =  
 STA. 280+04.23 AH

**PHASE 6**  
 LANE ROAD E.B. - STA. 173+57.39

**LEGEND**

- (CL) WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (EL) WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ← TRAFFIC FLOW

NOTE:  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE NARROWS ROAD AT STA. 144+89, RT. FOR SEVEN (7) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$300 FOR EACH CALENDAR DAY THAT NARROWS ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

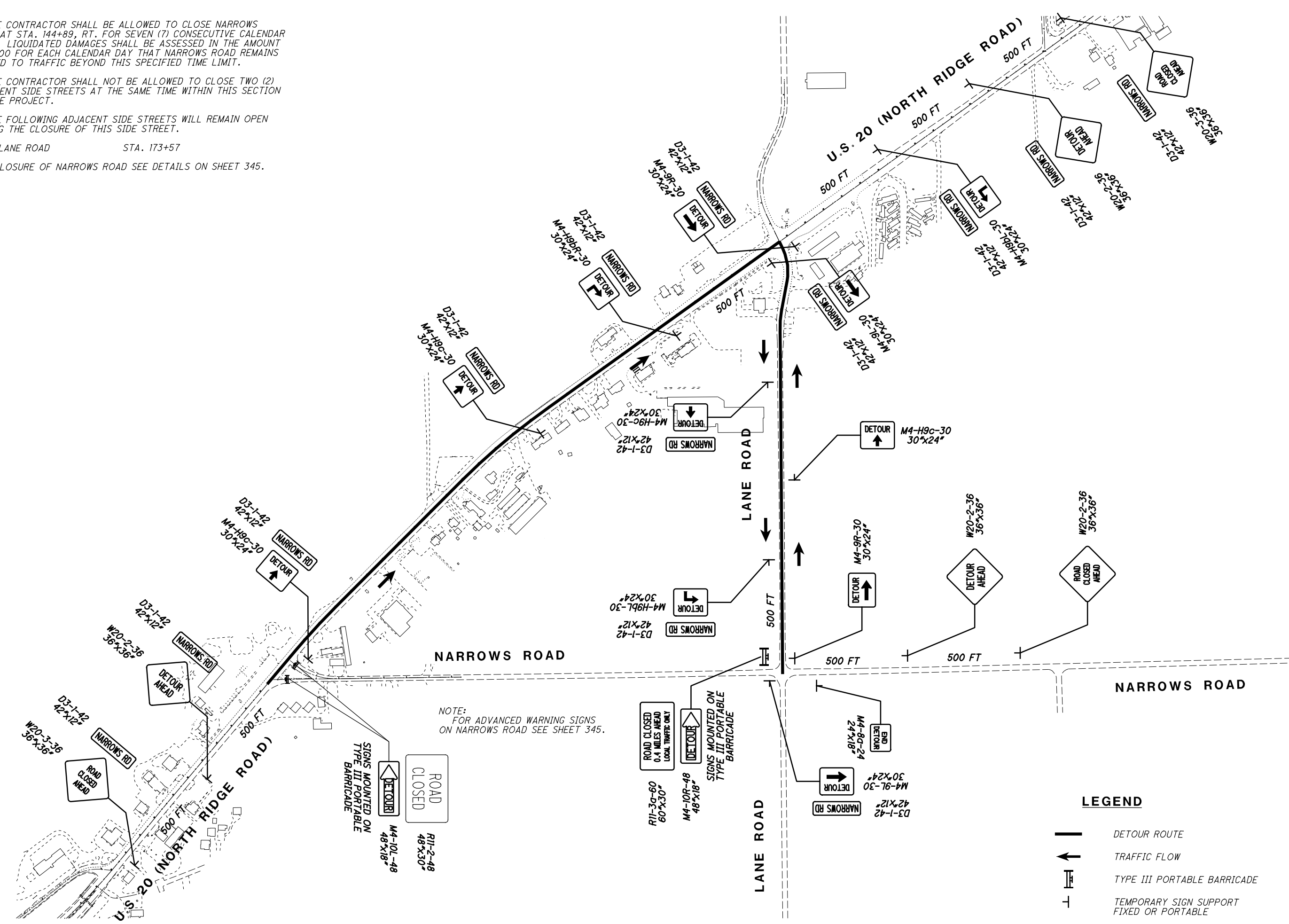
LANE ROAD STA. 173+57

FOR CLOSURE OF NARROWS ROAD SEE DETAILS ON SHEET 345.

CALCULATED JDC CHECKED EJT

MAINTENANCE OF TRAFFIC DETOUR PLAN  
 NARROWS ROAD

LAK-US-20-19.59  
 PART 1



NOTE:  
 FOR ADVANCED WARNING SIGNS ON NARROWS ROAD SEE SHEET 345.

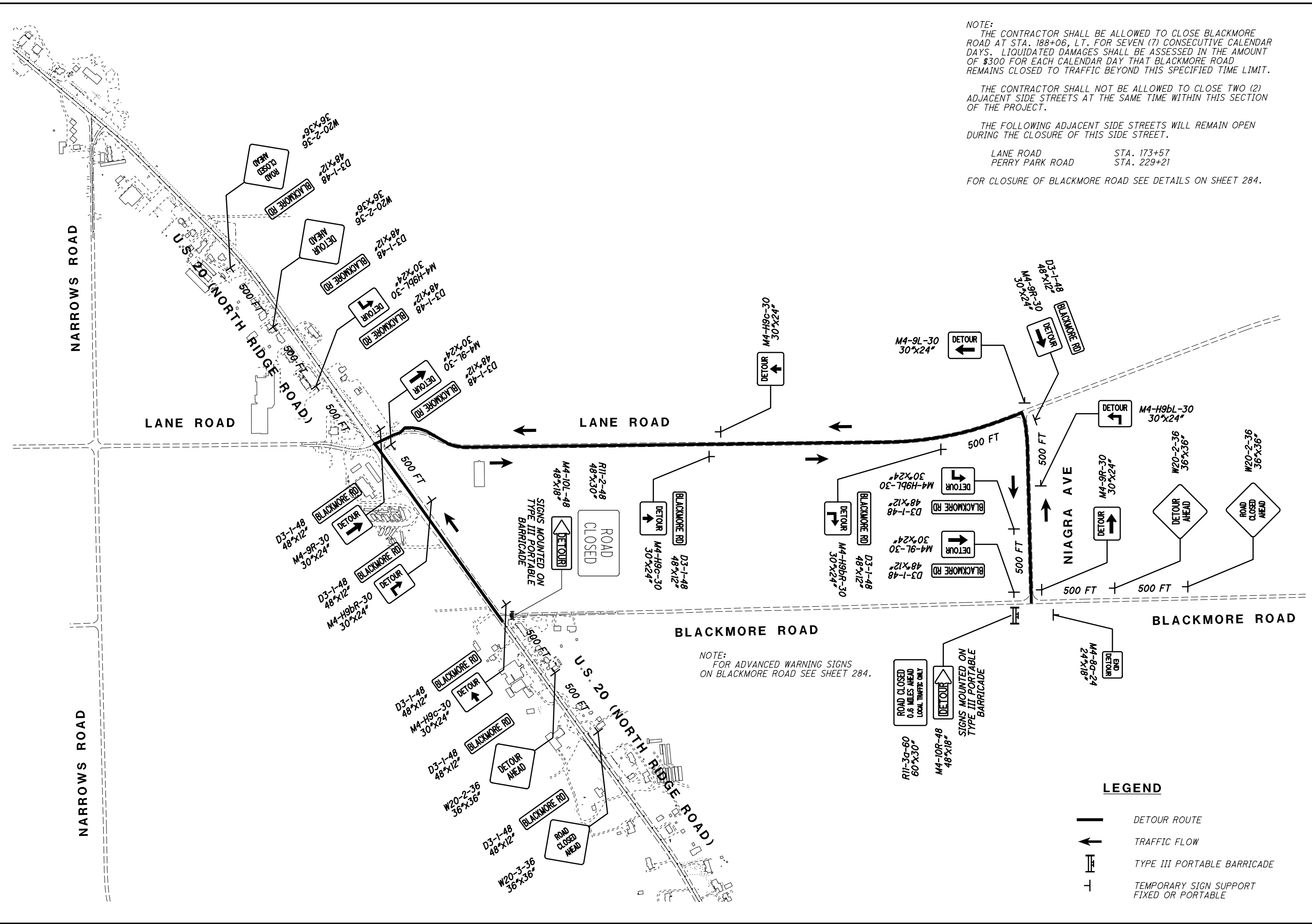
**LEGEND**

- DETOUR ROUTE
- TRAFFIC FLOW
- TYPE III PORTABLE BARRICADE
- TEMPORARY SIGN SUPPORT FIXED OR PORTABLE

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NOTE:  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE BLACKMORE ROAD AT STA. 188+06, LT. FOR SEVEN (7) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$300 FOR EACH CALENDAR DAY THAT BLACKMORE ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

LANE ROAD STA. 173+57  
 PERRY PARK ROAD STA. 229+21

FOR CLOSURE OF BLACKMORE ROAD SEE DETAILS ON SHEET 284.

NOTE:  
 FOR ADVANCED WARNING SIGNS ON BLACKMORE ROAD SEE SHEET 284.

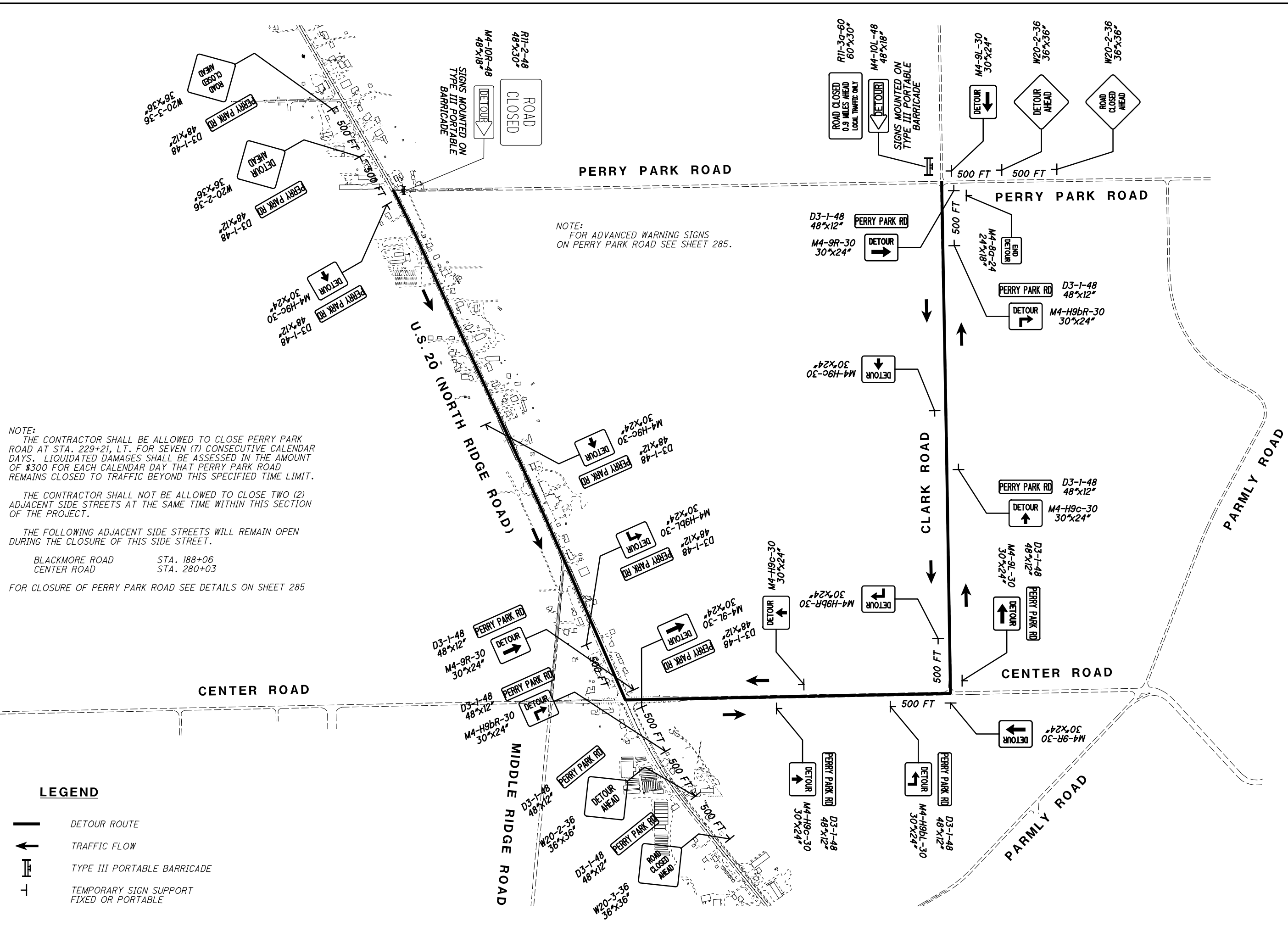
- LEGEND**
- DETOUR ROUTE
  - TRAFFIC FLOW
  - TYPE III PORTABLE BARRICADE
  - TEMPORARY SIGN SUPPORT FIXED OR PORTABLE

CALCULATED JDC CHECKED EJT

0 300 600  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC DETOUR PLAN**  
**BLACKMORE ROAD**

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NOTE:  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE PERRY PARK ROAD AT STA. 229+21, LT. FOR SEVEN (7) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$300 FOR EACH CALENDAR DAY THAT PERRY PARK ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

BLACKMORE ROAD STA. 188+06  
 CENTER ROAD STA. 280+03

FOR CLOSURE OF PERRY PARK ROAD SEE DETAILS ON SHEET 285

**LEGEND**

- DETOUR ROUTE
- TRAFFIC FLOW
- TYPE III PORTABLE BARRICADE
- TEMPORARY SIGN SUPPORT FIXED OR PORTABLE

NOTE:  
 FOR ADVANCED WARNING SIGNS ON PERRY PARK ROAD SEE SHEET 285.

CALCULATED JDC CHECKED EJT

0 400 800  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC DETOUR PLAN  
 PERRY PARK ROAD**

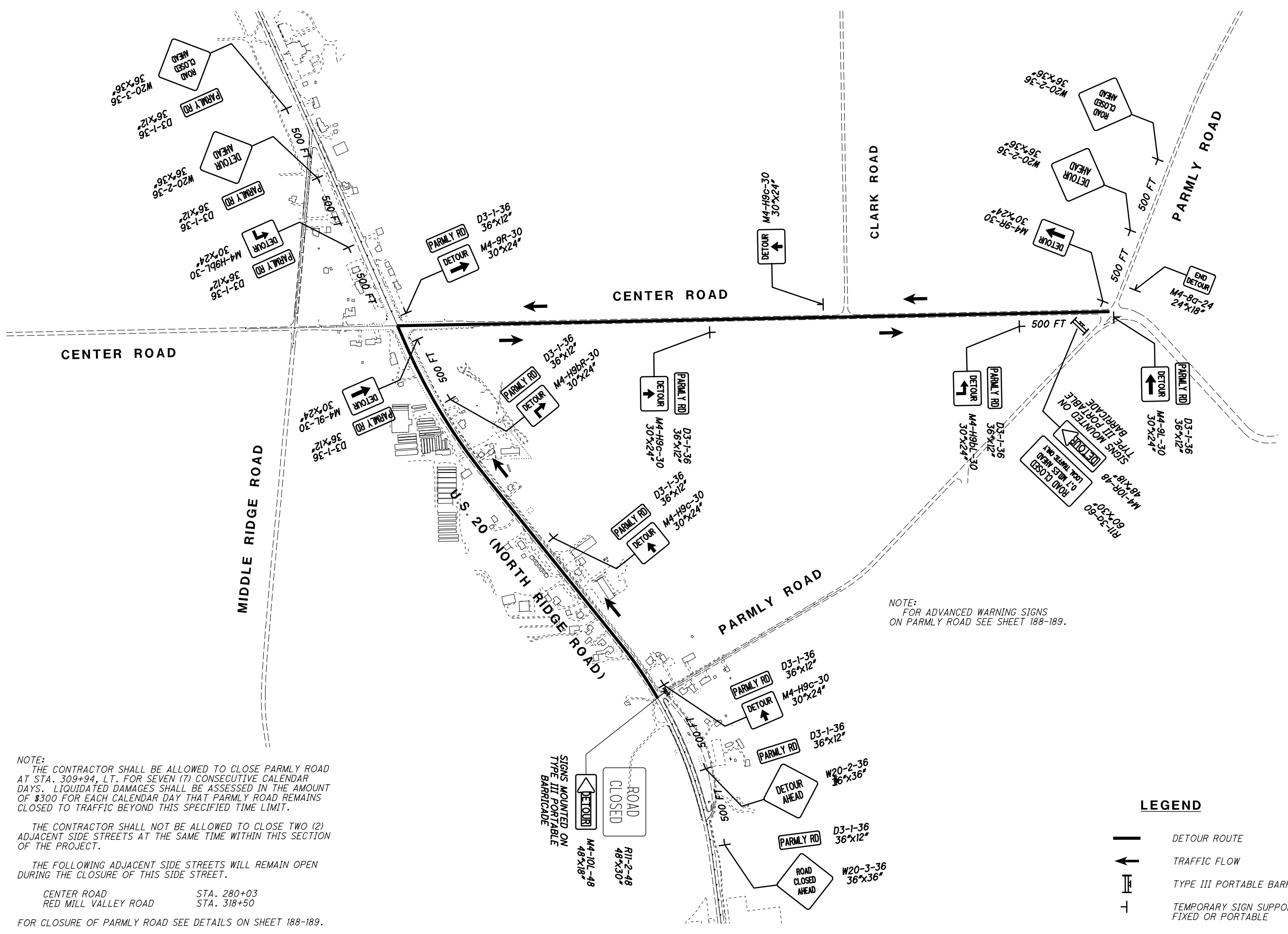
LAK-US-20-19.59  
 PART 1

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CALCULATED JDC CHECKED EJT  
 0 300 600  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC DETOUR PLAN**  
**PARMLY ROAD**

**LAK-US-20-19.59**  
**PART 1**



**NOTE:**  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE PARMLY ROAD AT STA. 309+94, LT. FOR SEVEN (7) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$300 FOR EACH CALENDAR DAY THAT PARMLY ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

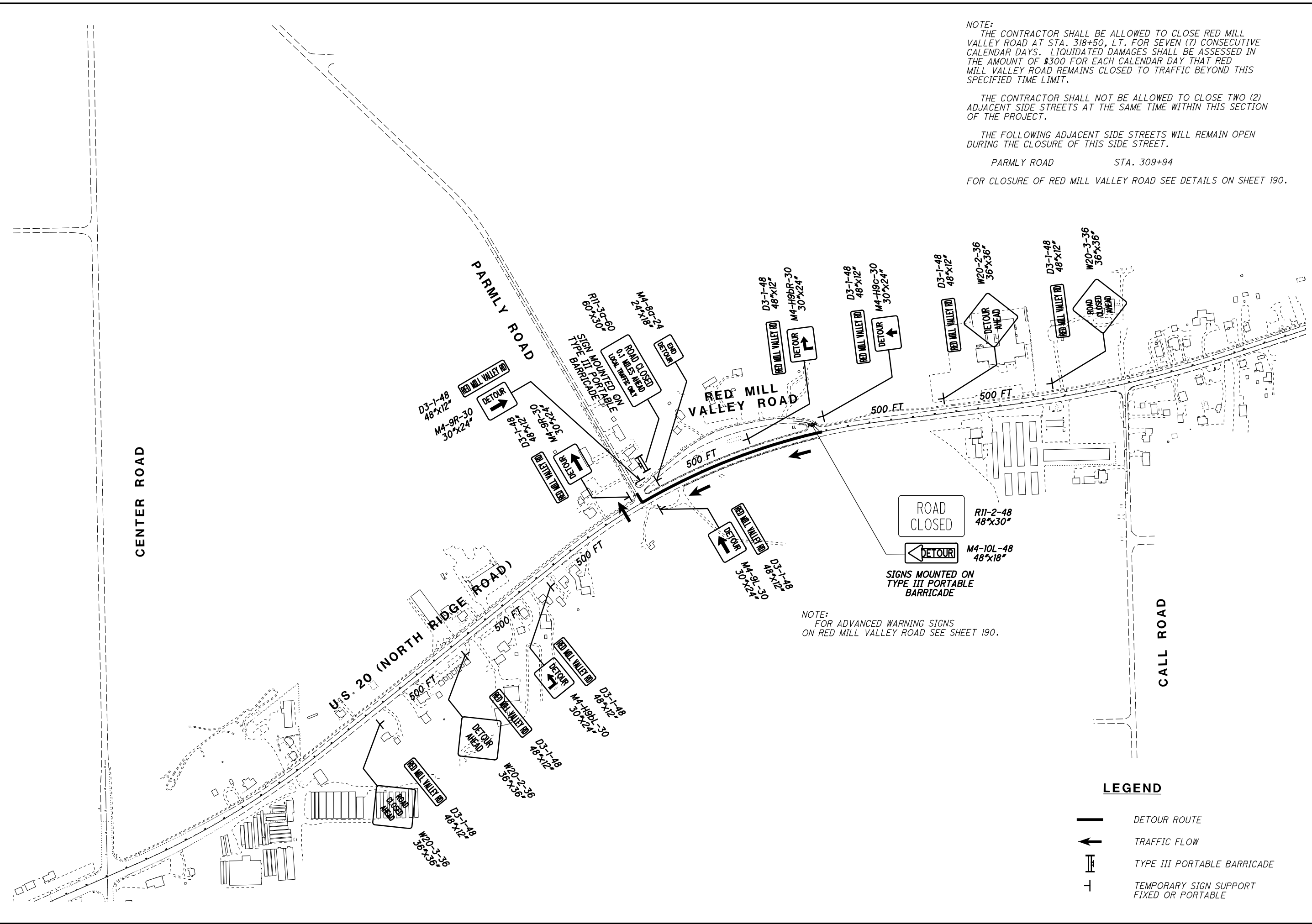
CENTER ROAD	STA. 280+03
RED MILL VALLEY ROAD	STA. 318+50

FOR CLOSURE OF PARMLY ROAD SEE DETAILS ON SHEET 188-189.

**LEGEND**

- DETOUR ROUTE
- TRAFFIC FLOW
- TYPE III PORTABLE BARRICADE
- TEMPORARY SIGN SUPPORT FIXED OR PORTABLE

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NOTE:  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE RED MILL VALLEY ROAD AT STA. 318+50, LT. FOR SEVEN (7) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$300 FOR EACH CALENDAR DAY THAT RED MILL VALLEY ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

PARMLY ROAD STA. 309+94  
 FOR CLOSURE OF RED MILL VALLEY ROAD SEE DETAILS ON SHEET 190.

NOTE:  
 FOR ADVANCED WARNING SIGNS ON RED MILL VALLEY ROAD SEE SHEET 190.

CALCULATED JDC CHECKED EJT

0 200 400  
 HORIZONTAL SCALE IN FEET

MAINTENANCE OF TRAFFIC DETOUR PLAN  
 RED MILL VALLEY ROAD

LAK-US-20-19.59  
 PART 1

**LEGEND**

- DETOUR ROUTE
- TRAFFIC FLOW
- TYPE III PORTABLE BARRICADE
- TEMPORARY SIGN SUPPORT FIXED OR PORTABLE

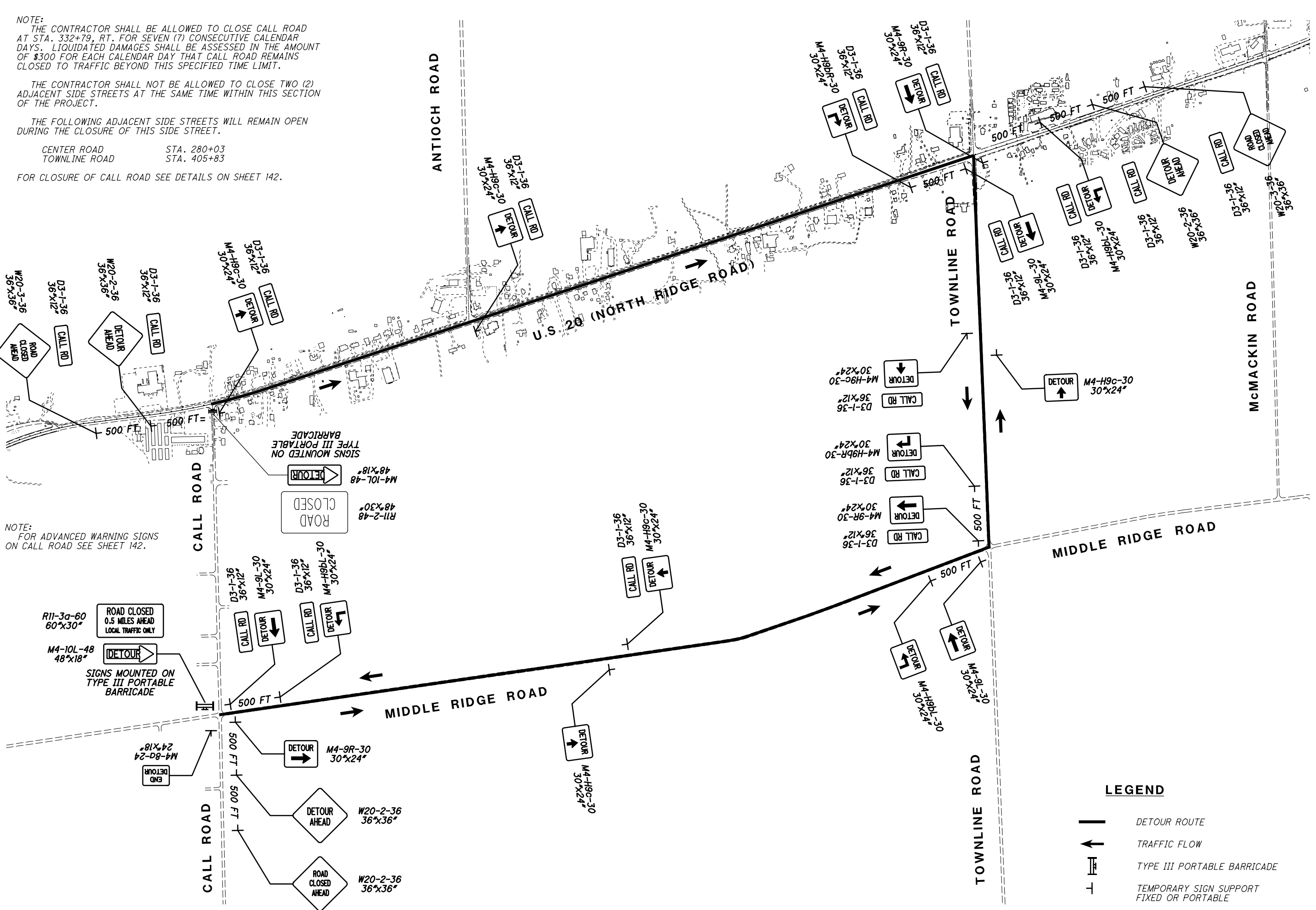
NOTE:  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE CALL ROAD AT STA. 332+79, RT. FOR SEVEN (7) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$300 FOR EACH CALENDAR DAY THAT CALL ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

CENTER ROAD STA. 280+03  
 TOWNLINE ROAD STA. 405+83

FOR CLOSURE OF CALL ROAD SEE DETAILS ON SHEET 142.



NOTE:  
 FOR ADVANCED WARNING SIGNS ON CALL ROAD SEE SHEET 142.

**LEGEND**

- DETOUR ROUTE
- TRAFFIC FLOW
- TYPE III PORTABLE BARRICADE
- TEMPORARY SIGN SUPPORT FIXED OR PORTABLE

CALCULATED JDC CHECKED EJT

0 200 400 800  
 HORIZONTAL SCALE IN FEET

0 400 800  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC DETOUR PLAN**  
**CALL ROAD**

LAK-US-20-19.59  
 PART 1

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	611	611	611	611	611	614	614	614	614	614	614	614	614	614	615	614	614	622
					12" CONDUIT, TYPE B, AS PER PLAN FT	CATCH BASIN, NO. 6, AS PER PLAN EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN EACH	24" CONDUIT, TYPE B, AS PER PLAN FT	MANHOLE ADJUSTED TO GRADE EACH	WORK ZONE LANE LINE, CLASS I, 642 PAINT MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT MILE	WORK ZONE EDGE LINE, CLASS I, 6" 642 PAINT MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT FT	WORK ZONE CROSSWALK LINE, CLASS I, 24", 642 PAINT FT	WORK ZONE ARROW, CLASS I, 642 PAINT EACH	WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT SF	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) EACH	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN SY	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL) EACH
<b>PRE-PHASE 1A</b>																						
DL-1	76	243+75.00	248+25.00	RT																		
CL-1	76	243+75.00	248+50.00	RT						0.090												
CL-2	76	243+75.00	248+50.00	CTR						0.090												
EL-1	76	248+25.00	248+50.00	LT						0.005												
CL-2	77	248+50.00	251+50.00	RT						0.057												
EL-1	77	248+50.00	253+50.00	LT							0.095											
EL-2	77	250+00.00	253+50.00	RT							0.066											
P1	77	250+00.00	253+50.00	RT														108				
CL-1	77	248+50.00	253+50.00	RT						0.095												
PB-3	77	251+80.00	253+50.00	LT														1	3	3	170	
P2	78	253+50.00	257+00.00	RT														101				
EL-2	78	253+50.00	257+00.00	RT							0.066											
CL-1	78	253+50.00	258+50.00	RT						0.095												
PB-4	78	253+50.00	255+70.00	LT														1	3	3	220	
EL-1	78	253+50.00	258+50.00	LT							0.095											
CL-1	79	258+50.00	263+50.00	CTR						0.095												
EL-1	79	258+50.00	263+50.00	LT							0.095											
DL-1	79	261+00.00	263+50.00	LT										250								
DL-1	80	263+50.00	265+50.00	LT										200								
EL-1	80	263+50.00	265+50.00	LT							0.038											
CL-1	80	263+50.00	265+50.00	CTR						0.038												
<b>PRE-PHASE 1B</b>																						
DL-1	86	238+00.00	238+50.00	CTR										50								
CL-1	86	238+00.00	238+50.00	RT						0.009												
EL-1	86	238+00.00	238+50.00	RT							0.009											
DL-1	87	238+50.00	242+50.00	RT										400								
CL-1	87	238+50.00	243+50.00	CTR						0.095												
EL-1	87	238+50.00	243+50.00	RT						0.095												
CL-1	88	243+50.00	248+50.00	LT						0.095												
EL-1	88	243+50.00	248+50.00	RT							0.095											
EL-2	88	247+00.00	248+50.00	LT							0.028											
P3	88	247+00.00	248+50.00	LT														223				
EL-2	89	248+50.00	253+50.00	LT							0.095											
PB-5	89	250+30.00	253+50.00	LT																4	4	320
CL-1	89	248+50.00	253+50.00	LT						0.095												
EL-1	89	248+50.00	253+50.00	LT							0.095											
P4	89	248+50.00	253+50.00	LT															764			
EL-2	90	253+50.00	258+50.00	LT							0.095											
CL-1	90	253+50.00	258+50.00	LT						0.095												
EL-1	90	253+50.00	258+50.00	LT							0.095											
P5	90	253+50.00	258+50.00	LT															777			
PB-6	90	253+50.00	257+20.00	RT														1	5	5	370	
EL-2	91	258+50.00	260+50.00	LT							0.038											
P6	91	258+50.00	260+50.00	LT															305			
CL-1	91	258+50.00	263+50.00	LT						0.095												
EL-1	91	258+50.00	263+25.00	LT							0.089											
CL-2	91	258+50.00	263+50.00	LT						0.095												
DL-1	91	262+75.00	263+50.00	LT										75								
CL-1	92	263+50.00	267+25.00	CTR						0.071												
CL-2	92	263+50.00	267+25.00	LT						0.071												
DL-1	92	263+50.00	267+25.00	LT										375								
SUBTOTAL SHEET 44																						
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>																						
										1.38	1.09		1800					3	2278	15	15	1080

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
ARK  
CHECKED  
EJT

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	606	606	606	611	611	611	611	614	614	614	614	614	614	614	614	614	615	614	614	622			
					GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	24" CONDUIT, TYPE B, AS PER PLAN	MANHOLE ADJUSTED TO GRADE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED	
PHASE 1					FT	EACH	EACH	FT	EACH	EACH	FT	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT
CL-1	100	258+40	258+50	RT									0.002														
LL-1	100	258+40	258+50	LT								0.002															
LL-2	100	258+40	258+50	RT								0.002															
CL-1	101	258+50	263+50	CL									0.095														
EL-1	101	260+40	263+50	RT										0.059													
LL-1	101	258+50	263+50	LT								0.095															
LL-2	101	258+50	260+40	RT								0.036															
DL-1	101	260+40	263+50	RT													310										
CL-1	102	263+50	268+50	CL									0.095														
EL-1	102	263+50	10+37	RT										0.054													
EL-2	102	11+13	268+50	RT										0.034													
LL-1	102	263+50	268+50	LT								0.095															
DL-1	102	263+50	264+90	RT													140										
CL-1	103	268+50	273+50	CL									0.095														
CL-2	103	271+90	273+50	LT									0.030														
EL-1	103	271+90	273+50	LT										0.030													
EL-2	103	268+50	273+50	RT										0.095													
LL-1	103	268+50	271+90	LT																							
TL-1	103	271+90	273+50	LT														26									
CL-1	104	273+50	278+50	LT									0.095														
CL-2	104	273+50	275+80	LT									0.044														
EL-1	104	273+50	278+50	RT										0.095													
EL-2	104	273+50	278+50	LT										0.095													
CH-1	104	276+05	278+50	LT											245												
CH-2	104	276+05	278+50	RT											245												
TL-1	104	273+50	275+80	LT														78									
LA-1	104	276+26		RT																					1		
LA-2	104	276+92		RT																					1		
LA-3	104	277+58		RT																					1		
LA-4	104	278+24		RT																					1		
LA-5	104	276+26		LT																					1		
LA-6	104	276+92		LT																					1		
LA-7	104	277+58		LT																					1		
LA-8	104	278+24		LT																					1		
CL-1	105	278+50	279+00	LT									0.095														
CL-2	105	282+35	283+50	LT									0.022														
EL-1	105	278+50	283+50	LT										0.095													
EL-2	105	278+50	283+50	RT										0.095													
CW-1	105	279+80		RT & LT																						135	
CW-2	105	280+74		RT & LT																						146	
CW-3	105	10+50		LT																						183	
CW-4	105	9+50		RT																						159	
SL-1	105	279+00		RT & LT																						33	
SL-2	105	281+01		RT & LT																						22	
SL-3	105	10+50		LT																						39	
SL-4	105	9+50		RT																						27	
CH-1	105	278+50	279+00	LT											50												
CH-2	105	278+50	279+00	RT											50												
CH-3	105	281+01	282+10	LT											109												
SUBTOTAL SHEET 45												0.230	0.570	0.650	699	450	104	121	623	8							

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
ARK  
CHECKED  
EJT



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REF NO.	SHEET NO.	STATION TO STATION	SIDE	606	606	606	611	611	611	611	611	614	614	614	614	614	614	614	614	614	615	614	614	622	CALCULATED ARK CHECKED EJT		
				GUARDRAIL, TYPE MGS, AS PER PLAN FT	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016) EACH	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN EACH	12" CONDUIT, TYPE B, AS PER PLAN FT	CATCH BASIN, NO. 6, AS PER PLAN EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN EACH	24" CONDUIT, TYPE B, AS PER PLAN FT	MANHOLE ADJUSTED TO GRADE EACH	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT FT	WORK ZONE ARROW, CLASS I, 642 PAINT EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) EACH	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN SY	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL) EACH	OBJECT MARKER, TWO WAY EACH		PORTABLE BARRIER, UNANCHORED FT	
<b>PHASE 1</b>																											
LA-1	105	278+90	RT																						1		
LA-2	105	278+90	LT																						1		
LA-3	105	281+11	LT																						1		
LA-4	105	281+55	LT																						1		
LA-5	105	281+99	LT																						1		
TL-1	105	282+35	LT			283+50												56									
CL-1	106	283+50	LT			286+00						0.047															
CL-2	106	283+50	LT			288+50						0.095															
EL-1	106	283+50	LT			288+50							0.095														
EL-2	106	283+50	LT			288+50							0.095														
TL-1	106	283+50	LT			286+00																					
PB-2	106	285+00	RT & LT			288+50											33										
P1	106	283+50	LT			288+50															1					475	
D1	106	286+01	LT				6	1	1																		
D2	106	286+83	LT				7	1	1																		
D3	106	287+61	LT				6	1	1																		
CL-1	107	288+50	LT			293+50						0.095															
EL-1	107	288+50	LT			293+50							0.095														
EL-2	107	288+50	LT			293+50							0.095														
PB-3	107	288+50	LT			293+50																					
P2	107	288+50	LT			293+50															2					800	
D4	107	289+79	LT				12	1	1																		
D5	107	292+48	LT				12	1	1																		
CL-1	108	293+50	LT			298+50						0.095															
EL-1	108	293+50	LT			298+50							0.095														
EL-2	108	293+50	LT			298+50							0.095														
PB-4	108	293+50	LT			298+50															4						
P3	108	293+50	LT			298+50																				780	
D6	108	295+14	LT				13	1	1																		
D7	108	297+97	LT				13	1	1																		
CL-1	109	298+50	LT			303+50						0.095															
EL-1	109	298+50	LT			303+50							0.095														
EL-2	109	298+50	LT			303+50							0.095														
PB-5	109	298+50	LT			303+50																					
P4	109	298+50	LT			303+50																				765	
D8	109	300+98	LT				12	1	1																		
CL-1	110	303+50	LT			308+50						0.095															
EL-1	110	303+50	LT			308+50							0.095														
EL-2	110	303+50	LT			308+50							0.095														
PB-6	110	303+50	LT			308+50																					
P5	110	303+50	LT			308+50																				800	
D9	110	303+67	LT				12	1	1																		
D10	110	303+92	RT							34																	
CL-1	111	308+50	LT			309+72						0.095															
EL-1	111	308+50	LT			309+80							0.095														
EL-2	111	308+50	LT			313+50							0.095														
SL-1	111	10+43	LT																		11						
SL-2	111	10+85	LT																		10						
SL-3	111	10+39	LT																		8						
GR-1	111	310+25	LT			313+50																					
<b>SUBTOTAL SHEET 46</b>																											
				300		1	93	9	9	34			0.620	1.140			89	29			5	15	3620	19	19	1621	

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59  
PART 1**

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	606	606	606	611	611	611	611	614	614	614	614	614	614	614	614	614	615	614	614	622			
					GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	24" CONDUIT, TYPE B, AS PER PLAN	MANHOLE ADJUSTED TO GRADE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED	
PHASE 1					FT	EACH	EACH	FT	EACH	EACH	FT	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT	
PB-7	111	308+50	313+50	LT																	2		5	5	418		
P6	111	308+50	313+50	LT																		670					
CL-1	112	313+50	318+50	LT								0.095															
EL-1	112	313+50	318+50	LT									0.095														
EL-2	112	313+50	318+50	LT									0.095														
SL-1	112	10+61		LT															13								
PB-8	112	313+50	318+50	LT																			5	5	500		
P7	112	313+50	318+50	LT																		715					
GR-2	112	313+50	318+25	LT	450		1																				
CL-1	113	318+50	323+50	LT								0.095															
EL-1	113	318+50	323+50	LT									0.095														
EL-2	113	318+50	323+50	LT									0.095														
PB-9	113	318+50	323+50	LT																			5	5	468		
P8	113	318+50	323+50	LT																		750					
D11	113	323+00		LT				13	1	1																	
CL-1	114	323+50	328+50	LT								0.095															
EL-1	114	323+50	328+50	LT									0.095														
EL-2	114	323+50	328+50	LT									0.095														
PB-10	114	323+50	328+50	LT																	2		5	5	440		
P9	114	323+50	328+50	LT																		800					
D12	114	325+53		LT				13	1	1																	
CL-1	115	328+50	330+50	LT								0.095															
CL-2	115	8+25	9+81	RT								0.030															
EL-1	115	328+50	333+50	LT									0.095														
EL-2	115	328+50	330+50	LT									0.095														
SL-1	115	332+88		RT															12								
PB-11	115	328+50	333+50	LT																	4		4	4	309		
P10	115	328+50	333+50	LT																		800					
D13	115	331+04		LT				13	1	1																	
CL-1	116	333+50	339+00	LT								0.104															
EL-1	116	333+50	339+00	LT									0.104														
EL-2	116	333+50	339+00	LT									0.104														
PB-12	116	333+50	339+00	LT																	4		4	4	261		
P11	116	333+50	339+00	LT																		800					
D14	116	334+05		LT				13	1	1																	
D15	116	337+02		LT				13	1	1																	
CL-1	117	339+00	344+00	LT								0.095															
EL-1	117	339+00	344+00	LT									0.095														
EL-2	117	339+00	344+00	LT									0.095														
PB-13	117	339+00	344+00	LT																	4		4	4	326		
P12	117	339+00	344+00	LT																		800					
D16	117	340+00		LT				13	1	1																	
D17	117	343+00		LT				13	1	1																	
CL-1	118	344+00	349+00	LT								0.095															
EL-1	118	344+00	349+00	LT									0.095														
EL-2	118	344+00	349+00	LT									0.095														
PB-14	118	344+00	349+00	LT																	4		4	4	316		
P13	118	344+00	349+00	LT																		800					
D18	118	345+50		LT				13	1	1																	
D19	118	348+00		LT				13	1	1																	
SUBTOTAL SHEET 47					450		1	117	9	9			0.700	1.350							25		20	6135	36	36	3038

CALCULATED	ARK
	CHECKED
EJT	
<b>MAINTENANCE OF TRAFFIC SUBSUMMARY</b>	
<b>LAK-US-20-19.59</b>	
<b>PART 1</b>	
47	
1253	

REF NO.	SHEET NO.	STATION TO STATION		SIDE	606	606	606	611	611	611	611	614	614	614	614	614	614	614	614	614	615	614	614	622		
					GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	24" CONDUIT, TYPE B, AS PER PLAN	MANHOLE ADJUSTED TO GRADE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED
PHASE 1					FT	EACH	EACH	FT	EACH	EACH	FT	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT
CL-1	119	349+00	354+00	LT									0.095													
EL-1	119	349+00	354+00	LT										0.095												
EL-2	119	349+00	354+00	LT									0.095													
PB-15	119	349+00	354+00	LT																	2		5	5	408	
P14	119	349+00	354+00	LT																	800					
D20	119	350+50		LT				13	1	1																
D21	119	353+00		LT				13	1	1																
CL-1	120	354+00	359+00	LT									0.095													
EL-1	120	354+00	357+55	LT										0.095												
EL-2	120	354+00	359+00	LT										0.095												
SL-1	120	10+56		LT														24								
PB-16	120	354+00	359+00	LT																	5		3	3	301	
P15	120	354+00	359+00	LT																	650					
D22	120	355+51		LT				13	1	1																
CL-1	121	359+00	364+00	LT									0.095													
EL-1	121	359+00	364+00	LT										0.095												
EL-2	121	359+00	364+00	LT										0.095												
PB-17	121	359+00	364+00	LT																	3		4	4	372	
P16	121	359+00	364+00	LT																	810					
D23	121	360+50		LT				13	1	1																
D24	121	363+28		LT				13	1	1																
CL-1	122	364+00	369+00	LT									0.095													
EL-1	122	364+00	369+00	LT										0.095												
EL-2	122	364+00	369+00	LT										0.095												
PB-18	122	364+00	369+00	LT																	8		3	3	190	
P17	122	364+00	369+00	LT																	800					
D25	122	365+49		LT				13	1	1																
D26	122	367+78		LT				13	1	1																
CL-1	123	369+00	374+00	LT									0.095													
EL-1	123	369+00	374+00	LT										0.095												
EL-2	123	369+00	374+00	LT										0.095												
PB-19	123	369+00	374+00	LT																	2		5	5	408	
P18	123	369+00	374+00	LT																	800					
D27	123	370+50		LT				13	1	1																
CL-1	124	374+00	379+00	LT									0.095													
EL-1	124	374+00	379+00	LT										0.095												
EL-2	124	374+00	379+00	LT										0.095												
PB-20	124	374+00	379+00	LT																	2		4	4	408	
P19	124	374+00	379+00	LT																	800					
D28	124	375+48		LT				13	1	1																
D29	124	378+51		LT				13	1	1																
CL-1	125	379+00	384+00	LT									0.095													
EL-1	125	379+00	384+00	LT										0.095												
EL-2	125	379+00	384+00	LT										0.095												
PB-21	125	379+00	384+00	LT																	5		3	3	290	
P20	125	379+00	384+00	LT																	800					
D30	125	381+24		LT				13	1	1																
D31	125	383+44		LT				13	1	1																
SUBTOTAL SHEET 48								156	12	12			0.670	1.330					24			27	5460	27	27	2377

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
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REF NO.	SHEET NO.	STATION TO STATION		SIDE	606	606	606	611	611	611	611	614	614	614	614	614	614	614	614	614	615	614	614	622		
					GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	24" CONDUIT, TYPE B, AS PER PLAN	MANHOLE ADJUSTED TO GRADE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED
PHASE 1					FT	EACH	EACH	FT	EACH	EACH	FT	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT
CL-1	126	384+00	389+00	LT									0.095													
EL-1	126	384+00	389+00	LT										0.095												
EL-2	126	384+00	389+00	LT									0.095													
PB-22	126	384+00	389+00	LT																	6		3	3	226	
P21	126	384+00	389+00	LT																	800					
D32	126	385+98		LT			13	1	1																	
D33	126	388+50		LT			13	1	1																	
GR3	126	384+00	387+00	LT	263	1	1																			
CL-1	127	389+00	394+00	LT									0.095													
EL-1	127	389+00	394+00	LT										0.095												
EL-2	127	389+00	394+00	LT									0.095													
PB-23	127	389+00	394+00	LT																	5		3	3	240	
P22	127	389+00	394+00	LT																	800					
D34	127	391+25		LT			14	1	1																	
CL-1	128	394+00	399+00	LT									0.095													
EL-1	128	394+00	399+00	LT										0.095												
EL-2	128	394+00	399+00	LT										0.095												
PB-24	128	394+00	397+40	LT																	3		3	3	228	
P23	128	394+00	399+00	LT																	800					
D35	128	396+99		LT			14	1																		
D36	128	398+37		LT			9			1																
CL-1	129	399+00	404+00	LT									0.095													
CL-2	129	399+00	403+05	LT									0.060													
EL-1	129	399+00	404+00	LT										0.095												
EL-2	129	399+00	404+00	RT & LT									0.095													
LL-1	129	403+80	404+00	RT							0.004															
CH-1	129	403+80	404+00	LT											20											
TL-1	129	399+90	403+05	RT & LT																						
LA-1	129	403+92		LT																	95					
PB-26	129	399+00	400+30	RT & LT																	1		1	2	130	
P24	129	399+00	402+72	LT																						
D37	129	399+90		LT			10	1	1												290					
D38	129	400+91		LT			7	1	1																	
CL-1	130	404+00	404+90	LT									0.095													
CL-2	130	407+70	409+00	LT									0.025													
EL-1	130	404+00	409+00	LT										0.095												
EL-2	130	404+00	409+00	RT									0.095													
LL-1	130	404+00	409+00	LT								0.095														
CH-1	130	404+00	404+90	LT											90											
CH-2	130	406+60	407+45	LT										85												
LA-1	130	404+36		LT																						
LA-2	130	404+80		LT																						
LA-3	130	406+70		LT																						
LA-4	130	407+20		LT																						
SL-1	130	404+90		RT & LT																						
SL-2	130	406+60		RT & LT																	33					
SL-3	130	10+55		LT																	22					
SL-4	130	9+45		RT																	28					
																					28					
SUBTOTAL SHEET 49					263	1	1	80	6	5		1	0.100	0.560	0.950	195		95	111		5	15	2690	11	11	824

<b>MAINTENANCE OF TRAFFIC SUBSUMMARY</b>	<b>LAK-US-20-19.59</b> <b>PART 1</b>	CALCULATED ARK CHECKED EJT
49 1253		

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	606	606	606	611	611	611	611	611	614	614	614	614	614	614	614	614	615	614	614	622			
					GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	24" CONDUIT, TYPE B, AS PER PLAN	MANHOLE ADJUSTED TO GRADE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED	
PHASE 1					FT	EACH	EACH	FT	EACH	EACH	FT	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT
CL-1	131	409+00	414+00	C/L									0.095														
CL-2	131	409+00	414+00	LT									0.095														
EL-1	131	409+00	411+60	RT											0.049												
EL-2	131	409+00	411+14	LT											0.041												
LL-1	131	409+00	414+00	RT								0.095															
CL-1	132	414+00	419+00	C/L									0.095														
CL-2	132	414+00	419+00	LT									0.095														
LL-1	132	414+00	419+00	RT								0.095															
DL-1	132	414+35	419+00	LT													465										
CL-1	133	419+00	421+75	CL									0.052														
CL-2	133	419+00	419+75	LT									0.014														
LL-1	133	419+00	421+75	RT								0.052															
LL-2	133	419+00	421+75	LT								0.052															
DL-1	133	419+00	419+75	LT													75										
<b>CALL ROAD</b>																											
CL-1	142	332+08	333+18	LT									0.021														
EL-1	142	332+23	333+33	LT											0.021												
PB-30	142	331+98	334+28	LT																			2	2	230		
SUBTOTAL SHEET 50													0.294	0.467	0.111		540							2	2	230	
SUBTOTALS FROM SHEET 45													0.230	0.570	0.650	699	450	104	121	623	8						
SUBTOTALS FROM SHEET 46					300		1	93	9	9	34		0.620	1.140			89	29		5	15	3620	19	19	1621		
SUBTOTALS FROM SHEET 47					450		1	117	9	9			0.700	1.350				25			20	6135	36	36	3038		
SUBTOTALS FROM SHEET 48								156	12	12			0.670	1.330				24			27	5460	27	27	2377		
SUBTOTALS FROM SHEET 49					263	1	1	80	6	5	1	0.100	0.560	0.950	195		95	111		5	15	2690	11	11	824		
TOTAL					1013	1	3	446	36	35	34	1	0.624	3.587	5.531	894	990	288	310	623	18	77	17905	95	95	8090	
TOTALS CARRIED TO GENERAL SUMMARY					1013	1	3	446	36	35	34	1	0.62	3.59	5.53	894	990	288	310	623	18	77	17905	95	95	8090	

<b>MAINTENANCE OF TRAFFIC SUBSUMMARY</b>	<b>LAK-US-20-19.59</b>
<b>PART 1</b>	<b>50</b>
CALCULATED ARK CHECKED EJT	1253



REF NO.	SHEET NO.	STATION TO STATION		SIDE																	614	614	622		
					MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	FT								
<b>PHASE 2</b>																									
CL-1	154	293+50	298+50	RT																					
EL-1	154	293+50	298+50	RT						0.095															
PB-4	154	293+50	298+50	C/L																1	4	4	349		
CL-1	155	298+50	303+50	RT						0.095															
EL-1	155	298+50	303+50	RT							0.095														
PB-5	155	298+50	303+50	C/L																4	3	3	216		
CL-1	156	303+50	308+50	RT						0.095															
EL-1	156	303+50	308+50	RT							0.095														
PB-6	156	303+50	308+50	C/L																2	4	4	424		
CL-1	157	308+50	313+50	RT						0.095															
CL-2	157	10+25	11+00	LT						0.014															
CL-3	157	10+34	11+12	LT						0.015															
EL-1	157	308+50	313+50	RT							0.095														
CW-1	157	10+84		LT & RT										23											
CW-2	157	10+90												22											
SL-1	157	10+25		LT									10												
SL-2	157	10+95		LT									10												
SL-3	157	10+34		LT									10												
PB-7	157	308+50	313+50	C/L																2	4	4	375		
CL-1	158	313+50	318+50	RT						0.095															
EL-1	158	313+50	318+50	RT & LT							0.095														
SL-1	158	318+17		LT									24												
PB-8	158	313+50	317+67	C/L & LT																1	4	4	420		
CL-1	159	318+50	323+50	RT						0.095															
EL-1	159	318+50	323+50	RT							0.095														
PB-9	159	318+50	323+50	C/L																1	5	5	440		
CL-1	160	323+50	328+50	RT						0.095															
EL-1	160	323+50	328+50	RT							0.095														
PB-10	160	323+50	328+00	C/L																1	5	5	434		
CL-1	161	328+50	333+50	RT						0.095															
EL-1	161	328+50	333+50	RT							0.095														
SL-1	161	9+51		RT									14												
PB-11	161	328+50	333+50	C/L																6	4	4	300		
CL-1	162	333+50	339+00	RT						0.104															
EL-1	162	333+50	339+00	RT							0.104														
PB-12	162	333+50	339+00																	6	3	3	176		
CL-1	163	339+00	344+00	RT						0.095															
EL-1	163	339+00	344+00	RT							0.095														
PB-13	163	339+00	344+00	C/L																4	2	2	201		
CL-1	164	344+00	349+00	RT						0.095															
EL-1	164	344+00	349+00	RT							0.095														
PB-14	164	344+00	349+00	C/L																6	3	3	134		
<b>SUBTOTAL SHEET 52</b>																									
										1.08	1.05					68	45				34		41	41	3469

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
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REF NO.	SHEET NO.	STATION TO STATION		SIDE																
					614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614
					WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 1, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 1, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT		WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)		BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED	
					MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH		EACH		EACH	EACH	FT	
<b>PHASE 2</b>																				
CL-1	165	349+00	354+00	RT																
EL-1	165	349+00	354+00	RT		0.095														
PB-15	165	350+39	354+00	C/L			0.095							5		3	3	181		
CL-1	166	354+00	359+00	RT		0.095														
CL-2	166	10+28	11+00	LT		0.014														
EL-1	166	354+00	359+00	LT			0.095													
SL-1	166	357+60		LT						25										
LA-1	166	10+54		LT									1							
LA-2	166	10+54		LT									1							
CH-1	166	10+28	11+00	LT				72												
PB-16	166	354+00	359+00	C/L										6		3	3	240		
CL-1	167	359+00	364+00	RT		0.095														
EL-1	167	359+00	364+00	RT			0.095													
PB-17	167	359+00	364+00	C/L										4		3	3	276		
CL-1	168	364+00	369+00	RT		0.095														
EL-1	168	364+00	369+00	RT			0.095													
PB-18	168	364+00	369+00	C/L										1		2	2	219		
CL-1	169	369+00	374+00	RT		0.095														
EL-1	169	369+00	374+00	RT			0.095													
PB-19	169	369+00	374+00	C/L										5		4	4	270		
CL-1	170	374+00	379+00	RT		0.095														
EL-1	170	374+00	379+00	RT			0.095													
PB-20	170	374+00	379+00	C/L										2		5	5	418		
CL-1	171	379+00	384+00	RT		0.095														
EL-1	171	379+00	384+00	RT			0.095													
PB-21	171	379+00	384+00	C/L										4		3	3	326		
CL-1	172	384+00	389+00	RT		0.095														
EL-1	172	384+00	389+00	RT			0.095													
PB-22	172	384+00	389+00	C/L										1		5	5	490		
CL-1	173	389+00	394+00	RT		0.095														
EL-1	173	389+00	394+00	RT			0.095													
PB-23	173	389+00	394+00	C/L										3		3	3	272		
CL-1	174	394+00	399+00	RT		0.095														
EL-1	174	394+00	399+00	RT			0.095													
PB-24	174	394+00	398+60	C/L										1		5	5	460		
CL-1	175	399+00	404+00	RT		0.095														
CL-2	175	400+10	403+08	RT		0.056														
EL-1	175	399+00	404+00	LT			0.095													
EL-2	175	400+10	404+00	RT			0.074													
TL-1	175	400+10	403+08	RT						96										
CH-1	175	403+33	404+00	RT				67												
LA-1	175	403+48		RT									1							
<b>SUBTOTAL SHEET 53</b>						1.12	1.12	139		96	25		3		32		36	36	3152	

<b>MAINTENANCE OF TRAFFIC SUBSUMMARY</b>	<b>LAK-US-20-19.59</b>
<b>PART 1</b>	<b>53</b>
<b>CALCULATED</b>	<b>1253</b>
<b>ARK</b>	
<b>CHECKED</b>	
<b>EJT</b>	





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REF NO.	SHEET NO.	STATION TO STATION		SIDE	606	606	606	611	611	611	614	614	614	614	614	614	614	614	615	614	614	622		
					GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED
PRE-PHASE 3					FT	EACH	EACH	FT	EACH	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT
EL-1	193	197+00	198+50	LT																				
EL-1	194	198+50	203+50	LT										0.028										
PB-2	194	198+75	200+95	LT																2		2	2	220
EL-1	195	203+50	206+25	LT										0.052										
PHASE 3																								
CL-1	203	158+50	163+50	C/L										0.095										
EL-1	203	160+50	163+50	RT										0.056										
LL-1	203	158+50	163+50	LT							0.095													
LL-2	203	158+50	160+50	RT							0.038													
DL-1	203	160+50	163+50	LT												300								
CL-1	204	163+50	168+50	C/L & LT										0.095										
CL-2	204	167+25	168+50	C/L & LT										0.024										
EL-1	204	163+50	168+50	RT										0.095										
EL-2	204	166+50	168+50	LT										0.038										
LL-1	204	163+50	167+25	LT							0.071													
DL-1	204	163+50	165+00	RT												150								
TL-1	204	166+55	168+50	LT													20							
CL-1	205	168+50	173+50	LT										0.095										
CL-2	205	168+50	171+15	LT										0.052										
EL-1	205	168+50	173+50	LT										0.095										
EL-2	205	168+50	173+50	RT										0.095										
CH-1	205	171+40	172+58	LT												118								
CH-2	205	171+40	172+58	RT												118								
TL-1	205	168+50	171+15	LT																				
CW-1	205	173+06		RT & LT																				
CW-2	205	173+50		RT																				
SL-1	205	172+58		RT & LT																				
SL-2	205	19+56		RT																				
LA-1	205	171+52		RT																				
LA-2	205	172+00		RT																				
LA-3	205	172+48		RT																				
LA-4	205	171+52		LT																				
LA-5	205	172+00		LT																				
LA-6	205	172+48		LT																				
CL-1	206	173+50	178+50	LT										0.095										
EL-1	206	173+50	178+50	LT																				
EL-2	206	173+50	178+50	RT										0.095										
CH-1	206	174+48	176+83	LT																				
CW-1	206	174+00		RT & LT																				
CW-2	206	173+50		LT																				
SL-1	206	174+48		LT																				
SL-2	206	20+63		LT																				
LA-1	206	174+58		LT																				
LA-2	206	175+23		LT																				
LA-3	206	175+88		LT																				
LA-4	206	176+53		LT																				
LA-5	206	177+18		LT																				
LA-6	206	177+83		LT																				
CL-1	207	178+50	183+50	LT										0.095										
CL-2	207	178+50	182+20	LT										0.070										
EL-1	207	178+50	183+50	LT																				
EL-2	207	178+50	183+50	RT & LT										0.095										
SUBTOTAL SHEET 55											0.204	0.621	0.934	471	450	108	80	512	12	2		2	2	220

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

CALCULATED  
ARK  
CHECKED  
EJT

**LAK-US-20-19.59  
PART 1**

55  
1253

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	606	606	606	611	611	611	614	614	614	614	614	614	614	614	615	614	614	622		
					GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED
PHASE 3					FT	EACH	EACH	FT	EACH	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT
TL-1	207	178+50	182+20	LT																				
PB-1	207	181+20	183+50	RT & LT																				
P1	207	179+43	183+50	LT																				
D1	207	181+48		LT				6	1	1														
CL-1	208	183+50	188+50	LT								0.095												
EL-1	208	183+50	188+50	LT									0.095											
EL-2	208	183+50	188+50	LT									0.087											
SL-1	208	10+65		LT																				
PB-2	208	183+50	188+50	LT																				
P2	208	183+50	188+18	LT																				
D2	208	187+24		LT				13	1	1														
CL-1	209	188+50	193+50	LT								0.095												
EL-1	209	188+50	193+50	LT									0.095											
EL-2	209	188+50	193+50	LT									0.095											
PB-3	209	188+50	193+50	LT																				
P3	209	188+50	193+50	LT																				
D3	209	190+74		LT				13	1	1														
CL-1	210	193+50	198+50	LT								0.095												
EL-1	210	193+50	198+50	LT									0.095											
EL-2	210	193+50	198+50	LT									0.095											
PB-4	210	193+50	198+50	LT																				
P4	210	193+50	198+50	LT																				
D4	210	194+50		LT				13	1	1														
D5	210	197+50		LT				13	1	1														
CL-1	211	198+50	203+50	LT								0.095												
EL-1	211	198+50	203+50	LT									0.095											
EL-2	211	198+50	203+50	LT									0.095											
PB-5	211	198+50	203+50	LT																				
P5	211	198+50	203+50	LT																				
D6	211	199+76		LT				13	1	1														
D7	211	201+50		LT				13	1	1														
D8	211	200+85	201+50	RT				70																
GR-1	211	198+50	200+25	LT	125	1	1																	
CL-1	212	203+50	208+50	LT								0.095												
EL-1	212	203+50	208+50	LT									0.095											
EL-2	212	203+50	208+50	LT									0.095											
PB-6	212	203+50	208+50	LT																				
P6	212	203+50	208+50	LT																				
D9	212	205+00		LT				13	1	1														
CL-1	213	208+50	213+50	LT								0.095												
EL-1	213	208+50	213+50	LT									0.095											
EL-2	213	208+50	213+50	LT									0.095											
PB-7	213	208+50	213+50	LT																				
P7	213	208+50	213+50	LT																				
D10	213	211+75		LT				13	1	1														
D11	213	211+75	211+95	RT				35																
CL-1	214	213+50	218+50	LT								0.095												
EL-2	214	213+50	218+50	LT									0.095											
EL-3	214	213+50	218+50	LT									0.095											
PB-8	214	213+50	218+50	LT																				
P8	214	213+50	218+50	LT																				
<b>SUBTOTAL SHEET 56</b>					125	1	1	215	9	9		0.665	1.322				121	11		19	720	27	27	2895

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

CALCULATED  
ARK  
CHECKED  
EJT

**LAK-US-20-19.59  
PART 1**

56  
1253

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	606	606	606	611	611	611	614	614	614	614	614	614	614	614	615	614	614	622		
					GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED
PHASE 3					FT	EACH	EACH	FT	EACH	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT
D12	214	217+00		LT				13	1	1														
D13	214	217+00	218+00	RT				105																
CL-1	215	218+50	223+50	LT								0.095												
CL-2	215	8+75	9+79	RT								0.020												
EL-1	215	218+50	223+50	LT									0.095											
EL-2	215	218+50	223+50	LT									0.095											
SL-1	215	219+71		RT													14							
PB-9	215	218+50	223+50	LT															3		3	3	324	
P9	215	218+50	223+50	LT																				
D14	215	220+00		LT				13	1	1											740			
D15	215	220+00	220+79	RT				84																
D16	215	223+00		LT				13	1	1														
D17	215	222+80		RT				35																
CL-1	216	223+50	228+50	LT								0.095												
EL-1	216	223+50	228+50	LT									0.095											
EL-2	216	223+50	228+50	LT									0.095											
PB-10	216	223+50	228+50	LT															5		3	3	201	
P10	216	223+50	228+50	LT																				
D18	216	226+16		LT				12	1	1											750			
CL-1	217	228+50	233+50	LT								0.095												
EL-1	217	228+50	233+50	LT									0.095											
EL-2	217	228+50	233+50	LT									0.095											
SL-1	217	10+61		LT													10							
PB-11	217	228+50	233+50	LT															3		3	3	387	
P11	217	228+50	233+50	LT																				
CL-1	218	233+50	238+50	LT								0.095												
EL-1	218	233+50	238+50	LT									0.095											
EL-2	218	233+50	238+50	LT									0.095											
PB-12	218	233+50	238+50	LT															1		4	4	439	
P12	218	233+50	238+50	LT																				
D19	218	237+85		LT				12	1	1											700			
CL-1	219	238+50	243+50	LT								0.095												
EL-1	219	238+50	243+50	LT									0.095											
EL-2	219	238+50	243+50	LT									0.095											
PB-13	219	238+50	243+50	LT																				
P13	219	238+50	243+50	LT																				
D20	219	240+50		LT				12	1	1														
CL-1	220	243+50	248+50	LT								0.095												
EL-1	220	243+50	248+50	LT									0.095											
EL-2	220	243+50	248+50	LT									0.095											
PB-14	220	243+50	248+50	LT																				
P14	220	243+50	248+50	LT																				
D22	220	245+99		LT				12	1	1														
D23	220	248+00		LT				12	1	1														
CL-1	221	248+50	253+50	LT								0.095												
EL-1	221	248+50	253+50	LT									0.095											
EL-2	221	248+50	253+50	LT									0.095											
PB-15	221	248+50	253+50	LT																				
P15	221	248+50	253+50	LT																				
D24	221	252+60		LT				12	1	1														
GR-2	221	252+50	253+50	LT	87.5		1																	
<b>SUBTOTAL SHEET 57</b>					87.5		1	335	9	9		0.685	1.330				24		18	5080	26	26	2555	

<b>MAINTENANCE OF TRAFFIC SUBSUMMARY</b>	CALCULATED
	ARK
CHECKED	
EJT	

LAK-US-20-19.59

PART 1

57  
1253

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REF NO.	SHEET NO.	STATION TO STATION			SIDE	606	606	606	611	611	611	614	614	614	614	614	614	614	614	615	614	614	622		
						GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED
		PHASE 3				FT	EACH	EACH	FT	EACH	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT
CL-1	222	253+50		258+50	LT							0.095													
EL-1	222	253+50		258+50	LT								0.095												
EL-2	222	253+50		258+50	LT								0.095												
PB-16	222	253+50		258+50	LT																5	5	500		
P16	222	253+50		258+50	LT														750						
D25	222	254+05			LT				12	1	1														
D26	222	255+49			LT				13	1	1														
D27	222	255+10		255+50	RT				48																
D28	222	258+25			LT				13	1	1														
D29	222	258+00		258+25	RT				35																
GR-3	222	253+50		254+87.5	LT	125		1																	
CL-1	223	258+50		263+50	LT							0.095													
EL-1	223	258+50		263+50	LT								0.095												
EL-2	223	258+50		263+50	LT								0.095												
PB-17	223	258+50		263+50	LT															2		3	3	308	
P17	223	258+50		263+50	LT																750				
D30	223	261+25			LT				13	1	1														
D31	223	261+00		261+25	RT				35																
CL-1	224	263+50		268+50	LT							0.095													
EL-1	224	263+50		268+50	LT								0.095												
EL-2	224	263+50		268+50	LT								0.095												
PB-18	224	263+50		268+50	LT																	5	5	500	
P18	224	263+50		268+50	LT																750				
D32	224	264+25			LT				13	1	1														
D33	224	264+25		264+50	RT				37																
D34	224	267+25			LT				13	1	1														
D35	224	267+25		267+75	RT				57																
GR-4	224	266+50		268+50	LT																				
						187.5		1																	
CL-1	225	268+50		273+50	LT							0.095													
CL-2	225	273+30		273+50	LT							0.004													
EL-1	225	268+50		273+50	LT								0.095												
EL-2	225	268+50		273+50	LT								0.095												
PB-19	225	268+50		273+50	LT																2		4	4	408
P19	225	268+50		273+50	LT																	750			
D36	225	270+00			LT				13	1	1														
D37	225	270+00		270+25	RT				37																
GR-5	225	268+50		269+50	LT	87.5		1																	
CL-1	226	273+50		278+50	LT							0.095													
CL-2	226	273+50		276+95	LT							0.065													
EL-1	226	273+50		278+50	LT								0.095												
EL-2	226	273+50		278+50	RT & LT								0.095												
LL-1	226	277+20		278+50	RT						0.025														
TL-1	226	273+50		276+95	LT																				
CH-1	226	277+20		278+50	LT									130				100							
LA-1	226	277+31			LT																				
LA-2	226	277+84			LT																				
LA-3	226	278+37			LT																				
PB-20	226	273+50		274+30	RT & LT																1		1	80	
P20	226	273+50		275+22	LT																	82			
CL-1	227	278+50		283+50	LT							0.095													
CL-2	227	282+50		283+50	LT							0.019													
EL-1	227	278+50		283+50	LT								0.095												
SUBTOTAL SHEET 58						400.0	3	339	7	7	0.025	0.658	1.045	130		100			3	5	3082	18	18	1796	

MAINTENANCE OF TRAFFIC SUBSUMMARY

LAK-US-20-19.59 PART 1

CALCULATED  
ARK  
CHECKED  
EJT

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	606	606	606	611	611	611	614	614	614	614	614	614	614	614	615	614	614	622		
					GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED
PHASE 3					FT	EACH	EACH	FT	EACH	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT
EL-2	227	278+50	283+50	RT																				
EL-4	227	280+83	283+50	RT										0.095										
LL-1	227	278+50	283+50	RT							0.095													
CH-1	227	278+50	279+00	LT											50									
CH-2	227	281+01	282+25	LT											124									
DL-1	227	283+00	283+50	LT												50								
CW-1	227	279+21		RT & LT																				
CW-2	227	280+75		RT & LT																				
CW-3	227	10+50		LT																				
CW-4	227	9+50		RT																				
SL-1	227	279+00		RT & LT																				
SL-2	227	281+01		LT																				
SL-3	227	10+57		LT																				
SL-4	227	9+43		RT																				
LA-1	227	278+90		LT																				
LA-2	227	281+11		LT																				
LA-3	227	281+61		LT																				
LA-4	227	282+11		LT																				
CL-1	228	283+50	288+50	LT & C/L										0.095										
CL-2	228	283+50	288+50	LT										0.095										
EL-1	228	283+50	286+40	RT											0.055									
EL-2	228	283+50	288+50	RT											0.095									
LL-1	228	283+50	288+50	RT							0.095													
CL-1	229	288+50	293+50	C/L																				
CL-2	229	288+50	293+50	LT										0.095										
LL-1	229	288+50	293+50	RT							0.095													
DL-1	229	289+15	293+50	LT												435								
CL-1	230	293+50	296+55	CL																				
CL-2	230	293+50	294+55	LT/CL										0.058										
LL-1	230	293+50	296+55	RT										0.058										
LL-2	230	294+55	296+55	LT										0.034										
DL-1	230	293+50	294+55	LT													105							
<b>OHIO STREET</b>																								
CL-1	235	218+66	219+44	RT																				
CL-2	235	6+87	9+87	LT																				
EL-1	235	218+56	219+59	RT																				
EL-2	235	6+87	10+06	LT																				
EL-3	235	6+87	9+92	LT																				
SL-1	235	9+87		LT																				
PB-21	235	218+56	219+36	LT																				
P21	235	7+37	9+87	RT																				
CL-1	236	219+66	220+15	RT																				
CL-2	236	6+54	9+60	LT																				
EL-1	236	219+51	220+30	RT																				
EL-2	236	6+54	9+56	LT																				
EL-3	236	6+54	10+02	LT																				
SL-1	236	9+60		LT																				
PB-21	236	219+76	220+51	LT																				
P22	236	6+54	9+25	LT																				
SUBTOTAL SHEET 59											0.380	0.600	0.570	174	590		143	623	4	3	385	2	2	155
SUBTOTALS FROM SHEET 55											0.204	0.621	0.934	471	450	108	80	512	12	2	2	220		
SUBTOTALS FROM SHEET 56					125	1	1	215	9	9		0.665	1.322			121	11		19	5700	27	27	2895	
SUBTOTALS FROM SHEET 57					88			335	9	9		0.685	1.330				24		18	5080	26	26	2555	
SUBTOTALS FROM SHEET 58					400		3	339	7	7	0.025	0.658	1.045	130		100		3	5	3082	18	18	1796	
TOTAL					613	1	5	889	25	25	0.609	3.229	5.201	775	1040	329	258	1135	19	47	14247	75	75	7621
TOTALS CARRIED TO GENERAL SUMMARY					613	1	5	889	25	25	0.61	3.23	5.20	775	1040	329	258	1135	19	47	14247	75	75	7621

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

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REF NO.	SHEET NO.	STATION TO STATION	SIDE																		
PHASE 4																					
CL-2	247	160+50	163+50	RT																	
CL-2	248	163+50	168+50	RT																	
CL-3	248	167+25	168+50	LT																	
EL-1	248	166+20	168+50	RT																	
EL-3	248	166+50	168+50	LT																	
LL-2	248	167+25	168+50	RT																	
CL-1	249	168+50	173+50	RT																	
CL-2	249	168+50	171+15	RT																	
EL-1	249	168+50	173+50	LT																	
EL-2	249	168+50	173+50	RT																	
LL-1	249	168+50	173+50	LT																	
TL-1	249	168+50	171+15	RT																	
CH-1	249	171+40	172+58	RT																	
SL-1	249	172+58		RT																	
LA-1	249	171+52		RT																	
LA-2	249	172+00		RT																	
LA-3	249	172+48		RT																	
CL-1	250	173+50	178+50	RT																	
EL-1	250	173+50	178+50	LT																	
EL-2	250	173+50	178+50	RT																	
LL-1	250	173+50	178+50	LT																	
CH-1	250	174+48	178+50	RT																	
CH-2	250	175+12	177+30	RT																	
SL-1	250	174+48		RT & LT																	
LA-1	250	174+58		RT																	
LA-2	250	175+23		RT																	
LA-3	250	175+88		RT																	
LA-4	250	176+53		RT																	
LA-5	250	177+18		RT																	
LA-6	250	177+83		RT																	
LA-7	250	178+48		RT																	
LA-8	250	175+30		RT																	
LA-9	250	175+95		RT																	
LA-10	250	176+60		RT																	
CL-1	251	178+50	183+50	RT																	
CL-2	251	178+85	181+83	RT																	
EL-1	251	178+50	183+50	RT & LT																	
EL-2	251	178+50	181+83	RT																	
LL-1	251	178+50	178+60	LT																	
CH-1	251	178+50	178+60	RT																	
TL-1	251	178+85	181+83	RT																	
PB-1	251	181+00	183+50	RT & LT																	
SUBTOTAL SHEET 60																					

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59**  
**PART 1**

CALCULATED  
ARK  
CHECKED  
EJT

614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	622	
WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT				WORK ZONE ARROW, CLASS I, 642 PAINT				WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)				BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED
MILE	MILE	MILE	FT	FT	FT	FT				EACH				EACH				EACH	EACH	FT

0.220 0.570 0.620 748 188 55 13 1 3 3 250

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REF NO.	SHEET NO.	STATION TO STATION		SIDE																
					614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614
					WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 1, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 1, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT		WORK ZONE ARROW, CLASS I, 642 PAINT		WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)		BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED	
					MILE	MILE	MILE	FT	FT	FT	FT		EACH		EACH		EACH	EACH	FT	
<b>PHASE 4</b>																				
CL-1	252	183+50	187+50	RT		0.095														
CL-2	252	10+33	10+79	LT		0.009														
EL-1	252	183+50	187+50	RT & LT			0.095													
SL-1	252	188+10		LT							14.5									
PB-2	252	183+50	187+55	C/L & LT										1		4	4	405		
CL-1	253	189+12	193+50	RT		0.083														
CL-2	253	10+79	11+25	LT		0.009														
EL-1	253	188+67	193+50	RT			0.091													
PB-3	253	189+07	193+50	C/L										3		2	2	94		
CL-1	254	193+50	198+50	RT		0.095														
EL-1	254	193+50	198+50	RT			0.095													
PB-4	254	193+50	198+50	C/L										2		3	3	343		
CL-1	255	198+50	203+50	RT		0.095														
EL-1	255	198+50	203+50	RT			0.095													
PB-5	255	198+50	203+50	C/L										2		4	4	412		
CL-1	256	203+50	208+50	RT		0.095														
EL-1	256	203+50	208+50	RT			0.095													
PB-6	256	203+50	208+50	C/L										2		4	4	418		
CL-1	257	208+50	213+50	RT		0.095														
EL-1	257	208+50	213+50	RT			0.095													
PB-7	257	208+50	213+50	C/L										5		3	3	320		
CL-1	258	213+50	218+50	RT		0.095														
EL-1	258	213+50	218+50	RT			0.095													
PB-8	258	213+50	218+50	C/L										5		3	3	205		
CL-1	259	218+50	223+50	RT		0.095														
EL-1	259	218+50	223+50	RT			0.095													
SL-1	259	9+45		RT							12									
PB-9	259	218+50	223+50	C/L										4		3	3	256		
CL-1	260	223+50	228+50	RT		0.095														
EL-1	260	223+50	228+50	RT			0.095													
PB-10	260	223+50	227+30	C/L										3		3	3	265		
CL-1	261	228+50	233+50	RT		0.095														
CL-2	261	10+34	11+75	LT		0.027														
EL-1	261	228+50	233+50	RT & LT			0.095													
SL-1	261	229+23		LT							13.5									
PB-11	261	230+29	233+50	C/L										1		3	3	322		
SUBTOTAL SHEET 61						0.980	0.950				40			28		32	32	3040		

<b>MAINTENANCE OF TRAFFIC SUBSUMMARY</b>				
<b>LAK-US-20-19.59 PART 1</b>				
<table border="1" style="margin: auto;"> <tr> <td style="padding: 2px;">CALCULATED</td> <td style="padding: 2px;">ARK</td> </tr> <tr> <td style="padding: 2px;">CHECKED</td> <td style="padding: 2px;">EJT</td> </tr> </table>	CALCULATED	ARK	CHECKED	EJT
CALCULATED	ARK			
CHECKED	EJT			
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61				
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REF NO.	SHEET NO.	STATION TO STATION		SIDE																
					614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614
					WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 1, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 1, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT		WORK ZONE ARROW, CLASS I, 642 PAINT		WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)		BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED	
					MILE	MILE	MILE	FT	FT	FT	FT		EACH		EACH		EACH	EACH	FT	
<b>PHASE 4</b>																				
CL-1	262	233+50	238+50	RT																
EL-1	262	233+50	238+50	RT																
PB-12	262	233+50	238+50	C/L											4		3	3	316	
CL-1	263	238+50	243+50	RT																
EL-1	263	238+50	243+50	RT																
PB-13	263	238+50	243+50	C/L											6		3	3	169	
CL-1	264	243+50	248+50	RT																
EL-1	264	243+50	248+50	RT																
PB-14	264	243+50	248+50	C/L											4		2	2	241	
CL-1	265	248+50	253+50	RT																
EL-1	265	248+50	253+50	RT																
PB-15	265	248+50	253+50	C/L											4		3	3	246	
CL-1	266	253+50	258+50	RT																
EL-1	266	253+50	258+50	RT																
PB-16	266	253+50	258+50	C/L											4		4	4	386	
CL-1	267	258+50	263+50	RT																
EL-1	267	258+50	263+50	RT																
PB-17	267	258+50	263+50	C/L											2		4	4	408	
CL-1	268	263+50	268+50	RT																
EL-1	268	263+50	268+50	RT																
PB-18	268	263+50	268+50	C/L											6		4	4	254	
CL-1	269	268+50	273+50	RT																
CL-2	269	273+30	273+50	RT																
EL-1	269	268+50	273+50	RT																
EL-2	269	273+32	273+50	RT																
PB-19	269	268+50	273+50	C/L											2		4	4	418	
CL-1	270	273+50	278+50	RT																
CL-2	270	273+50	276+28	RT																
EL-1	270	273+50	278+50	RT & LT																
EL-2	270	273+50	278+50	RT																
CH-1	270	276+53	278+50	RT				197												
TL-1	270	273+50	276+28	RT																
LA-1	270	276+65		RT																
LA-2	270	277+25		RT																
LA-3	270	277+85		RT																
LA-4	270	278+45		RT																
CL-1	271	278+50	283+50	RT																
CL-2	271	282+50	283+50	RT																
EL-1	271	278+50	283+50	LT																
EL-2	271	278+50	283+50	RT																
<b>SUBTOTAL SHEET 62</b>																				
					1.030	1.140	197	86					4		32		27	27	2438	

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59  
PART 1**

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REF NO.	SHEET NO.	STATION TO STATION	SIDE																
				614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614
				WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 1, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 1, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT		WORK ZONE ARROW, CLASS I, 642 PAINT		WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)		BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED	
				MILE	MILE	MILE	FT	FT	FT	FT		EACH		EACH		EACH	EACH	FT	
<b>PHASE 4</b>																			
CH-1	271	278+50	279+15	RT				65											
CH-2	271	281+01	282+25	LT				124											
CH-3	271	281+01	282+25	RT				124											
TL-1	271	282+50	283+50	RT						60									
DL-1	271	283+00	283+50	LT				50											
SL-1	271	279+15		RT							22								
SL-2	271	281+01		RT & LT							33								
LA-1	271	279+05		RT								1							
LA-2	271	281+11		RT								1							
LA-3	271	281+61		RT								1							
LA-4	271	282+11		RT								1							
LA-5	271	281+11		LT								1							
LA-6	271	281+61		LT								1							
LA-7	271	282+11		LT								1							
CL-2	272	283+50	286+40	RT			0.055												
CL-3	272	283+50	286+40	RT			0.055												
EL-1	272	283+50	288+65	LT				0.041											
EL-2	272	283+50	288+50	LT				0.095											
TL-1	272	283+50	286+40	RT						45									
EL-1	273	288+50	293+50	LT				0.095											
EL-1	274	293+50	294+55	LT				0.020											
<b>BLACKMORE ROAD</b>																			
CL-1	284	187+80	189+12	RT			0.025												
EL-1	284	187+65	188+97	RT				0.025											
PB-28	284	186+70	189+22	CL											3	3	252		
<b>PERRY PARK ROAD</b>																			
CL-1	285	228+89	230+19	RT			0.025												
EL-1	285	228+74	230+04	RT				0.025											
PB-29	285	228+30	230+29	CL											2	2	199		
SUBTOTAL SHEET 63							0.160	0.300	313	50	105	55	7		5	5	451		
SUBTOTALS FROM SHEET 60							0.220	0.570	0.620	748		188	55	13	1	3	3	250	
SUBTOTALS FROM SHEET 61								0.980	0.950				40	28	32	32	3040		
SUBTOTALS FROM SHEET 62								1.030	1.140	197		86		4	32	27	27	2438	
TOTAL							0.220	2.740	3.010	1258	50	379	150	24	61	67	67	6179	
TOTALS CARRIED TO GENERAL SUMMARY							0.22	2.74	3.01	1258	50	379	150	24	61	67	67	6179	

<b>MAINTENANCE OF TRAFFIC SUBSUMMARY</b>				
<b>LAK-US-20-19.59</b>				
<b>PART 1</b>				
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REF NO.	SHEET NO.	STATION TO STATION	SIDE	606	606	606	611	611	611	611	614	614	614	614	614	614	614	614	614	615	614	614	622				
				GUARDRAIL, TYPE MGS, AS PER PLAN	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN	12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	INLET RECONSTRUCTED TO GRADE, AS PER PLAN	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED			
PHASE 5				FT	EACH	EACH	FT	EACH	EACH	EACH	MILE	MILE	MILE	FT	FT	FT	FT	FT	EACH	EACH	SY	EACH	EACH	FT			
CL-1	321	93+80	95+50	C/L										0.032													
EL-1	321	93+53	95+50	LT										0.037													
EL-2	321	93+80	95+50	RT										0.032													
CL-1	322	95+50	100+50	LT										0.095													
EL-1	322	95+50	100+50	LT										0.095													
EL-2	322	95+50	100+50	RT										0.095													
PB-1	322	99+60	100+50	RT																	1	1	1	90			
CL-1	323	100+50	105+50	LT										0.095													
EL-1	323	100+50	104+57	LT										0.077													
EL-2	323	100+50	105+50	LT										0.095													
EL-3	323	885+75	888+44	LT										0.051													
EL-4	323	886+75	887+52	LT										0.015													
CH-1	323	887+52	888+44	LT											92												
CH-2	323	104+57	105+50	LT											93												
PB-2	323	100+50	105+50	RT & C/L																		5	5	500			
P1	323	101+50	105+37	LT																		170					
CL-1	324	105+50	110+50	LT										0.095													
EL-1	324	105+50	110+50	LT										0.095													
EL-2	324	105+50	109+27	LT										0.071													
CH-1	324	105+50	106+57	LT											107												
CH-2	324	105+50	106+57	LT											107												
PB-3	324	105+50	108+07	C/L & RT																							
P2	324	109+49	110+50	RT																			66				
P3	324	108+00	110+00	RT																			276				
CL-1	325	110+50	115+50	LT										0.095													
EL-1	325	110+50	115+50	LT										0.095													
LL-1	325	111+28	115+50	LT									0.080														
P4	325	110+50	115+50	RT																			364				
P5	325	114+45	115+50	LT																			100				
CL-1	326	115+50	119+40	LT										0.074													
CL-2	326	120+00	120+50	LT										0.010													
EL-1	326	115+50	120+50	LT										0.095													
EL-2	326	115+50	120+50	LT										0.095													
LL-1	326	115+50	120+50	LT									0.095														
P6	326	115+50	120+50	LT																			575				
P7	326	115+50	118+88	LT																			222				
SUBTOTAL SHEET 66														0.180	0.500	0.950	399						1	1773	9	9	847

MAINTENANCE OF TRAFFIC SUBSUMMARY

LAK-US-20-19.59 PART 1

CALCULATED  
ARK  
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REF NO.	SHEET NO.	STATION TO STATION				SIDE	611	611	611	611	614	614	614	614	614	614	614	614	615	614	614	622				
							12" CONDUIT, TYPE B, AS PER PLAN	CATCH BASIN, NO. 6, AS PER PLAN	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	INLET RECONSTRUCTED TO GRADE, AS PER PLAN	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN		BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED
PHASE 5 - SUBPHASE 3							FT	EACH	EACH	EACH	MILE	MILE	MILE	FT	FT	FT	FT	EACH	SF	EACH	SY	EACH	EACH	FT		
EL-1	314	892+10	S.R.2		893+56	RT																				
EL-2	314	892+10	S.R.2		112+00	RT							0.028													
CH-1	314	109+27			111+27	LT								200												
CH-2	314	893+56	S.R.2		111+27	LT								200												
LL-1	314	111+27			112+00	LT				0.014																
PB-1	314	107+67			108+67	LT															1		1	1	100	
EL-1	315	112+00			117+50	RT							0.104													
LL-1	315	112+00			116+00	LT				0.076																
PB-2	315	116+47			117+50	RT															1		1	1	103	
EL-1	316	117+50			123+00	RT							0.104													
PB-3	316	117+50			118+73	LT															1		1	1	103	
PB-4	316	119+33			121+71	LT															2		2	2	198	
EL-1	317	123+00			123+80	LT							0.015													
PB-5	317	137+25			139+50	LT															1		2	2	205	
SUBTOTAL SHEET 65											0.090		0.330	400							6		7	7	709	
SUBTOTALS FROM SHEET 64											0.060		1.490	177								6		34	34	3243
TOTAL											0.150		1.820	577								12		41	41	3952
TOTALS CARRIED TO GENERAL SUMMARY											0.15		1.82	577								12		41	41	3952

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
ARK  
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REF NO.	SHEET NO.	STATION TO STATION	SIDE	606	606	606	611	611	611	611	614	614	614	614	614	614	614	614	614	615	614	614	622		
				GUARDRAIL, TYPE MGS, AS PER PLAN FT	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016) EACH	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN EACH	12" CONDUIT, TYPE B, AS PER PLAN FT	15" CONDUIT, TYPE B, AS PER PLAN FT	CATCH BASIN, NO. 6, AS PER PLAN EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN EACH	INLET RECONSTRUCTED TO GRADE, AS PER PLAN EACH	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT FT	WORK ZONE ARROW, CLASS I, 642 PAINT EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) EACH	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN SY	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL) EACH	OBJECT MARKER, TWO WAY EACH	PORTABLE BARRIER, UNANCHORED FT
<b>PHASE 5</b>																									
CL-1	327	120+50	138+50	LT								0.099													
EL-1	327	120+50	138+50	LT									0.099												
EL-2	327	120+50	138+50	LT									0.100												
P8	327	120+50	138+50	RT																765					
D1	327	123+82		LT				10		1	1														
CL-1	328	138+50	143+50	LT								0.095													
EL-1	328	138+50	143+50	LT									0.095												
EL-2	328	138+50	143+50	LT									0.095												
PB-7	328	141+51	143+50	LT																	1	2	2	183	
P9	328	138+50	143+50	LT																		780			
CL-1	329	143+50	148+50	LT								0.095													
CL-2	329	0+75	1+26	RT								0.010													
EL-1	329	143+50	148+50	LT									0.095												
EL-2	329	143+50	148+50	LT									0.095												
SL-1	329	145+02		RT													13								
PB-8	329	143+50	148+50	LT																	4	3	3	288	
P10	329	143+50	148+50	LT																		815			
D2	329	144+45		LT				14		1	1														
GR-1	329	148+00	148+50	LT	37.5		1																		
CL-1	330	148+50	153+50	LT								0.095													
EL-1	330	148+50	153+50	LT									0.095												
EL-2	330	148+50	153+50	LT									0.095												
PB-9	330	148+50	153+50	LT																	5	3	3	270	
P11	330	148+50	153+50	LT																		800			
D3	330	149+27		LT				15		1	1														
GR-2	330	148+50	152+00	LT	300	1																			
CL-1	331	153+50	158+50	LT								0.095													
EL-1	331	153+50	158+50	LT									0.095												
EL-2	331	153+50	158+50	LT									0.095												
PB-10	331	153+50	158+50	LT																	4	3	3	208	
P12	331	153+50	158+50	LT																		800			
D4	331	154+75		LT				13		1	1														
D5	331	154+50	154+75	RT				37																	
GR-3	332	157+50	158+50	LT	50	1																			
CL-1	332	158+50	163+50	LT								0.095													
EL-1	332	158+50	163+50	LT									0.095												
EL-2	332	158+50	163+50	LT									0.095												
PB-11	332	158+50	163+50	LT																	4	2	2	162	
P13	332	158+50	163+50	LT																		750			
D6	332	163+00		LT				13		1	1														
D7	332	162+96	163+00	RT				28																	
GR-4	332	158+50	161+00	LT	200	1																			
CL-1	333	163+50	168+50	LT								0.095													
CL-2	333	168+10	168+50	LT								0.008													
EL-1	333	163+50	168+50	LT									0.095												
EL-2	333	163+50	168+50	LT									0.095												
PB-12	333	163+96	166+90	LT																	3	3	3	278	
P14	333	163+50	168+50	LT																		725			
D8	333	166+23	166+30	LT				8	39	1	1														
D9	333	168+00	168+10	LT				10		1	1														
<b>SUBTOTAL SHEET 67</b>					588	3	1	148	39	7	5	2	0.690	1.340				13			21	5435	16	16	1389

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59**

**PART 1**

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	611	611	611	611	614	614	614	614	614	614	614	614	614	615	614	614	622	
					12" CONDUIT, TYPE B, AS PER PLAN FT	CATCH BASIN, NO. 6, AS PER PLAN EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN EACH	INLET RECONSTRUCTED TO GRADE, AS PER PLAN EACH	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT FT	WORK ZONE ARROW, CLASS I, 642 PAINT EACH	WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT SF	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) EACH	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN SY	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL) EACH	OBJECT MARKER, TWO WAY EACH
<b>PRE-PHASE 5</b>																						
EL-1	288	146+75		148+50	LT																	
PB-1	288	148+50		148+50	LT																	
EL-1	289	148+50		153+50	LT																	
PB-1	289	148+50		150+70	LT																	
EL-1	290	153+50		156+00	LT																	
<b>PHASE 5 - SUBPHASE 1</b>																						
EL-1	297	887+50	S.R.2	890+50	LT																	
EL-2	297	887+50	S.R.2	890+50	RT																	
PB-1	297	890+10	S.R.2	890+50	RT																	
CH-1	298	893+56	S.R.2	111+06	LT								177									
EL-1	298	890+50	S.R.2	893+56	LT								0.058									
EL2	298	890+50	S.R.2	111+58	RT								0.101									
LL-1	298	111+06		111+28	RT								0.004									
PB-2	298	890+50	S.R.2	112+00	RT																	
EL-1	299	112+00		117+50	LT								0.104									
PB-3	299	112+00		117+50	LT																	
EL-1	300	117+50		123+00	LT								0.104									
PB-4	300	117+50		118+50	LT																	
EL-1	301	123+00		123+80	LT								0.015									
<b>PHASE 5 - SUBPHASE 2</b>																						
EL-1	305	887+50	S.R.2	890+50	LT								0.057									
EL-2	305	887+50	S.R.2	890+50	RT								0.057									
PB-1	305	890+00	S.R.2	890+50	LT																	
EL-1	306	890+50	S.R.2	112+00	LT								0.106									
EL-2	306	890+50	S.R.2	112+00	RT								0.106									
EL-3	306	109+27		112+00	RT								0.052									
PB-2	306	890+50	S.R.2	112+00	RT																	
PB-3	306	107+67		112+00	LT																	
EL-1	307	112+00	S.R.2	117+50	RT								0.104									
EL-2	307	112+00	S.R.2	117+50	RT								0.104									
EL-3	307	112+00		117+50	LT								0.104									
PB-4	307	112+00	S.R.2	115+50	RT																	
PB-5	307	112+00		115+50	LT																	
EL-1	308	117+50		117+75	LT								0.005									
EL-2	308	117+50	S.R.2	117+75	LT								0.005									
EL-3	308	117+50		123+00	RT								0.104									
LL-1	308	117+75		120+80	LT								0.058									
EL-1	309	123+00		123+80	LT								0.015									
<b>SUBTOTAL SHEET 64</b>									0.060				1.490		177					6		

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
ARK  
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REF NO.	SHEET NO.	STATION TO STATION	SIDE	606	606	606	611	611	611	611	614	614	614	614	614	614	614	614	614	615	614	614	622	
				GUARDRAIL, TYPE MGS, AS PER PLAN FT	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016) EACH	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN EACH	12" CONDUIT, TYPE B, AS PER PLAN FT	CATCH BASIN, NO. 6, AS PER PLAN EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN EACH	INLET RECONSTRUCTED TO GRADE, AS PER PLAN EACH	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT FT	WORK ZONE ARROW, CLASS I, 642 PAINT EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) EACH	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN SY	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL) EACH	OBJECT MARKER, TWO WAY EACH	PORTABLE BARRIER, UNANCHORED FT
<b>PHASE 5</b>																								
CL-1	334	168+50					173+50	LT																
CL-2	334	168+50					171+75	LT																
EL-1	334	168+50					173+50	LT																
EL-2	334	168+50					173+50	RT & LT																
LL-1	334	171+50					173+50	RT																
CH-1	334	172+00					172+58	LT																
CW-1	334	173+06						RT & LT																
CW-2	334	173+50						RT																
SL-1	334	172+58						RT & LT																
SL-2	334	19+56						RT																
TL-1	334	168+50					171+75	LT																
LA-1	334	172+10						LT																
LA-2	334	172+48						LT																
P15	334	168+50					170+88	LT																
CL-1	335	173+50					178+50	LT																
CL-2	335	176+35					178+50	LT																
EL-1	335	173+50					178+50	LT																
EL-2	335	173+50					178+50	RT																
LL-1	335	174+48					178+50	RT																
DL-1	335	177+33					178+50	LT																
CW-1	335	174+15						RT & LT																
CW-2	335	173+50						LT																
SL-1	335	174+48						LT																
SL-2	335	20+63						LT																
CH-1	335	174+48					176+10	LT																
TL-1	335	176+83					176+59	LT																
LA-1	335	174+58						LT																
LA-2	335	175+20						LT																
LA-3	335	175+82						LT																
CL-1	336	178+50					183+50	LT																
CL-2	336	178+50					183+50	LT																
EL-1	336	178+50					182+73	LT																
EL-2	336	178+50					182+73	RT																
LL-1	336	178+50					183+50	RT																
LL-2	336	182+73					183+50	LT																
DL-1	336	182+75					183+50	LT																
CL-1	337	183+50					187+90	C/L																
CL-2	337	183+50					187+70	C/L																
LL-1	337	183+50					184+74	LT																
LL-2	337	187+70					187+90	RT																
DL-1	337	183+50					187+70	RT																
CL-1	338	188+70					193+50	RT																
LL-1	338	188+50					193+50	RT																
LL-2	338	189+00					193+50	RT																
<b>SUBTOTAL SHEET 68</b>																								
										0.430	0.740	0.540	220	612	170	79	517	5	125					

<b>MAINTENANCE OF TRAFFIC SUBSUMMARY</b>	<b>LAK-US-20-19.59</b>	<b>PART 1</b>				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">CALCULATED</td> <td style="width: 50%; text-align: center;">ARK</td> </tr> <tr> <td style="width: 50%; text-align: center;">CHECKED</td> <td style="width: 50%; text-align: center;">EJT</td> </tr> </table>	CALCULATED	ARK	CHECKED	EJT	68	1253
CALCULATED	ARK					
CHECKED	EJT					

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REF NO.	SHEET NO.	STATION TO STATION			SIDE	606	606	606	611	611	611	611	611	614	614	614	614	614	614	614	615	614	614	622			
						GUARDRAIL, TYPE MGS, AS PER PLAN FT	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016) EACH	ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN EACH	12" CONDUIT, TYPE B, AS PER PLAN FT	15" CONDUIT, TYPE B, AS PER PLAN FT	CATCH BASIN, NO. 6, AS PER PLAN EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN EACH	INLET RECONSTRUCTED TO GRADE, AS PER PLAN EACH	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT MILE	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT FT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 642 PAINT FT	WORK ZONE ARROW, CLASS I, 642 PAINT EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL) EACH	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN SY	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL) EACH	OBJECT MARKER, TWO WAY EACH	PORTABLE BARRIER, UNANCHORED FT
<b>NARROWS ROAD</b>																											
CL-1	345	144+31		145+32	LT									0.019													
EL-1	345	144+46		145+47	LT										0.019												
PB-27	345	144+19		146+42	LT																	2	2	223			
SUBTOTAL SHEET 69														0.020	0.020							2	2	223			
SUBTOTALS FROM SHEET 66													0.180	0.500	0.950	399					1	1773	9	9	847		
SUBTOTALS FROM SHEET 67						588	3	1	148	39	7	5	2		0.690	1.340						21	5435	16	16	1389	
SUBTOTALS FROM SHEET 68														0.430	0.740	0.540	220	612	170	79	517	5		125			
TOTAL						588	3	1	148	39	7	5	2	0.610	1.950	2.850	619	612	170	92	517	5	22	7333	27	27	2459
TOTALS CARRIED TO GENERAL SUMMARY						588	3	1	148	39	7	5	2	0.61	1.95	2.85	619	612	170	92	517	5	22	7333	27	27	2459

<b>LAK-US-20-19.59</b>	CALCULATED
	ARK
<b>PART 1</b>	CHECKED
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REF NO.	SHEET NO.	STATION TO STATION		SIDE																
					614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614
					WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 1, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 1, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT		WORK ZONE ARROW, CLASS I, 642 PAINT		WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)		BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED	
					MILE	MILE	MILE	FT	FT	FT	FT		EACH		EACH		EACH	EACH	FT	
<b>PHASE 6</b>																				
CL-1	351	97+31		100+50																
EL-1	351	97+31		100+50				0.060												
EL-2	351	97+31		100+50						0.060										
PB-1	351	99+65		100+50											1		1	1	85	
CL-1	352	100+50		105+50																
EL-1	352	100+50		105+50				0.095												
EL-2	352	100+50		105+40						0.095										
EL-3	352	885+75	S.R. 2	888+38						0.093										
EL-4	352	885+75	S.R. 2	888+38						0.050										
CH-1	352	105+40		105+50					10											
CH-2	352	888+38	S.R. 2	888+45					7											
PB-2	352	100+50		105+50												5	5	5	500	
CL-1	353	105+50		110+50																
EL-1	353	105+50		110+50				0.095												
EL-2	353	105+50		108+10						0.095										
EL-3	353	891+00	S.R. 2	892+35						0.049										
EL-4	353	891+00	S.R. 2	894+76						0.026										
CH-1	353	105+50		107+40						0.071										
CH-2	353	105+50		107+40					190											
CH-3	353	108+10		110+50					190											
CH-4	353	892+35	S.R. 2	894+76					240											
DL-1	353	107+40		110+40					241											
PB-3	353	105+50		106+25							300					1	1	1	75	
CL-1	354	110+50		115+50																
EL-1	354	110+50		115+50				0.095												
EL-2	354	110+50		115+50						0.095										
CH-1	354	110+50		112+00							150									
CH-2	354	110+50		112+00							150									
LL-1	354	112+00		115+50				0.066												
PB-4	354	110+65		115+50											1		5	5	485	
CL-1	355	115+50		118+90																
CL-2	355	119+75		120+50				0.064												
EL-1	355	115+50		120+50				0.014												
EL-2	355	115+50		119+25						0.095										
LL-1	355	115+50		119+25						0.071										
PB-5	355	115+50		118+76											1		3	3	326	
CL-1	356	120+50		138+50																
EL-1	356	120+50		138+50				0.100												
PB-6	356	121+20		137+66							0.100									
CL-1	357	138+50		143+50																
EL-1	357	138+50		143+50				0.095												
PB-7	357	138+50		143+50							0.095									
CL-1	358	143+50		148+50																
EL-1	358	143+50		148+50				0.095												
SL-1	358	2+99										18								
PB-8	358	144+00		148+50											1		4	4	434	
<b>SUBTOTAL SHEET 70</b>																				
					0.140	0.710	1.300	1178	300		18				13		24	24	2501	

**MAINTENANCE OF TRAFFIC SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
ARK  
CHECKED  
EJT

70  
1253

H:\2018\80743\0D0T\ProjectData\08665.LAK\_20.WEST\Design\MOT\Sheets\08665\_MS024.dgn Sheet 7/15/2022 3:09:32 PM Troyer

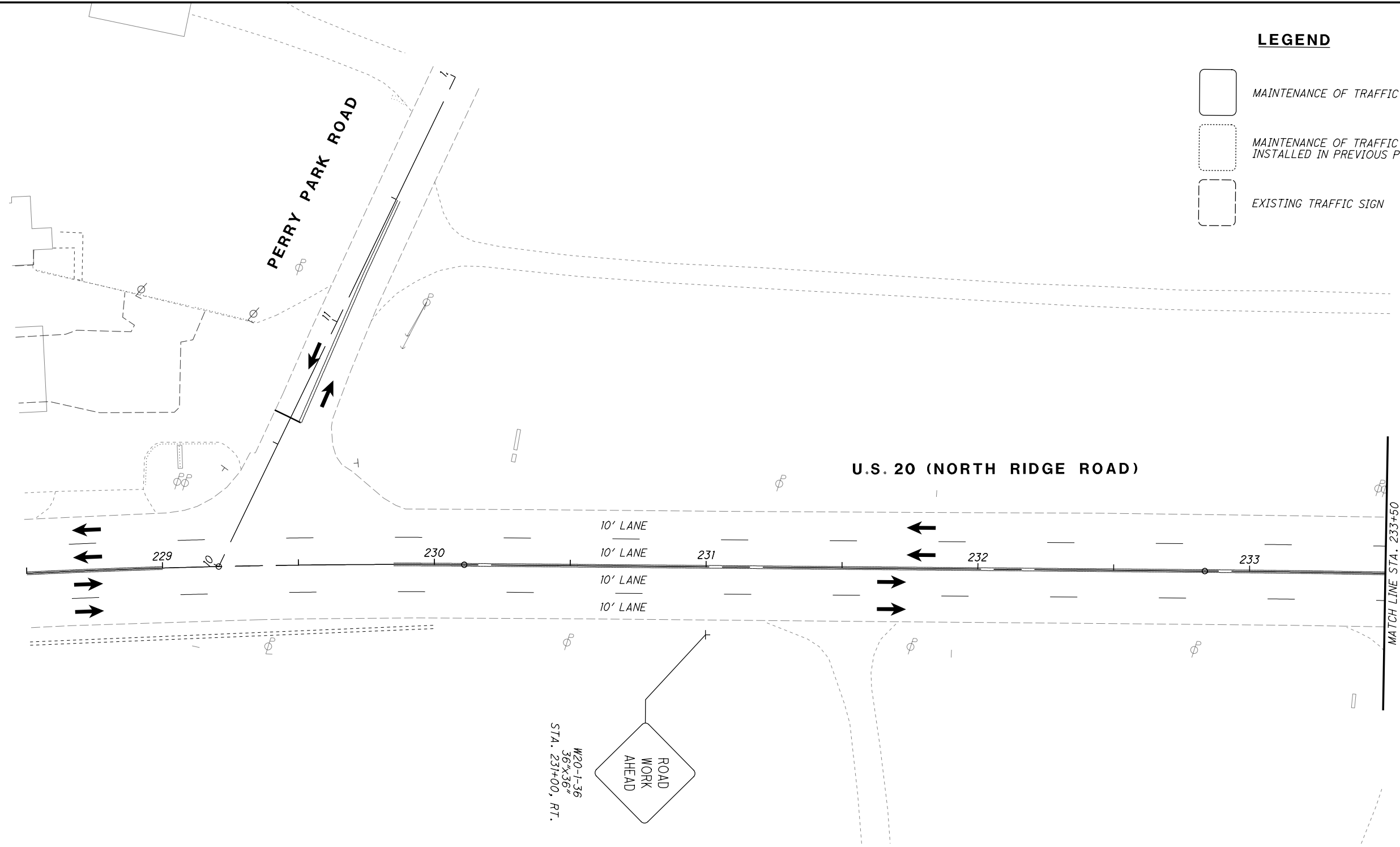
REF NO.	SHEET NO.	STATION TO STATION		SIDE																
					614	614	614	614	614	614	614	614	614	614	614	614	614	614	614	614
					WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT	WORK ZONE CENTER LINE, CLASS I, 1, 642 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT	WORK ZONE DOTTED LINE, CLASS I, 1, 4", 642 PAINT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT		WORK ZONE ARROW, CLASS I, 642 PAINT		WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)		BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	OBJECT MARKER, TWO WAY	PORTABLE BARRIER, UNANCHORED	
					MILE	MILE	MILE	FT	FT	FT	FT		EACH		EACH		EACH	EACH	FT	
<b>PHASE 6</b>																				
CL-1	359	148+50	153+50	RT		0.095														
EL-1	359	148+50	153+50	RT			0.095													
PB-9	359	148+50	153+50	C/L												5	5	500		
CL-1	360	153+50	158+50	RT		0.095														
EL-1	360	153+50	158+50	RT			0.095													
PB-10	360	153+50	158+50	C/L										2		4	4	358		
CL-1	361	158+50	163+50	RT		0.095														
EL-1	361	158+50	163+50	RT			0.095													
PB-11	361	158+50	163+50	C/L												5	5	500		
CL-1	362	163+50	168+50	RT		0.095														
CL-2	362	168+10	168+50	RT		0.008														
EL-1	362	163+50	168+50	RT			0.095													
EL-2	362	168+10	168+50	RT			0.008													
PB-12	362	163+50	168+50	C/L										3		4	4	352		
CL-1	363	168+50	173+50	RT		0.095														
CL-2	363	168+50	171+08	RT		0.049														
EL-1	363	168+50	173+50	RT & LT			0.095													
EL-2	363	168+50	173+50	RT			0.095													
SL-1	363	172+58									22									
CH-1	363	171+33	172+58	RT				125												
LA-1	363	171+48		RT									1							
LA-2	363	171+98		RT									1							
LA-3	363	172+48		RT									1							
TL-1	363	168+50	171+08	RT							86									
CL-1	364	173+50	178+50	RT		0.095														
CL-2	364	176+83	178+50	RT		0.032														
EL-1	364	173+50	178+50	LT			0.095													
EL-2	364	173+50	178+50	RT			0.095													
CH-1	364	174+48	176+58	LT				210												
CH-2	364	174+48	176+58	RT				210												
CH-3	364	175+11	177+33	RT				222												
SL-1	364	174+48		RT & LT								33								
DL-1	364	177+33	178+50	LT					117											
TL-1	364	176+83	178+50	RT							74									
LA-1	364	174+58		LT									1							
LA-2	364	175+20		LT									1							
LA-3	364	175+82		LT									1							
LA-4	364	176+44		LT									1							
LA-5	364	174+58		RT									1							
LA-6	364	175+20		RT									1							
LA-7	364	175+82		RT									1							
LA-8	364	176+44		RT									1							
LA-9	364	175+29		RT									1							
LA-10	364	175+91		RT									1							
LA-11	364	176+53		RT									1							
CL-1	365	178+50	180+25	RT & C/L		0.033														
CL-2	365	178+50	180+25	RT		0.033														
EL-1	365	178+50	180+25	LT			0.033													
EL-2	365	178+50	180+25	RT			0.033													
DL-1	365	178+50	182+73	LT					423											
TL-1	365	178+50	182+73	RT							56									
<b>SUBTOTAL SHEET 71</b>						0.720	0.830	767	540	216	55		14		5		18	18	1710	

**MAINTENANCE OF TRAFFIC SUBSUMMARY**




**LAK-US-20-19.59  
PART 1**

CALCULATED  
ARK  
CHECKED  
EJT





**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN














CALCULATED JDC  
CHECKED EJT



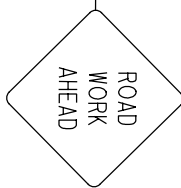
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HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59 PART 1**  
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1A**  
**CULVERT STA. 253+86**

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  TRAFFIC FLOW  |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |   |

W20-1-36  
36"x36"  
STA. 231+00, RT.

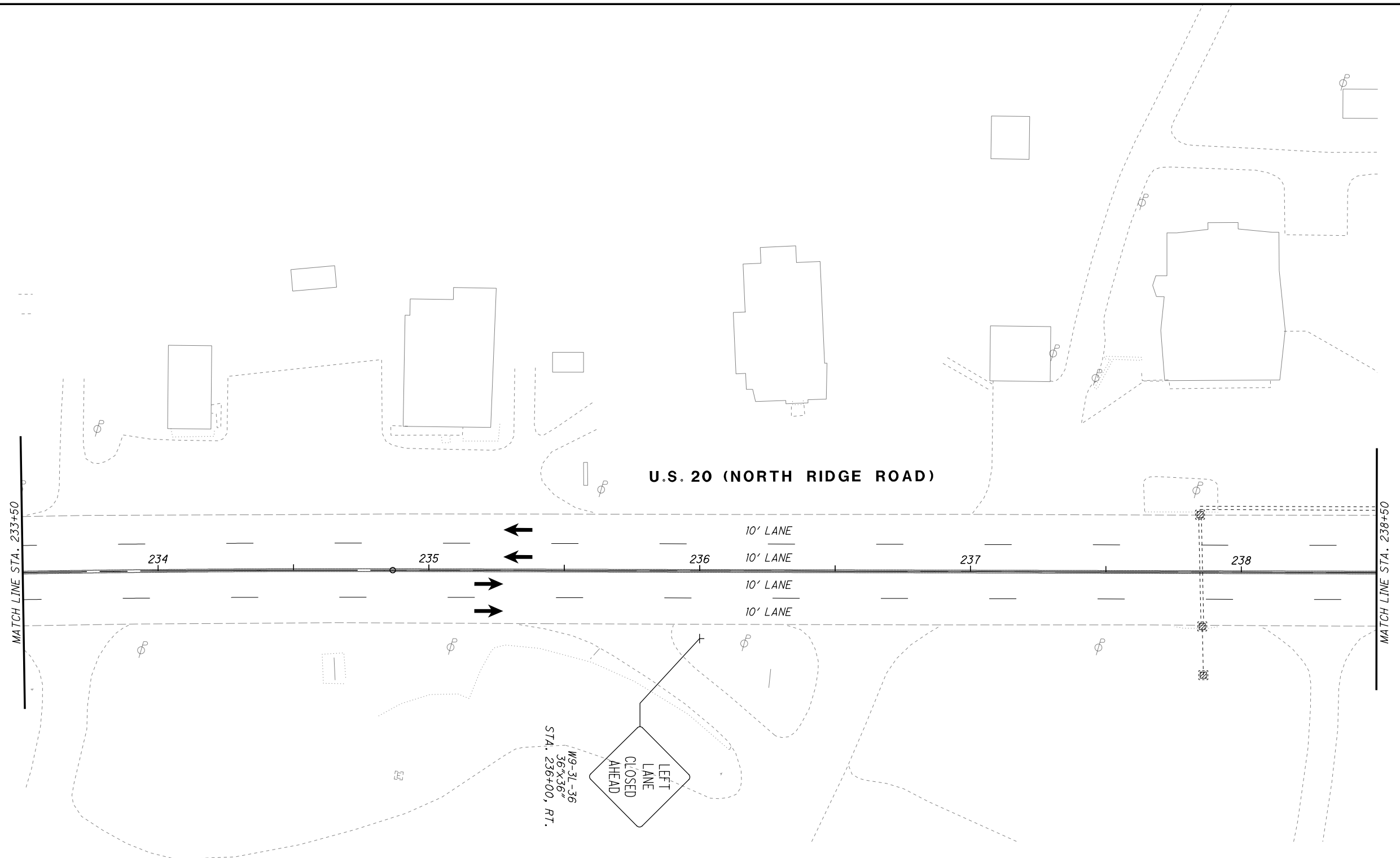


**LAK-US-20-19.59 PART 1**




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



CALCULATED JDC  
 CHECKED EJT  
 0 10 20 40  
 HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59**  
**PART 1**  
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1A**  
**CULVERT STA. 253+86**





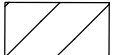



**LEGEND**

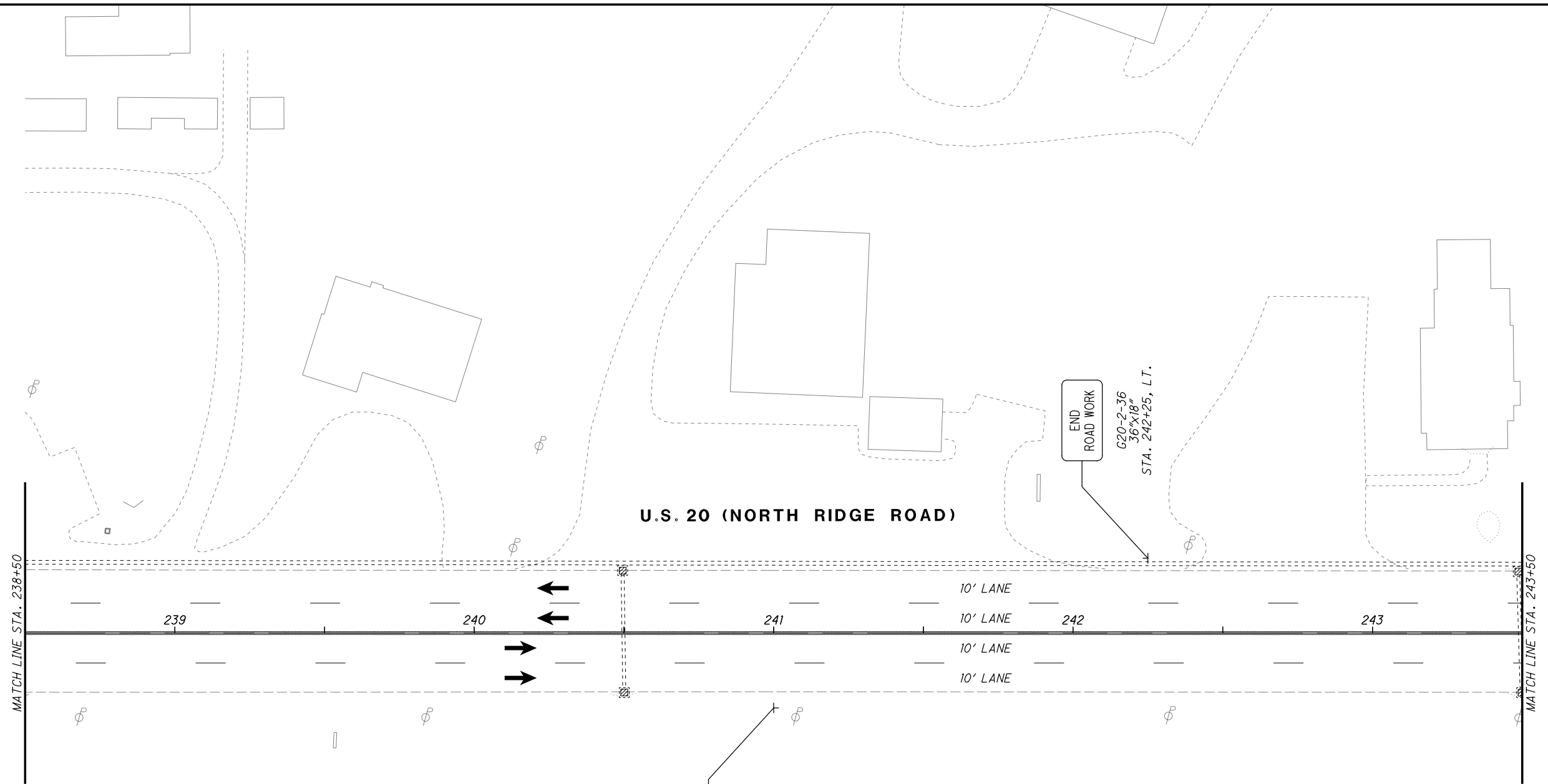
-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




**LEGEND**








-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  TRAFFIC FLOW

W9-3L-36  
 36"x36"  
 STA. 236+00, RT.





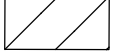



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  TRAFFIC FLOW

W4-2L-36  
 36"x36"  
 STA. 241+00, RT.

END ROAD WORK  
 G20-2-36  
 36"x18"  
 STA. 242+25, L.T.

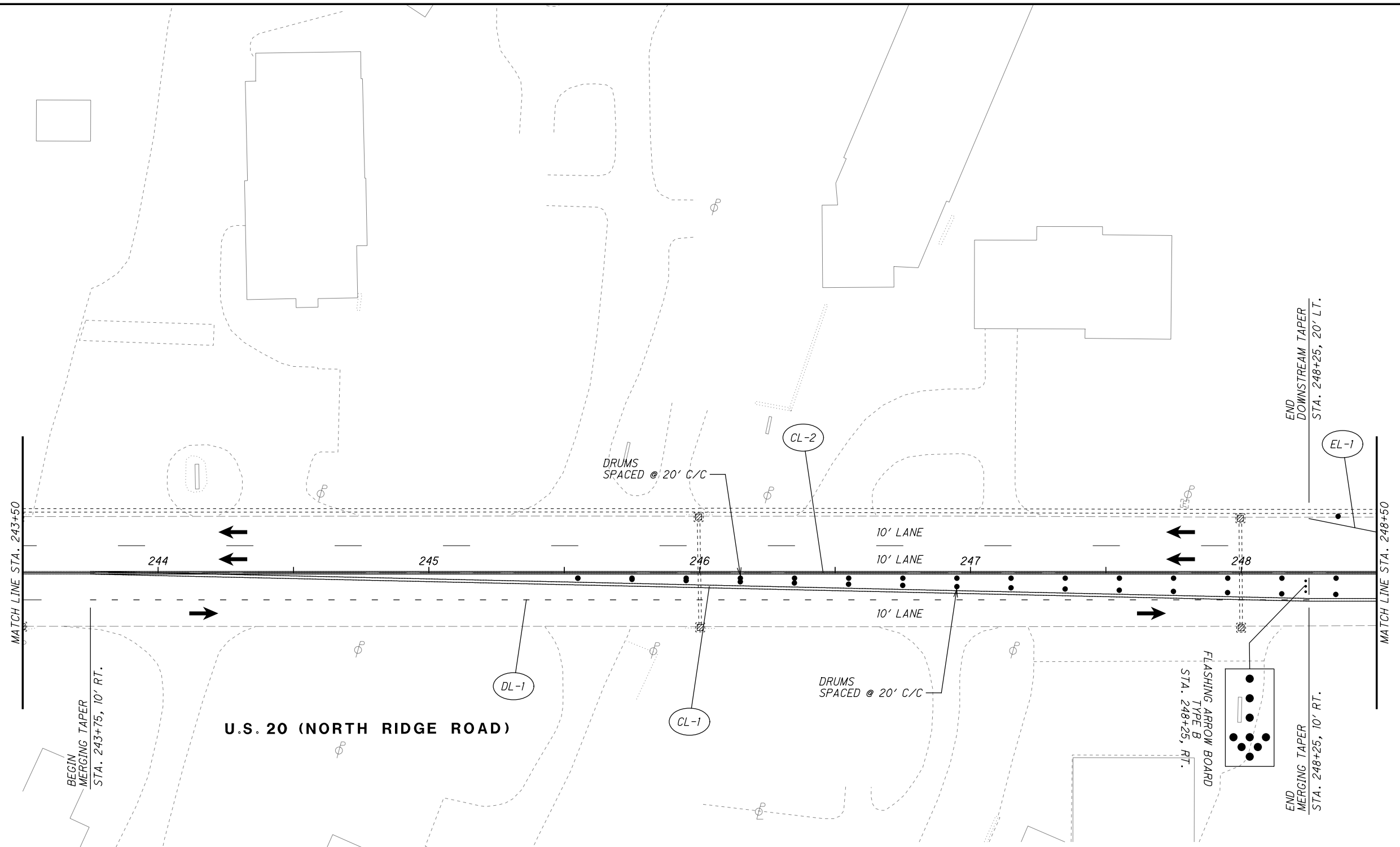
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CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1A**  
**CULVERT STA. 253+86**

**LAK-US-20-19.59**  
**PART 1**



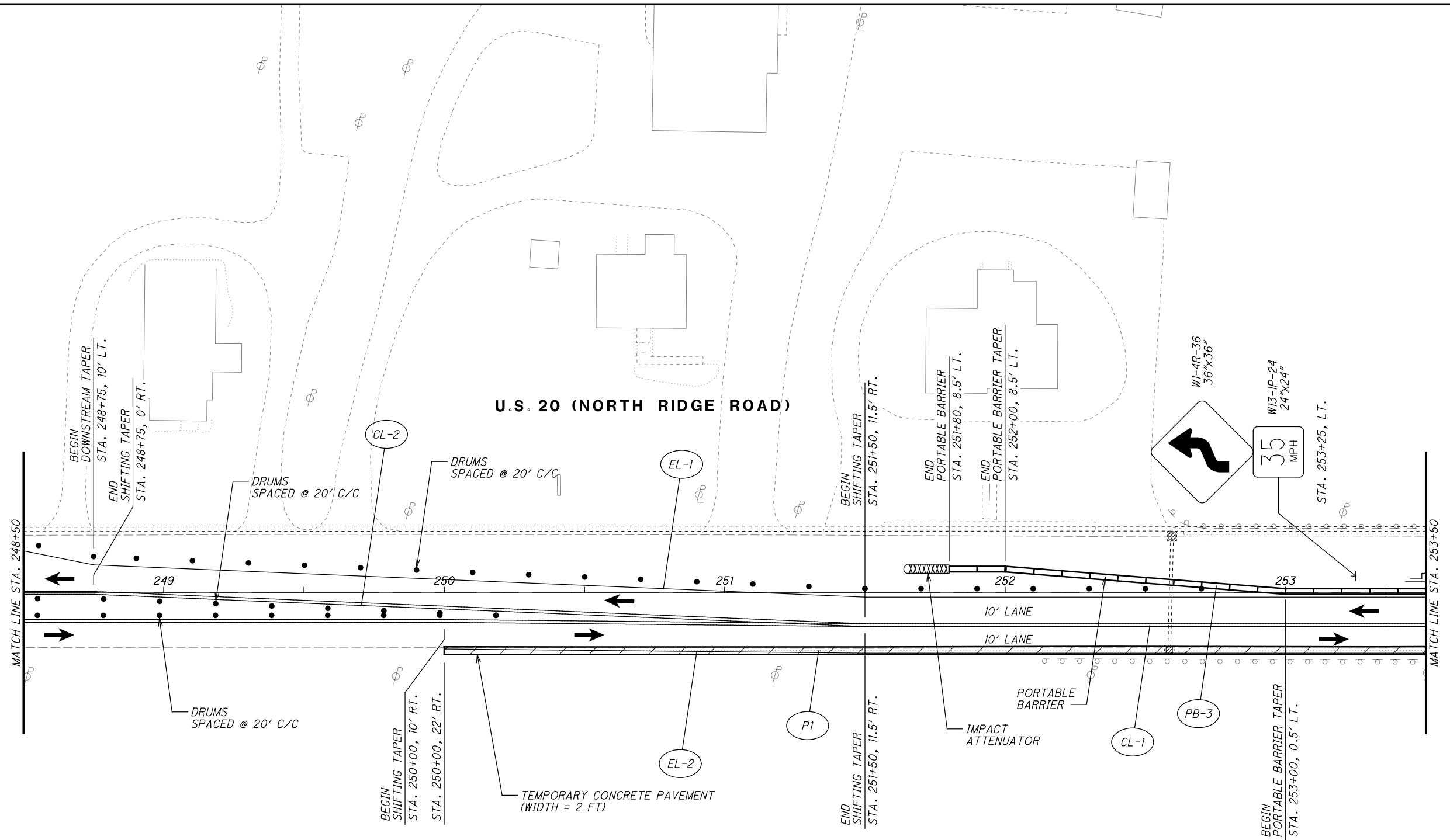
**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- TRAFFIC FLOW



**LEGEND**




- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT








**LEGEND**





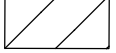

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- TRAFFIC FLOW

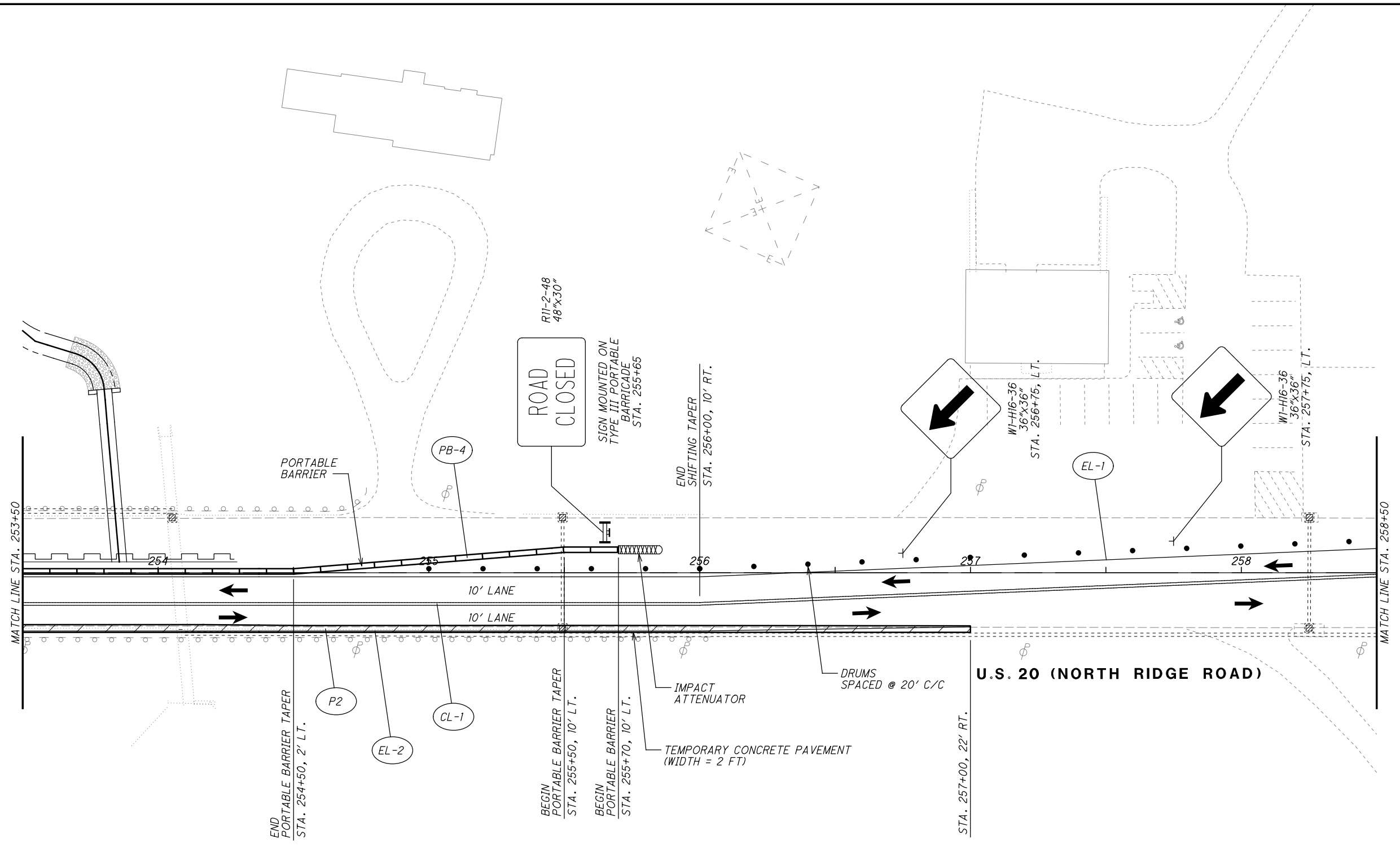


	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

**LEGEND**

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
	TRAFFIC FLOW

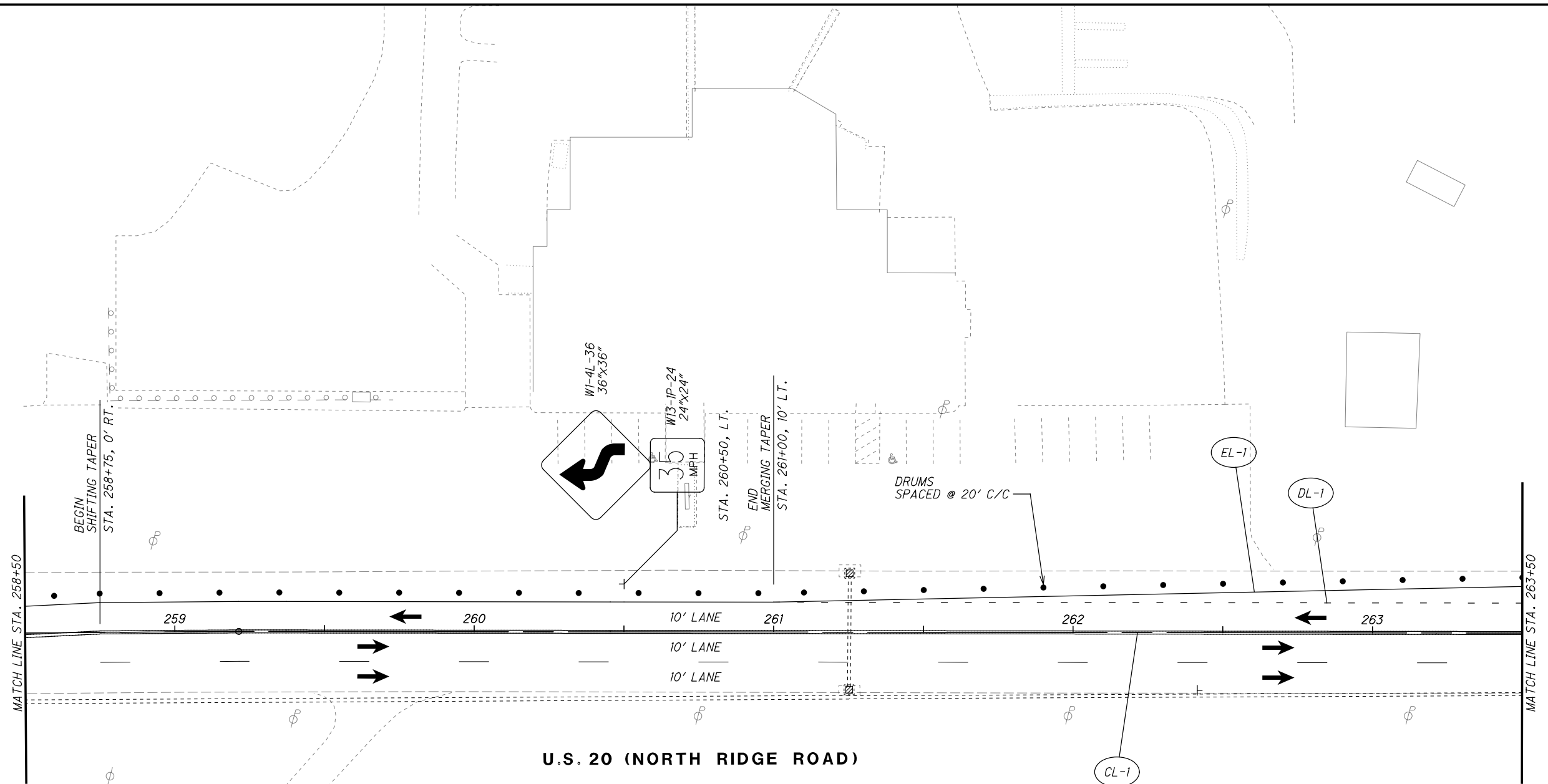


**LEGEND**




  
  
 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT








**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1A**  
**CULVERT STA. 253+86**

**LAK-US-20-19.59**  
**PART 1**





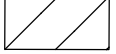



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN




-  CL ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  LL ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  EL ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  CH ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  LA ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  SL ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  CW ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

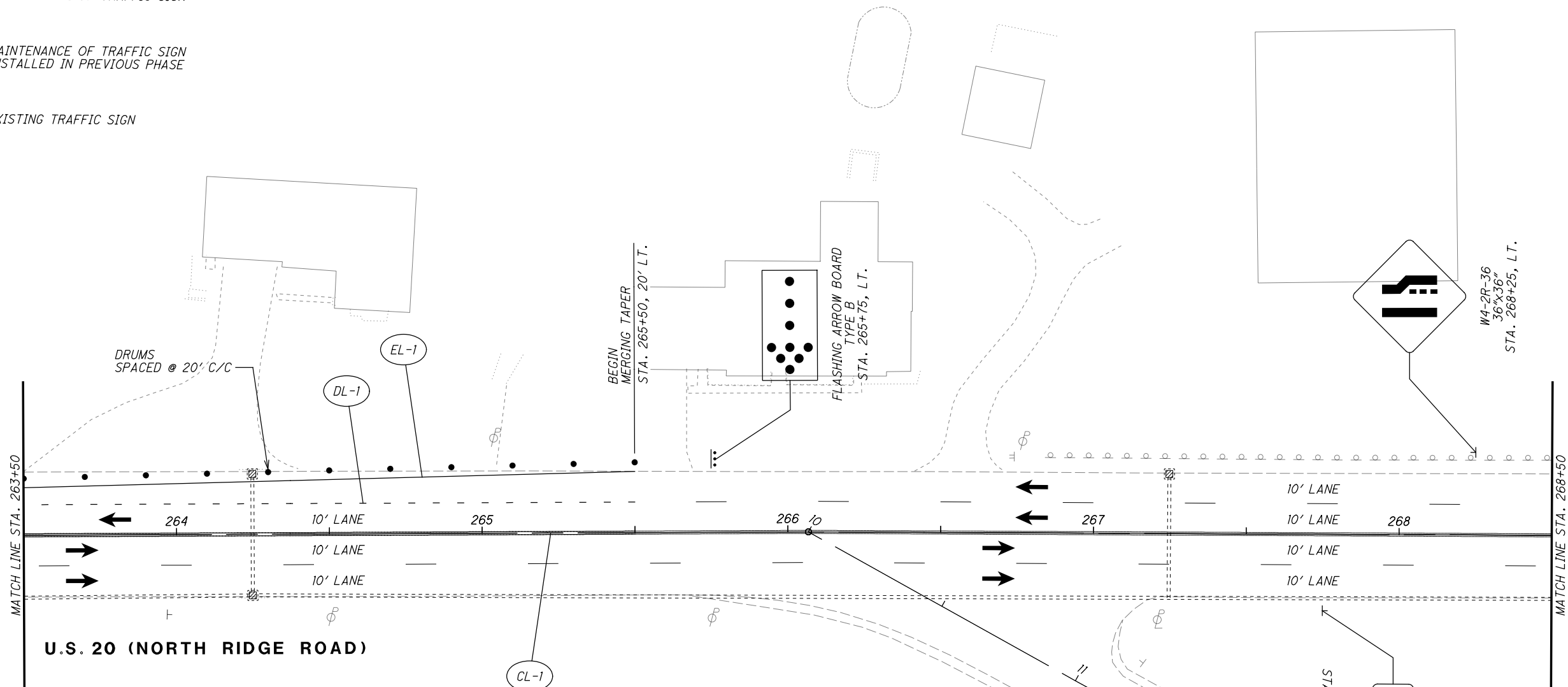
**LEGEND**

-  DL ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  TL ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  IM ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  TRAFFIC FLOW














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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



**LEGEND**

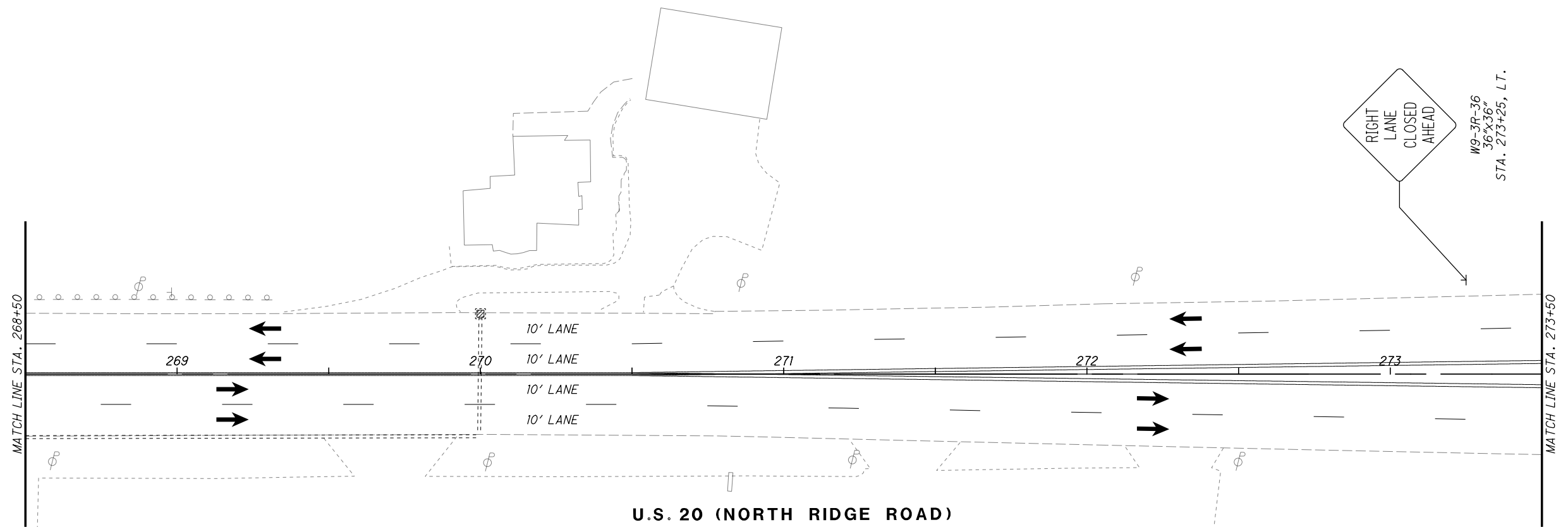
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|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  TRAFFIC FLOW  |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  |

CALCULATED JDC  
CHECKED EJT




HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1A**  
**CULVERT STA. 253+86**










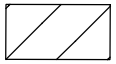



**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  TRAFFIC FLOW  |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |   |

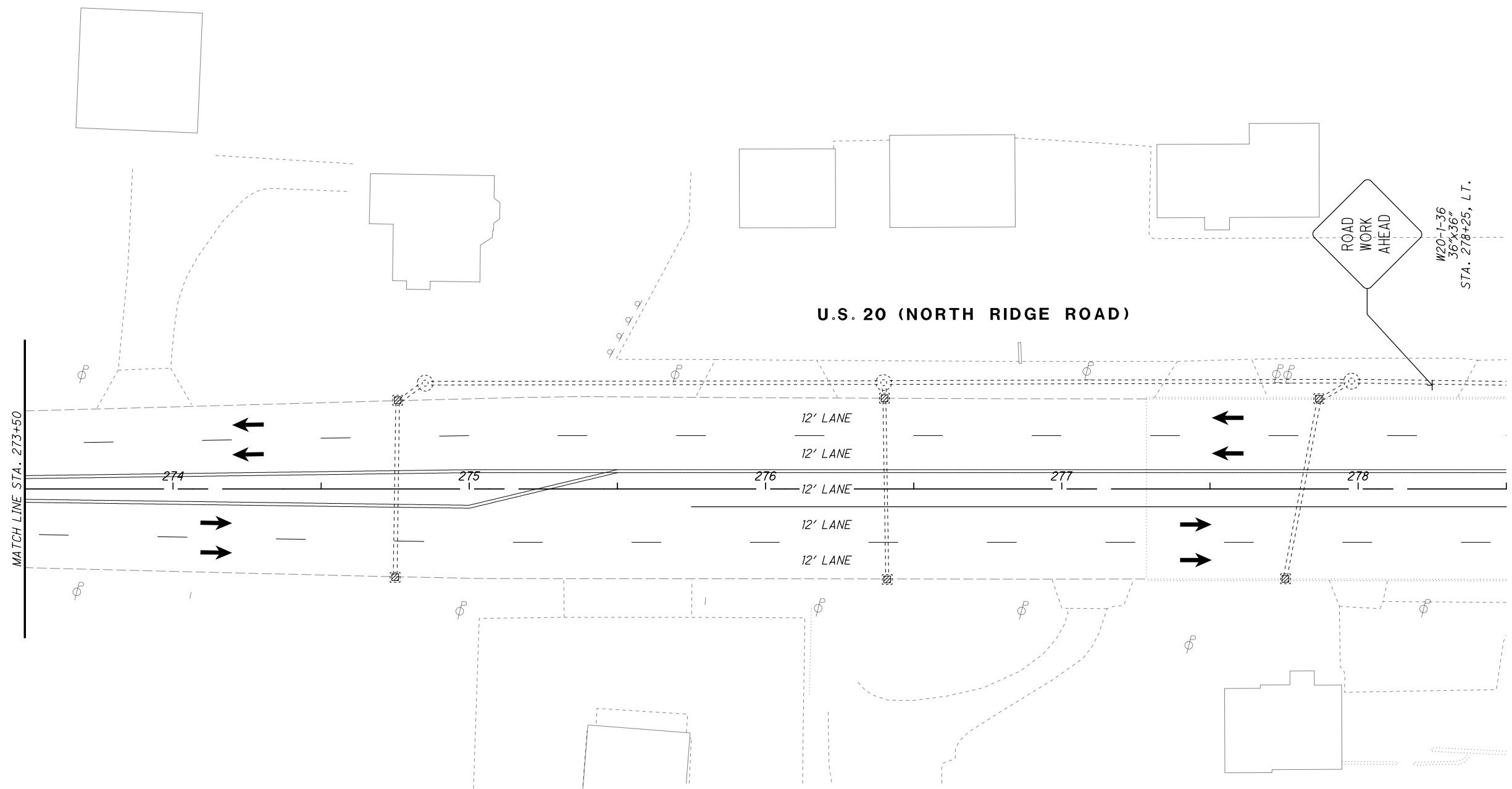
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CALCULATED JDC  
CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1A**  
**CULVERT STA. 253+86**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

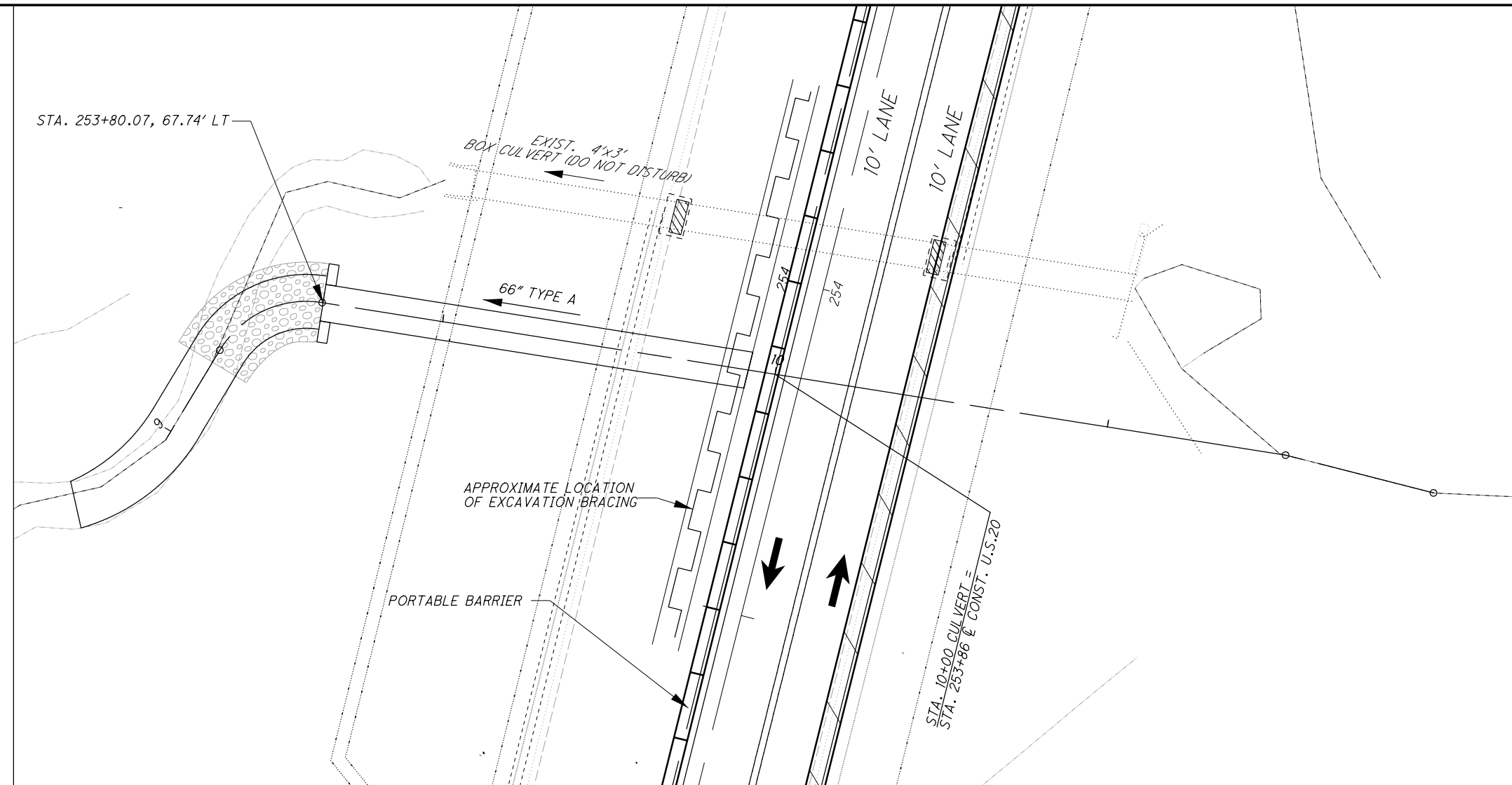
- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- TRAFFIC FLOW

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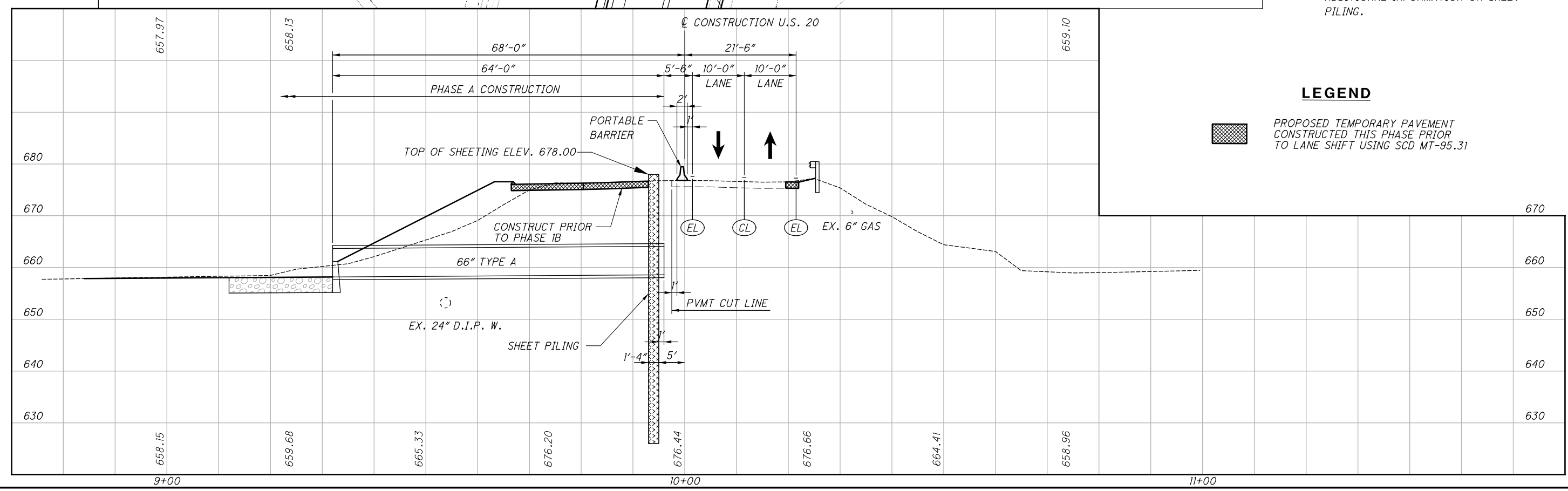


**NOTES**

1. AFTER INSTALLATION OF SHEET PILING AND EXCAVATION, CUT HOLE IN SHEET PILING FOR CULVERT. PUSH CULVERT SECTION THROUGH HOLE.
2. SEE GENERAL NOTE ON SHEET 25 ENTITLED, ITEM 503 COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN FOR ADDITIONAL INFORMATION ON SHEET PILING.

**LEGEND**

 PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE PRIOR TO LANE SHIFT USING SCD MT-95.31



**MAINTENANCE OF TRAFFIC PRE-PHASE 1A  
CULVERT DETAIL STA. 253+86**

**LAK-US-20-19.59  
PART 1**

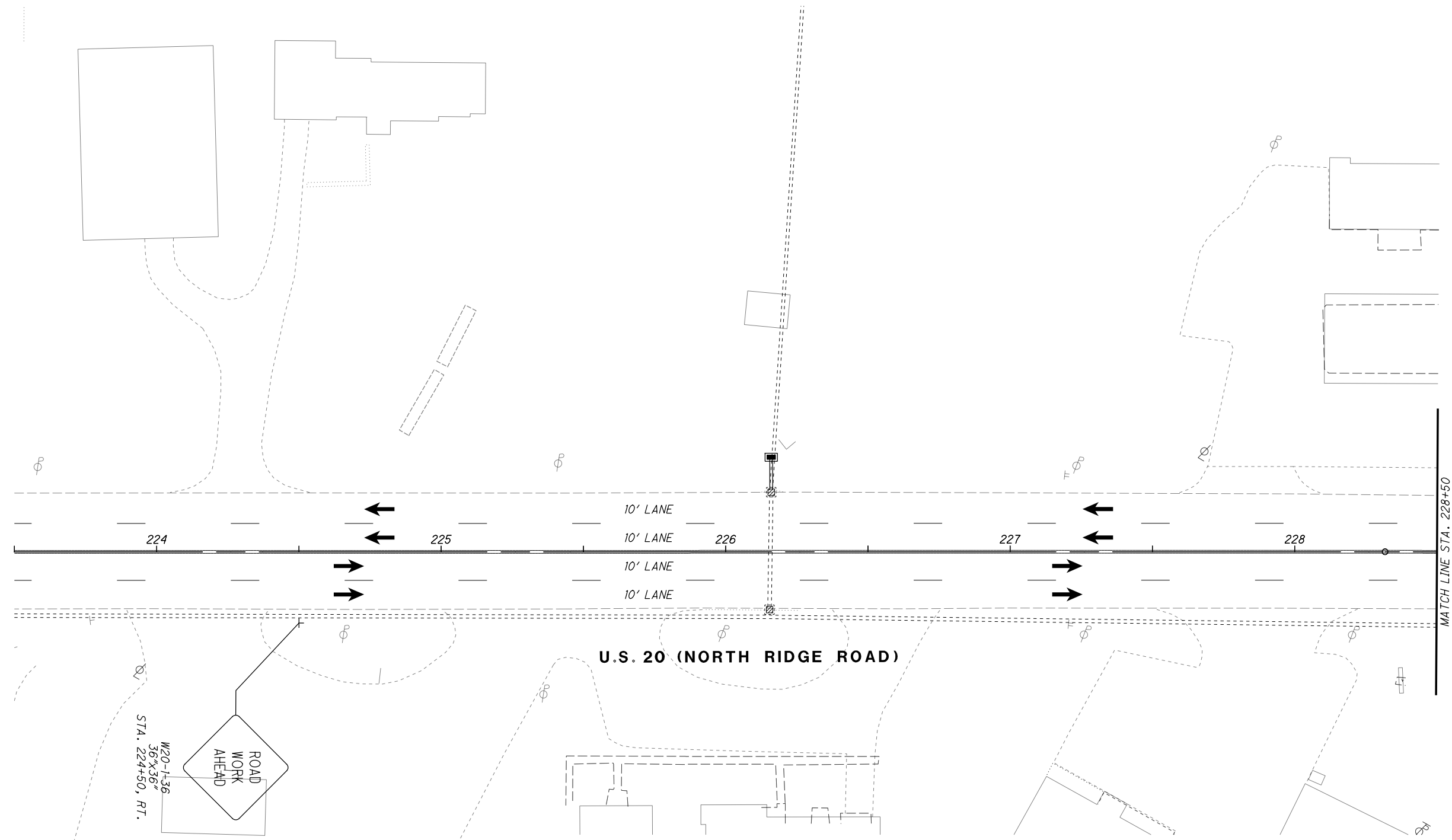
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CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1B**  
**CULVERT STA. 253+86**

**LAK-US-20-19.59**  
**PART 1**



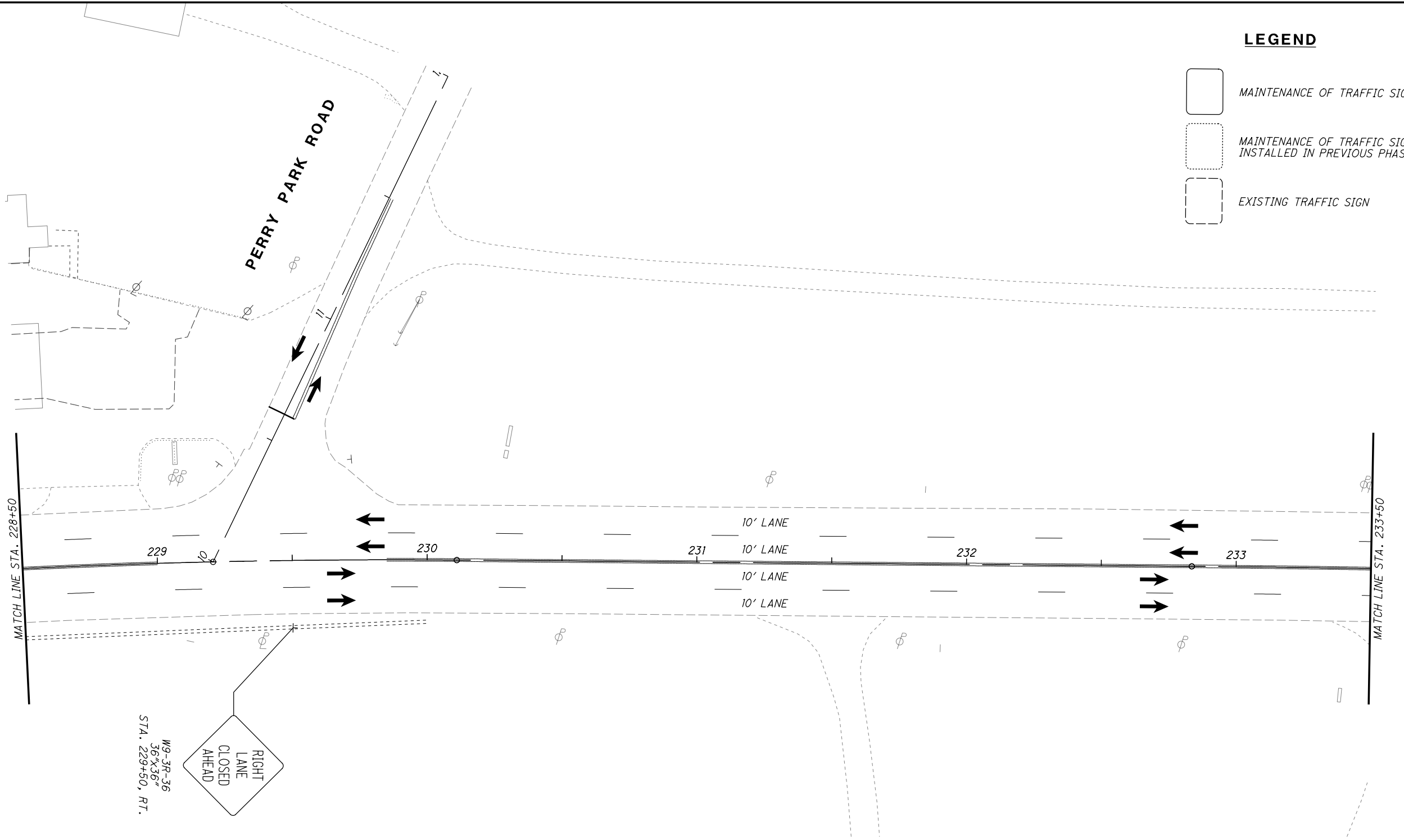
**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- TRAFFIC FLOW



W9-3R-36  
36'x36'  
STA. 229+50, RT.

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN










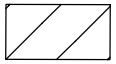



CALCULATED JDC  
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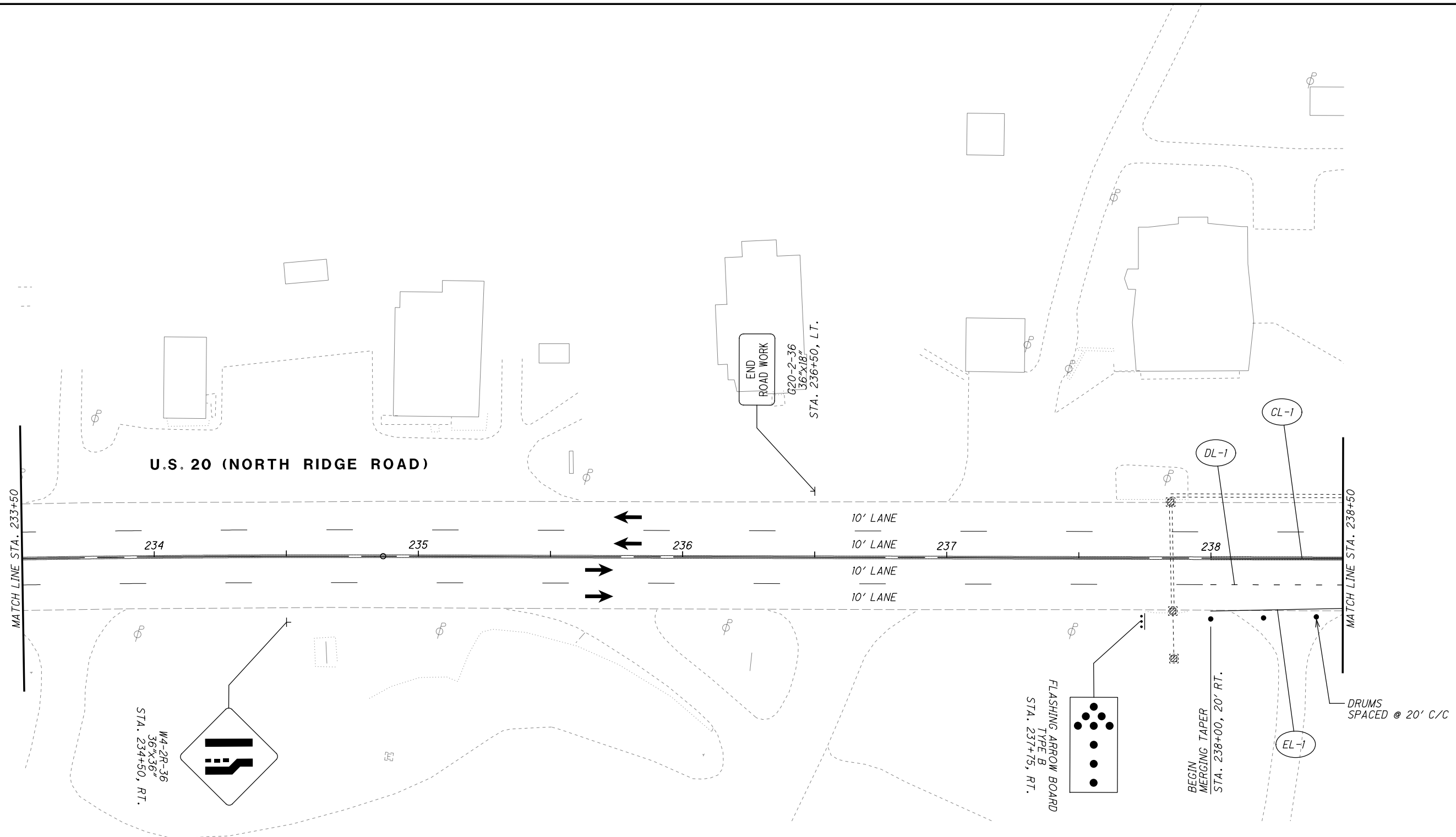

HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59 PART 1**  
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1B**  
**CULVERT STA. 253+86**

**LEGEND**

 ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT	 ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
 ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT	 ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
 ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT	 ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
 ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT	 WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
 ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT	 PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
 ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT	 TRAFFIC FLOW
 ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT	





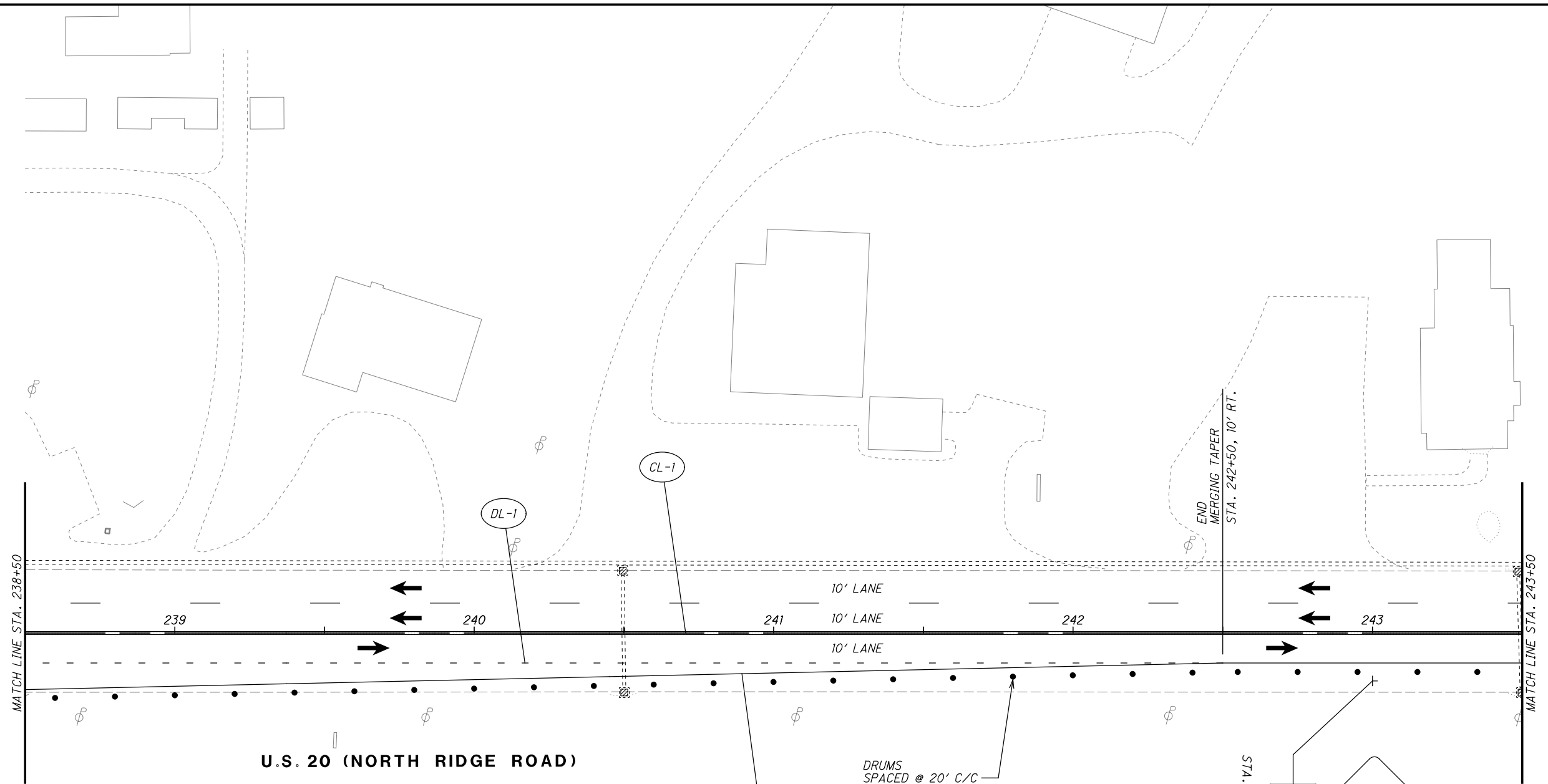
**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- TRAFFIC FLOW













**U.S. 20 (NORTH RIDGE ROAD)**

DRUMS SPACED @ 20' C/C





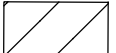

STA. 243+00, RT.

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

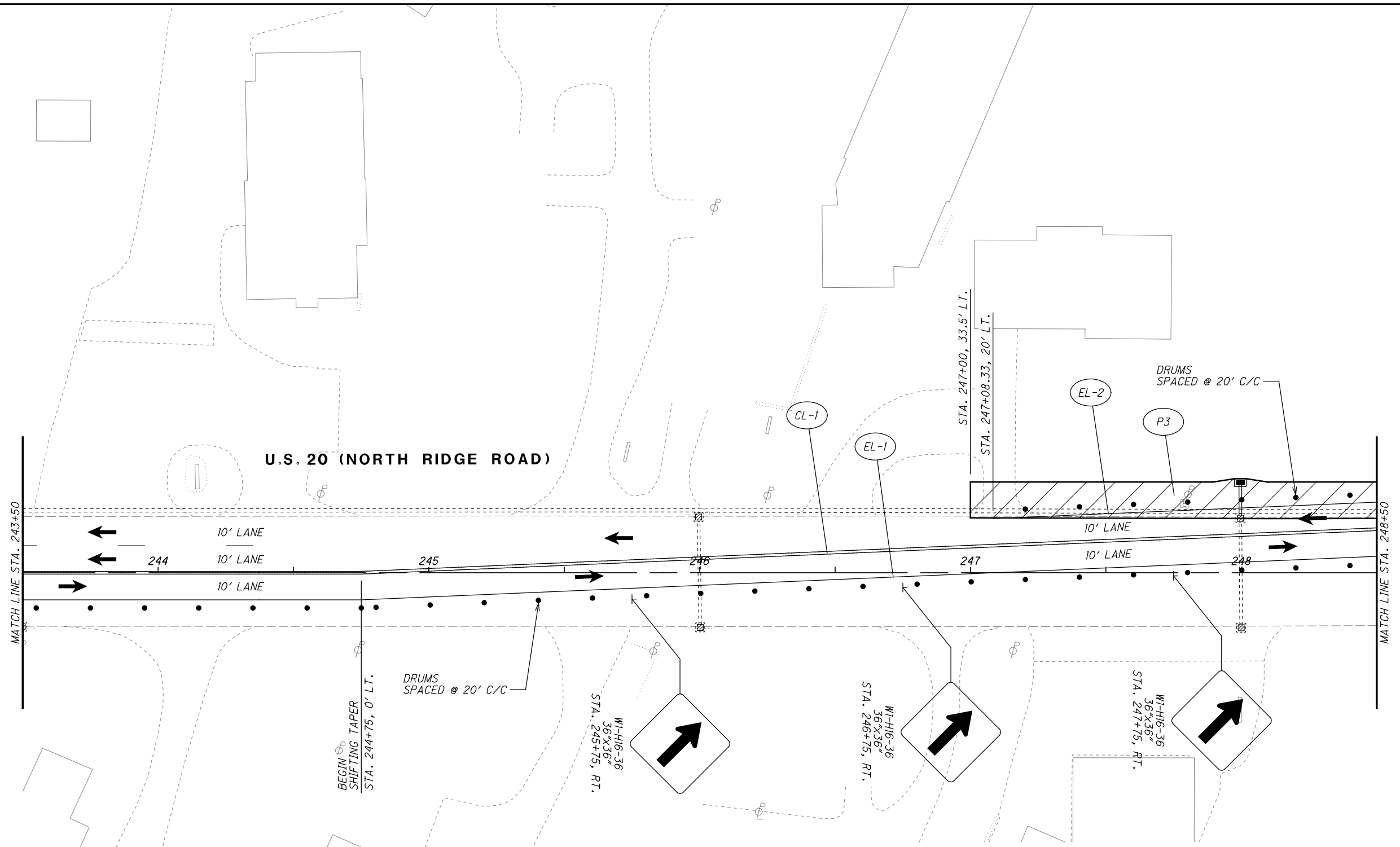
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  TRAFFIC FLOW

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CALCULATED JDC  
 CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59**  
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1B**  
**CULVERT STA. 253+86**

**PART 1**  
 88  
 1253



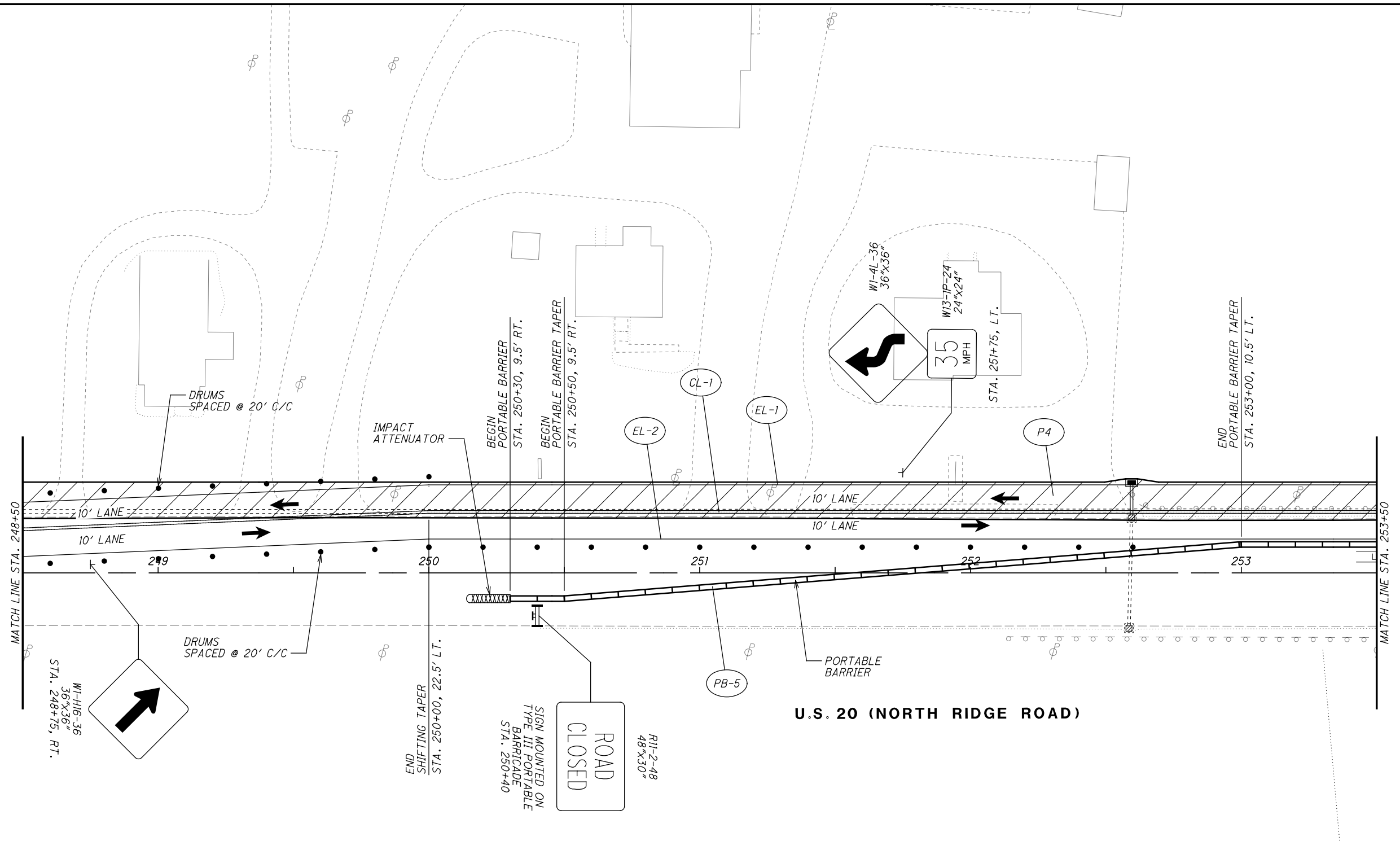
**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- TRAFFIC FLOW



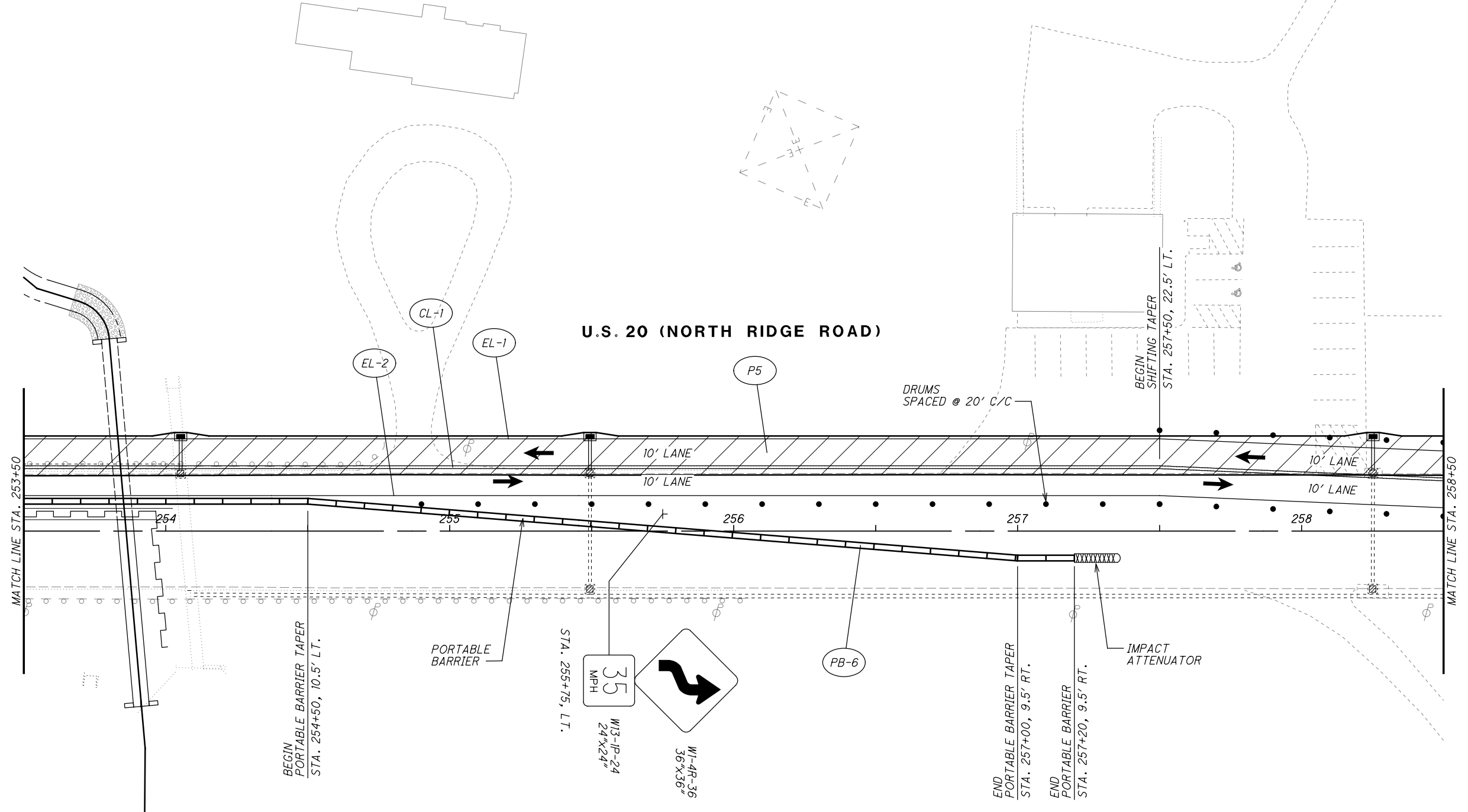
**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
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- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- TRAFFIC FLOW



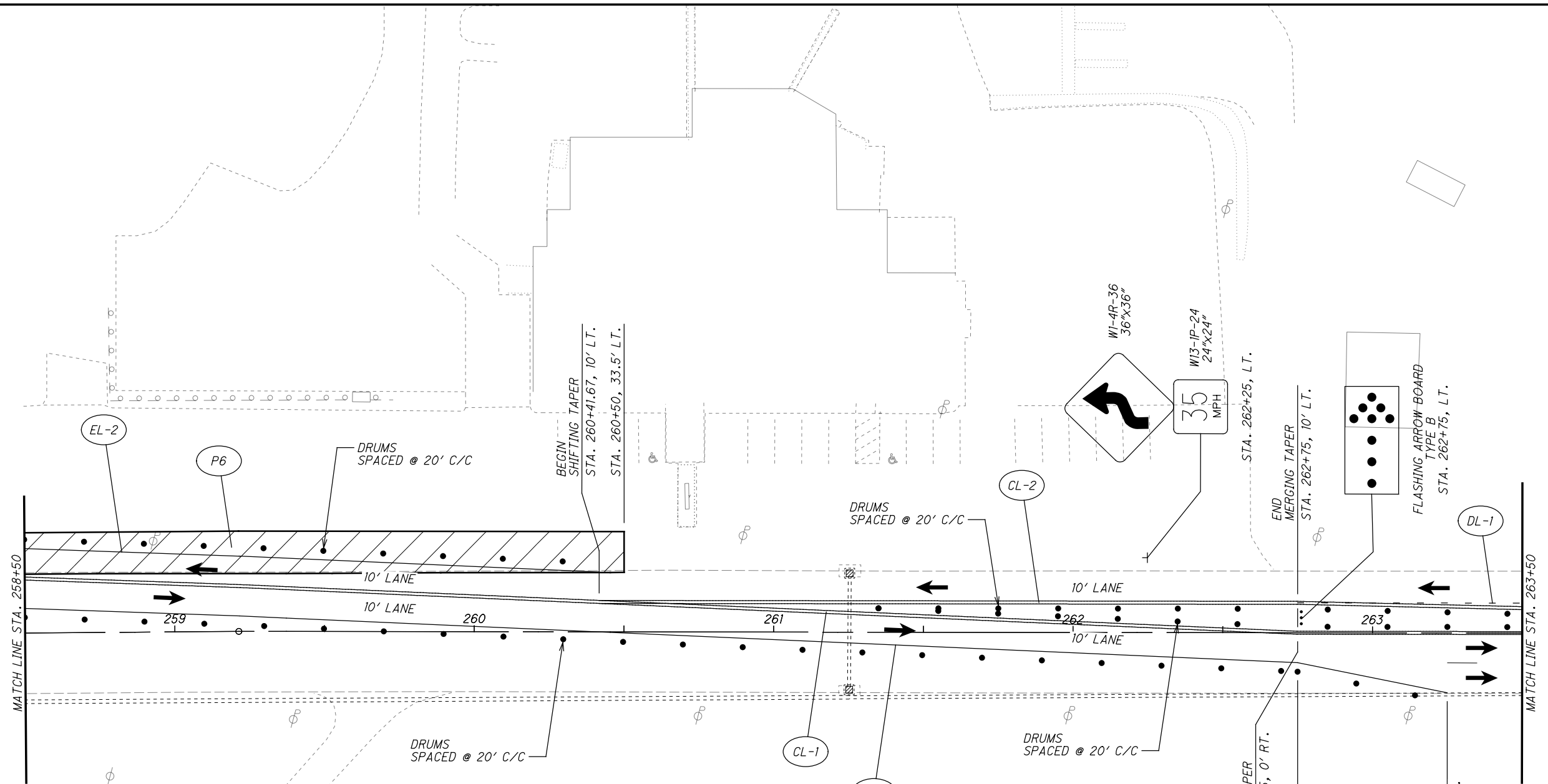
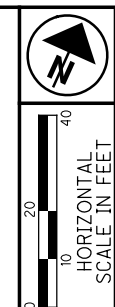
**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




**LEGEND**








- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- TRAFFIC FLOW







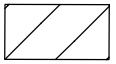

**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN




-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

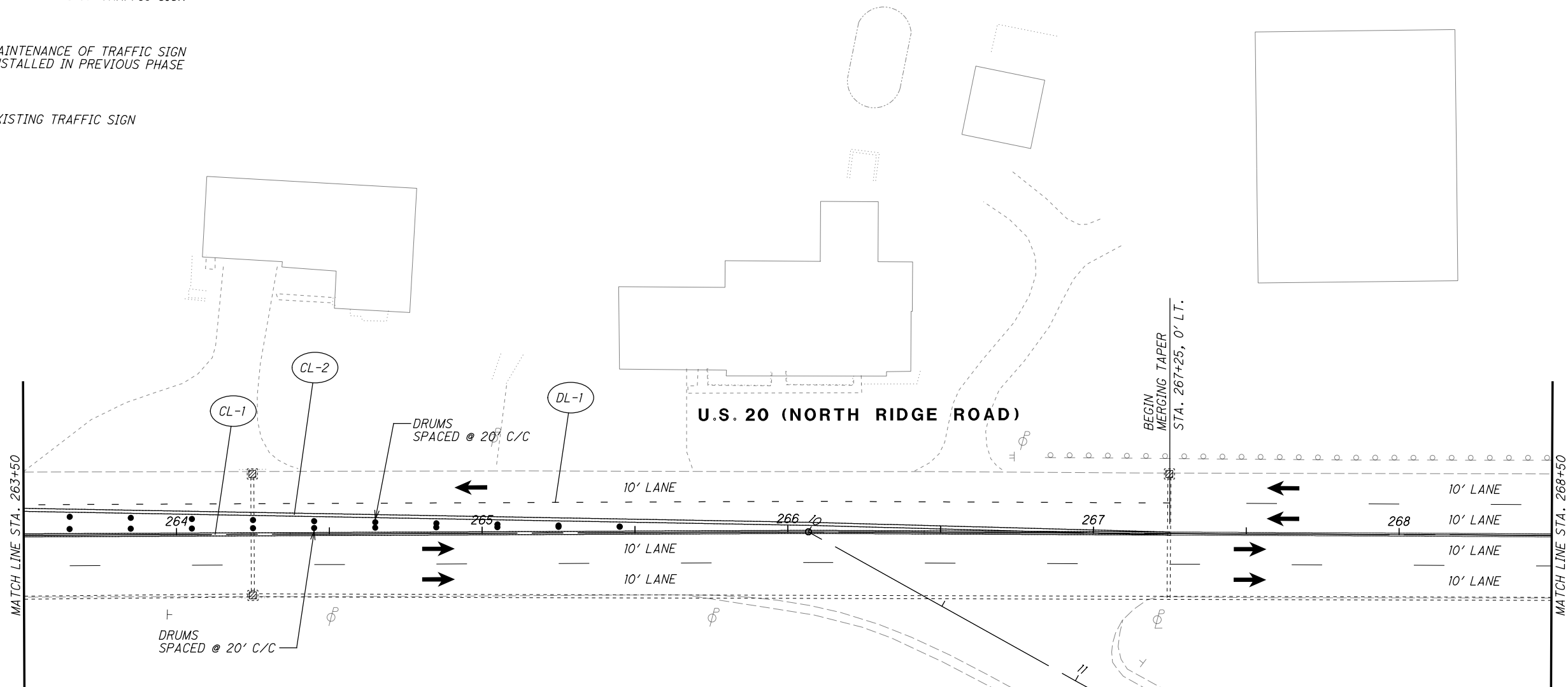
**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  TRAFFIC FLOW










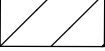



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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  TRAFFIC FLOW  |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  |




CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET








**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1B**  
**CULVERT STA. 253+86**





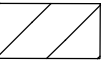

**LAK-US-20-19.59**  
**PART 1**

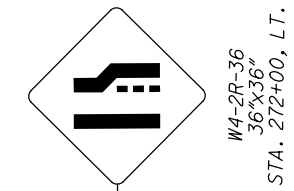
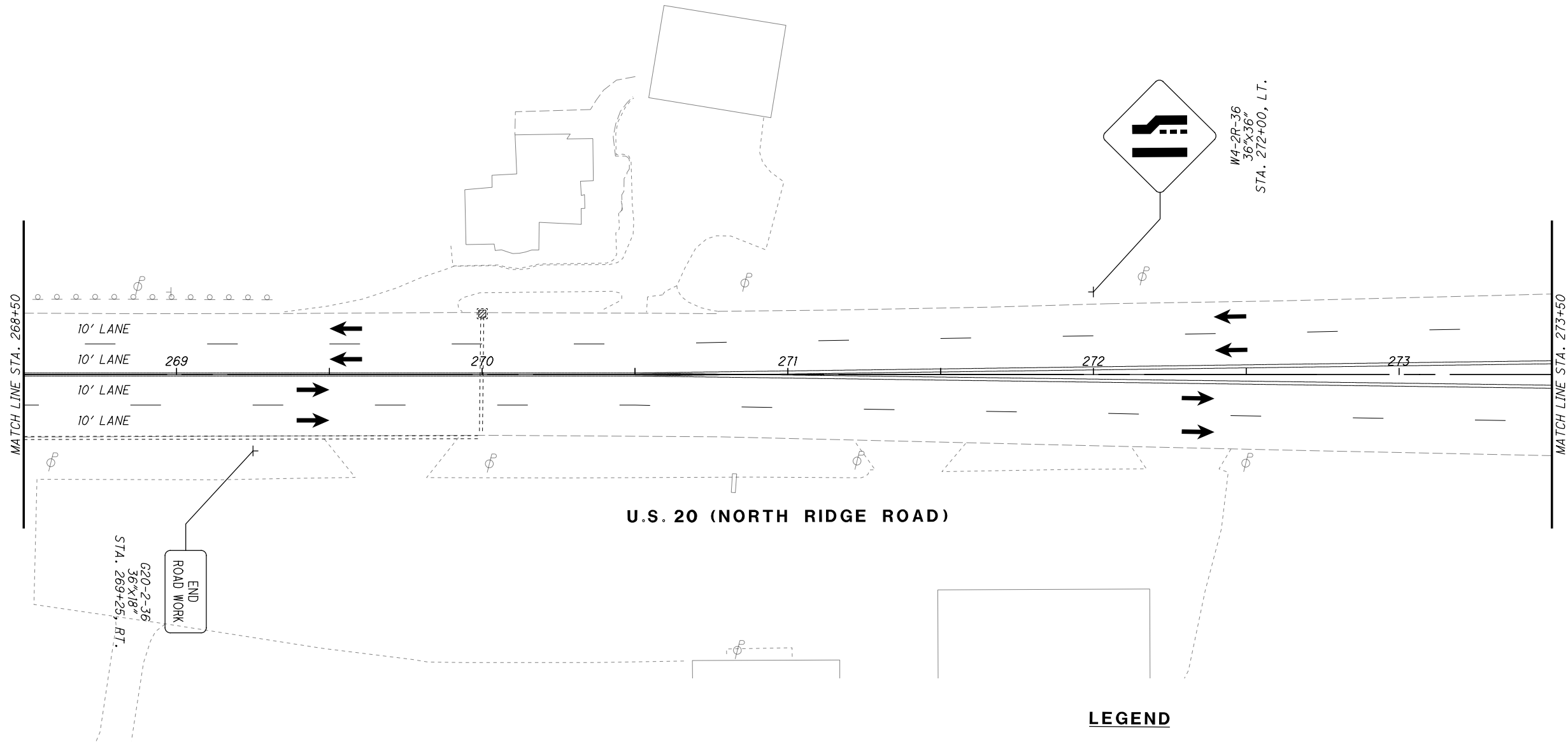
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-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  TRAFFIC FLOW



0 20 40  
HORIZONTAL SCALE IN FEET

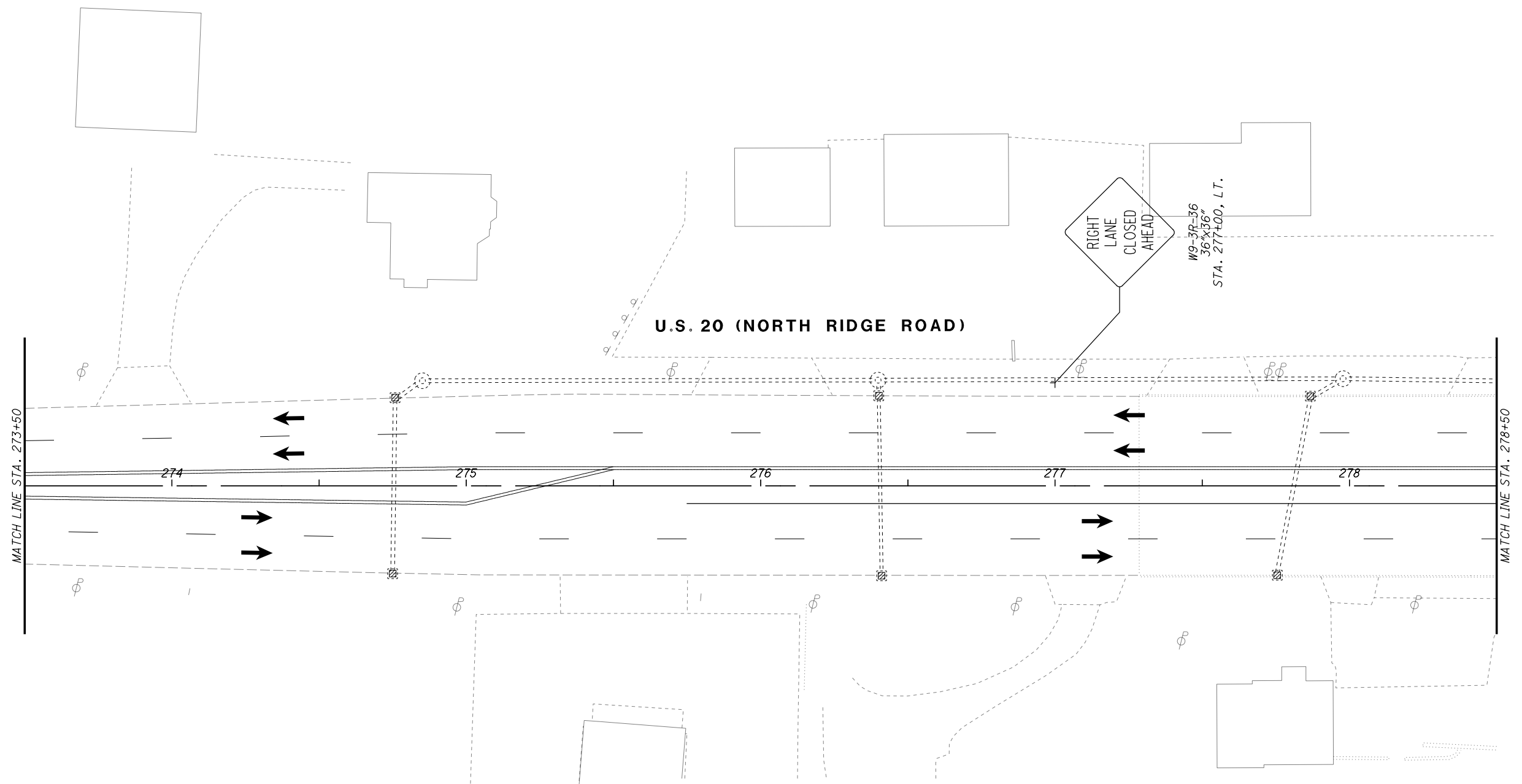
CALCULATED JDC  
CHECKED EJT

**LAK-US-20-19.59 PART 1**




**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1B**








**CULVERT STA. 253+86**











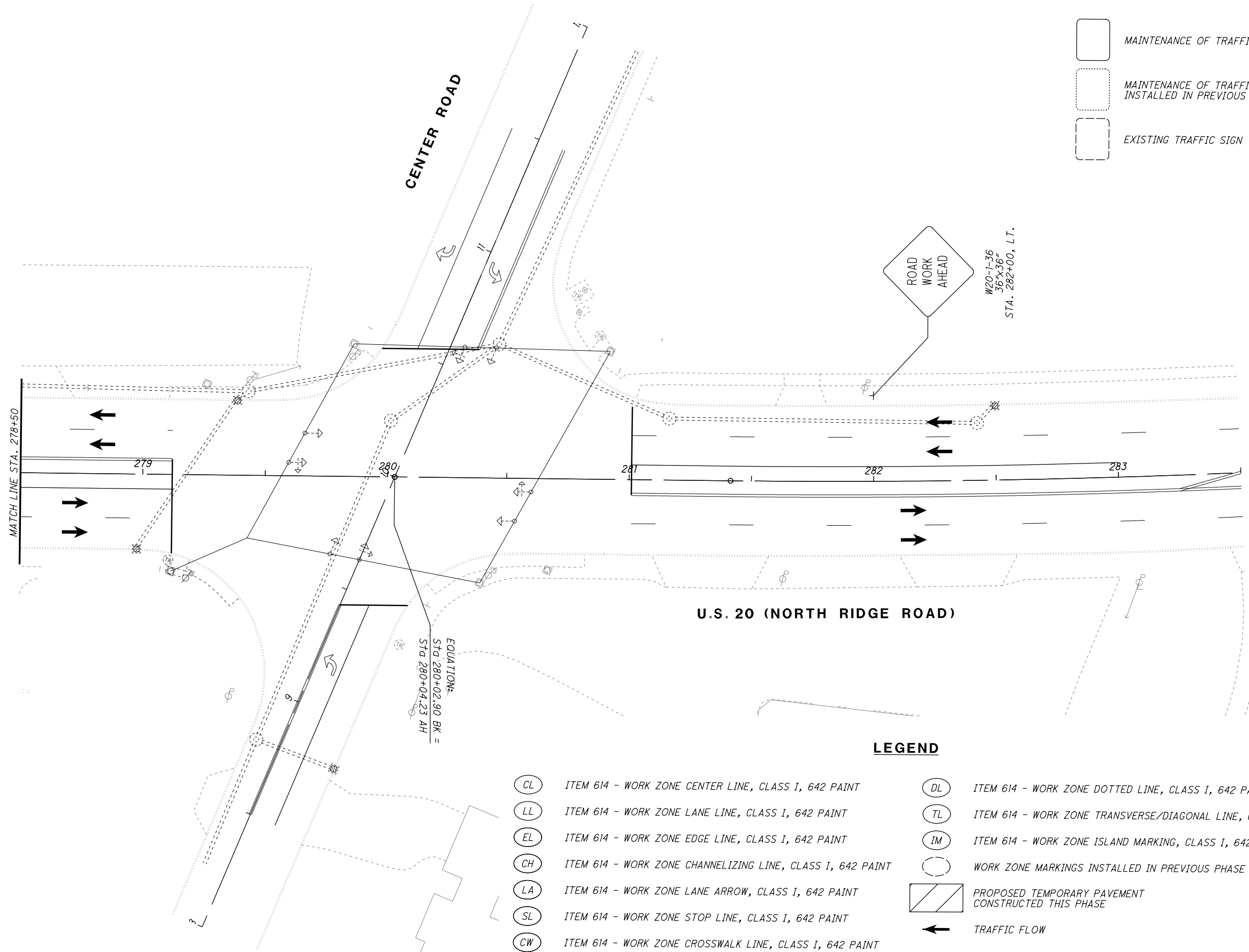
**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  TRAFFIC FLOW



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>(CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT</li> <li>(LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT</li> <li>(EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT</li> <li>(CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT</li> <li>(LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT</li> <li>(SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT</li> <li>(CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT</li> </ul> | <ul style="list-style-type: none"> <li>(DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT</li> <li>(TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT</li> <li>(IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT</li> <li>(○) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE</li> <li><span style="border: 1px solid black; display: inline-block; width: 20px; height: 10px; vertical-align: middle; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></span> PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE</li> <li>← TRAFFIC FLOW</li> </ul> |
|---|--|

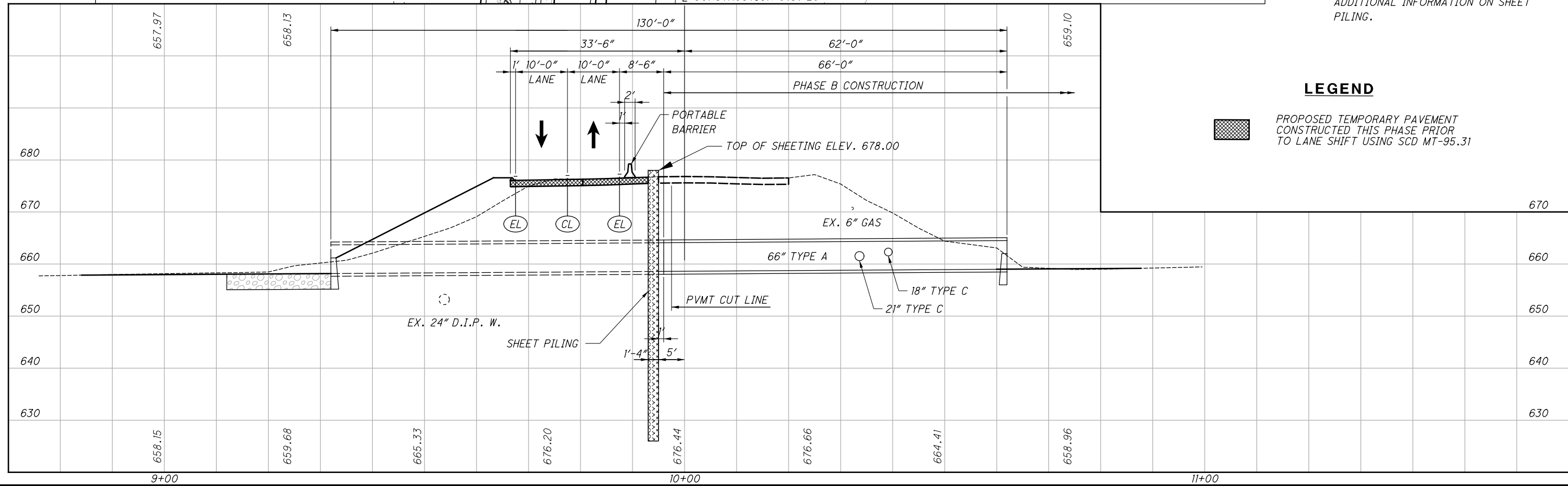
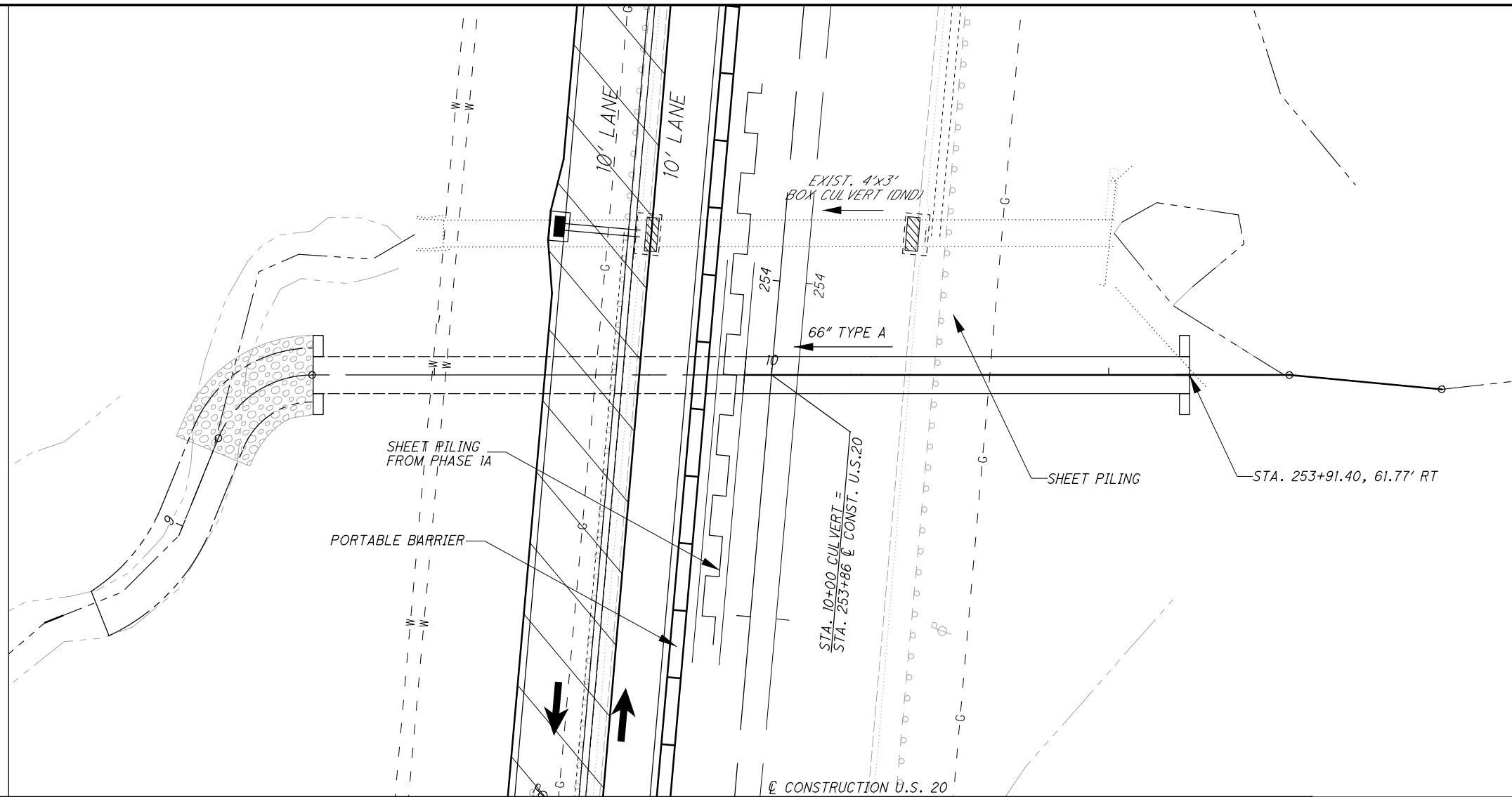
CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 1B**  
**CULVERT STA. 253+86**

**LAK-US-20-19.59**  
**PART 1**

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**NOTES**

- SEE GENERAL NOTE ON SHEET 25 ENTITLED, ITEM 503 COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN FOR ADDITIONAL INFORMATION ON SHEET PILING.

**LEGEND**

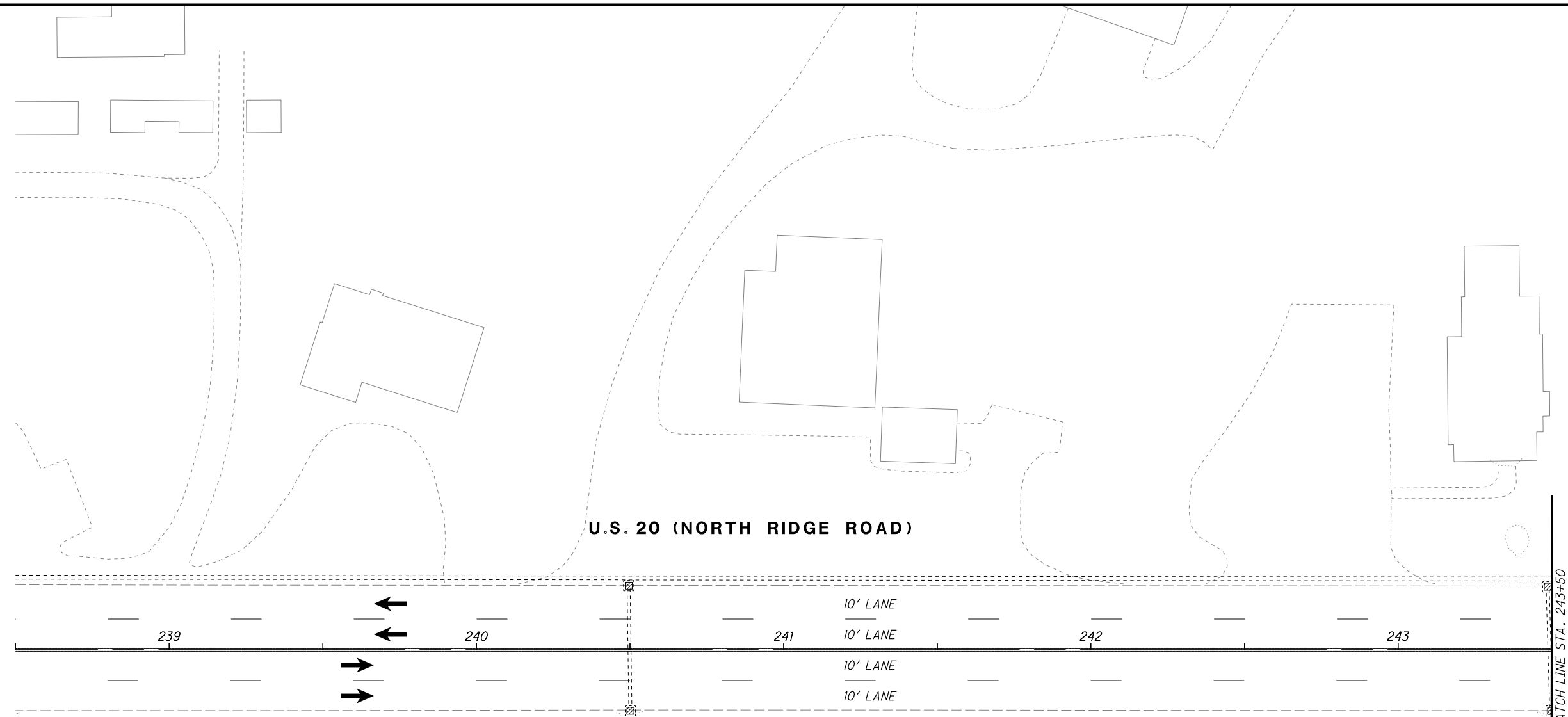
 PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE PRIOR TO LANE SHIFT USING SCD MT-95.31






**MAINTENANCE OF TRAFFIC PRE-PHASE 1B**  
**CULVERT DETAIL STA. 253+86**

**LAK-US-20-19.59**  
**PART 1**















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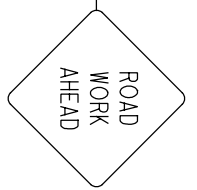
**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

W20-I-36  
36"x36"  
STA. 240+40, RT.



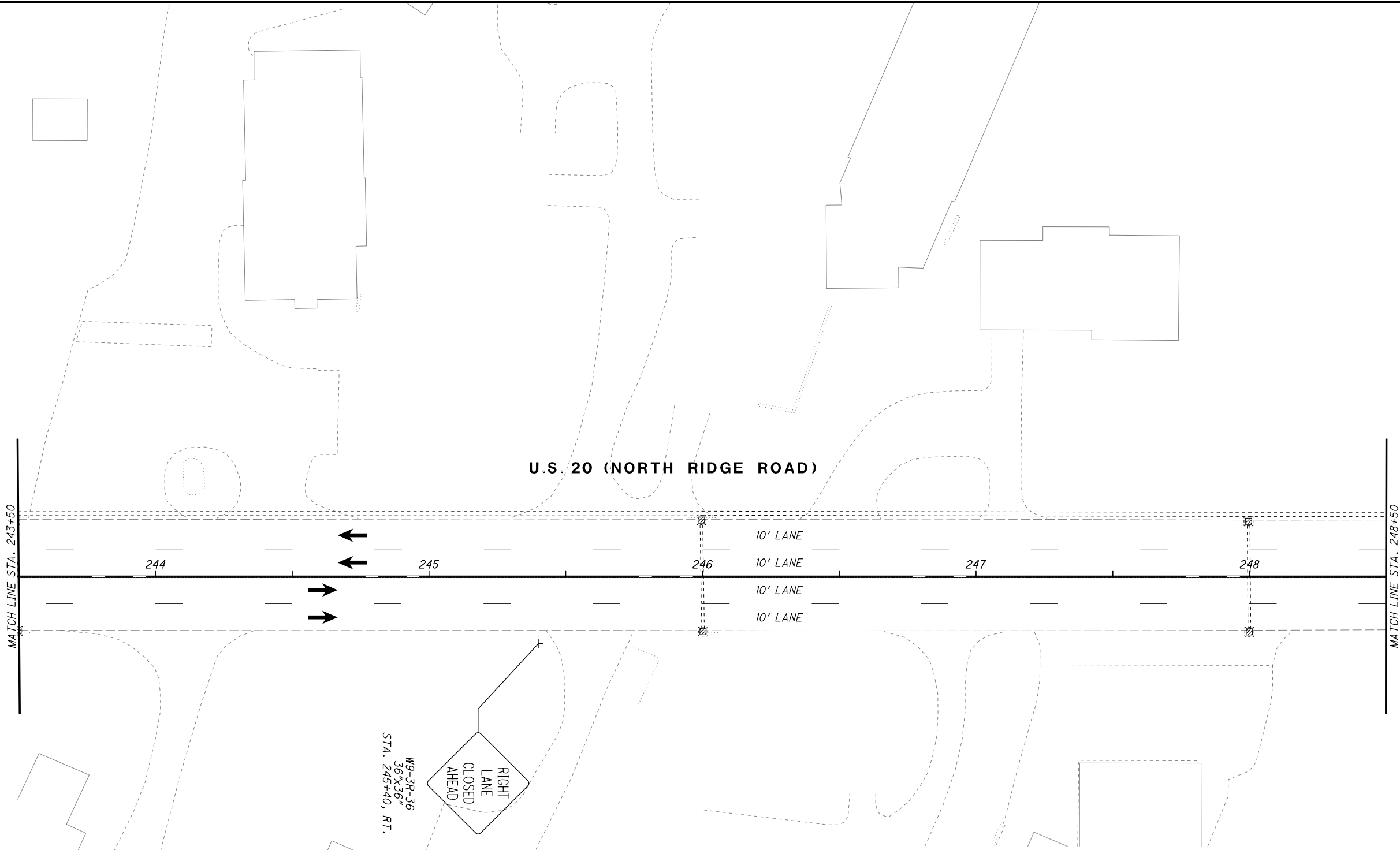
CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 238+50 TO STA. 243+50**

**LAK-US-20-19.59**  
**PART 1**

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**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

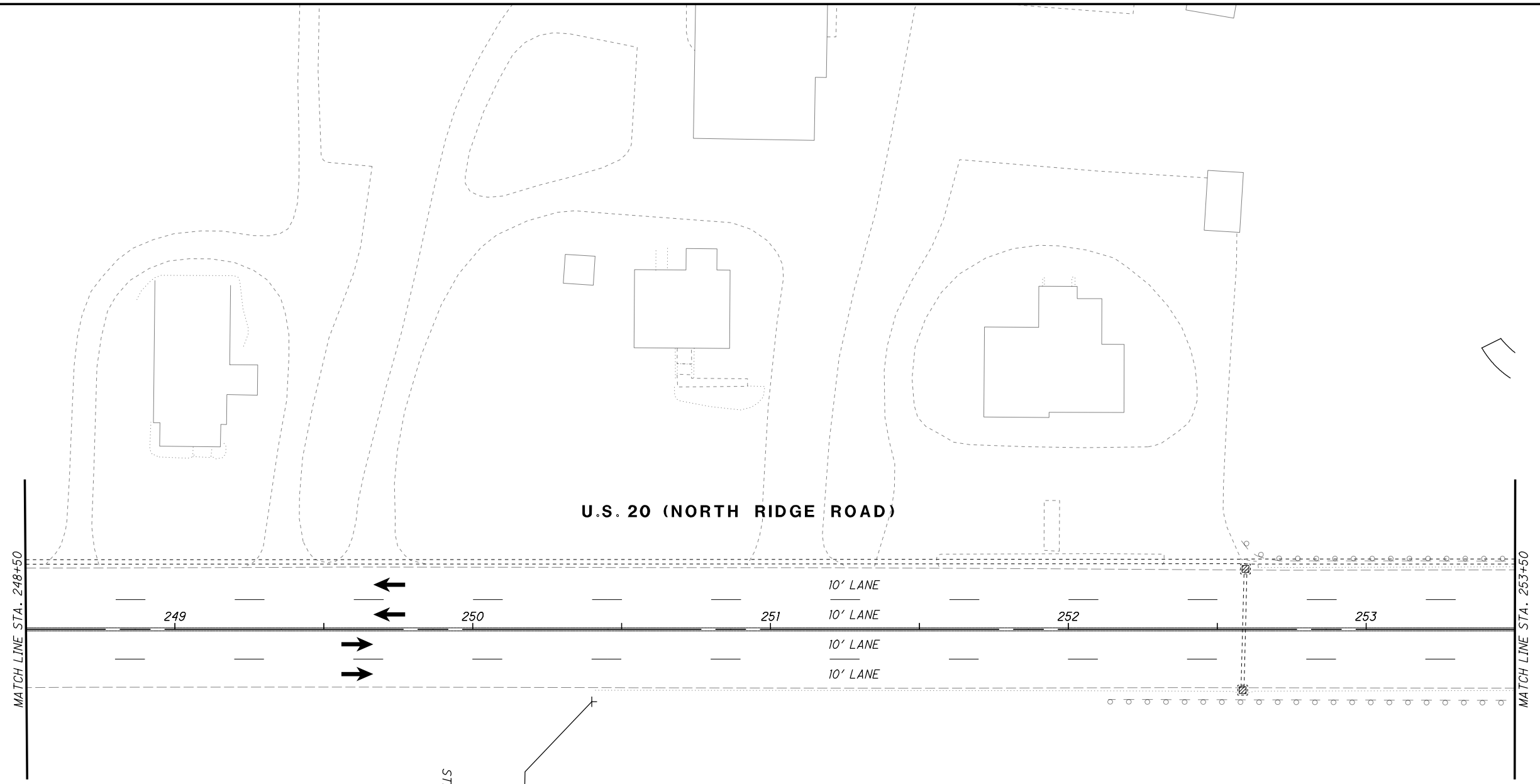
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW



CALCULATED	JDC
CHECKED	EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1  
STA. 243+50 TO STA. 248+50**

**LAK-US-20-19.59  
PART 1**

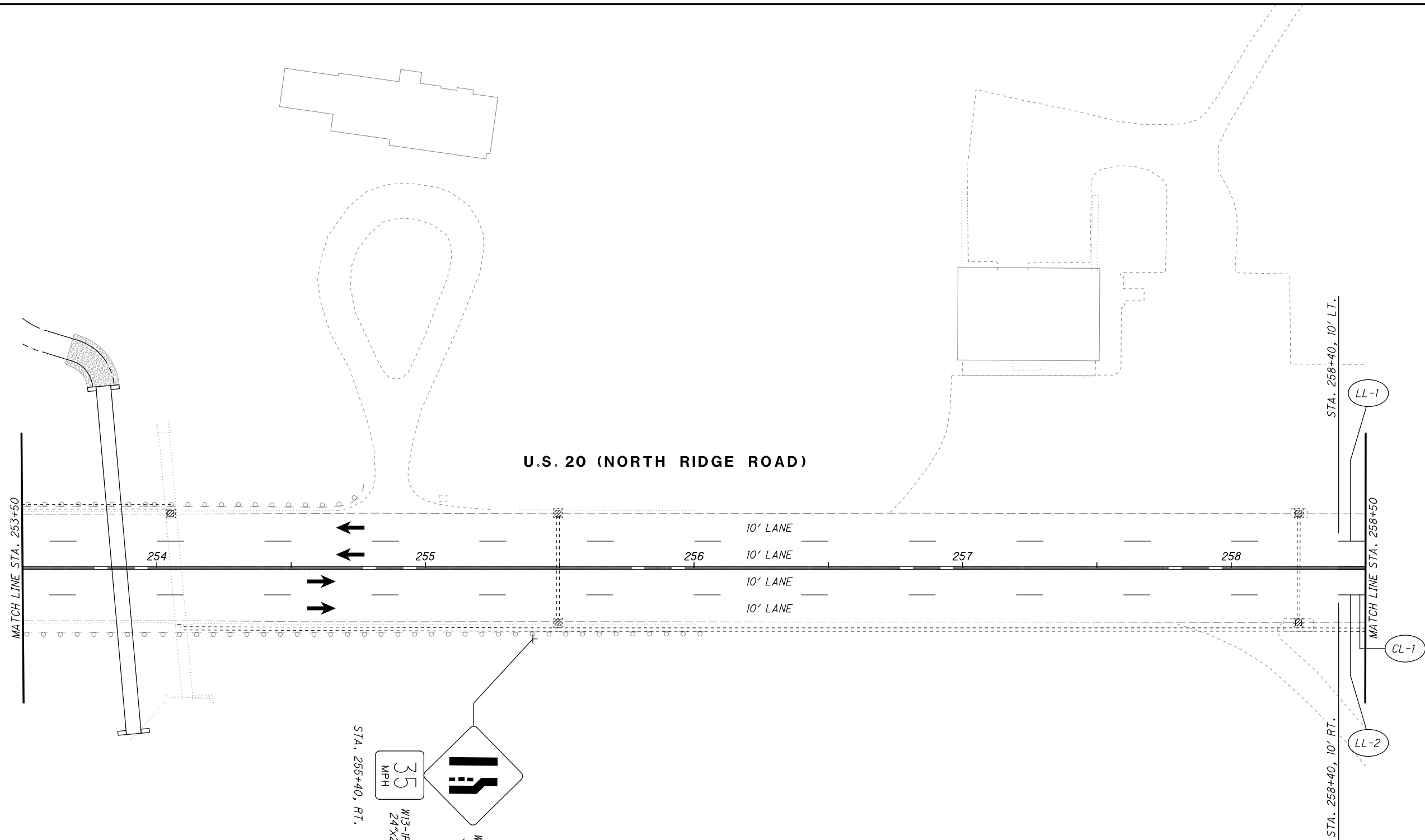


**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

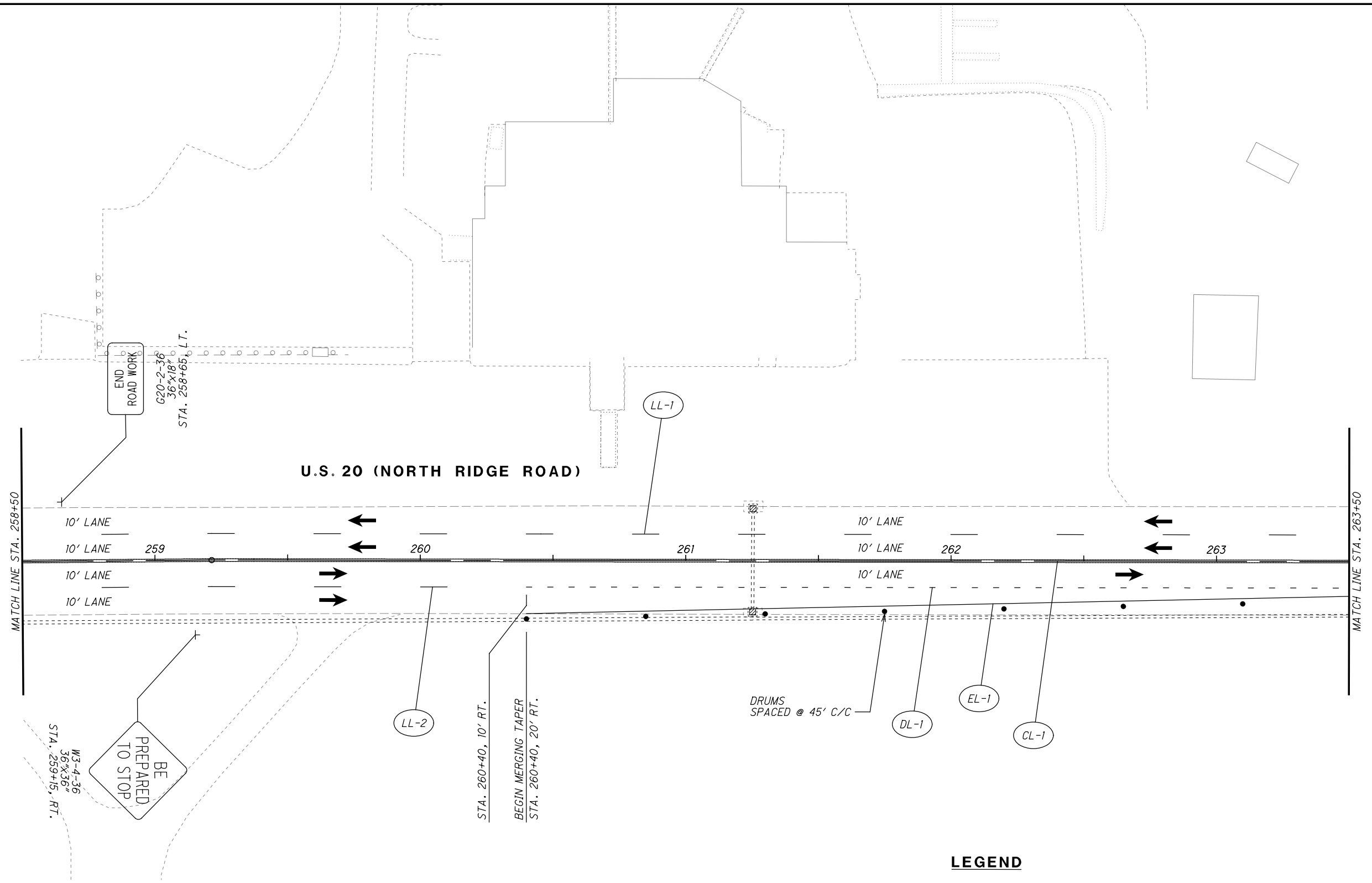
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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CALCULATED JDC  
 CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 258+50 TO STA. 263+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW



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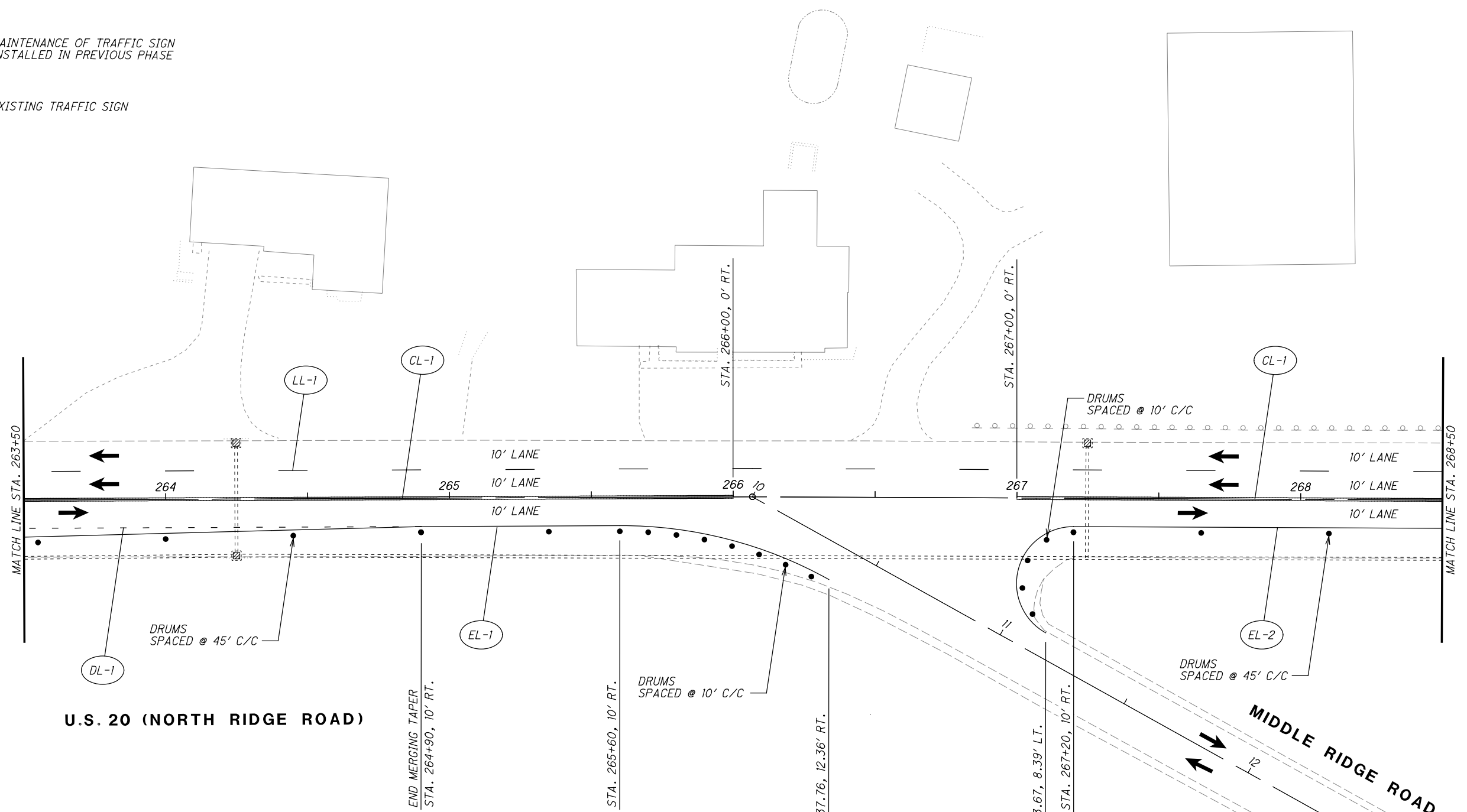
**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN















CALCULATED JDC  
CHECKED EJT




HORIZONTAL SCALE IN FEET



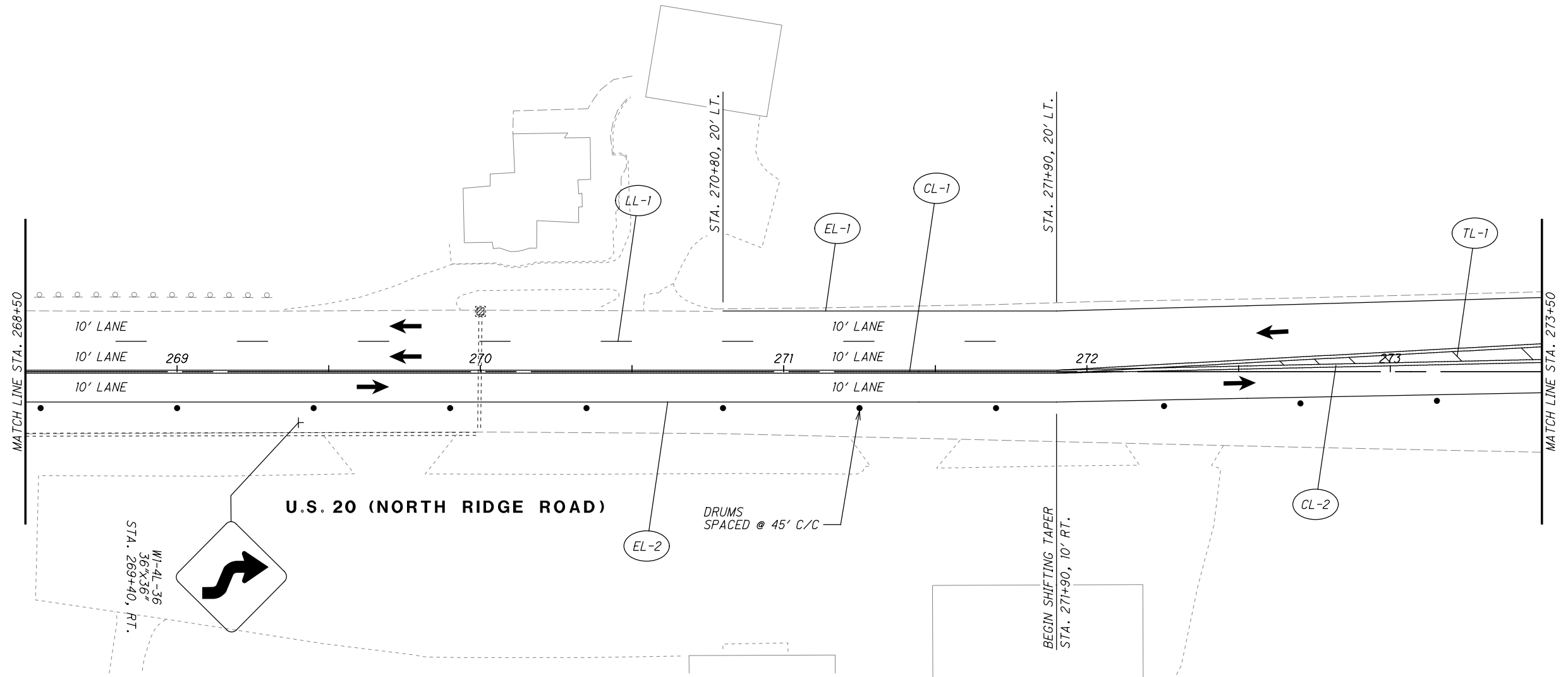
**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 263+50 TO STA. 268+50**

**LAK-US-20-19.59**  
**PART 1**

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**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | ( )  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

**LEGEND**

- |              |   |
|--------------|---|
| (Solid Box)  | MAINTENANCE OF TRAFFIC SIGN                             |
| (Dashed Box) | MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| (Dotted Box) | EXISTING TRAFFIC SIGN                                   |



CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1  
STA. 268+50 TO STA. 273+50**

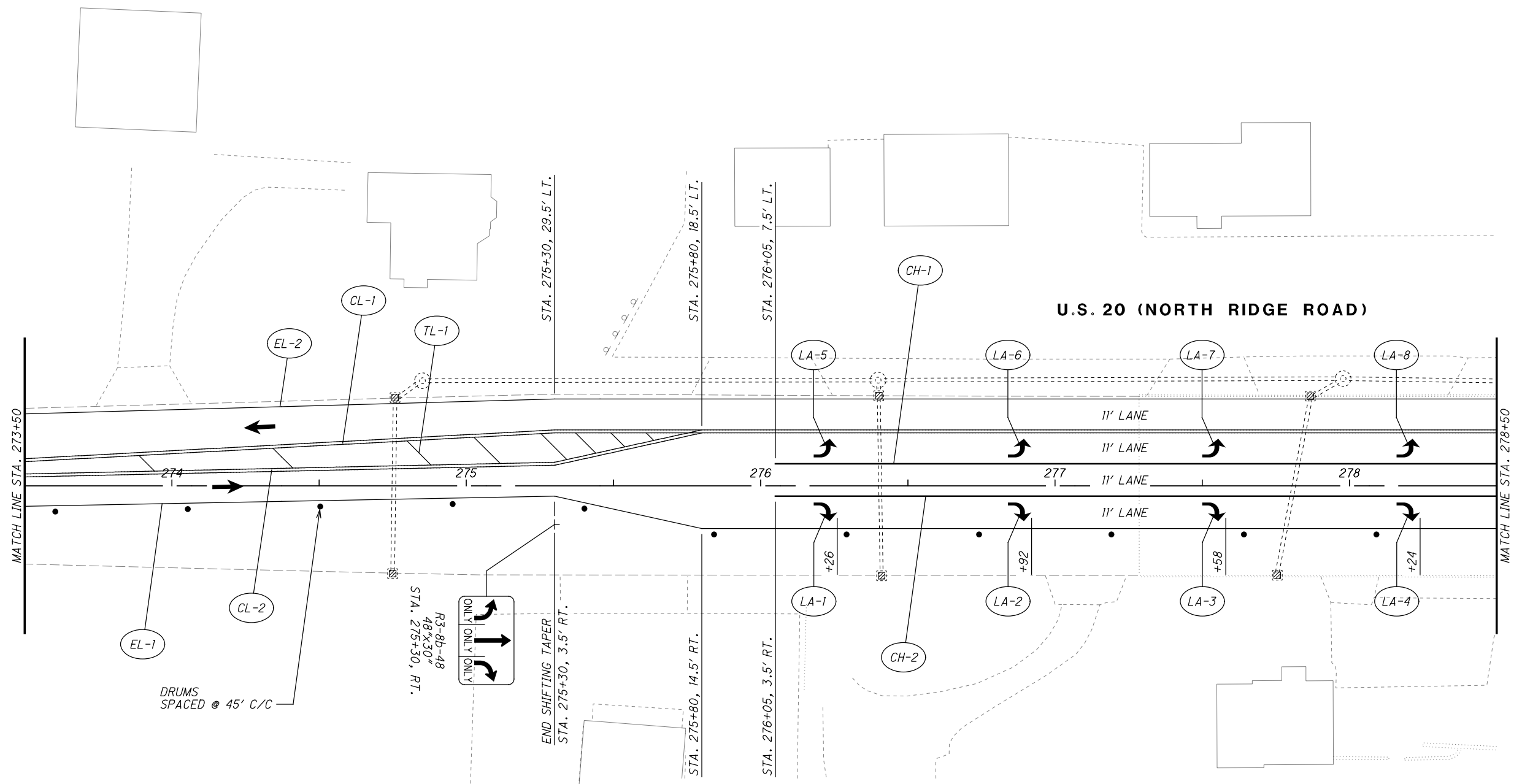
**LAK-US-20-19.59  
PART 1**

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CALCULATED JDC CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 273+50 TO STA. 278+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

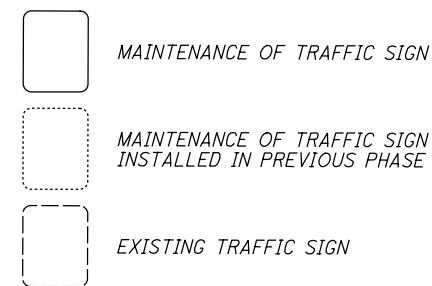
**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" TO THE FOLLOWING NEW LOCATIONS:

SIGNAL HEAD "A": 45.2 FEET FROM POLE P1  
 SIGNAL HEAD "B": 57.1 FEET FROM POLE P1

2. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.

**LEGEND**

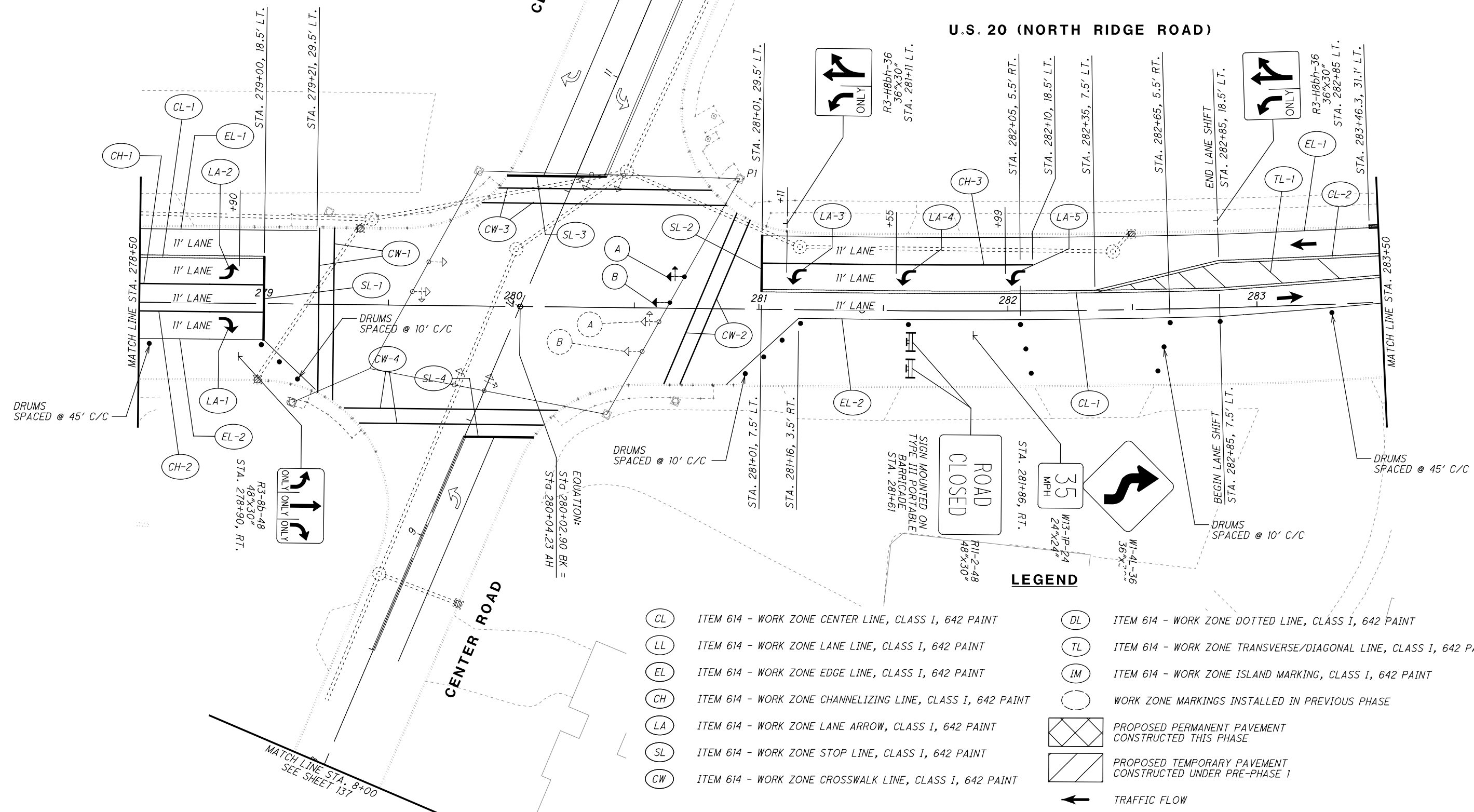


**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 278+50 TO STA. 283+50**

**LAK-US-20-19.59**  
**PART 1**

105  
 1253

**U.S. 20 (NORTH RIDGE ROAD)**



- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (→)  | TRAFFIC FLOW  |

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NOTES

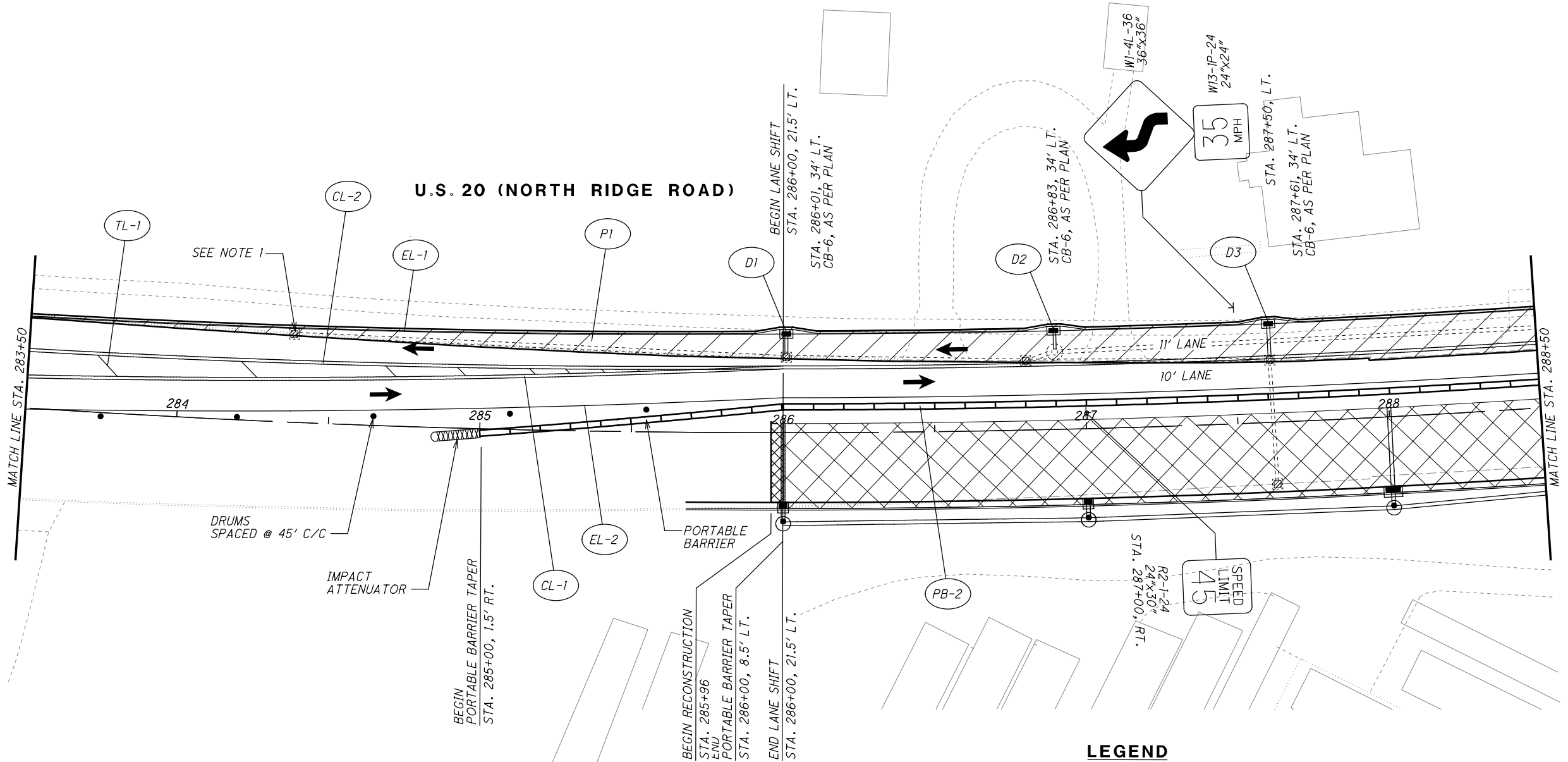
- 1. WELD GRATE TO FRAME

CALCULATED JDC CHECKED EJT

0 20 40  
10' HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 283+50 TO STA. 288+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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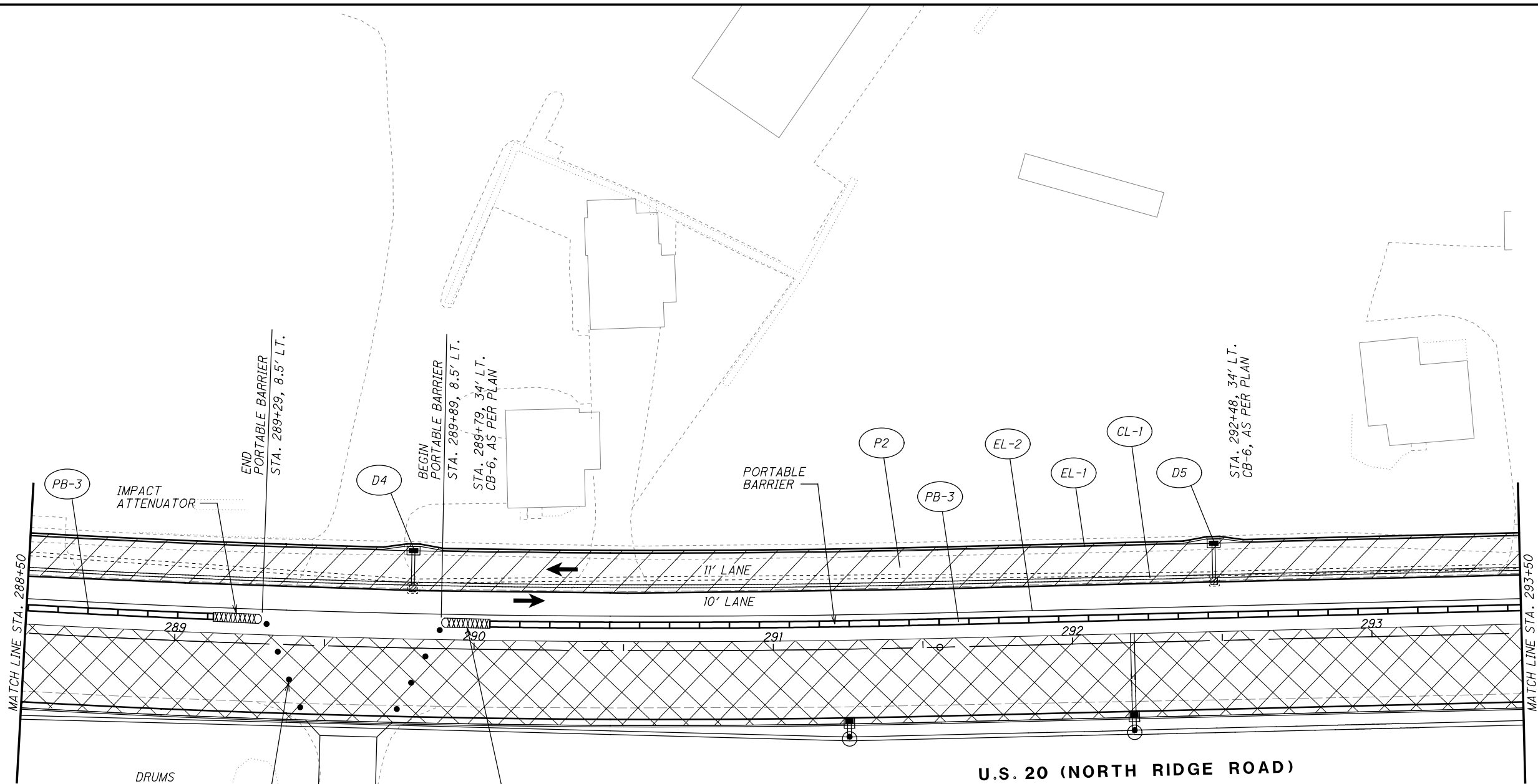
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CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 288+50 TO STA. 293+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

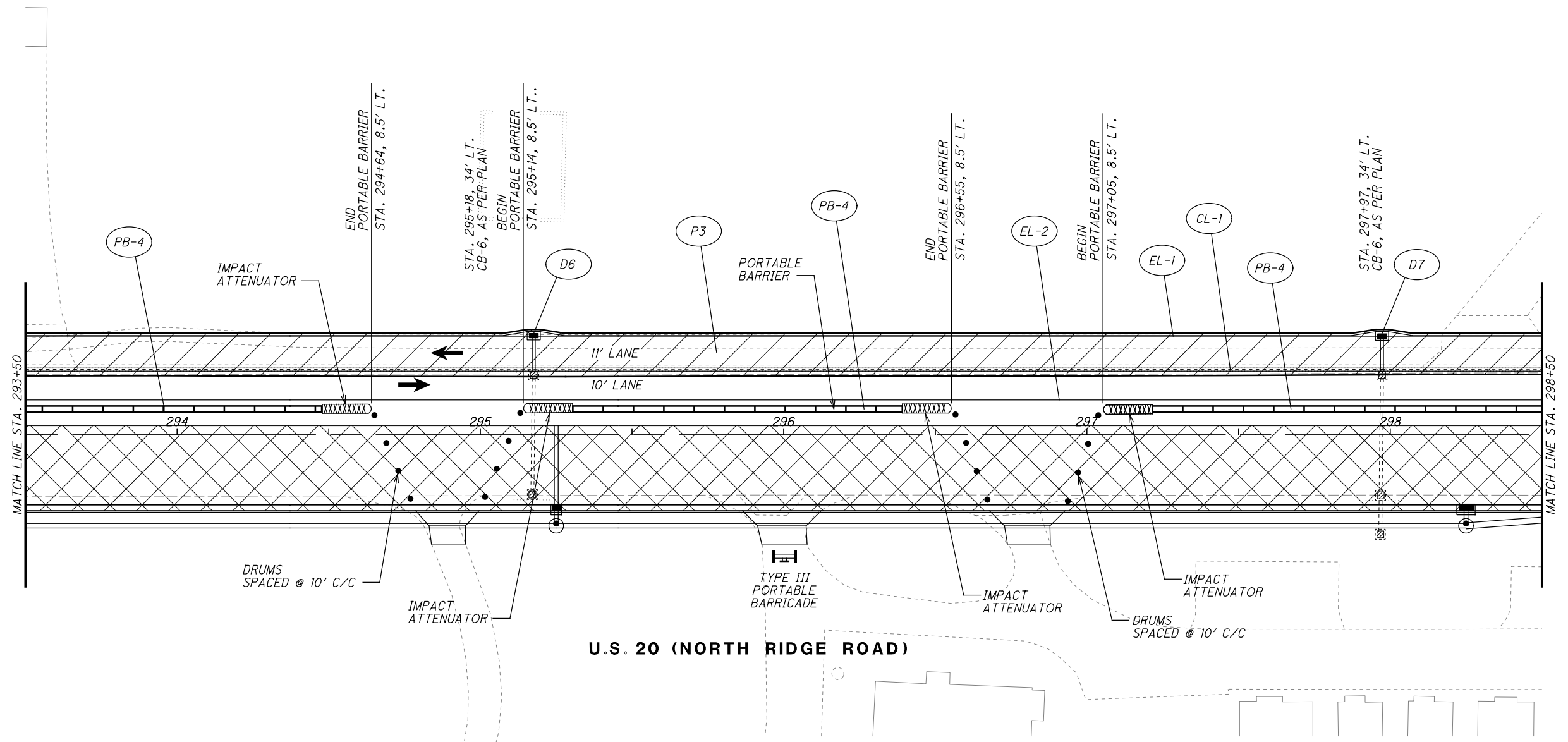
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 CALCULATED JDC  
 CHECKED EJT








**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 293+50 TO STA. 298+50**

**LAK-US-20-19.59**  
**PART 1**






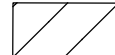



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

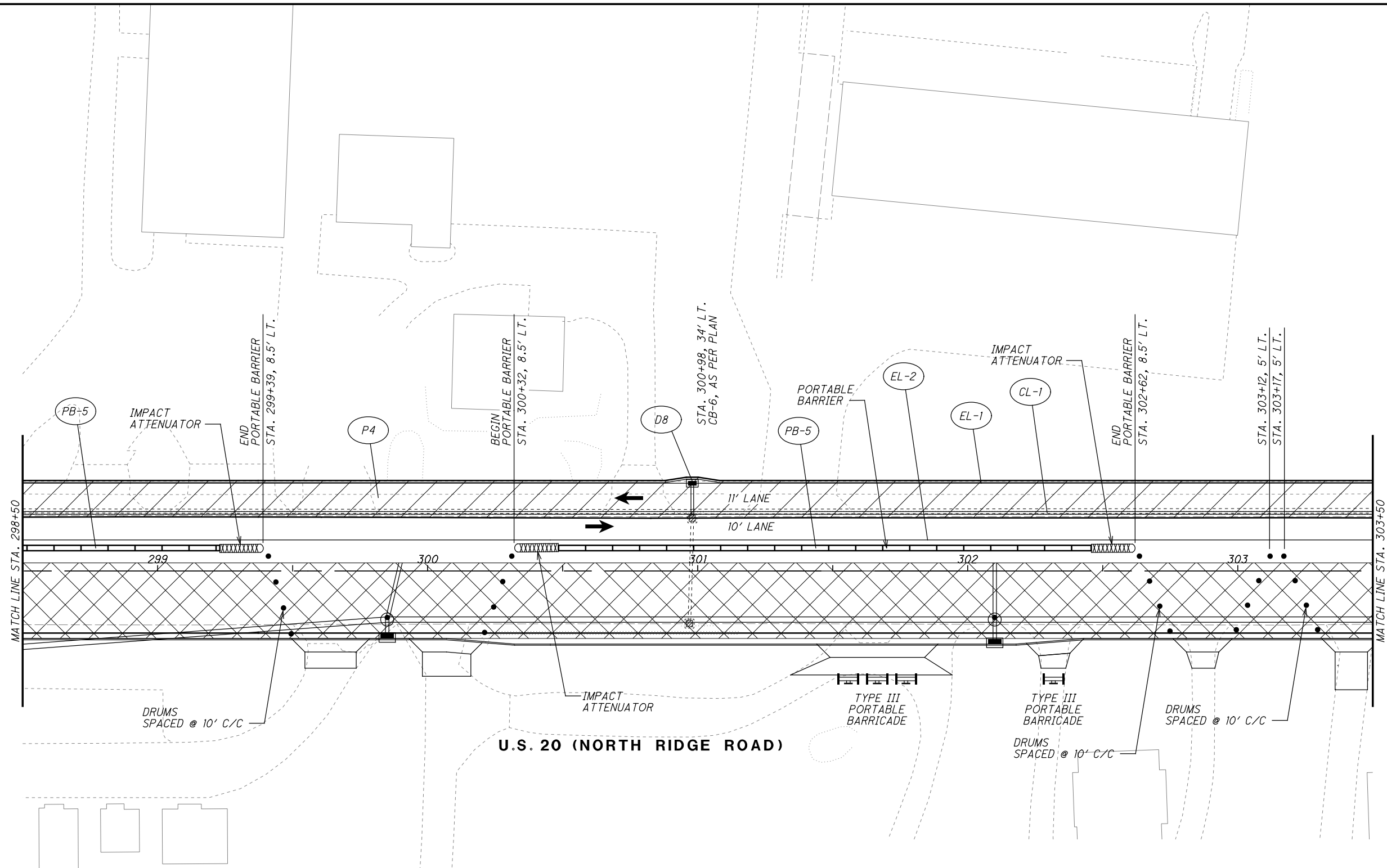
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

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


  
 0 20 40  
 HORIZONTAL  
 SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT








**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 298+50 TO STA. 303+50**






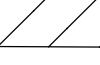

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
-  TRAFFIC FLOW



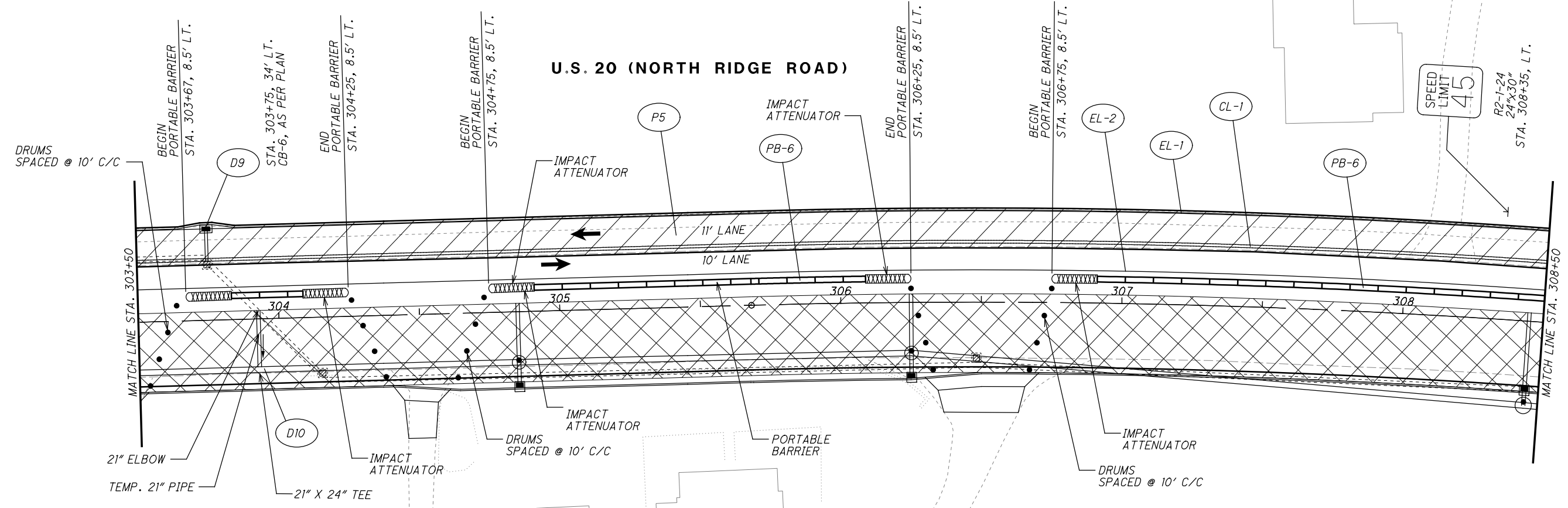
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CALCULATED JDC  
CHECKED EJT




0 10 20 40  
HORIZONTAL SCALE IN FEET








**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 303+50 TO STA. 308+50**

**LAK-US-20-19.59**  
**PART 1**





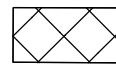
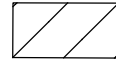



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
-  TRAFFIC FLOW

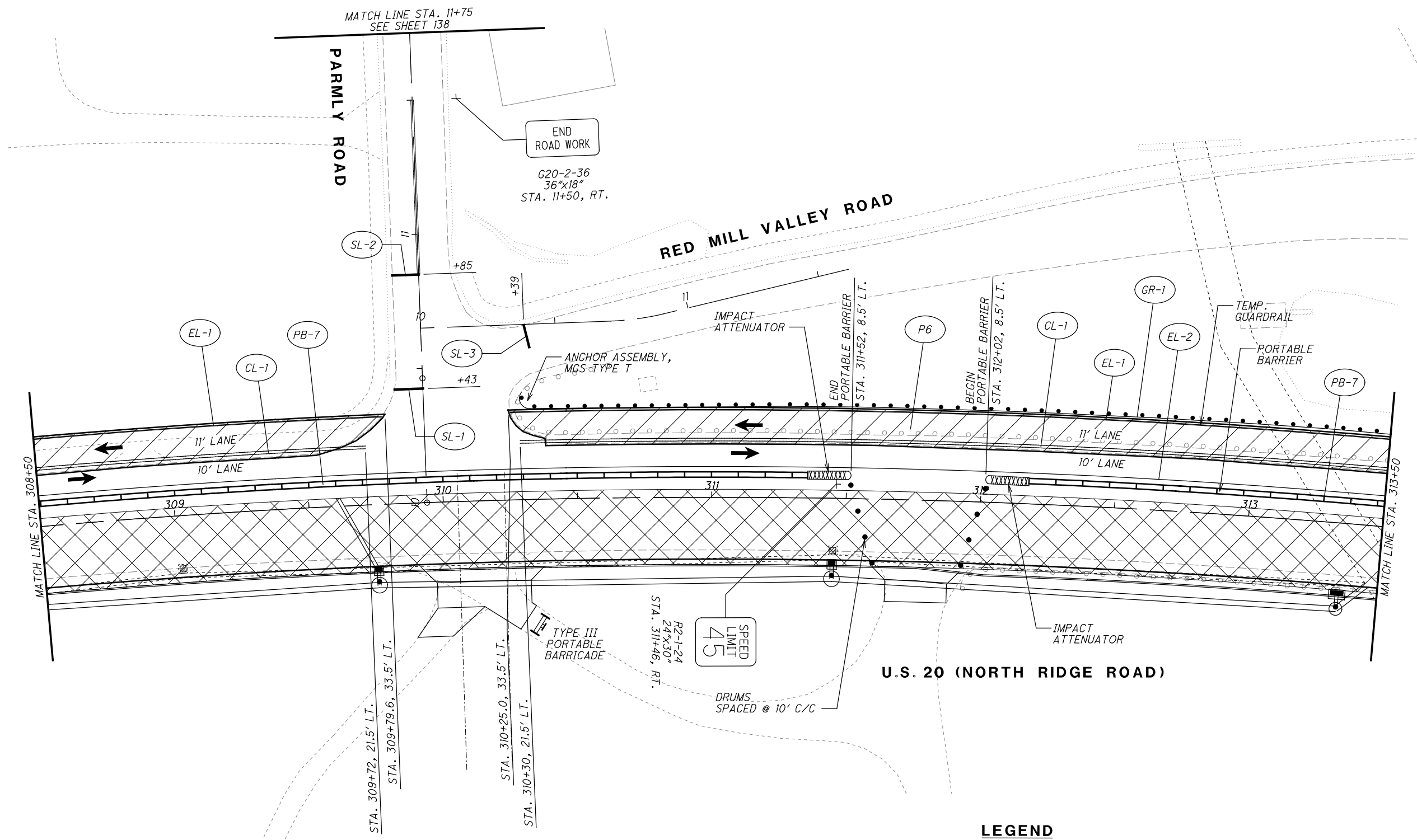
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CALCULATED JDC CHECKED EJT  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 308+50 TO STA. 313+50**

**LAK-US-20-19.59**  
**PART 1**

111  
 1253



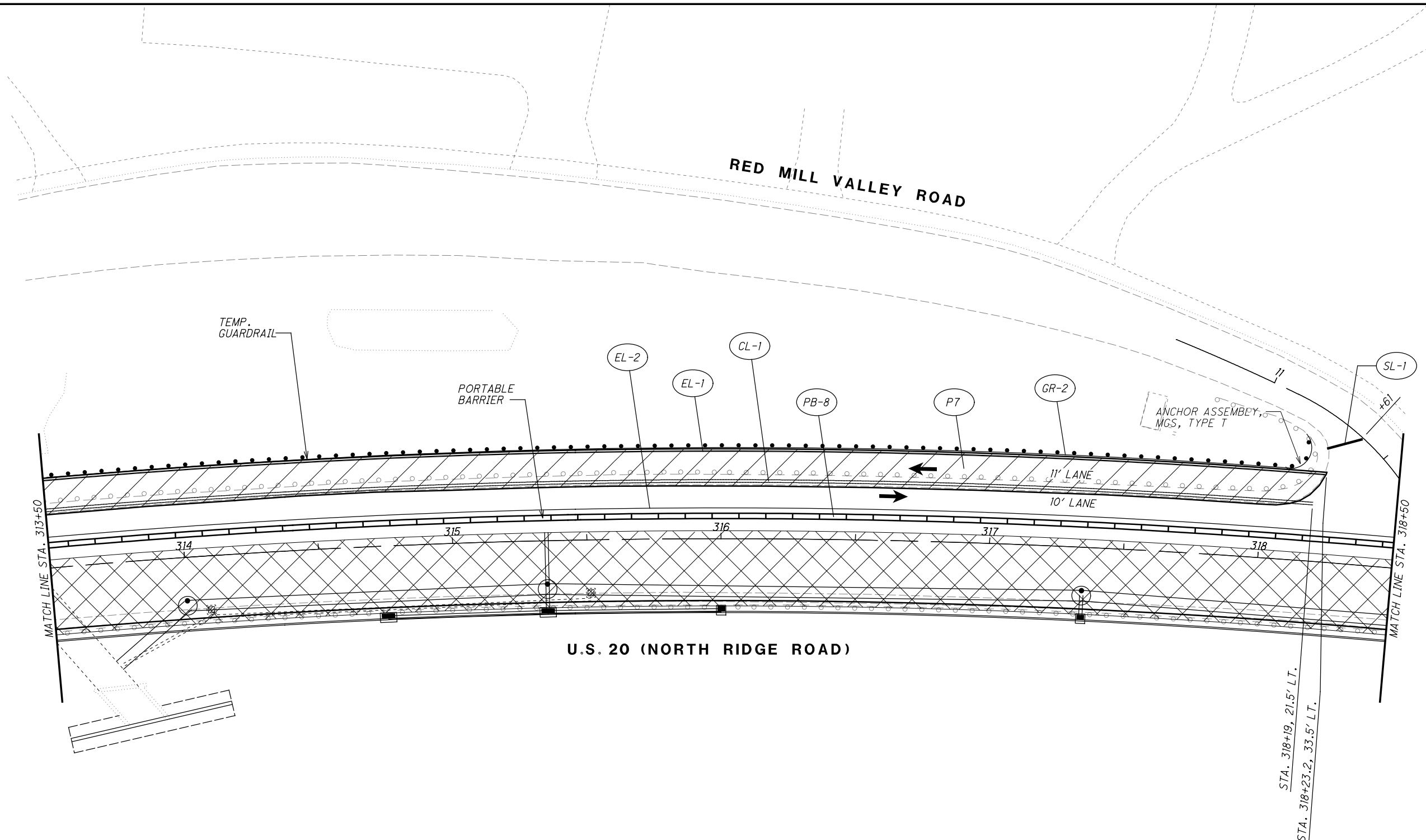
**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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CALCULATED JDC CHECKED EJT








0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 313+50 TO STA. 318+50**





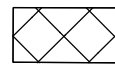
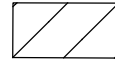

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  CL ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  LL ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  EL ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  CH ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  LA ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  SL ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  CW ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  DL ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  TL ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  IM ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
-  TRAFFIC FLOW

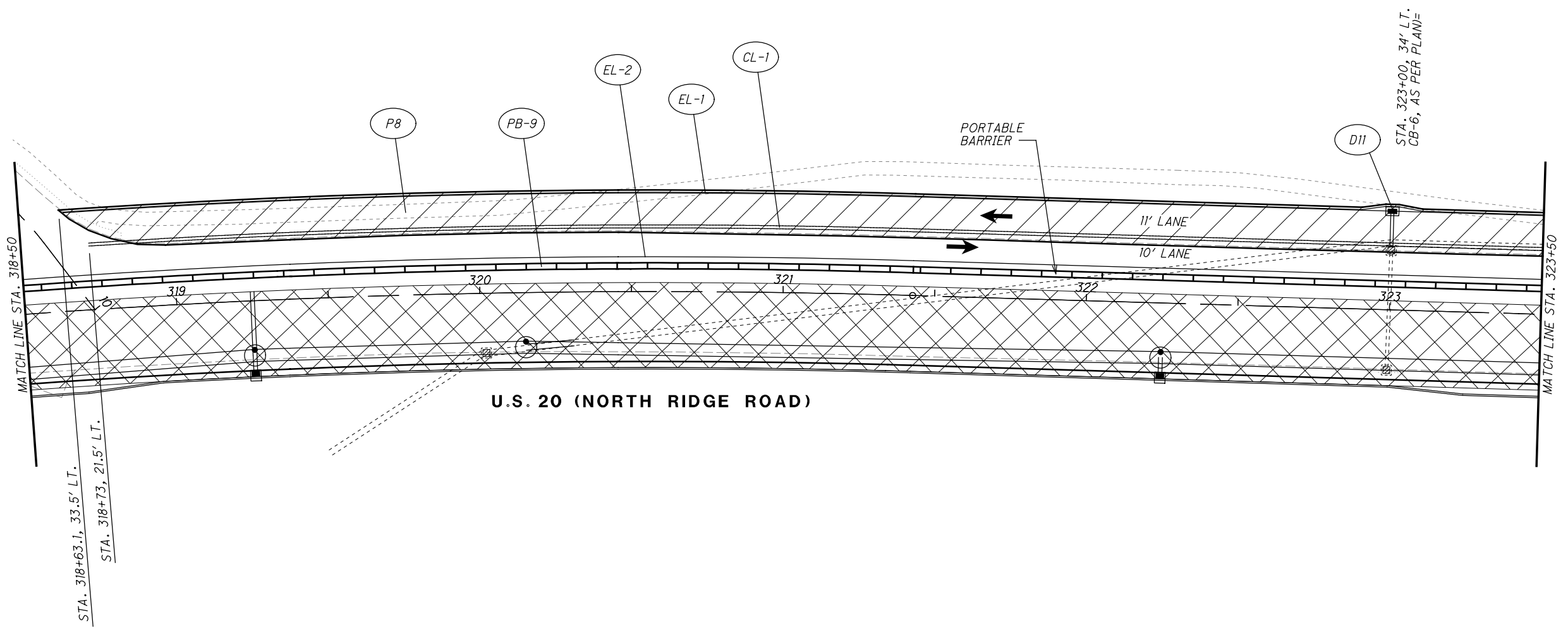
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CALCULATED  
JDC  
CHECKED  
EJT

0 20 40  
HORIZONTAL  
SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 318+50 TO STA. 323+50**








**LAK-US-20-19.59**  
**PART 1**








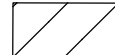

**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
-  TRAFFIC FLOW

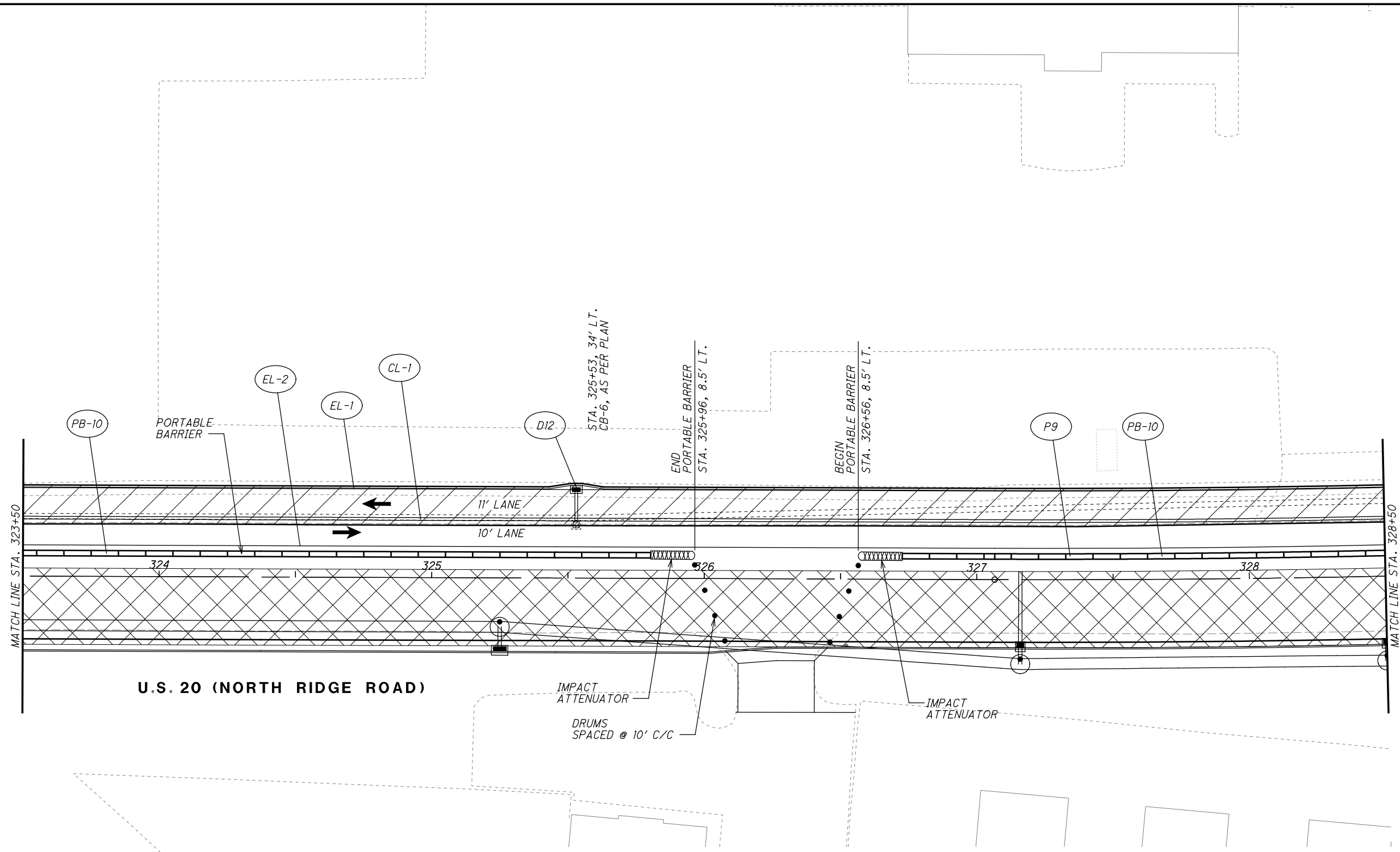
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

  
 10' HORIZONTAL SCALE IN FEET








**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 323+50 TO STA. 328+50**






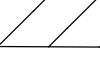

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

**NOTE:**  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE CALL ROAD AT STA. 332+79, RT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT CALL ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.




THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

CENTER ROAD STA. 280+03  
 TOWNLINE ROAD STA. 405+83

FOR CLOSURE OF CALL ROAD SEE DETAILS ON SHEET 142.  
 FOR DETOUR ROUTE SEE SHEET 42.

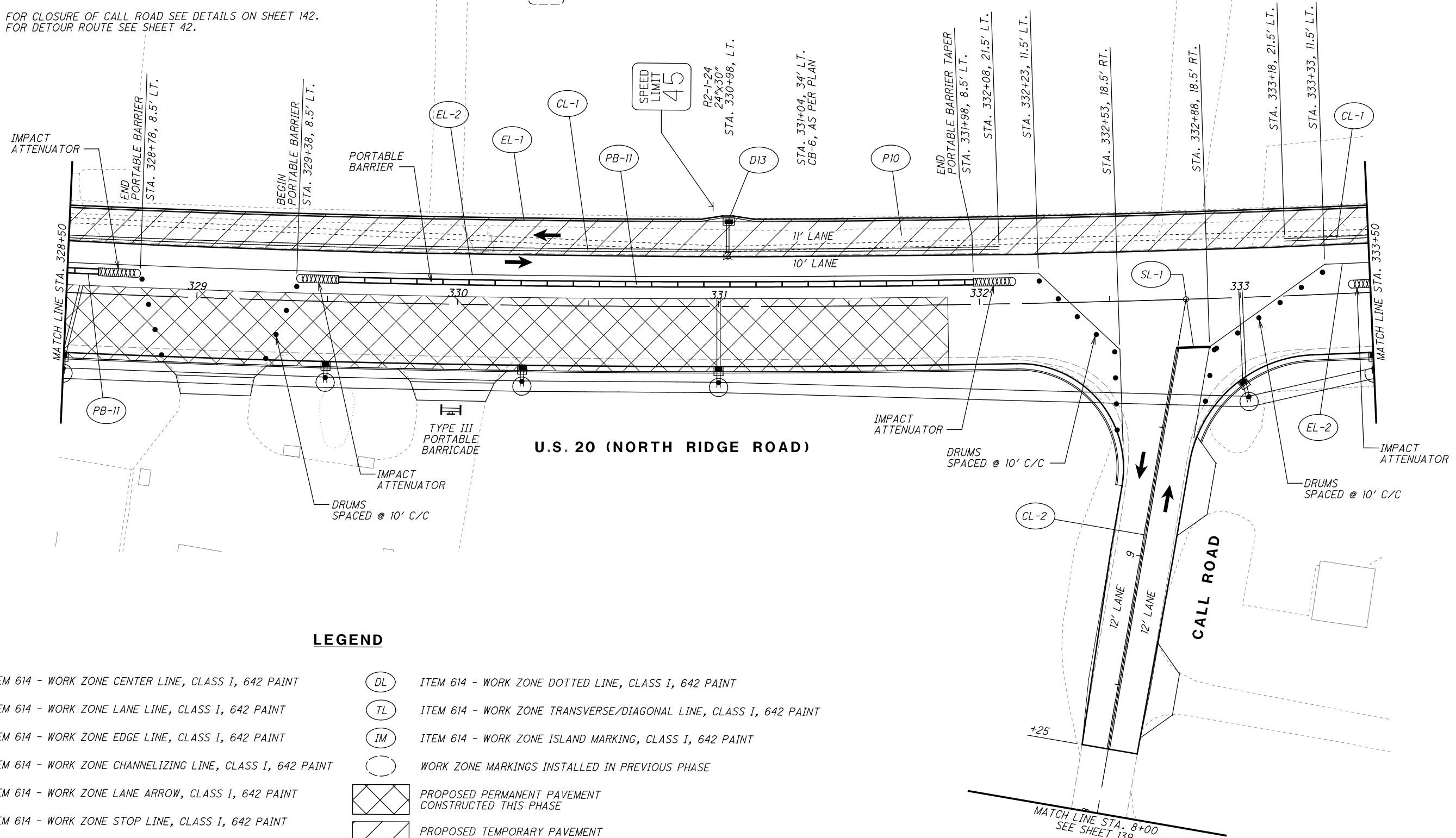
**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN












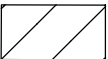


CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET



**LEGEND**

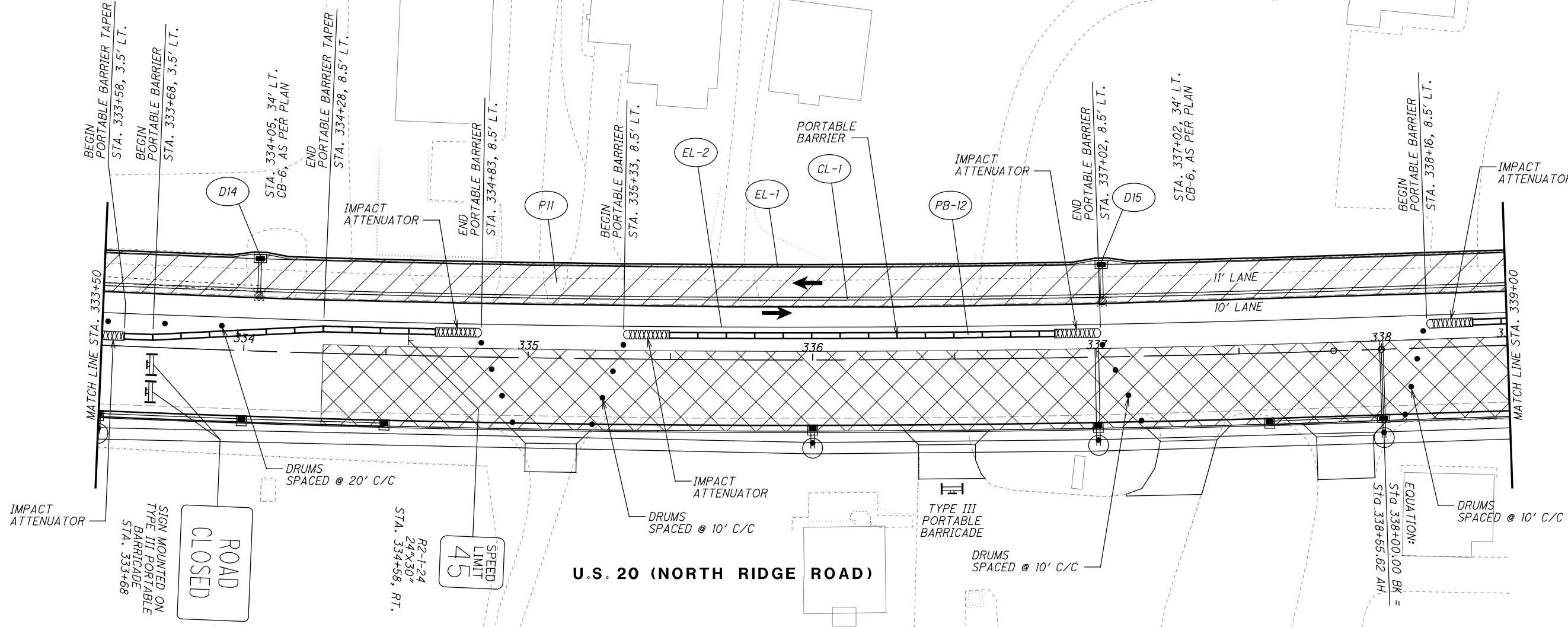
- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 328+50 TO STA. 333+50**

**LAK-US-20-19.59**  
**PART 1**

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**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
	TRAFFIC FLOW

CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 333+50 TO STA. 339+00**

**LAK-US-20-19.59**  
**PART 1**

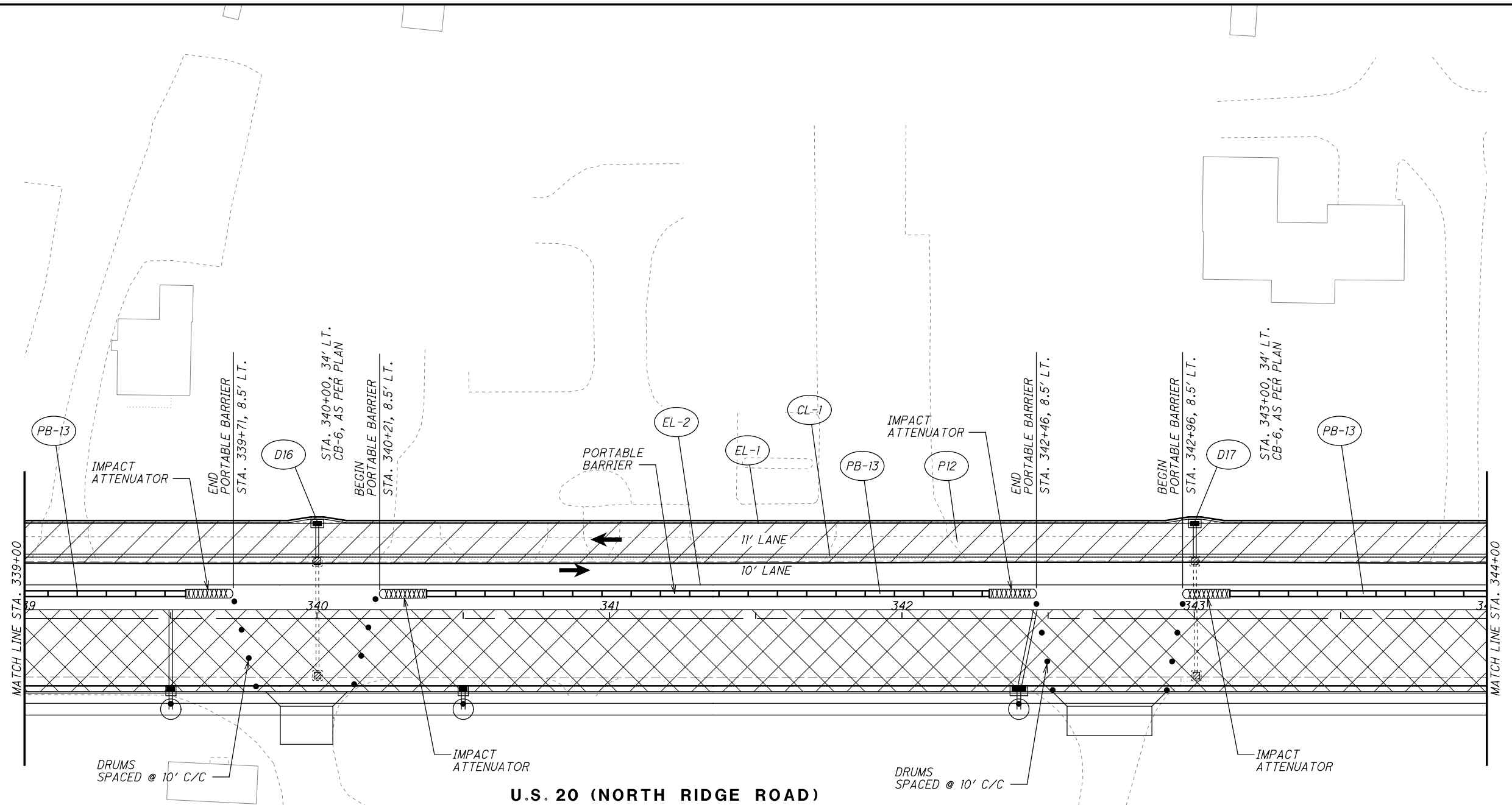
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CALCULATED JDC CHECKED EJT

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HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 339+00 TO STA. 344+00**








**LAK-US-20-19.59**  
**PART 1**







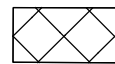
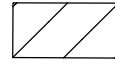

**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW



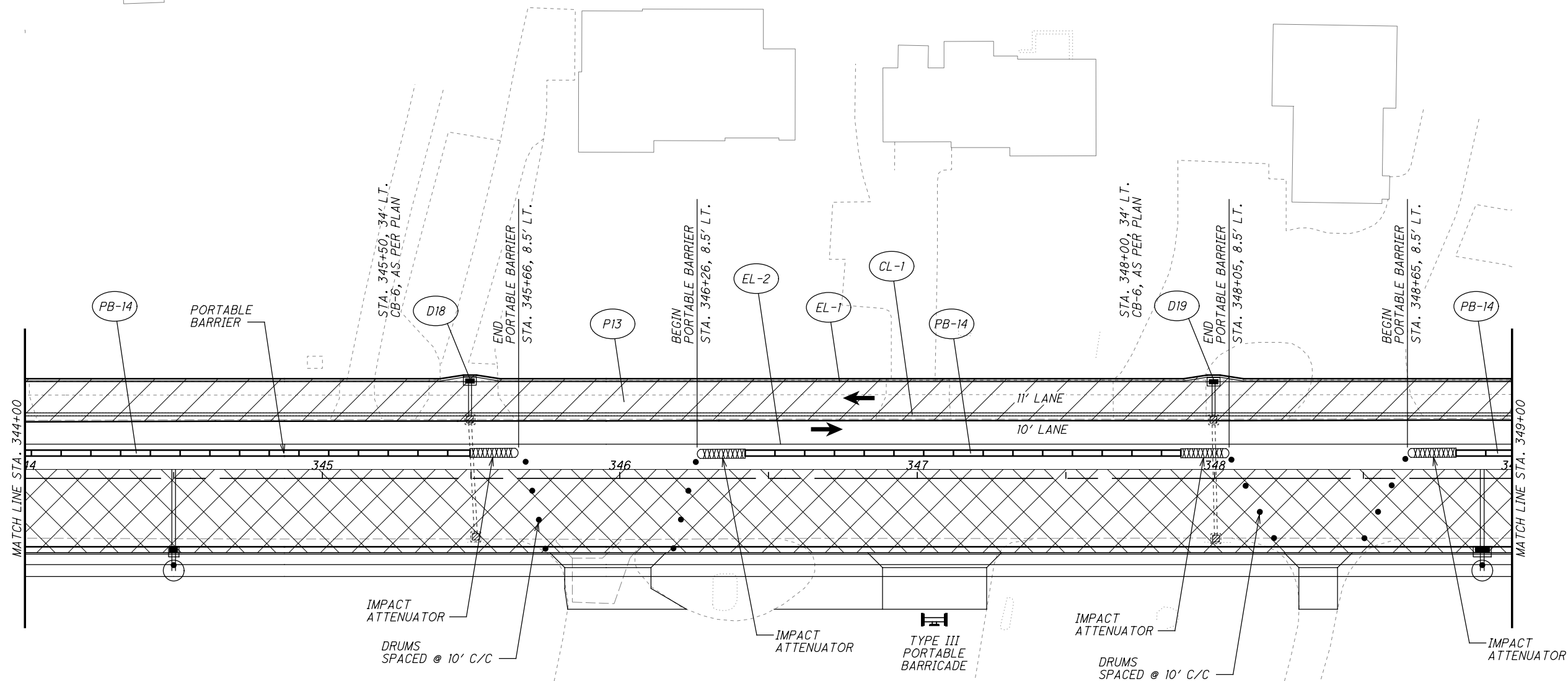
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CALCULATED JDC CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 344+00 TO STA. 349+00**

**LAK-US-20-19.59**  
**PART 1**



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

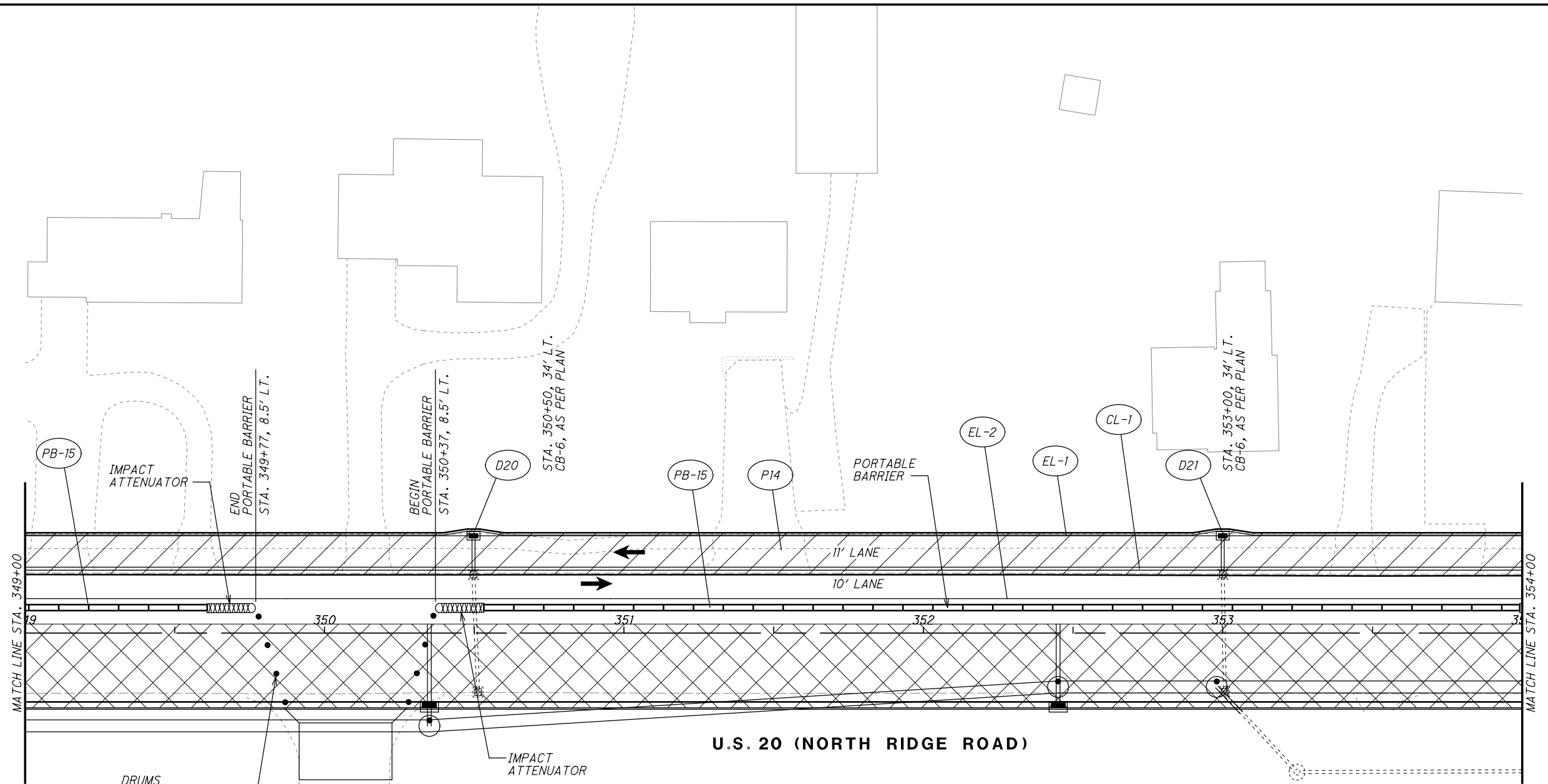
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CALCULATED JDC CHECKED EJT

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HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 349+00 TO STA. 354+00**








**LAK-US-20-19.59**  
**PART 1**







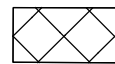
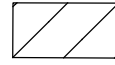

**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

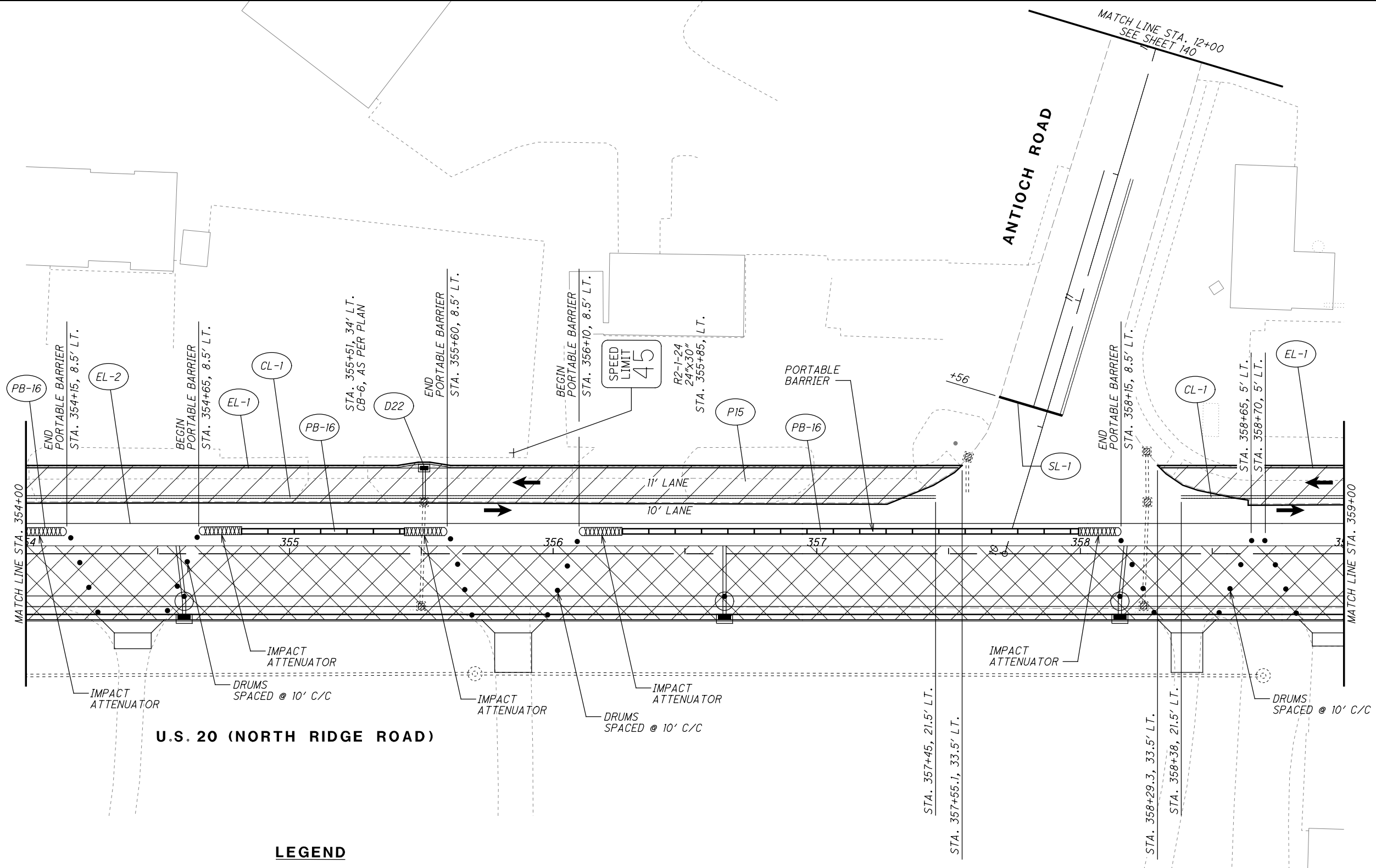
-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

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**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | ( )  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

**LEGEND**

- |     |   |
|-----|---|
| ( ) | MAINTENANCE OF TRAFFIC SIGN                             |
| ( ) | MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| ( ) | EXISTING TRAFFIC SIGN                                   |

CALCULATED JDC CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 354+00 TO STA. 359+00**

**LAK-US-20-19.59**  
**PART 1**

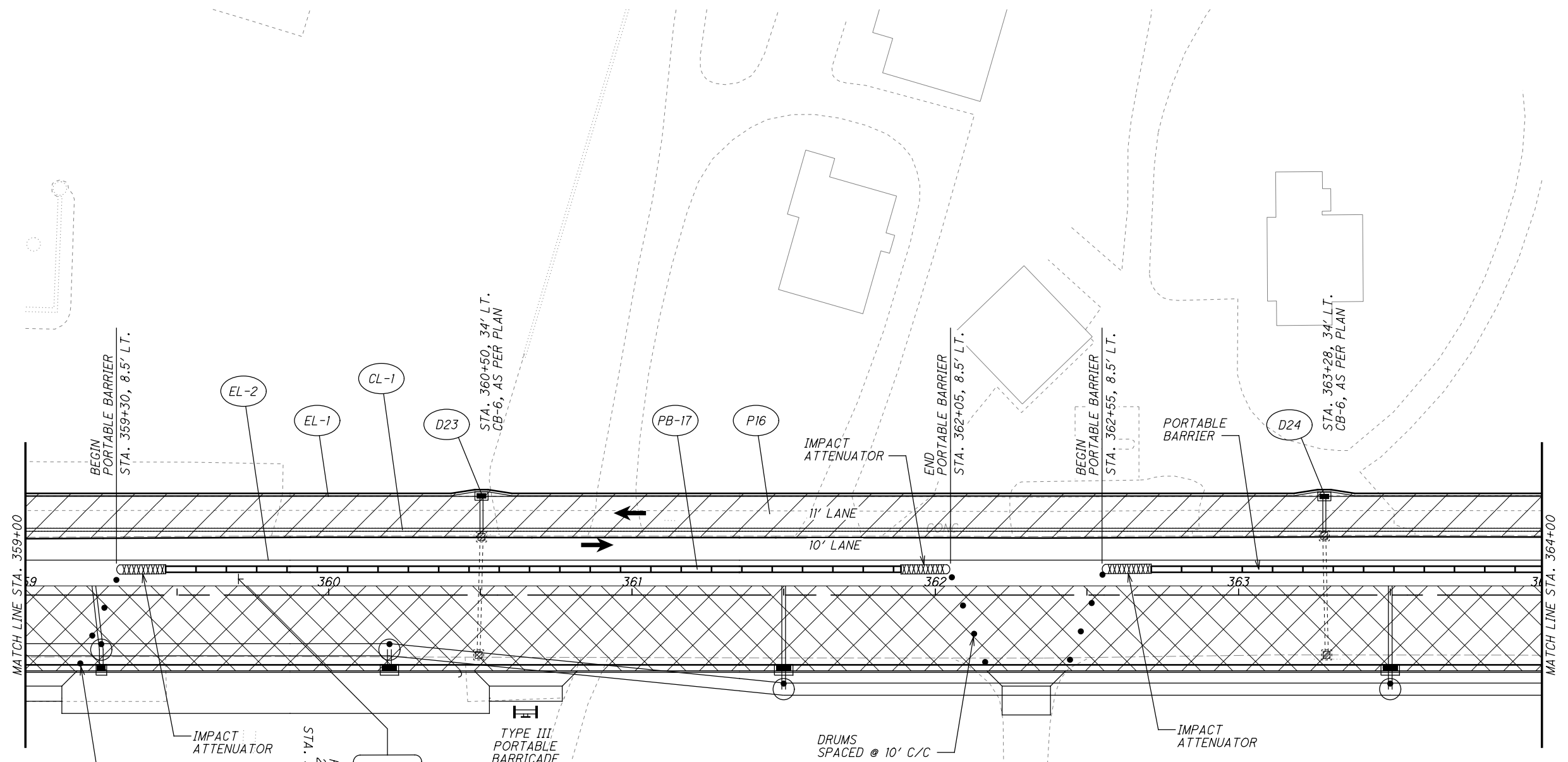
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CALCULATED JDC  
 CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 359+00 TO STA. 364+00**

**LAK-US-20-19.59**  
**PART 1**

121  
1253



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

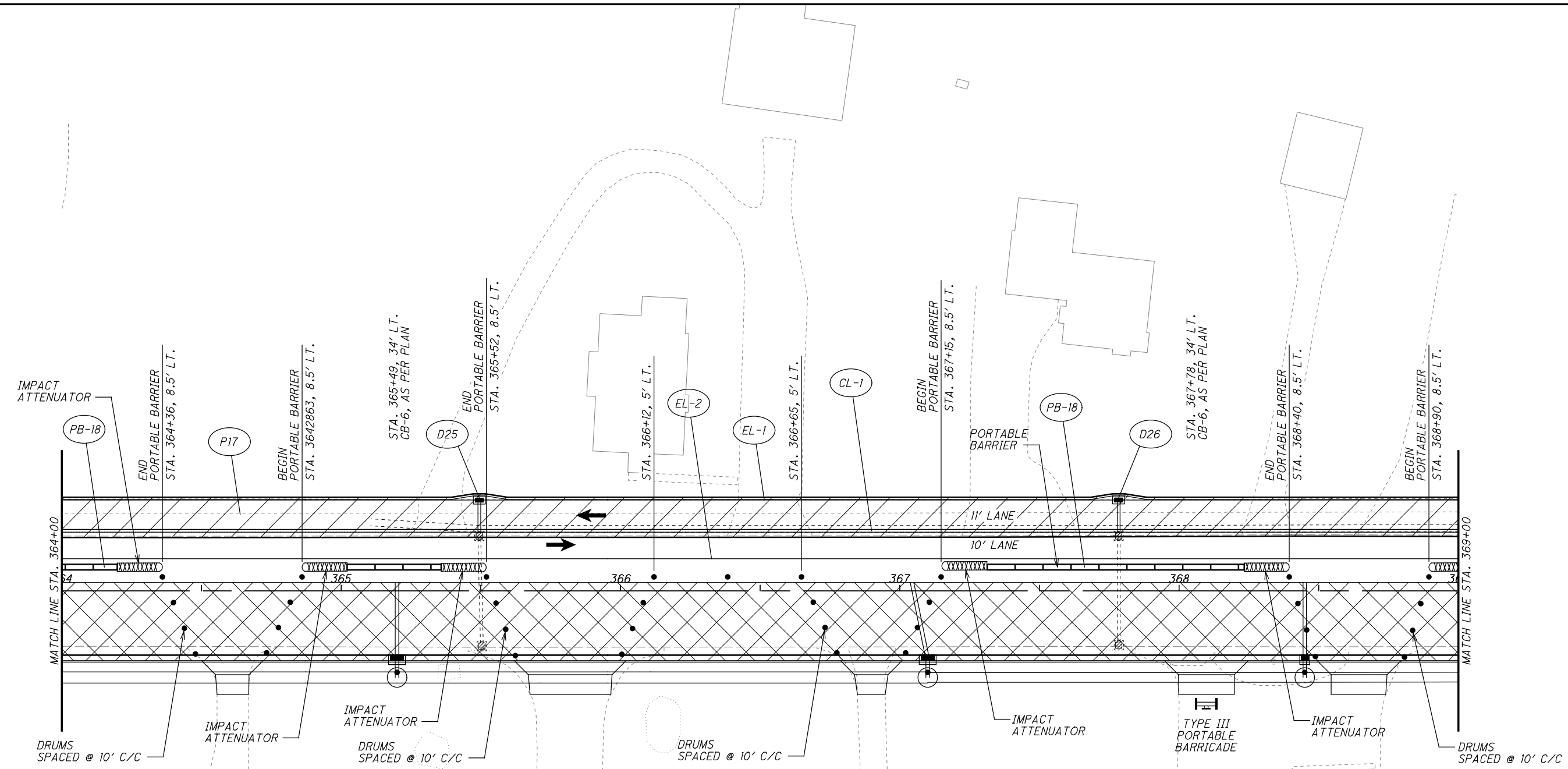
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 HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 364+00 TO STA. 369+00**








**LAK-US-20-19.59**  
**PART 1**










**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

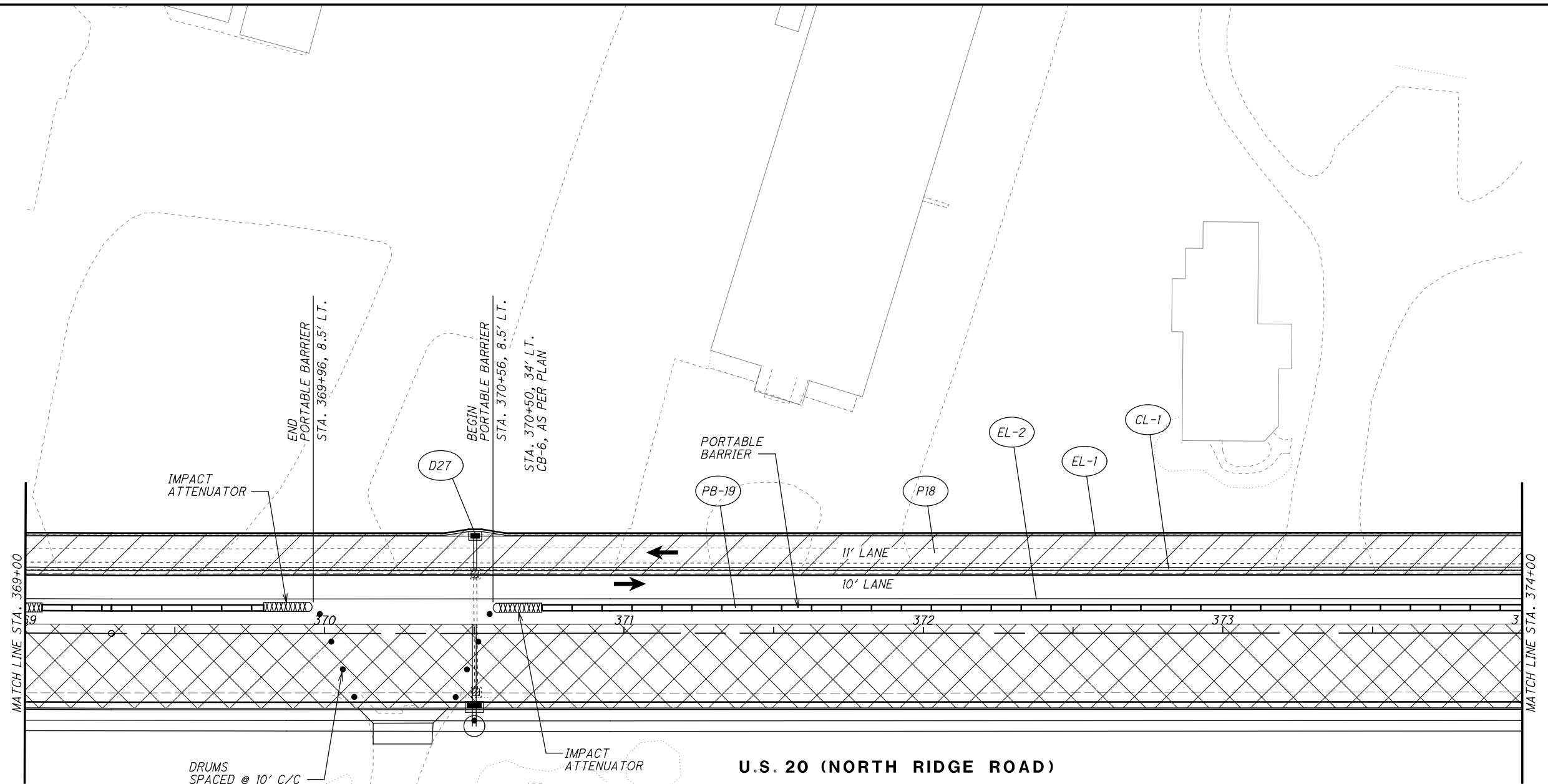
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CALCULATED JDC CHECKED EJT

0 20 40  
10  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 369+00 TO STA. 374+00**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

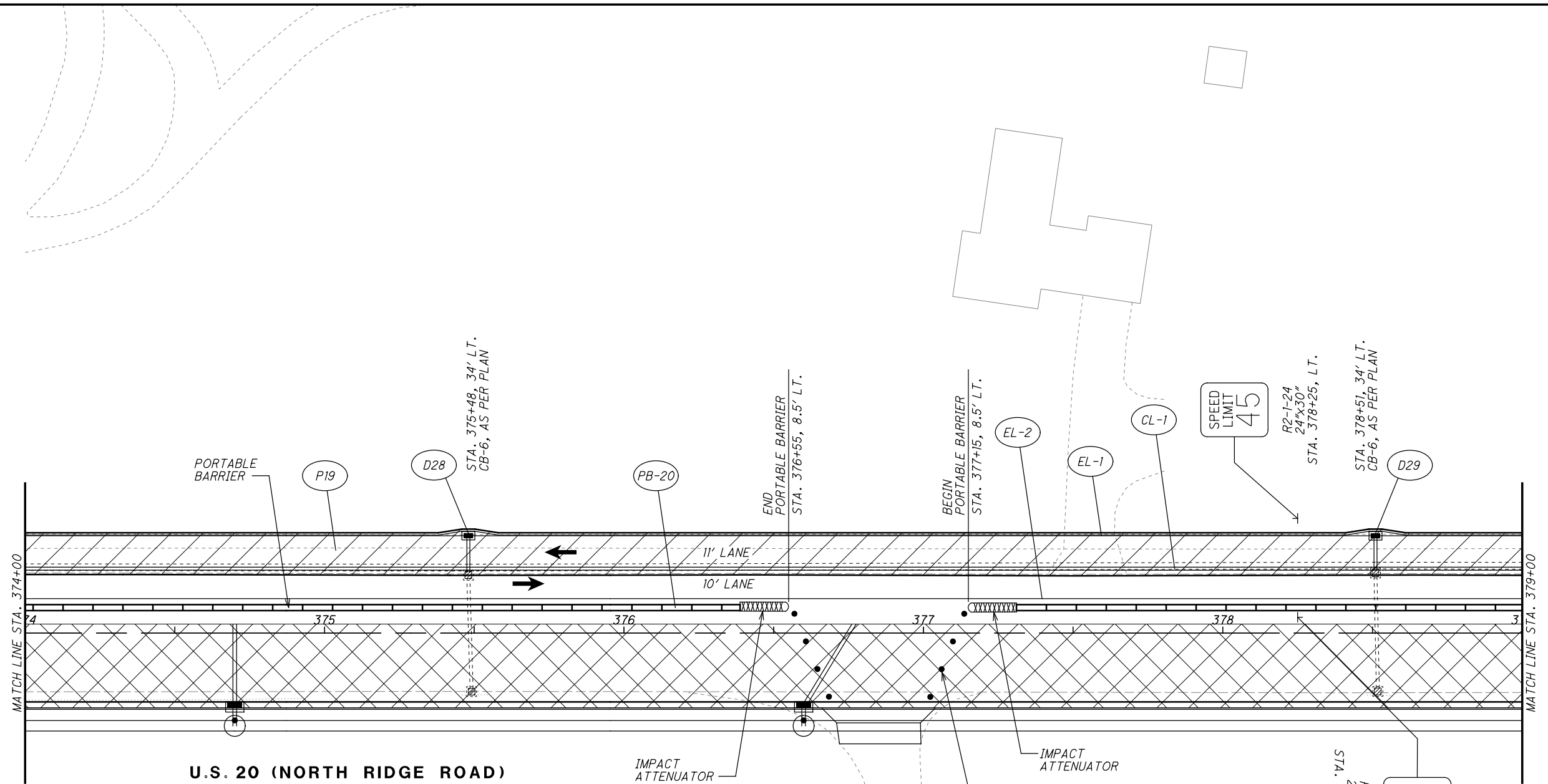
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CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 374+00 TO STA. 379+00**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
- TRAFFIC FLOW

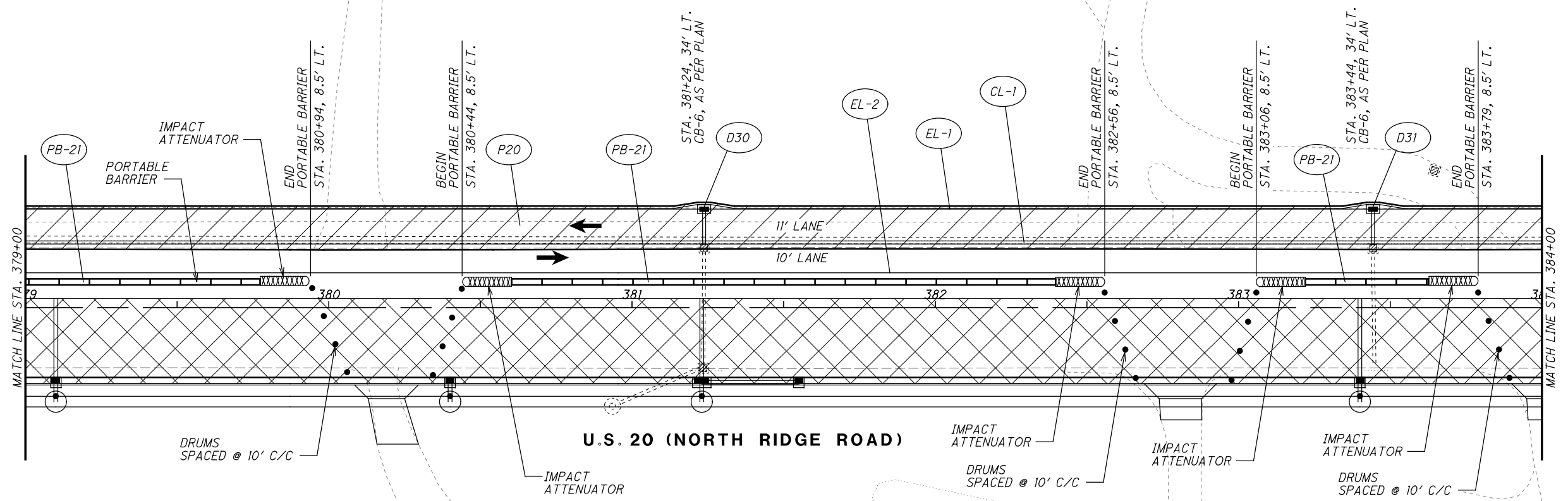
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CALCULATED JDC  
 CHECKED EJT  
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 HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 379+00 TO STA. 384+00**








**LAK-US-20-19.59**  
**PART 1**





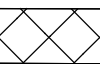
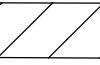

125  
1253



**LEGEND**

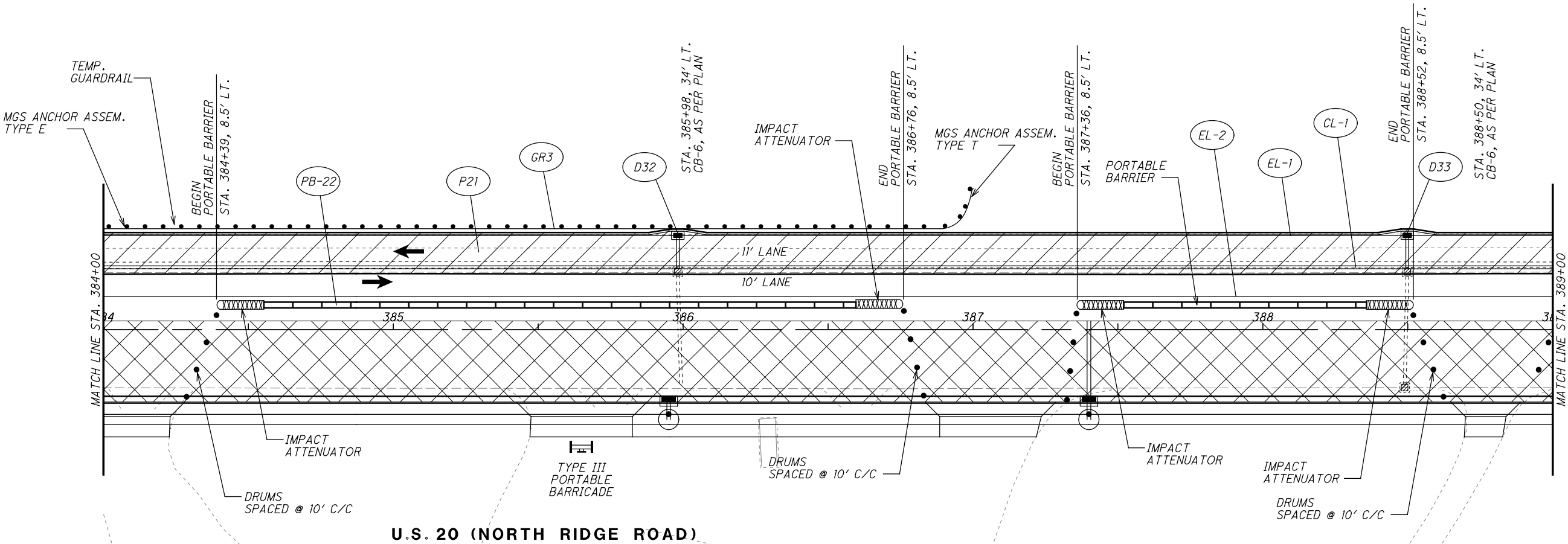
-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  CL ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  LL ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  EL ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  CH ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  LA ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  SL ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  CW ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




-  DL ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  TL ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  IM ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW










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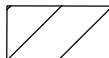
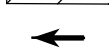


**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  CL ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  LL ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  EL ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  CH ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  LA ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  SL ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  CW ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  DL ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  TL ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  IM ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
-  TRAFFIC FLOW



**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 384+00 TO STA. 389+00**

**LAK-US-20-19.59**  
**PART 1**

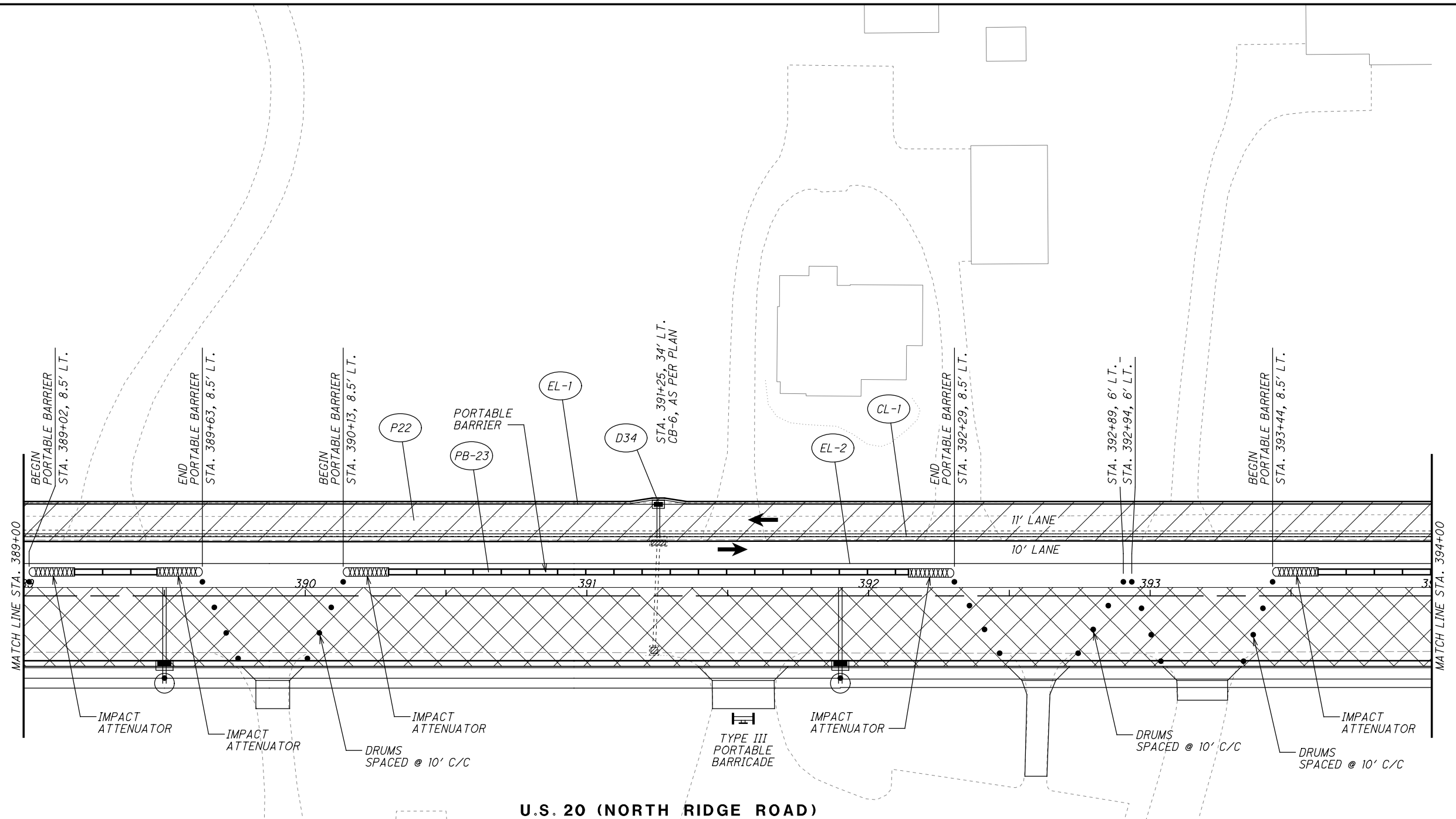
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CALCULATED JDC CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 389+00 TO STA. 394+00**

**LAK-US-20-19.59**  
**PART 1**



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

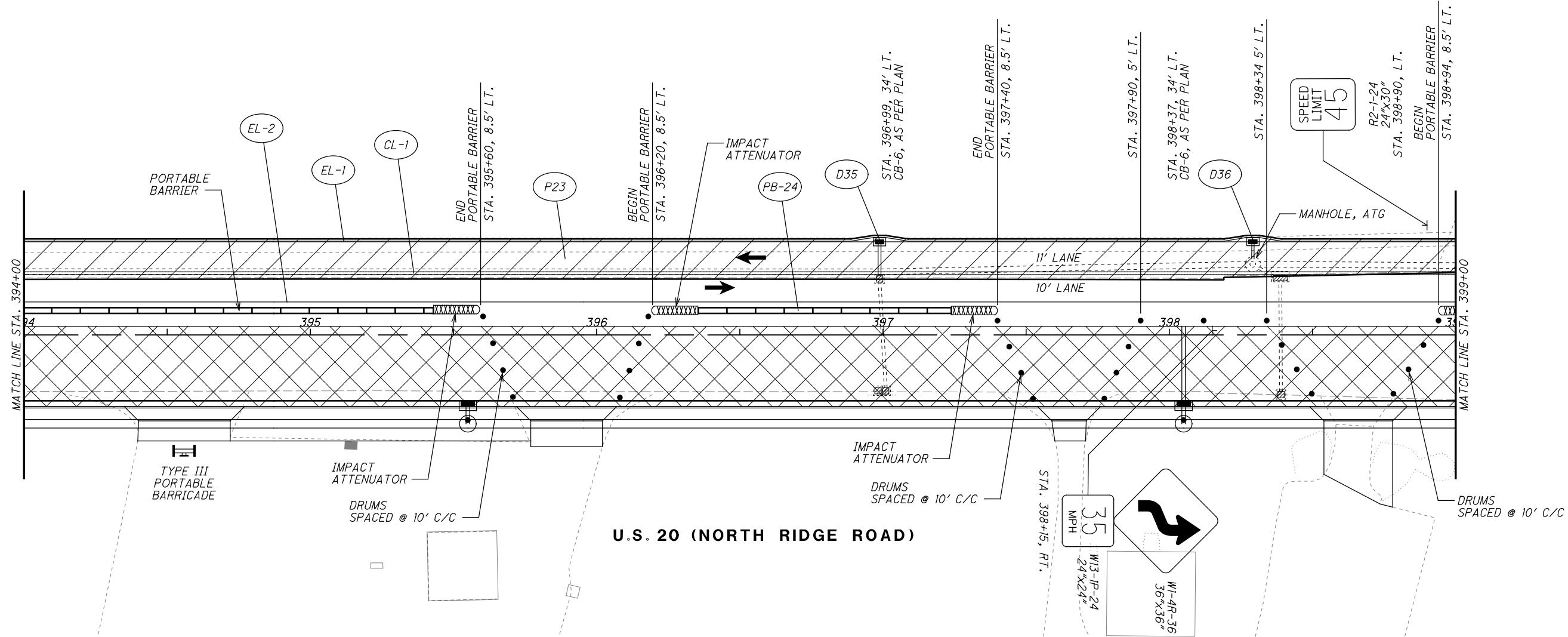
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 HORIZONTAL SCALE IN FEET








**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 394+00 TO STA. 399+00**

**LAK-US-20-19.59**  
**PART 1**






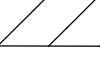



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN




-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**












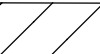


-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

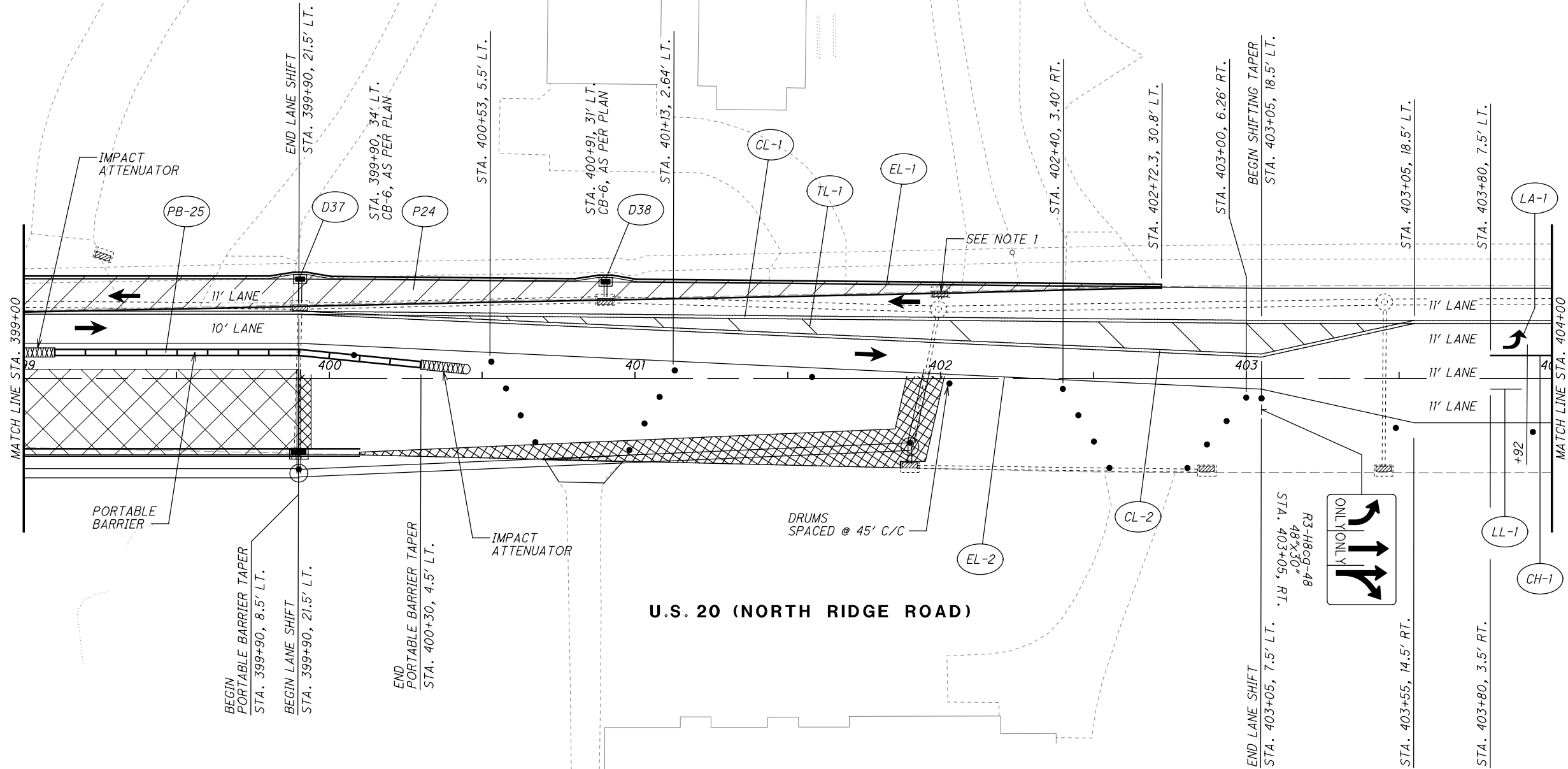
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NOTES  
1. WELD GRATE TO FRAME

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

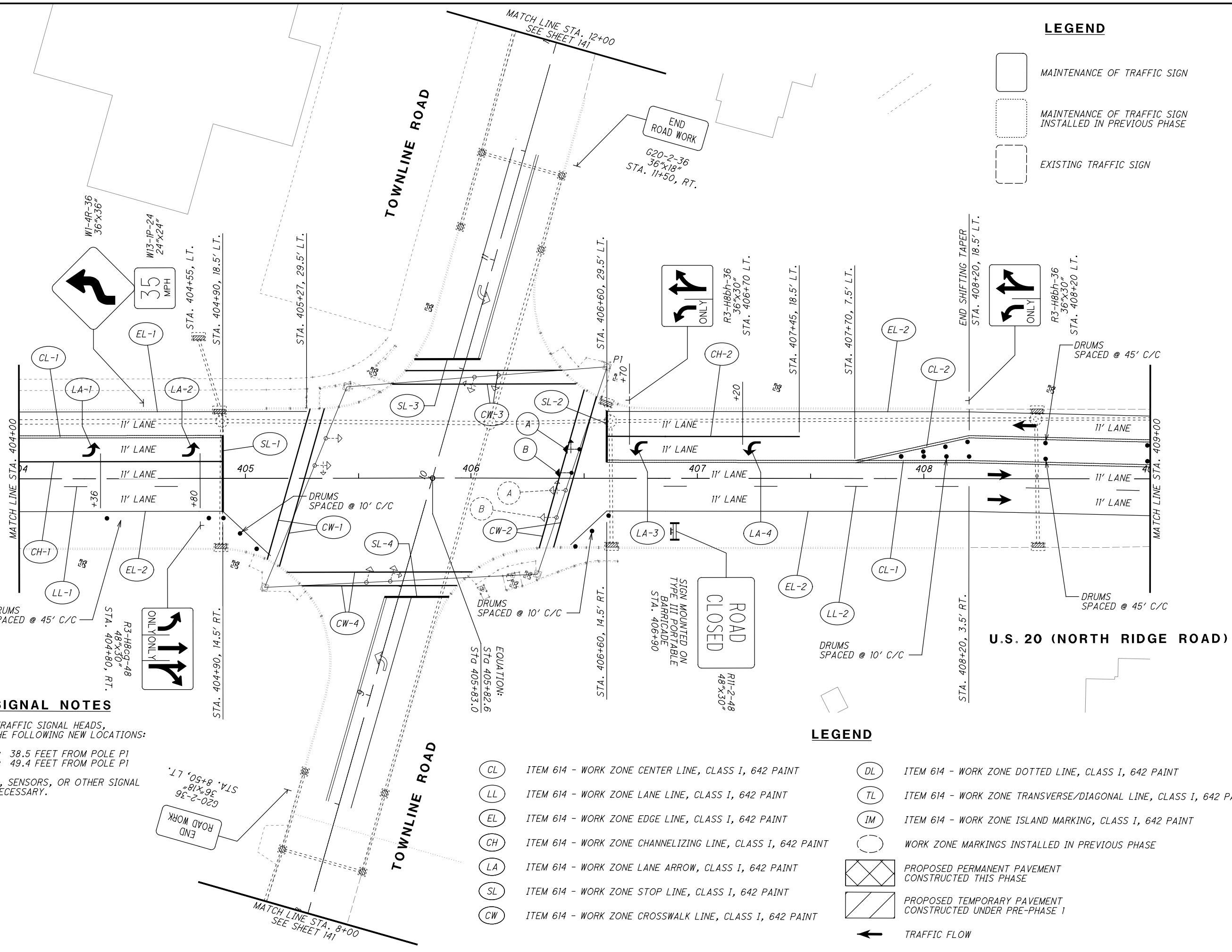


CALCULATED JDC CHECKED EJT




0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 399+00 TO STA. 404+00**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**















-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" TO THE FOLLOWING NEW LOCATIONS:  
 SIGNAL HEAD "A": 38.5 FEET FROM POLE P1  
 SIGNAL HEAD "B": 49.4 FEET FROM POLE P1
2. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.

**LEGEND**

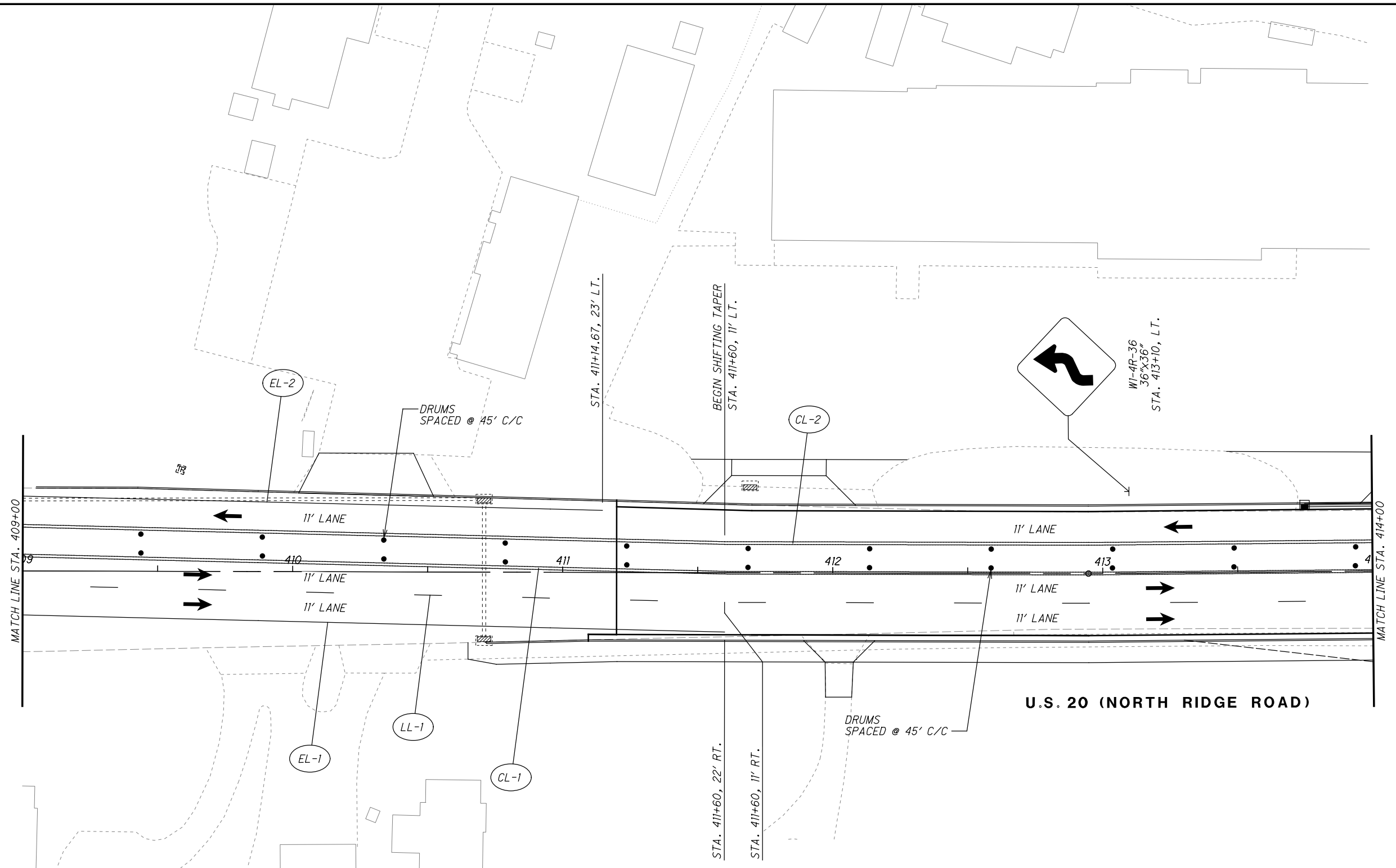
- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

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CALCULATED JDC  
 CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 409+00 TO STA. 414+00**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

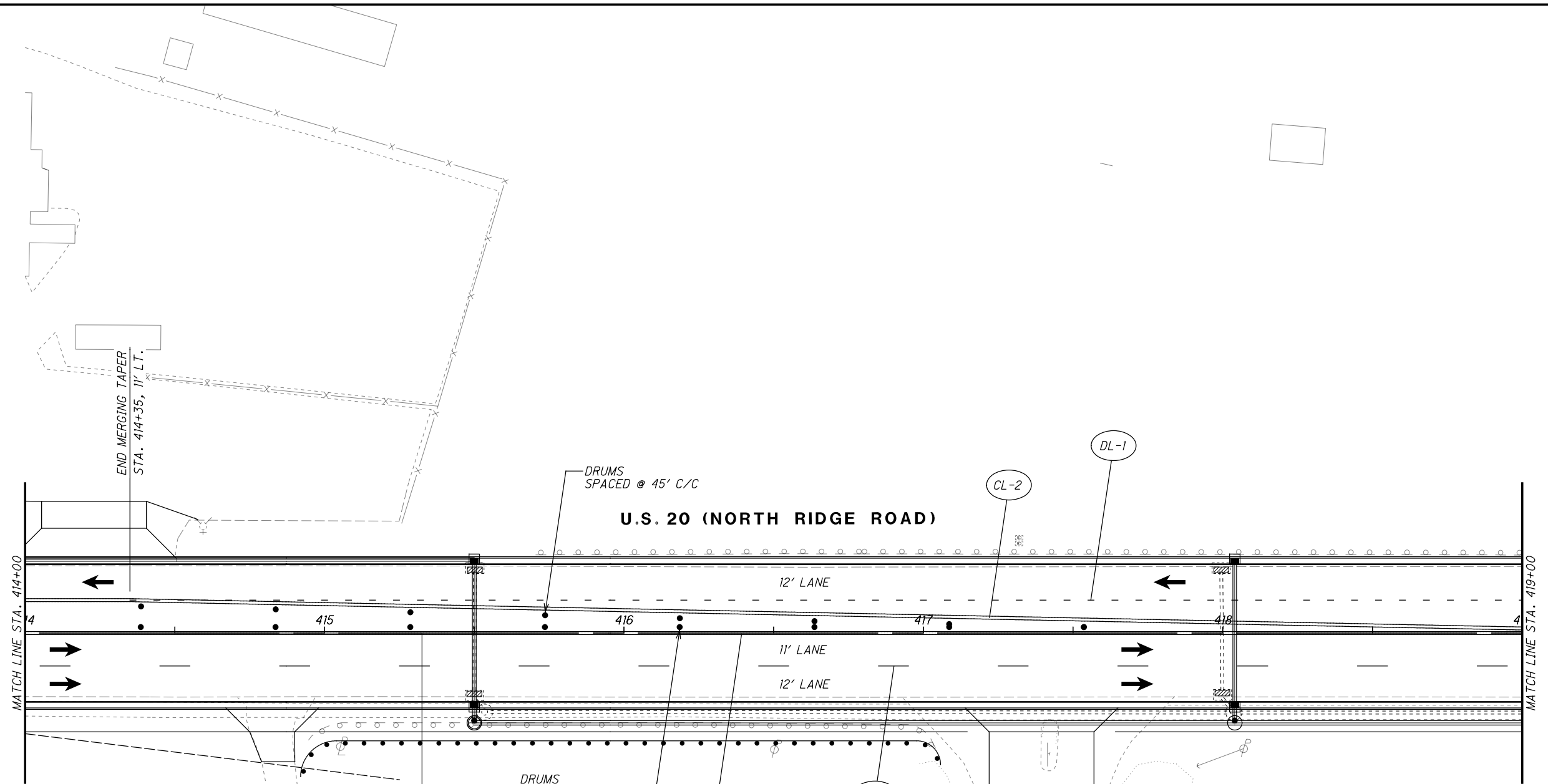
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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CALCULATED JDC  
 CHECKED EJT  
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 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 414+00 TO STA. 419+00**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

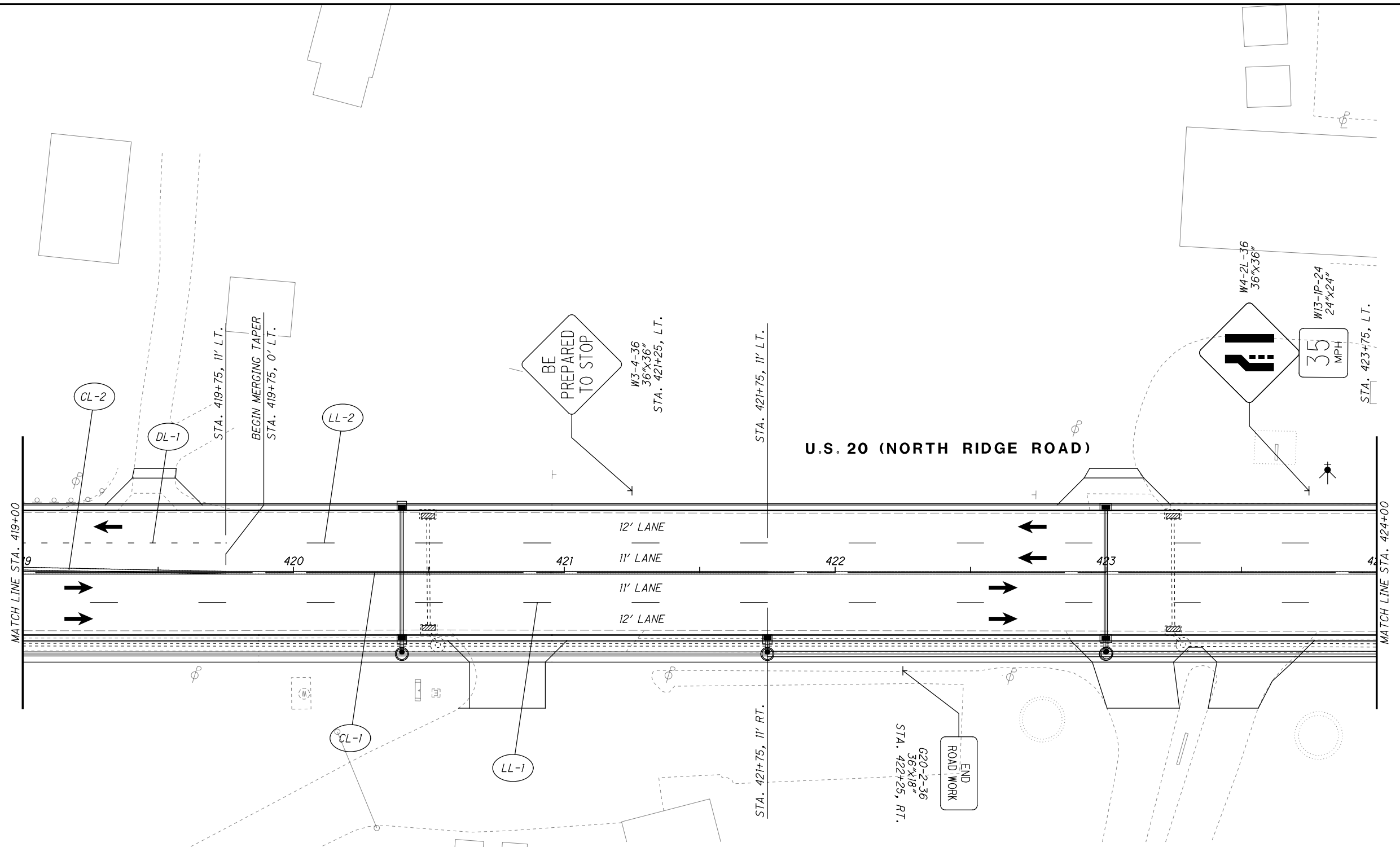
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CALCULATED JDC  
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 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 419+00 TO STA. 424+00**

**LAK-US-20-19.59**  
**PART 1**

133  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW



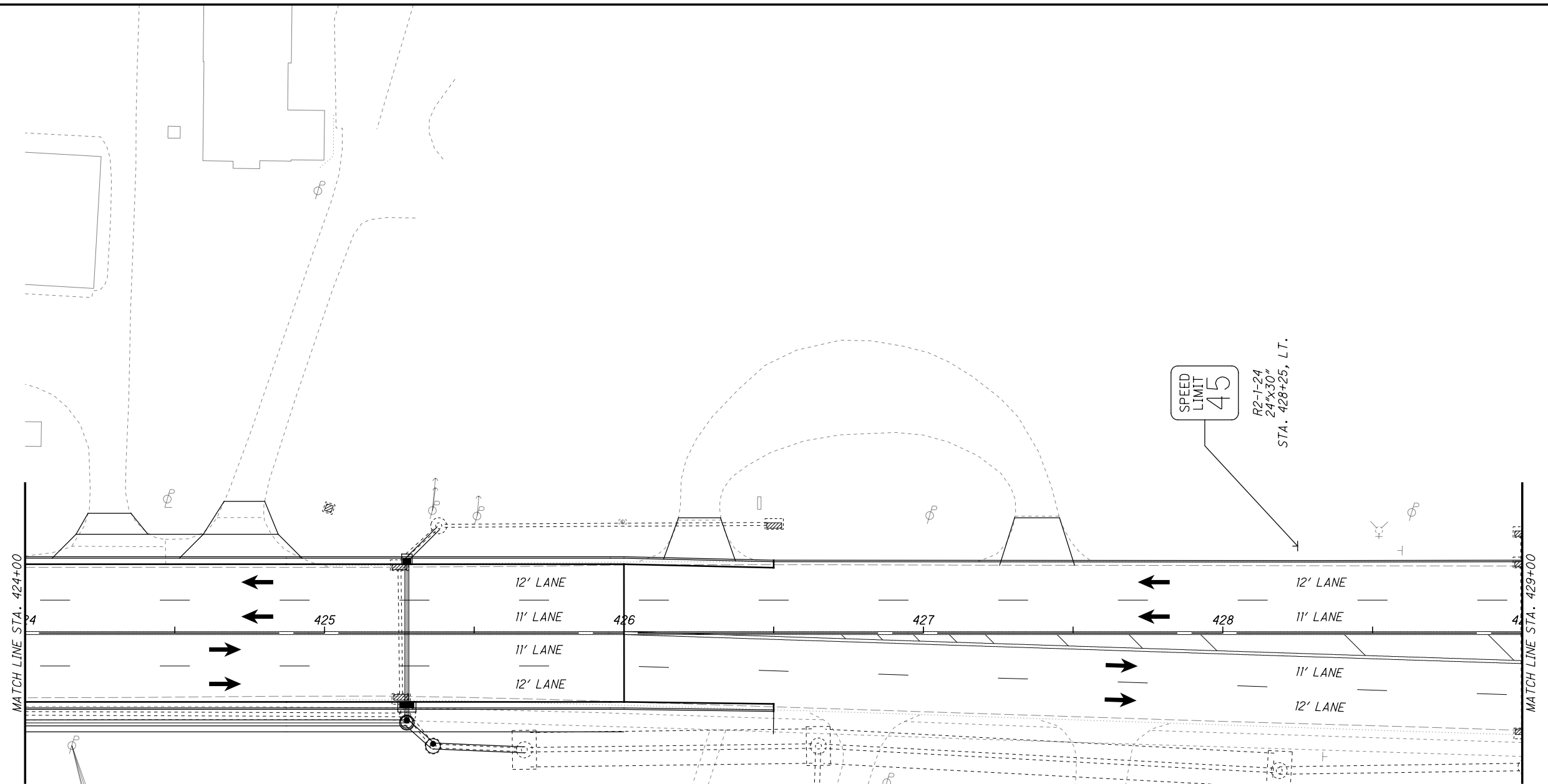
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CALCULATED JDC CHECKED EJT

0 20 40  
10  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 424+00 TO STA. 429+00**

**LAK-US-20-19.59**  
**PART 1**



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

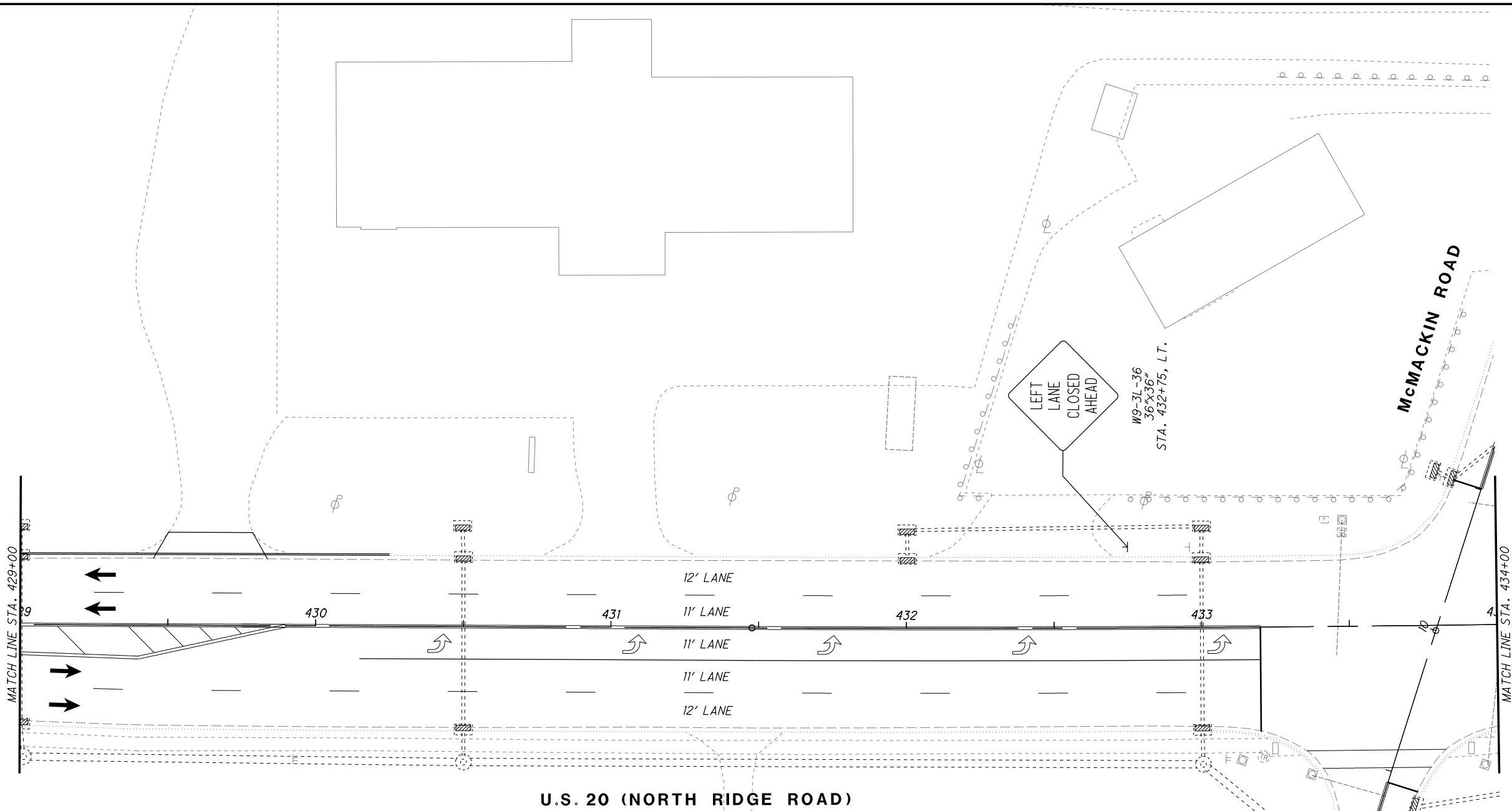
- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




**LEGEND**








- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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

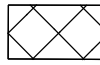
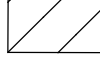



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

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CHECKED EJT

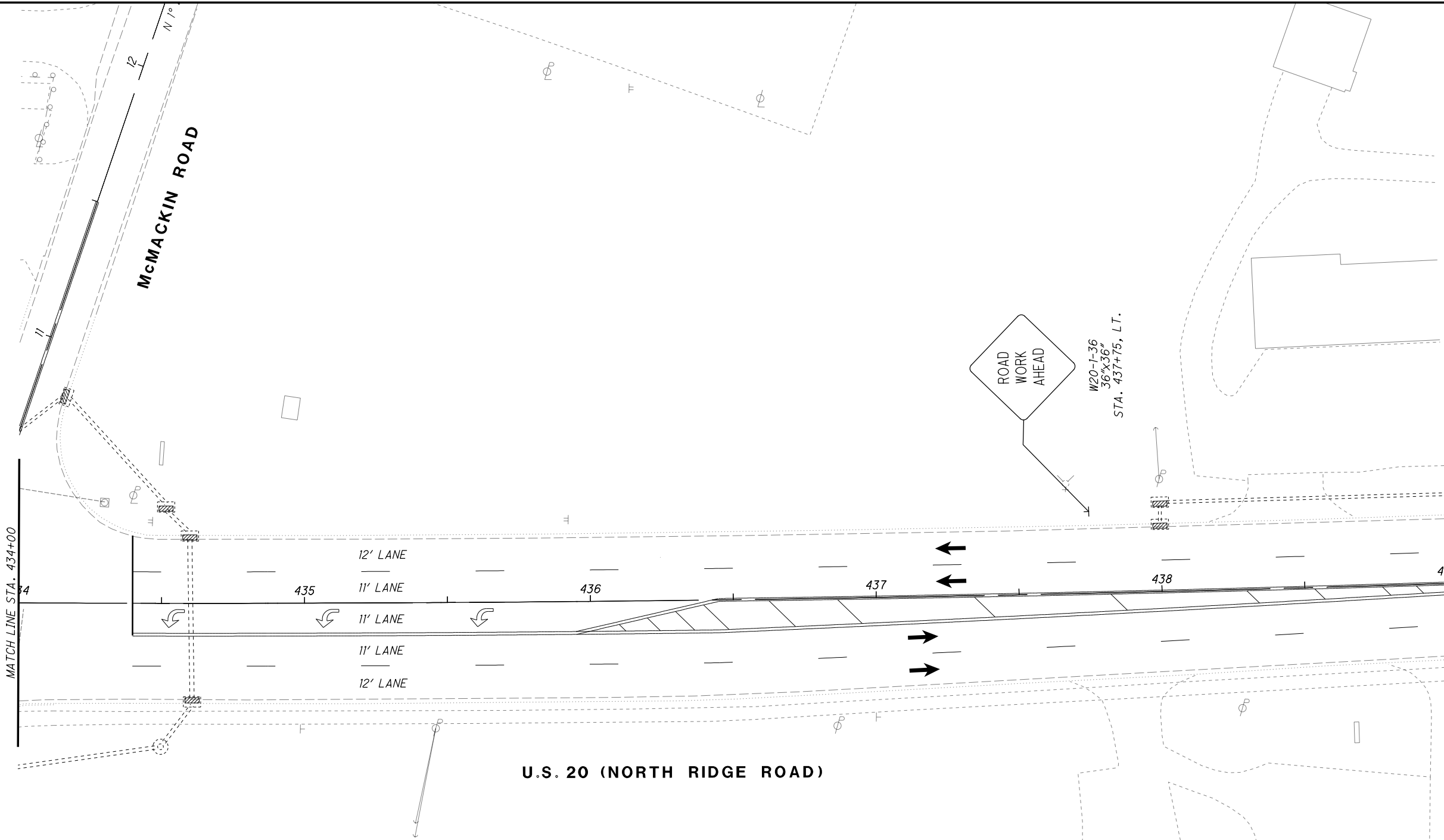


HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**STA. 429+00 TO STA. 434+00**

**LAK-US-20-19.59**  
**PART 1**















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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



CALCULATED  
JDC  
CHECKED  
EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1  
STA. 434+00 TO STA. 439+00**

**LAK-US-20-19.59  
PART 1**

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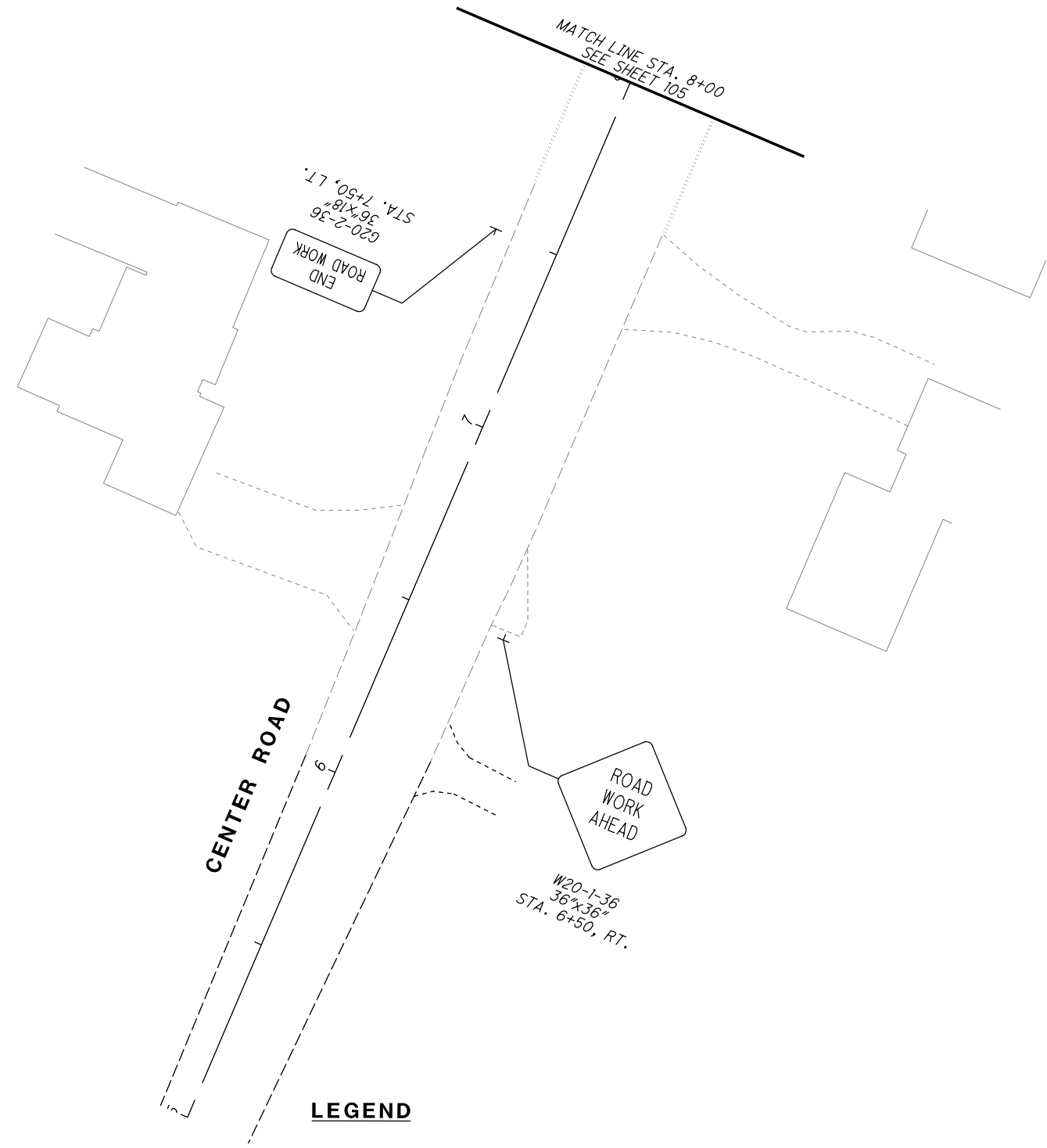
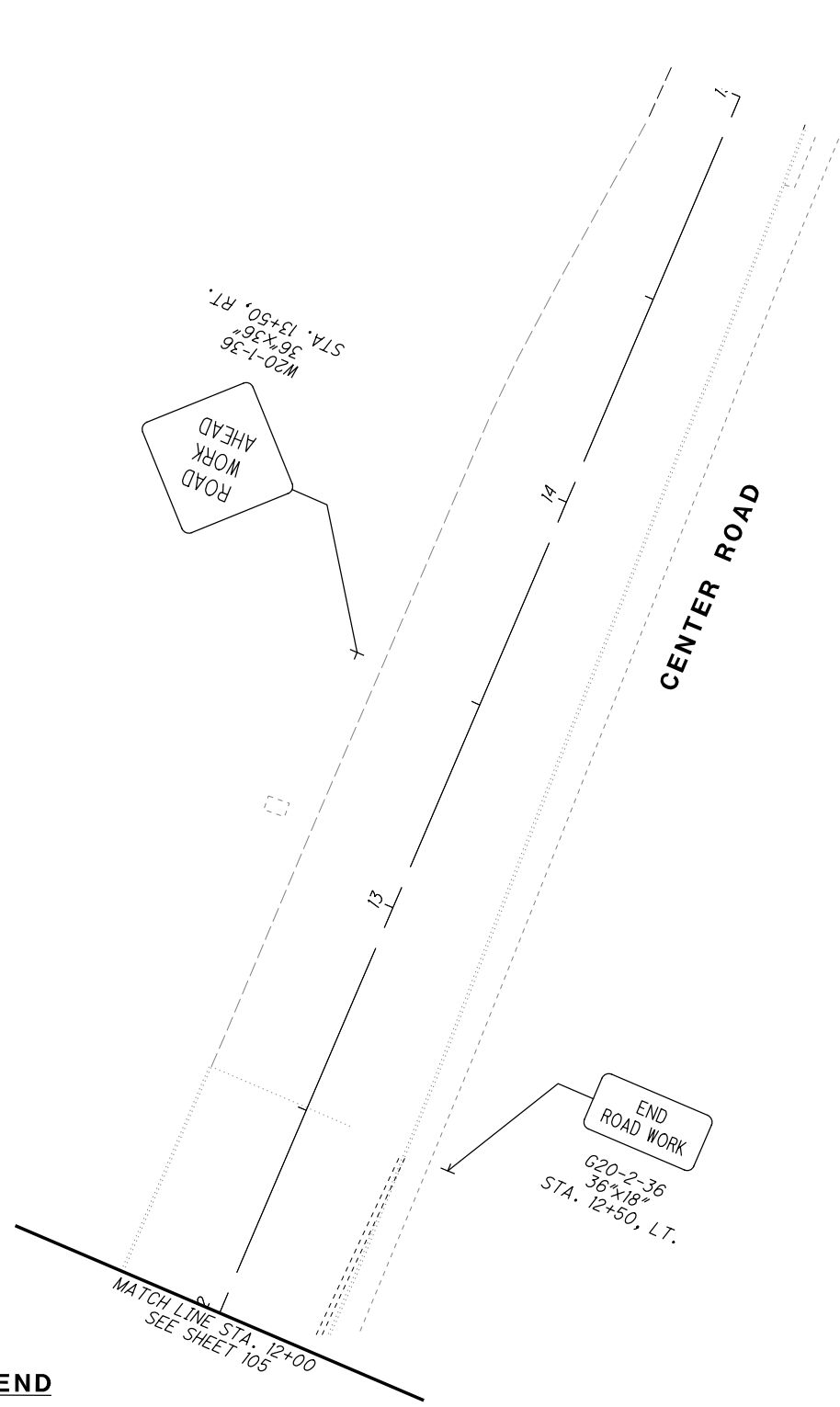


CALCULATED JDC  
CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**CENTER ROAD**












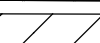


**LAK-US-20-19.59**  
**PART 1**

137  
1253

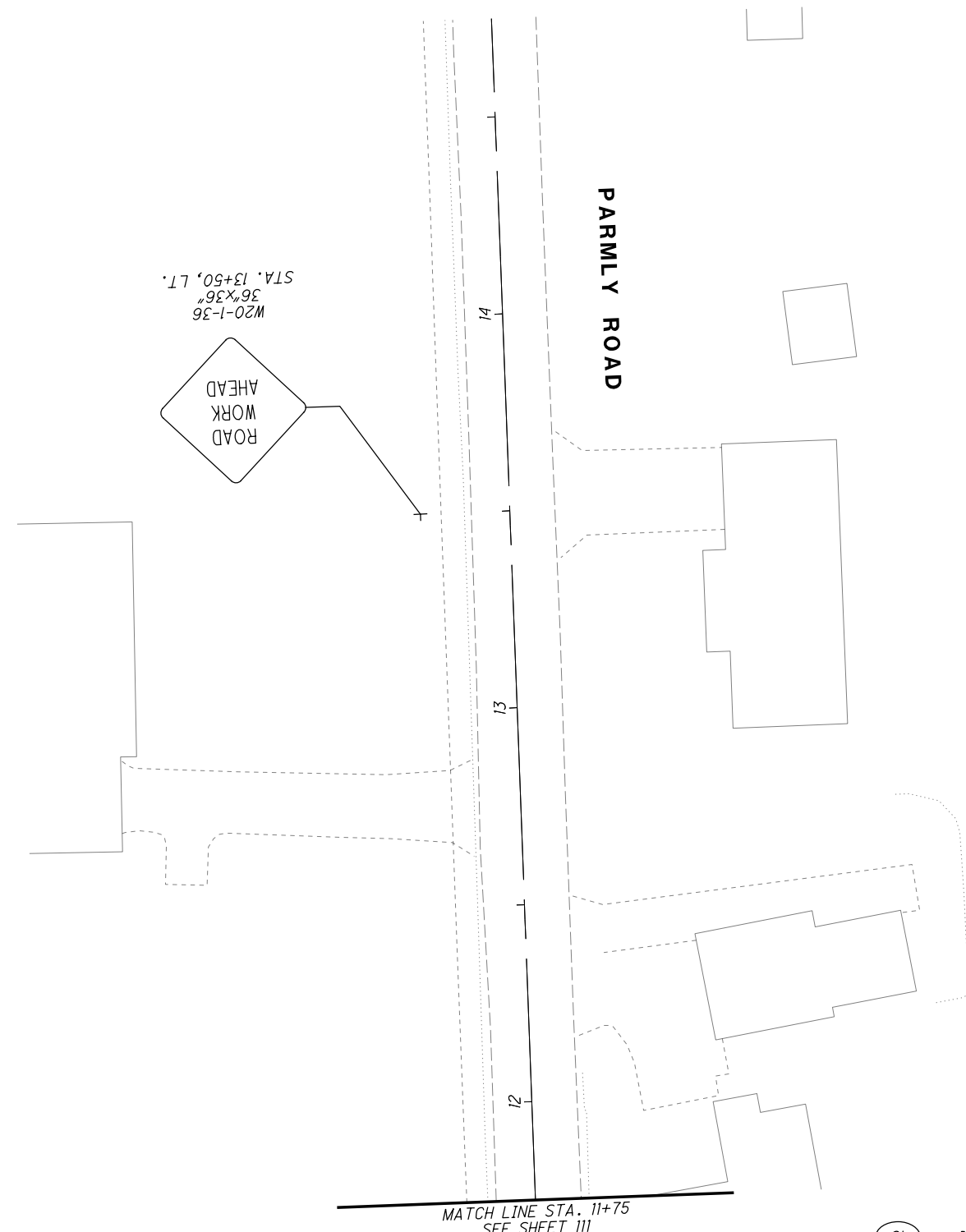


**LEGEND**




-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**LEGEND**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

CALCULATED JDC CHECKED EJT

















HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**PARMLLY ROAD**




**LAK-US-20-19.59**  
**PART 1**

**LEGEND**















- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

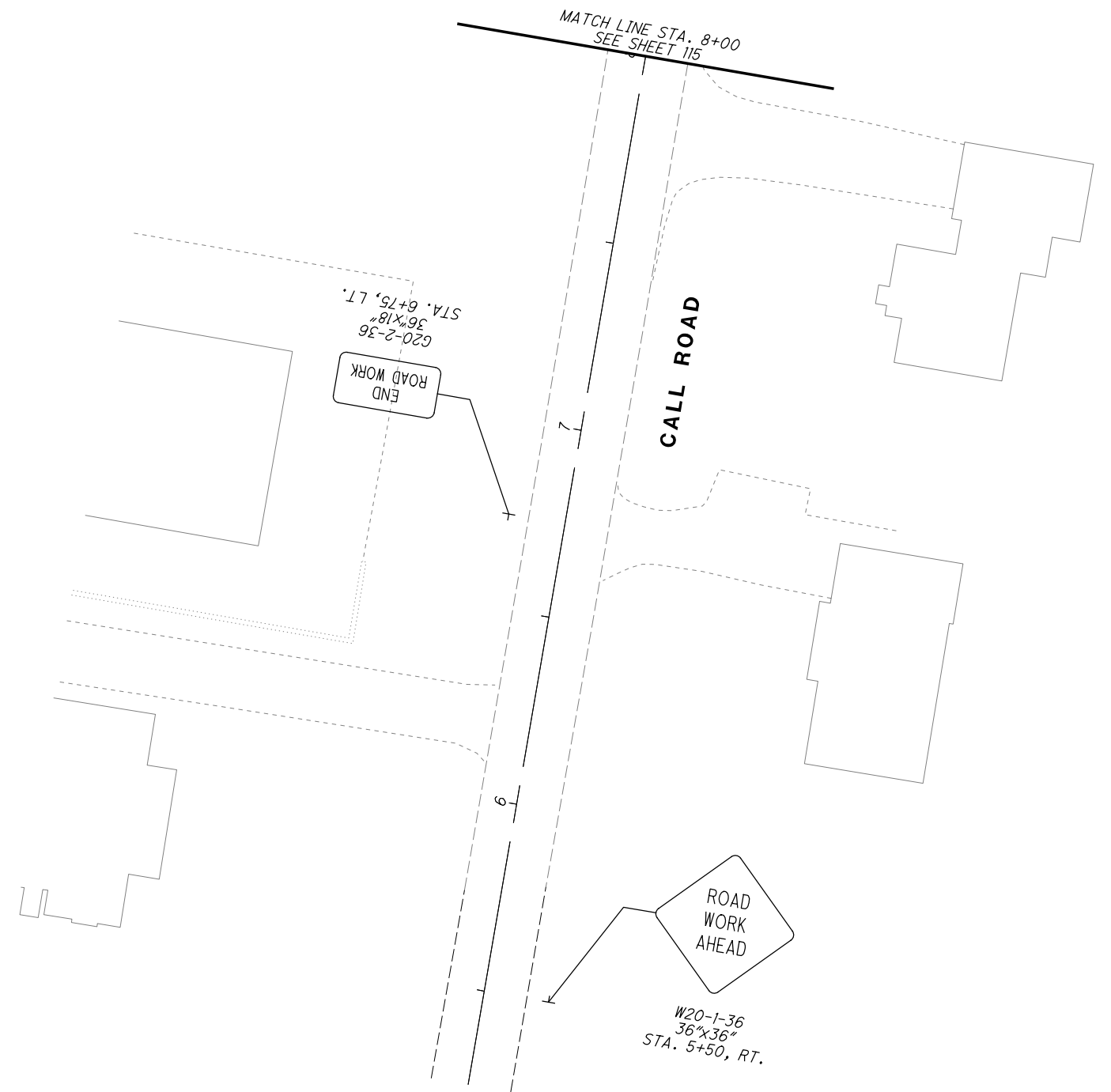
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**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

**LEGEND**

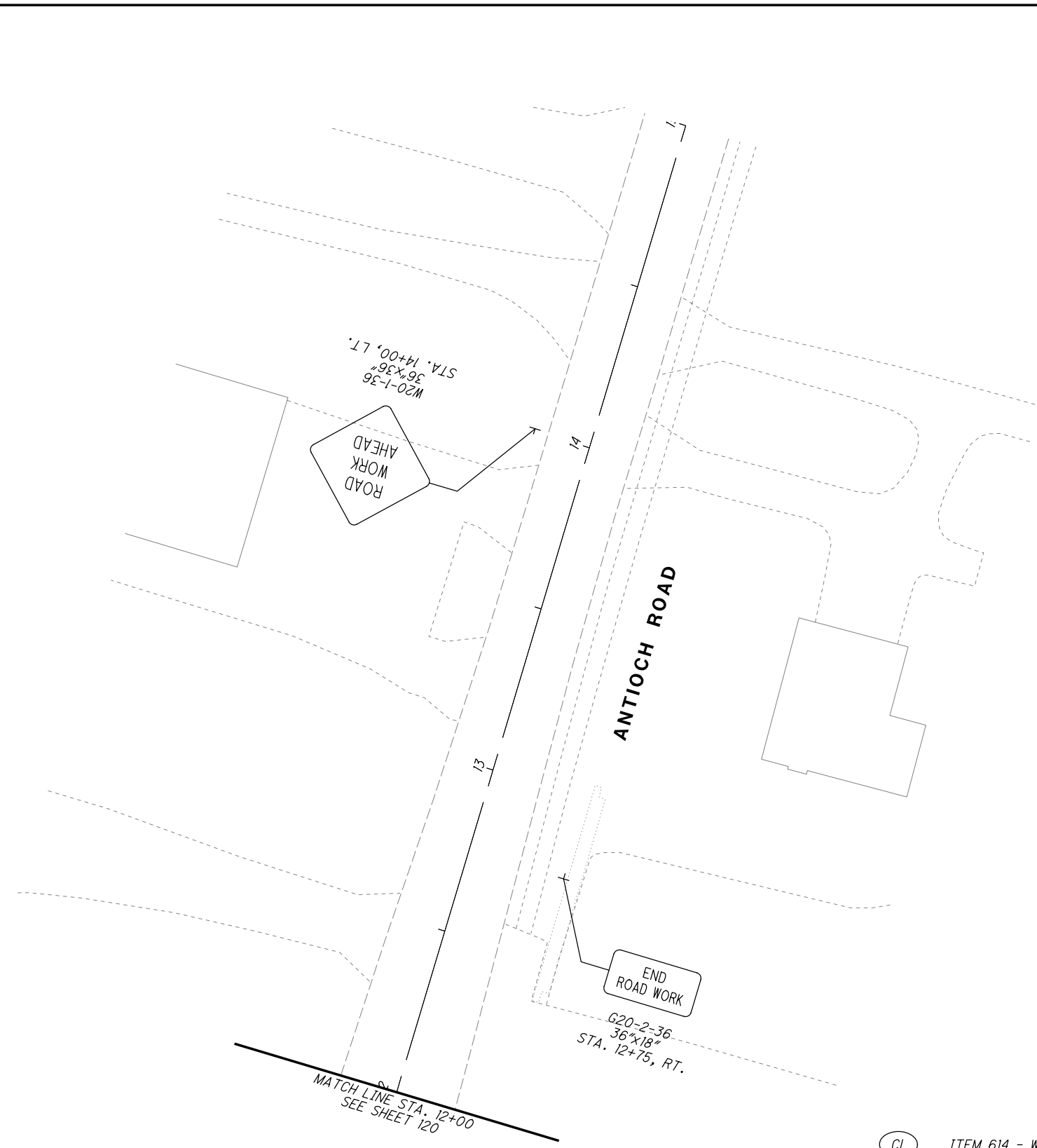
	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT		WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT		PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT		PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT		TRAFFIC FLOW






  
  
 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**CALL ROAD**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

CALCULATED JDC CHECKED EJT


















HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**ANTIOCH ROAD**

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

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CALCULATED JDC CHECKED EJT




0 20 40  
10  
HORIZONTAL SCALE IN FEET













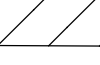

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**TOWNLINE ROAD**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW



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CALCULATED JDC  
 CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 1**  
**CALL ROAD**

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

**LEGEND**

- |              |   |
|--------------|---|
| (Solid Box)  | MAINTENANCE OF TRAFFIC SIGN                             |
| (Dashed Box) | MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| (Dotted Box) | EXISTING TRAFFIC SIGN                                   |

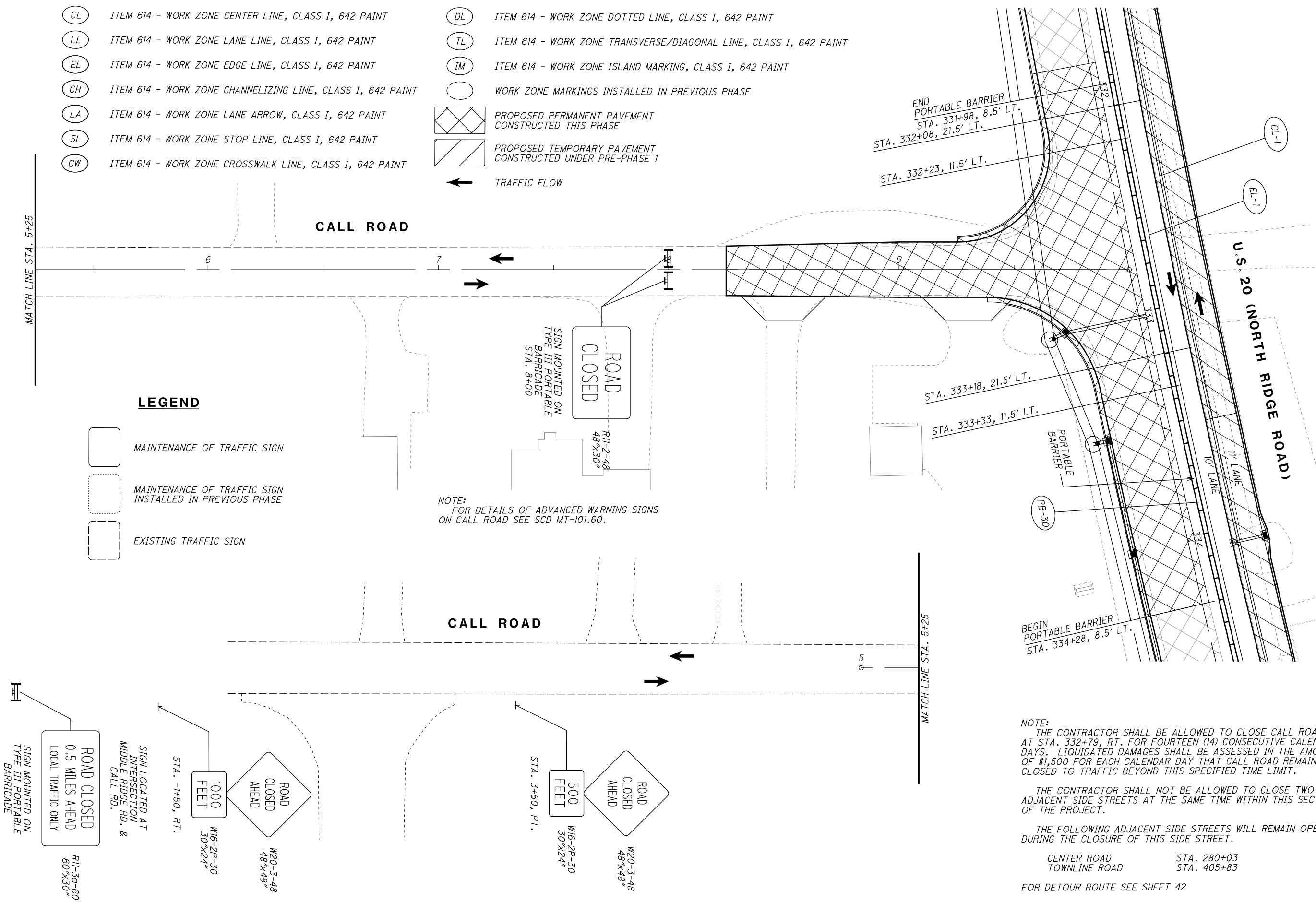
NOTE:  
 FOR DETAILS OF ADVANCED WARNING SIGNS  
 ON CALL ROAD SEE SCD MT-101.60.

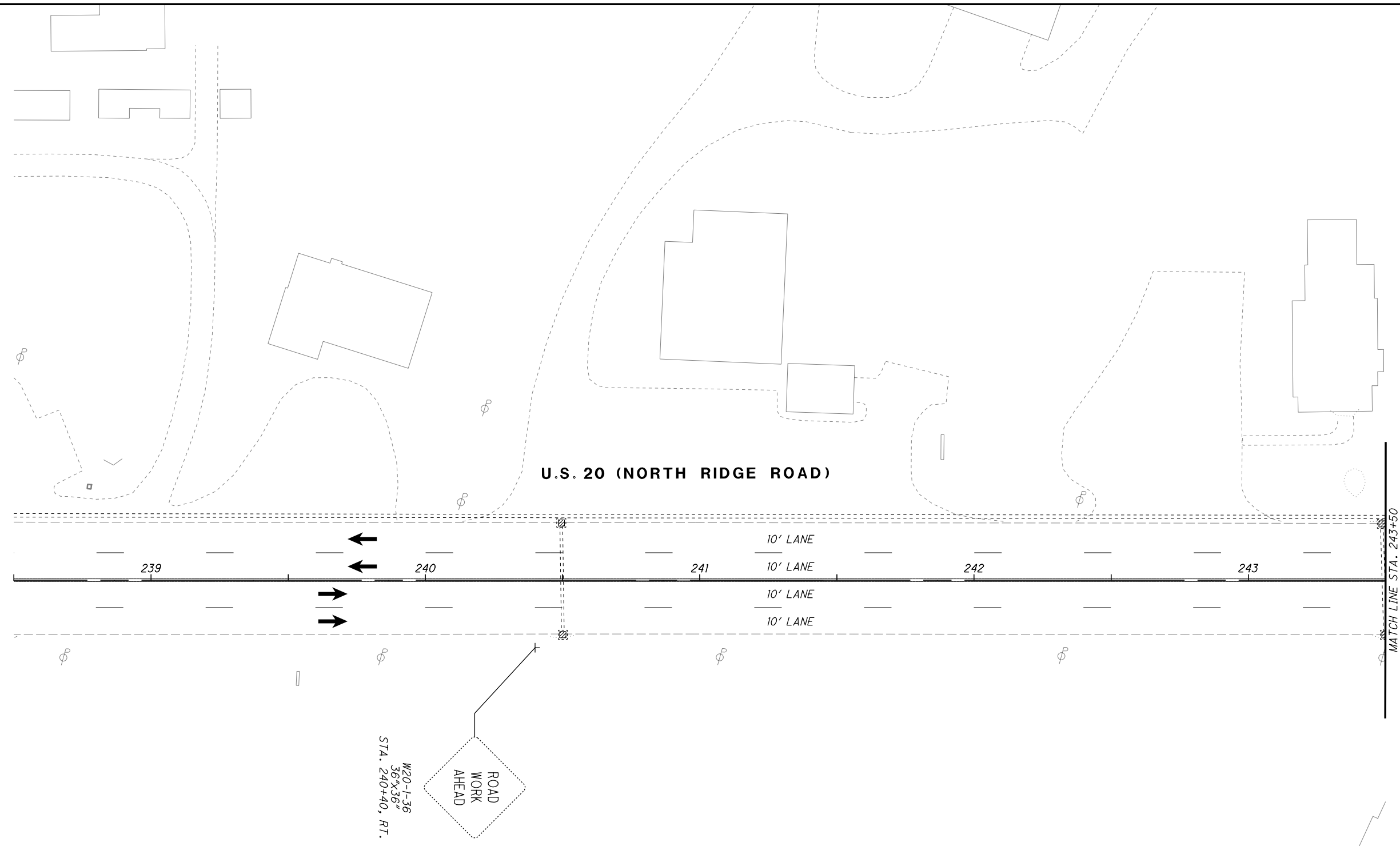
NOTE:  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE CALL ROAD AT STA. 332+79, RT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT CALL ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

CENTER ROAD	STA. 280+03
TOWNLINE ROAD	STA. 405+83

FOR DETOUR ROUTE SEE SHEET 42





**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

W20-I-36  
36"x36"  
STA. 240+40, RT.  
ROAD  
WORK  
AHEAD

MATCH LINE STA. 243+50

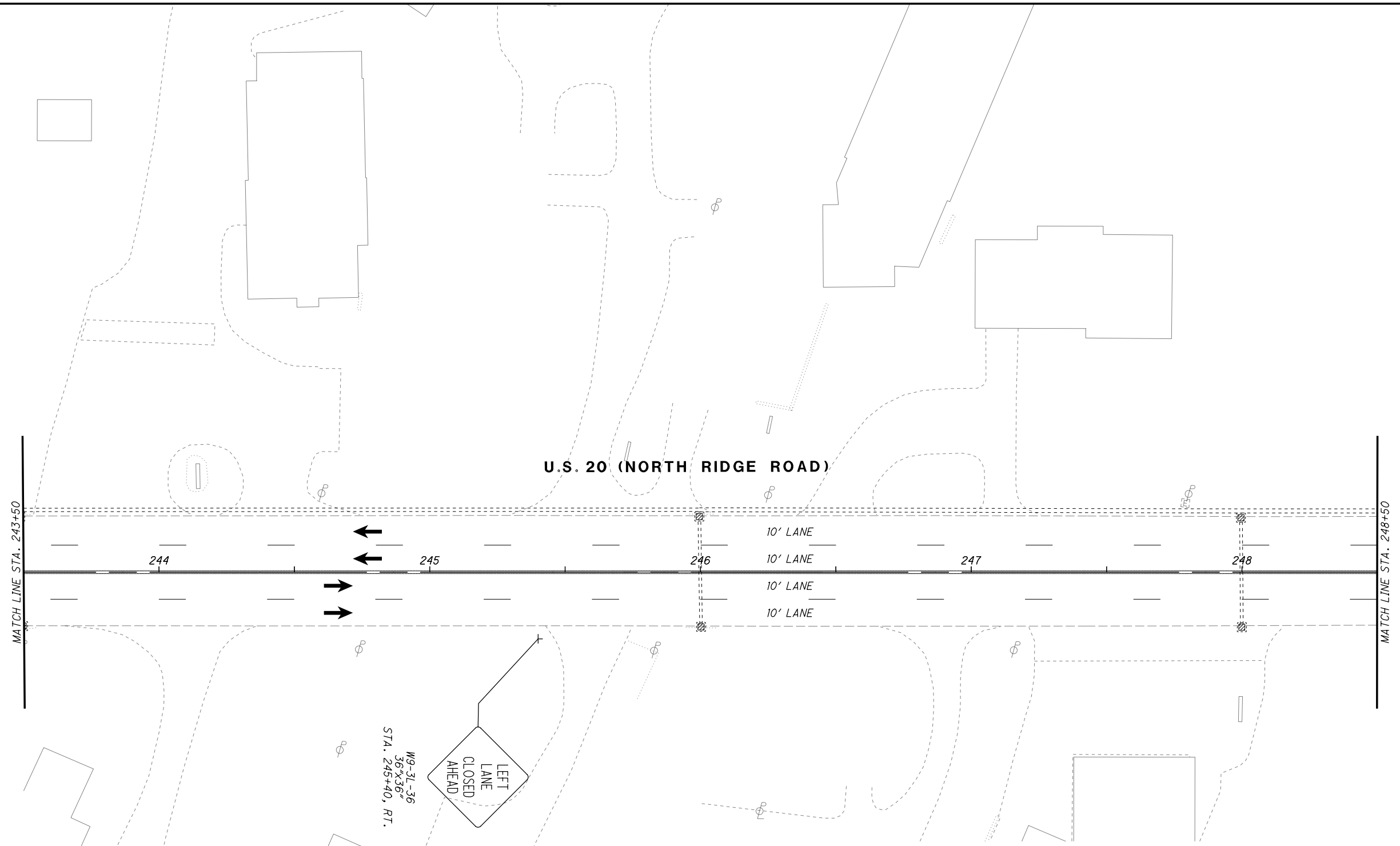
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CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 243+50 TO STA. 248+50**

**LAK-US-20-19.59**  
**PART 1**



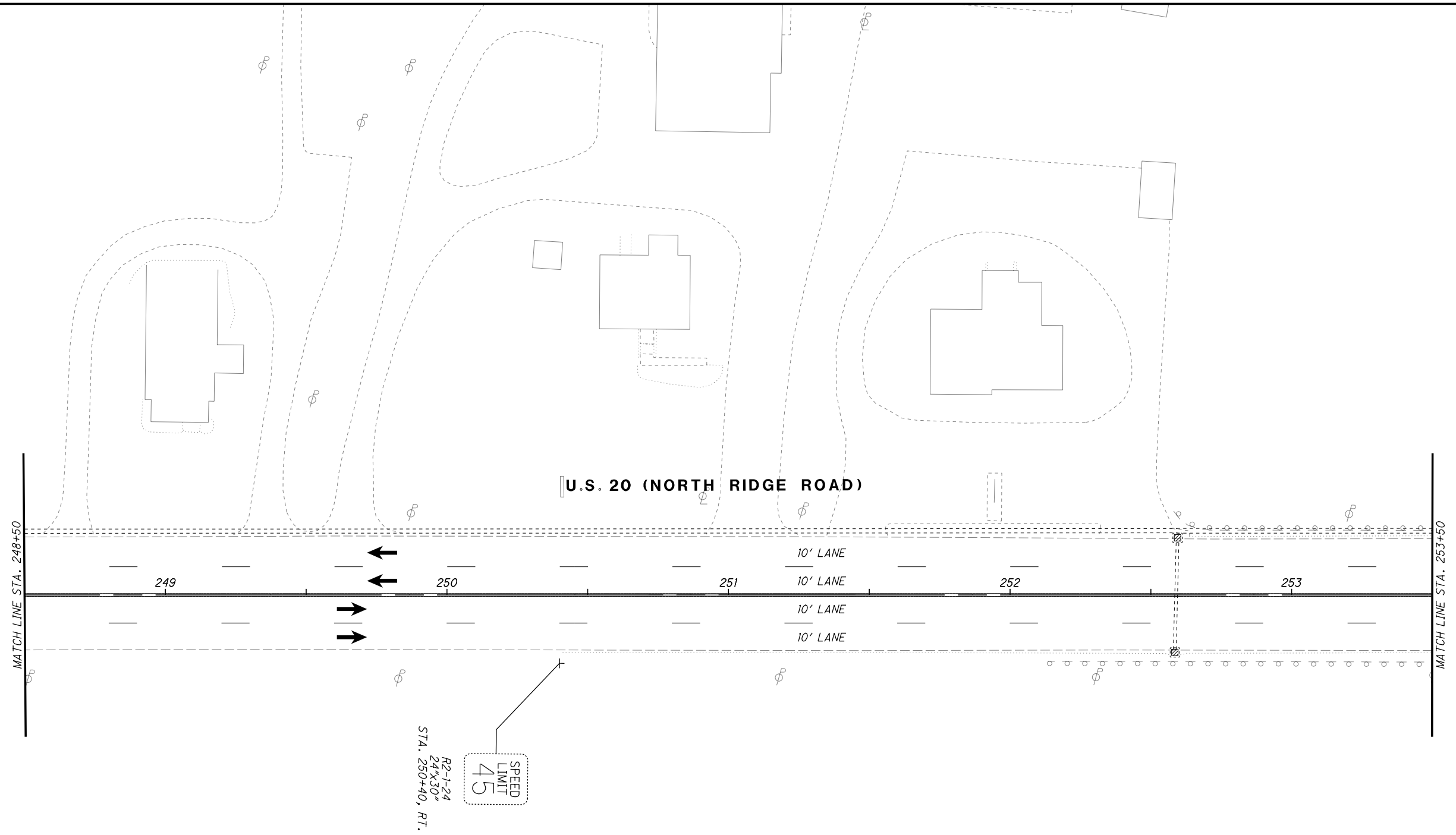
**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

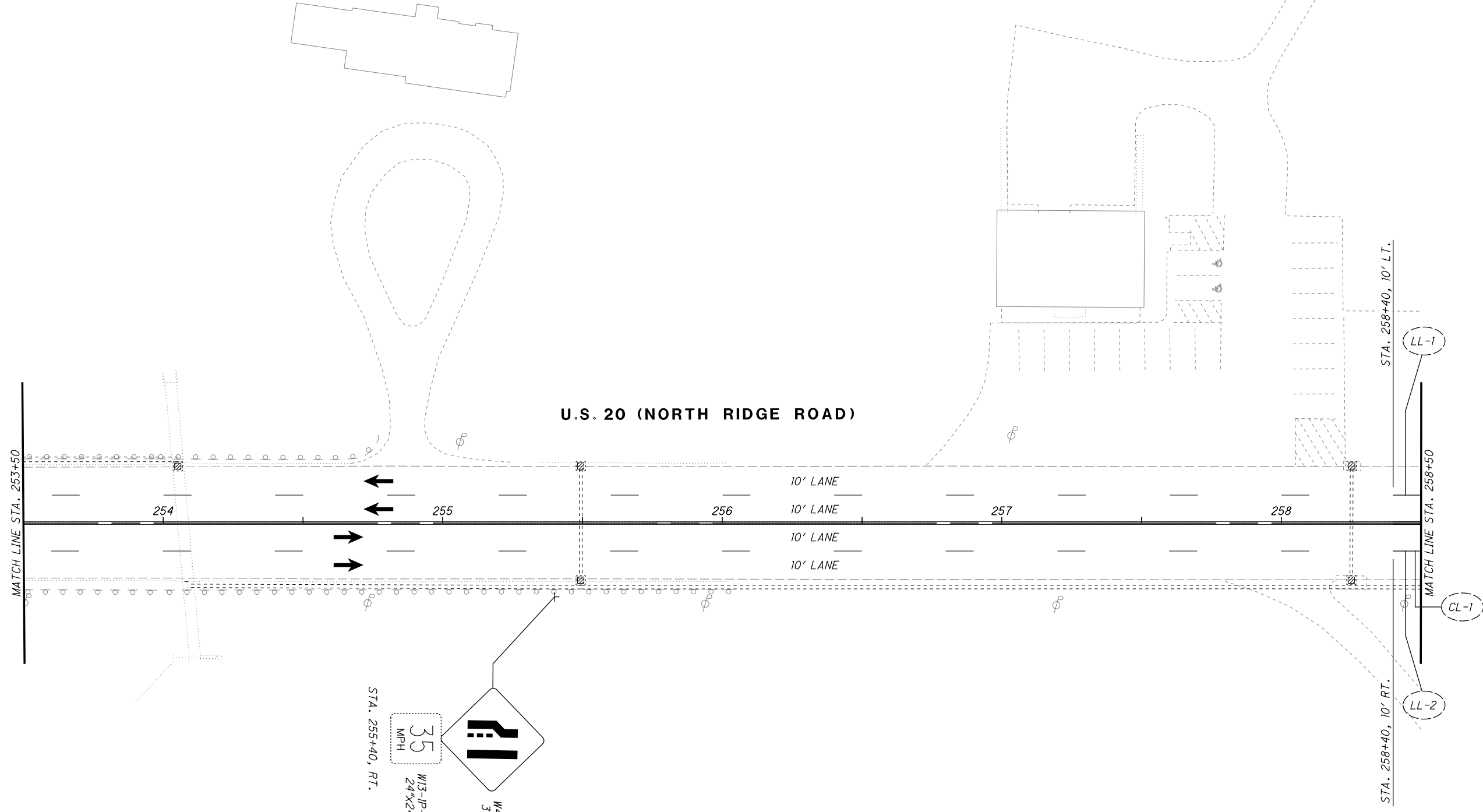


**LEGEND**




- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN








**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW





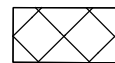
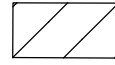



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

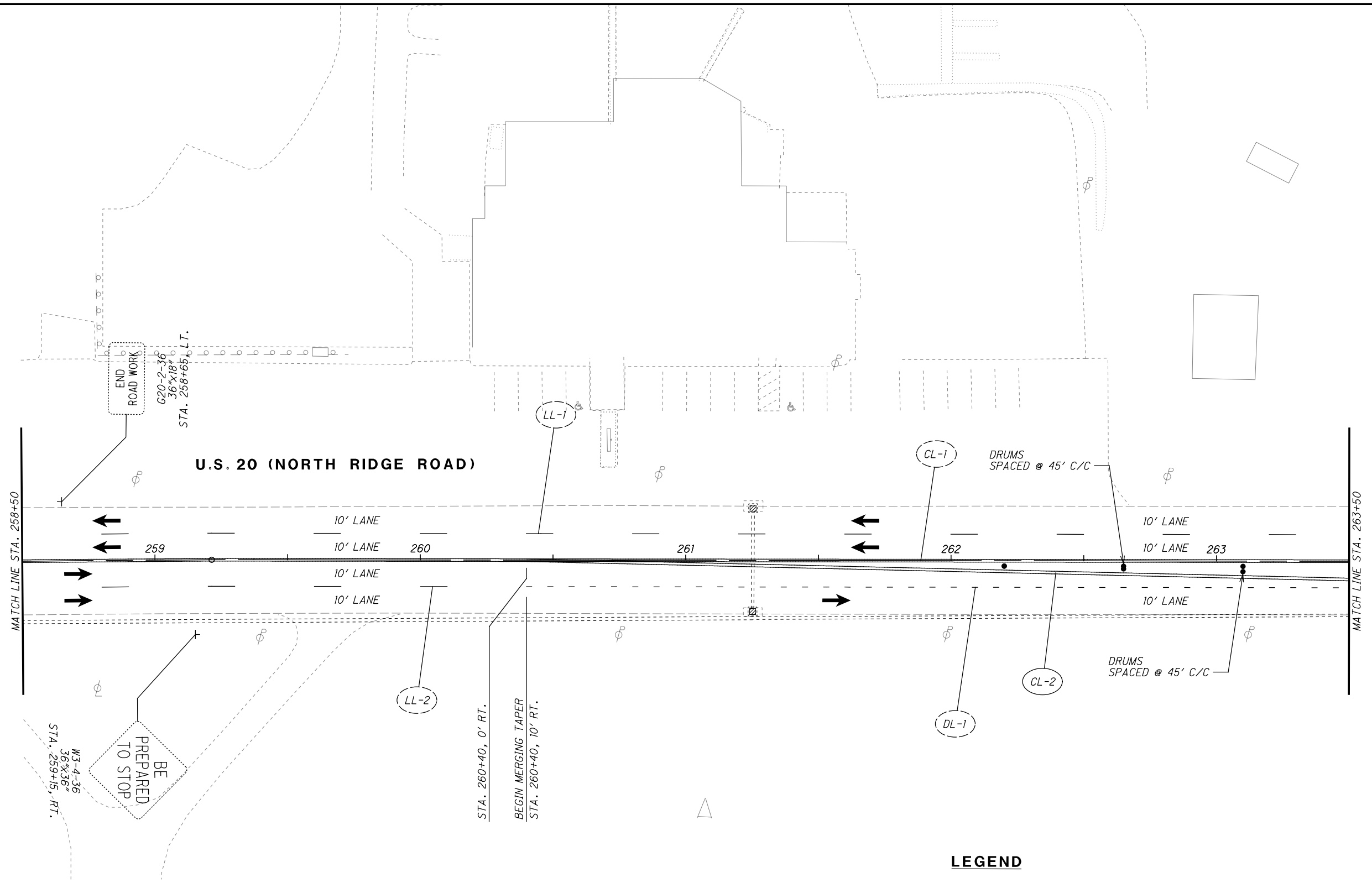
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CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 258+50 TO STA. 263+50**












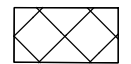
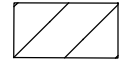

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**




-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
-  TRAFFIC FLOW

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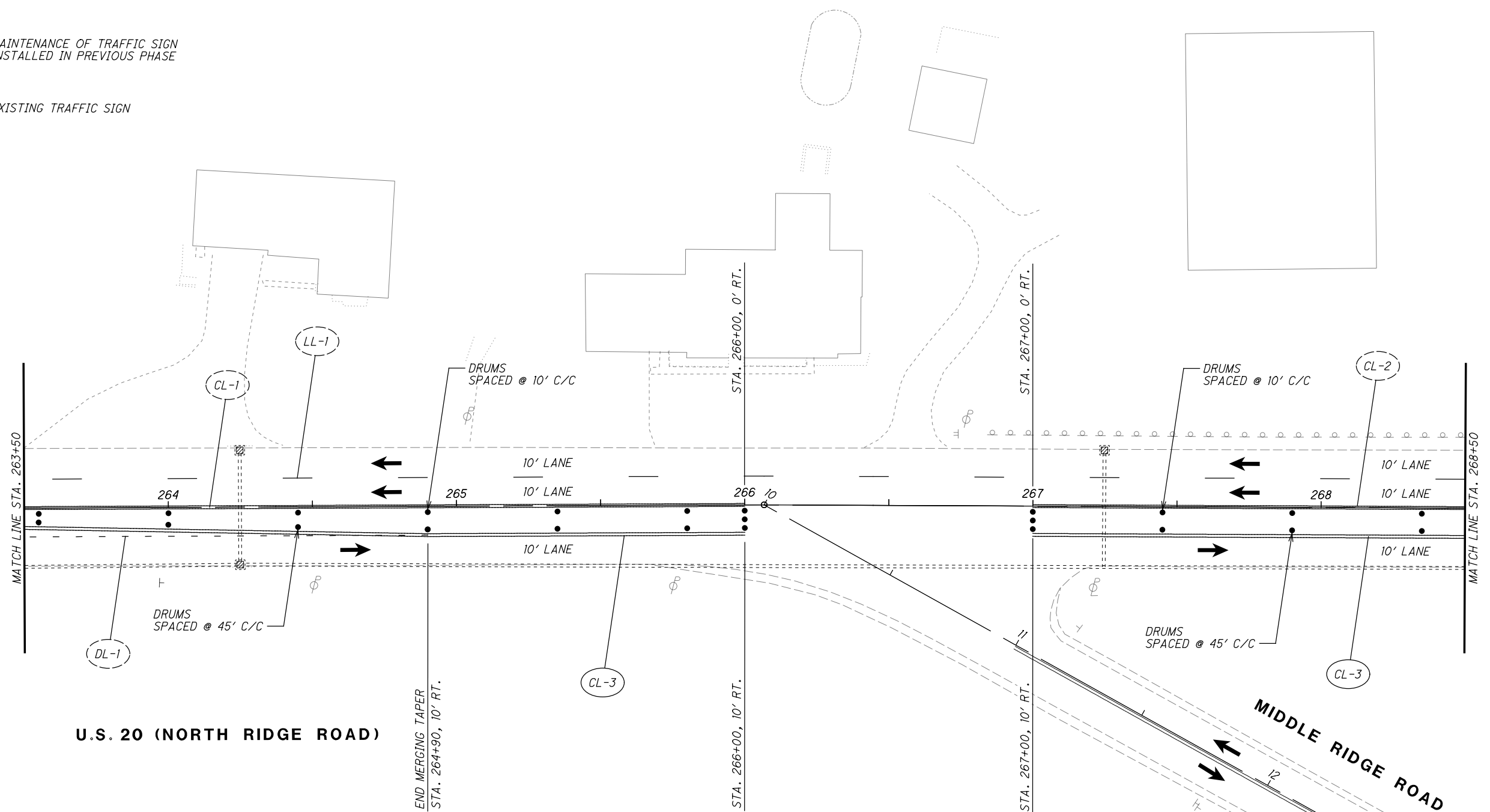
**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

CALCULATED JDC  
CHECKED EJT














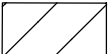



HORIZONTAL SCALE IN FEET



**U.S. 20 (NORTH RIDGE ROAD)**

**MIDDLE RIDGE ROAD**

**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 263+50 TO STA. 268+50**

**LAK-US-20-19.59**  
**PART 1**

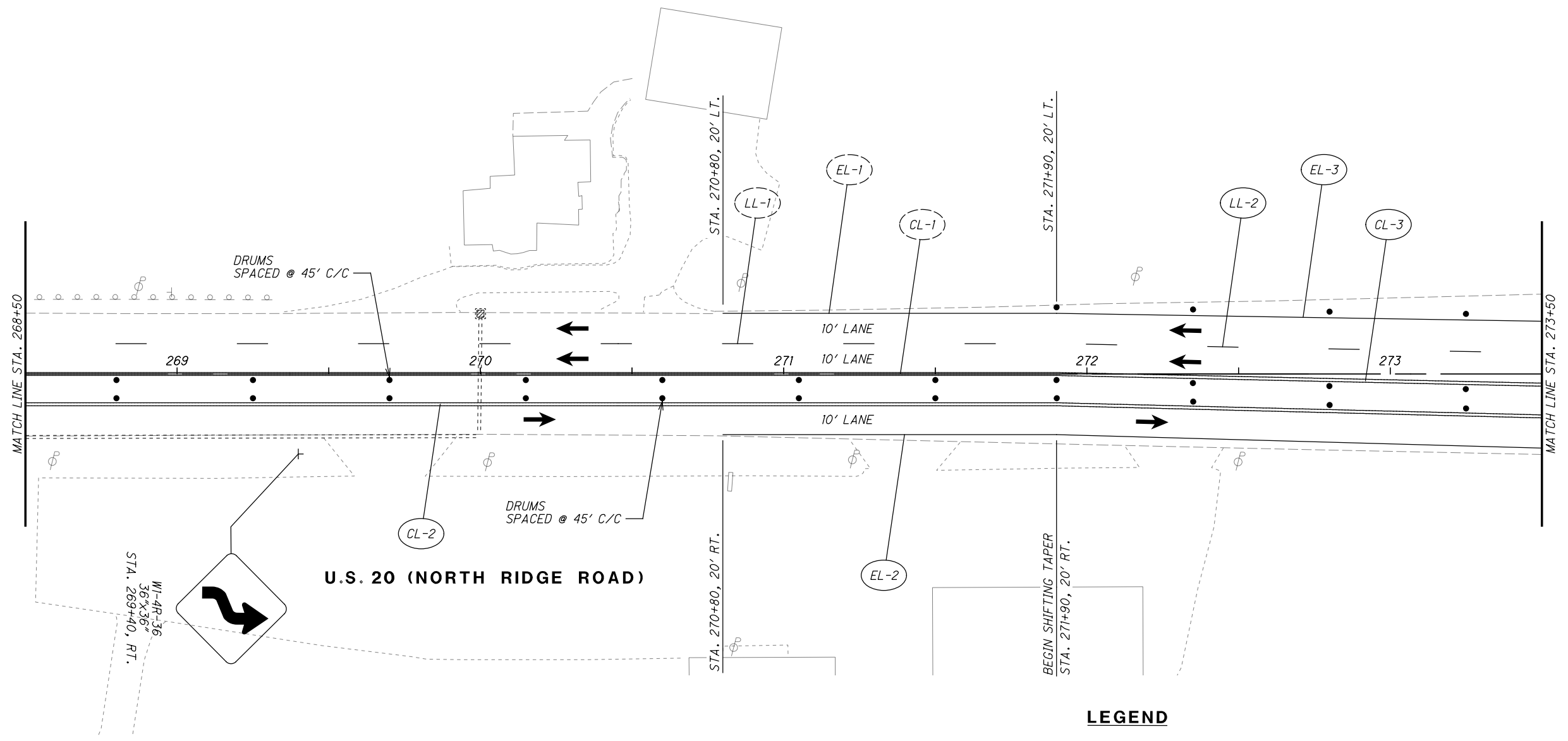
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CALCULATED JDC CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 268+50 TO STA. 273+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW



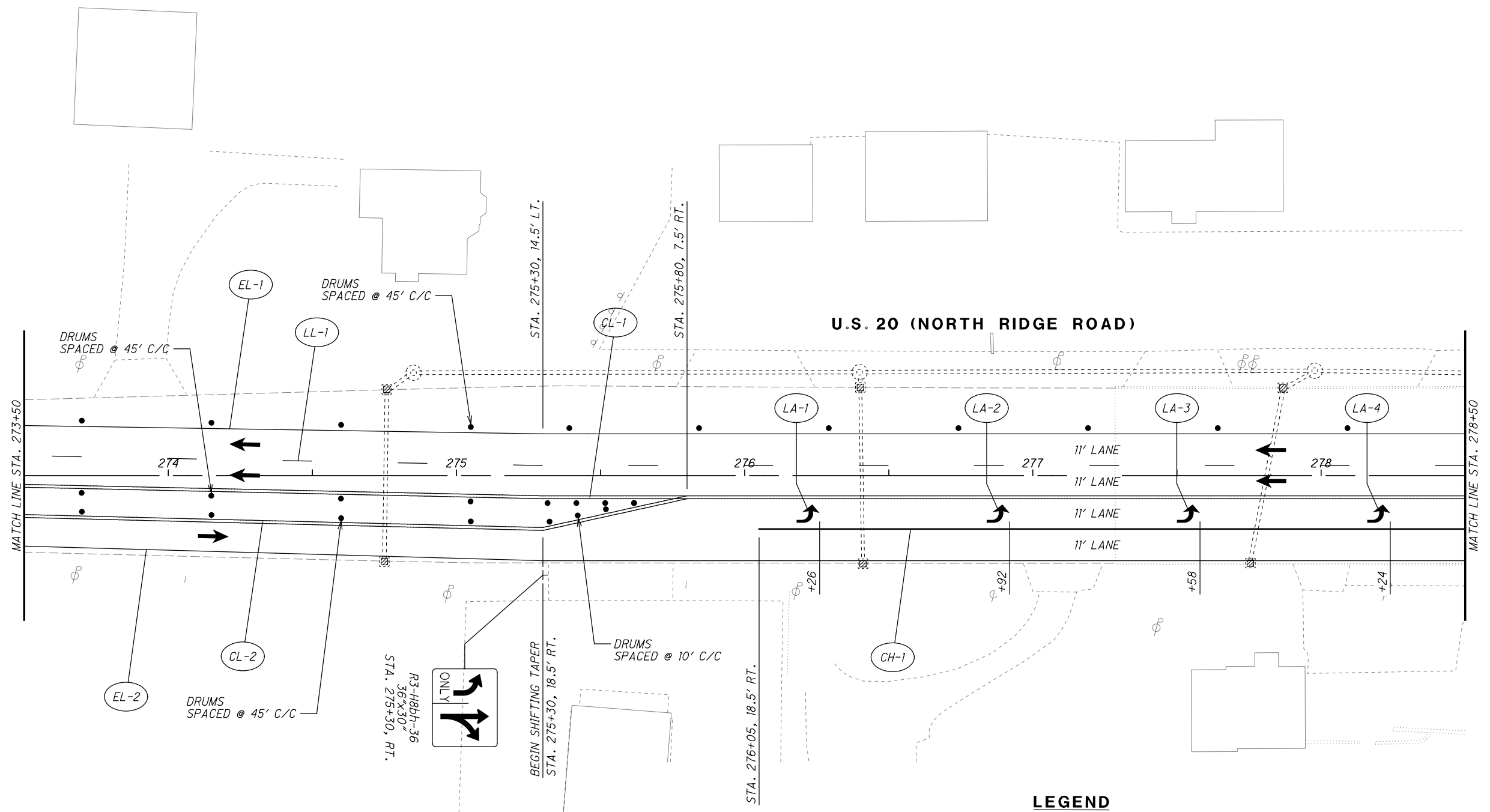
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CALCULATED JDC  
 CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 273+50 TO STA. 278+50**








**LAK-US-20-19.59**  
**PART 1**

150  
1253






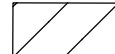



**LEGEND**

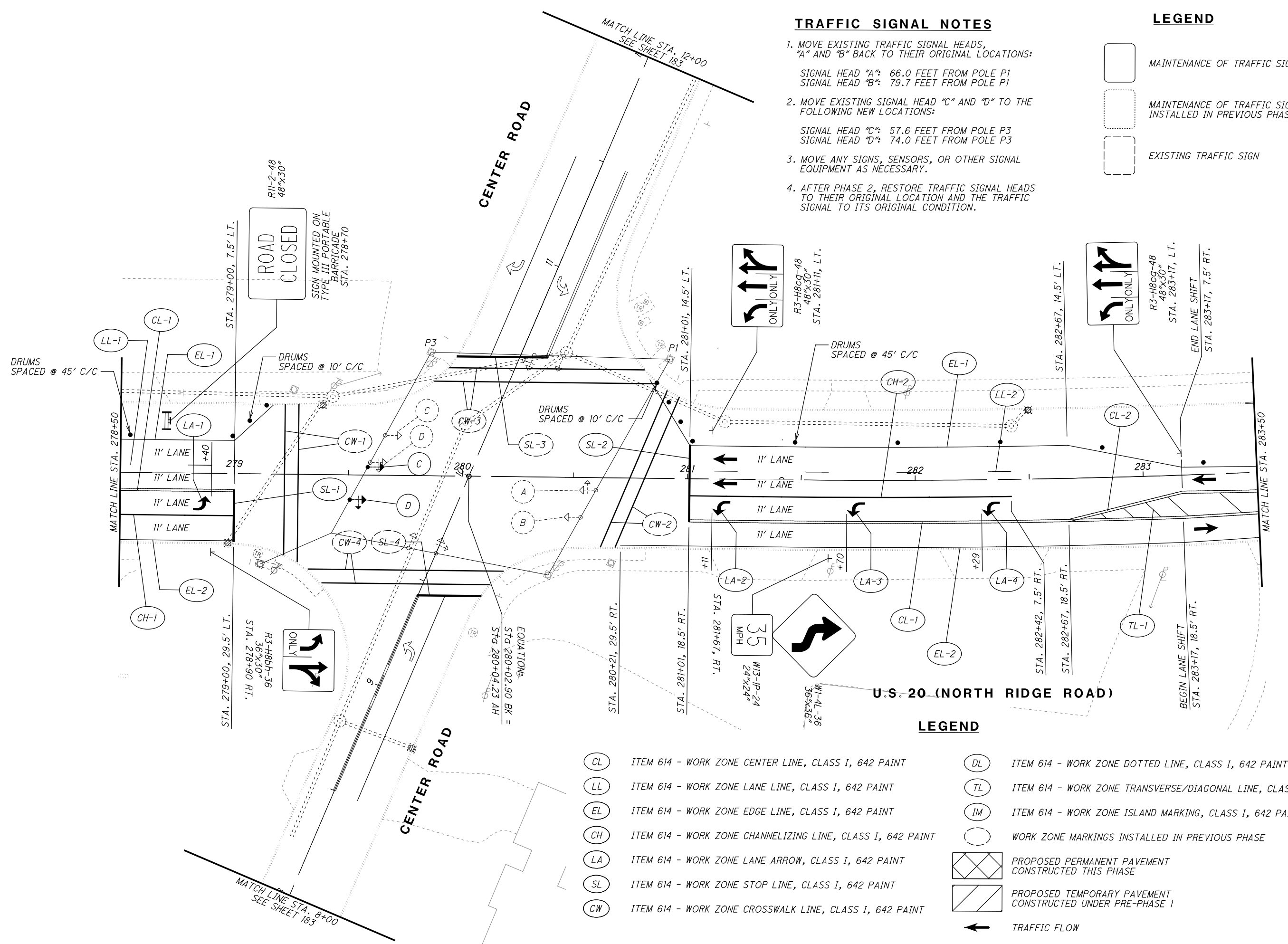
-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

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**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" BACK TO THEIR ORIGINAL LOCATIONS:  
 SIGNAL HEAD "A": 66.0 FEET FROM POLE P1  
 SIGNAL HEAD "B": 79.7 FEET FROM POLE P1
2. MOVE EXISTING SIGNAL HEAD "C" AND "D" TO THE FOLLOWING NEW LOCATIONS:  
 SIGNAL HEAD "C": 57.6 FEET FROM POLE P3  
 SIGNAL HEAD "D": 74.0 FEET FROM POLE P3
3. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.
4. AFTER PHASE 2, RESTORE TRAFFIC SIGNAL HEADS TO THEIR ORIGINAL LOCATION AND THE TRAFFIC SIGNAL TO ITS ORIGINAL CONDITION.

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

0 20 40 HORIZONTAL SCALE IN FEET

CALCULATED JDC  
 CHECKED EJT  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 278+50 TO STA. 283+50**

**LAK-US-20-19.59**  
**PART 1**

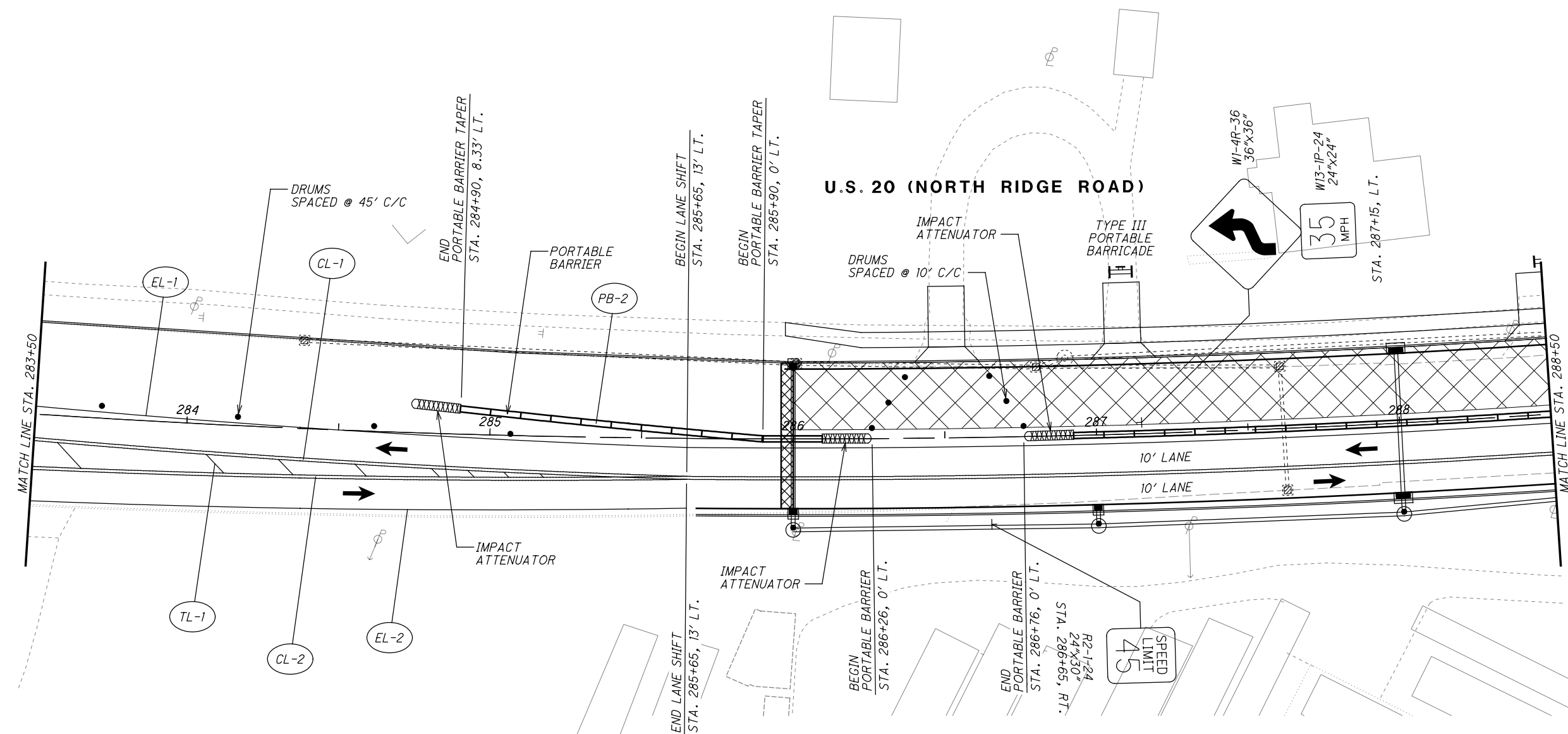
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






**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 283+50 TO STA. 288+50**






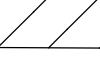

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

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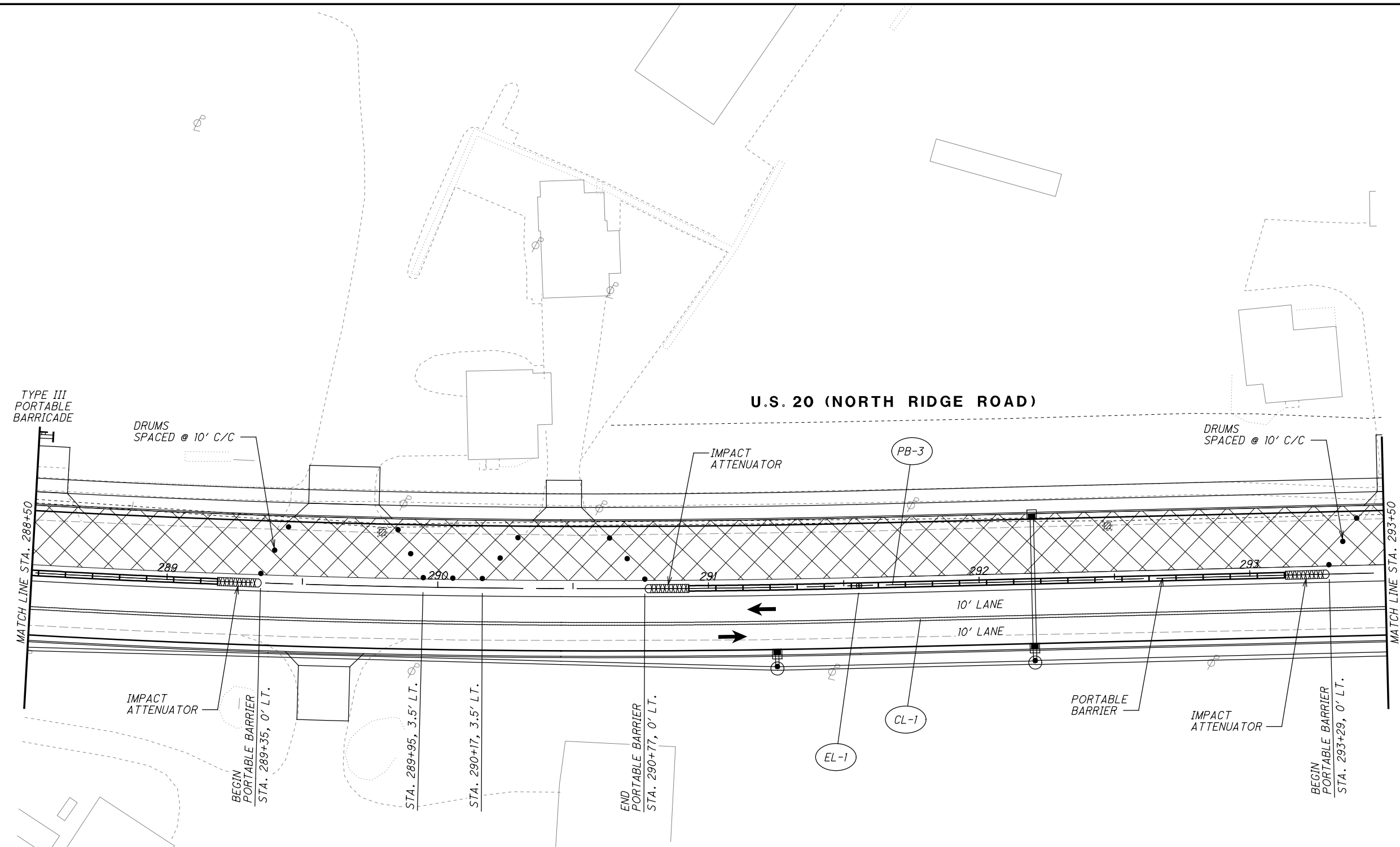
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0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 288+50 TO STA. 293+50**

**LAK-US-20-19.59**  
**PART 1**

153  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

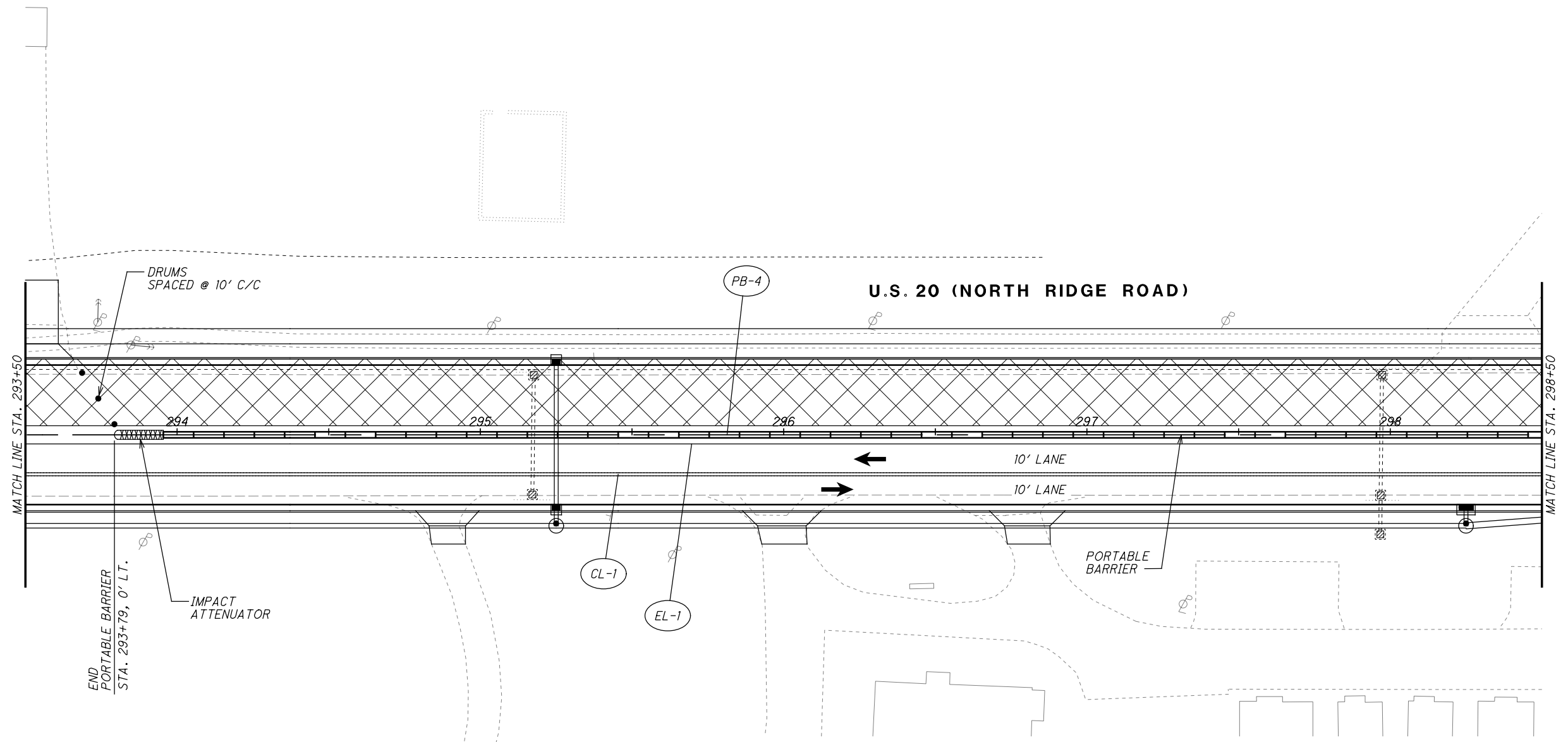
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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CALCULATED JDC  
 CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 293+50 TO STA. 298+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

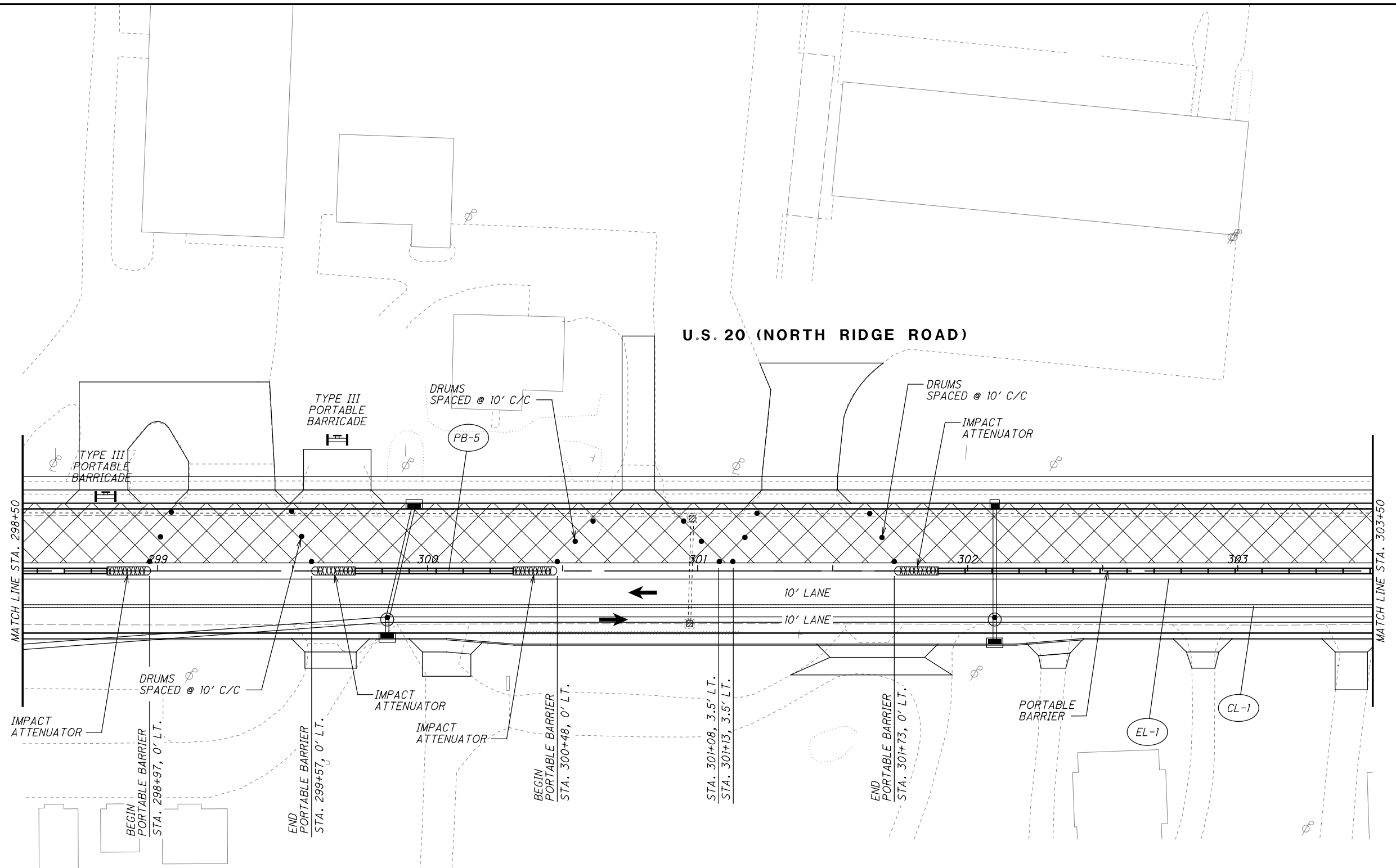
- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




**LEGEND**








- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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

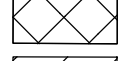
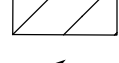



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
-  TRAFFIC FLOW

CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 298+50 TO STA. 303+50**

**LAK-US-20-19.59**  
**PART 1**



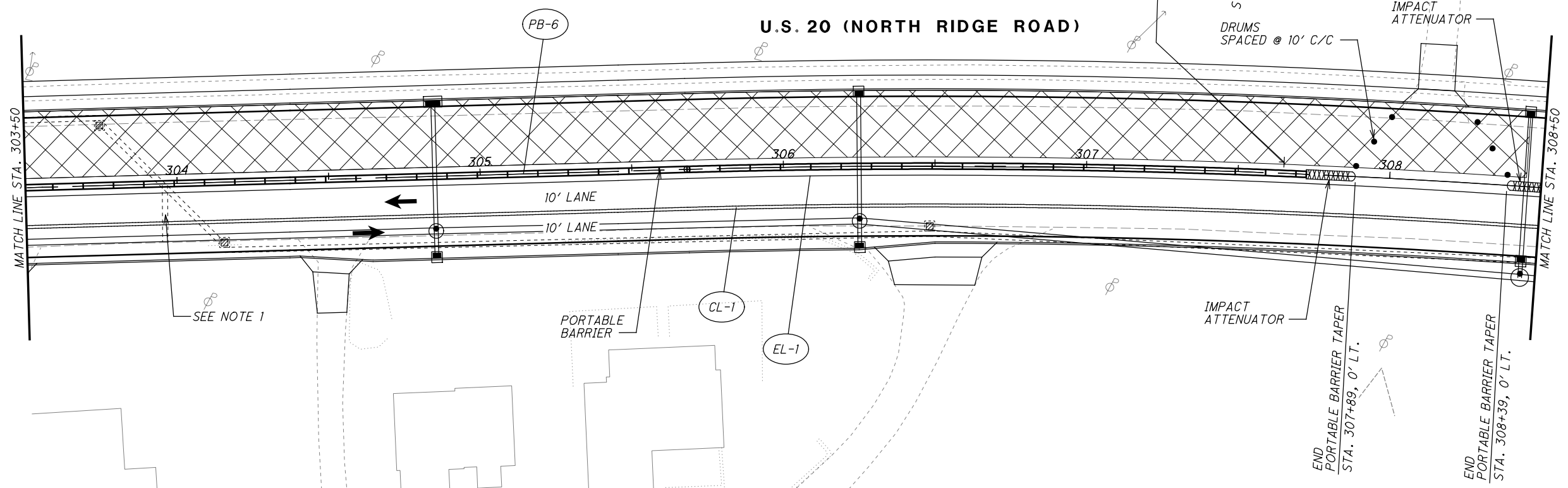
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**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 303+50 TO STA. 308+50**

**LAK-US-20-19.59**  
**PART 1**

**NOTES**

1. TEMP. PIPE PLACED IN PHASE 1 TO BE PLUGGED AT BOTH ENDS AND ABANDONED.



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

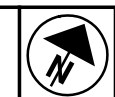
- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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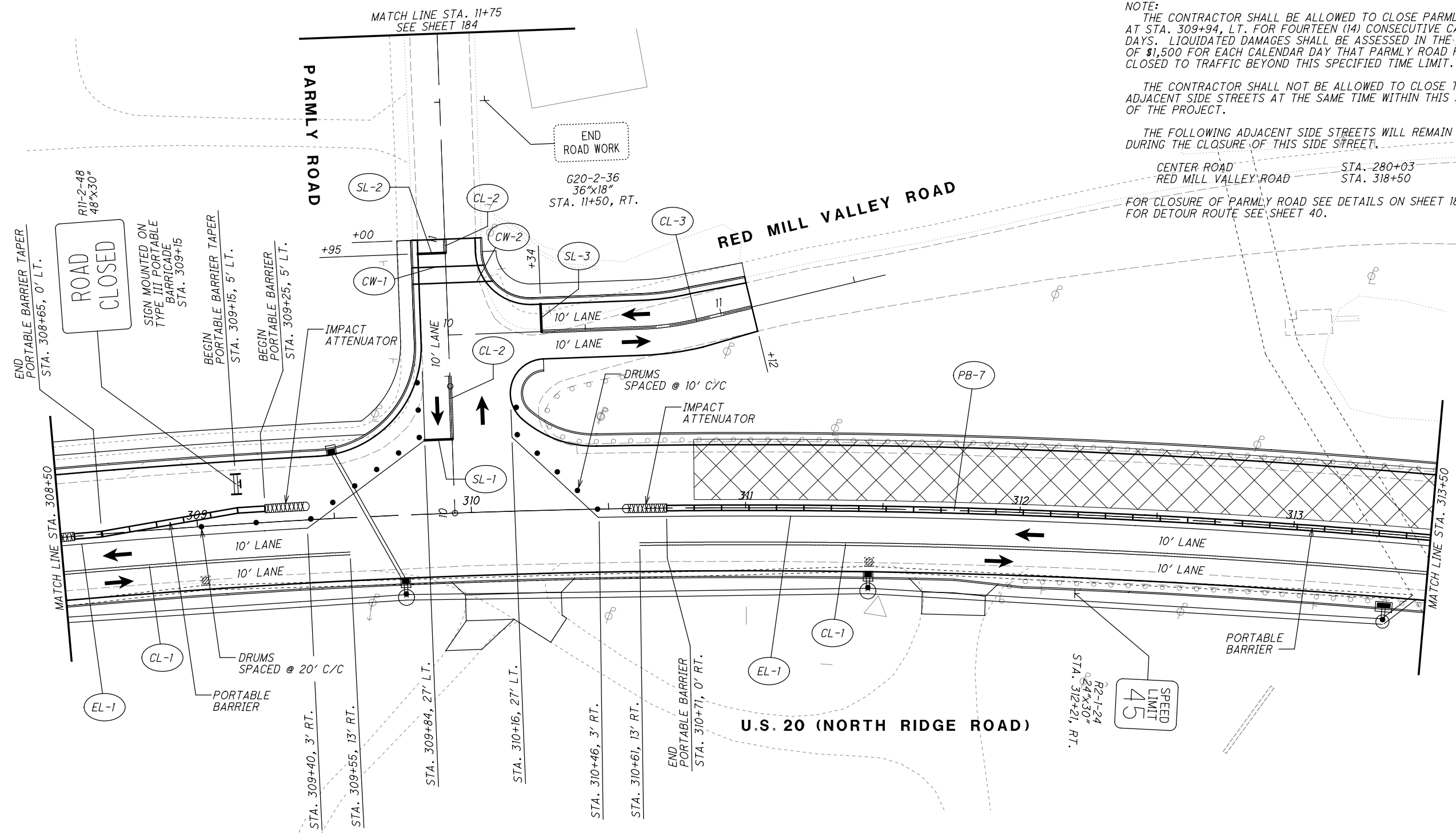
**NOTE:**  
THE CONTRACTOR SHALL BE ALLOWED TO CLOSE PARMLY ROAD AT STA. 309+94, LT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT PARMLY ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

CENTER ROAD      STA. 280+03  
RED MILL VALLEY ROAD      STA. 318+50

FOR CLOSURE OF PARMLY ROAD SEE DETAILS ON SHEET 188-189.  
FOR DETOUR ROUTE SEE SHEET 40.



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
- TRAFFIC FLOW

**LEGEND**



NOTE:  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE RED MILL VALLEY ROAD AT STA. 318+50, LT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT RED MILL VALLEY ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

PARMLY ROAD STA. 309+94

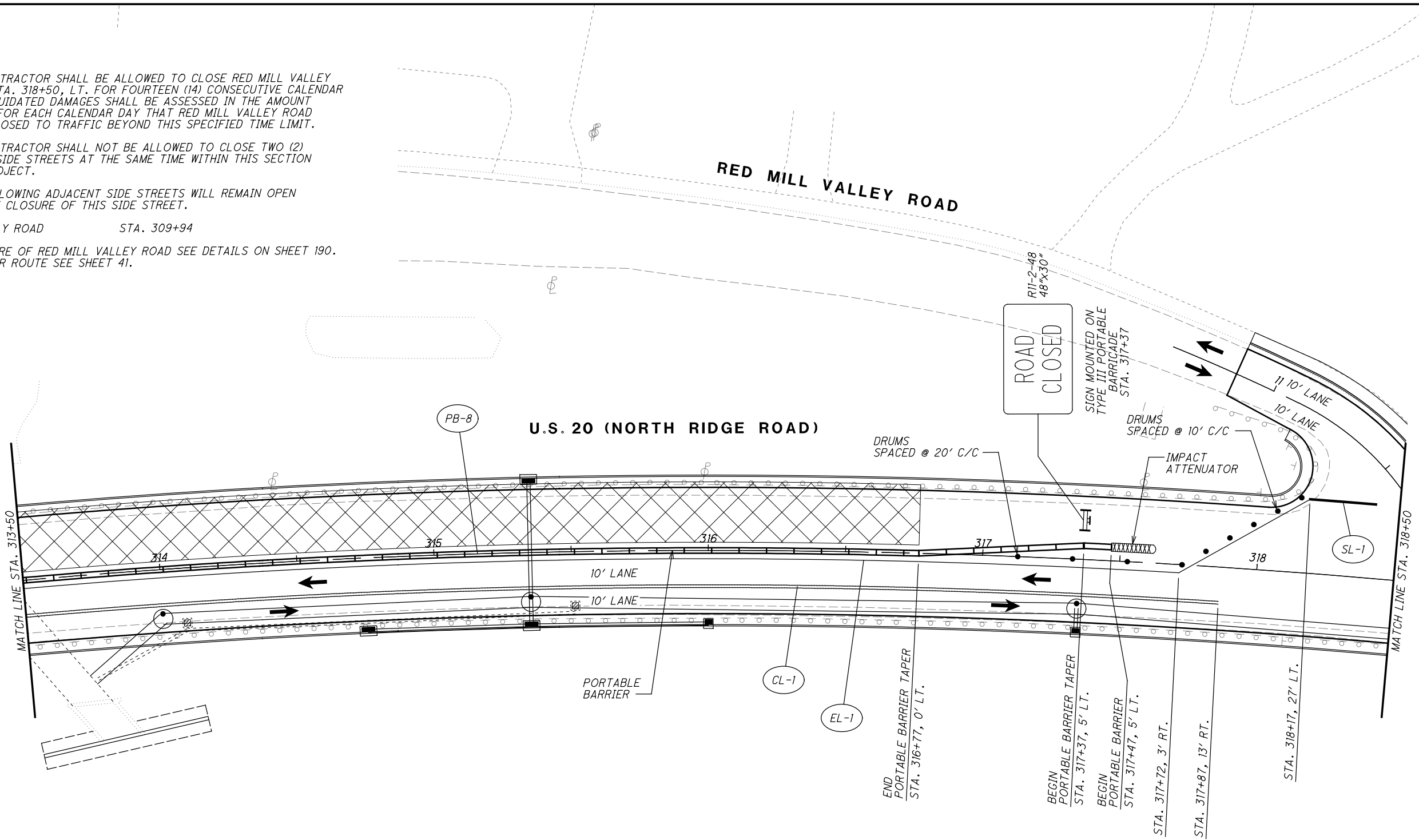
FOR CLOSURE OF RED MILL VALLEY ROAD SEE DETAILS ON SHEET 190.  
 FOR DETOUR ROUTE SEE SHEET 41.

CALCULATED JDC  
 CHECKED EJT

0 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 313+50 TO STA. 318+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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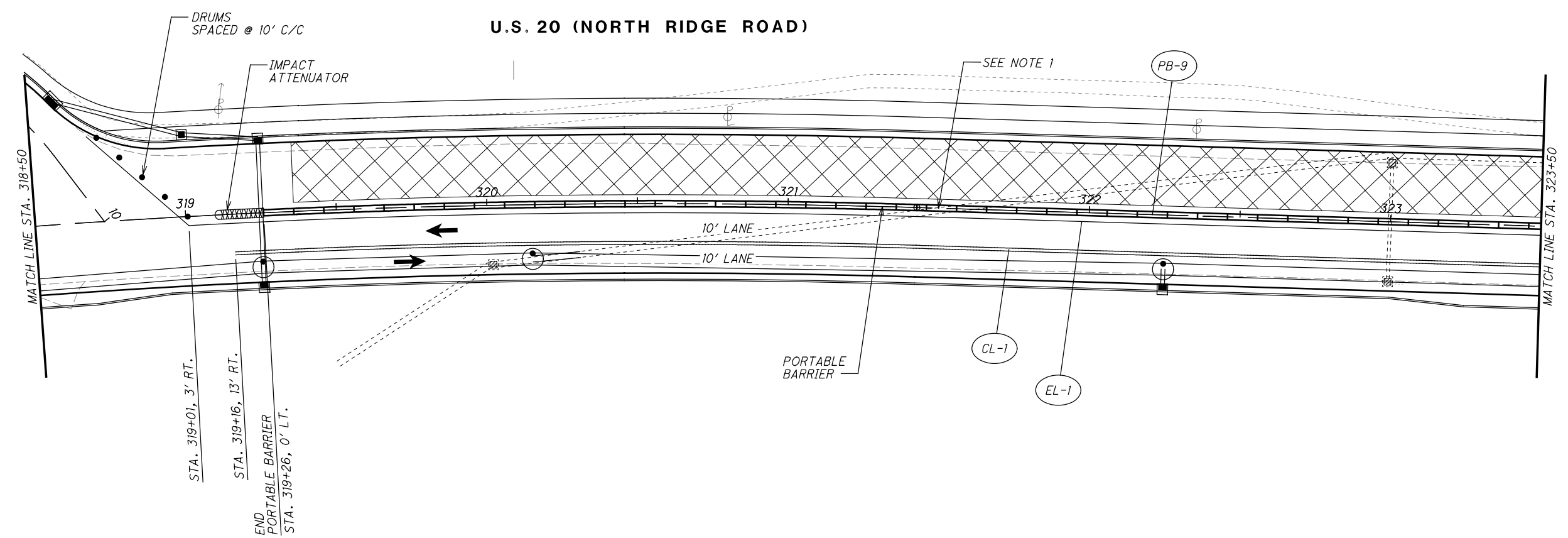
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HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
STA. 318+50 TO STA. 323+50

**LAK-US-20-19.59**  
**PART 1**

159  
1253

NOTES  
1. PLUG EX. PIPE



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

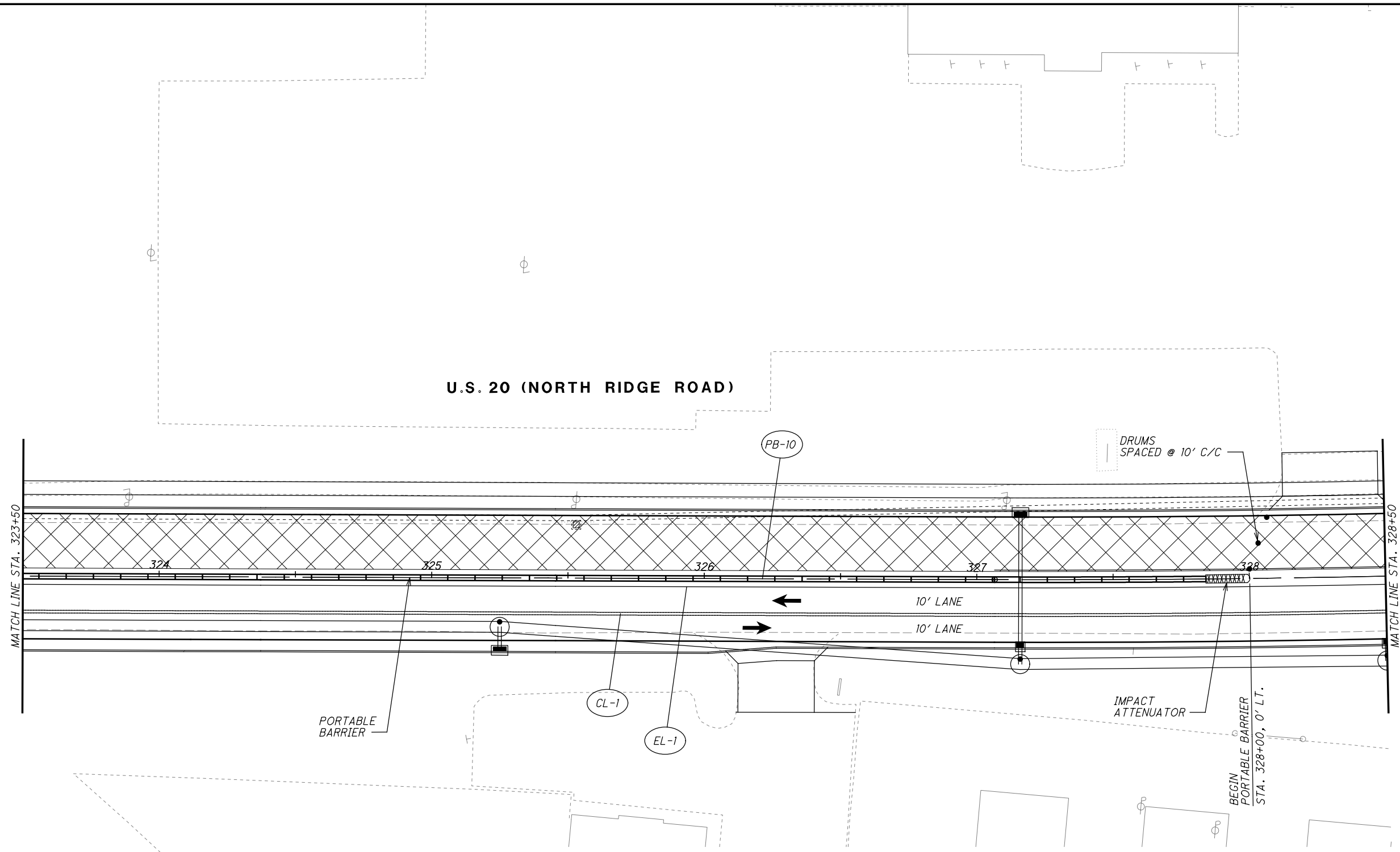
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 0 20 40  
 HORIZONTAL  
 SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 323+50 TO STA. 328+50**








**LAK-US-20-19.59**  
**PART 1**

160  
1253






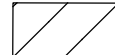



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN




-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

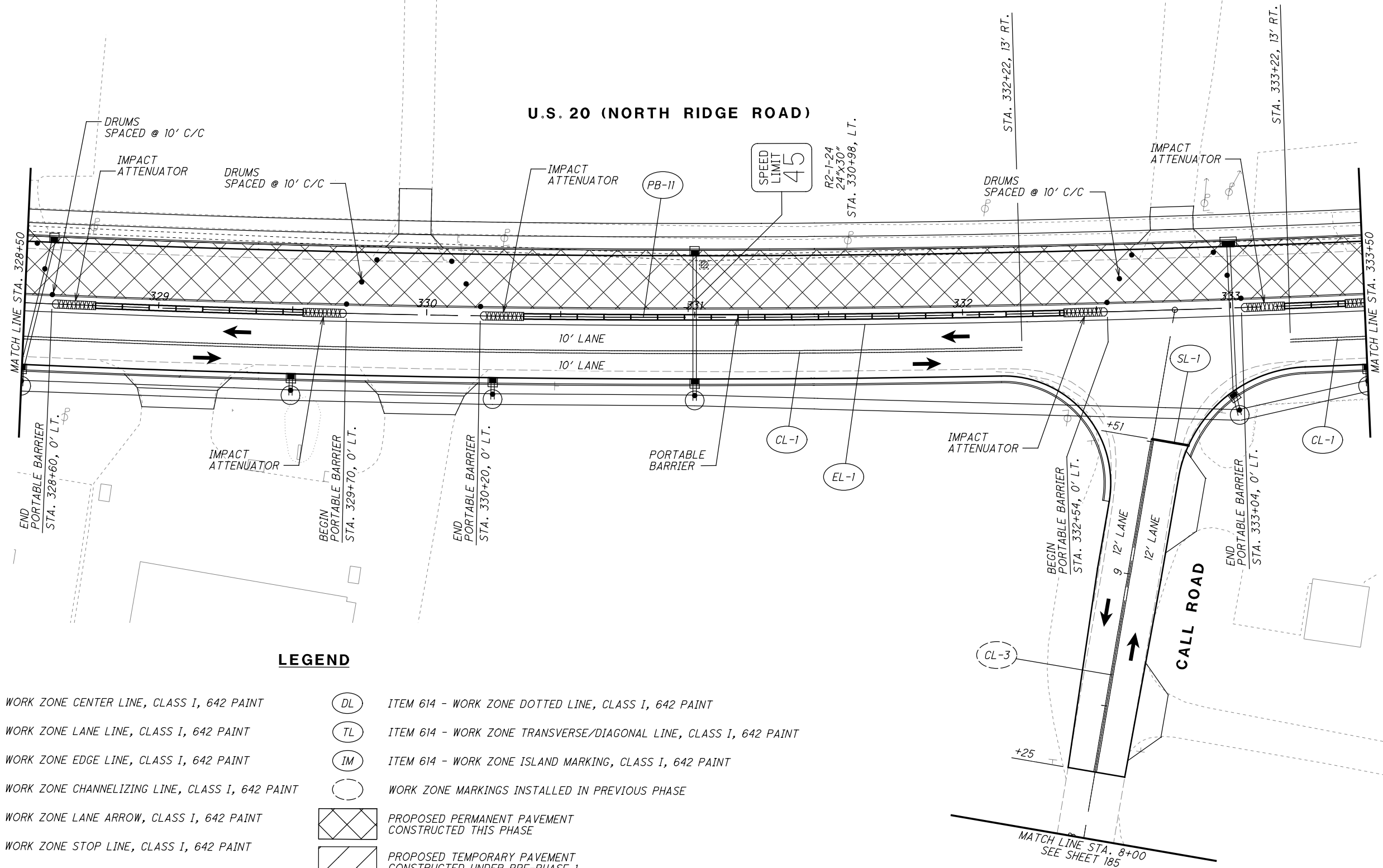
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
-  TRAFFIC FLOW

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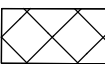

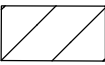


**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**U.S. 20 (NORTH RIDGE ROAD)**



**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



CALCULATED JDC CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2  
STA. 328+50 TO STA. 333+50**

**LAK-US-20-19.59  
PART 1**

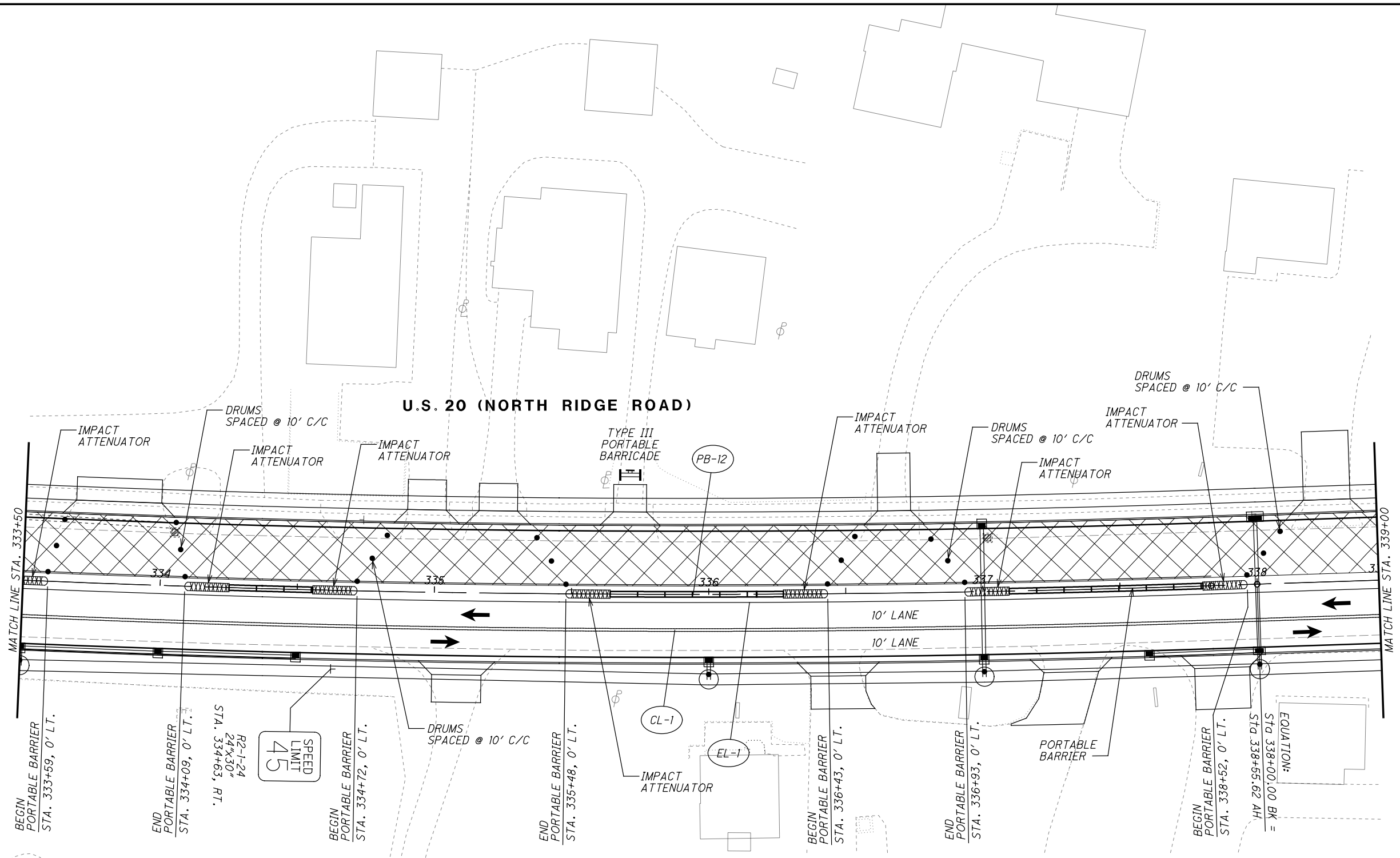
161  
1253

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CALCULATED JDC  
 CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59**  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 333+50 TO STA. 339+00**  
**PART 1**

**LAK-US-20-19.59**  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 333+50 TO STA. 339+00**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

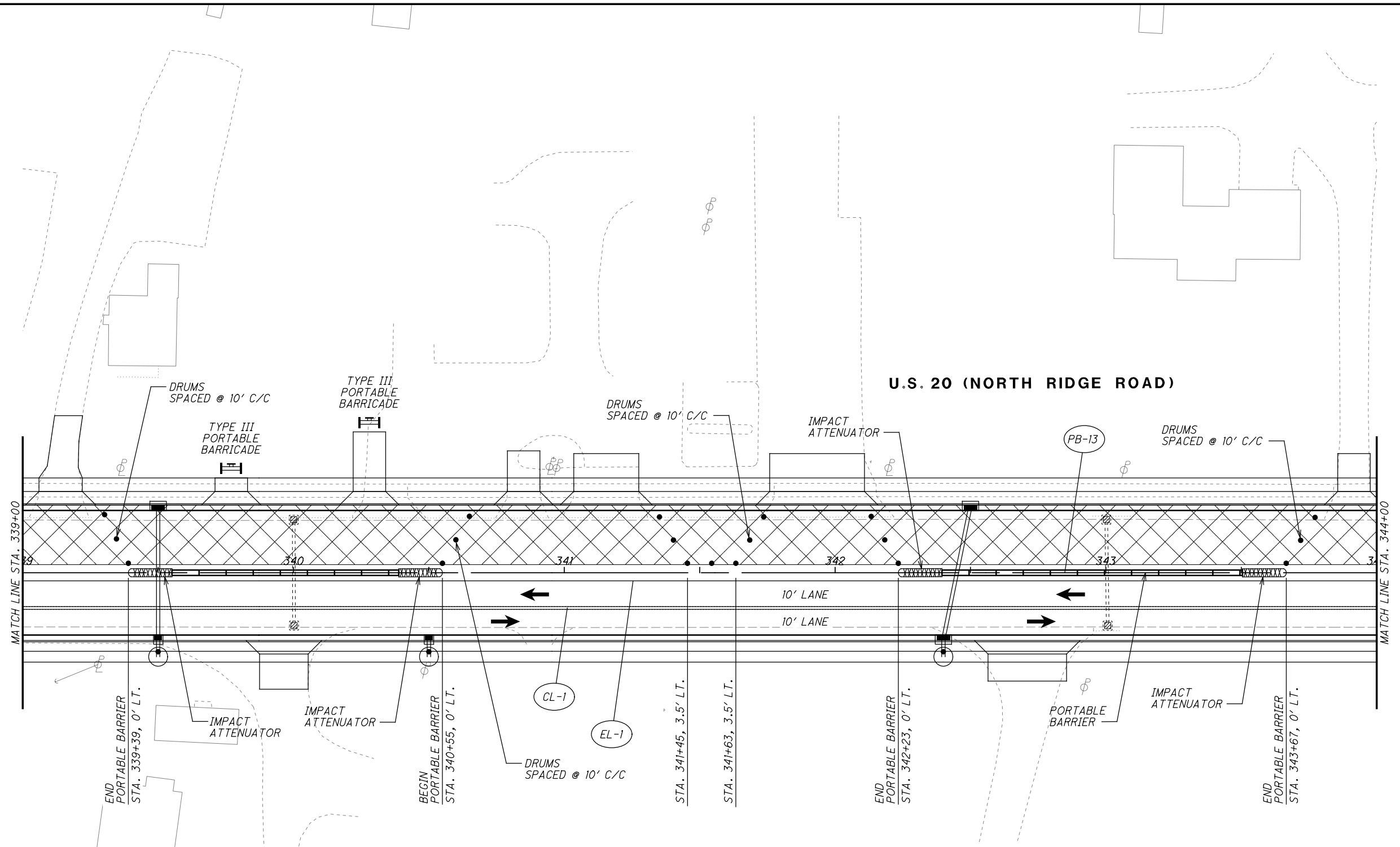
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 0 20 40  
 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 339+00 TO STA. 344+00**








**LAK-US-20-19.59**  
**PART 1**






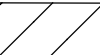

163  
1253



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

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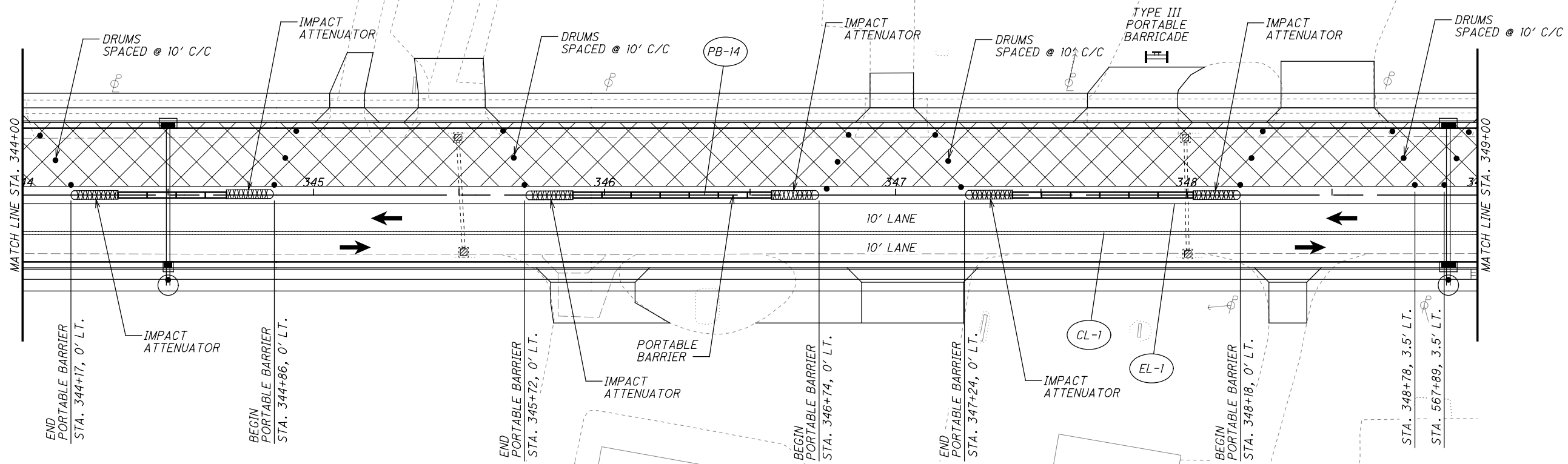
CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
STA. 344+00 TO STA. 349+00

**LAK-US-20-19.59**  
**PART 1**

**U.S. 20 (NORTH RIDGE ROAD)**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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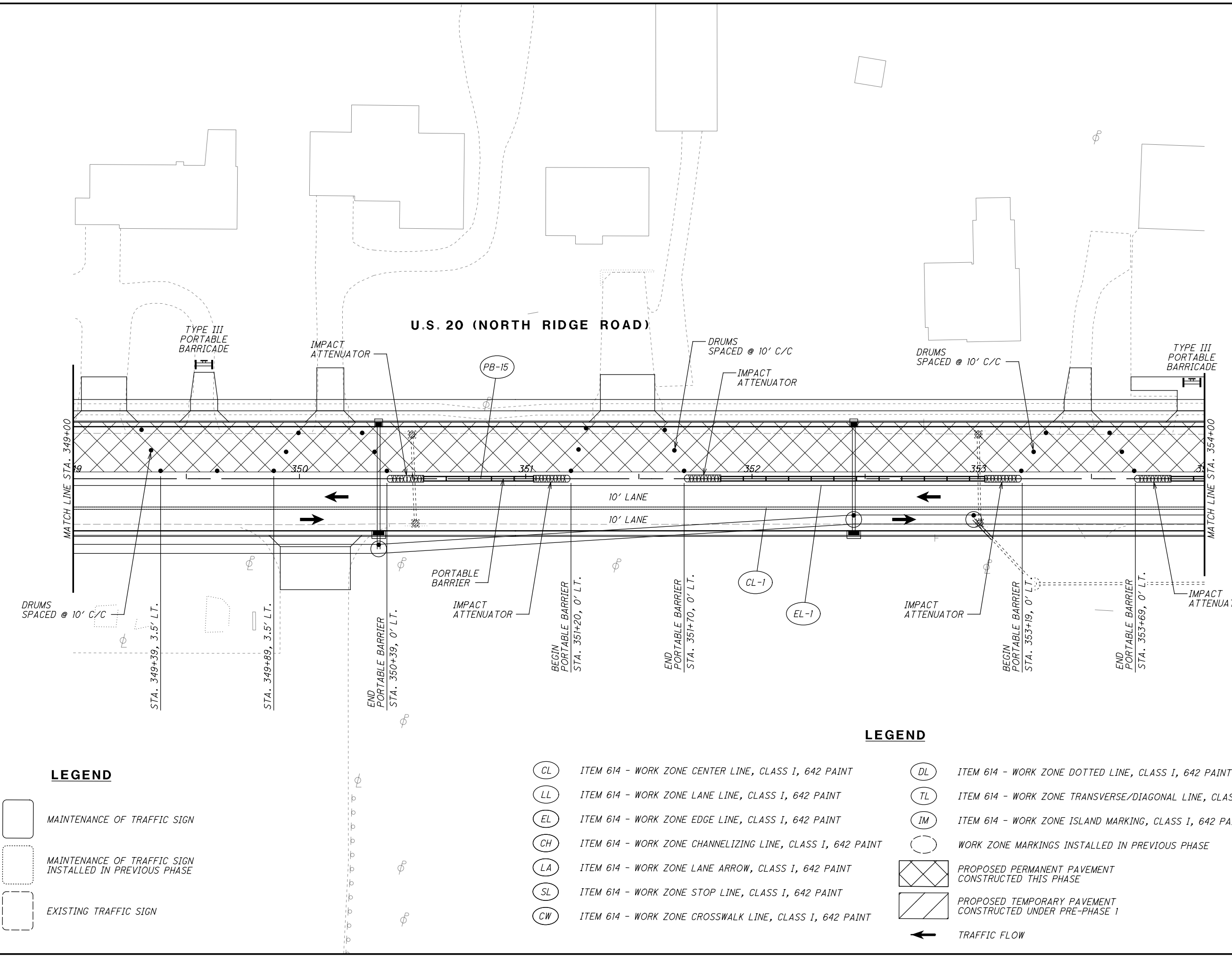
CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 349+00 TO STA. 354+00**

**LAK-US-20-19.59**  
**PART 1**

165  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW



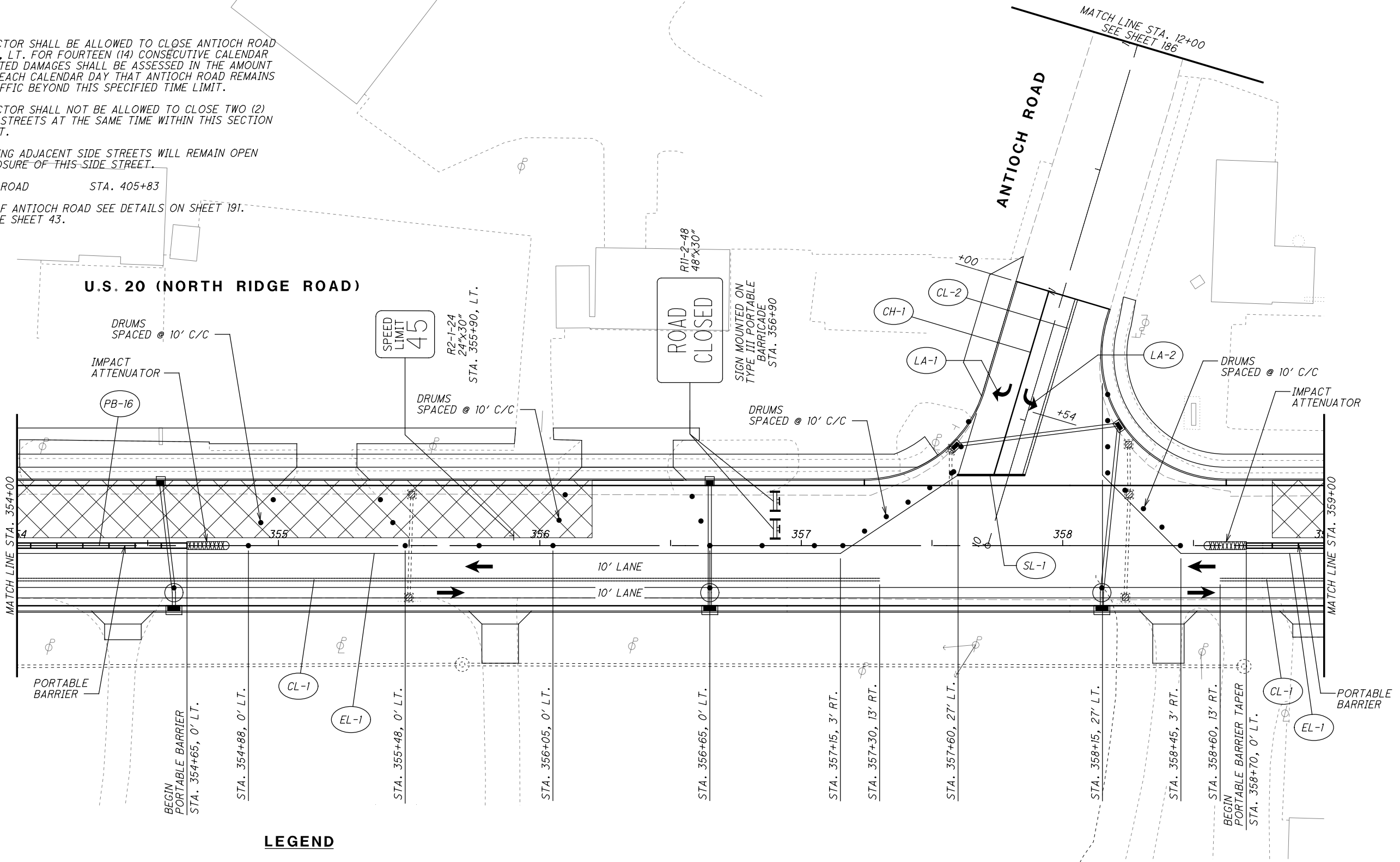
NOTE:  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE ANTIOCH ROAD AT STA. 357+71, L.T. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT ANTIOCH ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

TOWNLIN ROAD STA. 405+83

FOR CLOSURE OF ANTIOCH ROAD SEE DETAILS ON SHEET 191.  
 FOR DETOUR SEE SHEET 43.



**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

**LEGEND**

- |              |   |
|--------------|---|
| (Solid Box)  | MAINTENANCE OF TRAFFIC SIGN                             |
| (Dashed Box) | MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| (Dotted Box) | EXISTING TRAFFIC SIGN                                   |



CALCULATED JDC  
 CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2  
 STA. 354+00 TO STA. 359+00**

**LAK-US-20-19.59  
 PART 1**

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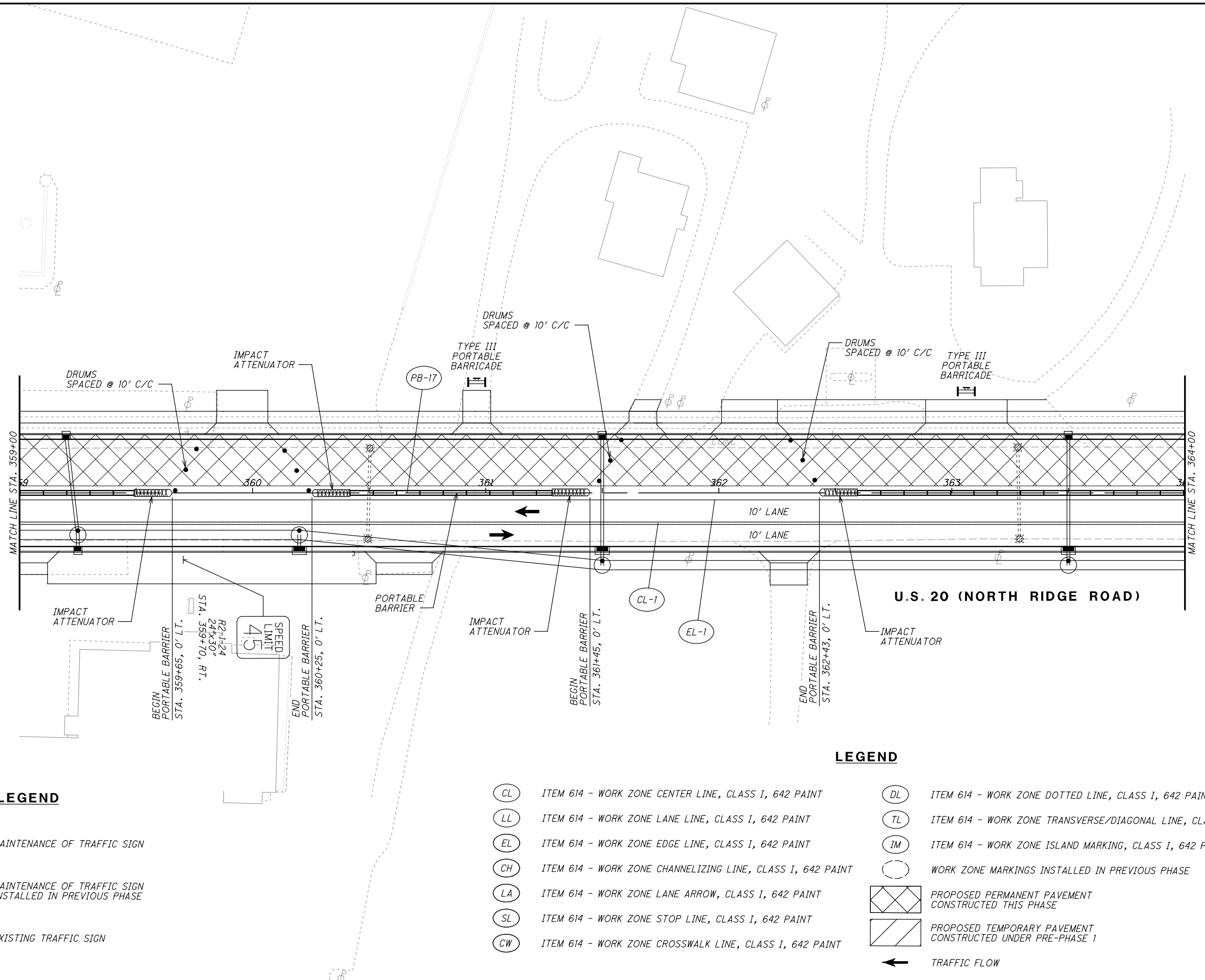
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CALCULATED JDC CHECKED EJT

0 20 40  
10  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
STA. 359+00 TO STA. 364+00

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

**LEGEND**

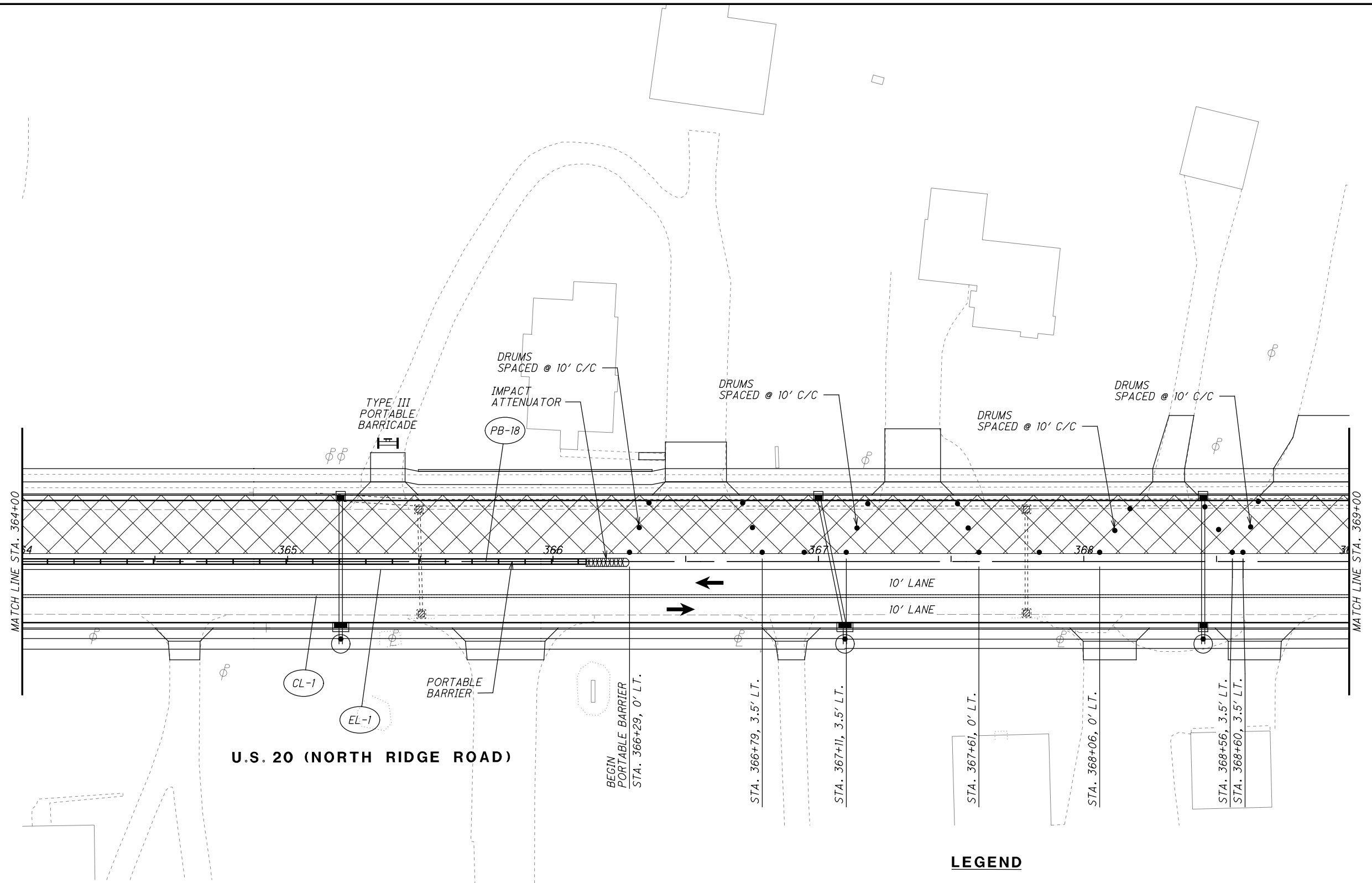
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CALCULATED JDC CHECKED EJT




0 10 20 40  
HORIZONTAL SCALE IN FEET








**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
STA. 364+00 TO STA. 369+00






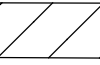

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

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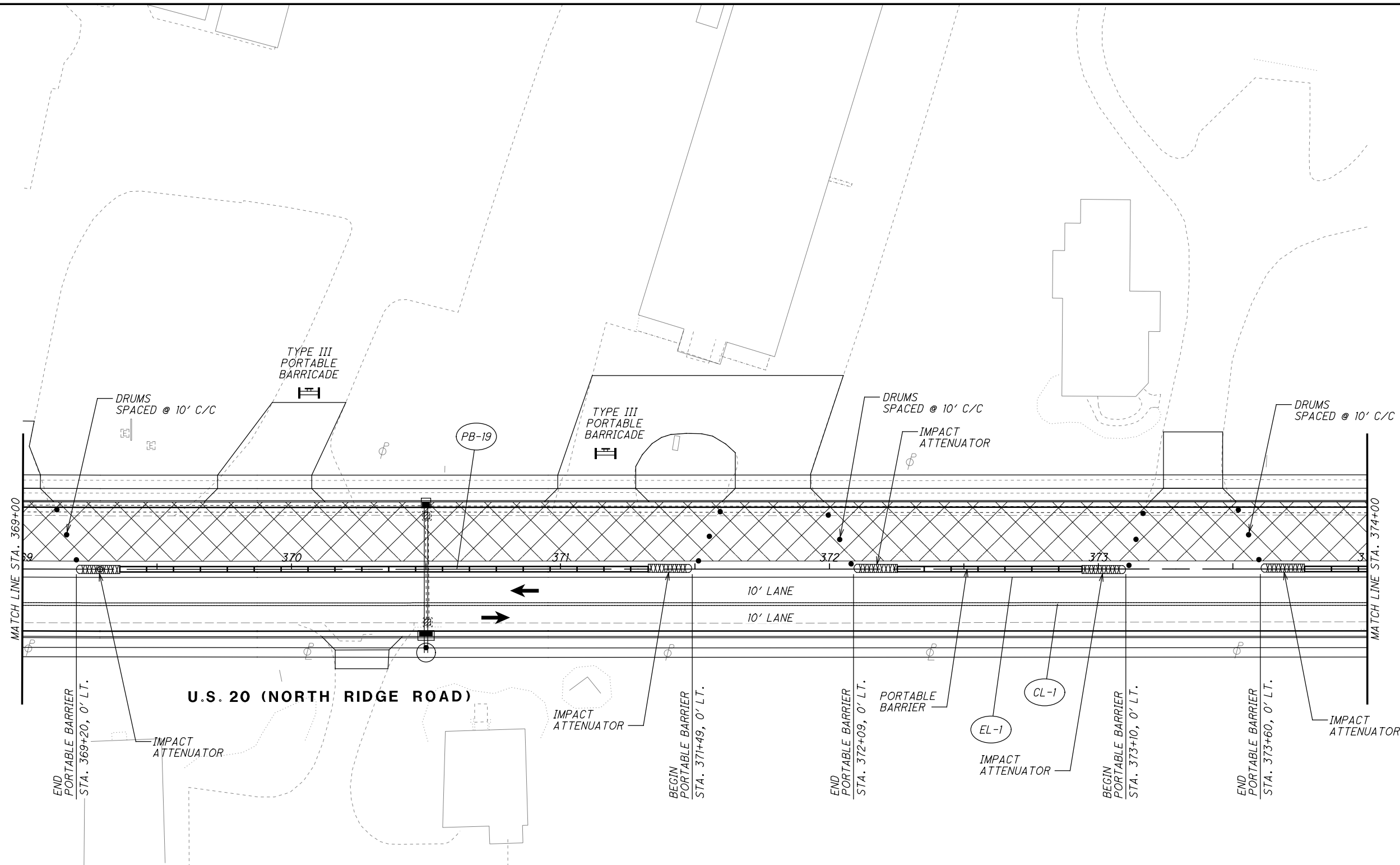
CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 369+00 TO STA. 374+00**

**LAK-US-20-19.59**  
**PART 1**

169  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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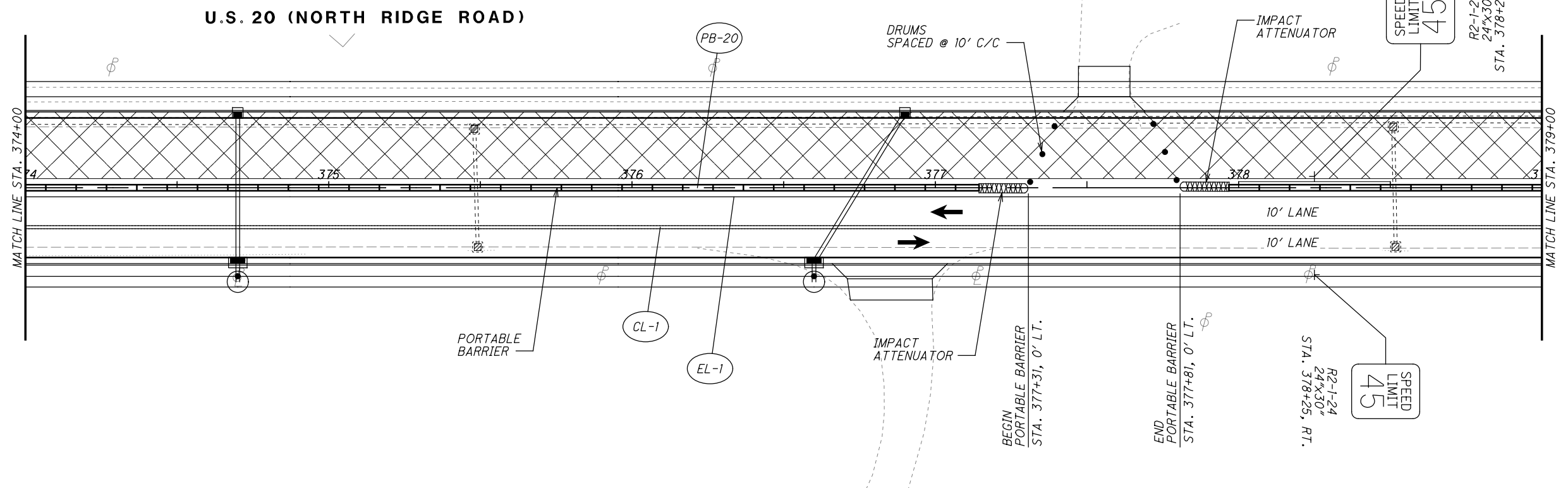
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0 20 40  
10' HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 374+00 TO STA. 379+00**

**LAK-US-20-19.59**  
**PART 1**

170  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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CALCULATED  
JDC  
CHECKED  
EJT

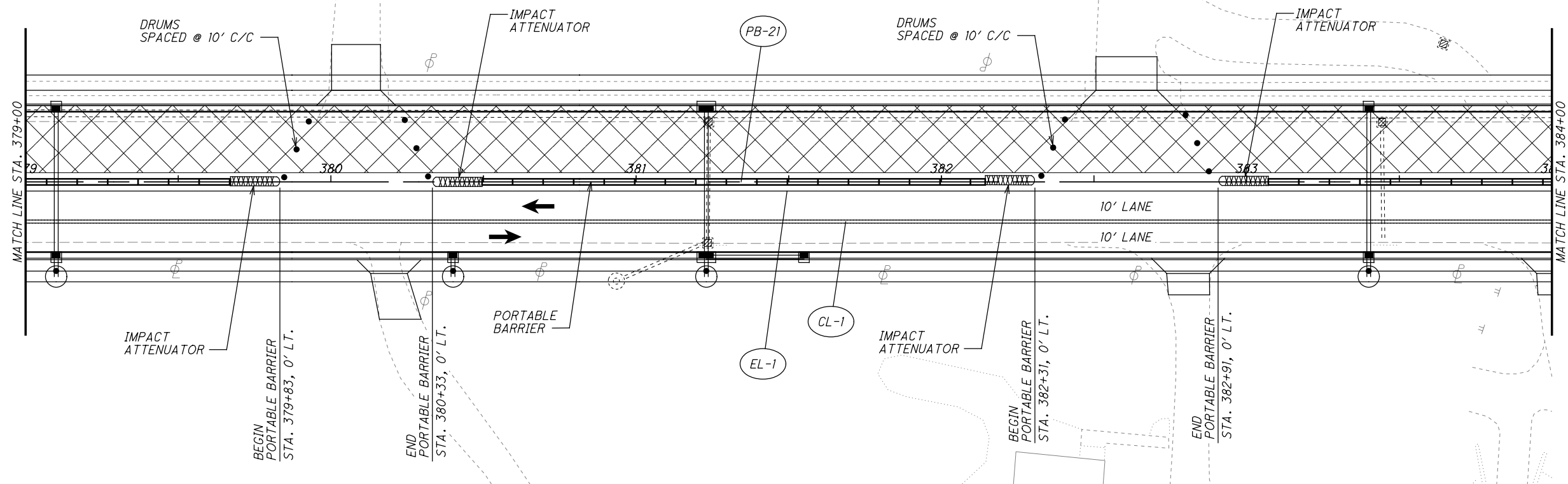
0 20 40  
HORIZONTAL  
SCALE IN FEET

STA. 379+00 TO STA. 384+00




LAK-US-20-19.59  
PART 1















171  
1253

U.S. 20 (NORTH RIDGE ROAD)



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

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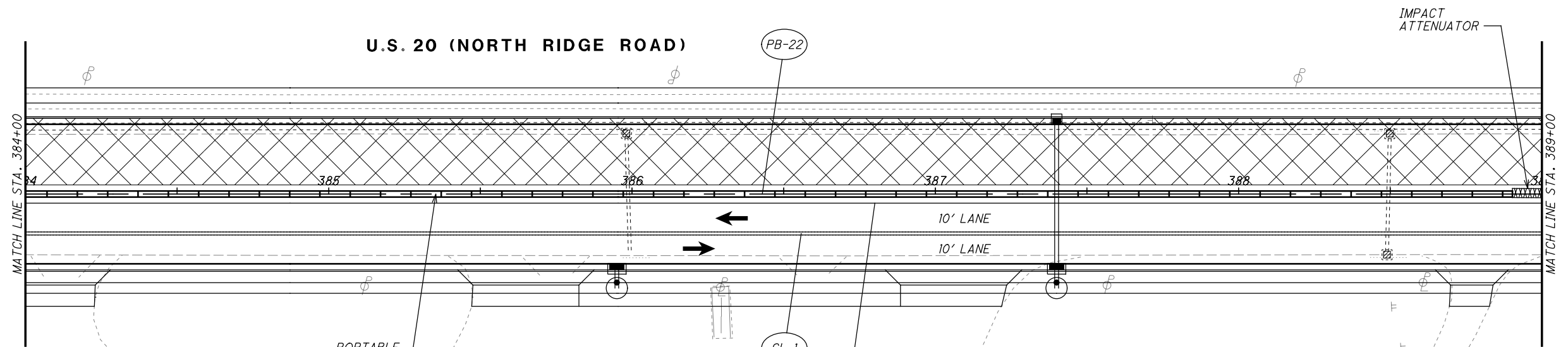
CALCULATED  
JDC  
CHECKED  
EJT

0 10 20 40  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 384+00 TO STA. 389+00**

**LAK-US-20-19.59**  
**PART 1**

172  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

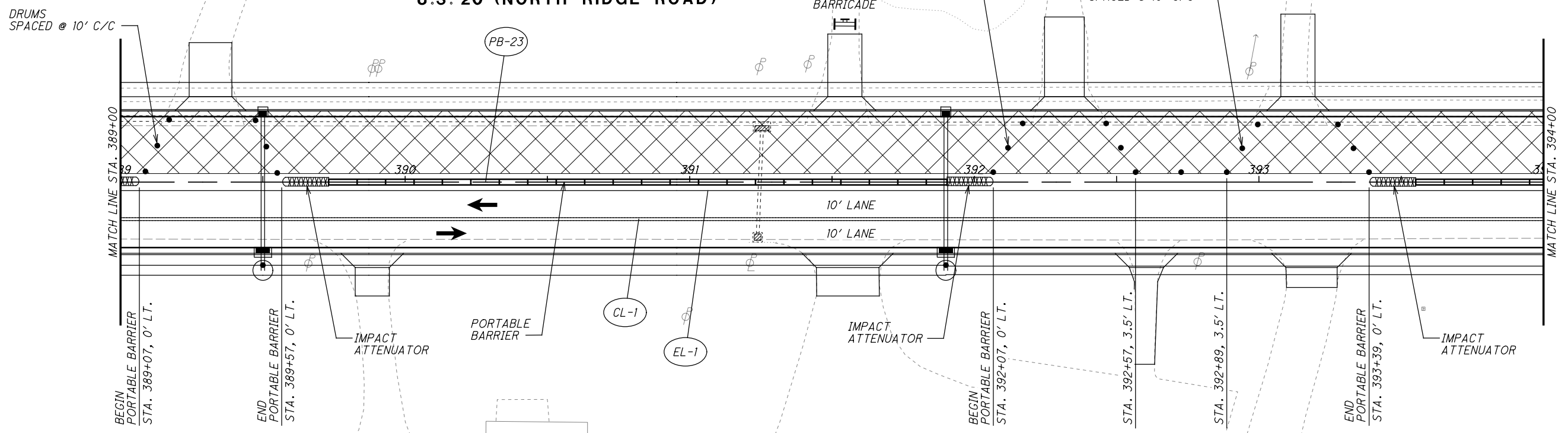
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 0 20 40  
 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 389+00 TO STA. 394+00**








**LAK-US-20-19.59**  
**PART 1**

173  
1253





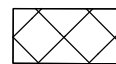
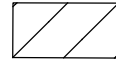



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

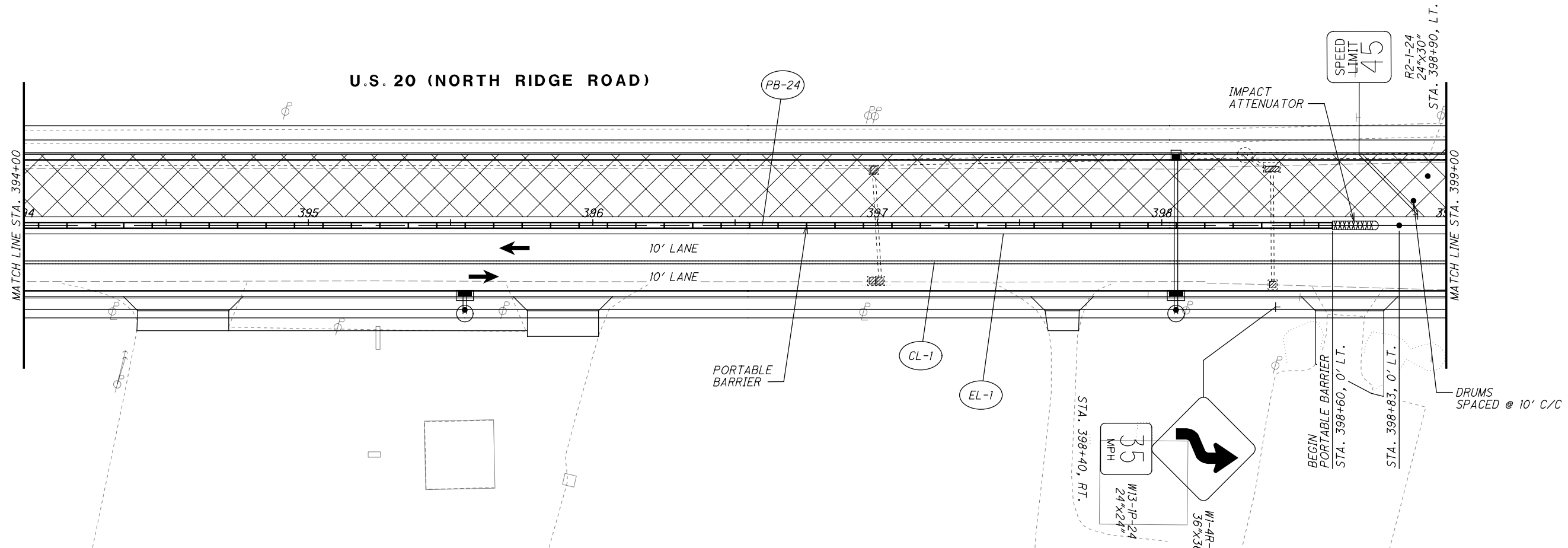
-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW



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**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | ( )  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

**LEGEND**

- ( ) MAINTENANCE OF TRAFFIC SIGN
- ( ) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- ( ) EXISTING TRAFFIC SIGN

CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 394+00 TO STA. 399+00**

**LAK-US-20-19.59**  
**PART 1**

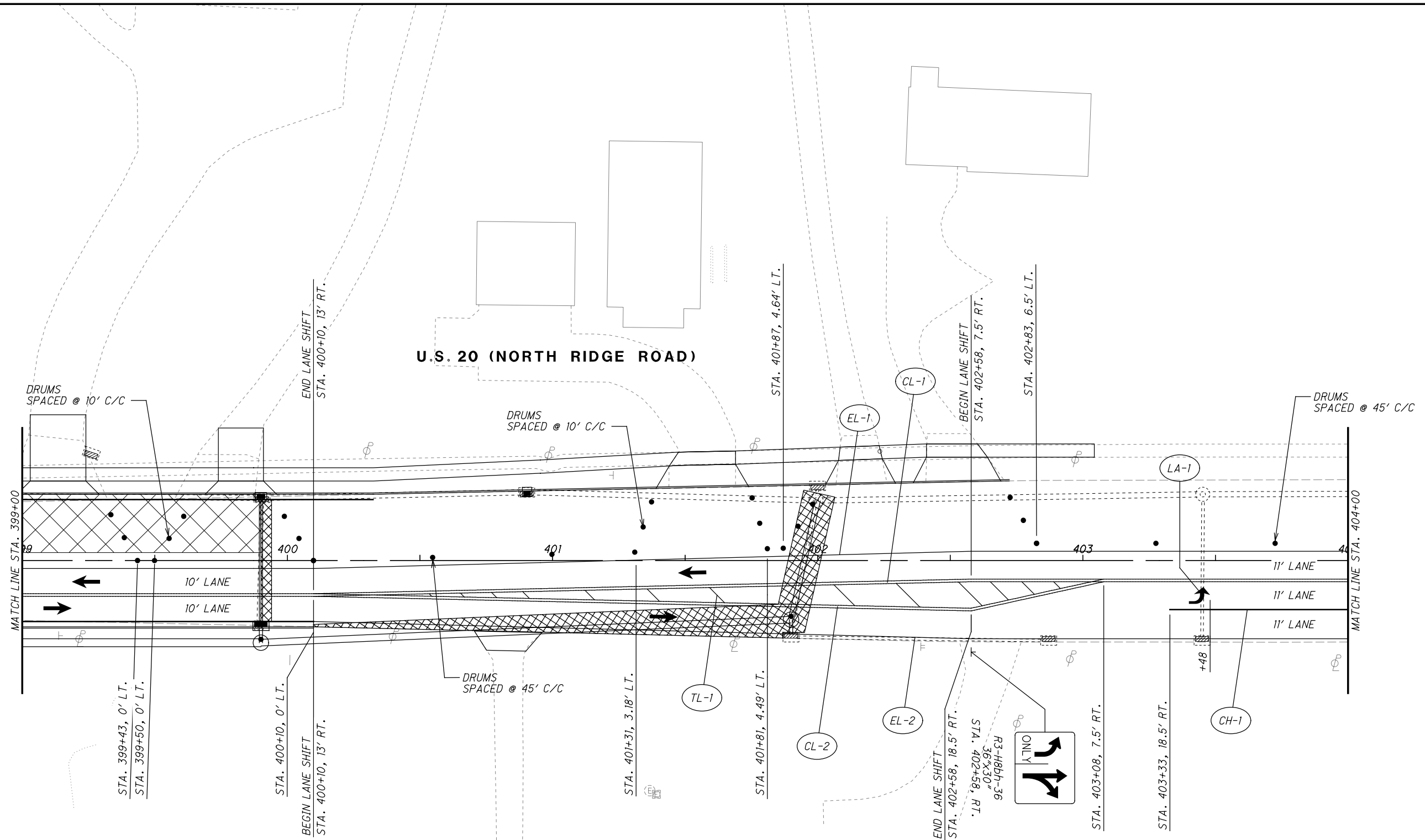
174  
1253

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CALCULATED JDC  
 CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 399+00 TO STA. 404+00**

**LAK-US-20-19.59**  
**PART 1**

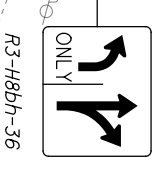


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


- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

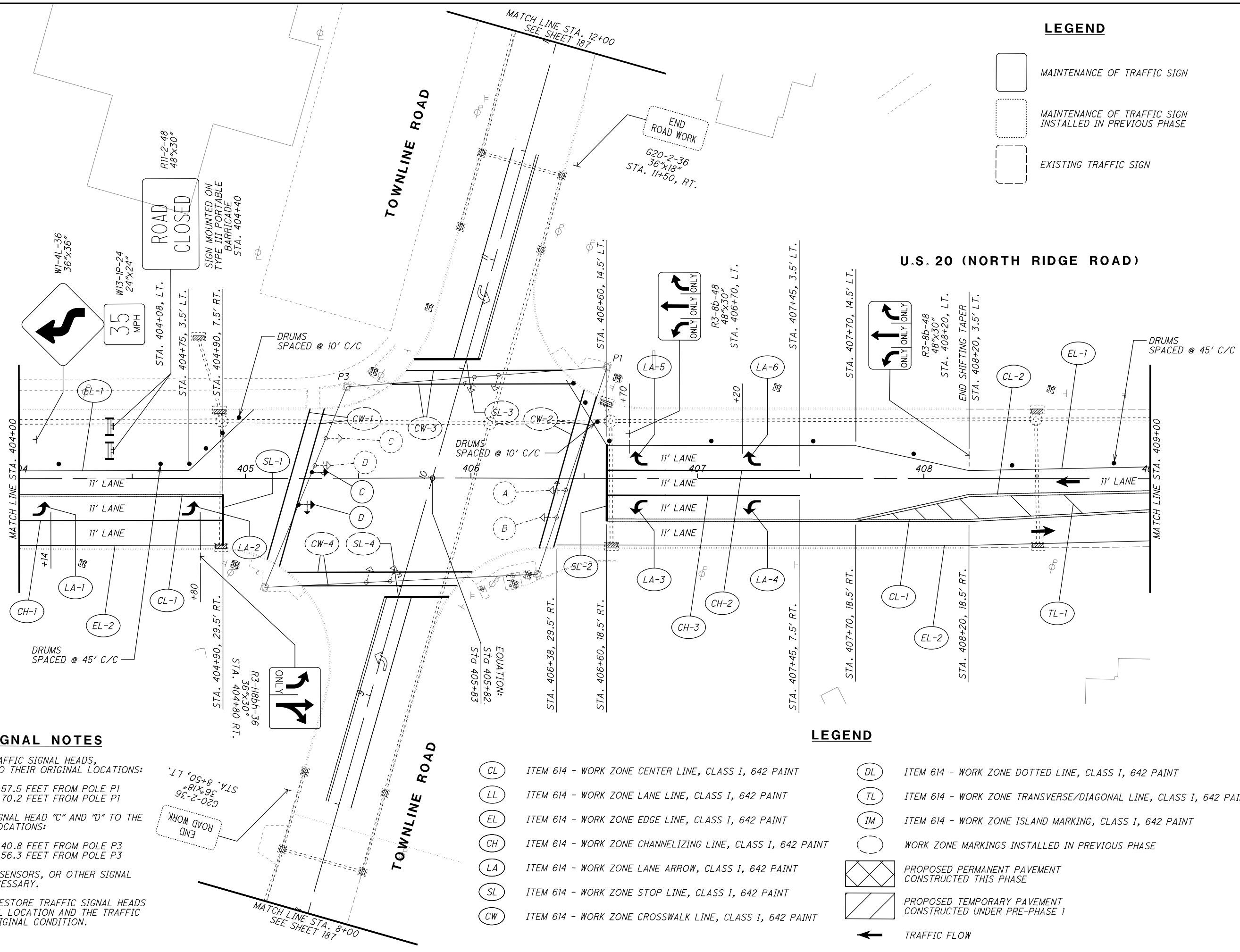
- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

**LEGEND**



**LEGEND**












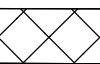
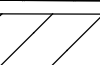
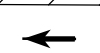
-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" BACK TO THEIR ORIGINAL LOCATIONS:  
 SIGNAL HEAD "A": 57.5 FEET FROM POLE P1  
 SIGNAL HEAD "B": 70.2 FEET FROM POLE P1
2. MOVE EXISTING SIGNAL HEAD "C" AND "D" TO THE FOLLOWING NEW LOCATIONS:  
 SIGNAL HEAD "C": 40.8 FEET FROM POLE P3  
 SIGNAL HEAD "D": 56.3 FEET FROM POLE P3
3. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.
4. AFTER PHASE 2, RESTORE TRAFFIC SIGNAL HEADS TO THEIR ORIGINAL LOCATION AND THE TRAFFIC SIGNAL TO ITS ORIGINAL CONDITION.

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

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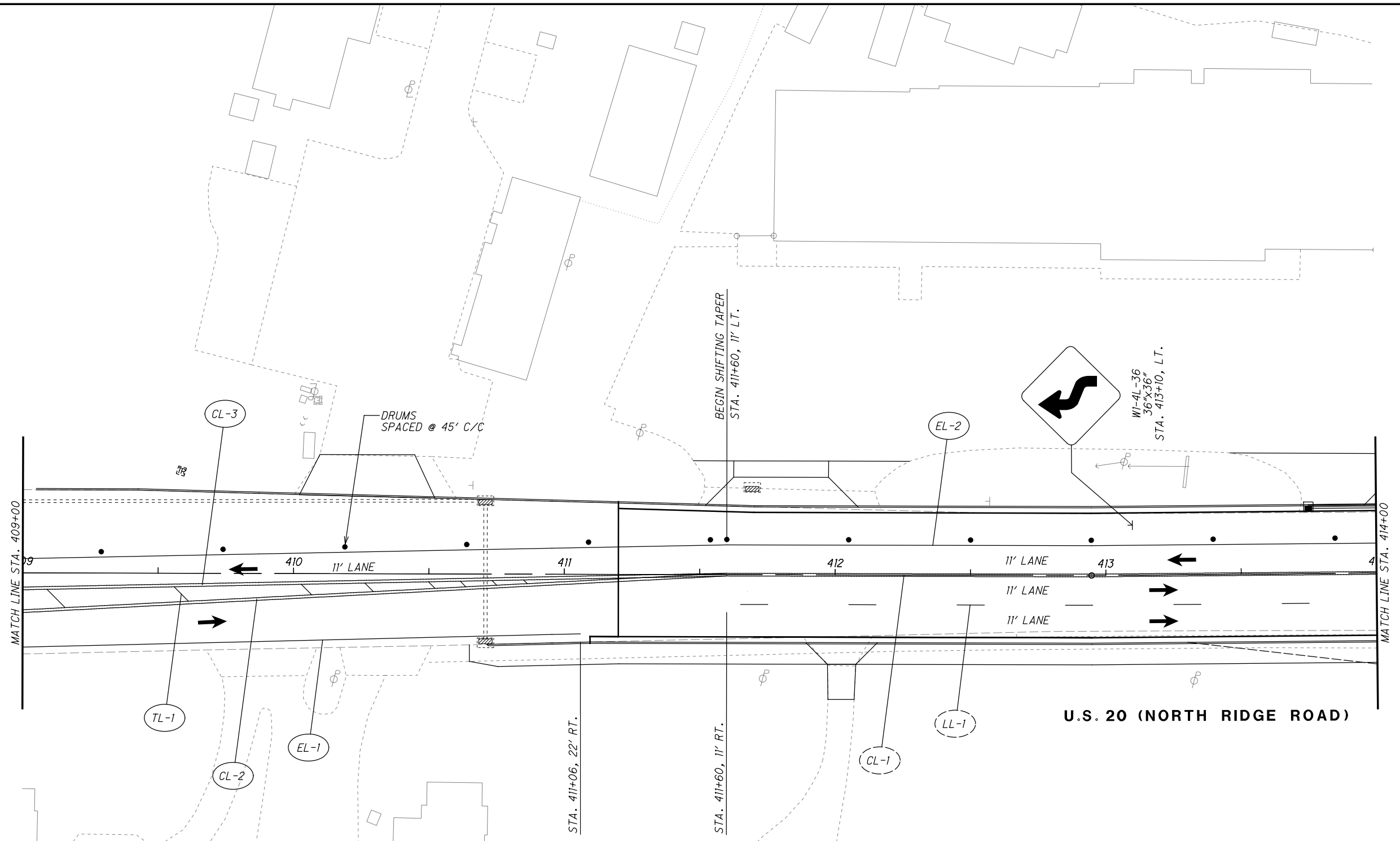
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0 20 40  
10  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 409+00 TO STA. 414+00**

**LAK-US-20-19.59**  
**PART 1**

177  
1253



**LEGEND**

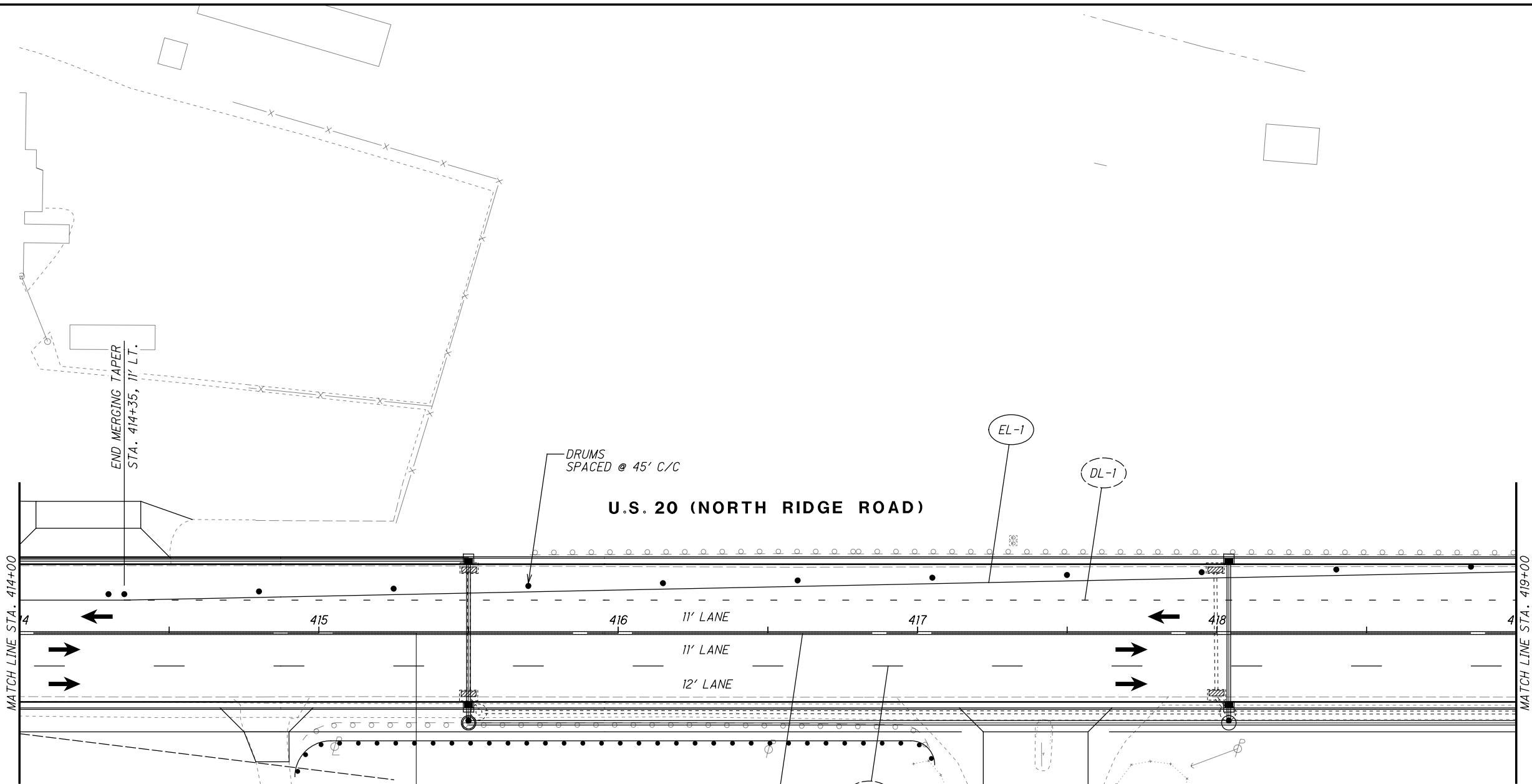
- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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END MERGING TAPER  
STA. 414+35, 11' LT.




DRUMS  
SPACED @ 45' C/C












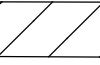


**U.S. 20 (NORTH RIDGE ROAD)**

MATCH LINE STA. 414+00

MATCH LINE STA. 419+00

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2  
STA. 414+00 TO STA. 419+00**

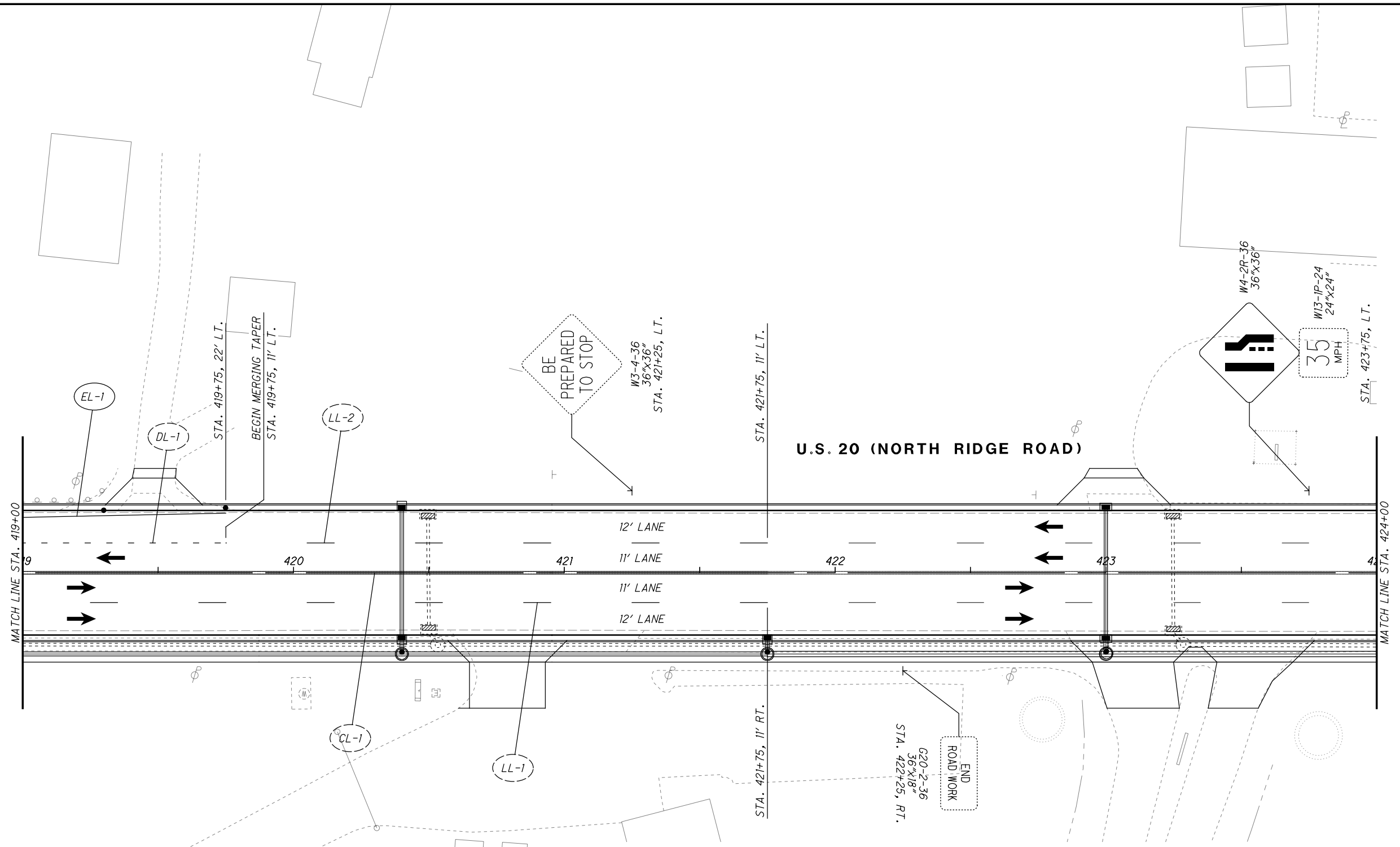
**LAK-US-20-19.59  
PART 1**

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CALCULATED JDC  
 CHECKED EJT  
 0 10 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 419+00 TO STA. 424+00**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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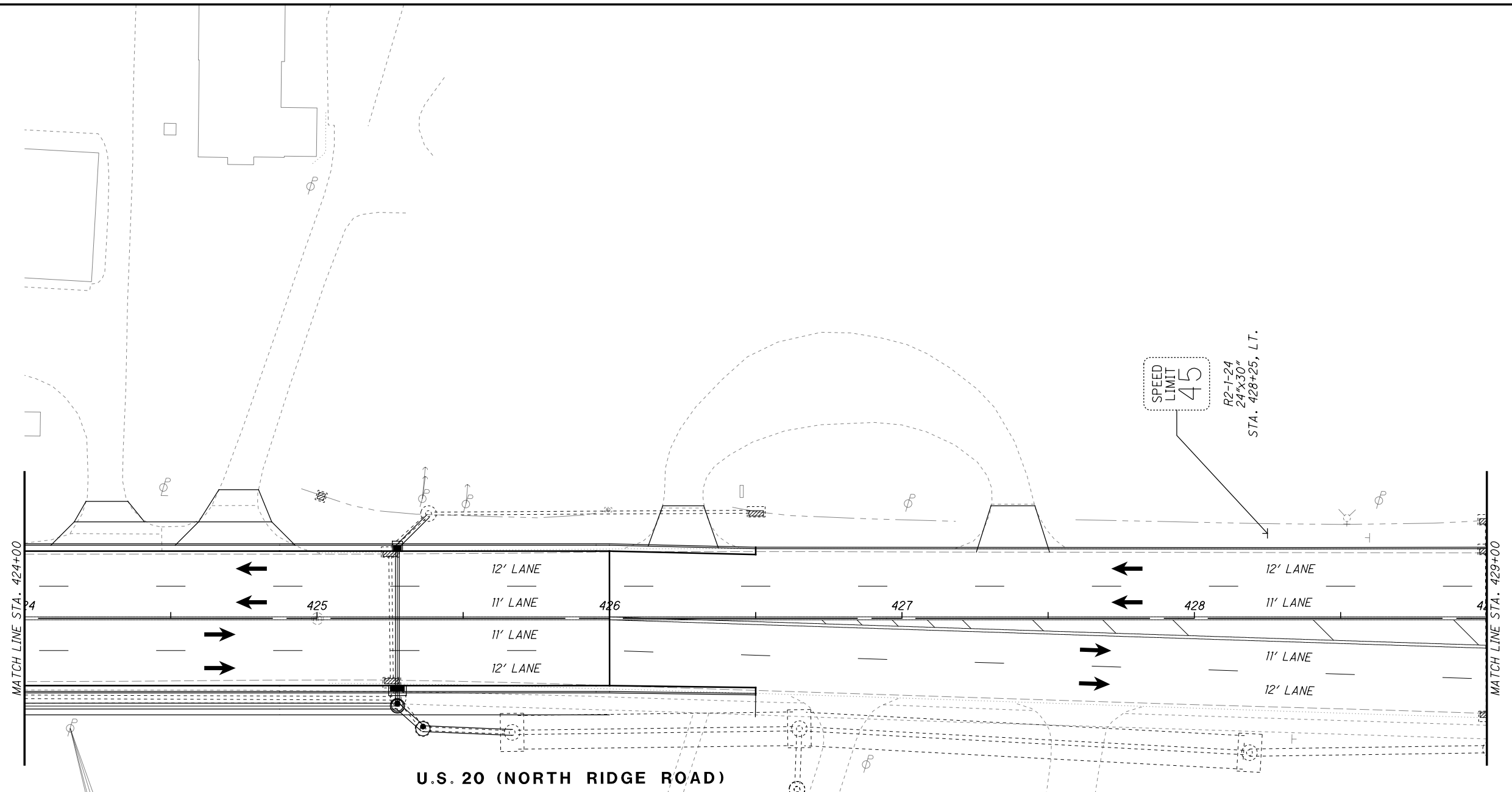


CALCULATED  
JDC  
CHECKED  
EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 424+00 TO STA. 429+00**

**LAK-US-20-19.59**  
**PART 1**

180  
1253



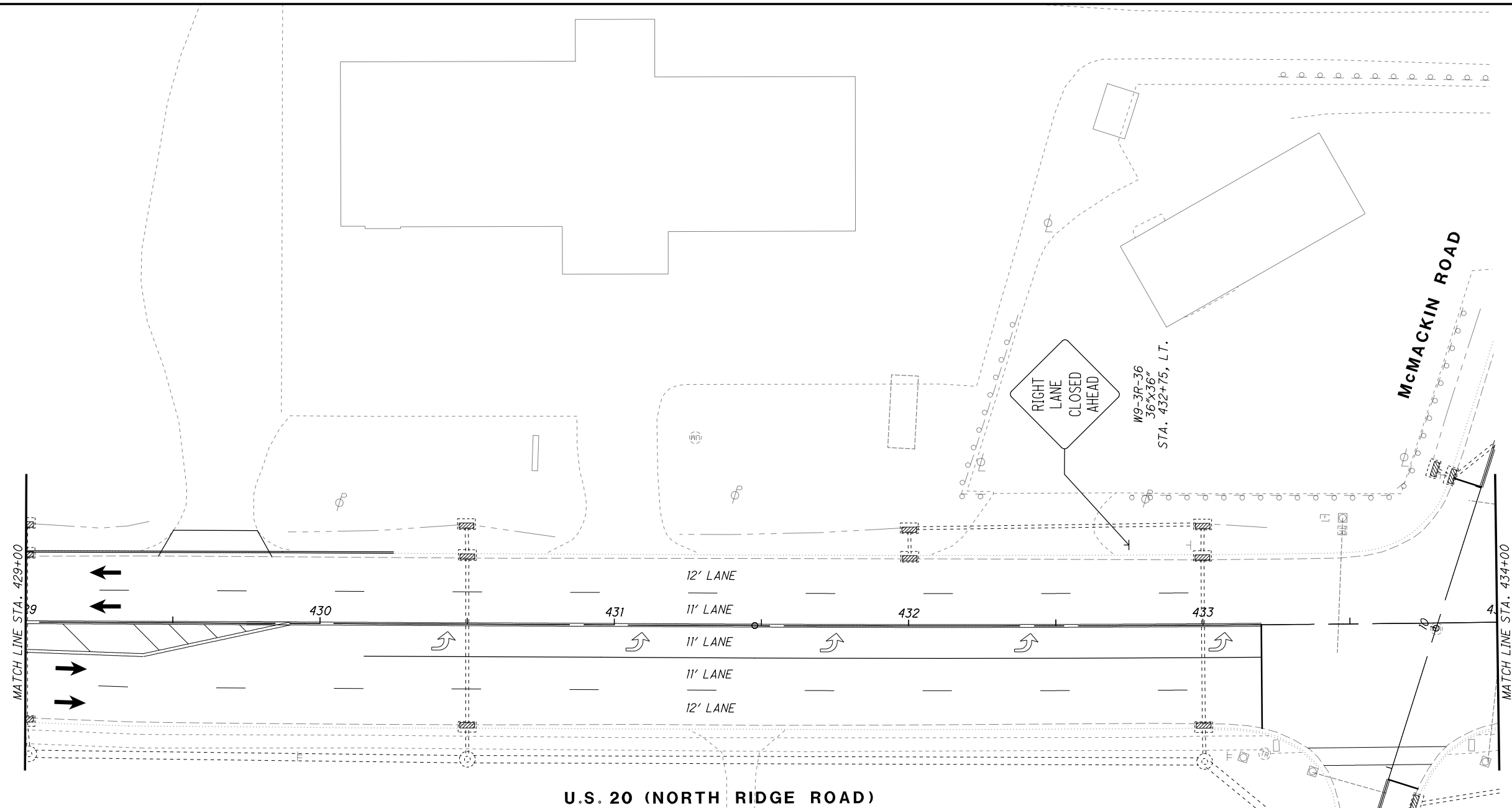
**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN




**LEGEND**








- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

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



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

CALCULATED JDC  
CHECKED EJT



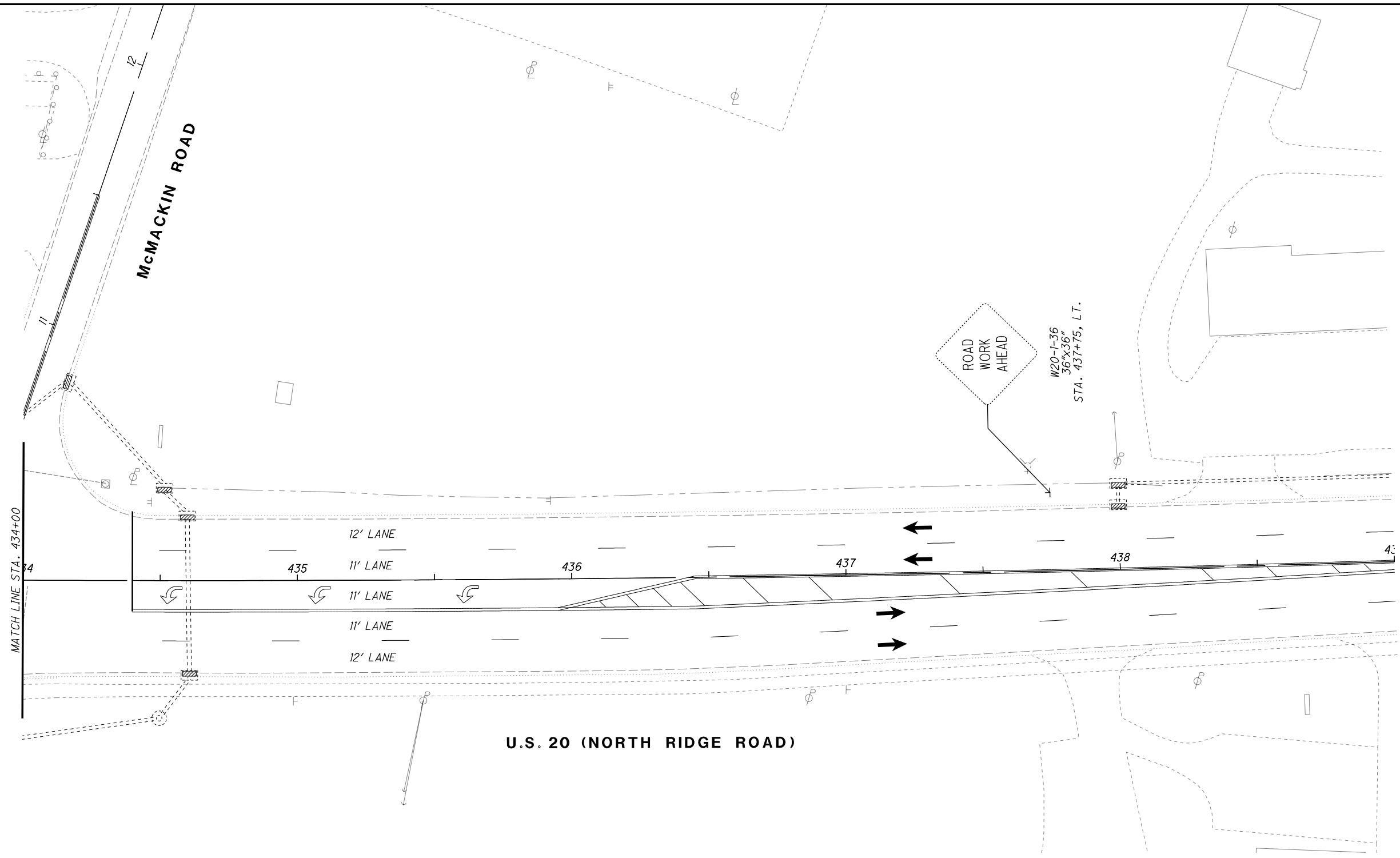
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 429+00 TO STA. 434+00**

**LAK-US-20-19.59**  
**PART 1**



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**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- TRAFFIC FLOW

CALCULATED  
JDC  
CHECKED  
EJT

0 10 20 40  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**STA. 434+00 TO STA. 439+00**

**LAK-US-20-19.59**  
**PART 1**

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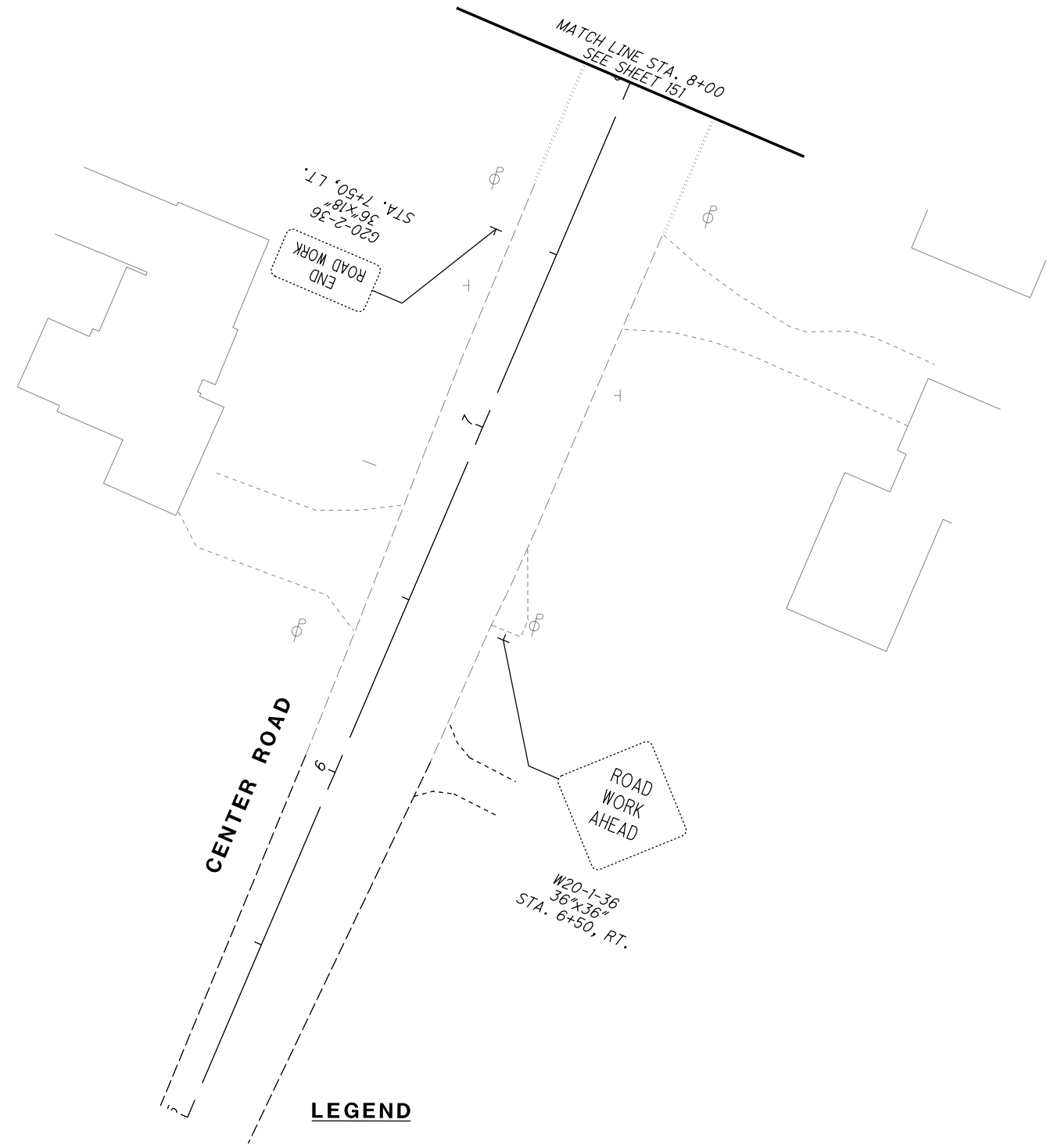
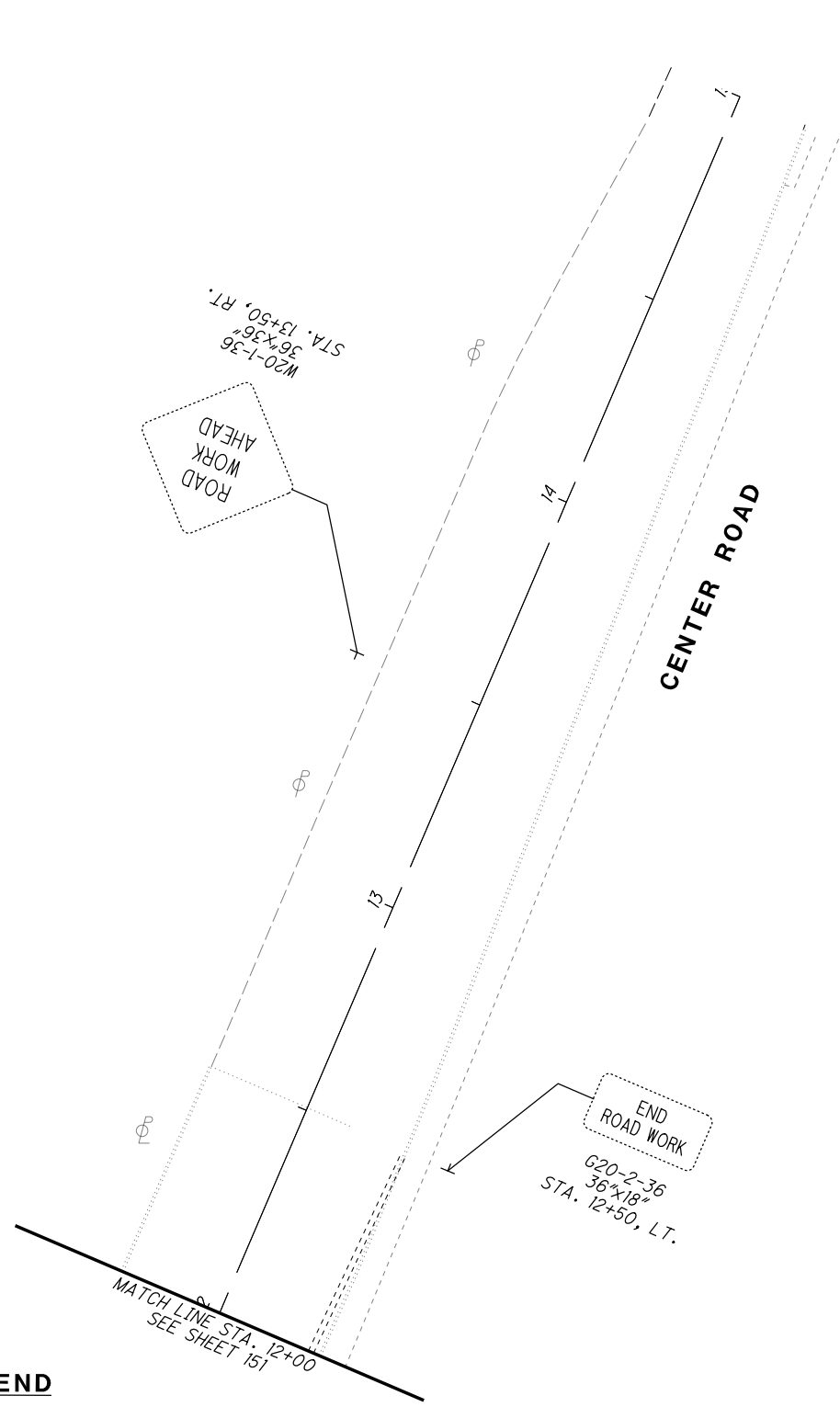

  

  
 HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**CENTER ROAD**















**LAK-US-20-19.59**  
**PART 1**

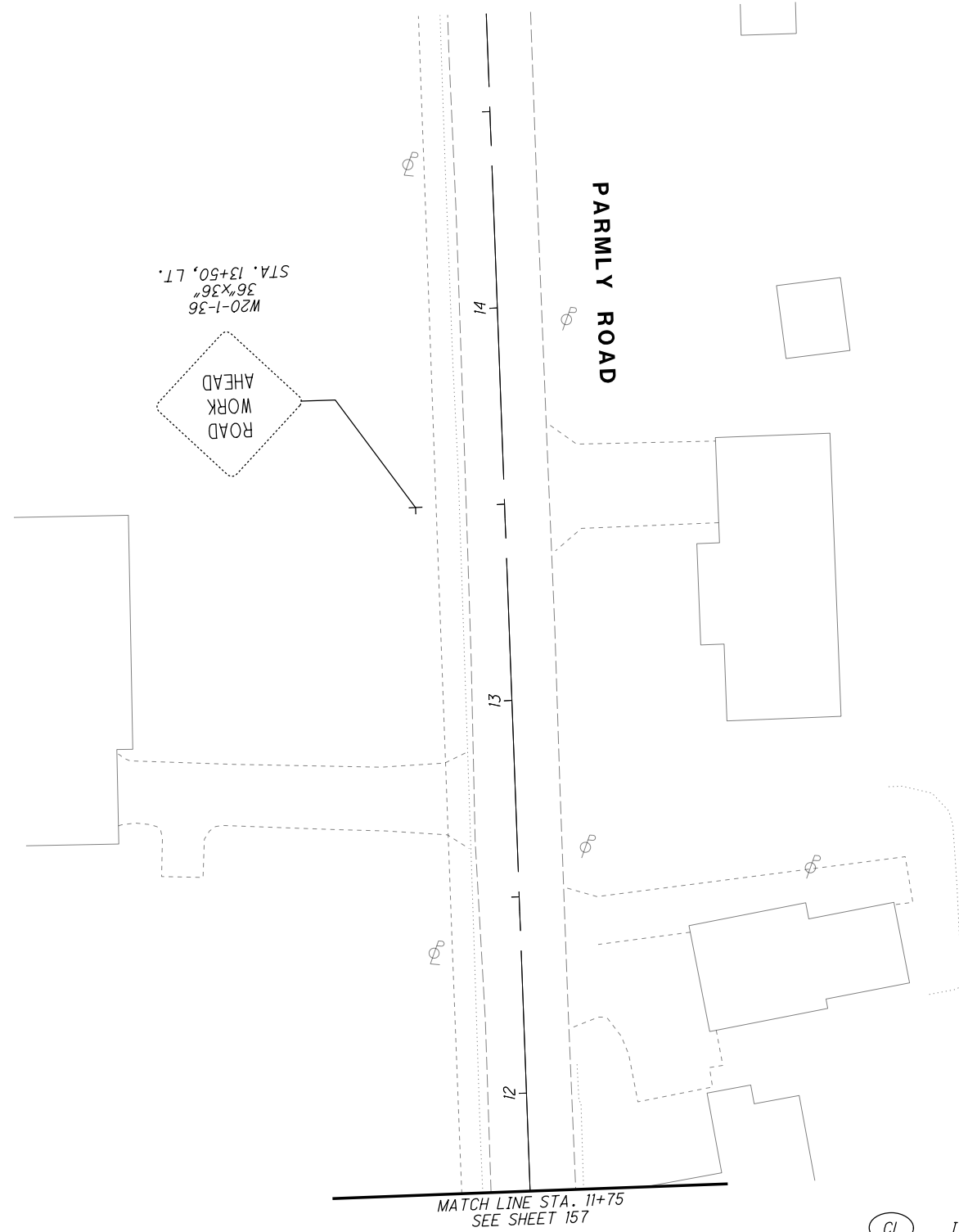
183  
1253






**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN















CALCULATED JDC  
CHECKED EJT



HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 2  
PARMLLY ROAD**

**LEGEND**















- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

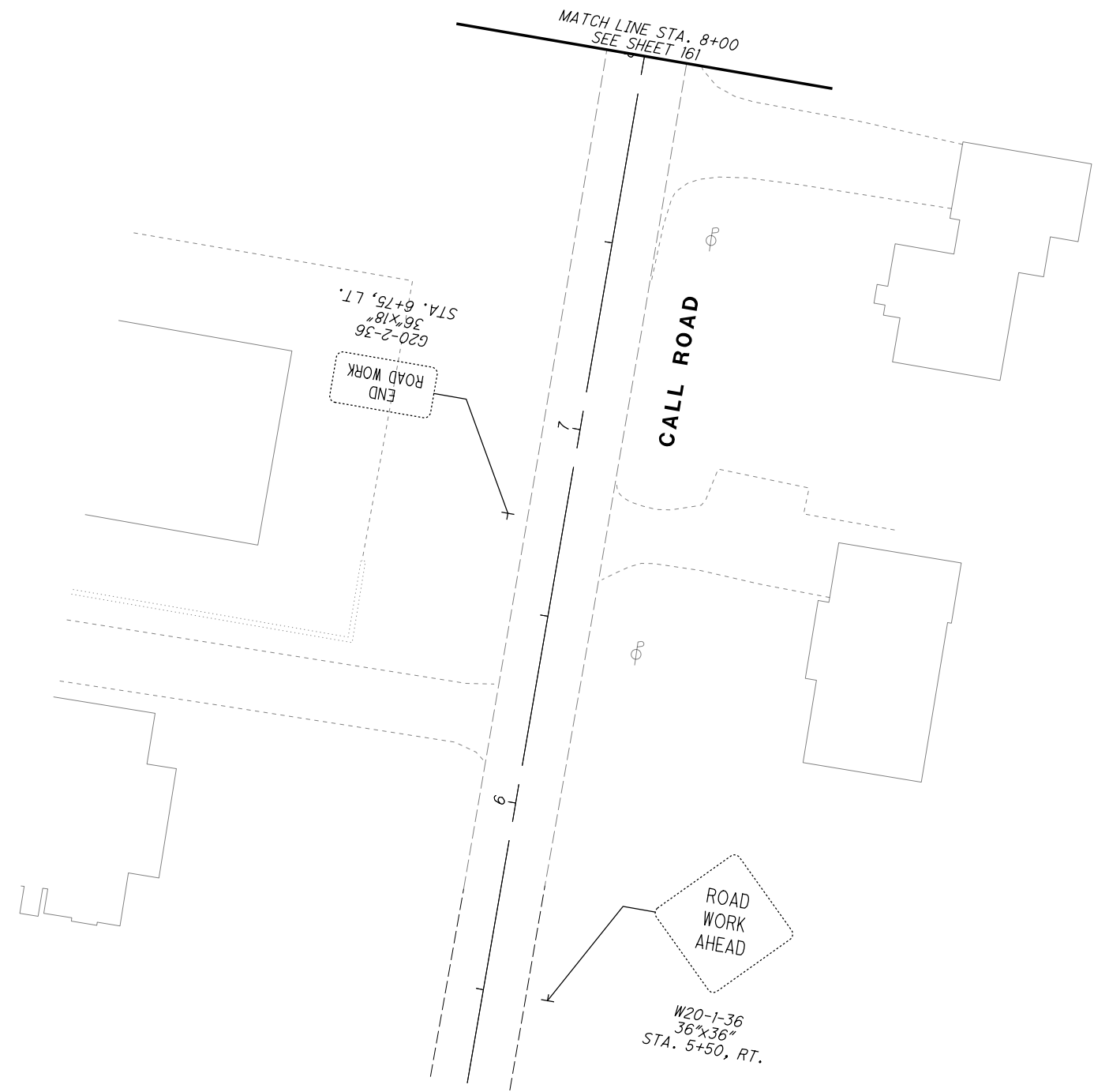
**LAK-US-20-19.59  
PART 1**

**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

**LEGEND**

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT		WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT		PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT		PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT		TRAFFIC FLOW



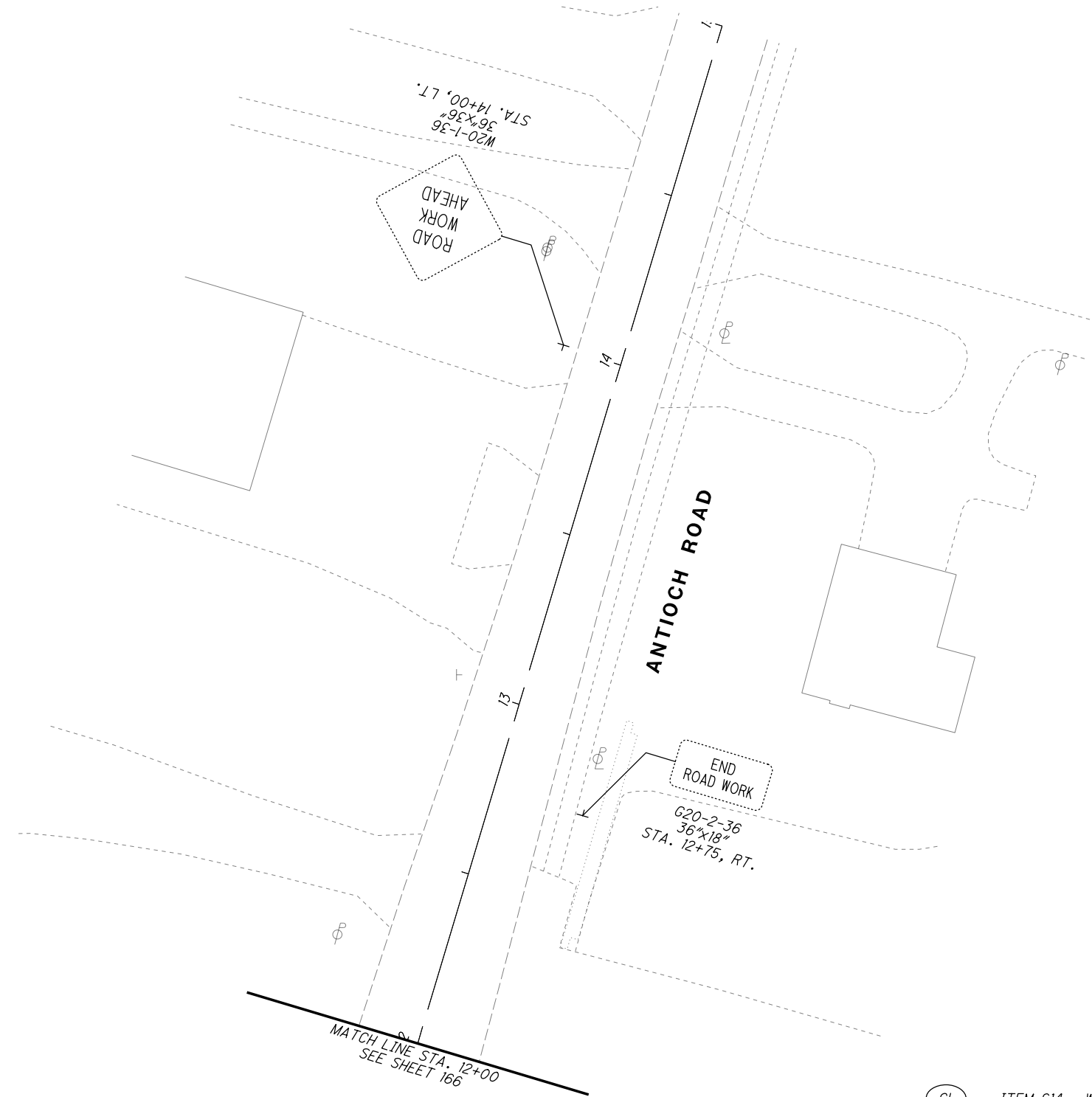
CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2  
CALL ROAD**




**LAK-US-20-19.59  
PART 1**

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MATCH LINE STA. 12+00  
SEE SHEET 166

**LEGEND**












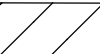


-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2  
ANTIOCH ROAD**

**LEGEND**




- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |















**LAK-US-20-19.59  
PART 1**

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
-  TRAFFIC FLOW



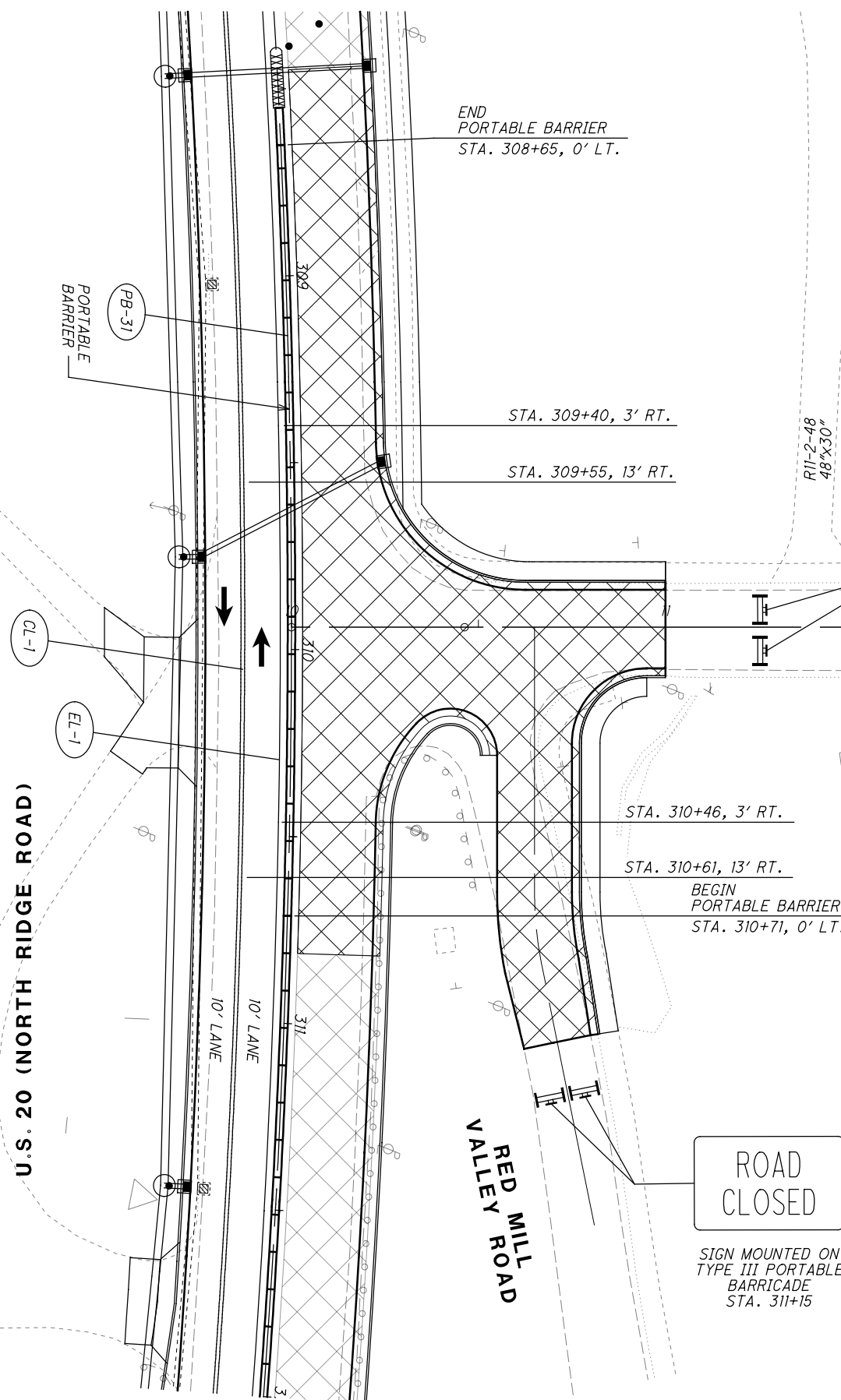
CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**TOWNLINE ROAD**

**LAK-US-20-19.59**  
**PART 1**

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**U.S. 20 (NORTH RIDGE ROAD)**



**RED MILL VALLEY ROAD**

**ROAD CLOSED**  
SIGN MOUNTED ON TYPE III PORTABLE BARRICADE STA. 311+15

R11-2-48  
48"x30"

**ROAD CLOSED**  
SIGN MOUNTED ON TYPE III PORTABLE BARRICADE STA. 11+25

R11-2-48  
48"x30"

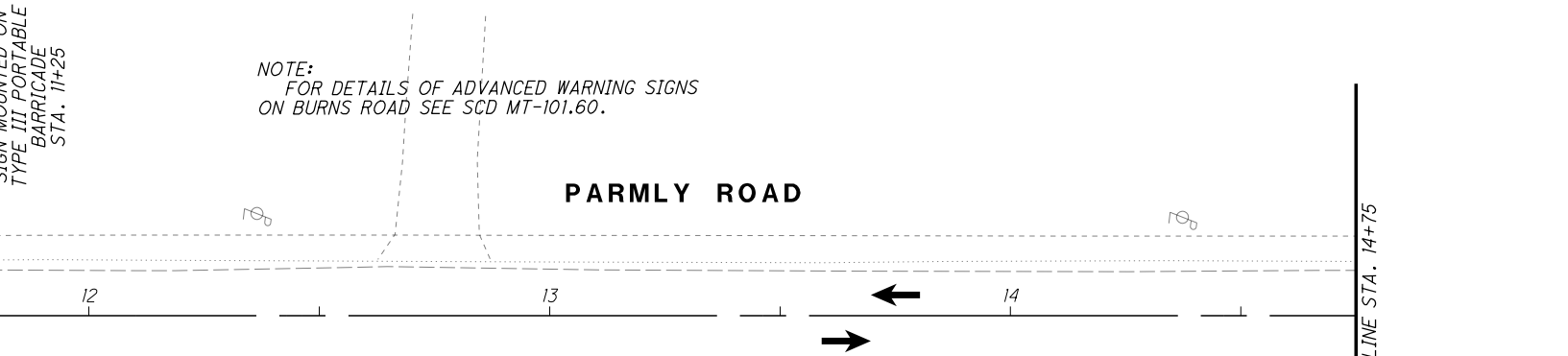
**NOTE:**  
THE CONTRACTOR SHALL BE ALLOWED TO CLOSE PARMLY ROAD AT STA. 309+94, LT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT PARMLY ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

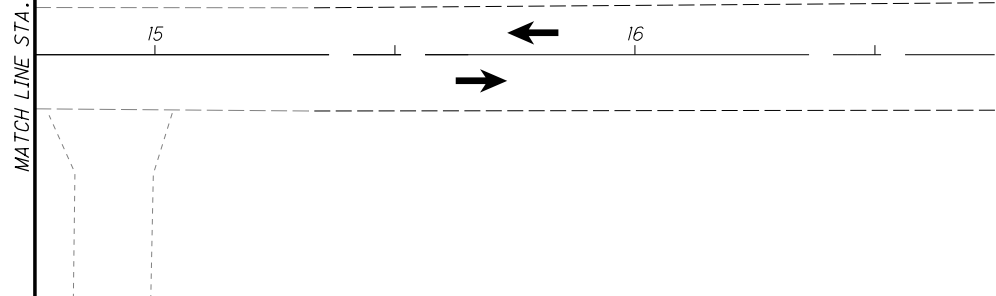
THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

CENTER ROAD STA. 280+03  
RED MILL VALLEY ROAD STA. 318+50  
FOR DETOUR ROUTE SEE SHEET 40.

MATCH LINE STA. 14+75



MATCH LINE STA. 14+75



**LEGEND**

- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- (X) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- (/) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- (→) TRAFFIC FLOW

**LEGEND**

- ( ) MAINTENANCE OF TRAFFIC SIGN
- ( ) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- ( ) EXISTING TRAFFIC SIGN

NOTE:  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE PARMLY ROAD AT STA. 309+94, LT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT PARMLY ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

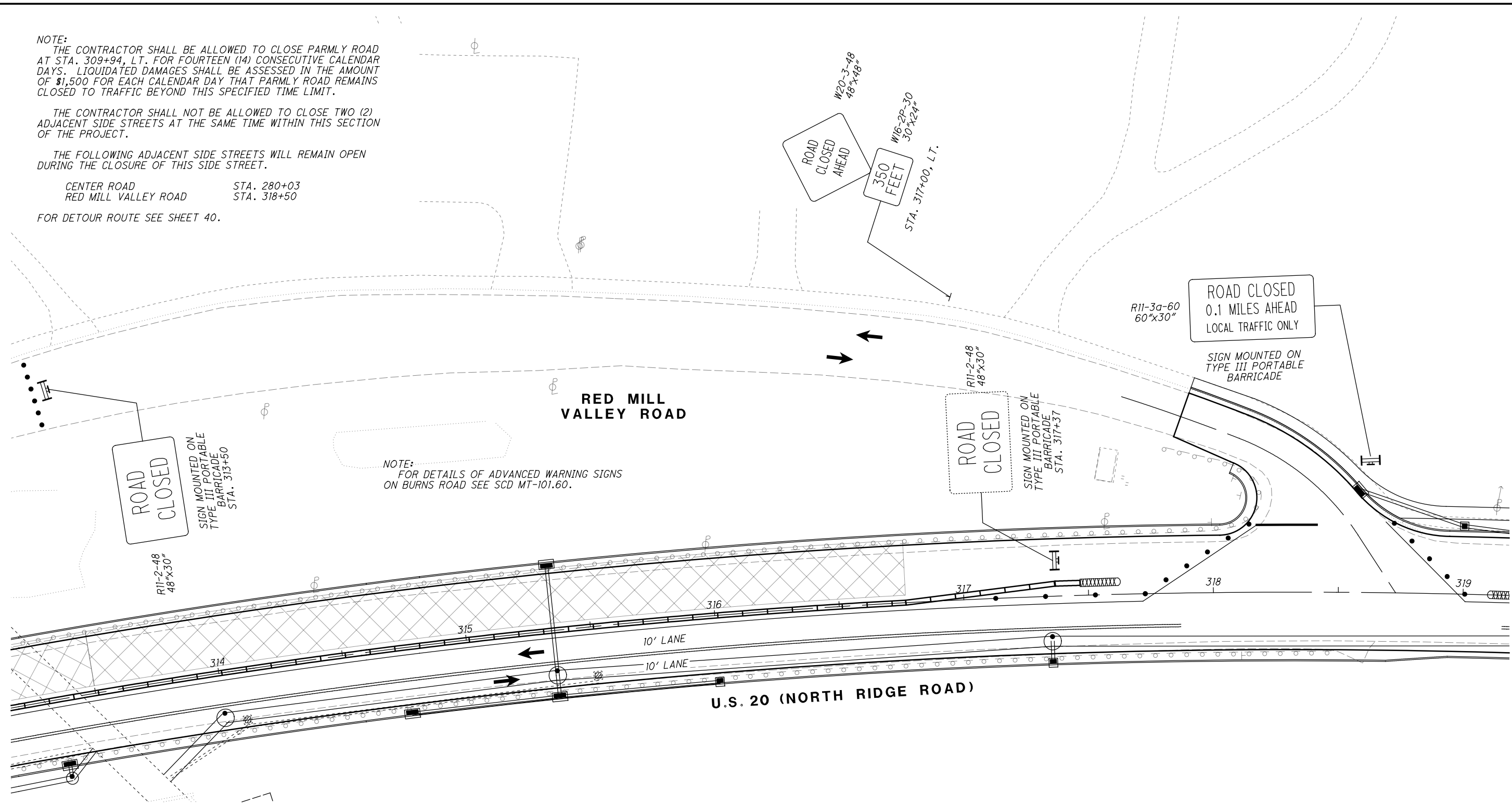
THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

CENTER ROAD STA. 280+03  
 RED MILL VALLEY ROAD STA. 318+50

FOR DETOUR ROUTE SEE SHEET 40.

NOTE:  
 FOR DETAILS OF ADVANCED WARNING SIGNS ON BURNS ROAD SEE SCD MT-101.60.

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**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE I
	TRAFFIC FLOW



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 CALCULATED JDC  
 CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 2**  
**RED MILL VALLEY ROAD**

**LAK-US-20-19.59**  
**PART 1**

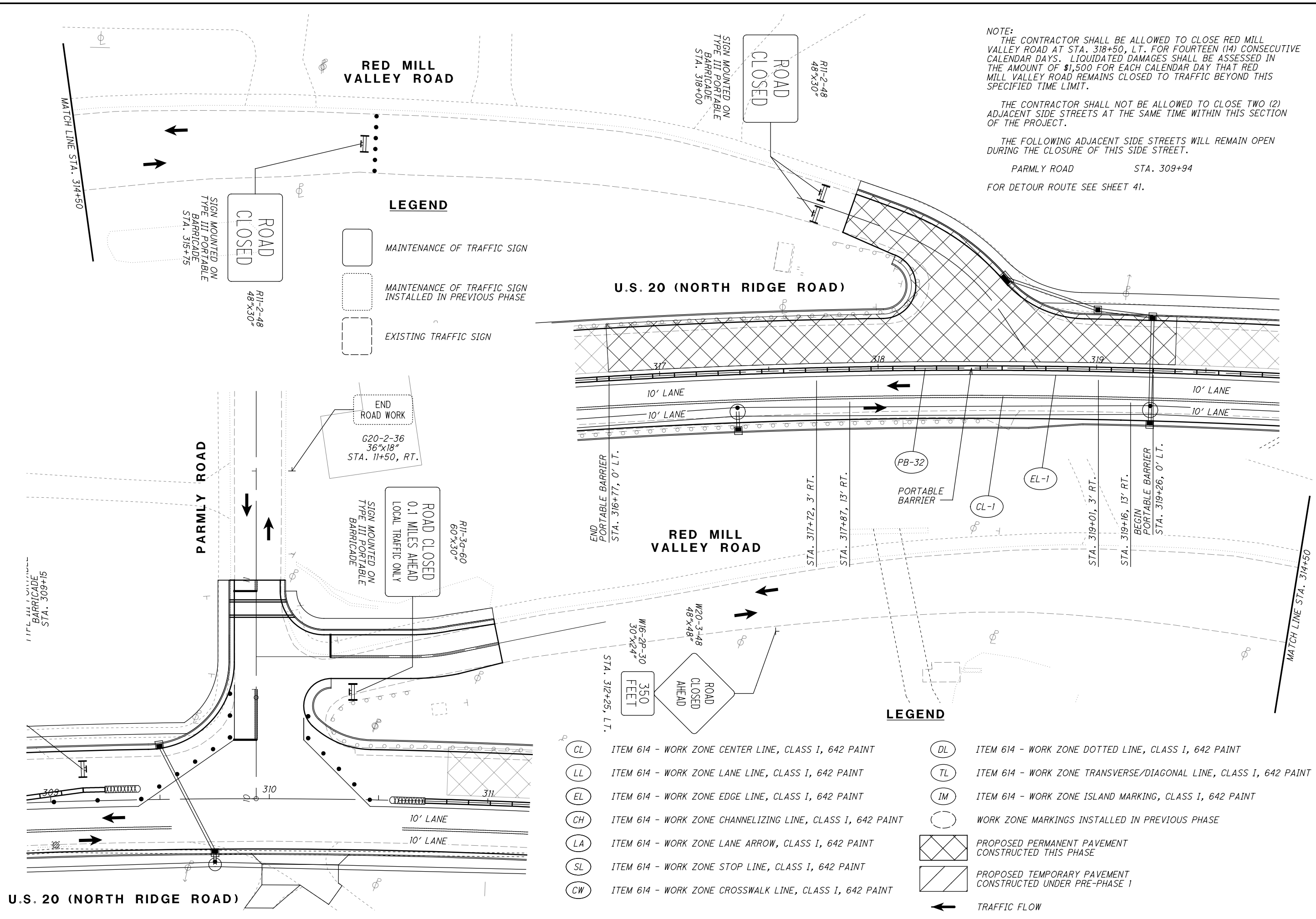
190  
1253

**NOTE:**  
THE CONTRACTOR SHALL BE ALLOWED TO CLOSE RED MILL VALLEY ROAD AT STA. 318+50, LT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT RED MILL VALLEY ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.




THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.















PARMLY ROAD STA. 309+94  
FOR DETOUR ROUTE SEE SHEET 41.



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
-  TRAFFIC FLOW

**U.S. 20 (NORTH RIDGE ROAD)**

**RED MILL VALLEY ROAD**

**U.S. 20 (NORTH RIDGE ROAD)**

**RED MILL VALLEY ROAD**

**PARMLY ROAD**

MATCH LINE STA. 314+50

MATCH LINE STA. 314+50

END ROAD WORK  
G20-2-36  
36"x18"  
STA. 11+50, RT.

ROAD CLOSED  
0.1 MILES AHEAD  
LOCAL TRAFFIC ONLY  
SIGN MOUNTED ON  
TYPE III PORTABLE  
BARRICADE

ROAD CLOSED  
AHEAD  
350 FEET  
SIGN MOUNTED ON  
TYPE III PORTABLE  
BARRICADE

ROAD CLOSED  
SIGN MOUNTED ON  
TYPE III PORTABLE  
BARRICADE  
STA. 318+00

ROAD CLOSED  
SIGN MOUNTED ON  
TYPE III PORTABLE  
BARRICADE  
STA. 315+75

R11-30-60  
80"x30"

R11-2-48  
48"x30"

R11-2-48  
48"x30"

END PORTABLE BARRIER  
STA. 316+77, 0' LT.

STA. 317+72, 3' RT.

STA. 317+87, 13' RT.

PB-32  
PORTABLE BARRIER

CL-1

EL-1

STA. 319+01, 3' RT.

STA. 319+16, 13' RT.

BEGIN PORTABLE BARRIER  
STA. 319+26, 0' LT.

BARRICADE  
STA. 309+15

309

310

311

STA. 312+25, LT.

W16-2P-30  
30"x24"

W20-3-48  
48"x48"

10' LANE

10' LANE

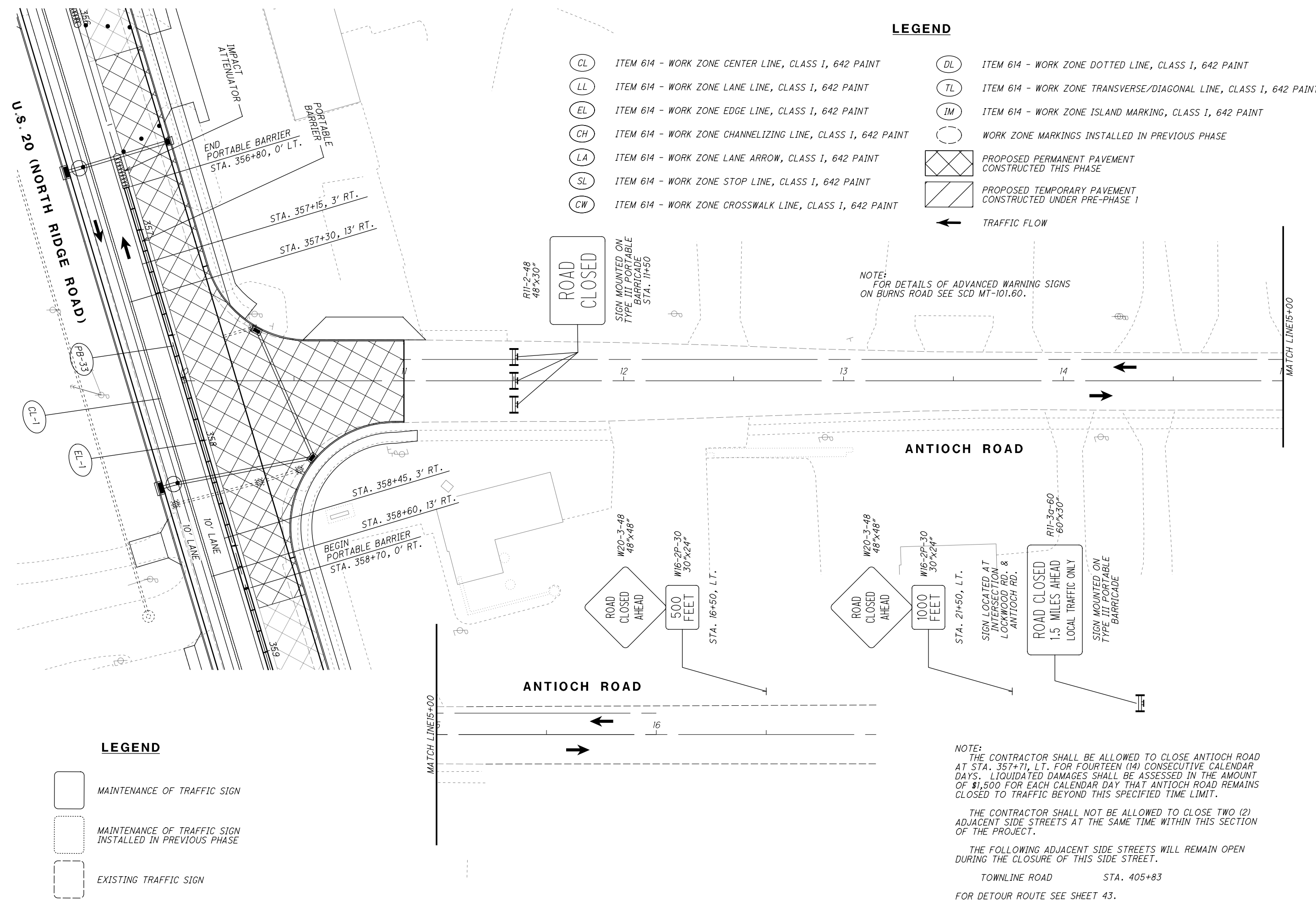
10' LANE

10' LANE

10' LANE

10' LANE

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**LEGEND**

- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- [X] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- [ / ] PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 1
- ← TRAFFIC FLOW

- LEGEND**
- [ ] MAINTENANCE OF TRAFFIC SIGN
  - [ ] MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  - [ ] EXISTING TRAFFIC SIGN

NOTE:  
FOR DETAILS OF ADVANCED WARNING SIGNS  
ON BURNS ROAD SEE SCD MT-101.60.

NOTE:  
THE CONTRACTOR SHALL BE ALLOWED TO CLOSE ANTIOCH ROAD  
AT STA. 357+71, LT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR  
DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT  
OF \$1,500 FOR EACH CALENDAR DAY THAT ANTIOCH ROAD REMAINS  
CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2)  
ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION  
OF THE PROJECT.

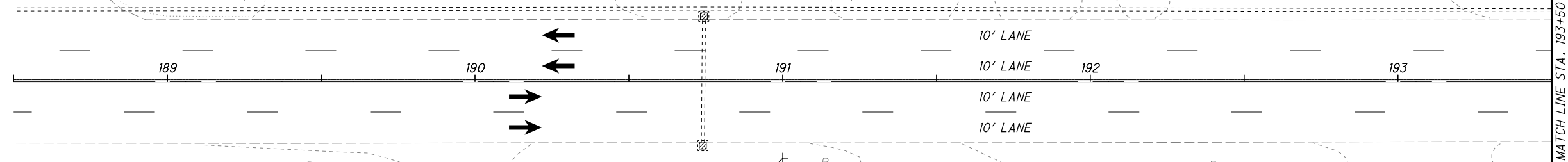
THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN  
DURING THE CLOSURE OF THIS SIDE STREET.

TOWNLIN ROAD STA. 405+83  
FOR DETOUR ROUTE SEE SHEET 43.

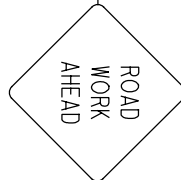
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**BLACKMORE ROAD**




**U.S. 20 (NORTH RIDGE ROAD)**















W20-1-36  
36'x36'  
STA. 191+00, RT.



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  TRAFFIC FLOW  |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |   |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |   |

**LEGEND**

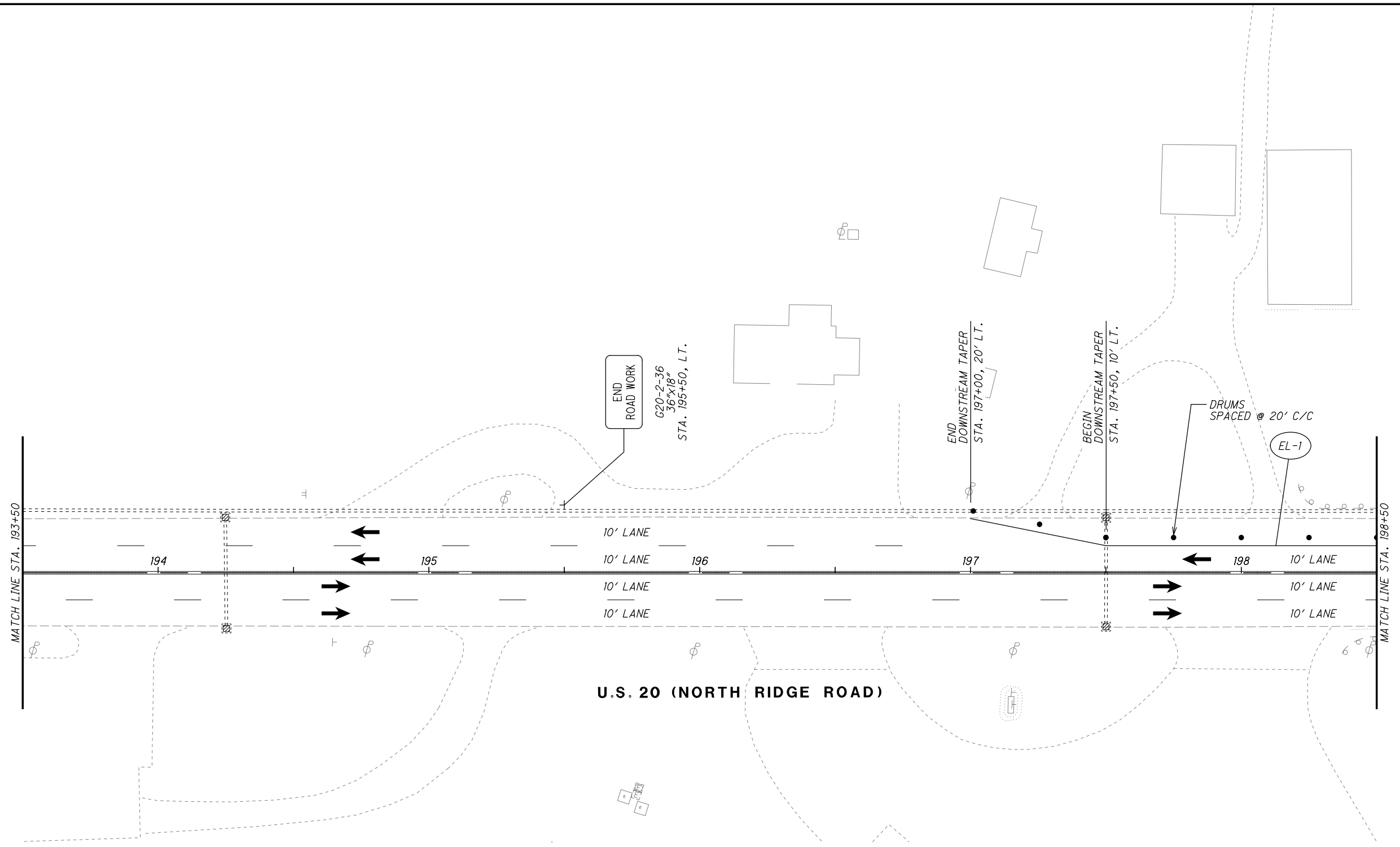


CALCULATED JDC  
CHECKED EJT




**LAK-US-20-19.59**  
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 3**  
**CULVERT STA. 199+57.52**

**PART 1**













192  
1253



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  TRAFFIC FLOW  |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |   |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |   |

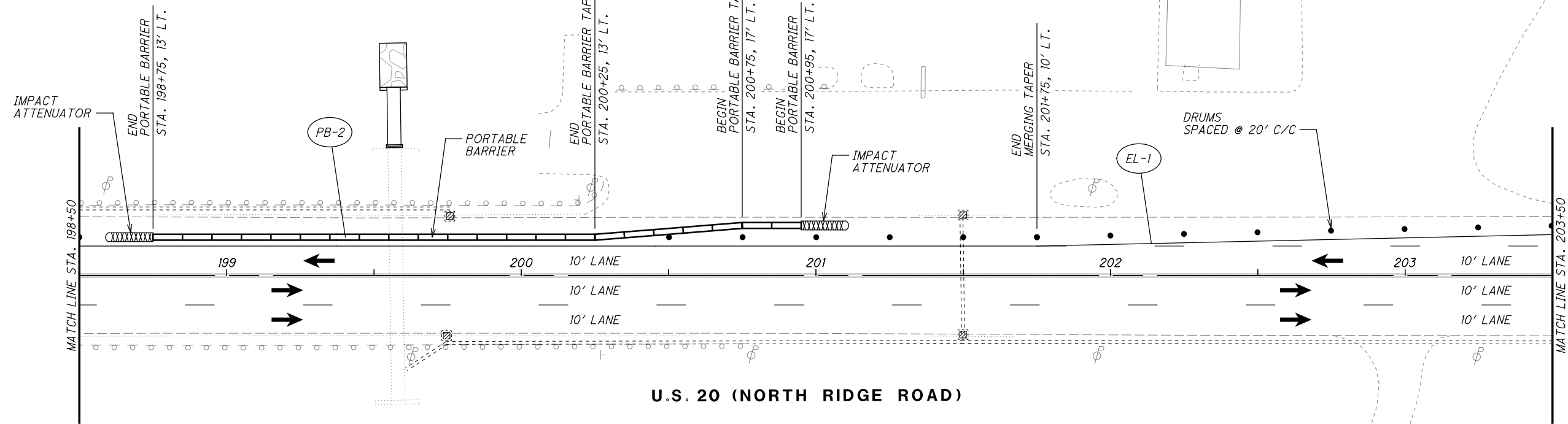
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CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 3**  
**CULVERT STA. 199+57.52**

**LAK-US-20-19.59**  
**PART 1**



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
| ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | TRAFFIC FLOW  |
| ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |   |
| ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |   |

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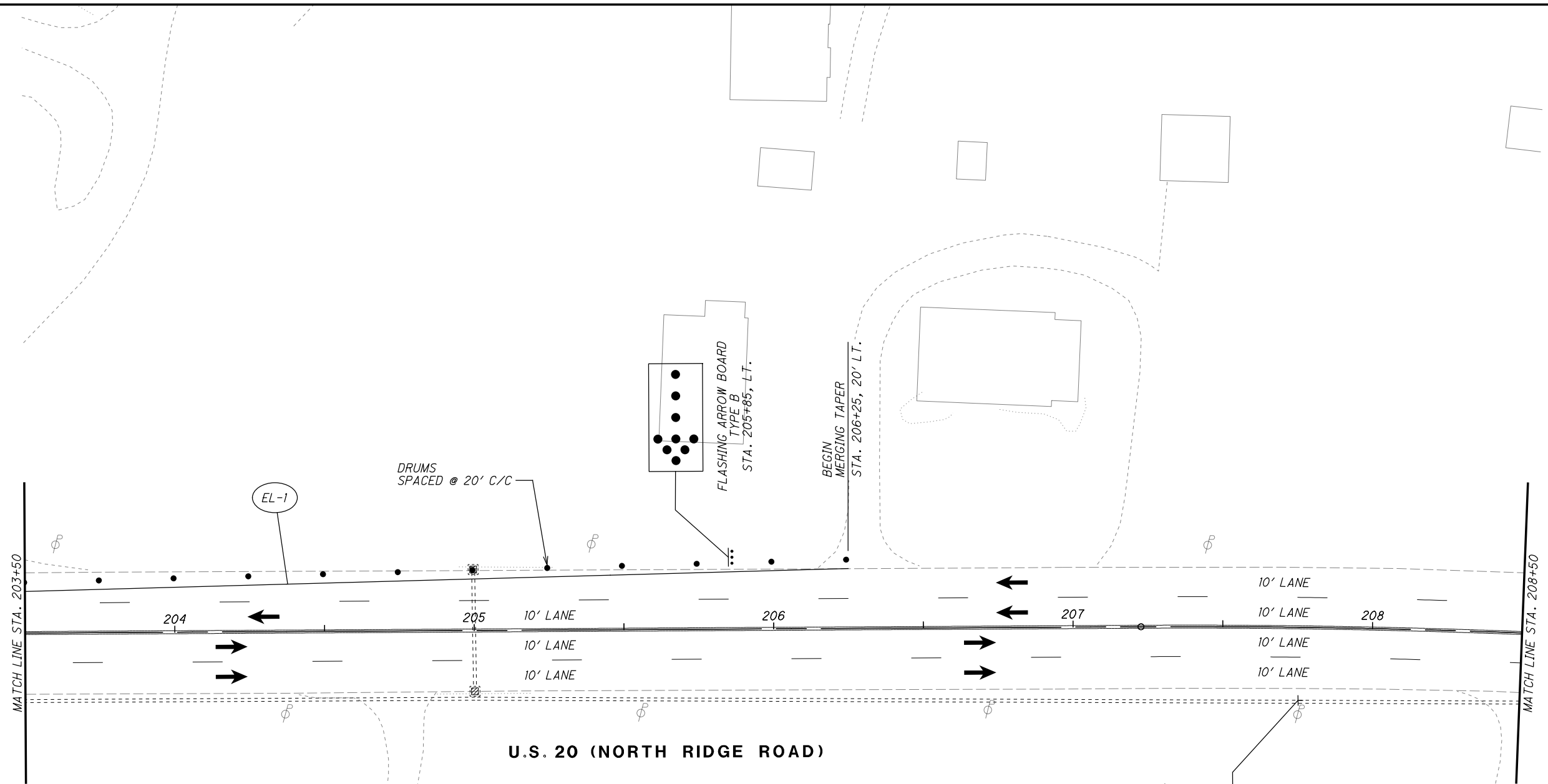
CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 3**  
**CULVERT STA. 199+57.52**

**LAK-US-20-19.59**  
**PART 1**

195  
1253



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

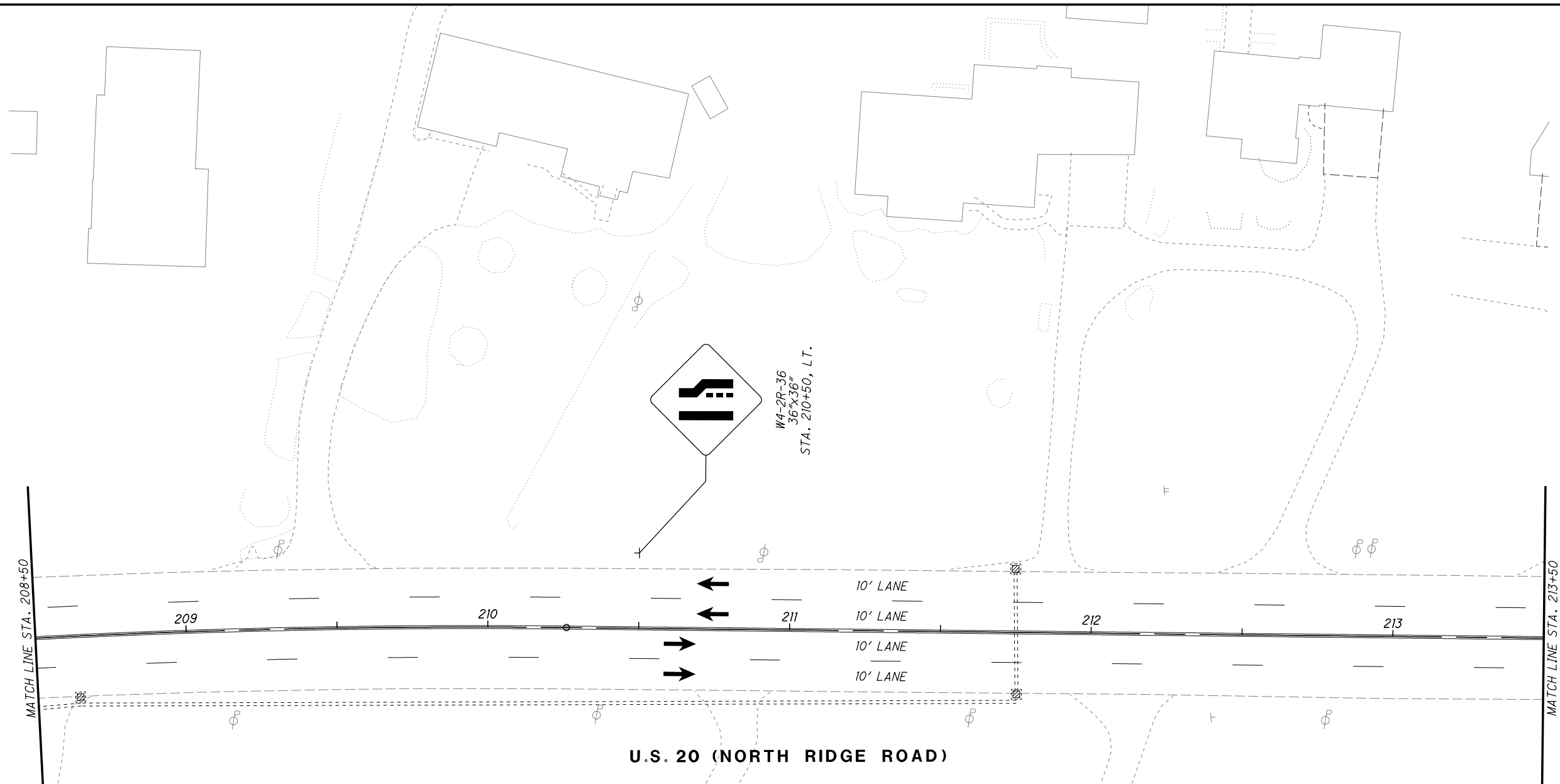
- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- TRAFFIC FLOW

END ROAD WORK  
G20-2-36  
36"x18"  
STA. 207+75, RT.




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


**U.S. 20 (NORTH RIDGE ROAD)**

W4-2R-36  
36" X 36"  
STA. 210+50, LT.



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |  |  |   |
|--|--|--|---|
|  CL | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  DL | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  LL | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  TL | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  EL | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  IM | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  CH | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |     | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  LA | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |     | TRAFFIC FLOW  |
|  SL | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  |   |
|  CW | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  |   |

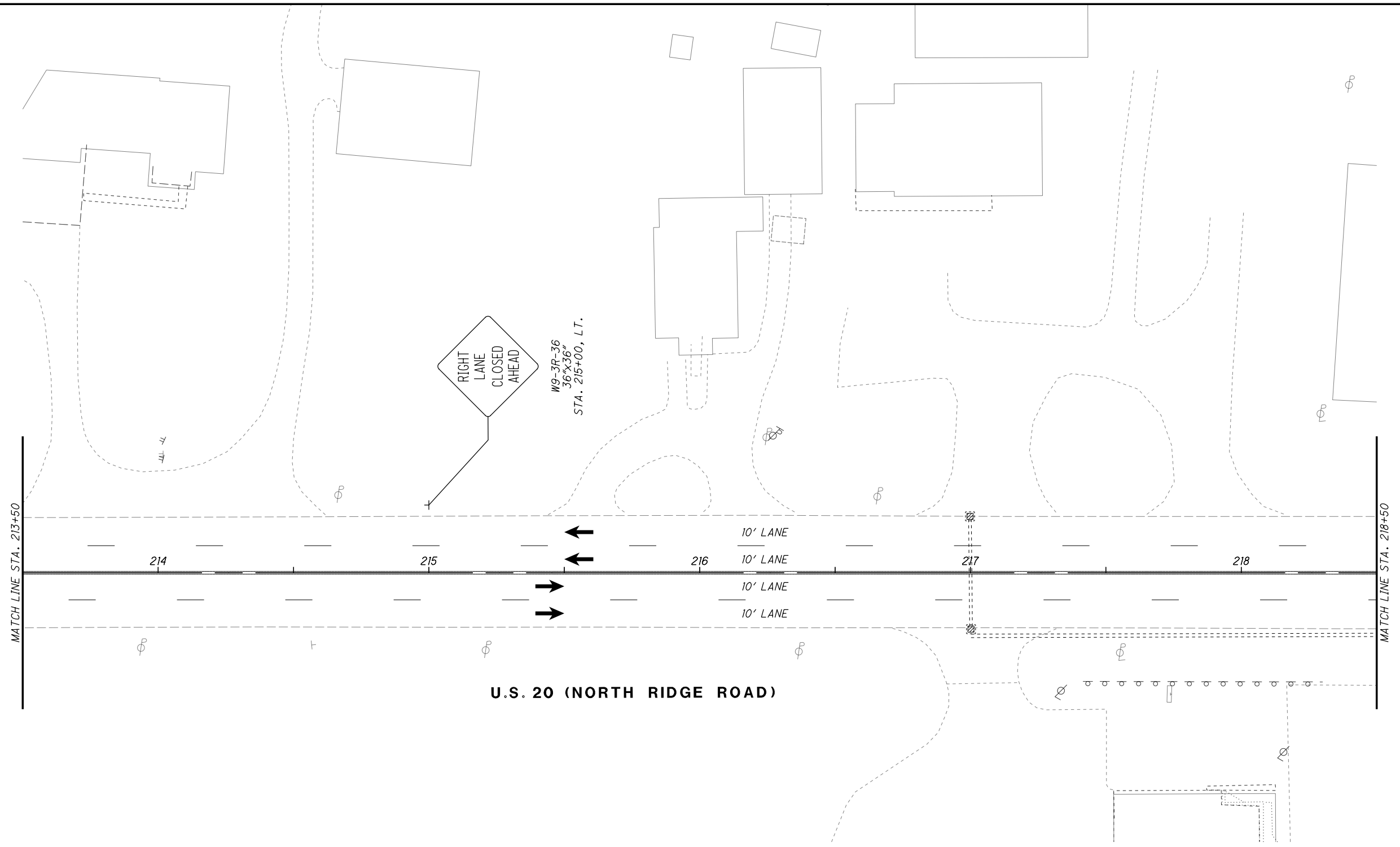
CALCULATED JDC  
CHECKED EJT




HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59**  
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 3**  
**CULVERT STA. 199+57.52**













**PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  TRAFFIC FLOW  |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |   |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |   |

**U.S. 20 (NORTH RIDGE ROAD)**

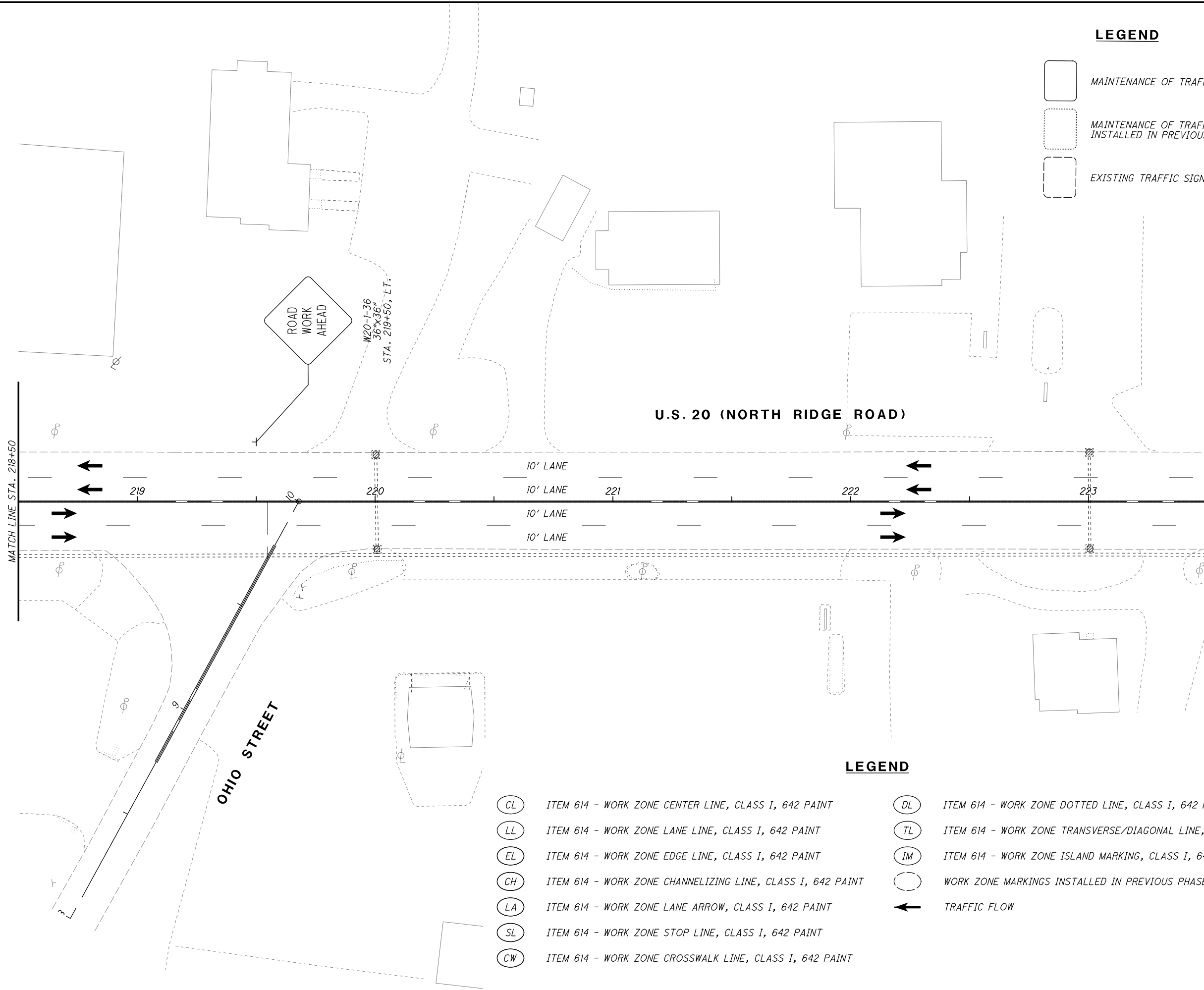
W9-3R-36  
 36"x36"  
 STA. 215+00, L.T.

RIGHT  
 LANE  
 CLOSED  
 AHEAD




MATCH LINE STA. 213+50

MATCH LINE STA. 218+50

















**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |  |  |   |
|--|--|--|---|
|  CL | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  DL | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  LL | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  TL | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  EL | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  IM | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  CH | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |     | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  LA | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |     | TRAFFIC FLOW  |
|  SL | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  |   |
|  CW | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  |   |

CALCULATED JDC  
CHECKED EJT




HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59**  
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 3**  
**CULVERT STA. 199+57.52**

**PART 1**

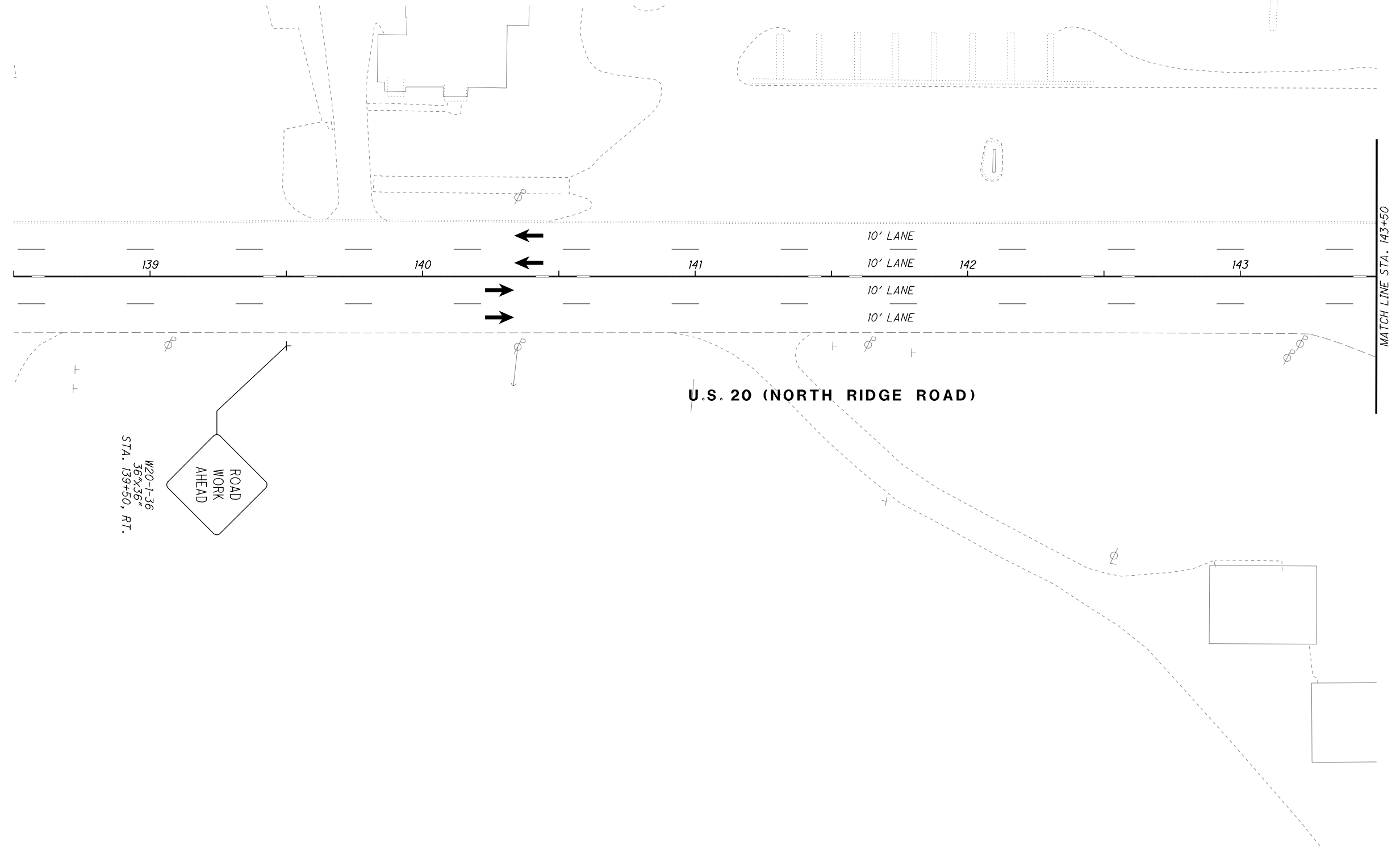
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- LEGEND**
- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
  - (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
  - (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
  - (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
  - (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
  - (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
  - (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
  - (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
  - (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
  - (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
  - ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
  - [X] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
  - [ / ] PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
  - ← TRAFFIC FLOW

- LEGEND**
- [ ] MAINTENANCE OF TRAFFIC SIGN
  - [ ] MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  - [ ] EXISTING TRAFFIC SIGN

CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET



**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
STA. 138+50 TO STA. 143+50

**LAK-US-20-19.59**  
**PART 1**

199  
1253

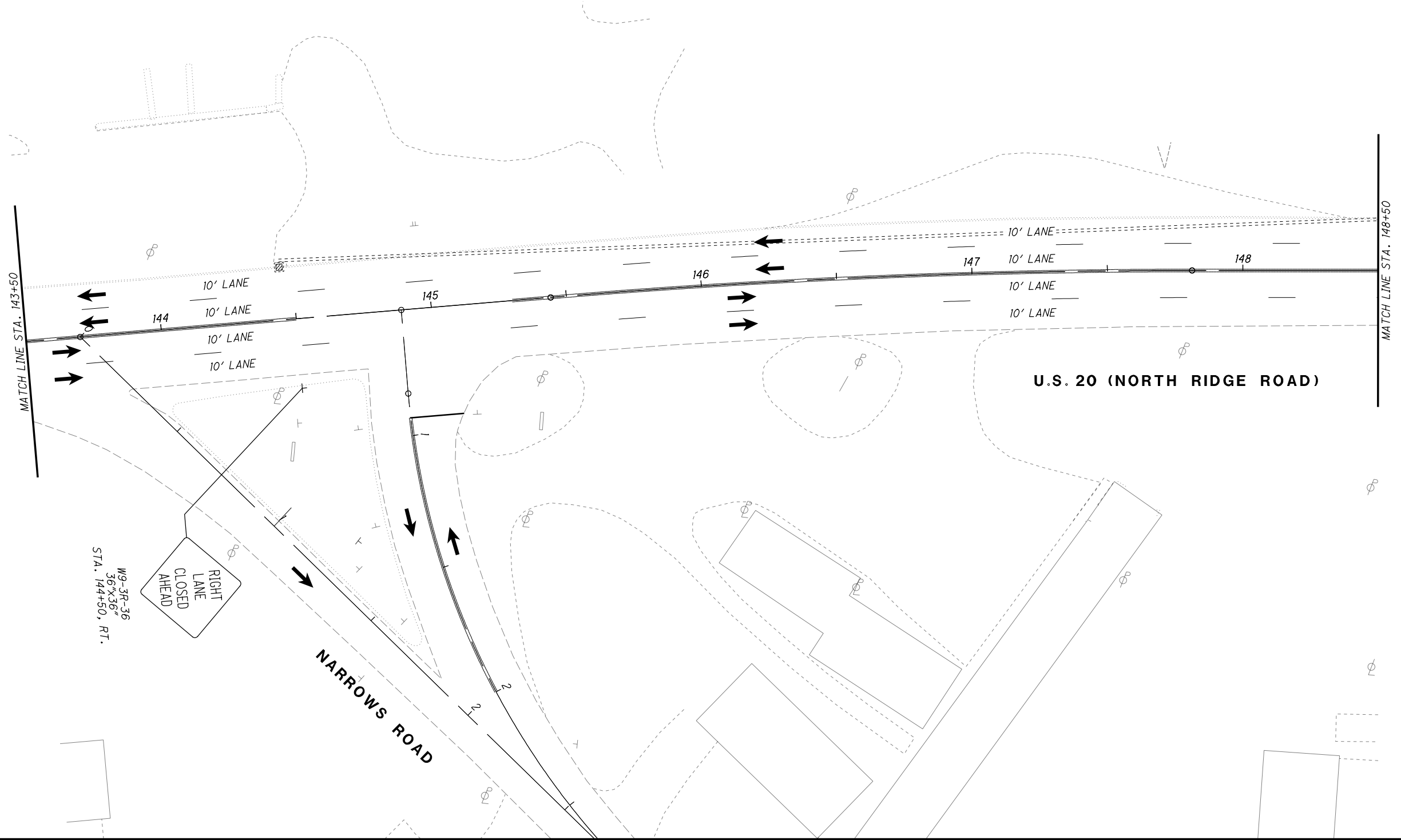
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- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

- LEGEND**
- (Solid Box) MAINTENANCE OF TRAFFIC SIGN
  - (Dashed Box) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  - (Dotted Box) EXISTING TRAFFIC SIGN

CALCULATED JDC  
CHECKED EUT

HORIZONTAL SCALE IN FEET



**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 143+50 TO STA. 148+50**

**LAK-US-20-19.59**  
**PART 1**

200  
1253

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CALCULATED JDC  
CHECKED EJT

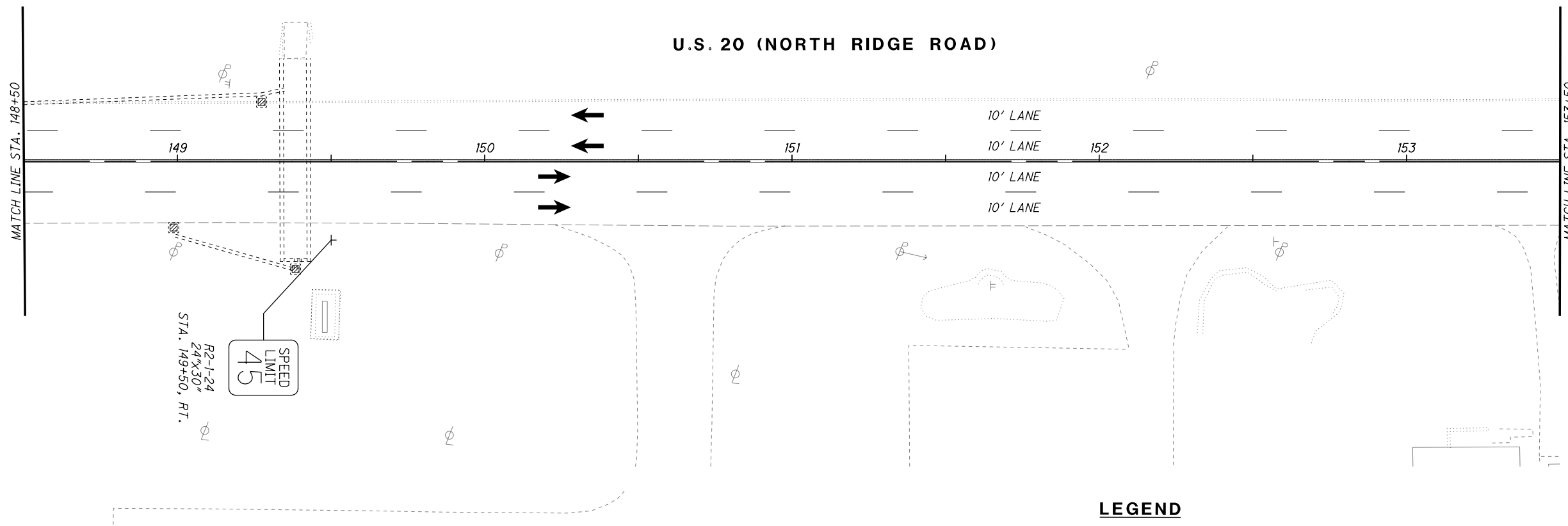
0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 148+50 TO STA. 153+50**

**LAK-US-20-19.59**  
**PART 1**

201  
1253

**U.S. 20 (NORTH RIDGE ROAD)**



**LEGEND**




- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

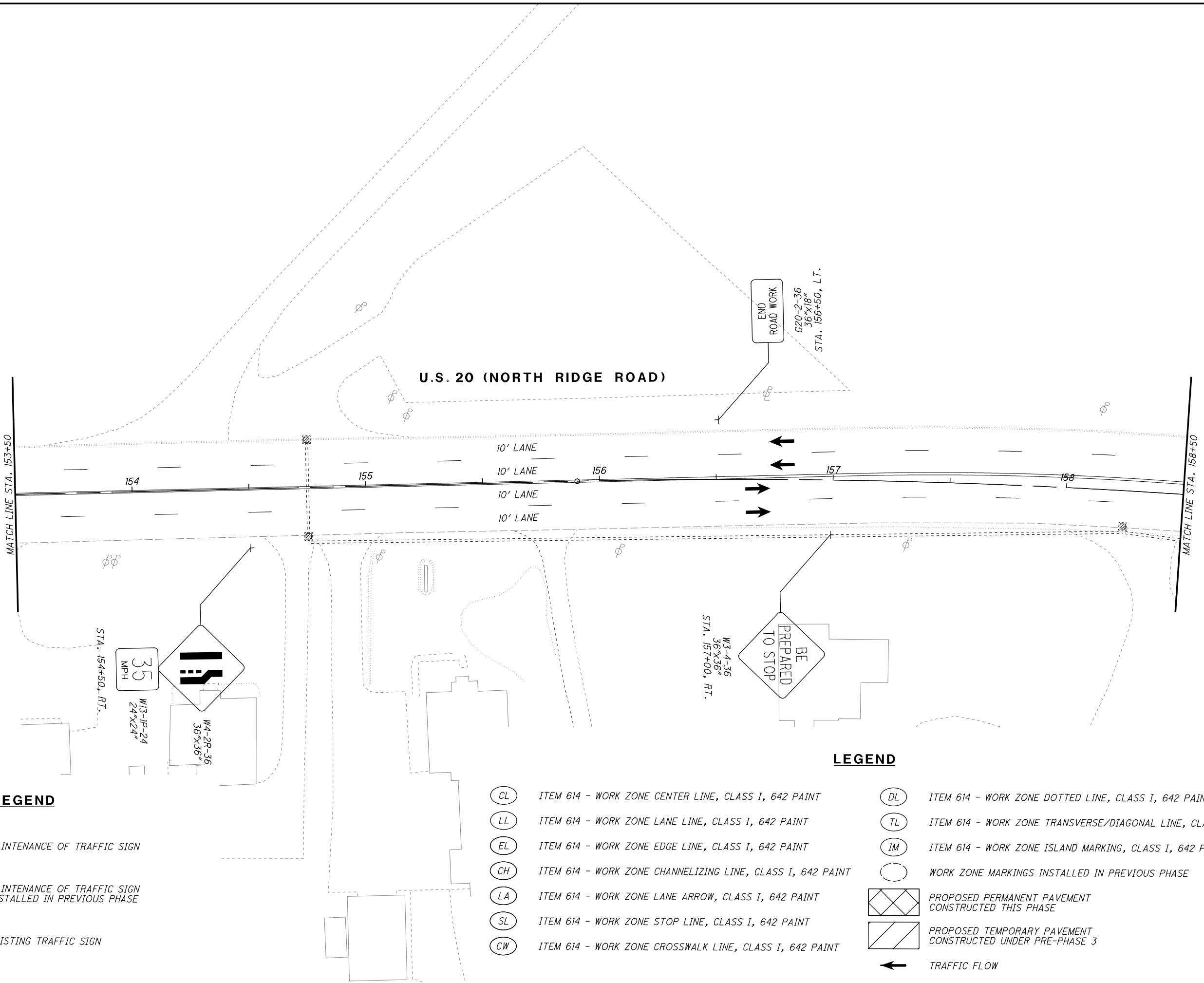
- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**












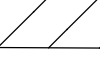


- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN



**LEGEND**

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT		WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT		PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT		PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT		TRAFFIC FLOW

**LAK-US-20-19.59**

**PART 1**

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**

**STA. 153+50 TO STA. 158+50**

CALCULATED  
JDC

CHECKED  
EJT




HORIZONTAL  
SCALE IN FEET

202

1253

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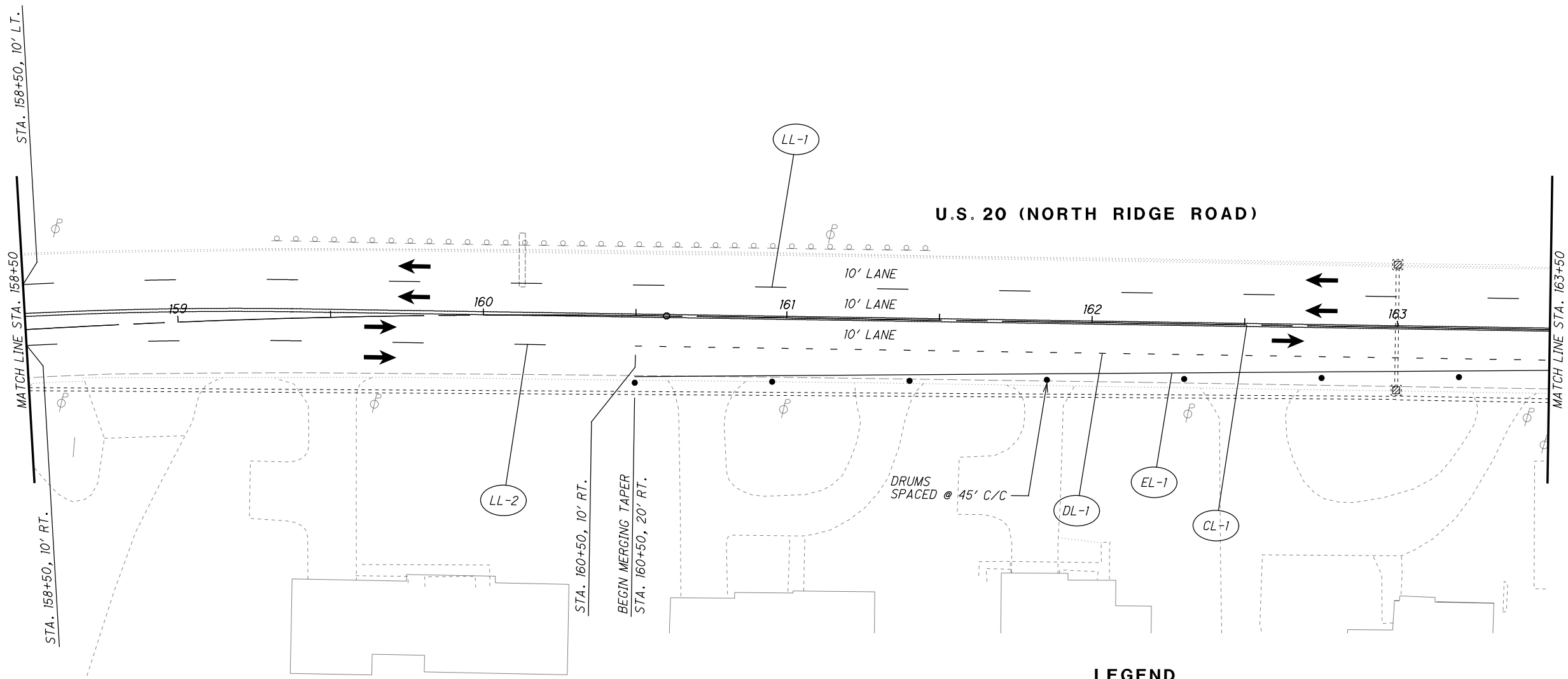
CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 158+50 TO STA. 163+50**

**LAK-US-20-19.59**  
**PART 1**

203  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

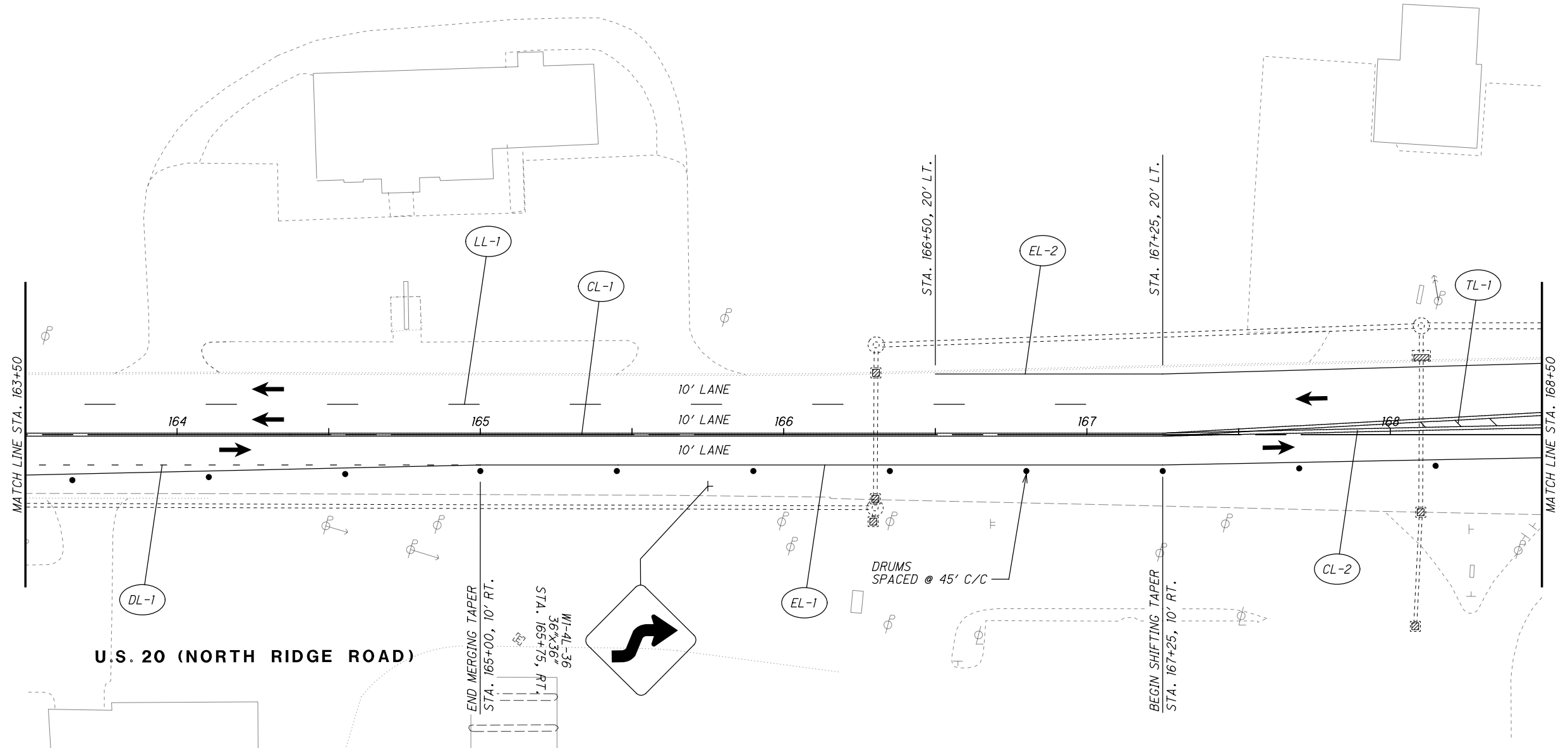
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CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 163+50 TO STA. 168+50**

**LAK-US-20-19.59**  
**PART 1**



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW




END MERGING TAPER  
STA. 165+00, 10' RT.  
W1-4L-36  
36"x36"  
STA. 165+75, RT.

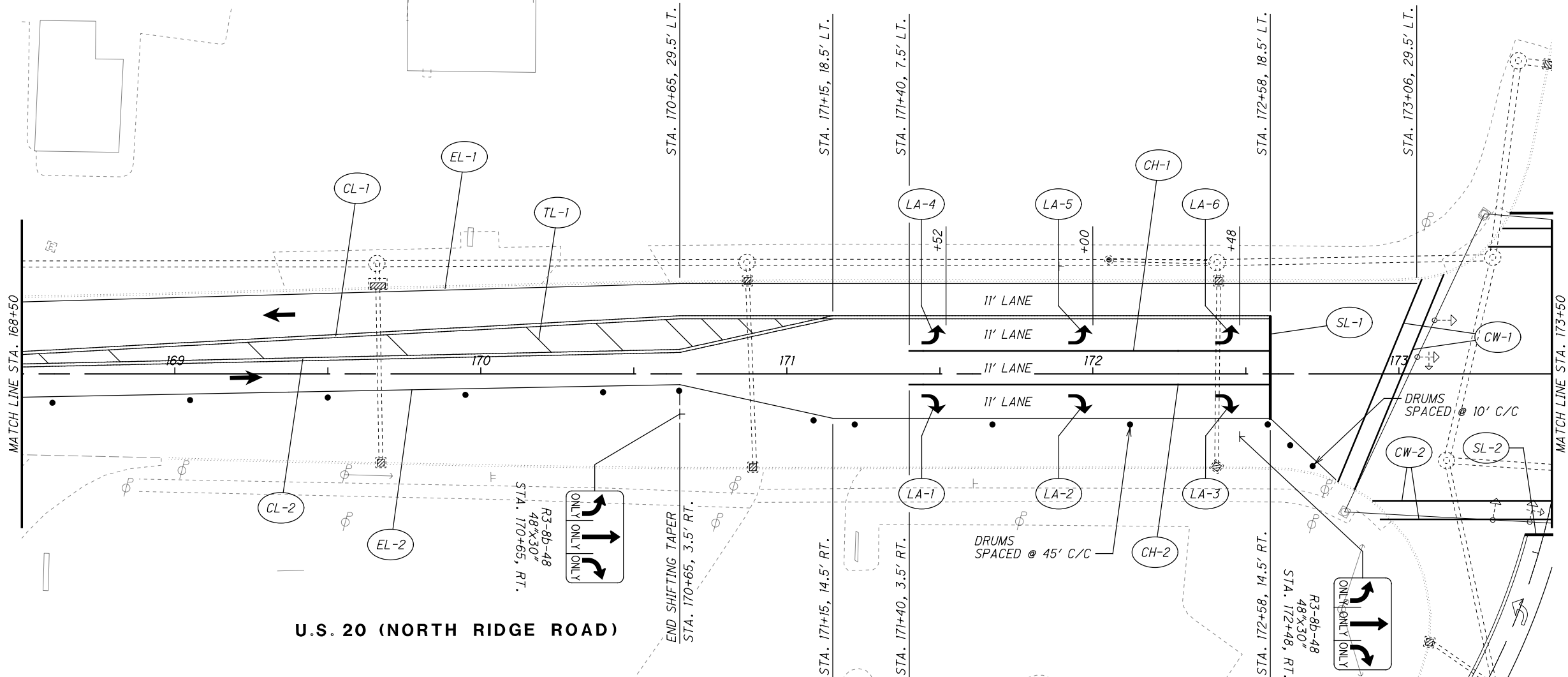
DRUMS  
SPACED @ 45' C/C

BEGIN SHIFTING TAPER  
STA. 167+25, 10' RT.

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




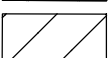


**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



CALCULATED JDC CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3  
STA. 168+50 TO STA. 173+50**

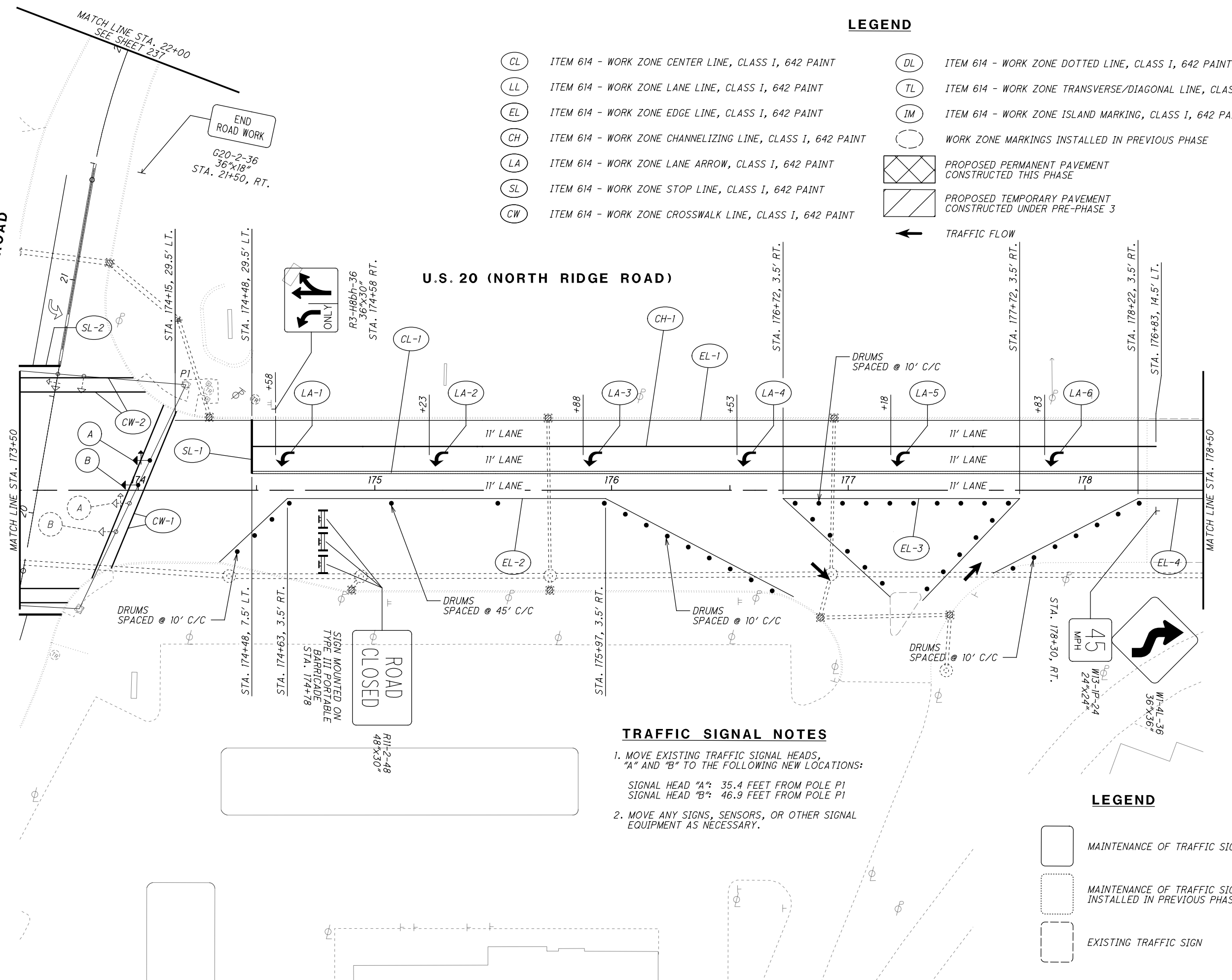
**LAK-US-20-19.59  
PART 1**

205  
1253



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LANE ROAD



**LEGEND**

- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- (X) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- (/) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3

← TRAFFIC FLOW



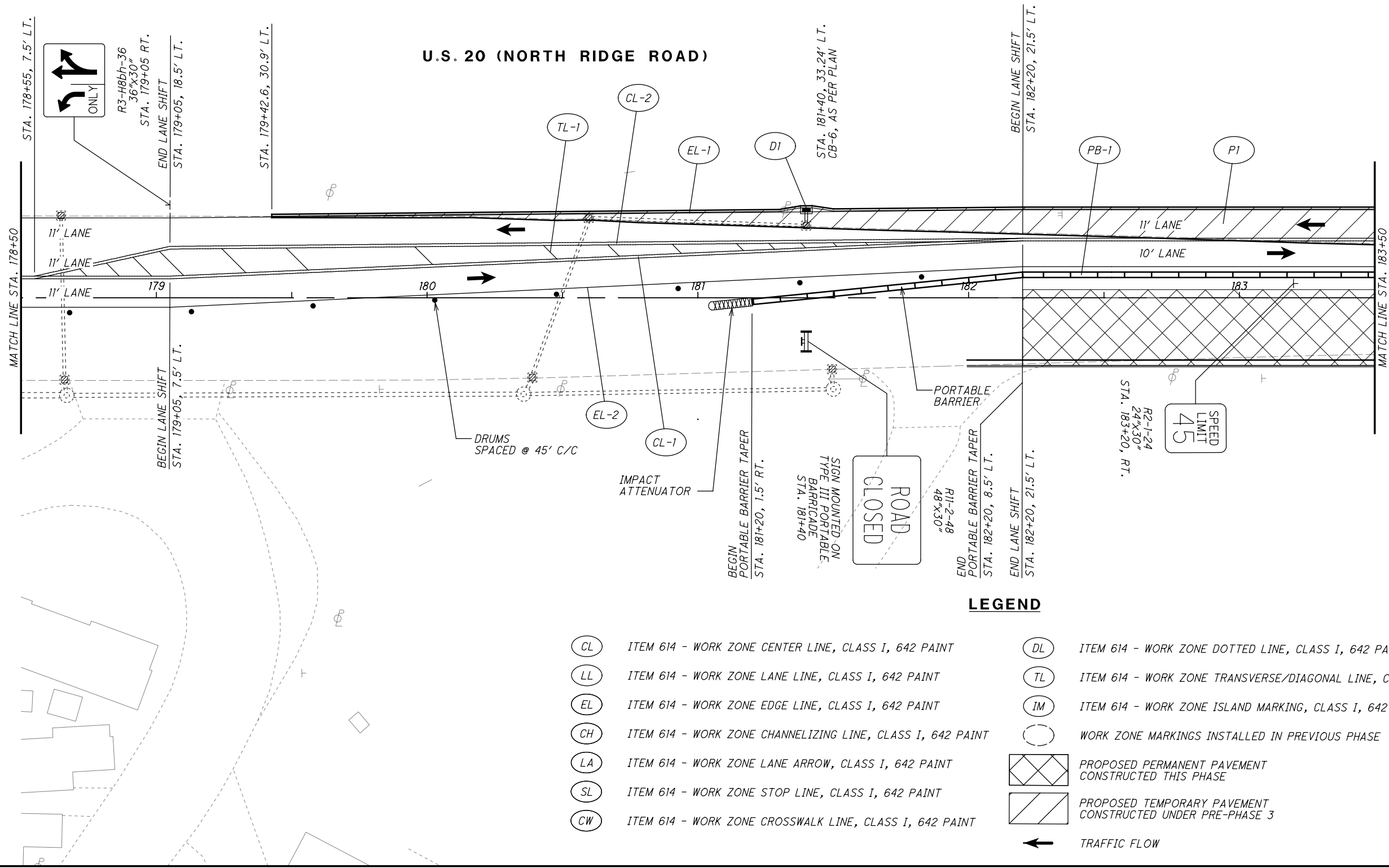
**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 173+50 TO STA. 178+50**

**LEGEND**

- ( ) MAINTENANCE OF TRAFFIC SIGN
- ( ) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- ( ) EXISTING TRAFFIC SIGN




**LAK-US-20-19.59**  
**PART 1**

206  
1253












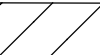




**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3  
STA. 178+50 TO STA. 183+50**

**LAK-US-20-19.59  
PART 1**

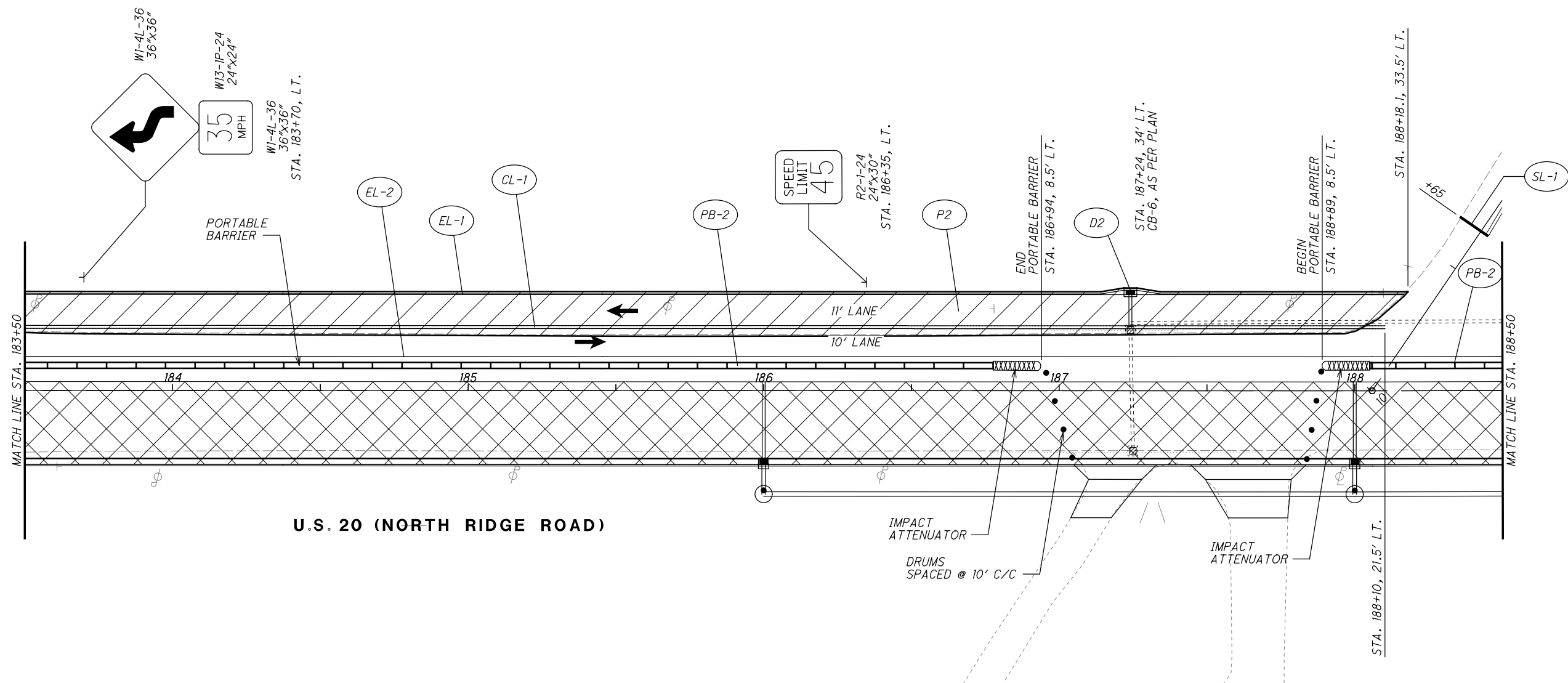
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CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 183+50 TO STA. 188+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

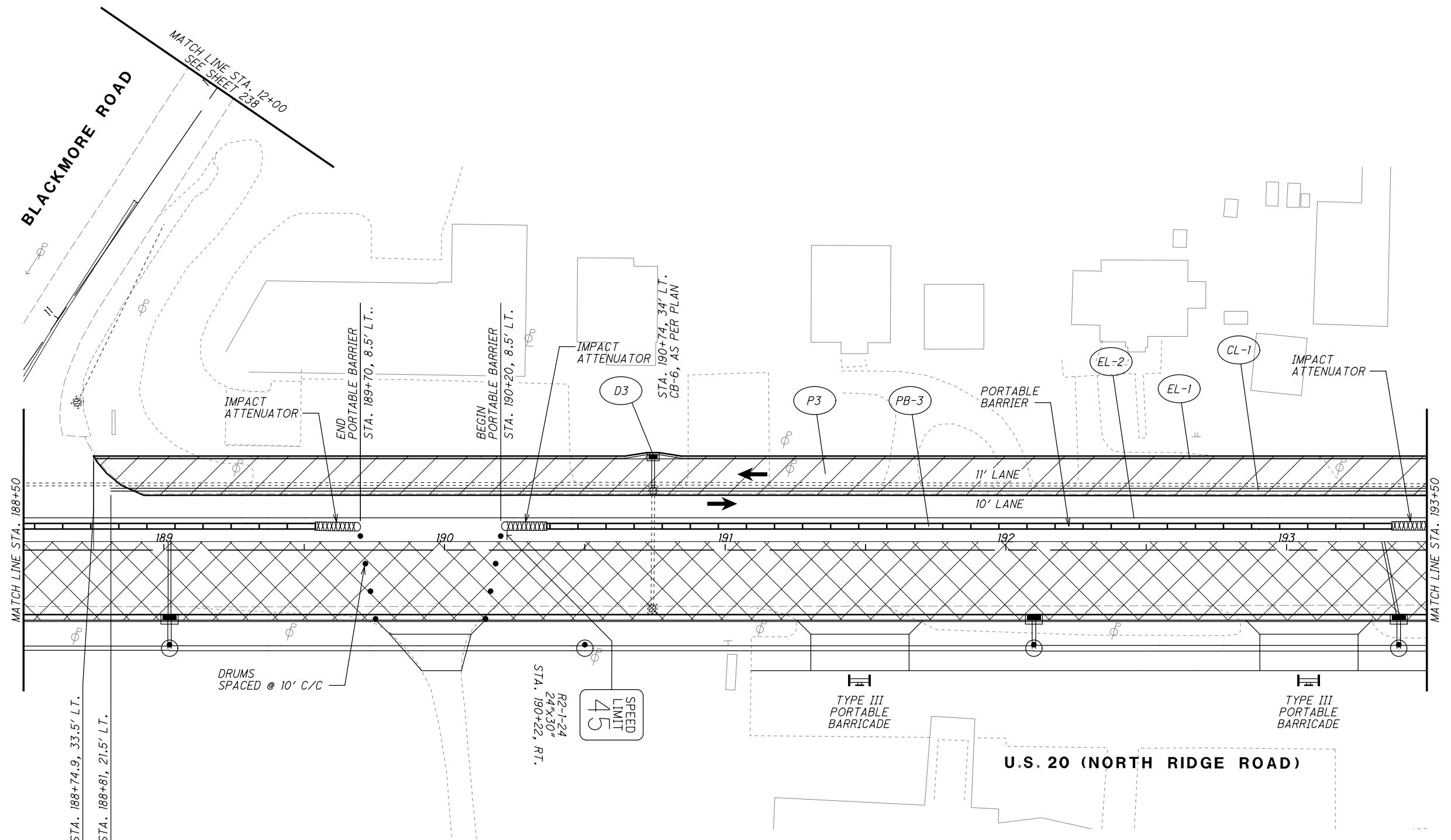
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CALCULATED JDC CHECKED EJT

0 20 40  
10' HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 188+50 TO STA. 193+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

**LEGEND**

SPEED LIMIT  
45

R2-1-24  
24"x30"  
STA. 190+22, RT.

DRUMS  
SPACED @ 10' C/C

STA. 188+74.9, 33.5' LT.  
STA. 188+81, 21.5' LT.

MATCH LINE STA. 188+50

MATCH LINE STA. 193+50

MATCH LINE STA. 192+00  
SEE SHEET 238

BLACKMORE ROAD

U.S. 20 (NORTH RIDGE ROAD)

END PORTABLE BARRIER  
STA. 189+70, 8.5' LT.

BEGIN PORTABLE BARRIER  
STA. 190+20, 8.5' LT.

IMPACT ATTENUATOR

STA. 190+74, 34' LT.  
CB-6, AS PER PLAN

PORTABLE BARRIER

IMPACT ATTENUATOR

EL-2

EL-1

CL-1

P3

PB-3

D3

189

190

191

192

193

11' LANE  
10' LANE

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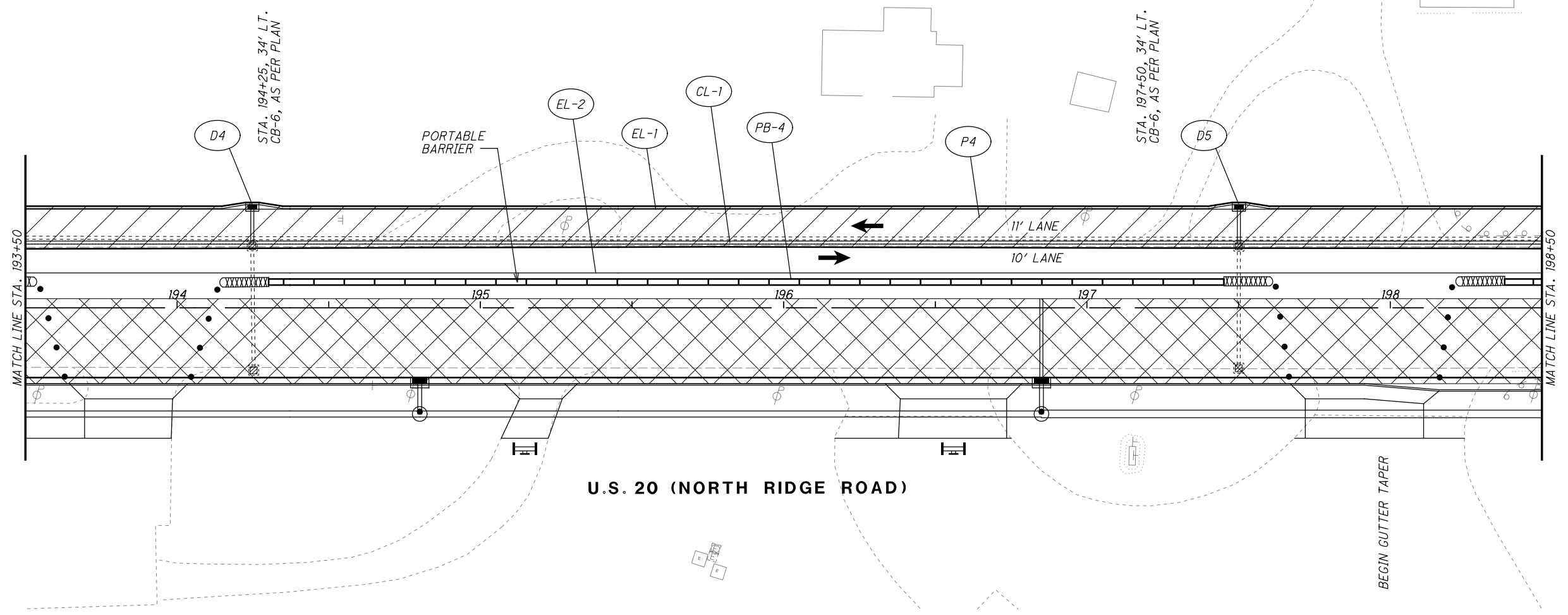
CALCULATED JDC CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 193+50 TO STA. 198+50**

**LAK-US-20-19.59**  
**PART 1**

210  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

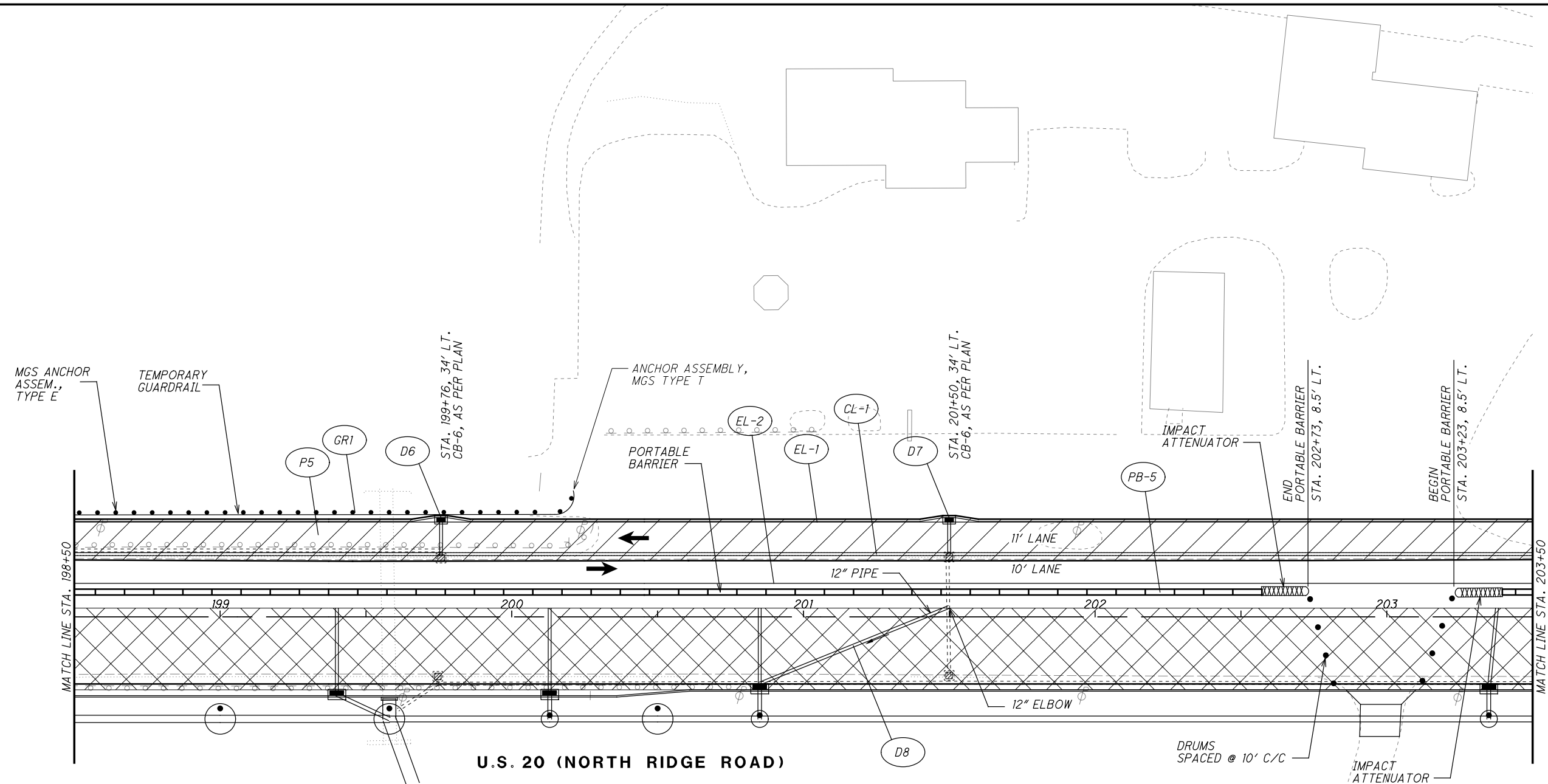
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CALCULATED  
JDC  
CHECKED  
EJT

0 20 40  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 198+50 TO STA. 203+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

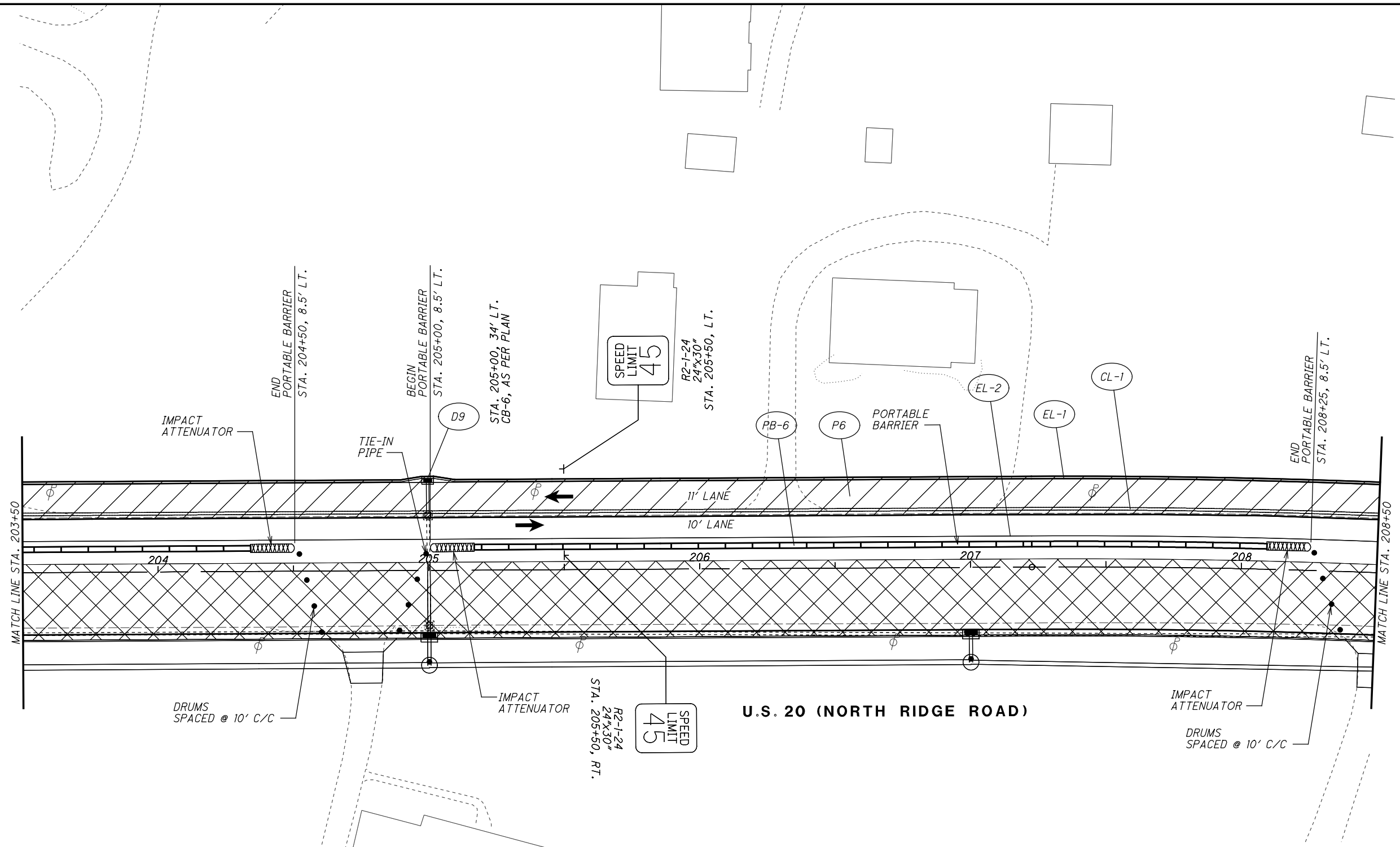
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

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CALCULATED JDC  
 CHECKED EJT  
 0 10 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 203+50 TO STA. 208+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

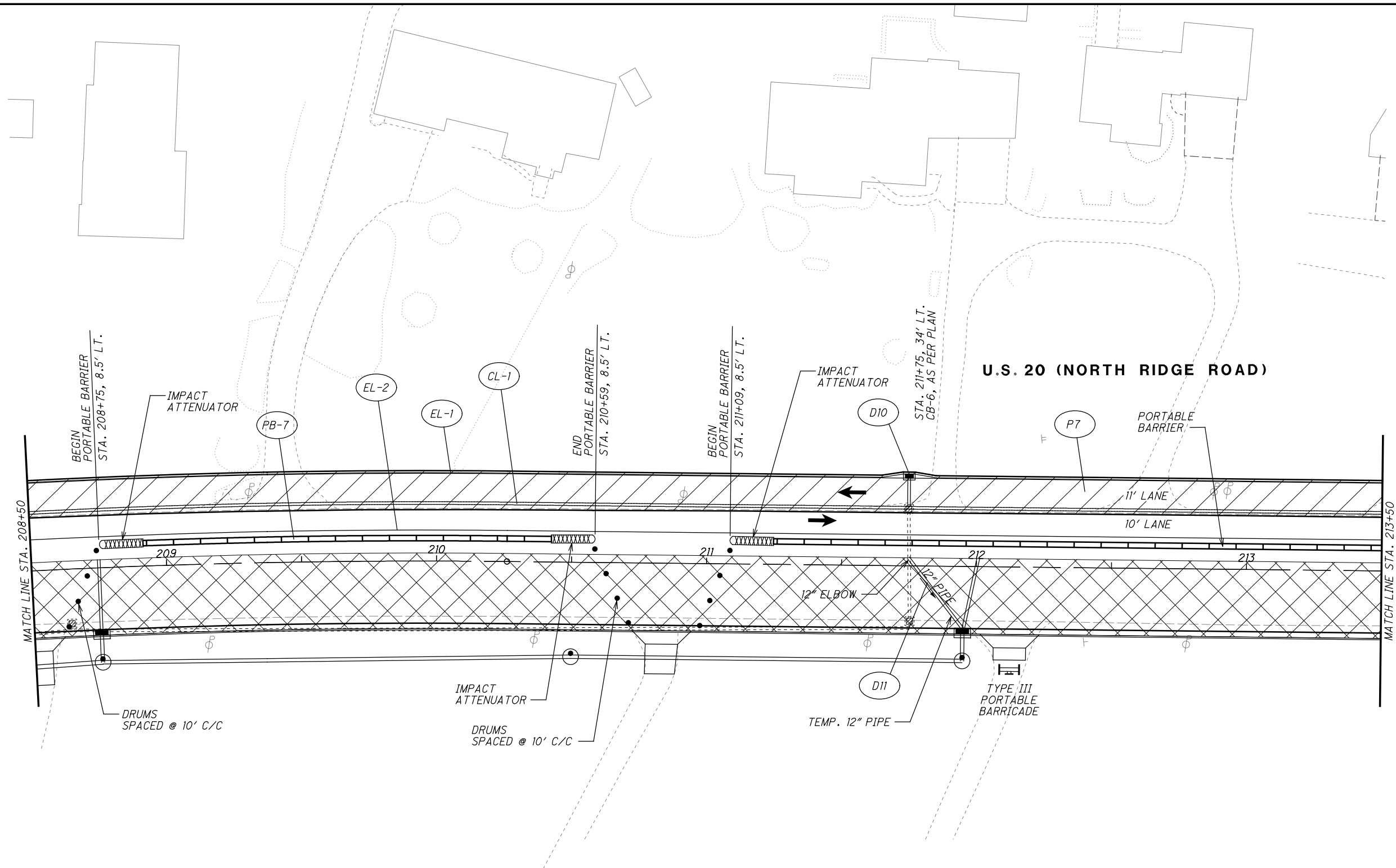
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


  
 CALCULATED JDC  
 CHECKED EJT








**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 208+50 TO STA. 213+50**

**LAK-US-20-19.59**  
**PART 1**






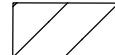



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

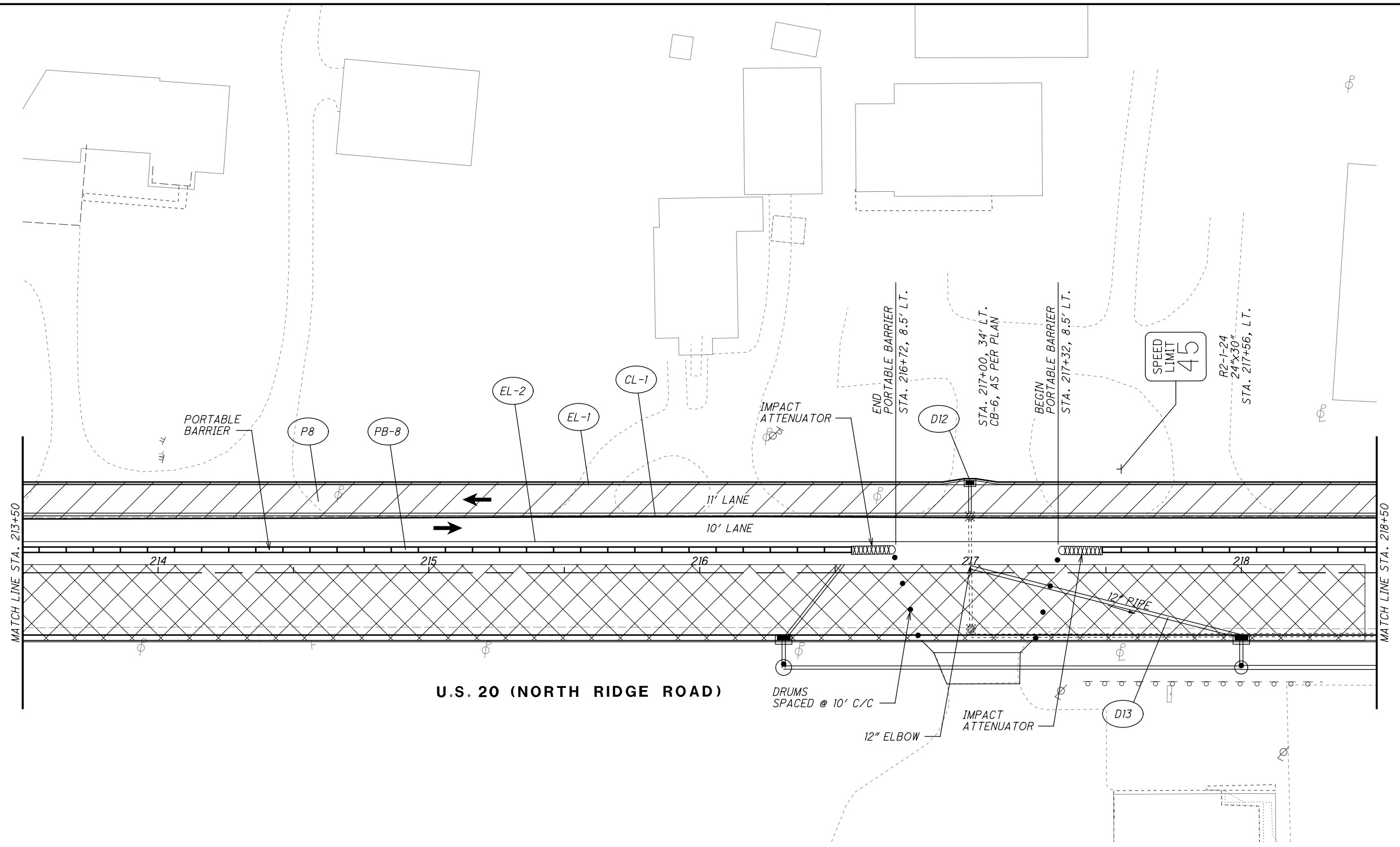


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 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT








**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 213+50 TO STA. 218+50**






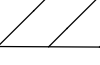

**LAK-US-20-19.59**  
**PART 1**



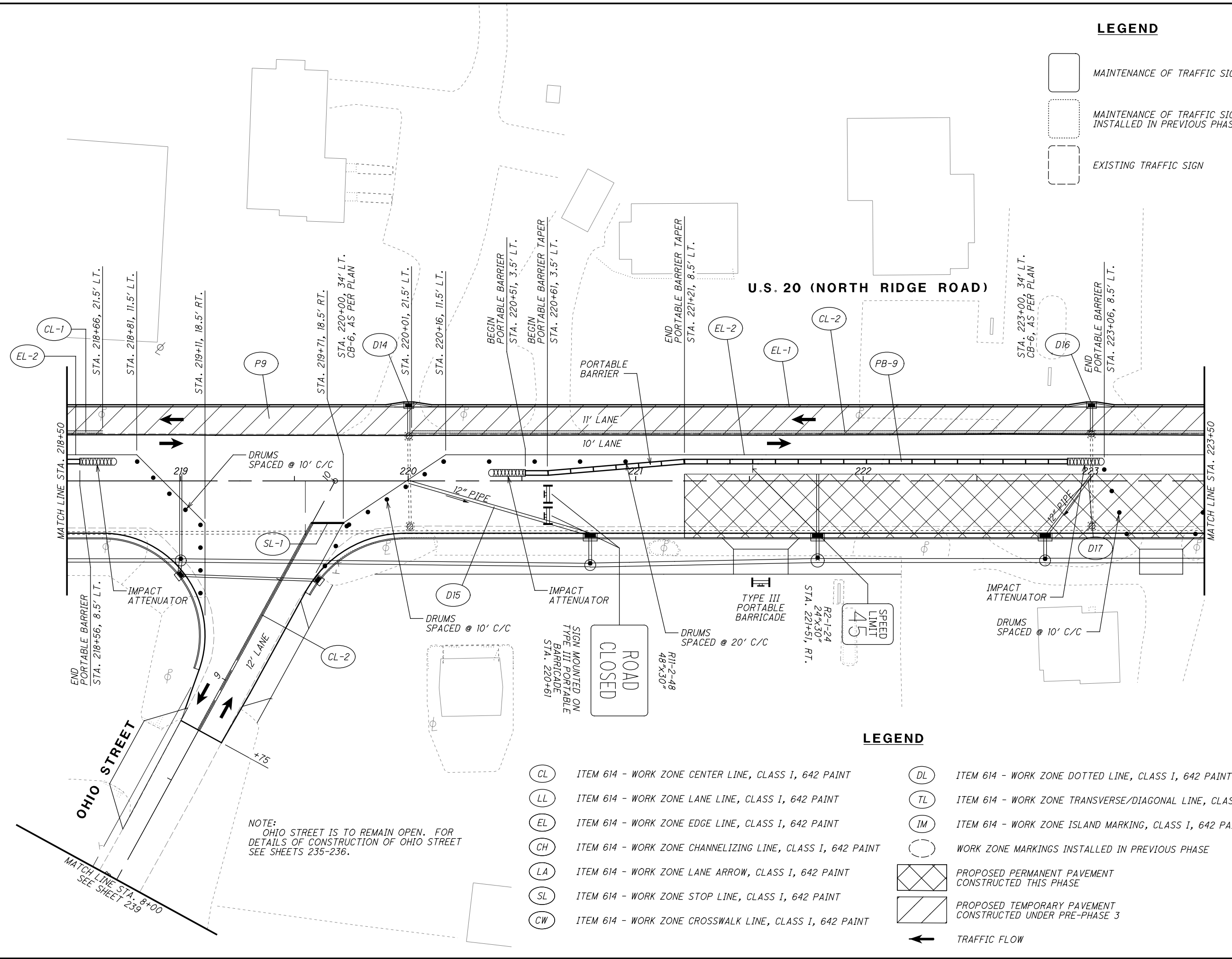
**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

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**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

N

0 20 40  
HORIZONTAL SCALE IN FEET

CALCULATED JDC CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 218+50 TO STA. 223+50**

**LAK-US-20-19.59**  
**PART 1**

215  
1253

**LEGEND**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CL</span> ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">LL</span> ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">EL</span> ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CH</span> ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">LA</span> ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">SL</span> ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CW</span> ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT</li> </ul> | <ul style="list-style-type: none"> <li><span style="border: 1px dotted black; border-radius: 50%; padding: 2px;">DL</span> ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px dashed black; border-radius: 50%; padding: 2px;">TL</span> ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">IM</span> ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT</li> <li><span style="border: 1px dotted black; border-radius: 50%; padding: 2px;">○</span> WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE</li> <li><span style="display: inline-block; width: 20px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></span> PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE</li> <li><span style="display: inline-block; width: 20px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px);"></span> PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3</li> <li><span style="display: inline-block; width: 15px; height: 10px; background: linear-gradient(to right, black 49%, transparent 49%, transparent 51%, black 51%);"></span> TRAFFIC FLOW</li> </ul> |
|---|---|

NOTE:  
OHIO STREET IS TO REMAIN OPEN. FOR  
DETAILS OF CONSTRUCTION OF OHIO STREET  
SEE SHEETS 235-236.

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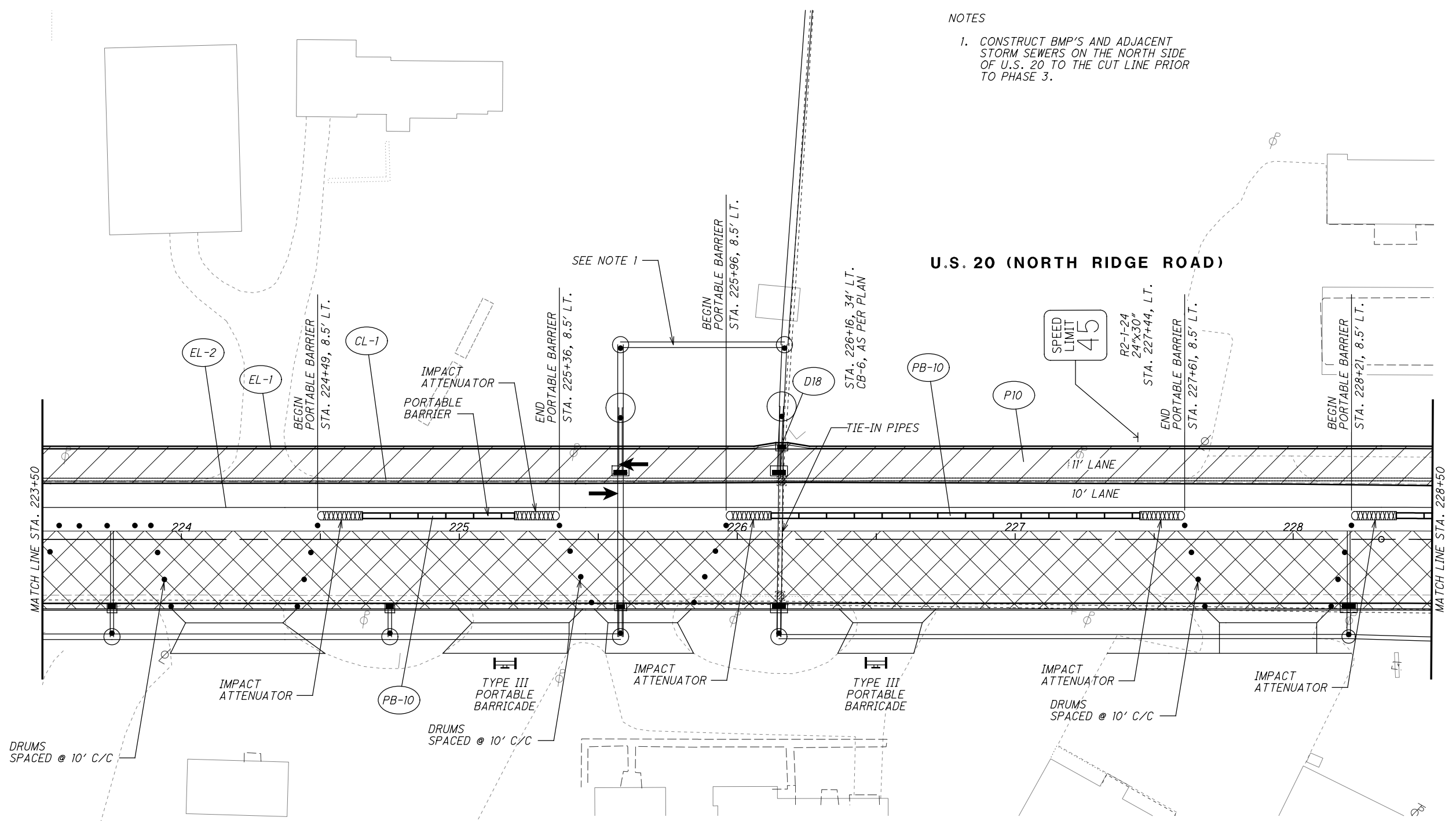
  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 223+50 TO STA. 228+50**




**LAK-US-20-19.59**  
**PART 1**








**NOTES**

1. CONSTRUCT BMP'S AND ADJACENT STORM SEWERS ON THE NORTH SIDE OF U.S. 20 TO THE CUT LINE PRIOR TO PHASE 3.






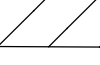



**LEGEND**

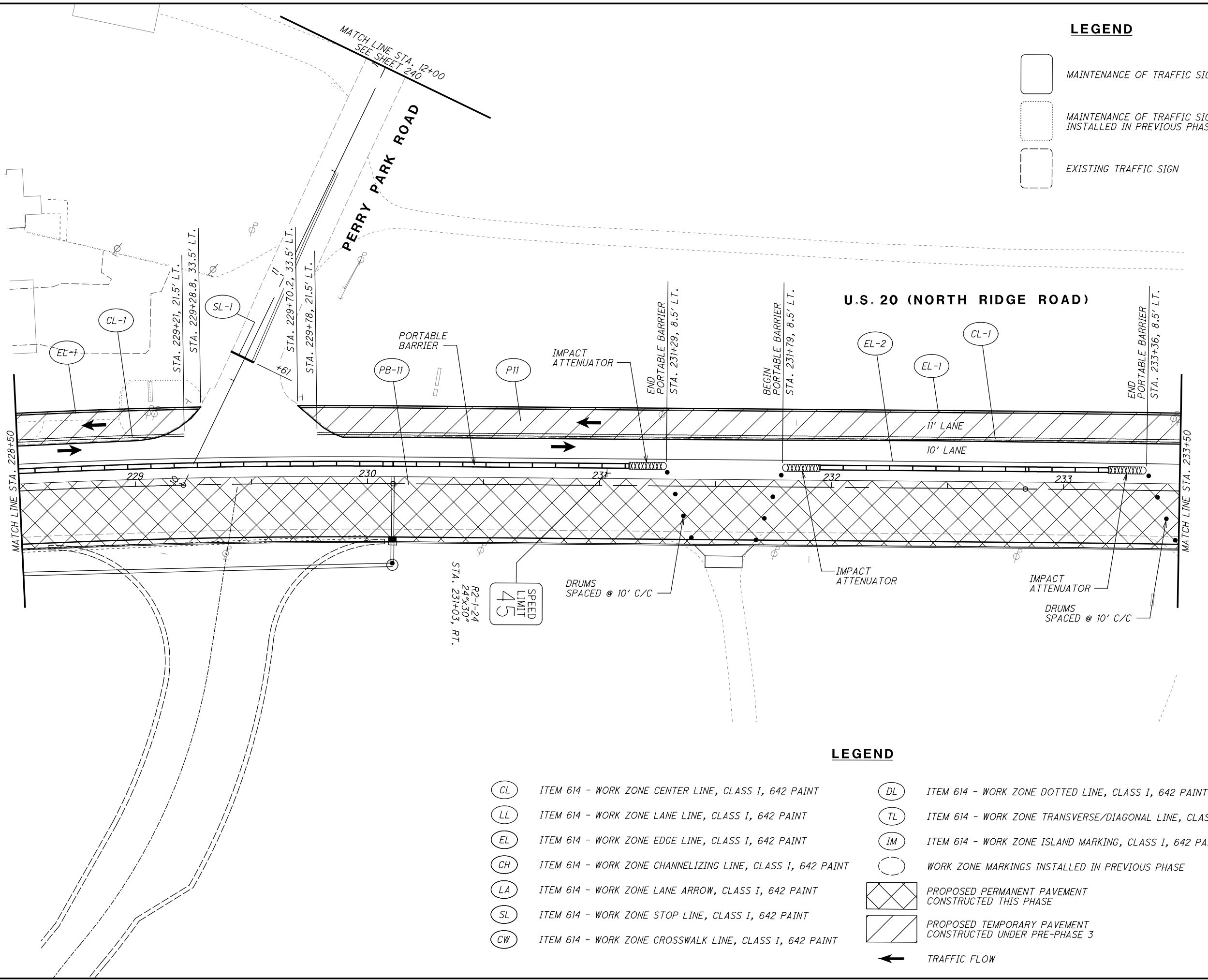
-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

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**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

N

0 10 20 40  
HORIZONTAL SCALE IN FEET

CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 228+50 TO STA. 233+50**

**LEGEND**

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CL</span> ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">LL</span> ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">EL</span> ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CH</span> ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">LA</span> ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">SL</span> ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CW</span> ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT</li> </ul> | <ul style="list-style-type: none"> <li><span style="border: 1px dotted black; border-radius: 50%; padding: 2px;">DL</span> ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px dashed black; border-radius: 50%; padding: 2px;">TL</span> ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">IM</span> ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;"> </span> WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE</li> <li><span style="display: inline-block; width: 20px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></span> PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE</li> <li><span style="display: inline-block; width: 20px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px);"></span> PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3</li> <li><span style="display: inline-block; width: 15px; height: 10px; background: black;"></span> TRAFFIC FLOW</li> </ul> |
|---|--|

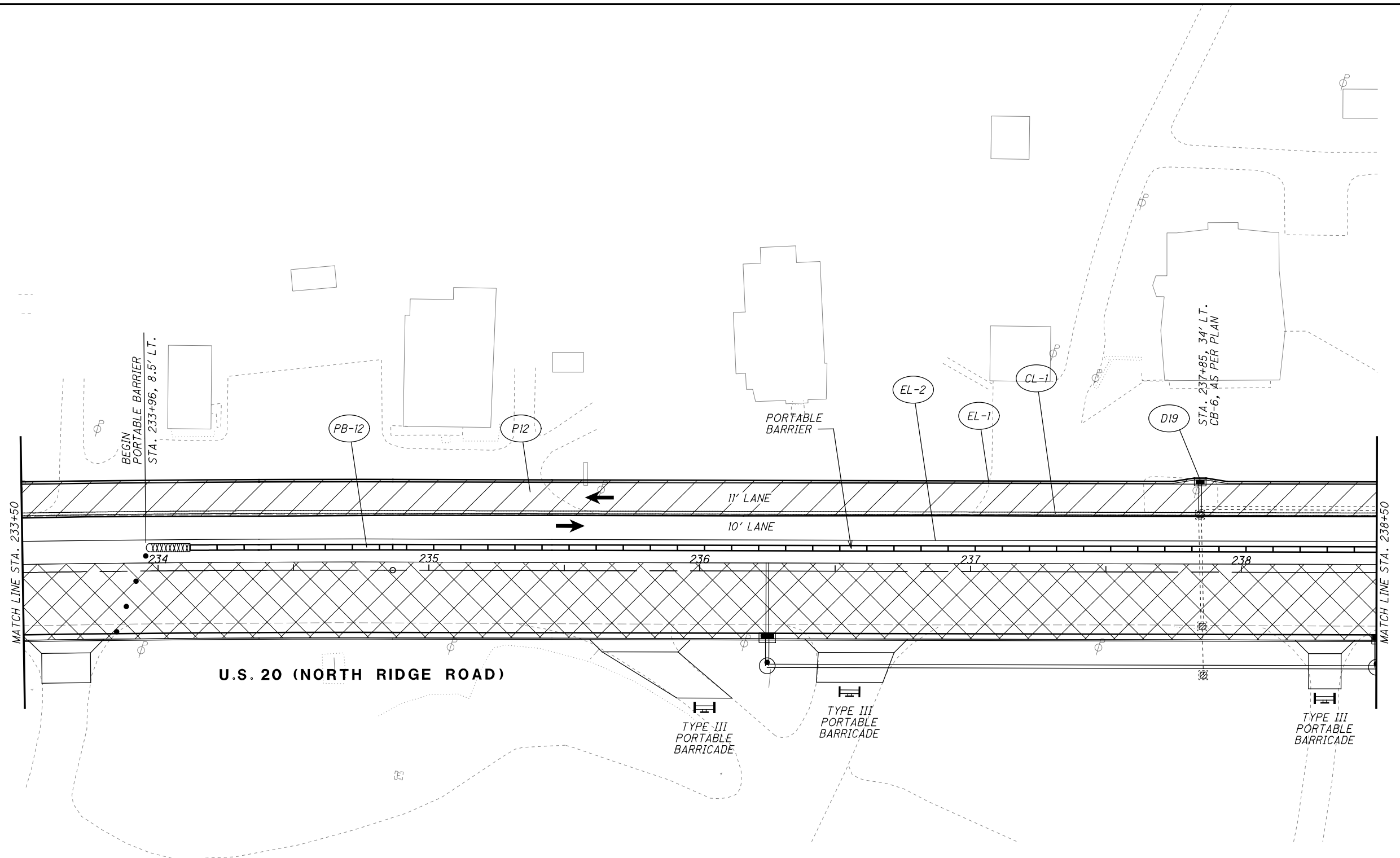
**LAK-US-20-19.59**  
**PART 1**

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 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT








**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 233+50 TO STA. 238+50**

**LAK-US-20-19.59**  
**PART 1**










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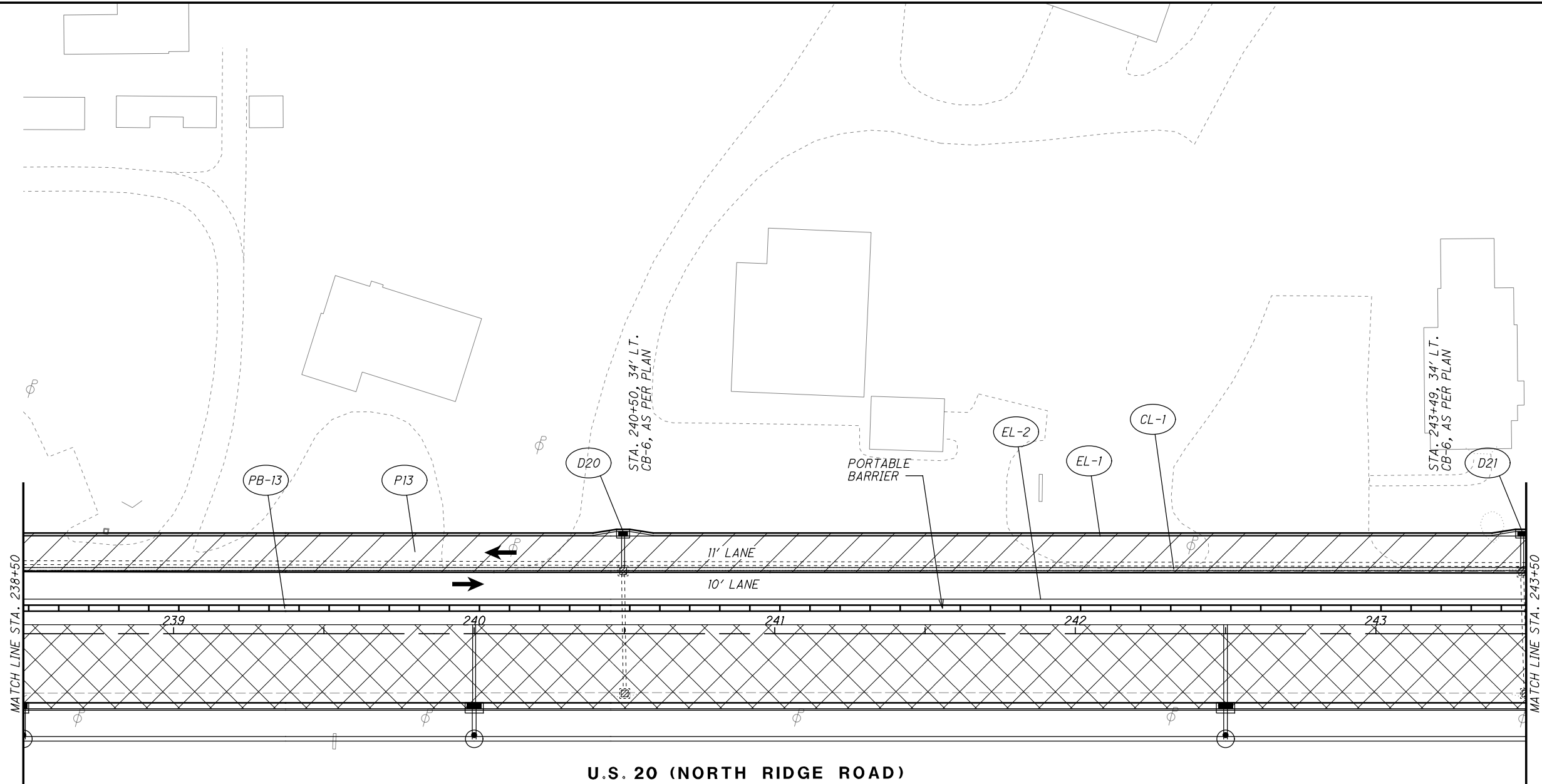
-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**




-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW










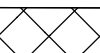




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**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



CALCULATED  
JDC  
CHECKED  
EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3  
STA. 238+50 TO STA. 243+50**

**LAK-US-20-19.59  
PART 1**

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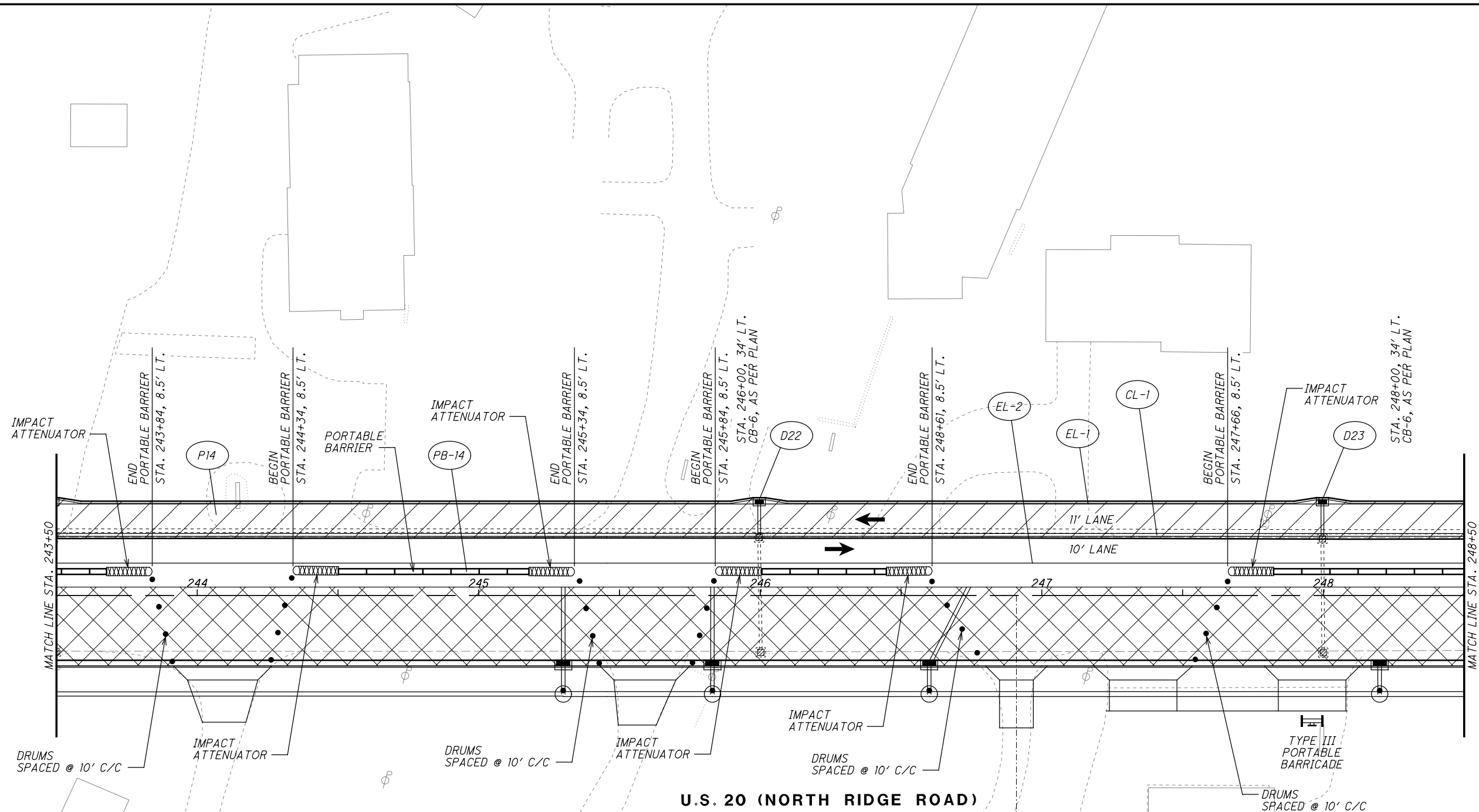
CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 243+50 TO STA. 248+50**

**LAK-US-20-19.59**  
**PART 1**

220  
1253



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

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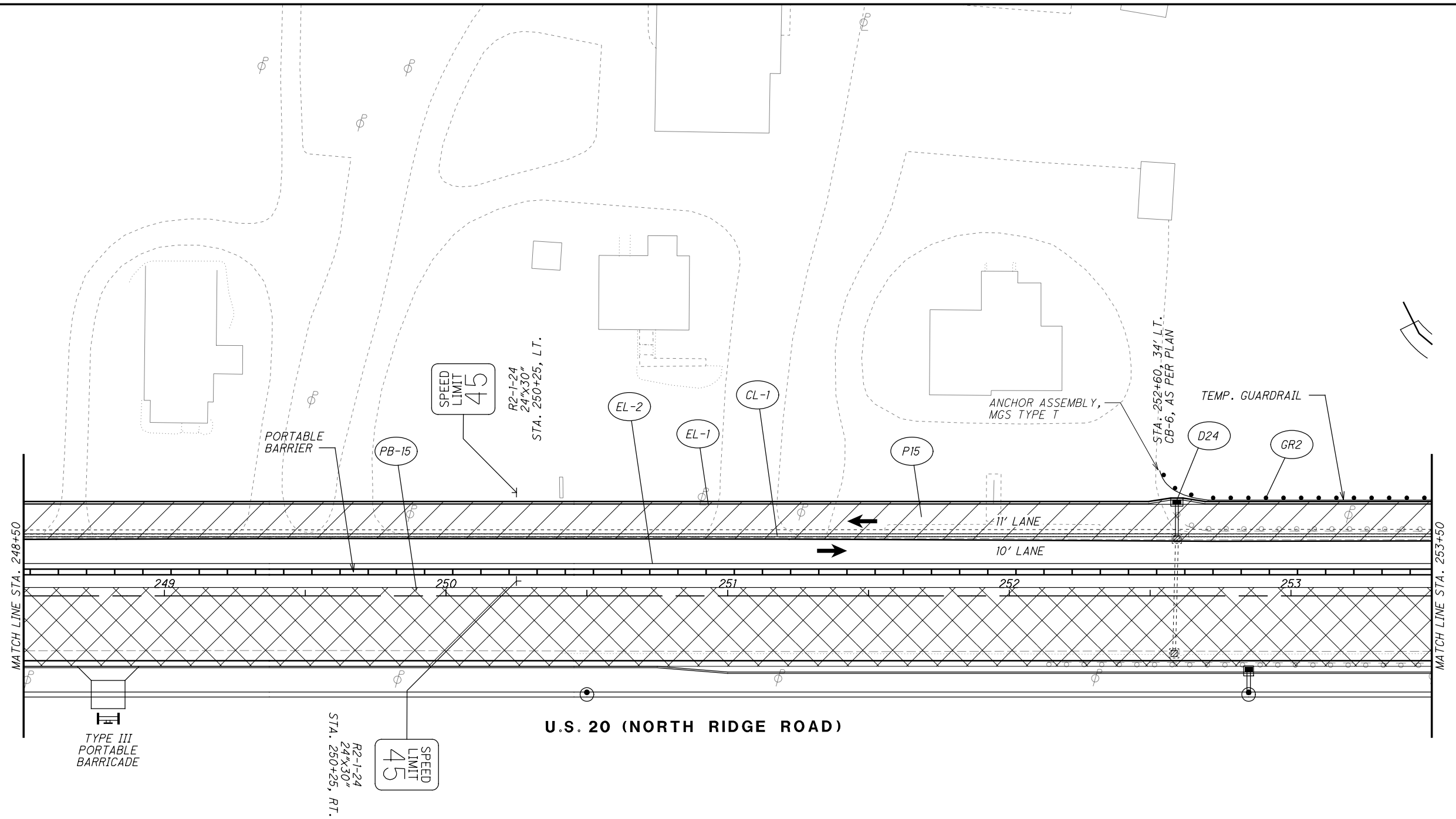
CALCULATED JDC CHECKED EJT

0 20 40  
10' HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
STA. 248+50 TO STA. 253+50

**LAK-US-20-19.59**  
**PART 1**

221  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW



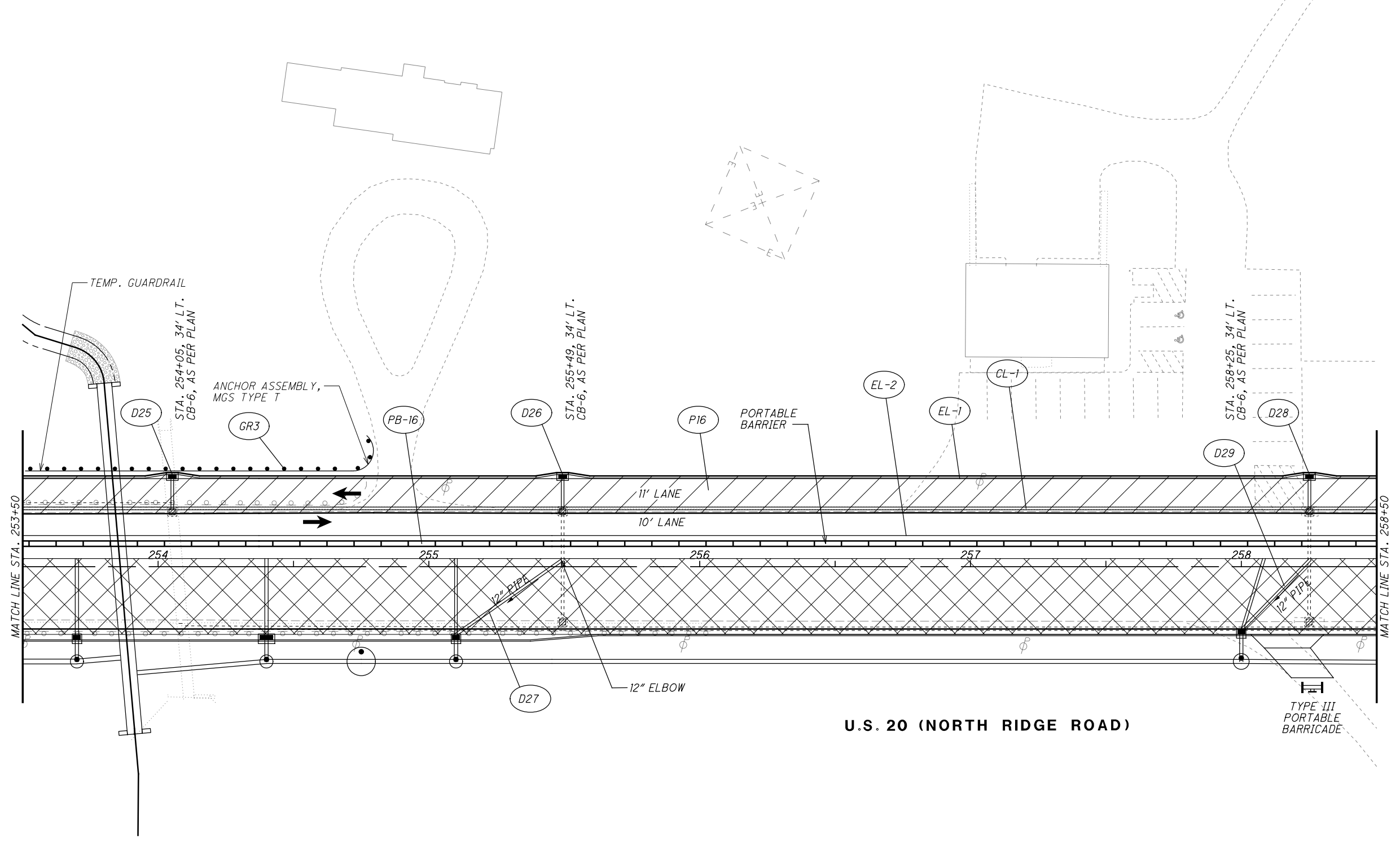
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 CALCULATED JDC  
 CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 253+50 TO STA. 258+50**








**LAK-US-20-19.59**  
**PART 1**








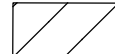

**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

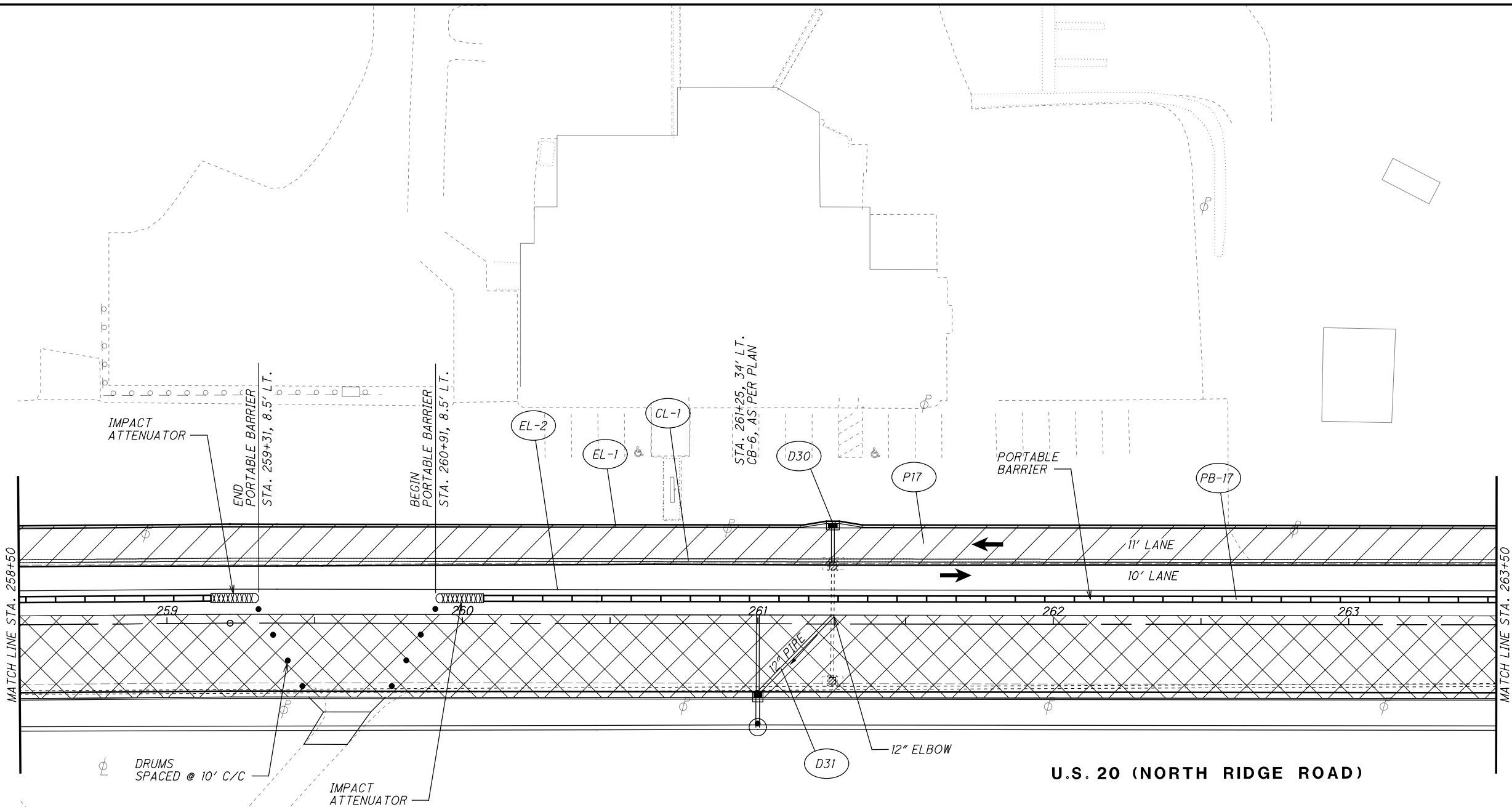
-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




**LEGEND**










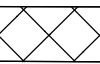

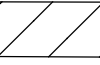


-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 258+50 TO STA. 263+50**

**LAK-US-20-19.59**  
**PART 1**






CALCULATED JDC CHECKED EJT

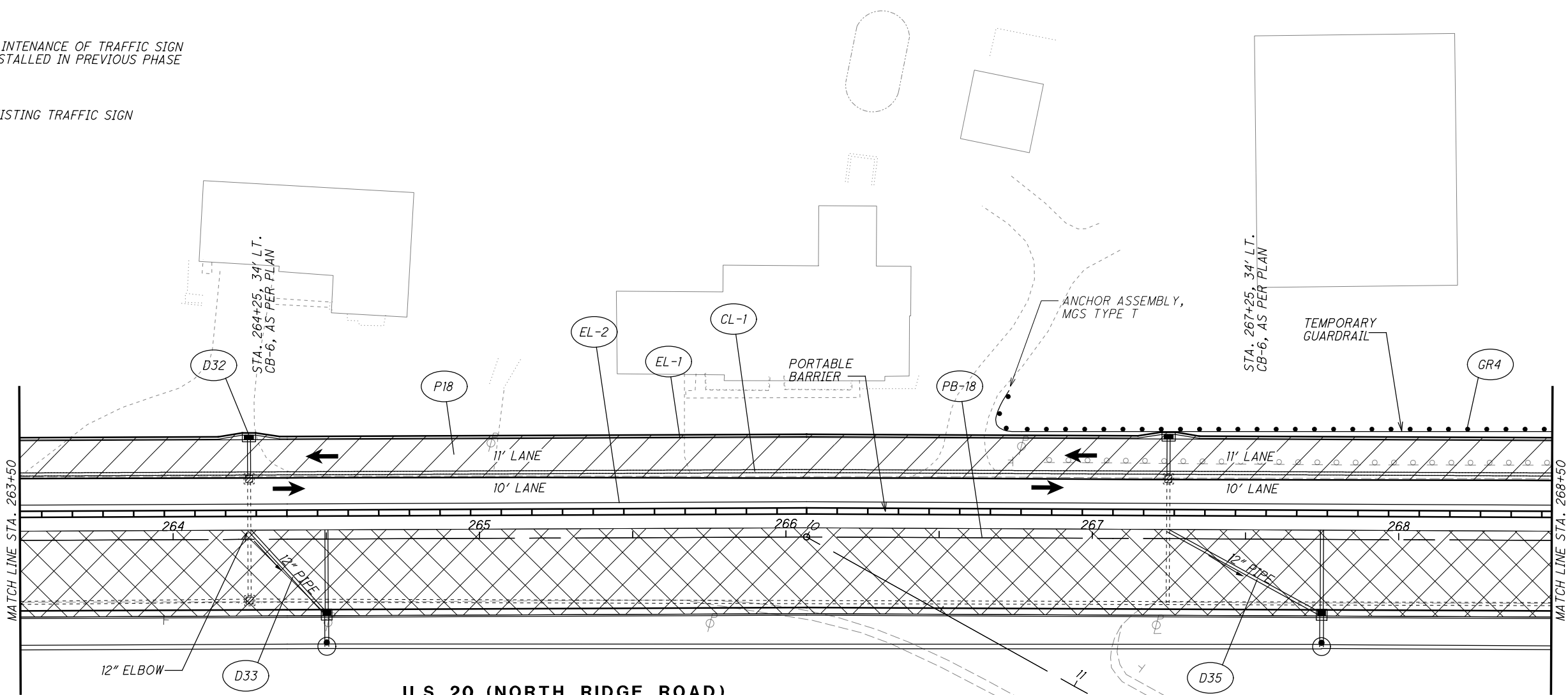
**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 263+50 TO STA. 268+50**

**LAK-US-20-19.59**  
**PART 1**

224  
1253

**LEGEND**










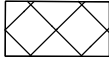

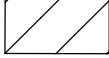


-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



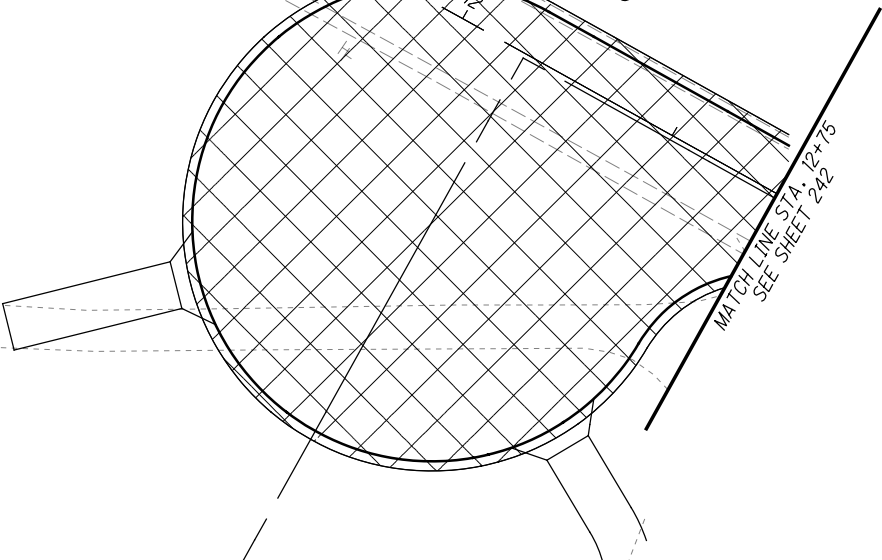
**U.S. 20 (NORTH RIDGE ROAD)**

**MIDDLE RIDGE ROAD**

**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

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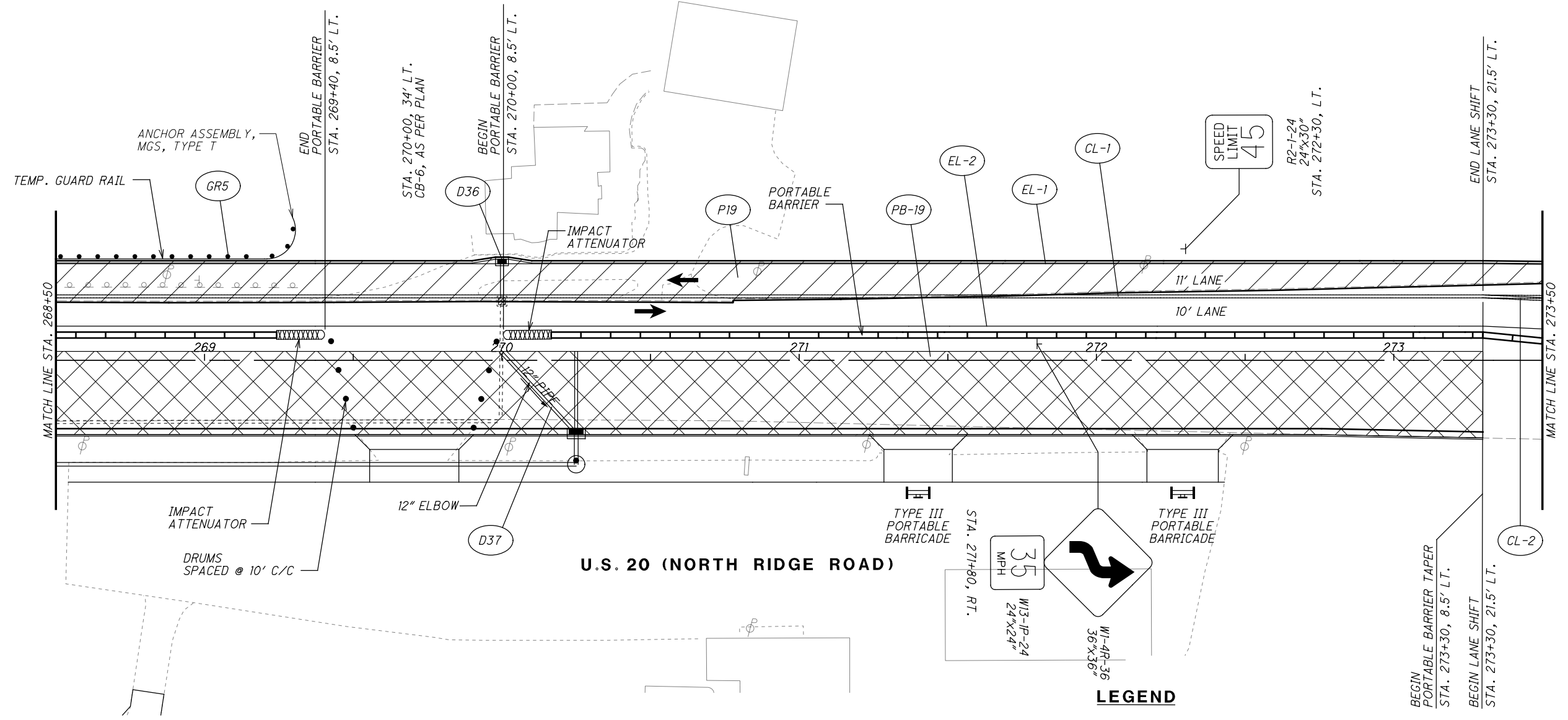
CALCULATED JDC CHECKED EJT

0 20 40  
10' HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 268+50 TO STA. 273+50**

**LAK-US-20-19.59**  
**PART 1**

225  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

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**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | ( )  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

**NOTES**

1. WELD GRATE TO FRAME

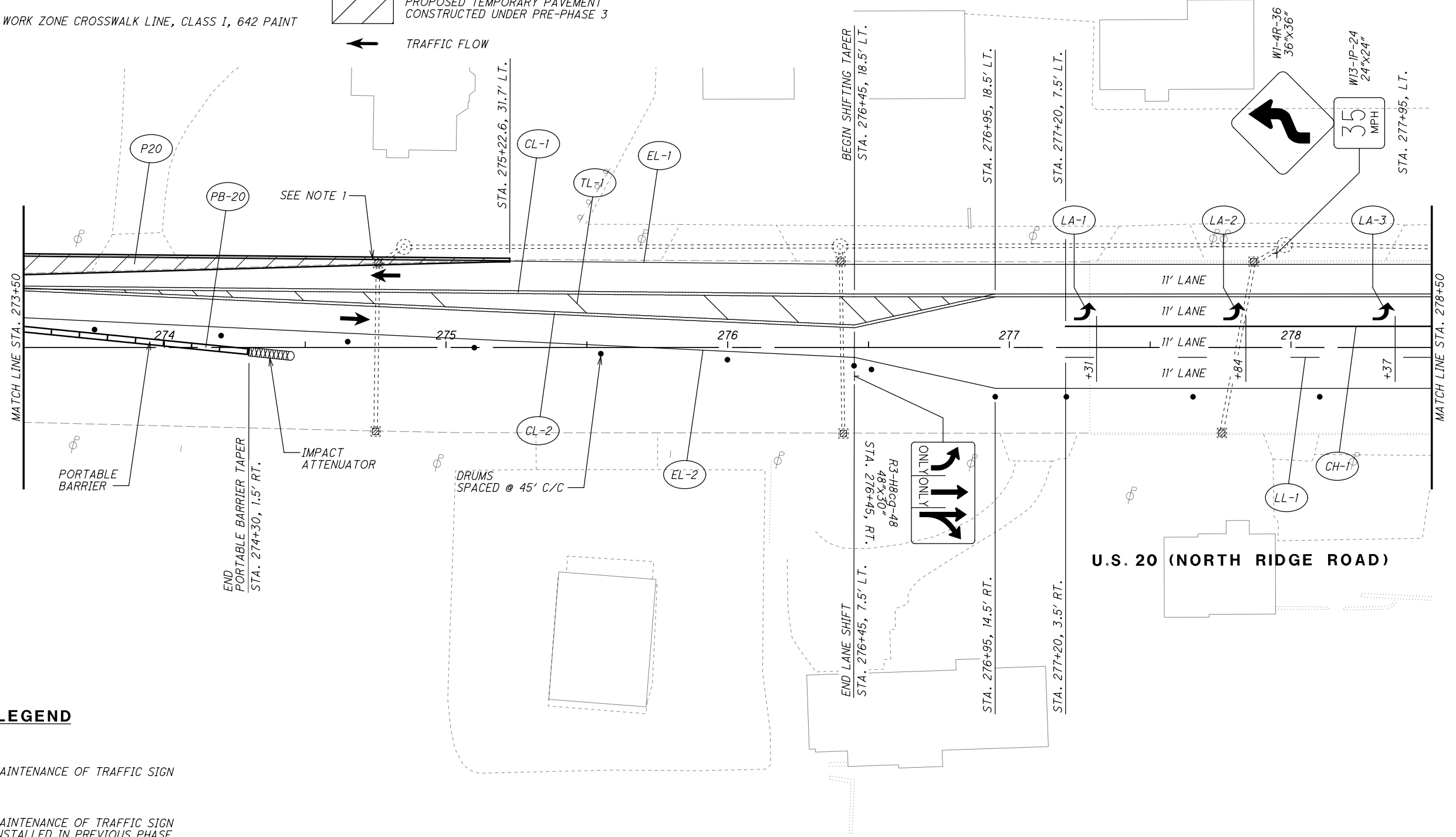
0 20 40  
HORIZONTAL SCALE IN FEET

CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3  
STA. 273+50 TO STA. 278+50**

**LAK-US-20-19.59  
PART 1**

226  
1253



**LEGEND**

- |     |   |
|-----|---|
| ( ) | MAINTENANCE OF TRAFFIC SIGN                             |
| ( ) | MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| ( ) | EXISTING TRAFFIC SIGN                                   |




**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" TO THE FOLLOWING NEW LOCATIONS:

SIGNAL HEAD "A": 45.2 FEET FROM POLE P1  
 SIGNAL HEAD "B": 57.1 FEET FROM POLE P1

2. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

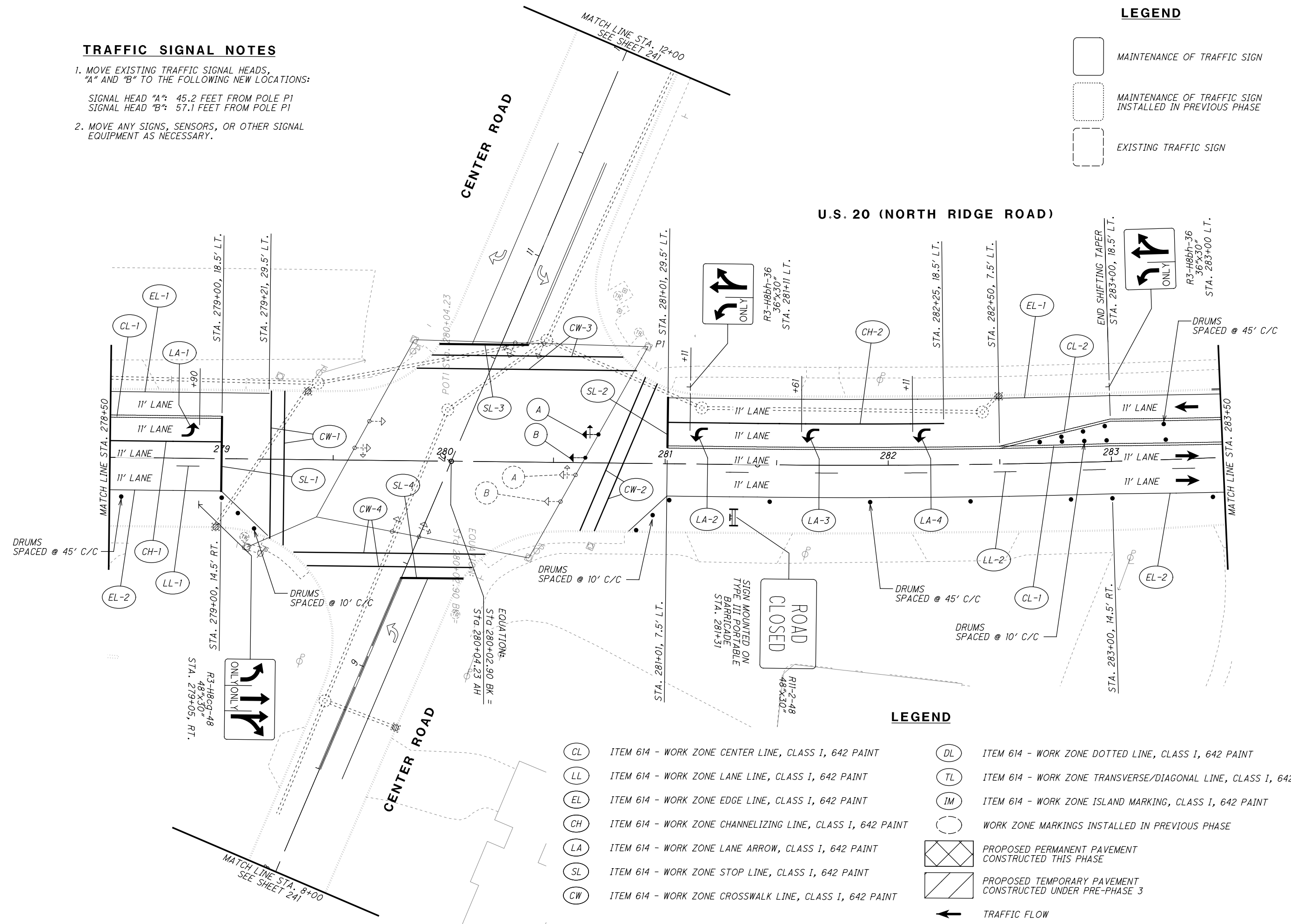
0 20 40  
 HORIZONTAL SCALE IN FEET

CALCULATED JDC  
 CHECKED EJT















**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 278+50 TO STA. 283+50**

**LAK-US-20-19.59**  
**PART 1**

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**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

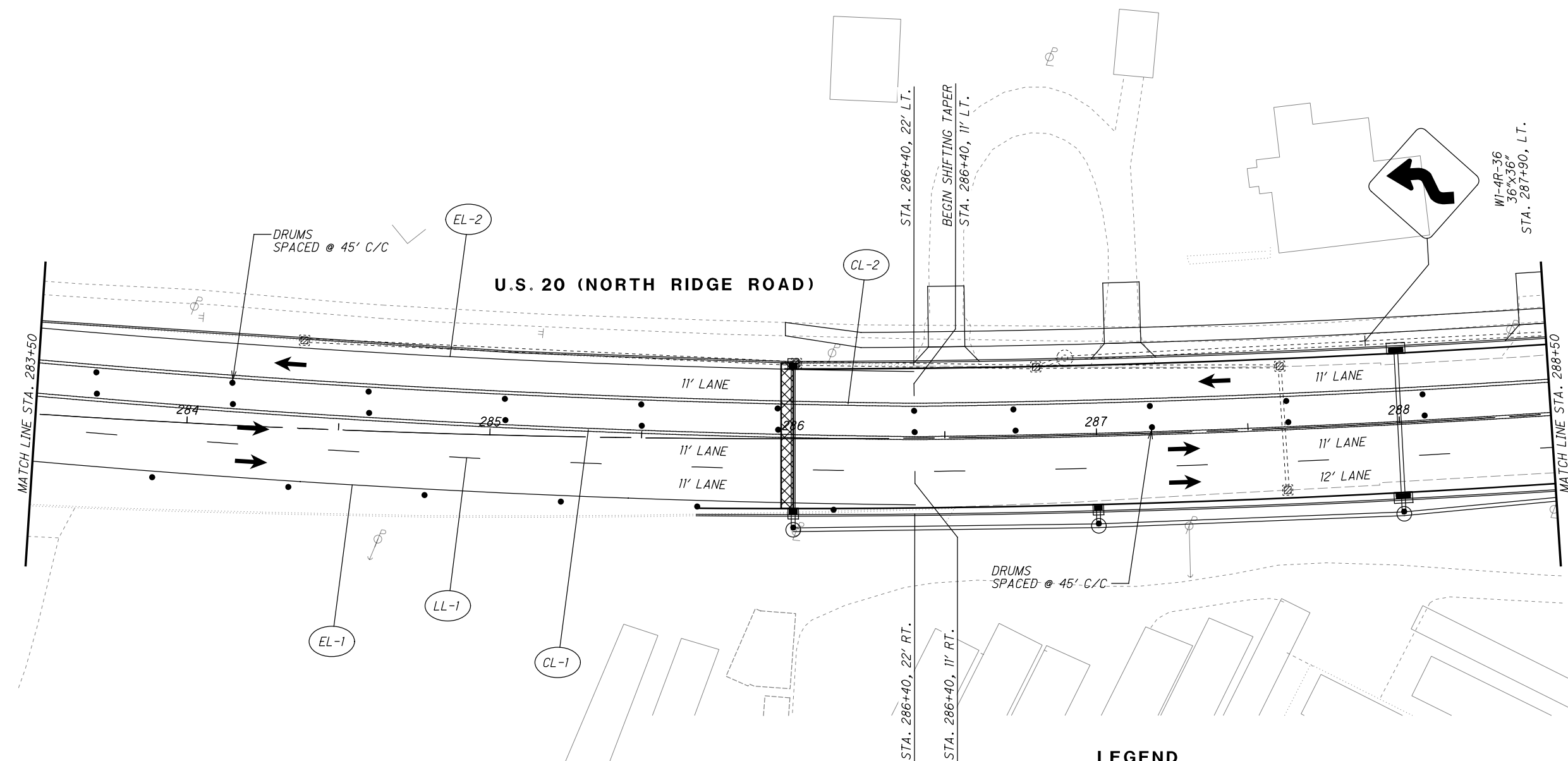
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CALCULATED JDC CHECKED EJT

0 20 40  
10  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 283+50 TO STA. 288+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

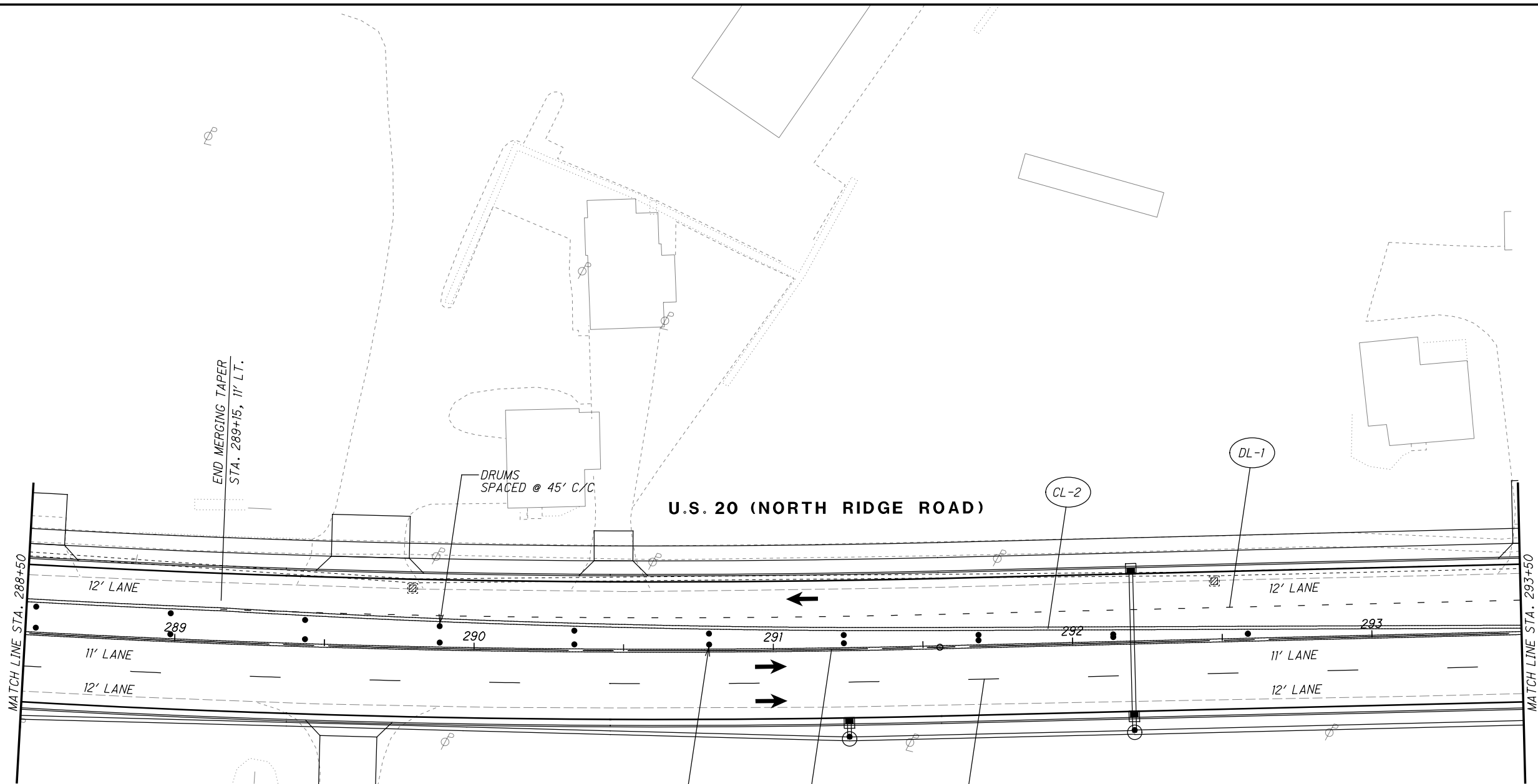
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 0 20 40  
 HORIZONTAL  
 SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 288+50 TO STA. 293+50**








**LAK-US-20-19.59**  
**PART 1**

229  
1253






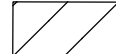



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

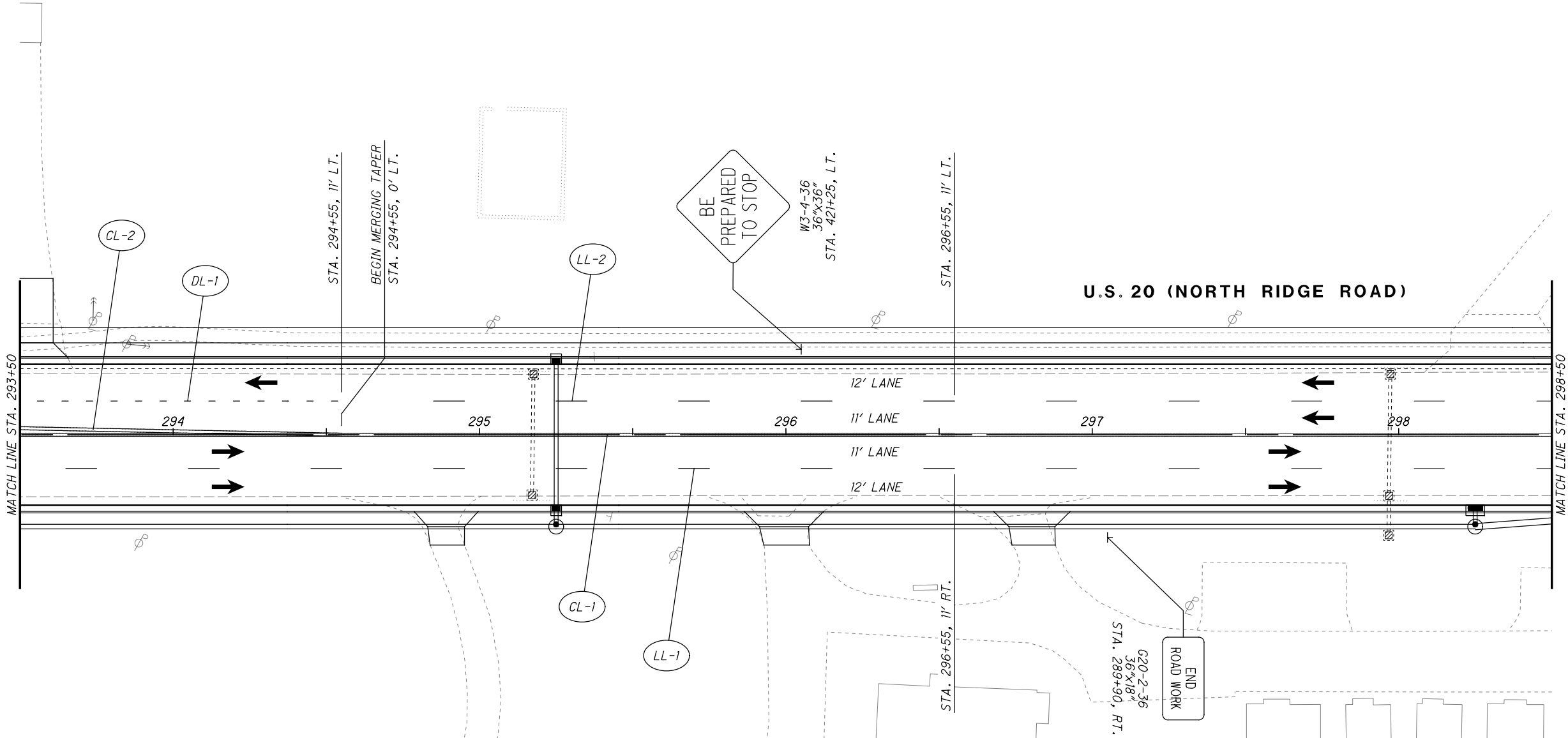
-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**




-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW












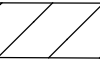




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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**LEGEND**

U.S. 20 (NORTH RIDGE ROAD)

CALCULATED JDC  
CHECKED EJT



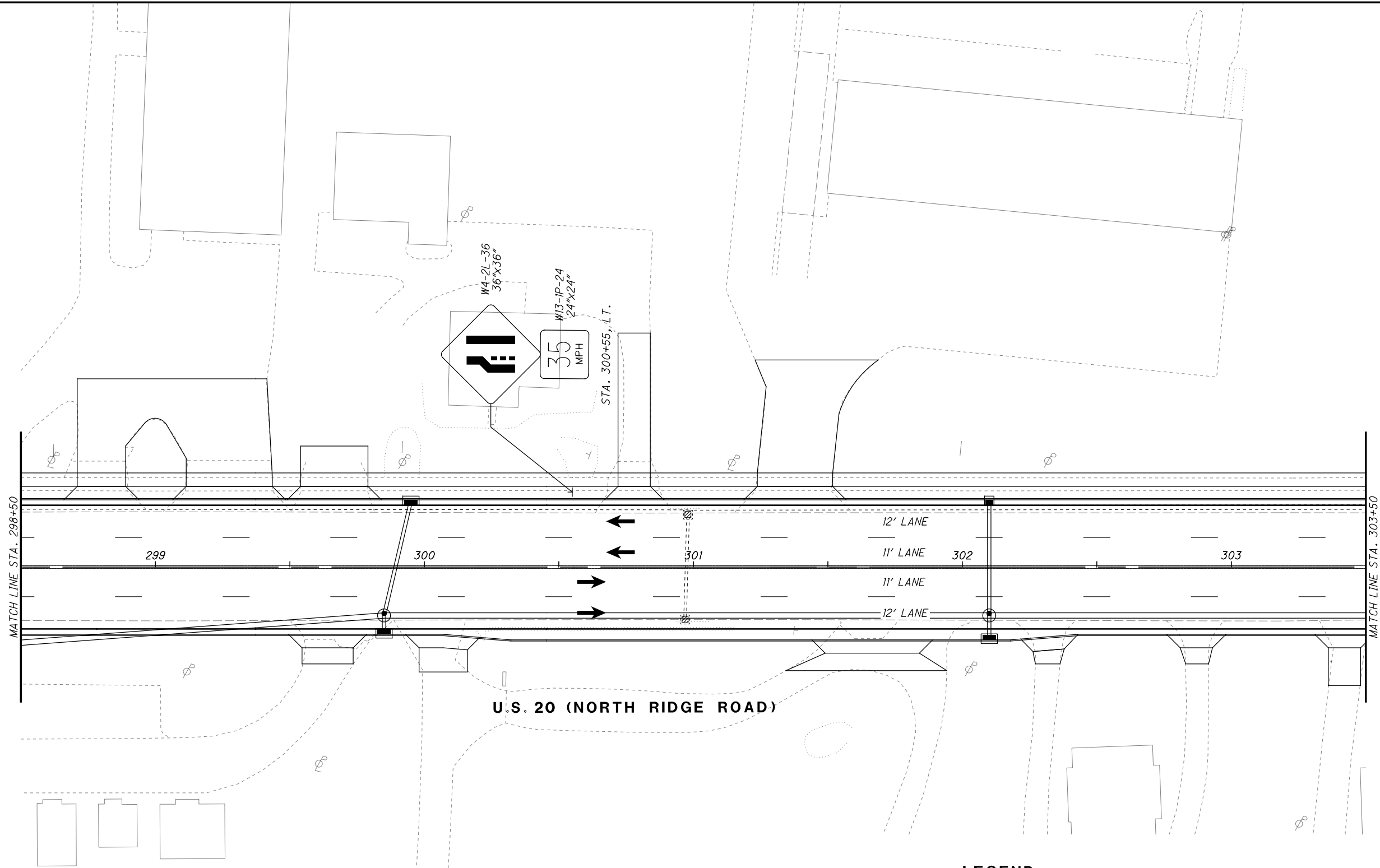

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 293+50 TO STA. 298+50**




**LAK-US-20-19.59**  
**PART 1**








230  
1253

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

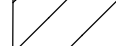



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 298+50 TO STA. 303+50**

**LAK-US-20-19.59**  
**PART 1**

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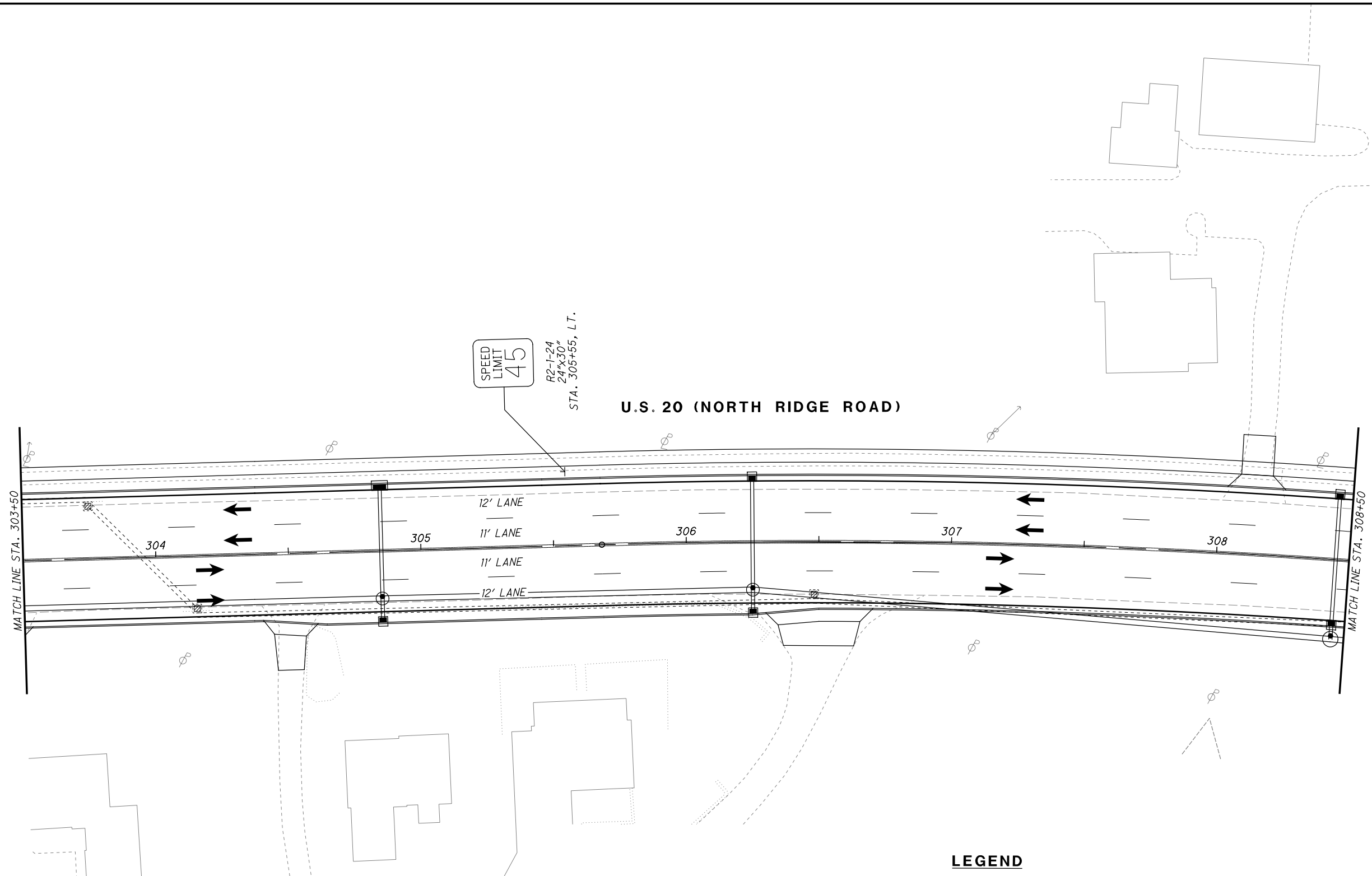
CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 303+50 TO STA. 308+50**

**LAK-US-20-19.59**  
**PART 1**

232  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

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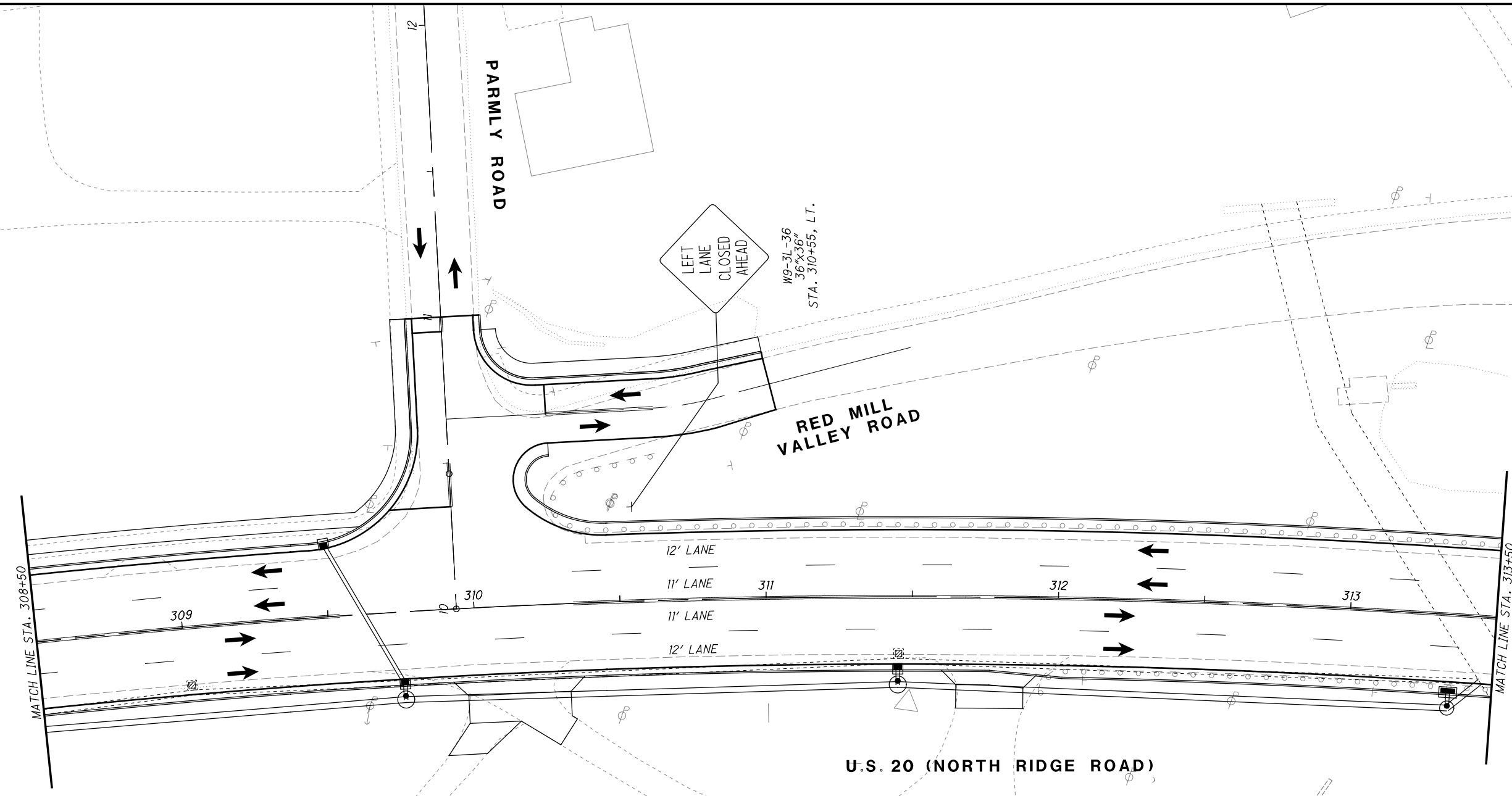
CALCULATED JDC  
 CHECKED EUT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 308+50 TO STA. 313+50**

**LAK-US-20-19.59**  
**PART 1**

233  
 1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

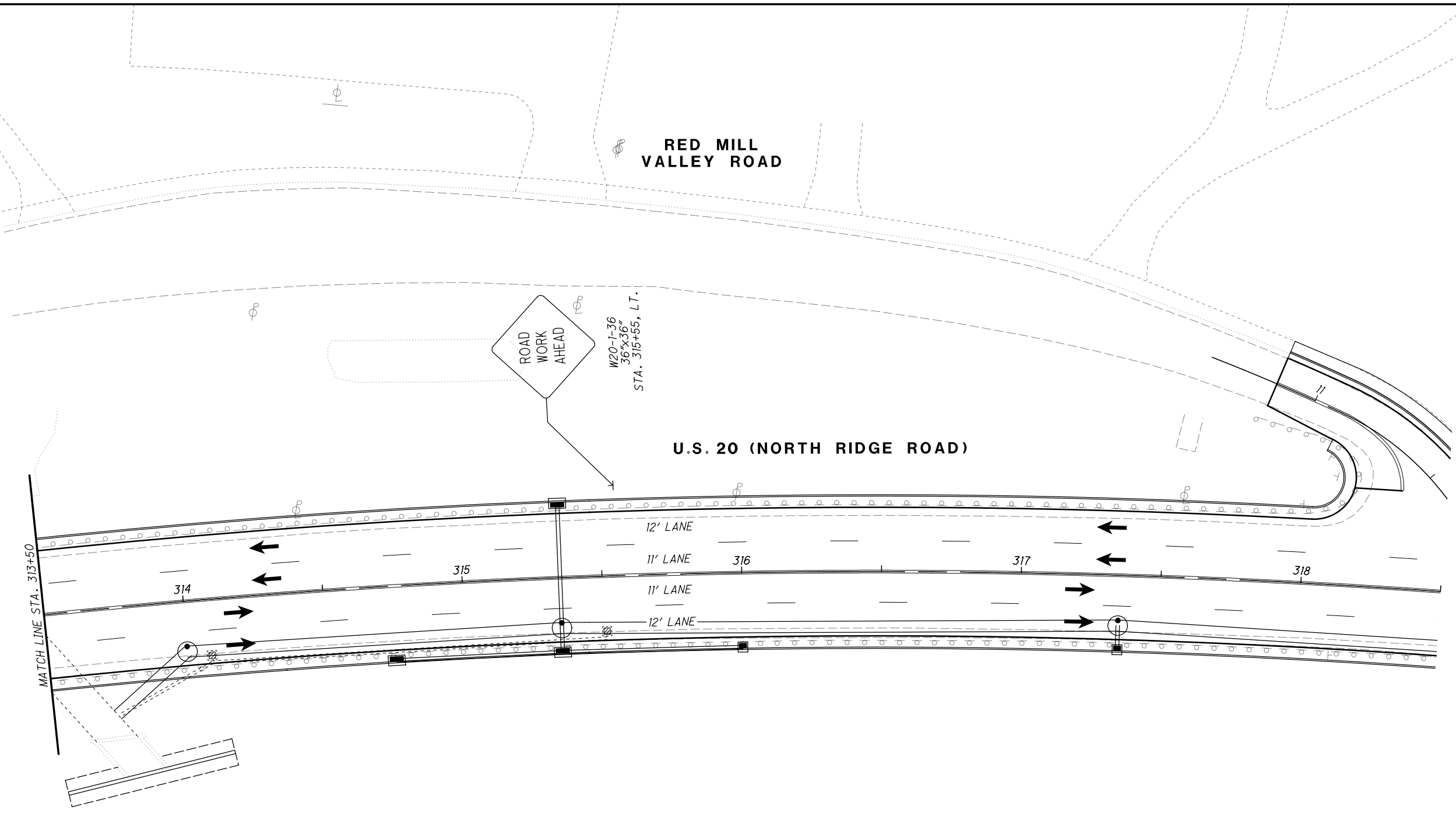
**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

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**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

**LEGEND**

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
	TRAFFIC FLOW




CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 313+50 TO STA. 318+50**

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

END ROAD WORK  
G20-2-36  
36"x18"  
STA. 5+87, LT.

**OHIO STREET**

DRUMS SPACED @ 25' C/C

SEE NOTE 2

DRUM RADIUS = 40'  
(SEE NOTE 1)

END PORTABLE BARRIER  
STA. 218+66, 8.5' LT.  
IMPACT ATTENUATOR  
STA. 218+81, 11.5' LT.  
PB-21  
CL-1 EL-1  
BEGIN PORTABLE BARRIER  
STA. 219+36, 8.5' LT.  
STA. 219+44, 21.5' LT.  
IMPACT ATTENUATOR  
STA. 219+59, 11.5' LT.  
STA. 219+85, 18.5' RT.

U.S. 20 (NORTH RIDGE ROAD)

W-4R-36  
36"x36"  
STA. 5+97, RT.

STA. 6+87, 1.5' RT.

END LANE SHIFT  
STA. 7+37, 1.5' RT.

P21

DRUMS SPACED @ 25' C/C

DRUMS SPACED @ 10' C/C

STA. 9+87, 14' RT.












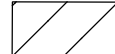

ROAD CLOSED  
R11-2-48  
48"x30"

SGN MOUNTED ON  
TYPE III PORTABLE  
BARRICADE  
STA. 220+61

STA. 221+51, RT.  
R2-1-24  
24"x30"

SPEED LIMIT  
45

**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  |

← TRAFFIC FLOW

**NOTES:**

1. CONSTRUCT TEMPORARY PAVEMENT AS NECESSARY TO MAINTAIN A 40 FOOT DRUM RADIUS
2. CONSTRUCT CURB AND GUTTER AFTER ALL PAVEMENT ON OHIO STREET HAS BEEN CONSTRUCTED.






MAINTENANCE OF TRAFFIC PLAN - PHASE 3  
STA. 218+50 TO STA. 223+50

LAK-US-20-19.59  
PART 1

235  
1253

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**LEGEND**

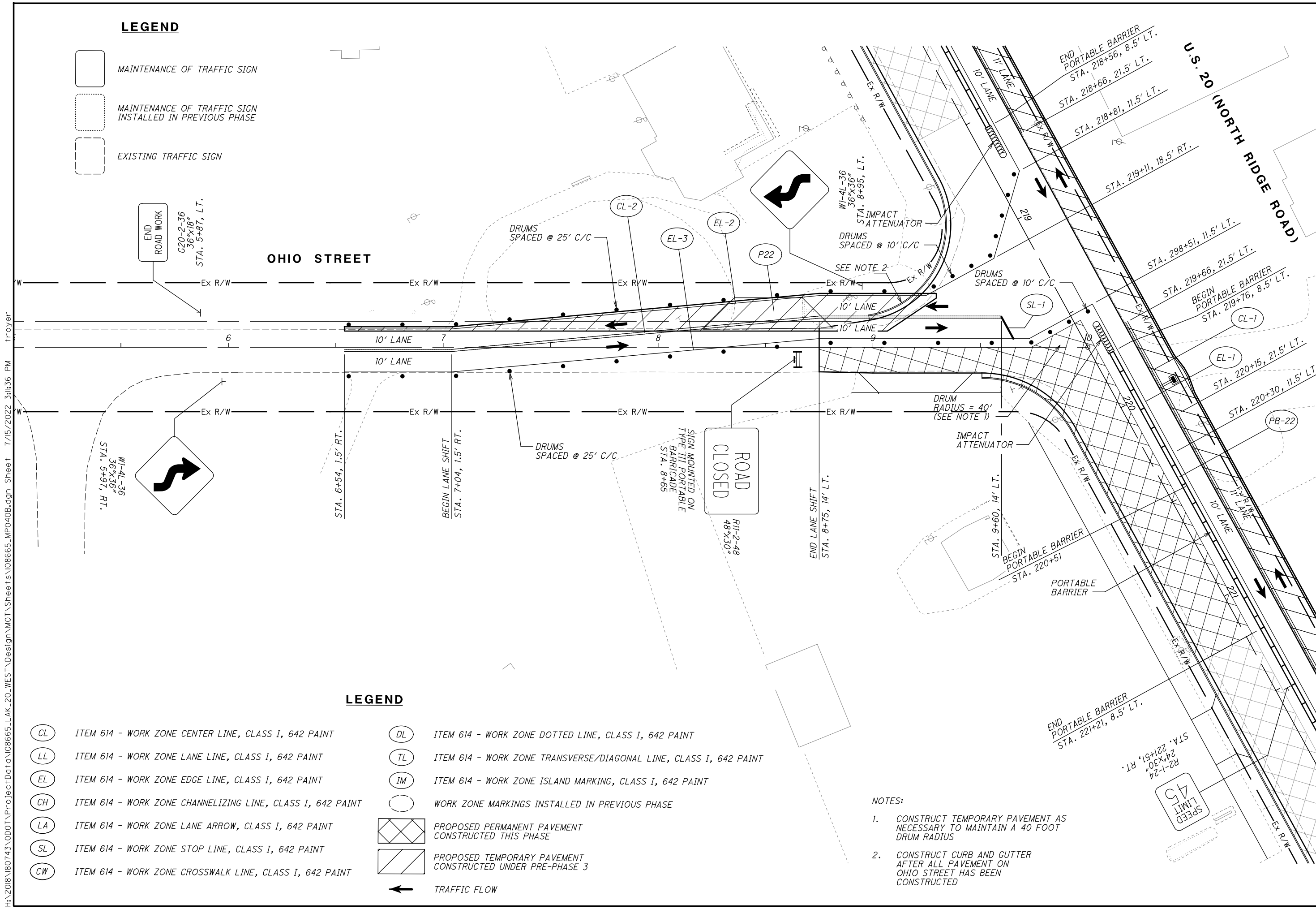
-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN














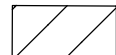


CALCULATED JDC CHECKED EJT  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**STA. 218+50 TO STA. 223+50**

**LAK-US-20-19.59**  
**PART 1**

236  
 1253



**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |




**NOTES:**

1. CONSTRUCT TEMPORARY PAVEMENT AS NECESSARY TO MAINTAIN A 40 FOOT DRUM RADIUS
2. CONSTRUCT CURB AND GUTTER AFTER ALL PAVEMENT ON OHIO STREET HAS BEEN CONSTRUCTED












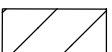


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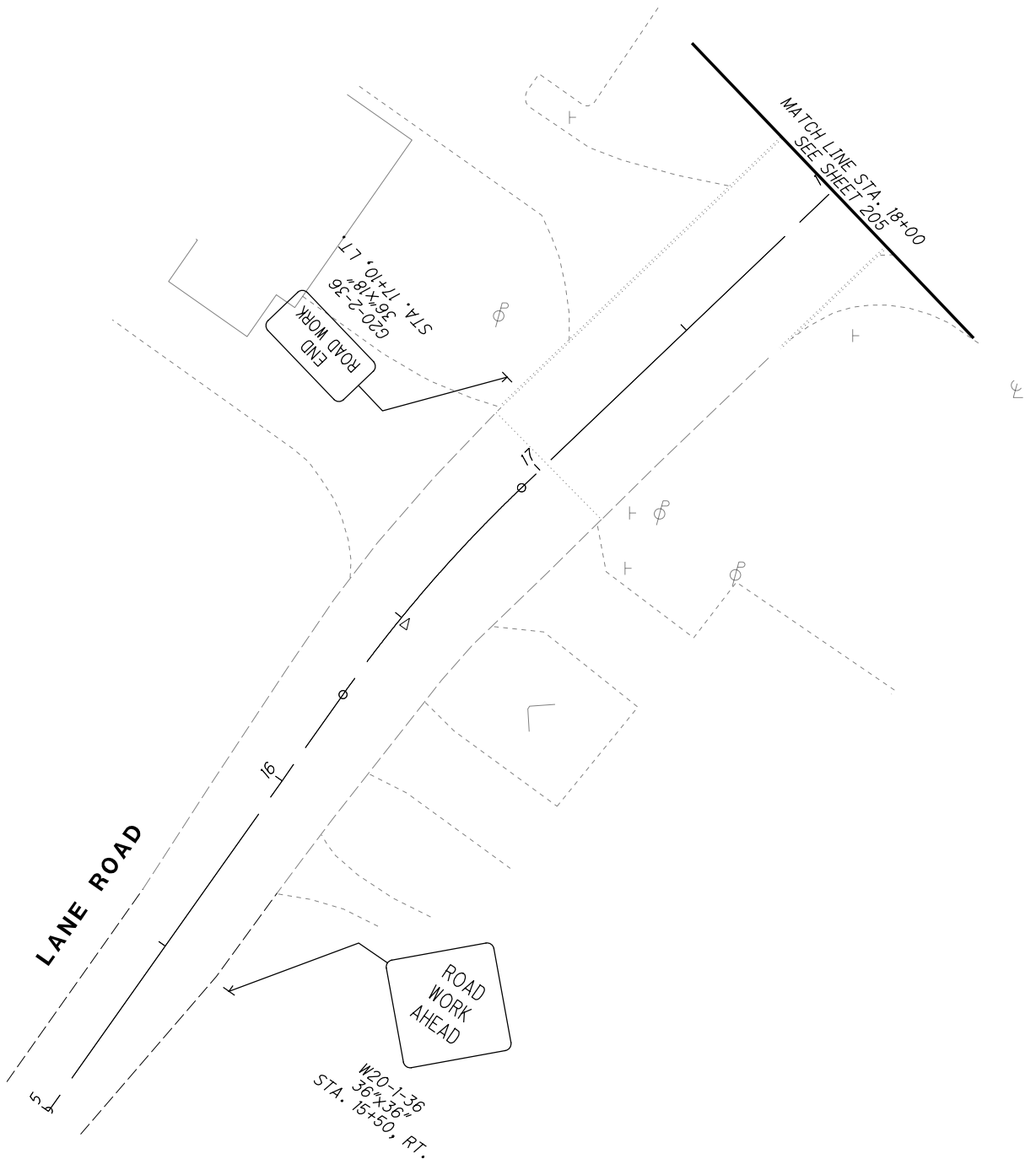
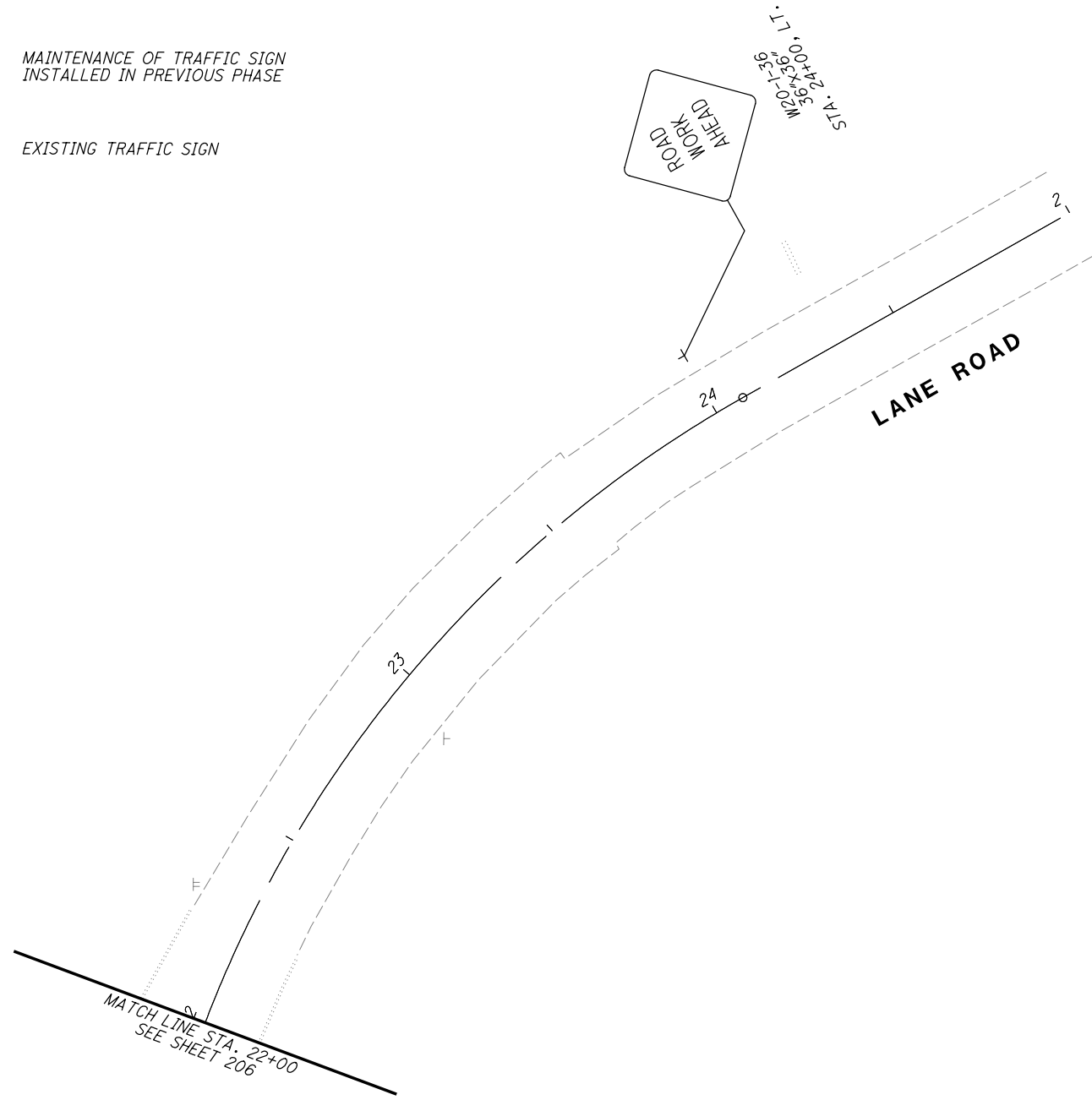
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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



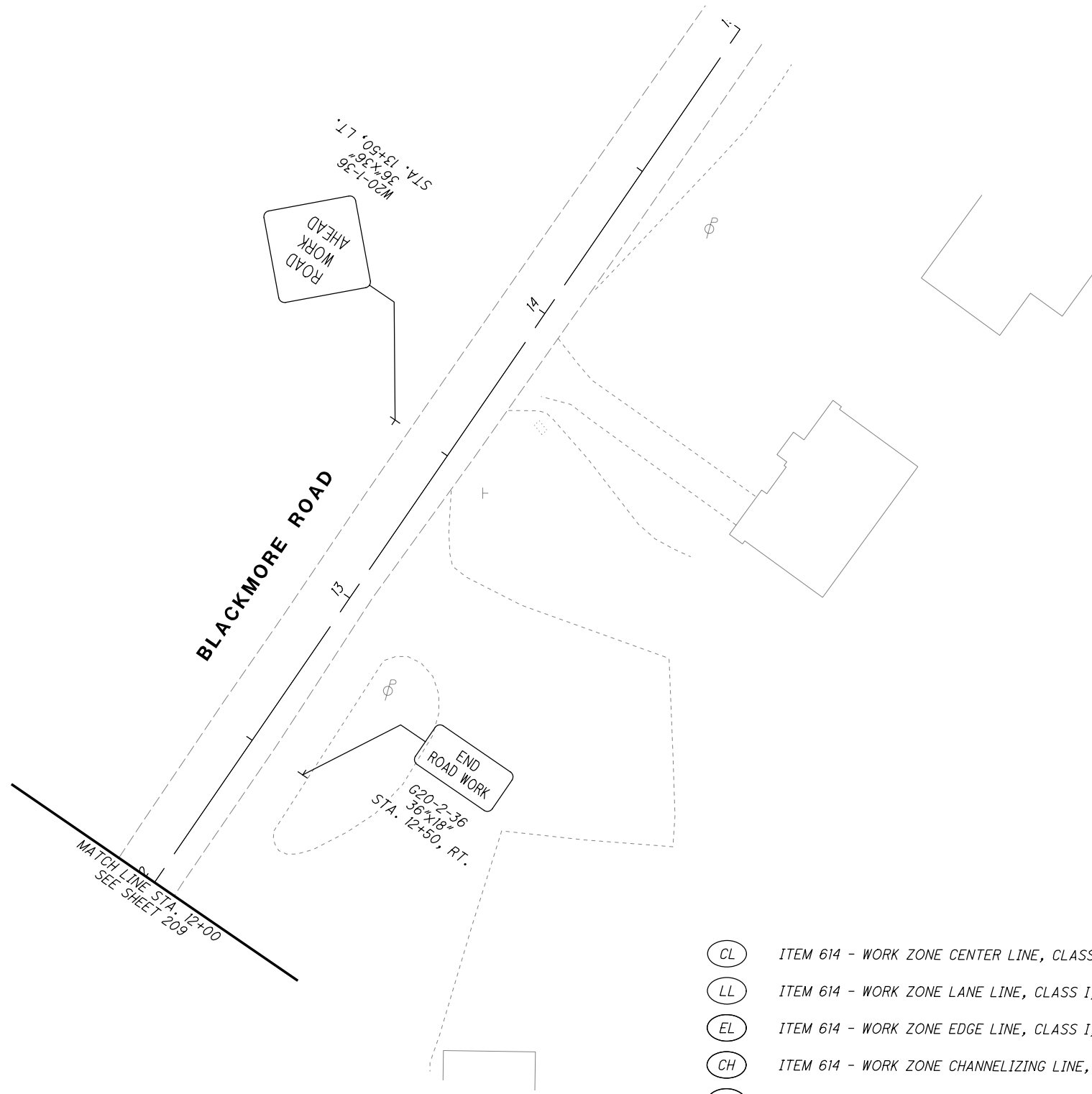
CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**LANE ROAD**




**LAK-US-20-19.59**  
**PART 1**

237  
1253





**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN












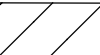


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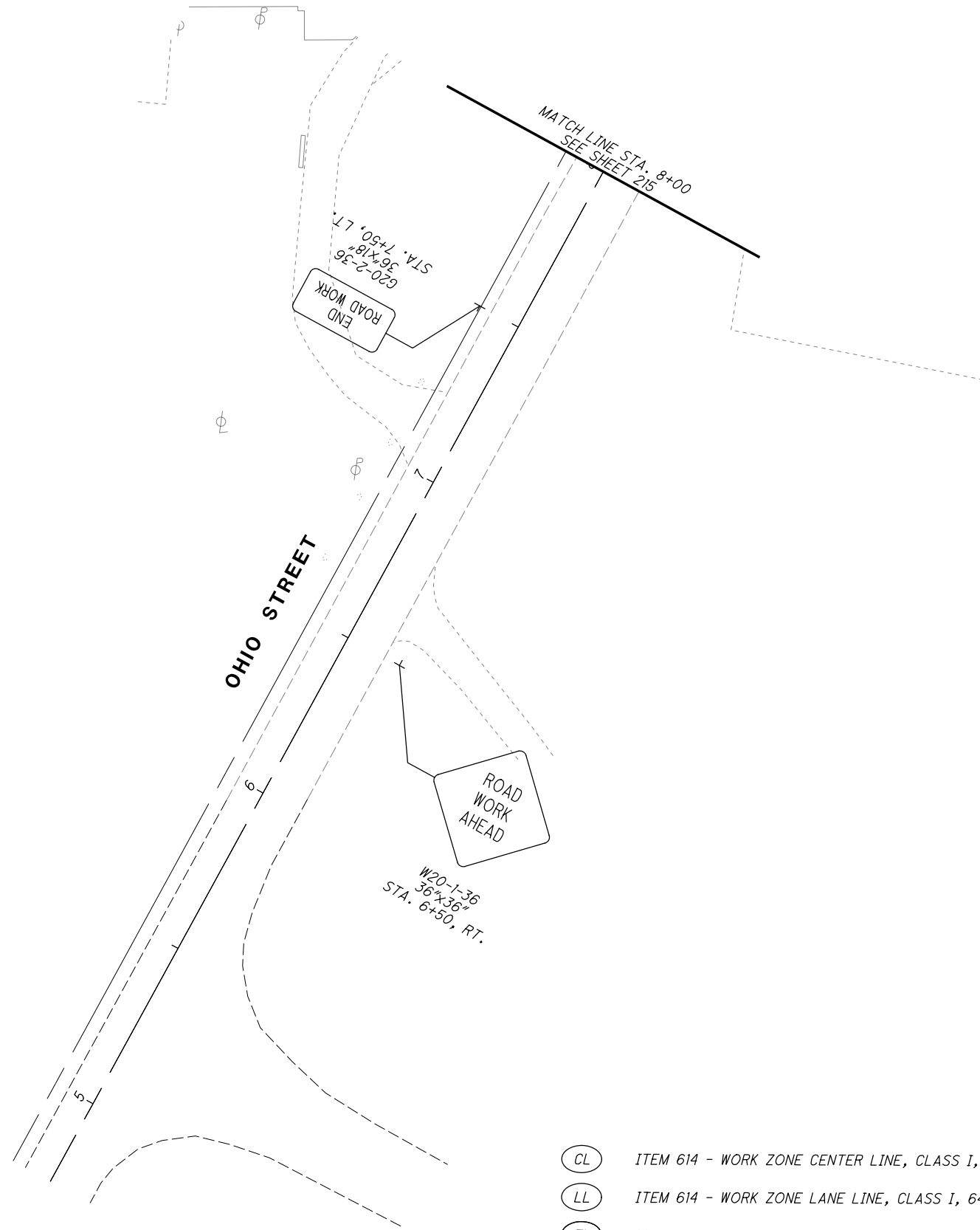
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**BLACKMORE ROAD**




**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN










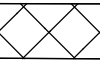

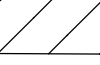


CALCULATED JDC CHECKED EJT

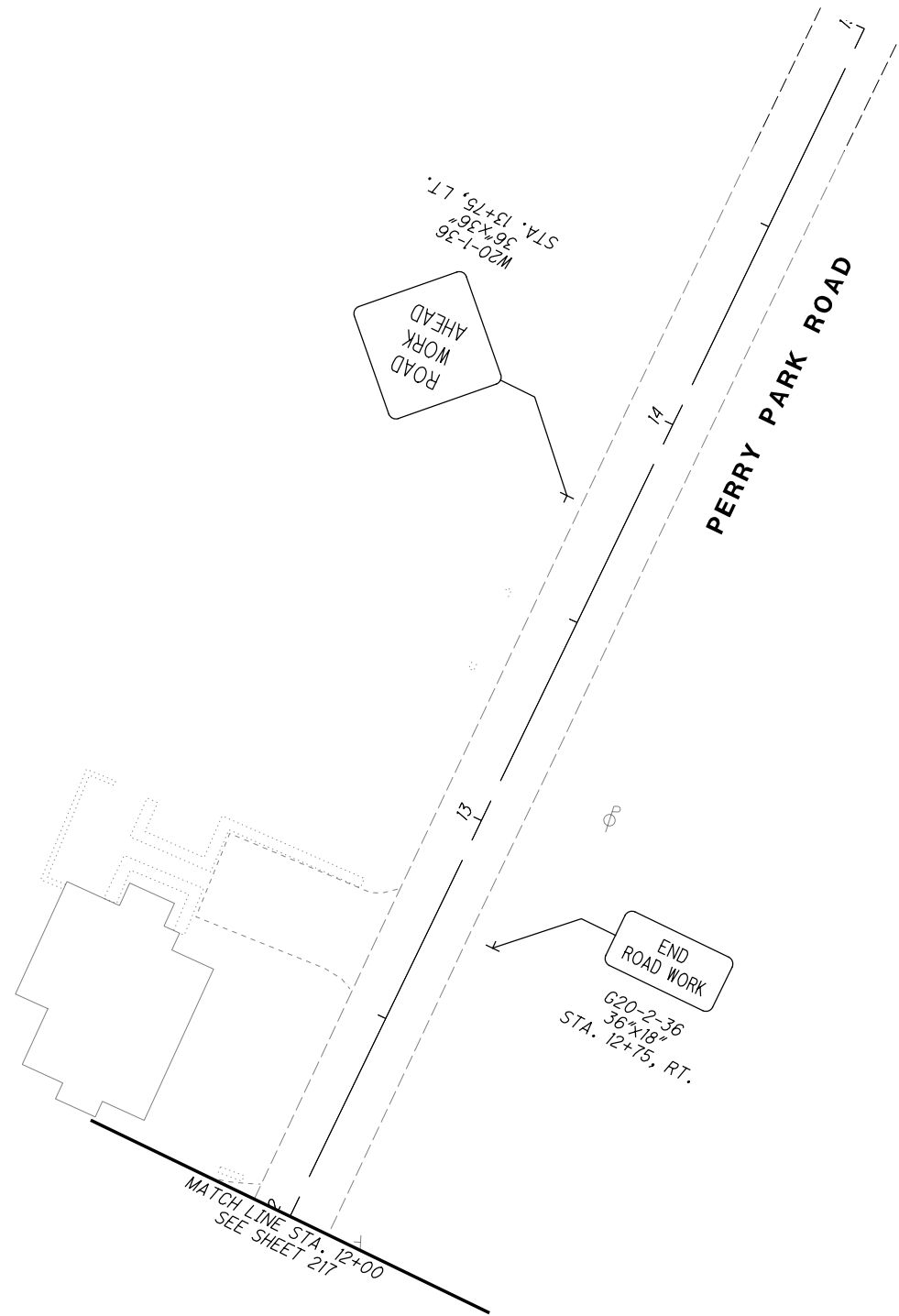



HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59 PART 1 MAINTENANCE OF TRAFFIC PLAN - PHASE 3 OHIO STREET**

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |






MATCH LINE STA. 12+00  
SEE SHEET 217

ROAD WORK AHEAD  
W20-1-36  
36"x36"  
STA. 13+75, LT.

END ROAD WORK  
G20-2-36  
36"x18"  
STA. 12+75, RT.

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN












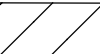


CALCULATED JDC CHECKED EJT



HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**PERRY PARK ROAD**

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

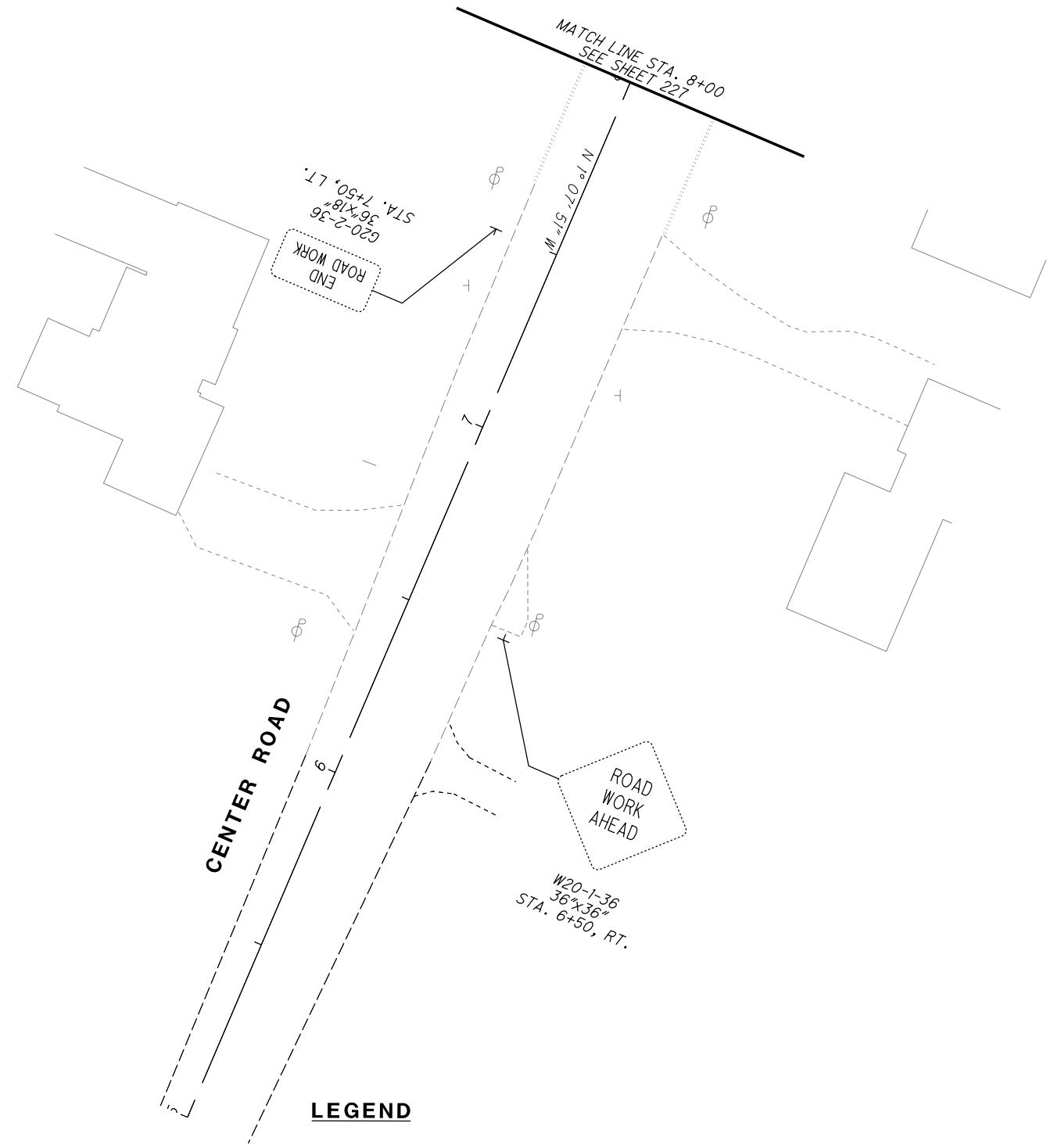
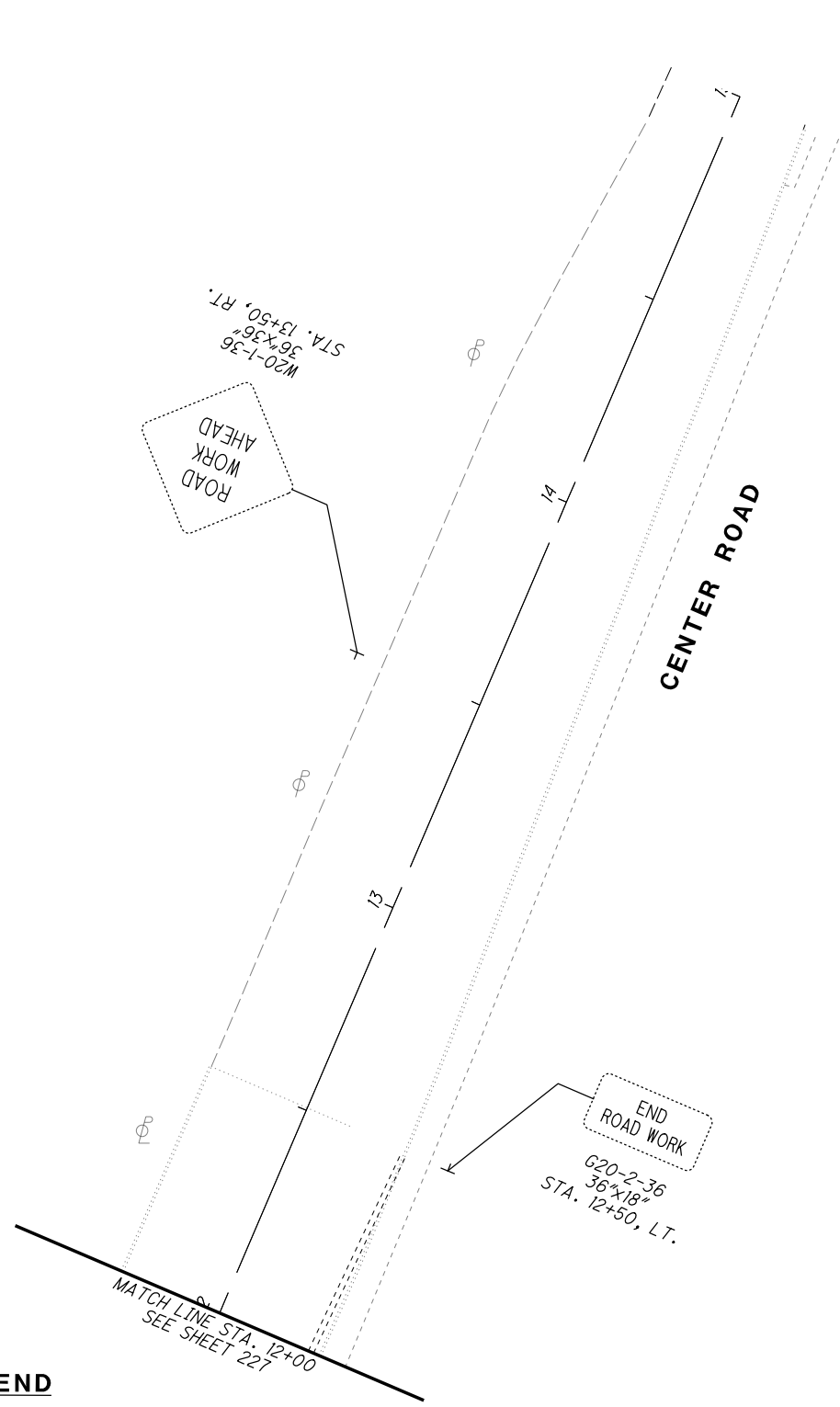
**LAK-US-20-19.59**  
**PART 1**






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





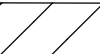
**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**CENTER ROAD**

**LAK-US-20-19.59**  
**PART 1**

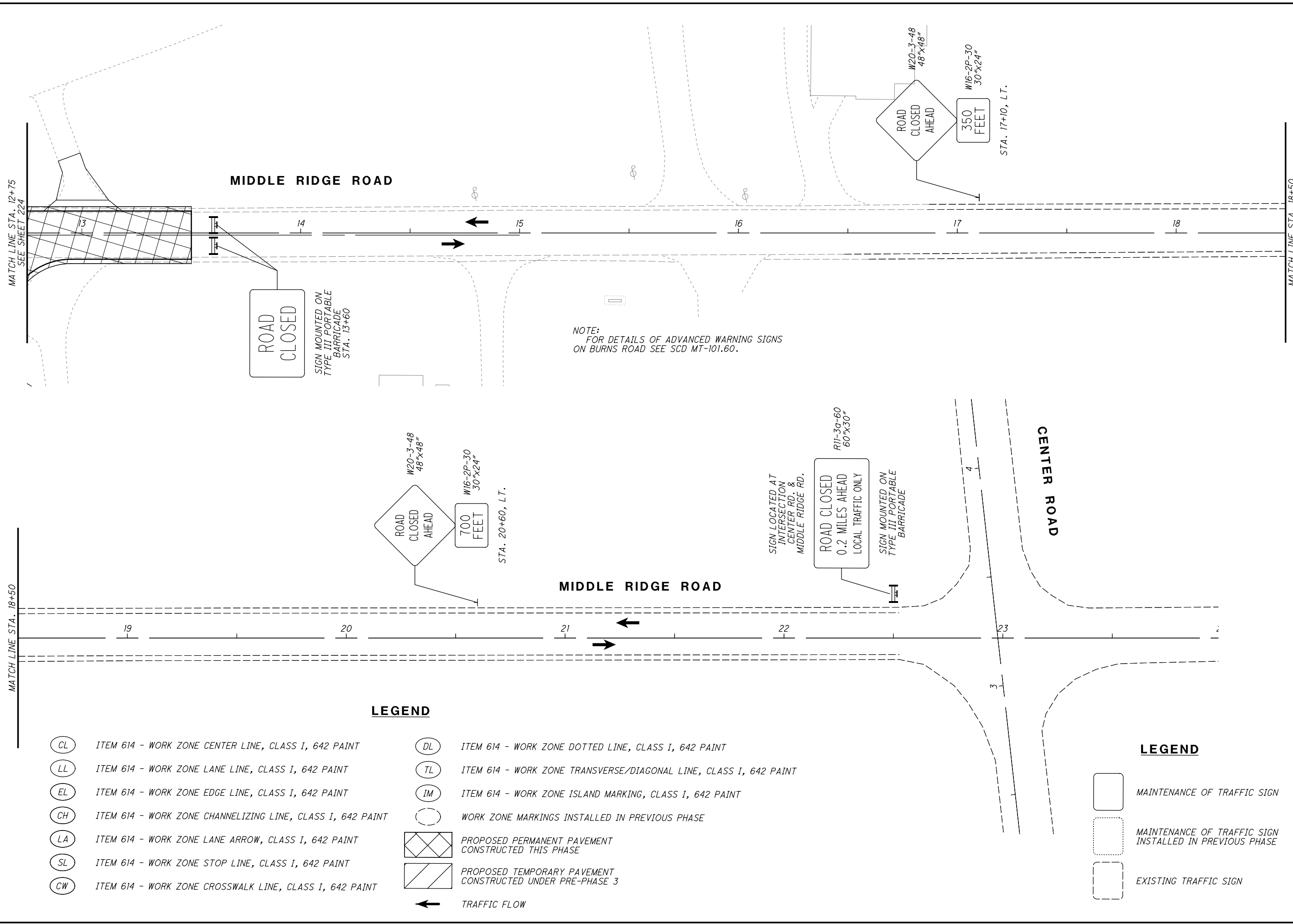


**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3

 TRAFFIC FLOW



MIDDLE RIDGE ROAD

MIDDLE RIDGE ROAD

CENTER ROAD

ROAD  
CLOSED

SIGN MOUNTED ON  
TYPE III PORTABLE  
BARRICADE  
STA. 15+60

ROAD  
CLOSED  
AHEAD

700  
FEET

STA. 20+60, L.T.

ROAD CLOSED  
0.2 MILES AHEAD  
LOCAL TRAFFIC ONLY

SIGN MOUNTED ON  
TYPE III PORTABLE  
BARRICADE

ROAD  
CLOSED  
AHEAD

350  
FEET

STA. 17+10, L.T.

NOTE:  
FOR DETAILS OF ADVANCED WARNING SIGNS  
ON BURNS ROAD SEE SCD MT-101.60.

**LEGEND**

- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- ( ) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- ( ) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- ← TRAFFIC FLOW

**LEGEND**

- ( ) MAINTENANCE OF TRAFFIC SIGN
- ( ) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- ( ) EXISTING TRAFFIC SIGN

CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 3**  
**MIDDLE RIDGE ROAD**

**LAK-US-20-19.59**  
**PART 1**

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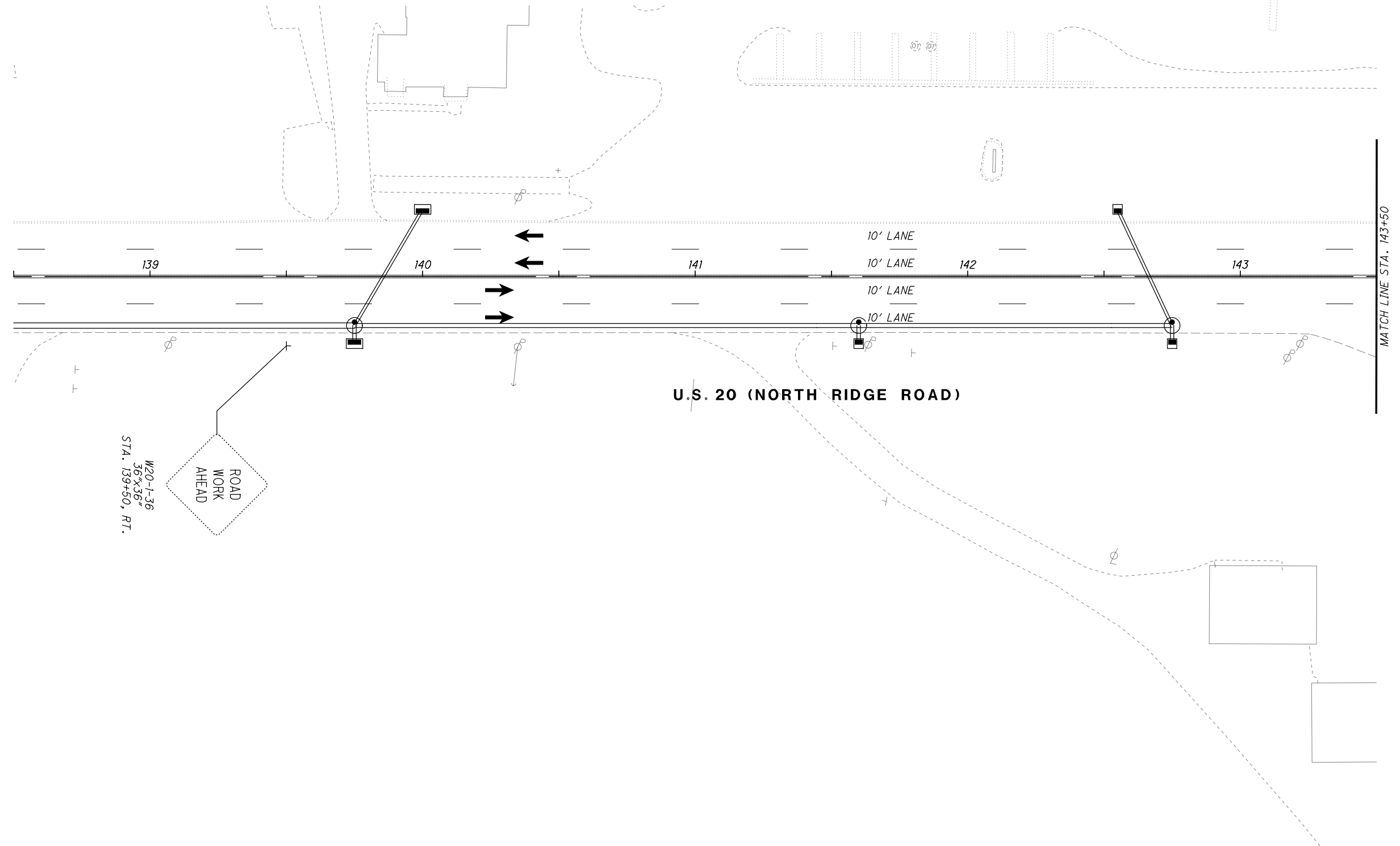
- LEGEND**
- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
  - (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
  - (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
  - (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
  - (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
  - (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
  - (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
  - (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
  - (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
  - (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
  - ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
  - [X] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
  - [/] PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3

← TRAFFIC FLOW

- LEGEND**
- [ ] MAINTENANCE OF TRAFFIC SIGN
  - [ ] MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  - [ ] EXISTING TRAFFIC SIGN

CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET



**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 138+50 TO STA. 143+50**

**LAK-US-20-19.59**  
**PART 1**

243  
1253

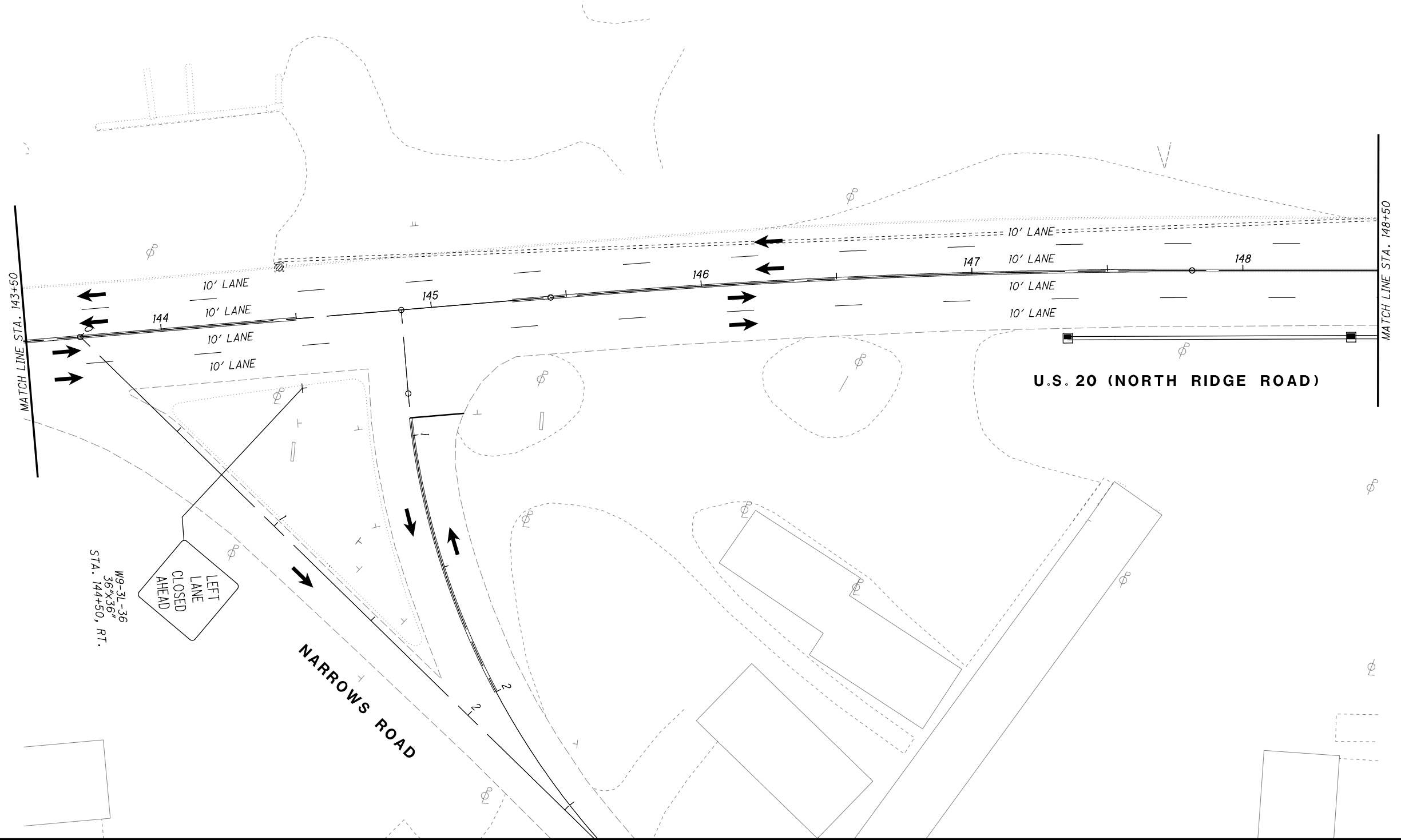
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- LEGEND**
- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
  - (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
  - (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
  - (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
  - (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
  - (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
  - (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
  - (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
  - (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
  - (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
  - ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
  - (X) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
  - (/) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
  - (←) TRAFFIC FLOW

- LEGEND**
- ( ) MAINTENANCE OF TRAFFIC SIGN
  - ( ) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  - ( ) EXISTING TRAFFIC SIGN

CALCULATED JDC  
CHECKED EUT

HORIZONTAL SCALE IN FEET

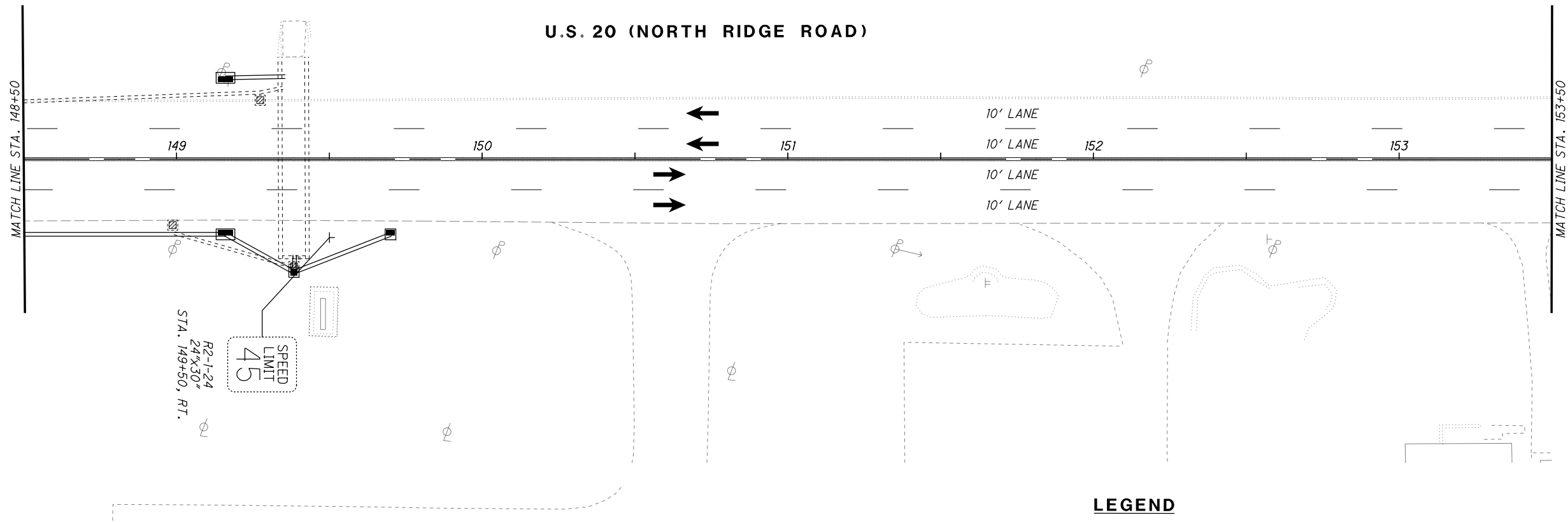


**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 143+50 TO STA. 148+50**




**LAK-US-20-19.59**  
**PART 1**








244  
1253

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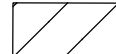



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW



CALCULATED  
JDC  
CHECKED  
EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 4  
STA. 148+50 TO STA. 153+50**

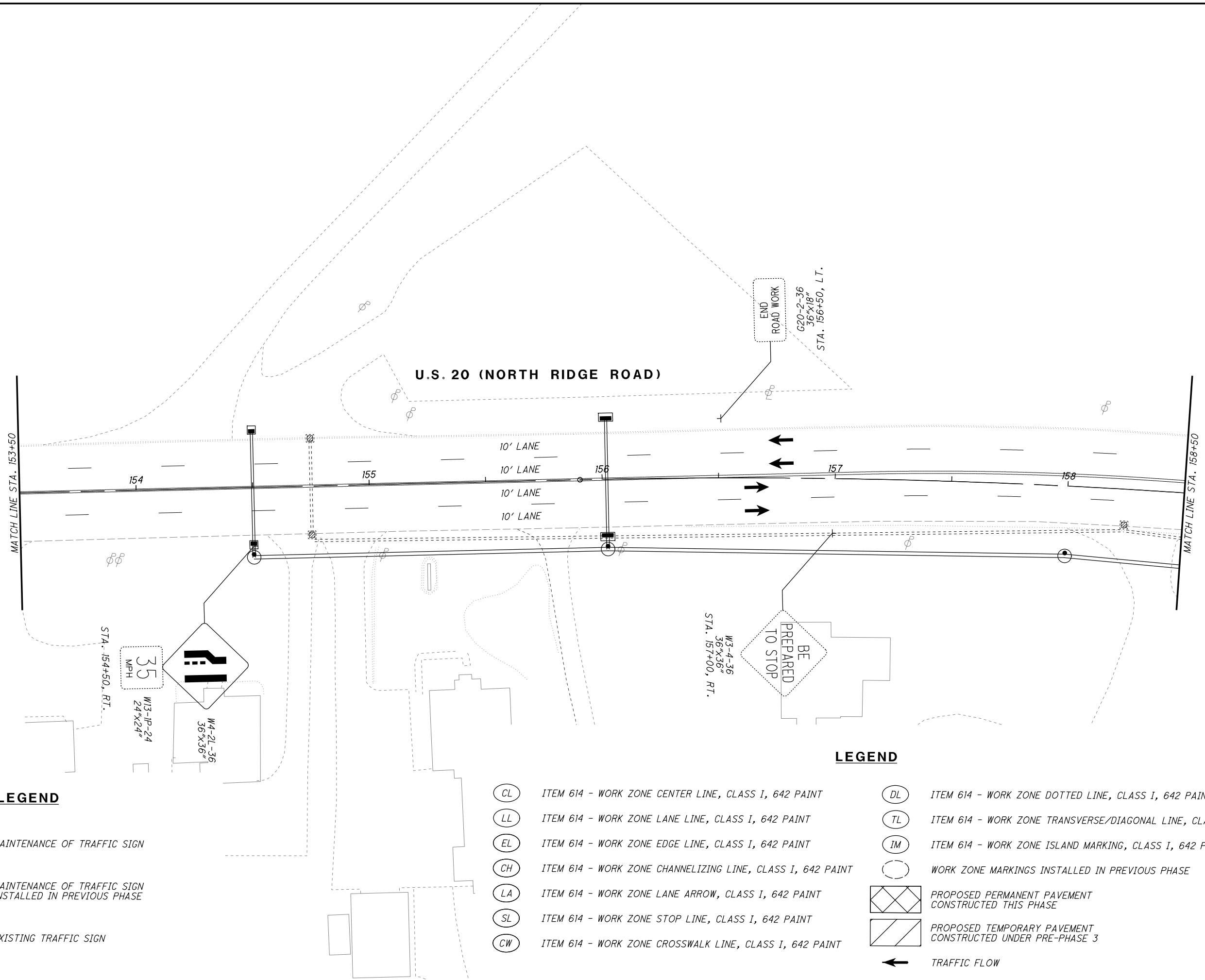
**LAK-US-20-19.59  
PART 1**

245  
1253












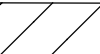




**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN



**LEGEND**

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT		WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT		PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT		PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT		TRAFFIC FLOW

0 20 40  
HORIZONTAL  
SCALE IN FEET

CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 153+50 TO STA. 158+50**

**LAK-US-20-19.59**  
**PART 1**

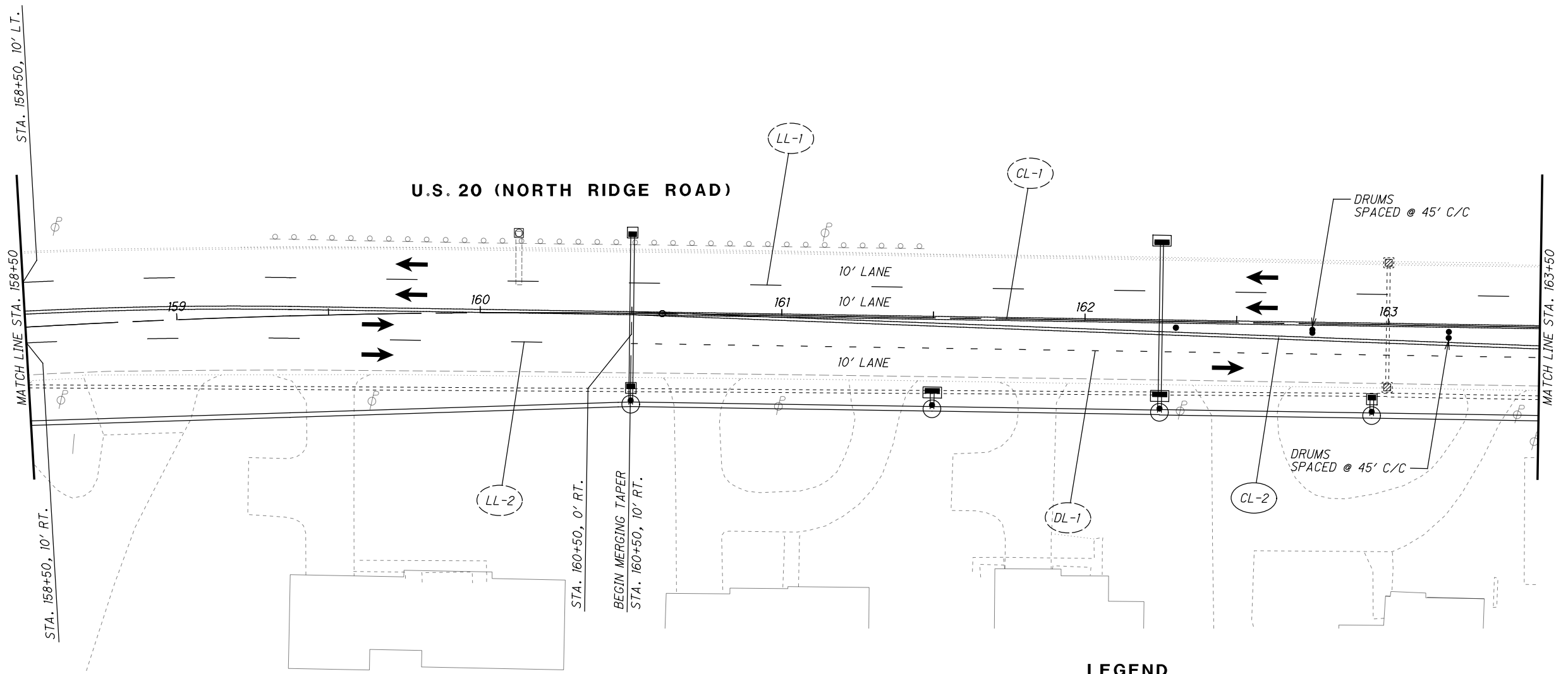
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 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 158+50 TO STA. 163+50**








**LAK-US-20-19.59**  
**PART 1**






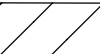

247  
1253



**LEGEND**




-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN








-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW








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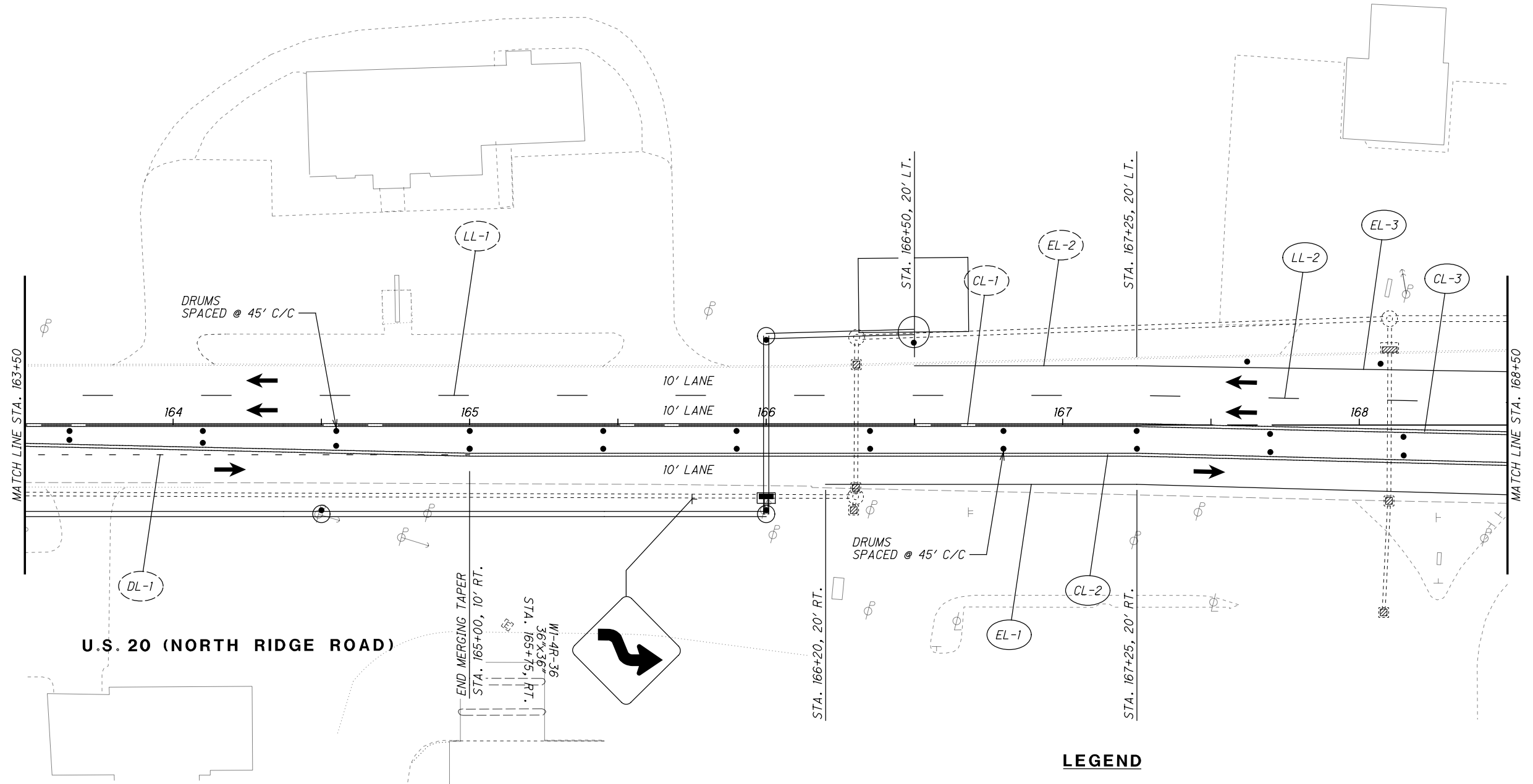
**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
	TRAFFIC FLOW



CALCULATED JDC CHECKED EJT

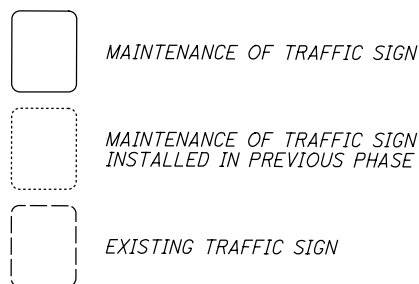
0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 163+50 TO STA. 168+50**

**LAK-US-20-19.59**  
**PART 1**

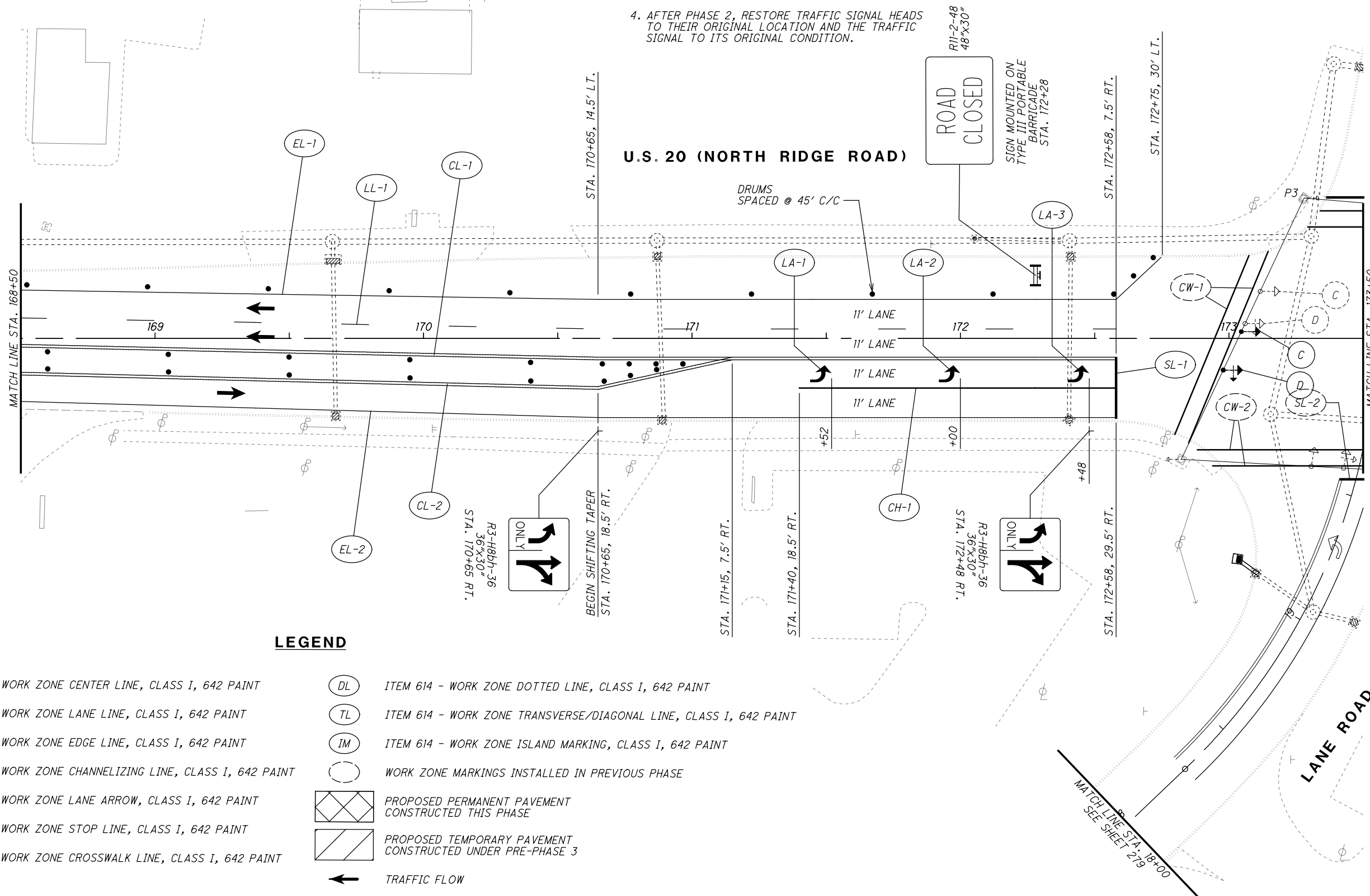
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**LEGEND**



**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" BACK TO THEIR ORIGINAL LOCATIONS:  
 SIGNAL HEAD "A": 55.5 FEET FROM POLE P1  
 SIGNAL HEAD "B": 68.8 FEET FROM POLE P1
2. MOVE EXISTING SIGNAL HEAD "C" AND "D" TO THE FOLLOWING NEW LOCATIONS:  
 SIGNAL HEAD "C": 55.0 FEET FROM POLE P3  
 SIGNAL HEAD "D": 70.9 FEET FROM POLE P3
3. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.
4. AFTER PHASE 2, RESTORE TRAFFIC SIGNAL HEADS TO THEIR ORIGINAL LOCATION AND THE TRAFFIC SIGNAL TO ITS ORIGINAL CONDITION.



**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

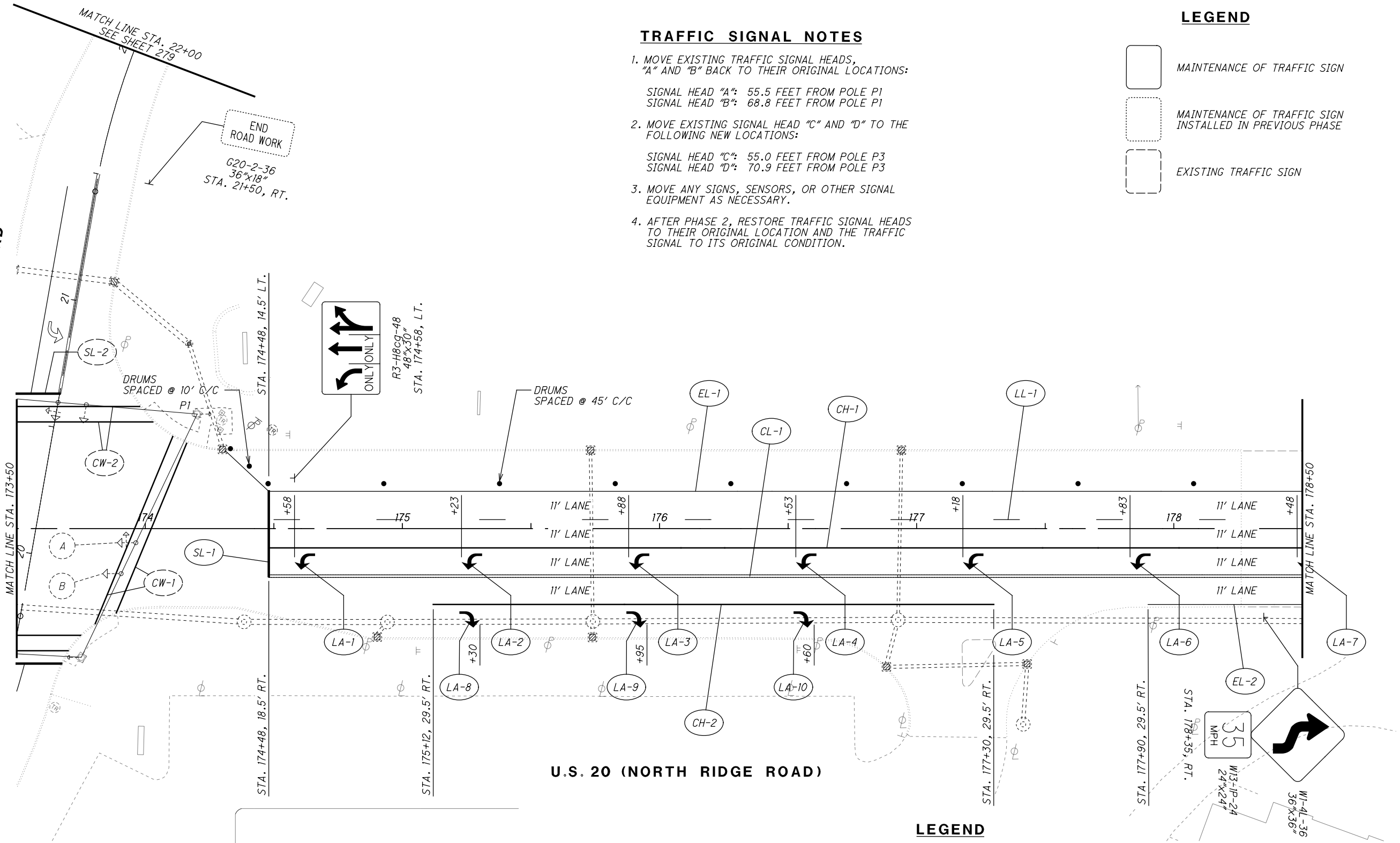


MAINTENANCE OF TRAFFIC PLAN - PHASE 4  
 STA. 168+50 TO STA. 173+50

LAK-US-20-19.59  
 PART 1

249  
 1253

LANE ROAD



**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" BACK TO THEIR ORIGINAL LOCATIONS:  
 SIGNAL HEAD "A": 55.5 FEET FROM POLE P1  
 SIGNAL HEAD "B": 68.8 FEET FROM POLE P1
2. MOVE EXISTING SIGNAL HEAD "C" AND "D" TO THE FOLLOWING NEW LOCATIONS:  
 SIGNAL HEAD "C": 55.0 FEET FROM POLE P3  
 SIGNAL HEAD "D": 70.9 FEET FROM POLE P3
3. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.
4. AFTER PHASE 2, RESTORE TRAFFIC SIGNAL HEADS TO THEIR ORIGINAL LOCATION AND THE TRAFFIC SIGNAL TO ITS ORIGINAL CONDITION.

**LEGEND**

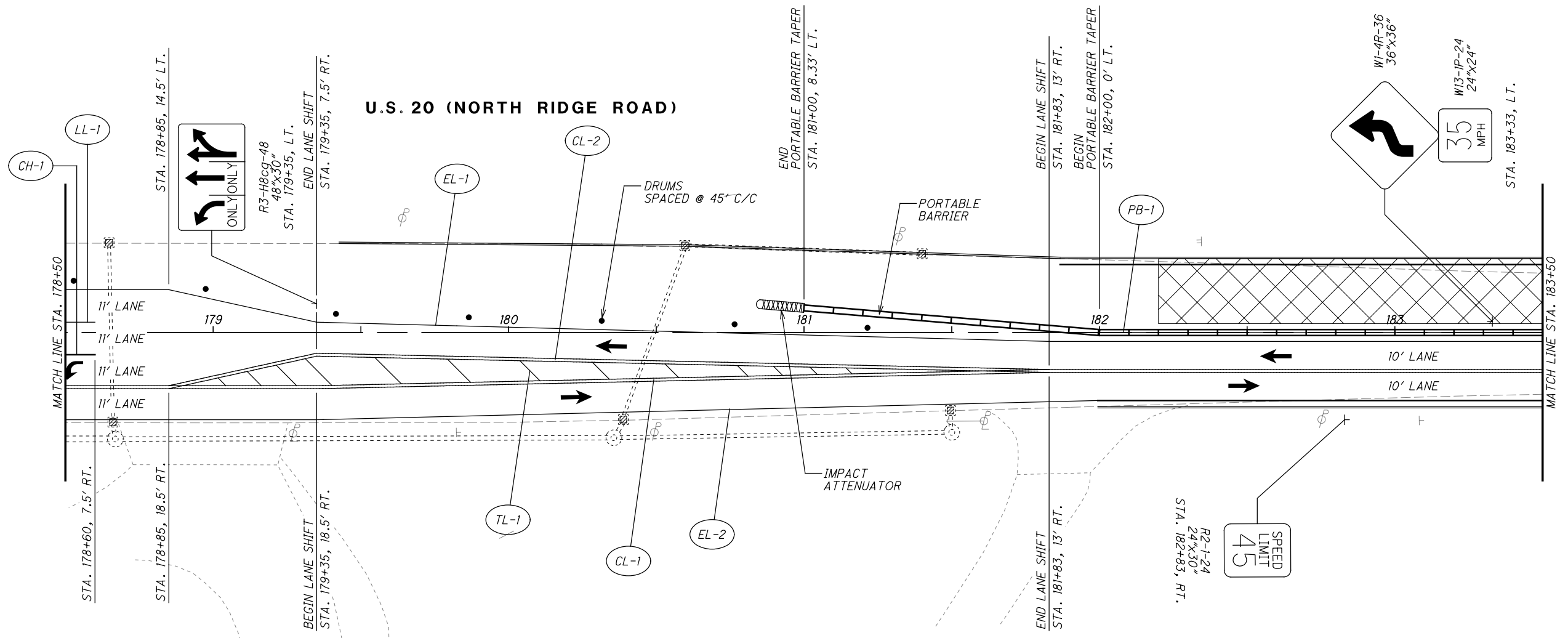
- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

0 20 40  
 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT




**U.S. 20 (NORTH RIDGE ROAD)**








**LEGEND**








- |  |   |
|--|---|
| ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
| ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | TRAFFIC FLOW  |



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  CL ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  LL ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  EL ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  CH ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  LA ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  SL ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  CW ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

-  DL ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  TL ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  IM ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

**LEGEND**

**SPEED LIMIT 45**

**35 MPH**



W13-IP-24 24x24 inch sign showing a speed limit of 35 MPH.

W1-4R-36 36x36 inch sign showing a curve to the right.

W13-IP-24 24x24 inch sign showing a speed limit of 35 MPH.

STA. 183+33, L.T.

**U.S. 20 (NORTH RIDGE ROAD)**

MATCH LINE STA. 178+50

MATCH LINE STA. 183+50

STA. 178+60, 7.5' RT.  
 STA. 178+85, 14.5' LT.  
 STA. 179+35, 7.5' RT.

BEGIN LANE SHIFT STA. 179+35, 18.5' RT.  
 END LANE SHIFT STA. 179+35, 7.5' RT.

END PORTABLE BARRIER TAPER STA. 181+00, 8.33' L.T.

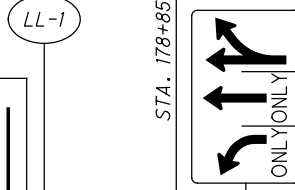
BEGIN LANE SHIFT STA. 181+83, 13' RT.  
 BEGIN PORTABLE BARRIER TAPER STA. 182+00, 0' L.T.

R2-1-24 24x30 inch sign showing a speed limit of 45.

DRUMS SPACED @ 45' C/C

PORTABLE BARRIER

IMPACT ATTENUATOR



CH-1

LL-1

EL-1

CL-2

TL-1

CL-1

EL-2

PB-1

11' LANE  
 11' LANE  
 11' LANE  
 11' LANE

10' LANE  
 10' LANE

179

180

181

182

183

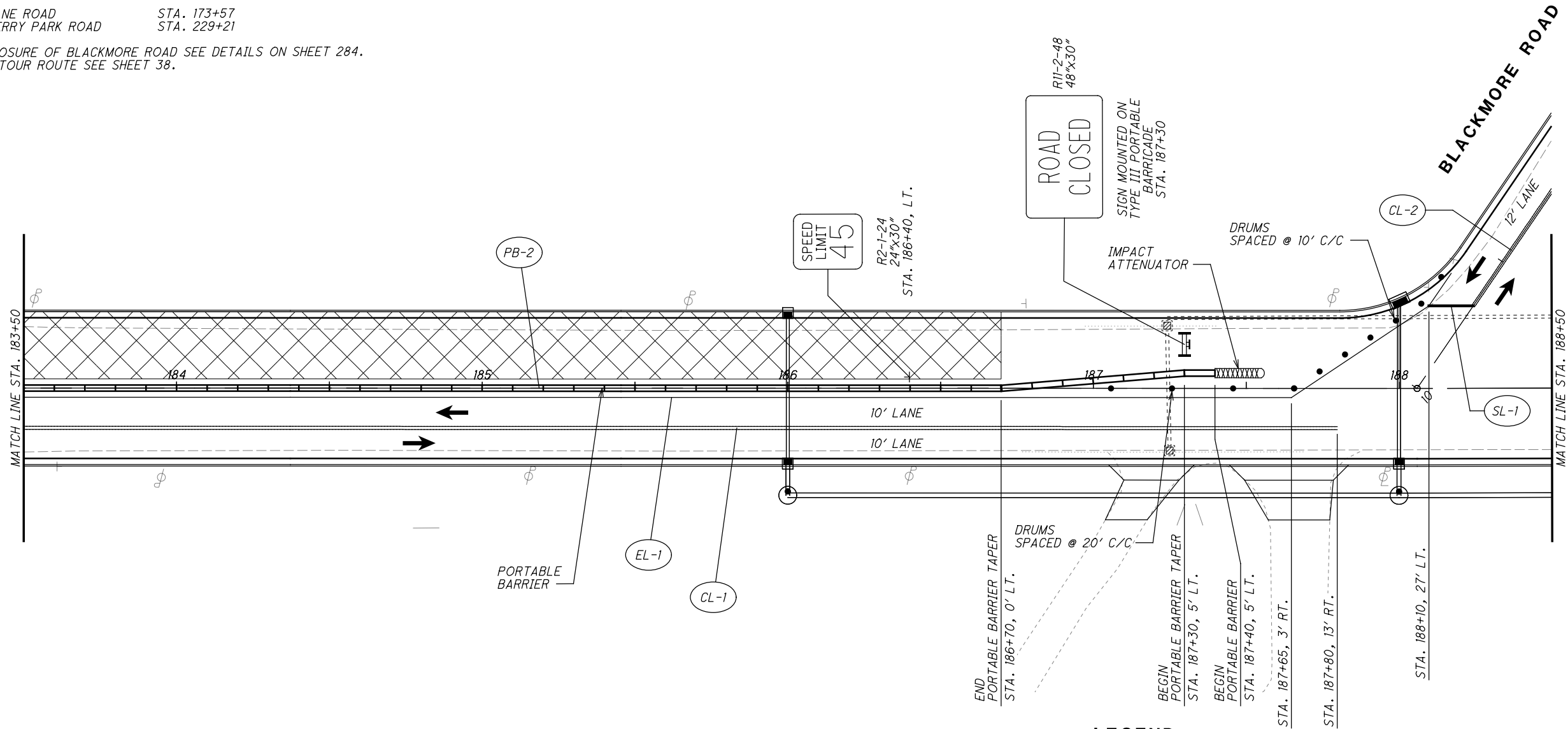
NOTE:  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE BLACKMORE ROAD AT STA. 188+06, LT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT BLACKMORE ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.




THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.













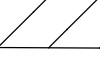
LANE ROAD STA. 173+57  
 PERRY PARK ROAD STA. 229+21

FOR CLOSURE OF BLACKMORE ROAD SEE DETAILS ON SHEET 284.  
 FOR DETOUR ROUTE SEE SHEET 38.



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3

 TRAFFIC FLOW

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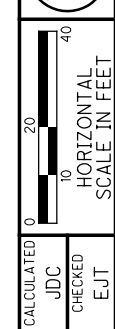
CALCULATED JDC  
 CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4  
 STA. 183+50 TO STA. 188+50**

**LAK-US-20-19.59  
 PART 1**

252  
 1253

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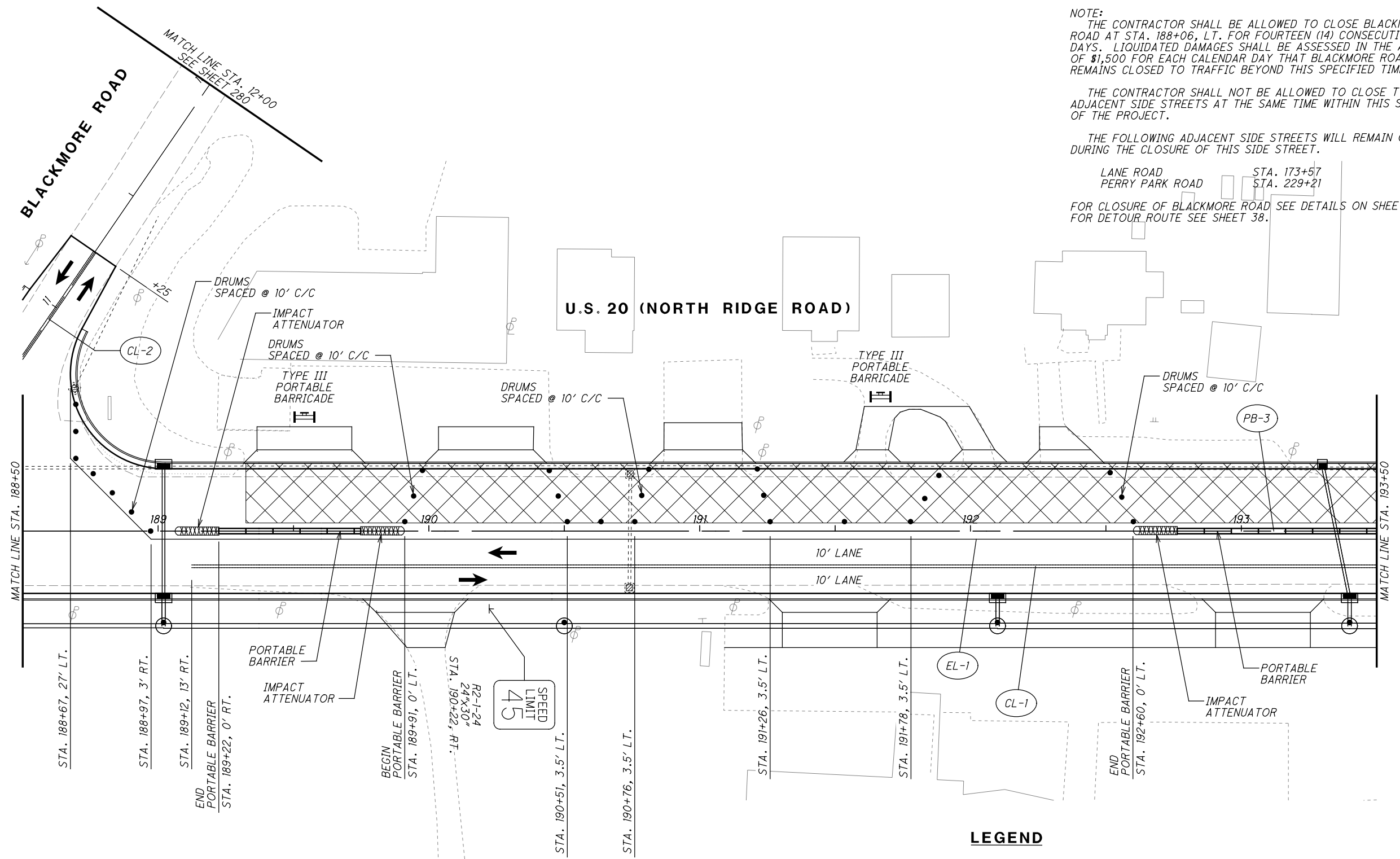
**NOTE:**  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE BLACKMORE ROAD AT STA. 188+06, LT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT BLACKMORE ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

LANE ROAD STA. 173+57  
 PERRY PARK ROAD STA. 229+21

FOR CLOSURE OF BLACKMORE ROAD SEE DETAILS ON SHEET 284.  
 FOR DETOUR ROUTE SEE SHEET 38.



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW



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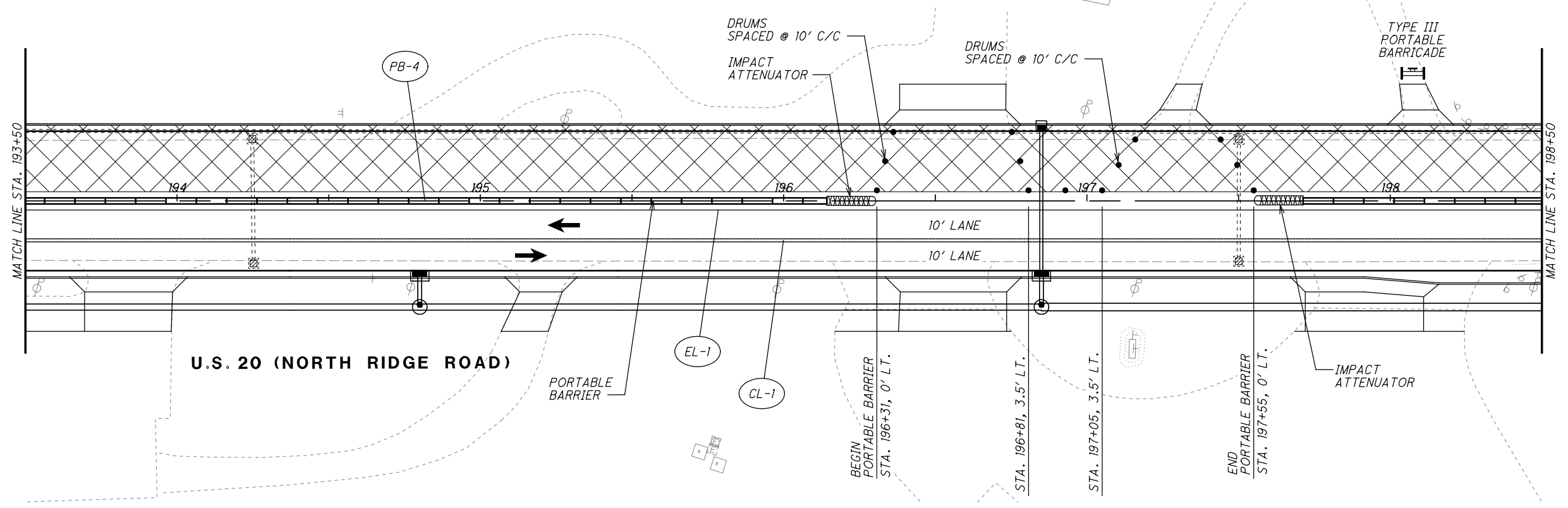
CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 193+50 TO STA. 198+50**

**LAK-US-20-19.59**  
**PART 1**

254  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

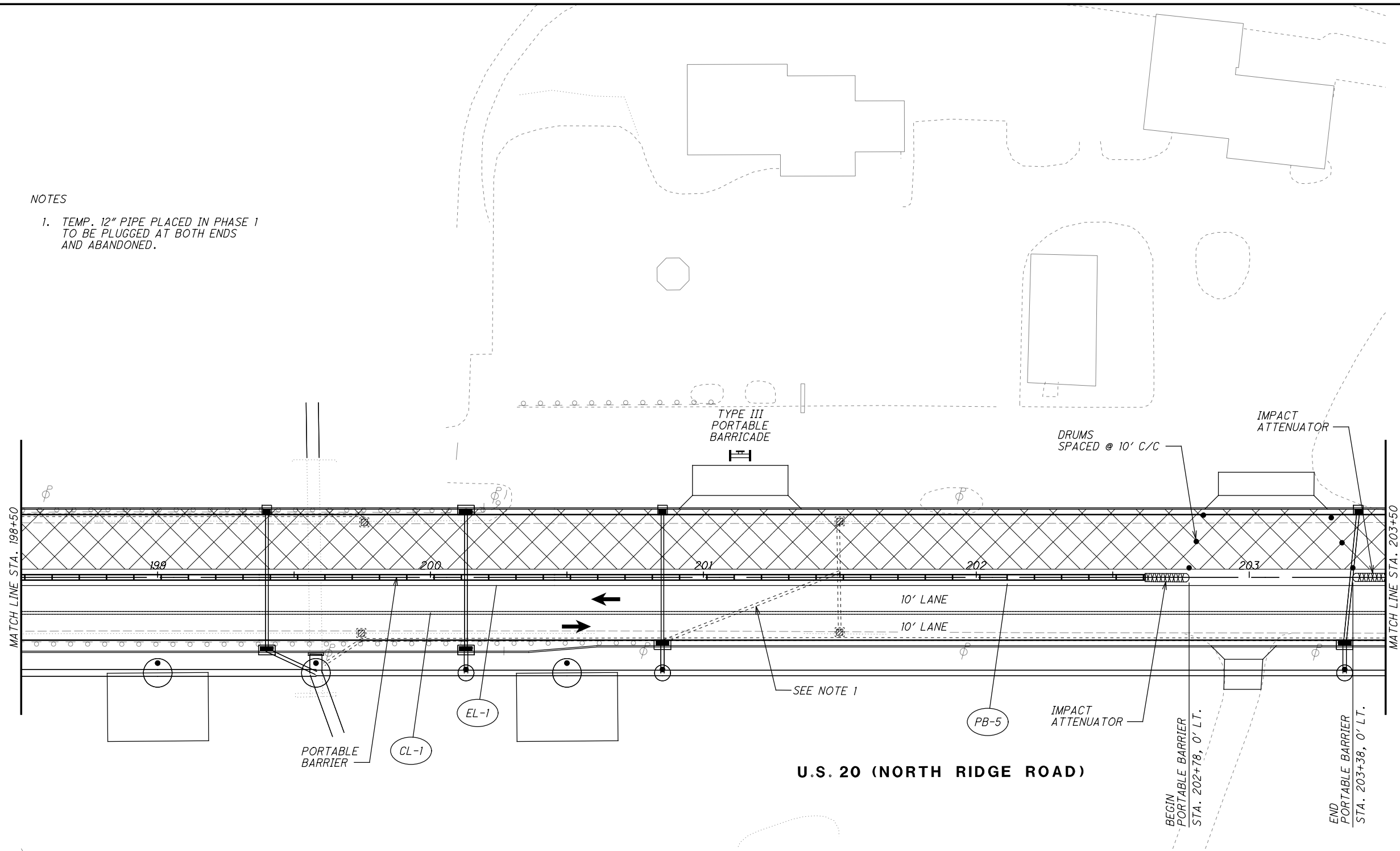
**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

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**NOTES**

1. TEMP. 12" PIPE PLACED IN PHASE 1 TO BE PLUGGED AT BOTH ENDS AND ABANDONED.



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
| ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
| ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | TRAFFIC FLOW  |

CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4  
STA. 198+50 TO STA. 203+50**

**LAK-US-20-19.59  
PART 1**

255  
1253

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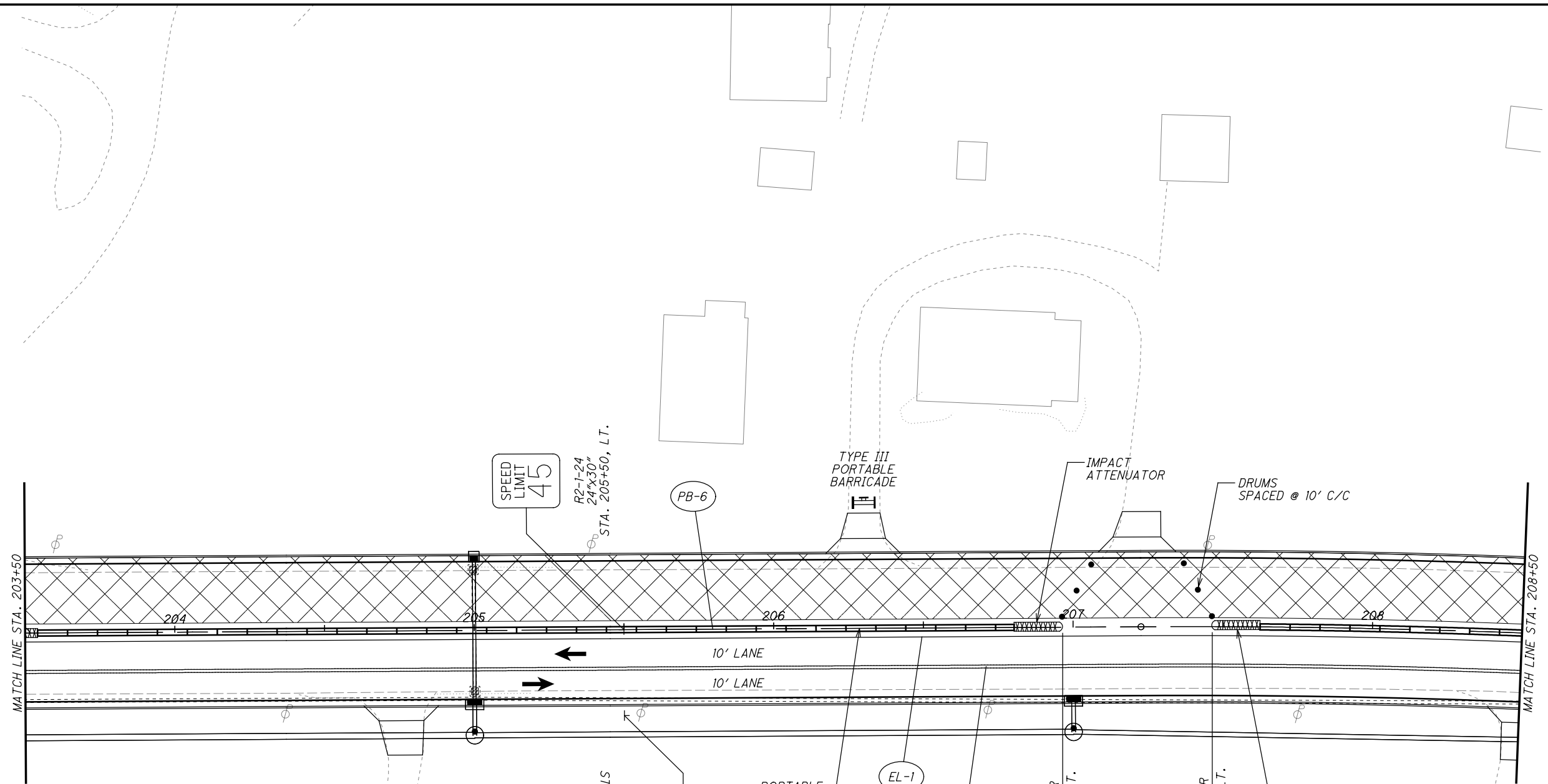

  

  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 203+50 TO STA. 208+50**




**LAK-US-20-19.59**  
**PART 1**








256  
 1253








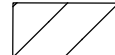

**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

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CALCULATED JDC  
 CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET

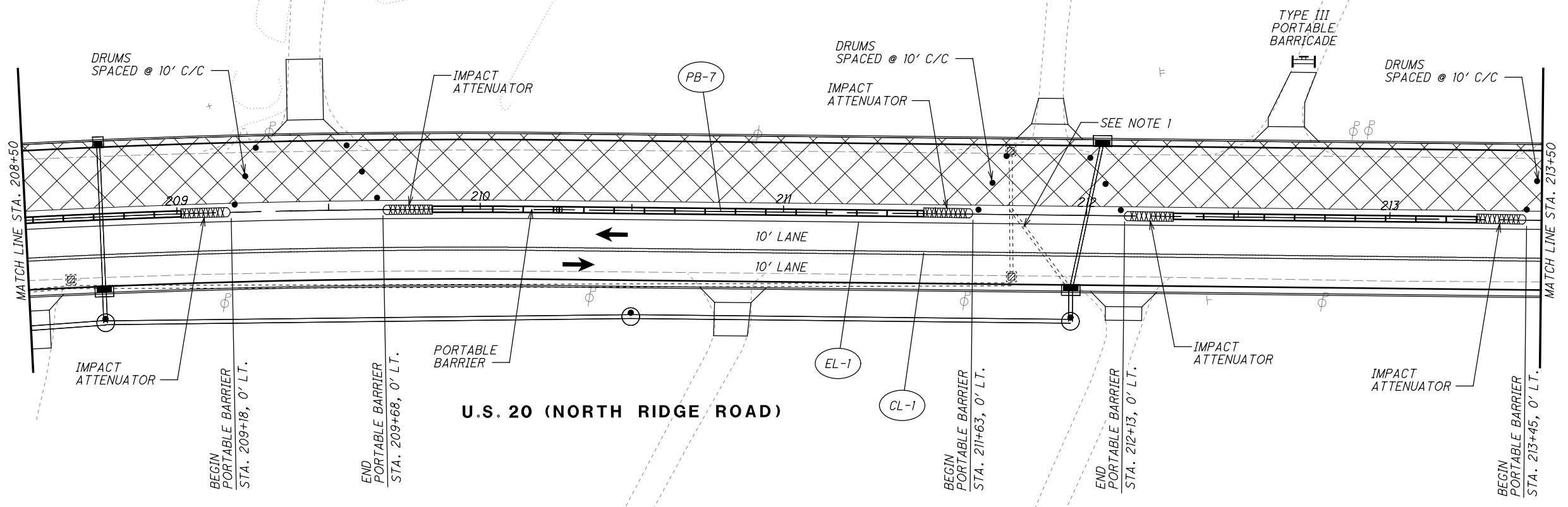
**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 208+50 TO STA. 213+50**

**LAK-US-20-19.59**  
**PART 1**




257  
 1253








**NOTES**

1. TEMP. 12" PIPE PLACED IN PHASE 1 TO BE PLUGGED AT BOTH ENDS AND ABANDONED.






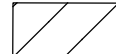



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

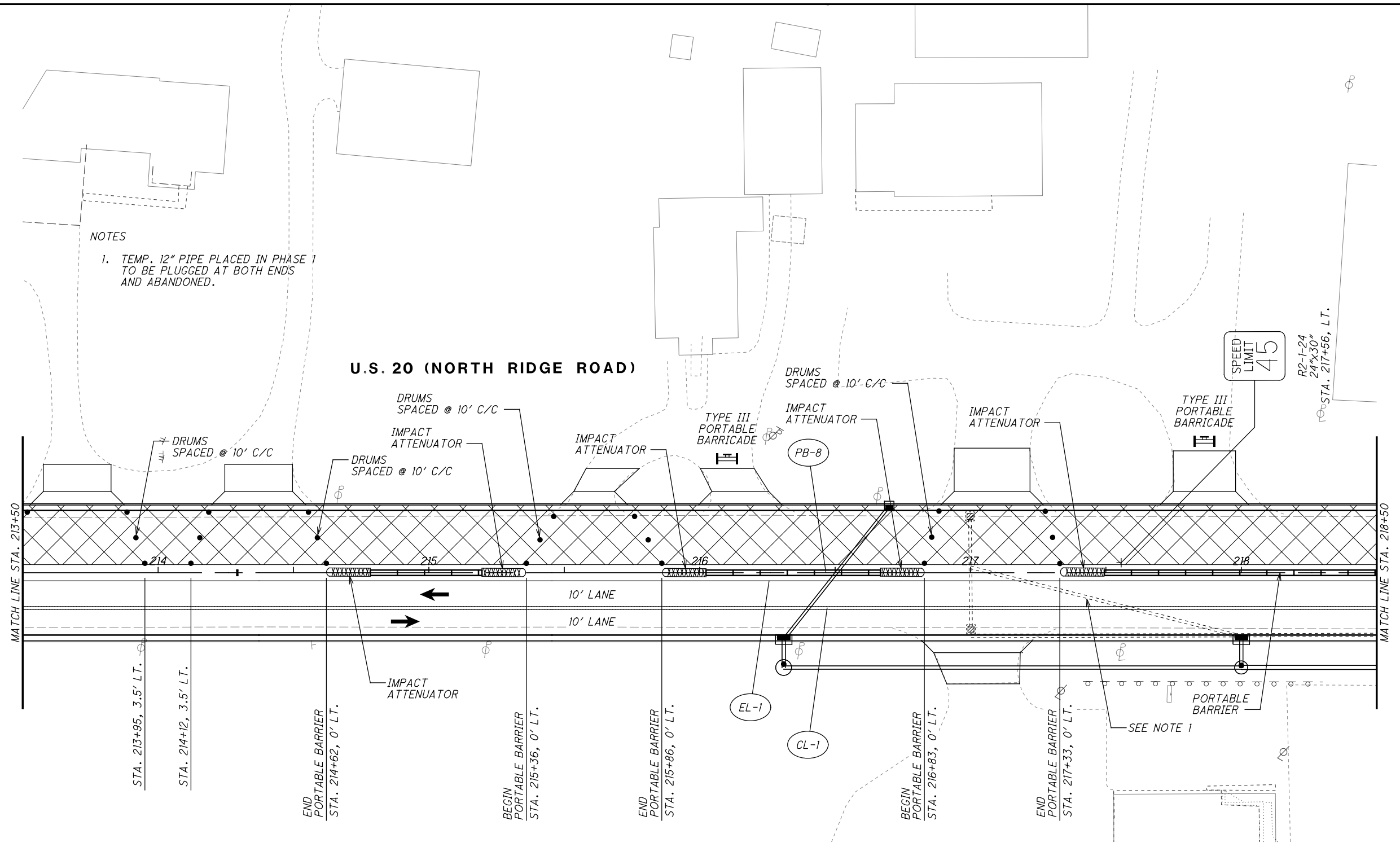
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 0 10 20 40  
 HORIZONTAL  
 SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 213+50 TO STA. 218+50**




**LAK-US-20-19.59**  
**PART 1**

258  
1253










**NOTES**  
 1. TEMP. 12" PIPE PLACED IN PHASE 1 TO BE PLUGGED AT BOTH ENDS AND ABANDONED.








**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

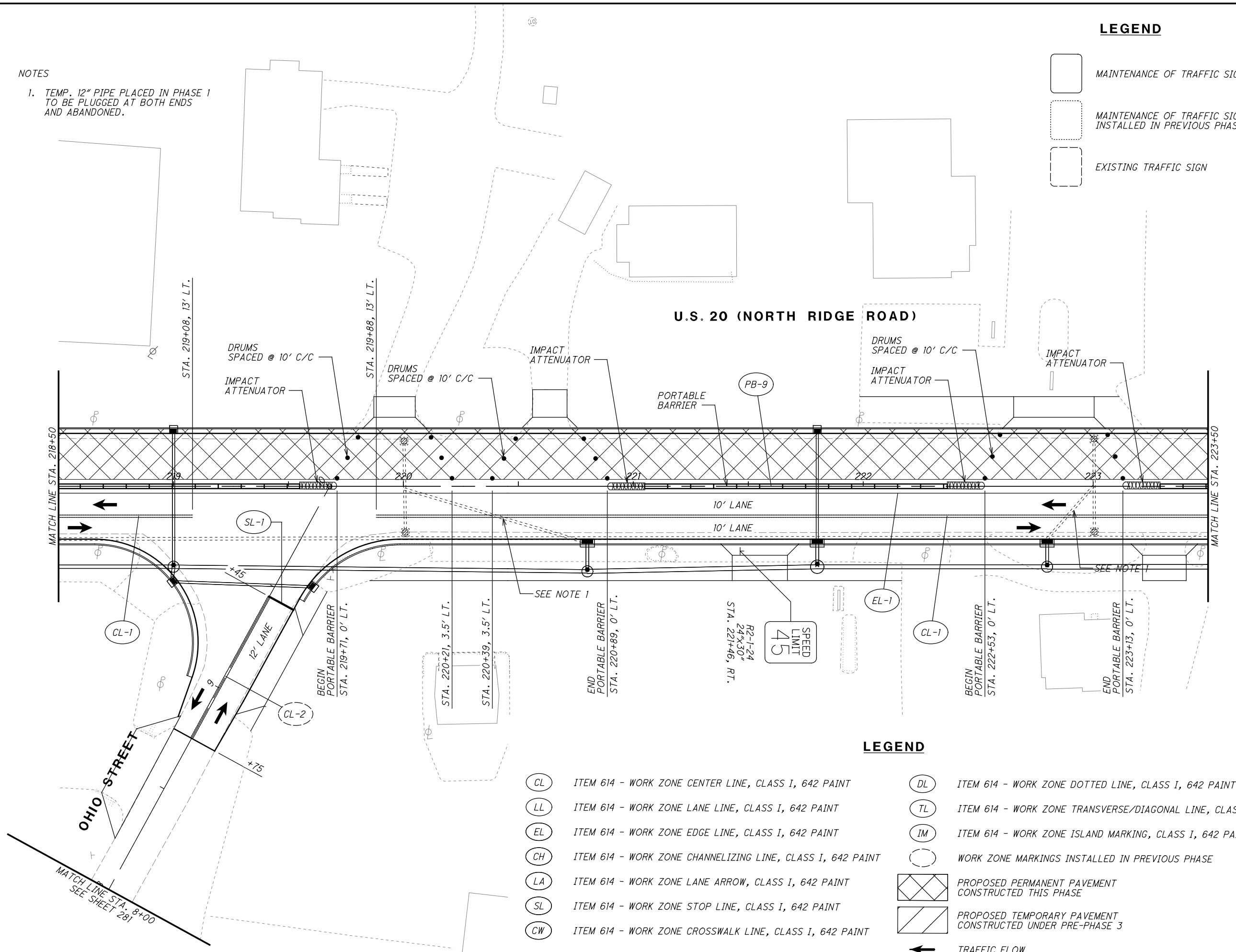
**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW




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**NOTES**

1. TEMP. 12" PIPE PLACED IN PHASE 1 TO BE PLUGGED AT BOTH ENDS AND ABANDONED.



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN










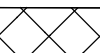




CALCULATED JDC CHECKED EJT



0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 218+50 TO STA. 223+50**

**LEGEND**




- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**LAK-US-20-19.59**  
**PART 1**








259  
1253

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

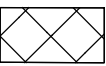


**LEGEND**

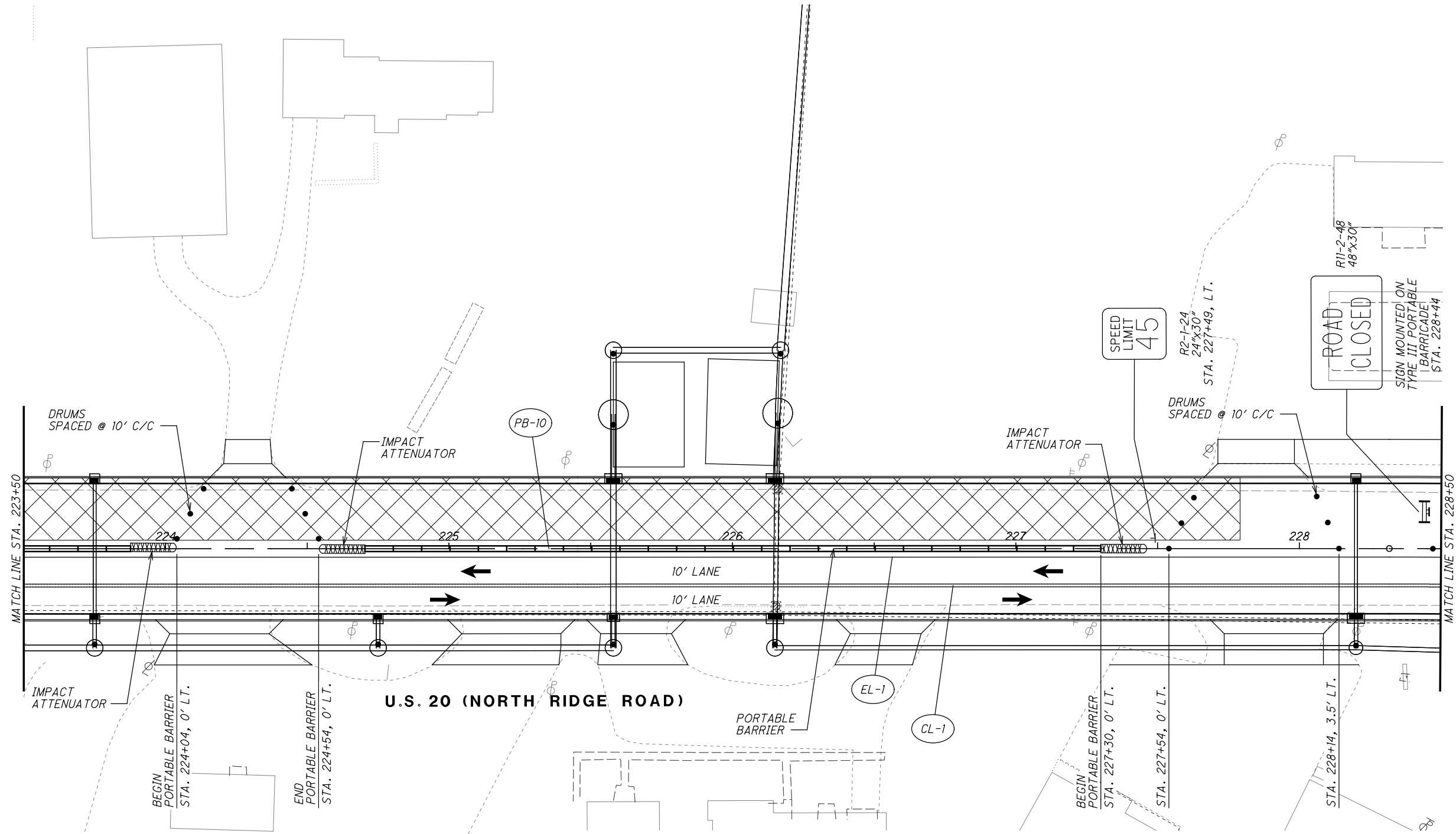
	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

**LEGEND**

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
	TRAFFIC FLOW



CALCULATED JDC  
CHECKED EJT

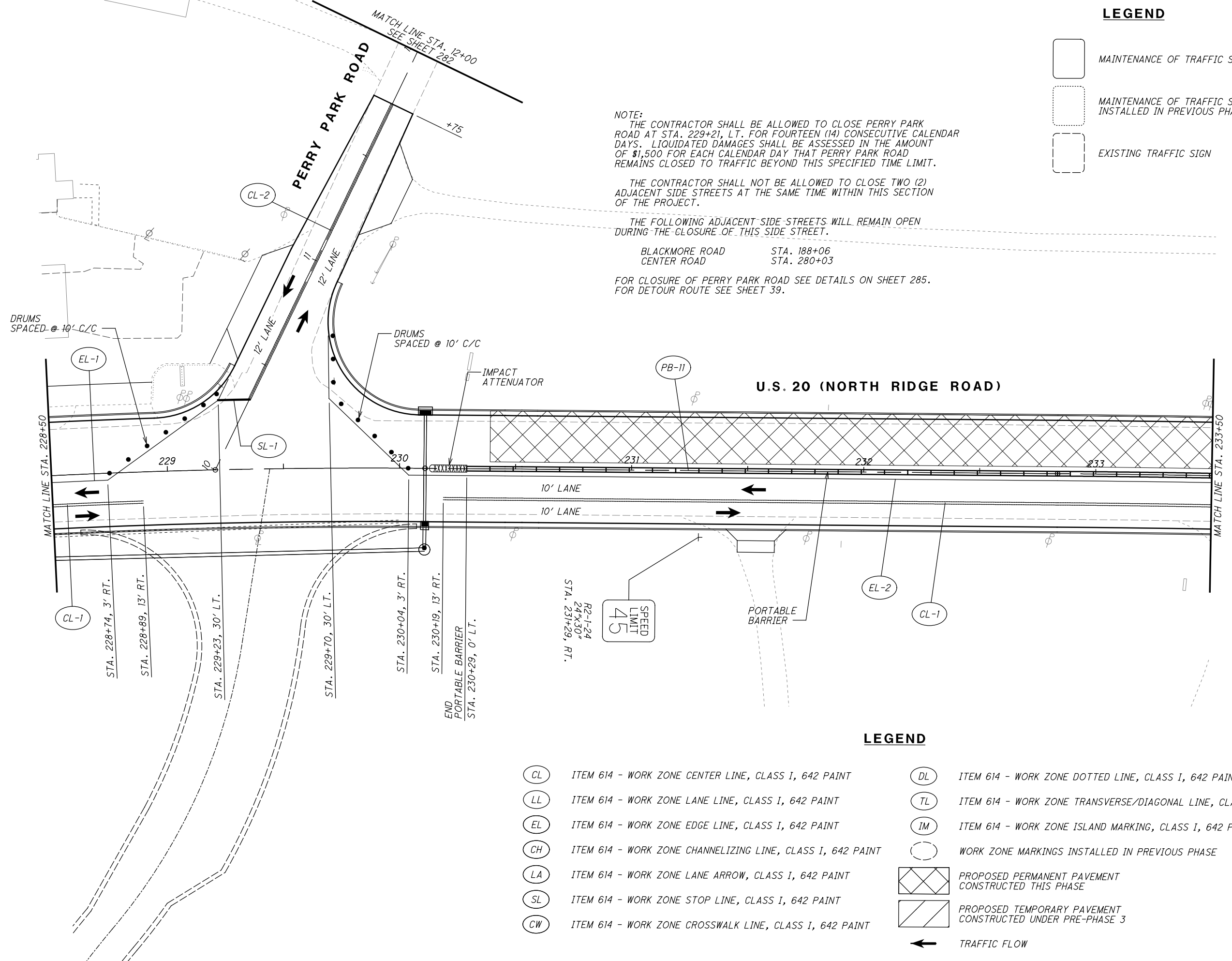
0 20 40  
10  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 223+50 TO STA. 228+50**

**LAK-US-20-19.59**  
**PART 1**

260  
1253

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**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**NOTE:**  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE PERRY PARK ROAD AT STA. 229+21, LT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT PERRY PARK ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

BLACKMORE ROAD STA. 188+06  
 CENTER ROAD STA. 280+03

FOR CLOSURE OF PERRY PARK ROAD SEE DETAILS ON SHEET 285.  
 FOR DETOUR ROUTE SEE SHEET 39.

**LEGEND**

- |   |   |
|---|---|
| <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CL</span> ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | <span style="border: 1px dotted black; border-radius: 50%; padding: 2px;">DL</span> ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT  |
| <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">LL</span> ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">TL</span> ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT                                  |
| <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">EL</span> ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">IM</span> ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT  |
| <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CH</span> ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | <span style="border: 1px dotted black; border-radius: 50%; padding: 2px;">○</span> WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE   |
| <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">LA</span> ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | <span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px; transform: rotate(45deg);"></span> PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE         |
| <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">SL</span> ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | <span style="border: 1px solid black; display: inline-block; width: 15px; height: 10px; transform: rotate(-45deg);"></span> PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3 |
| <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CW</span> ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | <span style="display: inline-block; width: 15px; height: 10px; border-bottom: 1px solid black;"></span> TRAFFIC FLOW  |

HORIZONTAL SCALE IN FEET

CALCULATED JDC  
 CHECKED EJT

**LAK-US-20-19.59**

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**

**STA. 228+50 TO STA. 233+50**

**PART 1**

261  
1253



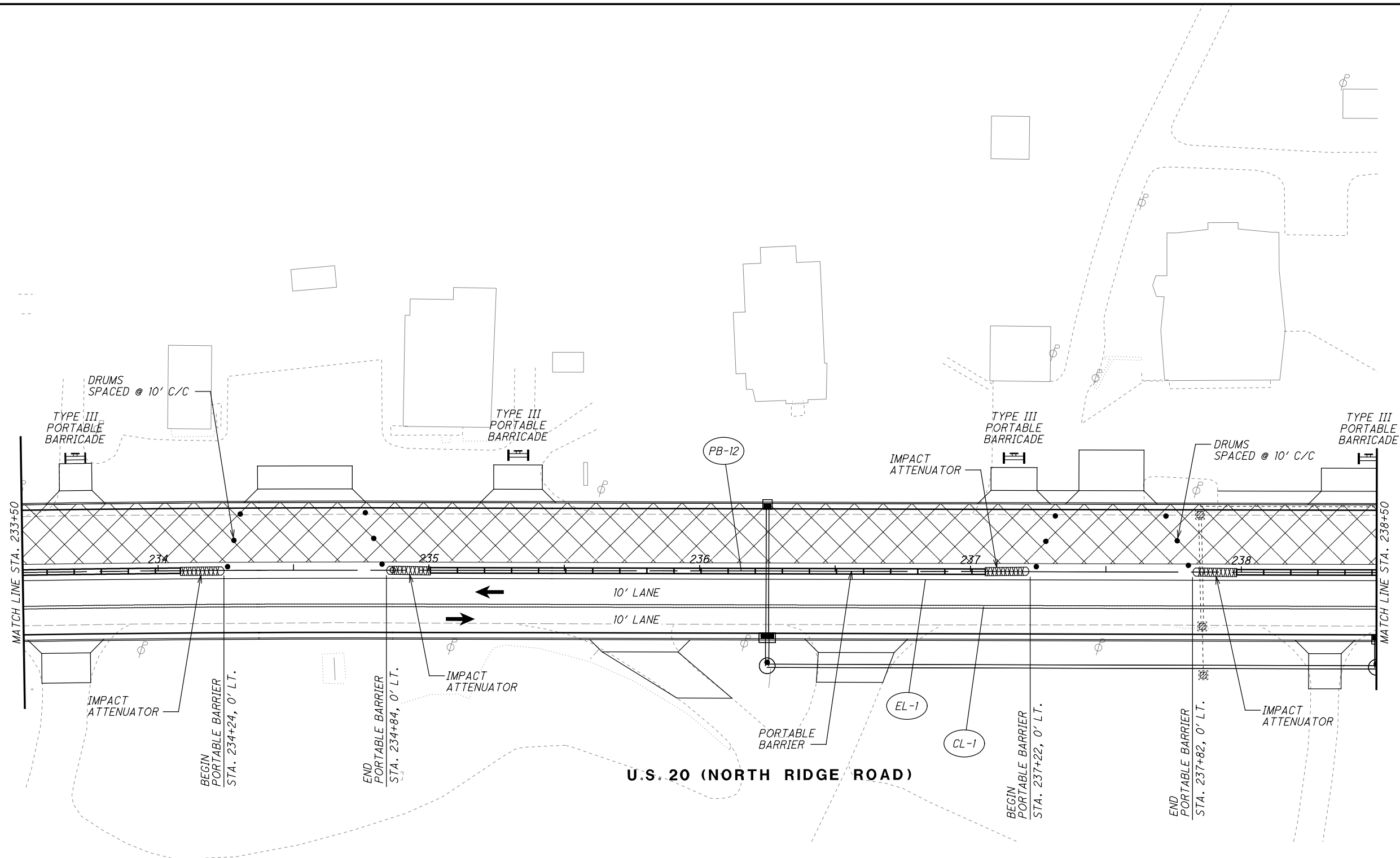
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 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 233+50 TO STA. 238+50**








**LAK-US-20-19.59**  
**PART 1**

262  
1253










**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

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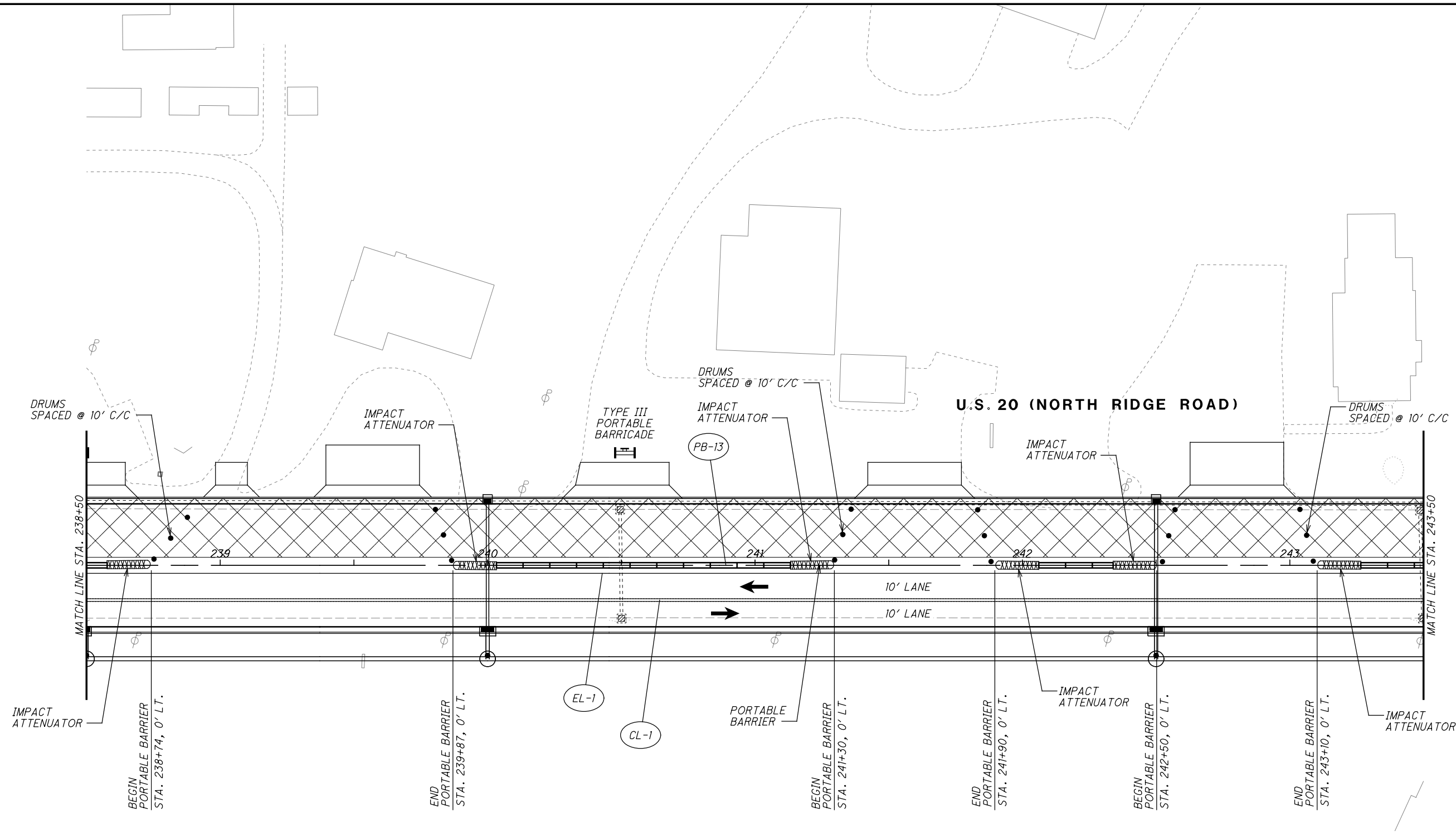
CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 238+50 TO STA. 243+50**

**LAK-US-20-19.59**  
**PART 1**

263  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

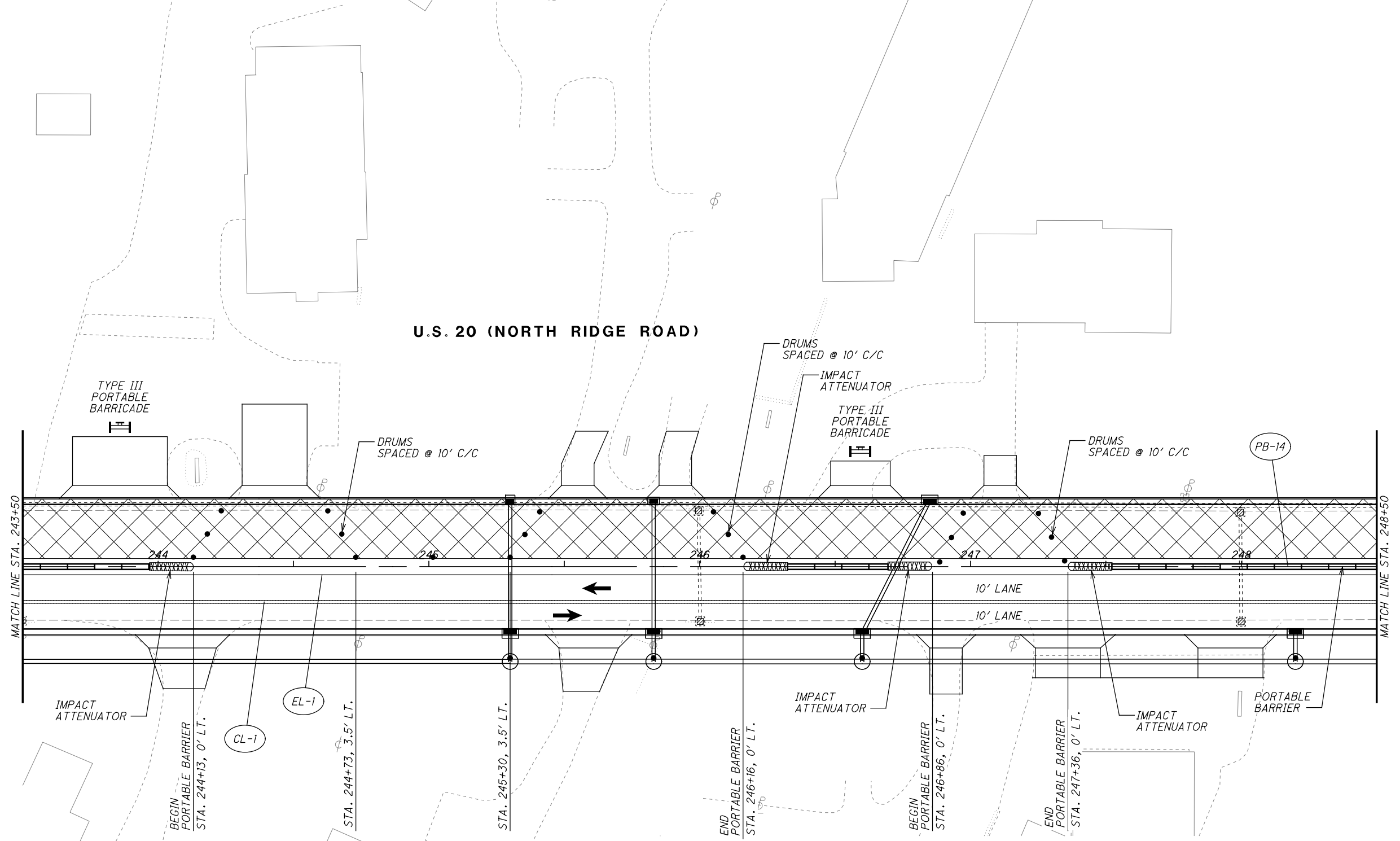
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 0 20 40  
 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 243+50 TO STA. 248+50**








**LAK-US-20-19.59**  
**PART 1**

264  
1253





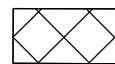
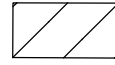



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

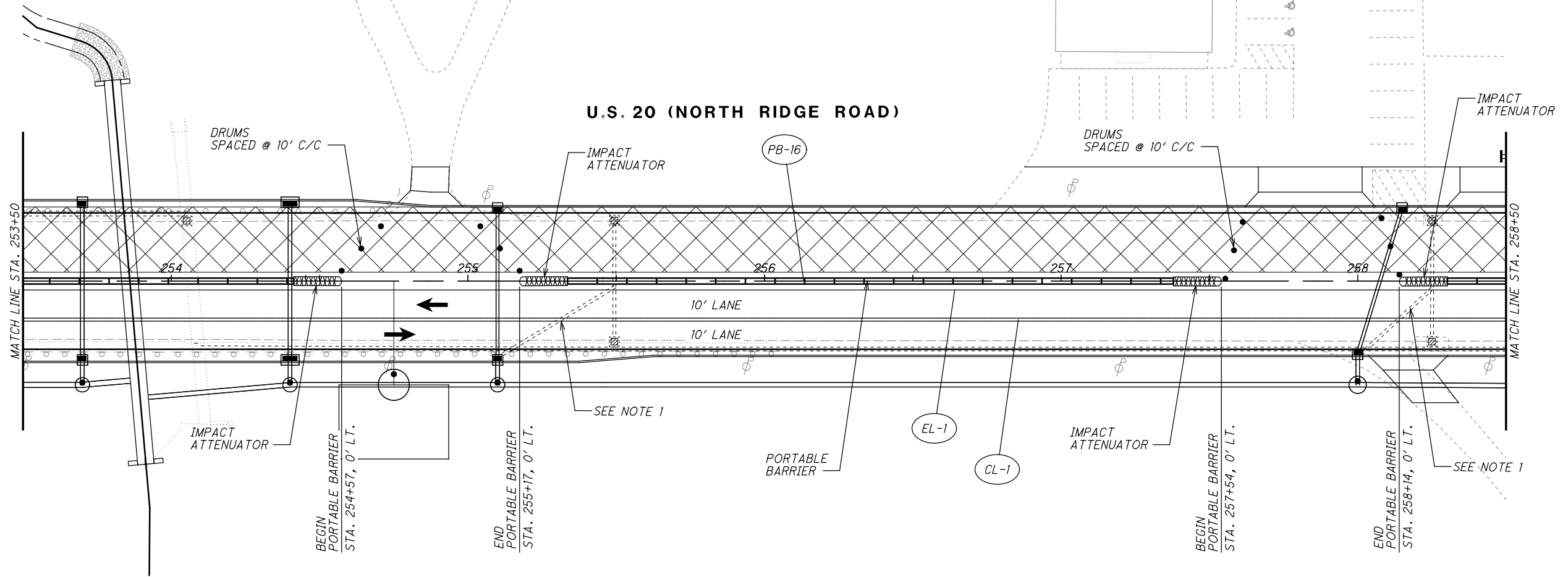
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW






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


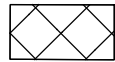




**NOTES**

1. TEMP. 12" PIPE PLACED IN PHASE 1 TO BE PLUGGED AT BOTH ENDS AND ABANDONED.



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4  
STA. 253+50 TO STA. 258+50**

**LAK-US-20-19.59  
PART 1**

266  
1253

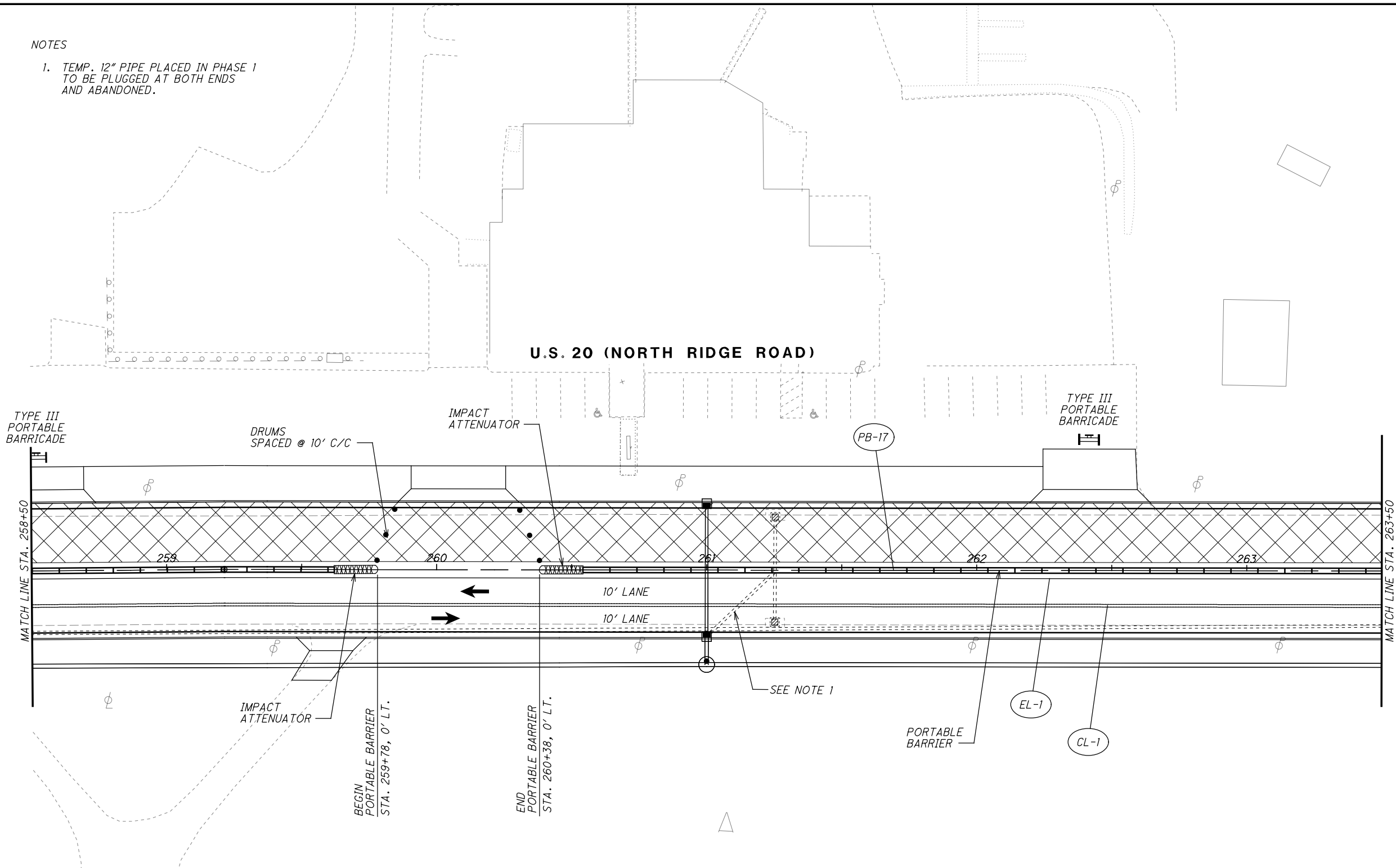
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**NOTES**

1. TEMP. 12" PIPE PLACED IN PHASE 1 TO BE PLUGGED AT BOTH ENDS AND ABANDONED.

CALCULATED JDC CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW



CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 263+50 TO STA. 268+50**

**LAK-US-20-19.59**  
**PART 1**

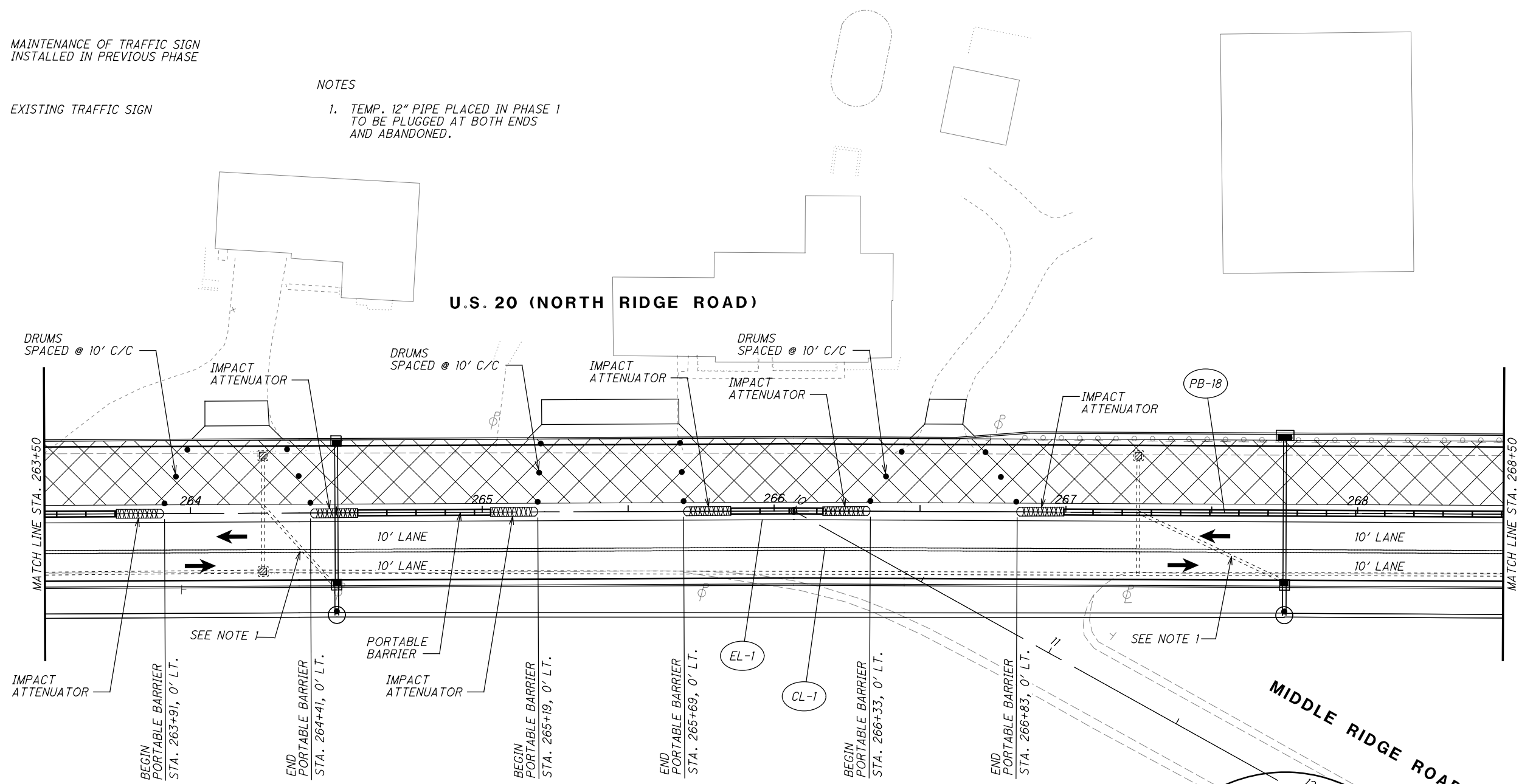
268  
1253

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**NOTES**

1. TEMP. 12" PIPE PLACED IN PHASE 1 TO BE PLUGGED AT BOTH ENDS AND ABANDONED.



**LEGEND**

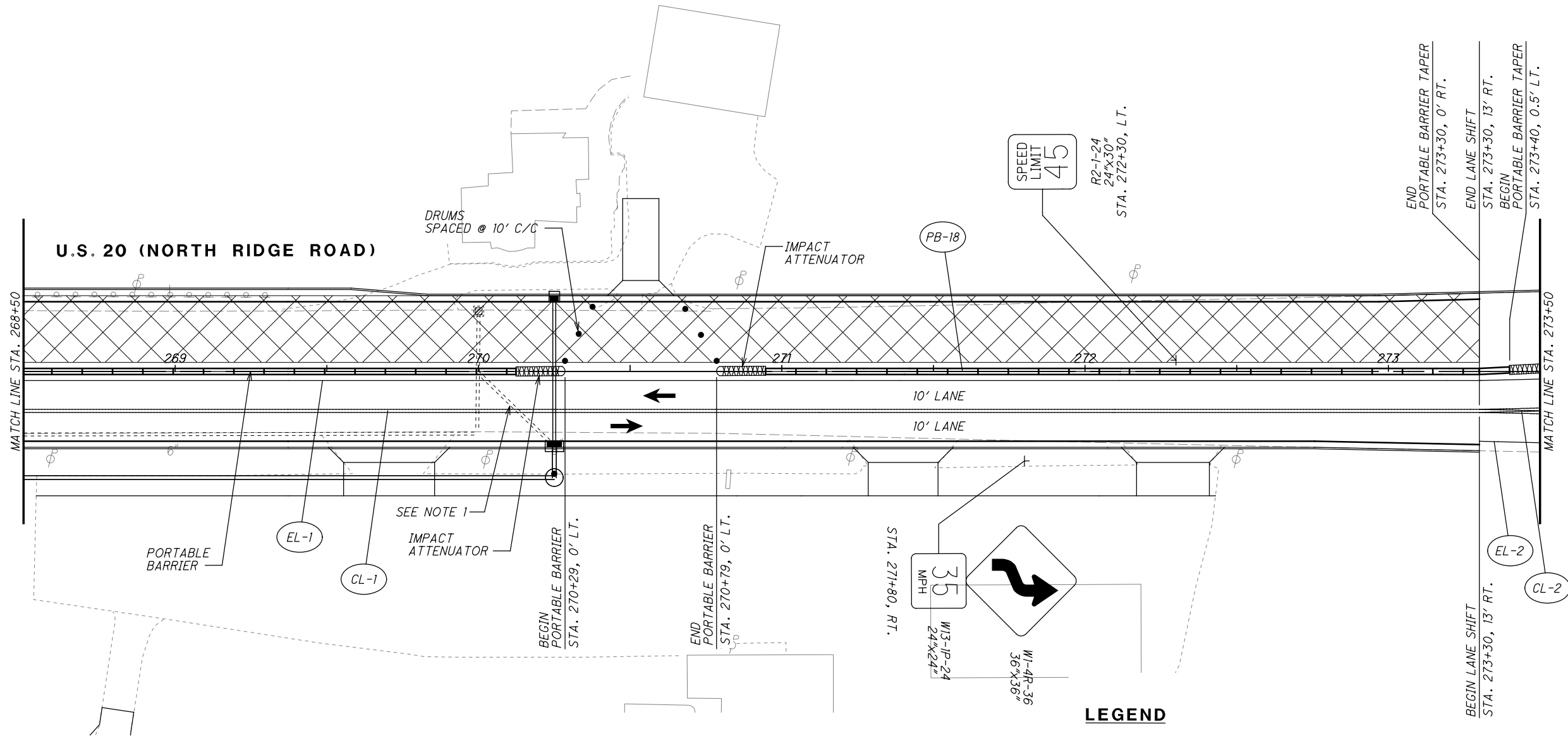
- |  |   |
|--|---|
| ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
| ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | TRAFFIC FLOW  |

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**NOTES**

1. TEMP. 12" PIPE PLACED IN PHASE 1 TO BE PLUGGED AT BOTH ENDS AND ABANDONED.



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 268+50 TO STA. 273+50**

**LAK-US-20-19.59**  
**PART 1**

269  
1253



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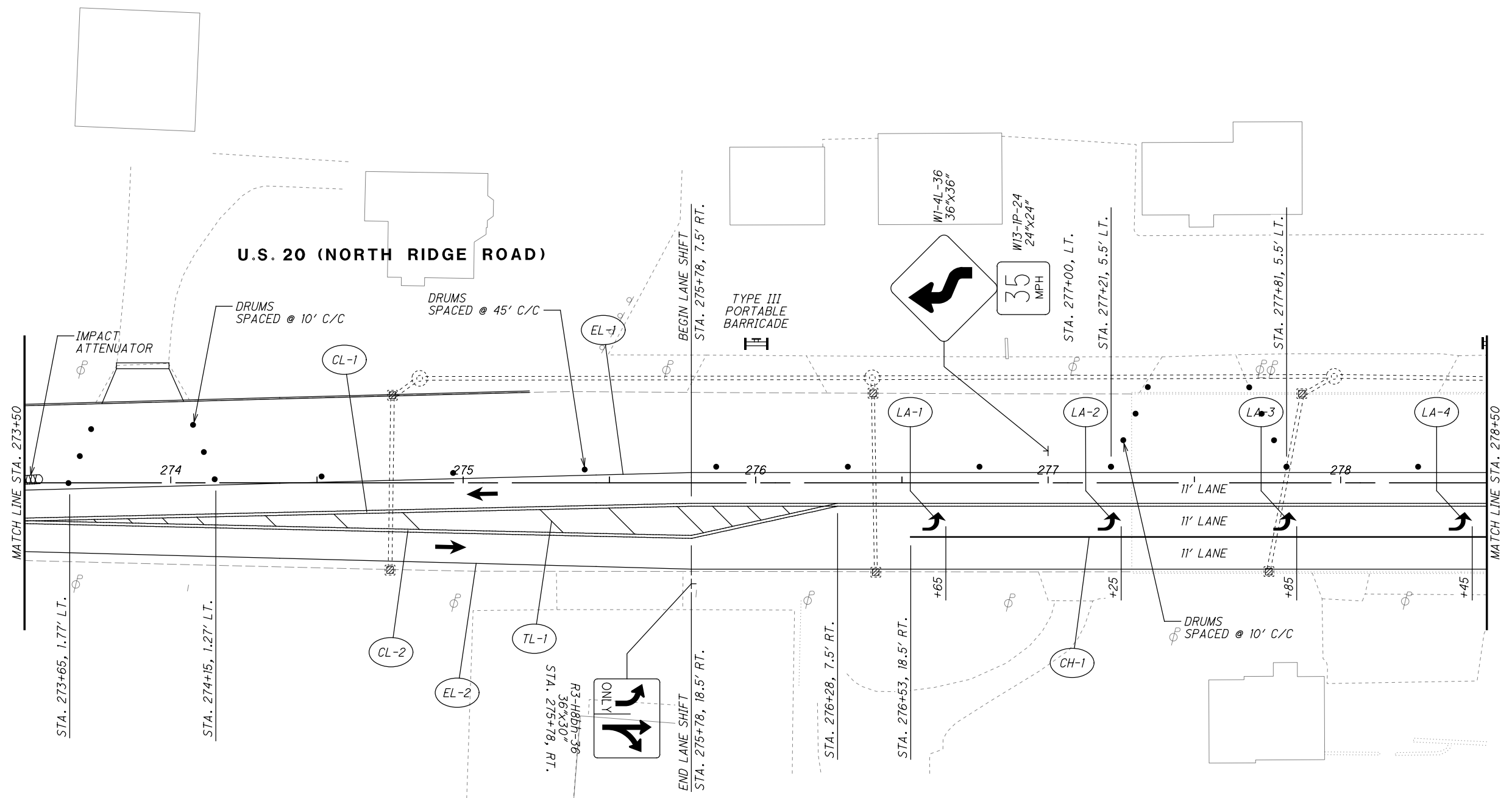
CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 273+50 TO STA. 278+50**

**LAK-US-20-19.59**  
**PART 1**

270  
1253



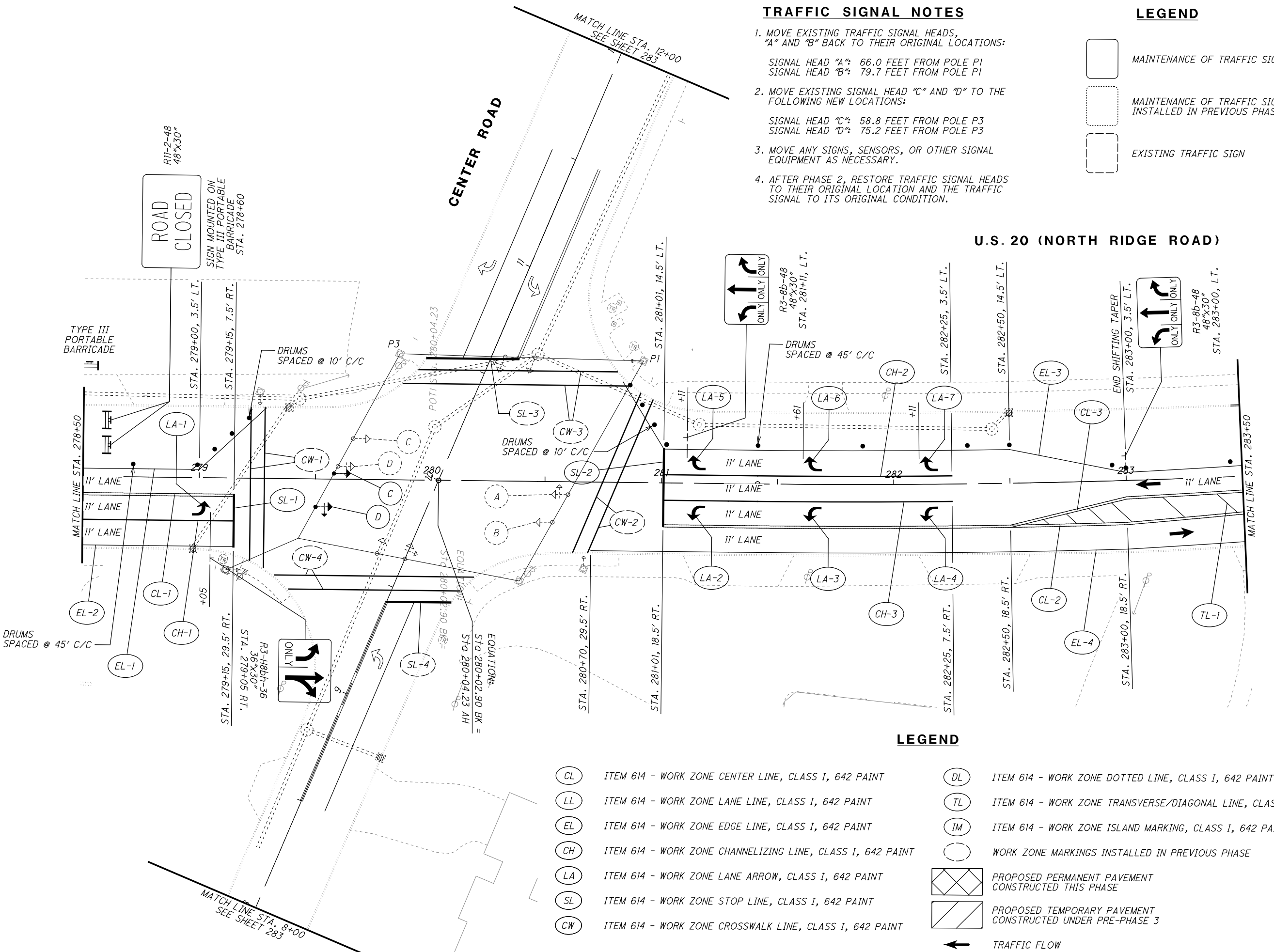
**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

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**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" BACK TO THEIR ORIGINAL LOCATIONS:  
 SIGNAL HEAD "A": 66.0 FEET FROM POLE P1  
 SIGNAL HEAD "B": 79.7 FEET FROM POLE P1
2. MOVE EXISTING SIGNAL HEAD "C" AND "D" TO THE FOLLOWING NEW LOCATIONS:  
 SIGNAL HEAD "C": 58.8 FEET FROM POLE P3  
 SIGNAL HEAD "D": 75.2 FEET FROM POLE P3
3. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.
4. AFTER PHASE 2, RESTORE TRAFFIC SIGNAL HEADS TO THEIR ORIGINAL LOCATION AND THE TRAFFIC SIGNAL TO ITS ORIGINAL CONDITION.

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CL</span> ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">LL</span> ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">EL</span> ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CH</span> ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">LA</span> ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">SL</span> ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">CW</span> ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT</li> </ul> | <ul style="list-style-type: none"> <li><span style="border: 1px dotted black; border-radius: 50%; padding: 2px;">DL</span> ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">TL</span> ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">IM</span> ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT</li> <li><span style="border: 1px solid black; border-radius: 50%; padding: 2px;">○</span> WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE</li> <li><span style="display: inline-block; width: 15px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></span> PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE</li> <li><span style="display: inline-block; width: 15px; height: 10px; border: 1px solid black; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px);"></span> PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3</li> <li><span style="display: inline-block; width: 10px; height: 10px; background: black; vertical-align: middle;"></span> TRAFFIC FLOW</li> </ul> |
|---|---|

CALCULATED	JDC
CHECKED	EJT

MAINTENANCE OF TRAFFIC PLAN - PHASE 4  
 STA. 278+50 TO STA. 283+50

LAK-US-20-19.59  
 PART 1

271  
 1253

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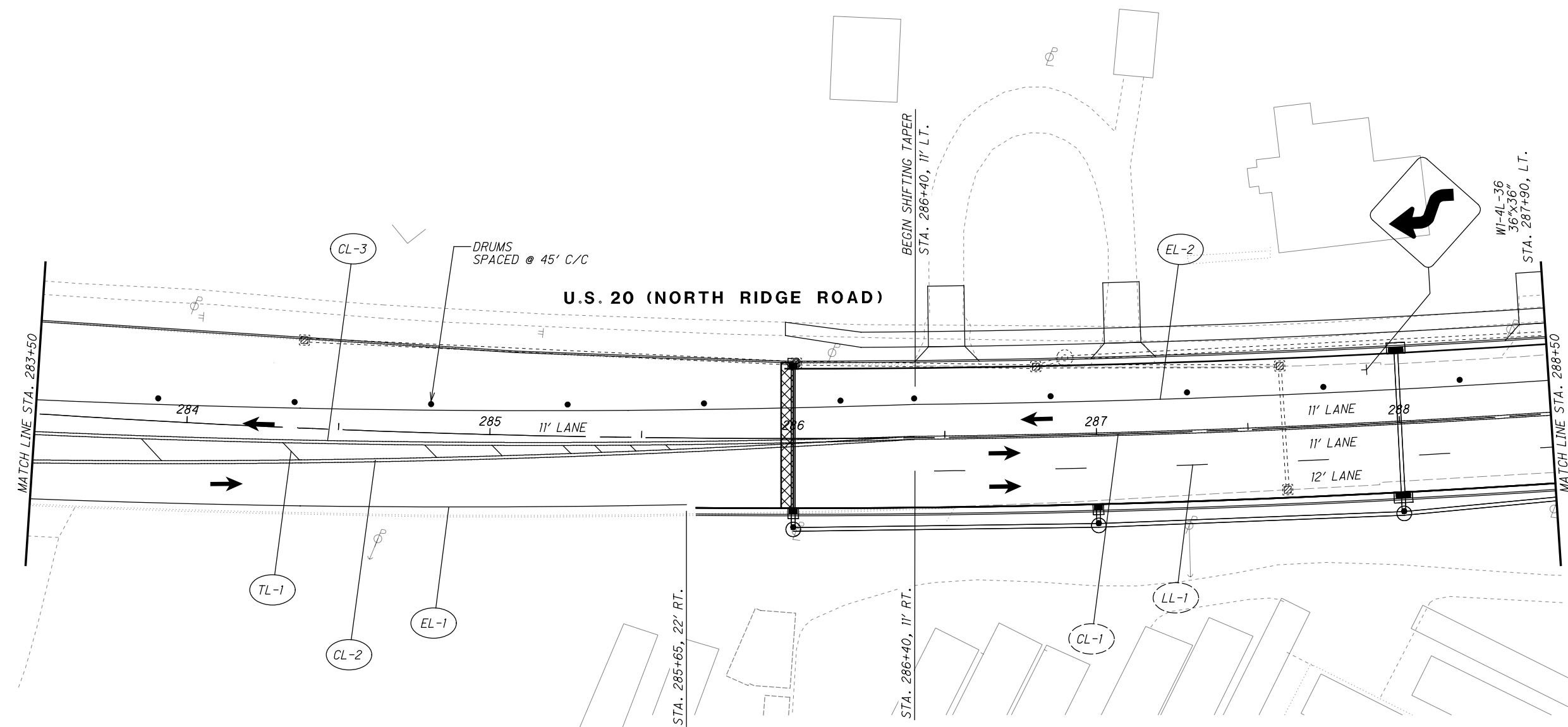
CALCULATED JDC  
CHECKED EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 283+50 TO STA. 288+50**

**LAK-US-20-19.59**  
**PART 1**

272  
1253



**LEGEND**

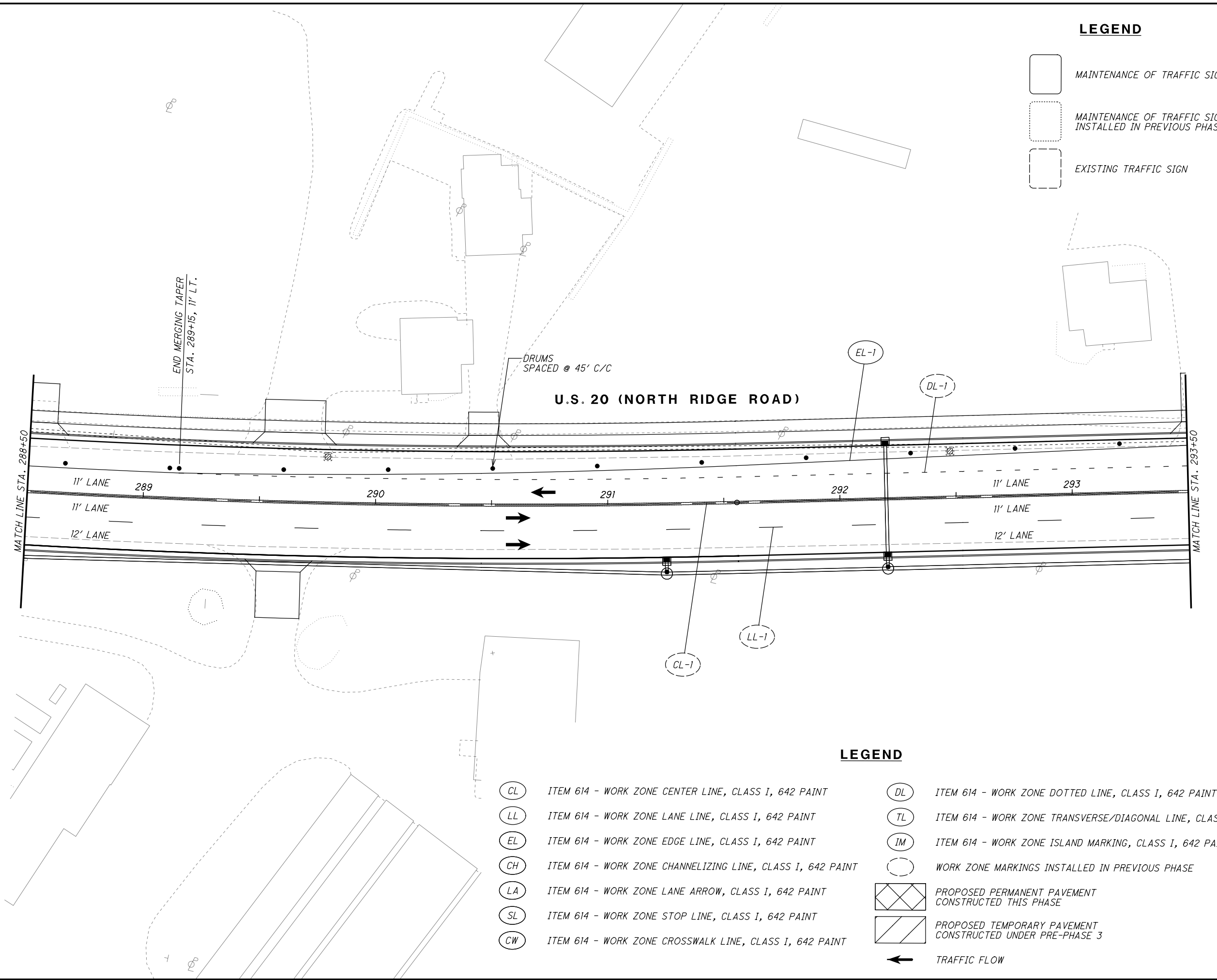
- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

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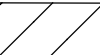


**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

  
  
 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 288+50 TO STA. 293+50**

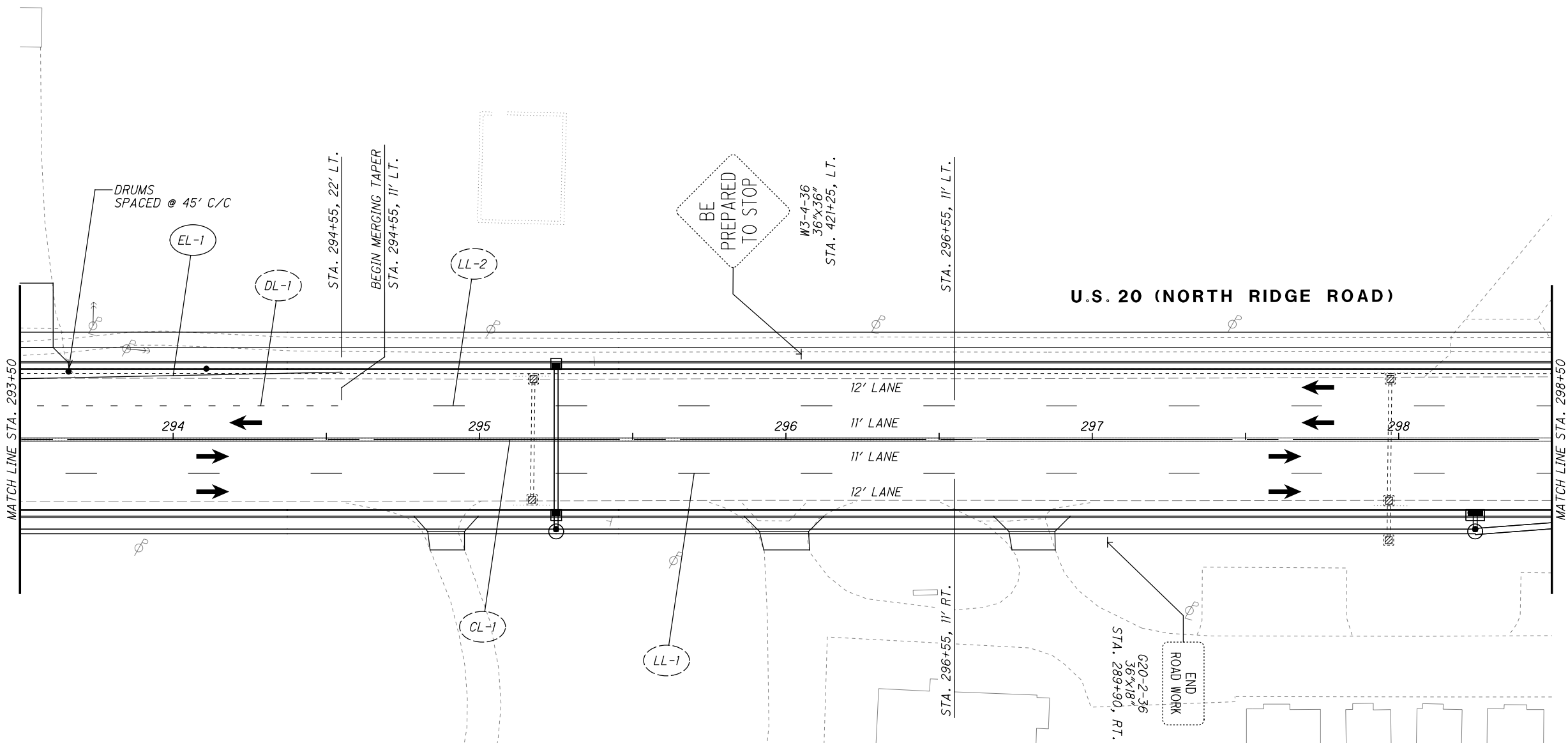
**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |




**LAK-US-20-19.59**  
**PART 1**










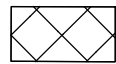

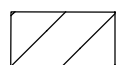


273  
1253

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**LEGEND**

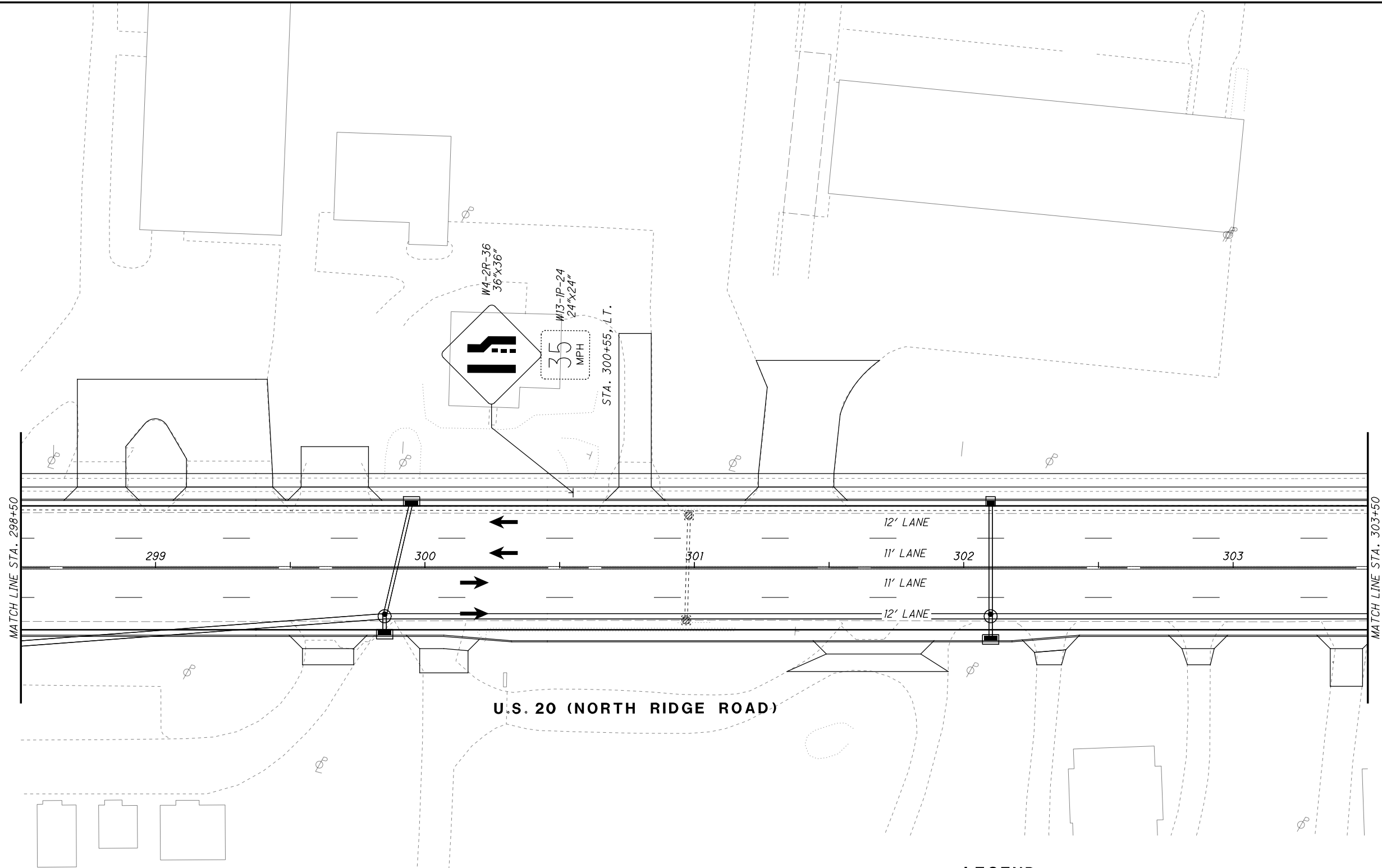


CALCULATED JDC  
CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 4  
STA. 293+50 TO STA. 298+50**








**LAK-US-20-19.59  
PART 1**

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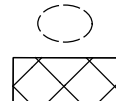
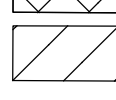



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

CALCULATED JDC CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 298+50 TO STA. 303+50**

**LAK-US-20-19.59**  
**PART 1**

275  
1253

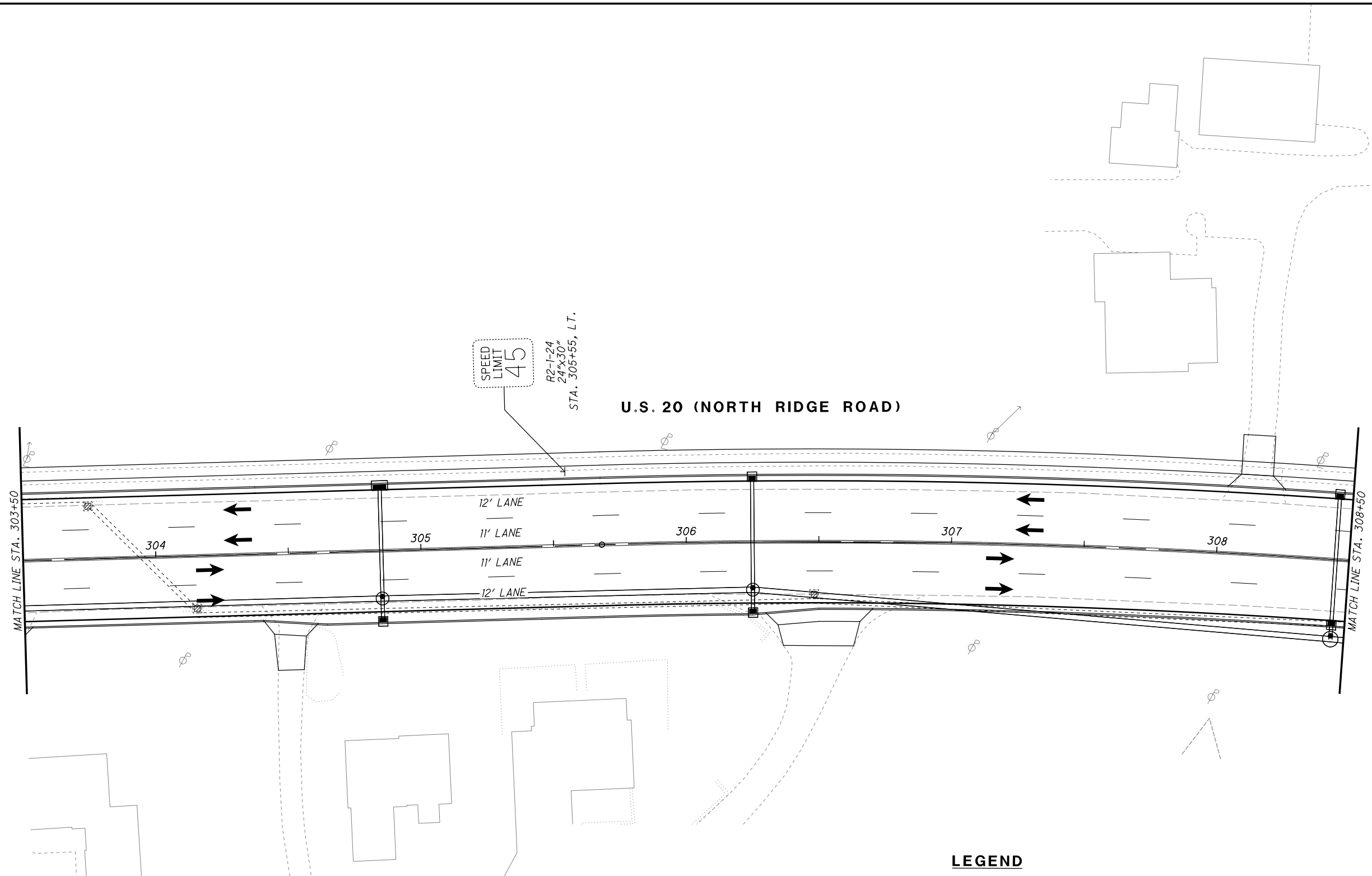
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CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 303+50 TO STA. 308+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW

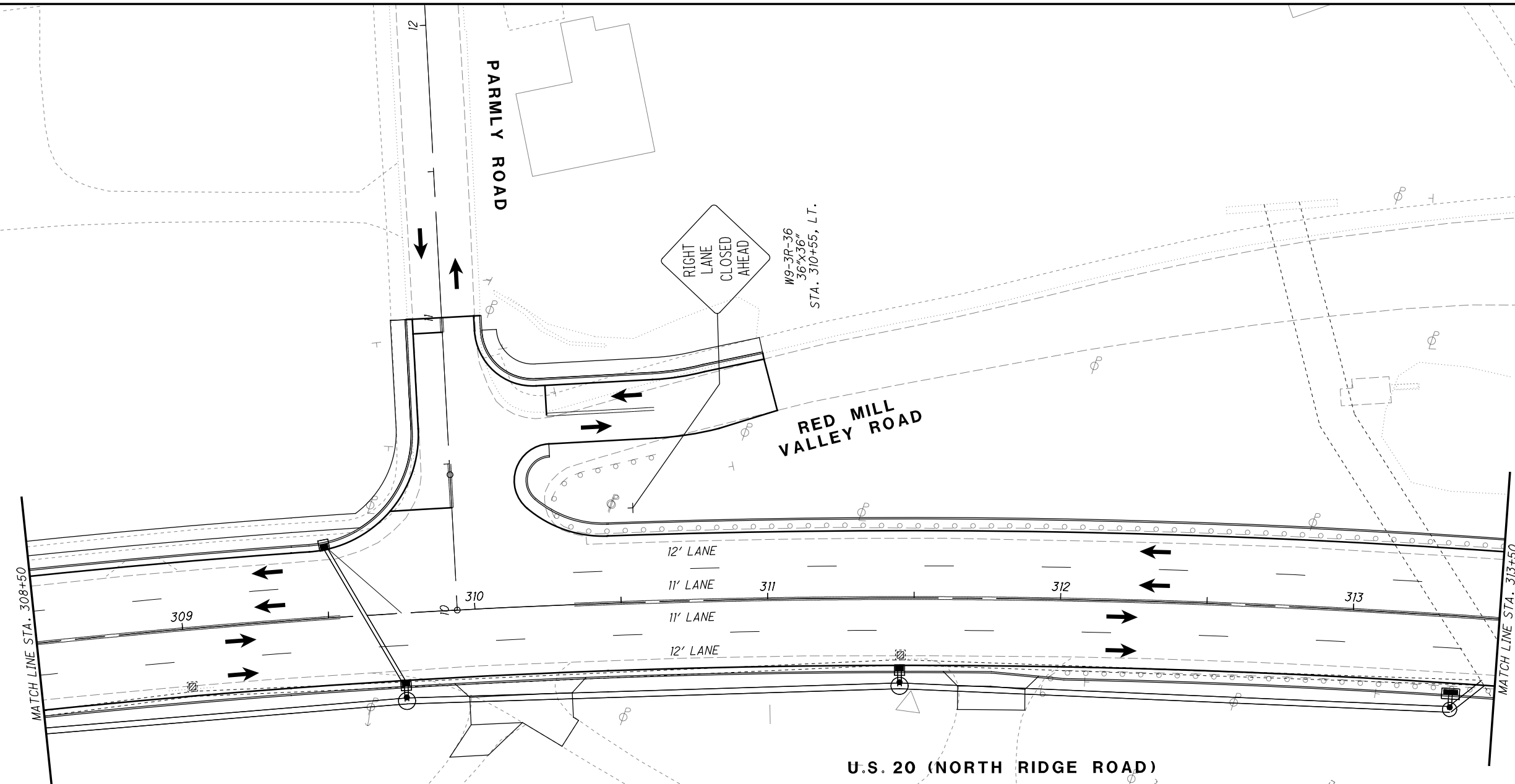
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CALCULATED JDC  
 CHECKED EUT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 308+50 TO STA. 313+50**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

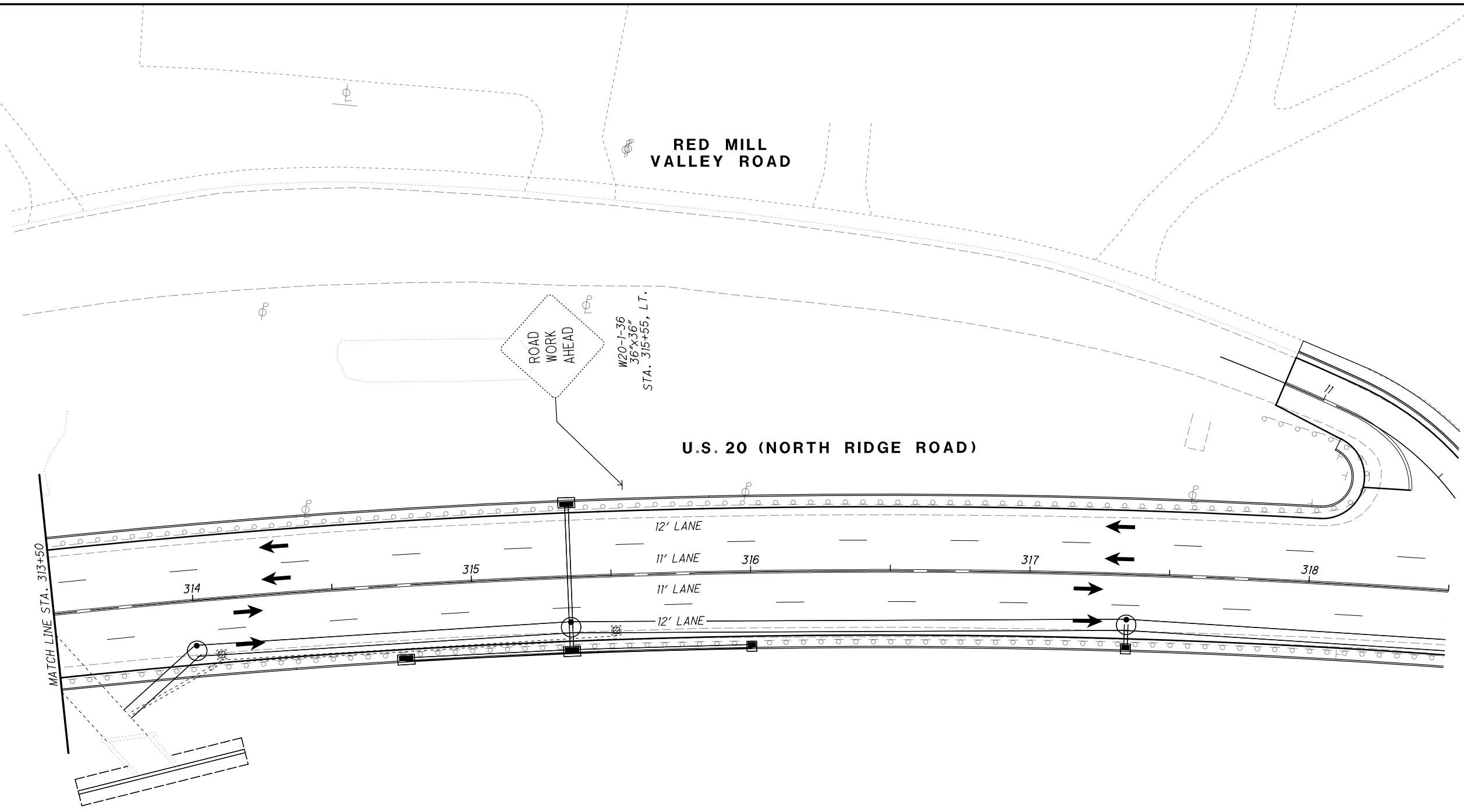
- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**




- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
- TRAFFIC FLOW















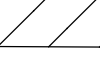

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW

CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**STA. 313+50 TO STA. 318+50**

**LAK-US-20-19.59**  
**PART 1**












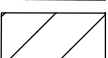


278  
1253

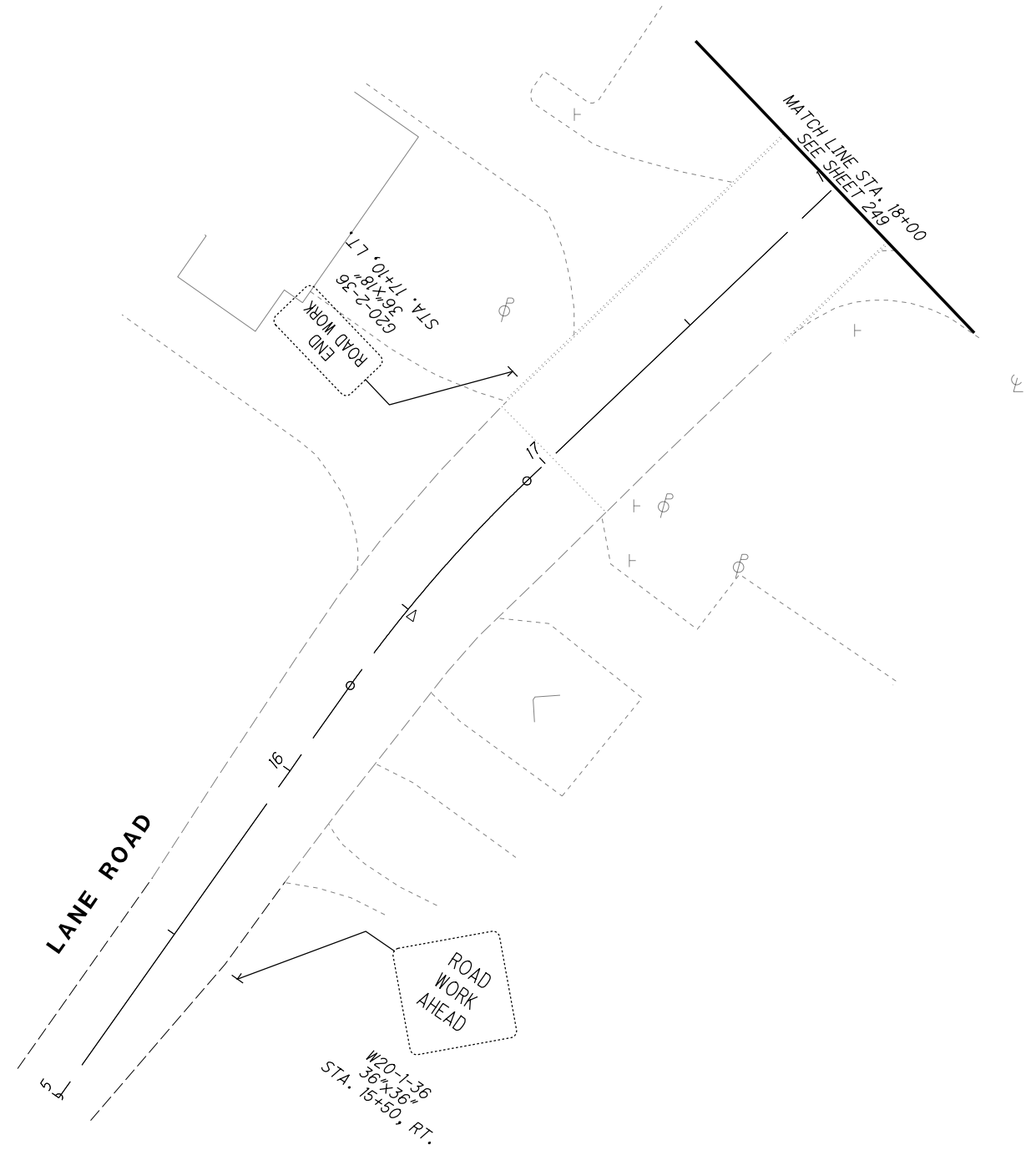
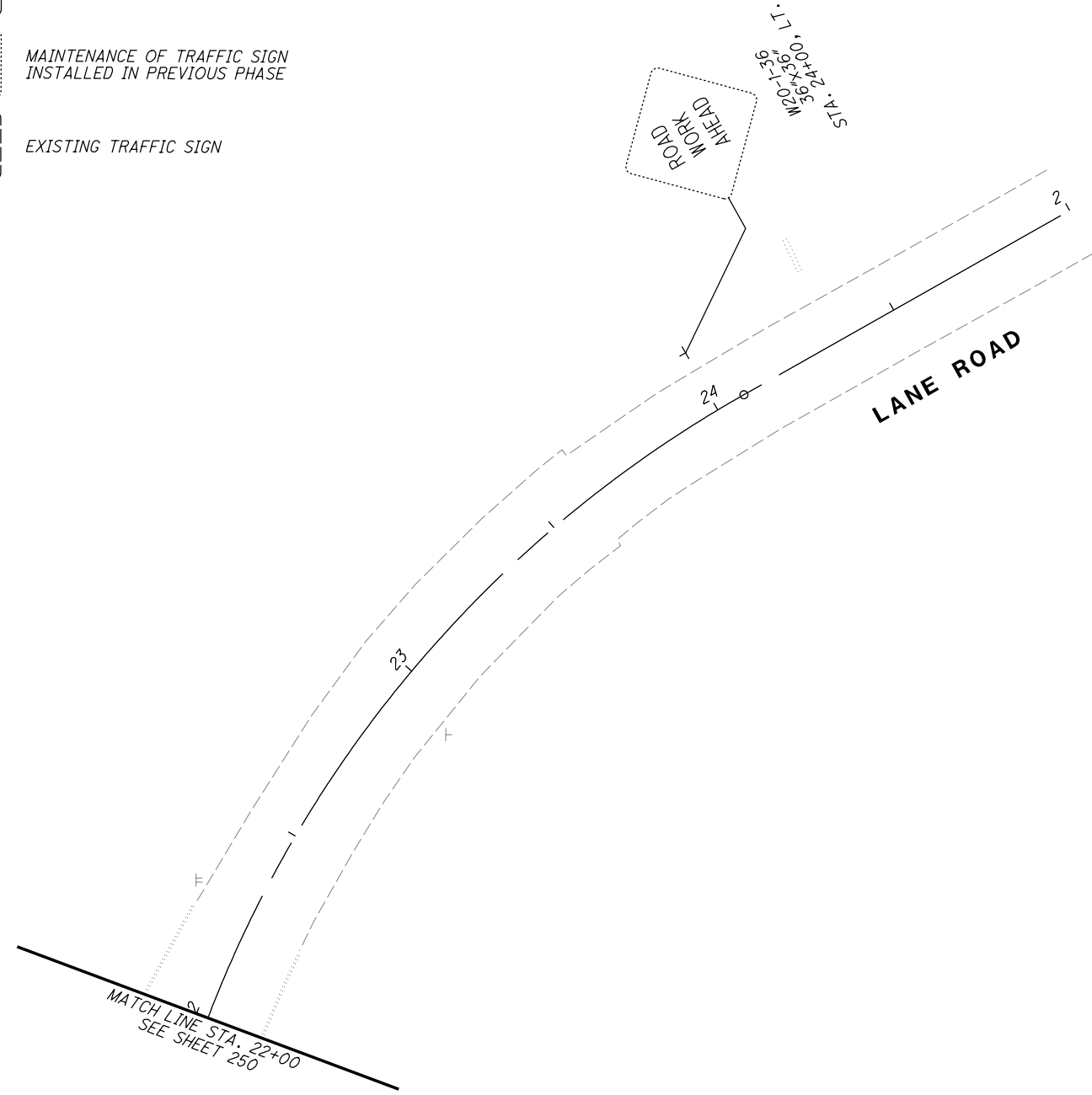
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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



CALCULATED JDC  
CHECKED EJT




HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**LANE ROAD**

**LAK-US-20-19.59**  
**PART 1**

279  
1253



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN












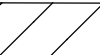


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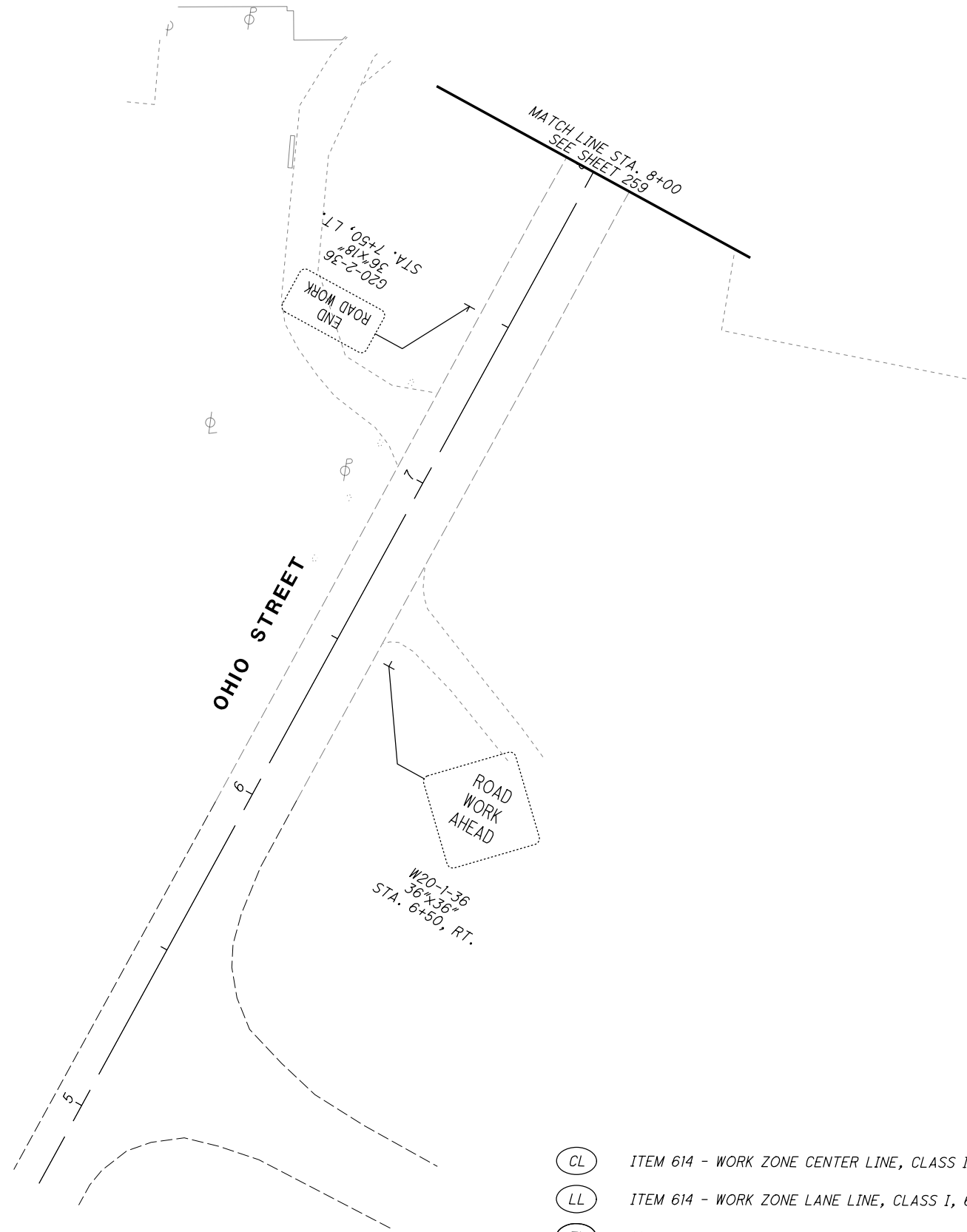
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**BLACKMORE ROAD**




**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN












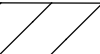


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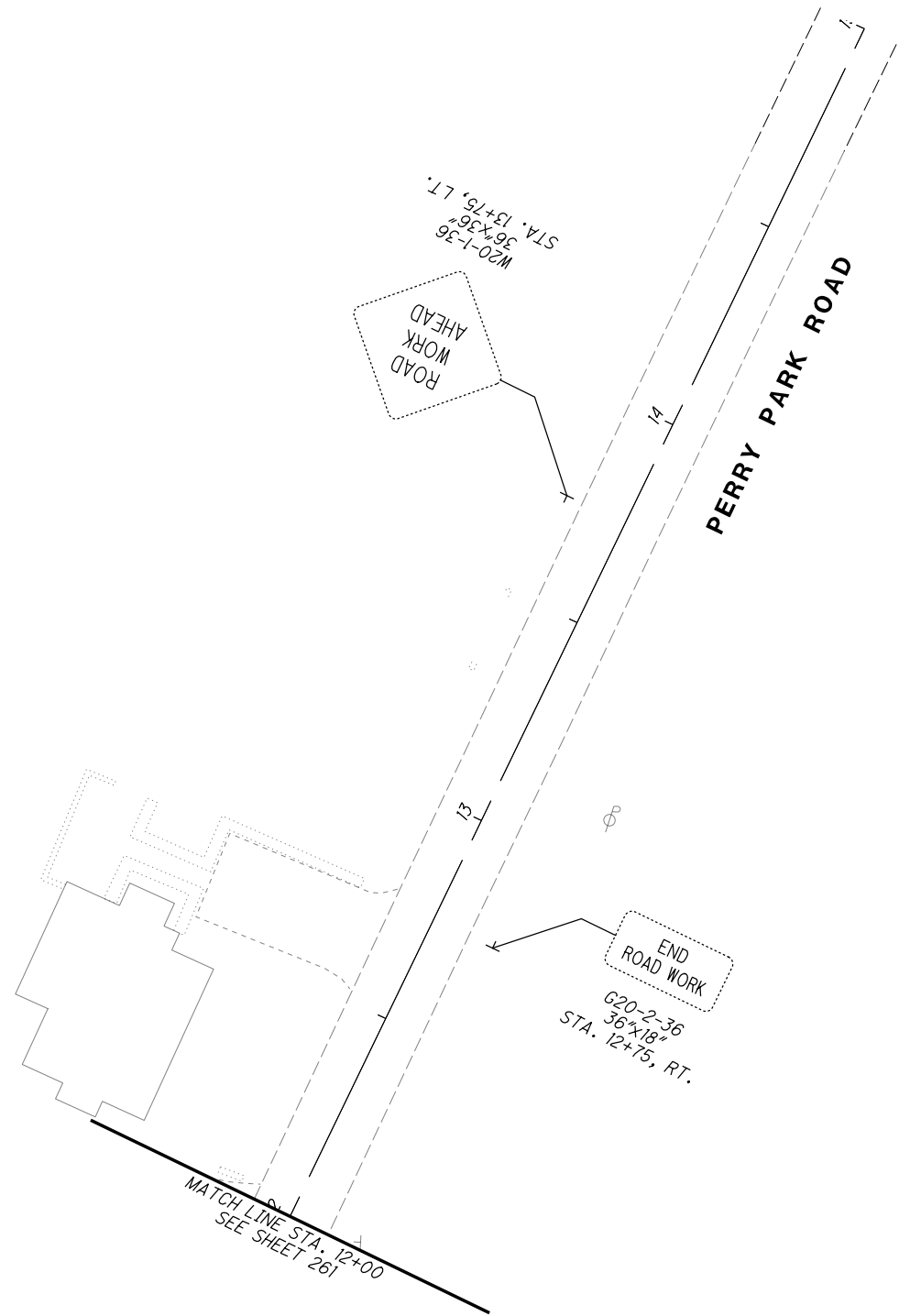

HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59 PART 1 MAINTENANCE OF TRAFFIC PLAN - PHASE 4 OHIO STREET**




**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**LAK-US-20-19.59 PART 1**



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

CALCULATED JDC CHECKED EJT

















HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**PERRY PARK ROAD**

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

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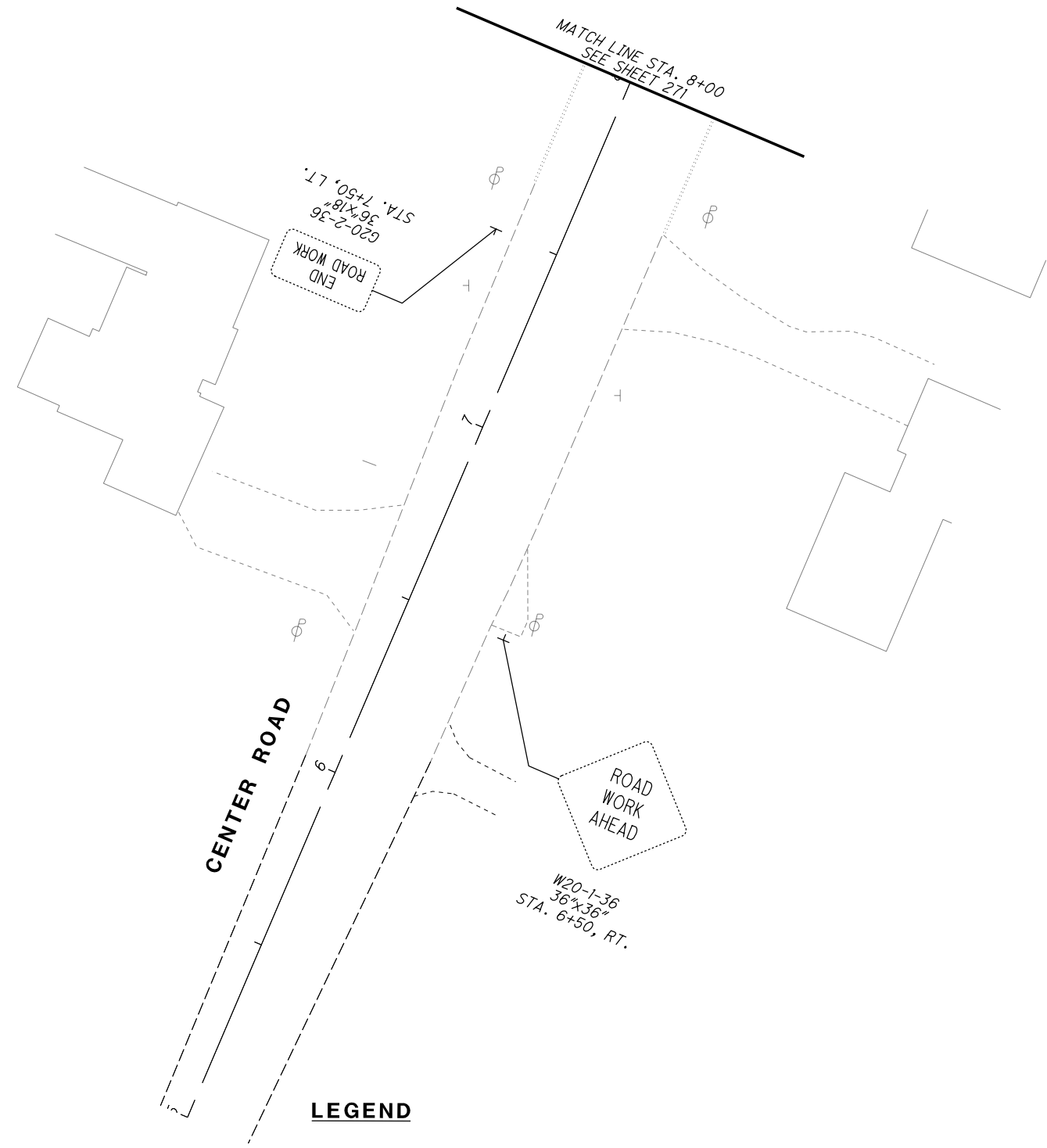
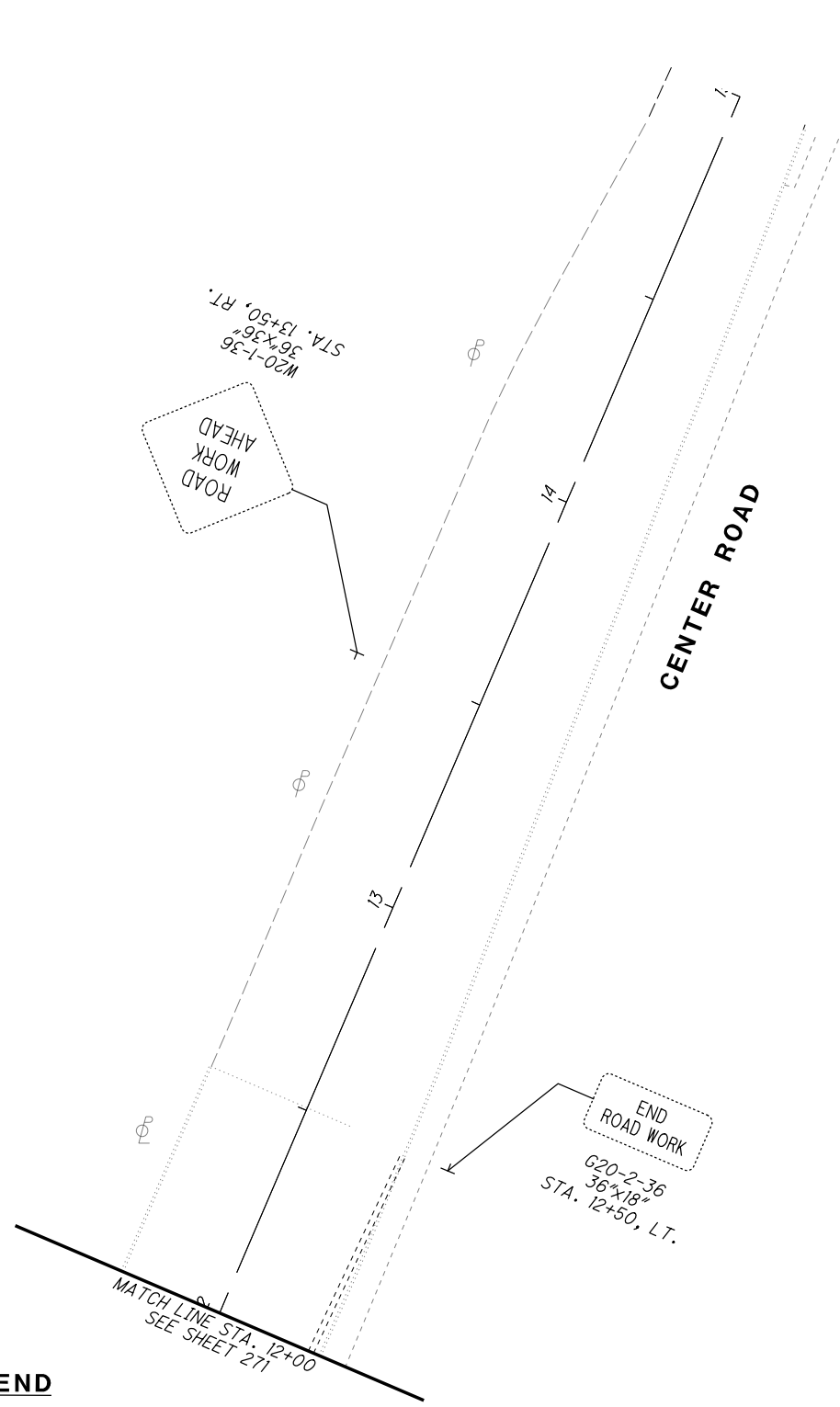

  

  
 1" = 40' HORIZONTAL SCALE IN FEET




CALCULATED JDC CHECKED EJT  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**CENTER ROAD**















**LAK-US-20-19.59**  
**PART 1**

283  
1253

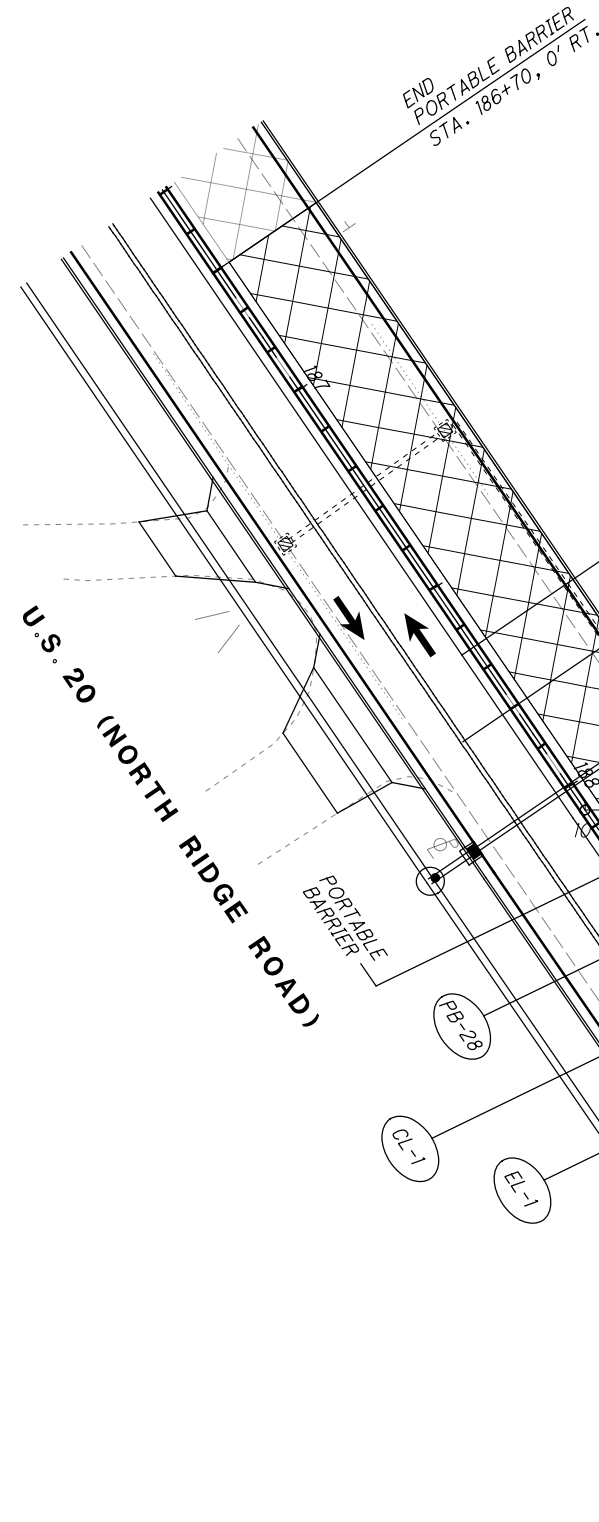


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


-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN








- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

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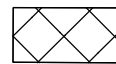
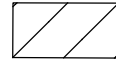



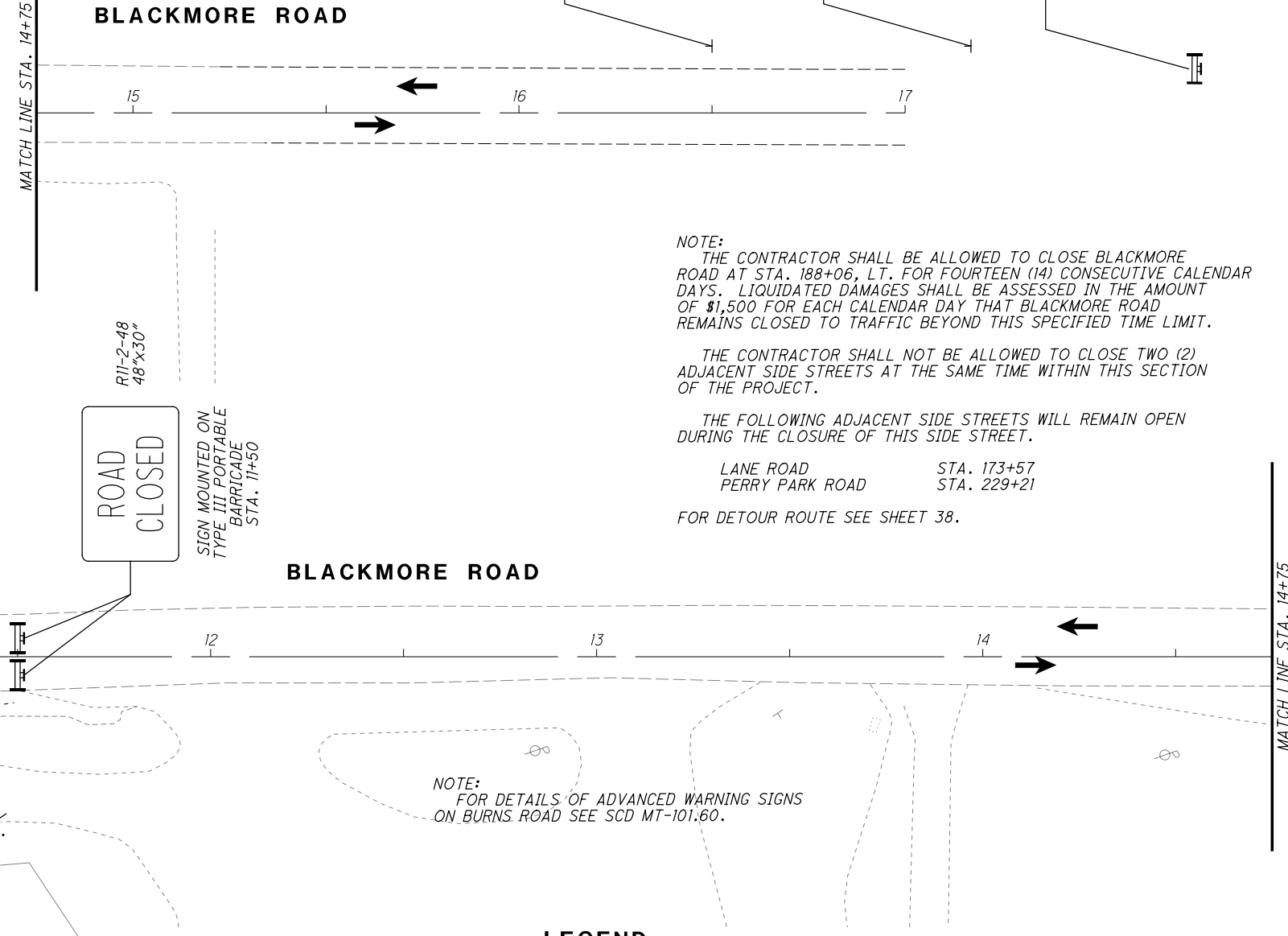
**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW



**NOTE:**  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE BLACKMORE ROAD AT STA. 188+06, L.T. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT BLACKMORE ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.




LANE ROAD STA. 173+57  
 PERRY PARK ROAD STA. 229+21

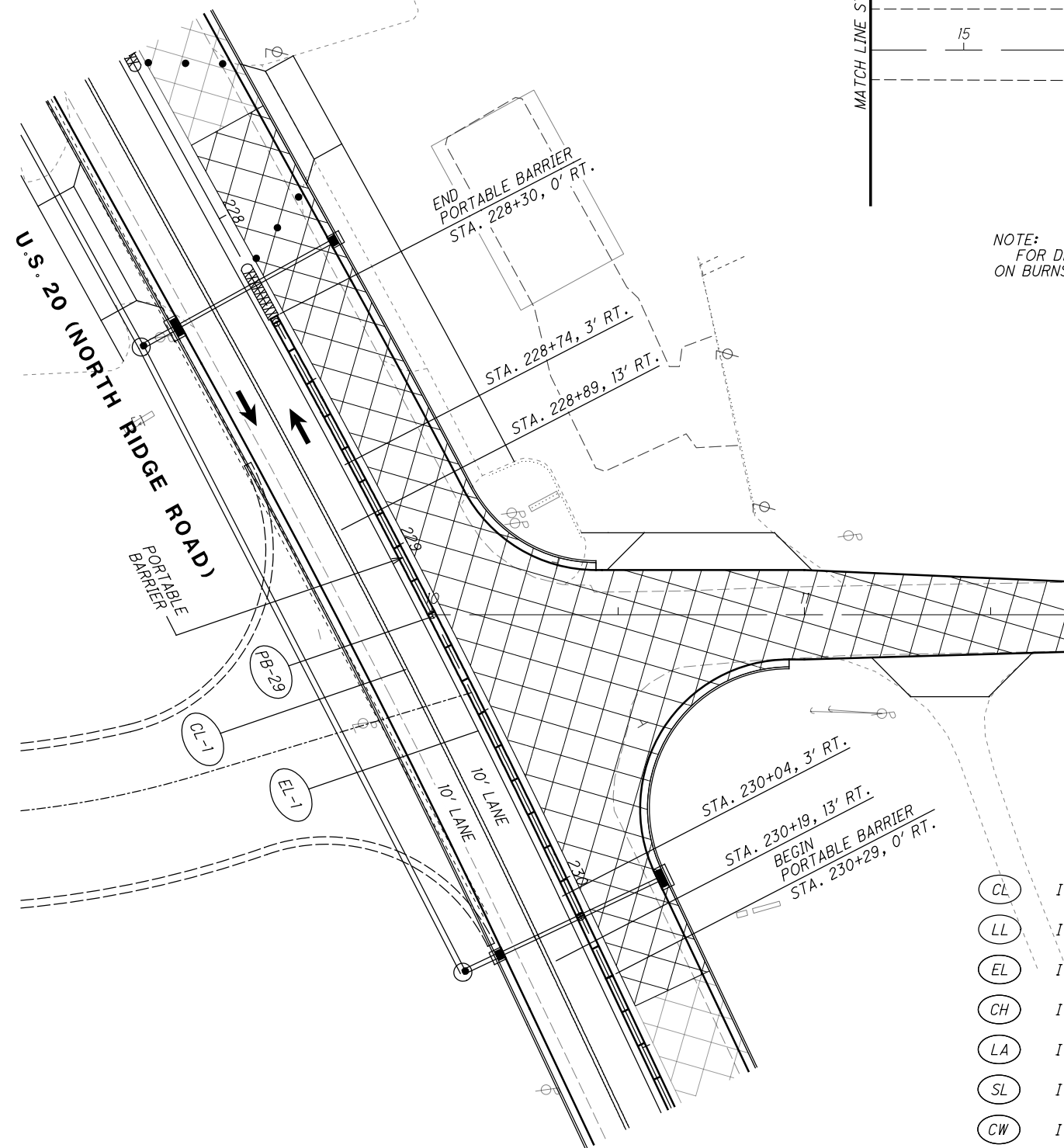
FOR DETOUR ROUTE SEE SHEET 38.

**NOTE:**  
 FOR DETAILS OF ADVANCED WARNING SIGNS ON BURNS ROAD SEE SCD MT-101.60.

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



NOTE:  
FOR DETAILS OF ADVANCED WARNING SIGNS ON BURNS ROAD SEE SCD MT-101.60.








NOTE:  
THE CONTRACTOR SHALL BE ALLOWED TO CLOSE PERRY PARK ROAD AT STA. 229+21, LT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT PERRY PARK ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.








THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

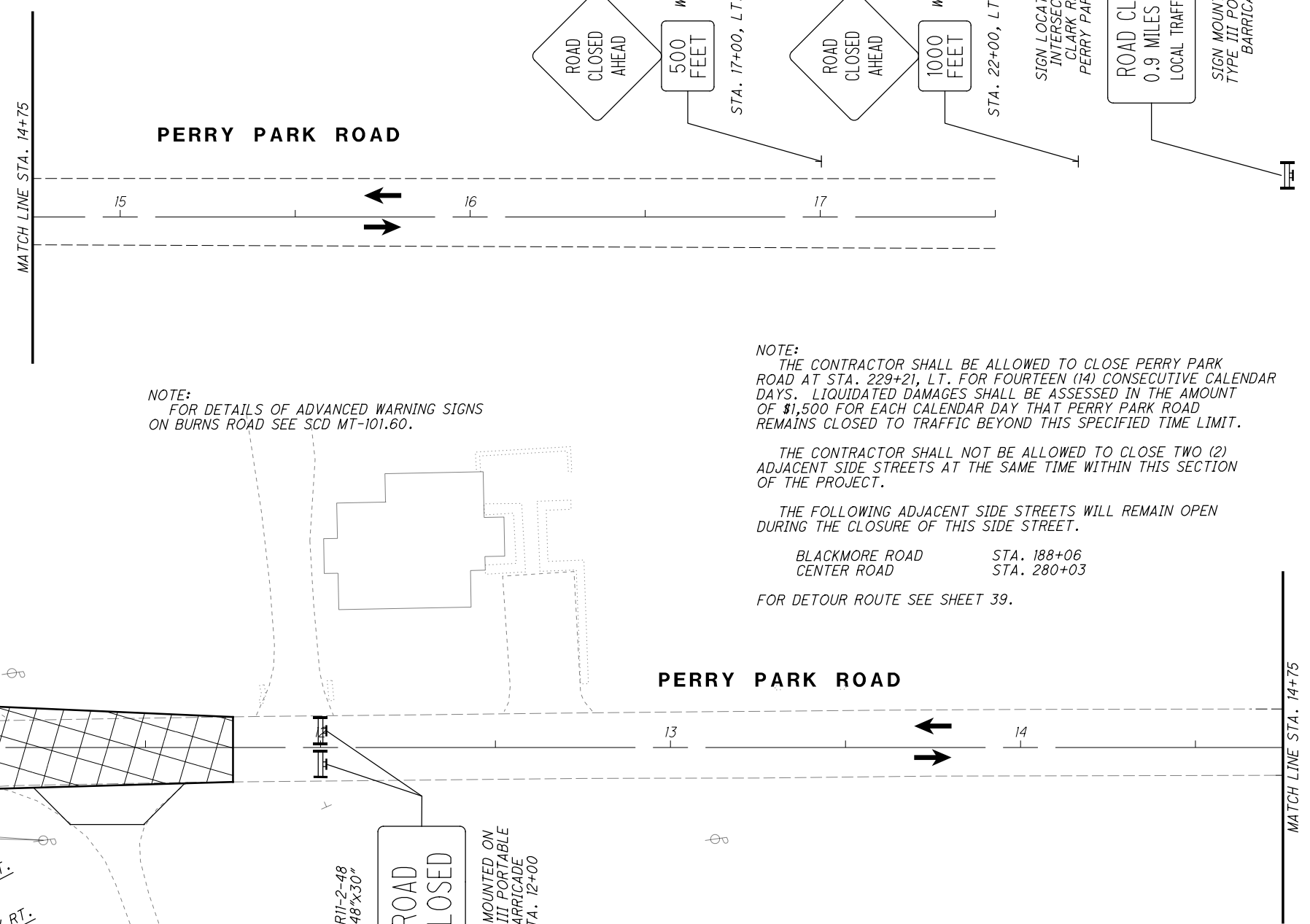
BLACKMORE ROAD STA. 188+06  
CENTER ROAD STA. 280+03

FOR DETOUR ROUTE SEE SHEET 39.

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT



**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3
-  TRAFFIC FLOW



LAK-US-20-19.59 PART 1

MAINTENANCE OF TRAFFIC PLAN - PHASE 4  
PERRY PARK ROAD

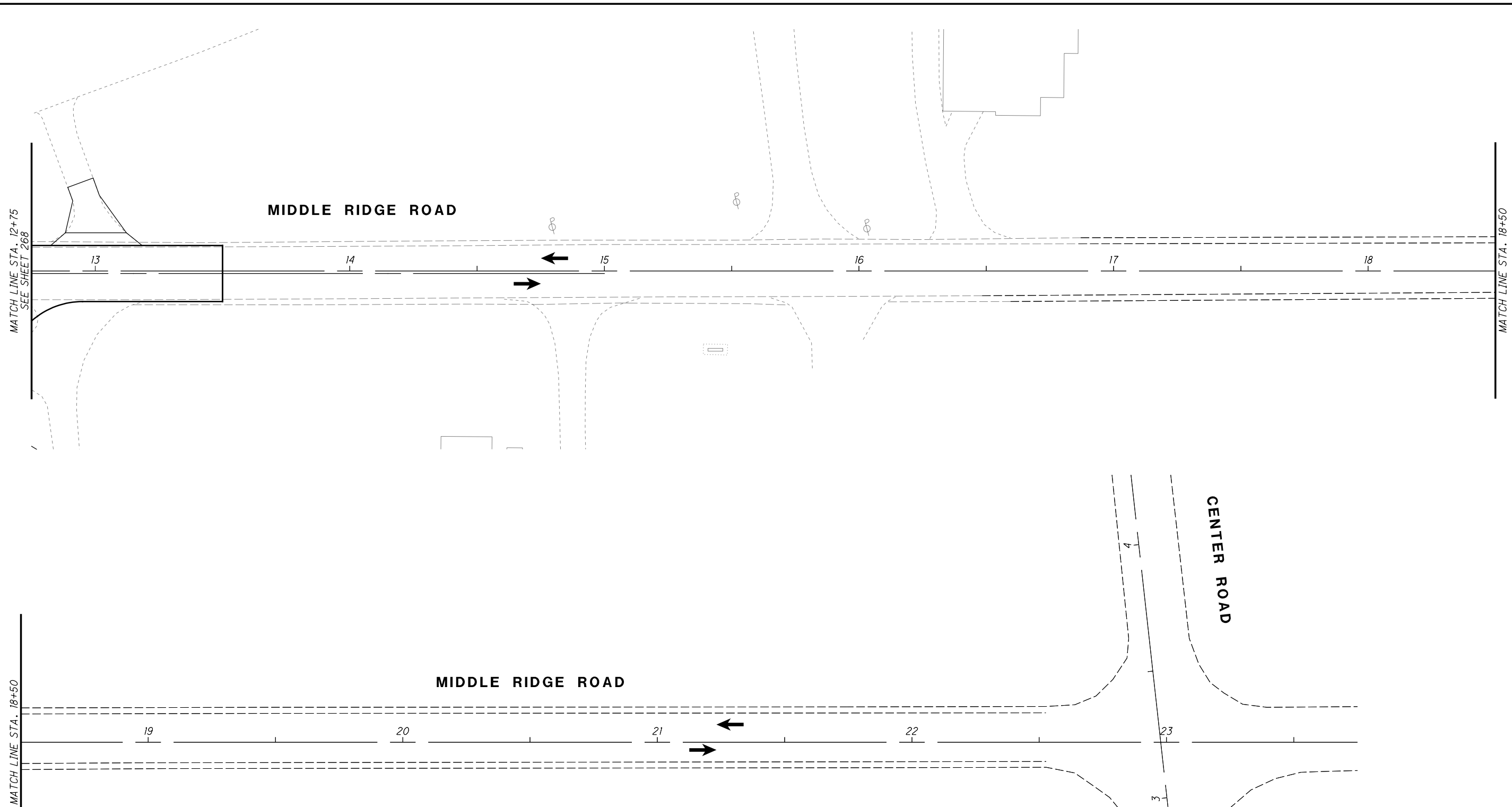



CALCULATED JDC  
CHECKED EJT

285  
1253



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CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 4**  
**MIDDLE RIDGE ROAD**

**LAK-US-20-19.59**  
**PART 1**

286  
1253

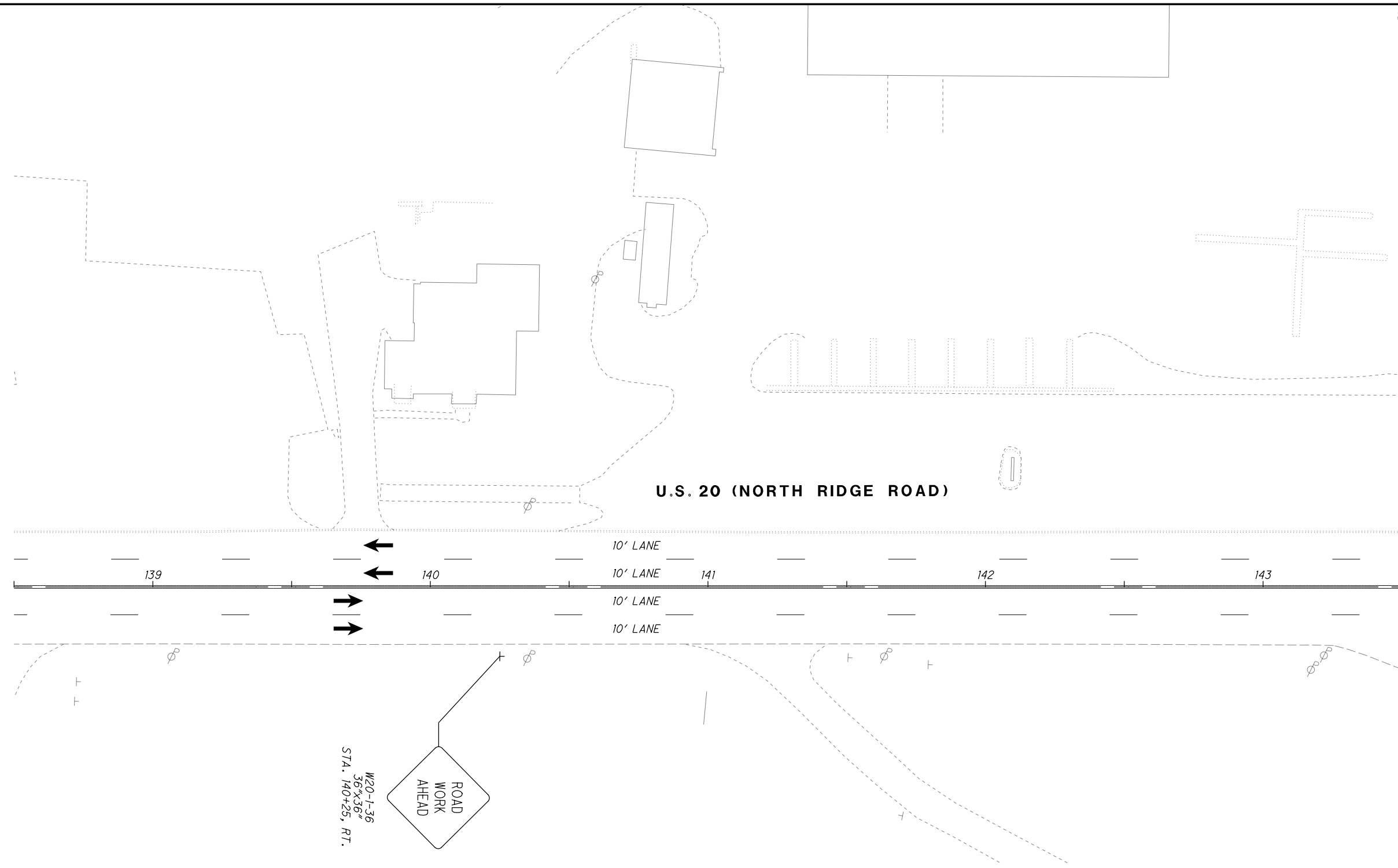
**LEGEND**

- |   |  |
|---|--|
| (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                     |
| (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                 |
| (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 3          |
| (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←) TRAFFIC FLOW   |

**LEGEND**

- ( ) MAINTENANCE OF TRAFFIC SIGN
- ( ) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- ( ) EXISTING TRAFFIC SIGN

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**U.S. 20 (NORTH RIDGE ROAD)**

10' LANE 140 141 142 143  
 10' LANE  
 10' LANE  
 10' LANE












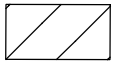

W20-1-36  
 36'x36'  
 STA. 140+25, RT.

MATCH LINE STA. 143+50

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  TRAFFIC FLOW

CALCULATED JDC  
 CHECKED EJT





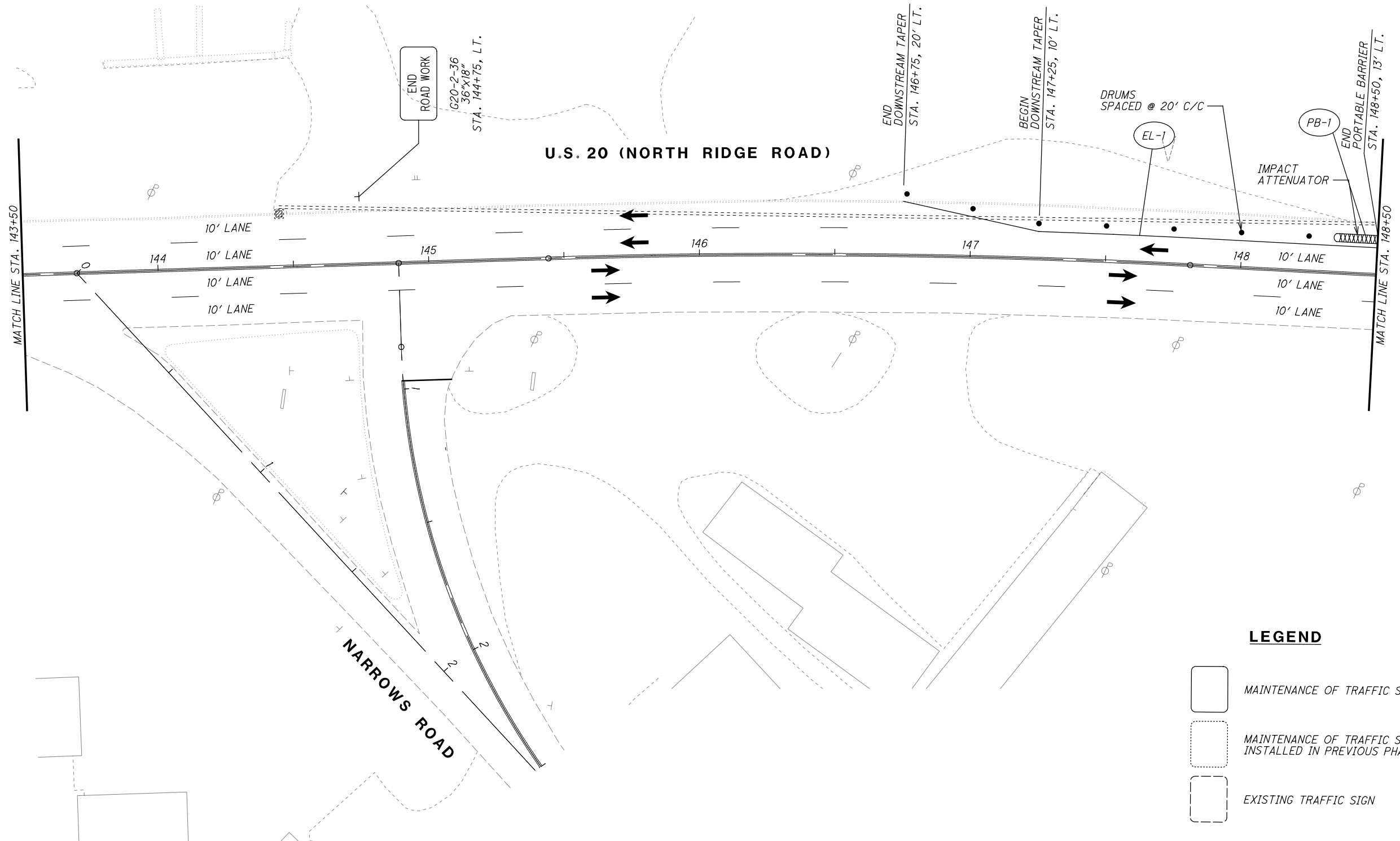

HORIZONTAL SCALE IN FEET




**LAK-US-20-19.59**  
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 5**  
**CULVERT STA. 149+38**

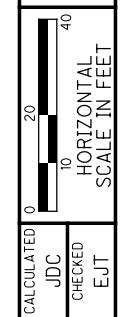
**PART 1**

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- LEGEND**
- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
  - (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
  - (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
  - (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
  - (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
  - (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
  - (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
  - (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
  - (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
  - (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
  - ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
  -  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
  -  TRAFFIC FLOW



- LEGEND**
-  MAINTENANCE OF TRAFFIC SIGN
  -  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  -  EXISTING TRAFFIC SIGN



**LAK-US-20-19.59**  
**PART 1**  
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 5**  
**CULVERT STA. 149+38**

288  
1253

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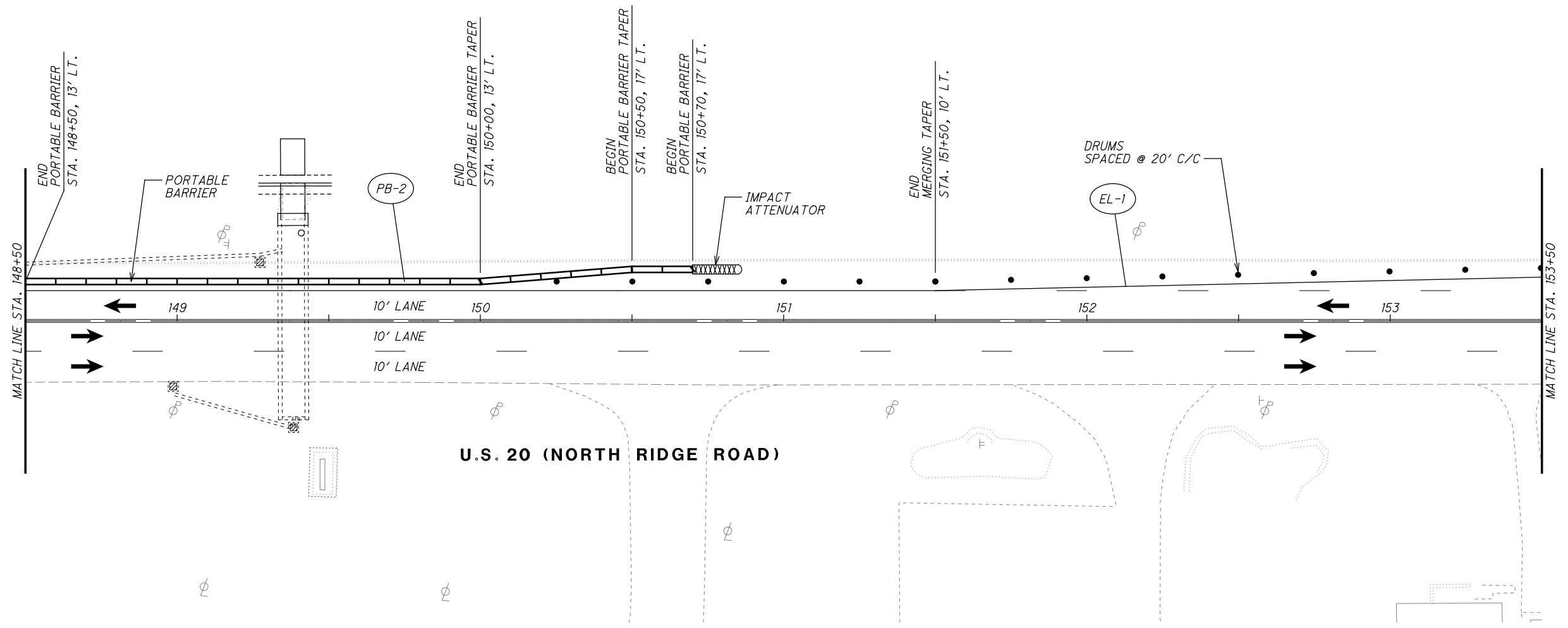


CALCULATED JDC  
CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 5  
CULVERT STA. 149+38**








**LAK-US-20-19.59  
PART 1**

289  
1253





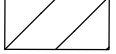



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  TRAFFIC FLOW

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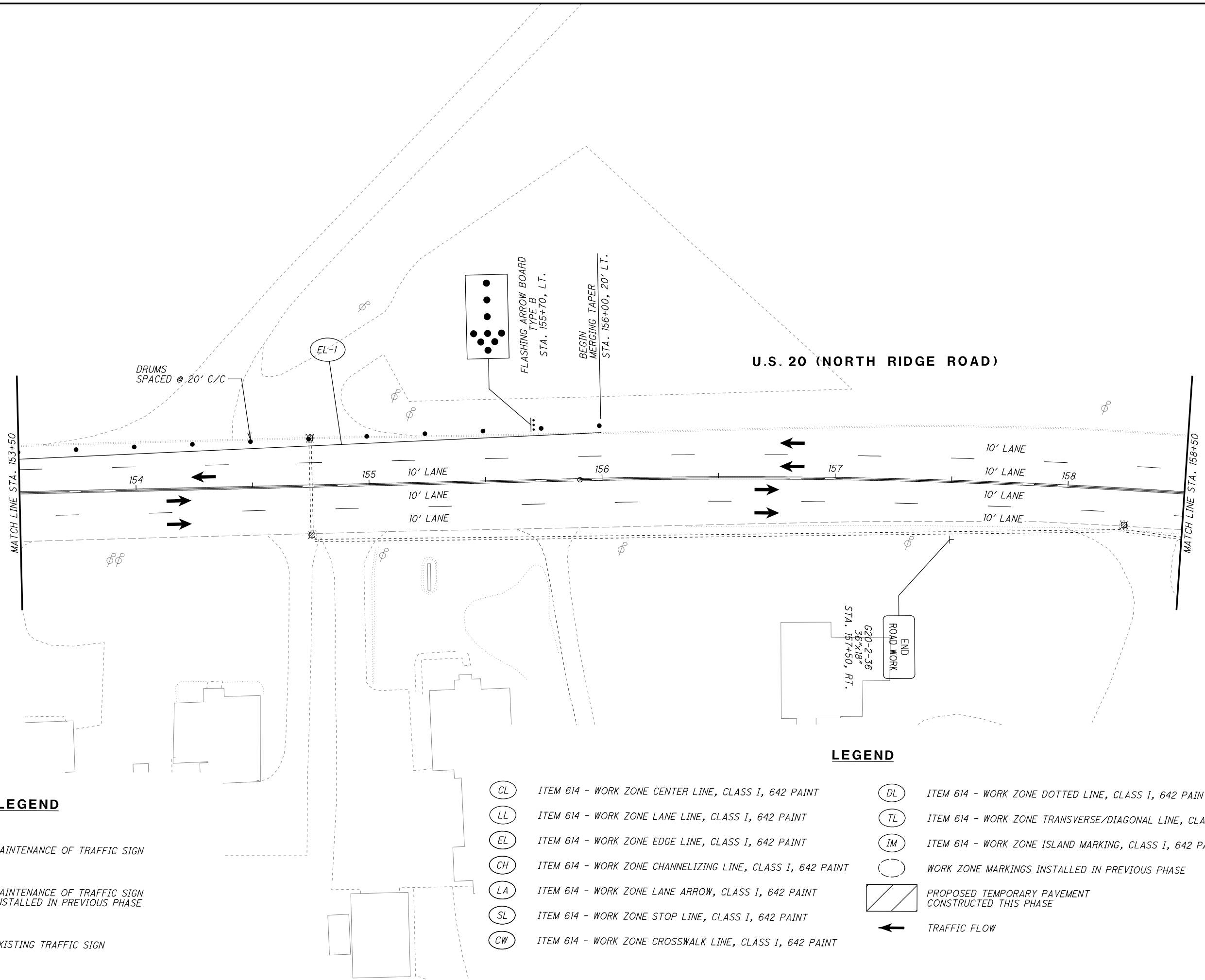
CALCULATED JDC  
 CHECKED EJT

0 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 5**  
**CULVERT STA. 149+38**

**LAK-US-20-19.59**  
**PART 1**

290  
 1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- TRAFFIC FLOW

**U.S. 20 (NORTH RIDGE ROAD)**

MATCH LINE STA. 153+50

MATCH LINE STA. 158+50

DRUMS SPACED @ 20' C/C

EL-1

FLASHING ARROW BOARD  
 TYPE B  
 STA. 155+70, LT.

BEGIN MERGING TAPER  
 STA. 156+00, 20' LT.

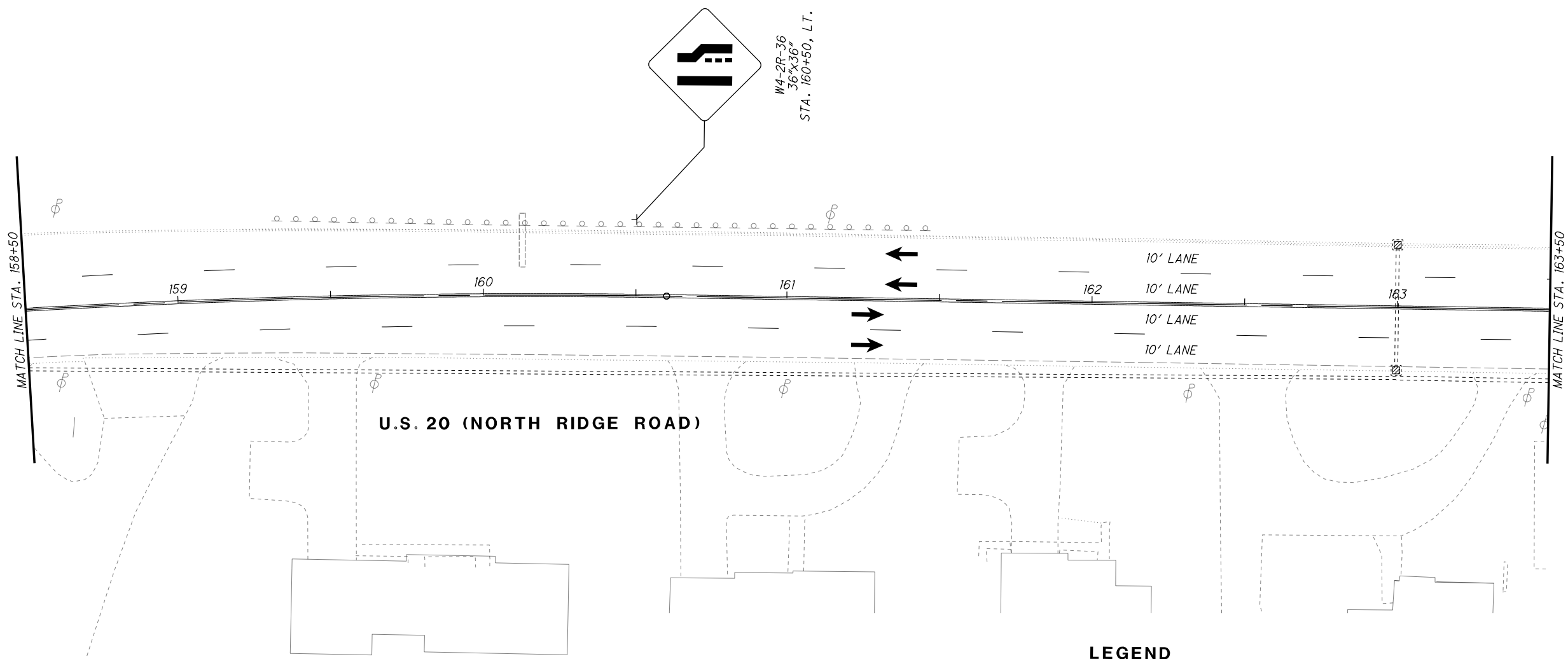
END ROAD WORK  
 G20-2-36  
 36" x 18"  
 STA. 157+50, RT.

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CALCULATED JDC  
 CHECKED EJT  
 0 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 5**  
**CULVERT STA. 149+38**

**LAK-US-20-19.59**  
**PART 1**



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

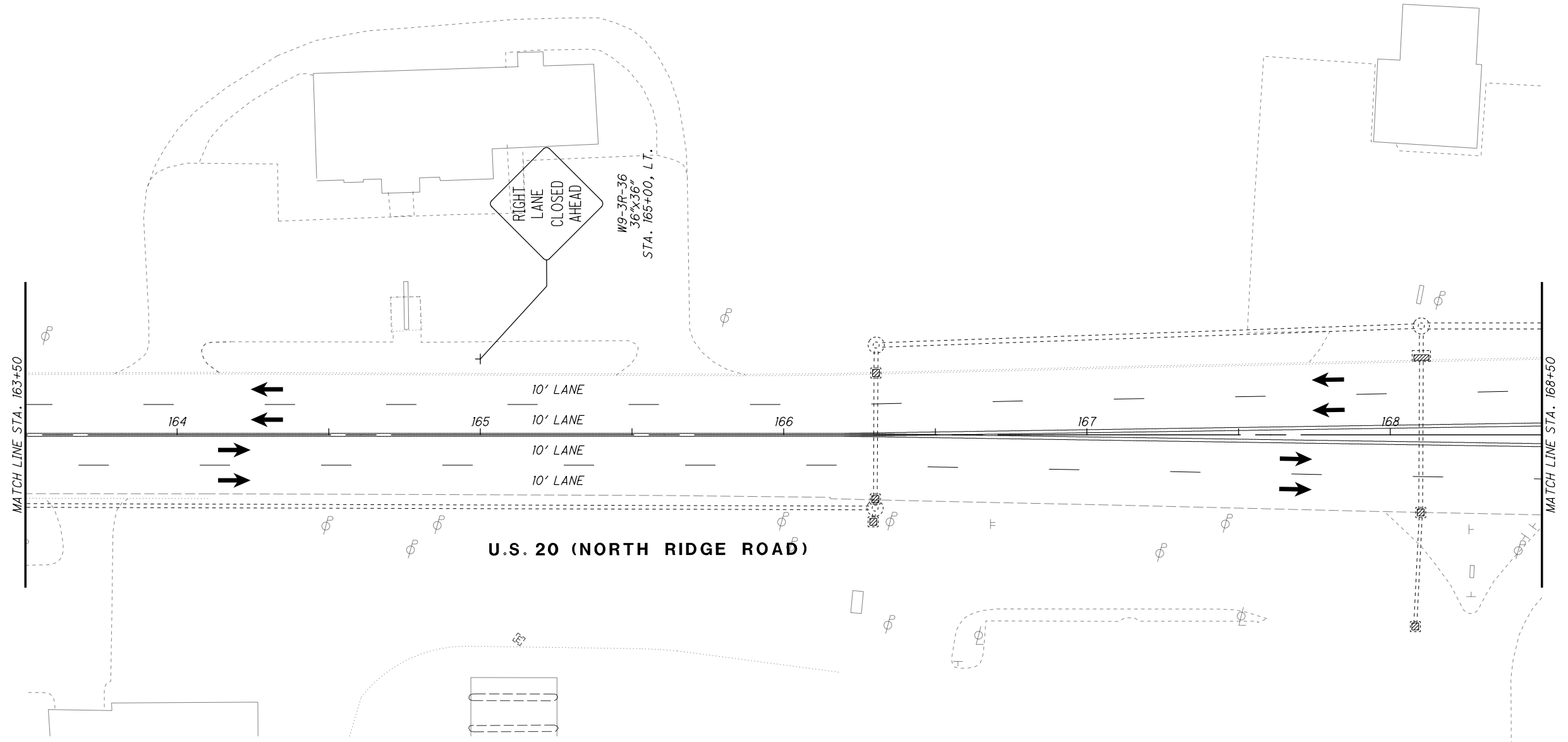
- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- TRAFFIC FLOW

**U.S. 20 (NORTH RIDGE ROAD)**

W4-2R-36  
 36"x36"  
 STA. 160+50, LT.



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (▨)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (←)  | TRAFFIC FLOW  |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |      |   |

**LEGEND**

- |           |   |
|-----------|---|
| (□)       | MAINTENANCE OF TRAFFIC SIGN                             |
| (⋯□)      | MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| (- - - □) | EXISTING TRAFFIC SIGN                                   |

CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET

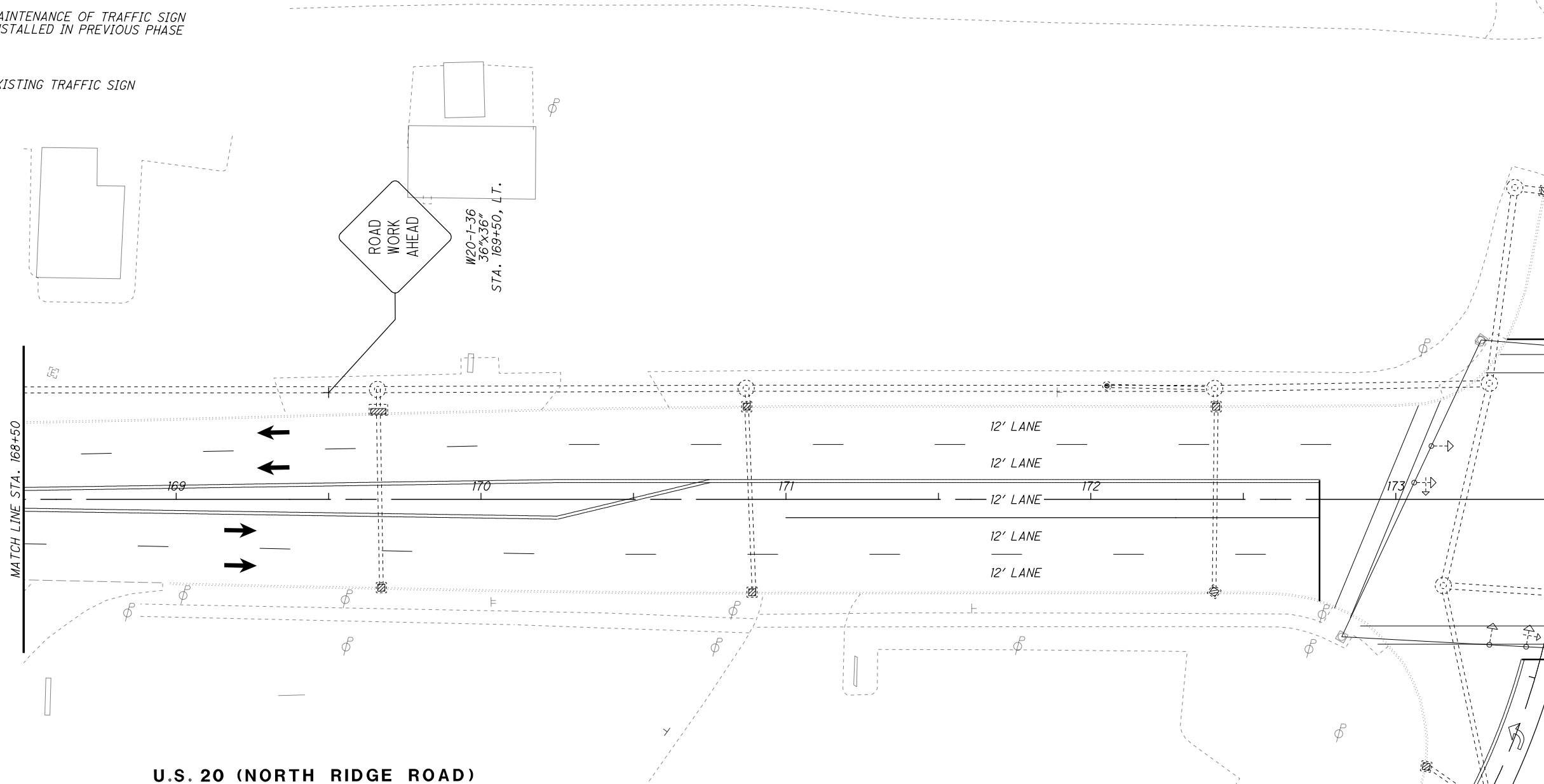
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 5  
CULVERT STA. 149+38**

**LAK-US-20-19.59  
PART 1**

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







**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  TRAFFIC FLOW  |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  |

CALCULATED	JDC	CHECKED	EJT




0 10 20 40  
HORIZONTAL SCALE IN FEET

**LAK-US-20-19.59 PART 1**  
**MAINTENANCE OF TRAFFIC PLAN PRE-PHASE 5**  
**CULVERT STA. 149+38**

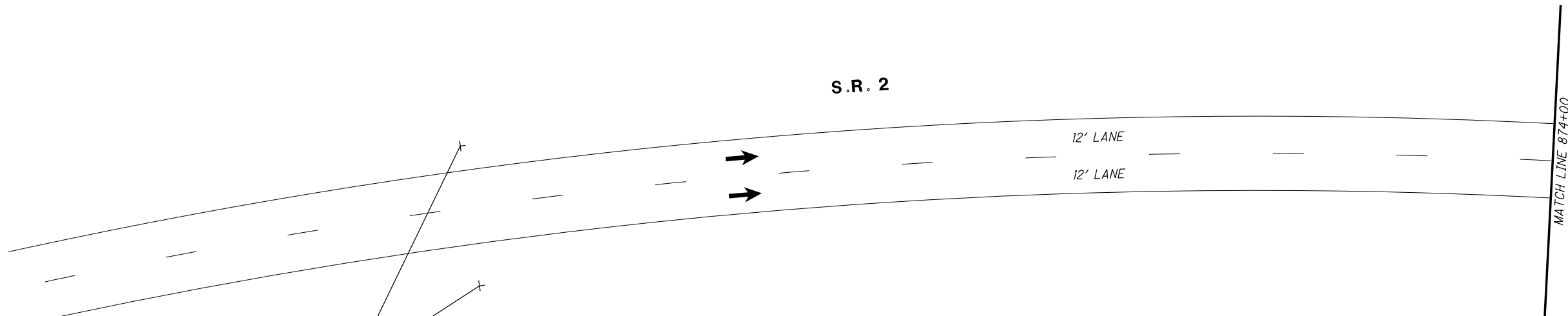
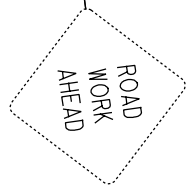
293  
1253

















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- LEGEND**
-  MAINTENANCE OF TRAFFIC SIGN
  -  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  -  EXISTING TRAFFIC SIGN

W20-1-36  
36"x36"  
STA. 870+50, LT.  
STA. 870+50, RT.



- LEGEND**
- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

CALCULATED  
JDC  
CHECKED  
EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 1 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

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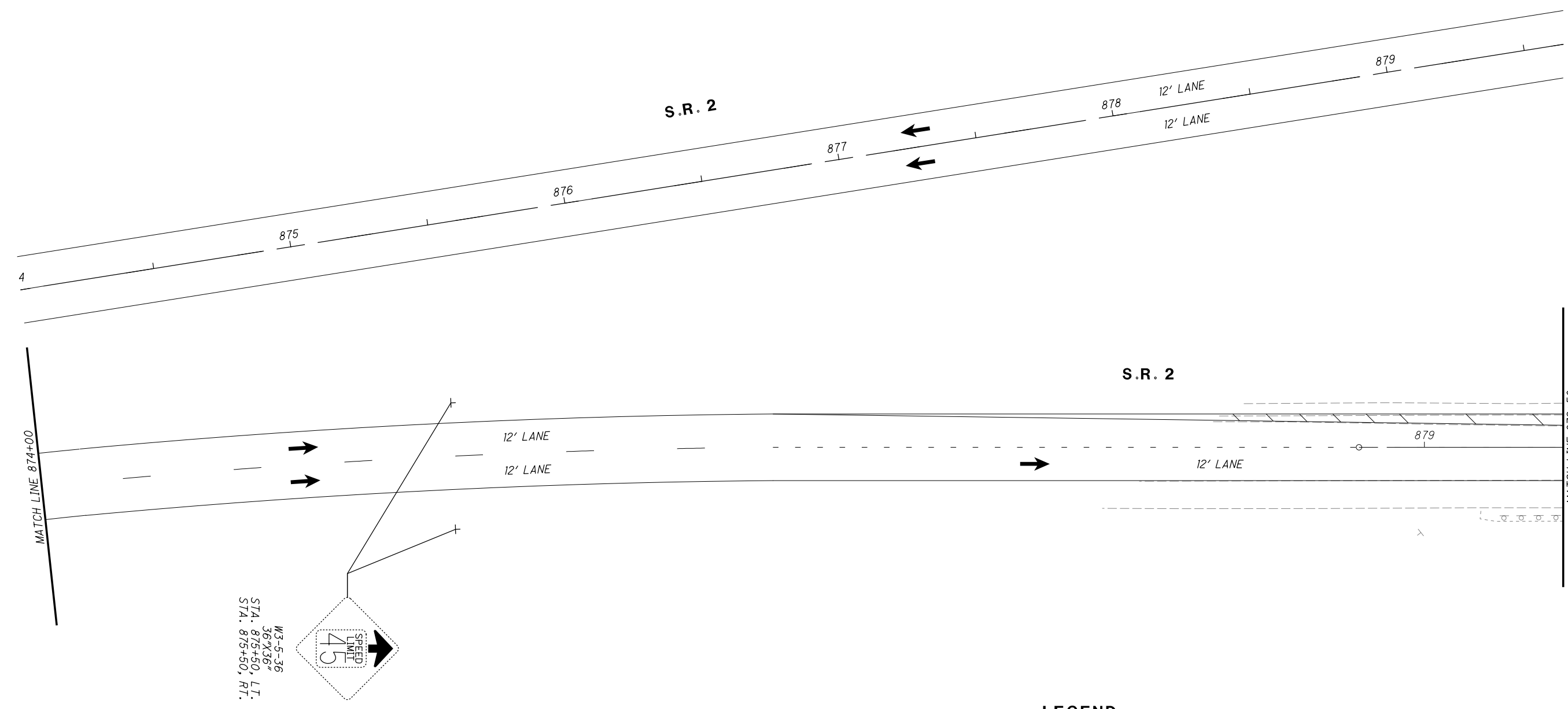
CALCULATED  
JDC  
CHECKED  
EJT

0 20 40  
10  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 1 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

295  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
| ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
| ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | TRAFFIC FLOW  |

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**LEGEND**

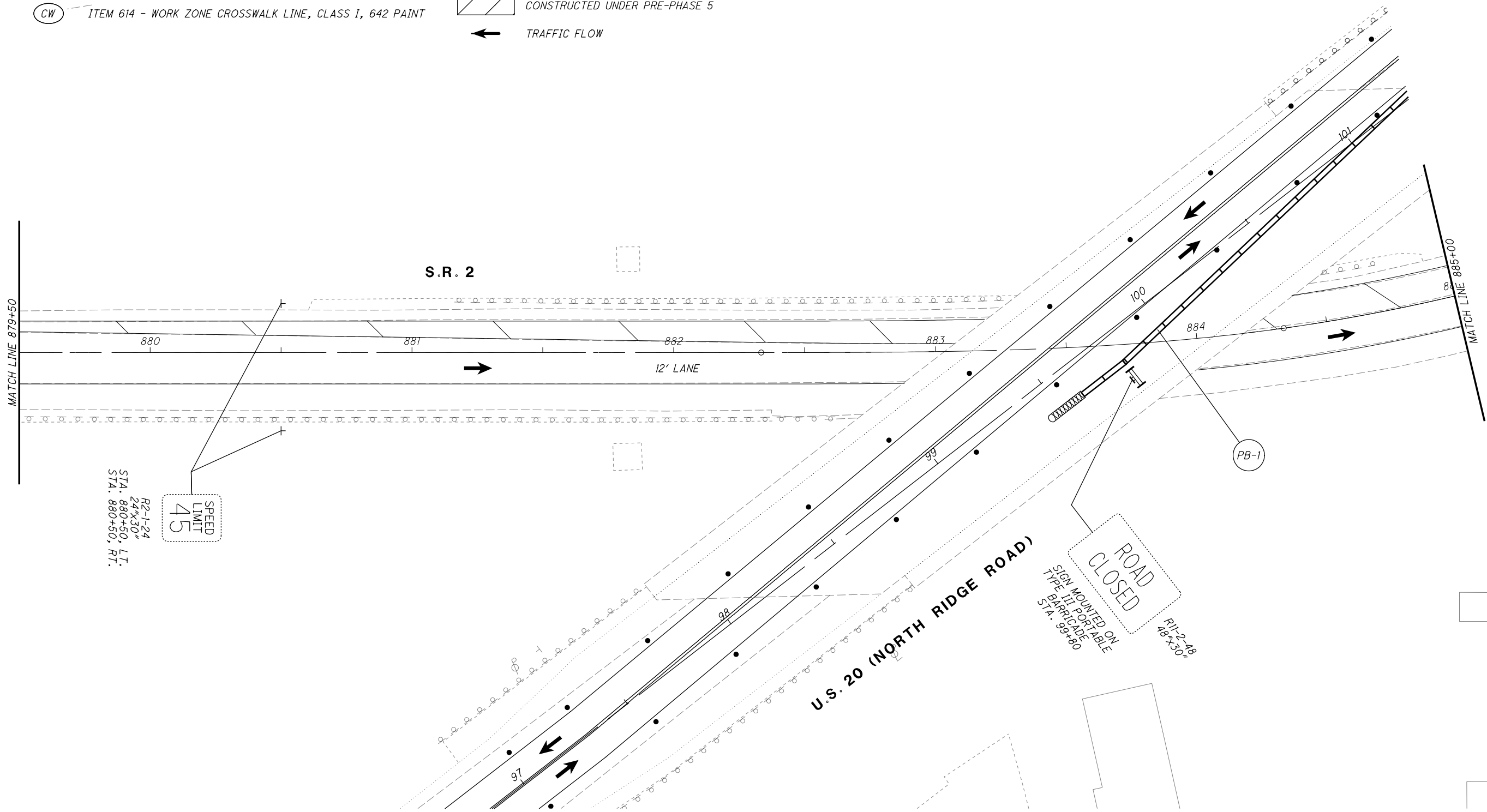
- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- [X] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- [/] PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- ← TRAFFIC FLOW

**LEGEND**

- [ ] MAINTENANCE OF TRAFFIC SIGN
- [ ] MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- [ ] EXISTING TRAFFIC SIGN

CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET



**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
SUBPHASE 1 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59  
PART 1**

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**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 1 - S.R. 2 EASTBOUND RAMP**

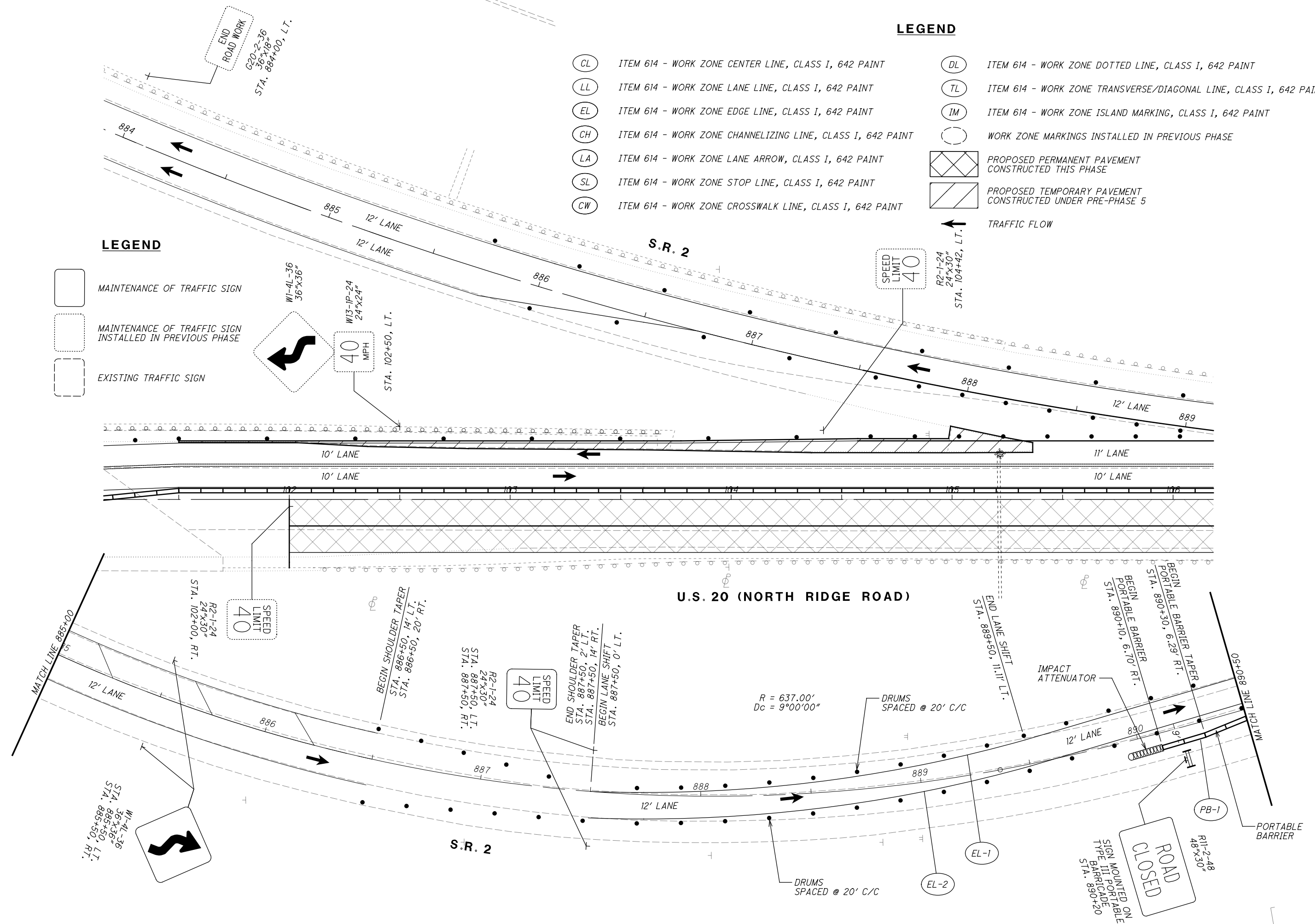
**LAK-US-20-19.59**  
**PART 1**

**LEGEND**




- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

**LEGEND**












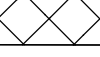
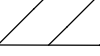

- |     |   |
|-----|---|
| (□) | MAINTENANCE OF TRAFFIC SIGN                             |
| (□) | MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| (□) | EXISTING TRAFFIC SIGN                                   |



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

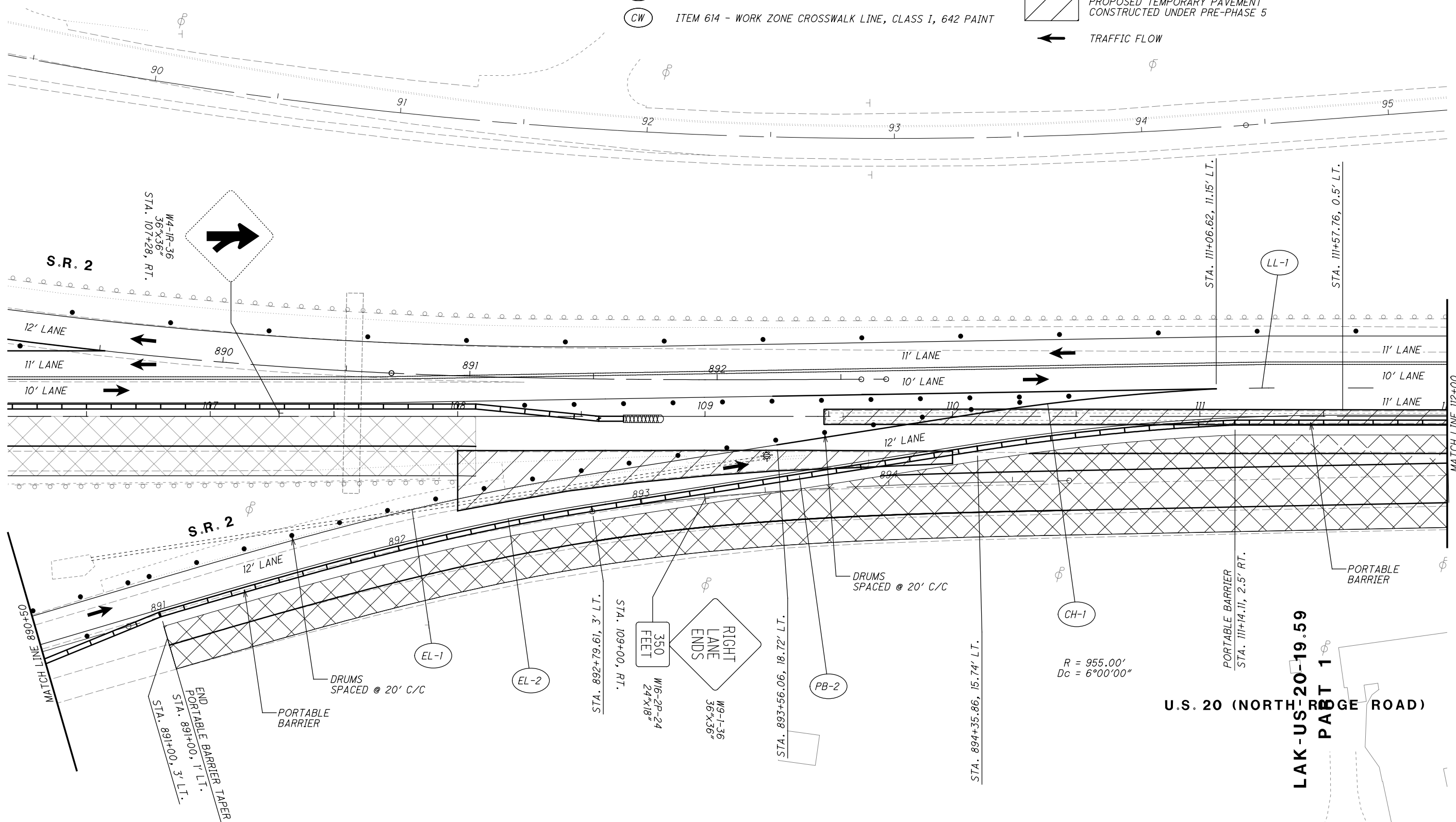
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-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET




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


**SUBPHASE 1 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**  
**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

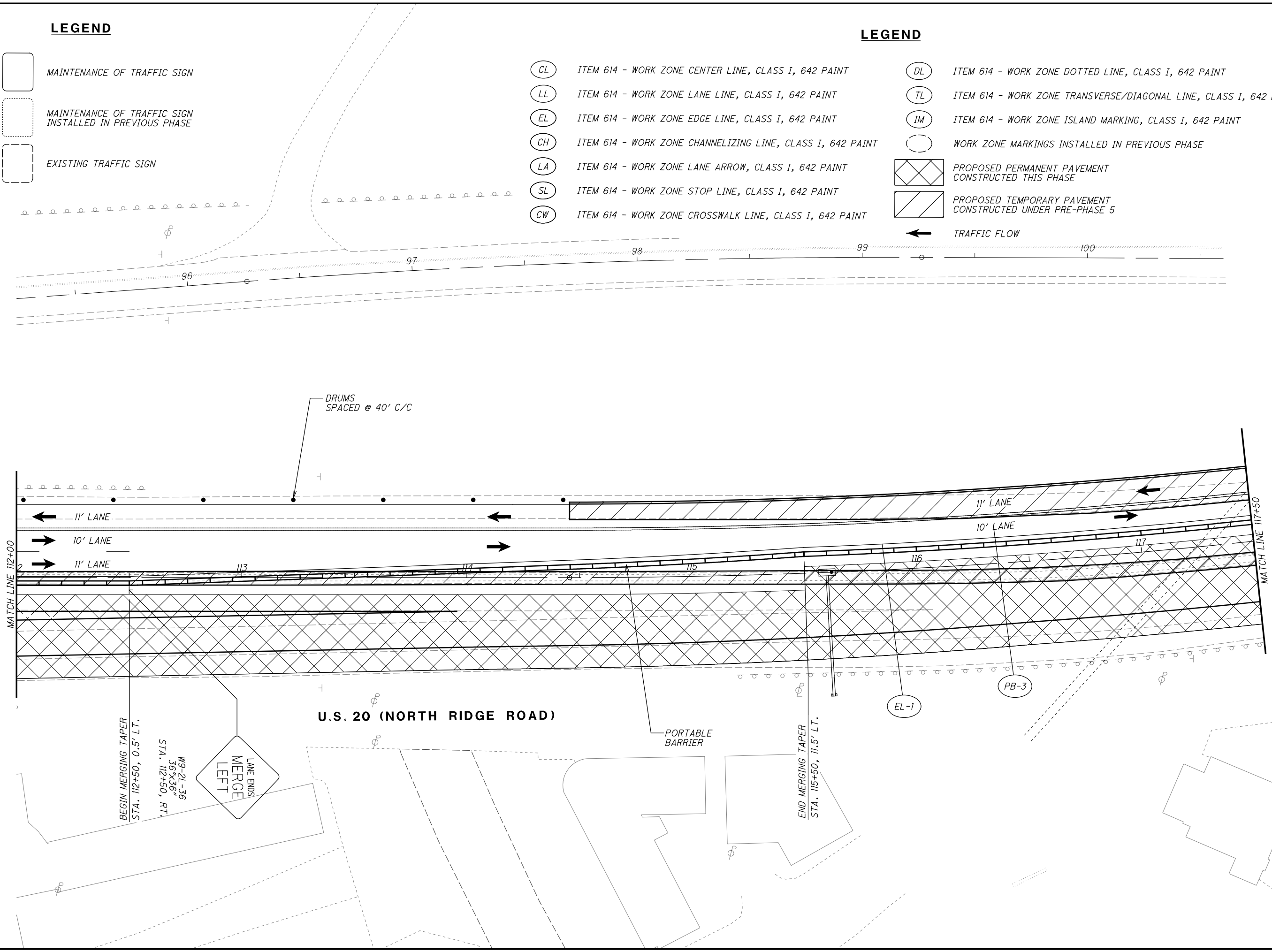
-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
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-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

  
 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
SUBPHASE 1 - S.R. 2 EASTBOUND RAMP**




**LAK-US-20-19.59  
PART 1**

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







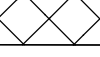
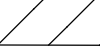



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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

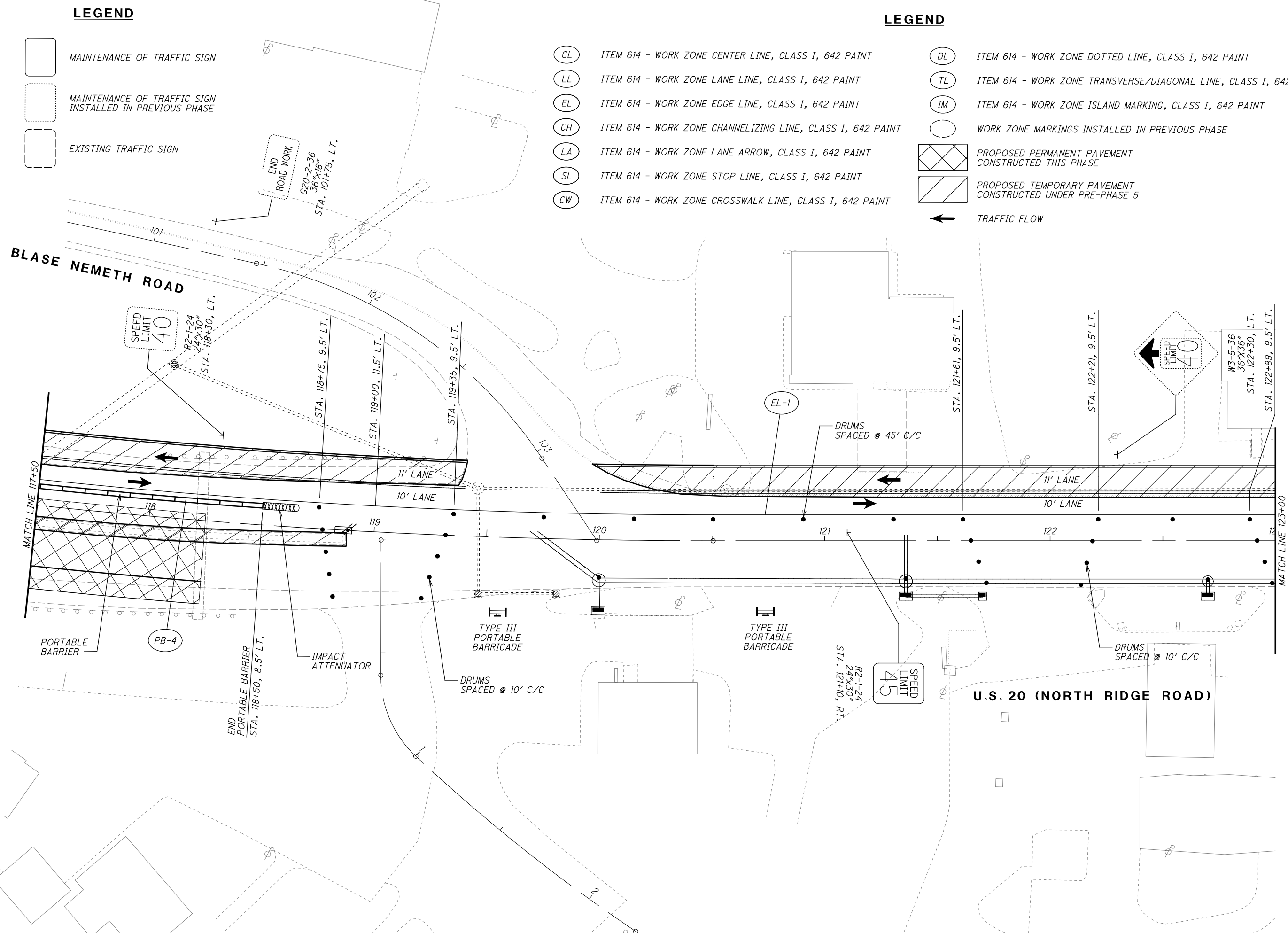
**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



**BLASE NEMETH ROAD**

**U.S. 20 (NORTH RIDGE ROAD)**






**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
SUBPHASE 1 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59  
PART 1**












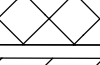
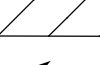



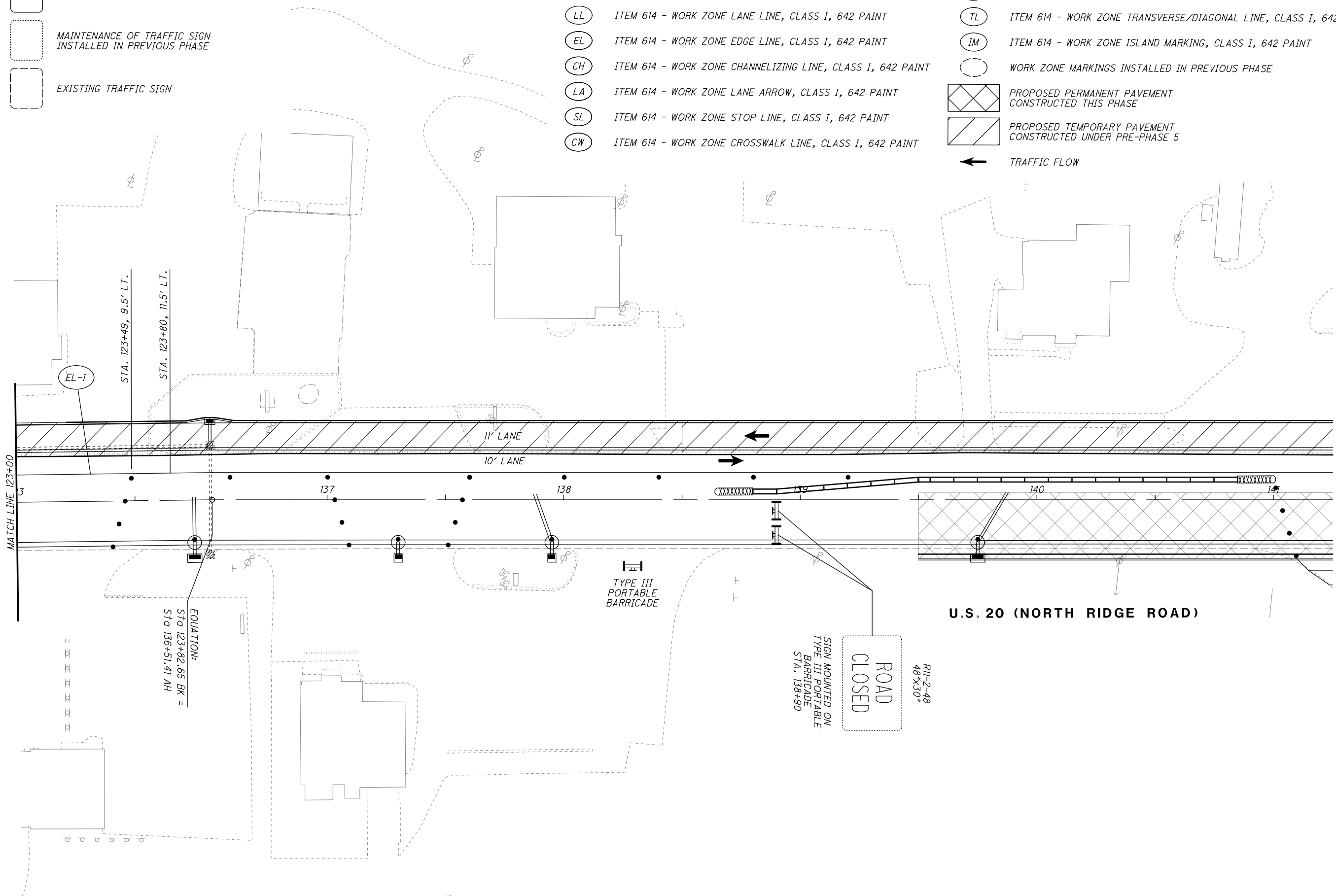
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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW




  
 HORIZONTAL SCALE IN FEET




CALCULATED JDC  
 CHECKED EJT  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 1 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

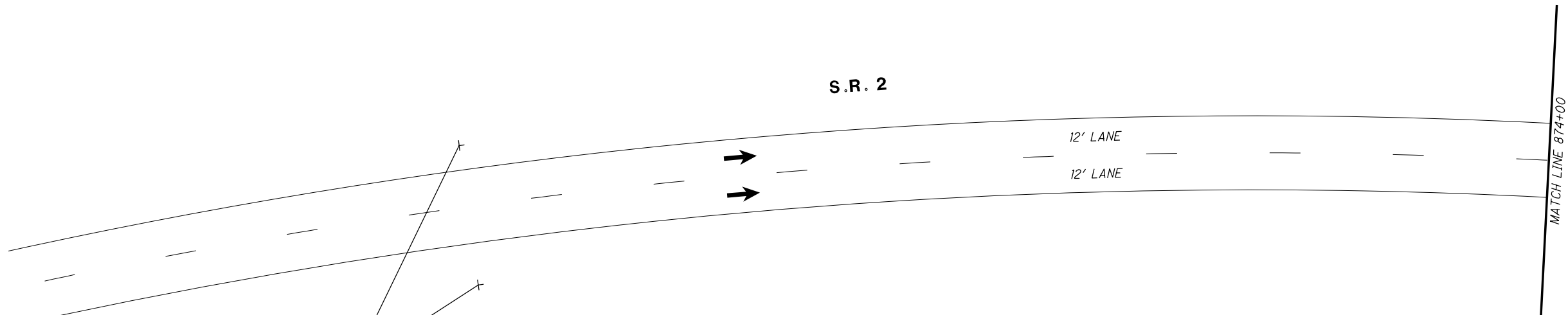
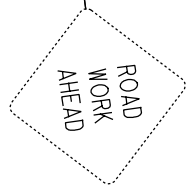


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




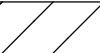


**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

W20-1-36  
36"x36"  
STA. 870+50, LT.  
STA. 870+50, RT.



**LEGEND**

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT		WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT		PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT		PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT		TRAFFIC FLOW

CALCULATED  
JDC  
CHECKED  
EJT




0 20 40  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 2 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

302  
1253

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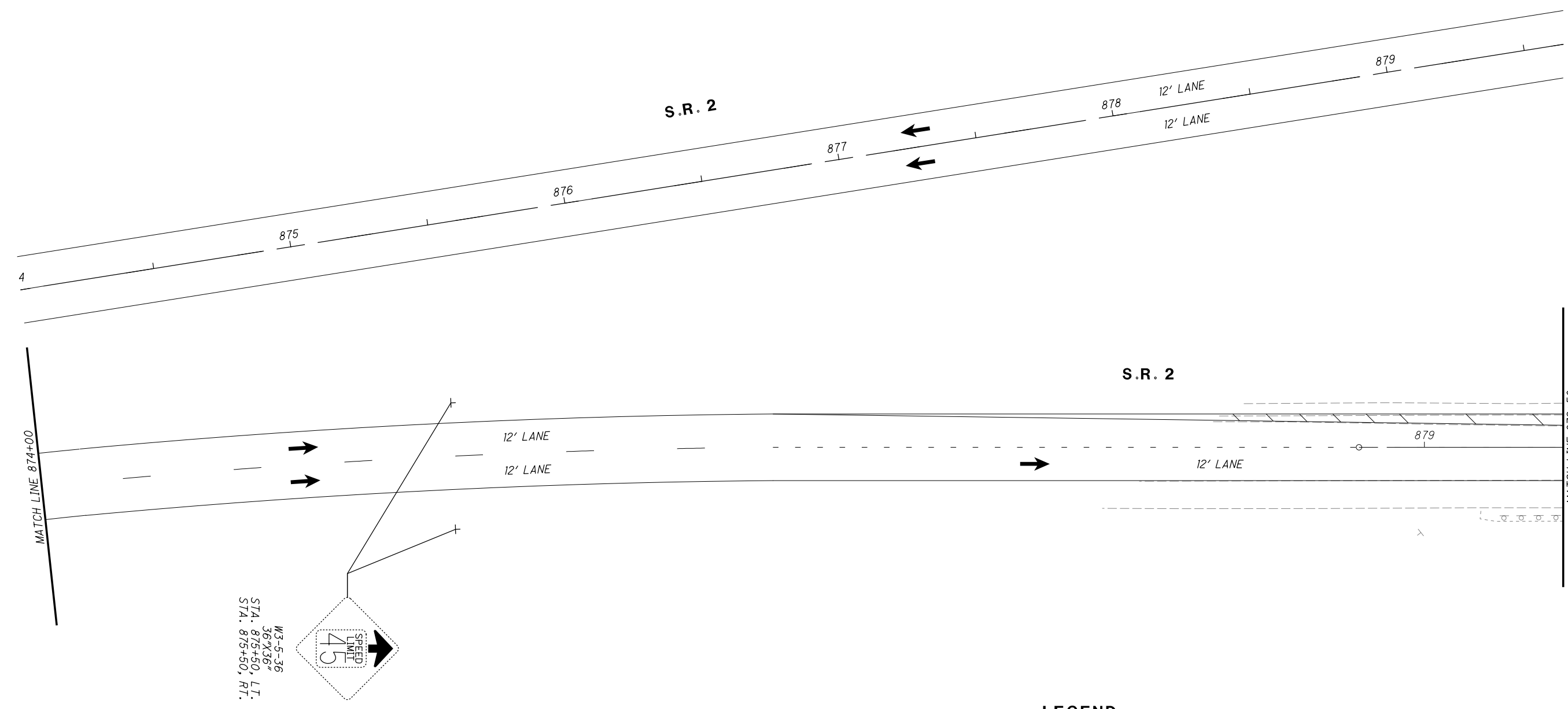
CALCULATED JDC CHECKED EJT

0 20 40  
10  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 2 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

303  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

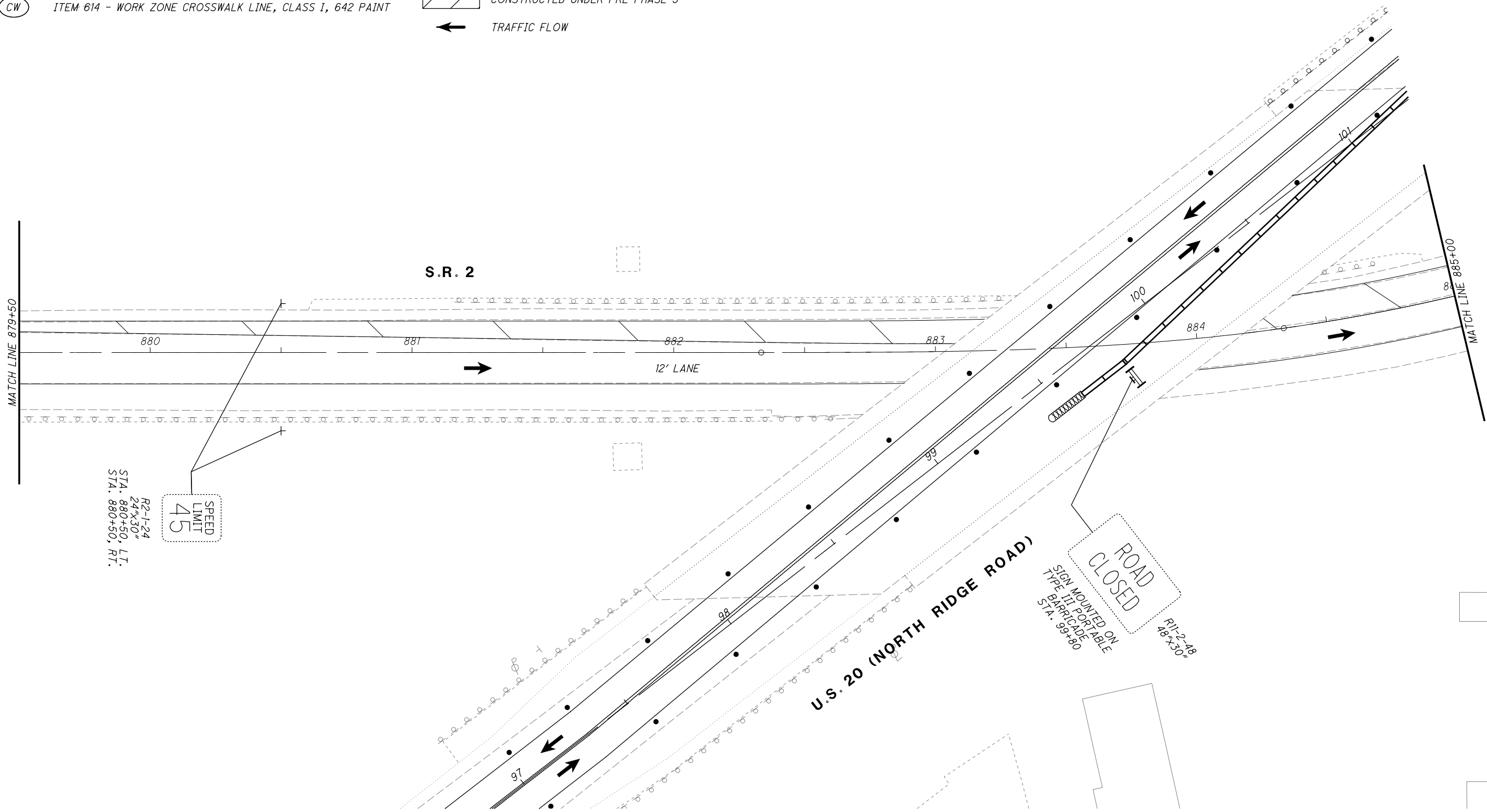
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**LEGEND**

- |   |  |
|---|--|
| (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (O) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                     |
| (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                 |
| (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5          |
| (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←) TRAFFIC FLOW   |

**LEGEND**

- |  |
|--|
| (Solid Box) MAINTENANCE OF TRAFFIC SIGN                              |
| (Dashed Box) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| (Dotted Box) EXISTING TRAFFIC SIGN                                   |



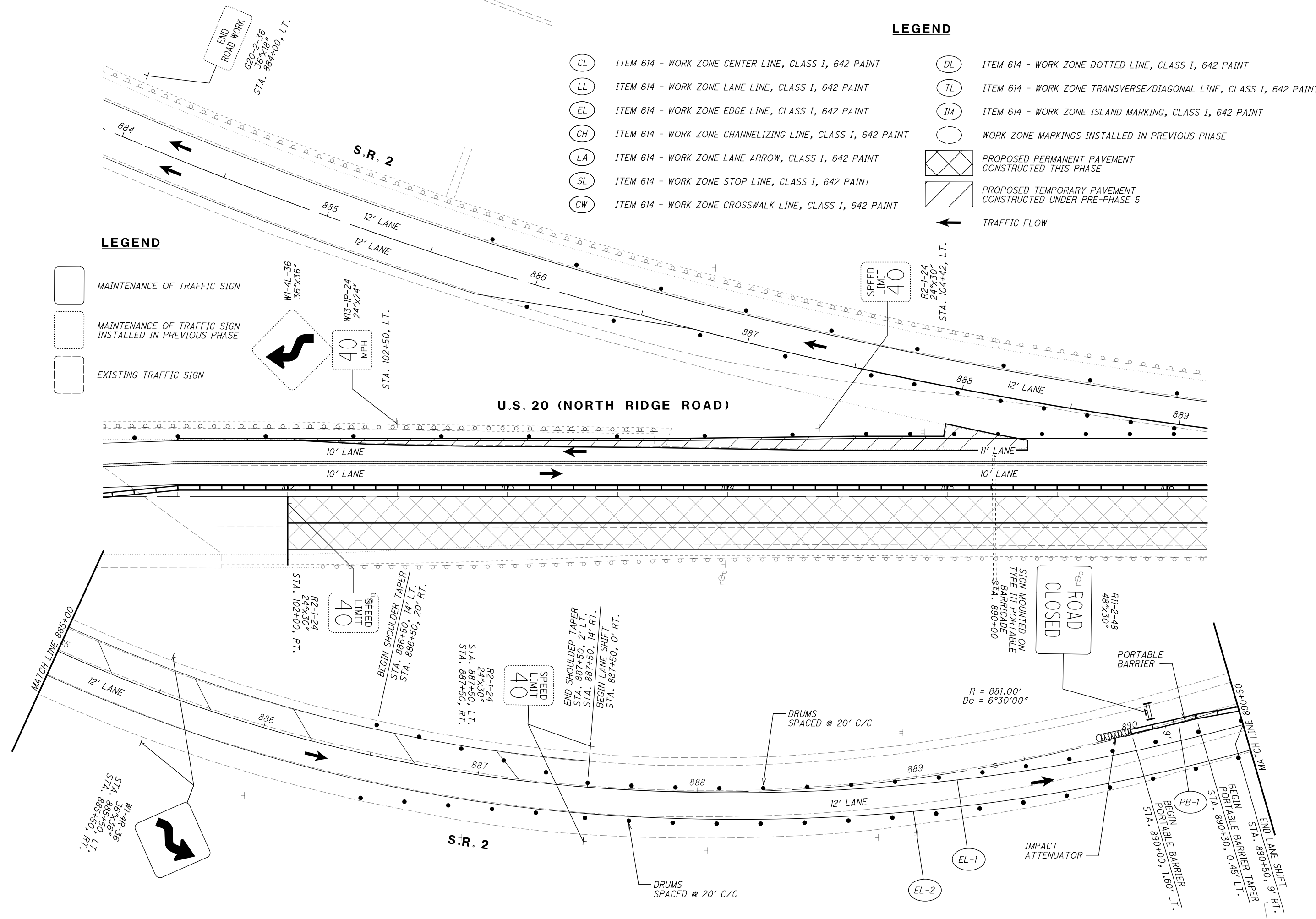
CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
SUBPHASE 2 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59  
PART 1**















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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



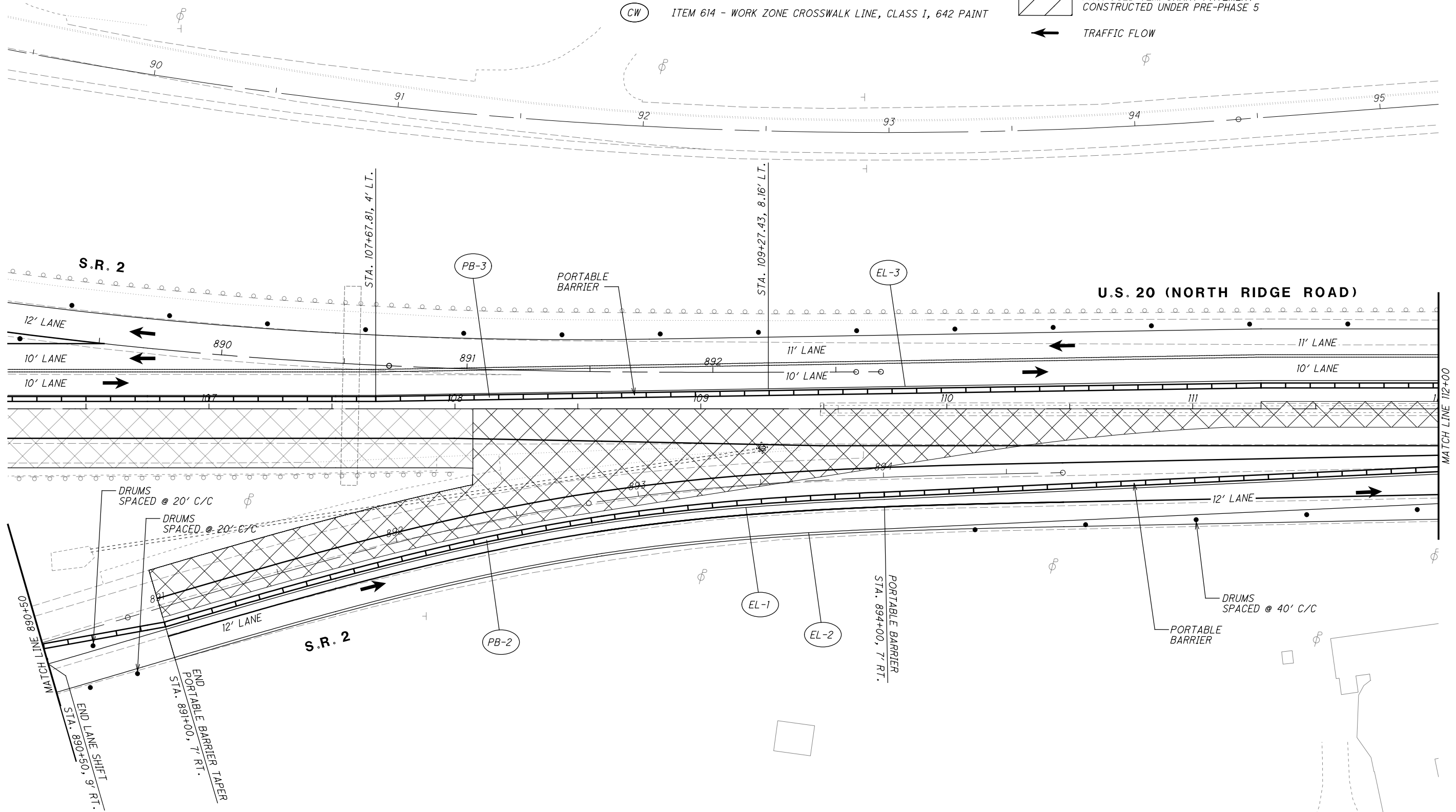
CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
SUBPHASE 2 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59  
PART 1**




306  
1253

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







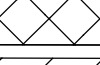
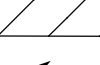



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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

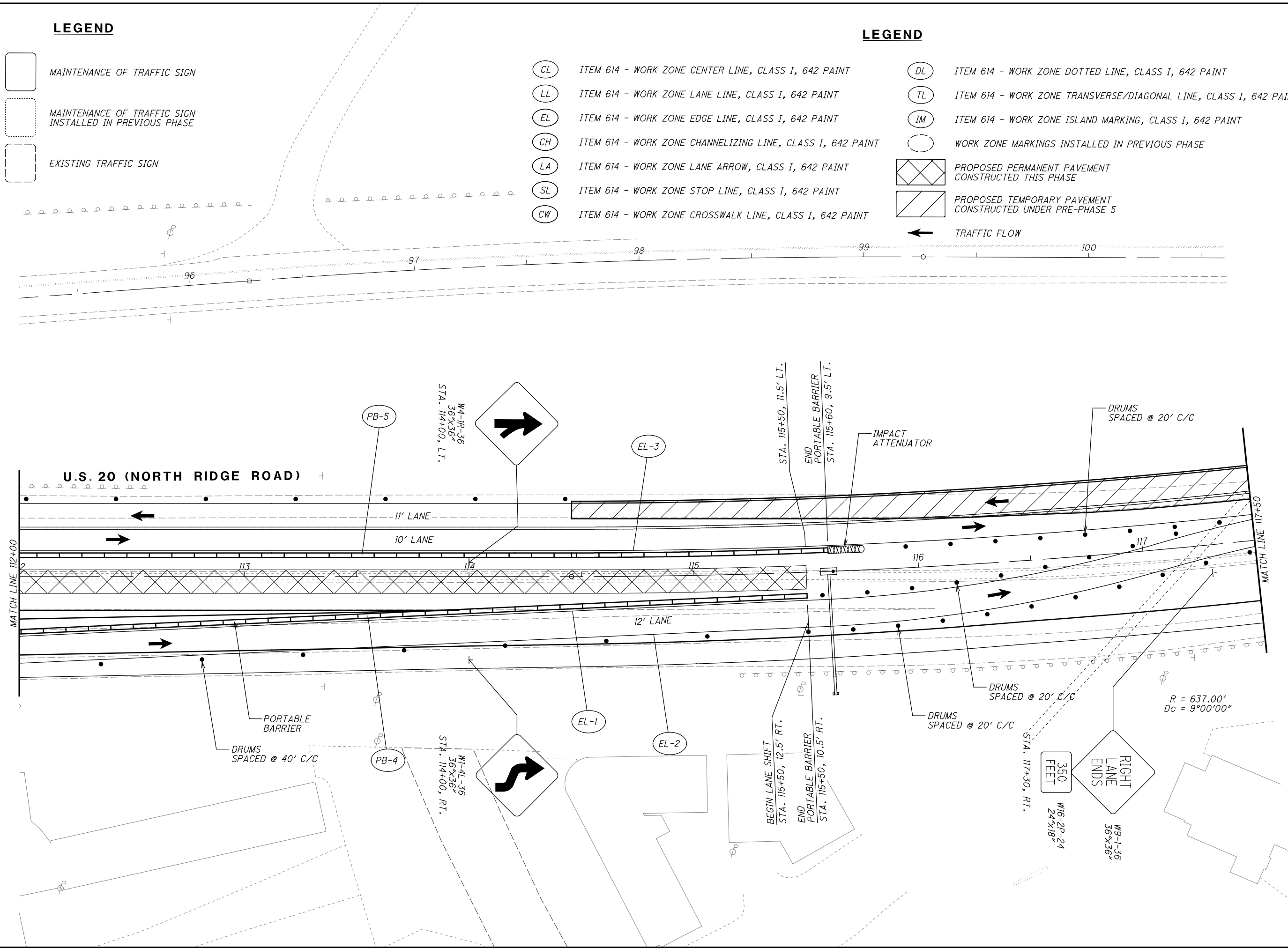
-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 2 - S.R. 2 EASTBOUND RAMP**




**LAK-US-20-19.59**  
**PART 1**

307  
1253













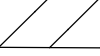



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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

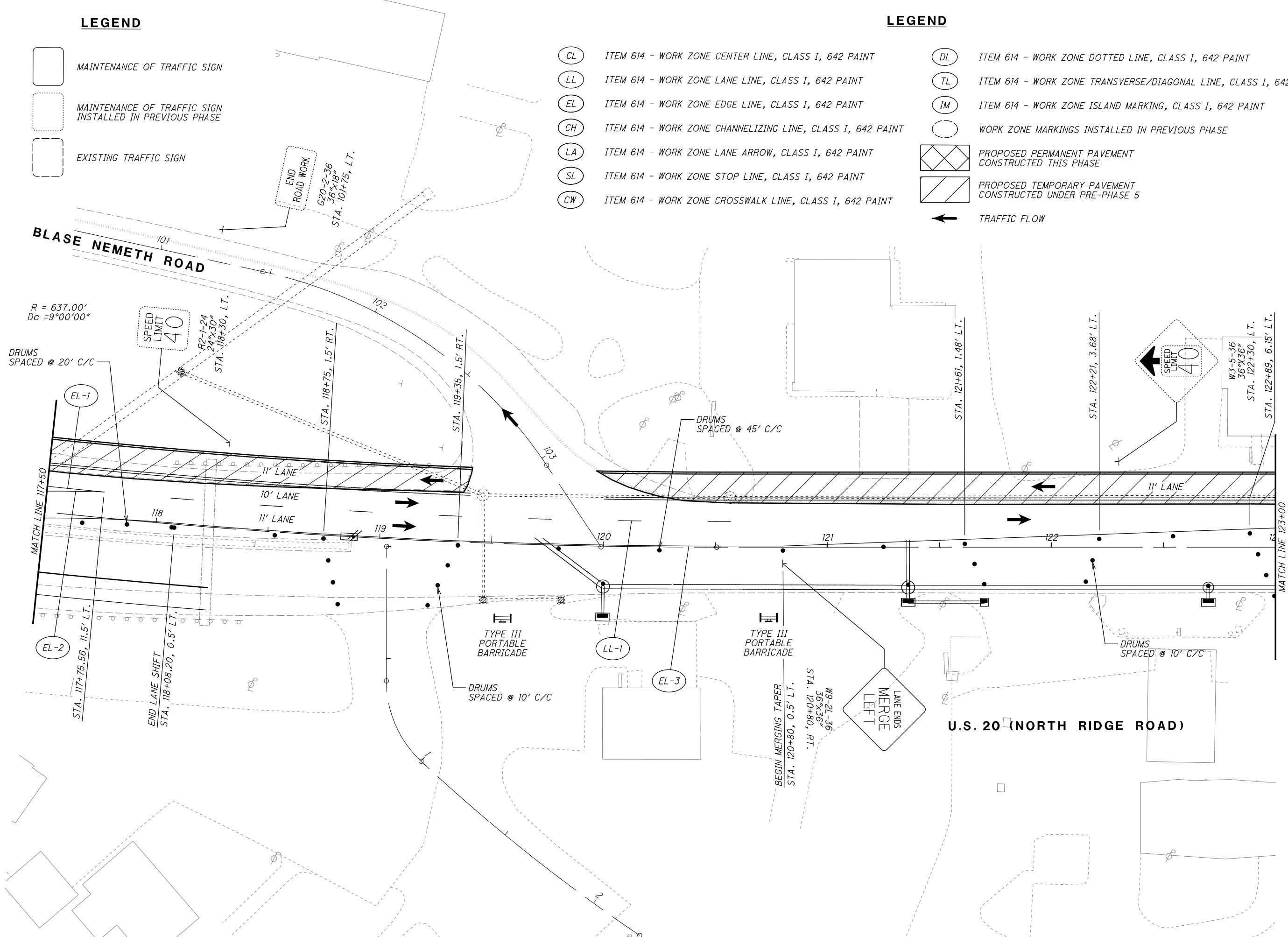
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CHECKED EJT




HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
SUBPHASE 2 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59  
PART 1**












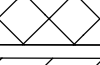
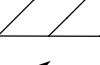



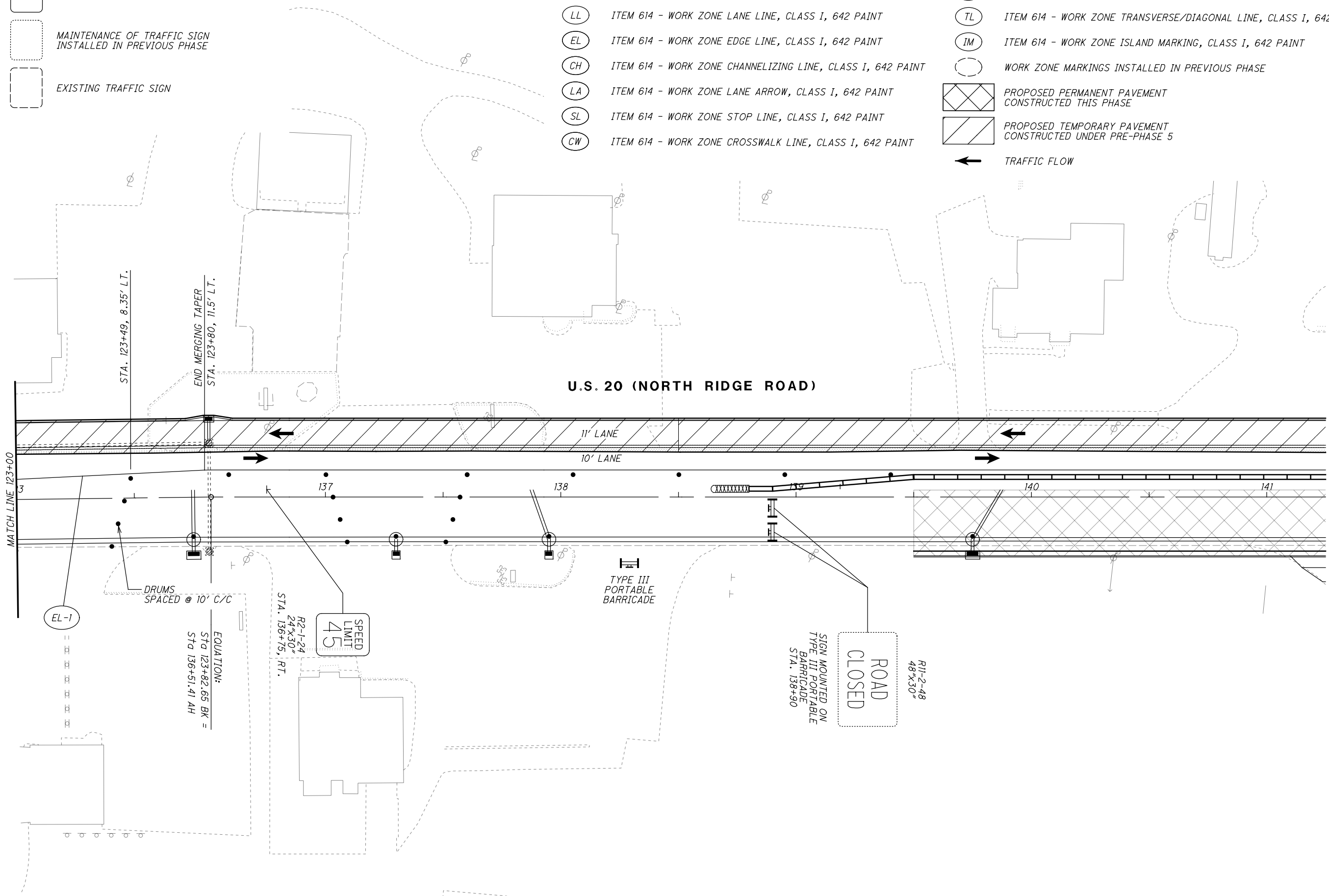
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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW






CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
SUBPHASE 2 - S.R. 2 EASTBOUND RAMP**

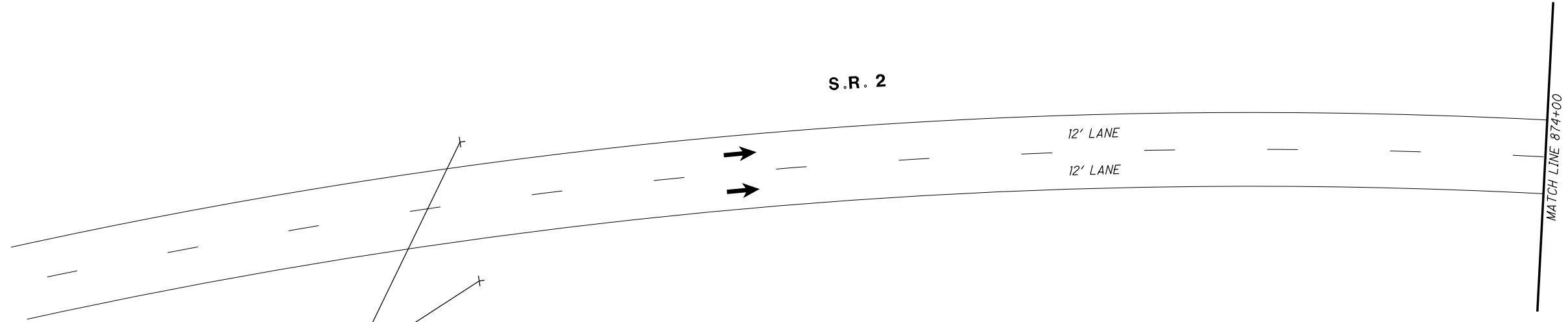
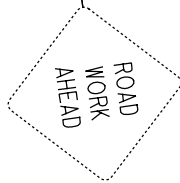
**LAK-US-20-19.59  
PART 1**










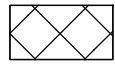






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- LEGEND**
-  MAINTENANCE OF TRAFFIC SIGN
  -  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  -  EXISTING TRAFFIC SIGN

W20-1-36  
36"x36"  
STA. 870+50, L.T.  
STA. 870+50, RT.



- LEGEND**
- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 3 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

310  
1253

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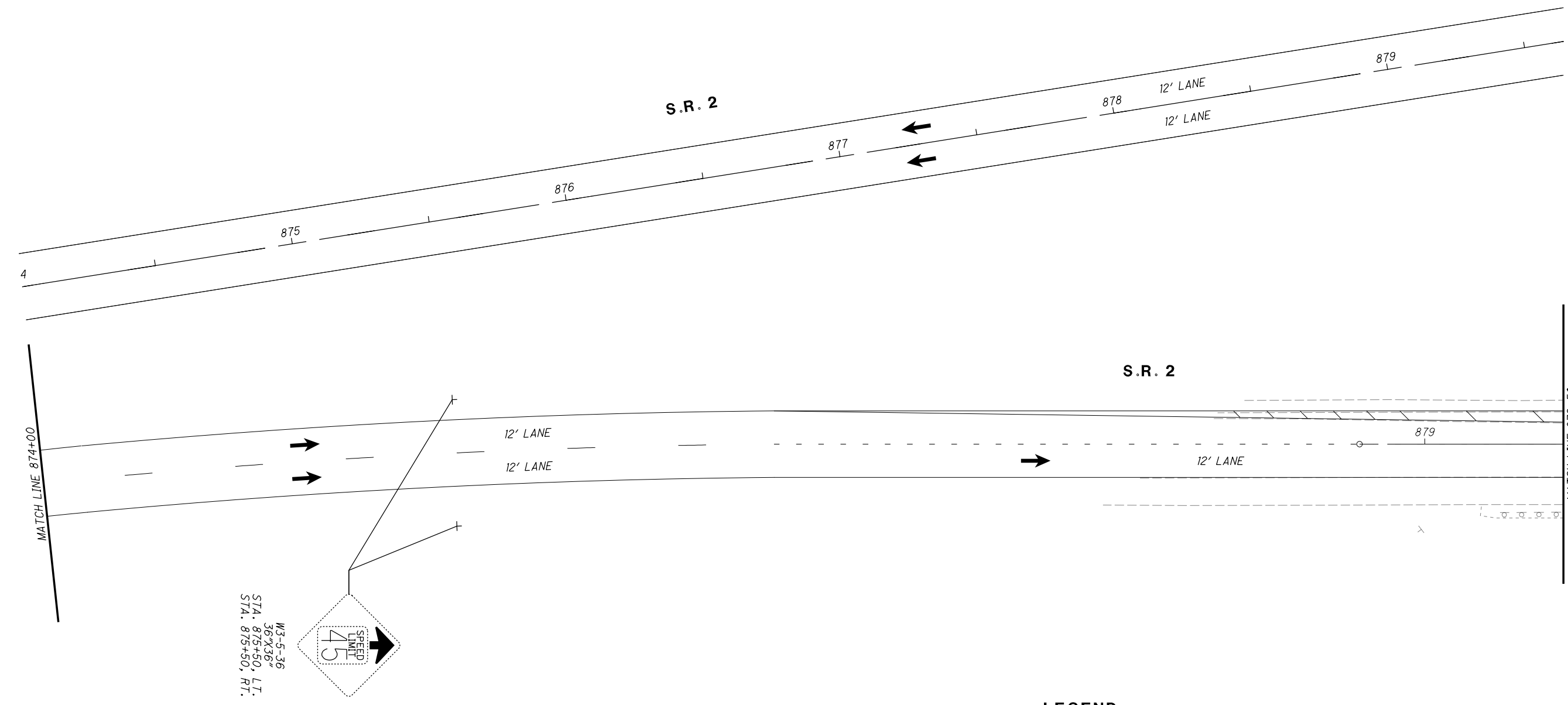
CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 3 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

311  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

W3-5-36  
36"X36"  
STA. 875+50, LT.  
STA. 875+50, RT.

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**LEGEND**

- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

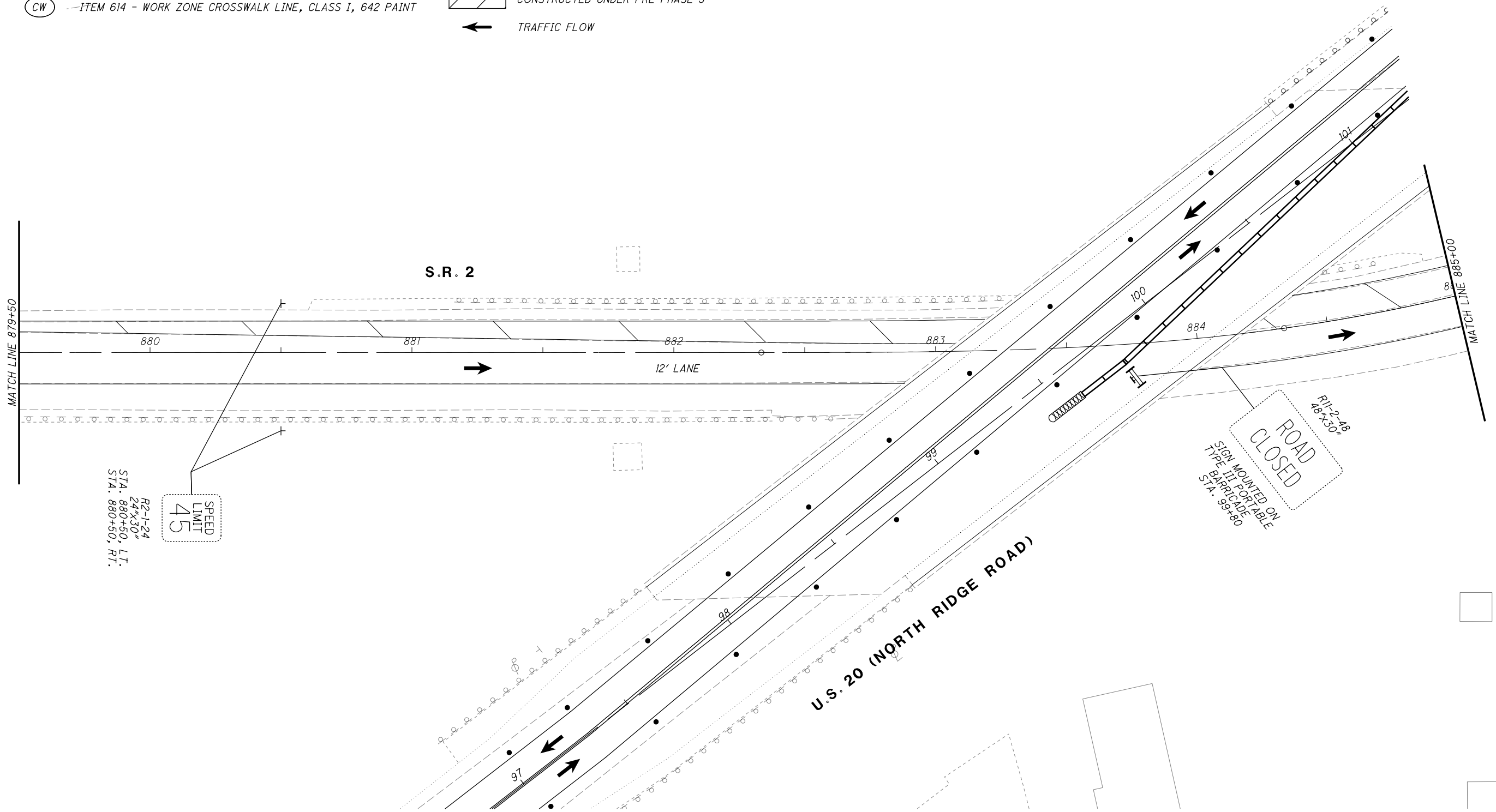
- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- (X) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- (/) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- (←) TRAFFIC FLOW

**LEGEND**

- ( ) MAINTENANCE OF TRAFFIC SIGN
- ( ) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- ( ) EXISTING TRAFFIC SIGN

CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET



**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59  
PART 1**

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**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 3 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

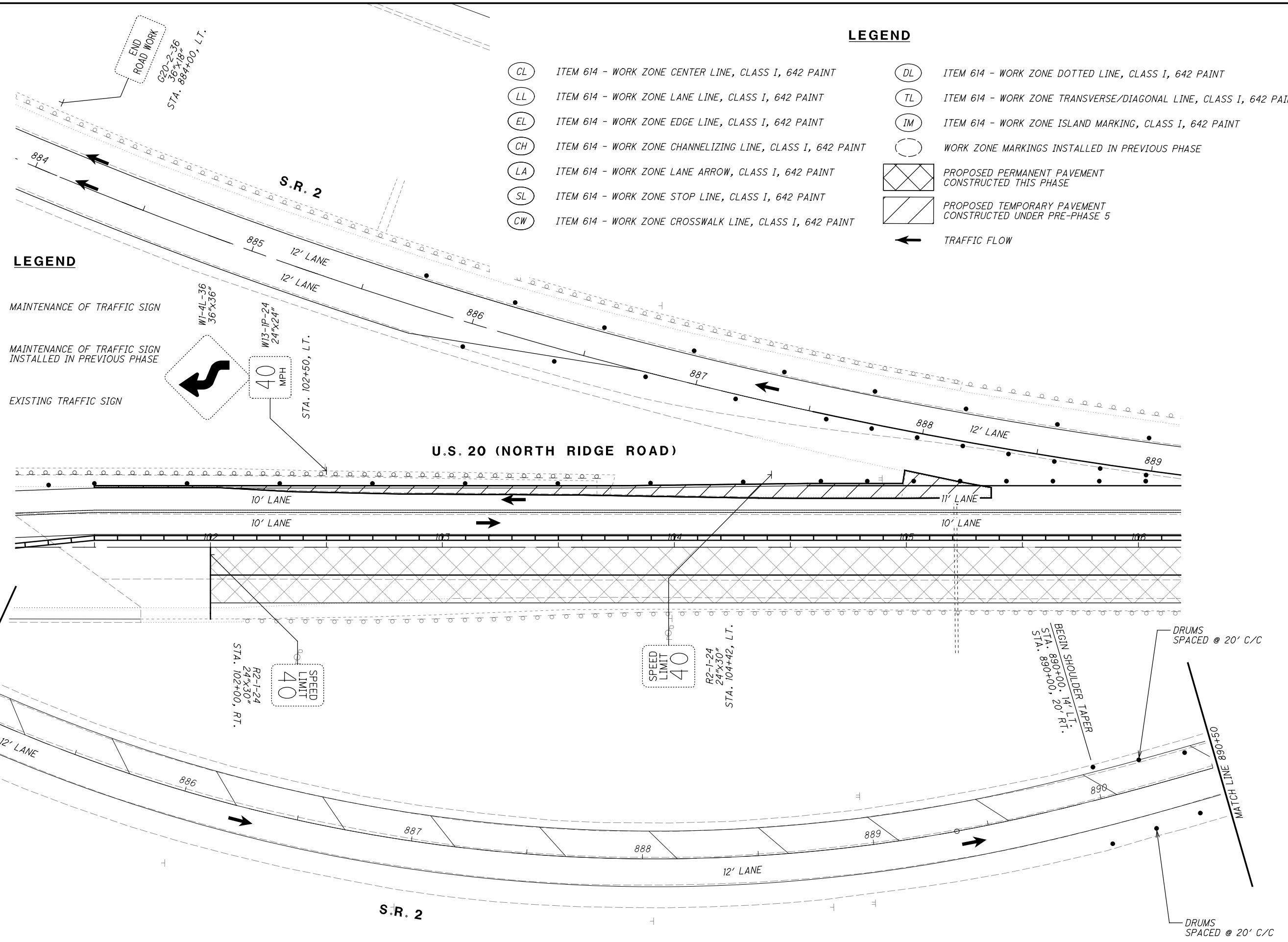
313  
1253

**LEGEND**

- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- (X) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- (/) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- ← TRAFFIC FLOW

**LEGEND**

- ( ) MAINTENANCE OF TRAFFIC SIGN
- ( ) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- ( ) EXISTING TRAFFIC SIGN



END ROAD WORK  
G20-2-36  
36"x18"  
STA. 88+00, L.T.

W1-4L-36  
36"x36"  
W13-IP-24  
24"x24"  
40 MPH  
STA. 102+50, L.T.

R2-1-24  
24"x30"  
40  
STA. 102+00, RT.

SPEED LIMIT  
40  
R2-1-24  
24"x30"  
STA. 104+42, L.T.

BEGIN SHOULDER TAPER  
14' L.T.  
20' RT.  
STA. 890+00

DRUMS SPACED @ 20' C/C




DRUMS SPACED @ 20' C/C

MATCH LINE 885+00













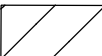

MATCH LINE 890+50

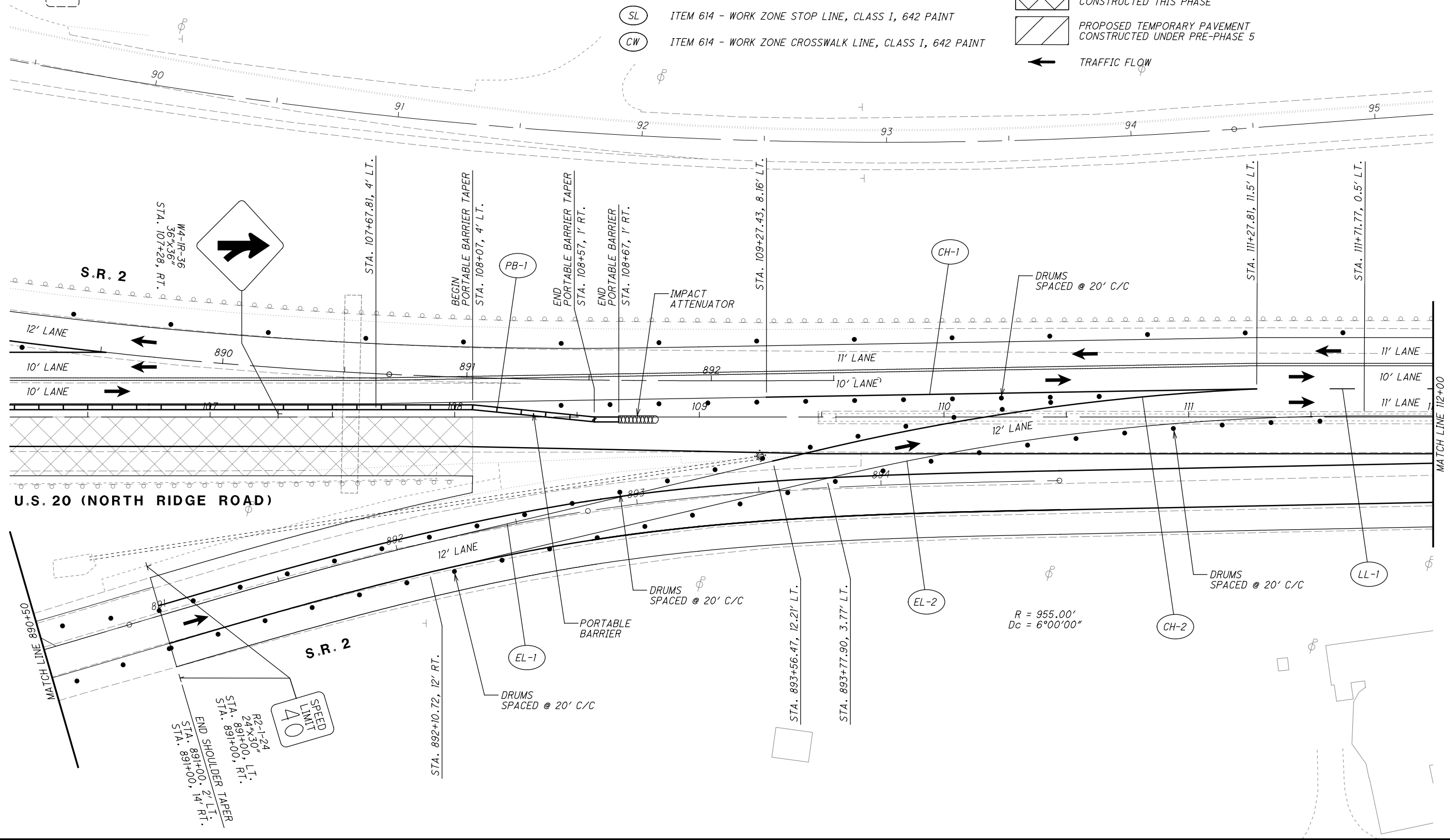
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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
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-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
SUBPHASE 3 - S.R. 2 EASTBOUND RAMP**




**LAK-US-20-19.59  
PART 1**








314  
1253

CALCULATED JDC  
CHECKED EUT






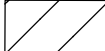

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
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-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

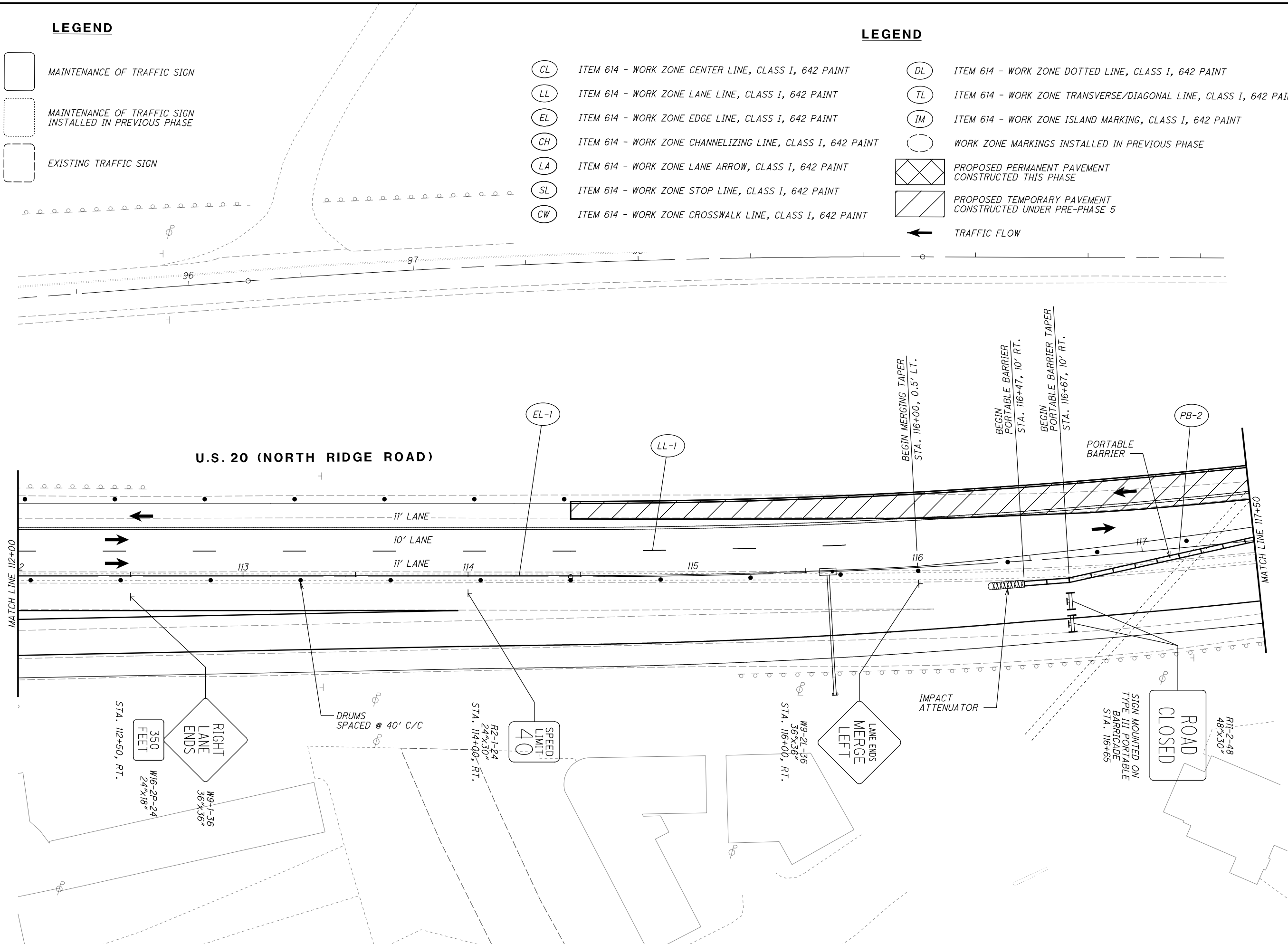


**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 3 - S.R. 2 EASTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

315  
1253

CALCULATED JDC  
CHECKED EUT



**U.S. 20 (NORTH RIDGE ROAD)**

MATCH LINE 112+00  
 113  
 114  
 115  
 116  
 117  
 MATCH LINE 117+50

350 FEET  
 W16-2P-24  
 24"x18"  
 M9-1-36  
 36"x36"  
 STA. 112+50, RT.

DRUMS SPACED @ 40' C/C

R2-1-24  
 24"x30"  
 STA. 114+00, RT.

M9-2L-36  
 36"x36"  
 STA. 116+00, RT.




IMPACT ATTENUATOR

SIGN MOUNTED ON TYPE III PORTABLE BARRICADE  
 STA. 116+65













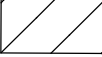

R11-2-48  
 48"x30"

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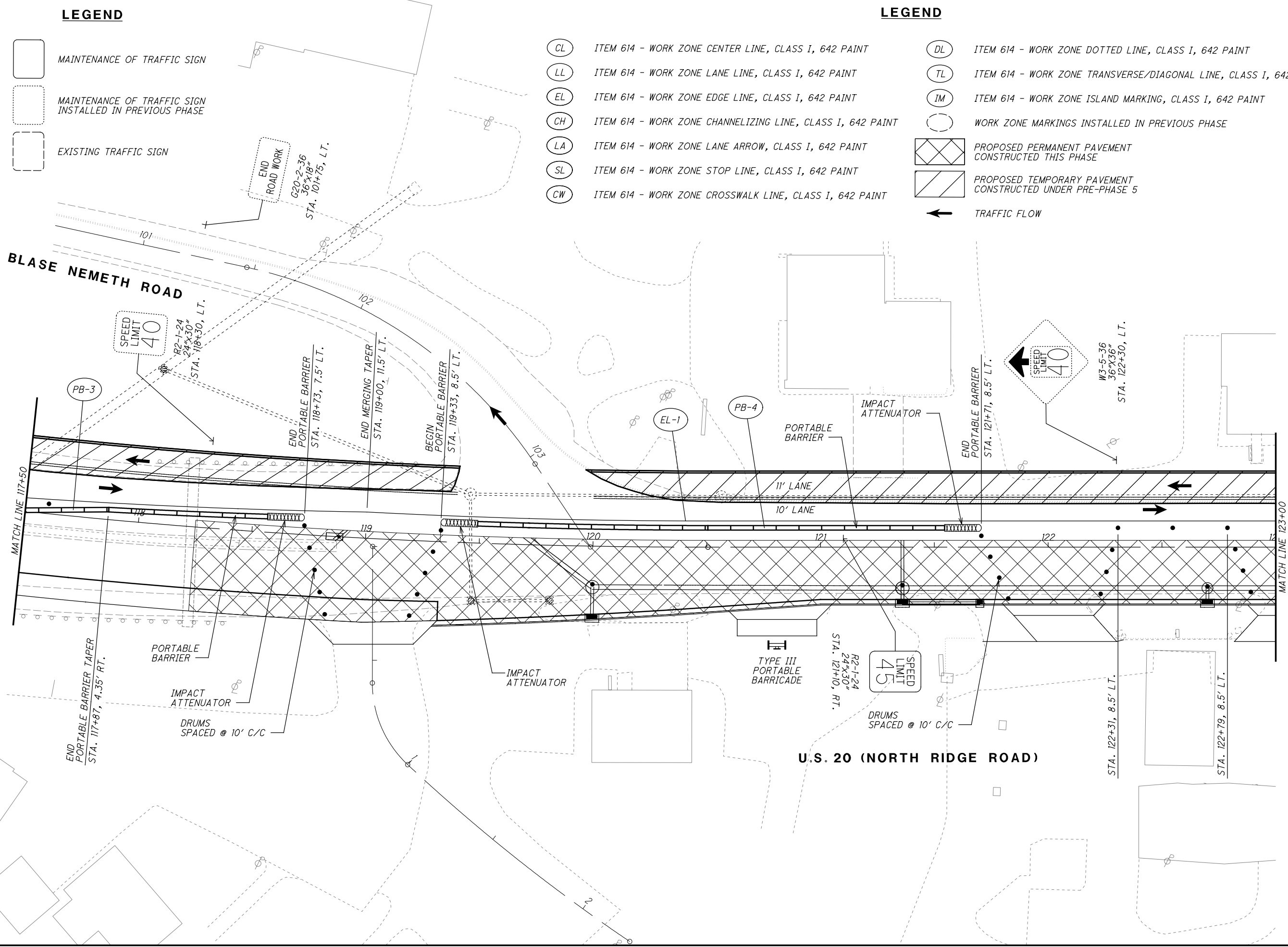
**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

**BLASE NEMETH ROAD**






CALCULATED	JDC
CHECKED	EUT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 3 - S.R. 2 EASTBOUND RAMP**












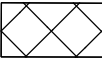


**LAK-US-20-19.59**  
**PART 1**

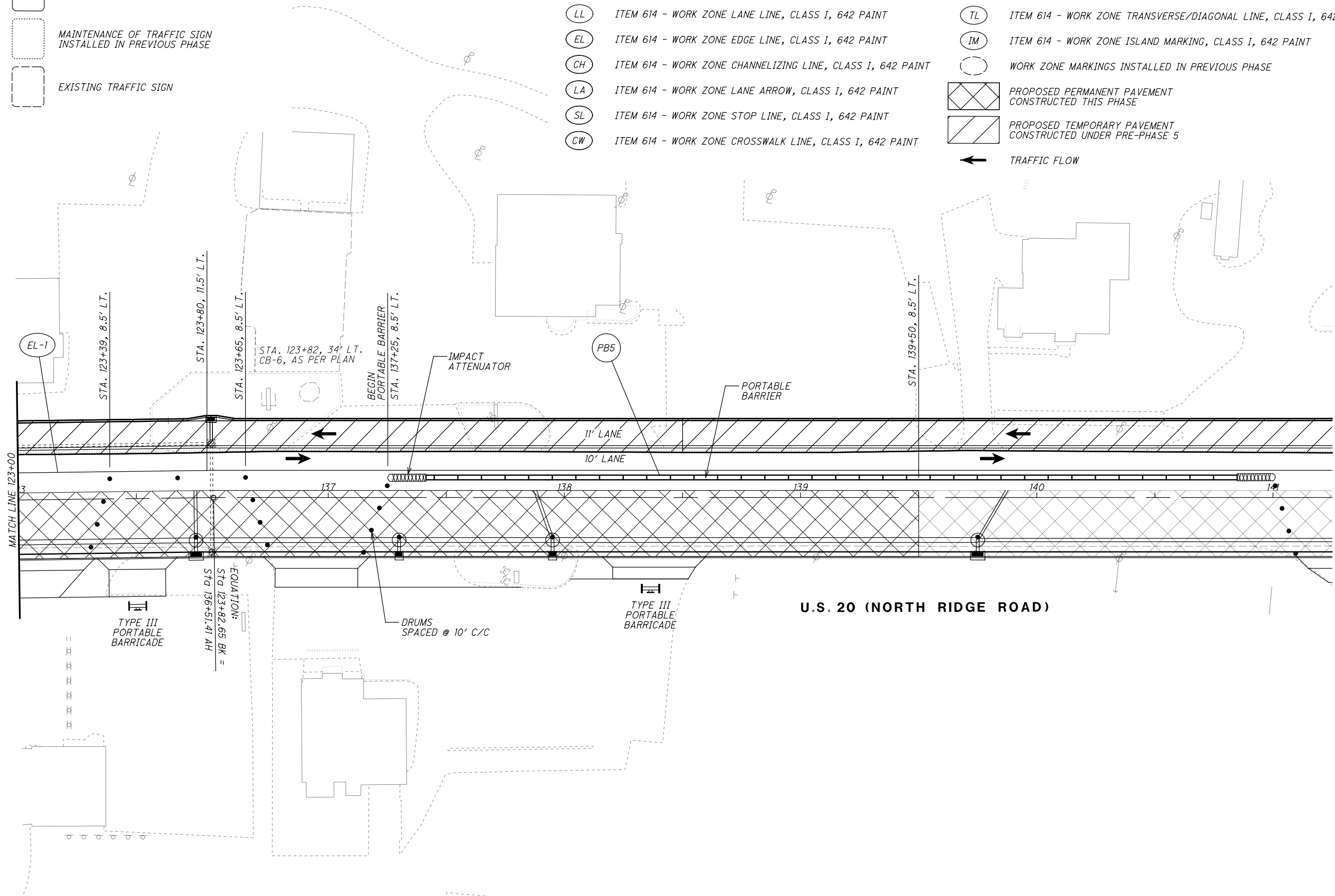
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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



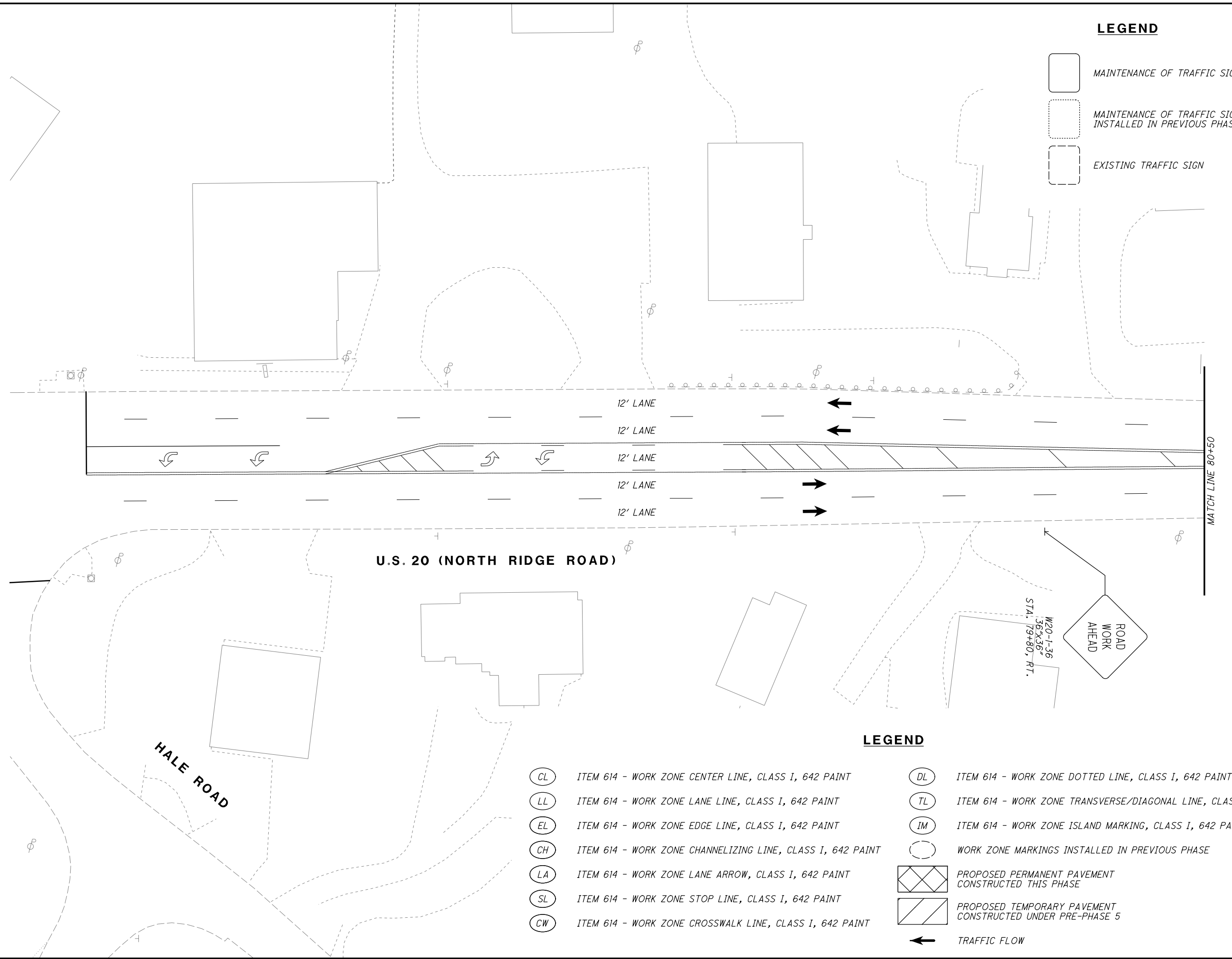
CALCULATED JDC  
CHECKED EUT

**LAK-US-20-19.59 PART 1**  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**SUBPHASE 3 - S.R. 2 EASTBOUND RAMP**




317  
1253

















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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |





HORIZONTAL SCALE IN FEET

CALCULATED	JDC
CHECKED	EJT

**LAK-US-20-19.59**

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**

**STA. 75+25 TO STA. 80+50**

**PART 1**

318

1253

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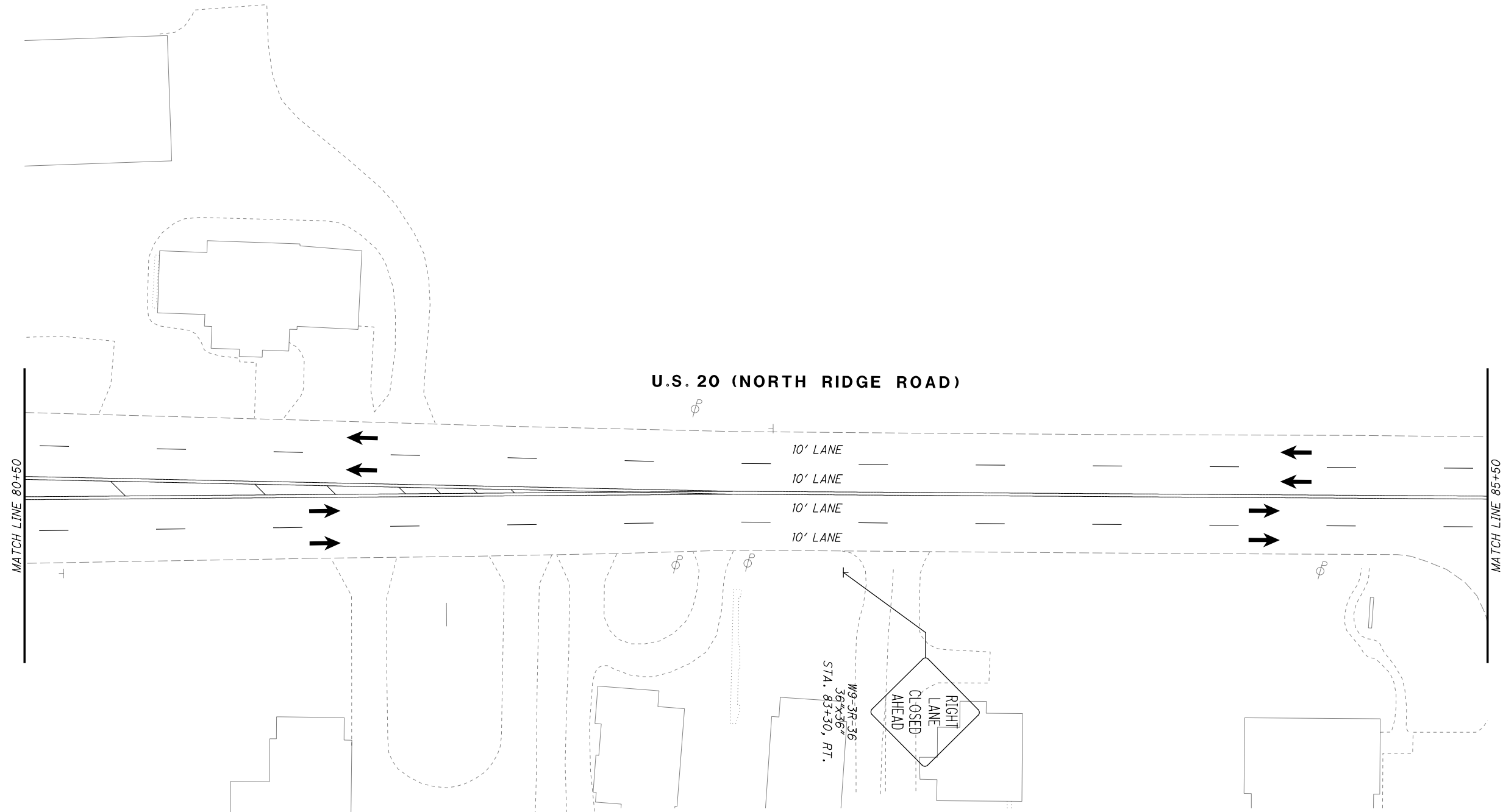
CALCULATED  
JDC  
CHECKED  
EJT

0 20 40  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 80+50 TO STA. 85+50**

**LAK-US-20-19.59**  
**PART 1**

319  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

MATCH LINE 85+50

BASE DRIVE

R2-1-24  
24"x30"  
STA. 86+80, RT.

SPEED  
LIMIT  
40

U.S. 20 (NORTH RIDGE ROAD)




10' LANE  
10' LANE  
10' LANE  
10' LANE

MATCH LINE 90+50










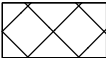

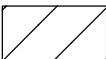


W4-2R-36  
36"x36"  
STA. 90+30, RT.



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
STA. 85+50 TO STA. 90+50**

**LAK-US-20-19.59  
PART 1**

320  
1253

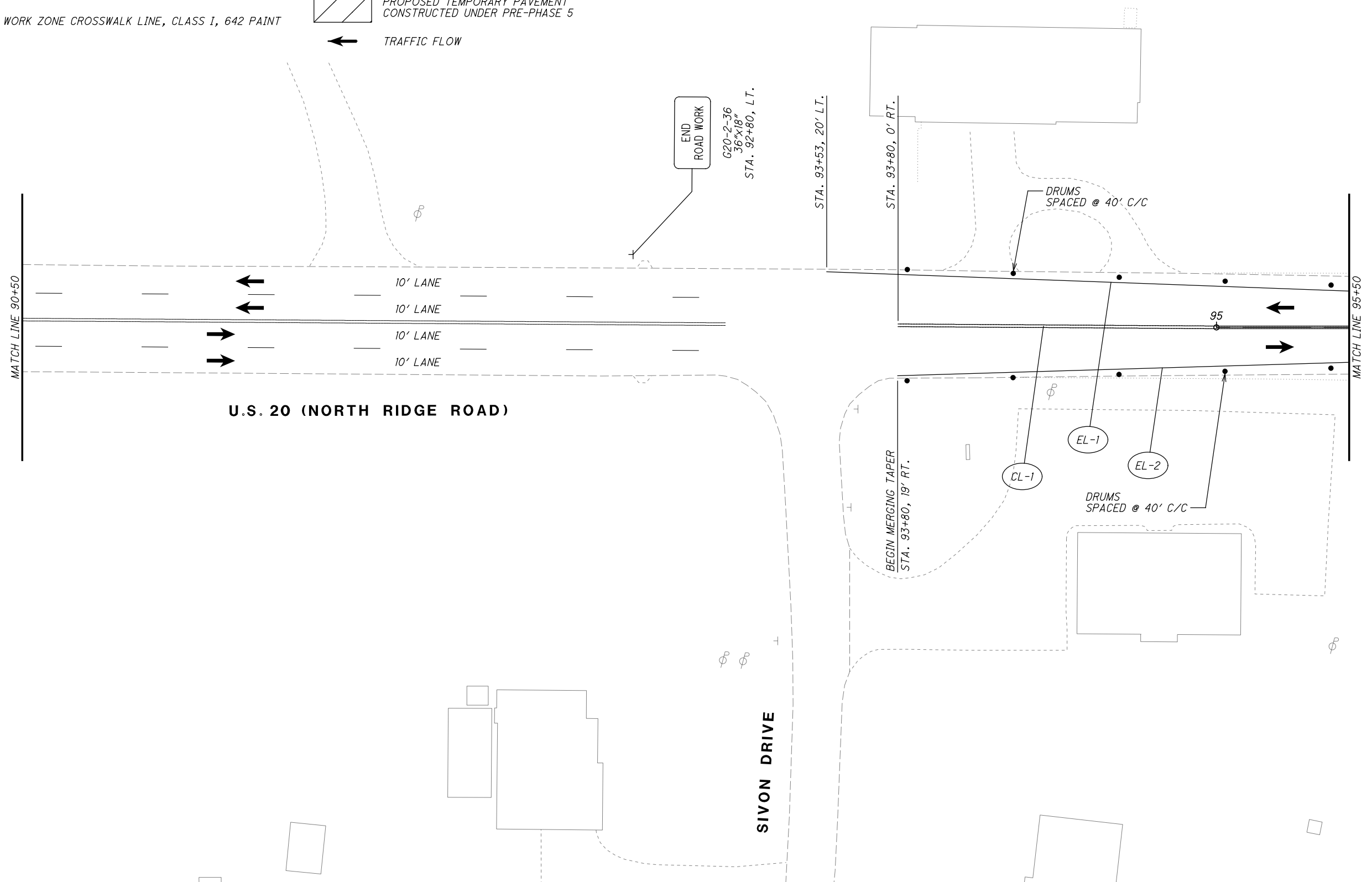
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- LEGEND**
- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
  - (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
  - (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
  - (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
  - (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
  - (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
  - (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
  - (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
  - (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
  - (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
  - ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
  - [X] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
  - [ / ] PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
  - ← TRAFFIC FLOW

- LEGEND**
- [ ] MAINTENANCE OF TRAFFIC SIGN
  - [ ] MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  - [ ] EXISTING TRAFFIC SIGN

CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET



**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 90+50 TO STA. 95+50**

**LAK-US-20-19.59**  
**PART 1**

321  
1253

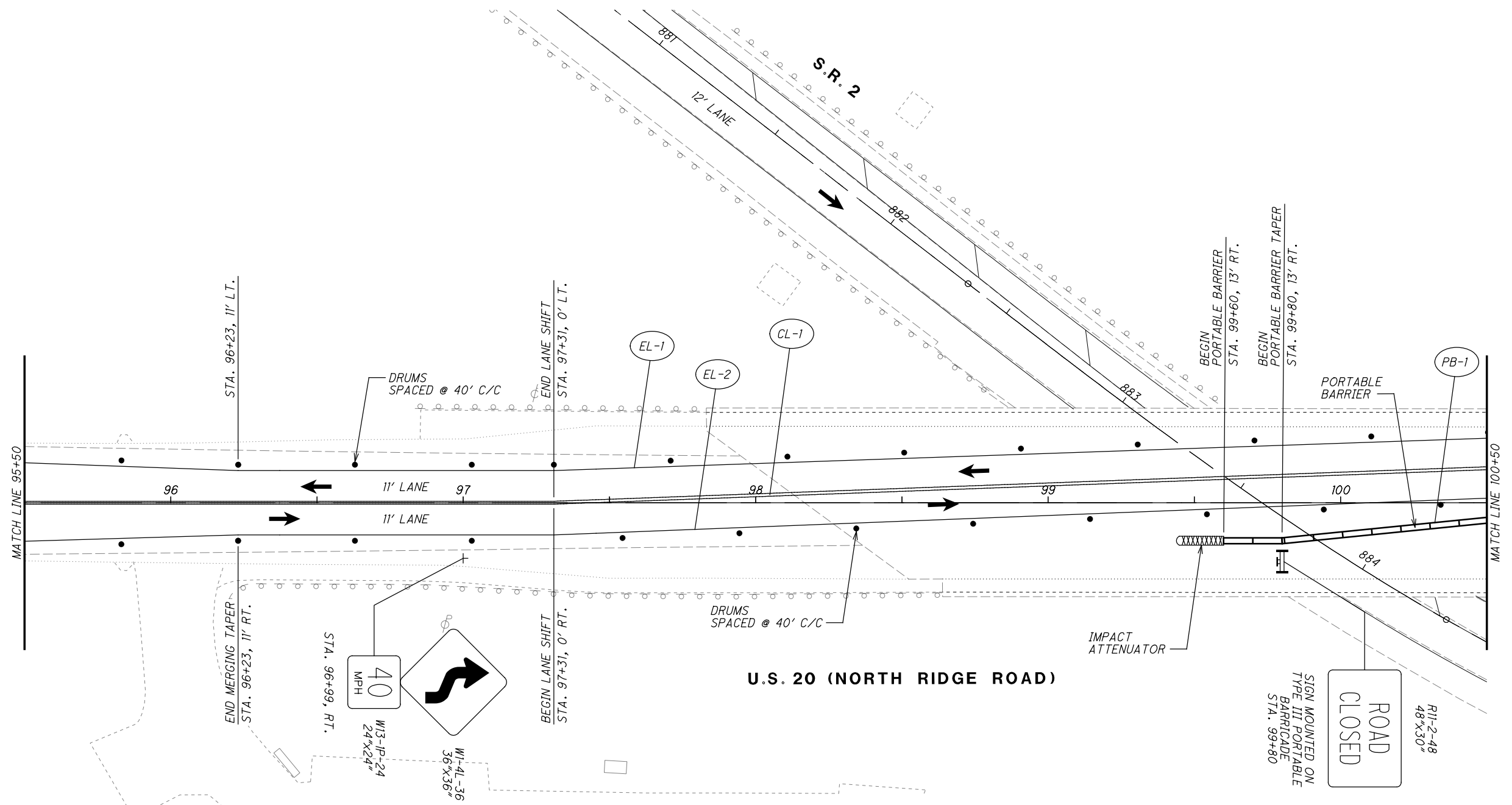
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 CALCULATED JDC  
 CHECKED EJT








**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 95+50 TO STA. 100+50**

**LAK-US-20-19.59**  
**PART 1**






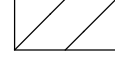



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN




-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**














-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

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**LEGEND**



-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5

← TRAFFIC FLOW

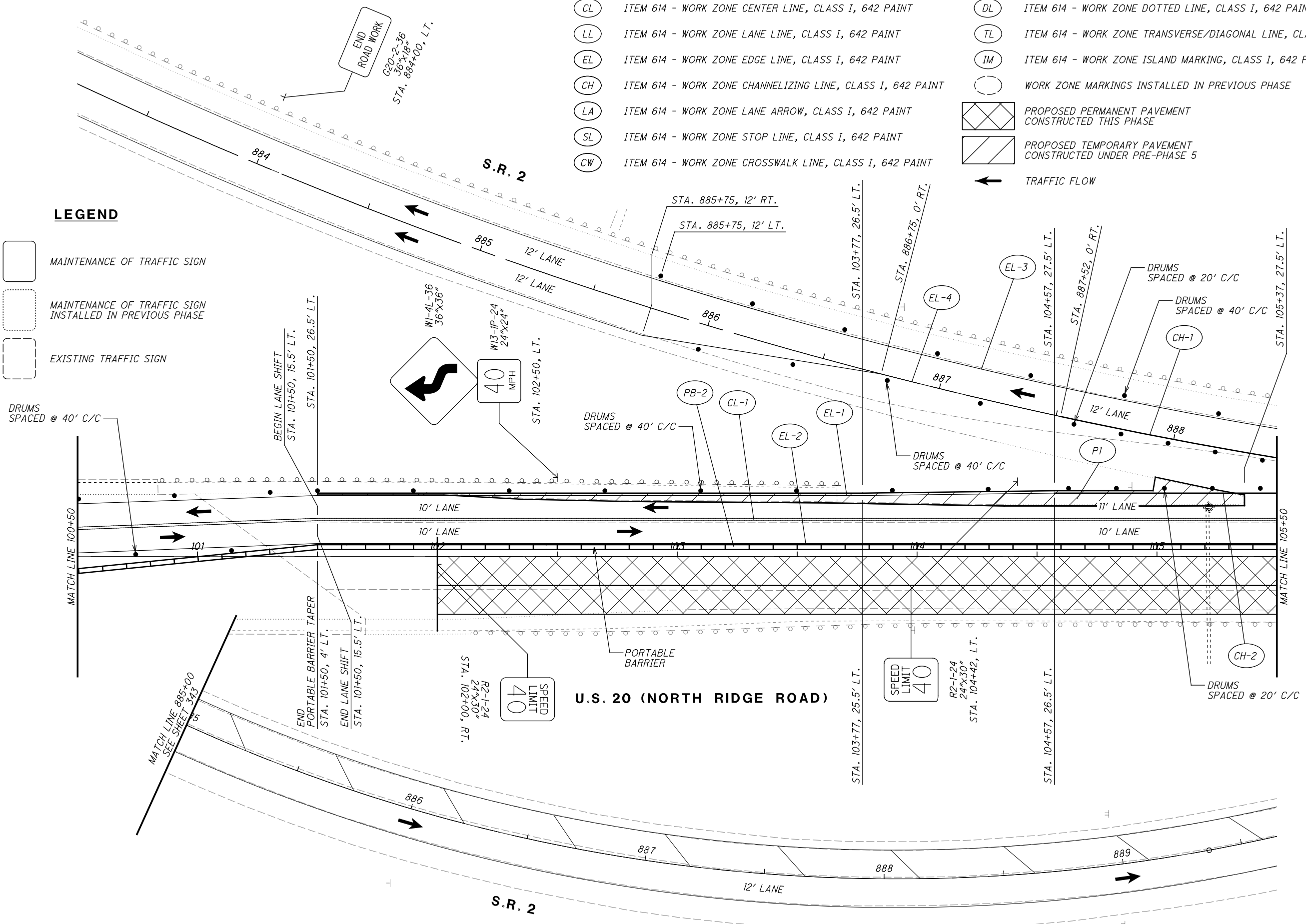
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CHECKED EJT

40  
HORIZONTAL  
SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
STA. 100+50 TO STA. 105+50**

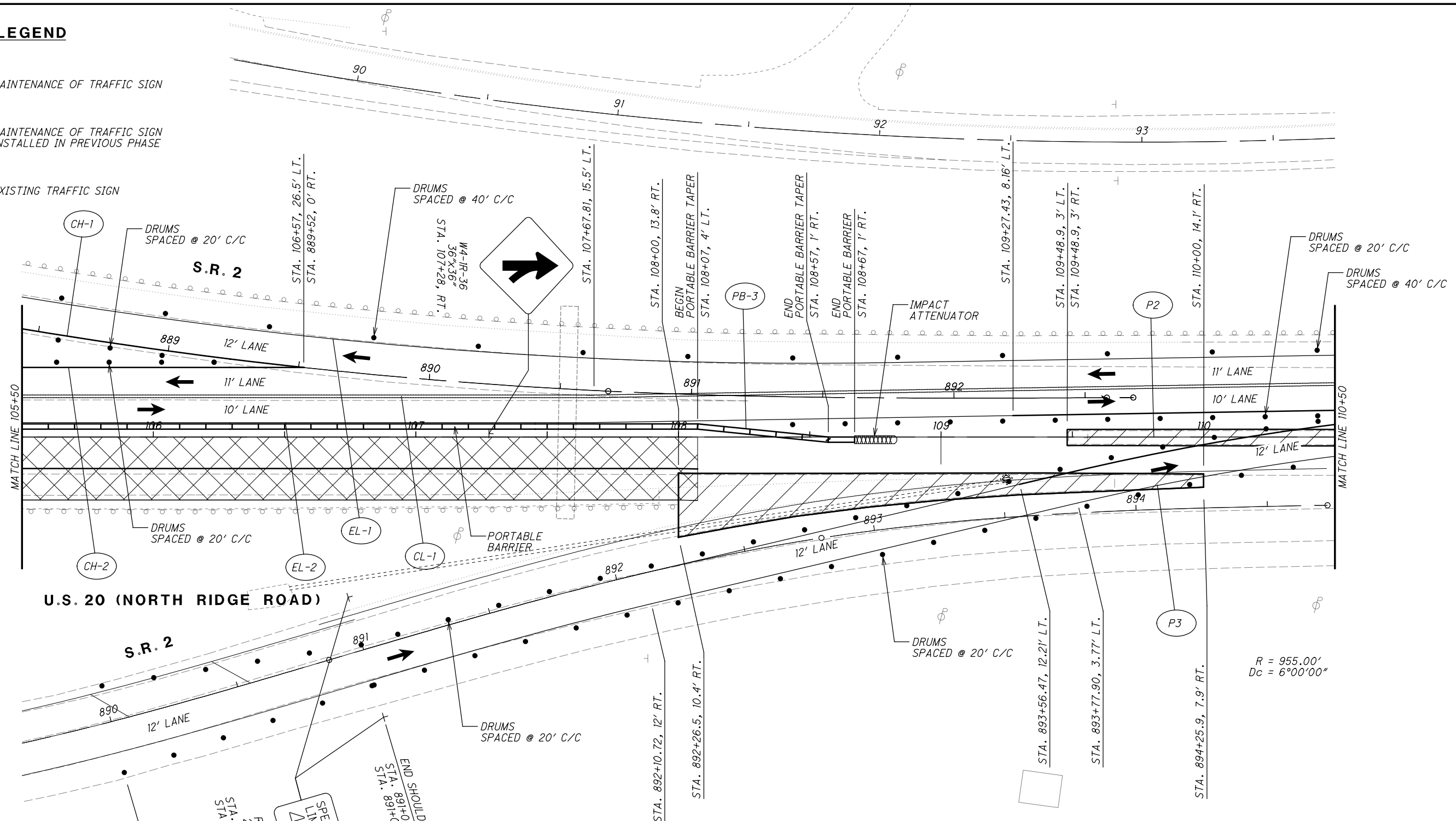
**LAK-US-20-19.59  
PART 1**



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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



**U.S. 20 (NORTH RIDGE ROAD)**

BEGIN SHOULDER TAPER  
STA. 890+00, 20' RT.  
STA. 891+00, 14' RT.










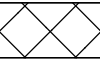

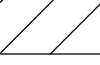


R2-1-24  
24x30'  
STA. 891+00, LT.  
STA. 891+00, RT.

END SHOULDER TAPER  
STA. 891+00, 14' RT.  
STA. 891+00, 2' LT.

**NOTE:**

S.R. 2 E.B. RAMP IS TO REMAIN OPEN.  
FOR PART-WIDTH CONSTRUCTION OF S.R. 2 E.B. RAMP  
PHASE 5 SUBPHASE 1 SEE SHEETS 294-301.  
PHASE 5 SUBPHASE 2 SEE SHEETS 302-309.  
PHASE 5 SUBPHASE 3 SEE SHEETS 310-317.

**LEGEND**

- |  |  |  |   |
|--|--|--|---|
|  CL | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  DL | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  LL | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  TL | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  EL | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  IM | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  CH | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |     | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  LA | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |     | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  SL | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |     | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
|  CW | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |     | TRAFFIC FLOW  |



**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 105+50 TO STA. 110+50**

**LAK-US-20-19.59**  
**PART 1**

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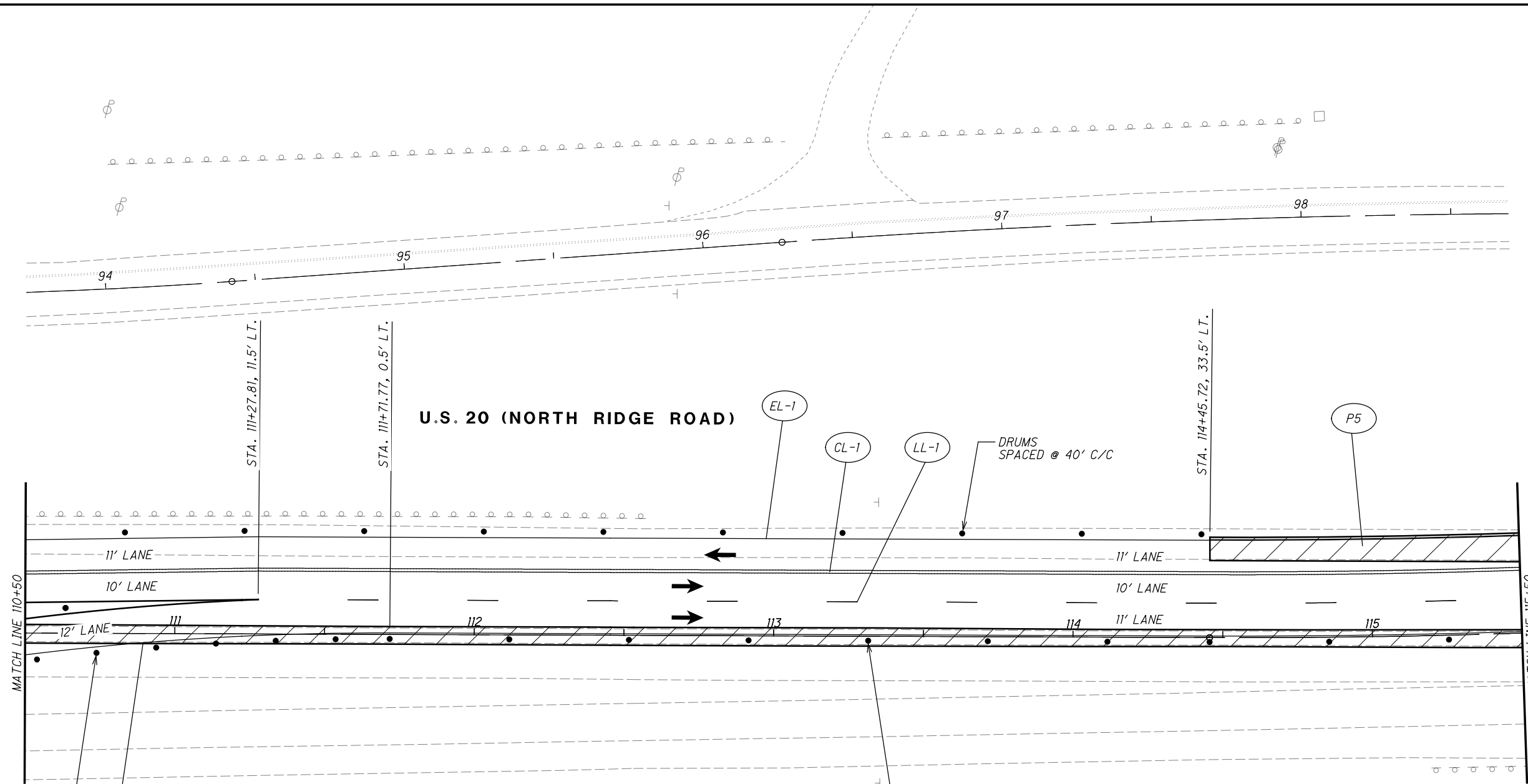
CALCULATED JDC CHECKED EJT

0 20 40  
10  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 110+50 TO STA. 115+50**

**LAK-US-20-19.59**  
**PART 1**

325  
1253



DRUMS SPACED @ 20' C/C

**S.R. 2**

$R = 955.00'$   
 $Dc = 6^{\circ}00'00''$

**NOTE:**  
S.R. 2 E.B. RAMP IS TO REMAIN OPEN.  
FOR PART-WIDTH CONSTRUCTION OF S.R. 2 E.B. RAMP  
PHASE 5 SUBPHASE 1 SEE SHEETS 294-301.  
PHASE 5 SUBPHASE 2 SEE SHEETS 302-309.  
PHASE 5 SUBPHASE 3 SEE SHEETS 310-317.

- LEGEND**
- MAINTENANCE OF TRAFFIC SIGN
  - MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  - EXISTING TRAFFIC SIGN

- LEGEND**
- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
  - (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
  - (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
  - (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
  - (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
  - (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
  - (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




- LEGEND**
- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
  - (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
  - (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
  - ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
  - PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
  - PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
  - TRAFFIC FLOW



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NOTE:  
 S.R. 2 E.B. RAMP IS TO REMAIN OPEN.  
 FOR PART-WIDTH CONSTRUCTION OF S.R. 2 E.B. RAMP  
 PHASE 5 SUBPHASE 1 SEE SHEETS 294-301.  
 PHASE 5 SUBPHASE 2 SEE SHEETS 302-309.  
 PHASE 5 SUBPHASE 3 SEE SHEETS 310-317.

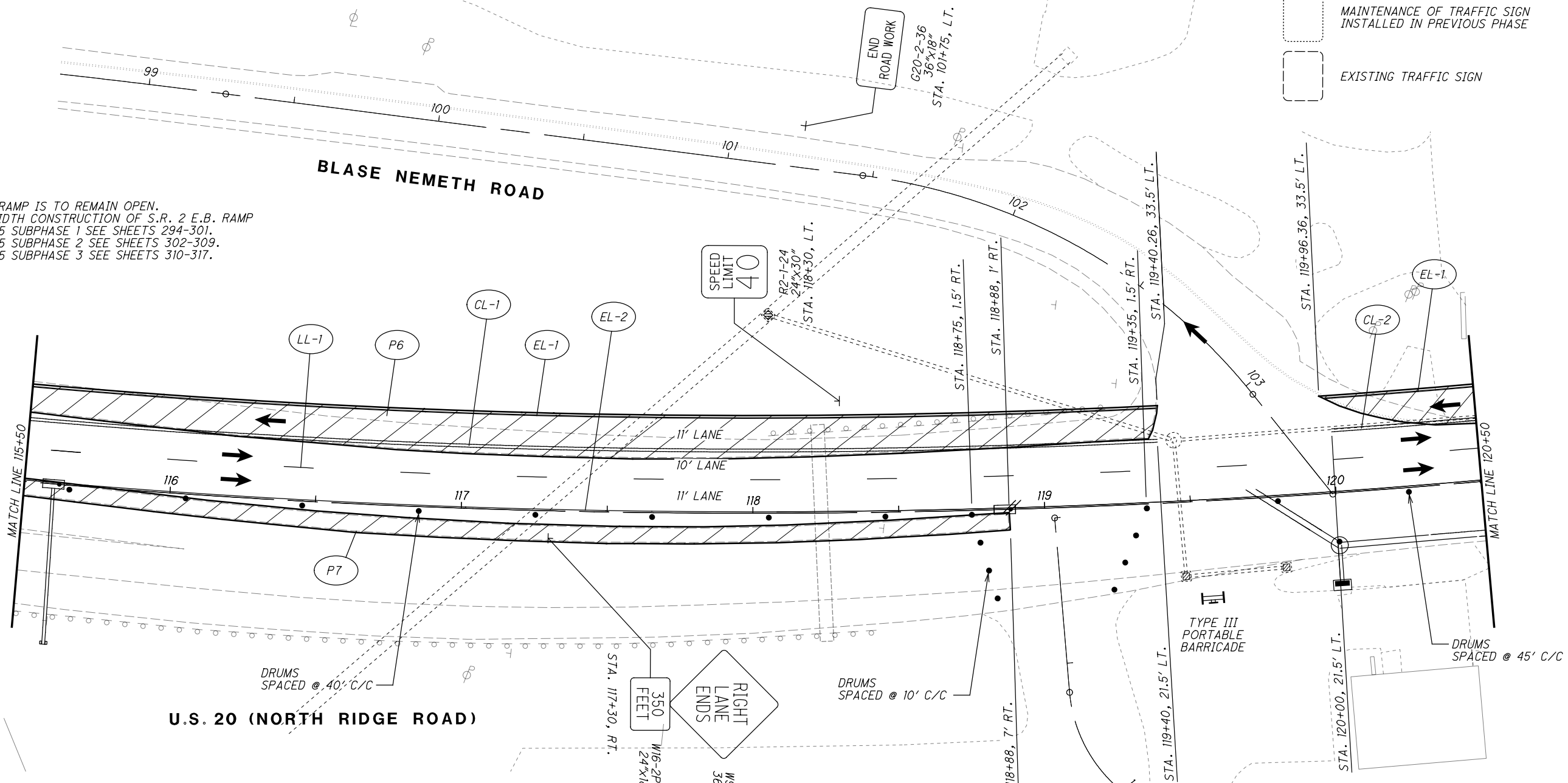
**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN












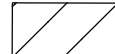


CALCULATED JDC CHECKED EJT



HORIZONTAL SCALE IN FEET



**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
 STA. 115+50 TO STA. 120+50**

**LAK-US-20-19.59  
 PART 1**

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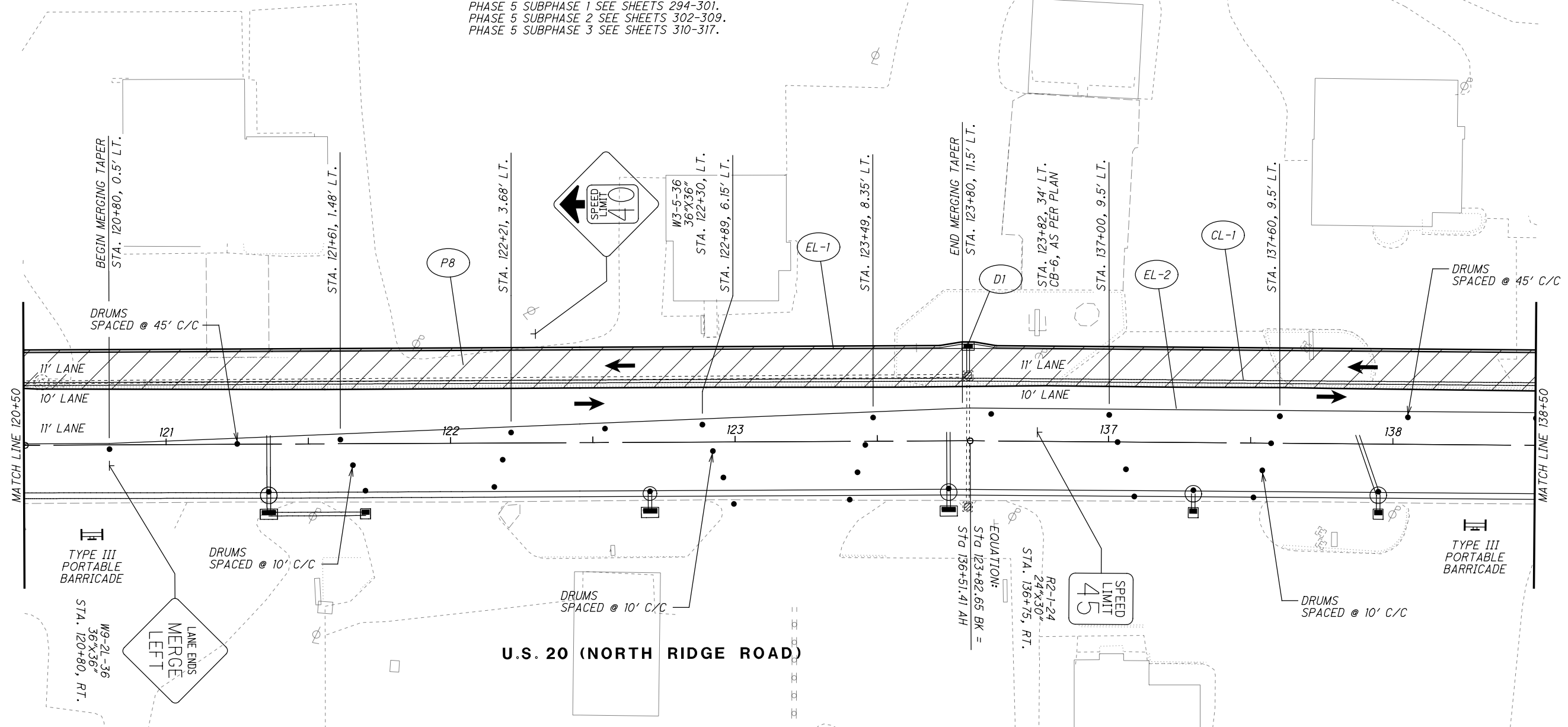
CALCULATED JDC CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 120+50 TO STA. 138+50**

**LAK-US-20-19.59**  
**PART 1**

**NOTE:**  
S.R. 2 E.B. RAMP IS TO REMAIN OPEN.  
FOR PART-WIDTH CONSTRUCTION OF S.R. 2 E.B. RAMP  
PHASE 5 SUBPHASE 1 SEE SHEETS 294-301.  
PHASE 5 SUBPHASE 2 SEE SHEETS 302-309.  
PHASE 5 SUBPHASE 3 SEE SHEETS 310-317.



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

**NOTE:**

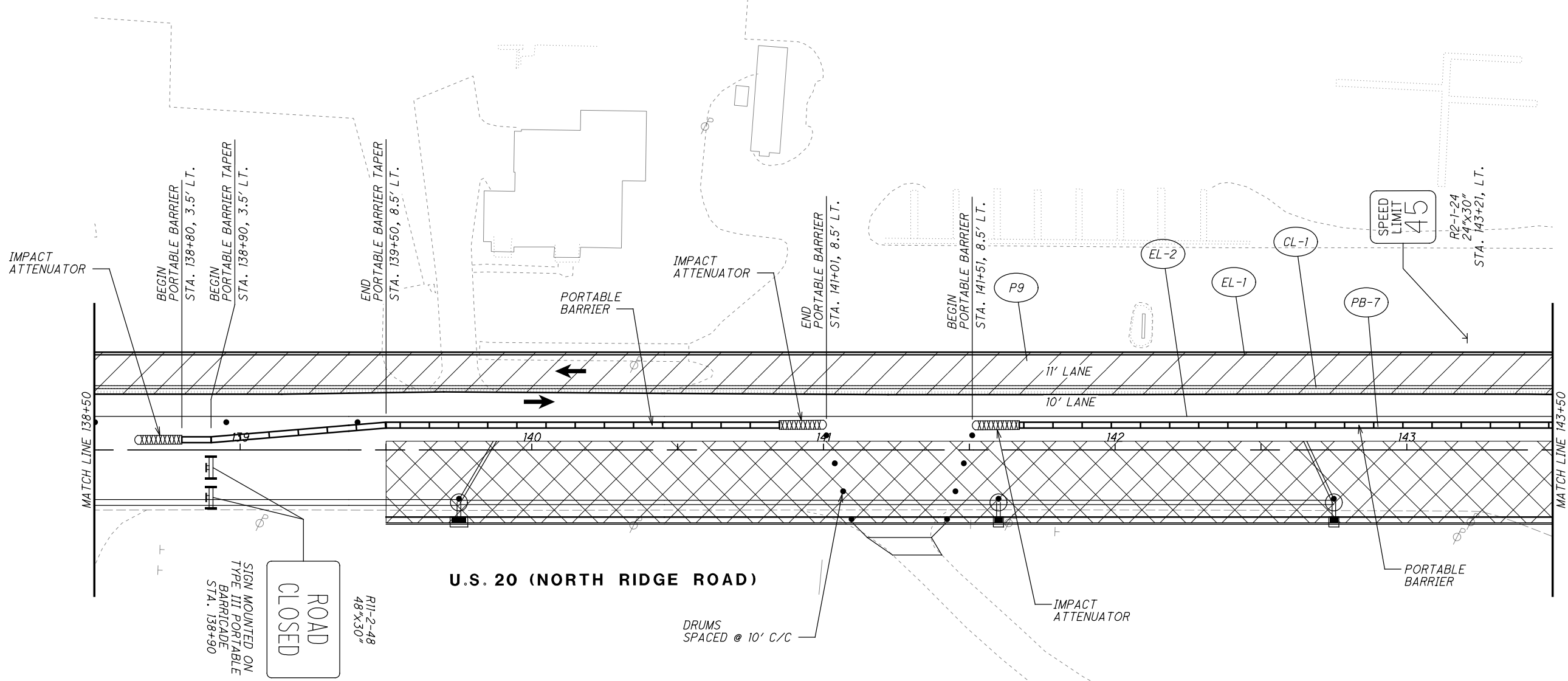
S.R. 2 E.B. RAMP IS TO REMAIN OPEN.  
 FOR PART-WIDTH CONSTRUCTION OF S.R. 2 E.B. RAMP  
 PHASE 5 SUBPHASE 1 SEE SHEETS 294-301.  
 PHASE 5 SUBPHASE 2 SEE SHEETS 302-309.  
 PHASE 5 SUBPHASE 3 SEE SHEETS 310-317.

CALCULATED JDC  
 CHECKED EJT  
 0 10 20 40  
 HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
 STA. 138+50 TO STA. 143+50**

**LAK-US-20-19.59  
 PART 1**

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**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

**U.S. 20 (NORTH RIDGE ROAD)**

DRUMS  
 SPACED @ 10' C/C

**ROAD  
 CLOSED**




SIGN MOUNTED ON  
 TYPE III PORTABLE  
 BARRICADE  
 STA. 138+90

R11-2-48  
 48"x30"

**SPEED  
 LIMIT  
 45**

R2-1-24  
 24"x30"  
 STA. 143+21, L.T.















**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**NOTES**

1. PLACE FACE OF GR. 2' FROM BACK OF CURB

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

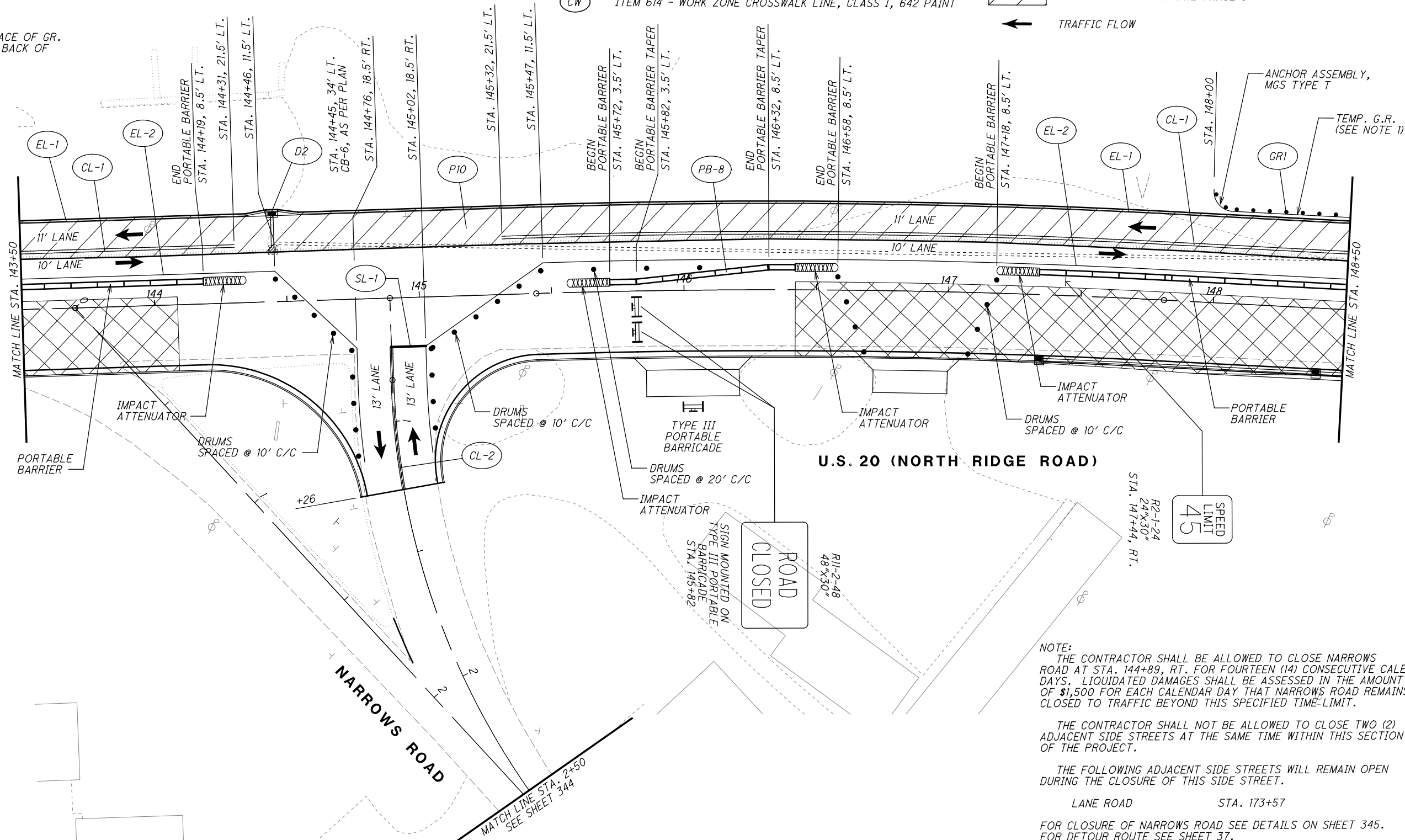


CALCULATED JDC CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
STA. 143+50 TO STA. 148+50**

**LAK-US-20-19.59  
PART 1**

329  
1253



**NOTE:**  
THE CONTRACTOR SHALL BE ALLOWED TO CLOSE NARROWS ROAD AT STA. 144+89, RT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT NARROWS ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME-LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.

LANE ROAD STA. 173+57

FOR CLOSURE OF NARROWS ROAD SEE DETAILS ON SHEET 345.  
FOR DETOUR ROUTE SEE SHEET 37.

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NOTES

1. PLACE FACE OF GR. 2' FROM BACK OF CURB
2. CONSTRUCT CULVERT EXTENSION PRIOR TO CONSTRUCTION OF TEMPORARY PAVEMENT.

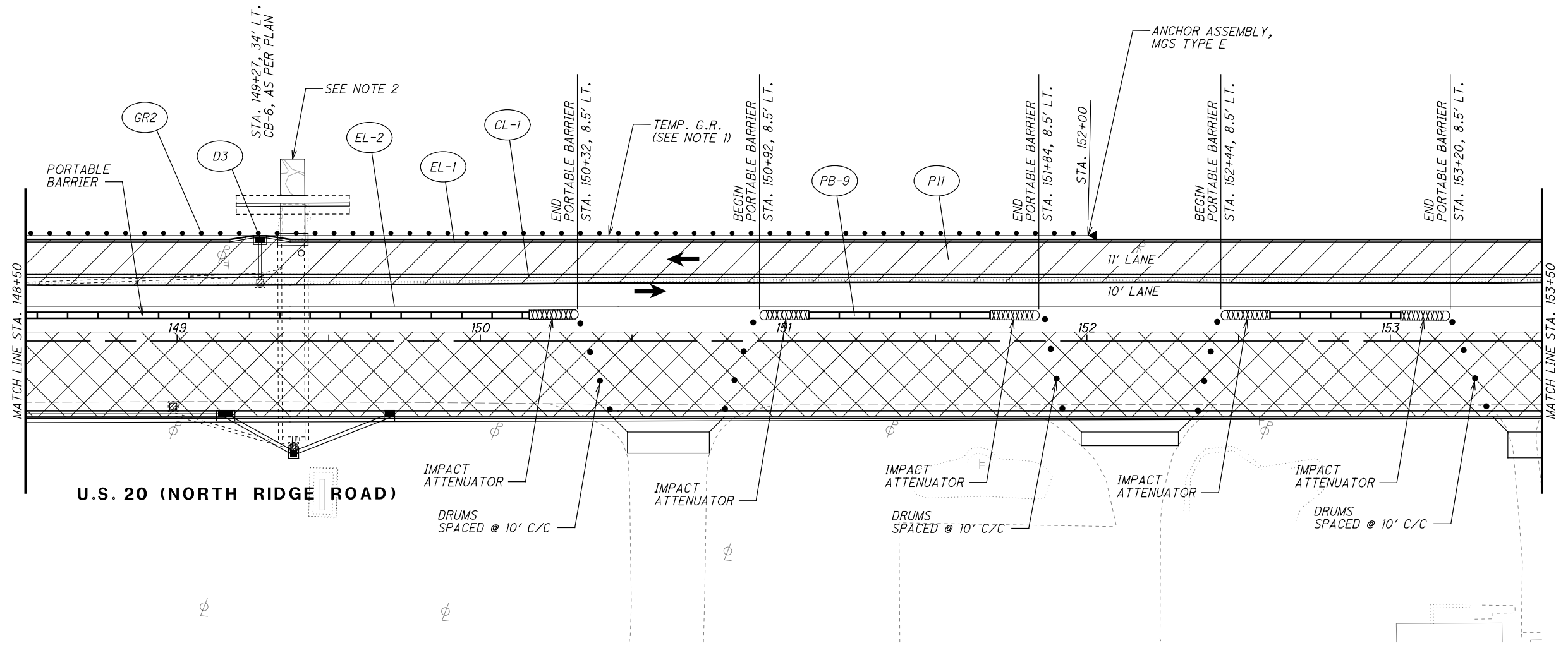


CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 148+50 TO STA. 153+50**

**LAK-US-20-19.59**  
**PART 1**

330  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

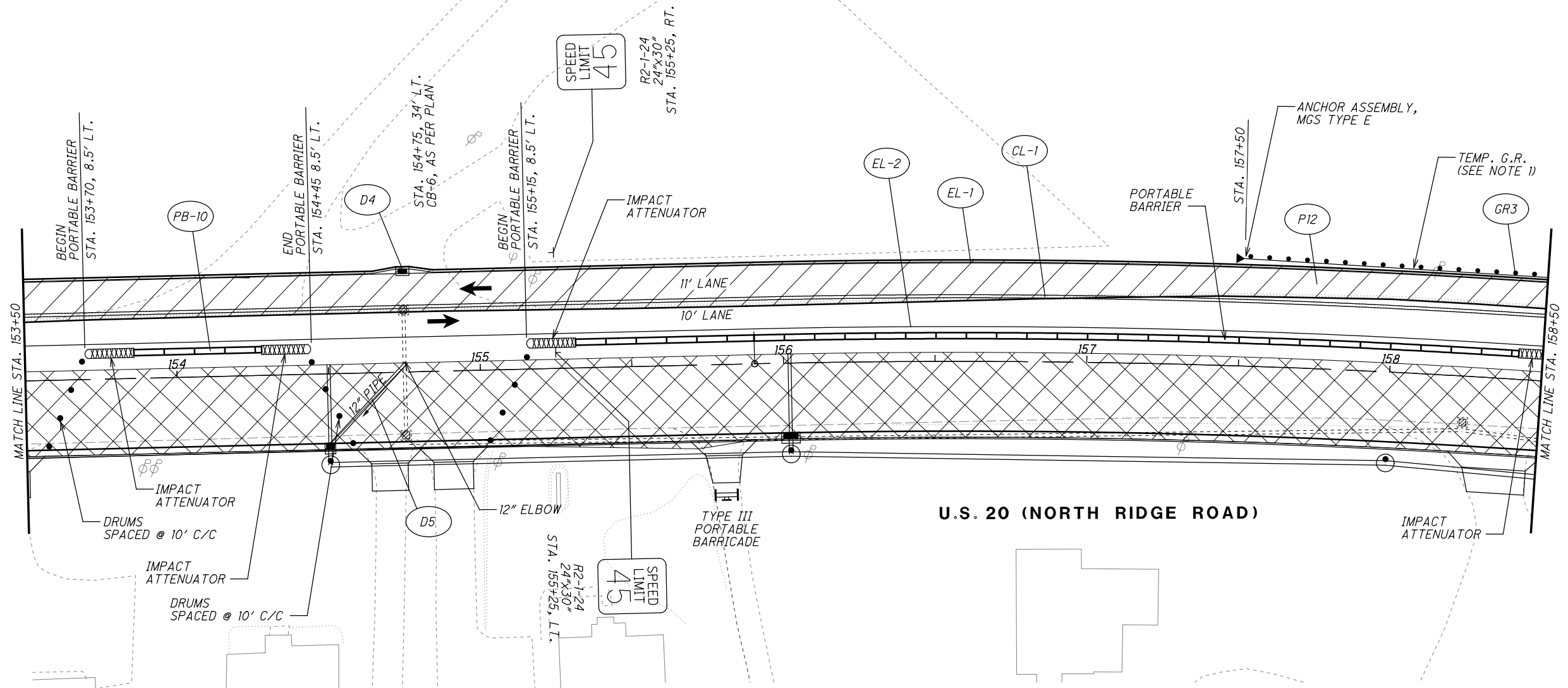
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

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**NOTES**

1. PLACE FACE OF GUARDRAIL 2' FROM BACK OF CURB



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW



**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 153+50 TO STA. 158+50**

**LAK-US-20-19.59**  
**PART 1**

331  
1253

CALCULATED  
JDC  
CHECKED  
EJT

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0 10 20 40  
HORIZONTAL  
SCALE IN FEET

CALCULATED JDC  
CHECKED EJT

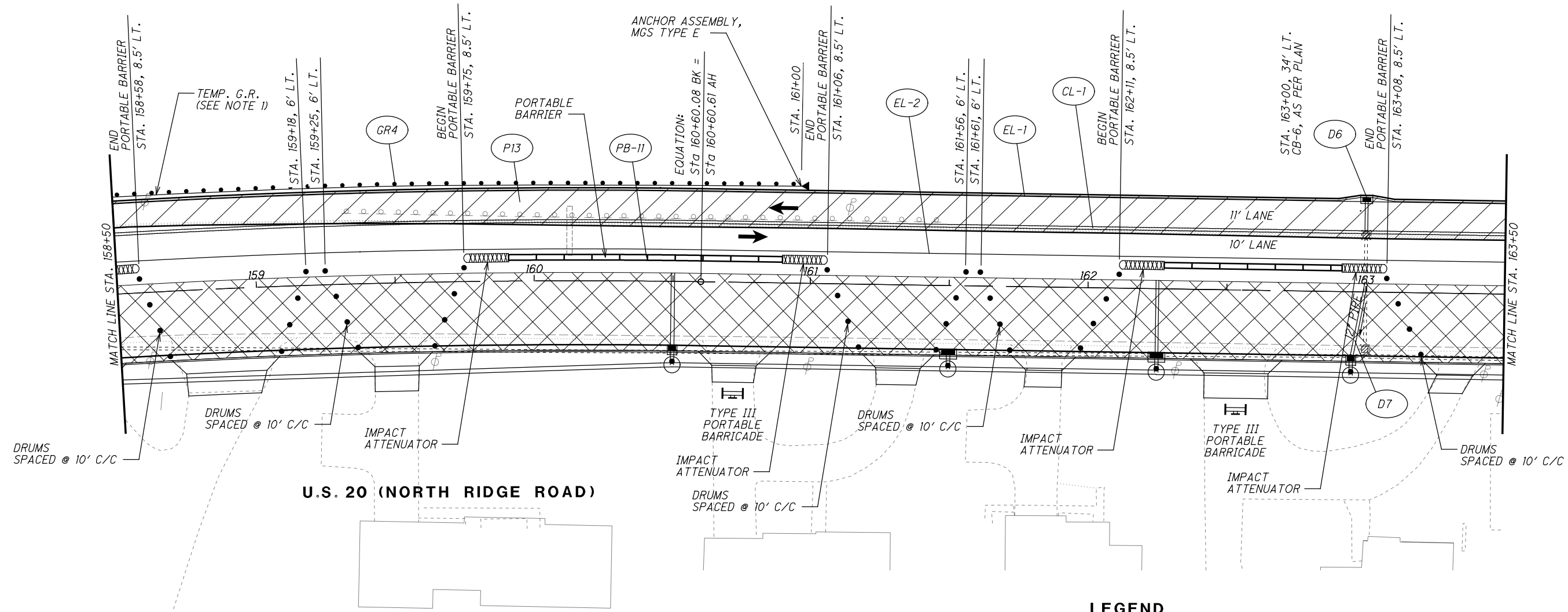
**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 158+50 TO STA. 163+50**

**LAK-US-20-19.59**  
**PART 1**

332  
1253

**NOTES**

1. PLACE FACE OF GUARDRAIL 2' FROM BACK OF CURB



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW



CALCULATED JDC CHECKED EJT

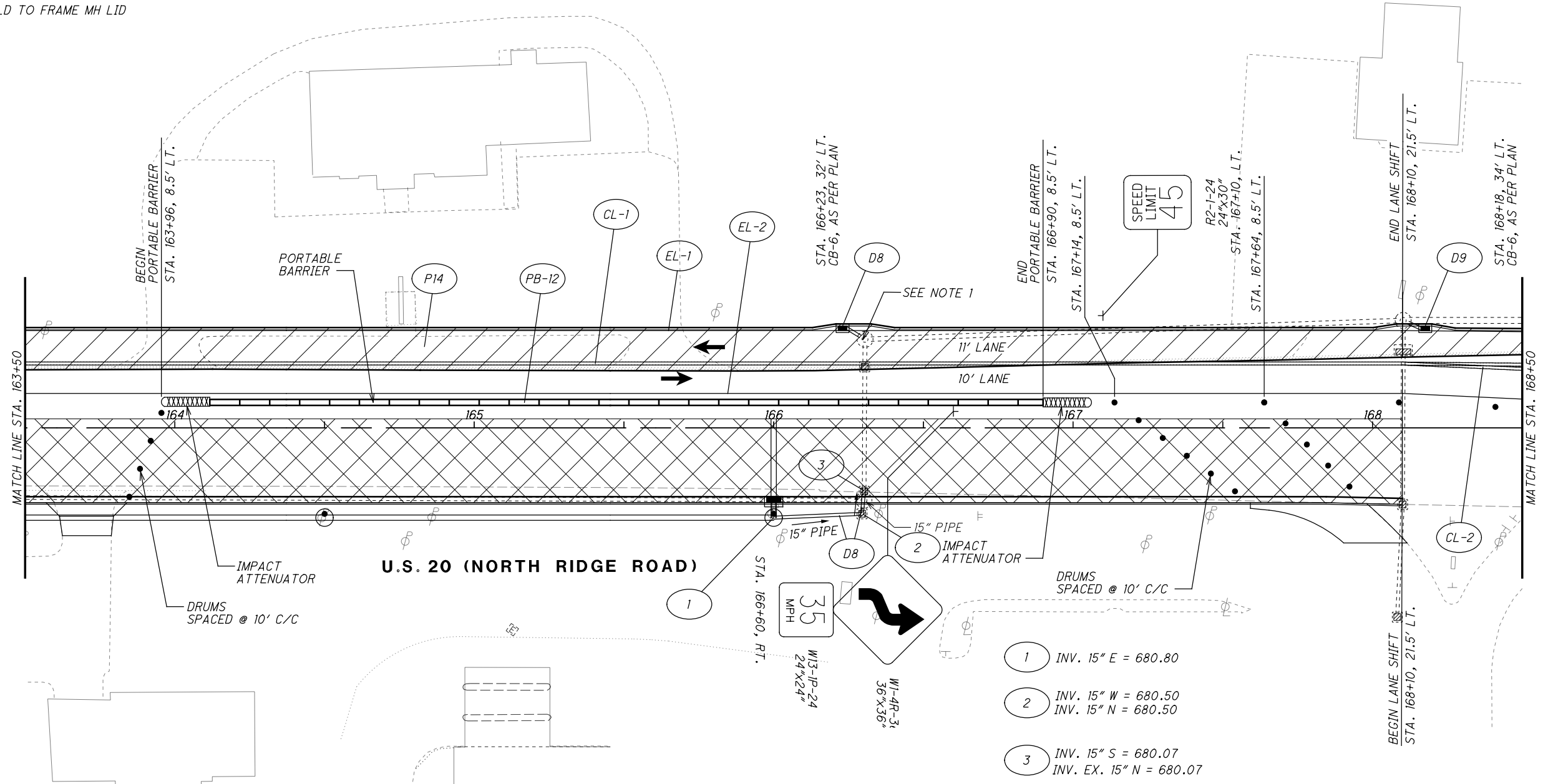
**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 163+50 TO STA. 168+50**

**LAK-US-20-19.59**  
**PART 1**

333  
1253

**NOTES**

1. WELD TO FRAME MH LID



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW


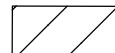
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- CL ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- LL ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- EL ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- CH ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- LA ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- SL ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- CW ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

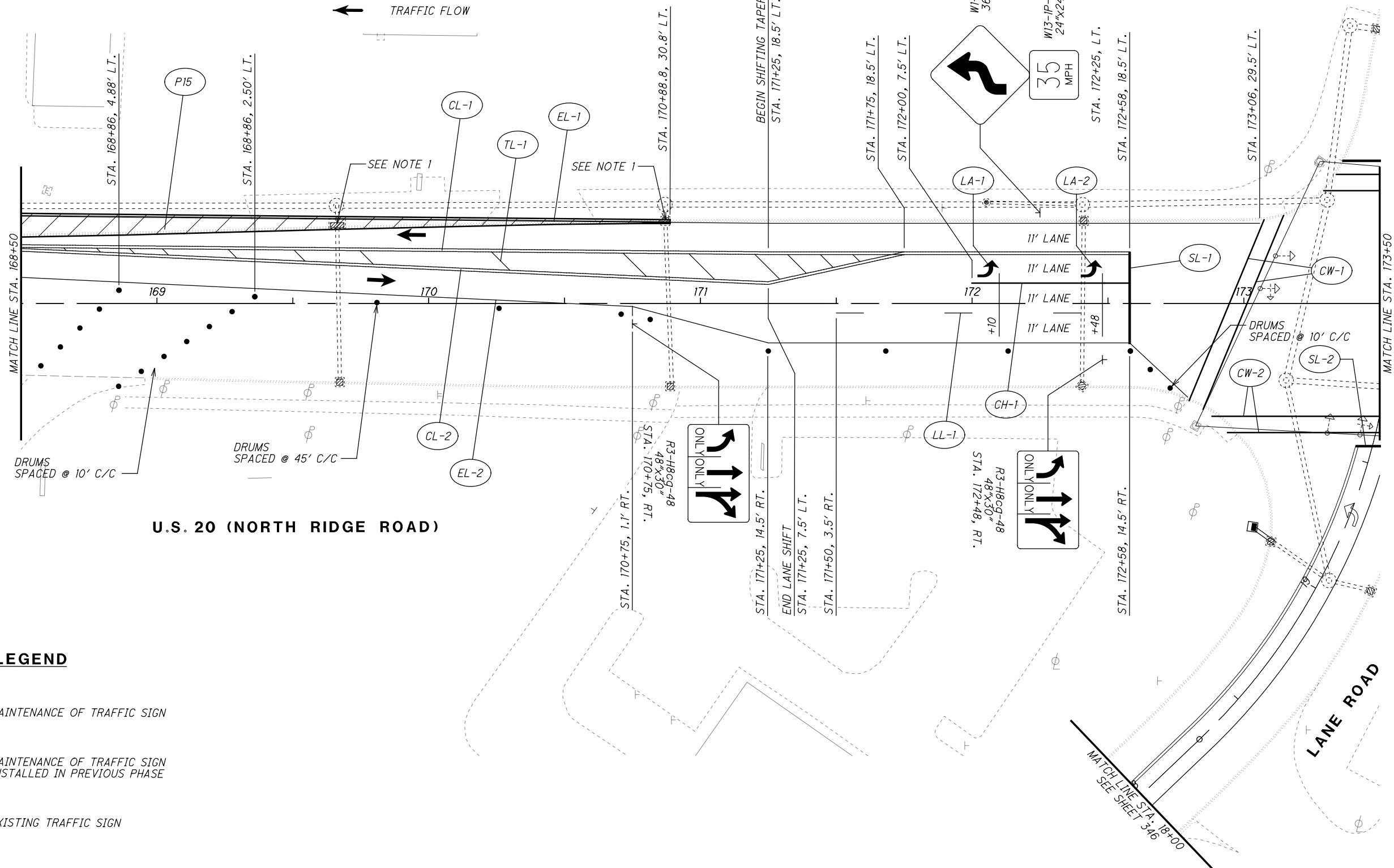
- DL ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- TL ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- IM ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE

-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5




← TRAFFIC FLOW

NOTES

- 1. WELD GRATE TO FRAME



LEGEND

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN



CALCULATED JDC CHECKED EJT

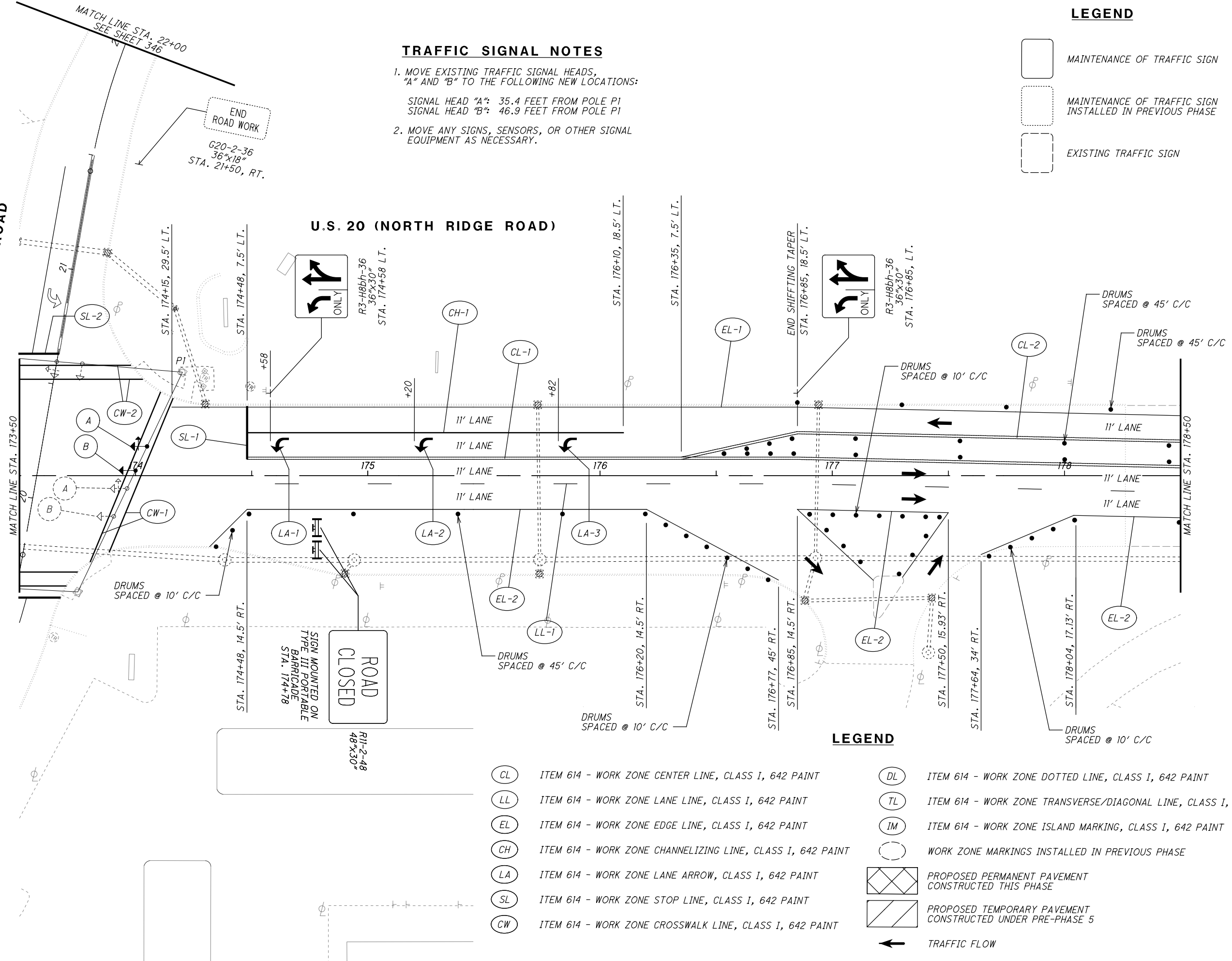
**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 168+50 TO STA. 173+50**

**LAK-US-20-19.59**  
**PART 1**

334  
1253

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LANE ROAD



**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" TO THE FOLLOWING NEW LOCATIONS:  
 SIGNAL HEAD "A": 35.4 FEET FROM POLE P1  
 SIGNAL HEAD "B": 46.9 FEET FROM POLE P1
2. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- |    |  |    |   |
|----|--|----|---|
| CL | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | DL | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| LL | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | TL | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| EL | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | IM | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| CH | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |    | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| LA | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |    | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| SL | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |    | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
| CW | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |    | TRAFFIC FLOW  |

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 173+50 TO STA. 178+50**




**LAK-US-20-19.59**  
**PART 1**

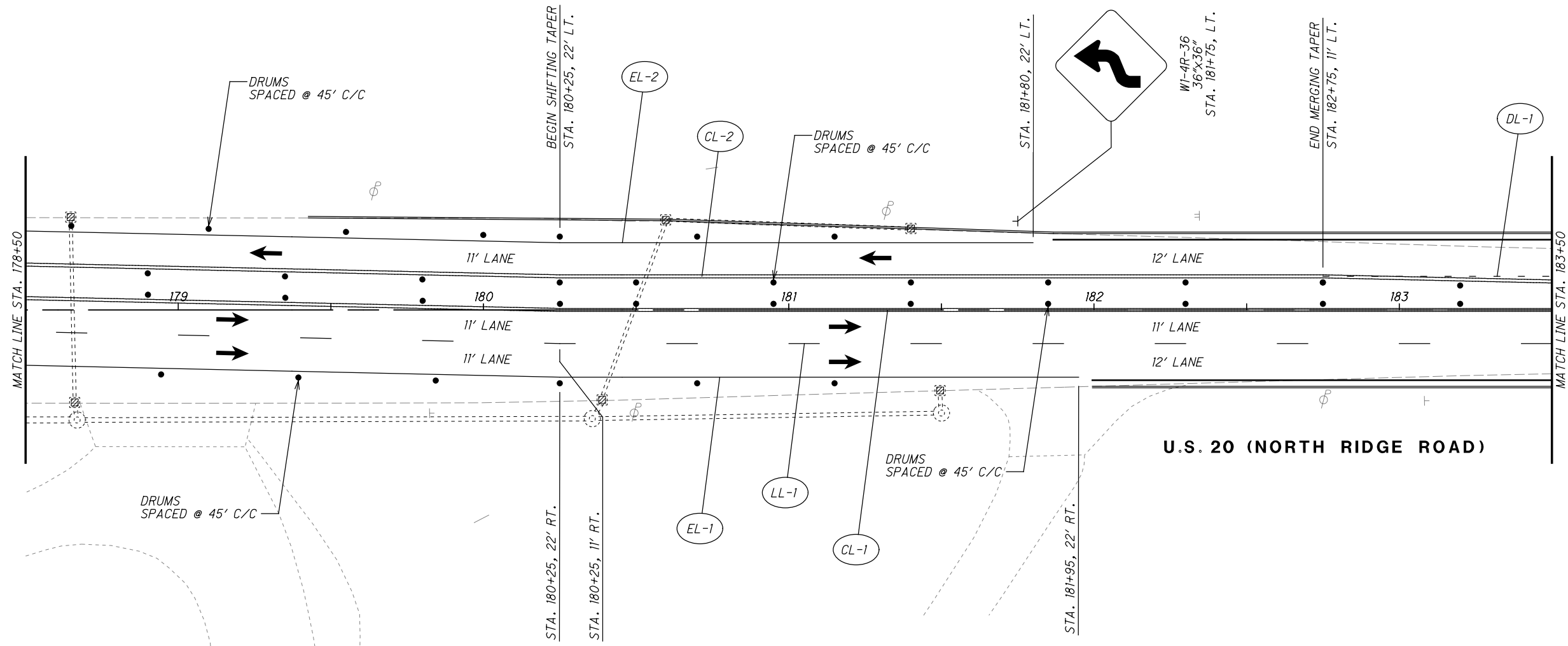
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 CHECKED EJT  
  
  
 HORIZONTAL SCALE IN FEET

335  
1253















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**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN



**LEGEND**

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT		ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT		WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT		PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT		PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT		TRAFFIC FLOW

CALCULATED  
JDC  
CHECKED  
EJT




0 20 40  
HORIZONTAL  
SCALE IN FEET








**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 178+50 TO STA. 183+50**






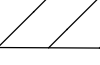

**LAK-US-20-19.59**  
**PART 1**

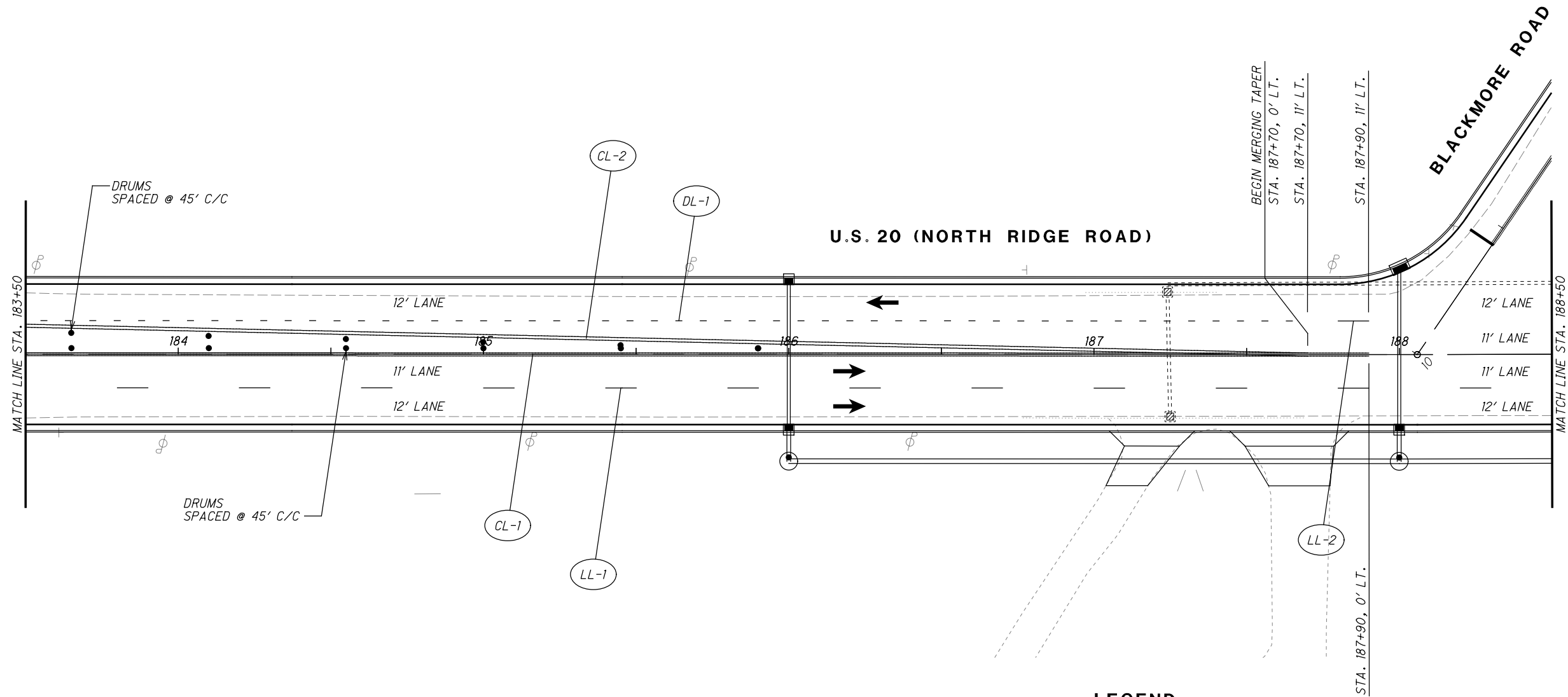
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**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
	TRAFFIC FLOW






0 20 40  
HORIZONTAL  
SCALE IN FEET








CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 183+50 TO STA. 188+50**






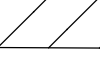

**LAK-US-20-19.59**  
**PART 1**

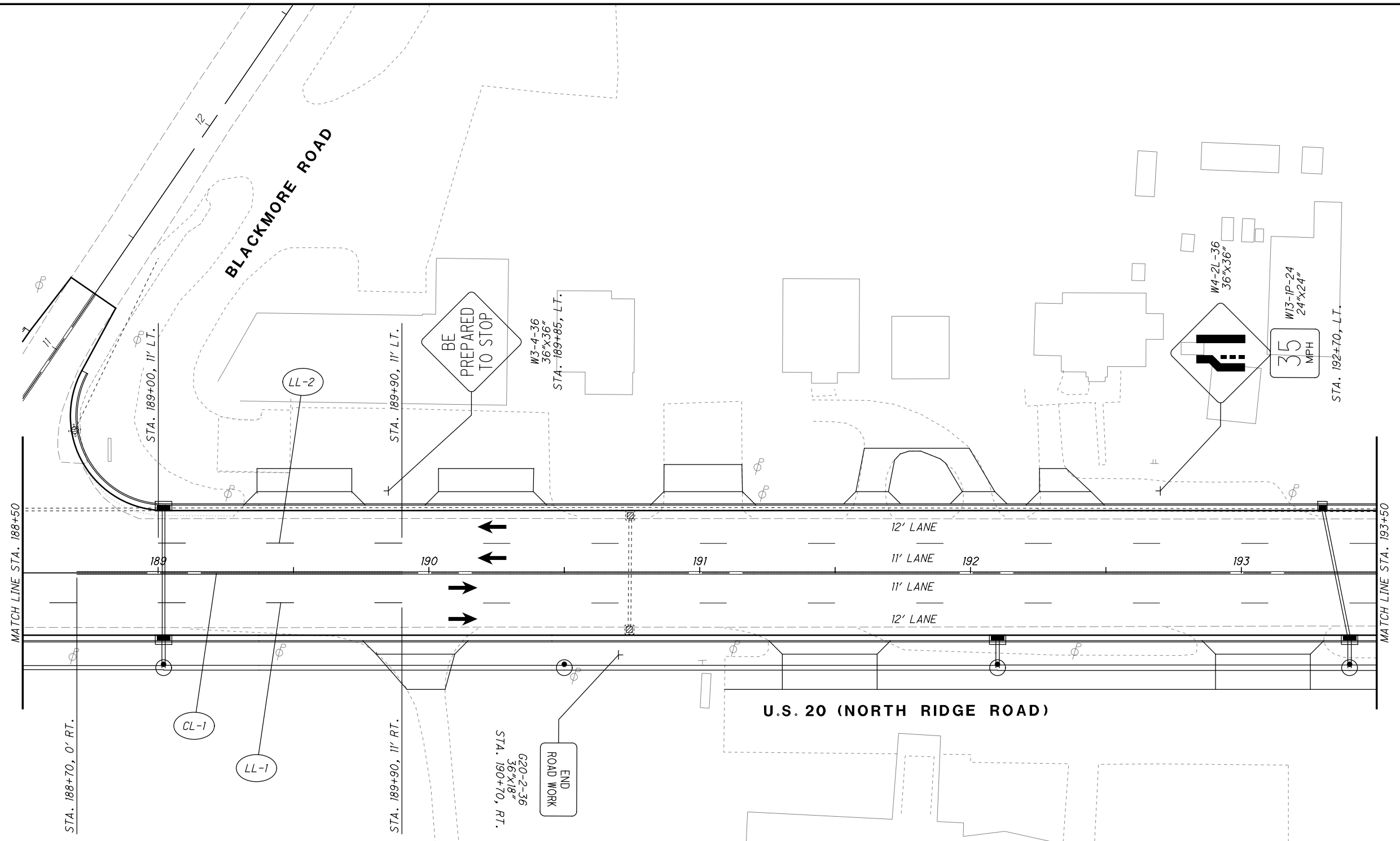
**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
	TRAFFIC FLOW



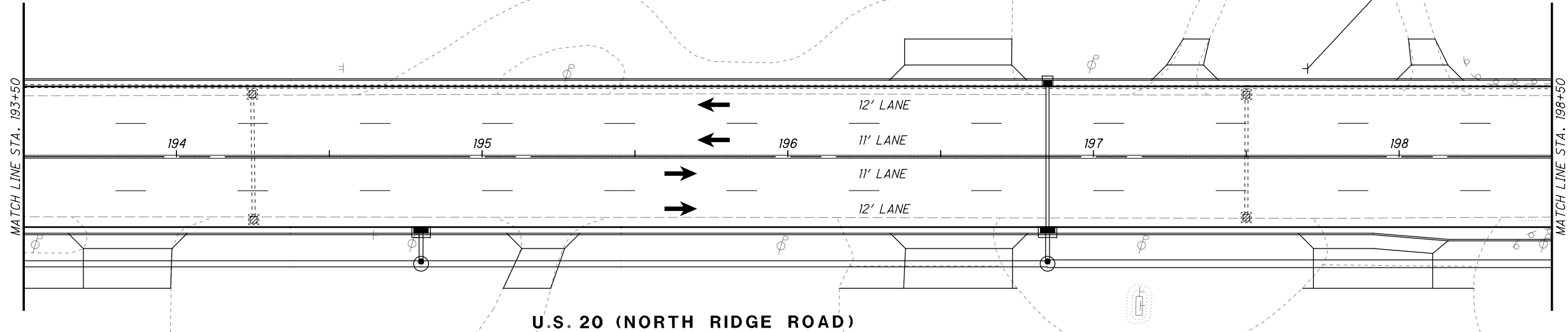
0 20 40  
10  
HORIZONTAL  
SCALE IN FEET

CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 188+50 TO STA. 193+50**




**LAK-US-20-19.59**  
**PART 1**

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







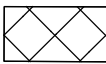
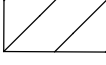



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

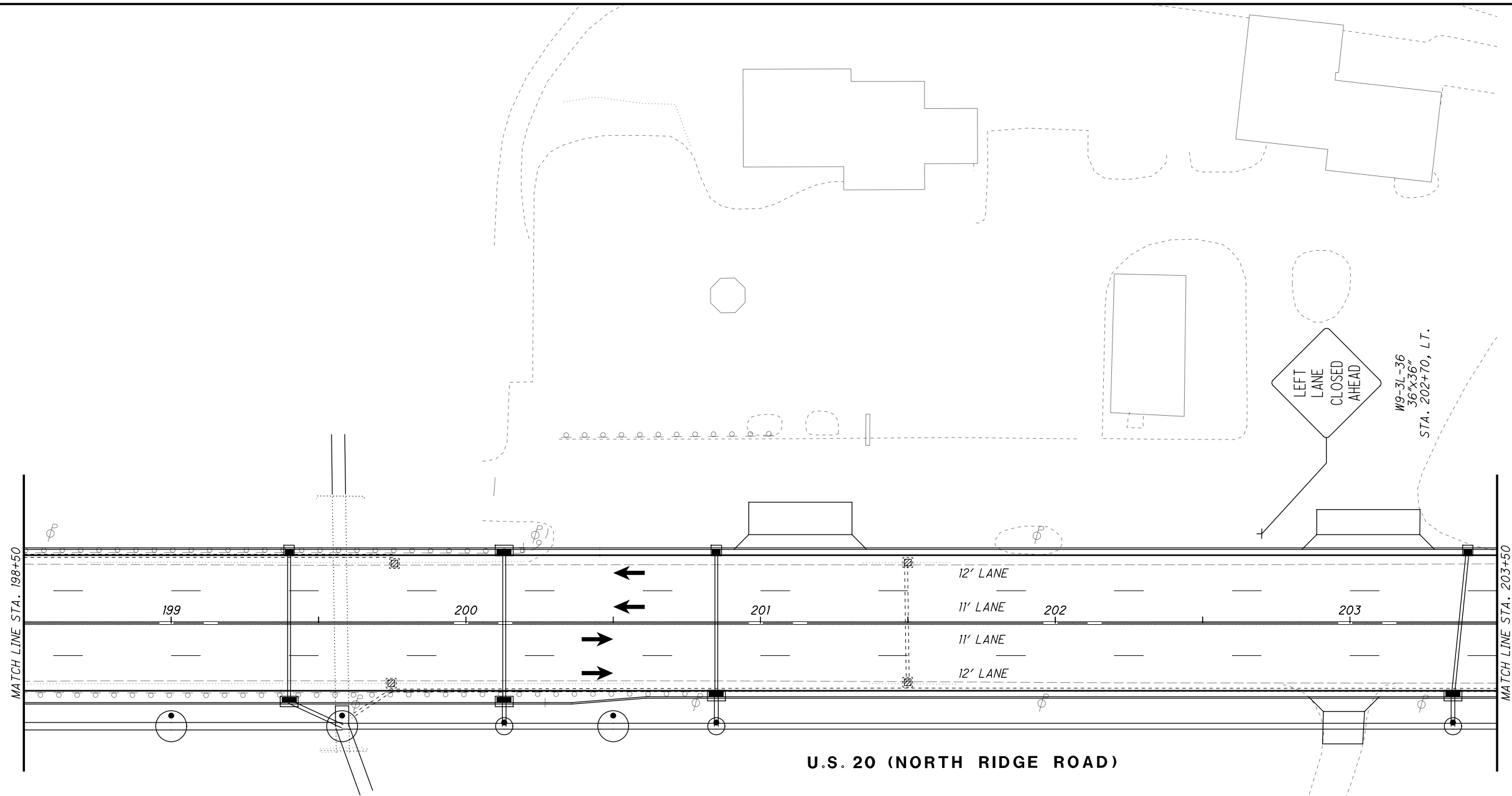
CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET




**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
STA. 193+50 TO STA. 198+50**

**LAK-US-20-19.59  
PART 1**












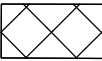
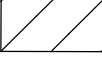

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



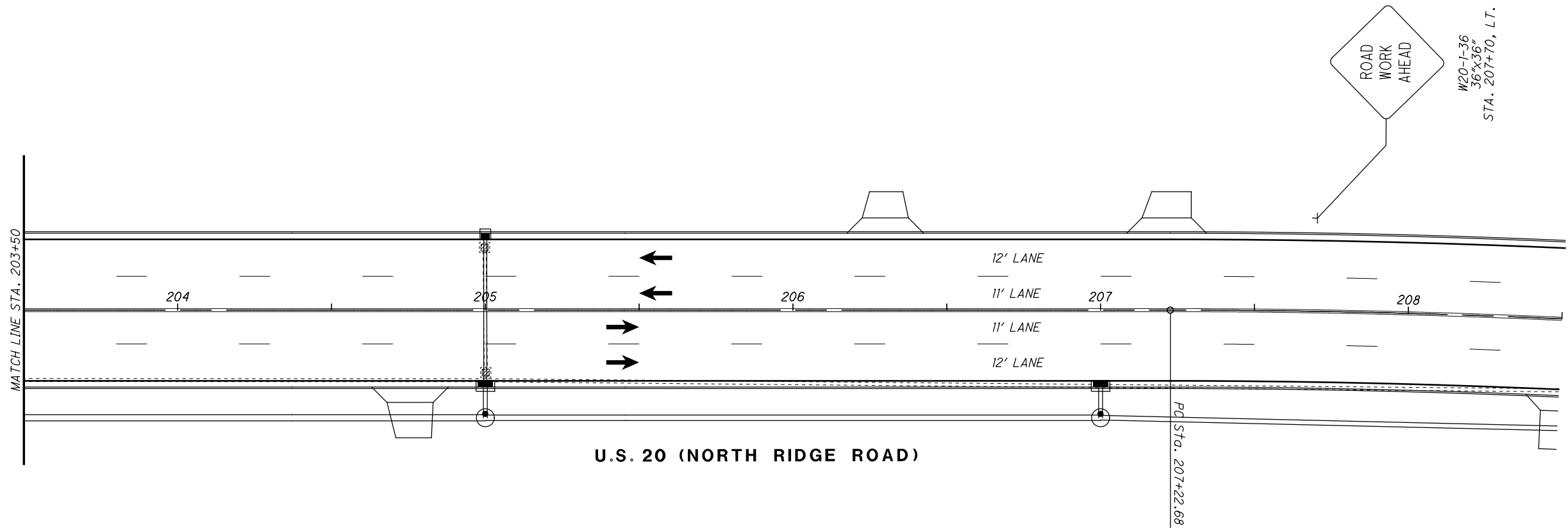
CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
STA. 198+50 TO STA. 203+50**

**LAK-US-20-19.59  
PART 1**




340  
1253

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


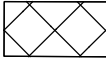

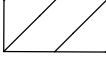




**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |



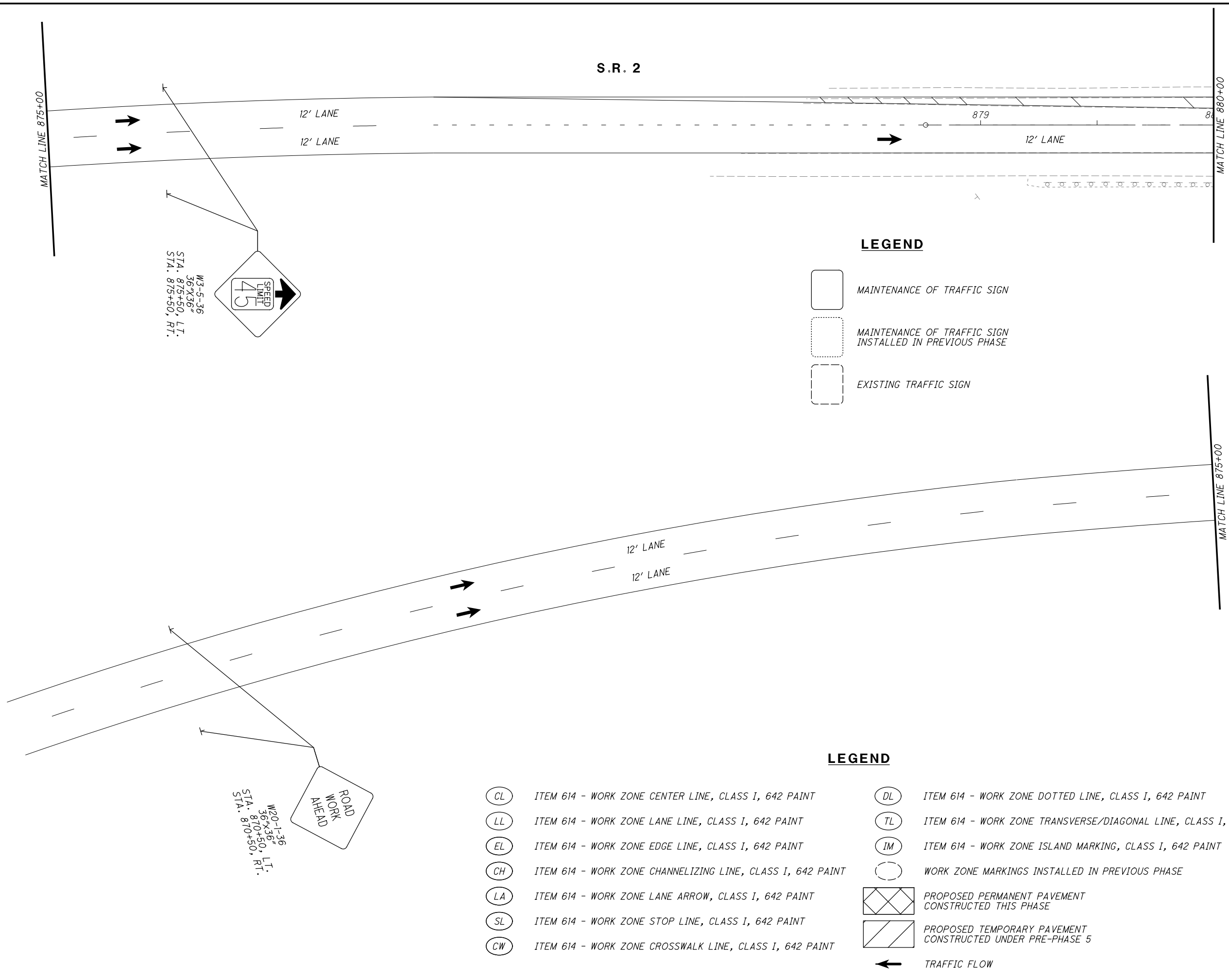
CALCULATED  
JDC  
CHECKED  
EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
STA. 203+50 TO STA. 208+50**

**LAK-US-20-19.59  
PART 1**

341  
1253





CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

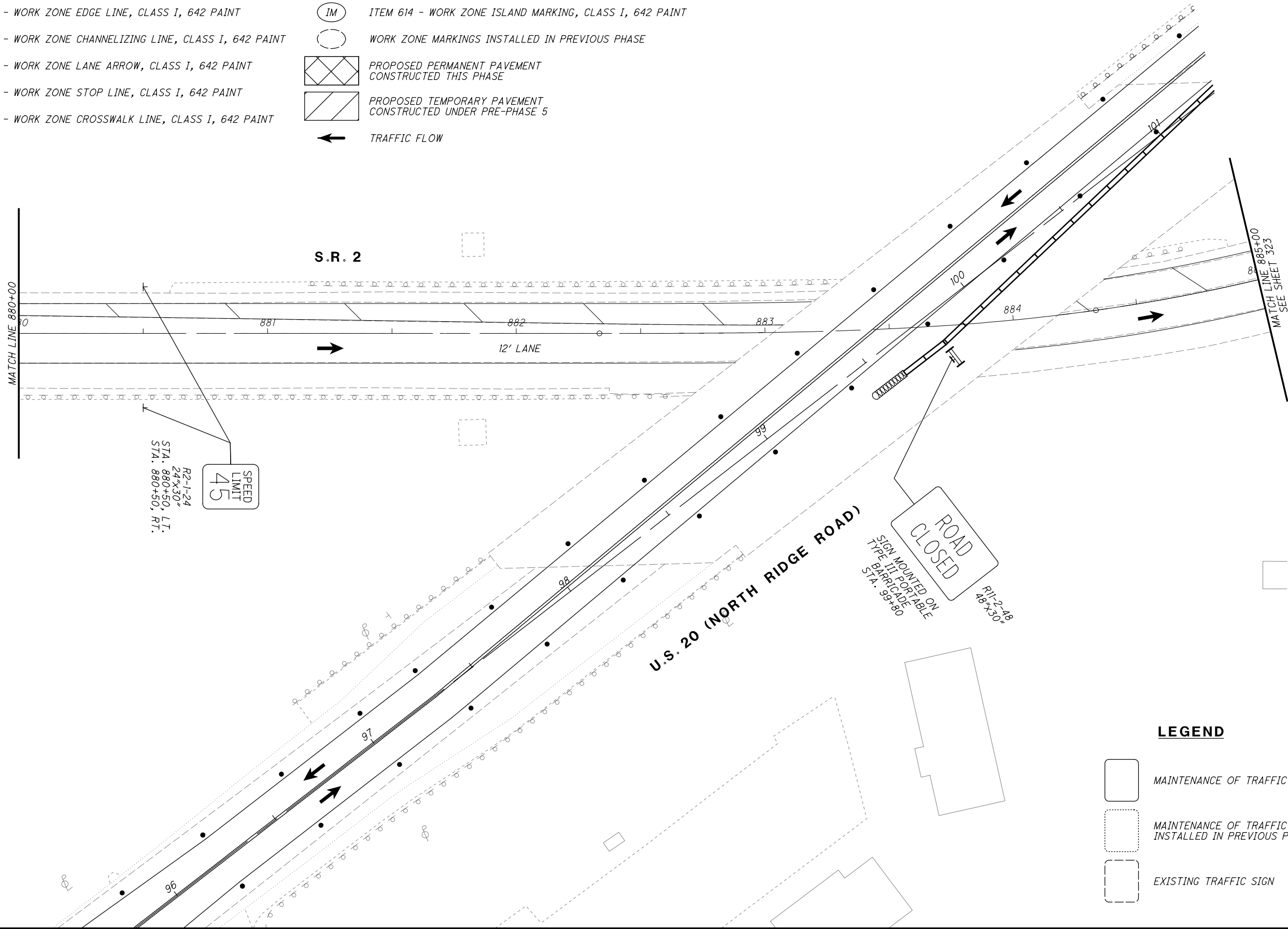
**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 870+00 TO STA. 880+00**

**LAK-US-20-19.59**  
**PART 1**

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**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |



**LEGEND**

- |              |   |
|--------------|---|
| (Solid Box)  | MAINTENANCE OF TRAFFIC SIGN                             |
| (Dashed Box) | MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| (Dotted Box) | EXISTING TRAFFIC SIGN                                   |



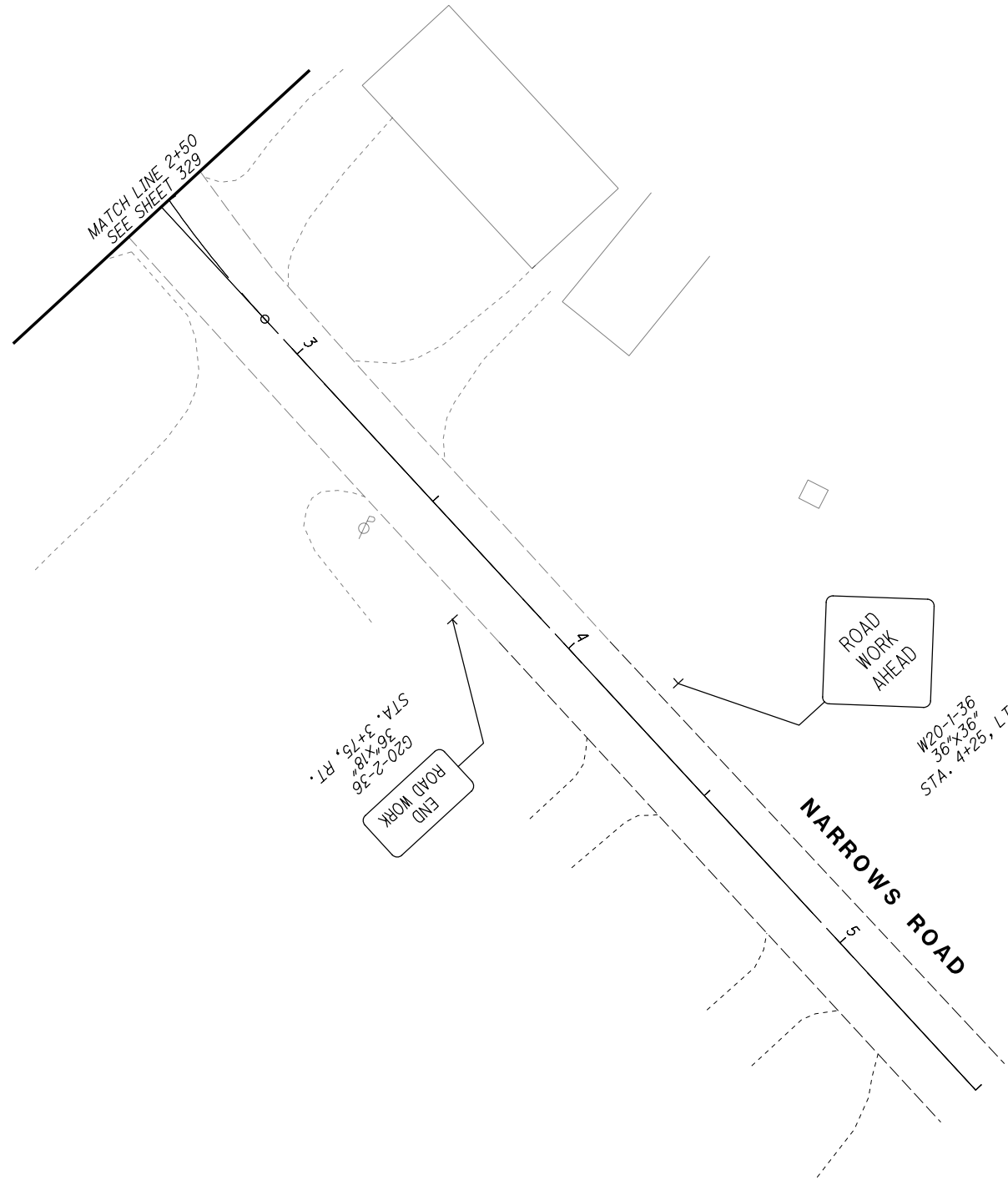
CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**STA. 880+00 TO STA. 885+00**




**LAK-US-20-19.59**  
**PART 1**

343  
1253

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN












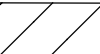


CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET

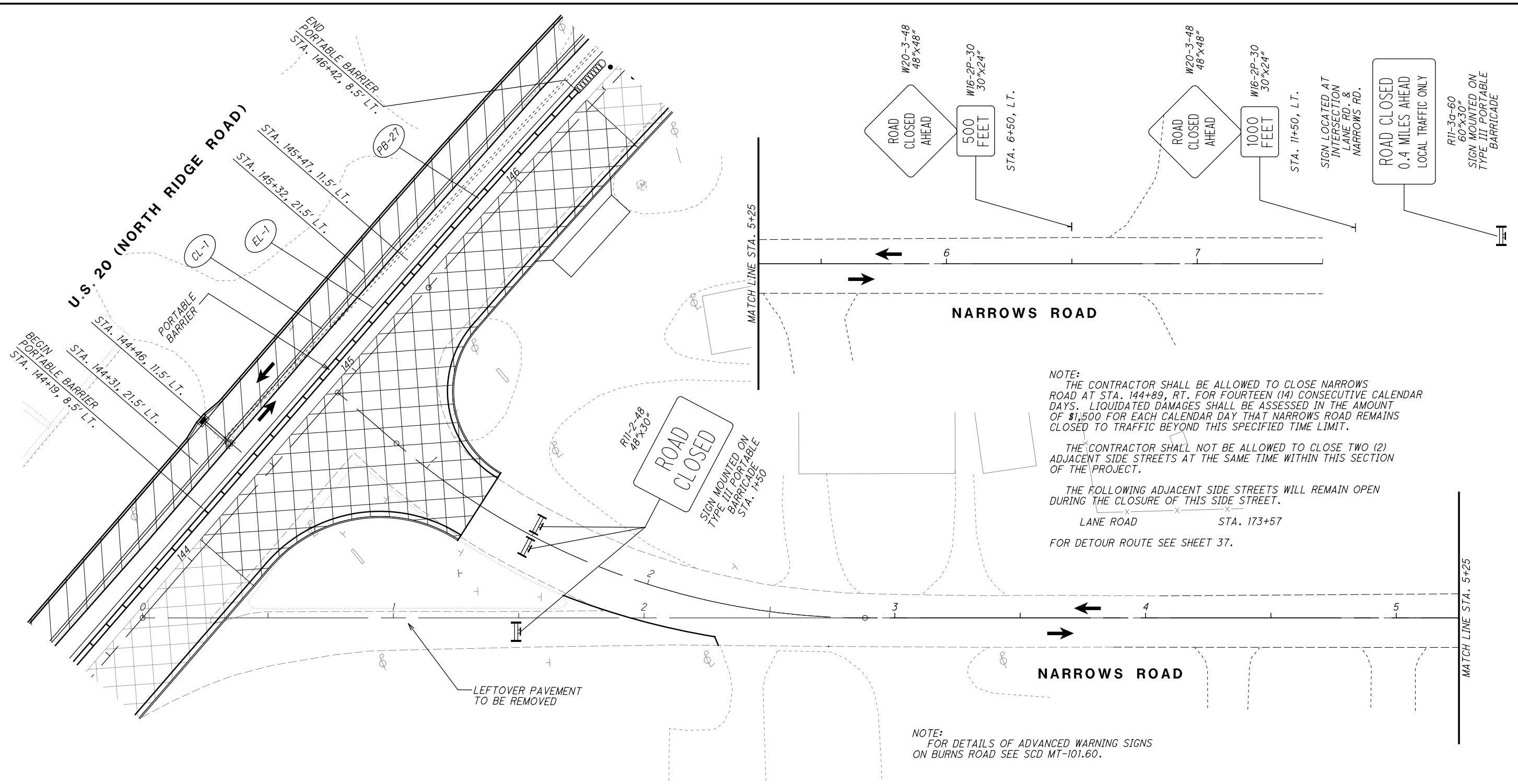
**MAINTENANCE OF TRAFFIC PLAN - PHASE 5  
NARROWS ROAD**

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**LAK-US-20-19.59  
PART 1**

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**NOTE:**  
 THE CONTRACTOR SHALL BE ALLOWED TO CLOSE NARROWS ROAD AT STA. 144+89, RT. FOR FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. LIQUIDATED DAMAGES SHALL BE ASSESSED IN THE AMOUNT OF \$1,500 FOR EACH CALENDAR DAY THAT NARROWS ROAD REMAINS CLOSED TO TRAFFIC BEYOND THIS SPECIFIED TIME LIMIT.

THE CONTRACTOR SHALL NOT BE ALLOWED TO CLOSE TWO (2) ADJACENT SIDE STREETS AT THE SAME TIME WITHIN THIS SECTION OF THE PROJECT.

THE FOLLOWING ADJACENT SIDE STREETS WILL REMAIN OPEN DURING THE CLOSURE OF THIS SIDE STREET.  
 LANE ROAD STA. 173+57  
 FOR DETOUR ROUTE SEE SHEET 37.

**NOTE:**  
 FOR DETAILS OF ADVANCED WARNING SIGNS ON BURNS ROAD SEE SCD MT-101.60.

**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
	TRAFFIC FLOW

LAK-US-20-19.59  
PART 1

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**NARROWS ROAD**

345  
1253

CALCULATED	JDC	CHECKED	EJT
------------	-----	---------	-----

0 10 20 40  
HORIZONTAL SCALE IN FEET

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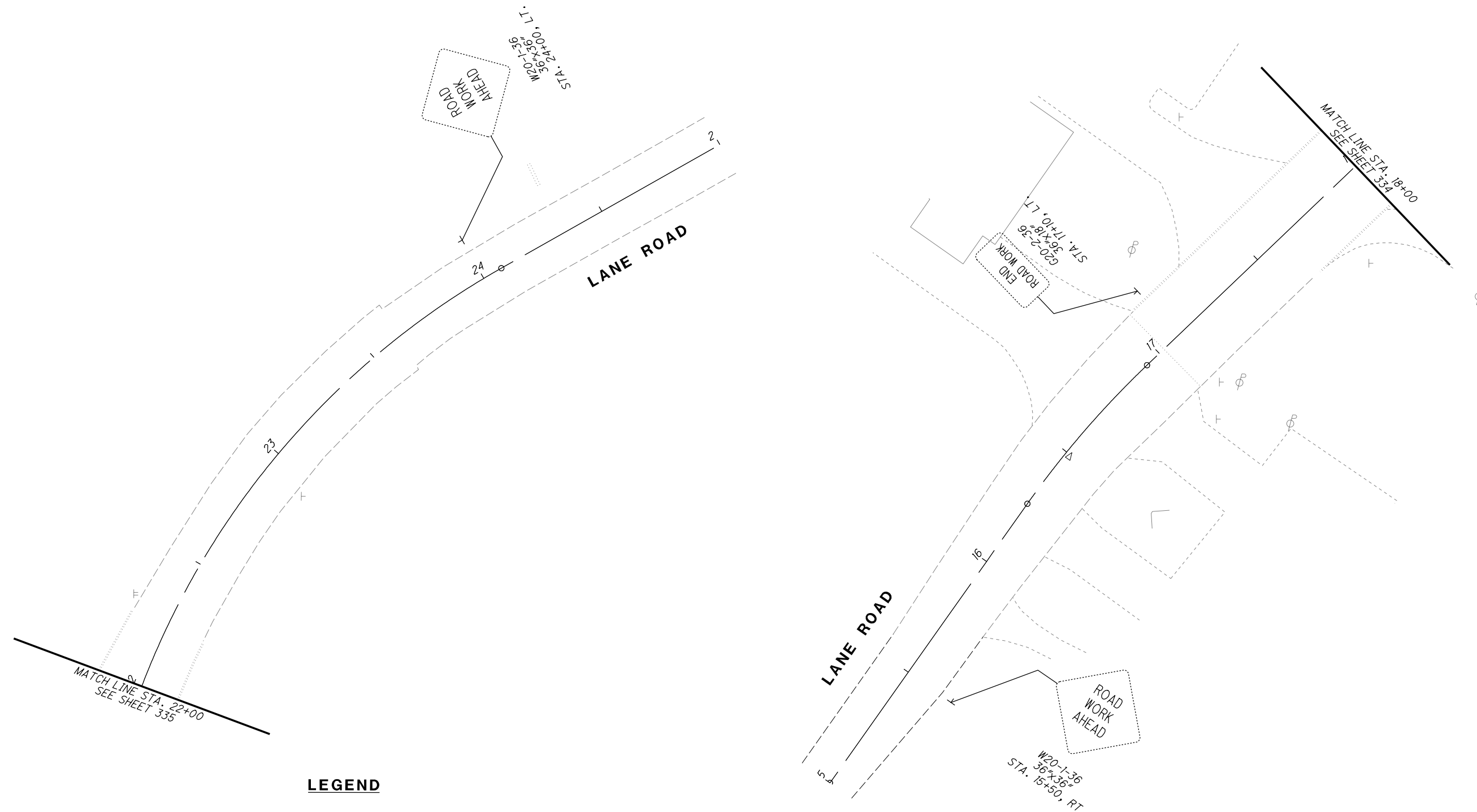
0 20 40  
10  
HORIZONTAL  
SCALE IN FEET

CALCULATED	JDC
CHECKED	EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 5**  
**LANE ROAD**

**LAK-US-20-19.59**  
**PART 1**

346  
1253



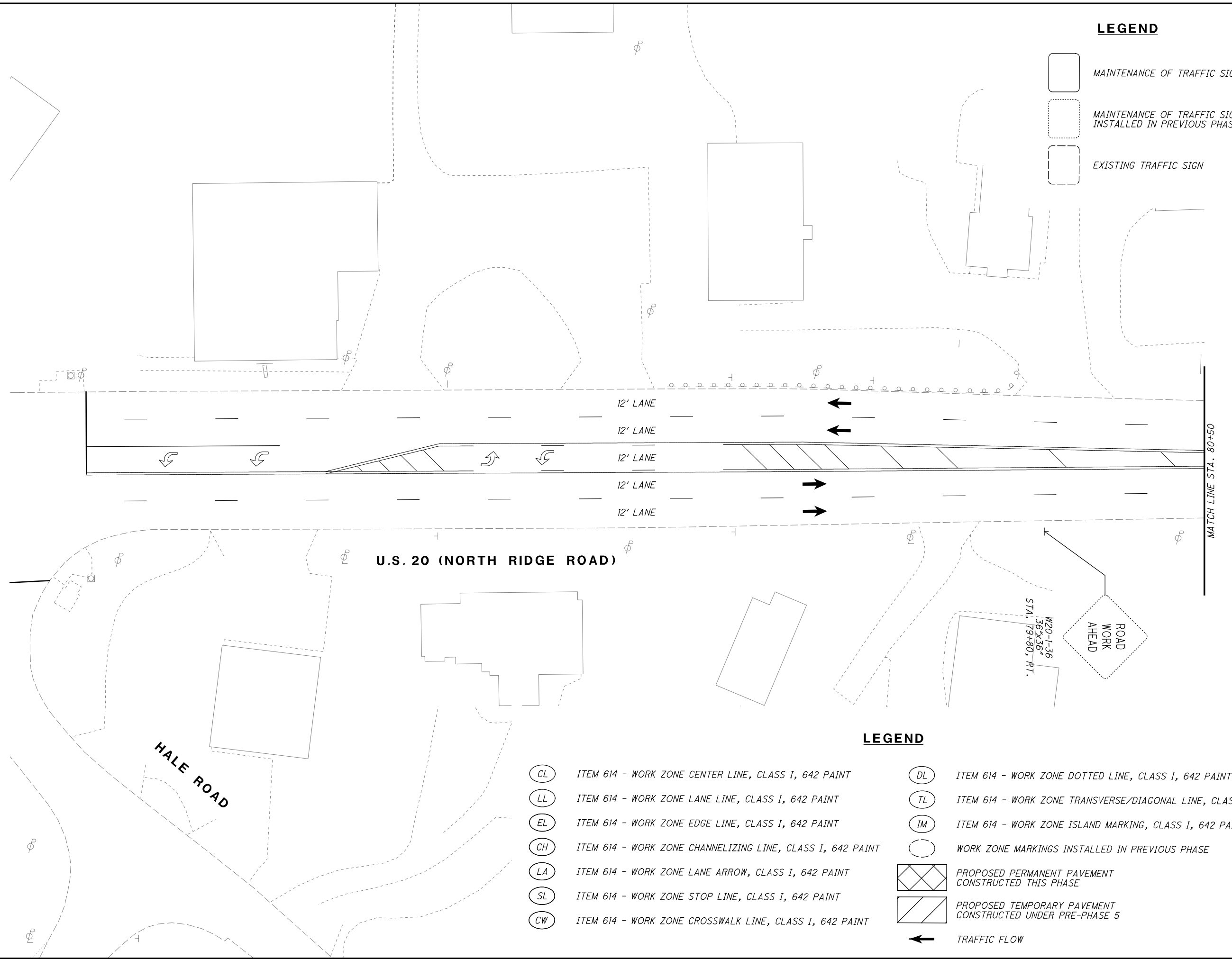
**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT<br>CONSTRUCTED THIS PHASE             |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT<br>CONSTRUCTED UNDER PRE-PHASE 5      |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |




**LEGEND**

- |     |  |
|-----|--|
| (□) | MAINTENANCE OF TRAFFIC SIGN                                |
| (□) | MAINTENANCE OF TRAFFIC SIGN<br>INSTALLED IN PREVIOUS PHASE |
| (□) | EXISTING TRAFFIC SIGN                                      |













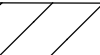

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW





CALCULATED  
JDC

CHECKED  
EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**

**STA. 75+25 TO STA. 80+50**

**LAK-US-20-19.59**




**PART 1**








347

1253






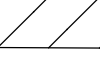

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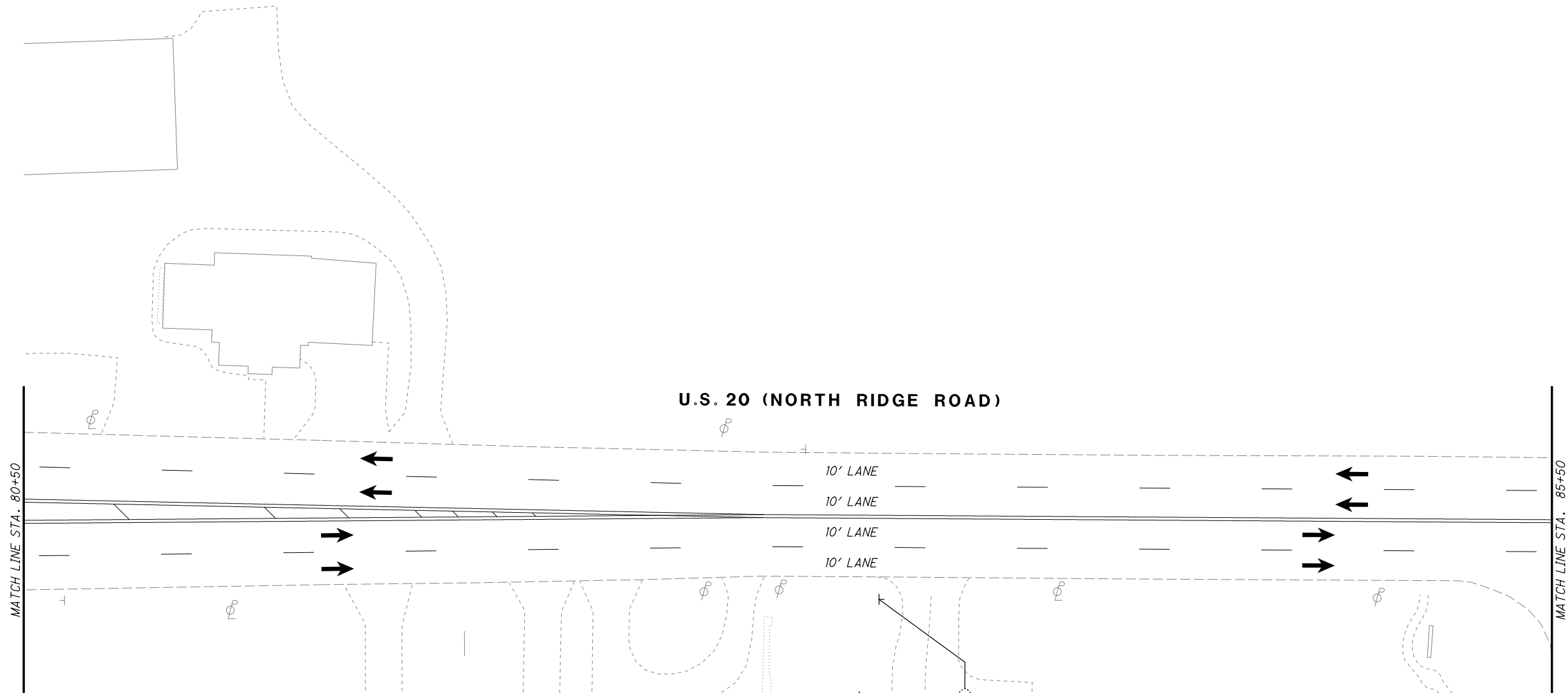
**LEGEND**

	MAINTENANCE OF TRAFFIC SIGN
	MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
	EXISTING TRAFFIC SIGN

	ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

	ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
	ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
	WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
	PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
	PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
	TRAFFIC FLOW

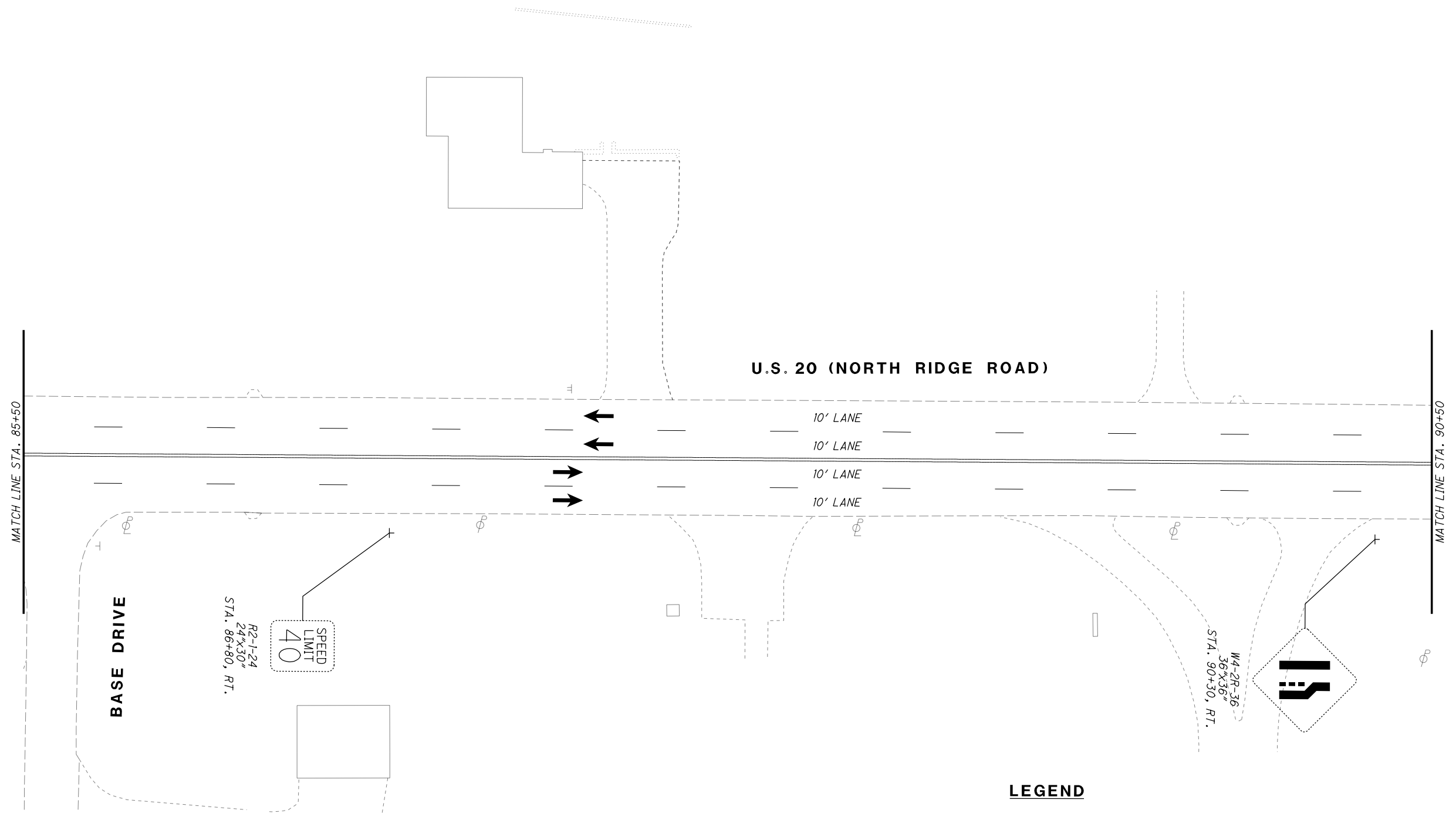


  
  
 HORIZONTAL SCALE IN FEET  
 CALCULATED JDC  
 CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 80+50 TO STA. 85+50**

**LAK-US-20-19.59**  
**PART 1**

348  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW



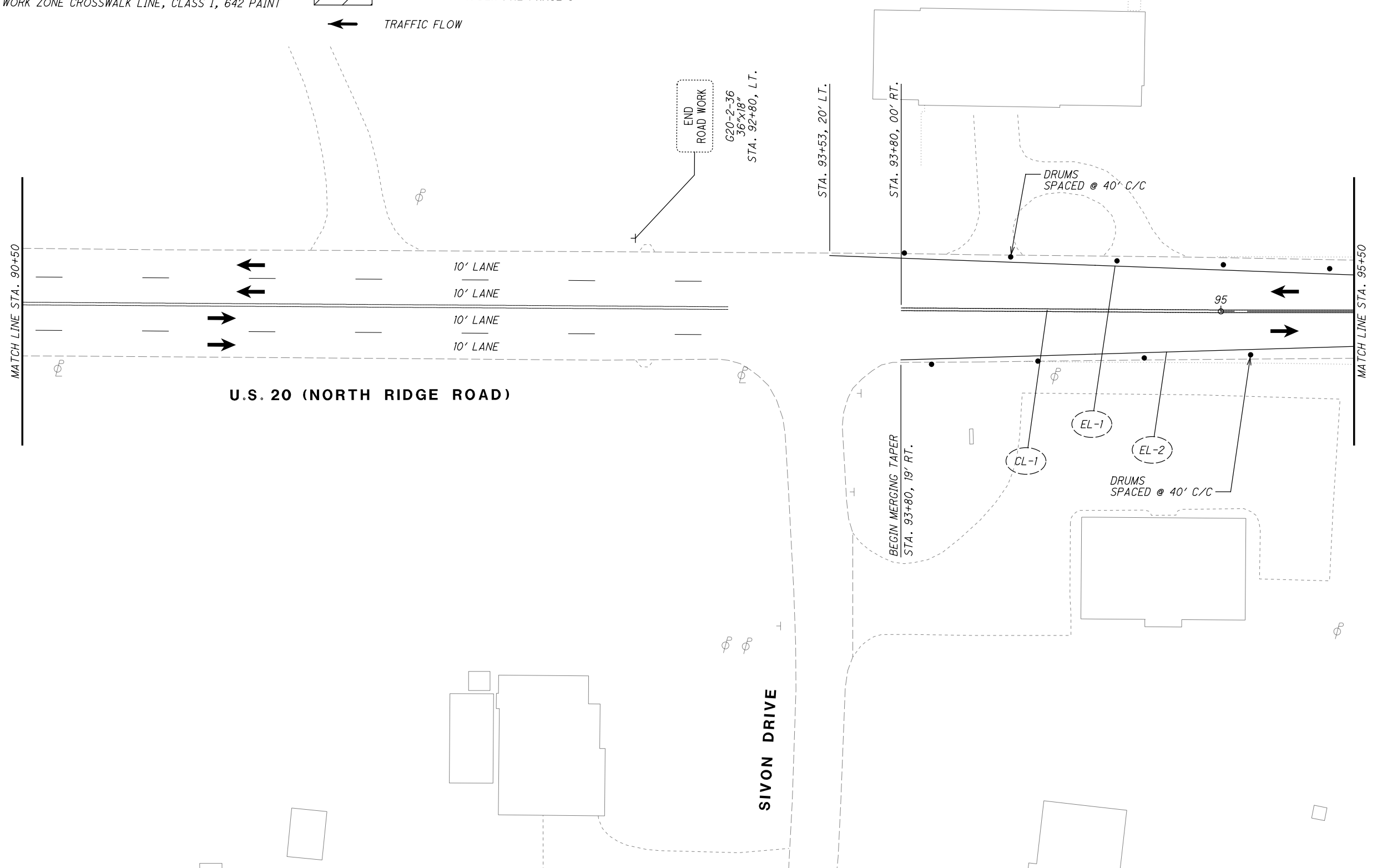
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- LEGEND**
- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
  - (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
  - (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
  - (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
  - (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
  - (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
  - (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
  - (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
  - (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
  - (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
  - ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
  - [X] PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
  - [ / ] PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
  - ← TRAFFIC FLOW

- LEGEND**
- [ ] MAINTENANCE OF TRAFFIC SIGN
  - [ ] MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  - [ ] EXISTING TRAFFIC SIGN

CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET



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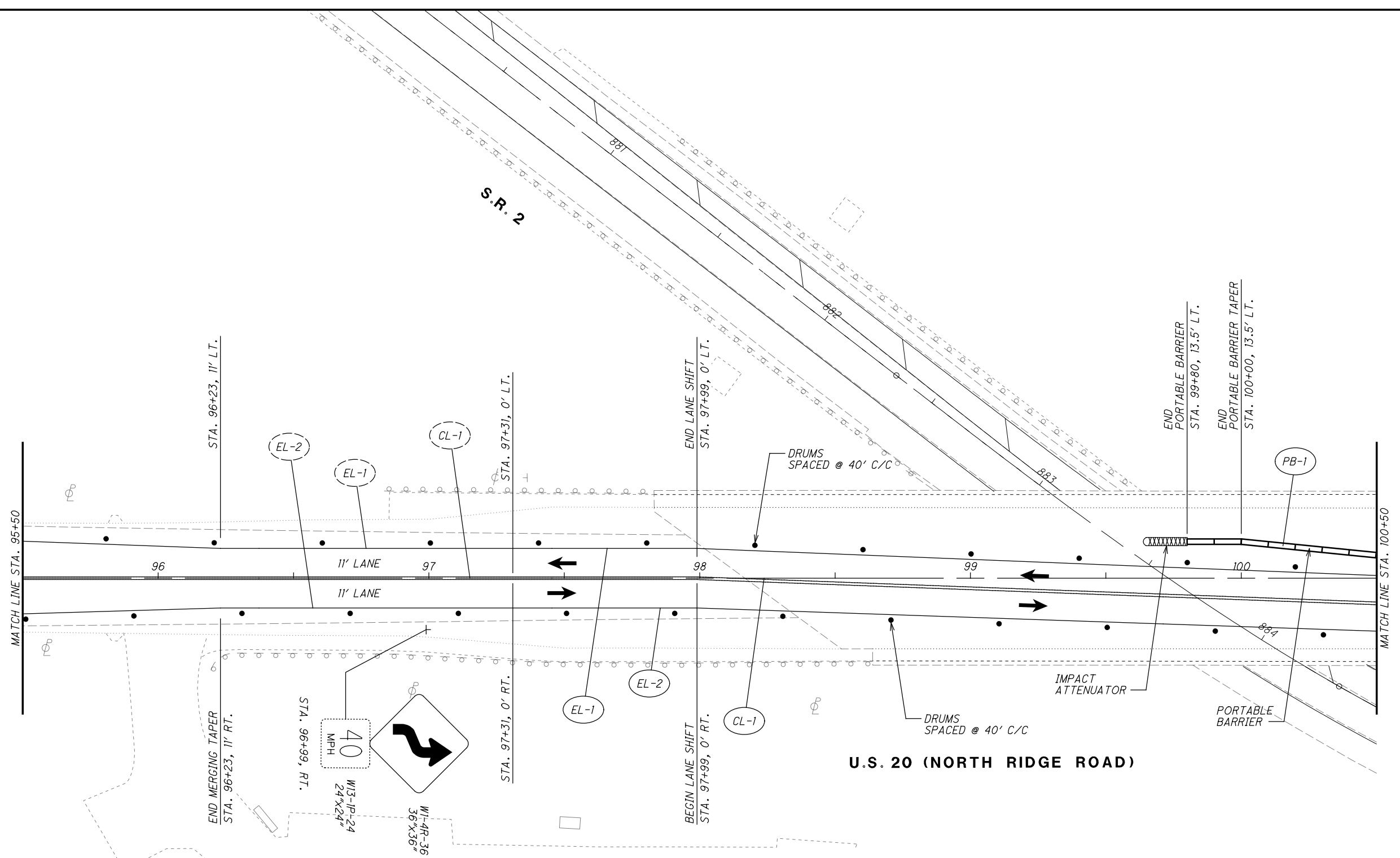
CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 95+50 TO STA. 100+50**

**LAK-US-20-19.59**  
**PART 1**

351  
1253



**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

NOTE:  
 S.R. 2 W.B. RAMP IS TO REMAIN OPEN.  
 FOR DETAILS OF CONSTRUCTION OF S.R. 2  
 W.B. RAMP SEE SHEETS 375-382.

**LEGEND**

- |      |  |                    |   |
|------|--|--------------------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL)               | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL)               | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM)               | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)                | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | [X-hatched]        | PROPOSED PERMANENT PAVEMENT<br>CONSTRUCTED THIS PHASE             |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | [Diagonal-hatched] | PROPOSED TEMPORARY PAVEMENT<br>CONSTRUCTED UNDER PRE-PHASE 5      |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | ←                  | TRAFFIC FLOW  |

**LEGEND**

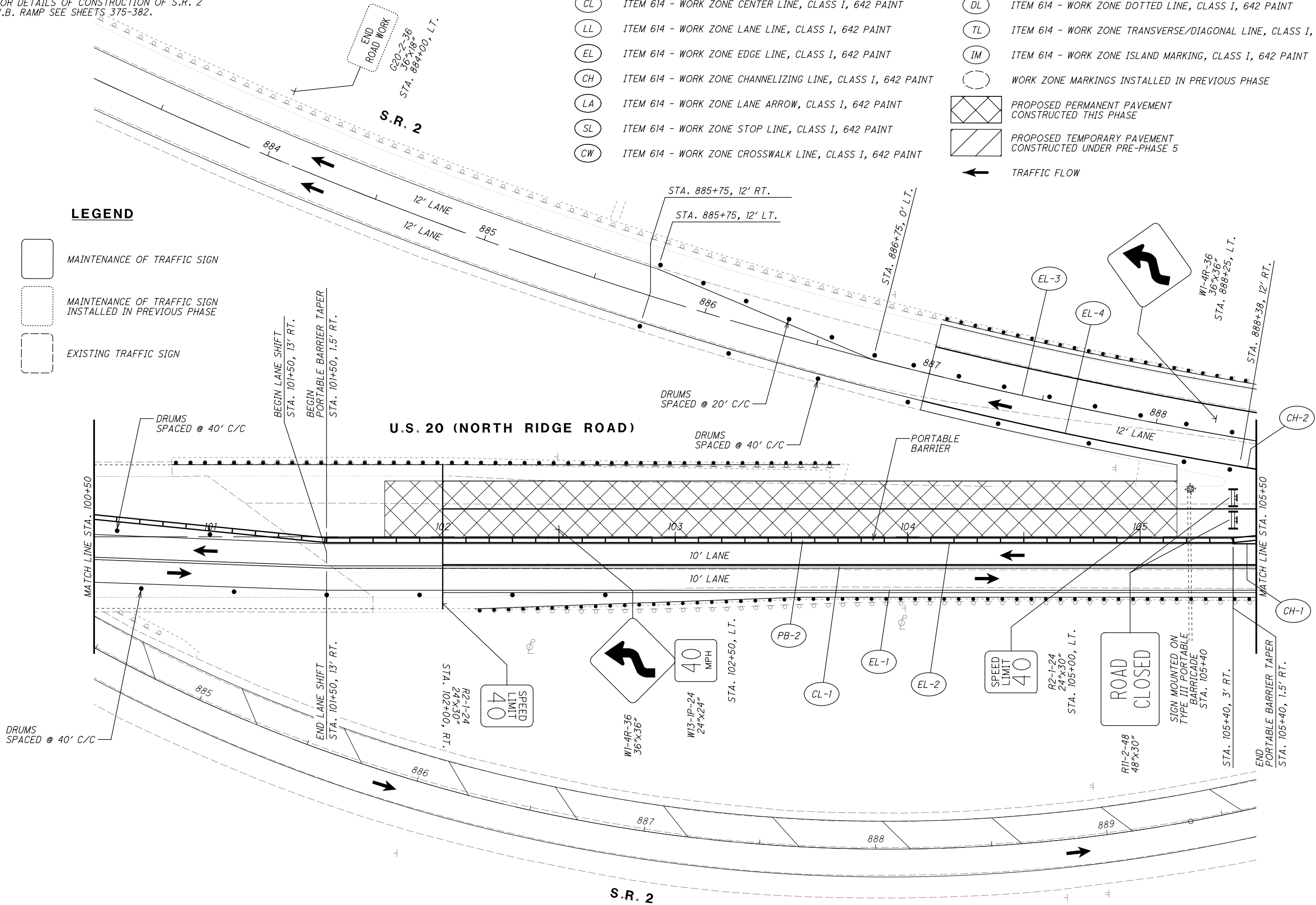
- [Solid box] MAINTENANCE OF TRAFFIC SIGN
- [Dashed box] MAINTENANCE OF TRAFFIC SIGN  
INSTALLED IN PREVIOUS PHASE
- [Dotted box] EXISTING TRAFFIC SIGN



**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**

**LAK-US-20-19.59 PART 1**

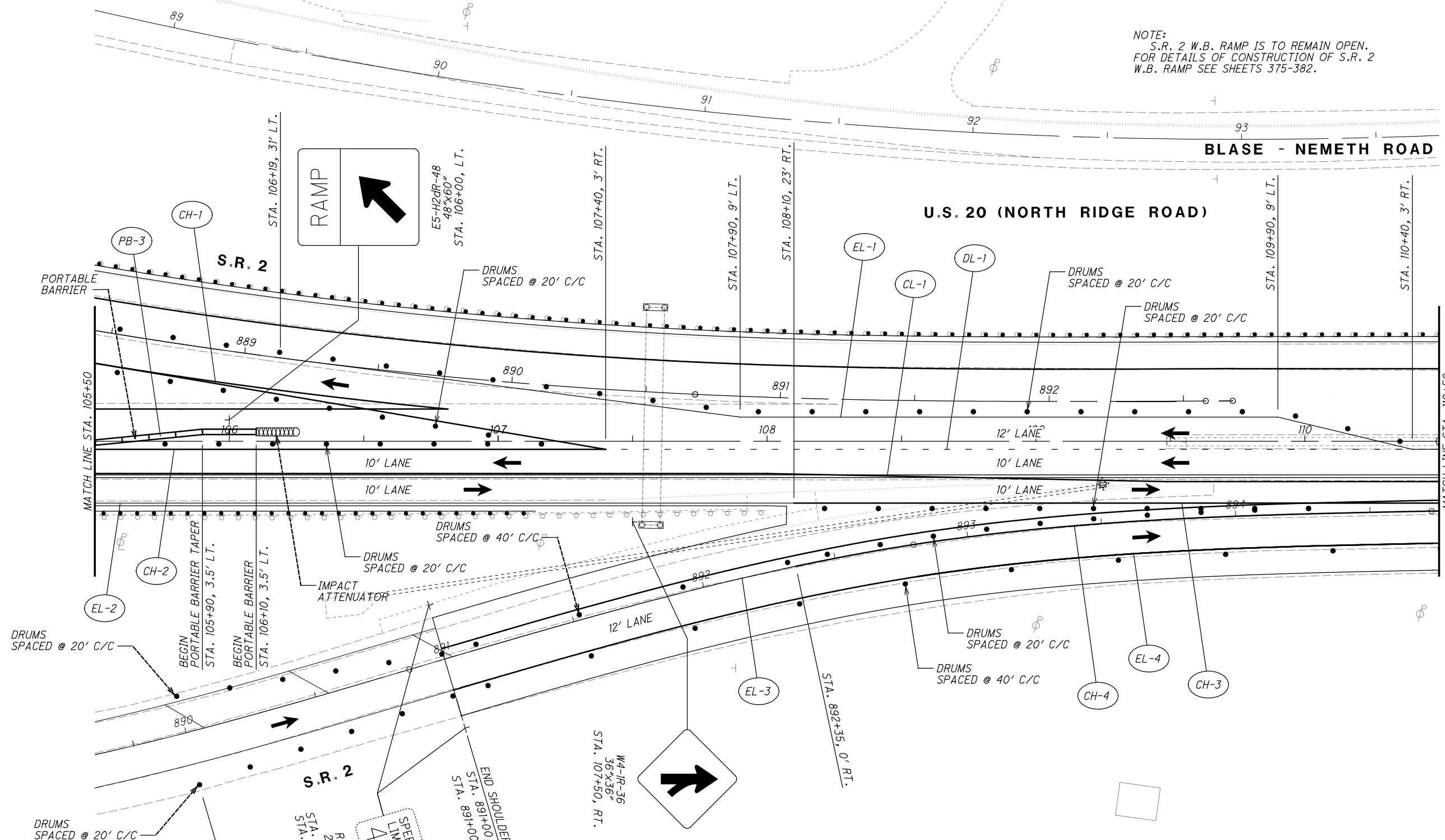
352  
1253



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NOTE:  
S.R. 2 W.B. RAMP IS TO REMAIN OPEN.  
FOR DETAILS OF CONSTRUCTION OF S.R. 2  
W.B. RAMP SEE SHEETS 375-382.



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

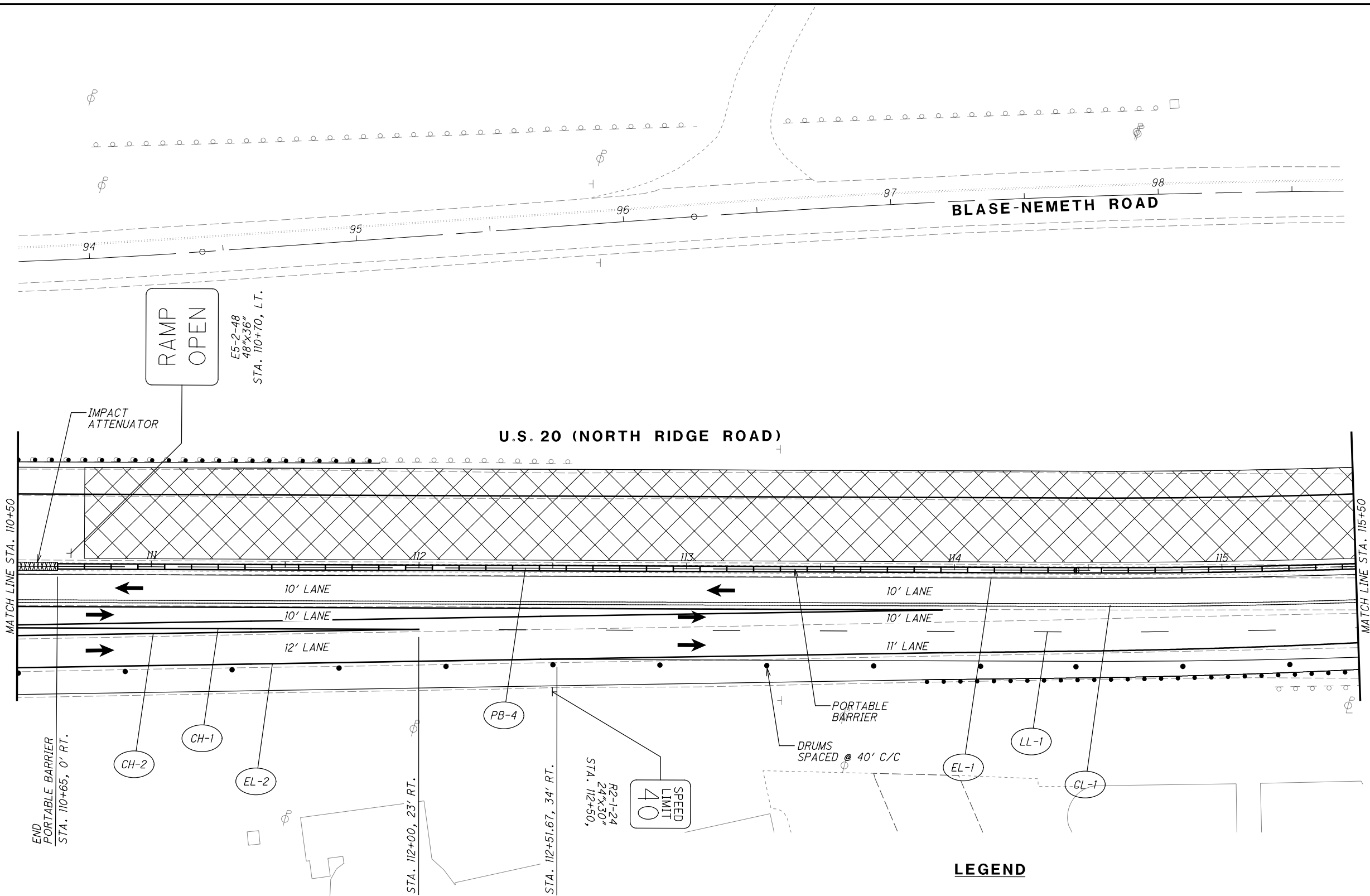
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

**LAK-US-20-19.59**  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 105+50 TO STA. 110+50**  
**PART 1**

**LAK-US-20-19.59**  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 105+50 TO STA. 110+50**  
**PART 1**

353  
 1253

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**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

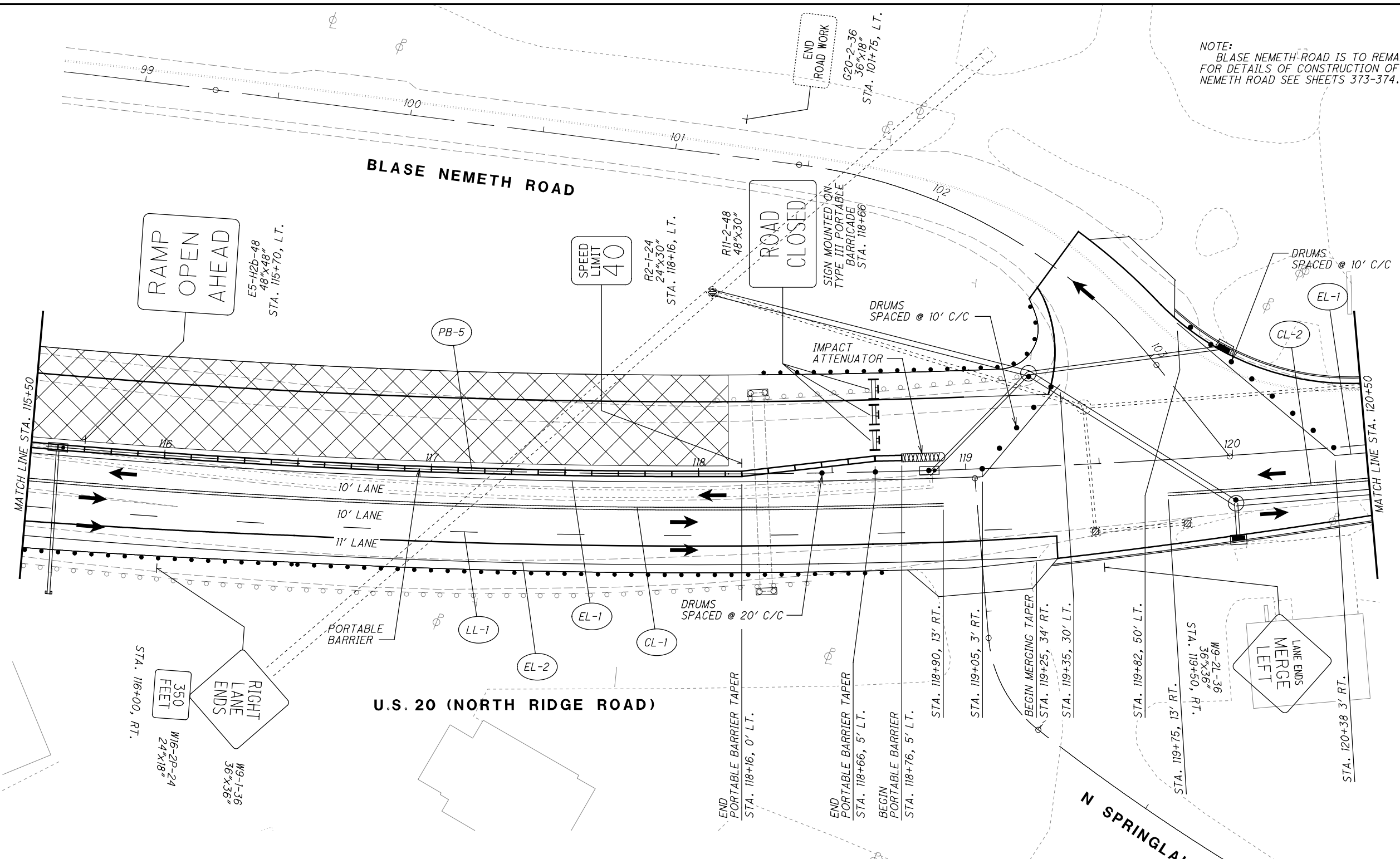
CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 110+50 TO STA. 115+50**

**LAK-US-20-19.59**  
**PART 1**

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NOTE:  
BLASE NEMETH ROAD IS TO REMAIN OPEN.  
FOR DETAILS OF CONSTRUCTION OF BLASE  
NEMETH ROAD SEE SHEETS 373-374.



MAINTENANCE OF TRAFFIC PLAN - PHASE 6  
STA. 115+50 TO STA. 120+50

LAK-US-20-19.59  
PART 1

355  
1253

- |      |  |
|------|--|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |

- |      |   |
|------|---|
| (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (X)  | PROPOSED PERMANENT PAVEMENT<br>CONSTRUCTED THIS PHASE             |
| (/)  | PROPOSED TEMPORARY PAVEMENT<br>CONSTRUCTED UNDER PRE-PHASE 5      |
| (←)  | TRAFFIC FLOW  |

- LEGEND**
- |              |  |
|--------------|--|
| (Solid Box)  | MAINTENANCE OF TRAFFIC SIGN                                |
| (Dashed Box) | MAINTENANCE OF TRAFFIC SIGN<br>INSTALLED IN PREVIOUS PHASE |
| (Dotted Box) | EXISTING TRAFFIC SIGN                                      |

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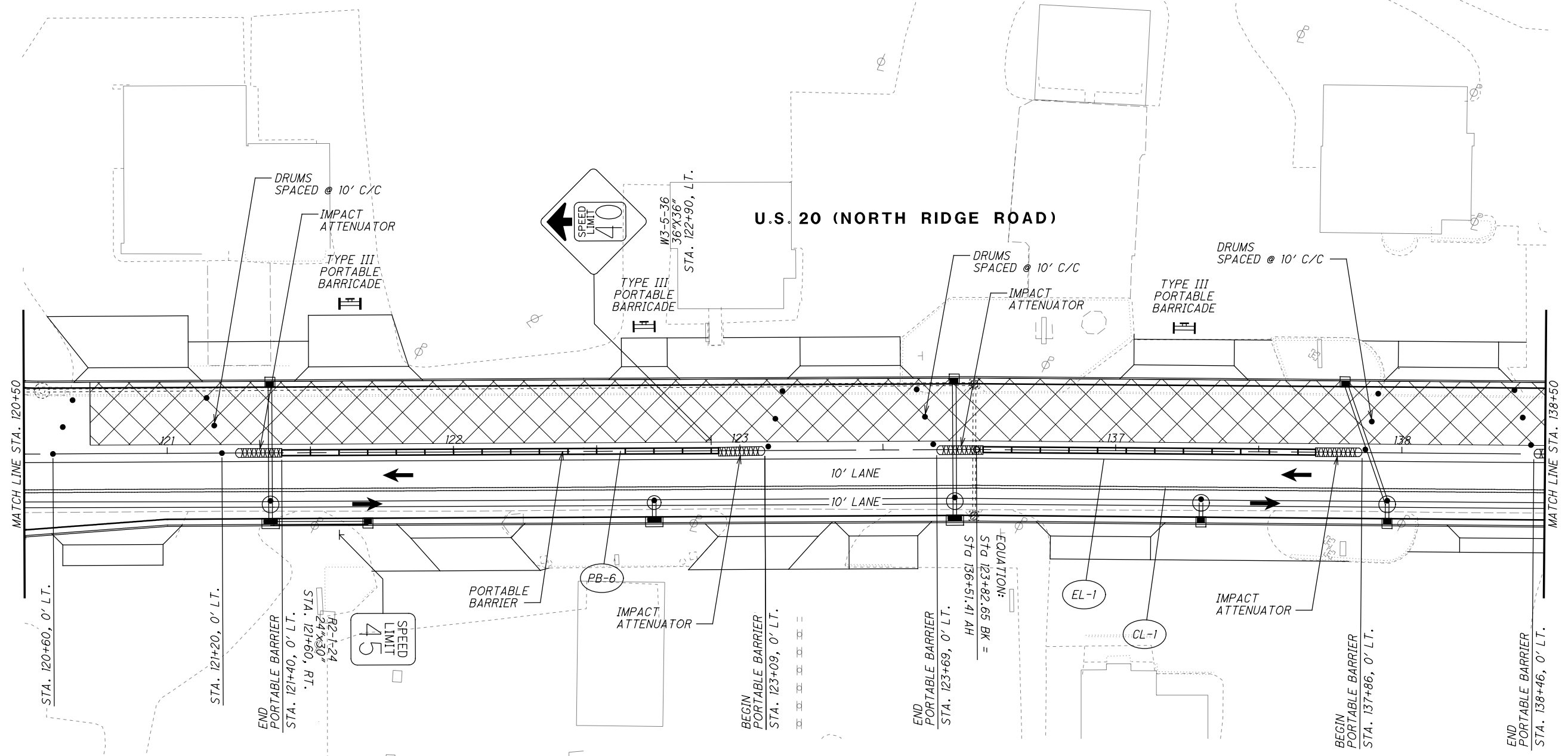

  

  
 CALCULATED JDC  
 CHECKED EJT




**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 120+50 TO STA. 138+50**








**LAK-US-20-19.59**  
**PART 1**

356  
1253






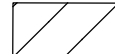



**LEGEND**

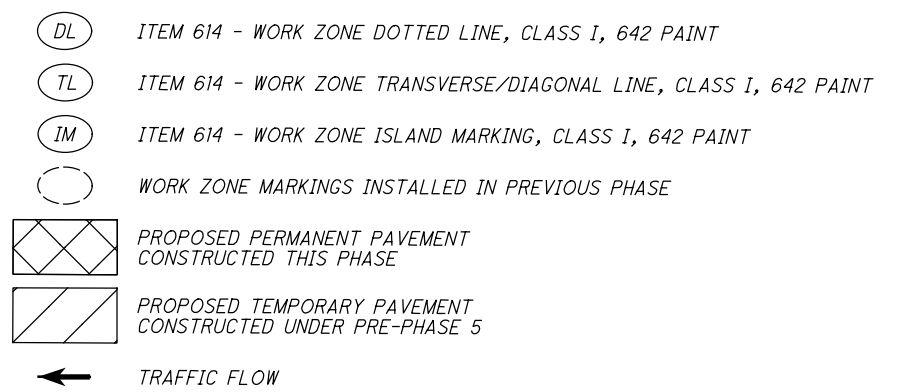
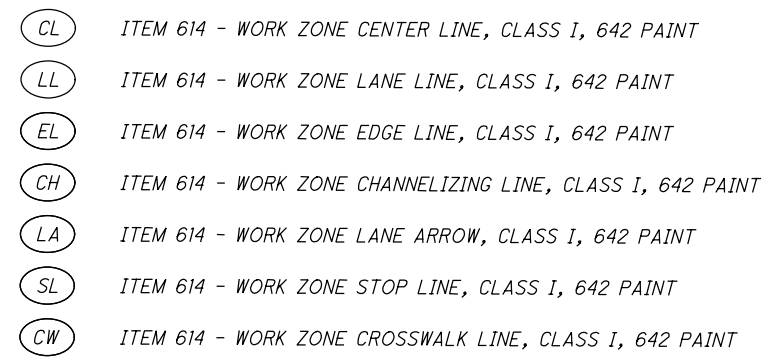
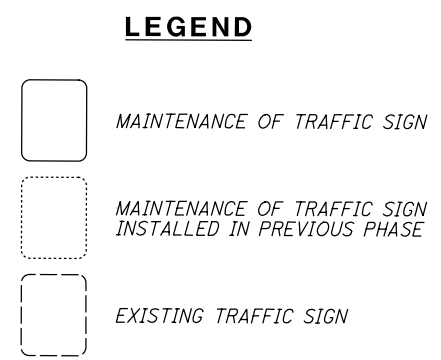
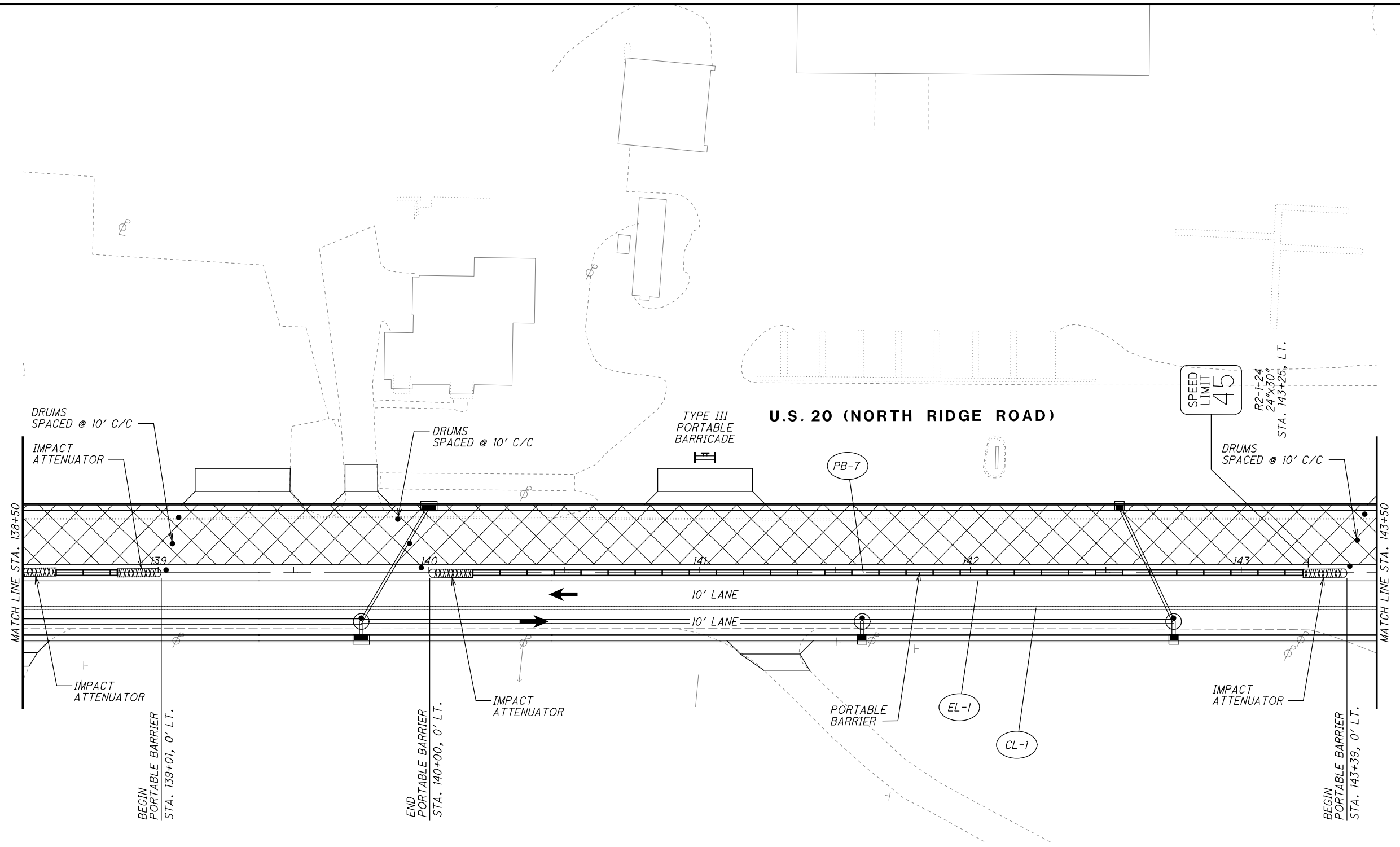
-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

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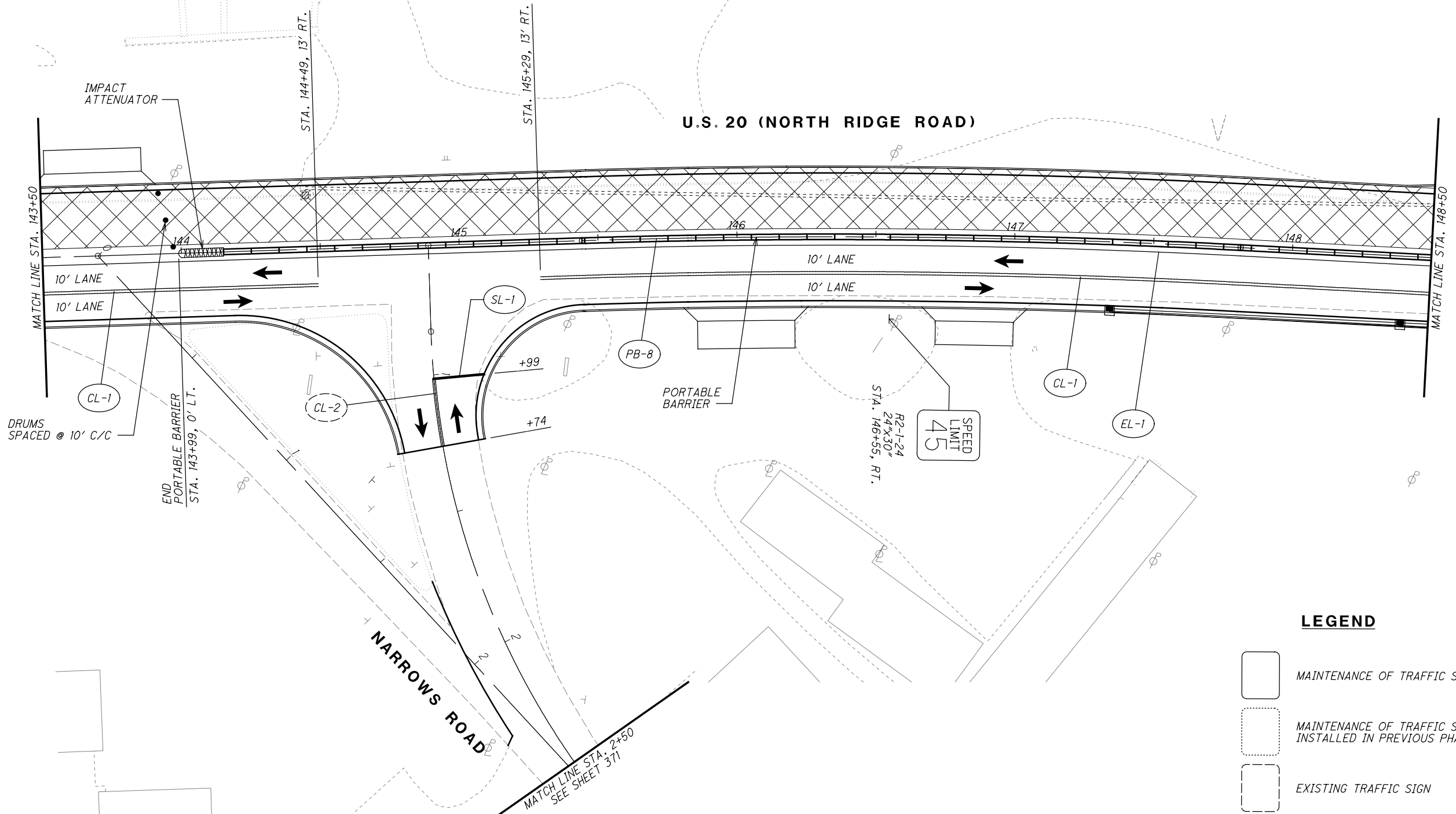
CALCULATED JDC  
 CHECKED EJT  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 138+50 TO STA. 143+50**

**LAK-US-20-19.59**  
**PART 1**

357  
 1253



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**LEGEND**

- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- (○) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- (X) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- (/) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- (←) TRAFFIC FLOW

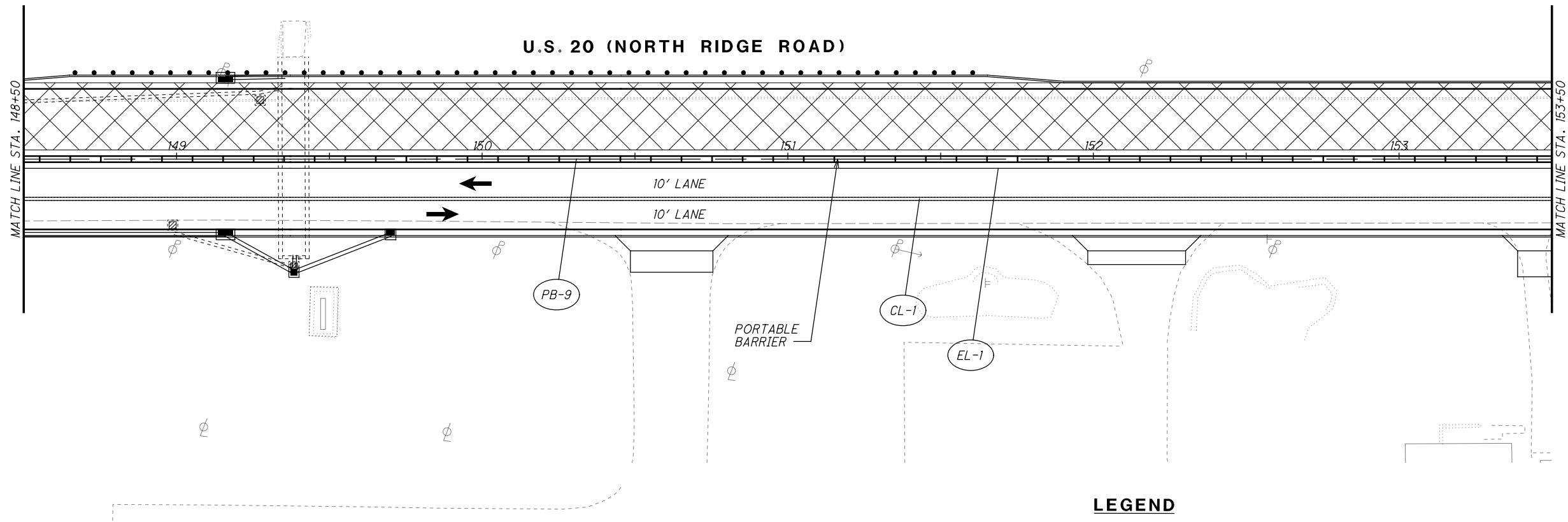


**LAK-US-20-19.59 PART 1**  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 143+50 TO STA. 148+50**




**LEGEND**








- (□) MAINTENANCE OF TRAFFIC SIGN
- (□) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- (□) EXISTING TRAFFIC SIGN

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


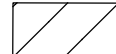



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



CALCULATED  
JDC  
CHECKED  
EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 148+50 TO STA. 153+50**

**LAK-US-20-19.59**  
**PART 1**

359  
1253

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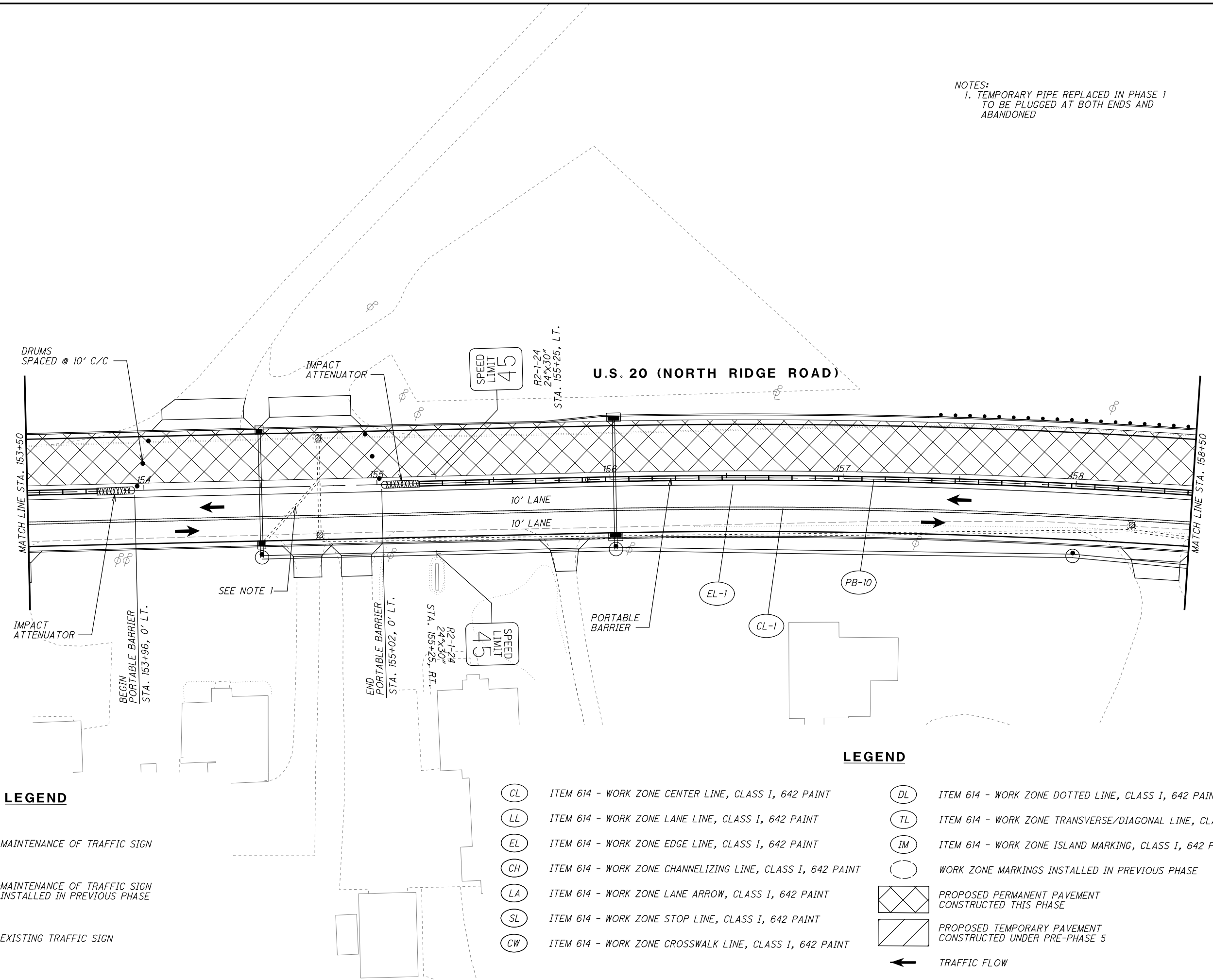
CALCULATED  
JDC  
CHECKED  
EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 153+50 TO STA. 158+50**




**LAK-US-20-19.59**  
**PART 1**








360  
1253

NOTES:  
1. TEMPORARY PIPE REPLACED IN PHASE 1  
TO BE PLUGGED AT BOTH ENDS AND  
ABANDONED






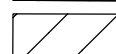
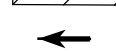


**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

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NOTES:  
 1. TEMPORARY PIPE REPLACED IN PHASE 1  
 TO BE PLUGGED AT BOTH ENDS AND  
 ABANDONED

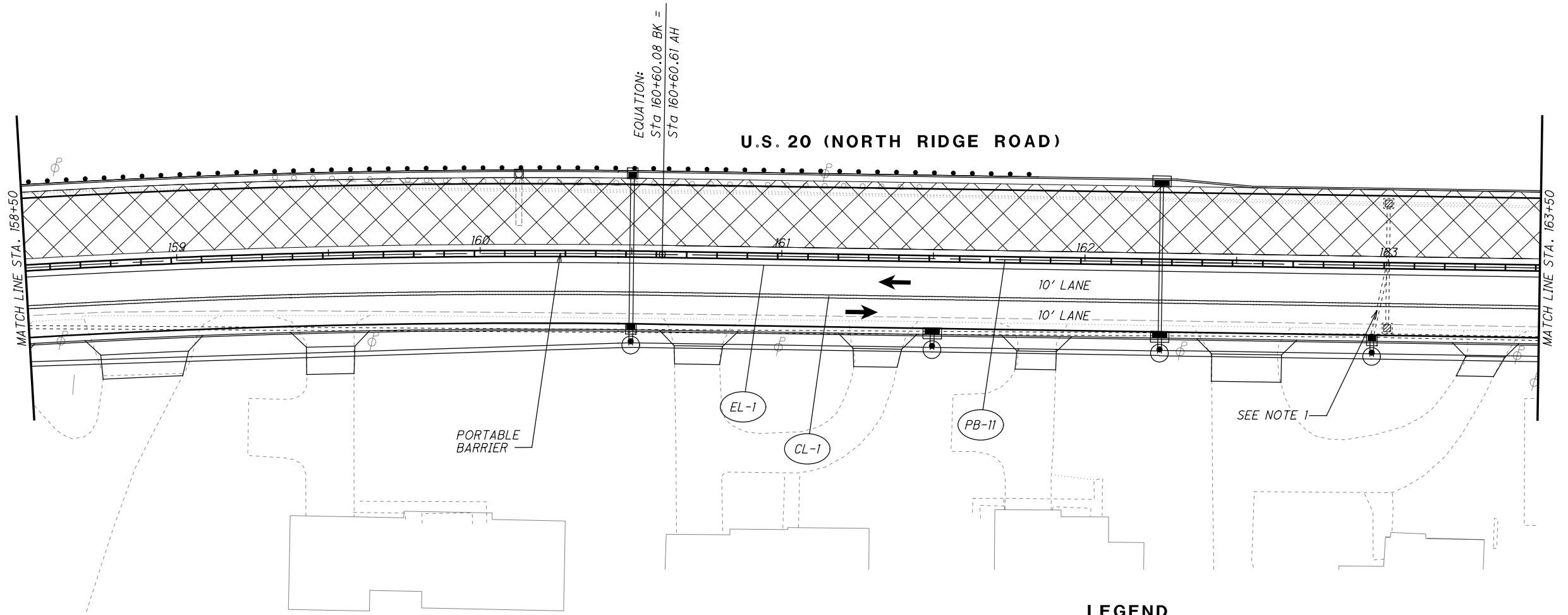


CALCULATED  
 JDC  
 CHECKED  
 EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 158+50 TO STA. 163+50**

**LAK-US-20-19.59**  
**PART 1**

361  
 1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN  
INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT  
CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT  
CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

EQUATION:  
 Sta 160+60.08 BK =  
 Sta 160+60.61 AH

**U.S. 20 (NORTH RIDGE ROAD)**

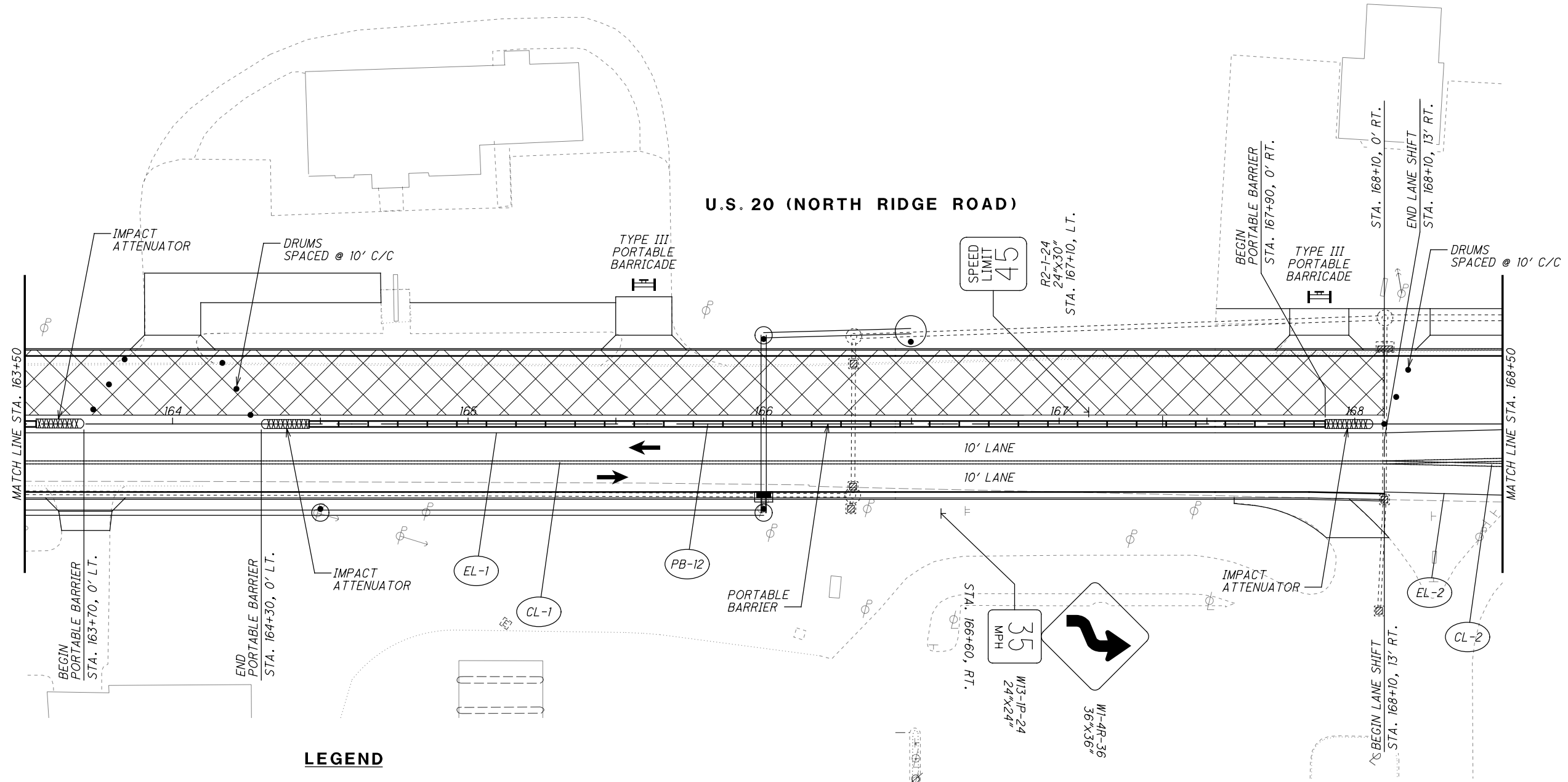
MATCH LINE STA. 158+50

MATCH LINE STA. 163+50

PORTABLE  
 BARRIER

SEE NOTE 1

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**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | ( )  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

**LEGEND**

- |              |   |
|--------------|---|
| (Solid Box)  | MAINTENANCE OF TRAFFIC SIGN                             |
| (Dashed Box) | MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| (Dotted Box) | EXISTING TRAFFIC SIGN                                   |

CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6  
STA. 163+50 TO STA. 168+50**

**LAK-US-20-19.59  
PART 1**

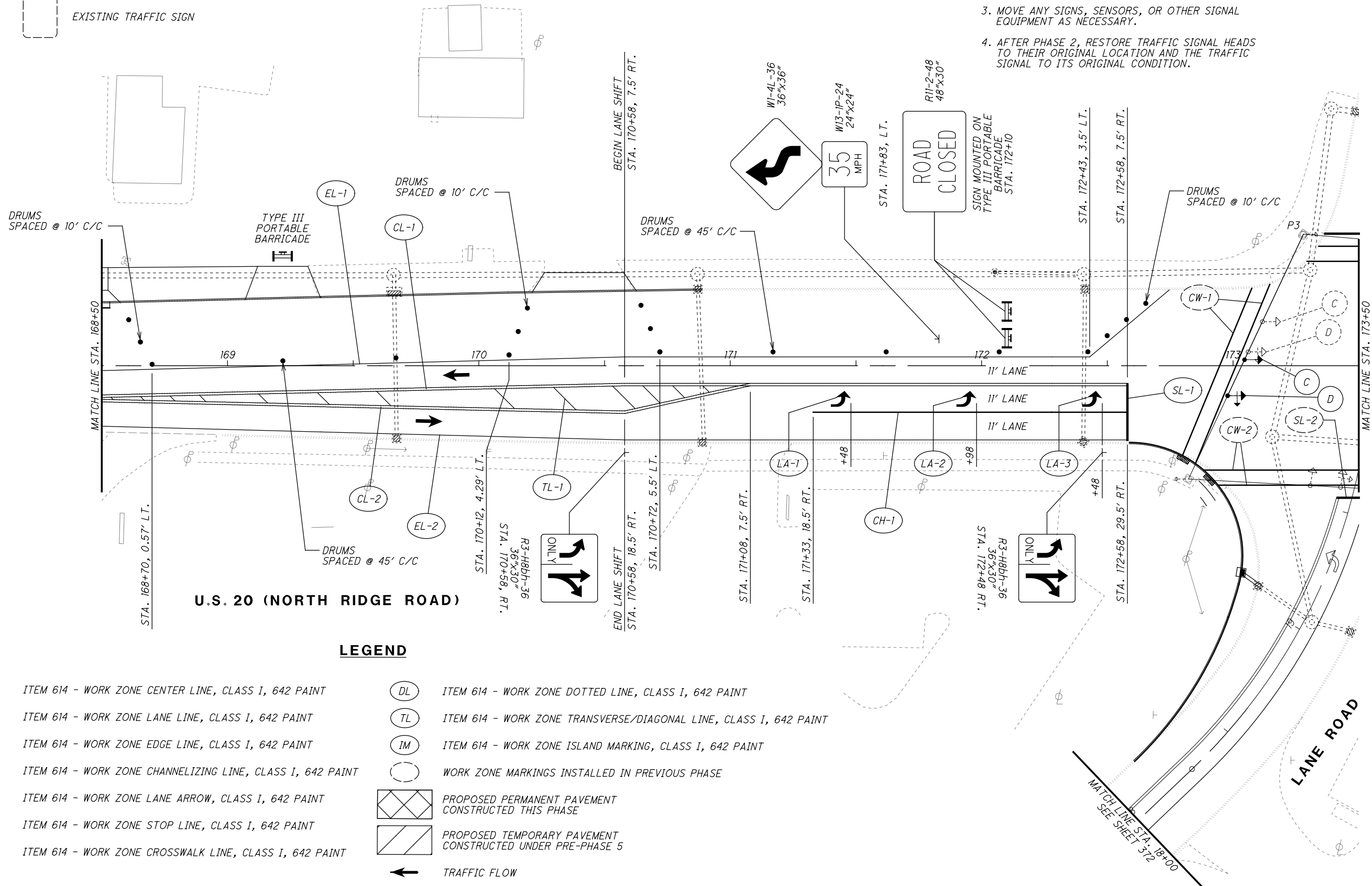
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**LEGEND**












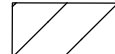


-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" BACK TO THEIR ORIGINAL LOCATIONS:  
 SIGNAL HEAD "A": 55.5 FEET FROM POLE P1  
 SIGNAL HEAD "B": 68.8 FEET FROM POLE P1
2. MOVE EXISTING SIGNAL HEAD "C" AND "D" TO THE FOLLOWING NEW LOCATIONS:  
 SIGNAL HEAD "C": 55.2 FEET FROM POLE P3  
 SIGNAL HEAD "D": 71.0 FEET FROM POLE P3
3. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.
4. AFTER PHASE 2, RESTORE TRAFFIC SIGNAL HEADS TO THEIR ORIGINAL LOCATION AND THE TRAFFIC SIGNAL TO ITS ORIGINAL CONDITION.



**LEGEND**

- |  |  |
|--|--|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

CALCULATED	JDC	CHECKED	EJT
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**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 168+50 TO STA. 173+50**

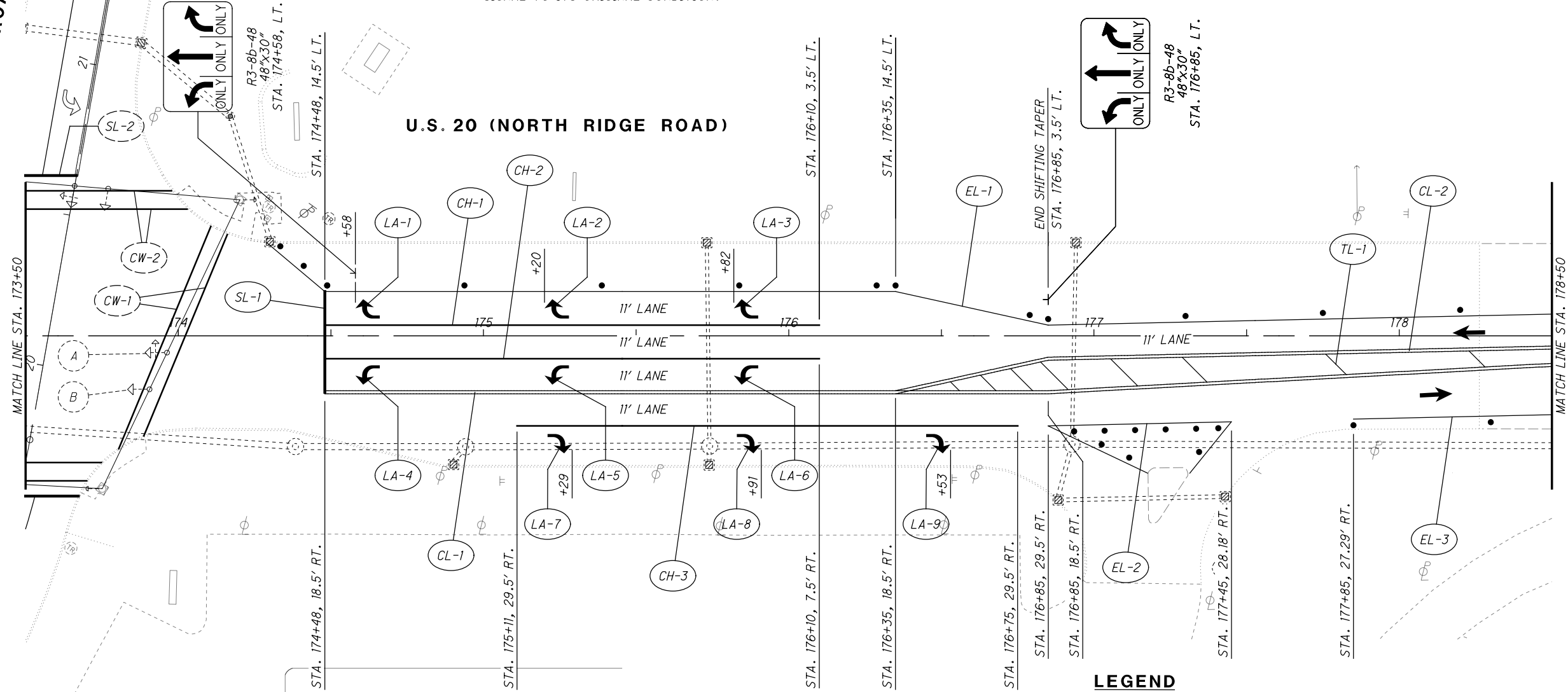
**LAK-US-20-19.59**  
**PART 1**

363  
1253

LANE ROAD

MATCH LINE STA. 22+00  
SEE SHEET 372

END ROAD WORK  
G20-2-36  
36"x18"  
STA. 21+50, RT.



**TRAFFIC SIGNAL NOTES**

1. MOVE EXISTING TRAFFIC SIGNAL HEADS, "A" AND "B" BACK TO THEIR ORIGINAL LOCATIONS:  
SIGNAL HEAD "A": 55.5 FEET FROM POLE P1  
SIGNAL HEAD "B": 68.8 FEET FROM POLE P1
2. MOVE EXISTING SIGNAL HEAD "C" AND "D" TO THE FOLLOWING NEW LOCATIONS:  
SIGNAL HEAD "C": 55.2 FEET FROM POLE P3  
SIGNAL HEAD "D": 71.0 FEET FROM POLE P3
3. MOVE ANY SIGNS, SENSORS, OR OTHER SIGNAL EQUIPMENT AS NECESSARY.
4. AFTER PHASE 2, RESTORE TRAFFIC SIGNAL HEADS TO THEIR ORIGINAL LOCATION AND THE TRAFFIC SIGNAL TO ITS ORIGINAL CONDITION.




**LEGEND**

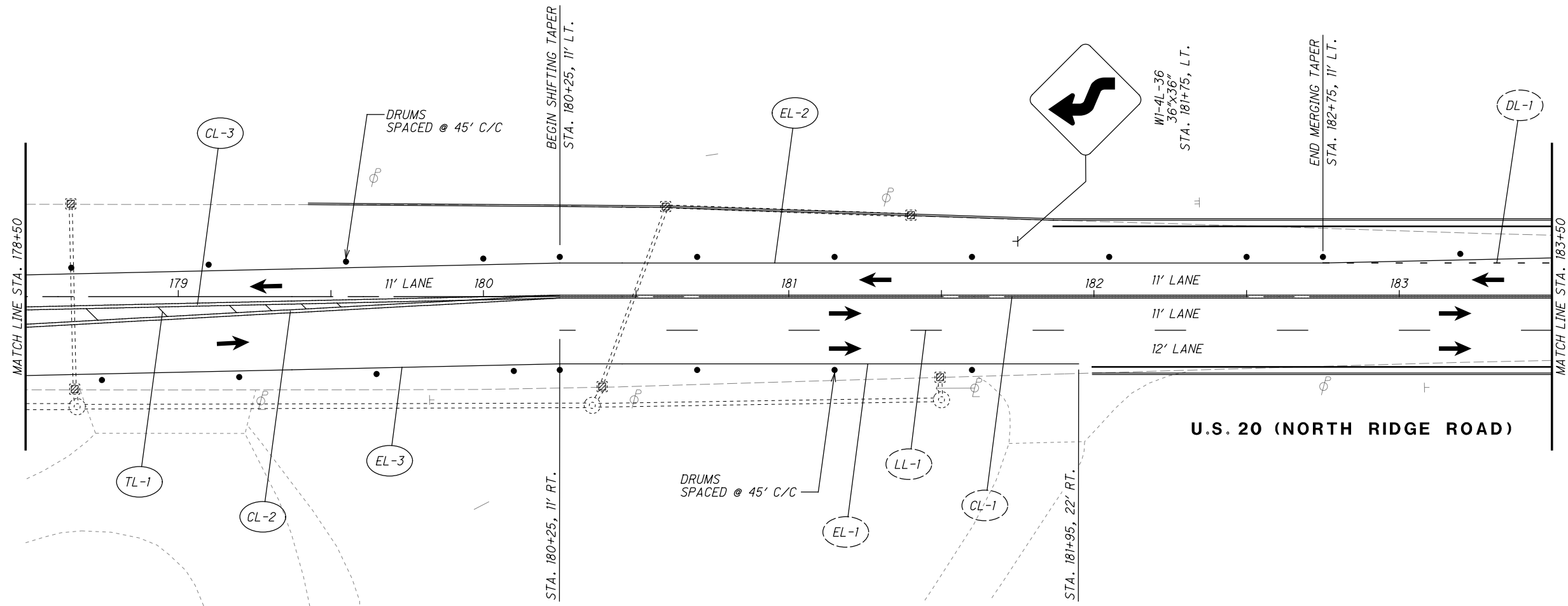
- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN












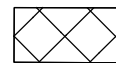
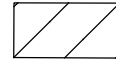

**LEGEND**

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

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- LEGEND**
-  MAINTENANCE OF TRAFFIC SIGN
  -  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
  -  EXISTING TRAFFIC SIGN



- LEGEND**
-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
  -  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
  -  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
  -  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
  -  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
  -  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
  -  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
  -  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
  -  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
  -  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
  -  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
  -  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
  -  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
  -  TRAFFIC FLOW

CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 178+50 TO STA. 183+50**

**LAK-US-20-19.59**  
**PART 1**

365  
1253



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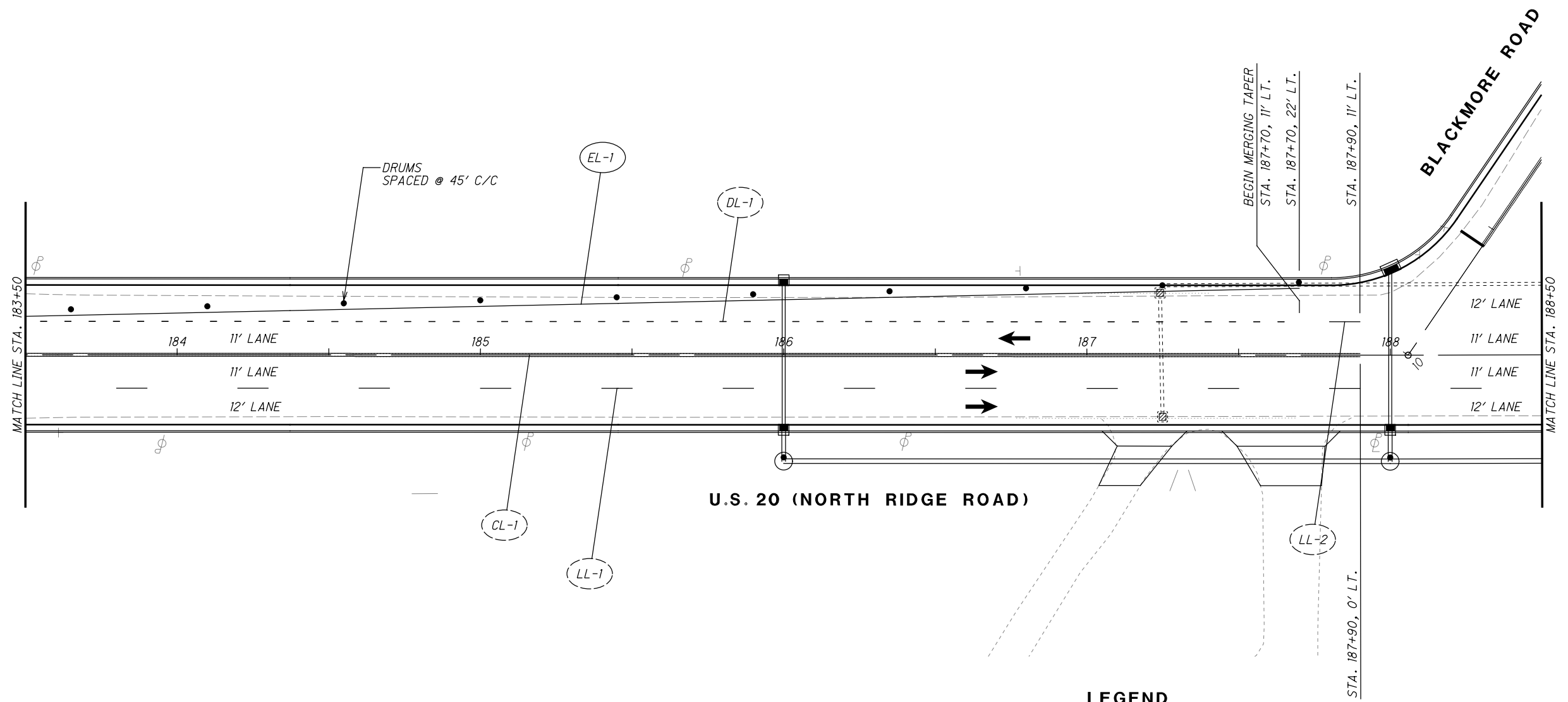
CALCULATED JDC CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 183+50 TO STA. 188+50**

**LAK-US-20-19.59**  
**PART 1**

366  
1253



**LEGEND**

- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW

DRUMS SPACED @ 45' C/C

EL-1

DL-1

BEGIN MERGING TAPER  
STA. 187+70, 11' LT.  
STA. 187+70, 22' LT.  
STA. 187+90, 11' LT.

**BLACKMORE ROAD**

**U.S. 20 (NORTH RIDGE ROAD)**

MATCH LINE STA. 183+50

MATCH LINE STA. 188+50

184 11' LANE  
11' LANE  
12' LANE

CL-1

LL-1

187

LL-2

STA. 187+90, 0' LT.

12' LANE  
11' LANE  
11' LANE  
12' LANE

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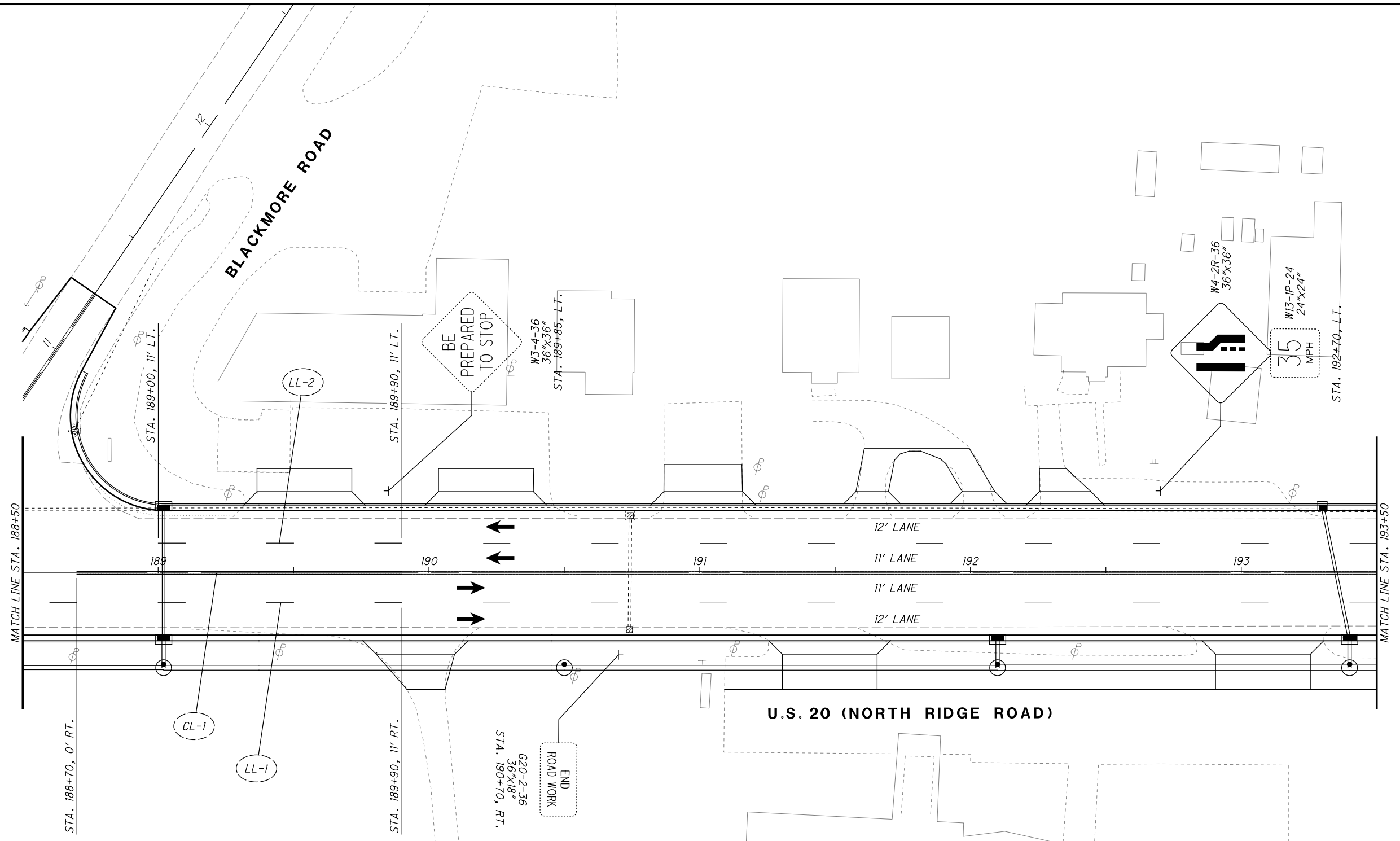
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0 10 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 188+50 TO STA. 193+50**

**LAK-US-20-19.59**  
**PART 1**

367  
1253



**LEGEND**

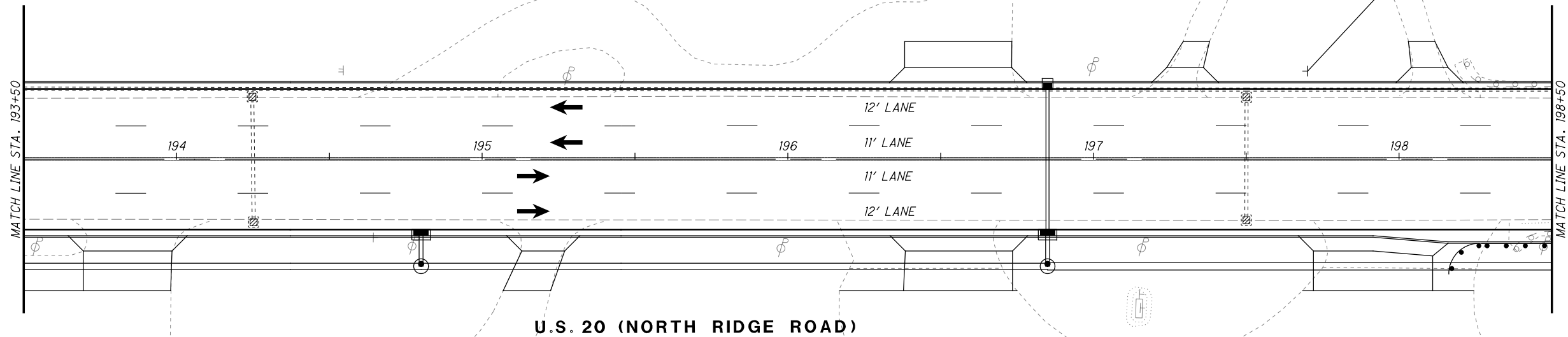
- MAINTENANCE OF TRAFFIC SIGN
- MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- EXISTING TRAFFIC SIGN

- ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT




**LEGEND**

- ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- TRAFFIC FLOW













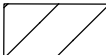

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
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-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



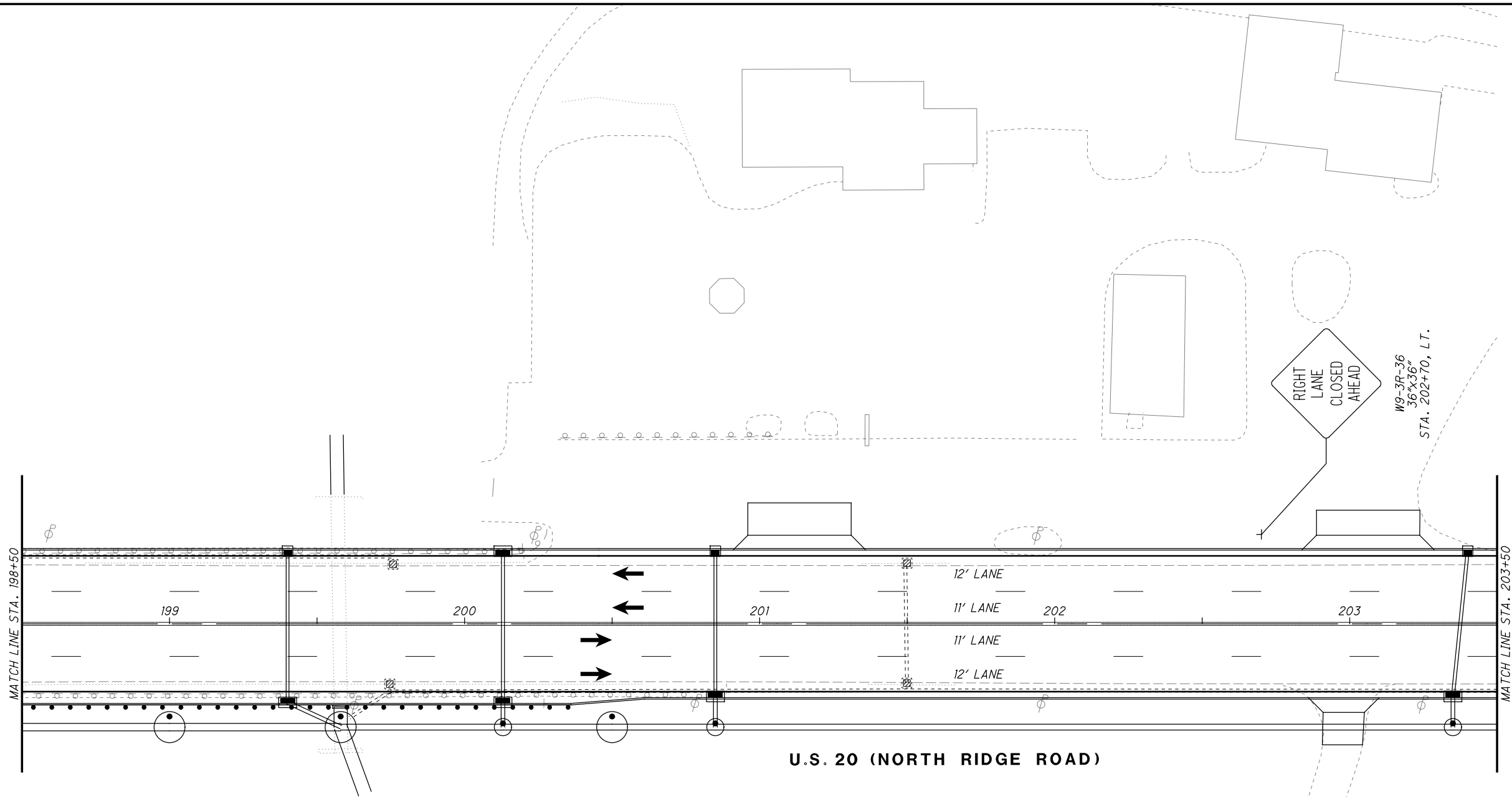
CALCULATED  
JDC  
CHECKED  
EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 193+50 TO STA. 198+50**




**LAK-US-20-19.59**  
**PART 1**

368  
1253













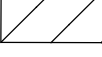

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
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-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



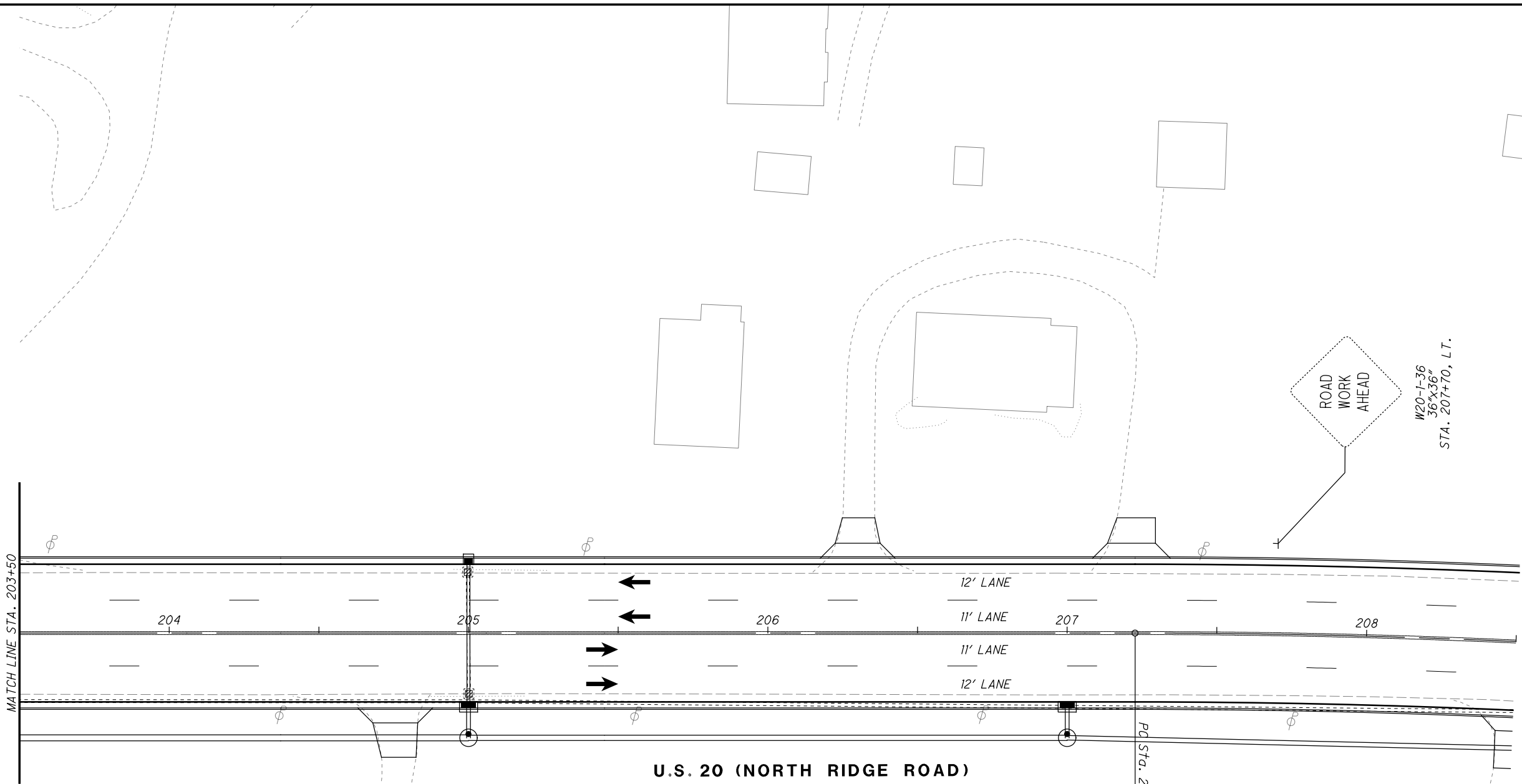
CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 198+50 TO STA. 203+50**




**LAK-US-20-19.59**  
**PART 1**








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1253

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

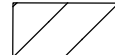



**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT

**LEGEND**

-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

CALCULATED  
JDC  
CHECKED  
EJT

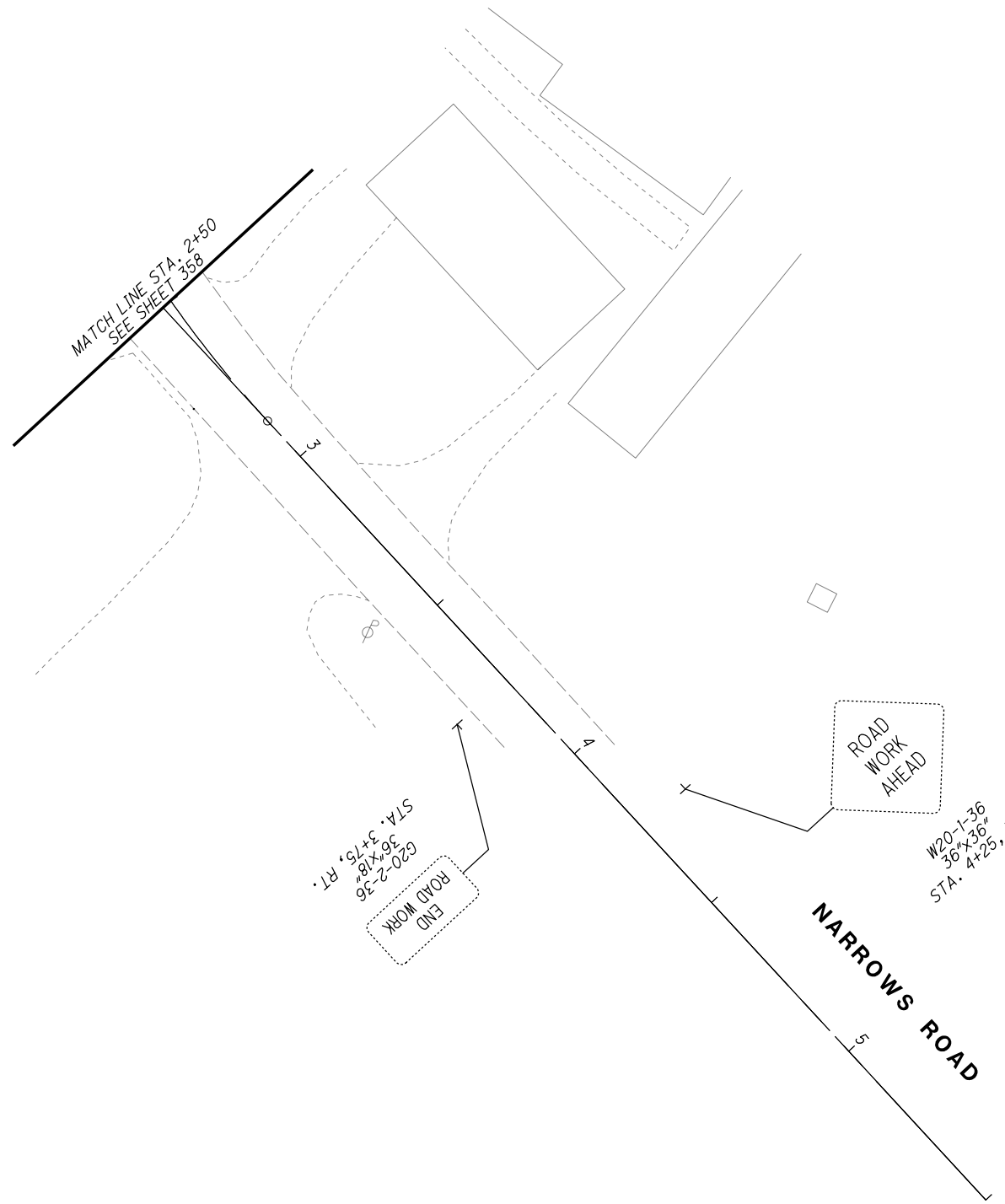
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**STA. 203+50 TO STA. 208+50**




**LAK-US-20-19.59**  
**PART 1**

370  
1253

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**LEGEND**















-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

CALCULATED JDC CHECKED EJT

40  
20  
0  
10  
HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6  
NARROWS ROAD**

**LEGEND**

- |  |   |
|--|---|
|  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       |  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
|  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
|  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         |  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
|  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT |  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
|  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        |  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
|  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         |  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
|  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    |  TRAFFIC FLOW  |

**LAK-US-20-19.59  
PART 1**

371  
1253

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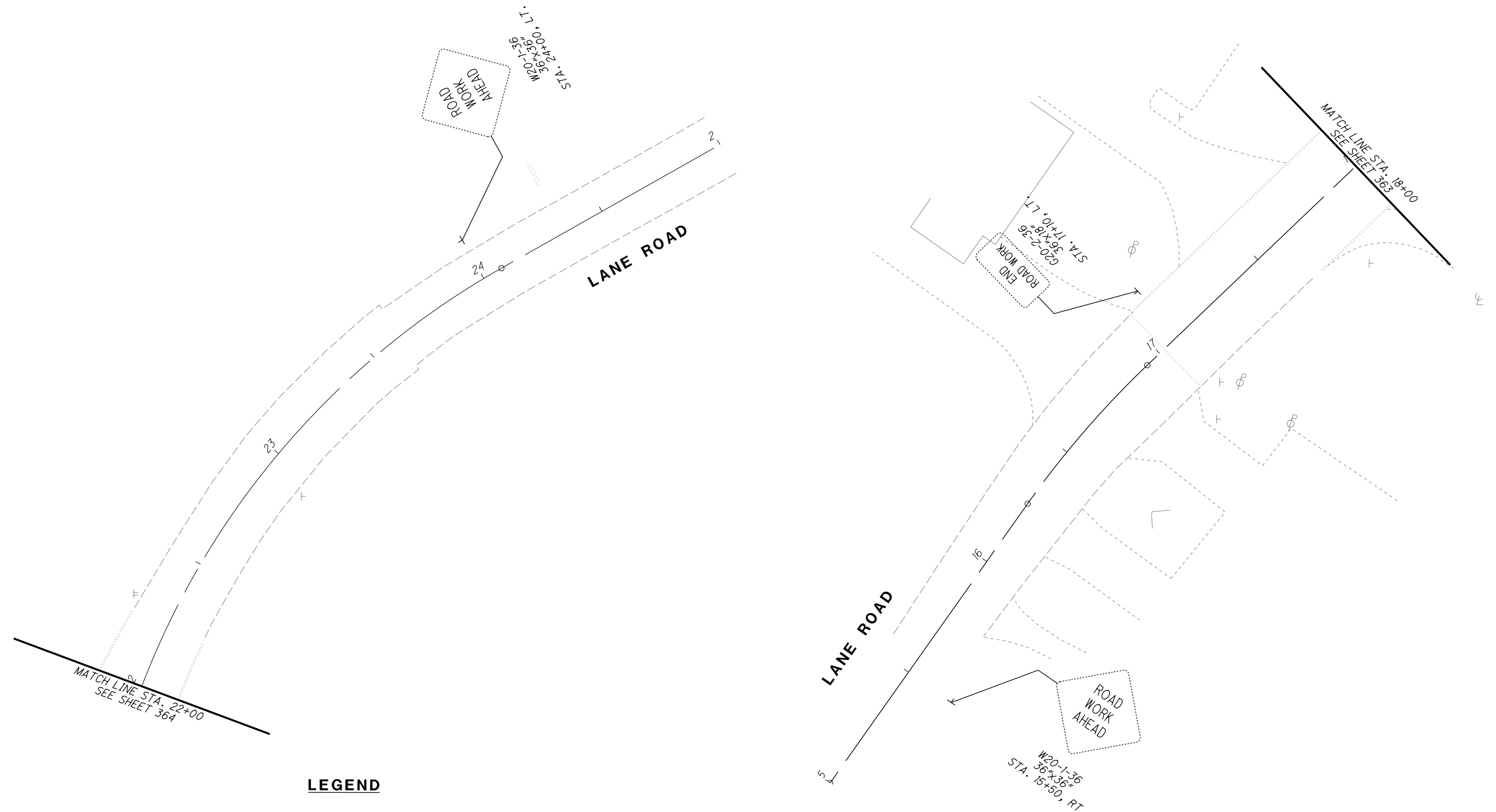
CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**LANE ROAD**

**LAK-US-20-19.59**  
**PART 1**

372  
1253






**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |















**LEGEND**

- (□) MAINTENANCE OF TRAFFIC SIGN
- (□) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- (□) EXISTING TRAFFIC SIGN

**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

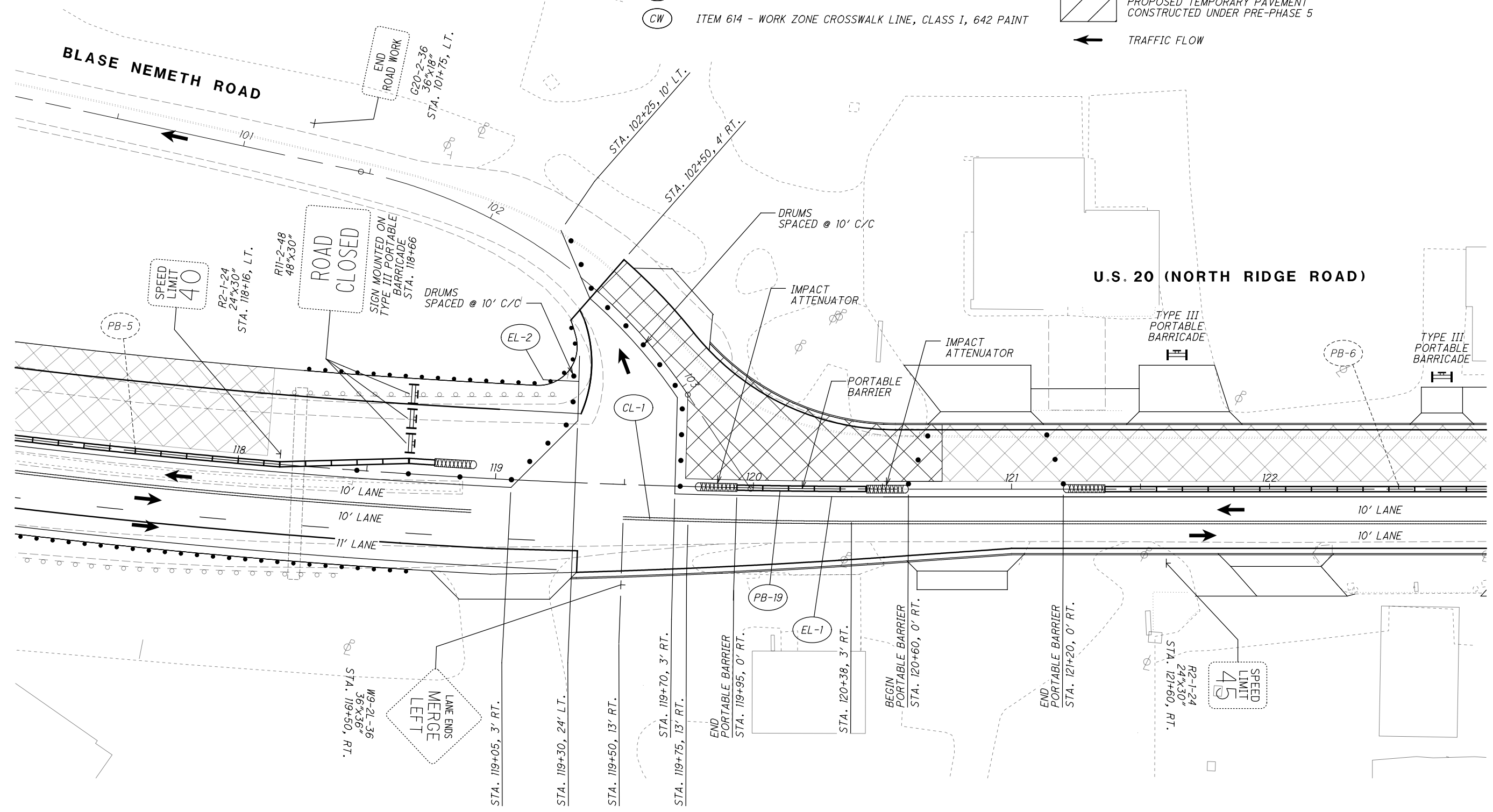
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-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



CALCULATED JDC  
 CHECKED EJT  
**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**BLASE NEMETH ROAD**

**LAK-US-20-19.59**  
**PART 1**

373  
 1253






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












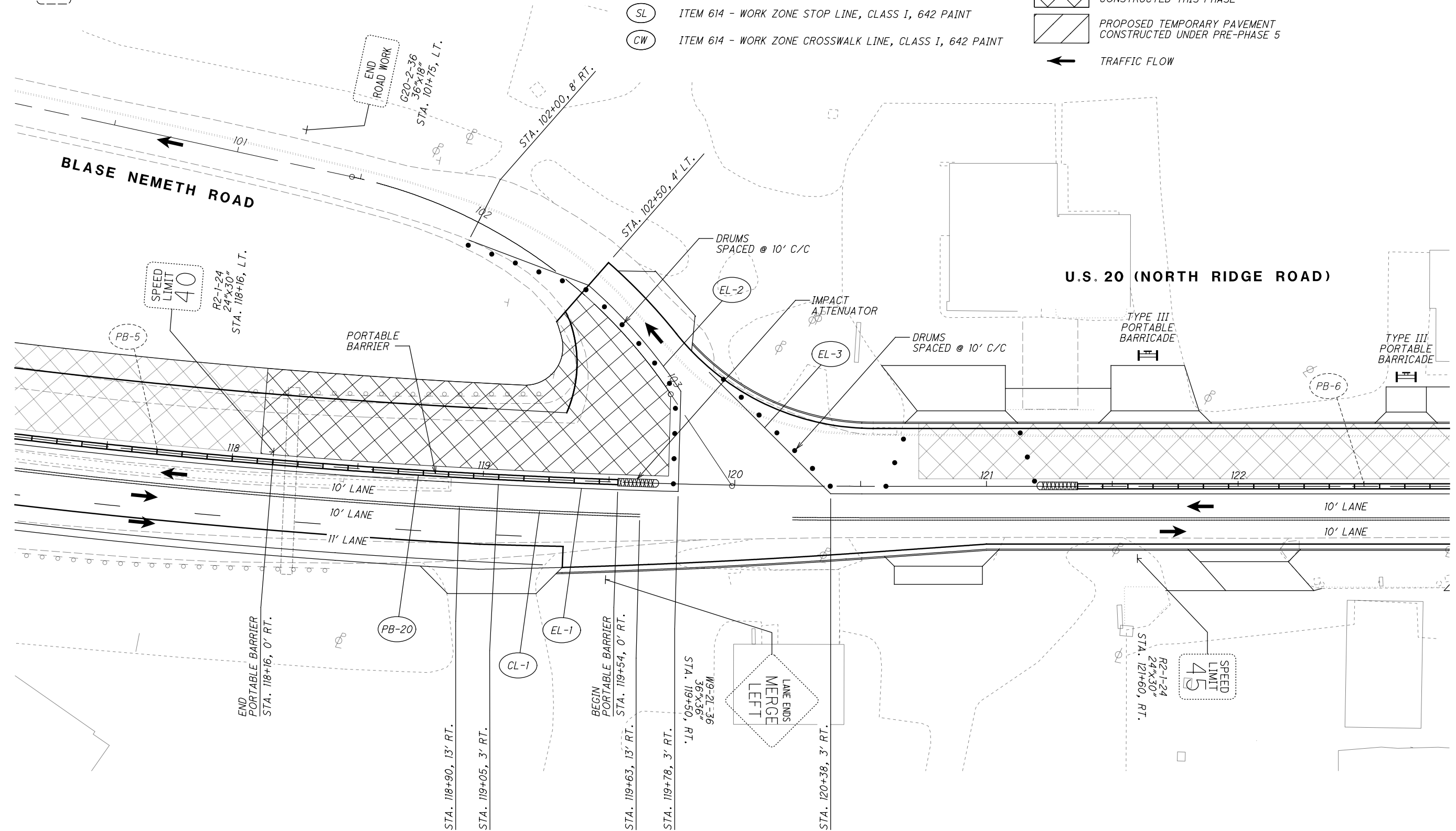
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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**BLASE NEMETH ROAD**

**LAK-US-20-19.59**  
**PART 1**

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CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**S.R. 2 WESTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

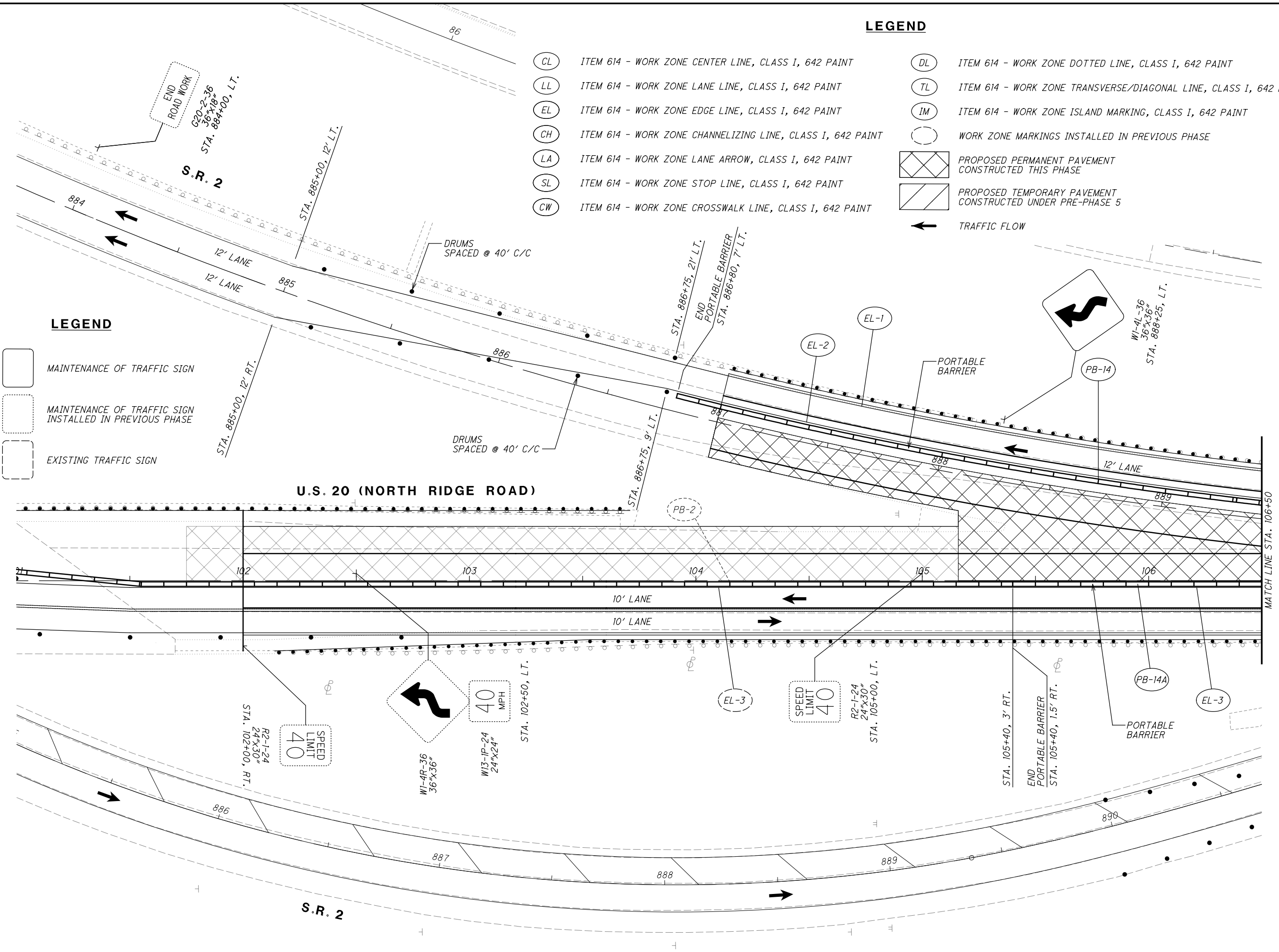
375  
1253

**LEGEND**

- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- (X) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- (/) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- ← TRAFFIC FLOW

**LEGEND**

- ( ) MAINTENANCE OF TRAFFIC SIGN
- ( ) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- ( ) EXISTING TRAFFIC SIGN






**U.S. 20 (NORTH RIDGE ROAD)**













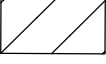

**S.R. 2**

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

CALCULATED JDC  
CHECKED EJT

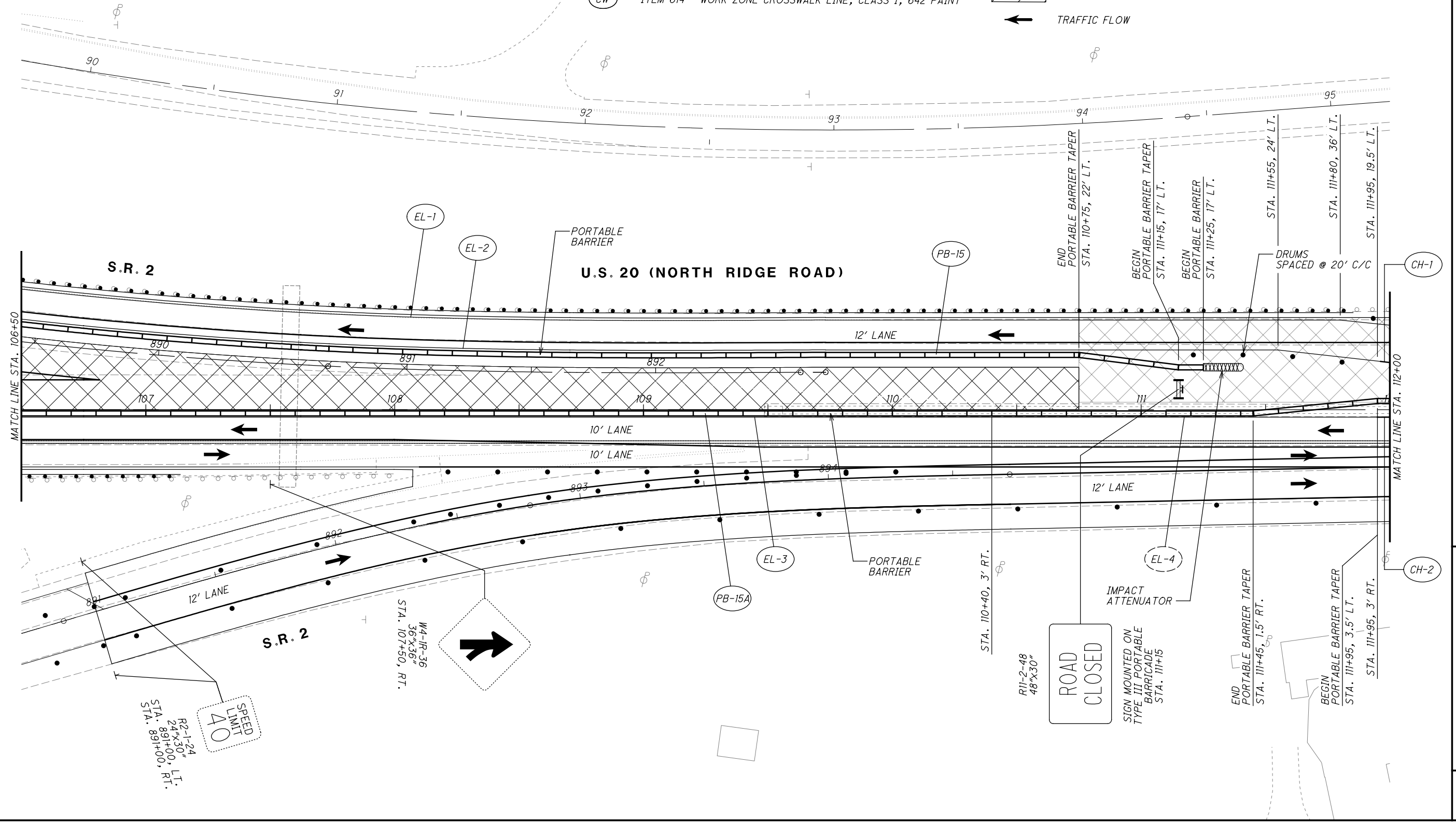



40  
20  
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HORIZONTAL  
SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**S.R. 2 WESTBOUND RAMP**




**LAK-US-20-19.59**  
**PART 1**

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1253

















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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

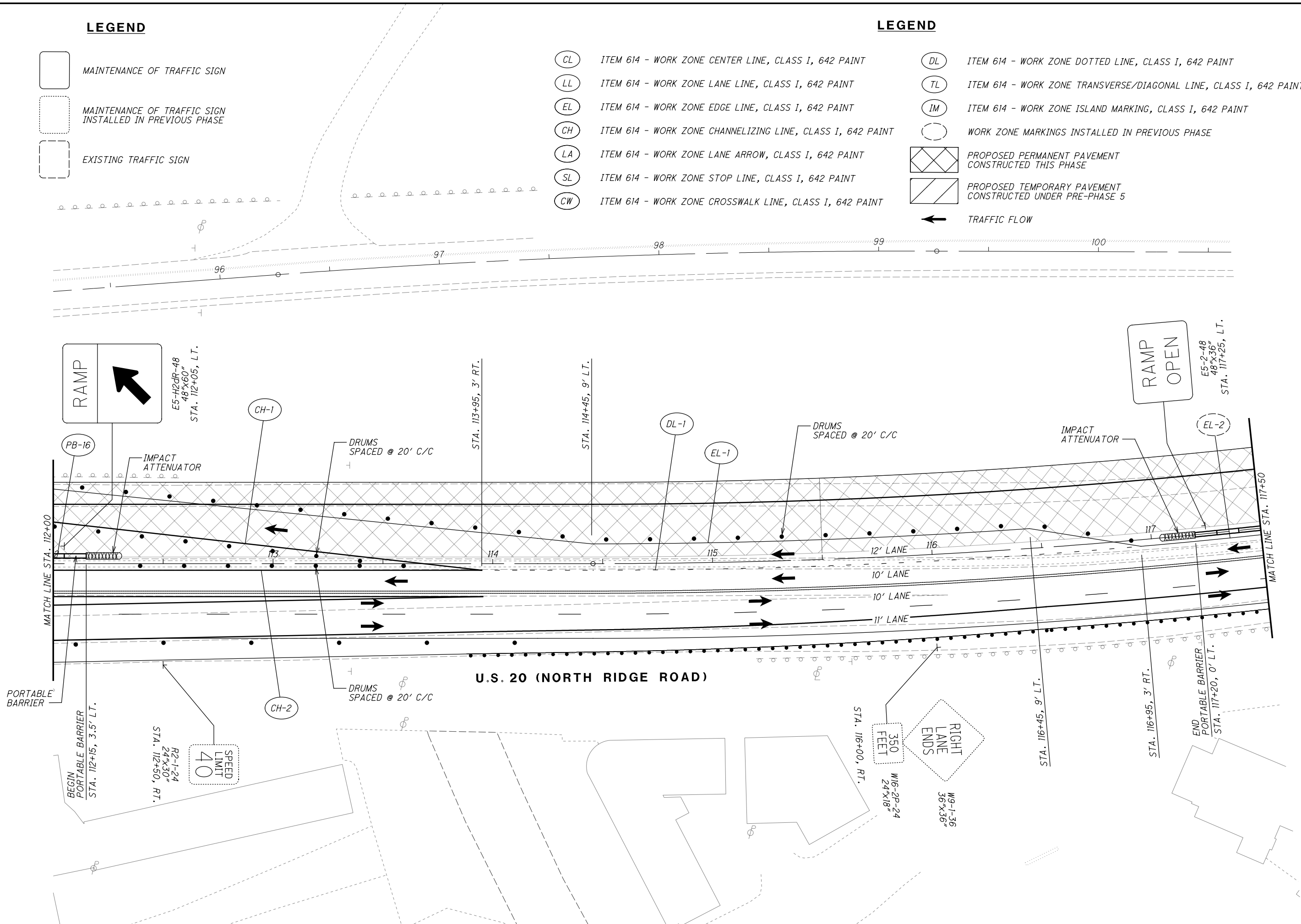
**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW

CALCULATED JDC  
CHECKED EJT




HORIZONTAL SCALE IN FEET



**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**S.R. 2 WESTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

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**BLASE NEMETH ROAD**

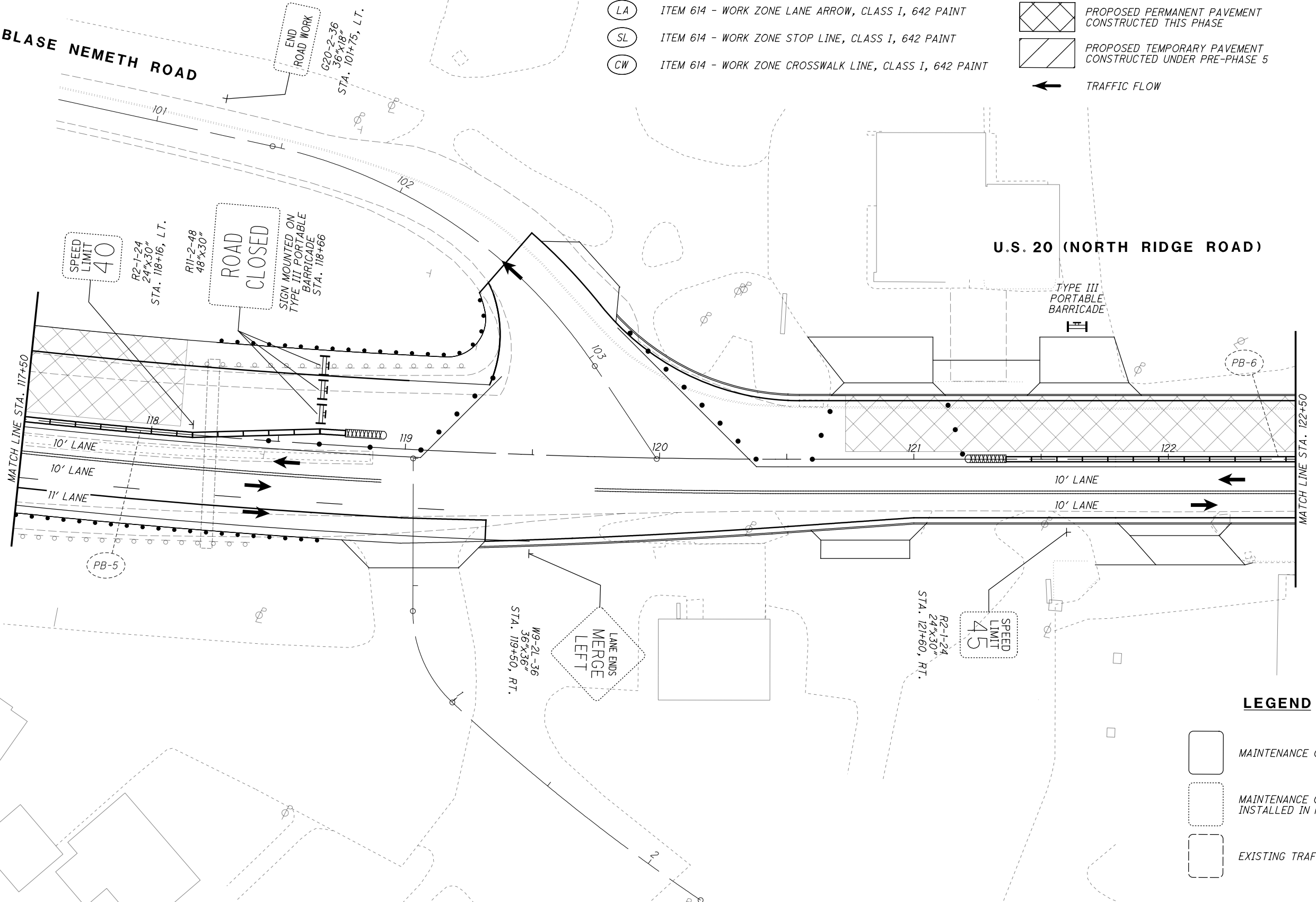
**U.S. 20 (NORTH RIDGE ROAD)**

**LEGEND**

- |      |  |      |   |
|------|--|------|---|
| (CL) | ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT       | (DL) | ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT              |
| (LL) | ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT         | (TL) | ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT |
| (EL) | ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT         | (IM) | ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT           |
| (CH) | ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT | (○)  | WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE                    |
| (LA) | ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT        | (X)  | PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE                |
| (SL) | ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT         | (/)  | PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5         |
| (CW) | ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT    | (←)  | TRAFFIC FLOW  |

CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET



**LEGEND**

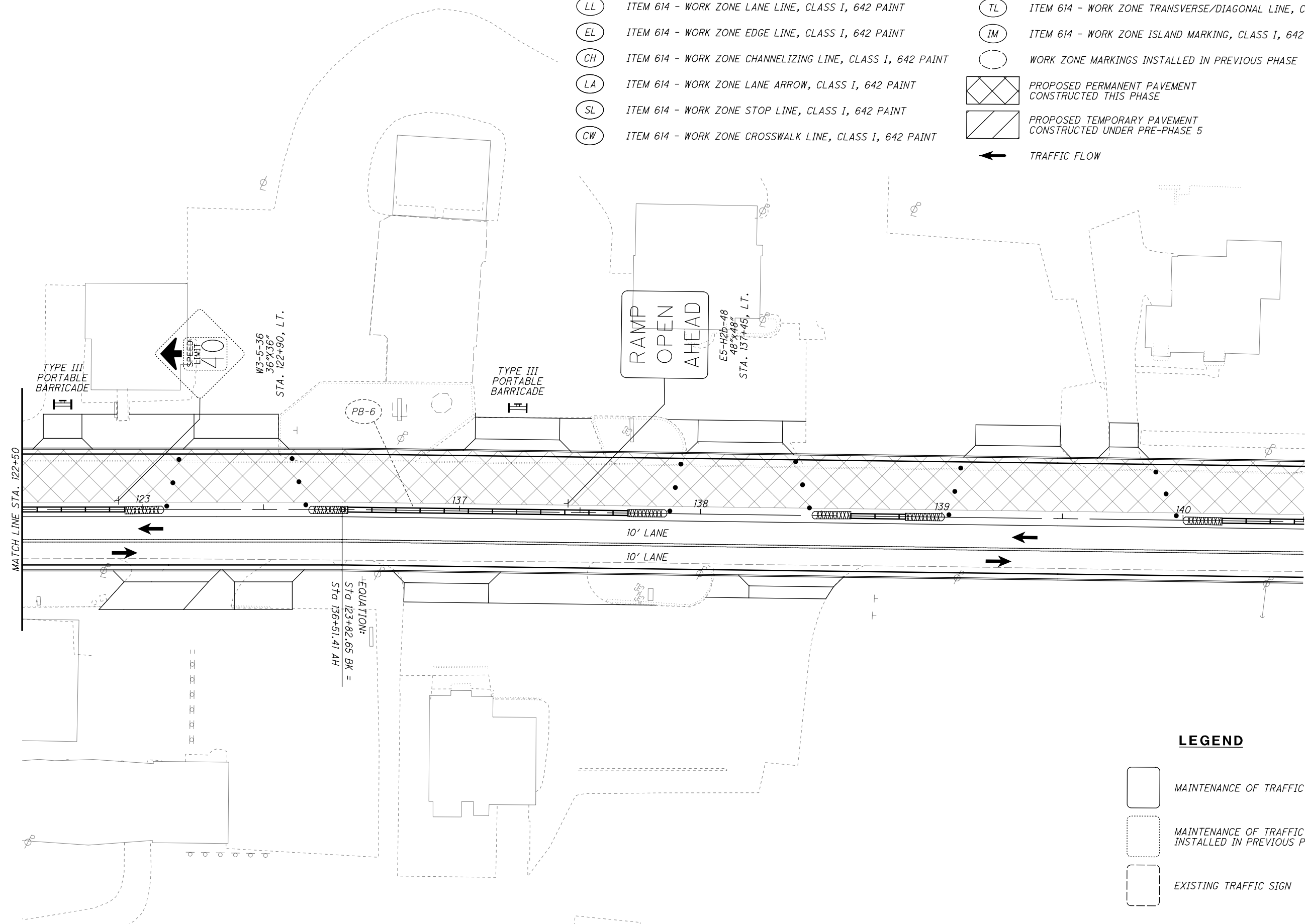
- |     |   |
|-----|---|
| (□) | MAINTENANCE OF TRAFFIC SIGN                             |
| (□) | MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE |
| (□) | EXISTING TRAFFIC SIGN                                   |

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**S.R. 2 WESTBOUND RAMP**

**LAK-US-20-19.59**  
**PART 1**

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**LEGEND**

- (CL) ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
- (LL) ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
- (EL) ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
- (CH) ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
- (LA) ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
- (SL) ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
- (CW) ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
- (DL) ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
- (TL) ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
- (IM) ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
- ( ) WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
- (X) PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
- (/) PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
- ← TRAFFIC FLOW

**LEGEND**

- ( ) MAINTENANCE OF TRAFFIC SIGN
- ( ) MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
- ( ) EXISTING TRAFFIC SIGN

CALCULATED JDC CHECKED EJT




0 20 40  
HORIZONTAL SCALE IN FEET

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**S.R. 2 WESTBOUND RAMP**














**LAK-US-20-19.59**  
**PART 1**

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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
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-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
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-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5

← TRAFFIC FLOW



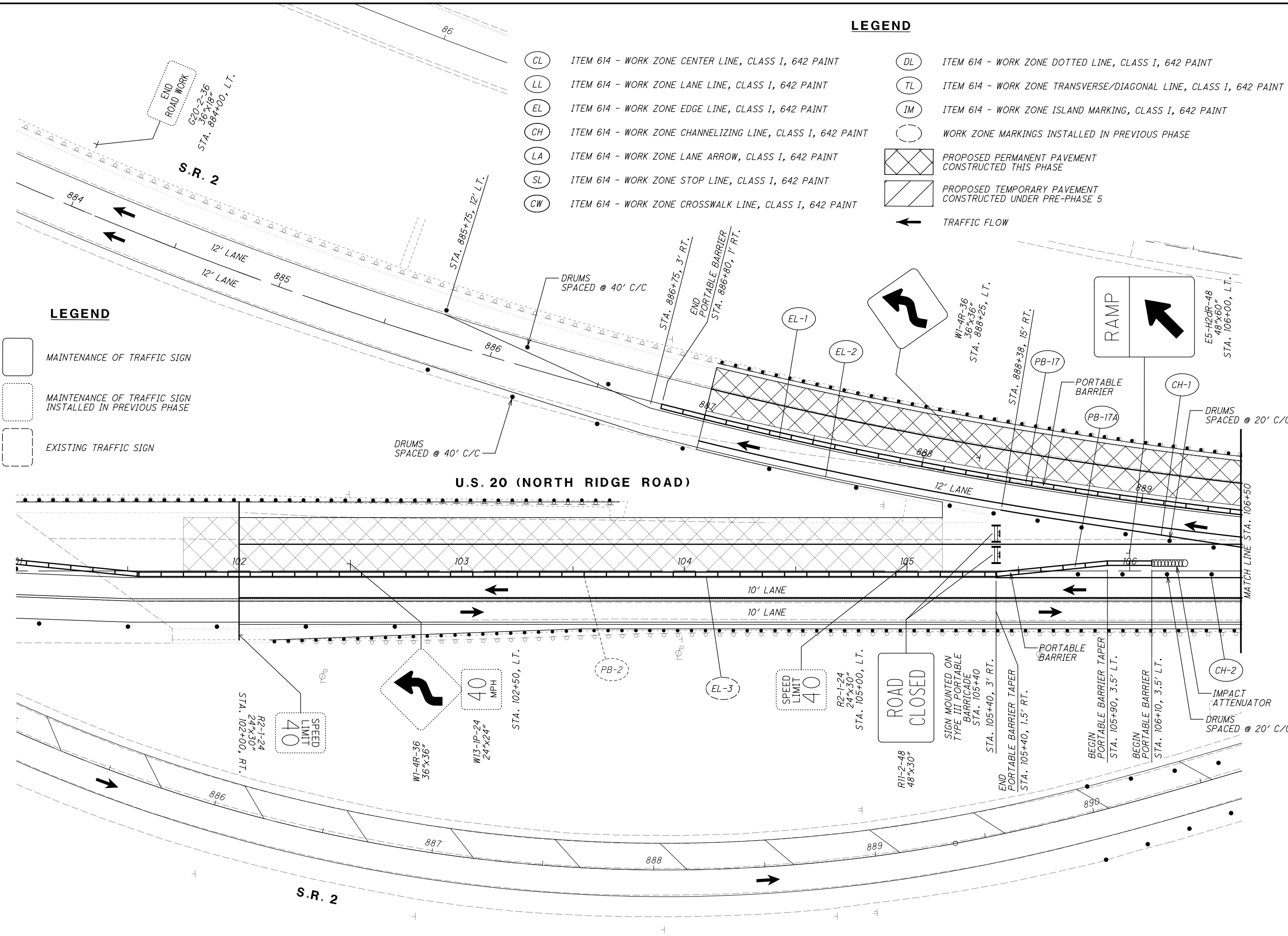

HORIZONTAL SCALE IN FEET

CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**S.R. 2 WESTBOUND RAMP**




**LAK-US-20-19.59**  
**PART 1**

380  
1253












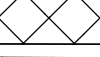
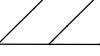



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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

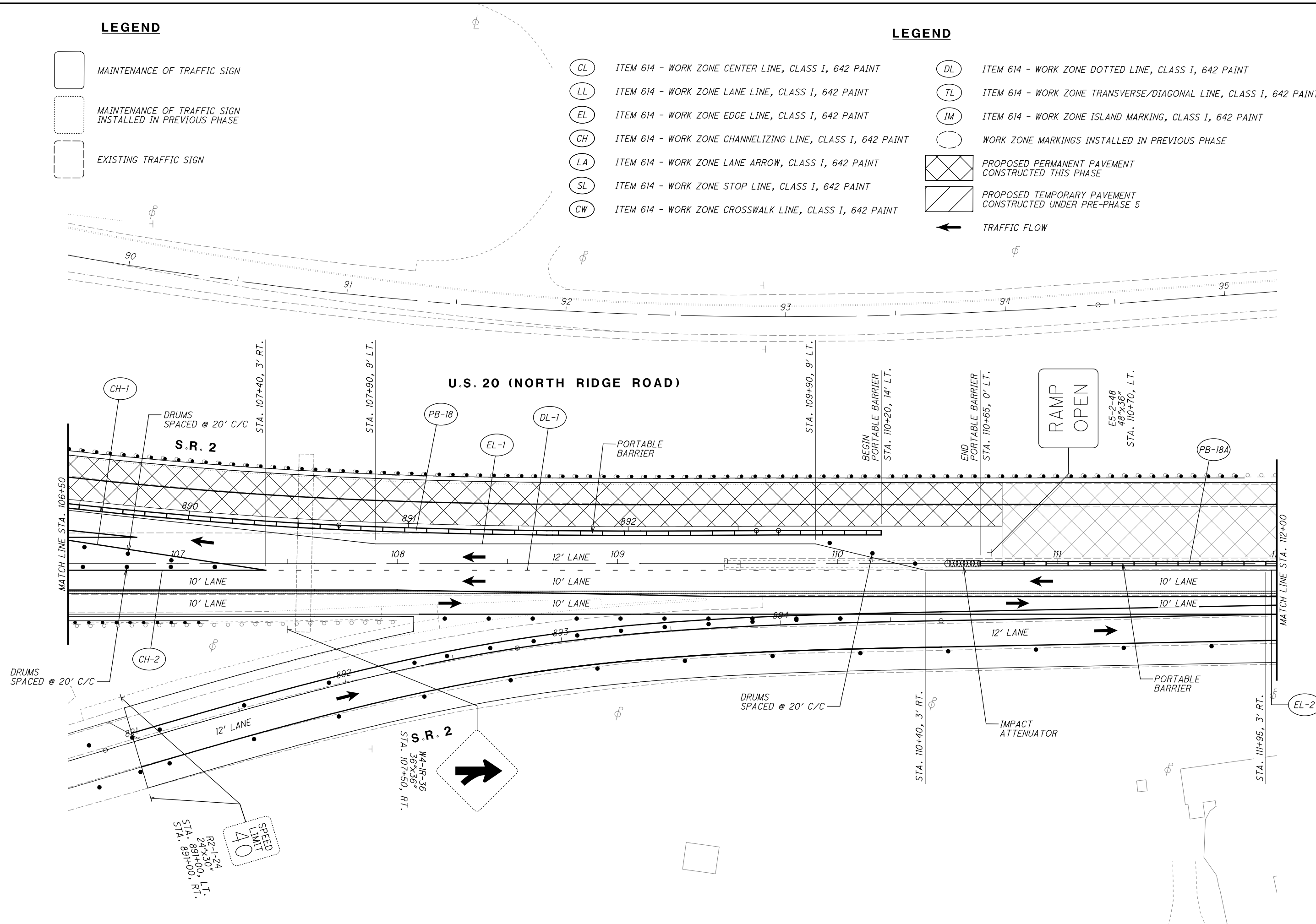
-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



**LAK-US-20-19.59 PART 1**

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**




381  
1253



















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**LEGEND**

-  MAINTENANCE OF TRAFFIC SIGN
-  MAINTENANCE OF TRAFFIC SIGN INSTALLED IN PREVIOUS PHASE
-  EXISTING TRAFFIC SIGN

**LEGEND**

-  ITEM 614 - WORK ZONE CENTER LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE LANE ARROW, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE STOP LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE CROSSWALK LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE DOTTED LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT
-  ITEM 614 - WORK ZONE ISLAND MARKING, CLASS I, 642 PAINT
-  WORK ZONE MARKINGS INSTALLED IN PREVIOUS PHASE
-  PROPOSED PERMANENT PAVEMENT CONSTRUCTED THIS PHASE
-  PROPOSED TEMPORARY PAVEMENT CONSTRUCTED UNDER PRE-PHASE 5
-  TRAFFIC FLOW



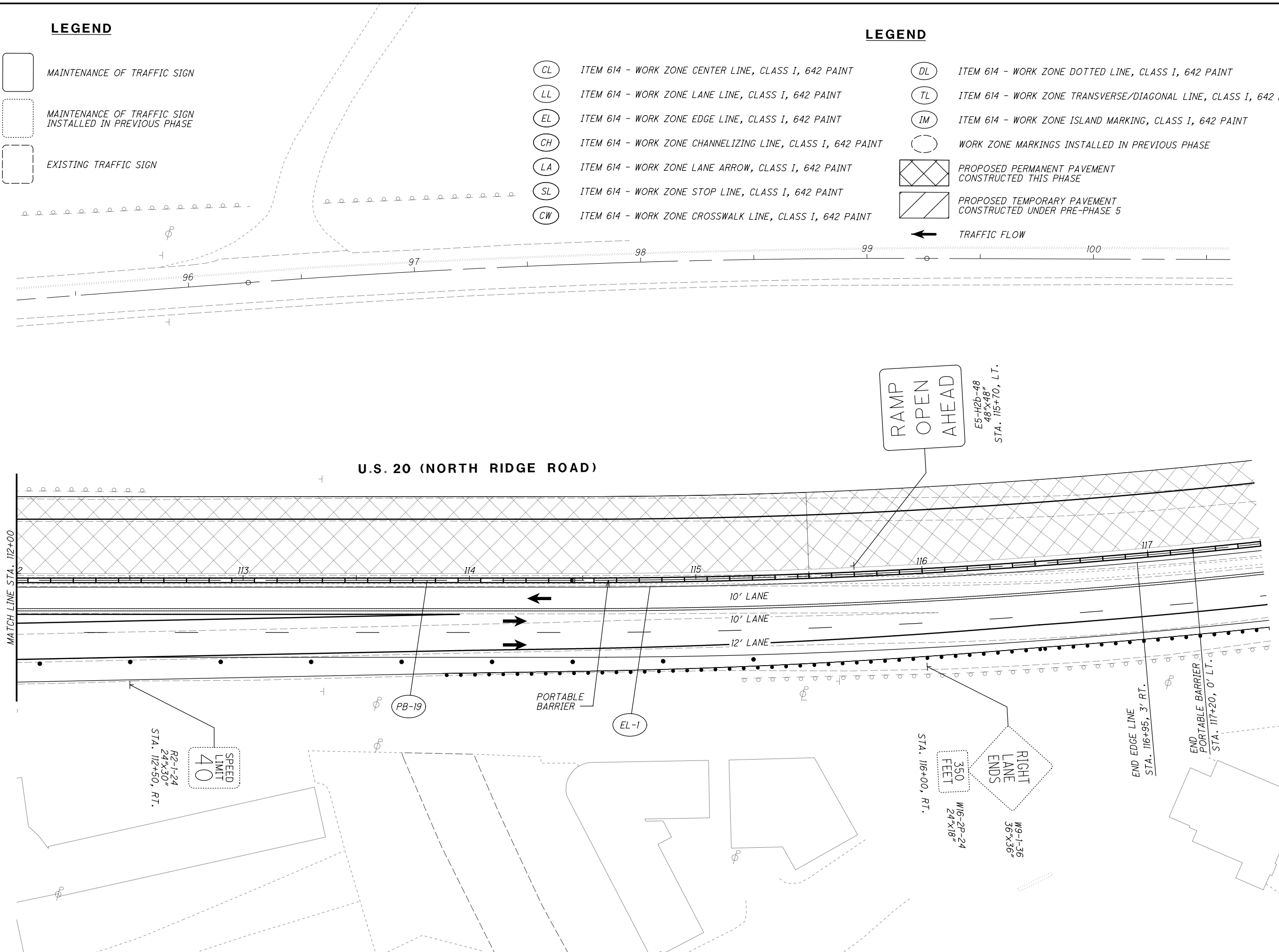

HORIZONTAL SCALE IN FEET

CALCULATED JDC  
CHECKED EJT

**MAINTENANCE OF TRAFFIC PLAN - PHASE 6**  
**S.R. 2 WESTBOUND RAMP**

**LAK-US-20-19.69**  
**PART 1**

382  
1253





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SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE	CALCULATED	EUT	CHECKED	JMP									
25	26						408	411	419	862	01/NHS/PV		EXT	TOTAL			SHEET													
<b>EROSION CONTROL</b>																														
								9			9	601	21050	9	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT														
										26	26	601	32004	26	CY	ROCK CHANNEL PROTECTION, TYPE A WITH GEOTEXTILE FABRIC														
							13				13	601	32104	13	CY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC														
							3				3	601	32204	3	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC														
	2										2	659	00100	2	EACH	SOIL ANALYSIS TEST														
	13,524										13,524	659	00300	13,524	CY	TOPSOIL														
	121,832										121,832	659	00500	121,832	SY	SEEDING AND MULCHING, CLASS 1														
	6,092										6,092	659	14000	6,092	SY	REPAIR SEEDING AND MULCHING														
	6,092										6,092	659	15000	6,092	SY	INTER-SEEDING														
	16.99										16.99	659	20000	16.99	TON	COMMERCIAL FERTILIZER														
	25.17										25.17	659	31000	25.17	ACRE	LIME														
	691										691	659	35000	691	MGAL	WATER														
								LS			LS	832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN														
								LS			LS	832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS														
								LS			LS	832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE														
								690,000			690,000	832	30000	690,000	EACH	EROSION CONTROL														
<b>DRAINAGE</b>																														
										LS	LS	503	11101	LS		COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN					25									
							3.5				4.1	7.6	602	20000	7.6	CY	CONCRETE MASONRY													
								160			160	605	11100	160	FT	6" SHALLOW PIPE UNDERDRAINS														
	500							53,273			53,273	605	14020	53,273	FT	6" UNCLASSIFIED PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC														
	250	200									450	605	31100	450	FT	AGGREGATE DRAINS														
								2,981			2,981	611	00510	2,981	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS														
		50									50	611	01500	50	FT	6" CONDUIT, TYPE F														
							24				24	611	01800	24	FT	8" CONDUIT, TYPE B														
							1,596				1,596	611	04401	1,596	FT	12" CONDUIT, TYPE B, AS PER PLAN, 748.01 OR 748.06					26									
		500									500	611	04600	500	FT	12" CONDUIT, TYPE C														
							4,739				4,739	611	05900	4,739	FT	15" CONDUIT, TYPE B														
							1,331				1,331	611	06100	1,331	FT	15" CONDUIT, TYPE C														
							1,633				1,633	611	07400	1,633	FT	18" CONDUIT, TYPE B														
							3,360				3,360	611	07600	3,360	FT	18" CONDUIT, TYPE C														
							480				480	611	08900	480	FT	21" CONDUIT, TYPE B														
							1,619				1,619	611	09100	1,619	FT	21" CONDUIT, TYPE C														
							3,318				3,318	611	10400	3,318	FT	24" CONDUIT, TYPE B														
							825				825	611	10600	825	FT	24" CONDUIT, TYPE C														
							415				415	611	13400	415	FT	30" CONDUIT, TYPE B														
							408				408	611	13600	408	FT	30" CONDUIT, TYPE C														
							800				800	611	16400	800	FT	36" CONDUIT, TYPE B														
							1,095				1,095	611	19400	1,095	FT	42" CONDUIT, TYPE B														
							1,385				1,385	611	19600	1,385	FT	42" CONDUIT, TYPE C														
							3,766				3,766	611	20900	3,766	FT	48" CONDUIT, TYPE B														
							1,474				1,474	611	21100	1,474	FT	48" CONDUIT, TYPE C														
							48				48	611	22200	48	FT	54" CONDUIT, TYPE A, 706.02														
										130	130	611	25000	130	FT	66" CONDUIT, TYPE A, 706.02, 707.35, 707.75, SS938 WITH WELDED BELL, OR 72" TYPE A, 707.01 (0.249) ALUMINIZED, 707.02 (0.109) ALUMINIZED, 707.04 (1") (0.109)														
		500									500	611	97400	500	FT	CONDUIT, MISC.: TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE					26									
		500									500	611	97400	500	FT	CONDUIT, MISC.: TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE					26									
							97				97	611	98150	97	EACH	CATCH BASIN, NO. 3														
							119				119	611	98180	119	EACH	CATCH BASIN, NO. 3A														
							5				5	611	98370	5	EACH	CATCH BASIN, NO. 6														
							4				4	611	98470	4	EACH	CATCH BASIN, NO. 2-2B														

**GENERAL SUMMARY**

LAK-US-20-19.59  
PART 1

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SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
25	26	27	398	399	400	408	411	418	761	862	01/NHS/PV	EXT	TOTAL					
<b>DRAINAGE</b>																		
45											45	611	98631	45	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	25	
5											5	611	98634	5	EACH	CATCH BASIN RECONSTRUCTED TO GRADE		
	5										5	611	98700	5	EACH	INLET, SIDE DITCH		
						2					2	611	98710	2	EACH	INLET, NO. 2-6		
						134					134	611	99574	134	EACH	MANHOLE, NO. 3		
						6					6	611	99586	6	EACH	MANHOLE, NO. 3 WITH 108" BASE I.D. AND 12" WEIR		
17											17	611	99655	17	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	25	
5											5	611	99660	5	EACH	MANHOLE RECONSTRUCTED TO GRADE		
							5				5	611	99710	5	EACH	PRECAST REINFORCED CONCRETE OUTLET		
	10										10	611	99720	10	EACH	INSPECTION WELL		
	10,000										10,000	SPECIAL	61199820	10,000	LB	MISCELLANEOUS METAL	26	
						6					6	895	10040	6	EACH	MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4		
<b>PAVEMENT</b>																		
	1,400										1,400	251	01000	1,400	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)		
								1,177	3,250		4,427	252	01500	4,427	FT	FULL DEPTH PAVEMENT SAWING		
								143,528			143,528	254	01000	143,528	SY	PAVEMENT PLANING, ASPHALT CONCRETE(T=1.5")		
								28,075			28,075	254	01000	28,075	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T=3.25")		
								784			894	301	56000	894	CY	ASPHALT CONCRETE BASE, PG64-22, (449)		
	110							23,164			23,164	301	56001	23,164	CY	ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG64-22	26	
									480		480	301	56100	480	CY	ASPHALT CONCRETE BASE, PG64-22, (449), (DRIVEWAYS)		
	110							27,528	861		28,499	304	20000	28,499	CY	AGGREGATE BASE		
								20,447	214		20,661	407	20000	20,661	GAL	NON-TRACKING TACK COAT		
								273			273	441	70000	273	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22		
								519			519	441	70300	519	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)		
									124		124	441	70500	124	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)		
			271								271	441	70801	271	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN	24	
								43,189			43,189	442	00100	43,189	CY	ANTI-SEGREGATION EQUIPMENT		
								6,265			6,265	442	10001	6,265	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG76-22M	26	
								13,761			13,761	442	10101	13,761	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN, PG64-28	26	
									1,964		1,964	452	10050	1,964	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS		
									3,545		3,545	452	12050	3,545	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS		
								475			475	452	13010	475	SY	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P		
								44,398			44,398	609	12000	44,398	FT	COMBINATION CURB AND GUTTER, TYPE 2		
								4,372			4,372	609	12001	4,372	FT	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	18	
								199			199	609	20000	199	FT	CURB, TYPE 3-A		
				400				1,550			1,950	609	26000	1,950	FT	CURB, TYPE 6		
								423			423	609	71000	423	SF	CONCRETE MEDIAN		
								104			104	617	10100	104	CY	COMPACTED AGGREGATE		
<b>WATER WORK</b>																		
		10									10	638	11101	10	EACH	METER AND CHAMBER REMOVED AND RESET, AS PER PLAN	27	
		10									28	SPECIAL	63820500	28	EACH	VALVE BOX ADJUSTED TO GRADE, LCDU STANDARD	27	
											42	SPECIAL	63820750	42	EACH	6" FIRE HYDRANT, LCDU STANDARD	27	
											42	SPECIAL	63820752	42	EACH	FIRE HYDRANT REMOVED FOR STORAGE, LCDU STANDARD	27	
		3,500									3,500	SPECIAL	63820770	3,500	FT	1" COPPER WATER SERVICE LINE, LCDU STANDARD	27	
		20									20	SPECIAL	63820902	20	EACH	SERVICE BOX ADJUSTED TO GRADE, LCDU STANDARD	27	

**GENERAL SUMMARY**

**LAK-US-20-19.59 PART 1**

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Table with columns: SHEET NUM., PART., ITEM, ITEM EXT, GRAND TOTAL, UNIT, DESCRIPTION, SEE SHEET NO. Rows include categories like SANITARY SEWER, TRAFFIC CONTROL, and TRAFFIC SIGNALS with various item details and quantities.

Summary table with columns: CALCULATED, EJT, CHECKED, JMP. Contains totals for various categories and a final total of 386/1253.

GENERAL SUMMARY

LAK-US-20-19.59 PART 1

386  
1253

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SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE	
									830	865	1030	01/NHS/PV	EXT	TOTAL			NO.	
<b>RETAINING WALLS</b>																		
										227		227	512	10100	227	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
										1,928		1,928	870	10001	1,928	SF	PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN	865
										593		593	870	11000	593	CY	WALL EXCAVATION	
										41		41	870	11100	41	CY	NATURAL SOIL	
										308		308	870	12000	308	FT	6" DRAINAGE PIPE, PERFORATED	
										29		29	870	12100	29	FT	6" DRAINAGE PIPE, NON-PERFORATED	
										2		2	870	14000	2	DAY	ON-SITE ASSISTANCE	
<b>STRUCTURE 20 FOOT SPAN AND UNDER (LAK-US-20-23.23,SFN 4302370)</b>																		
											LS	LS	202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	1030
											LS	LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
											LS	LS	503	21300	LS		UNCLASSIFIED EXCAVATION	
											11,721	11,721	509	10000	11,721	LB	EPOXY COATED REINFORCING STEEL	
											182	182	510	10000	182	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
											61	61	511	46000	61	SY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	
											49	49	511	46510	49	CY	CLASS QC1 CONCRETE, FOOTING	
											0.5	0.5	511	46610	0.5	CY	CLASS QC1 CONCRETE, HEADWALL	
											17	17	511	47010	17	CY	CLASS QC1 CONCRETE, CULVERT	
											46	46	512	10100	46	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
											50	50	512	33000	50	SY	TYPE 2 WATERPROOFING	
											38	38	516	13600	38	SF	1" PREFORMED EXPANSION JOINT FILLER	
											LS	LS	518	21230	LS		POROUS BACKFILL WITH GEOTEXTILE FABRIC	
<b>MISCELLANEOUS STRUCTURE</b>																		
										LS		LS	202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	856
										LS		LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
										LS		LS	503	21300	LS		UNCLASSIFIED EXCAVATION	
										2,705		2,705	509	10000	2,705	LB	EPOXY COATED REINFORCING STEEL	
										48		48	510	10000	48	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
										25		25	511	46000	25	SY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING	
										21		21	511	46510	21	CY	CLASS QC1 CONCRETE, FOOTING	
										0.5		0.5	511	46610	0.5	CY	CLASS QC1 CONCRETE, HEADWALL	
										31		31	512	10100	31	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
										28		28	512	33000	28	SY	TYPE 2 WATERPROOFING	
										16		16	516	13600	16	SF	1" PREFORMED EXPANSION JOINT FILLER	
										LS		LS	518	21230	LS		POROUS BACKFILL WITH GEOTEXTILE FABRIC	
										9		9	601	32104	9	CY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC	
										7		7	602	20000	7	CY	CONCRETE MASONRY	
										12		12	611	94910	12	FT	8' X 6' CONDUIT, TYPE A, 706.05	
										3		3	613	41300	3	CY	LOW STRENGTH MORTAR BACKFILL (TYPE 2)	

**GENERAL SUMMARY**

**LAK-US-20-19.59  
PART 1**

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SHEET NUM.													PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.		
		28	29	30	44	50	54	59	63	65	69	72	01/NHS/PV		EXT	TOTAL					
				3,860										410	12000	3,860	CY	<b>MAINTENANCE OF TRAFFIC</b>			
						1,013		613						606	15051	2,214	FT	TRAFFIC COMPACTED SURFACE, TYPE A OR B			
						1		1						606	26151	5	EACH	GUARDRAIL, TYPE MGS, AS PER PLAN		30	
						3		5						606	26551	9	EACH	ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN (MASH 2016)		30	
																		ANCHOR ASSEMBLY, MGS TYPE T, AS PER PLAN		30	
		45,200												45,200	21200	45,200	SF	TEMPORARY ASPHALT CONCRETE WALK			
						446		889						611	04401	1,483	FT	12" CONDUIT, TYPE B, AS PER PLAN		30	
														611	05901	39	FT	15" CONDUIT, TYPE B, AS PER PLAN		30	
						34								611	10401	34	FT	24" CONDUIT, TYPE B, AS PER PLAN		30	
						36		25						611	98371	68	EACH	CATCH BASIN, NO. 6, AS PER PLAN		32	
														611	98635	65	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN		30	
														611	99155	2	EACH	INLET RECONSTRUCTED TO GRADE, AS PER PLAN		30	
						1								611	99654	1	EACH	MANHOLE ADJUSTED TO GRADE			
			1,200											614	11110	1,200	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE			
		24												SPECIAL	61411300	24	EACH	WORK ZONE TRAFFIC SIGNAL		28	
					3	77	74	47	61	12	22	26		614	12384	322	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)			
					LS									614	12420	LS		DETOUR SIGNING			
					1,900									614	13000	1,900	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC			
						15	95	90	75	67	41	27	74		614	13310	484	EACH	BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)		
						15	95	90	75	67	41	27	74		614	13360	484	EACH	OBJECT MARKER, TWO WAY		
		120												614	18601	120	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN		28	
		11.18				0.62	0.21	0.61	0.22	0.15	0.61	0.14		614	20100	13.74	MILE	WORK ZONE LANE LINE, CLASS I, 4", 642 PAINT			
		10.63												614	20550	10.63	MILE	WORK ZONE LANE LINE, CLASS III, 4", 642 PAINT			
		6.62			1.38	3.59	3.24	3.23	2.74		1.95	1.58		614	21100	24.33	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT			
		6.39												614	21550	6.39	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT			
		1.28			1.09	5.53	3.2	5.2	3.01	1.82	2.85	2.95		614	22110	26.93	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT			
		2.53												614	22360	2.53	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT			
		3,156				894	835	775	1,258	577	619	2,742		614	23200	10,856	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT			
		4,463												614	23680	4,463	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT			
					1,800	990	540	1,040	50		612	1,440		614	24200	6,472	FT	WORK ZONE DOTTED LINE, CLASS I, 4", 642 PAINT			
		800												614	24610	800	FT	WORK ZONE DOTTED LINE, CLASS III, 4", 642 PAINT			
		742				288	304	329	379		170	216		614	25200	2,428	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I, 642 PAINT			
		642												614	25620	642	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT			
		693				310	203	258	150		92	73		614	26200	1,779	FT	WORK ZONE STOP LINE, CLASS I, 642 PAINT			
		572												614	26610	572	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT			
		2,665				623	45	1,135			517			614	27060	4,985	FT	WORK ZONE CROSSWALK LINE, CLASS I, 24", 642 PAINT			
		2,034												614	27250	2,034	FT	WORK ZONE CROSSWALK LINE, CLASS III, 12", 642 PAINT			
		72				18	17	19	24		5	14		614	30200	169	EACH	WORK ZONE ARROW, CLASS I, 642 PAINT			
		60												614	30650	60	EACH	WORK ZONE ARROW, CLASS III, 642 PAINT			
		37												614	32800	37	SF	WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT			
			120											614	40051	120	EACH	BUSINESS ENTRANCE SIGN, AS PER PLAN		29	
		LS												615	10000	LS		ROADS FOR MAINTAINING TRAFFIC			
					2,278	17,905		14,247			7,333			615	20001	41,763	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN		30	
		1,100												616	10000	1,100	MGAL	WATER			
					1,080	8,090	7,921	7,621	6,179	3,952	2,459	7,169		622	41100	44,471	FT	PORTABLE BARRIER, UNANCHORED			
		225												642	00720	225	FT	CHEVRON MARKING, TYPE 1			
														LS	108	10000	LS	<b>INCIDENTALS</b>			
		LS	LS	LS										614	11000	LS		CPM PROGRESS SCHEDULE			
														619	16020	36	MNTH	MAINTAINING TRAFFIC			
														623	10000	LS		FIELD OFFICE, TYPE C			
														624	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING			
														SPECIAL	69098400	LS		MOBILIZATION			
																		PRESONSTRUCTION VIDEO DOCUMENTATION		23	

**GENERAL SUMMARY**

**LAK-US-20-19.59 PART 1**

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	202	202	202	202	202	SPECIAL	202	202	202	202	202	202	202	202	202	202	202	202	SPECIAL	SPECIAL
					HEADWALL REMOVED EACH	CONCRETE MEDIAN REMOVED SY	PIPE REMOVED, 24" AND UNDER FT	PIPE REMOVED, OVER 24" FT	GUARDRAIL REMOVED FT	PARKING BLOCK REMOVED EACH	MAILBOX REMOVED EACH	MANHOLE REMOVED EACH	CATCH BASIN OR INLET REMOVED EACH	MONUMENT ASSEMBLY REMOVED EACH	FENCE REMOVED FT	REMOVAL MISC.:POST EACH	REMOVAL MISC.:BUSINESS SIGN EACH	REMOVAL MISC.:BOULDER EACH	REMOVAL MISC.:BOLLARD EACH	REMOVAL MISC.:CONCRETE BLOCK EACH	REMOVAL MISC.:LANDSCAPE LIGHT EACH	REMOVAL MISC.:LIGHT POLE EACH	REMOVAL MISC.:BUILDING FOUNDATION EACH	REMOVAL MISC.:STONE WALL FT
R1	426	100+83.41	TO	103+70.14	LT						287													
R2	426	102+10.69		107+99.56	RT						589													
R3	426	104+14.96		112+57.18	LT						850													
R4	426			105+21.69	LT			66					1											
R5	427	108+17.86		109+40.58	RT			67																
R6	427			108+99.93									1											
R7	427	106+50.72		109+24.87	RT																			
R8	427	109+48.56		118+88.35	LT/RT			522					1											
R9	428	115+19.89		118+41.41	RT						330													
R10	429	118+06.71		119+24.73	LT						116													
R11	429	118+61.08		118+82.90	RT										3									
R12	429	118+07.75		119+47.22	LT											146								
R13	429			119+47.54	RT								1			44								
R14	429	119+48.54		119+82.08	RT								1			33								
R15	429	120+21.25		120+30.07	RT																			
R16	430	119+47.22		120+57.43	LT																			
R17	430			135+47.96	RT																			
R18	430			135+57.64	LT																			
R19	430			136+29.15	LT																			
R20	430	120+57.43		136+50.82	LT																			
R21	430			136+50.42	RT																			
R22	430			136+74.64	LT																			
R23	430			137+57.46	LT																			
R24	430	137+62.66		137+89.70	LT																			
R25	430			137+71.26	LT																			
R26	430			137+79.70	RT																			
R27	430			137+84.19	RT																			
R28	431			139+62.40	LT																			
R29	431			139+98.81	LT																			
R30	431			140+99.12	RT																			
R31	431			142.09.41	LT																			
R32	432	144+45.27		149+27.35	LT																			
R33	432			144+44.51																				
R34	432			144+88.90	RT																			
R35	432			146+50.90	RT																			
R36	432			147+71.17	LT																			
R37	433	148+98.72		149+37.41	RT																			
R38	433	149+27.35		149+34.74	LT																			
R39	433			149+38.41	RT																			
R40	433			149+48.14	RT																			
R41	433			153+26.70	RT																			
R42	434			154+75.10	LT																			
R43	434	154+75.09		158+25.15	RT																			
R44	434	155+14.41		157+10.33	LT																			
R45	434			155+12.41	RT																			
R46	434			155+24.83	RT																			
R47	434	158+25.15		162+99.97	RT																			
SUBTOTALS CARRIED TO SHEET 397							589	2443			2172		6	1	14	2	210	7	12	4	1			6

**ROADWAY SUBSUMMARY**  
**LAK-US-20-19.59**  
**PART 1**

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	202	202	202	202	202	SPECIAL	202	202	202	202	202	202	202	202	202	202	202	202	SPECIAL	SPECIAL
					HEADWALL REMOVED EACH	CONCRETE MEDIAN REMOVED SY	PIPE REMOVED, 24" AND UNDER FT	PIPE REMOVED, OVER 24" FT	GUARDRAIL REMOVED FT	PARKING BLOCK REMOVED EACH	MAILBOX REMOVED EACH	MANHOLE REMOVED EACH	CATCH BASIN OR INLET REMOVED EACH	MONUMENT ASSEMBLY REMOVED EACH	FENCE REMOVED FT	REMOVAL MISC.:POST EACH	REMOVAL MISC.:BUSINESS SIGN EACH	REMOVAL MISC.:BOULDER EACH	REMOVAL MISC.:BOLLARD EACH	REMOVAL MISC.:CONCRETE BLOCK EACH	REMOVAL MISC.:LANDSCAPE LIGHT EACH	REMOVAL MISC.:LIGHT POLE EACH	REMOVAL MISC.:BUILDING FOUNDATION EACH	REMOVAL MISC.:STONE WALL FT
R48	435		TO	158+61.01	RT						1													1
R49	435			158+64.84	RT											1	6							
R50	435			159+24.12	RT						1													1
R51	435			160+57.37	RT						1													1
R52	435			161+50.68	RT									6										
R53	435			161+70.48	RT						1													1
R54	435			162.39.08	RT										1									
R55	435			162+99.86	LT			40					1											
R56	435	162+99.97		166+30.14	RT			330					1											
R57	435			163+42.77	RT										1									
R58	436			164+00.07	RT						1													1
R59	436			164+75.52	LT											1								
R60	436			166+29.52	RT																			
R61	436			166+30.14	RT																			
R62	436			166+30.23	RT																			
R63	436			166+30.42	LT																			
R64	436			166+30.50	LT																			
R65	436	NOT USED																						
R66	437	NOT USED																						
R67	437			173+09.97	RT																			
R68	439	NOT USED																						
R69	439	NOT USED																						
R70	440			187+24.95	RT																			
R71	440	187+24.10		190+74.33	LT																			
R72	440			187+99.78	RT						1													1
R73	440			188+05.89	LT/RT																			
R74	441			188+69.13	LT																			
R75	441			188+82.06	LT																			
R76	441			189+51.85	RT																			
R77	441			190+69.04	LT																			
R78	441			190+74.03	RT																			
R79	441	190+74.33		194+24.80	LT																			
R80	441			190+82.53	LT																			
R81	441			190+96.68	RT																			
R82	441			191+02.09	RT																			
R83	441			191+15.30	RT																			
R84	441			191+52.05	LT																			
R85	441			192+22.19	LT																			
R86	441			193+39.75	RT																			
R87	442	193+40.02		193+72.92	LT																			
R88	442			194+25.22	RT																			
R89	442	194+24.80		197+50.08	LT																			
R90	442			195+07.72	RT																			
R91	442			195+40.08	RT																			
R92	442			196+21.25	RT																			
R93	442			196+70.14	RT																			
R94	442			196+78.92	LT																			
R95	442			197+16.14	RT																			
R96	442			197+50.06	RT																			
R97	442	197+50.08		199+75.74	LT																			
SUBTOTALS CARRIED TO SHEET 397							1854				13	2	15	1	73	3	5	9					70	13

**ROADWAY SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	202	202	202	202	202	SPECIAL	202	202	202	202	202	202	202	202	202	202	202	202	SPECIAL	SPECIAL				
					HEADWALL REMOVED EACH	CONCRETE MEDIAN REMOVED SY	PIPE REMOVED, 24" AND UNDER FT	PIPE REMOVED, OVER 24" FT	GUARDRAIL REMOVED FT	PARKING BLOCK REMOVED EACH	MAILBOX REMOVED EACH	MANHOLE REMOVED EACH	CATCH BASIN OR INLET REMOVED EACH	MONUMENT ASSEMBLY REMOVED EACH	FENCE REMOVED FT	REMOVAL MISC.:POST EACH	REMOVAL MISC.:BUSINESS SIGN EACH	REMOVAL MISC.:BOULDER EACH	REMOVAL MISC.:BOLLARD EACH	REMOVAL MISC.:CONCRETE BLOCK EACH	REMOVAL MISC.:LANDSCAPE LIGHT EACH	REMOVAL MISC.:LIGHT POLE EACH	REMOVAL MISC.:BUILDING FOUNDATION EACH	REMOVAL MISC.:STONE WALL FT	REMOVAL MISC.:CONCRETE WALL FT	FILL AND PLUG EXISTING CONDUIT, 12" TO 36" DIA. FT	MAILBOX SUPPORT SYSTEM, SINGLE EACH	
R98	442		TO	197+68.76	RT																							
R99	442			197+96.93	LT						1													1				
R100	442	198+21.22		200+27.93	LT					217																		
R101	442			198+27.01	RT																							
R102	442	198+37.22		200+76.13	RT					242																		
R103	442			198+46.03	LT														1									
R104	443	199+60.97		199+74.65	RT			17																				
R105	443			199+75.74	LT																							
R106	443	200+29.52		202+55.41	LT																							
R107	443			201+49.96	LT																							
R108	443	199+74.65		201+49.93	RT			175																				
R109	443			202+77.70	RT						1													1				
R110	444			204+54.74	RT						1													1				
R111	444			204+99.72	LT																			1				
R112	444	201+49.93		205+00.11	RT			351																1				
R113	444			205+34.94	LT						1													1				
R114	444			205+72.84	LT																			1				
R115	444			206+98.13	LT						1													1				
R116	444			208+31.54	RT						1													1				
R117	445	205+00.11		208+64.08	RT			363																				
R118	445			209+23.79	LT						1													1				
R119	445			210+10.60	LT																			1				
R120	445			211+69.31	LT						1													1				
R121	445			211+74.73	LT			40																1				
R122	445	208+64.08		211+75.40	RT			310																1				
R123	445			211+76.41	LT																			1				
R124	445			211+96.84	LT																			1				
R125	445			212+33.36	RT						1													1				
R126	445			213+32.92	LT						1													1				
R127	446	216+23.47		216+85.89	LT																							
R128	446			216+81.53	LT																							
R129	446			216+88.18	RT																							
R130	446			216+99.81	LT			40																				
R131	446	217+00.18		220+00.83	RT			301																				
R132	446			217+23.19	RT																							
R133	446	217+31.16		217+53.26	LT																							
R134	446			217+36.00	LT																							
R135	446			217+45.29	LT																							
R136	446	217+41.53		218+30.05	RT					90																		
R137	447			218+54.37	RT																							
R138	447			218+69.73	RT																							
R139	447			219+28.58	RT																							
R140	447			219+64.57	LT																							
R141	447			219+71.96	LT																							
R142	447			220+00.27	LT																							
R143	447	220+00.83		223+00.57	RT			40																				
R144	447			220+22.12	LT			300																				
R145	447			220+77.66	LT																							
R146	447			220+81.76	LT																							
R147	447			222+39.23	LT																							
R148	447			222+66.36	RT						1																	
R149	447			223+00.39	LT			40																				
SUBTOTALS CARRIED TO SHEET 397							2057		549		16		13		147	6		2		4		24		3				16

**ROADWAY SUBSUMMARY**

**LAK-US-20-19.59  
PART 1**

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	202	202	202	202	202	SPECIAL	202	202	202	202	202	202	202	202	202	202	202	202	SPECIAL	SPECIAL			
					HEADWALL REMOVED EACH	CONCRETE MEDIAN REMOVED SY	PIPE REMOVED, 24" AND UNDER FT	PIPE REMOVED, OVER 24" FT	GUARDRAIL REMOVED FT	PARKING BLOCK REMOVED EACH	MAILBOX REMOVED EACH	MANHOLE REMOVED EACH	CATCH BASIN OR INLET REMOVED EACH	MONUMENT ASSEMBLY REMOVED EACH	FENCE REMOVED FT	REMOVAL MISC.:POST EACH	REMOVAL MISC.:BUSINESS SIGN EACH	REMOVAL MISC.:BOULDER EACH	REMOVAL MISC.:BOLLARD EACH	REMOVAL MISC.:CONCRETE BLOCK EACH	REMOVAL MISC.:LANDSCAPE LIGHT EACH	REMOVAL MISC.:LIGHT POLE EACH	REMOVAL MISC.:BUILDING FOUNDATION EACH	REMOVAL MISC.:STONE WALL FT	REMOVAL MISC.:CONCRETE WALL FT	FILL AND PLUG EXISTING CONDUIT, 12" TO 36" DIA. FT	MAILBOX SUPPORT SYSTEM, SINGLE EACH
R150	447	223+00.57	TO	226+15.41	RT																						
R151	447			223+26.26	LT			315					1														
R152	448			224+49.68	LT							1												1			
R153	448			224+62.32	RT							1												1			
R154	448			226+15.41	RT								1														
R155	448			226+16.00	LT								1														
R156	448			226+14.62	LT																		1				
R157	854			226+39.92	LT	1																					
R158	448			226+21.89	LT																						
R159	448			226+84.80	RT							1												1			
R160	448			227+52.86	LT							1												1			
R161	448			227+54.39	RT																						
R162	448			227+58.87	LT																						
R163	448			227+68.41	LT																						
R164	448			228+25.07	RT							1												1			
R165	449			229+02.91	LT																						
R166	449			229+07.31	LT																						
R167	449			229+10.33	LT																						
R168	449			229+21.60	LT								1														
R169	449	226+15.41		229+99.79	RT																						
R170	449			230+30.29	LT																						
R171	449			231+08.47	RT																						
R172	450			233+52.14	LT							1												1			
R173	450			233+85.03	LT/RT								1														
R174	450			235+53.54	LT																						
R175	450			235+57.75	LT																						
R176	450			235+62.83	LT																						
R177	450			235+68.66	LT							3												3			
R178	450	235+69.51		236+96.82	LT																						
R179	450			236+00.55	RT																						
R180	450	236+19.26		236+33.50	RT																						
R181	450			236+26.04	RT																						
R182	450			236+39.12	RT																						
R183	450			236+84.26	LT																						
R184	450			237+75.59	LT																						
R185	450			237+86.17	RT																						
R186	450			237+85.69	RT																						
R187	450	237+84.70		240+49.52	LT																						
R188	451			239+53.65	RT																						
R189	451			239+89.37	LT																						
R190	451			240+50.14	RT							1												1			
R191	451	240+49.52		243+48.68	LT																						
R192	451	240+50.05		242+37.89	RT																						
R193	451			243+49.82	RT																						
R194	451	243+48.68		245+99.55	LT																						
R195	452			243+87.06	RT																						
R196	452			244+10.92	LT																						
R197	452			244+14.43	LT																						
R198	452			244+16.41	LT																						
R199	452			244+64.00	LT																						
R200	452			245+23.68	LT																						
SUBTOTALS CARRIED TO SHEET 397						1		2063				15		11	2	329	5	7	3	2			8	1	1		15

**ROADWAY SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	202	202	202	202	202	SPECIAL	202	202	202	202	202	202	202	202	202	202	202	202	SPECIAL	SPECIAL
					HEADWALL REMOVED EACH	CONCRETE MEDIAN REMOVED SY	PIPE REMOVED, 24" AND UNDER FT	PIPE REMOVED, OVER 24" FT	GUARDRAIL REMOVED FT	PARKING BLOCK REMOVED EACH	MAILBOX REMOVED EACH	MANHOLE REMOVED EACH	CATCH BASIN OR INLET REMOVED EACH	MONUMENT ASSEMBLY REMOVED EACH	FENCE REMOVED FT	REMOVAL MISC.:POST EACH	REMOVAL MISC.:BUSINESS SIGN EACH	REMOVAL MISC.:BOULDER EACH	REMOVAL MISC.:BOLLARD EACH	REMOVAL MISC.:CONCRETE BLOCK EACH	REMOVAL MISC.:LANDSCAPE LIGHT EACH	REMOVAL MISC.:LIGHT POLE EACH	REMOVAL MISC.:BUILDING FOUNDATION EACH	REMOVAL MISC.:STONE WALL FT
R201	452		TO	245+39.17	LT																			
R202	452			245+40.62	RT						1													1
R203	452			245+72.94	LT												1							
R204	452			246+00.23	RT			40					1											
R205	452	245+99.55		247+99.63	LT			200					1											
R206	452			246+10.03	LT						1						1							1
R207	452			248+00.01	RT			40					1											
R208	452	247+99.63		252+59.47	LT			460					1											
R209	453			249+13.52	LT							1												1
R210	453			249+55.28	LT																			
R211	453			249+78.81	LT																			
R212	453			250+40.69	LT																			
R213	453			250+90.17	LT																			
R214	453			251+27.77	LT																			1
R215	453			251+94.40	LT																			
R216	453	251+59.11		252+30.90	LT					8														
R217	453			252+58.58	RT			40					1											
R218	453	252+59.47		254+05.19	LT			146					1											
R219	453	252+58.05		254+76.86	LT							85												
R220	453	252+13.48		256+04.09	RT							391												
R221	454			254+05.19	LT								1											
R222	454			254+08.71	RT								1											
R223	454			254+99.37	LT						1													1
R224	454			255+49.33	LT			40					1											
R225	454	254+08.66		255+49.39	RT			141					1											
R226	454			257+05.31	LT						1													1
R227	454			258+25.14	LT			40					1											
R228	454	255+49.39		258+25.09	RT			276					1											
R229	454	258+43.26		258+82.88	RT									40										
R230	455			259+00.52	LT																			
R231	455			260+71.30	LT																			
R232	455			260+87.53	LT																			1
R233	455			261+25.51	LT			40					1											
R234	455	258+25.09		261+25.09	RT			300					1											
R235	456			264+25.00	LT			40					1											
R236	456	261+25.09		264+24.73	RT			300					1											
R237	456			264+40.09	LT																			1
R238	456			266+06.73	LT/RT																			
R239	456	266+84.03		269+31.72	LT																			
R240	456			267+24.76	LT			40					1											
R241	457	268+51.76		271+21.64	RT																			
R242	457			270+00.03	LT																			
R243	457			270+00.01	LT																			
R244	457	264+24.73		269+99.85	RT			573					1											
R245	457			270+34.35	LT																			1
R246	457			270+82.46	RT																			
R247	458			274+10.78	LT								1											1
R248	458	NOT USED																						
SUBTOTALS CARRIED TO SHEET 397							2756		724	8	10		19	1	40	42	5	2	2					10

**ROADWAY SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
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REF NO.	SHEET NO.	STATION TO STATION		SIDE	202	202	202	202	202	SPECIAL	202	202	202	202	202	202	202	202	202	202	202	202	SPECIAL	SPECIAL
					HEADWALL REMOVED EACH	CONCRETE MEDIAN REMOVED SY	PIPE REMOVED, 24" AND UNDER FT	PIPE REMOVED, OVER 24" FT	GUARDRAIL REMOVED FT	PARKING BLOCK REMOVED EACH	MAILBOX REMOVED EACH	MANHOLE REMOVED EACH	CATCH BASIN OR INLET REMOVED EACH	MONUMENT ASSEMBLY REMOVED EACH	FENCE REMOVED FT	REMOVAL MISC.:POST EACH	REMOVAL MISC.:BUSINESS SIGN EACH	REMOVAL MISC.:BOULDER EACH	REMOVAL MISC.:BOLLARD EACH	REMOVAL MISC.:CONCRETE BLOCK EACH	REMOVAL MISC.:LANDSCAPE LIGHT EACH	REMOVAL MISC.:LIGHT POLE EACH	REMOVAL MISC.:BUILDING FOUNDATION EACH	REMOVAL MISC.:STONE WALL FT
R249	460	NOT USED	TO																					
R250	460	286+01.09		286+80.46	LT		77						1											
R251	460	286+80.46		286+90.15	LT		8						1											
R252	460	286+90.15		289+79.10	LT		286					1												
R253	460			286+93.99	LT						1													1
R254	460			287+62.25	RT		40						1											
R255	460	286+80.47		287+61.34	LT		79						1											
R256	461			289+28.51	RT						1													1
R257	461	289+79.10		292+47.81	LT		268						1											
R258	461			290+18.03	LT						1			1										1
R259	461	292+47.81		295+17.60	LT		270						1											
R260	461			293+36.11	LT						1													1
R261	462			294+72.81	RT						1													1
R262	462			295+17.14	RT		40						1											
R263	462	295+17.60		297+97.31	LT		280						1											
R264	462			297+96.75	RT		11						1											
R265	462			297+96.85	RT		38						1											
R266	462	297+97.31		300+97.98	LT		301						1											
R267	463			299+85.78	LT						1													1
R268	463	300+19.45		301+15.18	RT									2							96			
R269	463			300+25.99	RT										1									
R270	463			300+94.23	LT						1				2									1
R271	463			300+96.93	RT		40						1											
R272	463	300+97.98		303+74.93	LT		277						1											
R273	463			301+14.16	LT						1													1
R274	463	301+53.53		303+02.63	LT									152										
R275	463			301+79.18	RT						2													2
R276	463			301+99.64	LT										1									
R277	463			302+10.81	RT						2													2
R278	464			303+62.88	RT						1													1
R279	464	303+74.93		304+17.34	LT		56						1											
R280	464	304+17.34		306+48.24	RT		233						1											
R281	464			304+86.91	RT						1													1
R282	464	305+26.78		306+31.24	RT																112			1
R283	464			305+60.72	RT						1													1
R284	464	306+48.24		309+01.67	RT		252						1											
R285	464			307+86.48	LT						1													1
R286	465			308+57.73	LT								1											
R287	465	309+01.67		311+45.30	RT		242						1											
R288	465			309+66.74	RT						1													1
R289	465			309+93.98	LT								1											
R290	465	310+27.47		318+19.37	LT						902													
R291	465			311+00.27	RT																			
R292	465	311+45.30		313+45.61	RT		193								1									
R293	465			311+47.92	RT								1											
R294	465	311+93.62		318+47.44	RT						654													
R295	466	313+74.54		314+08.75	RT		38						1											
R296	466	314+08.75		315+51.22	RT		142						1											
SUBTOTALS CARRIED TO SHEET 397							3171		1556		17	1	20	2	152	5	4				96	112		17

**ROADWAY SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
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REF NO.	SHEET NO.	STATION TO STATION		SIDE	202	202	202	202	202	SPECIAL	202	202	202	202	202	202	202	202	202	202	202	202	SPECIAL	SPECIAL		
					HEADWALL REMOVED EACH	CONCRETE MEDIAN REMOVED SY	PIPE REMOVED, 24" AND UNDER FT	PIPE REMOVED, OVER 24" FT	GUARDRAIL REMOVED FT	PARKING BLOCK REMOVED EACH	MAILBOX REMOVED EACH	MANHOLE REMOVED EACH	CATCH BASIN OR INLET REMOVED EACH	MONUMENT ASSEMBLY REMOVED EACH	FENCE REMOVED FT	REMOVAL MISC.:POST EACH	REMOVAL MISC.:BUSINESS SIGN EACH	REMOVAL MISC.:BOULDER EACH	REMOVAL MISC.:BOLLARD EACH	REMOVAL MISC.:CONCRETE BLOCK EACH	REMOVAL MISC.:LANDSCAPE LIGHT EACH	REMOVAL MISC.:LIGHT POLE EACH	REMOVAL MISC.:BUILDING FOUNDATION EACH	REMOVAL MISC.:STONE WALL FT	REMOVAL MISC.:CONCRETE WALL FT	FILL AND PLUG EXISTING CONDUIT, 12" TO 36" DIA. FT
R297	467	319+48.47	TO	320+15.00	RT																					
R298	467			320+35.18	LT								1													
R299	467			322+99.60	RT																					
R300	467	320+15.00		323+00.03	RT/LT								1											275		
R301	468	323+00.03		325+52.96	LT								1													
R302	468			326+49.72	RT												1									
R303	469			329+28.60	RT																					
R304	469			329+69.64	RT																					
R305	469			330+10.65	LT							1												1		
R306	469	325+52.96		331+03.55	LT								1													
R307	469			332+38.63	RT																1					
R308	470	331+03.55		334+04.78	LT								1													
R309	470			334+77.47	LT																			1		
R310	470			335+45.05	LT								2											2		
R311	470			335+63.48	LT																					
R312	470	335+83.34		336+57.41	LT																		6			
R313	470			336+28.53	RT																		79			
R314	470	336+75.95		336+85.95	LT																					
R315	470			336+85.39	LT																			1		
R316	470			336+92.33	RT																					
R317	470	334+04.78		337+02.09	LT																					
R318	470			337+62.32	RT																					
R319	470			337+81.21	LT																					
R320	470			338+67.84	LT																			1		
R321	470			339+00.01	LT																			2		
R322	471			339+42.47	RT																			1		
R323	471			340+00.18	RT																			1		
R324	471	337+02.09		340+00.06	LT																			243		
R325	471			340+21.33	LT																			1		
R326	471			342+21.12	LT																			1		
R327	471			343+00.68	RT																			40		
R328	471	340+00.06		343+00.18	LT																			300		
R329	471			343+11.25	LT																			1		
R330	471			343+14.65	RT																			1		
R331	472			345+29.82	LT																			1		
R332	472			345+34.19	LT																			1		
R333	472			345+51.58	RT																			40		
R334	472	343+00.18		345+49.62	LT																			250		
R335	472			347+15.25	LT																			1		
R336	472			347+69.46	RT																			1		
R337	472			348+00.46	RT																			40		
R338	472	345+49.62		347+99.65	LT																			251		
R339	472			348+14.63	LT																			1		
R340	473			349+45.64	LT																			1		
R341	473			350+39.61	LT																			1		
R342	473			350+51.26	RT																			40		
R343	473	347+99.65		350+49.73	LT																			250		
R344	473			351+20.50	LT																			2		
R345	473			353+00.69	RT																			52		
R346	473	350+49.73		353+00.02	LT																			251		
R347	473			353+05.17	LT																			1		
R348	473			353+73.30	LT																			1		
SUBTOTALS CARRIED TO SHEET 397							3311					23		19	1	20	4	5	4				1	85	275	23

ROADWAY SUBSUMMARY

LAK-US-20-19.59  
PART 1

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	202	202	202	202	202	SPECIAL	202	202	202	202	202	202	202	202	202	202	202	202	202	SPECIAL	SPECIAL
					HEADWALL REMOVED EACH	CONCRETE MEDIAN REMOVED SY	PIPE REMOVED, 24" AND UNDER FT	PIPE REMOVED, OVER 24" FT	GUARDRAIL REMOVED FT	PARKING BLOCK REMOVED EACH	MAILBOX REMOVED EACH	MANHOLE REMOVED EACH	CATCH BASIN OR INLET REMOVED EACH	MONUMENT ASSEMBLY REMOVED EACH	FENCE REMOVED FT	REMOVAL MISC.:POST EACH	REMOVAL MISC.:BUSINESS SIGN EACH	REMOVAL MISC.:BOULDER EACH	REMOVAL MISC.:BOLLARD EACH	REMOVAL MISC.:CONCRETE BLOCK EACH	REMOVAL MISC.:LANDSCAPE LIGHT EACH	REMOVAL MISC.:LIGHT POLE EACH	REMOVAL MISC.:BUILDING FOUNDATION EACH	REMOVAL MISC.:STONE WALL FT	REMOVAL MISC.:CONCRETE WALL FT
R349	474		TO	354+55.02	LT																				
R350	474			355+49.92	RT																				
R351	474	353+00.02		355+51.01	LT			40																	
R352	474			356+03.64	RT																				
R353	474			357+40.28	LT																				
R354	474			357+57.76	LT																				
R355	474			357+83.29	LT																				
R356	474			358+24.02	RT																				
R357	474			358+25.22	LT																				
R358	474	355+51.01		358+25.44	LT																				
R359	474			358+49.93	LT																				
R360	475			360+49.43	RT																				
R361	475	358+25.44		360+50.36	LT																				
R362	475			360+57.66	LT																				
R363	475			361+12.59	LT																				
R364	475			362+83.03	LT																				
R365	475			363+29.04	RT																				
R366	475	360+50.36		363+28.27	LT																				
R367	476			364+36.29	LT																				
R368	476	365+08.52		365+43.39	LT																				
R369	476			365+50.36	RT																				
R370	476	365+08.52		365+49.47	LT																				
R371	476			366+21.83	RT																				
R372	476			366+31.62	LT																				
R373	476			366+84.19	LT																				
R374	476			367+69.16	LT																				
R375	476			367+78.41	RT																				
R376	476	365+49.47		367+78.40	LT																				
R377	476			367+80.36	RT																				
R378	477			369+42.04	RT																				
R379	477			369+95.76	RT																				
R380	477			370+50.62	RT																				
R381	477	367+78.40		370+50.29	LT																				
R382	477			370+60.49	RT																				
R383	477			371+09.72	RT																				
R384	477			373+08.81	LT																				
R385	478			375+49.10	RT																				
R386	478	370+50.29		375+48.01	LT																				
R387	478			377+68.62	LT																				
R388	478			378+51.77	RT																				
R389	478	375+48.01		378+50.99	LT																				
R390	479	380+93.53		381+23.49	RT																				
R391	479			381+23.49	RT																				
R392	479	378+50.99		381+23.79	LT																				
R393	479			382+55.10	RT																				
R394	479			383+44.80	RT																				
R395	479	381+23.79		383+44.36	LT																				
SUBTOTALS CARRIED TO SHEET 397							1531	1836			14		24	1		5	5							500	14

**ROADWAY SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	202	202	202	202	202	SPECIAL	202	202	202	202	202	202	202	202	202	202	202	202	SPECIAL	SPECIAL			
					HEADWALL REMOVED EACH	CONCRETE MEDIAN REMOVED SY	PIPE REMOVED, 24" AND UNDER FT	PIPE REMOVED, OVER 24" FT	GUARDRAIL REMOVED FT	PARKING BLOCK REMOVED EACH	MAILBOX REMOVED EACH	MANHOLE REMOVED EACH	CATCH BASIN OR INLET REMOVED EACH	MONUMENT ASSEMBLY REMOVED EACH	FENCE REMOVED FT	REMOVAL MISC.:POST EACH	REMOVAL MISC.:BUSINESS SIGN EACH	REMOVAL MISC.:BOULDER EACH	REMOVAL MISC.:BOLLARD EACH	REMOVAL MISC.:CONCRETE BLOCK EACH	REMOVAL MISC.:LANDSCAPE LIGHT EACH	REMOVAL MISC.:LIGHT POLE EACH	REMOVAL MISC.:BUILDING FOUNDATION EACH	REMOVAL MISC.:STONE WALL FT	REMOVAL MISC.:CONCRETE WALL FT	FILL AND PLUG EXISTING CONDUIT, 12" TO 36" DIA. FT	MAILBOX SUPPORT SYSTEM, SINGLE EACH
R396	480		TO	384+37.24	RT						1													1			
R397	480			385+99.49	RT		40					1															
R398	480	383+44.36		385+98.13	LT			254				1															
R399	480			386+29.65	RT								1														
R400	480			388+48.94	RT		40					1															
R401	480	385+98.13		388+49.86	LT			252				1															
R402	481			389+08.32	RT						1													1			
R403	481			389+51.99	LT						1													1			
R404	481			390+08.39	RT						1													1			
R405	481			391+23.88	RT		40					1															
R406	481	388+49.86		391+25.39	LT		276					1															
R407	481			391+27.90	RT						1													1			
R408	481			391+70.49	LT						1													1			
R409	481			393+27.39	LT						1													1			
R410	481			393+57.73	RT								1														
R411	482			395+24.42	RT								1														
R412	482			397+00.41	RT		40					1															
R413	482	391+25.39		396+98.81	LT		574					1															
R414	482			397+95.79	RT						1													1			
R415	482	396+98.81		398+29.18	LT		129					1															
R416	482			398+39.03	RT		40					1															
R417	482	398+29.18		398+38.80	LT		7					1												1			
R418	482			398+50.00	RT						1																
R419	482			398+51.29	RT							9															
R420	482			398+80.25	RT							9															
R421	482			398+96.33	RT								1					3									
R422	482			398+87.72	LT						1													1			
R423	483	NOT USED																									
R424	483			399+49.96	LT						1													1			
R425	483			399+90.00	RT		40					1															
R426	483	398+29.18		399+90.00	LT		157					1															
R427	483			400+00.24	RT												1										
R428	483	399+90.42		400+90.23	LT																	100					
R429	483			400+99.92	RT						1													1			
R430	483			401+27.74	LT						1													1			
R431	483			401+90.19	LT/RT		50																				
R432	483			401+94.71	LT						1													1			
SUBTOTALS THIS SHEET							1433	506			14	1	12		18		5						100	14			
SUBTOTALS FROM SHEET 389						589	2443		2172		6	1	14	2	210	7	12	4	1					6			
SUBTOTALS FROM SHEET 390							1854				13	2	15	1	73	3	5	9					70	13			
SUBTOTALS FROM SHEET 391							2057		549		16		13		147	6		2	4	24	3			16			
SUBTOTALS FROM SHEET 392							2063				15		11	2	329	5	7	3	2		8	1	1		15		
SUBTOTALS FROM SHEET 393							2756		724	8	10		19	1	40	42	5	2	2					10			
SUBTOTALS FROM SHEET 394							3171		1556		17	1	20	2	152	5	4					96	112		17		
SUBTOTALS FROM SHEET 395							3311				23		19	1	20	4	5	4			1		85	275	23		
SUBTOTALS FROM SHEET 396							1531	1836			14		24	1		5	5						500	14			
TOTALS CARRIED TO GENERAL SUMMARY					1	589	20619	2342	5001	8	128	5	147	10	989	77	48	24	9	24	14	2	1	181	112	945	128

ROADWAY SUBSUMMARY

LAK-US-20-19.59 PART 1

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REF NO.	SHEET NO.	STATION TO STATION	SIDE	MATERIAL DESCRIPTION AND QUANTITY											CALCULATED		
				441 CY ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN	606 FT GUARDRAIL, TYPE MGS	606 FT GUARDRAIL REBUILT	606 FT GUARDRAIL, TYPE MGS, LONG-SPAN	606 EACH ANCHOR ASSEMBLY, MGS TYPE E (MASH 2106)	606 EACH ANCHOR ASSEMBLY, MGS TYPE T	606 EACH MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	620 EACH DELINEATOR, POST GROUND MOUNTED	626 EACH BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL	LIME	JMP			
		TO															
GR-1	426	100+83.40	LT	16.0	212.5			1		1	1	4					
GR-2	426	102+14.00	RT	27.8	425.0			1		1	1	6					
GR-3	426	886+75.00	LT	44.4	725.0	25.0		1			1	9					
GR-4	427	113+88.10	RT	27.1	425.0			1	1		1	6					
GR-5	429	118+22.80	LT	6.9	100.0				2			3					
GR-6	433	148+65.00	LT	11.1	150.0		50.0	2			2	4					
GR-7	434	157+39.40	LT	16.7	350.0			2			2	6					
GR-8	442	198+16.05	RT	8.3	162.5			1	1		1	4					
GR-9	443	251+00.00	LT	18.1	387.5			2			2	6					
GR-10	443	253+12.50	LT	6.5	112.5			1	1		1	3					
GR-11	453	300+20.30	RT	4.6	100.0				2			3					
GR-12	454	304+63.00	RT	6.5	150.0				2			3					
GR-13	465	310+19.90	LT	31.0	737.5			2			2	10					
GR-14	465	311+95.00	RT	25.0	612.5			1	1		1	8					
GR-15	468	323+25.00	RT	10.6	225.0			1	1		1	4					
GR-16	457	266+87.50	LT	10.2	212.5			1	1		1	4					
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>				271	5088	25	50	17	12	2	17	83					



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SHEET NO.	REFERENCE NO.	STATION TO STATION	SIDE	SPECIAL	SPECIAL	SPECIAL				
				VALVE BOX ADJUSTED TO GRADE, LCDU STANDARD	6" FIRE HYDRANT FURNISHED, LCDU STANDARD	FIRE HYDRANT REMOVED FOR STORAGE, LCDU STANDARD				
				EACH	EACH	EACH				
431	W-1	139+52.80	L	1						
431	W-2	139+64.70	L		1	1				
432	W-3	145+61.20	L		1	1				
433	W-4	151+50.10	L		1	1				
434	W-5	155+04.60	L		1	1				
434	W-6	157+10.90	L	1						
435	W-7	159+51.90	L		1	1				
436	W-8	164+31.80	L		1	1				
437	W-9	169+01.20	L		1	1				
440	W-10	186+56.50	L		1	1				
440	W-11	186+79.40	L	1						
440	W-12	188+74.40	L	1						
441	W-13	191+88.80	L		1	1				
442	W-14	196+87.80	L		1	1				
443	W-15	201+90.70	L		1	1				
444	W-16	206+17.00	L		1	1				
445	W-17	210+76.90	L		1	1				
446	W-18	215+29.60	L		1	1				
447	W-19	219+73.10	R	1						
447	W-20	220+37.10	L		1	1				
448	W-21	224+73.10	L		1	1				
449	W-22	229+01.80	L		1	1				
449	W-23	229+69.70	L	1						
450	W-24	233+43.30	L		1	1				
451	W-25	237+77.80	L		1	1				
452	W-26	242+13.10	L		1	1				
453	W-27	251+33.60	L		1	1				
454	W-28	255+25.00	L		1	1				
455	W-29	259+00.70	L		1	1				
455	W-30	263+02.20	L		1	1				
456	W-31	266+88.30	L		1	1				
456	W-32	268+07.00	R	3						
457	W-33	270+70.40	L		1	1				
460	W-34	284+97.20	L		1	1				
462	W-35	294+37.10	L		1	1				
463	W-36	298+97.70	L		1	1				
463	W-37	300+11.00	L	1						
463	W-38	300+12.70	L	1						
465	W-39	309+28.40	L		1	1				
467	W-40	322+17.10	L		1	1				
469	W-41	331+31.80	L		1	1				
469	W-42	332+27.80	L	1						
469	W-43	332+51.40	R	1						
470	W-44	336+25.60	L		1	1				
471	W-45	339+01.40	L		1	1				
472	W-46	346+70.34	L	1						
473	W-47	352+23.00	L		1	1				
474	W-48	356+78.00	L		1	1				
474	W-49	358+43.70	L	1						
475	W-50	362+39.80	L		1	1				
476	W-51	366+20.70	L		1	1				
477	W-52	373+91.60	L	1						
477	W-53	373+93.10	L	1						
477	W-54	373+97.60	L	1						
480	W-55	385+34.80	L		1	1				
481	W-56	390+34.40	L		1	1				
483	W-57	400+10.10	L		1	1				
492	W-58	MIDDLE RIDGE 12+51.20	R		1	1				
TOTALS CARRIED TO GENERAL SUMARY				18	42	42				

SHEET NO.	REFERENCE NO.	STATION TO STATION	SIDE	611					
				MANHOLE ADJUSTED TO GRADE, AS PER PLAN					
				EACH					
469	SA-1	332+48.10	R	1					
474	SA-2	354+50.80	R	1					
475	SA-3	359+01.80	R	1					
TOTALS CARRIED TO GENERAL SUMARY				3					

**WATERWORK / SANITARY SUBSUMMARY**

**LAK-US-20-19.59**

**PART 1**

CALCULATED LIME CHECKED JMP

(400)  
1253



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SHEET NO.	REFERENCE NO.	STATION		SIDE	CFN	601	601	602	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	895	
		FROM	TO			CY	CY	CU	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	EA	EA	EA	EA	EA	EA
436	D49	164+50.00	166+00.00	RT																														
436	D50	166+00.00		RT											60			150														1		
436	D51	166+49.79	166+00.00	LT																												1		
436	D52	166+00.00		RT																												1	1	
436	D53	NOT USED																																
437	D54	NOT USED																																
437	D55	NOT USED																																
437	D56	19+09.87		RT									10																		1			
439	D57	NOT USED																																
439	D58	NOT USED																																
440	D59	186+00.00		LT/RT								50						10													2			
440	D60	186+00.00	187+24.10	RT																											1			
440	D61	188+00.00	189+02.00	RT													200														1			
440	D62	188+00.00		LT/RT								53																		1	1			
441	D63	189+02.00		LT/RT								50																			2			
441	D64	189+02.00	190+50.00	RT																												1		
441	D65	190+50.00	192+10.00	RT																												1		
441	D66	192+10.00		RT																											1			
441	D67	192+10.00	193+40.00	RT																												1		
441	D68	193+30.00		LT/RT								50																			1	1		
442	D69	193+40.00	194+80.00	RT																												1		
442	D70	194+80.00		RT																												1		
442	D71	194+80.00	196+85.00	RT																												1		
442	D72	196+85.00		LT/RT								50																			1	1		
442	D73	196+85.00	199+74.65	RT																												1		
443	D74	199+00.00	199+58.00	RT																													1	1
443	D75	199+40.00		LT/RT								52																				1	1	
443	D76	199+58.00	200+13.00	RT																												1		
443	D77	200+13.00		LT/RT								52																				2		
443	D78	213+13.00	200+50.00	RT																												1		
443	D79	200+50.00	200+85.00	RT																													1	1
443	D80	200+85.00		RT/LT								50																			1	1		
443	D81	200+85.00	203+35.00	RT																												1		
443	D82	203+40.00	203+35.00	LT/RT								50																				1	1	
443	D83	203+35.00	205+00.00	RT																												1		
444	D84	205+00.00		LT/RT								50																				1	1	
444	D85	205+00.00	207+00.00	RT																												1		
444	D86	207+00.00		RT																												1		
444	D87	207+00.00	208+75.00	RT																												1		
445	D88	208+75.00		LT/RT								50																				1	1	
445	D89	208+75.00	210+50.00	RT																												1		
445	D90	210+50.00		RT																											1			
445	D91	212+05.00		LT/RT								50																			2			
445	D92	211+95.00		RT																											1			
SUBTOTALS CARRIED TO SHEET 408											607	10	482		475	220	553	595	487	215	113						18	11			20	3	3	

CALCULATED	CHECKED	JMP
<b>DRAINAGE SUBSUMMARY</b>		
<b>LAK-US-20-19.59</b>		
<b>PART 1</b>		
402 1253		

SHEET NO.	REFERENCE NO.	STATION		SIDE	CFN	601	601	602	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	611	895			
		FROM	TO			CY	CY	CU	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
446	D93	216+31.00	216+70.00	LT/RT																																					
446	D94	216+31.00		RT								64			10																										
446	D95	218+00.00		RT									169																												
446	D96	218+00.00	219+00.00	RT																																					
447	D97	219+00.00		LT/RT										60																											
447	D98	219+00.00	220+80.00	RT																																					
447	D98A	218+99.28	219+61.00	RT																																					
447	D99	218+99.28	219+00.00	RT																																					
447	D100	220+80.00		RT																																					
447	D101	220+80.00	221+80.00	RT																																					
447	D102	221+80.00		LT/RT										50			10																								
447	D103	221+80.00	222+80.00	RT																																					
447	D104	222+80.00		RT																																					
447	D105	222+80.00		RT																																					
448	D106	223+75.00		LT/RT									50			10																									
448	D107	223+75.00	224+75.00	RT																																					
448	D108	224+75.00		RT																																					
448	D109	224+75.00	225+58.00	RT																																					
448	D110	225+58.00		LT/RT																																					
448	D111	225+58.00		LT																																					
448	D112	225+58.00		LT																																					
448	D113	225+58.00	226+17.00	LT																																					
448	D114	226+17.00		LT																																					
448	D115	226+16.00		LT																																					
448	D116	226+15.00		LT																																					
448	D117	226+15.00		RT																																					
448	D118	226+15.00	228+20.00	RT																																					
448	D119	228+20.00		RT																																					
448	D120	228+20.00		LT/RT																																					
449	D121	230+11.00		LT/RT										50			10																								
449	D122	230+11.00		RT																																					
450	D123	236+25.00		LT/RT																																					
450	D124	236+25.00	238+50.00	RT																																					
451	D125	238+50.00		RT																																					
451	D126	238+50.00	240+00.00	RT																																					
451	D127	240+00.00		LT/RT																																					
451	D128	240+00.00	242+50.00	RT																																					
451	D129	242+50.00		LT/RT																																					
451	D130	242+50.00	245+30.00	RT																																					
452	D131	245+30.00		LT/RT																																					
452	D132	245+30.00	245+83.00	RT																																					
452	D133	245+83.00		LT/RT																																					
452	D134	245+83.00	246+60.00	RT																																					
452	D135	246+60.00		LT/RT																																					
452	D136	246+60.00	248+20.00	RT																																					
452	D137	248+20.00																																							
452	D138	248+20.00	250+50.00	RT																																					

SUBTOTALS CARRIED TO SHEET 408

436 657 180 724 680 260 505 313 209

**DRAINAGE SUBSUMMARY**

**LAK-US-20-19.59**

**PART 1**

CALCULATED
CWH
CHECKED
JMP

403

1253



















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SHEET NO.	STATION		203	203	659
	FROM	TO	EXCAVATION CY	EMBANKMENT CY	SEEDING AND MULCHING, CLASS 1 SY
501	101+50.00	101+75.00			
502	102+00.00	102+50.00	15		83
503	103+00.00	104+00.00	17	7	117
504	104+50.00	105+50.00	31	5	153
505	106+00.00	107+00.00	20	42	86
506	107+50.00	108+50.00	54	31	111
507	109+00.00	110+00.00	14	52	
508	110+50.00	111+50.00	41	20	136
509	112+00.00	113+00.00	9	6	157
510	113+50.00	114+50.00	17	10	308
511	115+00.00	116+00.00	85	4	376
512	116+50.00	117+50.00	37	147	667
513	118+00.00	119+00.00	73	154	583
514	119+50.00	120+50.00	272	10	279
515	121+00.00	122+00.00	362	1	700
516	122+50.00	123+50.00	321		609
517	123+82.65	137+00.00	169		361
518	137+50.00	138+00.00	157		422
519	138+50.00	139+50.00	241		633
520	140+00.00	141+00.00	246		575
521	141+50.00	142+50.00	269		549
522	143+00.00	144+00.00	172	2	522
523	144+50.00	145+50.00	102	9	378
524	146+00.00	147+00.00	76	29	516
525	147+50.00	148+50.00	124	14	516
526	149+00.00	150+00.00	140	21	763
527	150+50.00	151+50.00	163		525
528	152+00.00	153+00.00	126	6	549
529	153+50.00	154+50.00	124	6	471
530	155+00.00	156+00.00	144	8	558
531	156+50.00	157+50.00	217	1	600
532	158+00.00	159+00.00	301	232	847
533	159+50.00	160+50.00	215	24	700
534	160+60.61	161+50.00	97	4	583
535	162+00.00	163+00.00	142	8	549
536	163+50.00	164+50.00	90	67	720
537	165+00.00	166+00.00	81	64	725
538	166+50.00	167+50.00	76	14	878
539	168+00.00	168+50.00	20	4	583
540	169+00.00	169+50.00			167
541	170+00.00	171+50.00			176
542	179+50.00	181+00.00			178
543	181+50.00	182+20.00	9	10	331
544	182+50.00	183+50.00	67	32	455
545	184+00.00	185+00.00	151	31	555
546	185+50.00	186+50.00	198	27	549
547	187+00.00	188+00.00	192		549
548	188+50.00	189+50.00	172		471
549	190+00.00	191+00.00	103	13	591
550	191+50.00	192+50.00	94	42	663
551	193+00.00	194+00.00	123	6	549
552	194+50.00	195+50.00	135	9	549
553	196+00.00	197+00.00	187		549
554	197+50.00	198+00.00	122		366
555	198+50.00	199+00.00	139	110	525
556	199+50.00	200+50.00	409	639	934
557	201+00.00	202+00.00	264		628
558	202+50.00	203+50.00	242		563
SUBTOTALS CARRIED TO COLUMN 2			7467	1921	27236

SHEET NO.	STATION		203	203	659
	FROM	TO	EXCAVATION CY	EMBANKMENT CY	SEEDING AND MULCHING, CLASS 1 SY
559	204+00.00	205+00.00	210		549
560	205+50.00	206+50.00	243		552
561	207+00.00	208+00.00	291	2	567
562	208+50.00	209+00.00	166		378
563	209+50.00	210+00.00	156	16	462
564	210+50.00	211+50.00	148	29	634
565	212+00.00	213+00.00	96	20	633
566	213+50.00	214+50.00	98	23	563
567	215+00.00	216+00.00	121	5	495
568	216+50.00	217+50.00	101	14	636
569	218+00.00	219+00.00	121	13	594
570	219+50.00	220+50.00	143	1	500
571	221+00.00	222+00.00	171		563
572	222+50.00	223+50.00	174		549
573	224+00.00	225+00.00	228		549
574	225+50.00	226+50.00	239		994
575	227+00.00	228+00.00	110	3	555
576	228+50.00	229+50.00	107	9	516
577	230+00.00	231+00.00	130	4	533
578	231+50.00	232+50.00	128	24	552
579	233+00.00	234+00.00	124	43	552
580	234+50.00	235+50.00	148	36	549
581	236+00.00	237+00.00	125	11	612
582	237+50.00	238+50.00	110	22	639
583	239+00.00	240+00.00	166	13	658
584	240+50.00	241+50.00	212		647
585	242+00.00	243+00.00	219	9	766
586	243+50.00	244+50.00	140	45	750
587	245+00.00	246+00.00	141	64	853
588	246+50.00	247+50.00	137	11	689
589	248+00.00	249+00.00	107	23	549
590	249+50.00	250+50.00	130	3	544
591	251+00.00	252+00.00	308	10	534
592	252+50.00	253+50.00	401	187	747
593	254+00.00	254+50.00	593	1126	1000
594	255+00.00	256+00.00	224	266	841
595	256+50.00	257+50.00	139	7	699
596	258+00.00	259+00.00	99	10	714
597	259+50.00	260+50.00	101	5	705
598	261+00.00	262+00.00	96	16	705
599	262+50.00	263+50.00	103	60	767
600	264+00.00	265+00.00	133	80	700
601	265+50.00	266+50.00	105	40	667
602	267+00.00	268+00.00	317	372	1131
603	268+50.00	269+50.00	270	297	920
604	270+00.00	271+00.00	111	30	692
605	271+50.00	272+50.00	87	6	619
606	273+00.00	273+50.00	28	3	297
607	274+00.00	275+00.00			194
608	283+50.00	284+50.00			344
609	285+00.00	285+50.00			214
610	286+00.00	287+00.00	42	36	697
611	287+50.00	288+50.00	212	3	761
612	289+00.00	289+50.00	172	8	550
SUBTOTALS COLUMN 2			8481	3005	33680
SUBTOTALS FROM COLUMN 1			7467	1921	27236
SUBTOTALS CARRIED TO SHEET 414			15948	4926	60916

CALCULATED  
LIME  
CHECKED  
EJT

**EARTHWORK SUBSUMMARY**

**LAK-US-20-19.59  
PART 1**

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SHEET NO.	STATION		203	203	659
	FROM	TO	EXCAVATION CY	EMBANKMENT CY	SEEDING AND MULCHING, CLASS 1 SY
613	290+00.00	290+50.00	96	8	561
614	291+00.00	291+50.00	119	7	494
615	292+00.00	292+50.00	175	117	622
616	293+00.00	294+00.00	197	74	751
617	294+50.00	295+50.00	154	19	717
618	296+00.00	297+00.00	96	63	717
619	297+50.00	298+50.00	96	153	689
620	299+00.00	300+00.00	83	61	535
621	300+50.00	301+00.00	250	31	414
622	301+50.00	302+00.00	151	129	647
623	302+50.00	303+50.00	102	170	814
624	304+00.00	305+00.00	81	269	848
625	305+50.00	306+00.00	235	109	550
626	306+50.00	307+00.00	119	165	589
627	307+50.00	308+00.00	71	40	514
628	308+50.00	309+00.00	96	26	514
629	309+50.00	310+00.00	73	23	581
630	310+50.00	311+50.00	179	241	900
631	312+00.00	313+00.00	502	731	1175
632	313+50.00	314+00.00	518	1002	964
633	314+50.00	315+50.00	863	1310	1274
634	316+00.00	317+00.00	407	504	919
635	317+50.00	318+50.00	163	384	706
636	319+00.00	320+00.00	176	3	761
637	320+50.00	321+00.00	396	1	583
638	321+50.00	322+00.00	545		755
639	322+50.00	323+00.00	516		669
640	323+50.00	324+00.00	384		567
641	324+50.00	325+00.00	214		383
642	325+50.00	326+00.00	246		342
643	326+50.00	327+00.00	184		375
644	327+50.00	328+00.00	150		317
645	328+50.00	329+00.00	81	19	384
646	329+50.00	330+00.00	64	11	361
647	330+50.00	331+00.00	76	6	403
648	331+50.00	332+00.00	95		425
649	332+50.00	333+00.00	102		336
650	333+50.00	334+00.00	71	2	342
651	334+50.00	335+00.00	74	6	367
652	335+50.00	336+00.00	92	6	353
653	336+50.00	337+00.00	231		466
654	337+50.00	339+00.00	474		1125
655	339+50.00	340+50.00	493		688
656	341+00.00	342+00.00	304		597
657	342+50.00	343+50.00	242		625
658	344+00.00	345+00.00	184	4	589
659	345+50.00	346+50.00	103	44	589
660	347+00.00	348+00.00	121	23	561
661	348+50.00	349+50.00	291		786
662	350+00.00	350+50.00	256		536
663	351+00.00	351+50.00	245		544
664	352+00.00	353+00.00	286	2	850
665	353+50.00	354+50.00	259		875
666	355+00.00	356+00.00	227	2	647
667	356+50.00	357+00.00	150		408
668	357+50.00	358+00.00	135		322
669	358+50.00	359+00.00	158		428
670	359+50.00	360+50.00	204		516
SUBTOTALS CARRIED TO COLUMN 2			12655	5765	35370

SHEET NO.	STATION		203	203	659
	FROM	TO	EXCAVATION CY	EMBANKMENT CY	SEEDING AND MULCHING, CLASS 1 SY
671	361+00.00	362+00.00	187		578
672	362+50.00	363+00.00	148	3	549
673	364+00.00	365+00.00	138	8	574
674	365+50.00	366+00.00	94	4	378
675	366+50.00	367+00.00	98	3	392
676	367+50.00	368+00.00	81	9	447
677	368+50.00	369+00.00	69	41	509
678	369+50.00	370+00.00	69	83	561
679	370+50.00	371+00.00	63	125	616
680	371+50.00	372+00.00	59	121	533
681	372+50.00	373+00.00	62	54	478
682	373+50.00	374+00.00	125	8	436
683	374+50.00	375+00.00	169	17	366
684	375+50.00	376+00.00	90	22	380
685	376+50.00	377+50.00	111	23	521
686	378+00.00	378+50.00	86	25	386
687	379+00.00	379+50.00	84	28	394
688	380+00.00	380+50.00	79	15	400
689	381+00.00	381+50.00	84	13	389
690	382+00.00	383+00.00	137	6	558
691	383+50.00	384+50.00	148	20	552
692	385+00.00	386+00.00	183	104	675
693	386+50.00	387+50.00	128	22	641
694	388+00.00	388+50.00	126	11	422
695	389+00.00	389+50.00	115	11	464
696	390+00.00	390+50.00	124	44	489
697	391+00.00	391+50.00	149	35	522
698	392+00.00	392+50.00	109	19	508
699	393+00.00	394+00.00	157	6	767
700	394+50.00	395+50.00	115	19	628
701	396+00.00	396+50.00	66	12	386
702	397+00.00	397+50.00	66	11	350
703	398+00.00	398+50.00	89	16	355
704	399+00.00	399+50.00	77	40	506
705	399+90.00	400+00.00	22	17	239
706	400+50.00	401+50.00	6	3	500
707	402+00.00	402+50.00			239
BLASÉ NEMETH ROAD					
708	102+50.00	103+15.51	325		146
NARROWS ROAD					
709	0+76.42	1+25.00	69	10	1201
LANE ROAD					
710	18+15.00	19+60.00	56	1	439
BLACKMORE ROAD					
711	10+27.94	11+25.00	66	13	347
OHIO STREET					
712	9+73.77	11+00.00	138	8	413
SUBTOTALS COLUMN 2			4367	1030	20234
SUBTOTALS FROM COLUMN 1			12655	5765	35370
SUBTOTALS CARRIED TO SHEET 414			17022	6795	55604

CALCULATED  
LIME  
CHECKED  
EJT

**EARTHWORK SUBSUMMARY**

**LAK-US-20-19.59  
PART 1**



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SHEET NO.	STATION		203	203	659
			EXCAVATION	EMBANKMENT	SEEDING AND MULCHING, CLASS 1
	FROM	TO	CY	CY	SY
<b>PERRY PARK ROAD</b>					
713	10+25.26	11+00.00	68	14	266
714	11+50.00	11+75.00	7	12	279
<b>MIDDLE RIDGE ROAD</b>					
715	11+00.00	12+00.00	129	179	416
716	12+50.00	13+50.00	567	2	567
<b>PARMLY ROAD</b>					
717	10+23.00	11+00.00	83	3	356
<b>RED MILL VALLEY ROAD (WEST)</b>					
718	10+34.27	11+11.00	51	47	384
<b>RED MILL VALLEY ROAD (EAST)</b>					
719	10+27.64	11+15.00	495	12	243
<b>CALL ROAD</b>					
720	8+25.00	9+00.00	49		283
721	9+50.00	9+76.52	69		203
<b>ANTIOCH ROAD</b>					
722	10+24.01	11+00.00	54		111
<b>S.R. 2 - RAMP A</b>					
723	886+00.00	886+50.00			
724	887+00.00	887+50.00	4	11	67
725	888+00.00	888+50.00	12	32	131
726	889+00.00	889+50.00	30	11	122
727	890+00.00	890+50.00	91		131
728	891+00.00	891+50.00	87		134
729	892+00.00	892+50.00	57	9	134
730	892+68.30		5	5	25
<b>S.R. 2 - RAMP B</b>					
731	890+00.00	891+00.00			
732	891+50.00	892+50.00	10	56	480
733	893+00.00	894+00.00	5	73	205
734	894+50.00	894+72.93	3	33	114
<b>CULVERT CHANNEL AT STA. 253+86</b>					
863	8+84	9+40	47	15	290
864	10+60	10+75	14	40	371
<b>SUBTOTALS CARRIED TO COLUMN 2</b>			1937	554	5312

SHEET NO.	STATION		203	203	659
			EXCAVATION	EMBANKMENT	SEEDING AND MULCHING, CLASS 1
	FROM	TO	CY	CY	SY
<b>SUBTOTALS COLUMN 2</b>					
<b>SUBTOTALS COLUMN 1</b>			1937	554	5312
<b>SUBTOTALS SHEET 412</b>			15948	4926	60916
<b>SUBTOTALS SHEET 413</b>			17022	6795	55604
<b>TOTALS CARRIED TO GENERAL NOTES</b>					121832
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>			34907	12275	

**EROSION CONTROL CALCULATIONS**

ITEM 659 TOPSOIL

121832 SY SEEDING AND MULCHING  
 121832 SY x 0.111 CY/SY = 13523.4 CY  
 QUANTITY CARRIED TO GENERAL NOTES = 13524 CY

ITEM 659 SOILS ANALYSIS TEST

13524 CY TOPSOIL  
 13524 CY x 1 TEST / 10000 CY = 1.4 EACH (2 TESTS MINIMUM)  
 QUANTITY CARRIED TO GENERAL NOTES = 2 EACH

ITEM 659 REPAIR SEEDING AND MULCHING

121832 SY SEEDING AND MULCHING  
 121832 SY x 5% = 6091.6 SY  
 QUANTITY CARRIED TO GENERAL NOTES = 6092 SY

ITEM 659 INTER-SEEDING

121832 SY SEEDING AND MULCHING  
 121832 SY x 5% = 6091.6 SY  
 QUANTITY CARRIED TO GENERAL NOTES = 6092 SY

ITEM 659 COMMERCIAL FERTILIZER

121832 SY SEEDING AND MULCHING  
 121832 SY x 1 TON / 7410 SY = 16.44 TON  
 6092 SY INTER-SEEDING  
 6092 SY x 1 TON / 11111 SY = 0.55 TON  
 QUANTITY CARRIED TO GENERAL NOTES = 16.99 TON

ITEM 659 LIME

121832 SY SEEDING AND MULCHING  
 121832 SY x 1 ACRE / 4840 SY = 25.17 ACRE  
 QUANTITY CARRIED TO GENERAL NOTES = 25.17 ACRE

ITEM 659 WATER

121832 SY SEEDING AND MULCHING  
 121832 SY x 0.0027 MGAL/SY X 2 = 658 MGAL  
 6092 SY INTER-SEEDING  
 6092 SY x 0.0027 MGAL/SY X 2 = 33 MGAL  
 QUANTITY CARRIED TO GENERAL NOTES = 691 MGAL

**MISCELLANEOUS CALCULATIONS**

ITEM 204 PROOF ROLLING

180524 SY SUBGRADE COMPACTION  
 180524 SY / 3000 SY / HR = 60.0 HOUR  
 QUANTITY CARRIED TO GENERAL NOTES = 60 HOUR

<p><b>EARTHWORK SUBSUMMARY - CALCULATIONS</b></p>	<p><b>LAK-US-20-19.59</b> <b>PART 1</b></p>
<p>CALCULATED LIME CHECKED EJT</p>	<p>414 1253</p>

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STATION	SIDE	LENGTH	AVERAGE WIDTH	CALCULATED SURFACE AREA	CADD GENERATED SURFACE AREA	202	203	204	252	254	254	301	301	304	407	441	441	442	442	442	452	609	609	609	609	609	617
						PAVEMENT REMOVED, AS PER PLAN	CURB REMOVED	SUBGRADE COMPACTION	FULL DEPTH PAVEMENT SAWING	1.50" PAVEMENT PLANING, ASPHALT CONCRETE	3.25" PAVEMENT PLANING, ASPHALT CONCRETE	6" ASPHALT CONCRETE BASE, PG64-22, (449)	6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG64-22	6" AGGREGATE BASE	NON-TRACKING TACK COAT	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	3.25" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A, (446), AS PER PLAN, PG76-22M	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28	3.25" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28	ANTI-SEGREGATION EQUIPMENT	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	COMBINATION CURB AND GUTTER, TYPE 2	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	CURB, TYPE 6	CURB, TYPE 2A
FROM	TO	FT	FT	SF		SY	CY	SY	FT	SY	SY	CY	CY	CY	GAL	CY	CY	CY	CY	CY		FT	FT	FT	SY	CY	
102+00.00	105+82.33	L	382.33	24.00	9175.9	1069.4		1189.5		1019.5			172.3	179.3	122.3			42.5		92.0	306.8					7.1	
105+82.33	106+81.25	L	98.92	18.00	1780.6	197.8		241.8		197.8			33.0	33.0	23.7			8.2		17.9	59.1						
106+81.25	108+00.00	L	118.75	12.00	1425.0	158.3		211.1		158.3			26.4	26.4	19.0			6.6		14.3	47.3						
108+00.00	109+50.00	L	150.00	13.50	2025.0	225.0		291.7		225.0			37.5	37.5	27.0			9.4		20.3	67.2						
109+50.00	109+73.32	L	23.32	15.00	349.8	38.9		49.2		38.9			6.5	6.5	4.7			1.6		3.5	11.6				10.4		
109+73.32	113+09.89	L	336.57	37.00	12453.1	1365.0		1533.3		1383.7			232.7	238.9	166.0			57.7		124.9	415.3				149.6	6.3	
113+09.89	119+00.00	L	590.11	37.00	21834.1	2058.1		2688.3		2426.0			407.9	418.9	291.1			101.1		219.0	728.0				262.3	11.0	
119+00.00	119+32.84	L	32.84	36.41	1195.7	132.8		147.5		132.9			22.3	23.0	15.9			5.5		12.0	39.8					0.7	
119+32.84	120+50.00	L	117.16	24.72	2896.2	266.9		373.9		321.8			53.6	61.2	38.6			13.4		29.0	96.0						
120+50.00	121+00.00	L	50.00	23.13	1156.5	113.9		150.7		128.5			21.4	24.7	15.4			5.4		11.6	38.4	50.0					
121+00.00	123+82.65	L	282.65	23.00	6500.9	643.8		847.9		722.3			120.4	138.7	86.7			30.1		65.2	215.7	282.7					
136+51.41	148+40.00	L	1188.59	23.00	27337.6	2707.3		3565.8		3037.5			506.3	583.3	364.5			126.6		274.2	907.1	1188.6					
148+40.00	151+90.00	L	350.00	23.00	8050.0	797.2		1127.8		894.4			149.1	184.7	107.3			37.3		80.7	267.1			350.0			
151+90.00	157+14.80	L	524.80	23.00	12070.4	1195.4		1574.4		1341.2			223.5	257.5	160.9			55.9		121.1	400.5	524.8					
157+14.80	162+12.50	L	497.70	23.00	11447.1	1133.7		1603.7		1271.9			212.0	262.7	152.6			53.0		114.8	379.8			497.7			
162+12.50	168+10.00	L	597.50	23.00	13742.5	1361.0		1792.5	25	1526.9			254.5	293.2	183.2			63.6		137.8	455.9	597.5					
168+10.00	168+53.20	L	43.20	23.00	993.6		43.2			110.4					13.2			4.6	5.4		10.0						
168+53.20	170+88.90	L	278.90	27.75	7739.5		278.9			859.9					103.2			35.8	41.8		77.6			278.9			
170+88.90	179+42.60	L	853.70	30.50	26037.8					2893.1					347.2			120.5	140.6		261.1						
179+42.60	181+86.70	L	244.10	27.75	6773.8		244.1			752.6					90.3			31.4	36.6		68.0			244.1			
181+86.70	182+20.00	L	33.30	23.00	765.9		33.3		25	85.1					10.2			3.5	4.1		7.6		33.3				
182+20.00	187+80.63	L	560.63	23.00	12894.5	1277.0		1681.9		1432.7			238.8	275.1	171.9			59.7		129.3	427.8				560.6		
187+80.63	189+02.58	L	121.95	23.00	2804.9	277.8		365.9		311.7			51.9	59.8	37.4			13.0		59.8	93.0				122.0		
189+02.58	228+95.02	L	3992.44	23.00	91826.1	9093.9		11977.3		10202.9			1700.5	1959.3	1224.3			425.1		921.0	3046.6	3992.4					
228+95.02	230+08.74	L	113.72	23.00	2615.6	259.0		341.2		290.6			48.4	55.8	34.9			12.1		26.2	86.7			113.7			
230+08.74	252+87.50	L	2278.76	23.00	52411.5	5190.5		6836.3		5823.5			970.6	1118.3	698.8			242.6		525.7	1738.9	2278.8					
252+87.50	254+87.43	L	199.93	23.00	4598.4	455.4		644.2		510.9			85.2	98.1	61.3			21.3		46.1	152.6			199.9			
254+87.43	266+62.50	L	1175.07	23.00	27026.6	2676.5		3525.2		3003.0			500.5	576.7	360.4			125.1		271.1	896.7	1175.1			199.9		
266+62.50	269+83.00	L	320.50	23.00	7371.5	730.0		961.5		819.1			136.5	157.3	98.3			34.1		73.9	244.5			320.5			
269+83.00	272+97.00	L	314.00	23.00	7222.0	715.2		942.0		802.4			133.7	154.1	96.3			33.4		72.4	239.5	314.0					
272+97.00	273+30.00	L	33.00	23.42	772.9	75.2		100.5	26	85.9			14.3	16.5	10.3			3.6		7.8	25.7	33.0					
273+30.00	275+22.60	L	192.60	28.46	5481.4		192.6			609.0					73.1			25.4	29.6		55.0			192.6			
275+22.60	283+46.30	L	823.70	30.50	25122.9					2791.4					335.0			116.3	135.7		252.0						
283+46.30	285+97.50	L	251.20	27.75	6970.8		251.2		25	774.5					92.9			32.3	37.6		69.9			251.2			
285+97.50	309+45.05	L	2347.55	23.00	53993.7	5347.2		7042.7		5999.3			999.9	1152.0	719.9			250.0		541.5	1791.4	2347.6					
309+45.05	310+45.98	L	100.93	23.00	2321.4	229.9		302.8		257.9			43.0	49.5	31.0			10.7		23.3	77.0	100.9					
310+45.98	318+02.78	L	756.80	23.00	17406.4	1723.8		2438.6		1934.0			322.3	399.4	232.1			80.6		174.6	577.5			756.8			
318+02.78	318+94.15	L	91.37	23.00	2101.5	208.1		274.1		233.5			38.9	48.2	28.0			9.7		21.1	69.7						
318+94.15	357+24.15	L	3830.00	23.00	88090.0	8723.9		11490.0		9787.8			1631.3	1879.5	1174.5			407.8		883.5	2922.6	3830.0					
357+24.15	358+62.56	L	138.41	23.00	3183.4	315.3		415.2		353.7			59.0	67.9	42.4			14.7		31.9	105.6			138.4			
358+62.56	399+90.00	L	4127.44	23.00	94931.1	9401.4		12382.3	25	10547.9			1758.0	2025.5	1265.7			439.5		952.1	3149.6	4127.4					
399+90.00	400+32.00	L	42.00	23.00	966.0		42.0			107.3					12.9			4.5	5.2		9.7	42.0					
400+32.00	402+72.30	L	240.30	27.75	6668.3		240.3			740.9					88.9			30.9	36.0		66.9			240.3			
402+72.30	409+04.90	L	632.60	30.50	19294.3					2143.8					257.3			89.3	104.2		193.5						
409+04.90	411+20.00	L	215.10	27.75	5969.0					663.2					79.6			27.6	32.2		59.8						
						60164.6	1325.6	79110.8	126.0	67223.4	12531.2		11212.2	12862.5	9570.2			3323.0	609.0	6067.9	21212.1	21896.0	2124.9	1207.1	422.3	25.1	
SUBTOTALS CARRIED TO SHEET 418						60165	1326	79111	126	67224	12532		11213	12863	9571			3323	6677	21213	21896	2125	1208	423	26		

**PAVEMENT SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
JMP  
CHECKED  
WDB

415  
1253



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STATION		SIDE	LENGTH	AVERAGE WIDTH	CALCULATED SURFACE AREA	CADD GENERATED SURFACE AREA	202	203	204	252	254	254	301	301	304	407	441	441	442	442	442	452	609	609	609	609	609	617
FROM	TO						PAVEMENT REMOVED, AS PER PLAN	CURB REMOVED	SUBGRADE COMPACTION	FULL DEPTH PAVEMENT SAWING	1.50" PAVEMENT PLANING, ASPHALT CONCRETE	3.25" PAVEMENT PLANING, ASPHALT CONCRETE	6" ASPHALT CONCRETE BASE, PG64-22, (449)	6" ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG64-22	6" AGGREGATE BASE	NON-TRACKING TACK COAT	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	3.25" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	1.5" ASPHALT CONCRETE SURFACE COURSE, 12.5mm, TYPE A, (446), AS PER PLAN, PG76-22M	1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28	3.25" ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A, (446), AS PER PLAN, PG64-28	ANTI-SEGREGATION EQUIPMENT	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	COMBINATION CURB AND GUTTER, TYPE 2	COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN	CURB, TYPE 6	CURB, TYPE 2A
SY	CY	SY	FT	SY	SY	CY	CY	CY	GAL	CY	CY	CY	CY	CY	CY	CY	CY	CY	FT	FT	FT	FT	FT	FT	FT	FT	FT	
RAMP A																												
887+00.00	888+12.00	L/R	112.00	38.00	4256.0		472.9		522.7	38	472.9				84.4	56.7												4.2
888+12.00	889+77.20	L/R	165.20	39.53	6530.4		725.6		799.0		725.6				125.0	87.1												3.1
889+77.20	892+68.31	L/R	291.11	28.00	8151.1		905.7		1035.1		905.7				158.1	108.7												5.4
RAMP B																												
891+00.00	892+36.39	L/R	136.39	38.00	5182.8		575.9		636.5	38	575.9				102.7	69.1												5.1
892+36.39	893+51.80	L/R	115.41	35.29	4072.8		452.7		503.8		452.5				78.3	54.3												2.2
893+51.80	894+72.93	L/R	121.13	26.00	3149.4		349.9		403.8		349.9				61.3	42												2.3
BLASÉ NEMETH																												
102+50.00	103+15.49	L/R	65.49	45.98		3011.4	334.6		363.7	32	334.6					40.2	13.9											2.5
NARROWS																												
0+53.42	1+25.98	L/R	72.56	32.76		2377.4	224.8		296.4	28	264.2	264.2	44.9		45.4	31.7	11.0											
0+27.70	2+30.00	R	202.30				429.2			66																		
LANE																												
17+50.00	18+15.00	L/R	65.00	37.00	2405.0										32.1	11.1	13.0											
18+15.09	19+78.87	L/R	163.78	28.82		4719.6	36.4		597.2	165		820.3	17.3		21.9	62.9	21.9	25.5										
20+40.81	20+54.63	L/R	13.82	84.62		1169.4						129.9			15.6	5.4	6.3											
BLACKMORE																												
10+27.95	11+00.00	L/R	72.05	24.00		2822.6	387.7		345.6		313.6		52.3		52.3	37.6	13.1											
11+00.00	11+25.00	L/R	25.00	22.00	550.0				72.2	20	61.1		10.3		10.6	7.3	2.5											1.0
OHIO																												
8+75.00	8+98.40	L	23.40	10.69		250.1	23.8		38.2	9	27.8		4.8		5.0	3.3	1.2											0.5
8+98.40	9+73.77	L	75.37	28.98		2184.2	208.0		276.2		242.7		40.4		43.8	29.1	10.1											
8+75.00	9+50.72	R	75.72	11.91		901.9	100.2		133.9	12	100.2		17.2		17.9	12.0	4.2											2.9
9+50.72	9+73.77	R	23.05	19.95		459.9	42.7		61.3		51.1		8.5		13.8	6.1	2.1											
PERRY PARK																												
10+25.28	10+44.01	L	18.73	19.39		363.2	22.8		48.7		40.4		6.7		10.1	4.8	1.7											
10+44.01	11+75.00	L	130.99	11.06		1448.8	107.4		219.2	11	161.0		27.6		28.9	19.3	6.7											2.5
10+25.28	10+95.87	R	70.59	25.06		1769.3	148.1		228.0		196.6		32.8		36.1	23.6	8.2											
10+95.87	11+75.00	R	79.13	10.98		868.9	99.9		131.7	11	96.5		16.6		17.3	11.6	4.0											1.5
MIDDLE RIDGE																												
10+47.65	13+50.00	L/R	302.35	34.57		10453	801.5		1298.4	21	1161.4		196.6		201.2	139.4	48.4											9.2
CENTER																												
8+84.09	9+66.73	L	82.64	50.94		4209.6					467.7				87.9		19.5	22.7										
							6449.8		8011.6	451.0	6533.7	1949.3	531.8	587.7	1270.7	894.5	185.0	67.5	275.1	121.0		314.4	1023.1		633.1	165.0		42.4
SUBTOTALS CARRIED TO SHEET 418							6450		8012	451	6534	1950	532	588	1271	895	185		343	121		315	1024		634	165		43

**PAVEMENT SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
JMP  
CHECKED  
WDB

417  
1253

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STATION		SIDE	LENGTH	AVERAGE WIDTH	CALCULATED SURFACE AREA	CADD GENERATED SURFACE AREA	202	203	204	252	254	254	301	301	304	407	441	441	442	442	442	452	609	609	609	609	609	617				
FROM	TO						SY	CY	SY	FT	SY	SY	CY	CY	CY	GAL	CY	CY	CY	CY	CY	CY	CY	CY	SY	FT	FT	FT	FT	SY	CY	
PARMLY																																
10+23.00	10+62.59	L	39.59	18.80		744.1	60.3		108.9																							
10+62.59	11+00.00	L	37.41	10.00	374.1		41.6		58.2	9	41.6				17.6	9.9	3.4															
10+23.00	10+62.59	R	39.59	24.55		972.0	108.0		139.3		108.0				9.4	5.0	1.7															
10+62.59	11+00.00	R	37.41	13.58		507.9	56.4		71.2	11	56.4				11.6	6.8	2.4															
RED MILL WEST																																
10+16.82	11+11.50	L/R	94.68	20.94		1982.9	234.9				20	220.3			43.2	26.4	9.2												1.8			
RED MILL WEST																																
10+27.63	10+90.00	L	62.4	16.33		1018.3	91.9		140.9			113.1			20.8	13.6	4.7															
10+90.00	11+15.00	L	25.0	9.25	231.3		22.2		36.8			25.7			4.7	3.1	1.1												0.5			
10+27.63	10+90.00	R	62.4	12.38		771.9	85.8		113.5			85.8			20.5	10.3	3.6															
10+90.00	11+15.00	R	25.0	10.00	250.0		27.8		38.9			27.8			6.3	3.3	1.2															
CALL ROAD																																
8+25.00	9+25.42	L	100.4	11.26		1131.1	125.7					125.7			22.5		5.2													1.9		
9+25.42	9+76.52	L	51.1	22.28		1138.7	98.3					126.5			25.4	15.2	5.3															
8+25.00	9+47.19	R	122.2	11.79		1441.1	160.1			12	160.1				28.6		6.7													2.3		
9+47.19	9+76.52	R	29.3	23.51		689.5	55.8					12.8			16.4	9.2	3.2															
ANTIOCH																																
10+24.00	11+00.00	L	76.00	23.54		1788.8	198.8			19	198.8				35.6																	
10+24.00	11+00.00	R	76.00	32.64		2480.5	275.6			19	275.6				48.8																	
TOWNLINE																																
9+01.54	9+67.42	L/R	65.88	54.98		3621.8						402.4			77.0	16.8	19.6															
10+32.58	11+02.86	L/R	70.28	55.71		3915.3						435.0			82.4	18.1	21.1															
TRENCH REPAIR																																
285+95.00	286+00.00	L/R	5.00	38.60		193.0	21.4		21.4	39			3.6		3.6																	
399+90.00	399+95.00	L/R	5.00	37.00		185.0	20.6		20.6	37			3.4		3.4																	
400+10.00	402+65.00	L/R				1821.0	202.3	176.9	202.3	296			33.7		40.3															176.9		
							1887.5	176.9	952.0	474.0	1648.1	837.4	251.2		381.5	275.2	87.1	40.7	134.9			474.4	739.8		176.9	198.2		6.5				
SUBTOTALS THIS SHEET							1888	177	952	474	1649	838	252		382	276	88	176					475	740		177	199		7			
SUBTOTALS FROM SHEET 415							60165	1326	79111	126	67224	12532		11213	12863	9571					3323	6677	21213		21896	2125	1208		423	26		
SUBTOTALS FROM SHEET 416							61557	41	80105	126	68121	12755		11363	13012	9705						2821	6769	20952		21128	2247					28
SUBTOTALS FROM SHEET 417							6450		8012	451	6534	1950	532	588	1271	895	185					343	121	315	1024		634		165			43
TOTALS CARRIED TO GENERAL SUMMARY							130060	1544	168180	1177	143528	28075	784	23164	27528	20447	273					519	6265	13761	43189	475	44398	4372	1550	199	423	104

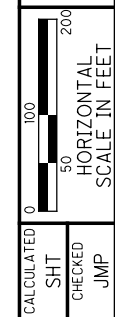
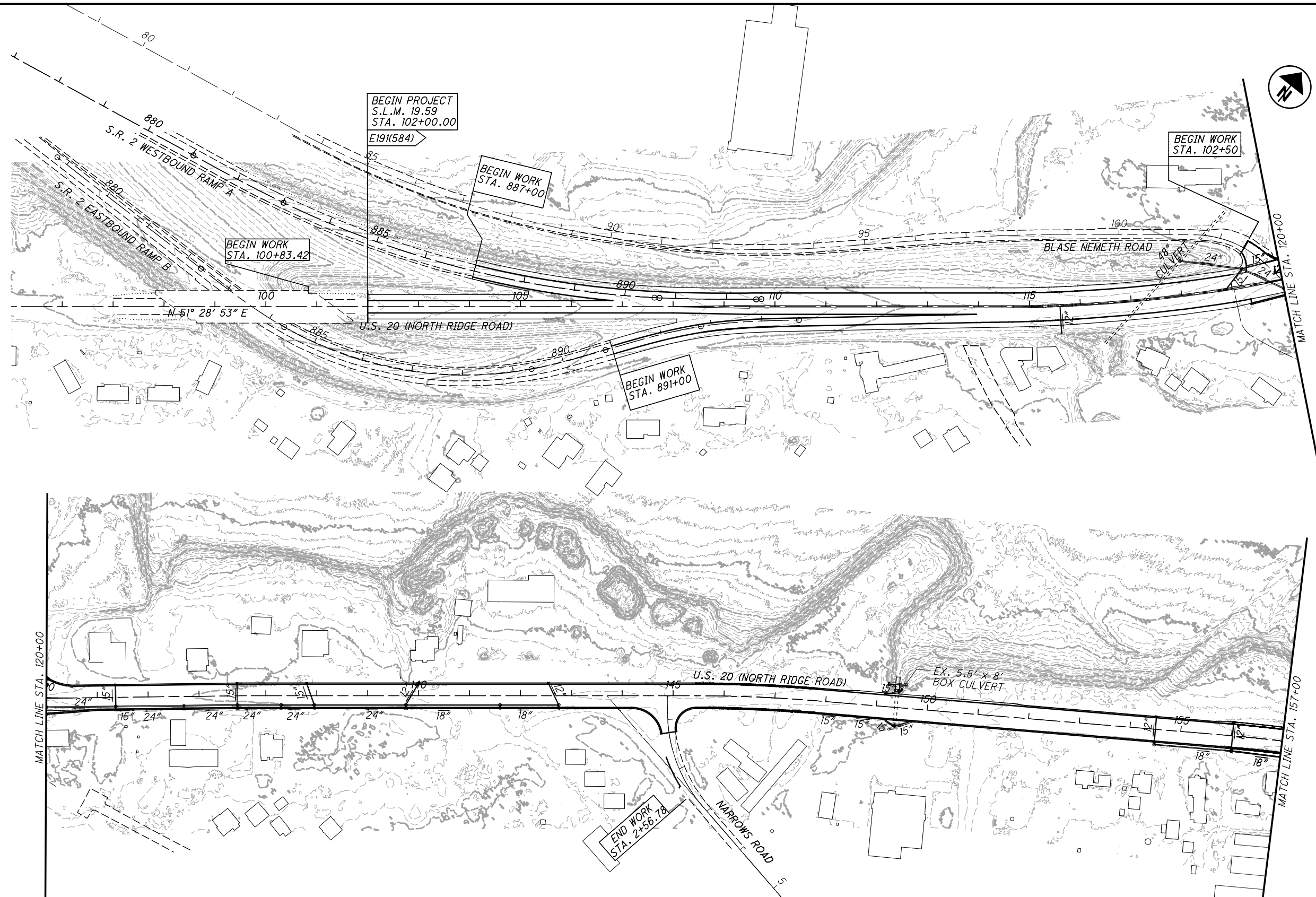
**PAVEMENT SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
JMP  
CHECKED  
WDB

418  
1253

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**PROJECT SITE PLAN  
STA. 95+00 TO STA. 157+00**

**QUANTITIES**

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:  
 832 STORM WATER POLLUTION PREVENTION PLAN  
 832 STORM WATER POLLUTION PREVENTION INSPECTIONS  
 832 STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE  
 832 EROSION CONTROL

**EARTH DISTURBED AREAS**  
 PROJECT EARTH DISTURBED AREA: 55.1 ACRES  
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 1.0 ACRES  
 NOTICE OF INTENT EARTH DISTURBED AREA: 56.1 ACRES

**PROJECT DESCRIPTION**

MAJOR REHABILITATION OF 5.4 MILES OF NORTH RIDGE ROAD (US-20) FROM SR. 2 TO TOWNLINE ROAD IN PERRY TOWNSHIP. WORK WILL INCLUDE ROADWAY WIDENING, RESURFACING AND SIDEWALK, DRAINAGE AND TRAFFIC SIGNAL IMPROVEMENTS.

**LEGEND**

- M.H. NO. 3
  - C.B. 3
  - C.B. 3A
- USGS QUADRANT: MADISON, OHIO  
 LATITUDE: 41°46'26.85" N  
 LONGITUDE: 81°8'59.71" W

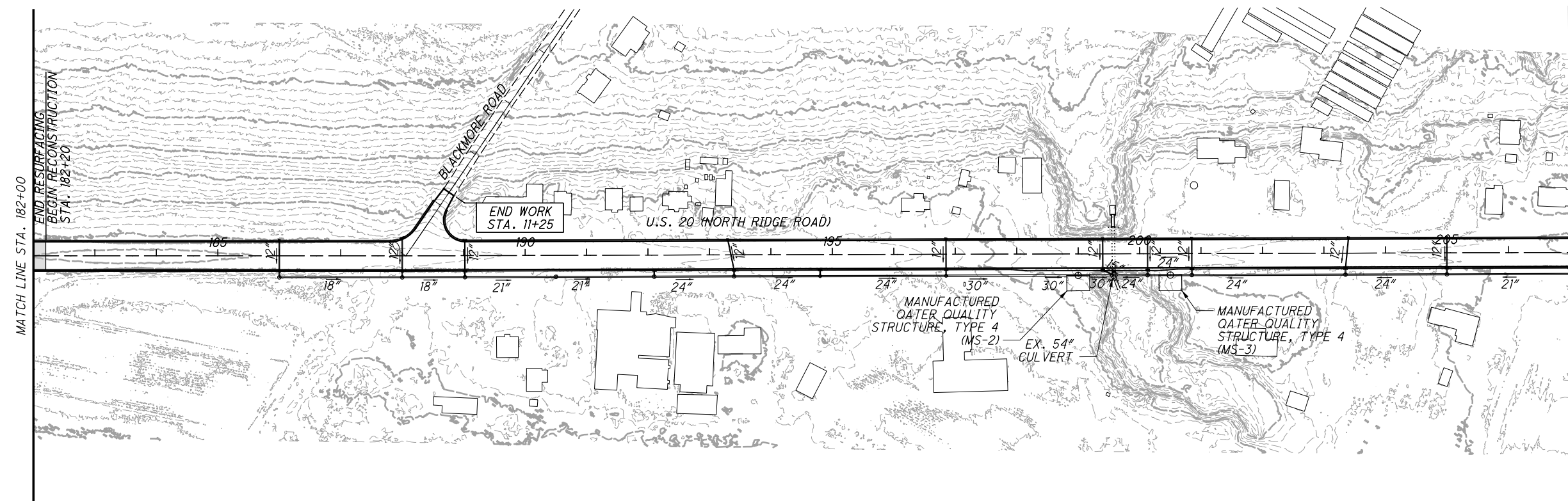
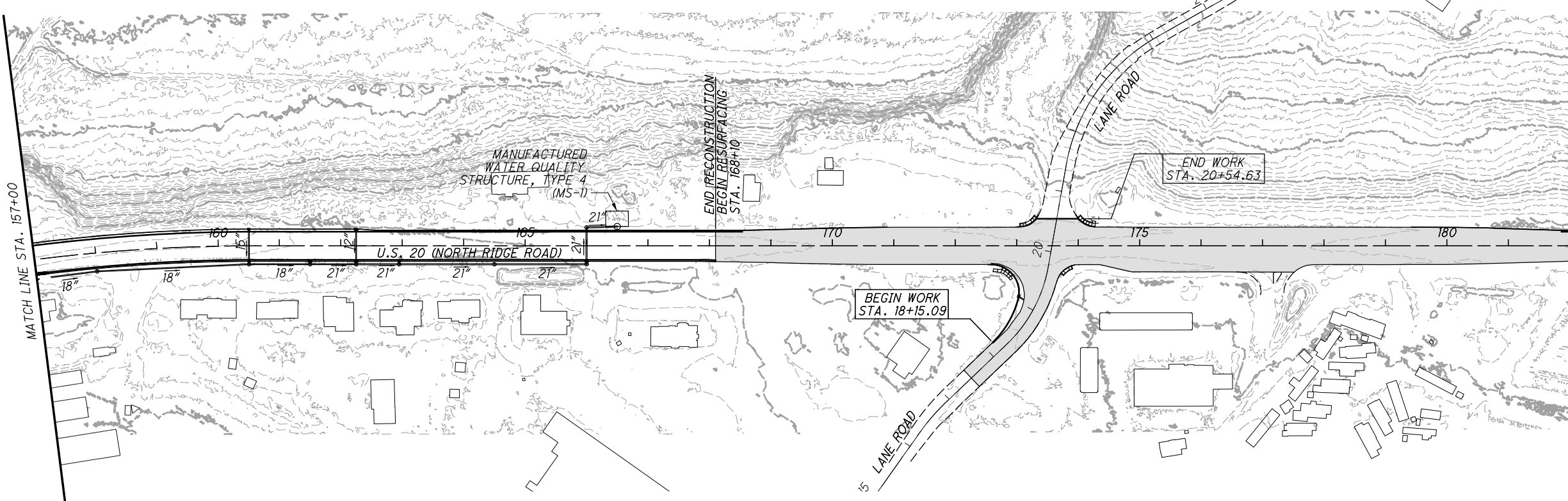
**PROJECT DATA**

TOTAL AREA (RIGHT-OF-WAY)	47.26 Ac.	RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.90
PROJECT EARTH DISTURBED AREA	55.10 Ac.	RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE	0.90
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	1.00 Ac.	A MANUFACTURED WATER QUALITY SYSTEM AND AN EXISTING UNDERGROUND DETENTION/INFILTRATION SYSTEM ARE PROVIDED TO MEET NPDES POST CONSTRUCTION REQUIREMENTS.	
NOTICE OF INTENT EARTH DISTURBED AREA	56.10 Ac.	IMMEDIATE RECEIVING WATERS: ARCOLA CREEK & UNNAMED STREAMS	
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	47.26 Ac.	SUBSEQUENT RECEIVING WATER: LAKE ERIE	
IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE	47.38 Ac.		

**LAK-US-20-19.59  
PART 1**



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= RESURFACING

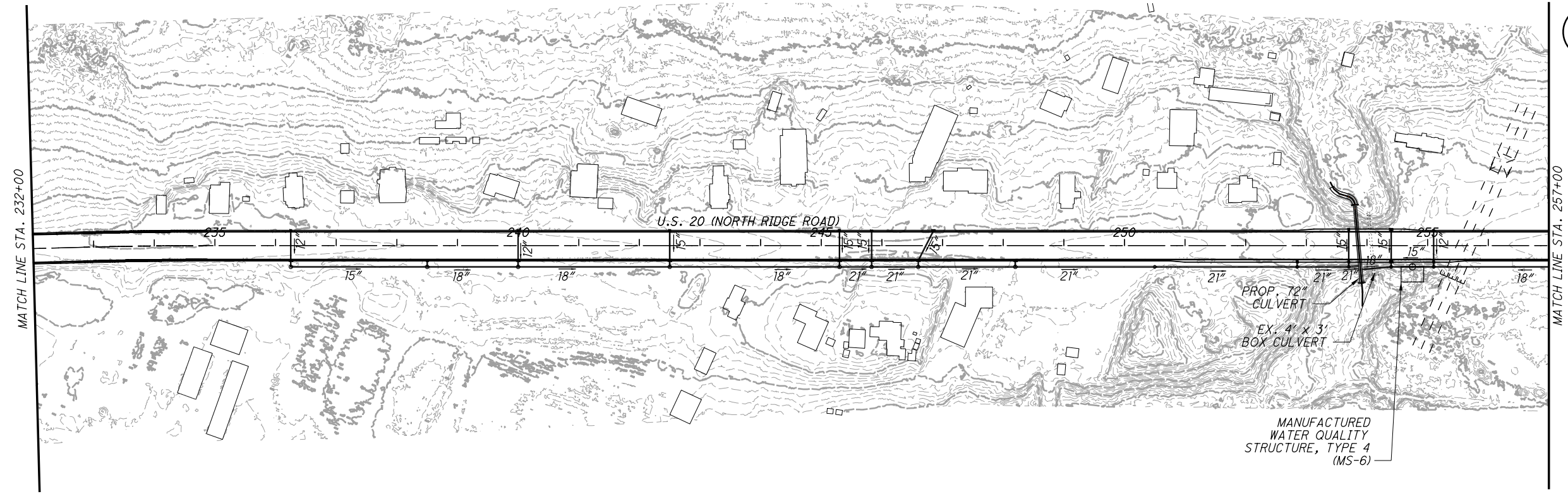
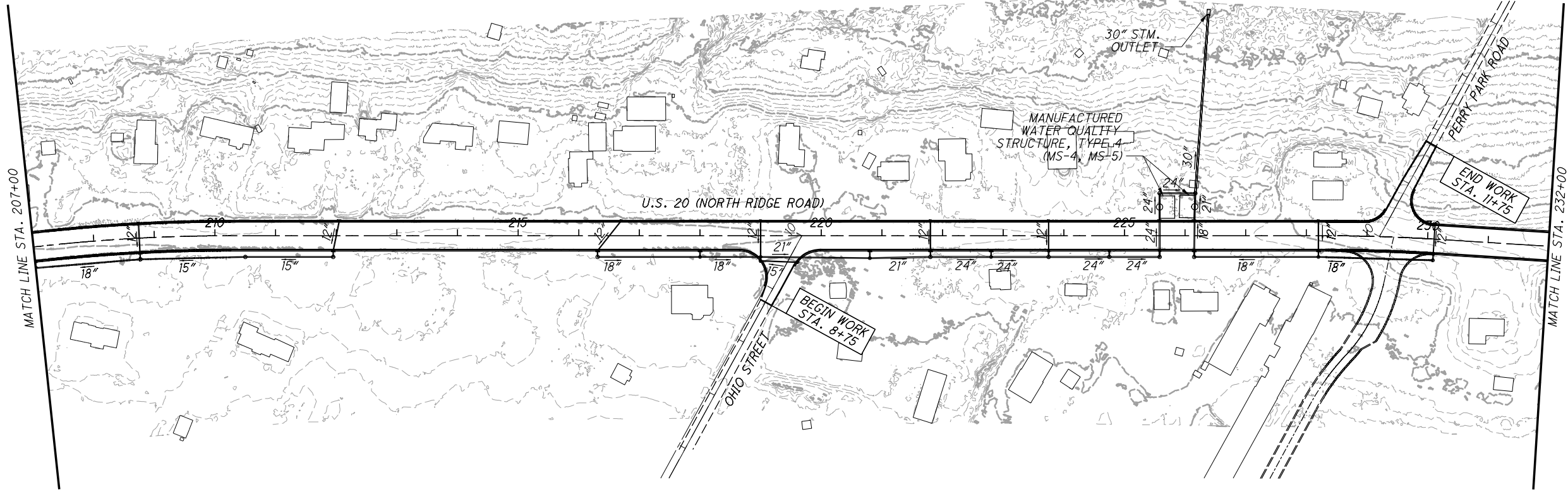
LAK-US-20-19.59  
PART 1

PROJECT SITE PLAN  
STA. 157+00 TO STA. 207+00



420  
1253

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LAK-US-20-19.59  
PART 1

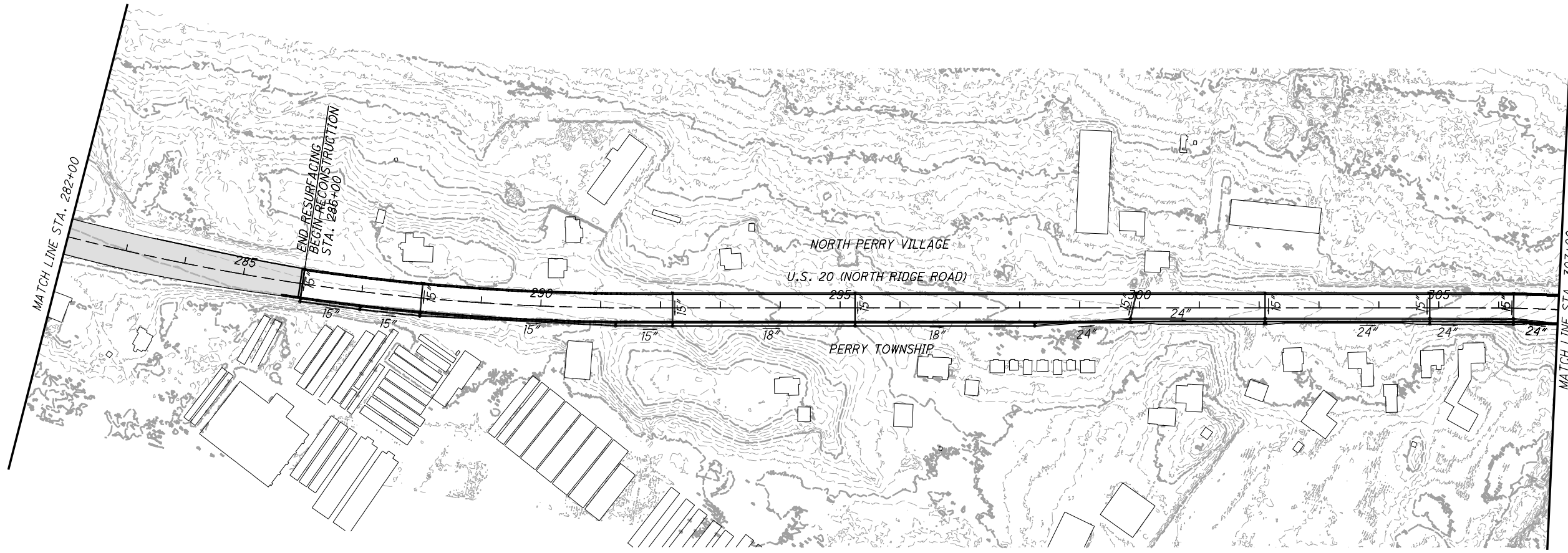
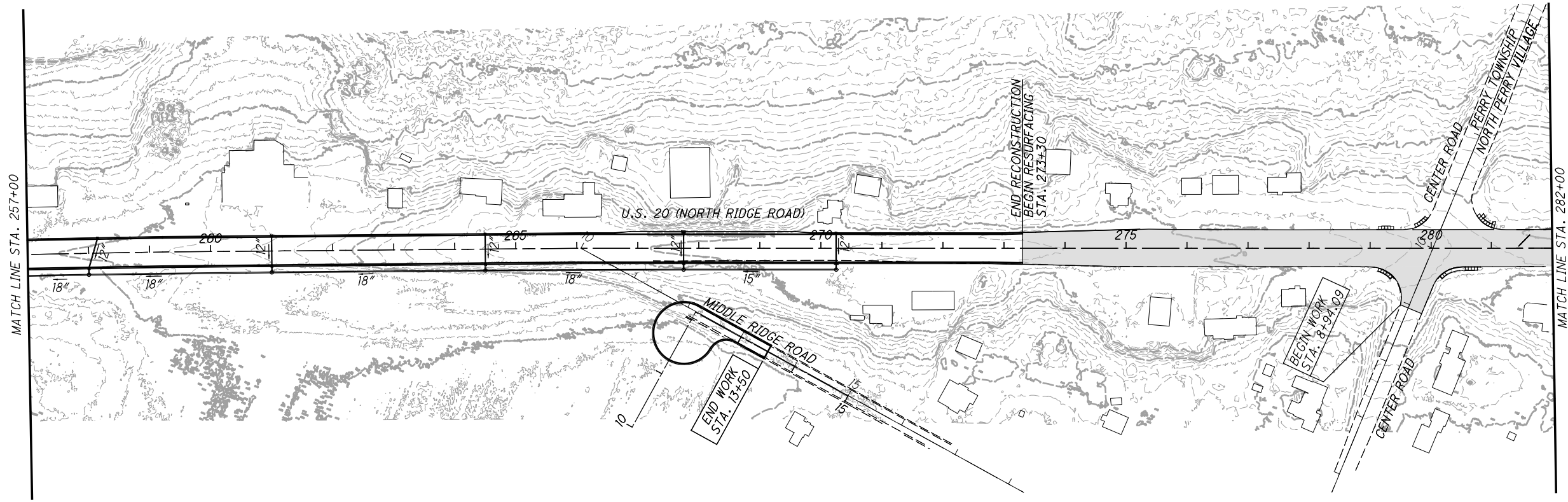
PROJECT SITE PLAN  
STA. 207+00 TO STA. 257+00


CALCULATED	0	100	200
SHT	HORIZONTAL SCALE IN FEET		
CHECKED	JMP		

421  
1253



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LAK-US-20-19.59  
PART 1

422  
1253

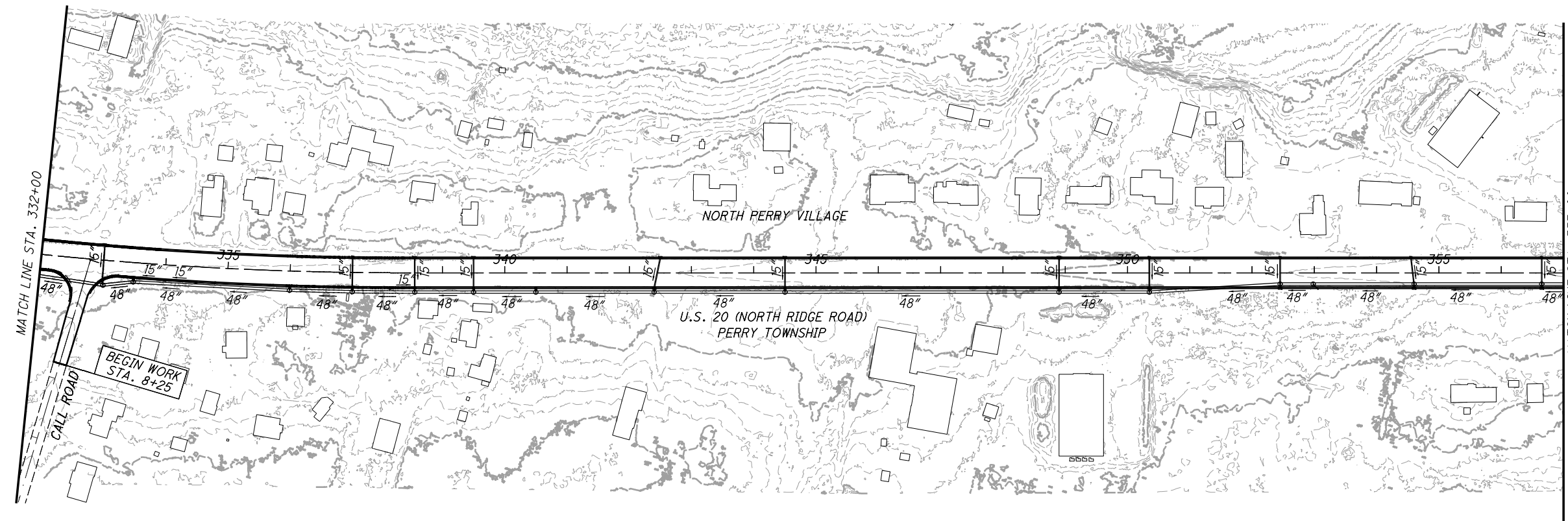
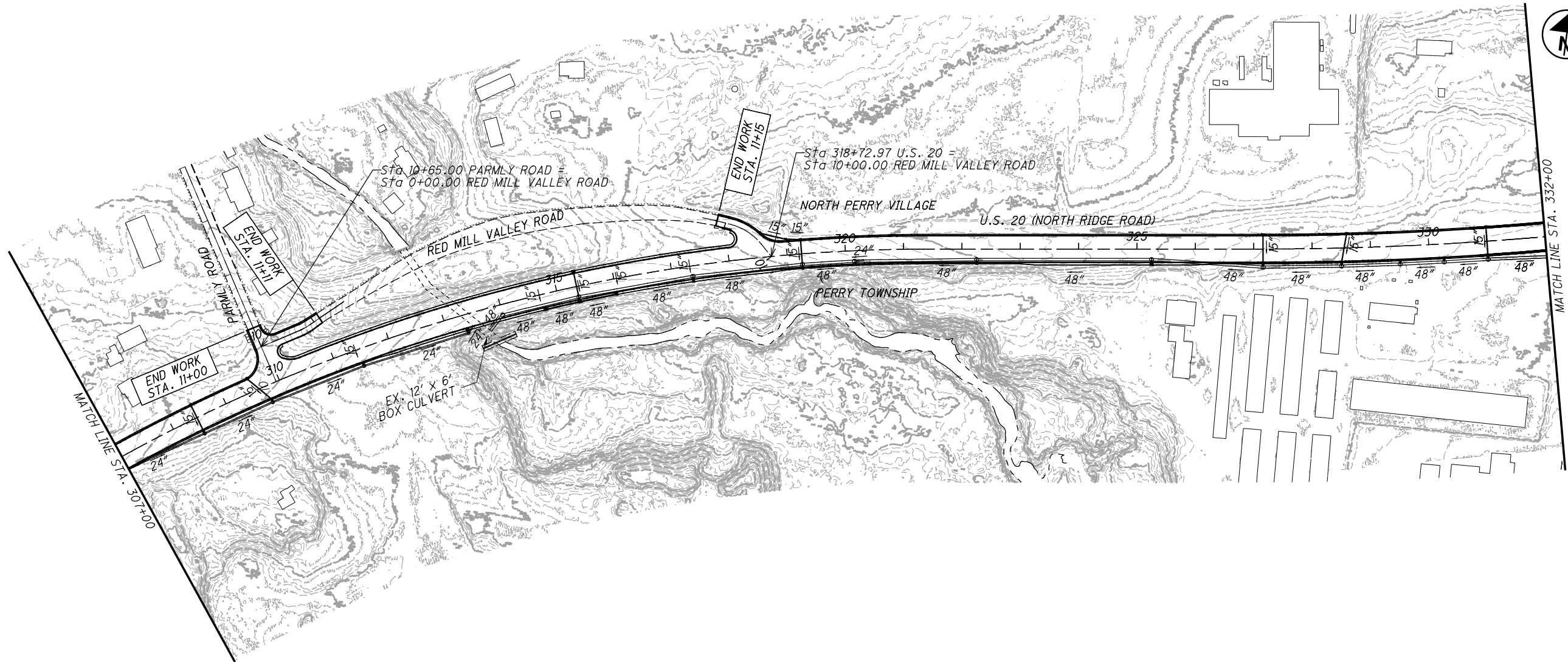
PROJECT SITE PLAN  
STA. 257+00 TO STA. 307+00

CALCULATED	0
SHT	200
CHECKED	JMP

HORIZONTAL SCALE IN FEET



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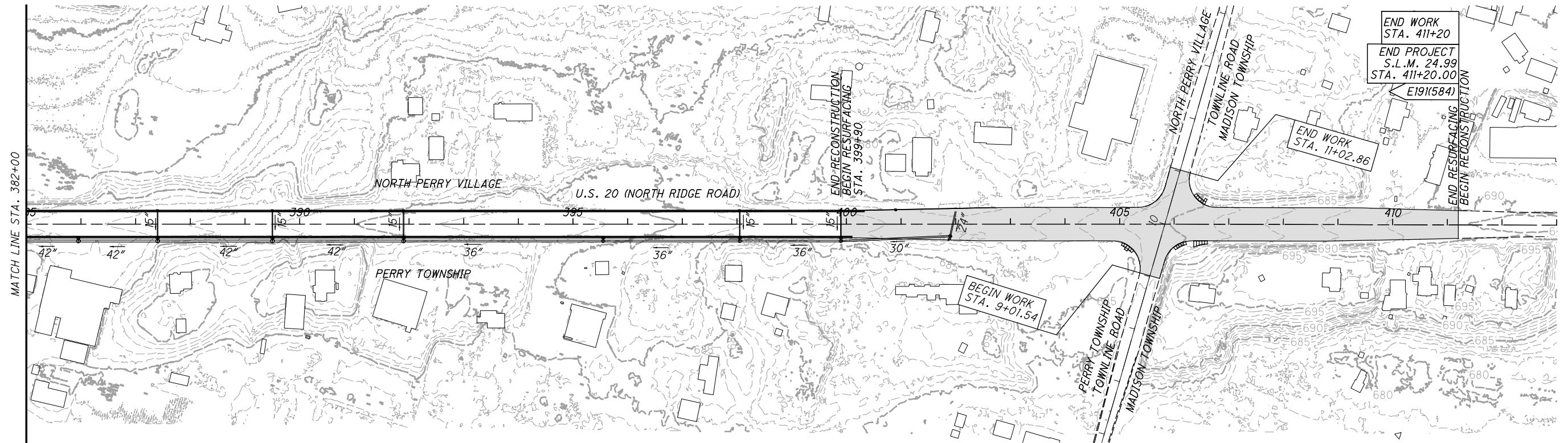
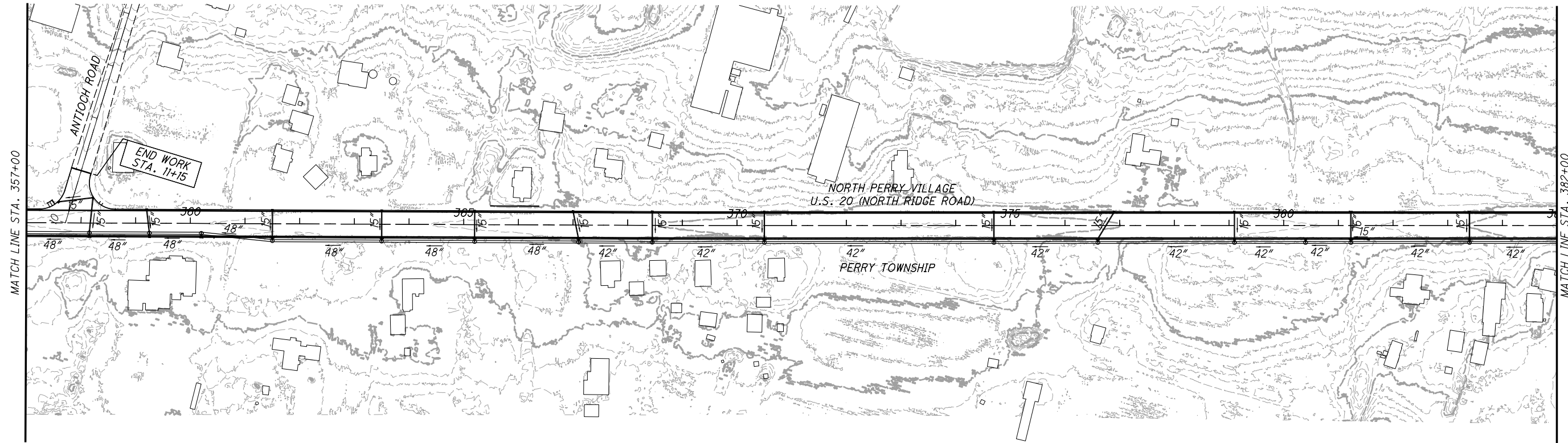
LAK-US-20-19.59  
PART 1

PROJECT SITE PLAN  
STA. 307+00 TO STA. 357+00

CALCULATED	0	100	200
SHT	HORIZONTAL SCALE IN FEET		
CHECKED	JMP		

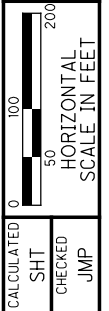
423  
1253

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BMP TYPE	LATITUDE / LONGITUDE		EDA TREATMENT CREDIT
			(ACRES)
MANUFACTURED SYSTEM TYPE 4 (MS-1)	41.765299	-81.183113	2.08
MANUFACTURED SYSTEM TYPE 4 (MS-2)	41.770250	-81.173200	2.28
MANUFACTURED SYSTEM TYPE 4 (MS-3)	41.770486	-81.172750	2.01
MANUFACTURED SYSTEM TYPE 4 (MS-4)	41.774209	-81.165027	1.65
MANUFACTURED SYSTEM TYPE 4 (MS-5)	41.774287	-81.164842	0.98
MANUFACTURED SYSTEM TYPE 4 (MS-6)	41.777348	-81.155179	2.67
EDA TREATMENT CREDIT FOR PROJECT			11.67
EDA TREATMENT REQUIRED			11.12

= RESURFACING

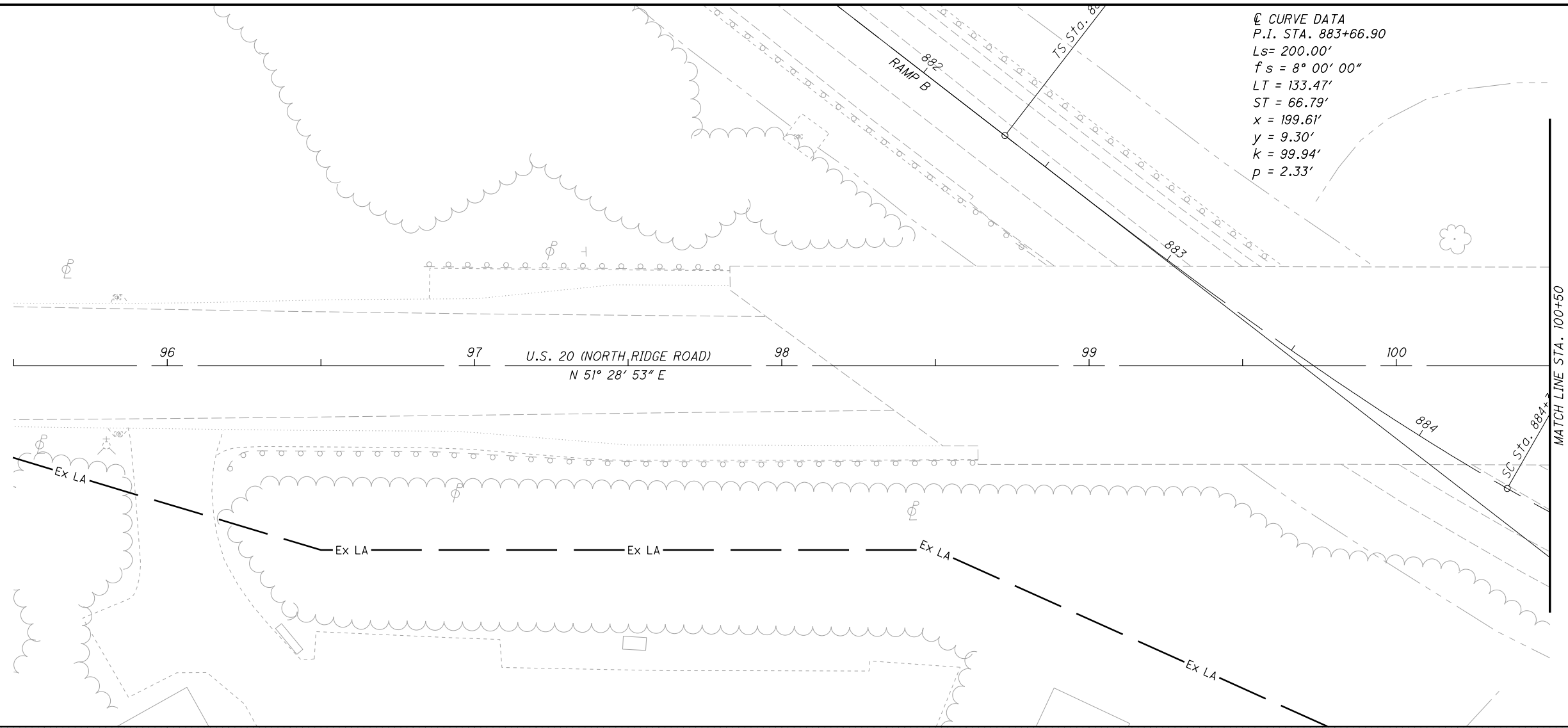


**PROJECT SITE PLAN**  
**STA. 357+00 TO STA. 407+00**

**LAK-US-20-19.59**  
**PART 1**

424  
1253

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☉ CURVE DATA  
P.I. STA. 883+66.90  
Ls = 200.00'  
fs = 8° 00' 00"  
LT = 133.47'  
ST = 66.79'  
x = 199.61'  
y = 9.30'  
k = 99.94'  
p = 2.33'

CALCULATED  
TLS  
CHECKED  
JMP

0 20 40  
HORIZONTAL  
SCALE IN FEET



**PLAN AND PROFILE - U.S. 20**  
**STA. 96+00 TO STA. 100+50**

**LAK-US-20-19.59**  
**PART 1**

425  
1253



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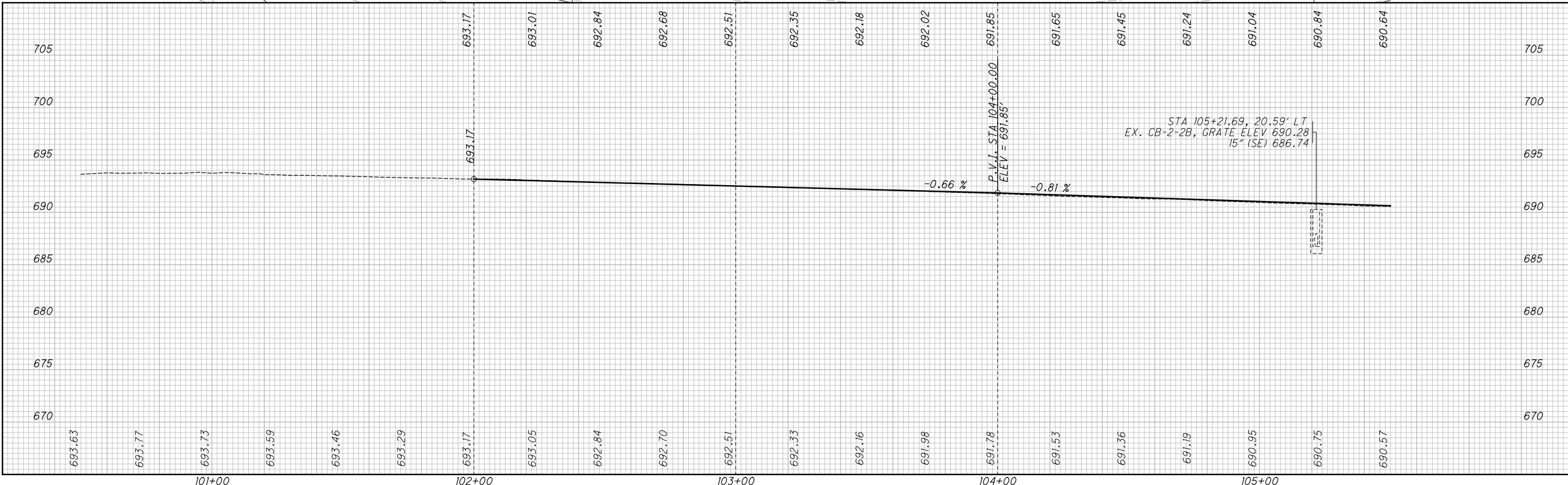
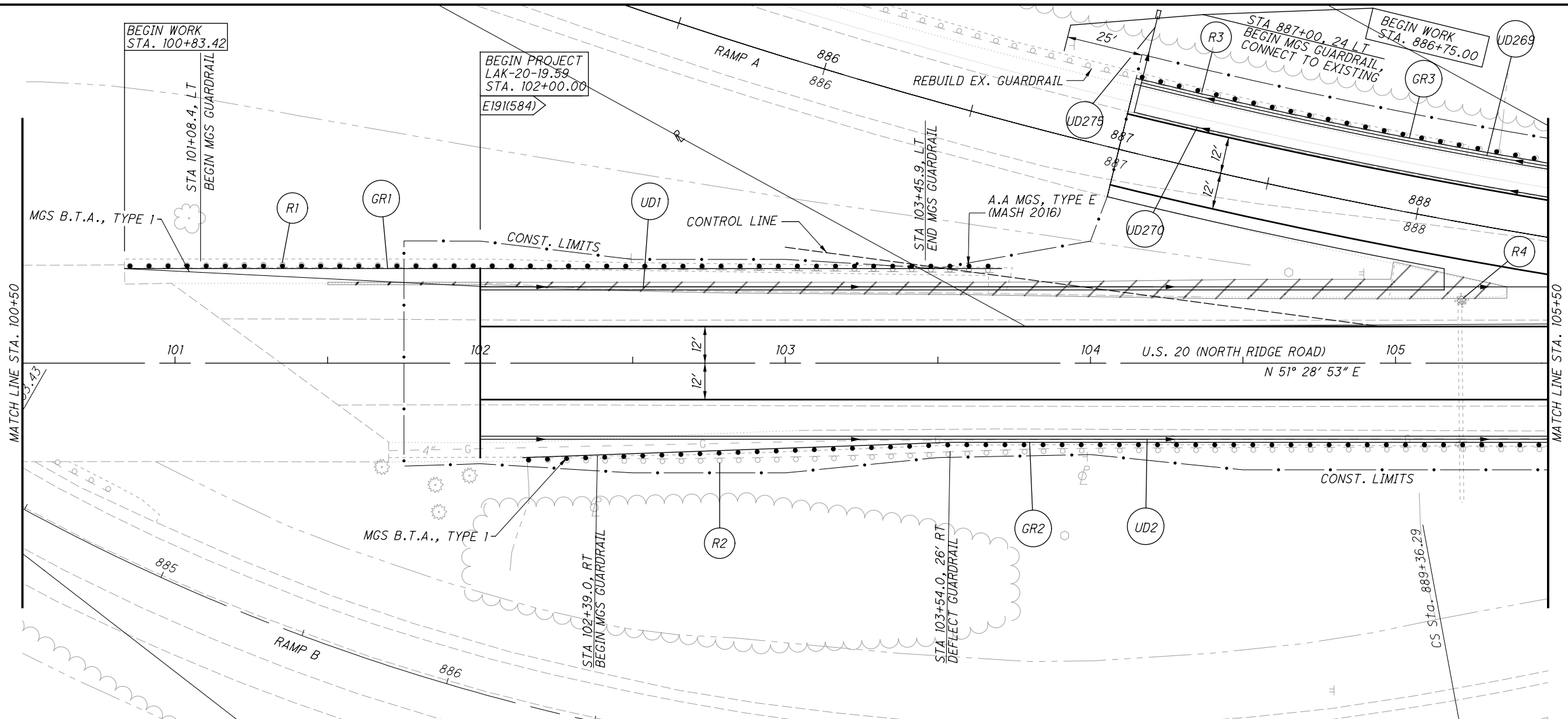
0 20 40  
HORIZONTAL SCALE IN FEET  
CALCULATED TJS CHECKED JMP

**PLAN AND PROFILE - U.S. 20  
STA. 100+50 TO STA. 105+00**

**LAK-US-20-19.59  
PART 1**

426  
1253

EX. RAMP CURVE DATA  
 P.I. Sta. 886+90.29  
 $\Delta = 28^\circ 42' 25''$  (LT)  
 $Dc = 3^\circ 00' 00''$   
 $R = 1,909.84'$   
 $Ls = 200.00'$   
 $\theta s = 3^\circ 00' 00''$   
 $LT = 133.35'$   
 $ST = 66.68'$   
 $x = 199.95'$   
 $y = 3.49'$   
 $k = 99.99'$   
 $p = 0.87'$   
 $\Delta c = 22^\circ 42' 24''$  (LT)  
 $Lc = 756.88'$   
 $Ts = 588.92'$   
 $E = 62.44'$   
 $C = 751.94'$   
 $C1 = C2 = 199.98'$   
 $C.B.1 = N 79^\circ 11' 16'' E$   
 $C.B.2 = N 65^\circ 50' 04'' E$   
 $C.B.2 = S 52^\circ 28' 51'' W$



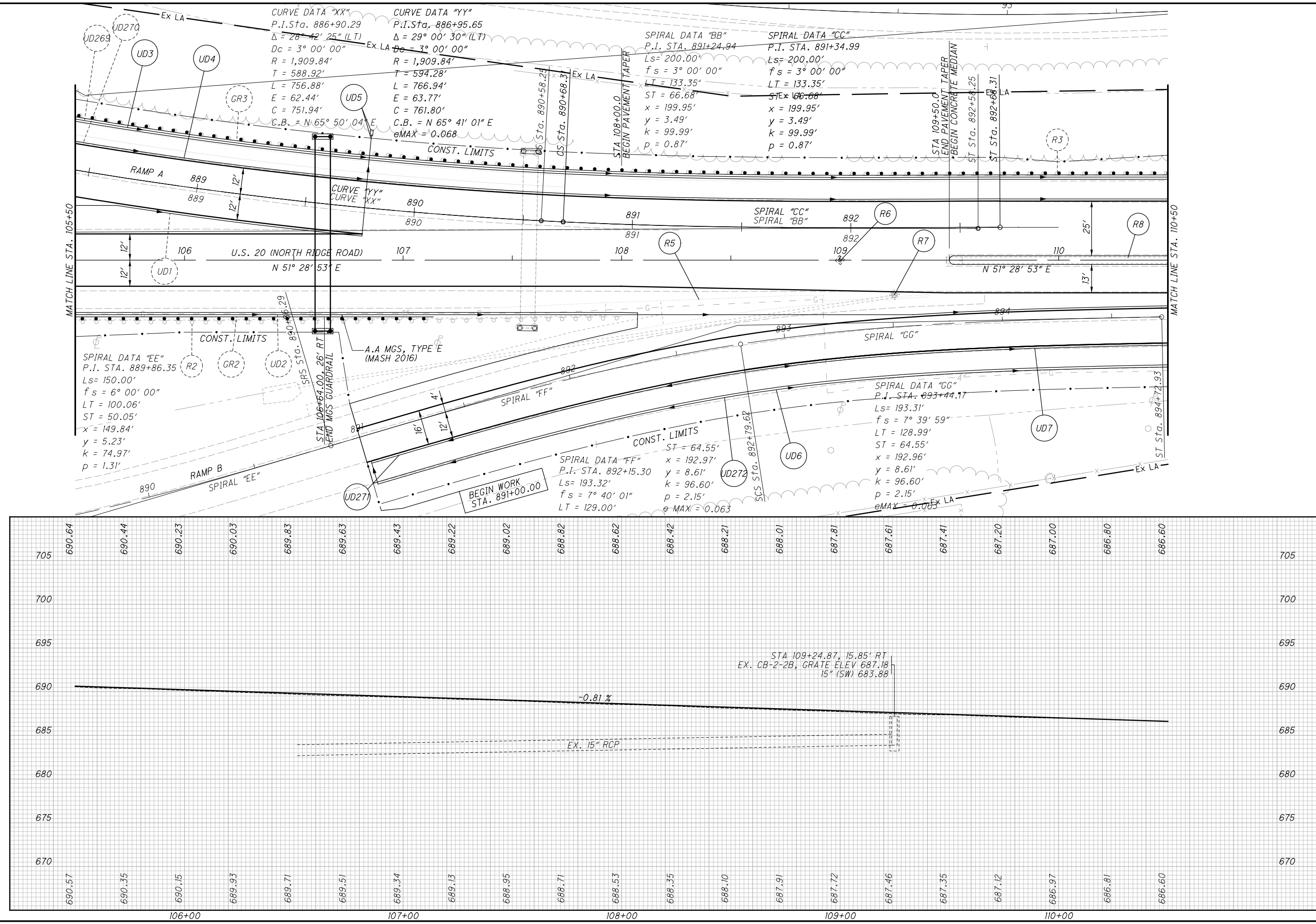
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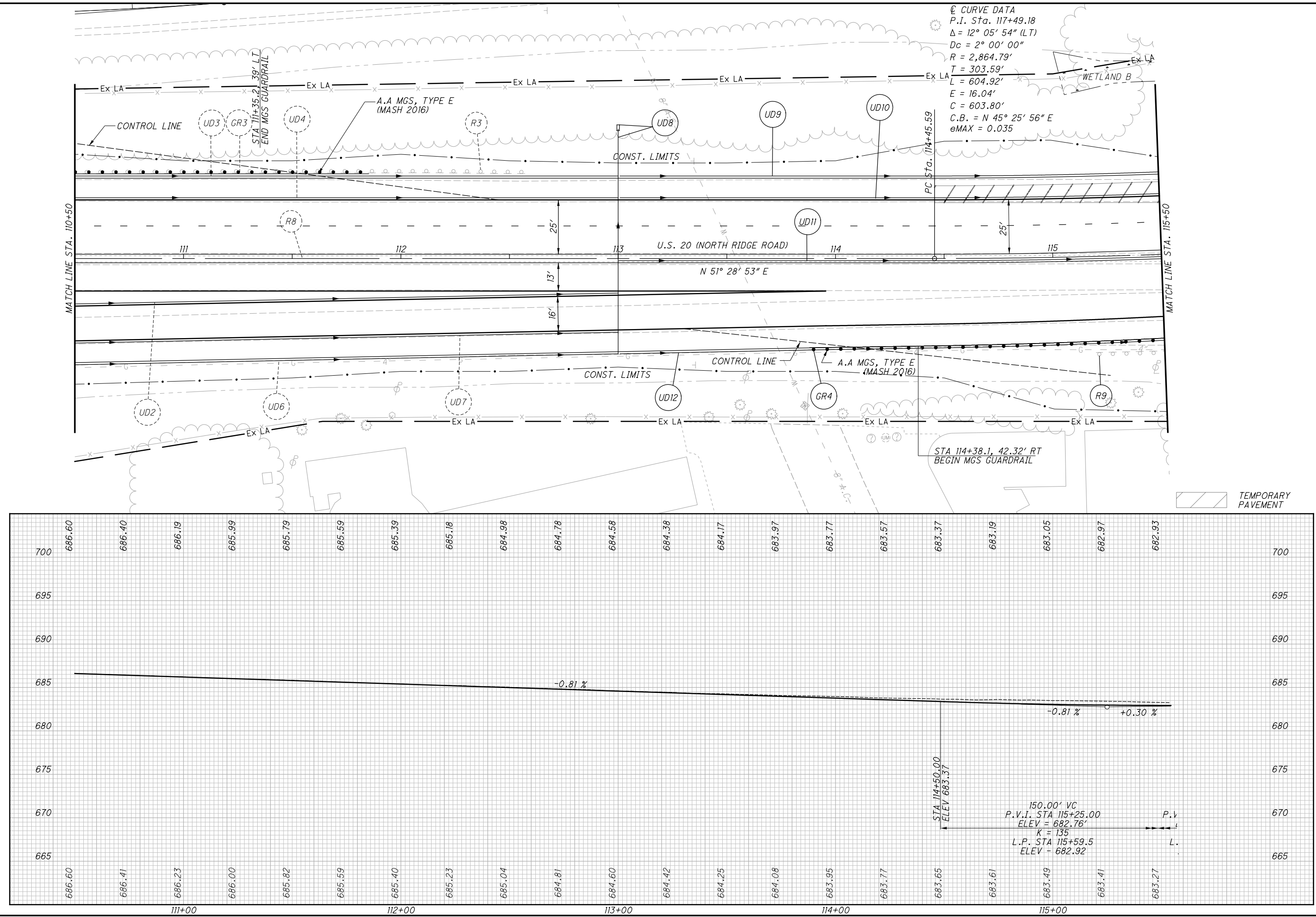
CALCULATED  
TJS  
CHECKED  
JMP

0 20 40  
10  
HORIZONTAL  
SCALE IN FEET

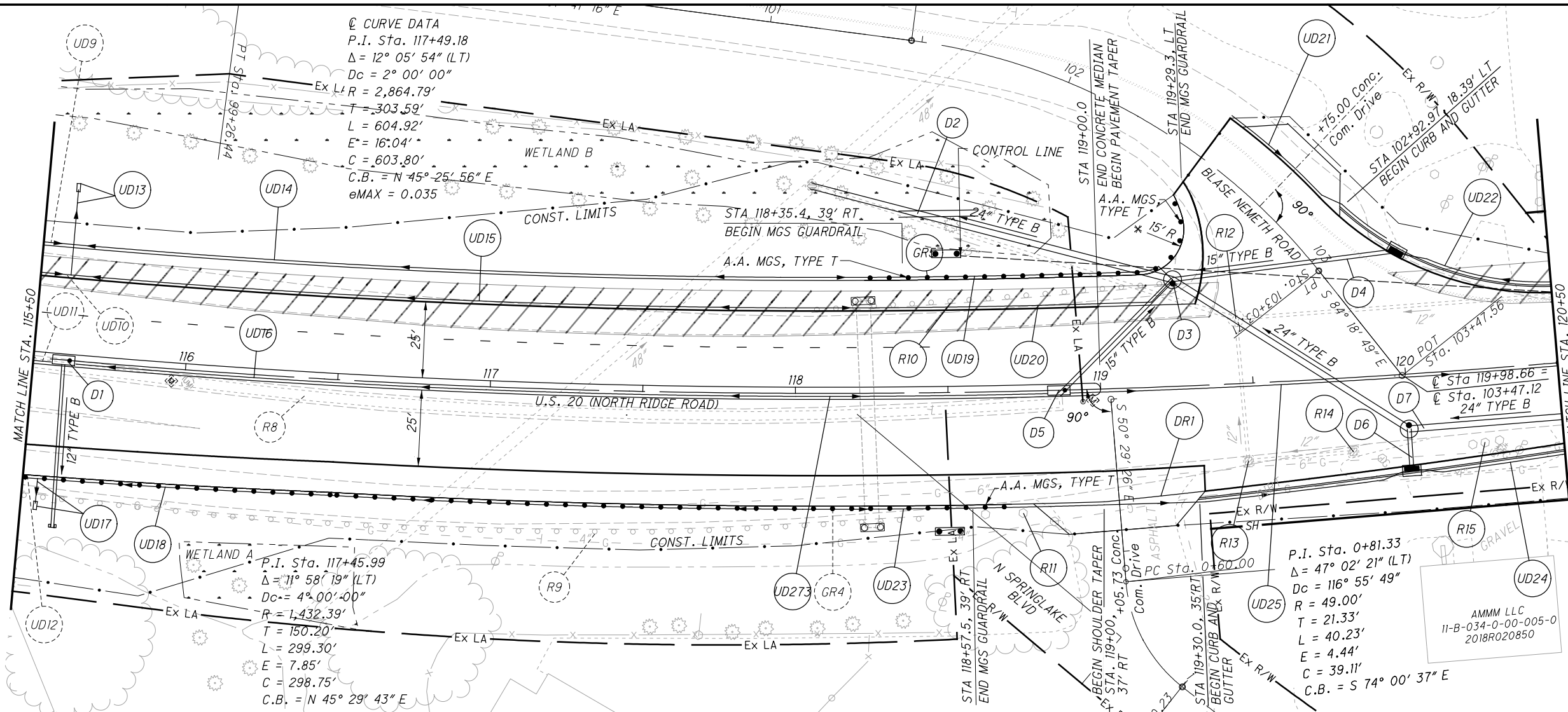
PLAN AND PROFILE - U.S. 20  
STA. 105+50 TO STA. 110+50

LAK-US-20-19.59  
PART 1





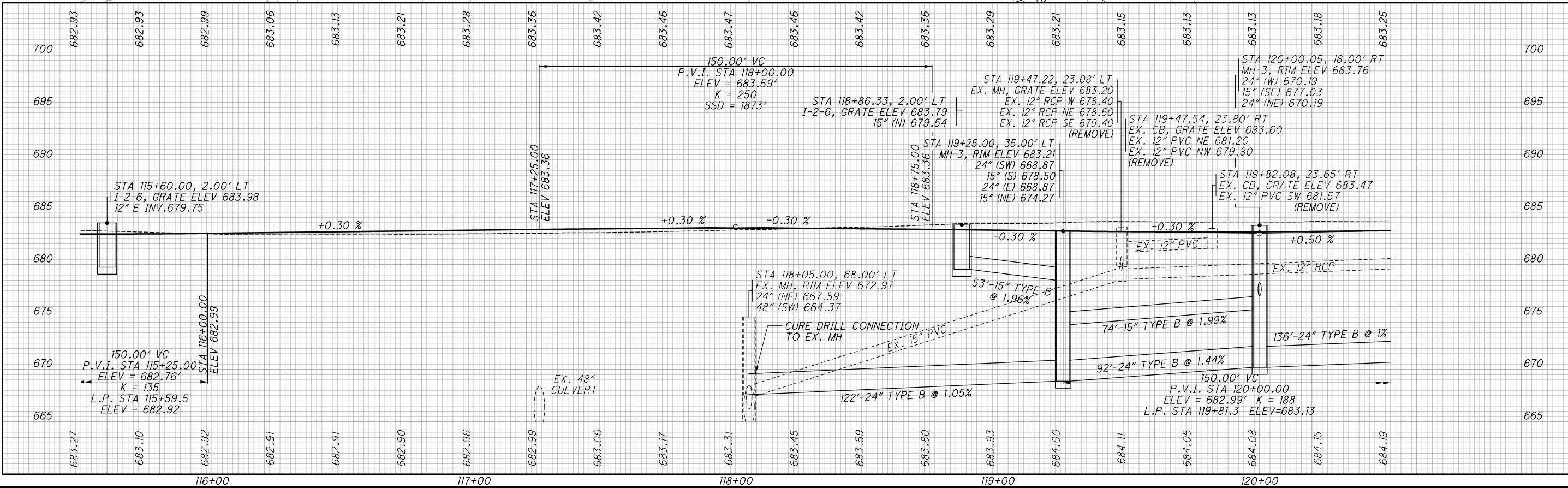
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@ CURVE DATA BLASE NEMETH  
 P.I. Sta. 102+29.24  
 $\Delta = 43^\circ 59' 55''$  (RT)  
 $D_c = 27^\circ 59' 59''$   
 $R = 204.63'$   
 $T = 82.67'$   
 $L = 157.14'$   
 $E = 16.07'$   
 $C = 153.31'$   
 $C.B. = N 73^\circ 41' 14'' E$

CALCULATED  
 TJS  
 CHECKED  
 JMP

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

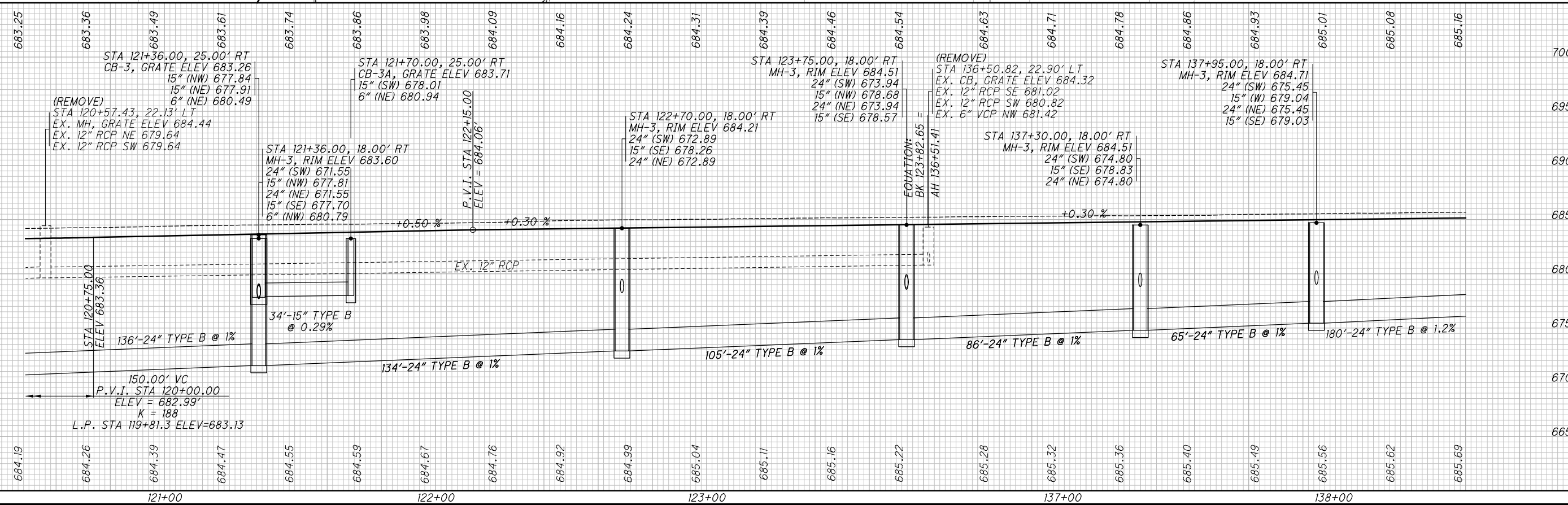
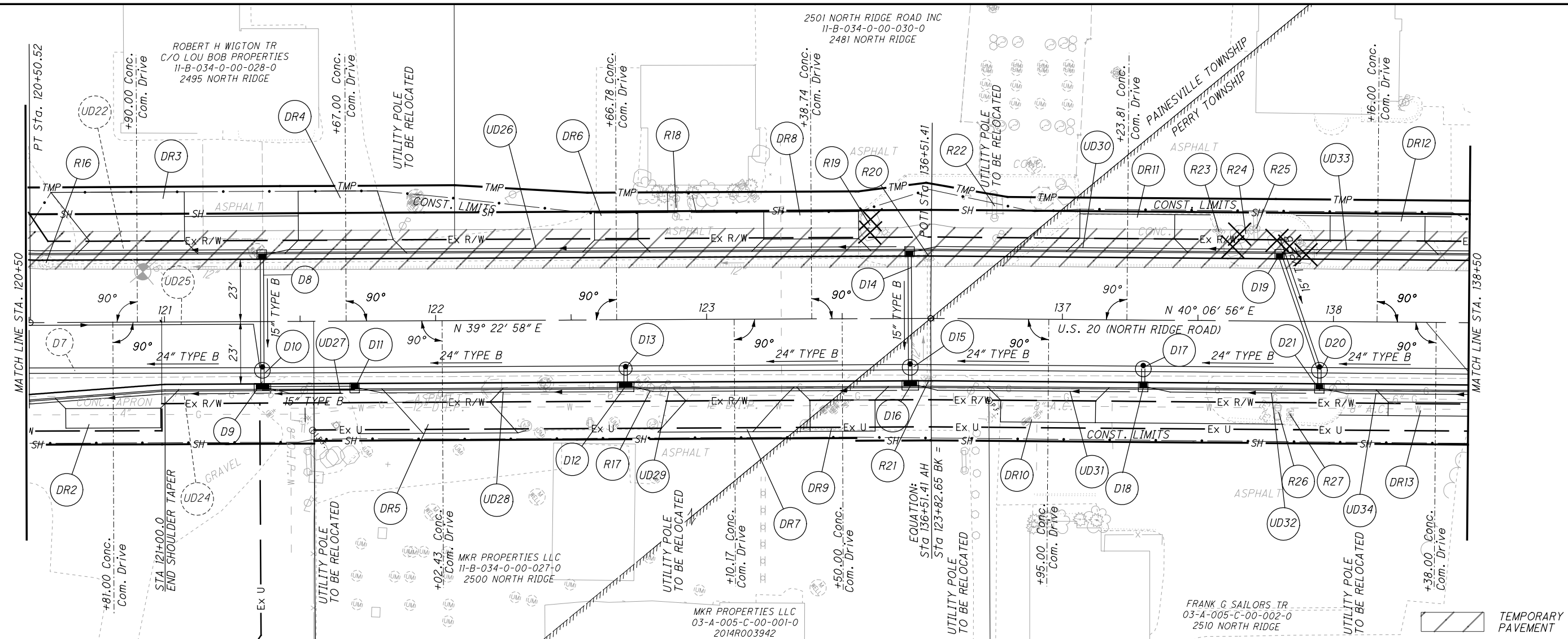


**PLAN AND PROFILE - U.S. 20**  
**STA. 115+50 TO STA. 120+50**

**LAK-US-20-19.59**  
**PART 1**



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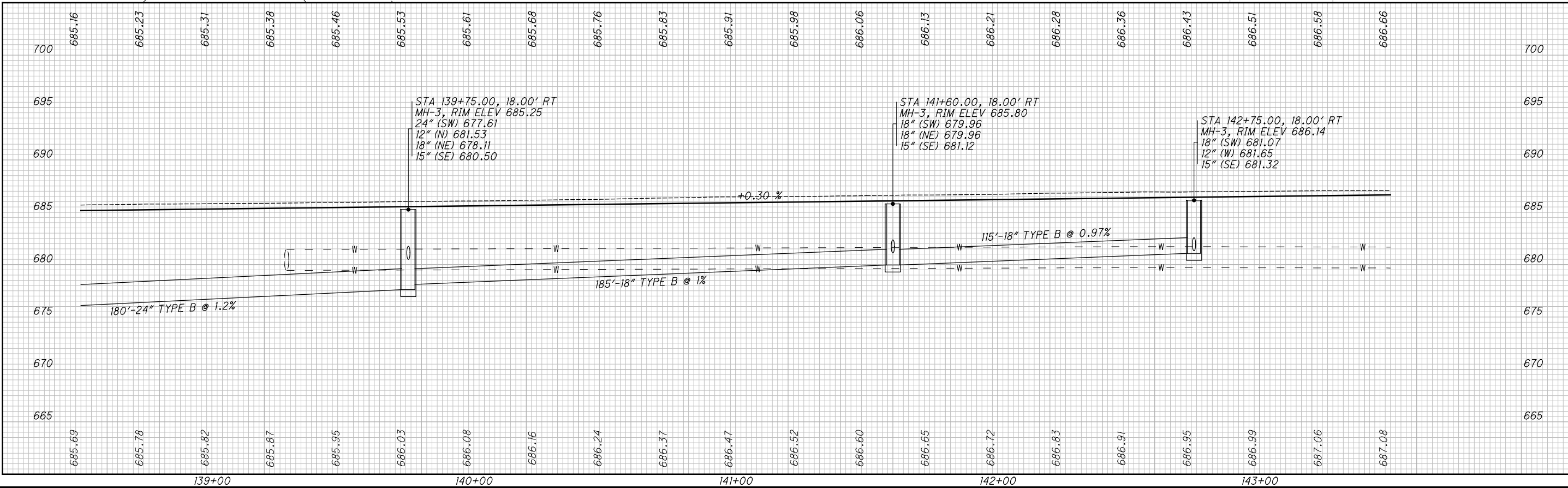
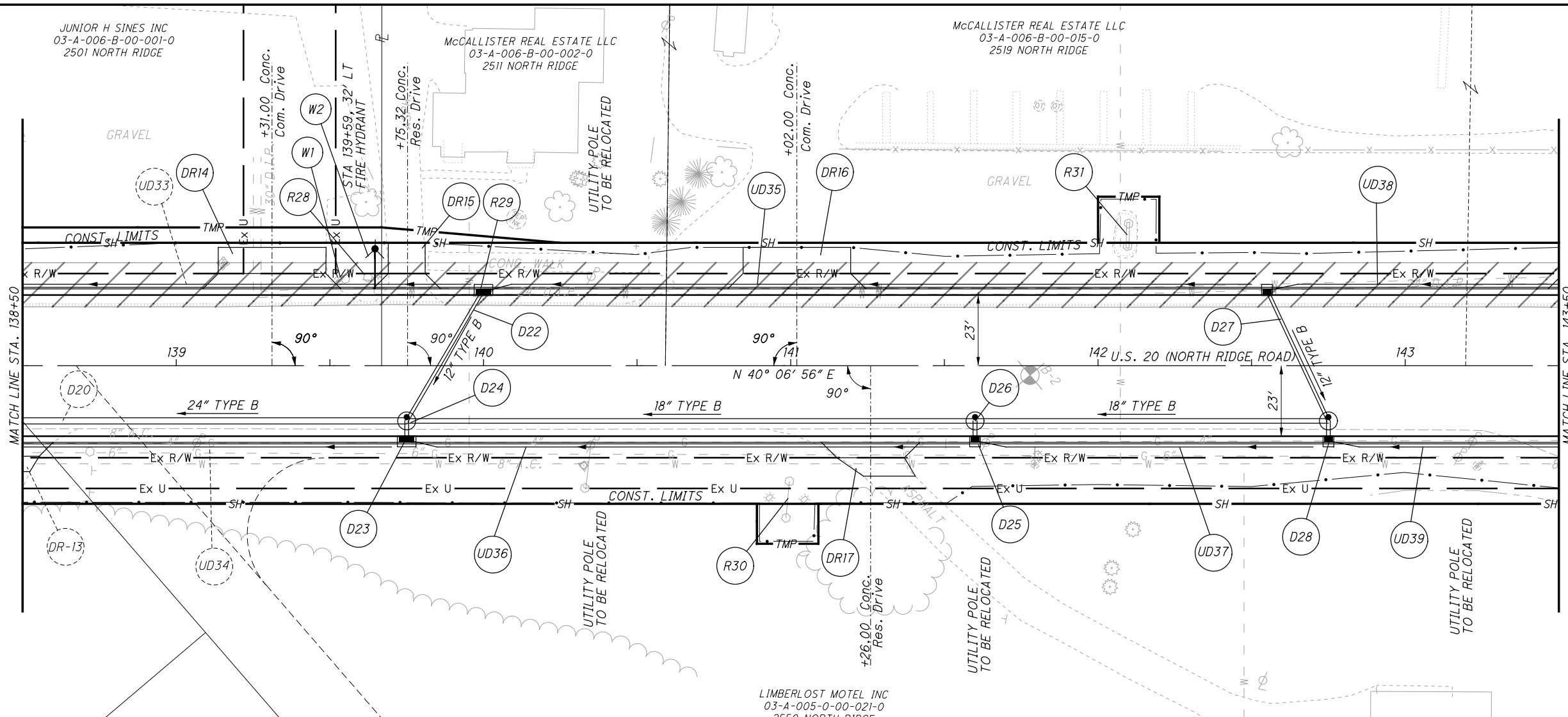
CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

**PLAN AND PROFILE - U.S. 20**  
**STA. 120+50 TO STA. 138+50**

**LAK-US-20-19.59**  
**PART 1**

430  
1253

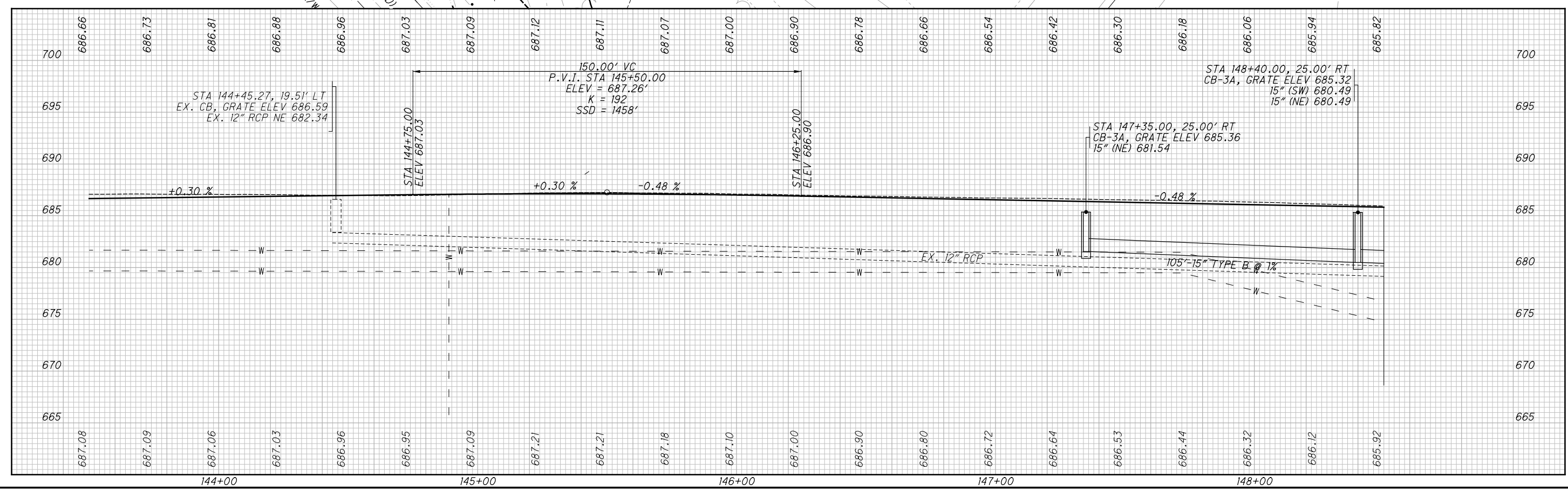
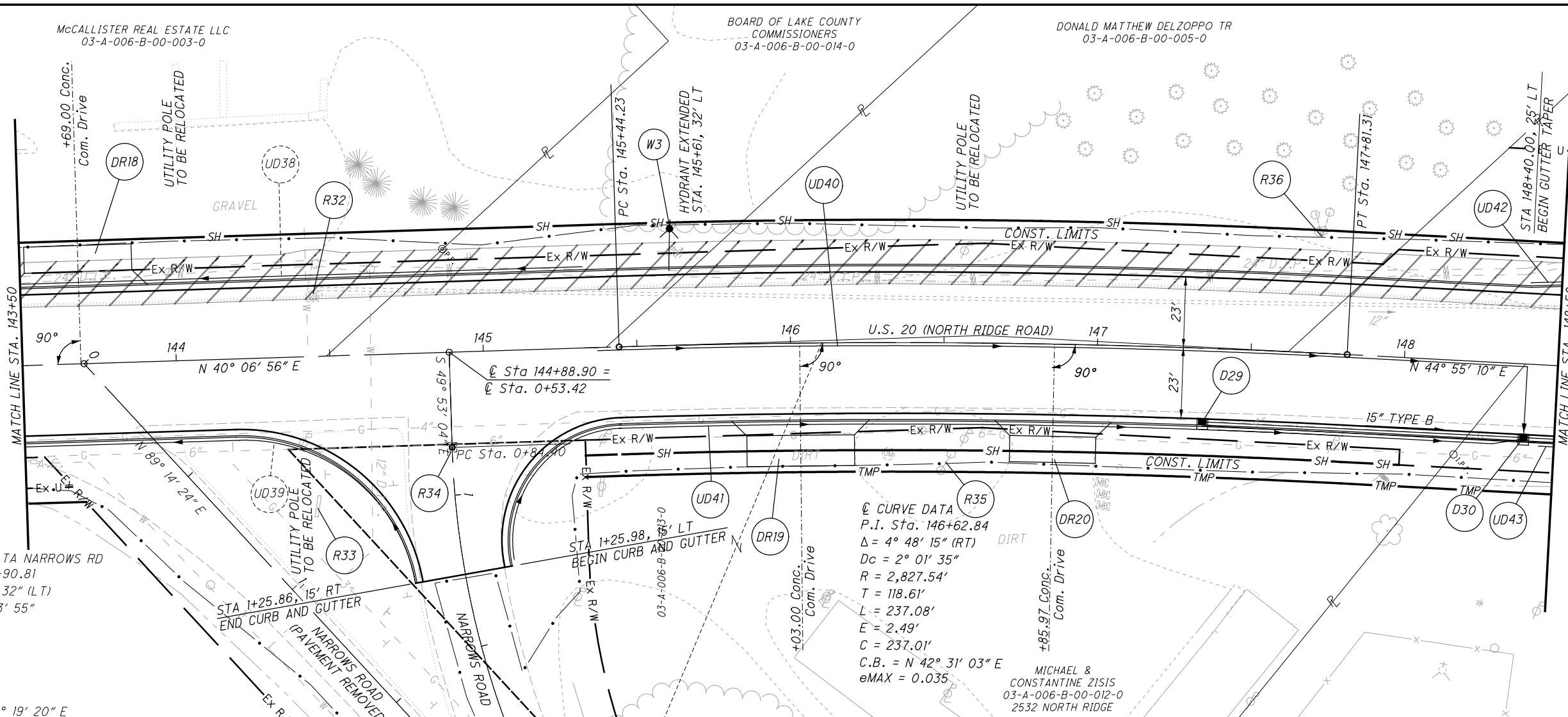
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PLAN AND PROFILE - U.S. 20  
STA. 138+50 TO STA. 143+50

LAK-US-20-19.59  
PART 1

H:\2018\80743\0D01\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP008.dgn Sheet 7/15/2022 3:15:55 PM troyer

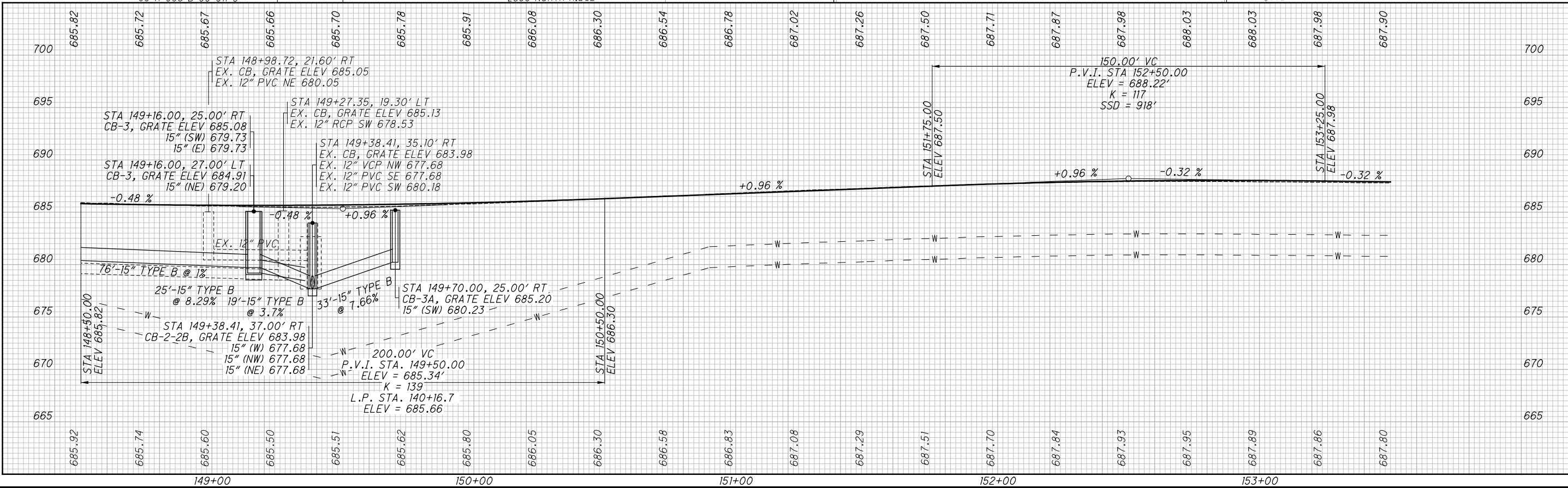
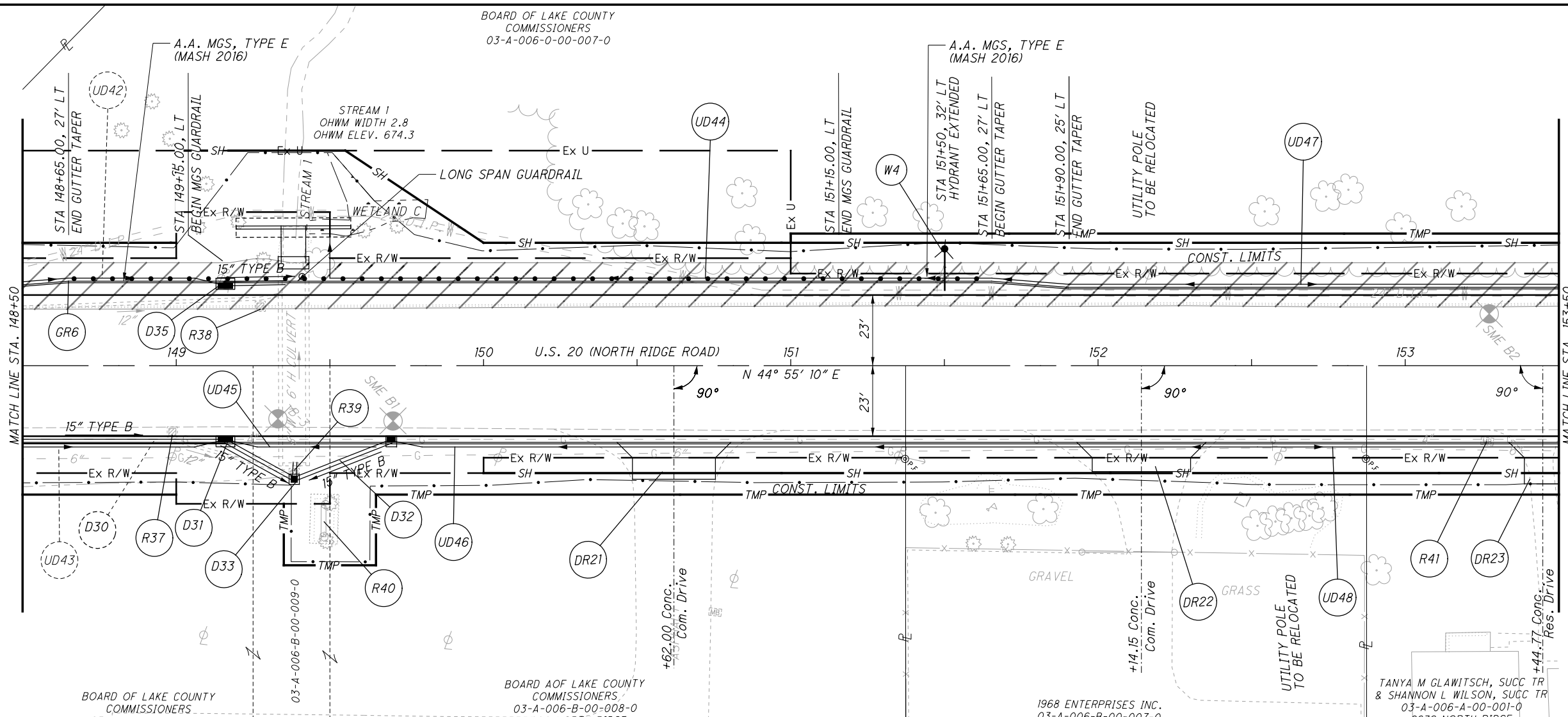


CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

**PLAN AND PROFILE - U.S. 20**  
**STA. 143+50 TO STA. 148+50**

**LAK-US-20-19.59**  
**PART 1**

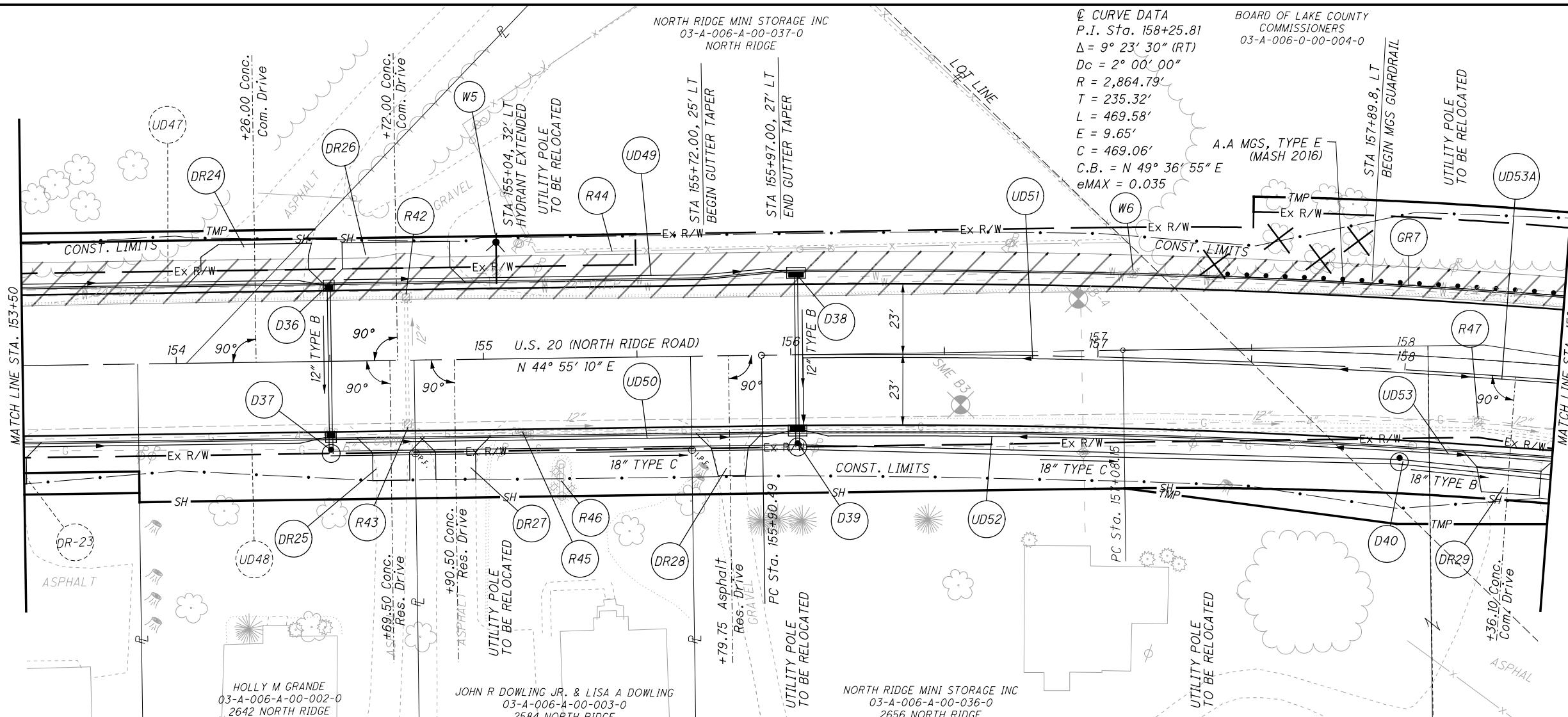
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PLAN AND PROFILE - U.S. 20  
STA. 148+50 TO STA. 153+50

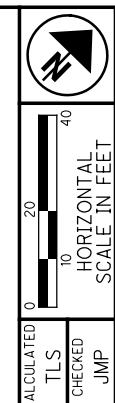
LAK-US-20-19.59  
PART 1

H:\2018\80743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP010.dgn Sheet 7/15/2022 3:15:57 PM Troyer



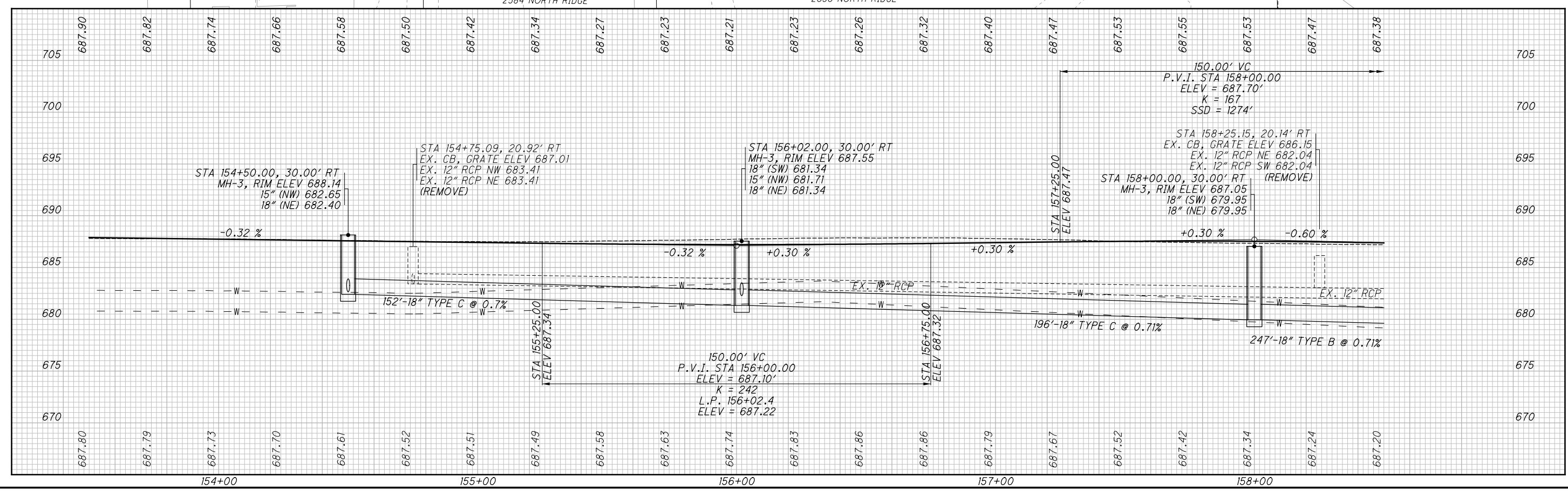
**© CURVE DATA**  
 P.I. Sta. 158+25.81  
 $\Delta = 9^\circ 23' 30''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 235.32'$   
 $L = 469.58'$   
 $E = 9.65'$   
 $C = 469.06'$   
 C.B. =  $N 49^\circ 36' 55'' E$   
 $e_{MAX} = 0.035$

BOARD OF LAKE COUNTY  
 COMMISSIONERS  
 03-A-006-0-00-004-0



CALCULATED  
 TJS  
 CHECKED  
 JMP

**PLAN AND PROFILE U.S. 20**  
**STA. 153+50 TO STA. 158+50**

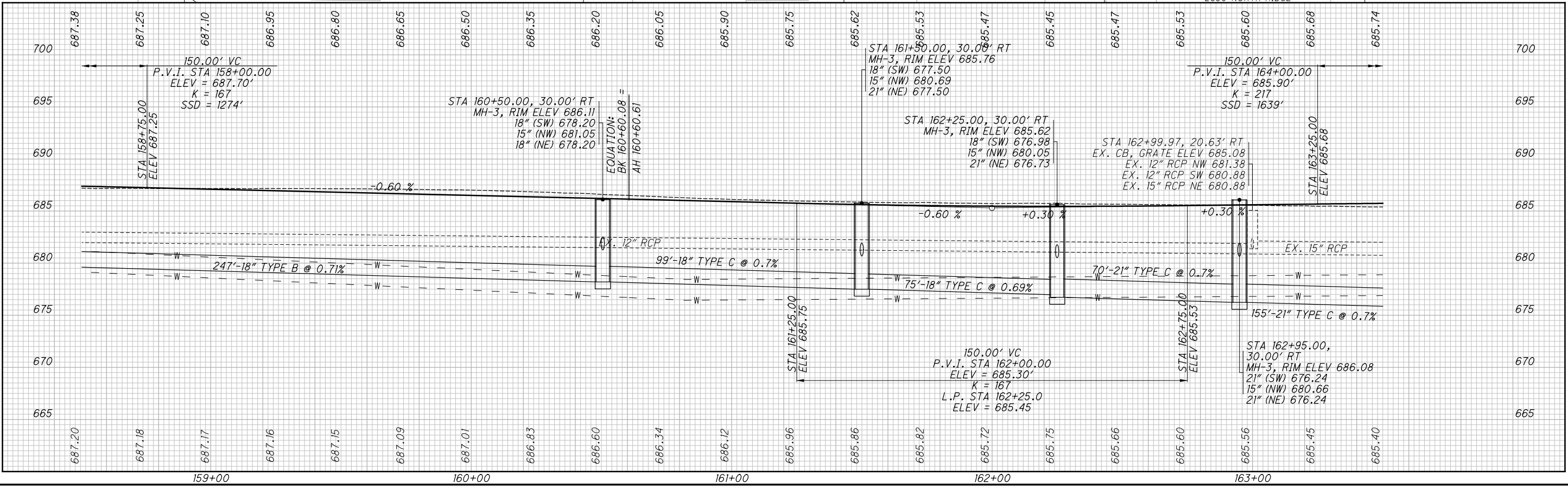
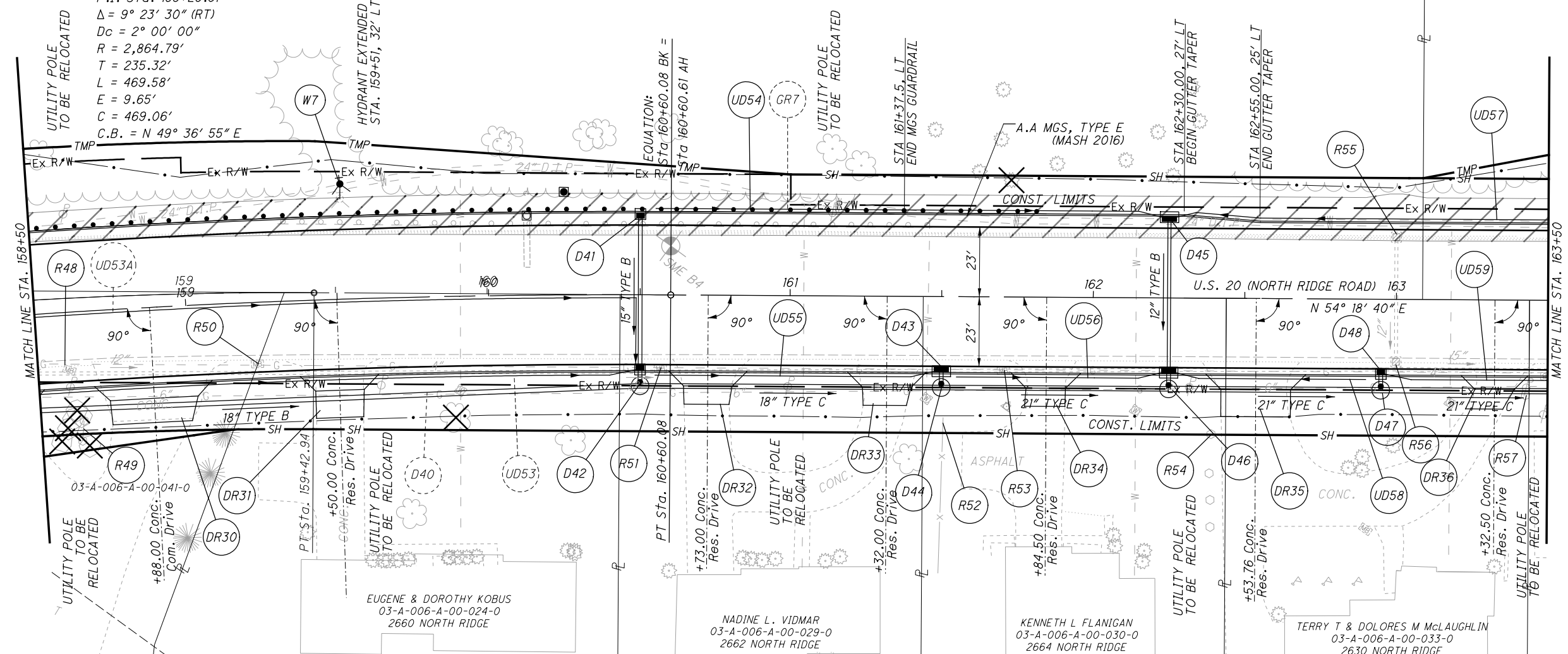


**LAK-US-20-19.59**  
**PART 1**

⊙ CURVE DATA  
P.I. Sta. 158+25.81  
Δ = 9° 23' 30" (RT)  
Dc = 2° 00' 00"  
R = 2,864.79'  
T = 235.32'  
L = 469.58'  
E = 9.65'  
C = 469.06'  
C.B. = N 49° 36' 55" E

CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

0 10 20 40  
HORIZONTAL  
SCALE IN FEET



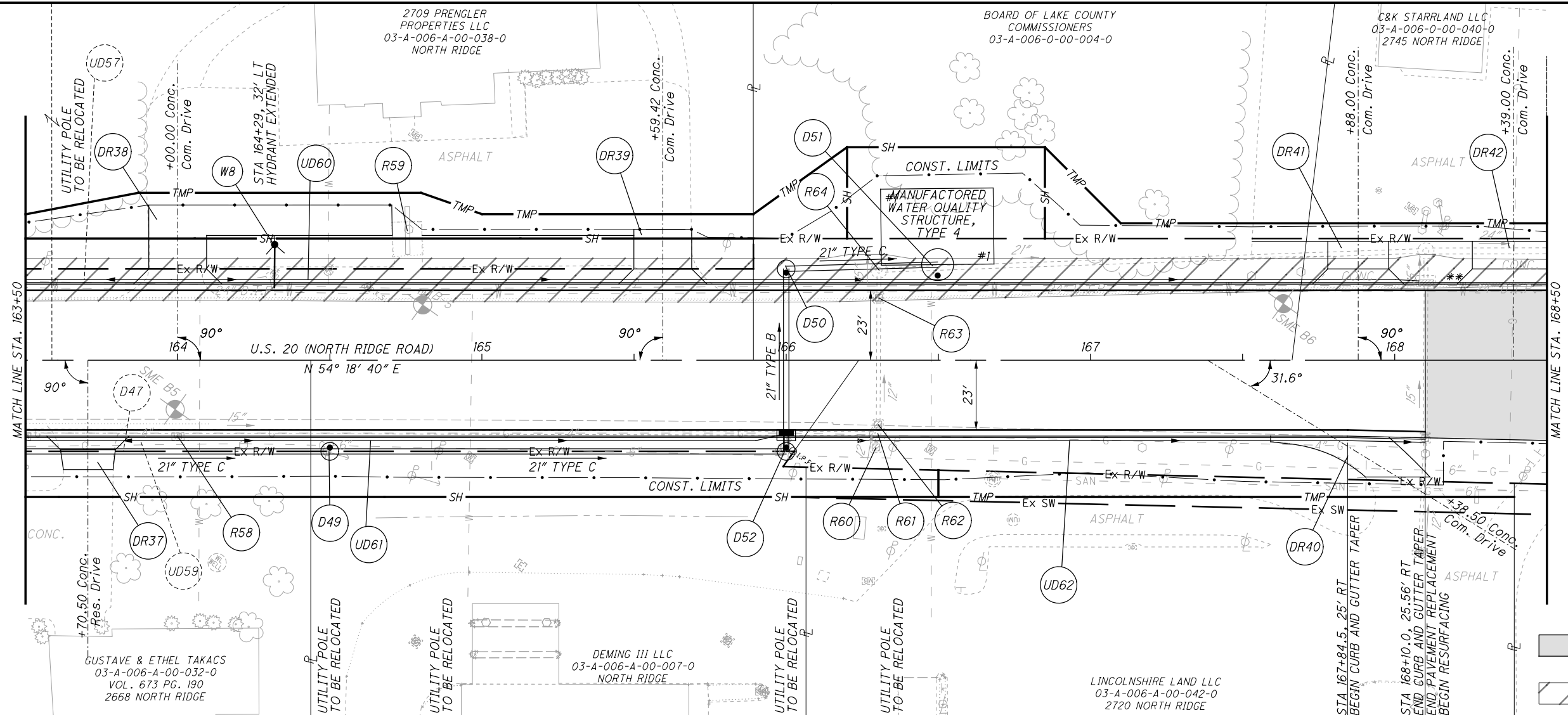
PLAN AND PROFILE U.S. 20  
STA. 158+50 TO STA. 163+50

LAK-US-20-19.59  
PART 1

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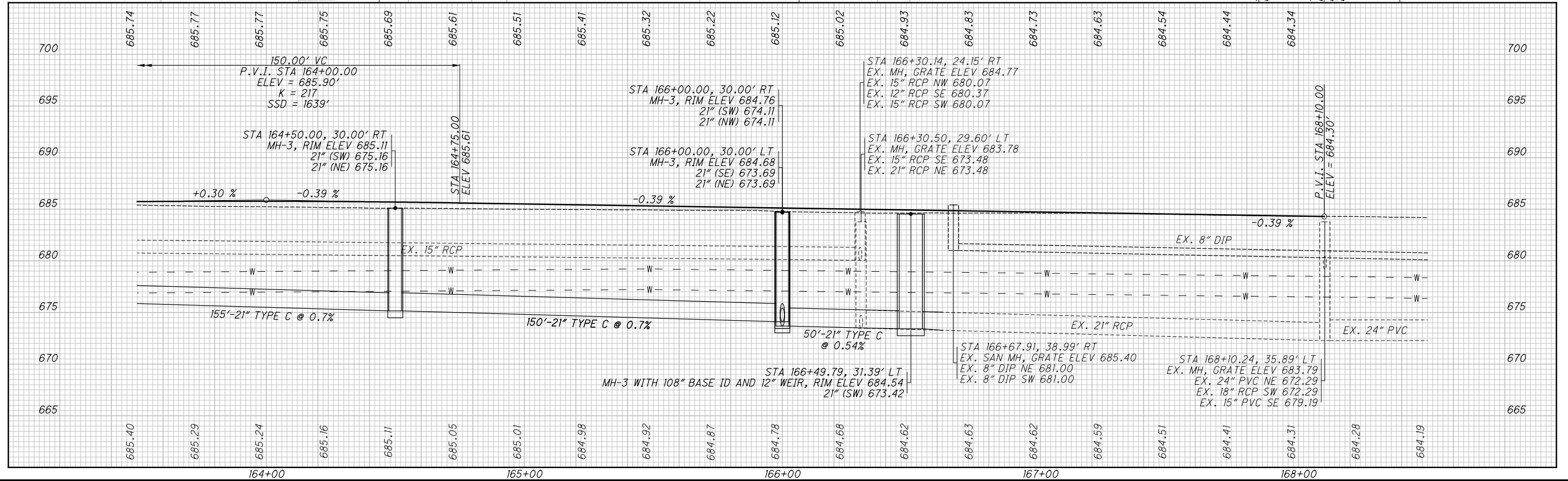


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\*\* VARY GUTTER CROSS SLOPE FROM 0.083 TO 0.016 IN 10.0' STA. 168+10.00 TO STA. 168+20.00

RESURFACING AREA  
TEMPORARY PAVEMENT



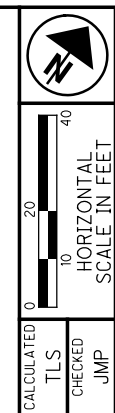
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T.L.S.  
CHECKED  
J.M.P.

**PLAN AND PROFILE U.S. 20  
STA. 163+50 TO STA. 168+50**

**LAK-US-20-19.59  
PART 1**

436  
1253

H:\2018\80743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP013.dgn Sheet 7/15/2022 3:15:59 PM Troyer

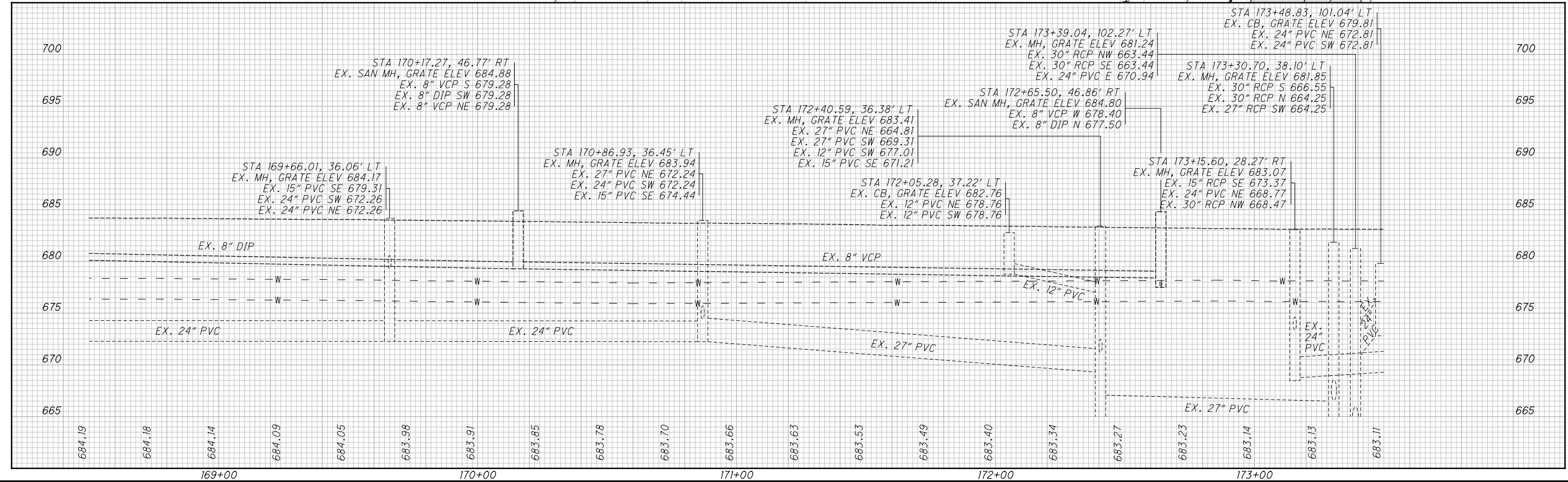
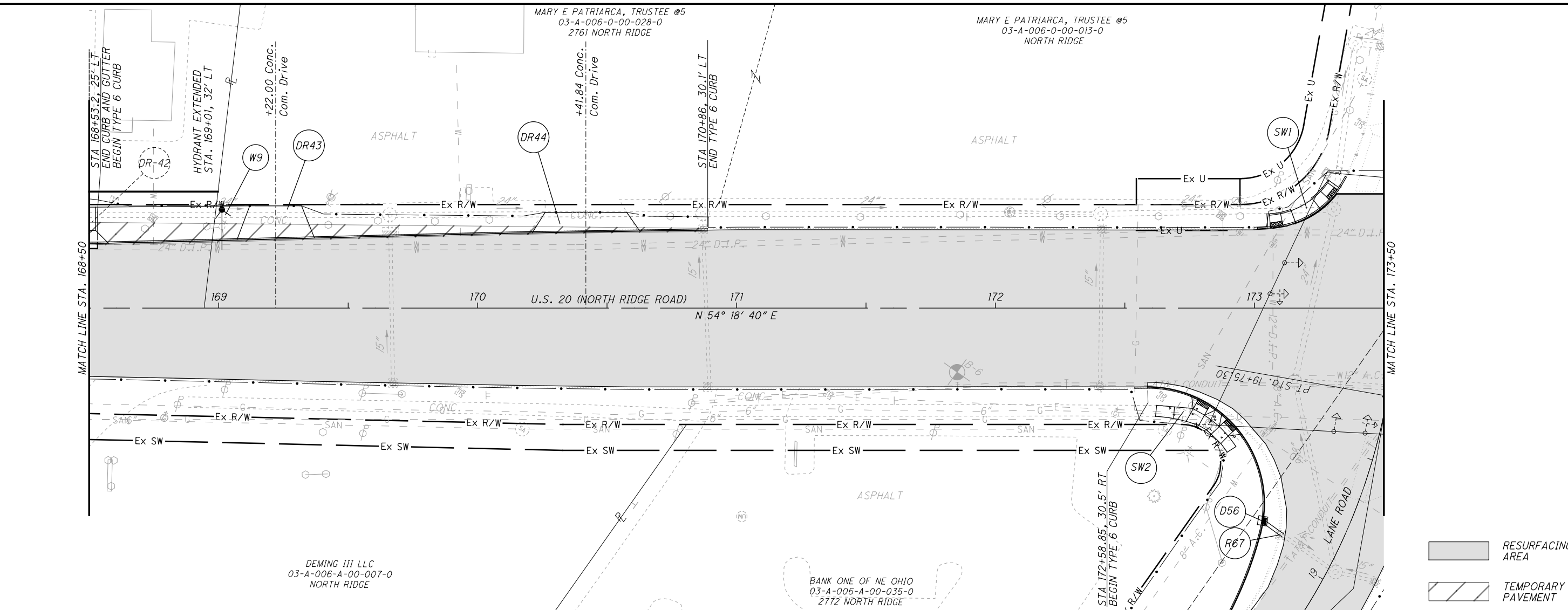


CALCULATED  
TJS  
CHECKED  
JMP

**PLAN AND PROFILE U.S. 20  
STA. 168+50 TO STA. 173+50**

**LAK-US-20-19.59  
PART 1**

437  
1253





DEMING V LLC  
03-A-013-0-00-007-0  
2823 NORTH RIDGE

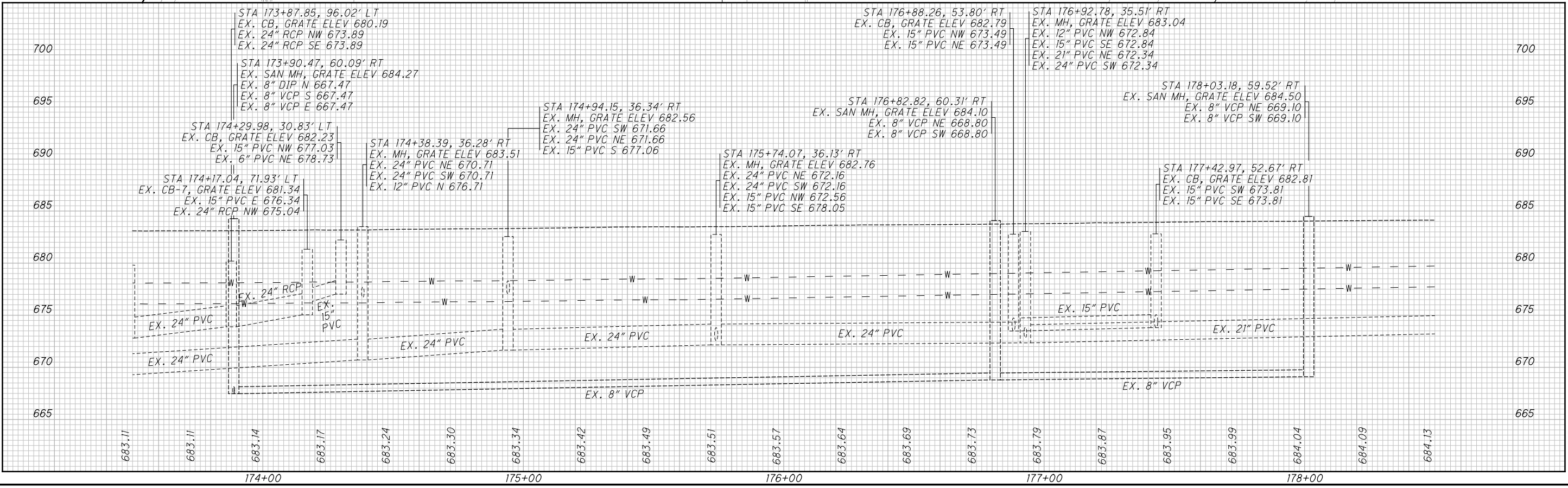
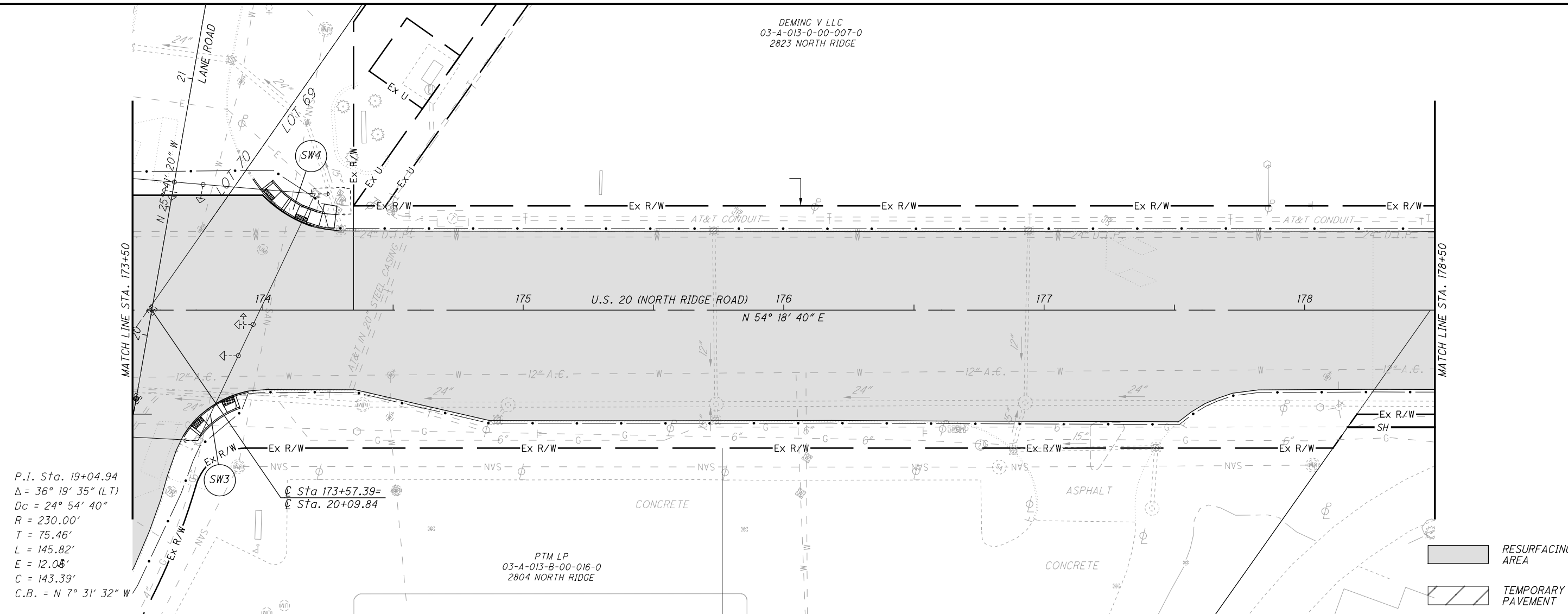


CALCULATED  
TJS  
CHECKED  
JMP

**PLAN AND PROFILE U.S. 20  
STA. 173+50 TO STA. 178+50**

**LAK-US-20-19.59  
PART 1**

438  
1253



H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP014.dgn Sheet 7/15/2022 3:15:59 PM Troyer

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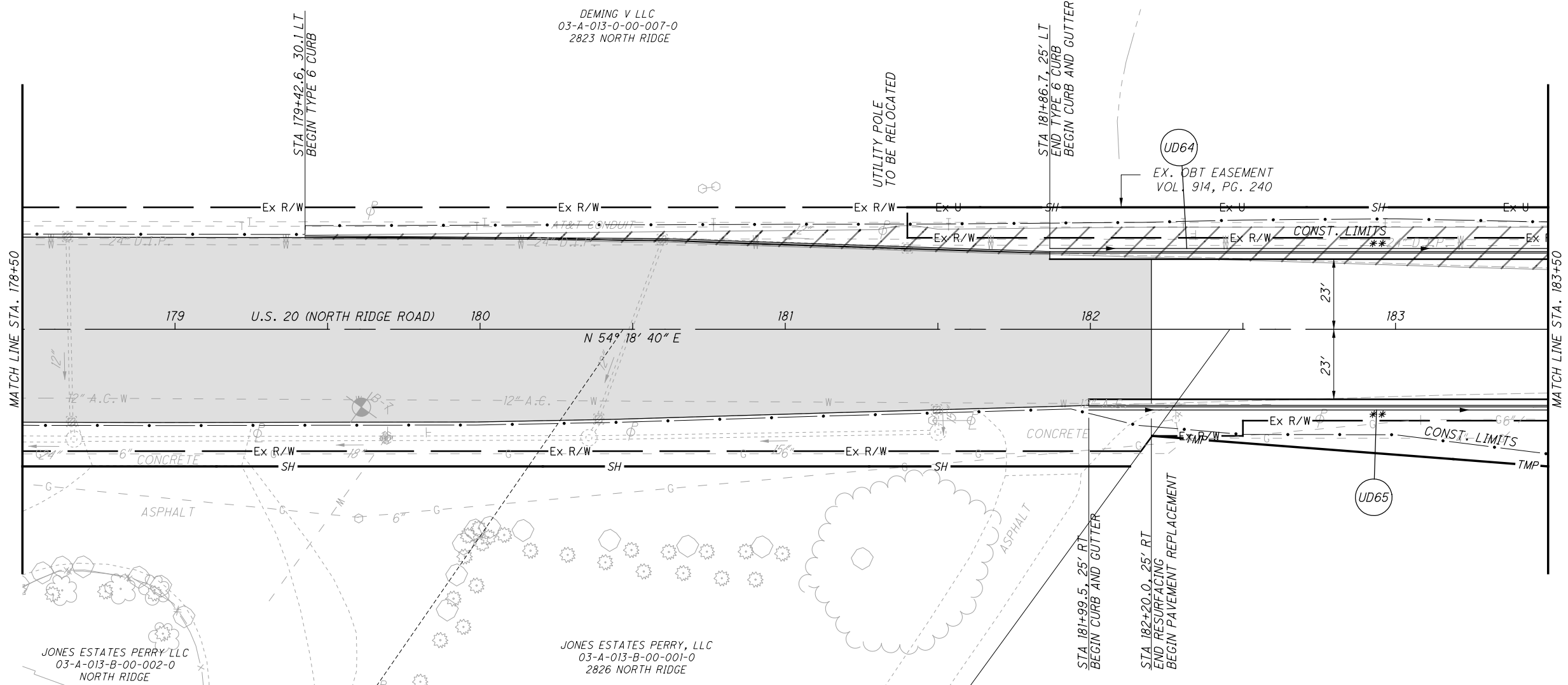


CALCULATED  
TJS  
CHECKED  
JMP

**PLAN AND PROFILE U.S. 20  
STA. 178+50 TO STA. 183+50**

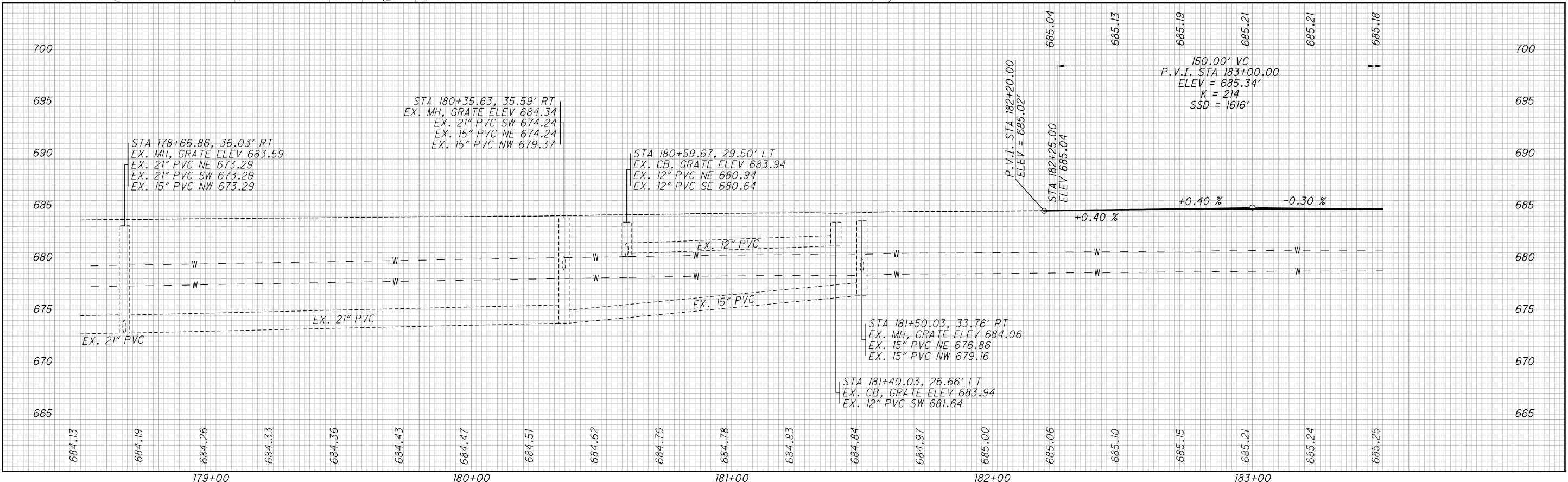
**LAK-US-20-19.59  
PART 1**

439  
1253



\*\* VARY GUTTER  
CROSS SLOPE  
FROM 0.016 TO  
0.083 IN 10.0'  
STA. 183+00.00 TO  
STA. 183+10.00

RESURFACING  
AREA  
TEMPORARY  
PAVEMENT

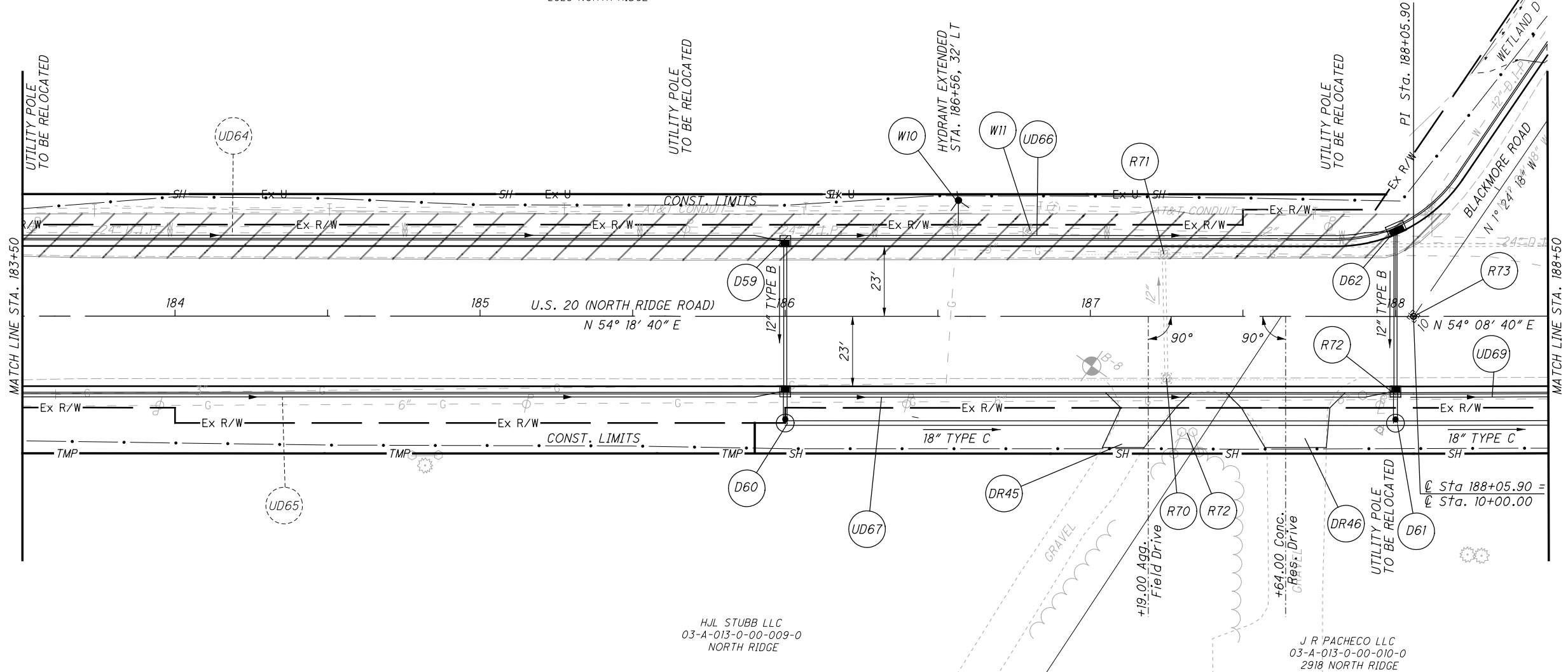


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DEMING V LLC  
03-A-013-0-00-007-0  
2823 NORTH RIDGE

CALCULATED 0  
TLS  
CHECKED JMP

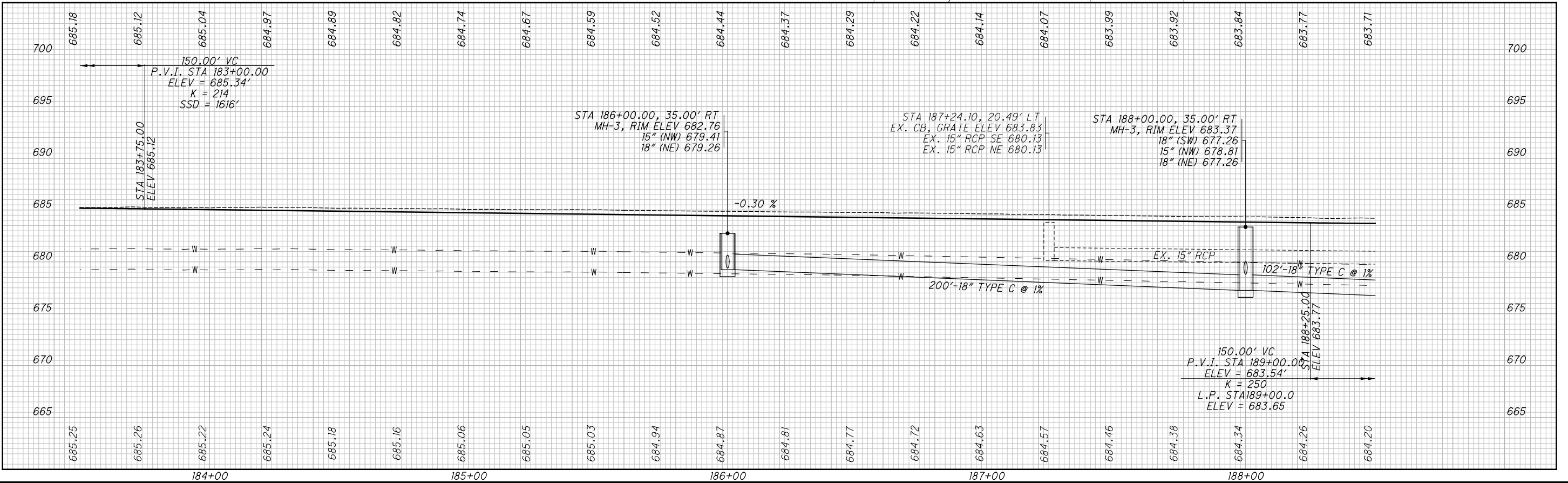
HORIZONTAL SCALE IN FEET



HJL STUBB LLC  
03-A-013-0-00-009-0  
NORTH RIDGE

J R PACHECO LLC  
03-A-013-0-00-010-0  
2918 NORTH RIDGE

TEMPORARY PAVEMENT

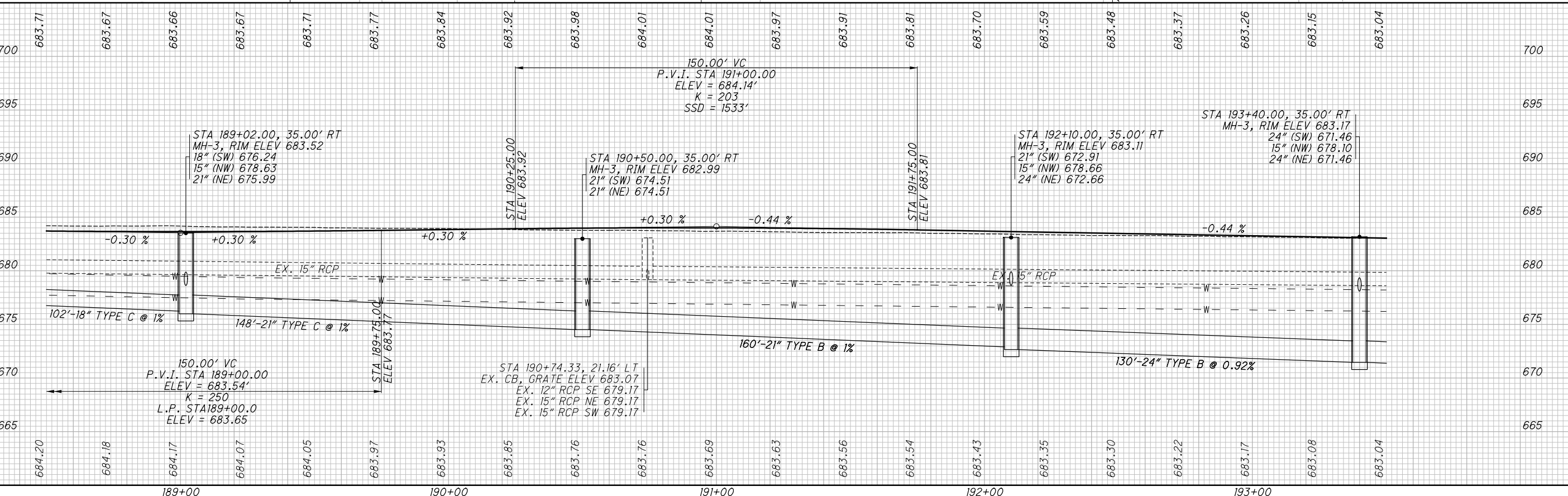
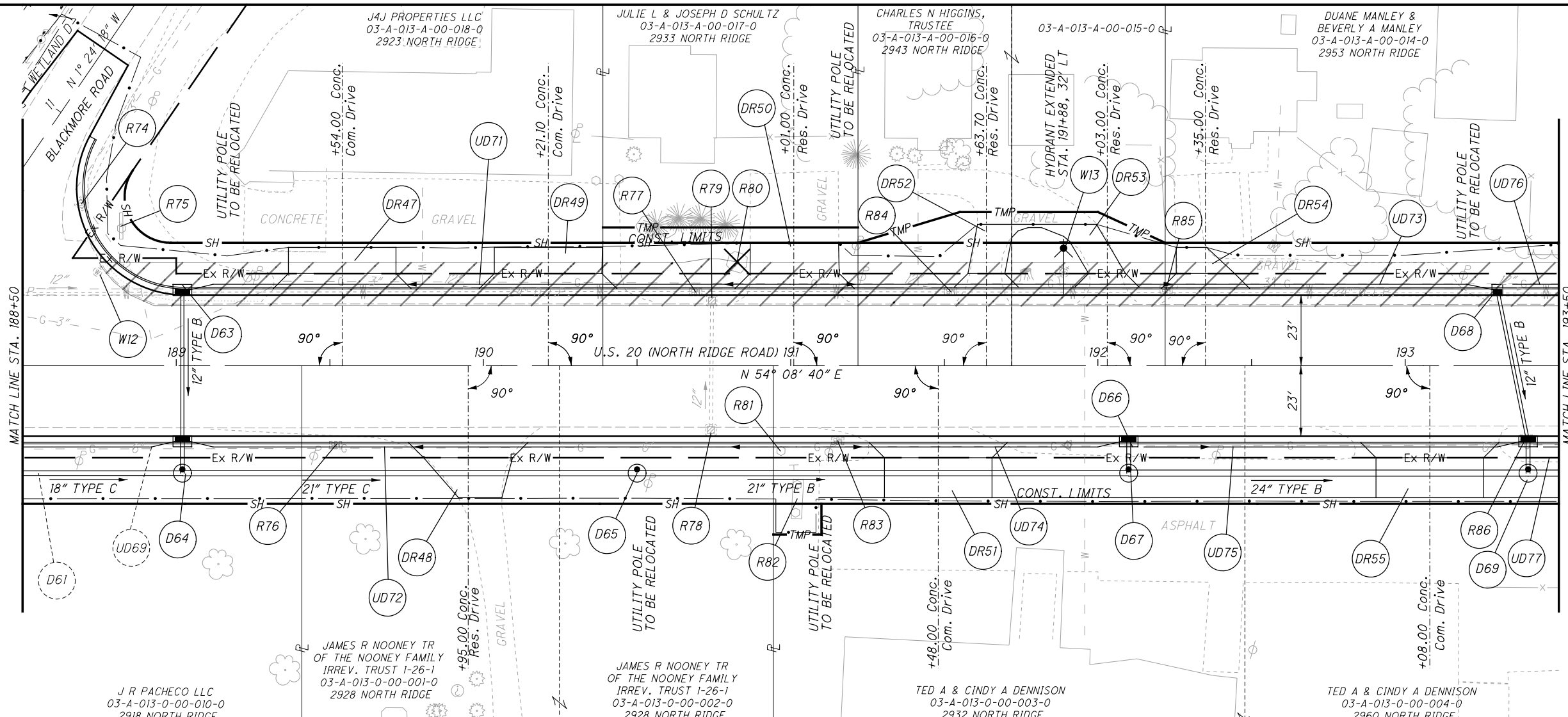


PLAN AND PROFILE U.S. 20  
STA. 183+50 TO STA. 188+50

LAK-US-20-19.59  
PART 1

440  
1253

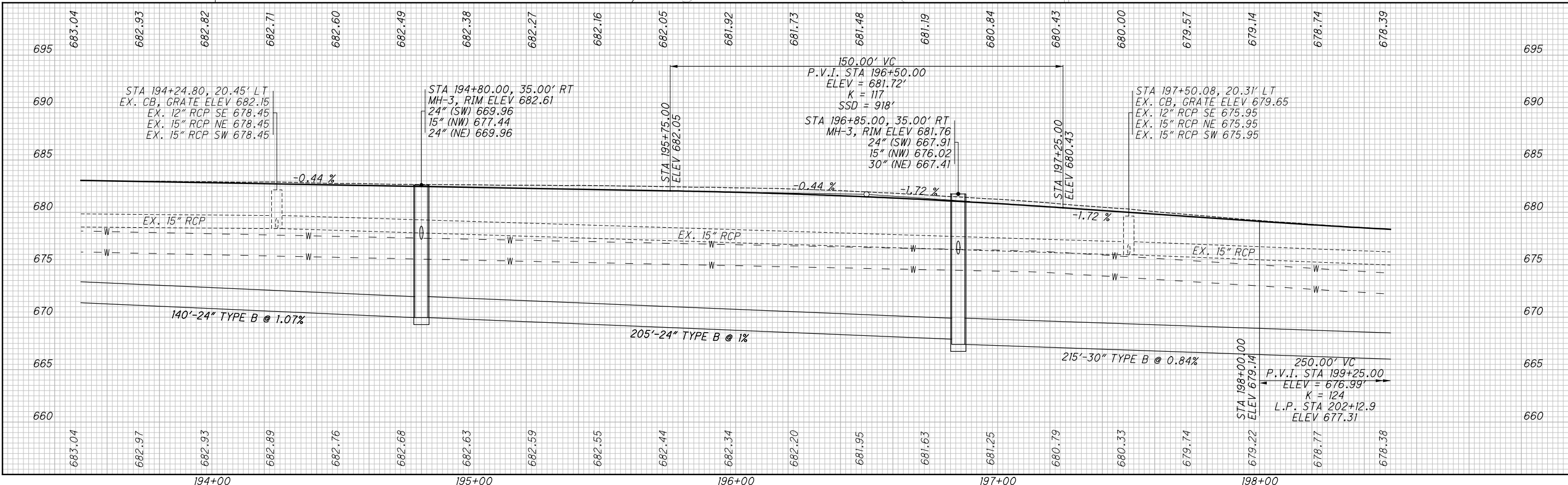
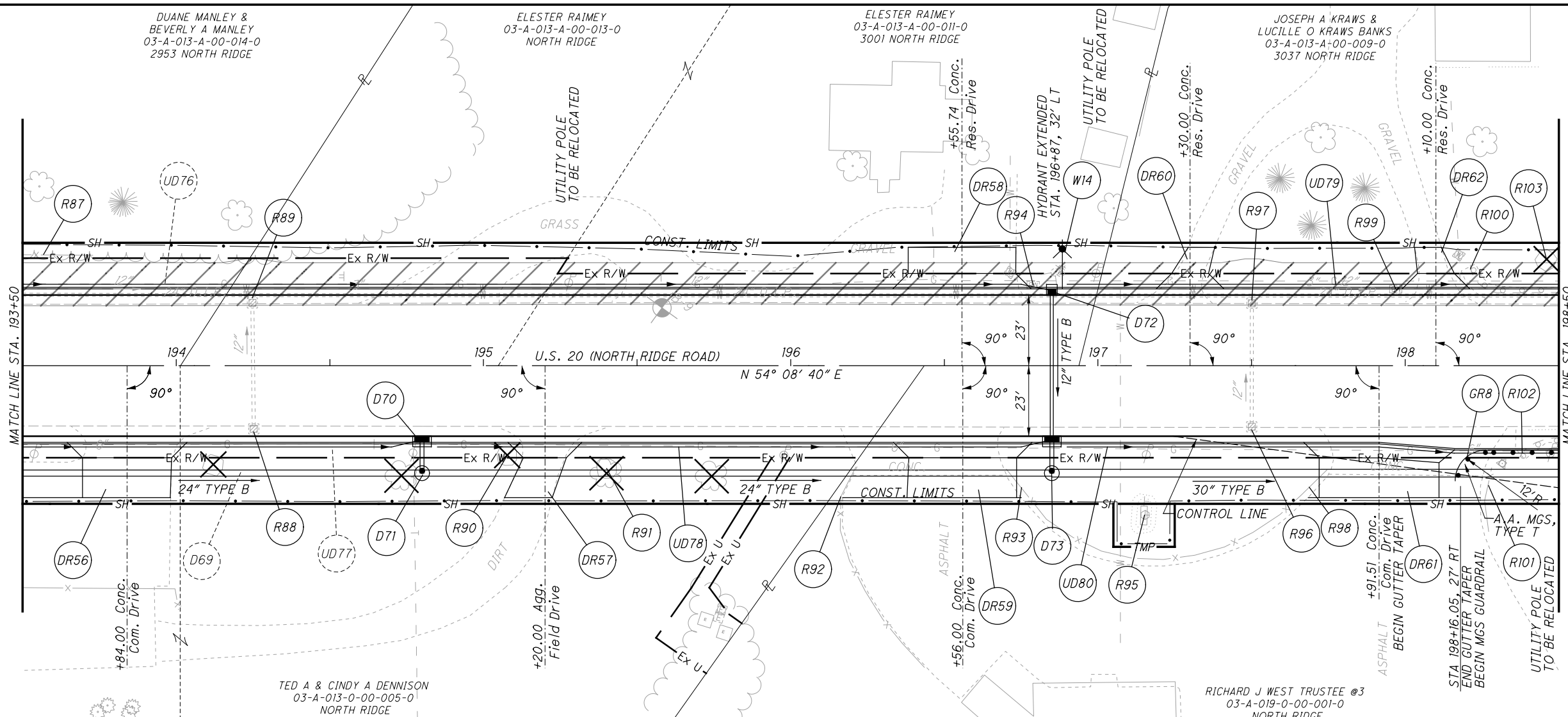
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**PLAN AND PROFILE U.S. 20  
STA. 188+50 TO STA. 193+50**

**LAK-US-20-19.59  
PART 1**

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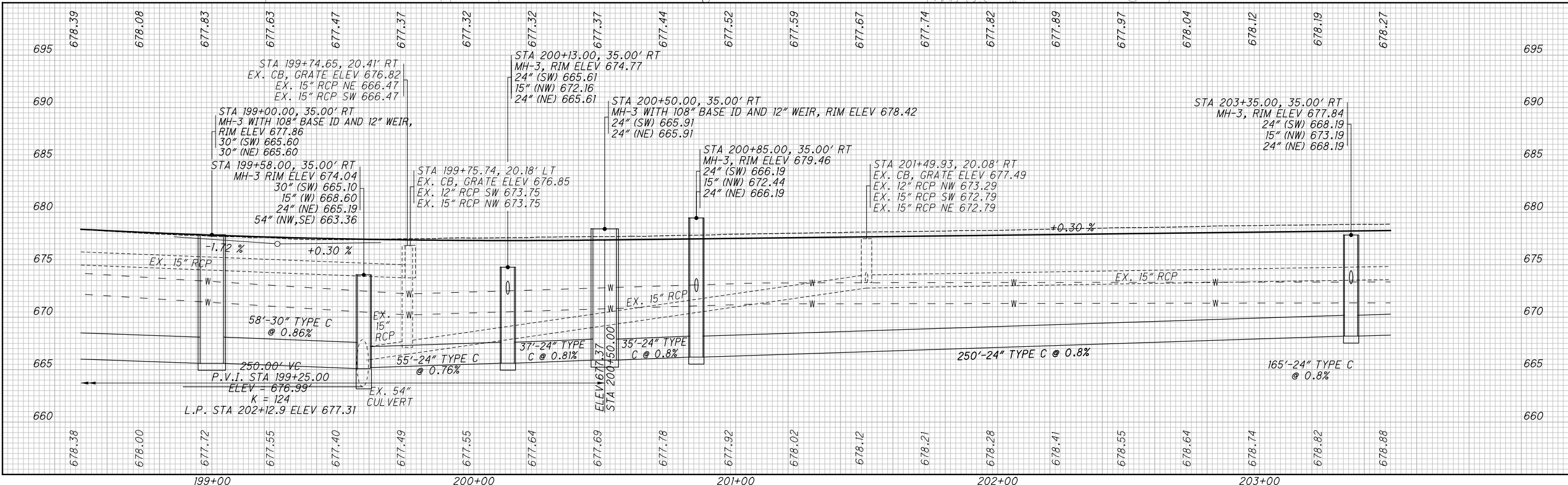
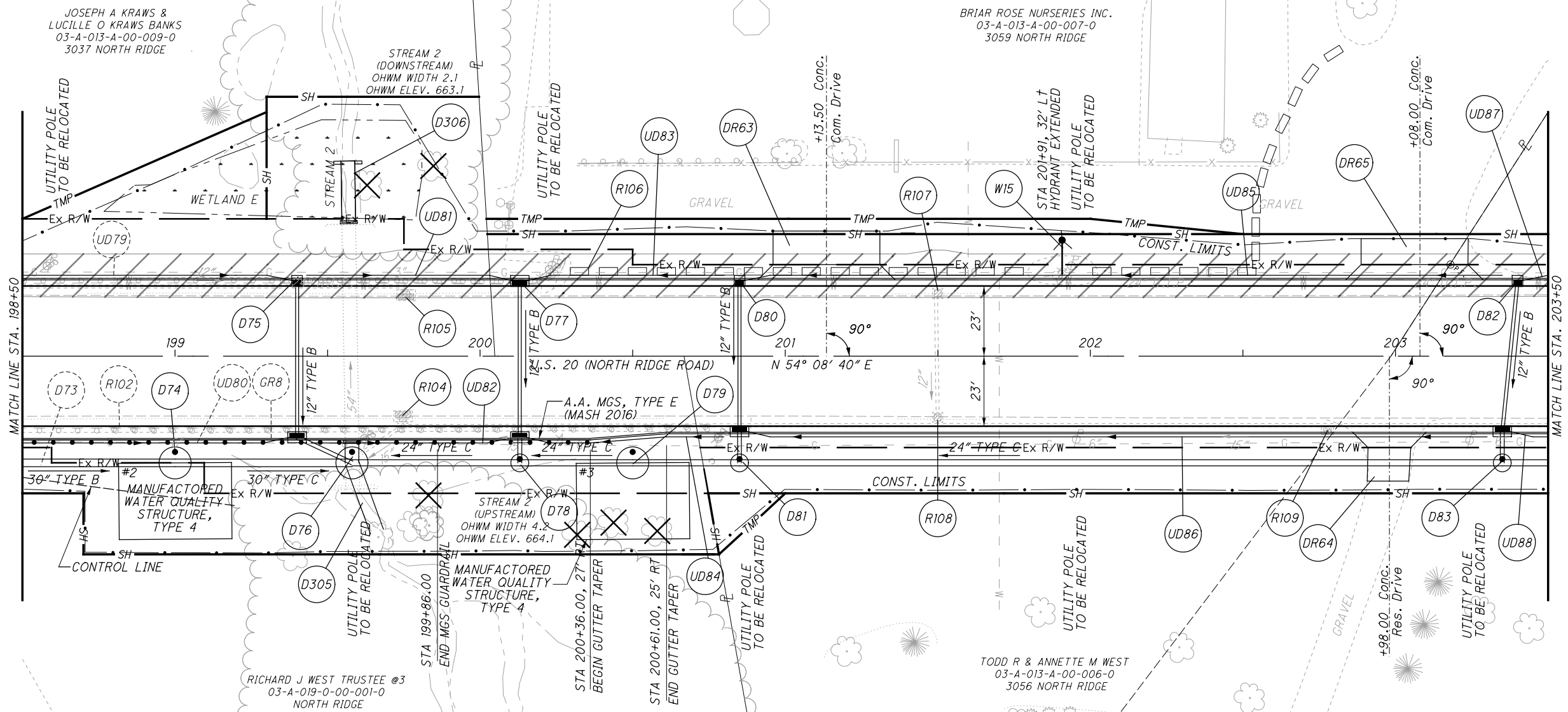


CALCULATED  
TJS  
CHECKED  
JMP

**PLAN AND PROFILE U.S. 20  
STA. 193+50 TO STA. 198+50**

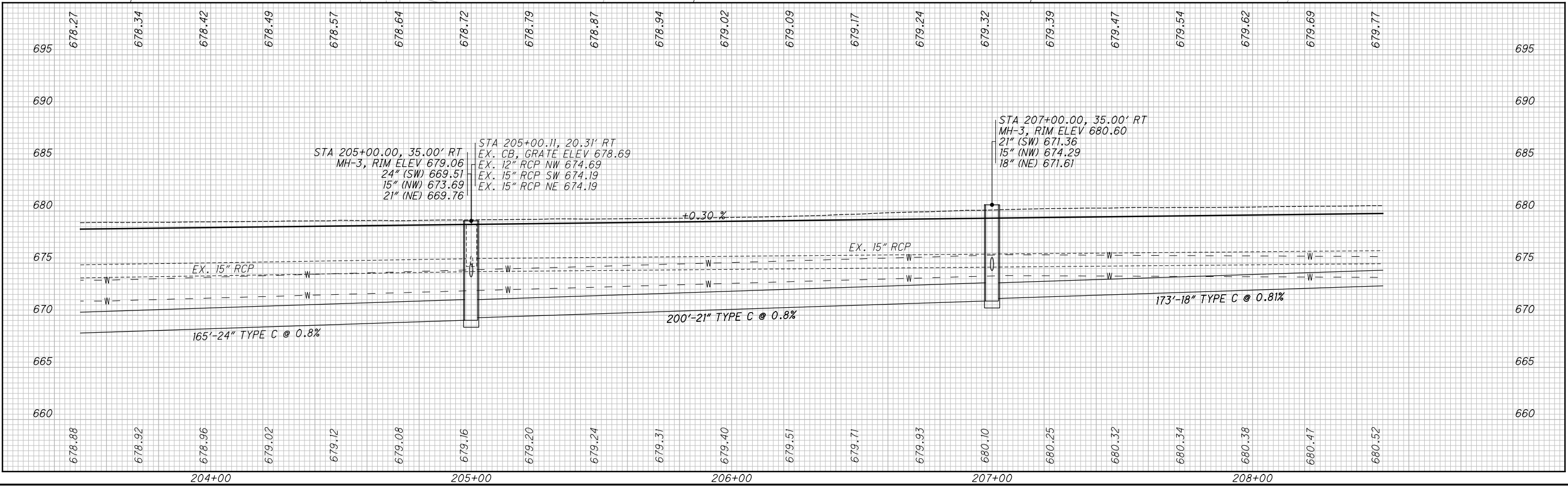
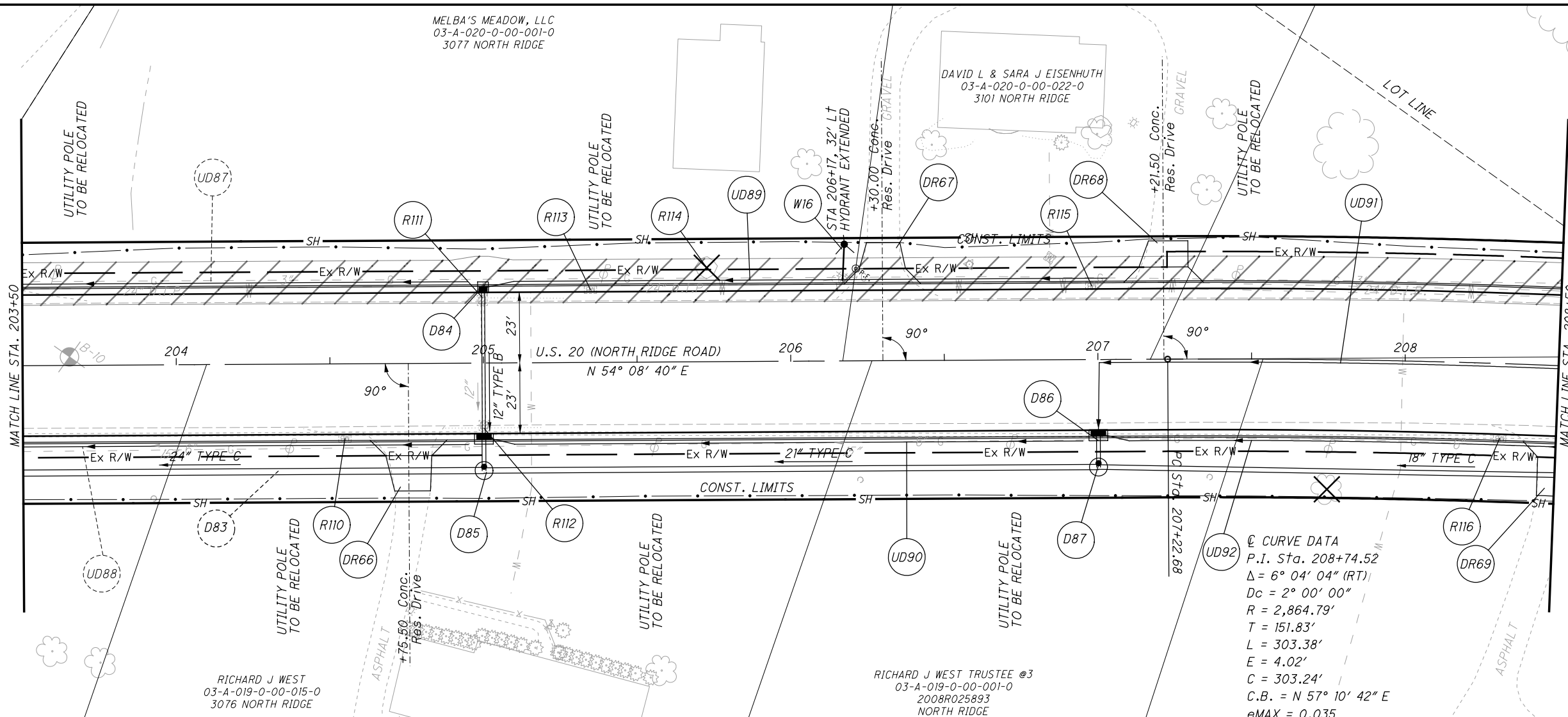
**LAK-US-20-19.59  
PART 1**

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**PLAN AND PROFILE U.S. 20  
STA. 198+50 TO STA. 203+50**

**LAK-US-20-19.59  
PART 1**



CALCULATED  
TLS  
CHECKED  
JMP

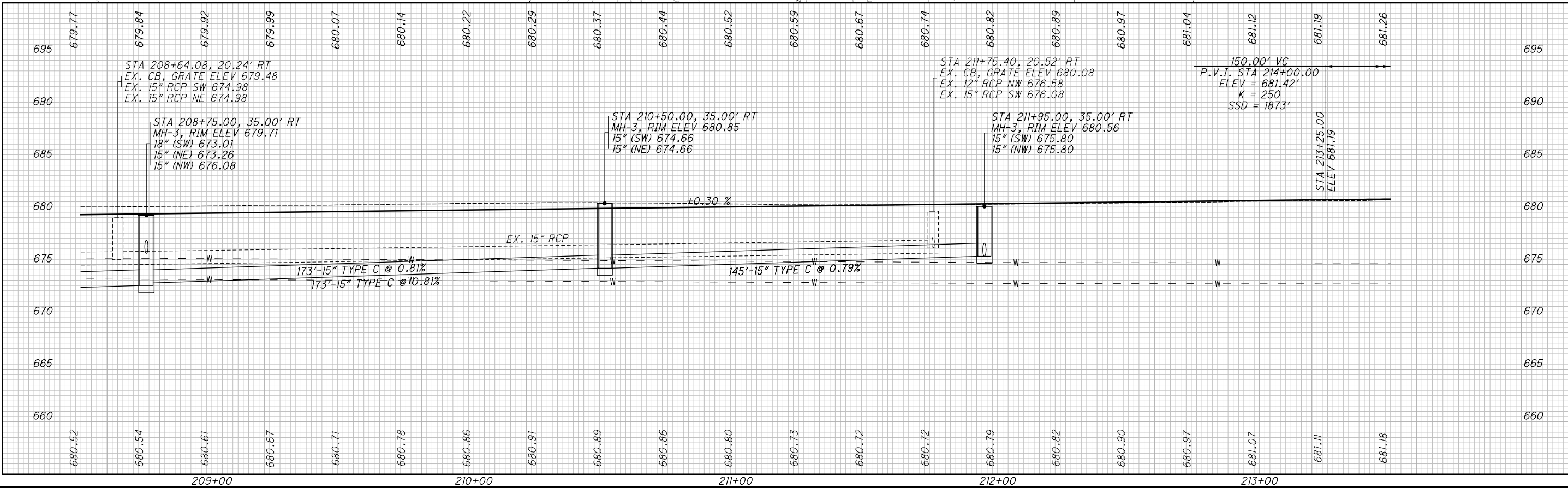
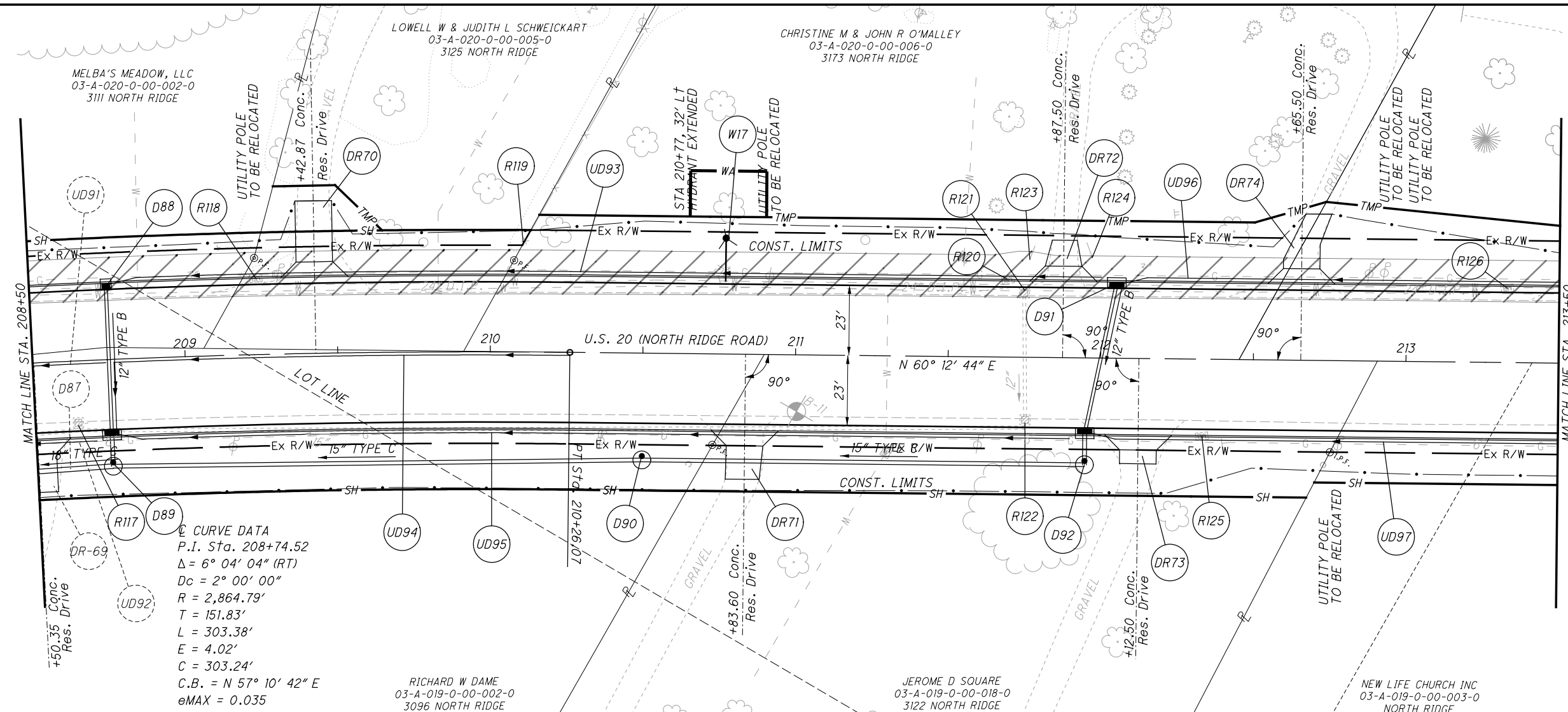
0 20 40  
HORIZONTAL SCALE IN FEET

**PLAN AND PROFILE U.S. 20  
STA. 203.+50 TO STA. 208.+50**

**LAK-US-20-19.59  
PART 1**



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**PLAN AND PROFILE U.S. 20  
 STA. 208+50 TO STA. 213+50**

**LAK-US-20-19.59  
 PART 1**



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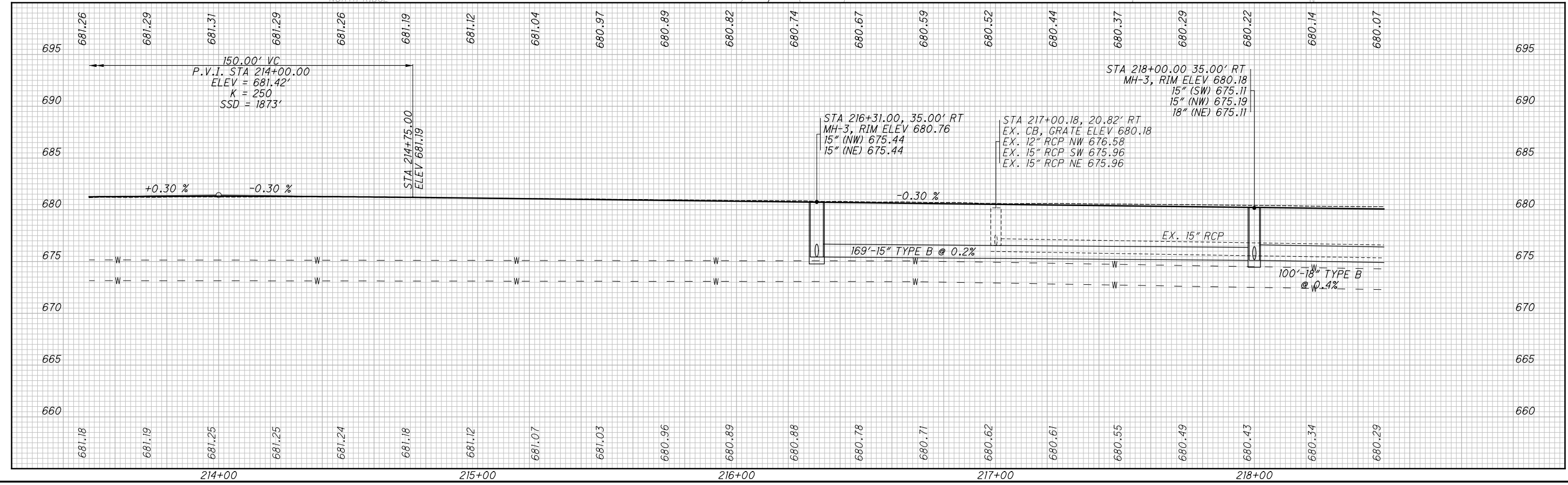
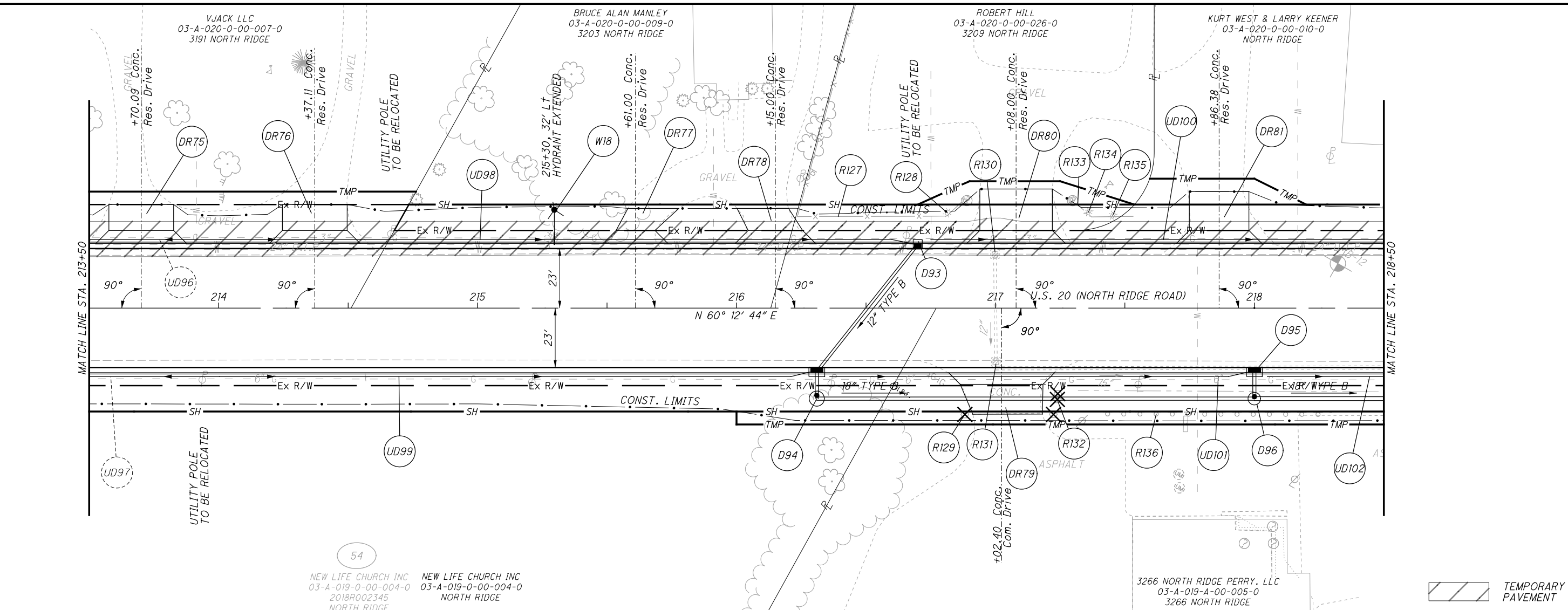
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10 HORIZONTAL SCALE IN FEET

CALCULATED  
TJS  
CHECKED  
JMP

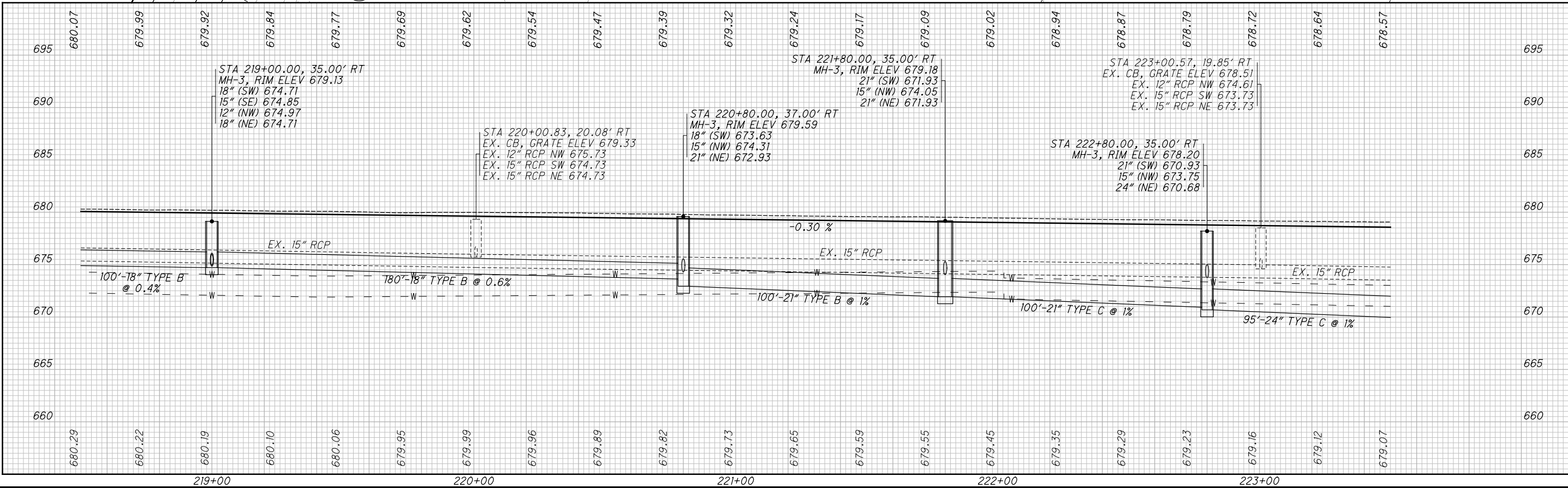
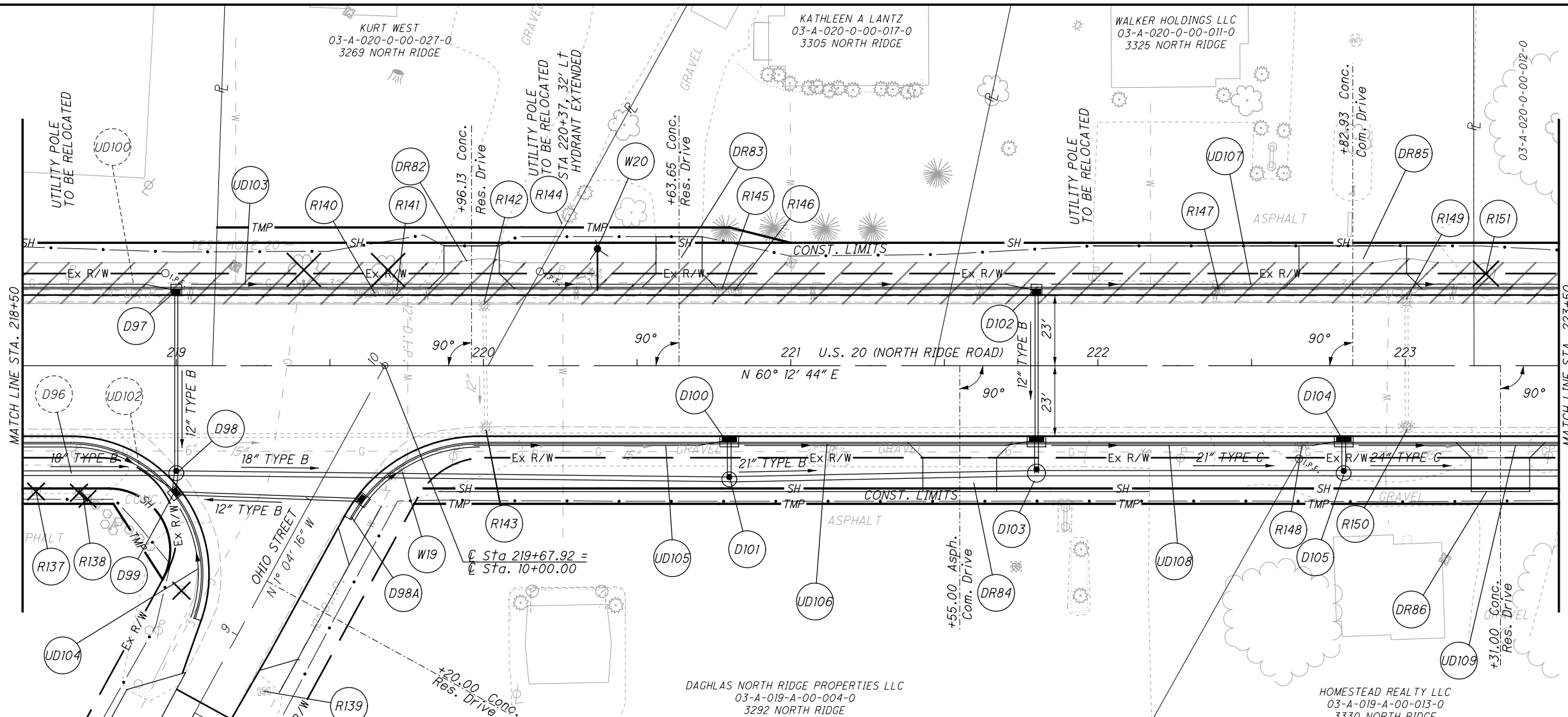
**PLAN AND PROFILE U.S. 20  
STA. 213+50 TO STA. 218+50**

**LAK-US-20-19.59  
PART 1**

446  
1253



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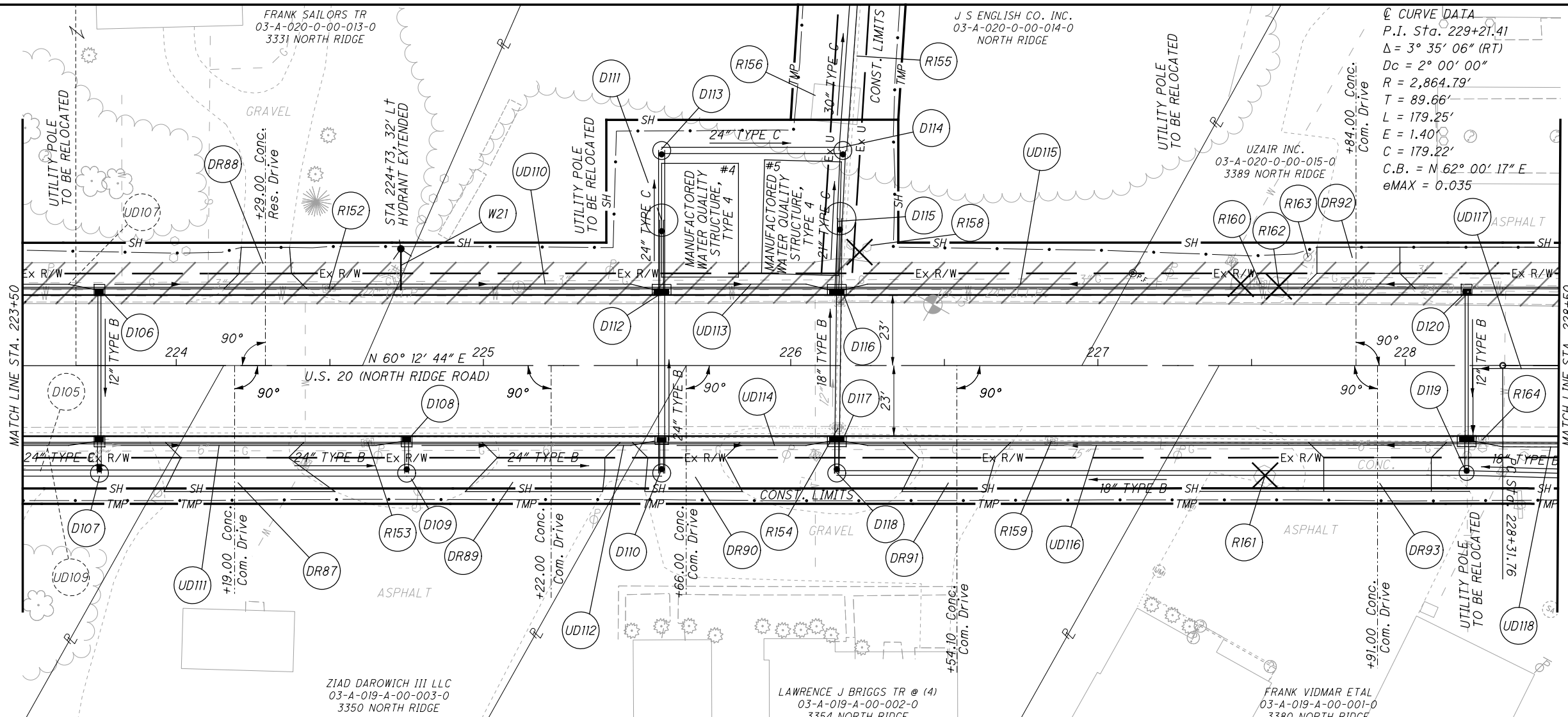
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**PLAN AND PROFILE U.S. 20  
STA. 218+50 TO STA. 223+50**

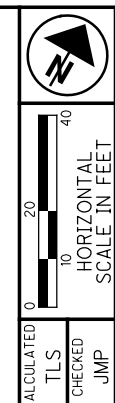
**LAK-US-20-19.59  
PART 1**

447  
1253

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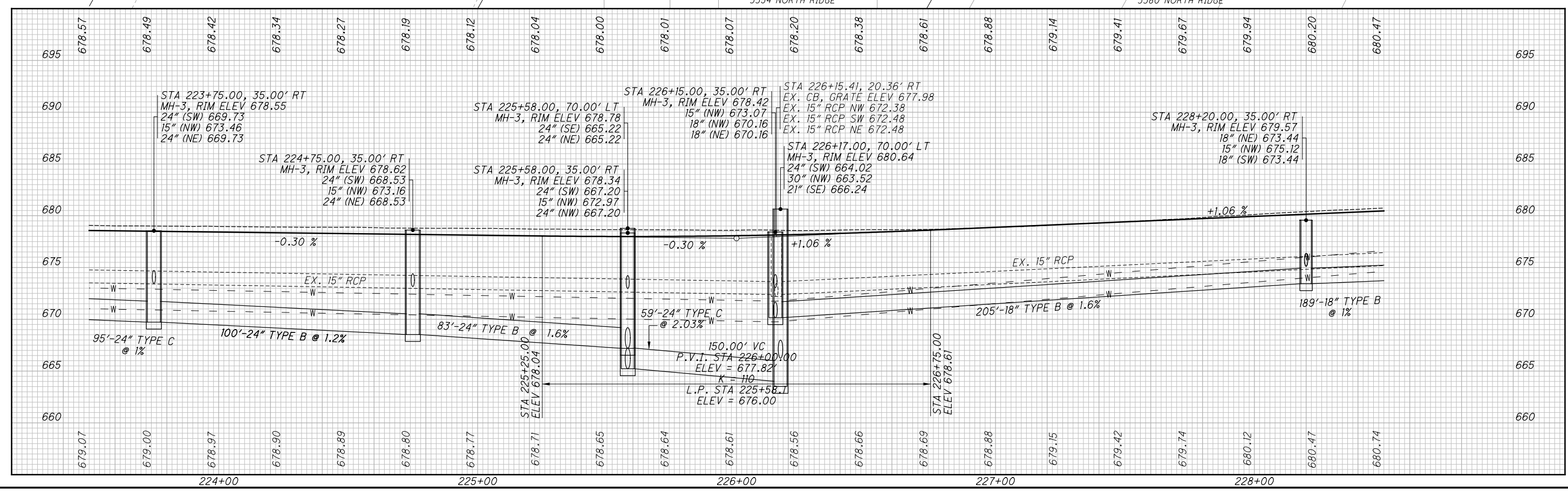


**∠ CURVE DATA**  
 P.I. Sta. 229+21.41  
 $\Delta = 3^\circ 35' 06''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 89.66'$   
 $L = 179.25'$   
 $E = 1.40'$   
 $C = 179.22'$   
 $C.B. = N 62^\circ 00' 17'' E$   
 $e_{MAX} = 0.035$



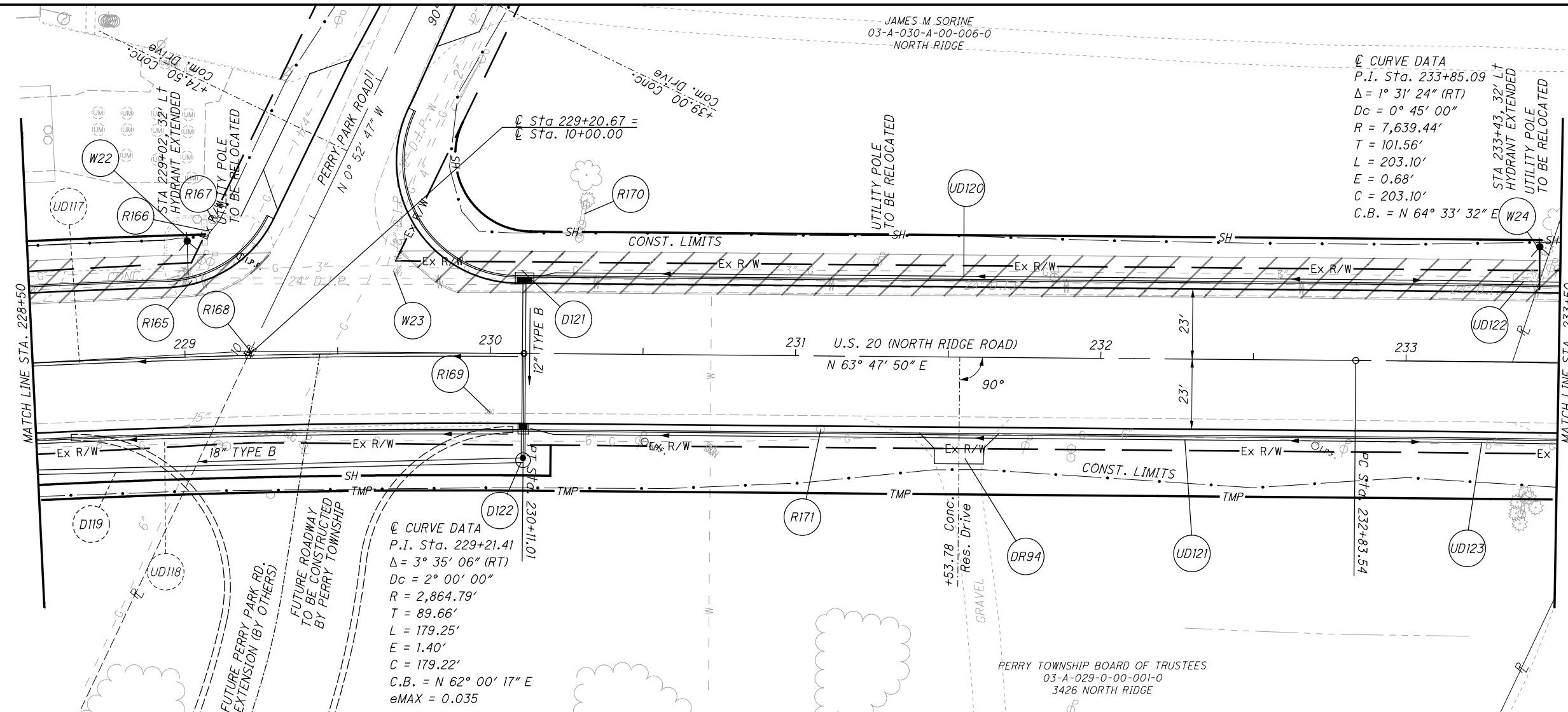
CALCULATED  
 T.L.S.  
 CHECKED  
 J.M.P.

**PLAN AND PROFILE U.S. 20**  
**STA. 223+50 TO STA. 228+50**



**LAK-US-20-19.59**  
**PART 1**

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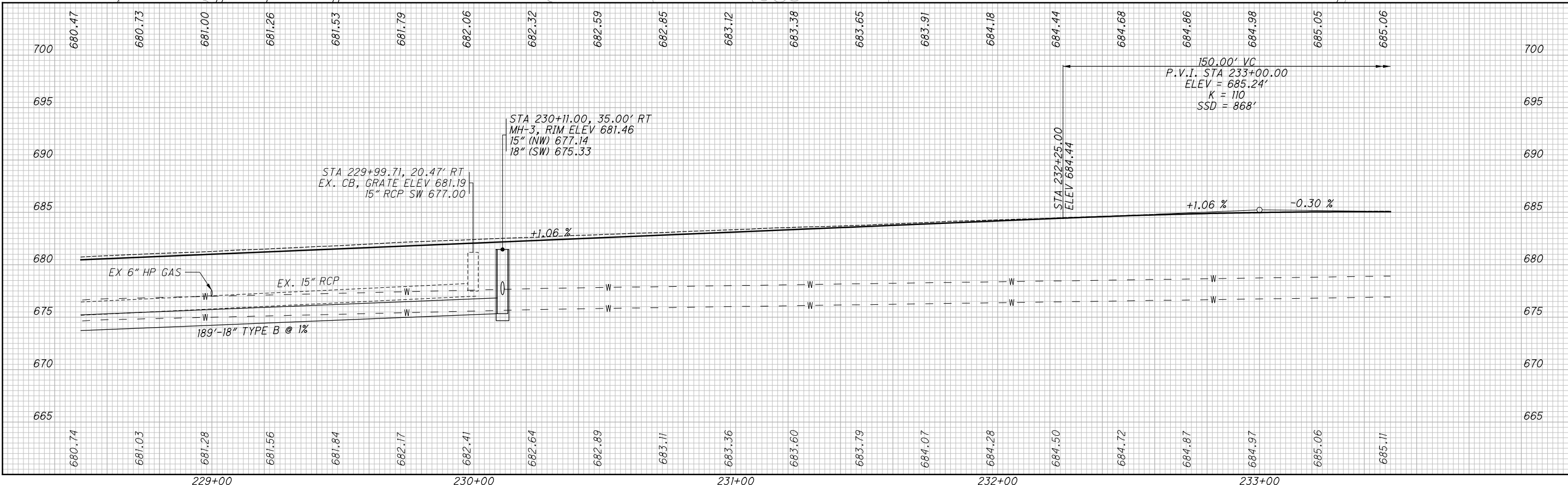


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 P.I. Sta. 233+85.09  
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 $T = 101.56'$   
 $L = 203.10'$   
 $E = 0.68'$   
 $C = 203.10'$   
 $C.B. = N 64^\circ 33' 32'' E$

$\odot$  CURVE DATA  
 P.I. Sta. 229+21.41  
 $\Delta = 3^\circ 35' 06''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 89.66'$   
 $L = 179.25'$   
 $E = 1.40'$   
 $C = 179.22'$   
 $C.B. = N 62^\circ 00' 17'' E$   
 $e_{MAX} = 0.035$

PERRY TOWNSHIP BOARD OF TRUSTEES  
 03-A-029-0-00-001-0  
 3426 NORTH RIDGE

TEMPORARY PAVEMENT



CALCULATED  
 T.L.S.  
 CHECKED  
 J.M.P.

**PLAN AND PROFILE U.S. 20**  
**STA. 228+50 TO STA. 233+50**

**LAK-US-20-19.59**  
**PART 1**

449  
 1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GPO26.dgn Sheet 7/15/2022 3:16:08 PM troyer

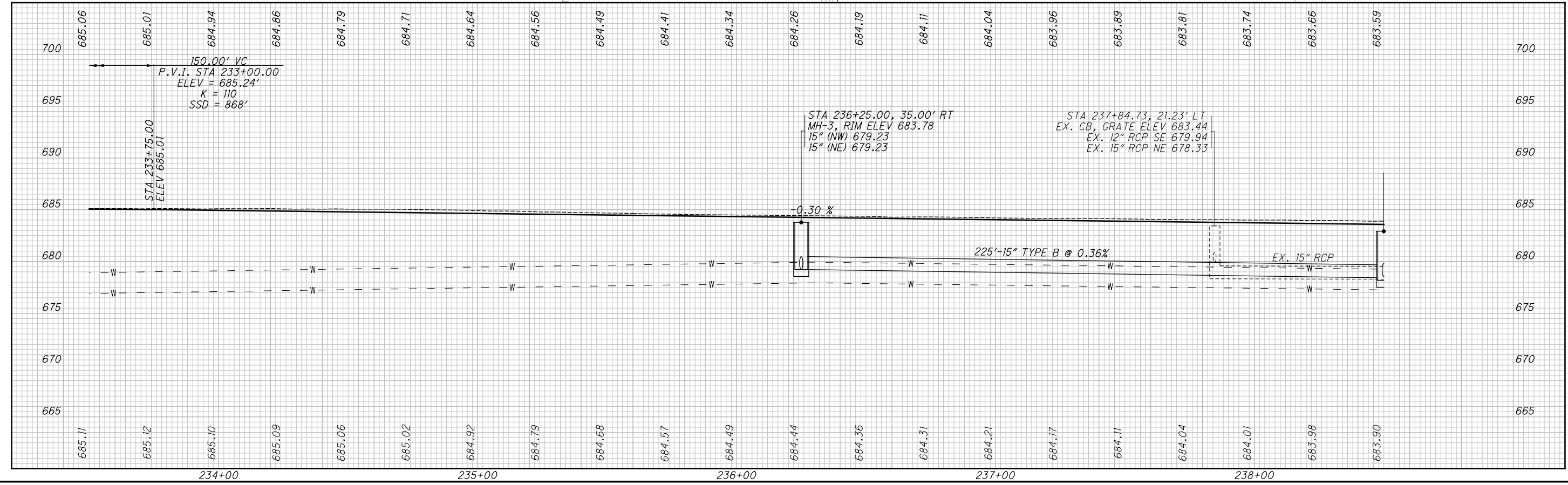
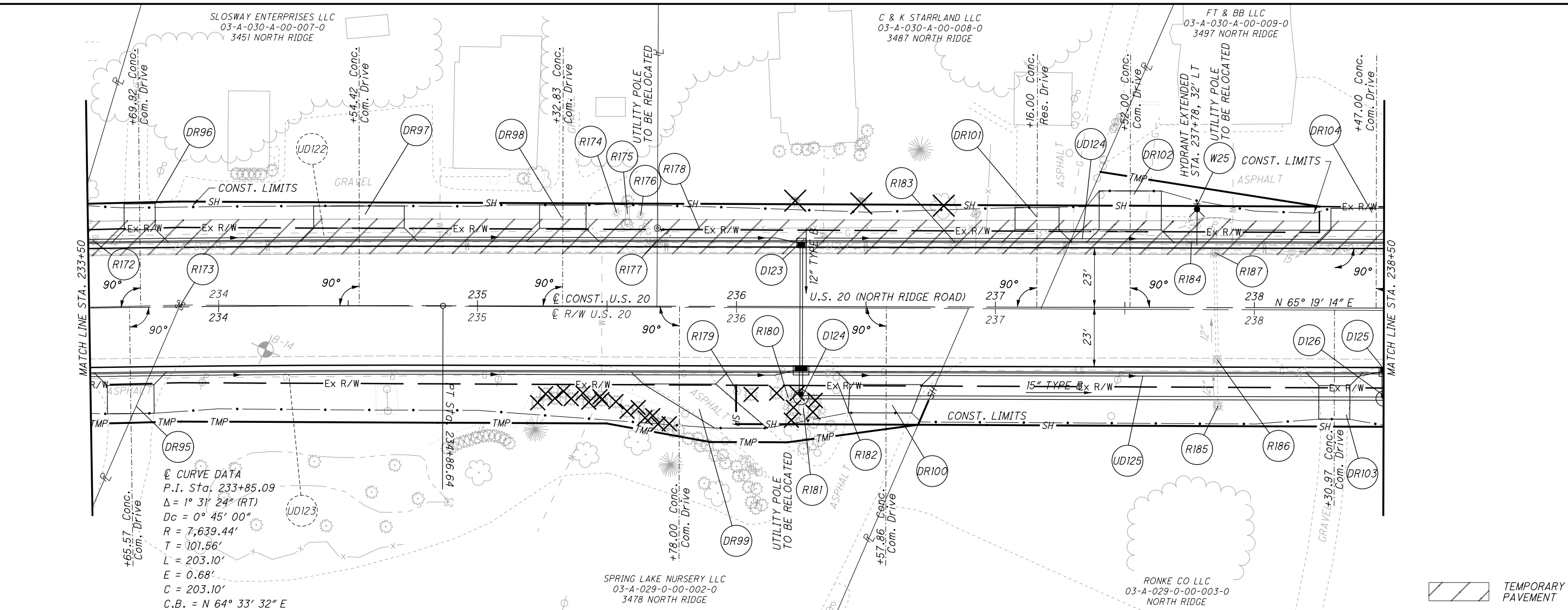
CALCULATED  
TLS  
CHECKED  
JMP

0  
0  
HORIZONTAL  
SCALE IN FEET

**PLAN AND PROFILE U.S. 20  
STA. 233+50 TO STA. 238+50**

**LAK-US-20-19.59  
PART 1**

450  
1253

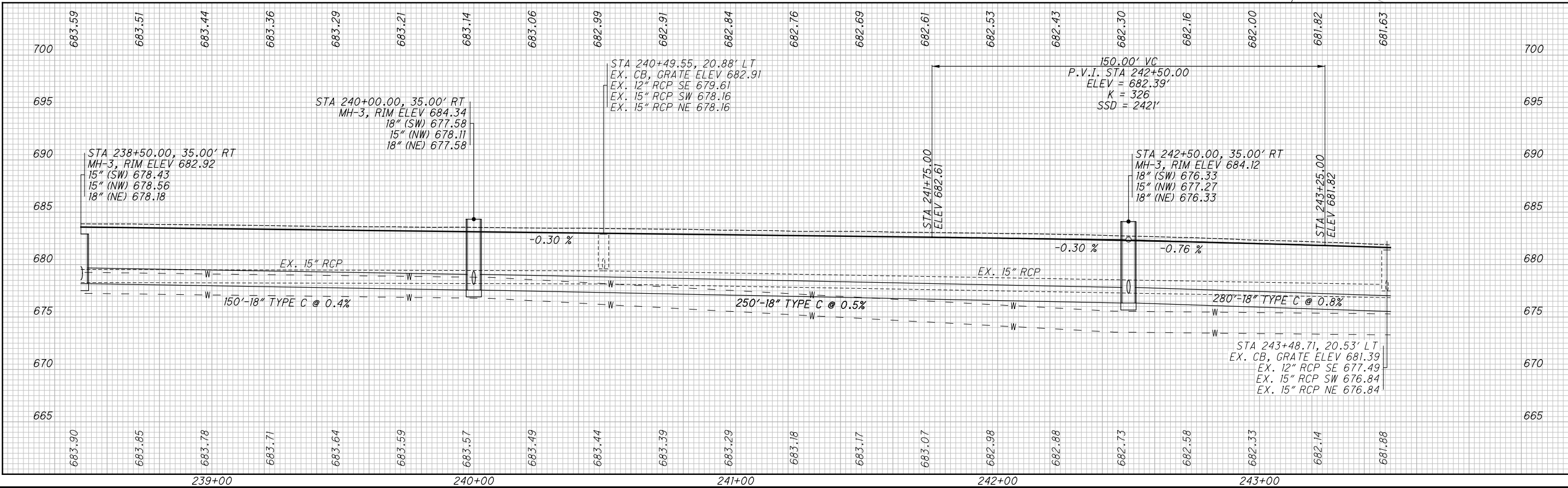
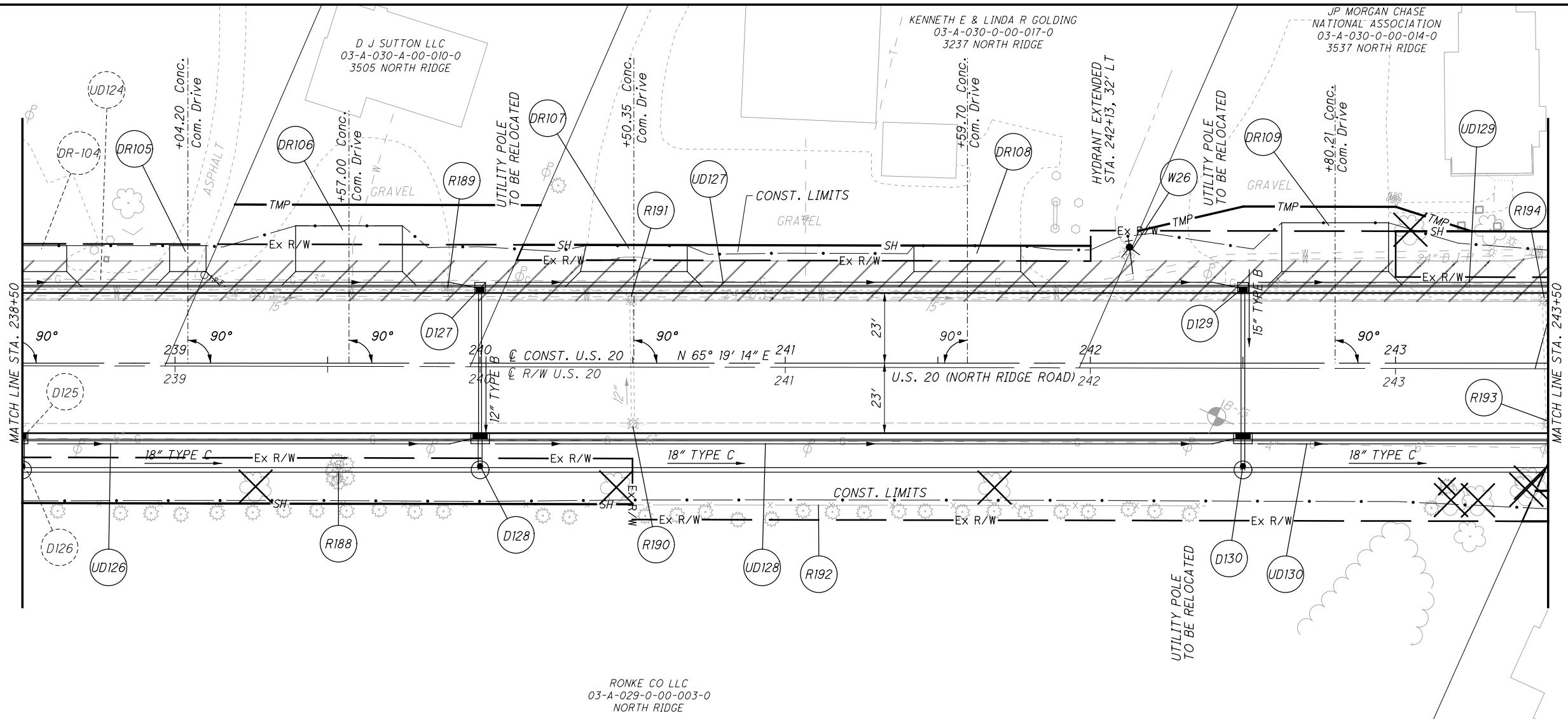


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CALCULATED  
TLS  
CHECKED  
JMP

**PLAN AND PROFILE U.S. 20  
STA. 238+50 TO STA. 243+50**

**LAK-US-20-19.59  
PART 1**



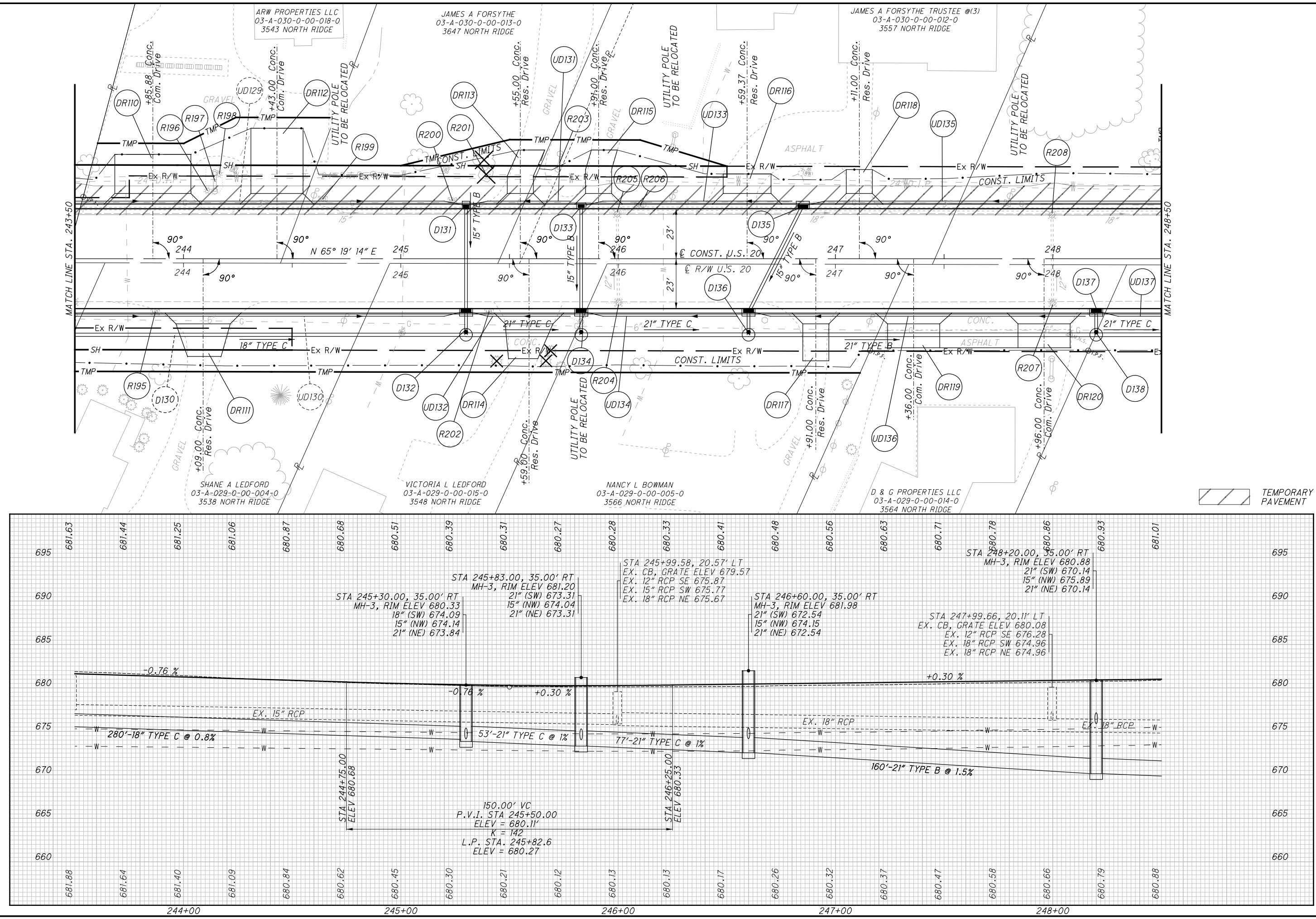
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 CHECKED JMP

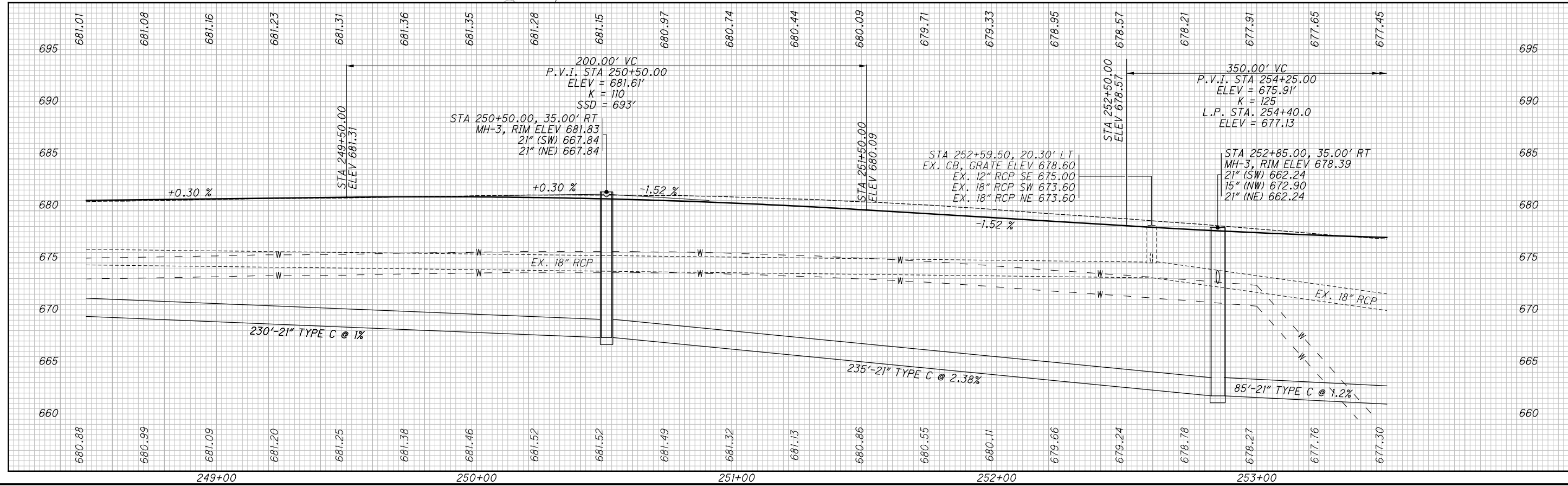
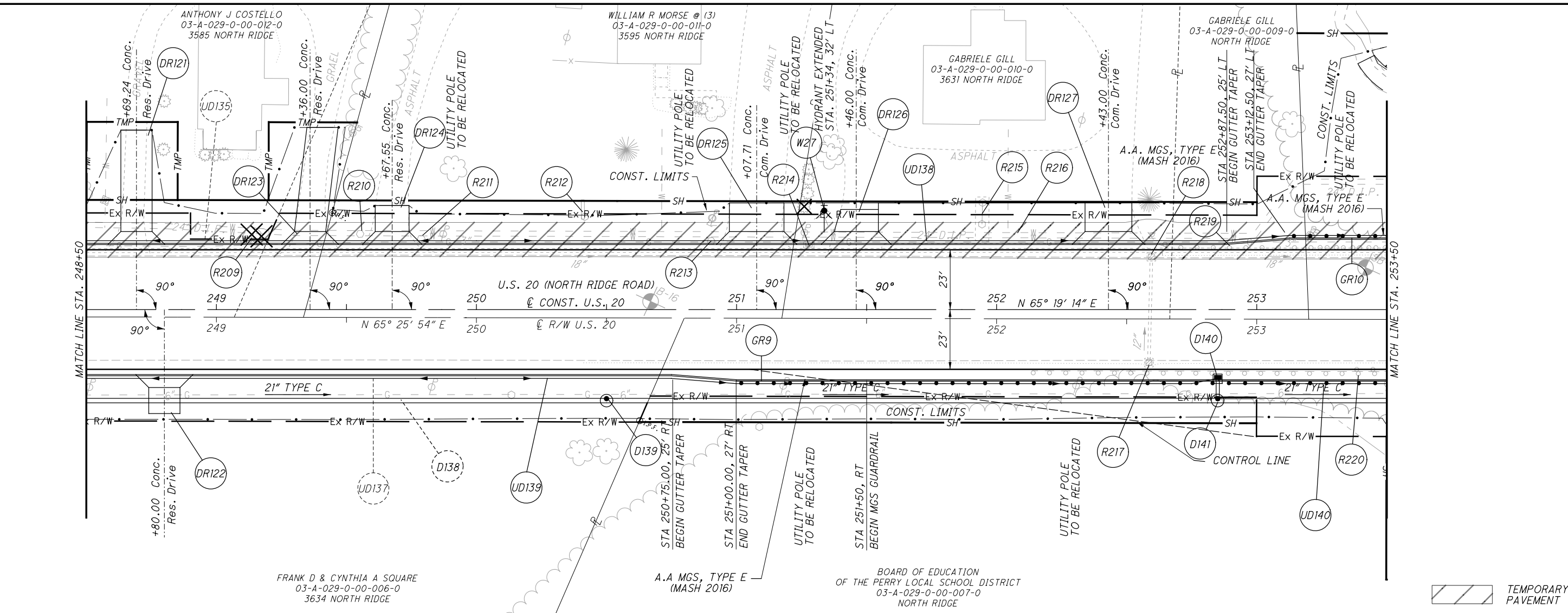
0 10 20 30 40  
 HORIZONTAL SCALE IN FEET

**PLAN AND PROFILE U.S. 20  
 STA. 243+50 TO STA. 248+50**

**LAK-US-20-19.59  
 PART 1**

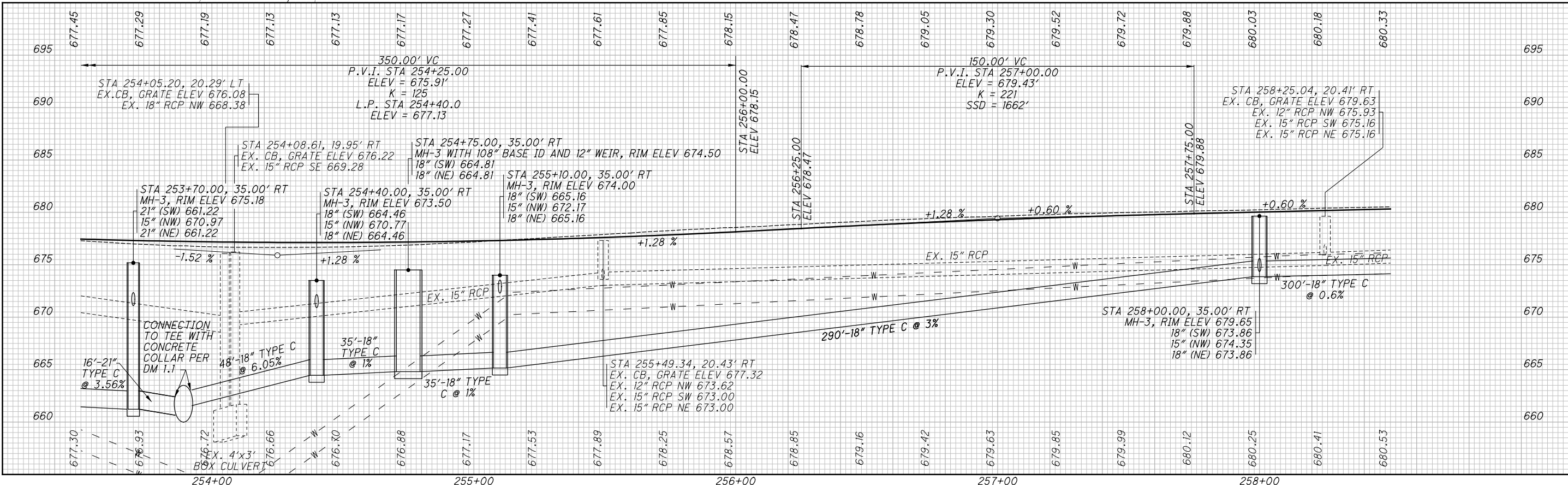
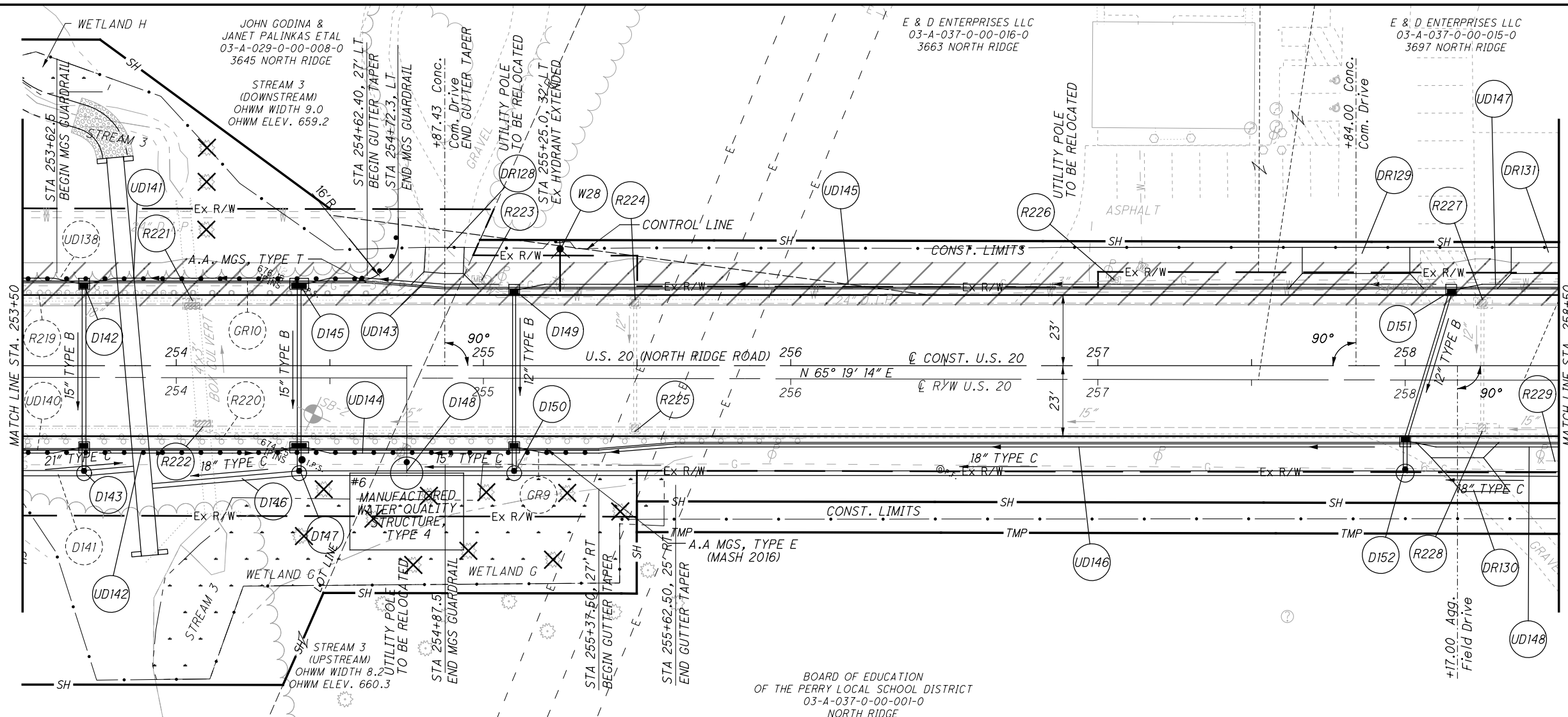








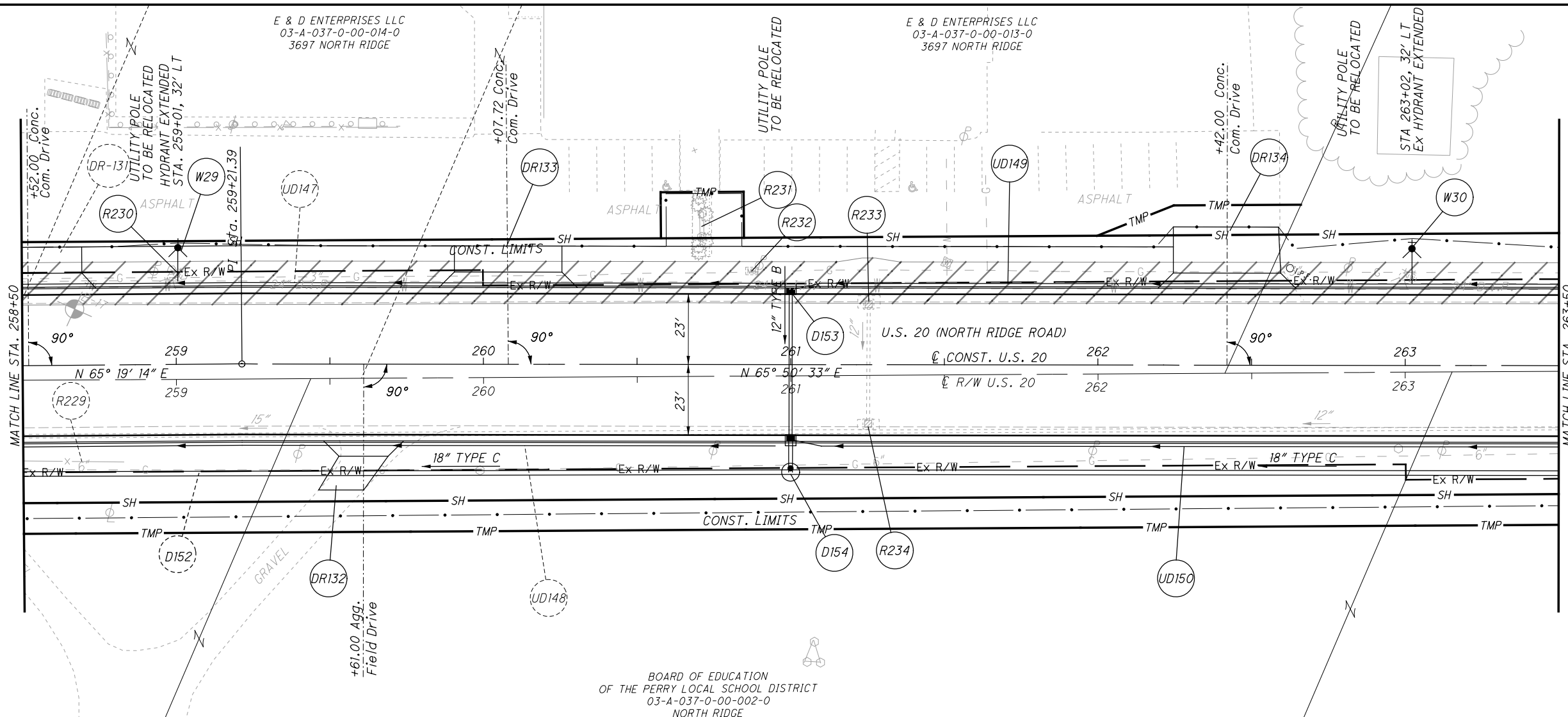
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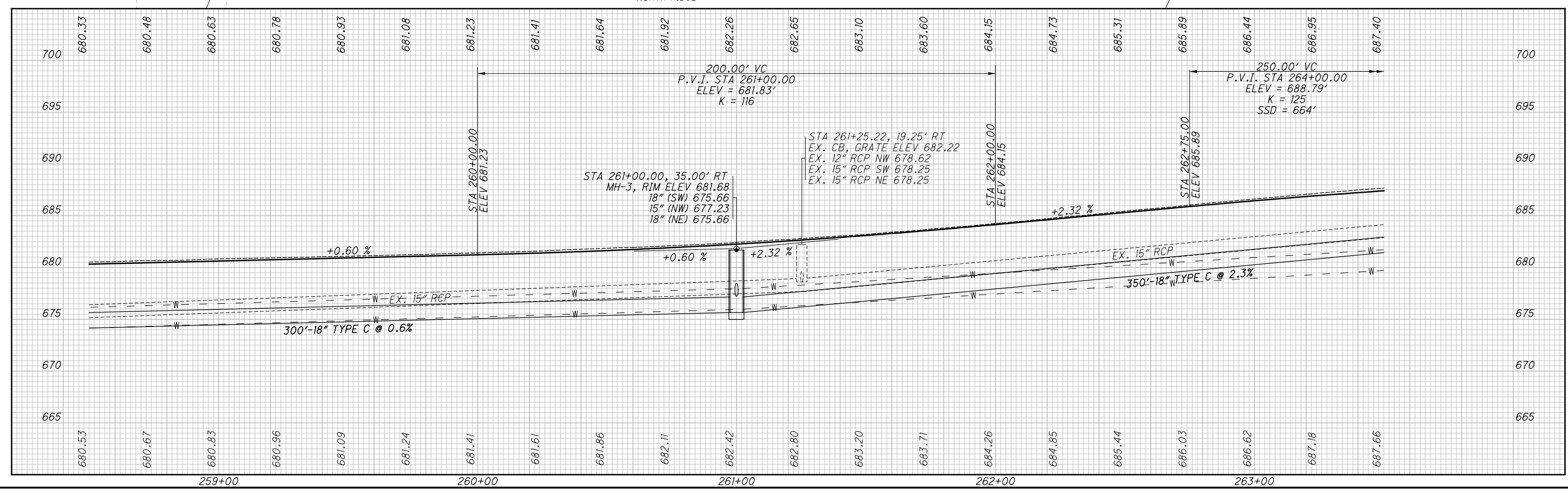
**PLAN AND PROFILE U.S. 20  
STA. 253+50 TO STA. 258+50**

**LAK-US-20-19.59  
PART 1**

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP031.dgn Sheet 7/15/2022 3:16:11 PM troyer



TEMPORARY PAVEMENT



CALCULATED  
TJS  
CHECKED  
JMP

**PLAN AND PROFILE U.S. 20  
STA. 258+50 TO STA. 263+50**

**LAK-US-20-19.59  
PART 1**

455  
1253

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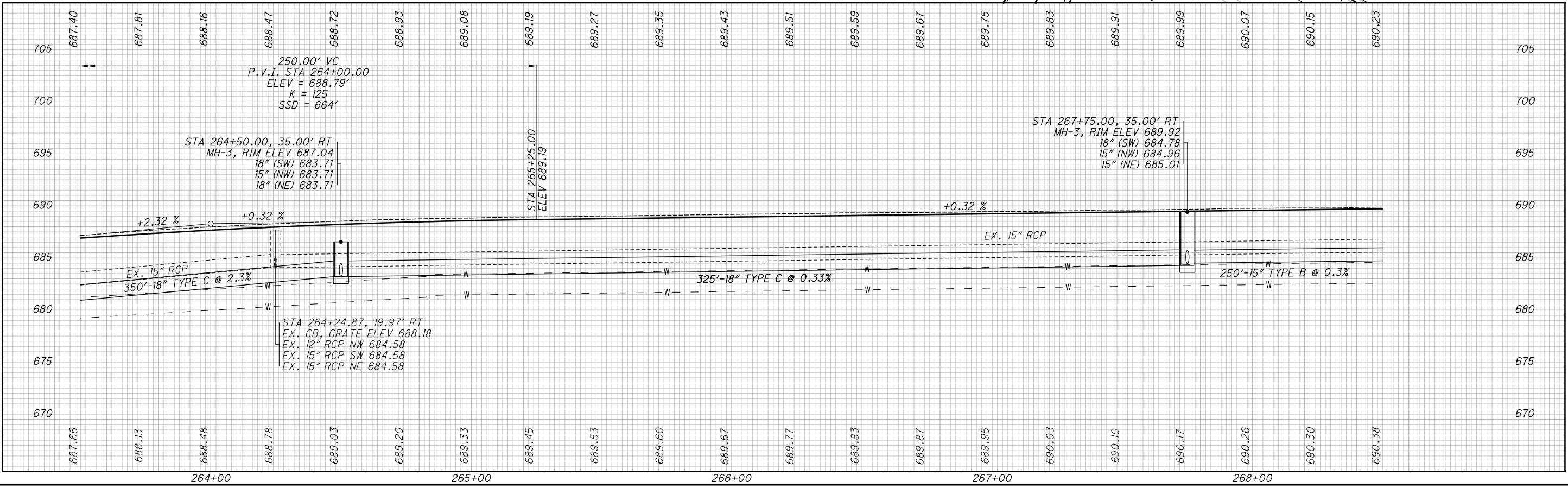
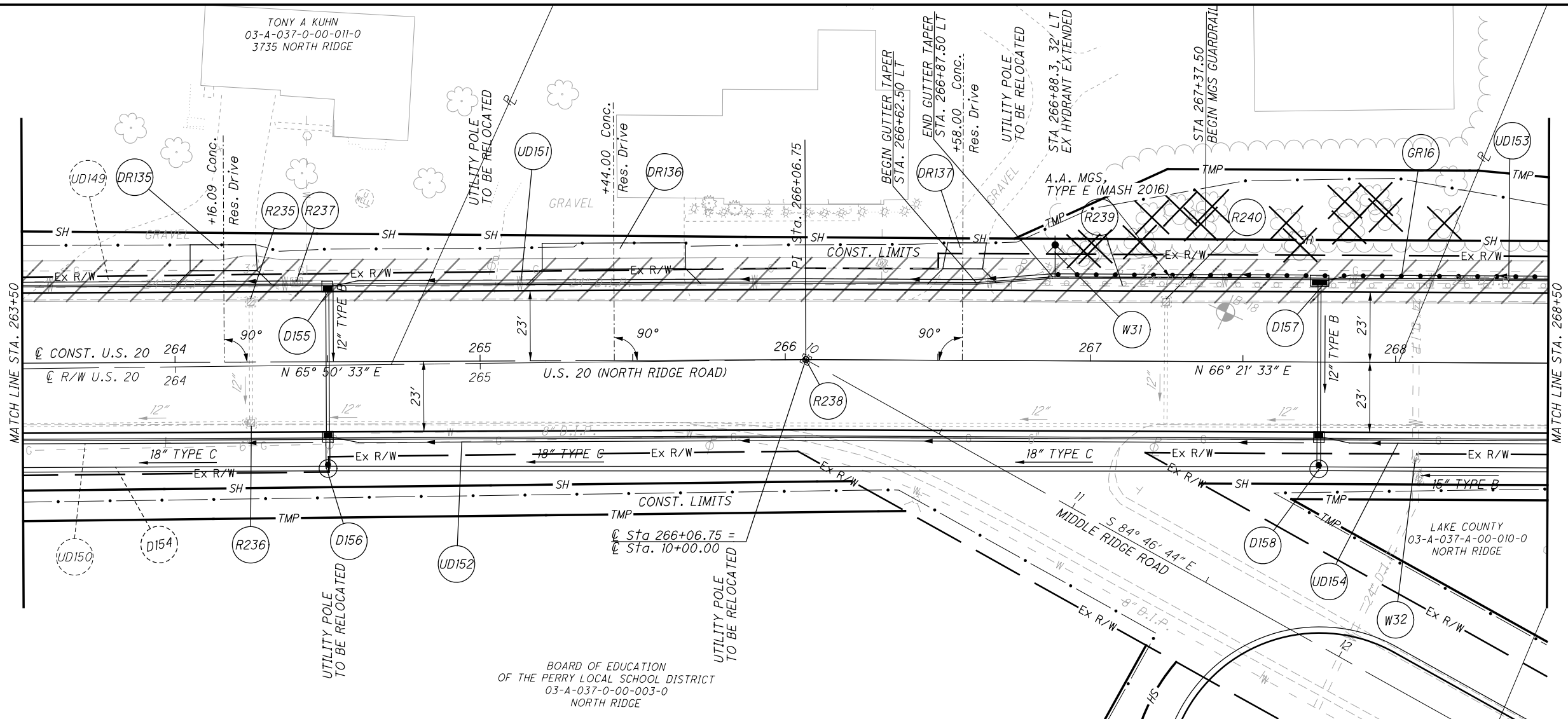


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T.L.S.  
CHECKED  
J.M.P.

**PLAN AND PROFILE - U.S. 20  
STA. 263+50 TO STA. 268+50**

**LAK-US-20-19.59  
PART 1**

456  
1253



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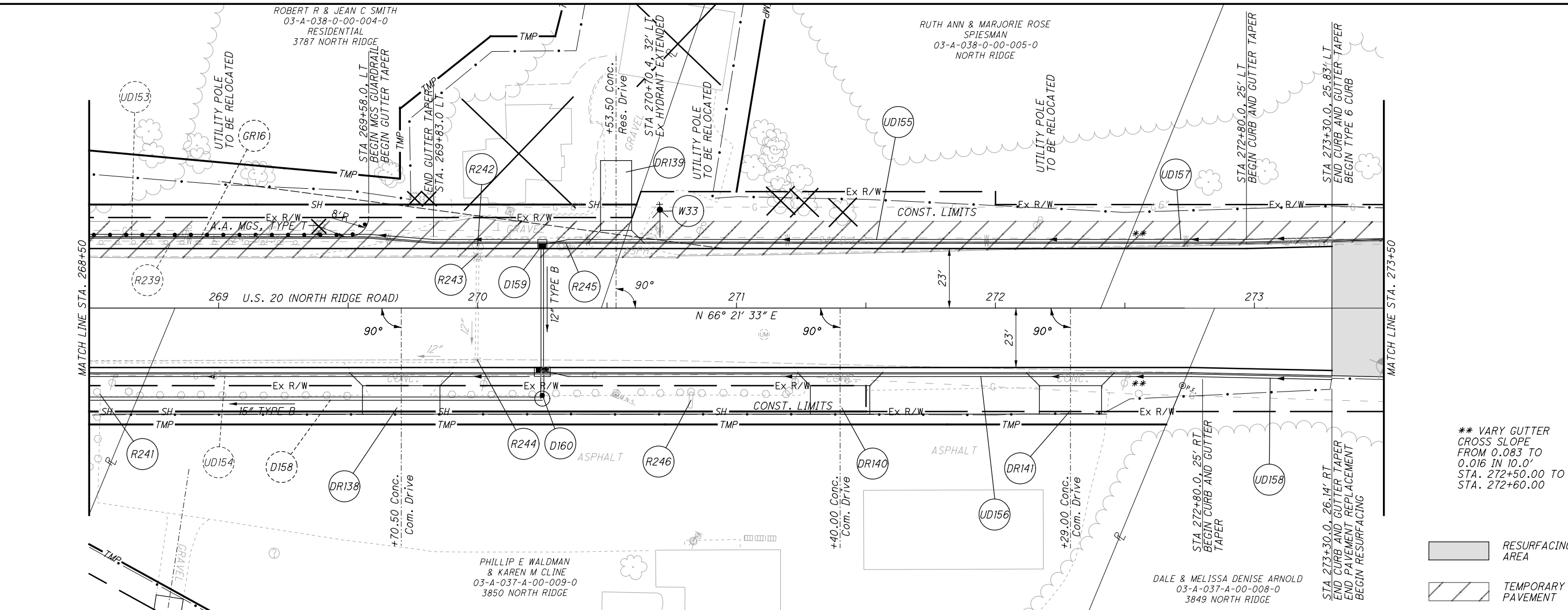


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J.M.P.

**PLAN AND PROFILE - U.S. 20  
STA. 268+50 TO STA. 273+50**

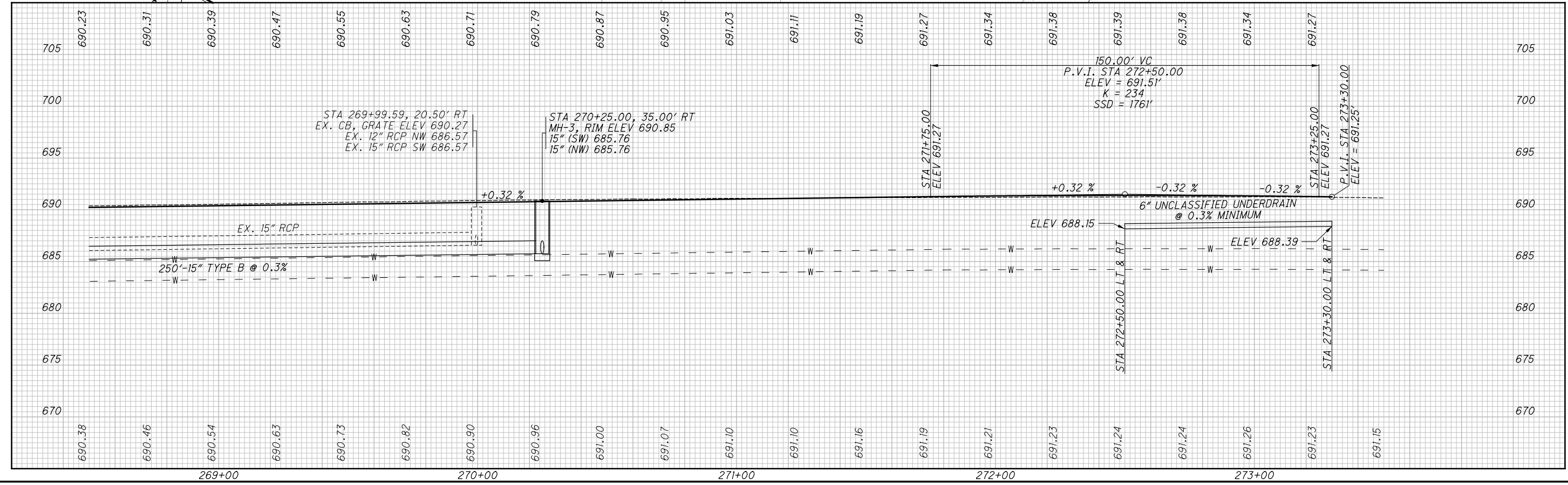
**LAK-US-20-19.59  
PART 1**

457  
1253



\*\* VARY GUTTER CROSS SLOPE FROM 0.083 TO 0.016 IN 10.0' STA. 272+50.00 TO STA. 272+60.00

- RESURFACING AREA
- TEMPORARY PAVEMENT



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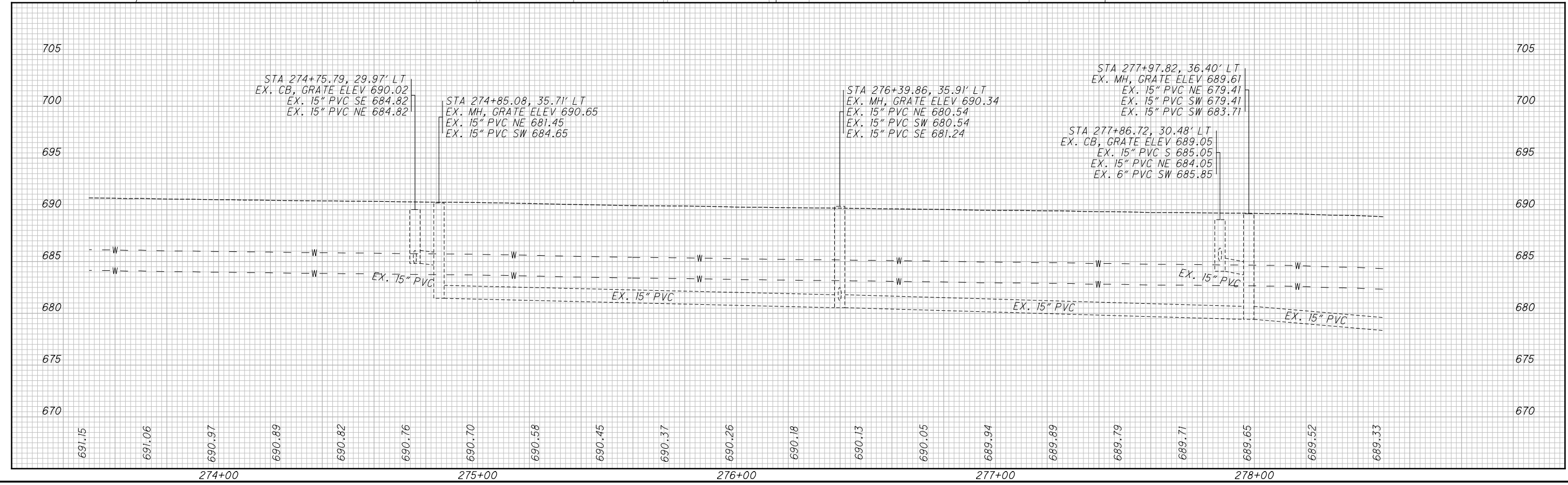
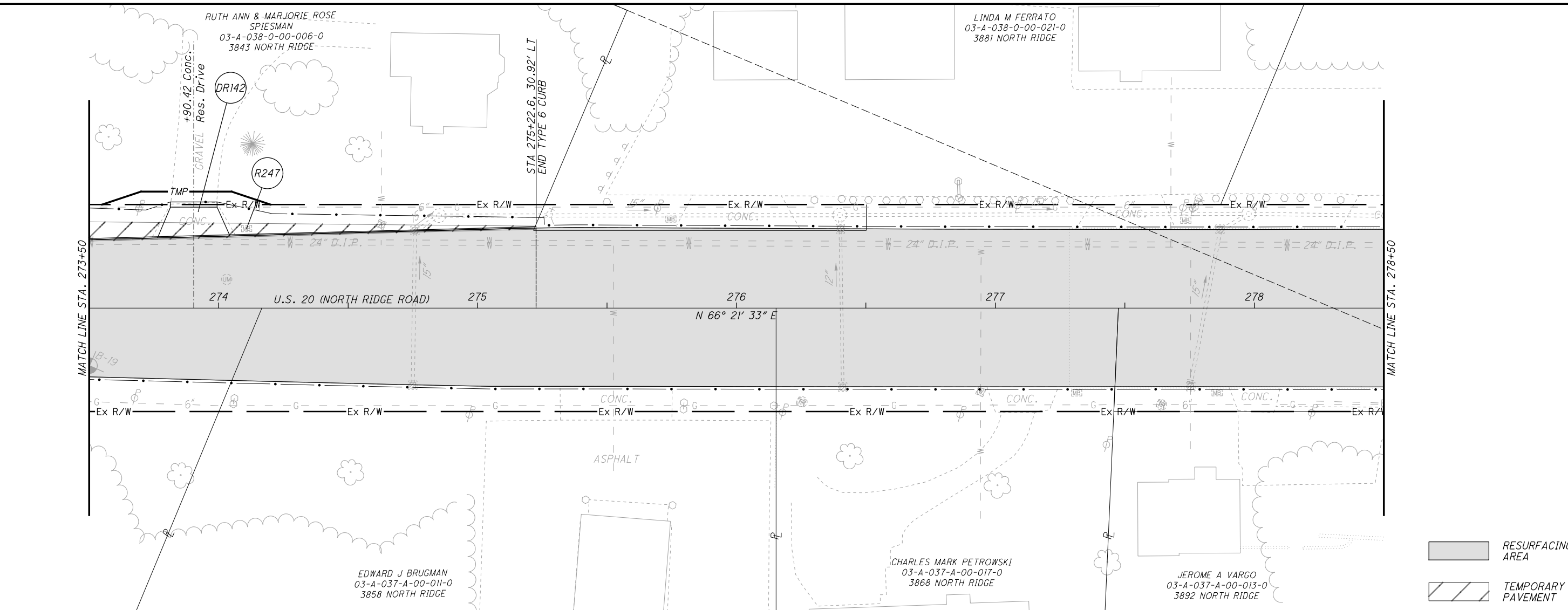
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JMP

HORIZONTAL SCALE IN FEET

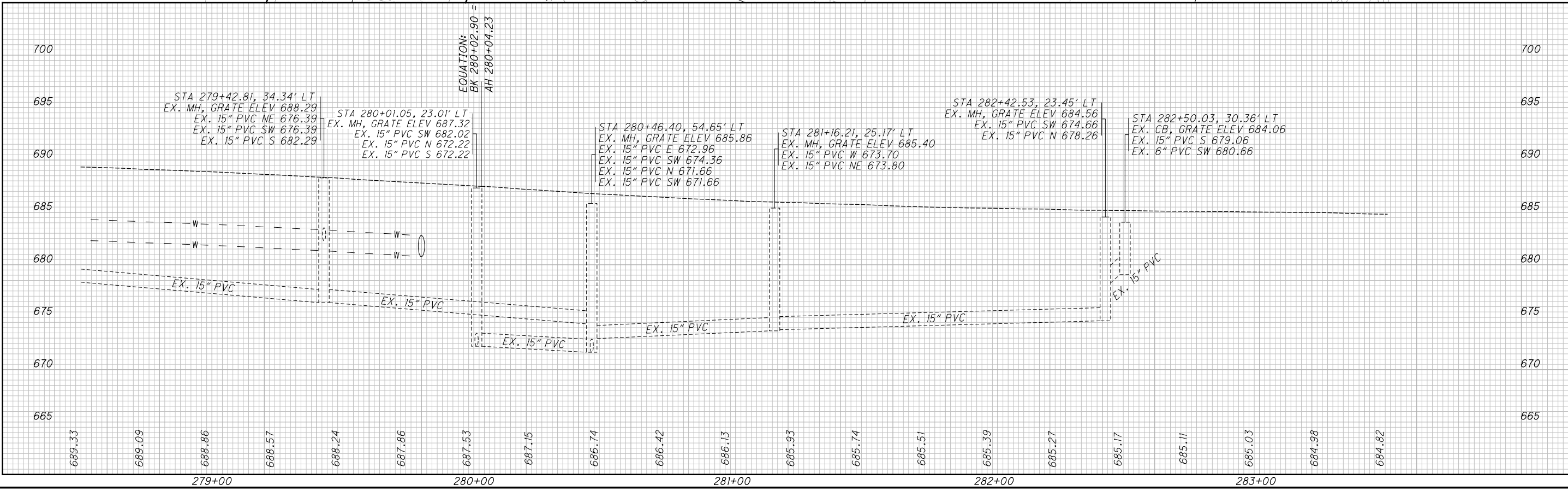
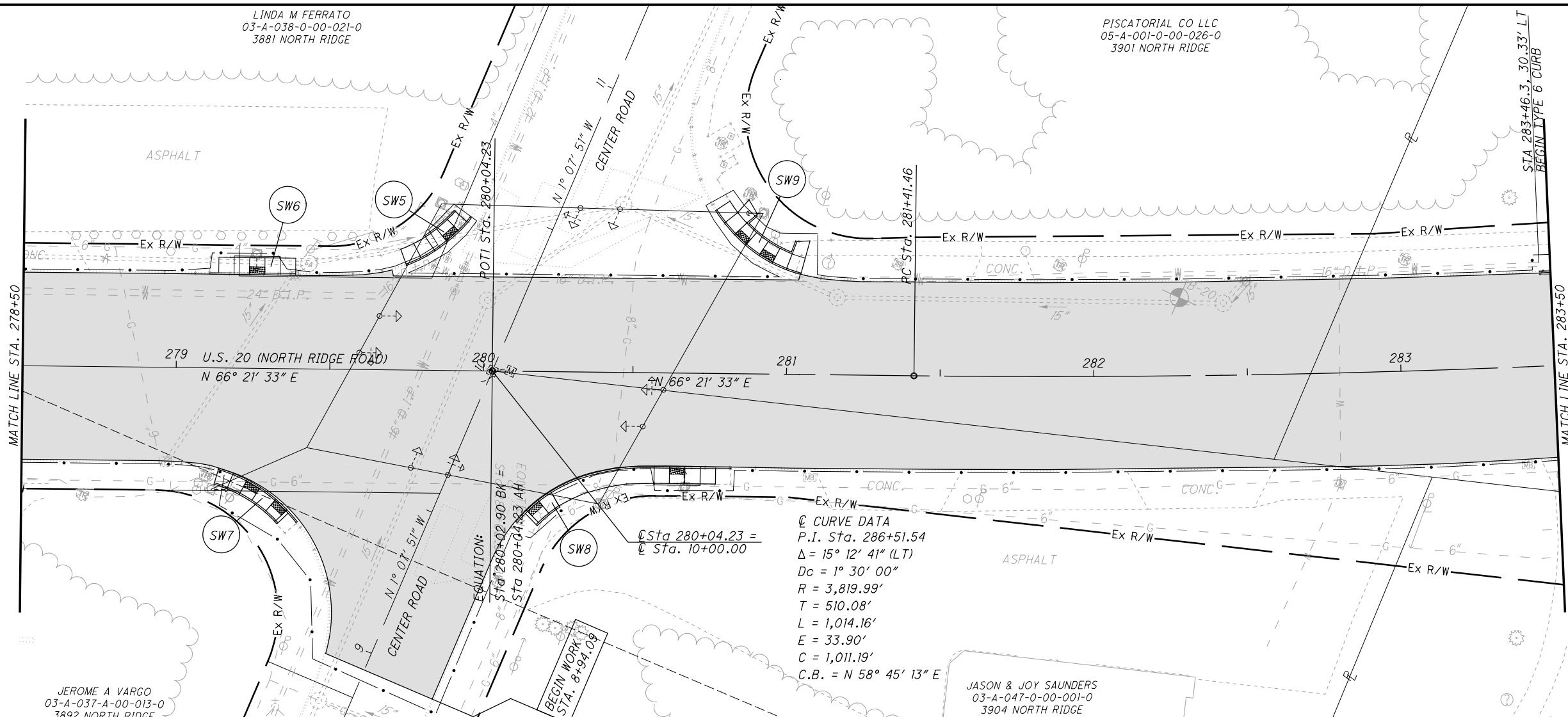
**PLAN AND PROFILE - U.S. 20  
STA. 273+50 TO STA. 278+50**

**LAK-US-20-19.59  
PART 1**

458  
1253



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**LAK-US-20-19.59 PART 1**

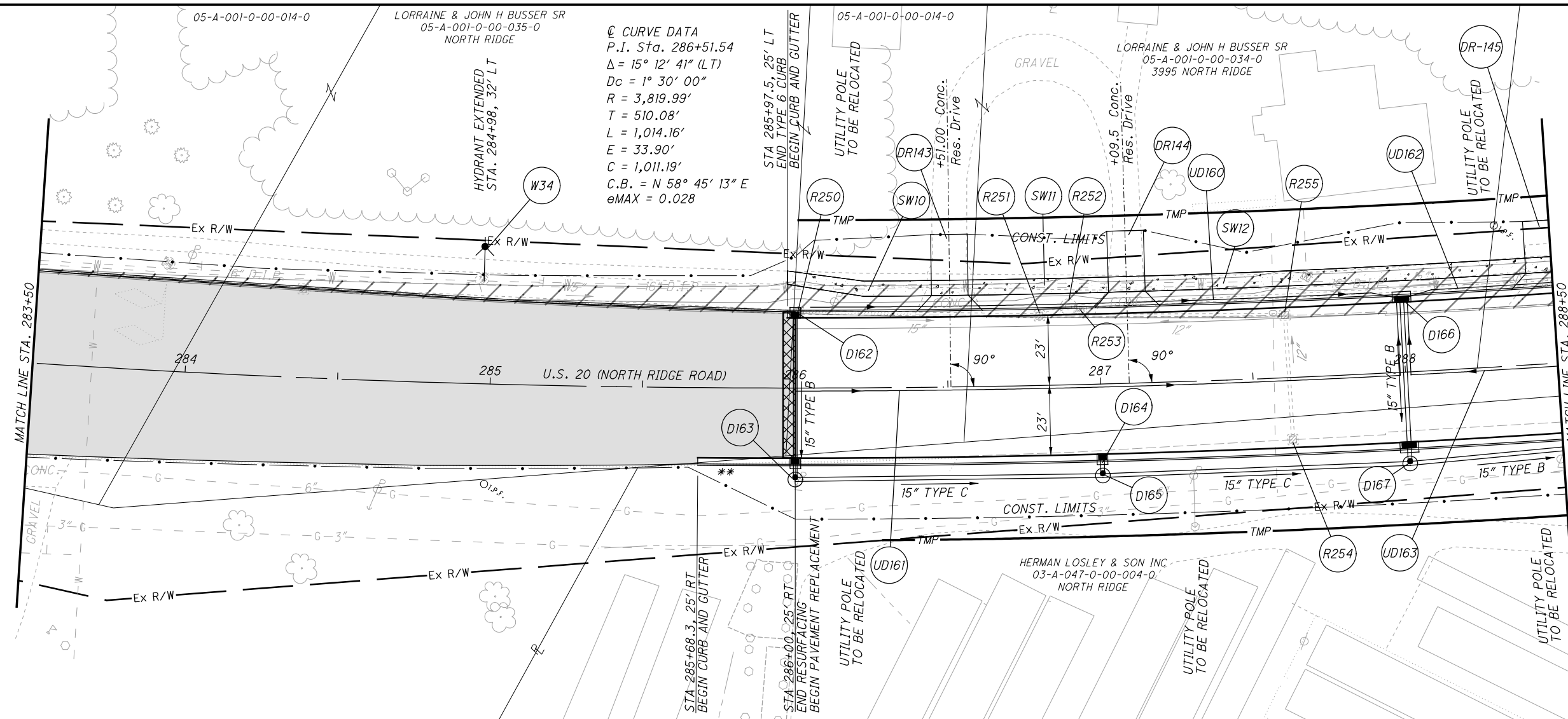
**PLAN AND PROFILE - U.S. 20 STA. 278+50 TO STA. 283+50**

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0 20 40  
 HORIZONTAL SCALE IN FEET

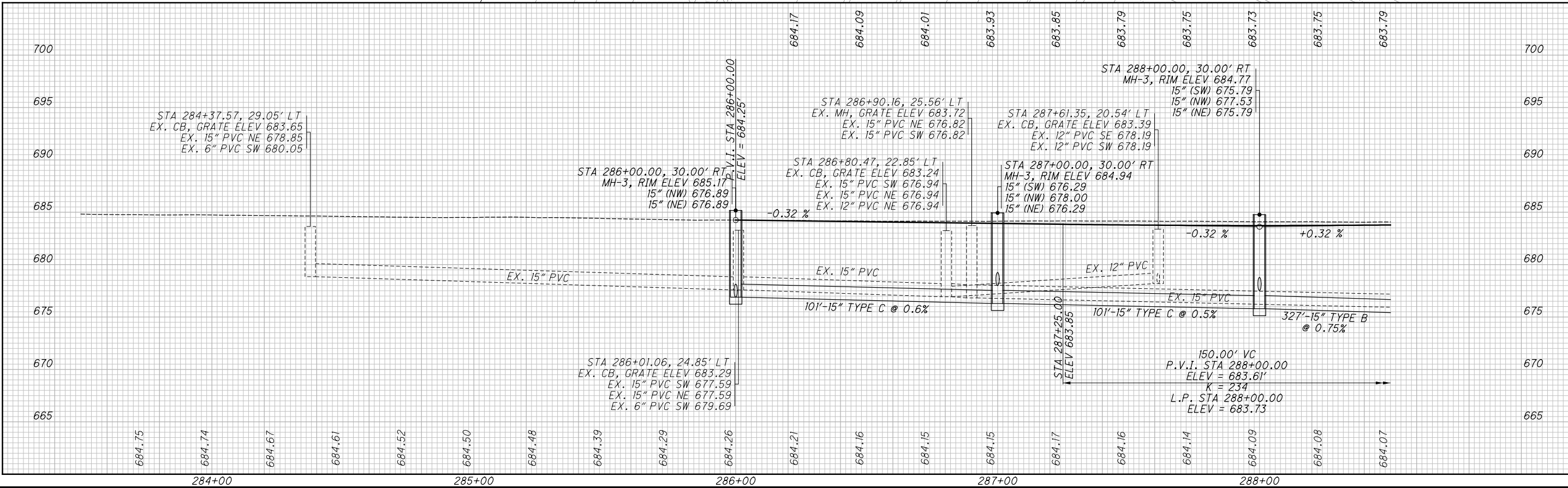
459  
 1253

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CURVE DATA  
 P.I. Sta. 286+51.54  
 $\Delta = 15^\circ 12' 41''$  (LT)  
 $Dc = 1^\circ 30' 00''$   
 $R = 3,819.99'$   
 $T = 510.08'$   
 $L = 1,014.16'$   
 $E = 33.90'$   
 $C = 1,011.19'$   
 $C.B. = N 58^\circ 45' 13'' E$   
 $eMAX = 0.028$

- PAVEMENT REPAIR
  - RESURFACING AREA
  - TEMPORARY PAVEMENT
- \*\* VARY GUTTER CROSS SLOPE FROM 0.016 TO 0.083 IN 10.0'



**PLAN AND PROFILE - U.S. 20**  
**STA. 283+50 TO STA. 288+50**

**LAK-US-20-19.59**  
**PART 1**

460  
1253



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**☉ CURVE DATA**  
 P.I. Sta. 286+51.54  
 $\Delta = 15^\circ 12' 41''$  (LT)  
 $Dc = 1^\circ 30' 00''$   
 $R = 3,819.99'$   
 $T = 510.08'$   
 $L = 1,014.16'$   
 $E = 33.90'$   
 $C = 1,011.19'$   
 $C.B. = N 58^\circ 45' 13'' E$

RONALD GEORGE KALEAL &  
 SARAH MARIE KALEAL  
 05-A-001-0-00-013-0  
 4007 NORTH RIDGE

JANICE M LEROY  
 05-A-001-0-00-012-0  
 4066 NORTH RIDGE

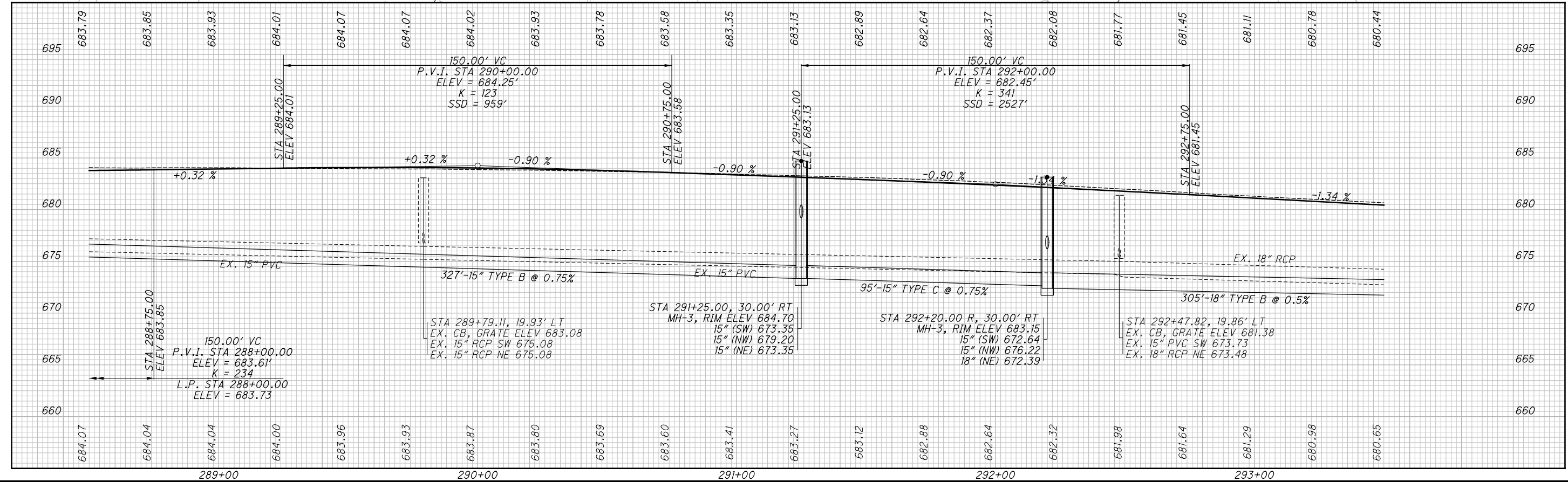
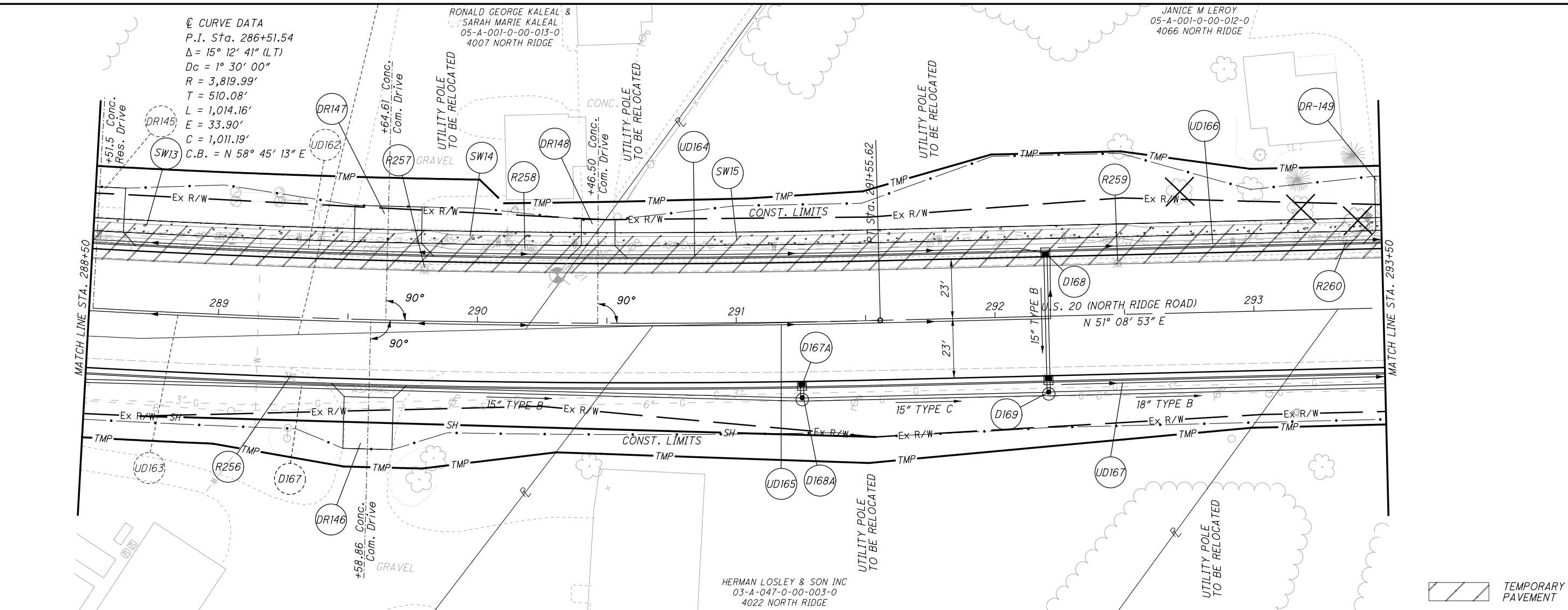
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 TJS  
 CHECKED  
 JMP

HORIZONTAL  
 SCALE IN FEET

**PLAN AND PROFILE - U.S. 20**  
**STA. 288+50 TO STA. 293+50**

**LAK-US-20-19.59**  
**PART 1**

461  
 1253





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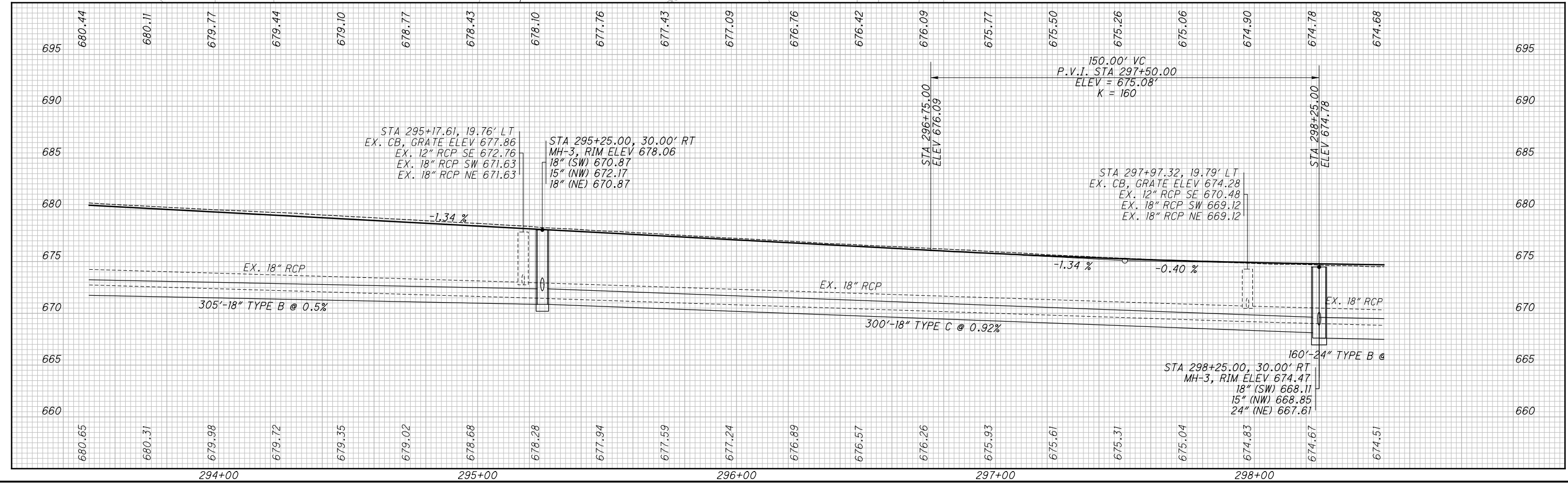
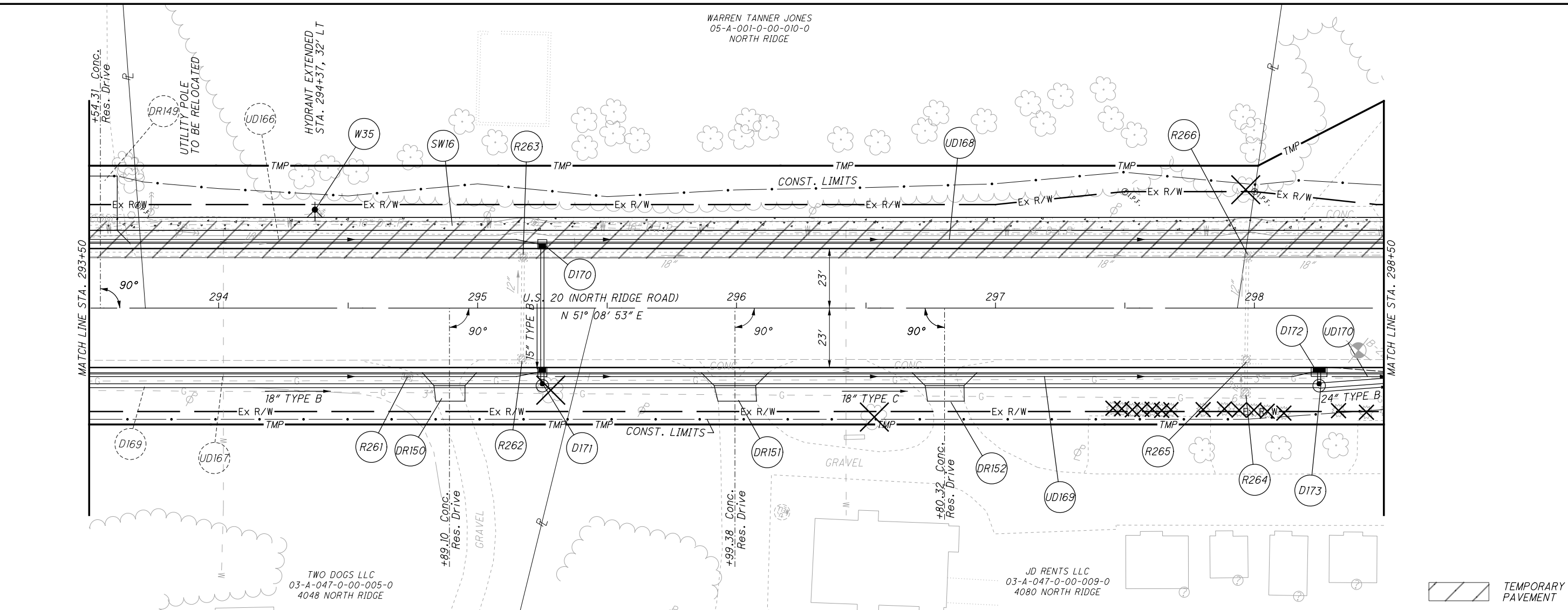
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T.L.S.  
CHECKED  
J.M.P.

0 20 40  
HORIZONTAL  
SCALE IN FEET

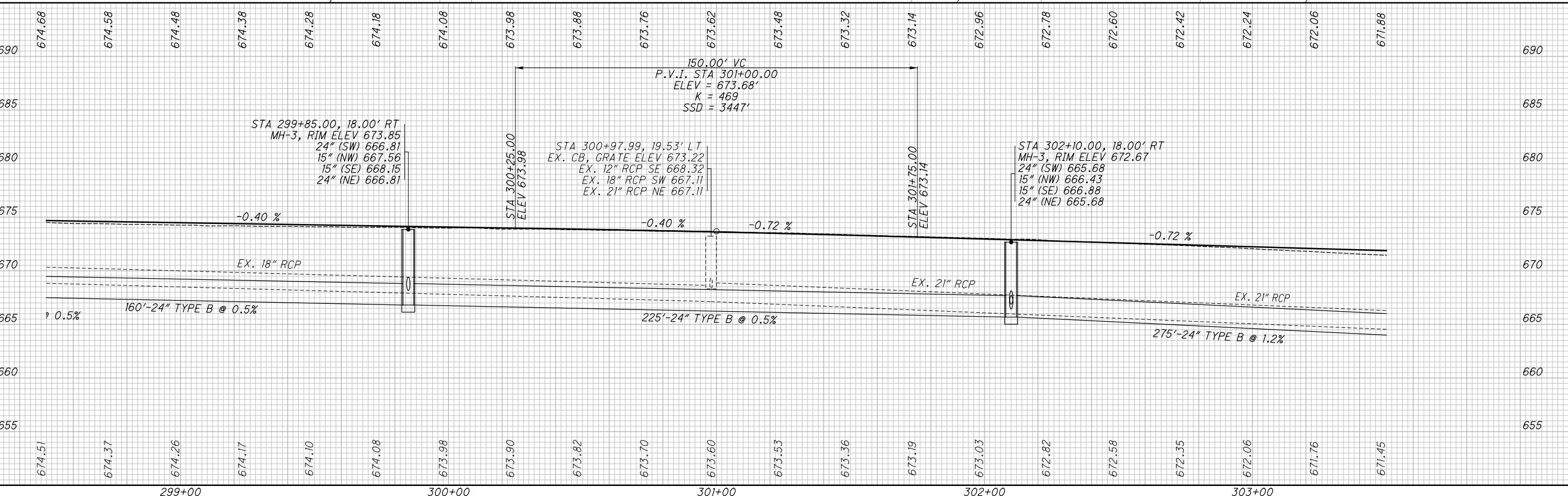
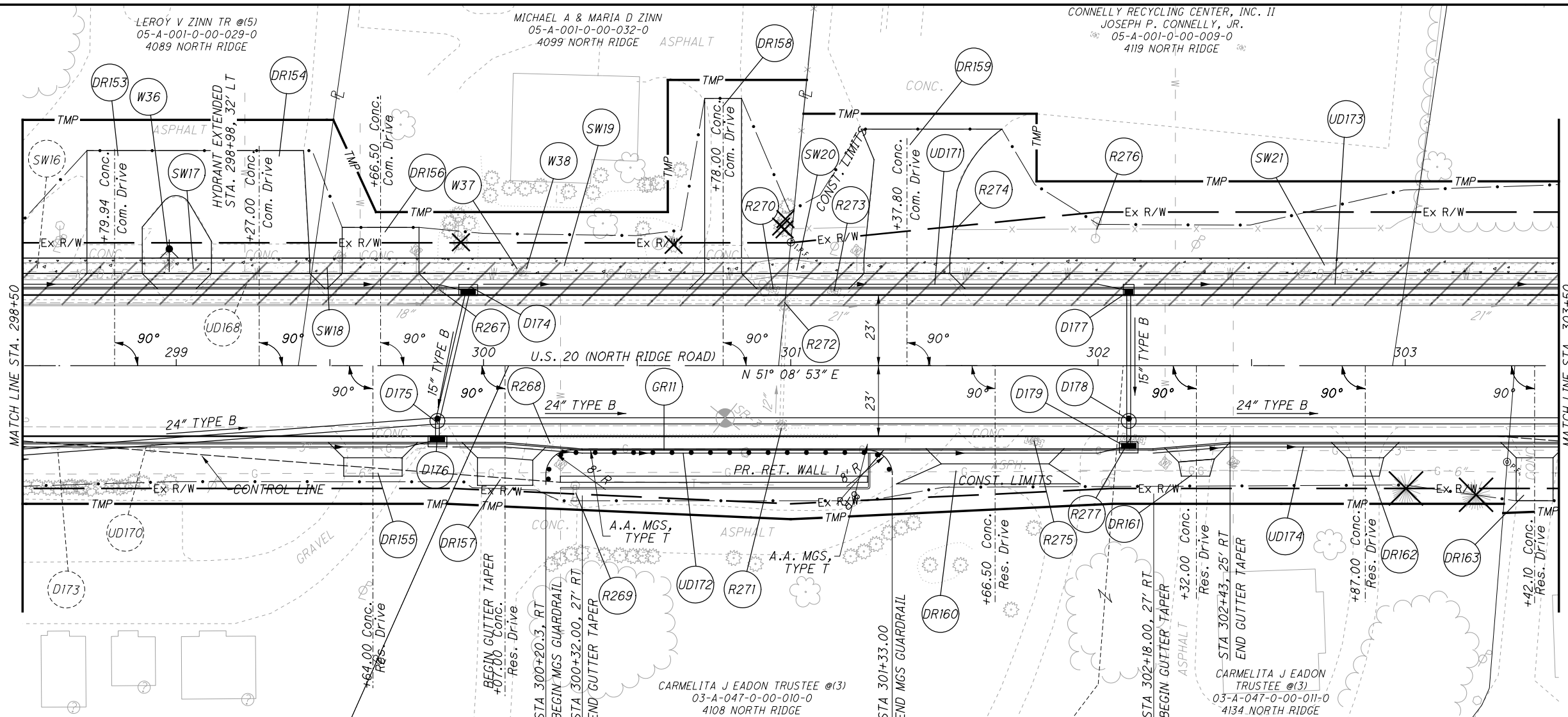
**PLAN AND PROFILE - U.S. 20  
STA. 293+50 TO STA. 298+50**

**LAK-US-20-19.59  
PART 1**

462  
1253



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**PLAN AND PROFILE - U.S. 20**  
**STA. 298+50 TO STA. 303+50**

**LAK-US-20-19.59**  
**PART 1**

RONKE CO LLC  
05-A-001-0-00-007-0  
NORTH RIDGE

KIM A FERGUSON  
05-A-001-0-00-028-0  
4175 NORTH ROAD

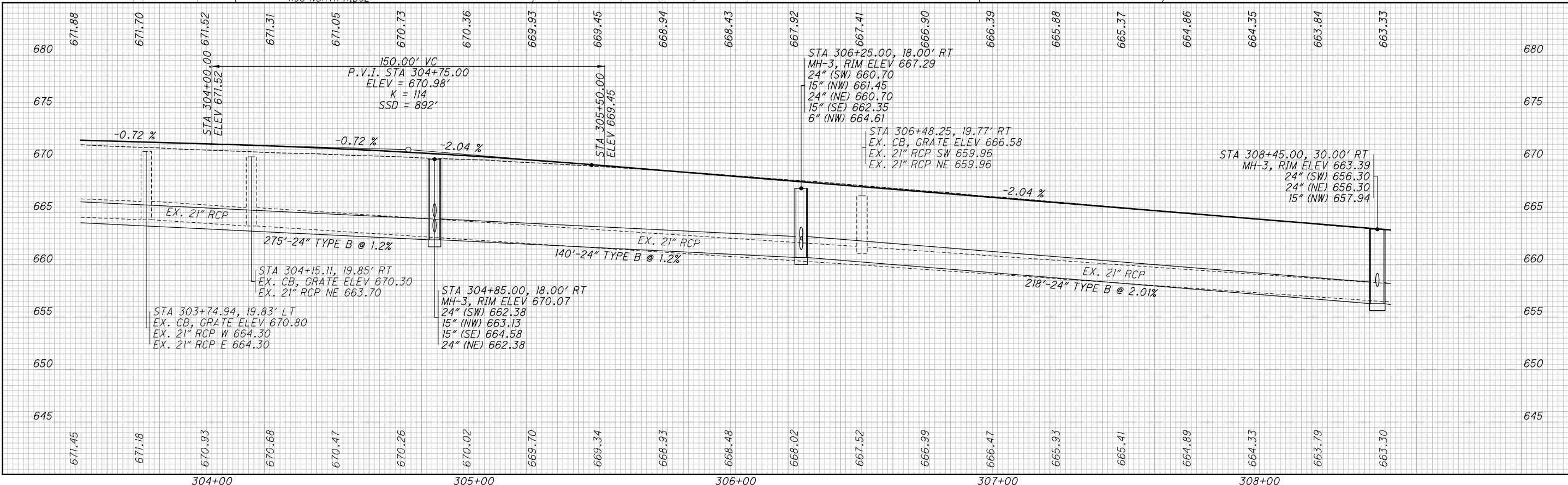
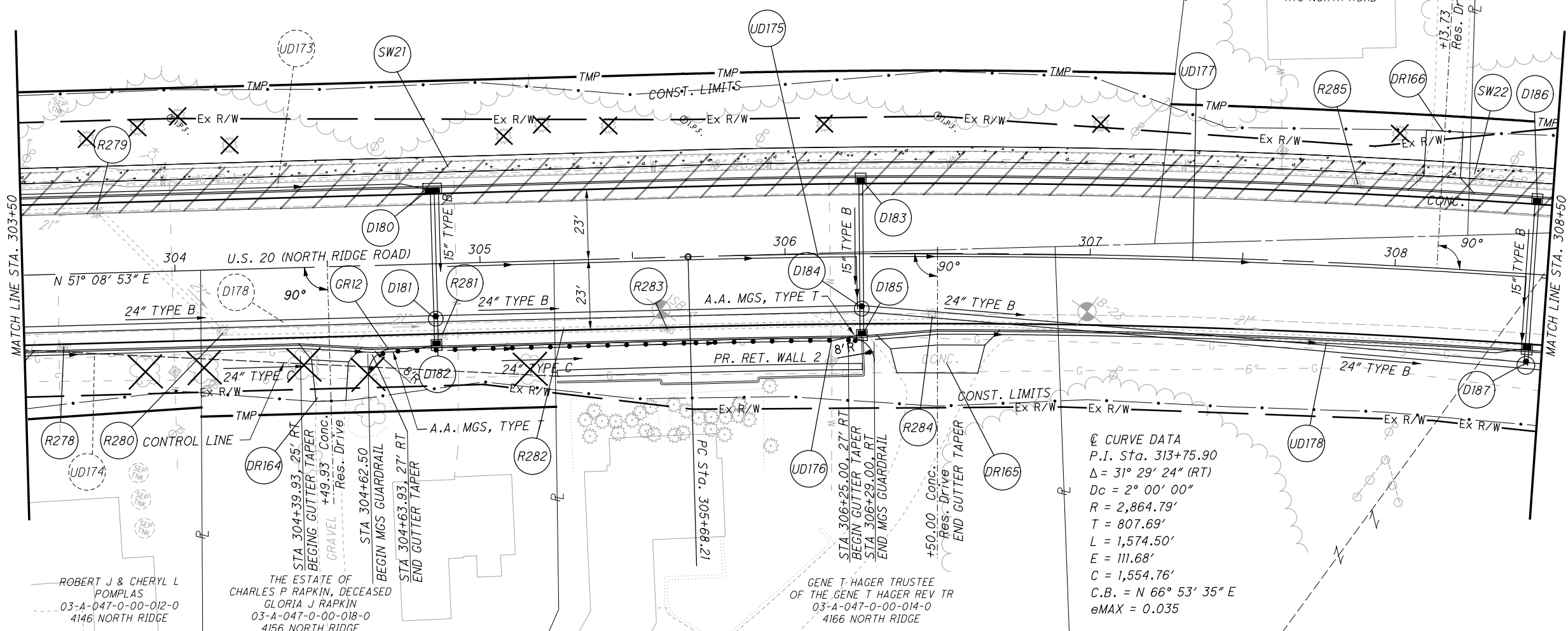


CALCULATED  
TJS  
CHECKED  
JMP

PLAN AND PROFILE - U.S. 20  
STA. 303+50 TO STA. 308+50

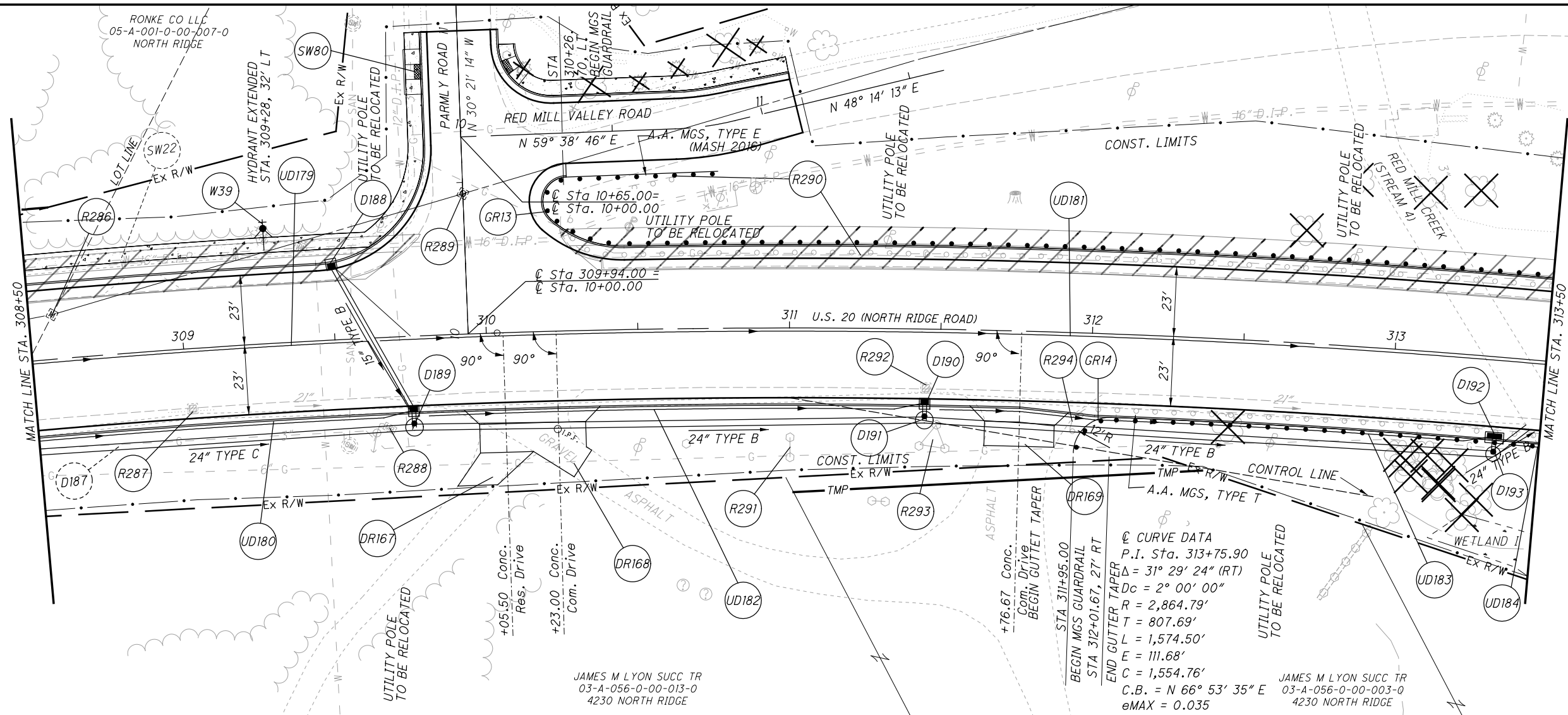
LAK-US-20-19.59  
PART 1

464  
1253



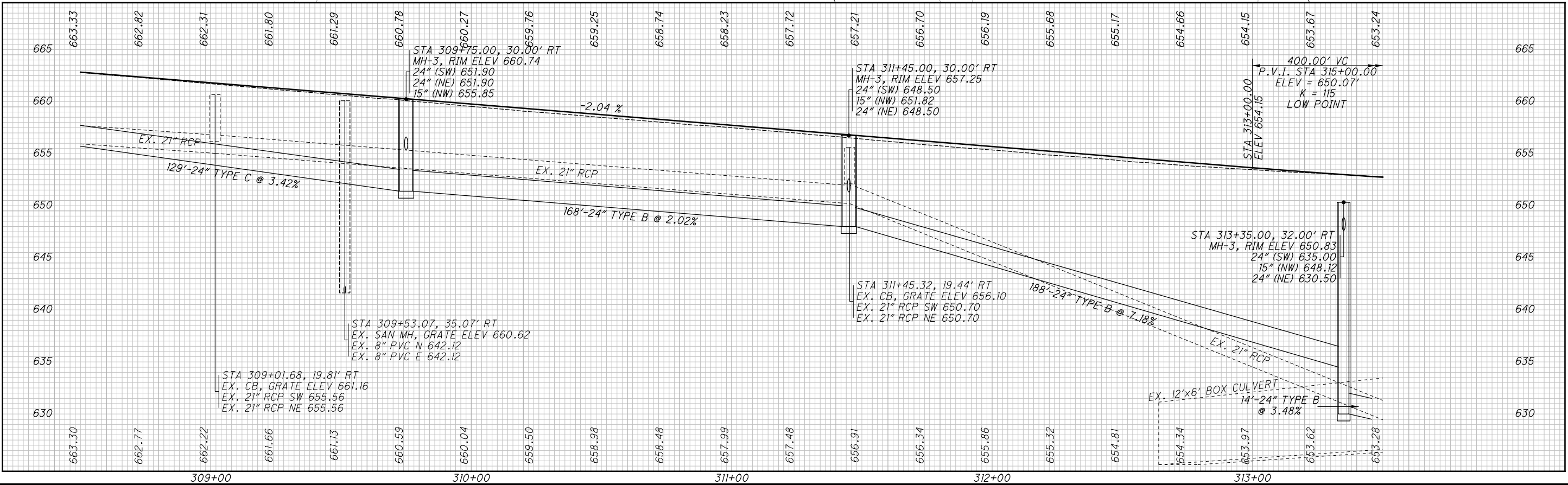
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@ CURVE DATA  
 P.I. Sta. 313+75.90  
 $\Delta = 31^\circ 29' 24''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 807.69'$   
 $L = 1,574.50'$   
 $E = 111.68'$   
 $C = 1,554.76'$   
 $C.B. = N 66^\circ 53' 35'' E$   
 $e_{MAX} = 0.035$

TEMPORARY PAVEMENT



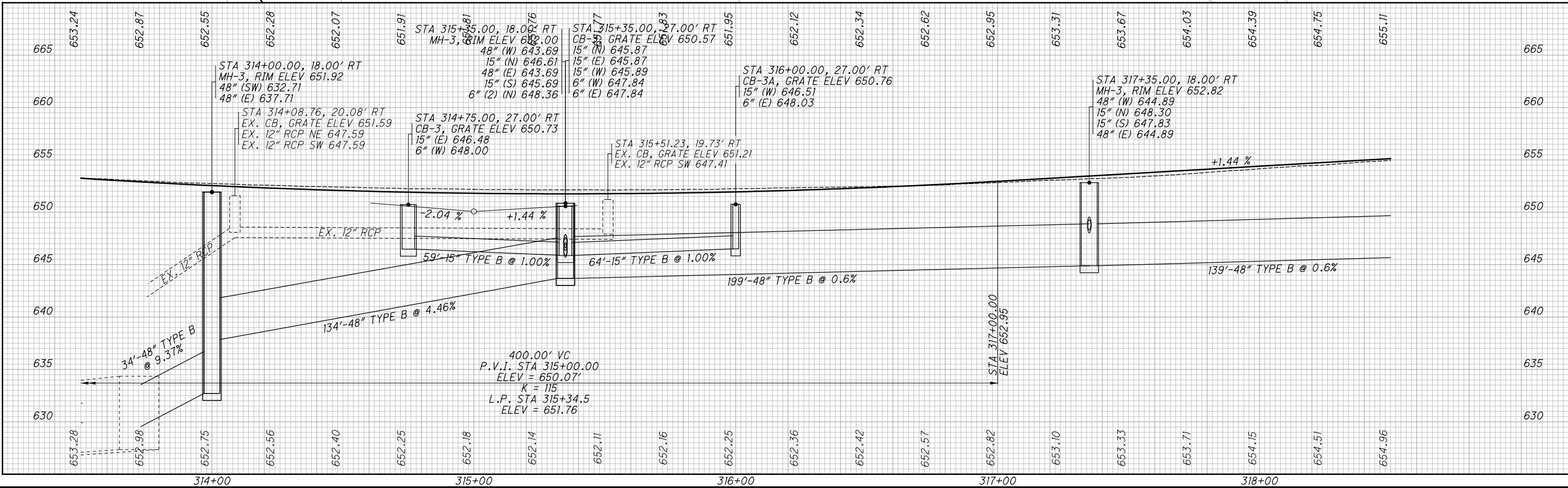
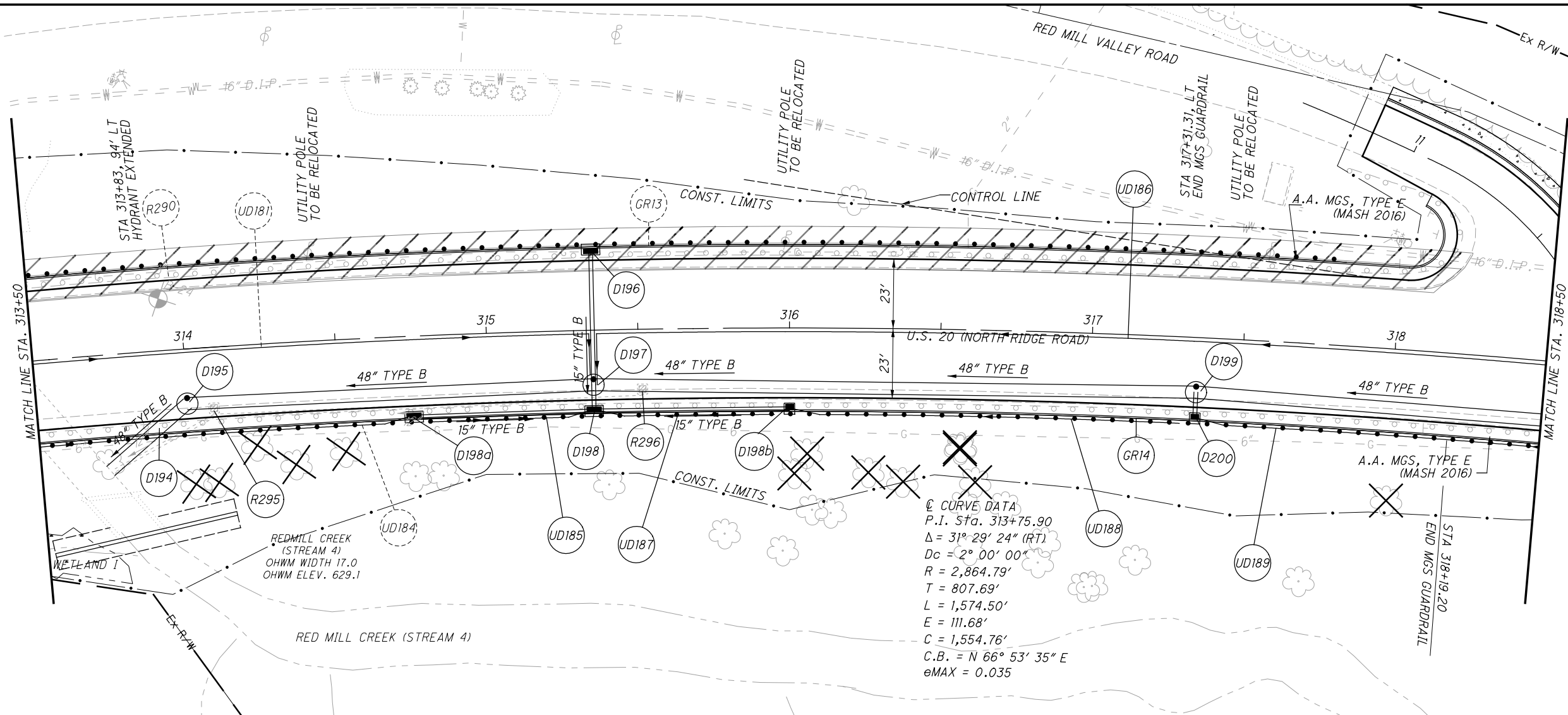
CALCULATED  
 TJS  
 CHECKED  
 JMP

**PLAN AND PROFILE - U.S. 20**  
**STA. 308+50 TO STA. 313+50**

**LAK-US-20-19.59**  
**PART 1**

465  
 1253

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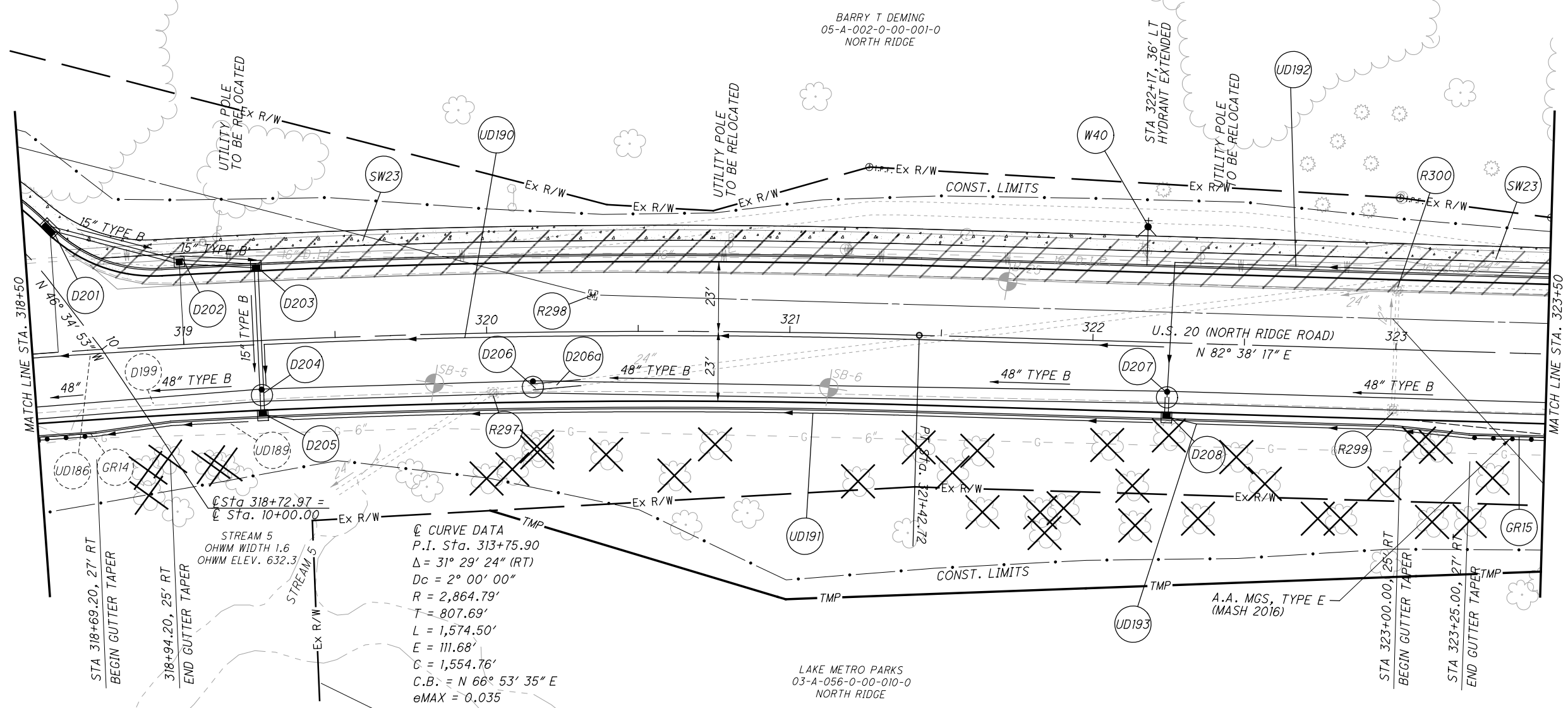


**PLAN AND PROFILE U.S. 20**  
**STA. 313+50 TO STA. 318+50**

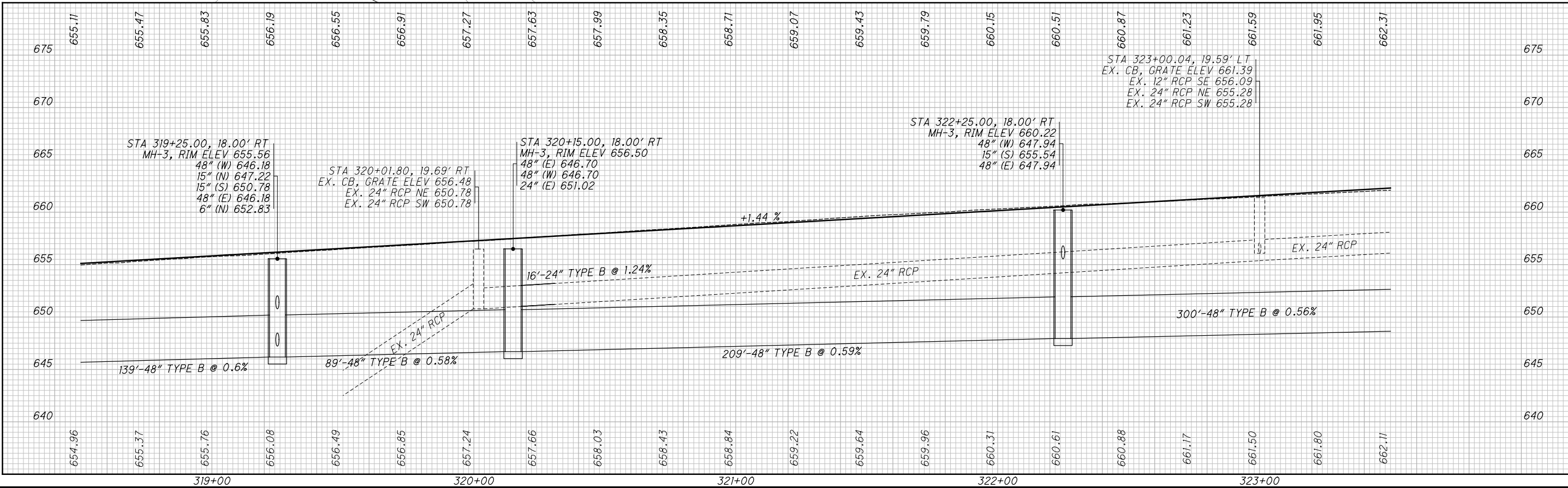
**LAK-US-20-19.59**  
**PART 1**



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CURVE DATA  
 P.I. Sta. 313+75.90  
 $\Delta = 31^\circ 29' 24''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 807.69'$   
 $L = 1,574.50'$   
 $E = 111.68'$   
 $C = 1,554.76'$   
 C.B. = N 66° 53' 35" E  
 $e_{MAX} = -0.035$



CALCULATED  
 TJS  
 CHECKED  
 JMP

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

**PLAN AND PROFILE - U.S. 20**  
**STA. 318+50 TO STA. 323+50**

**LAK-US-20-19.59**  
**PART 1**

467  
 1253

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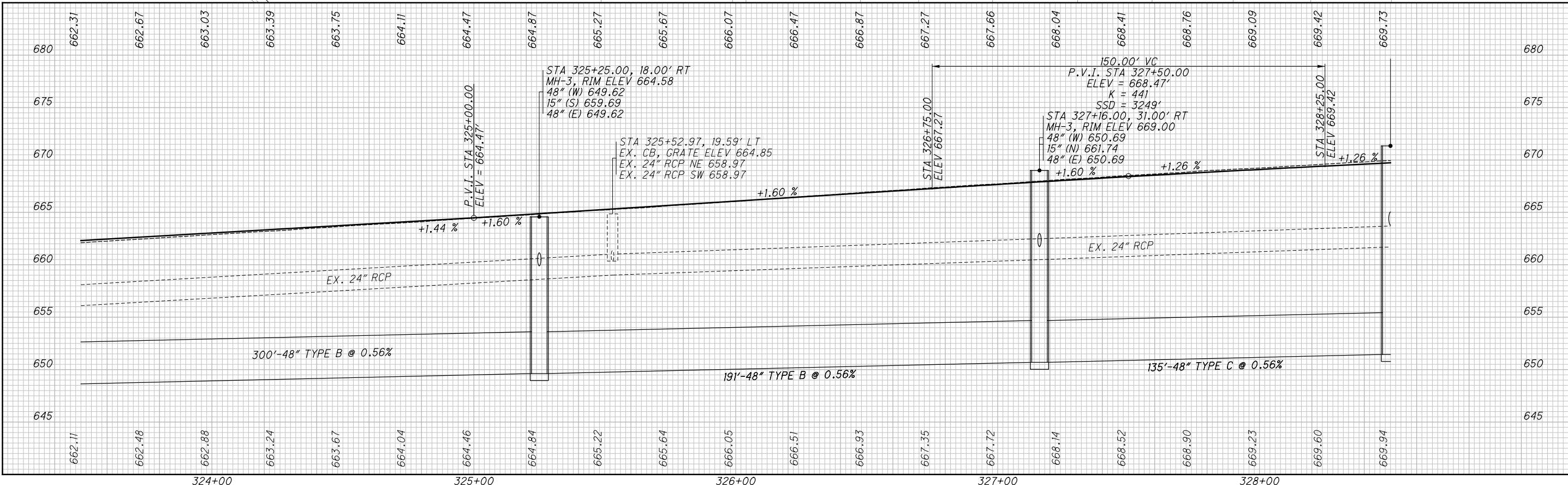
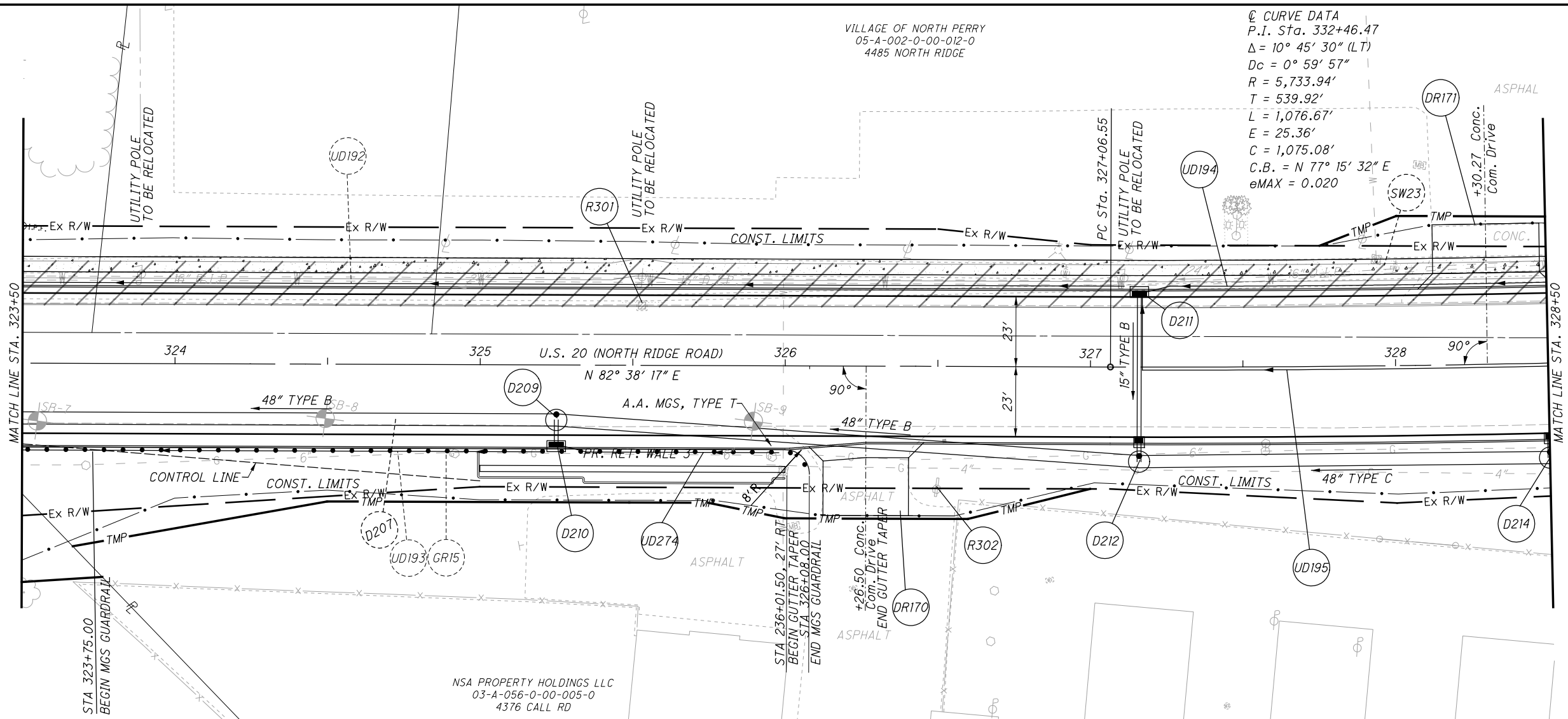

  

  
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 CHECKED: JMP

**PLAN AND PROFILE - U.S. 20**  
**STA. 323+50 TO STA. 328+50**

**LAK-US-20-19.59**  
**PART 1**

@ CURVE DATA  
 P.I. Sta. 332+46.47  
 $\Delta = 10^\circ 45' 30''$  (LT)  
 $Dc = 0^\circ 59' 57''$   
 $R = 5,733.94'$   
 $T = 539.92'$   
 $L = 1,076.67'$   
 $E = 25.36'$   
 $C = 1,075.08'$   
 $C.B. = N 77^\circ 15' 32'' E$   
 $\theta_{MAX} = 0.020$



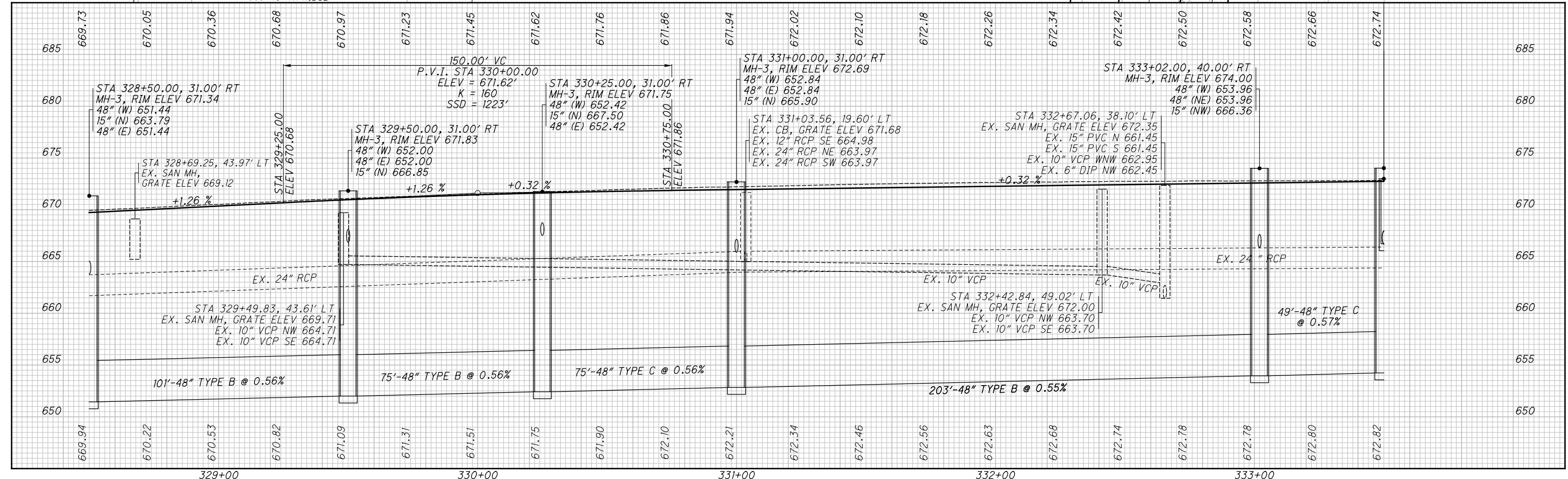
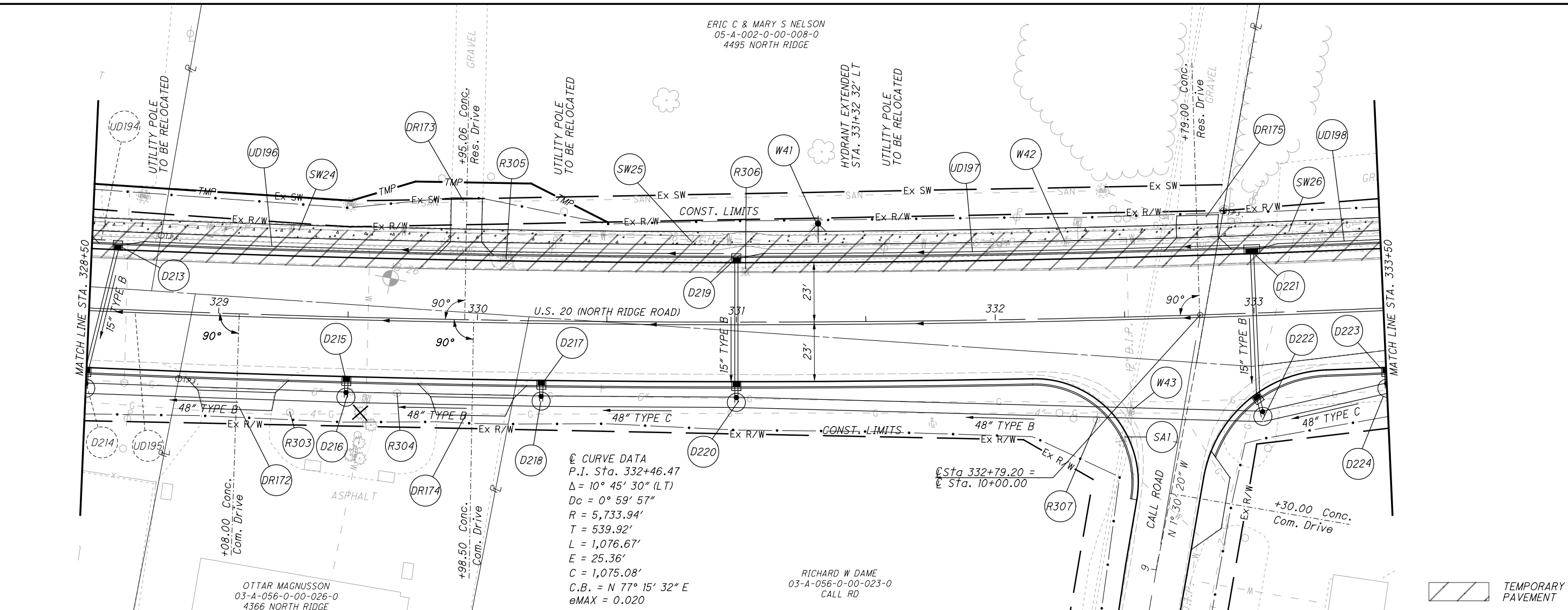
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**PLAN AND PROFILE - U.S. 20  
STA. 328+50 TO STA. 333+50**

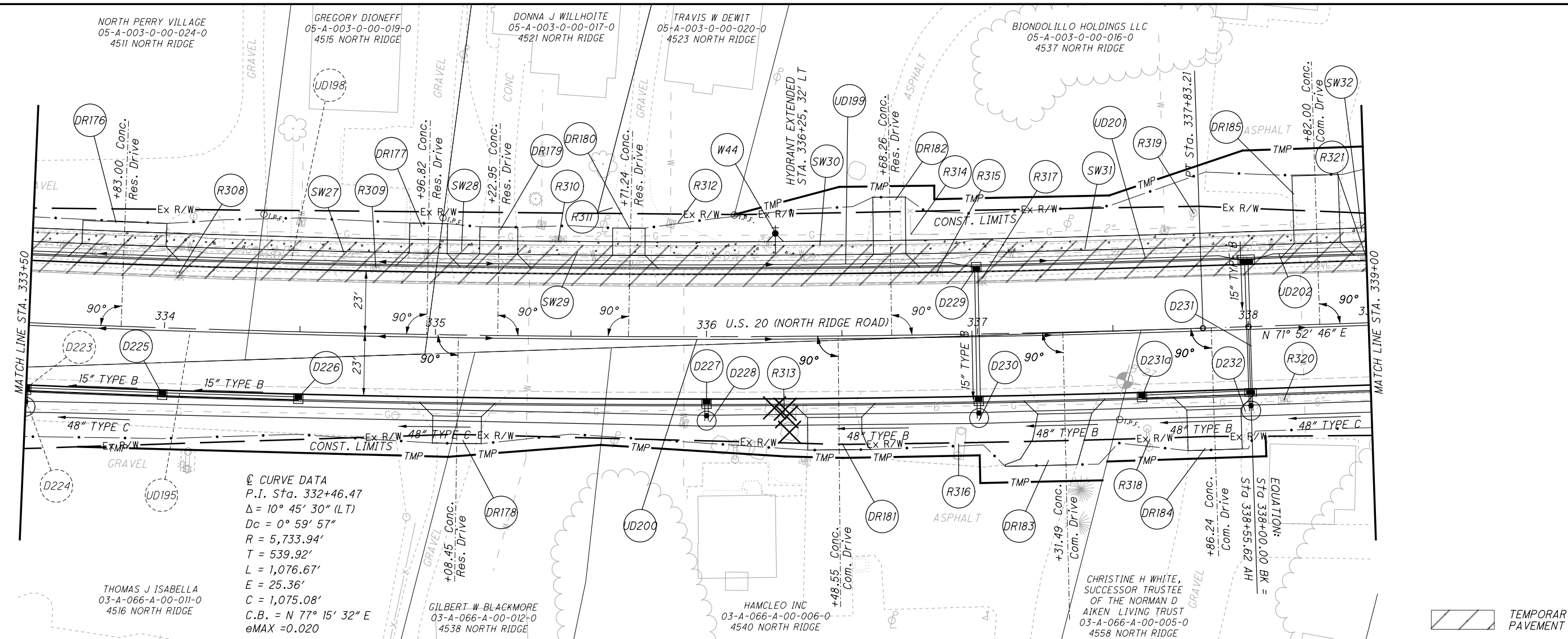
**LAK-US-20-19.59  
PART 1**

469  
1253



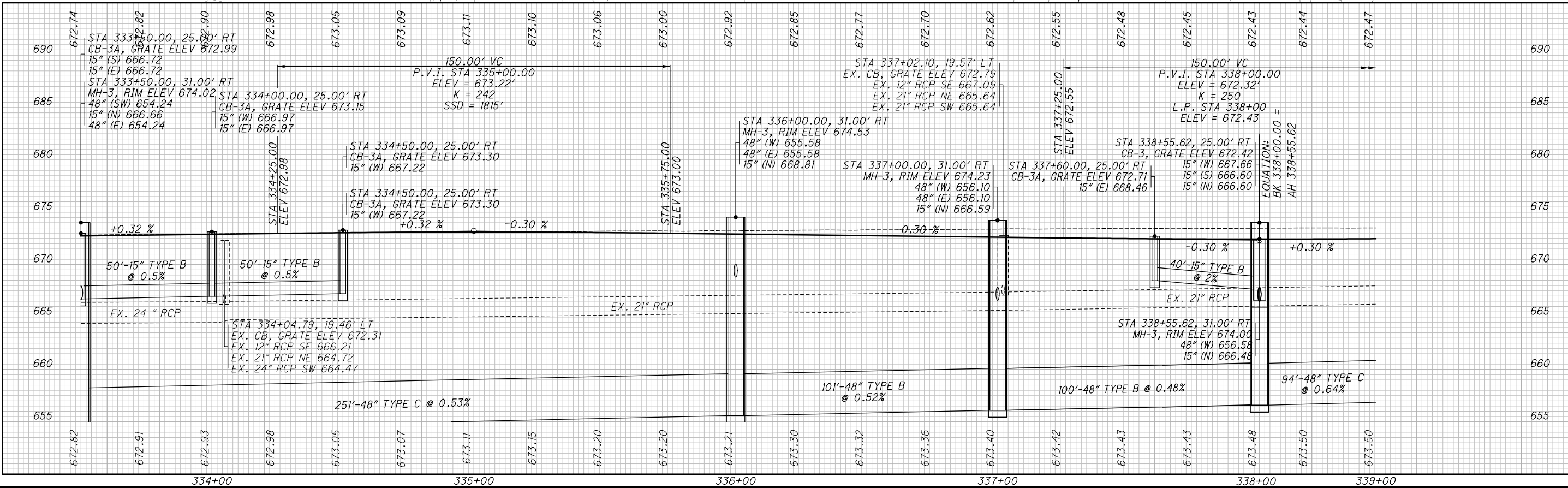


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**Q CURVE DATA**  
 P.I. Sta. 332+46.47  
 $\Delta = 10^\circ 45' 30''$  (LT)  
 $D_c = 0^\circ 59' 57''$   
 $R = 5,733.94'$   
 $T = 539.92'$   
 $L = 1,076.67'$   
 $E = 25.36'$   
 $C = 1,075.08'$   
 $C.B. = N 77^\circ 15' 32'' E$   
 $e_{MAX} = 0.020$

TEMPORARY PAVEMENT



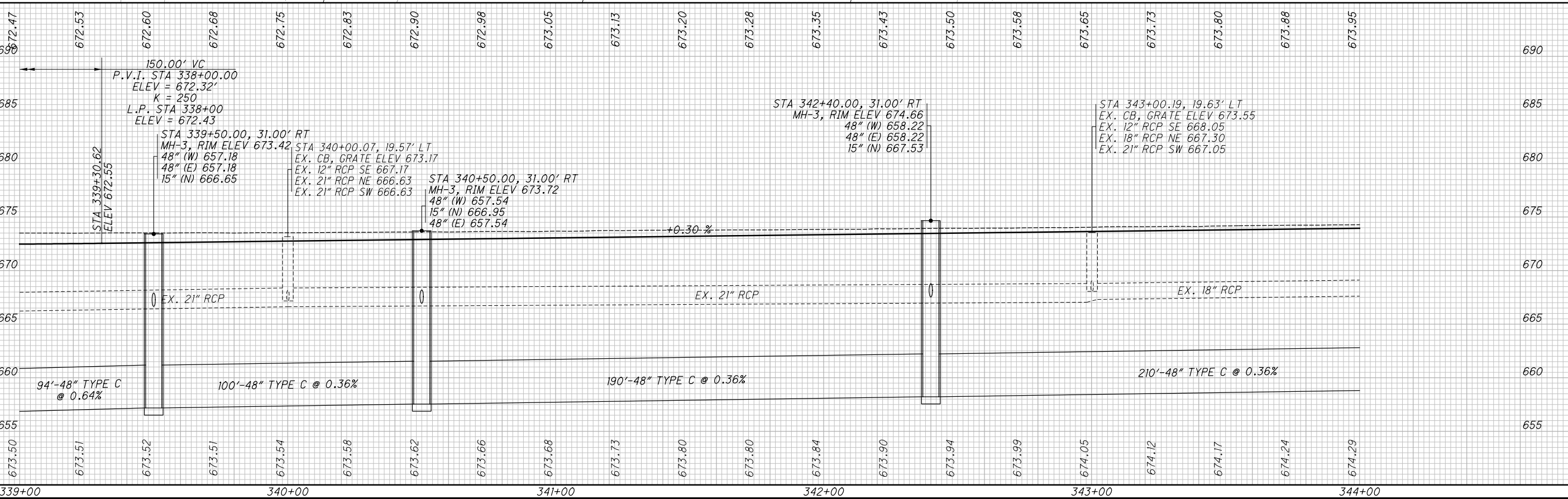
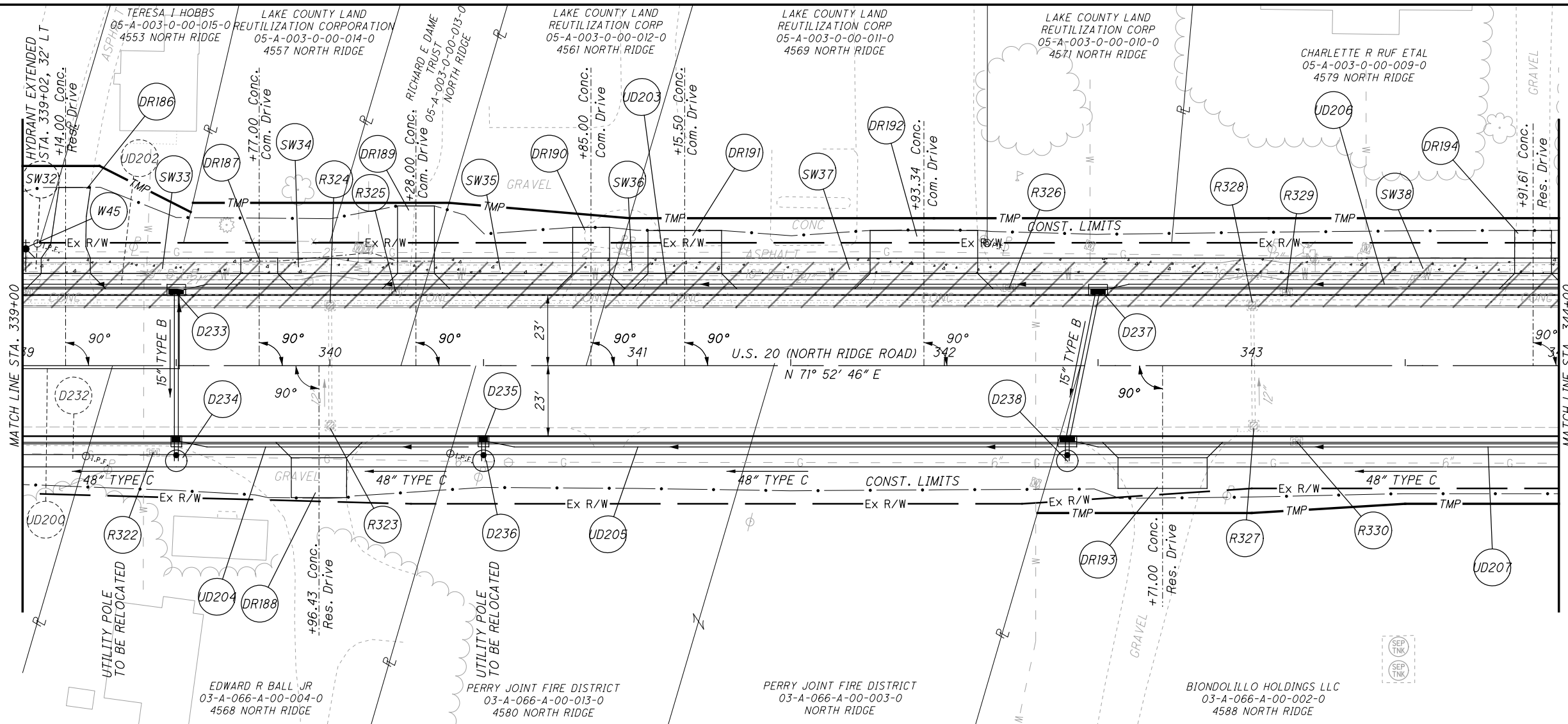
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**PLAN AND PROFILE - U.S. 20**  
**STA. 333+50 TO STA. 339+00**

**LAK-US-20-19.59**  
**PART 1**

470  
 1253

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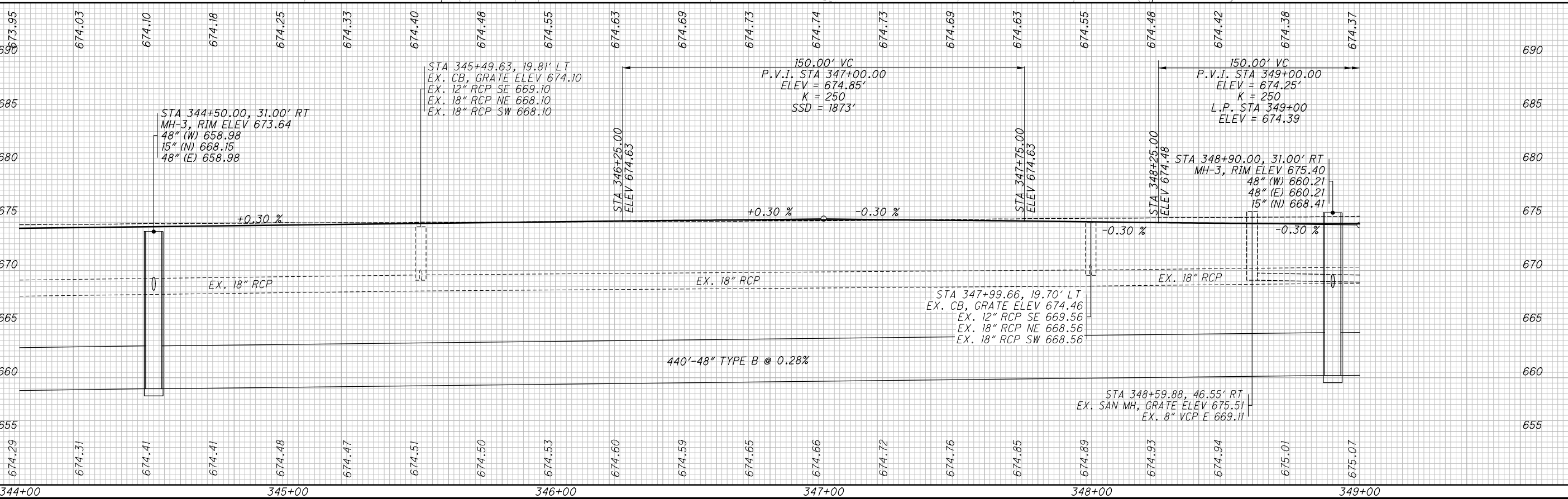
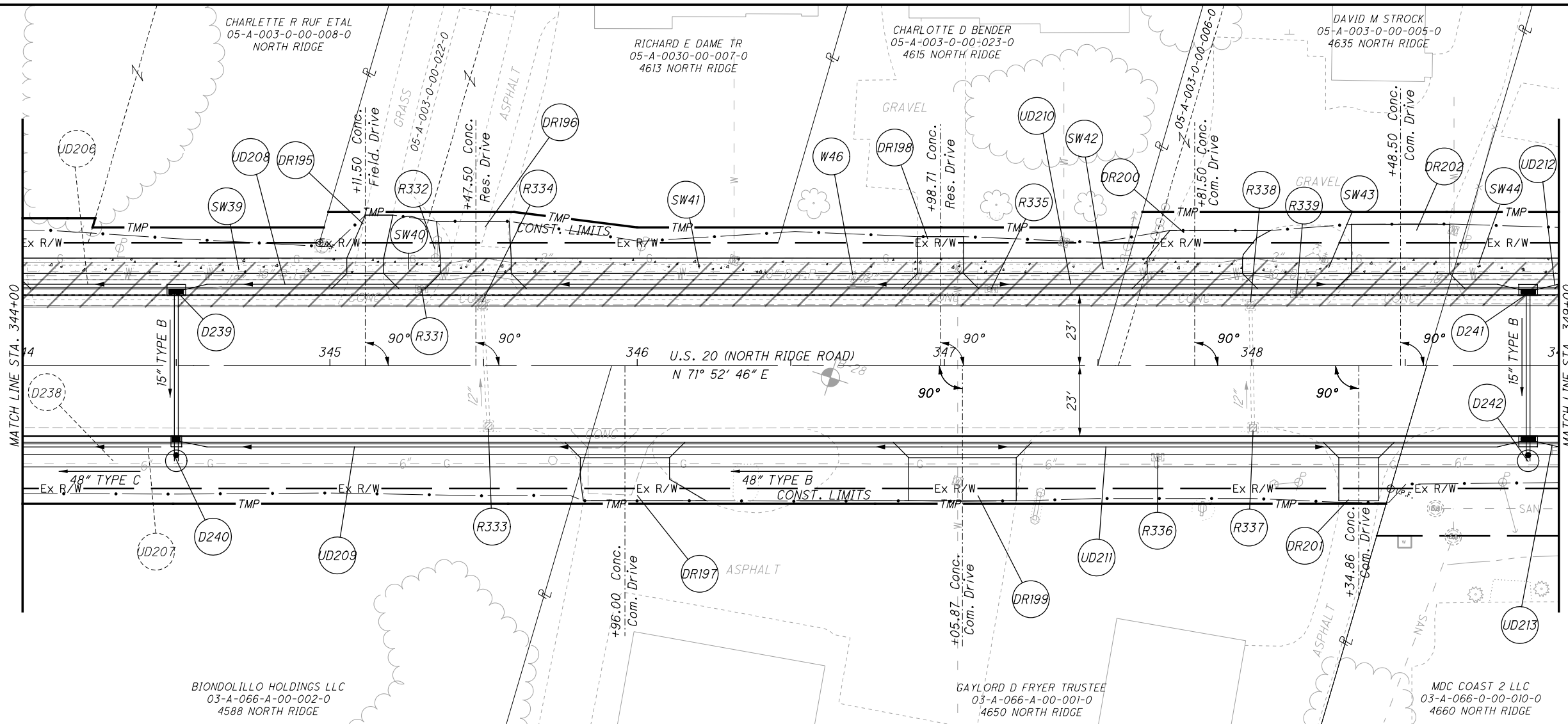


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T.L.S.  
CHECKED  
J.M.P.

**PLAN AND PROFILE - U.S. 20  
STA. 339+00 TO STA. 344+00**

**LAK-US-20-19.59  
PART 1**

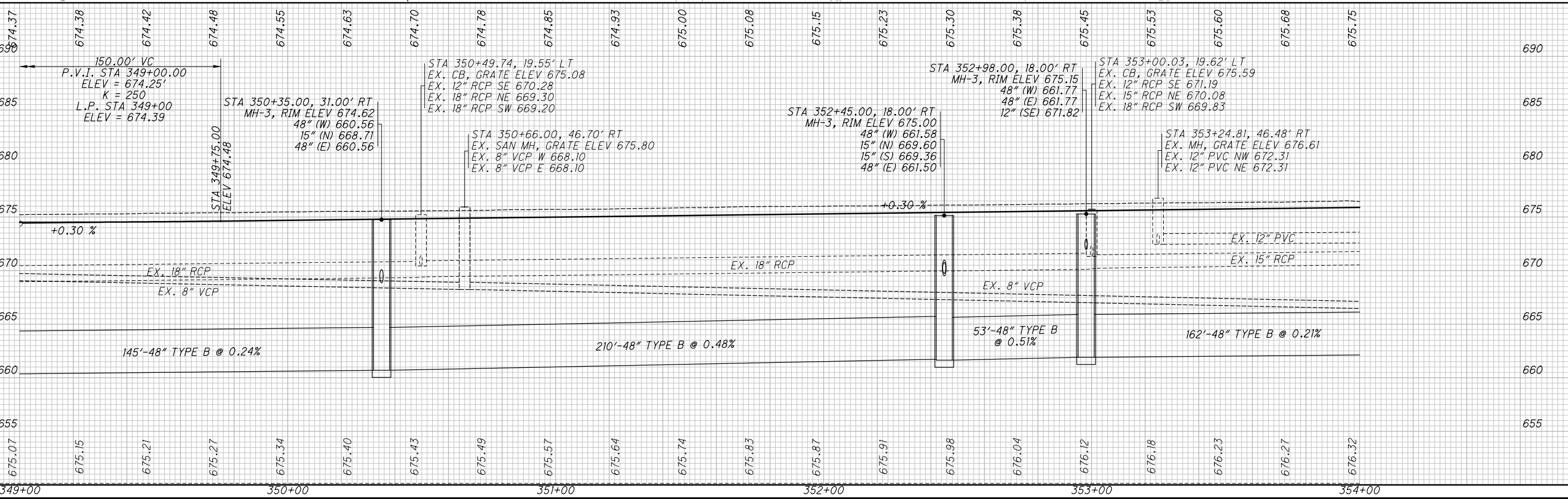
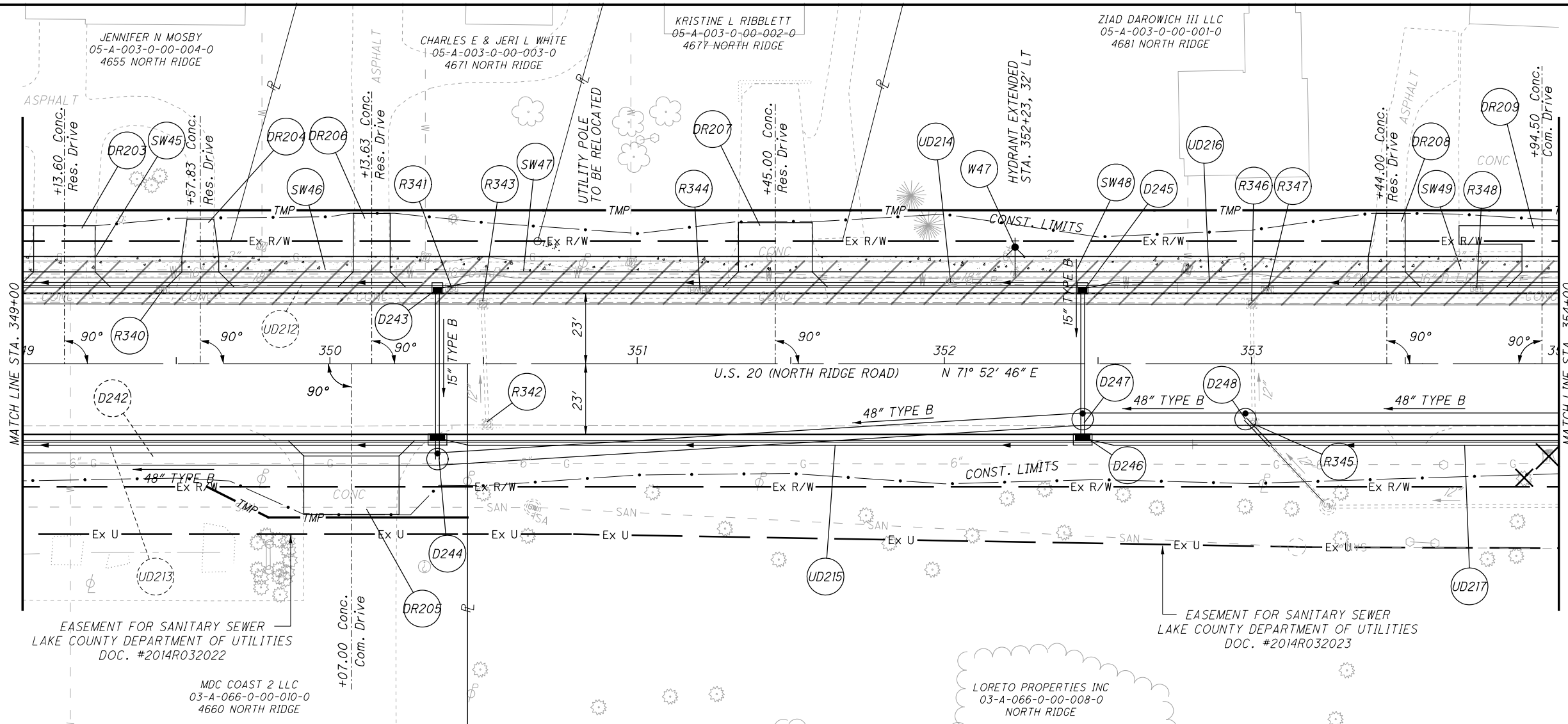
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CALCULATED  
TJS  
CHECKED  
JMP

**PLAN AND PROFILE - U.S. 20  
STA. 344+00 TO STA. 349+00**

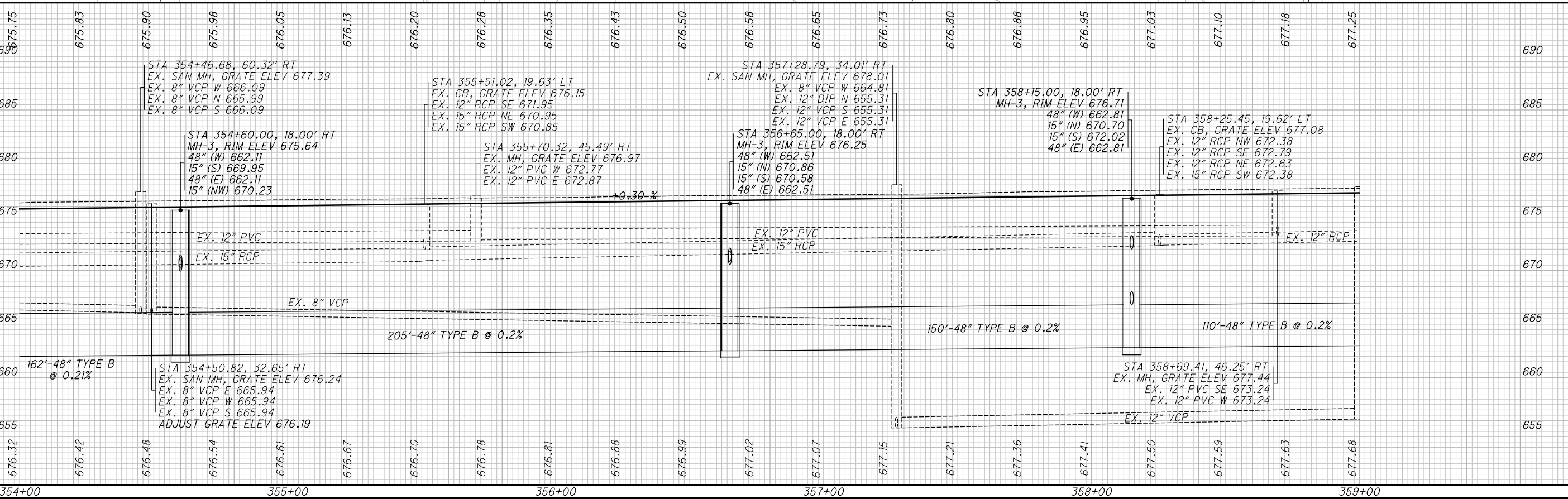
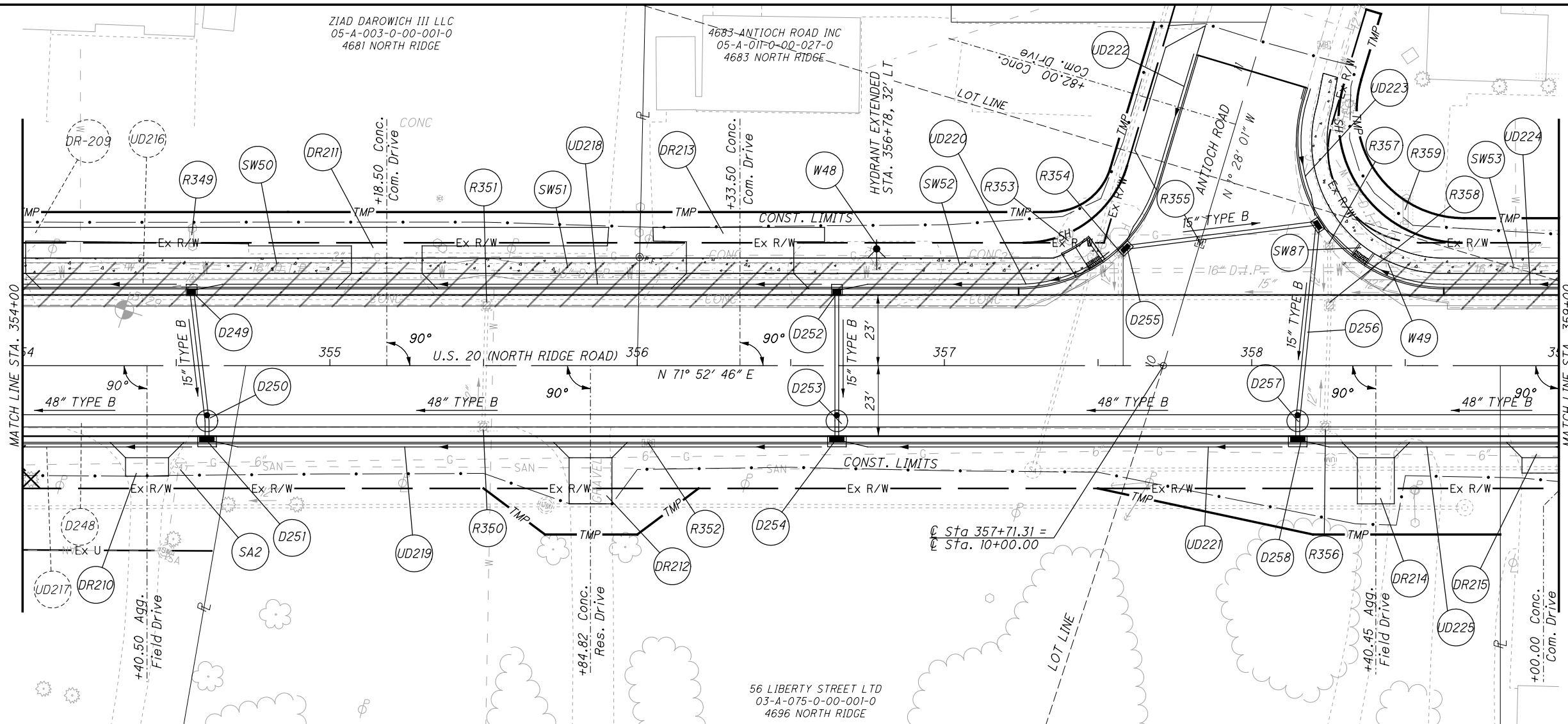
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**PLAN AND PROFILE - U.S. 20  
STA. 349+00 TO STA. 354+00**

**LAK-US-20-19.59  
PART 1**

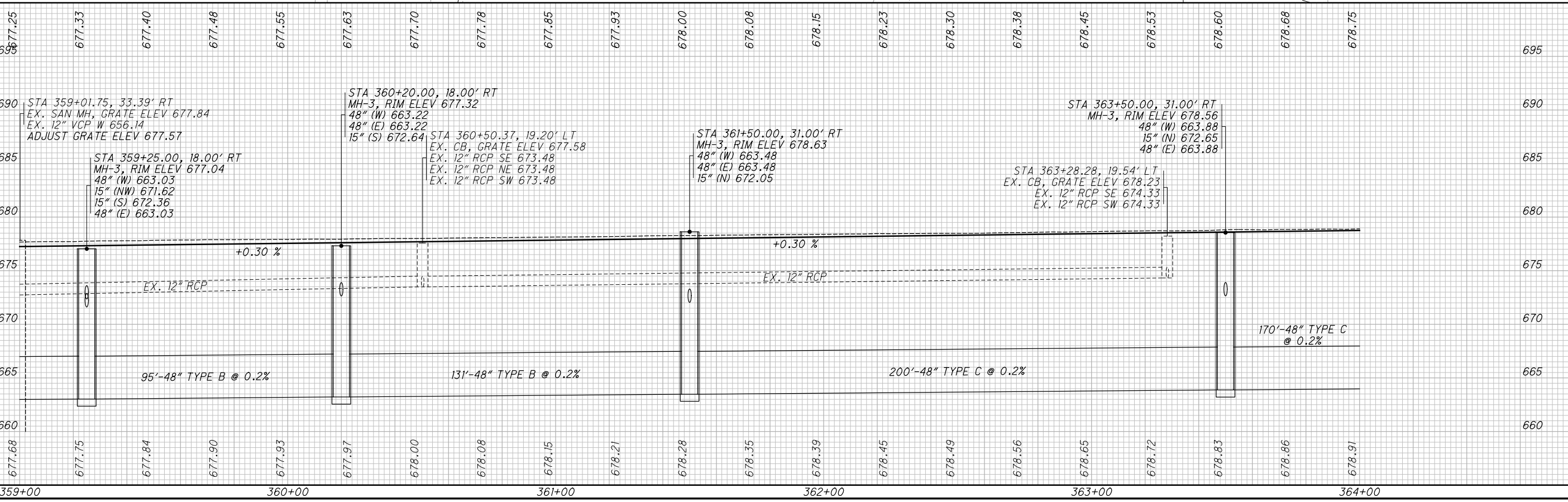
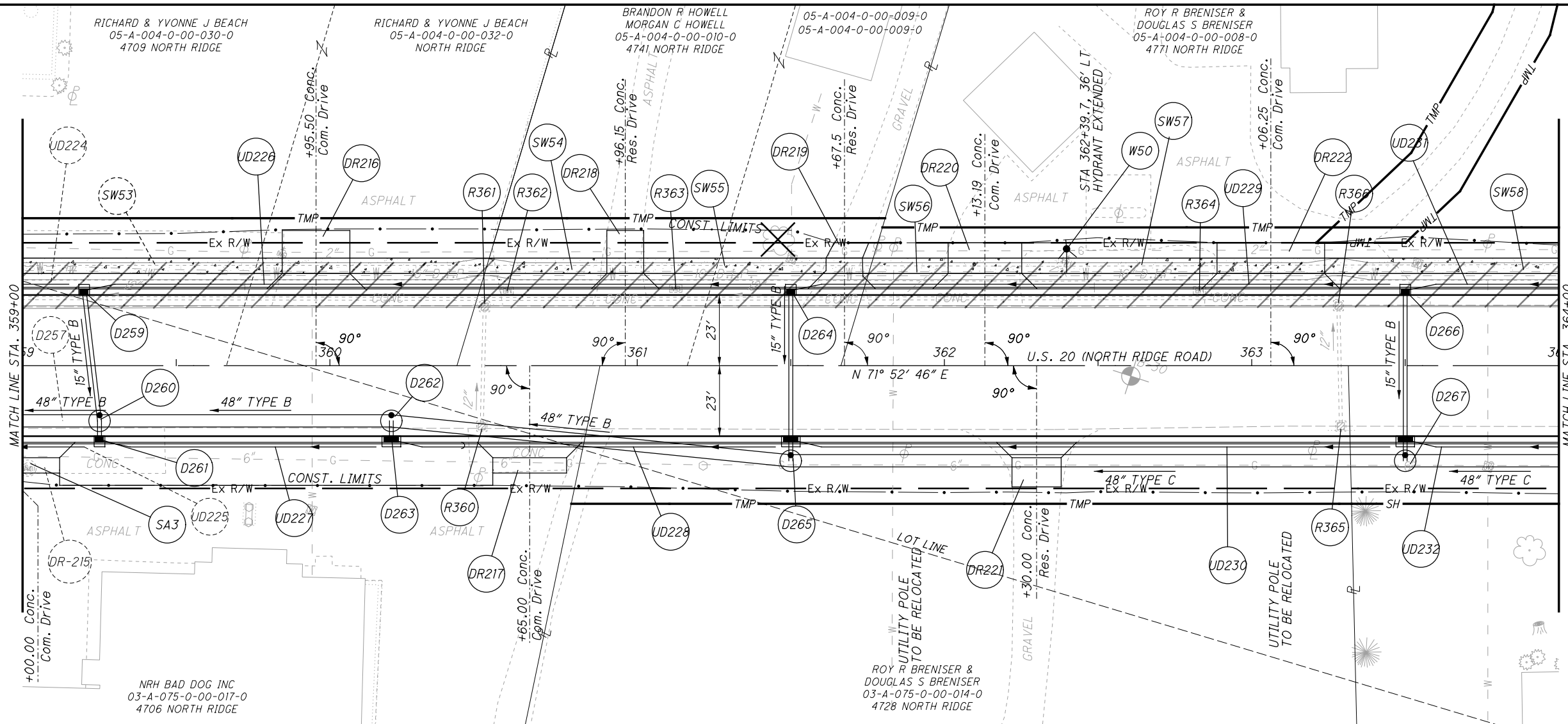
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**PLAN AND PROFILE - U.S. 20  
STA. 354+00 TO STA. 359+00**

**LAK-US-20-19.59  
PART 1**

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CALCULATED  
TJS  
CHECKED  
JMP

0 20 40  
HORIZONTAL  
SCALE IN FEET

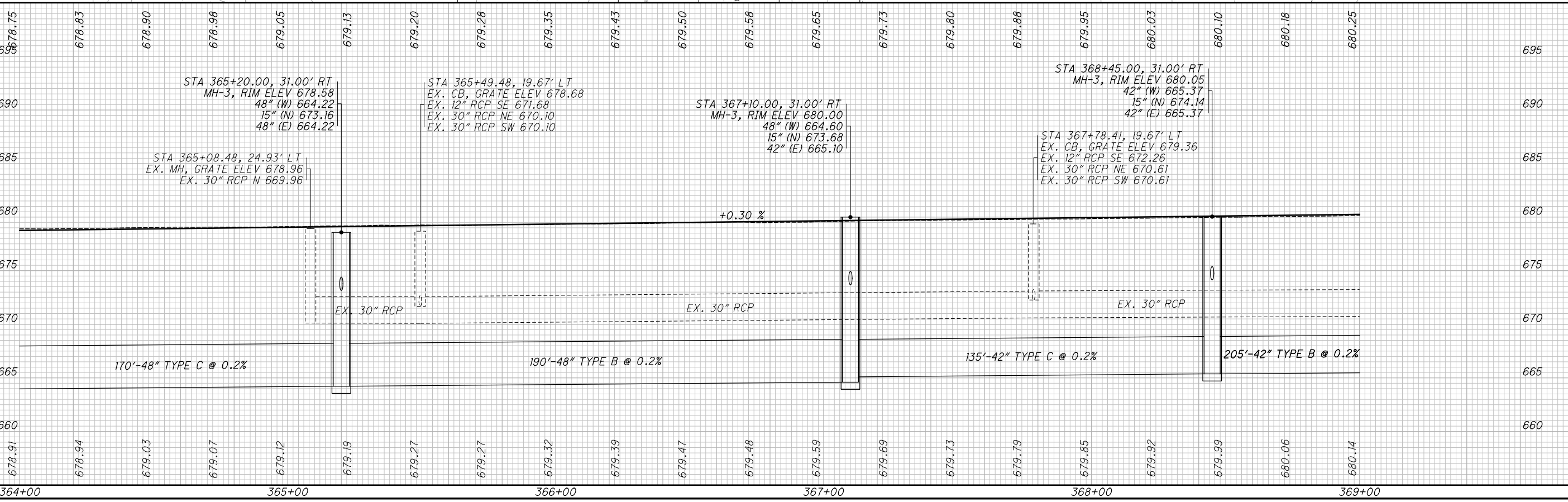
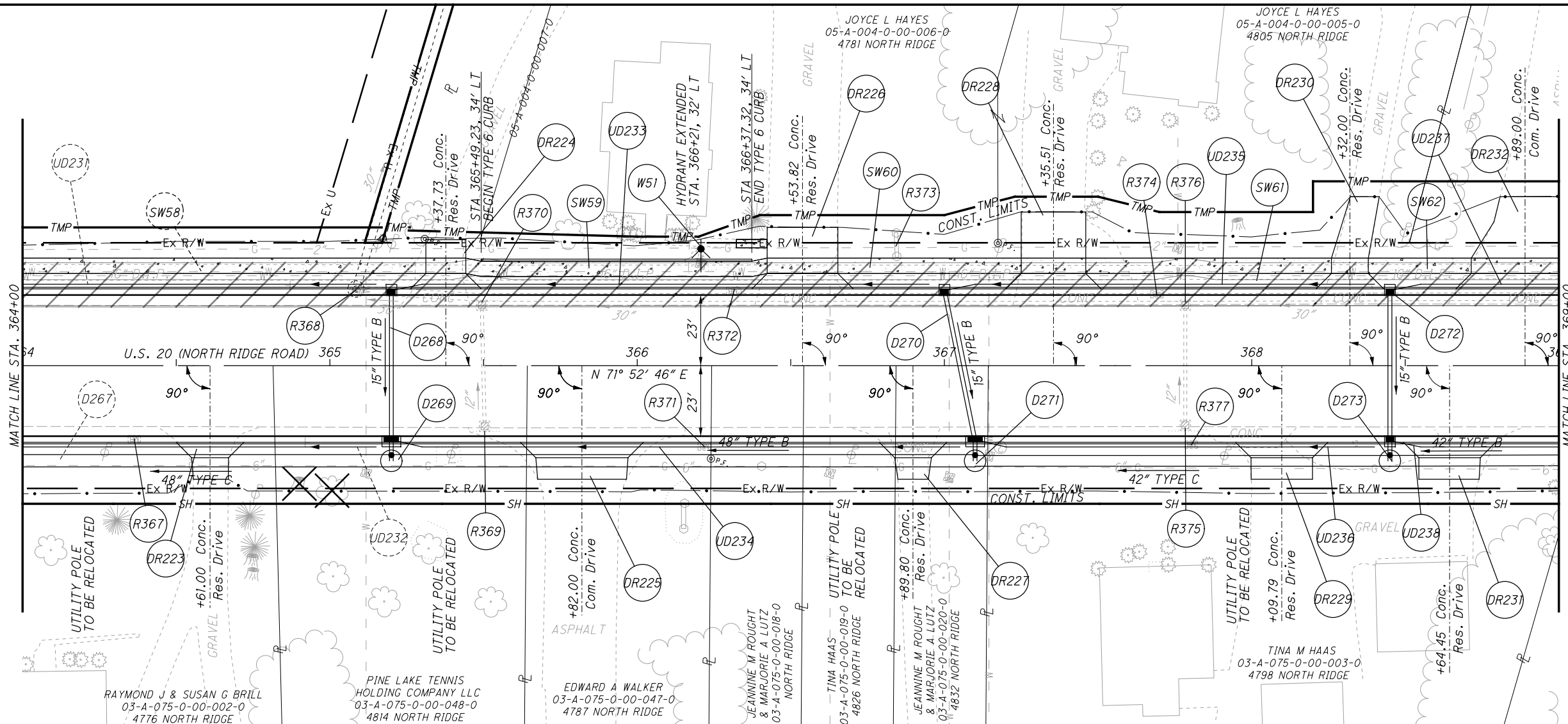
**PLAN AND PROFILE - U.S. 20**  
**STA. 359+00 TO STA. 364+00**

**LAK-US-20-19.59**  
**PART 1**

475  
1253



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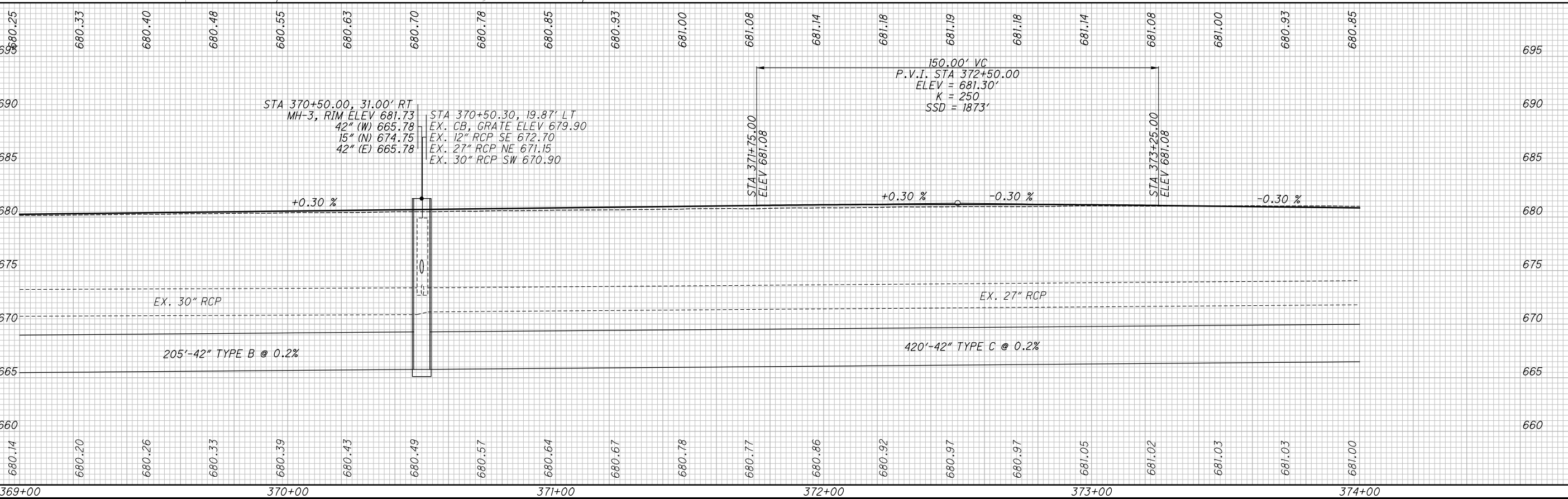
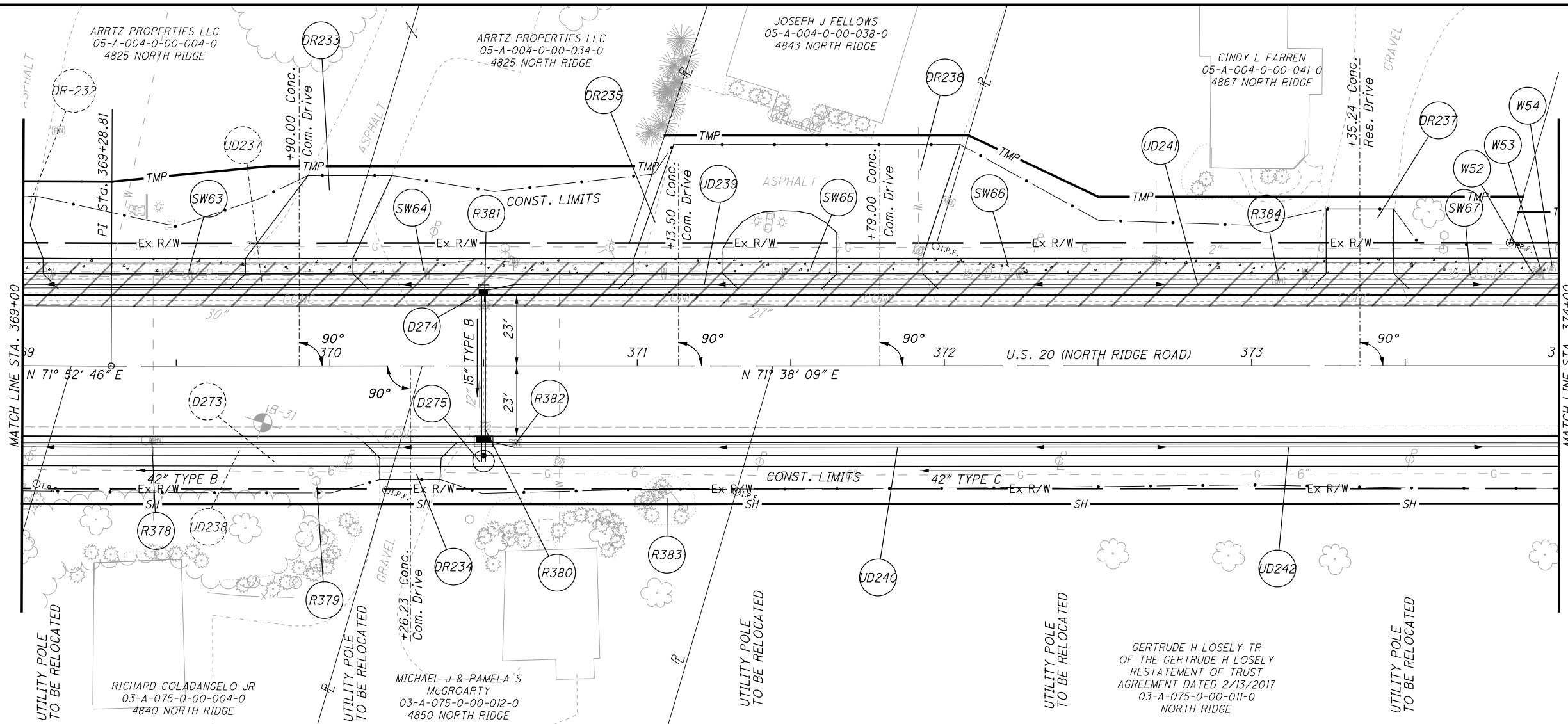


**PLAN AND PROFILE - U.S. 20  
STA. 364+00 TO STA. 369+00**

**LAK-US-20-19.59  
PART 1**

476  
1253

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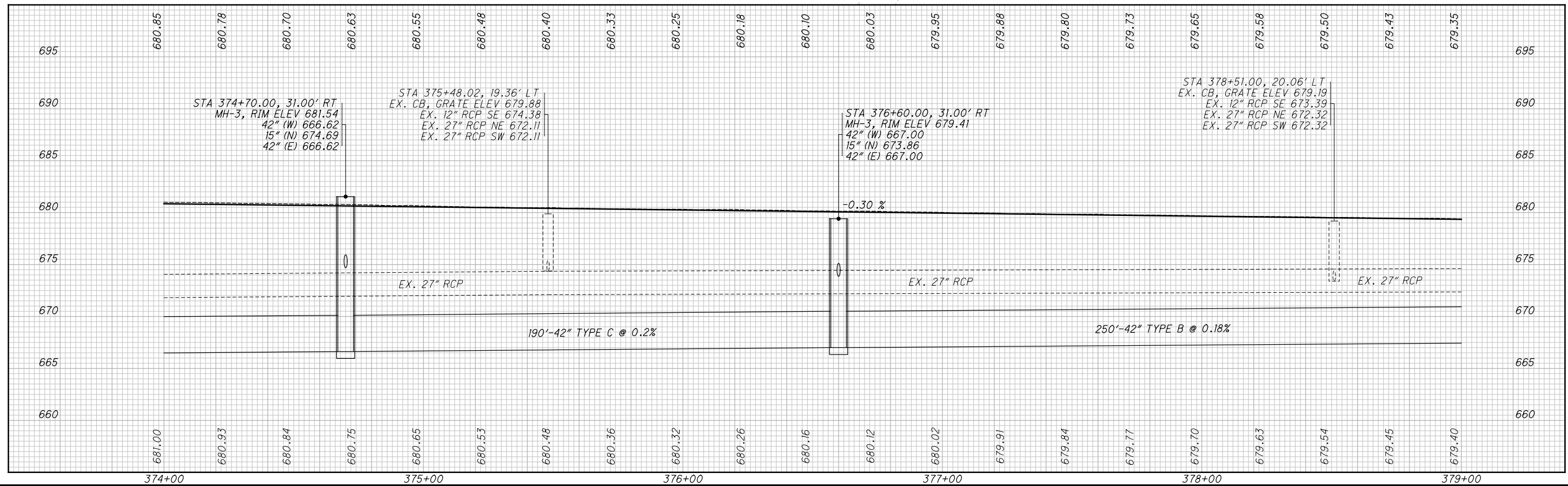
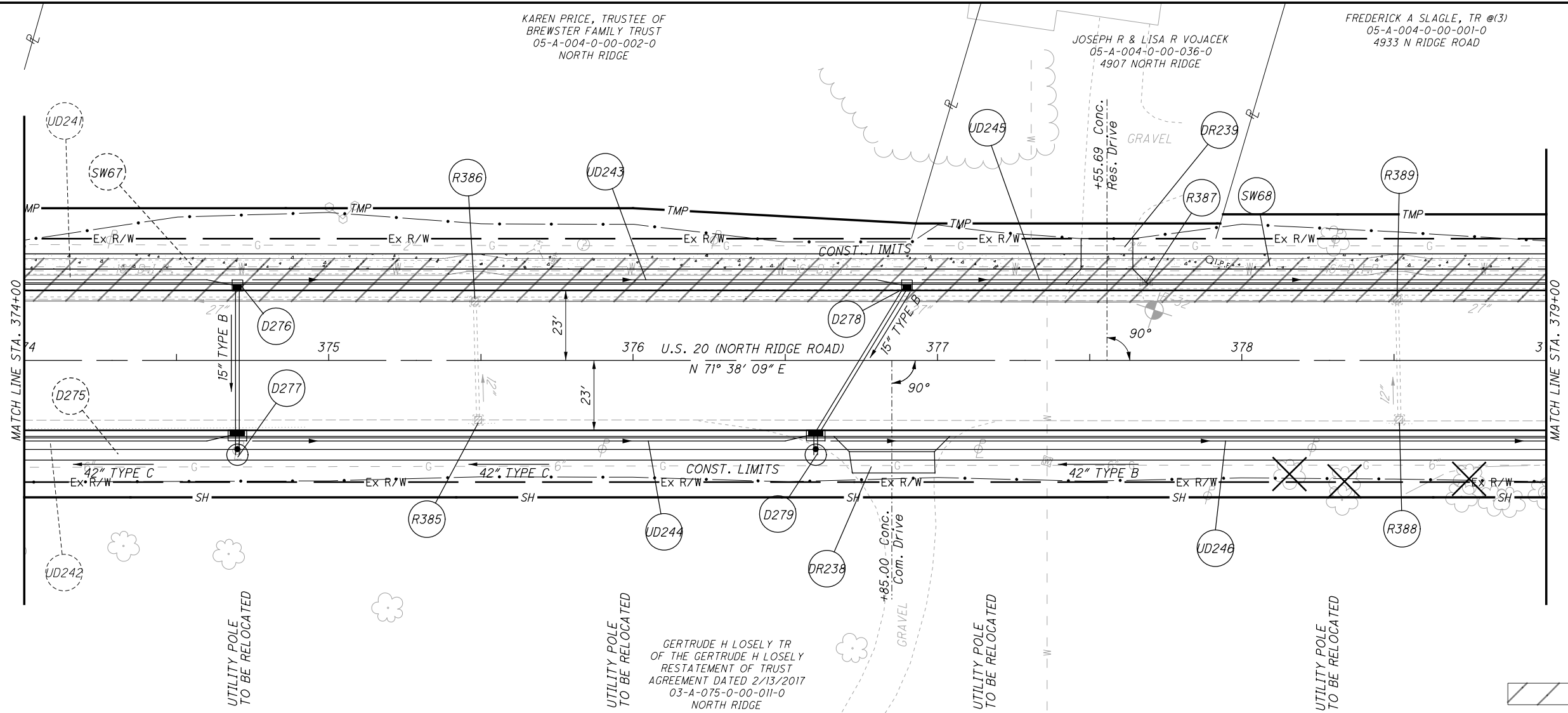
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**PLAN AND PROFILE - U.S. 20  
STA. 369+00 TO STA. 374+00**

**LAK-US-20-19.59  
PART 1**



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CALCULATED TJS  
CHECKED JMP

**PLAN AND PROFILE - U.S. 20  
STA. 374+00 TO STA. 379+00**

**LAK-US-20-19.59  
PART 1**

478  
1253

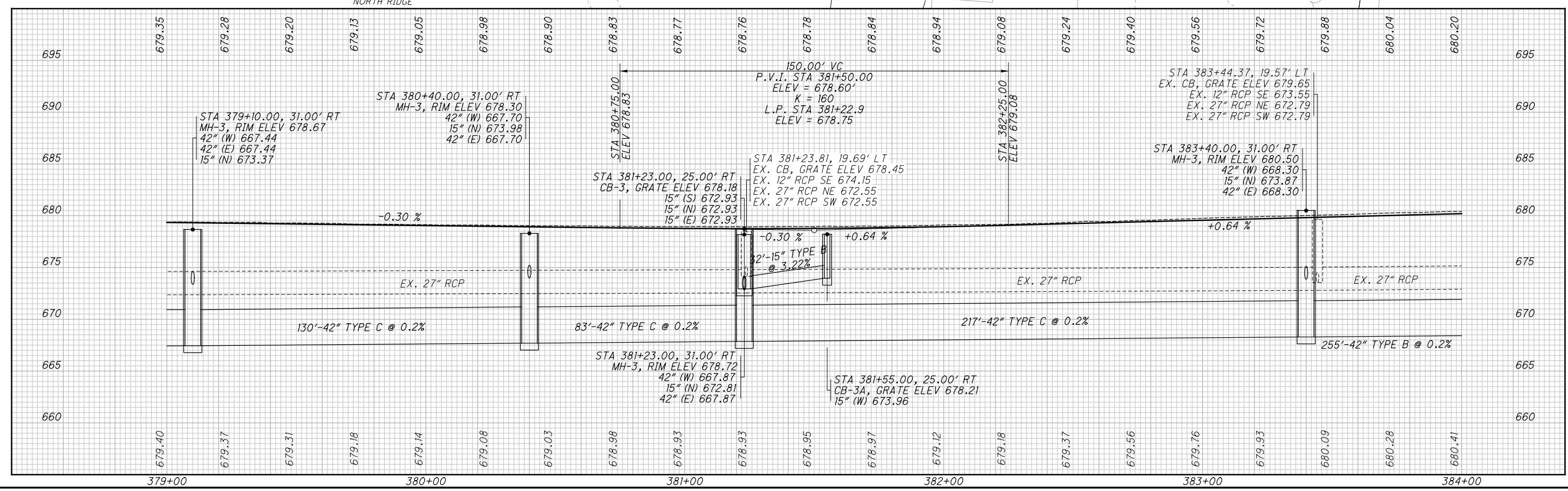
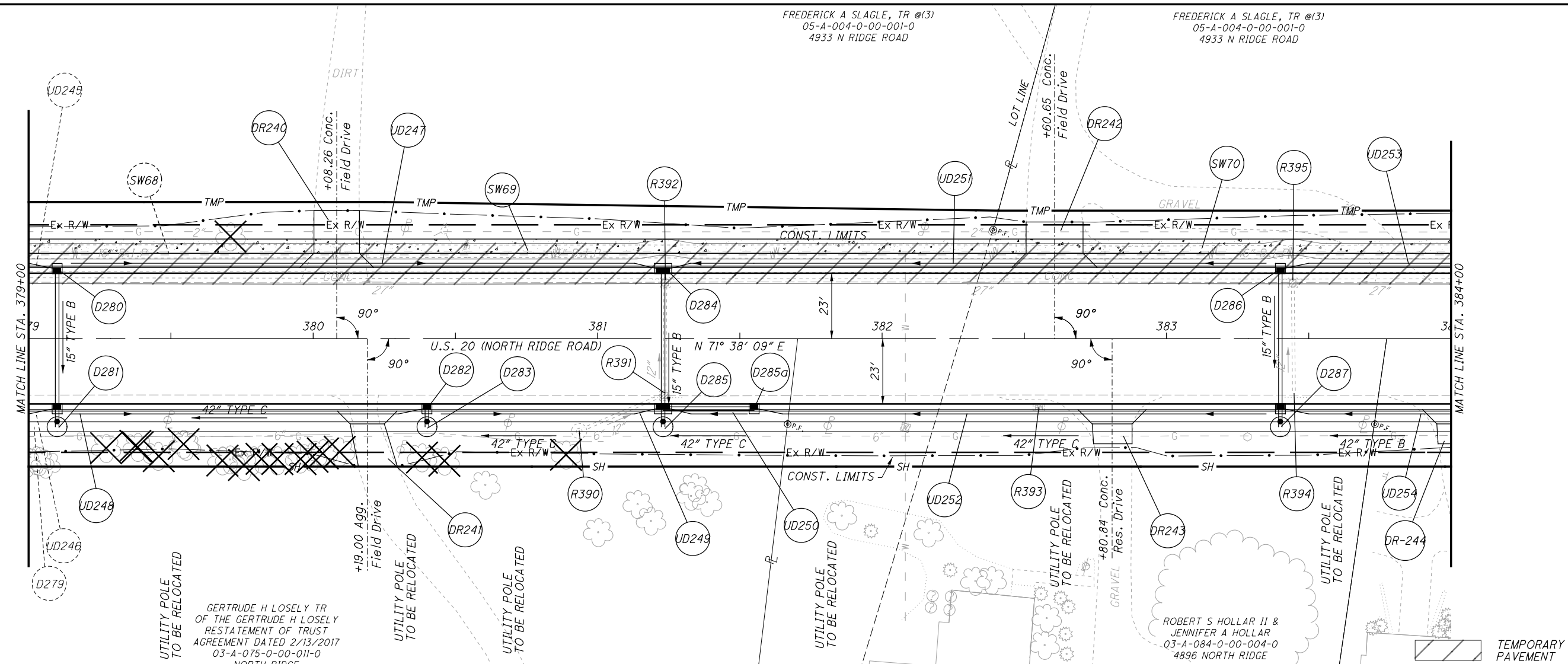
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FREDERICK A SLAGLE, TR @ (3)  
05-A-004-0-00-001-0  
4933 N RIDGE ROAD

FREDERICK A SLAGLE, TR @ (3)  
05-A-004-0-00-001-0  
4933 N RIDGE ROAD

CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

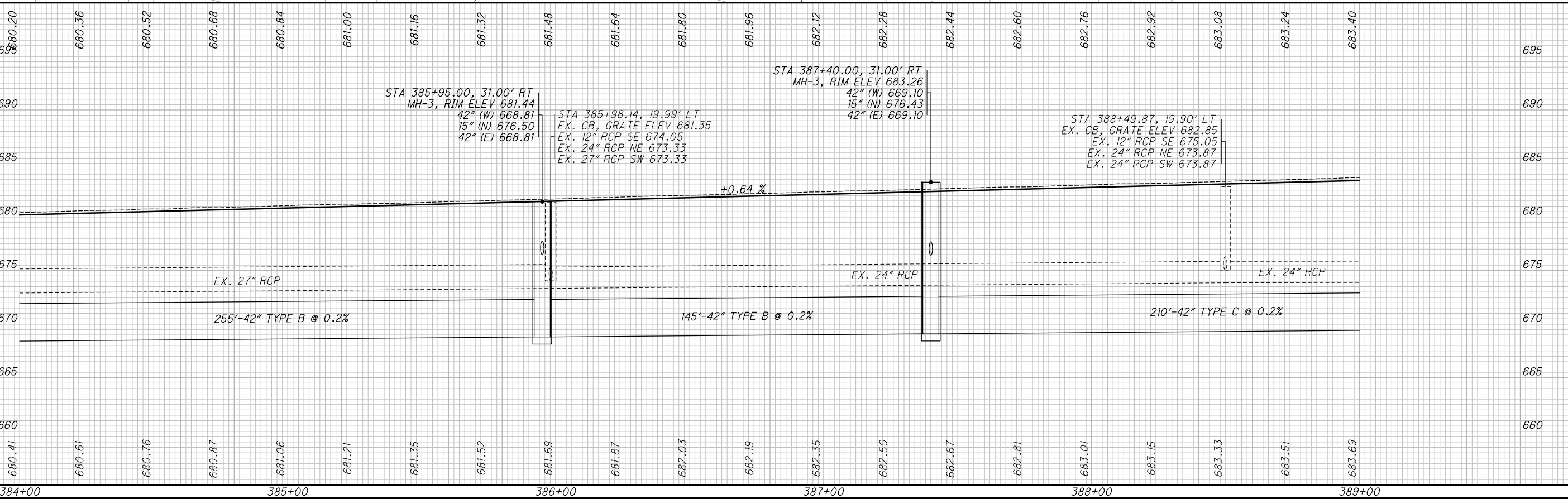
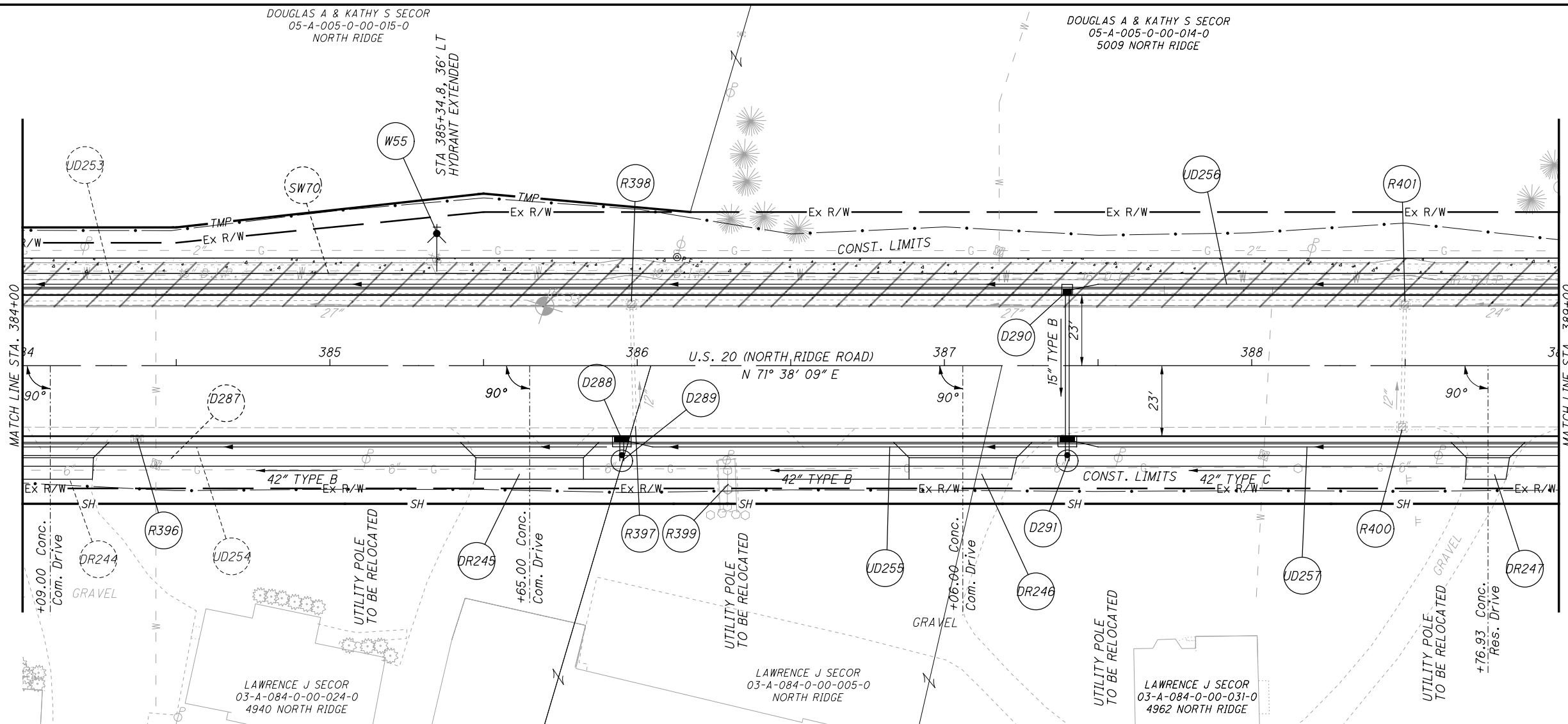
0 10 20 40  
HORIZONTAL  
SCALE IN FEET



**PLAN AND PROFILE - U.S. 20**  
**STA. 379+00 TO STA. 384+00**

**LAK-US-20-19.59**  
**PART 1**

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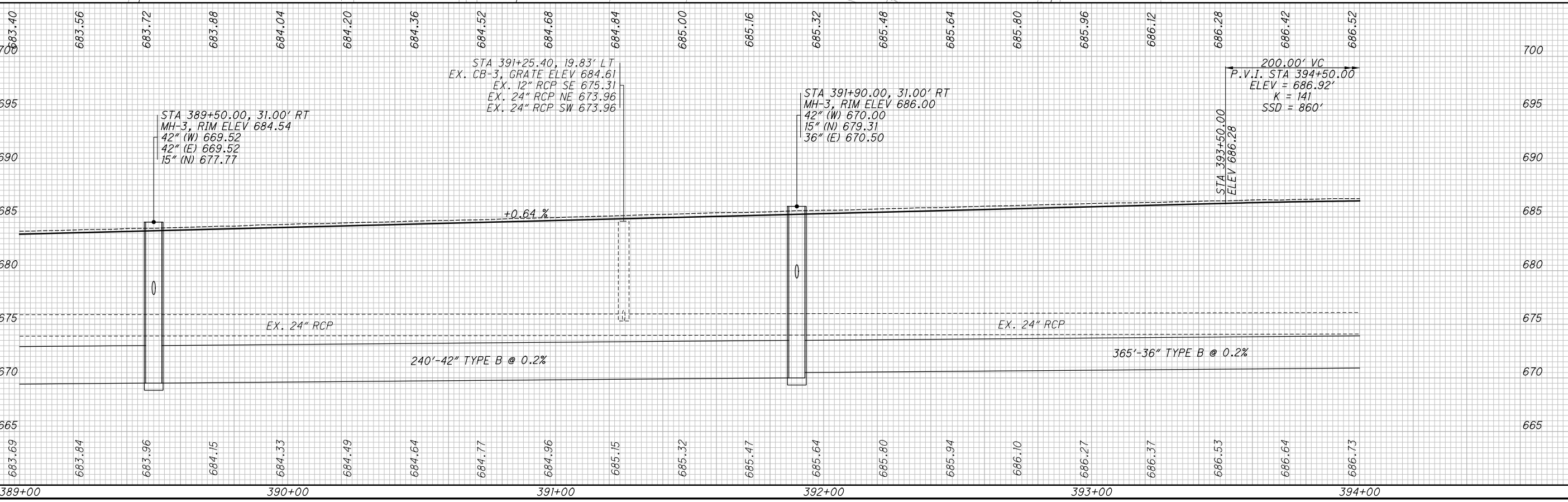
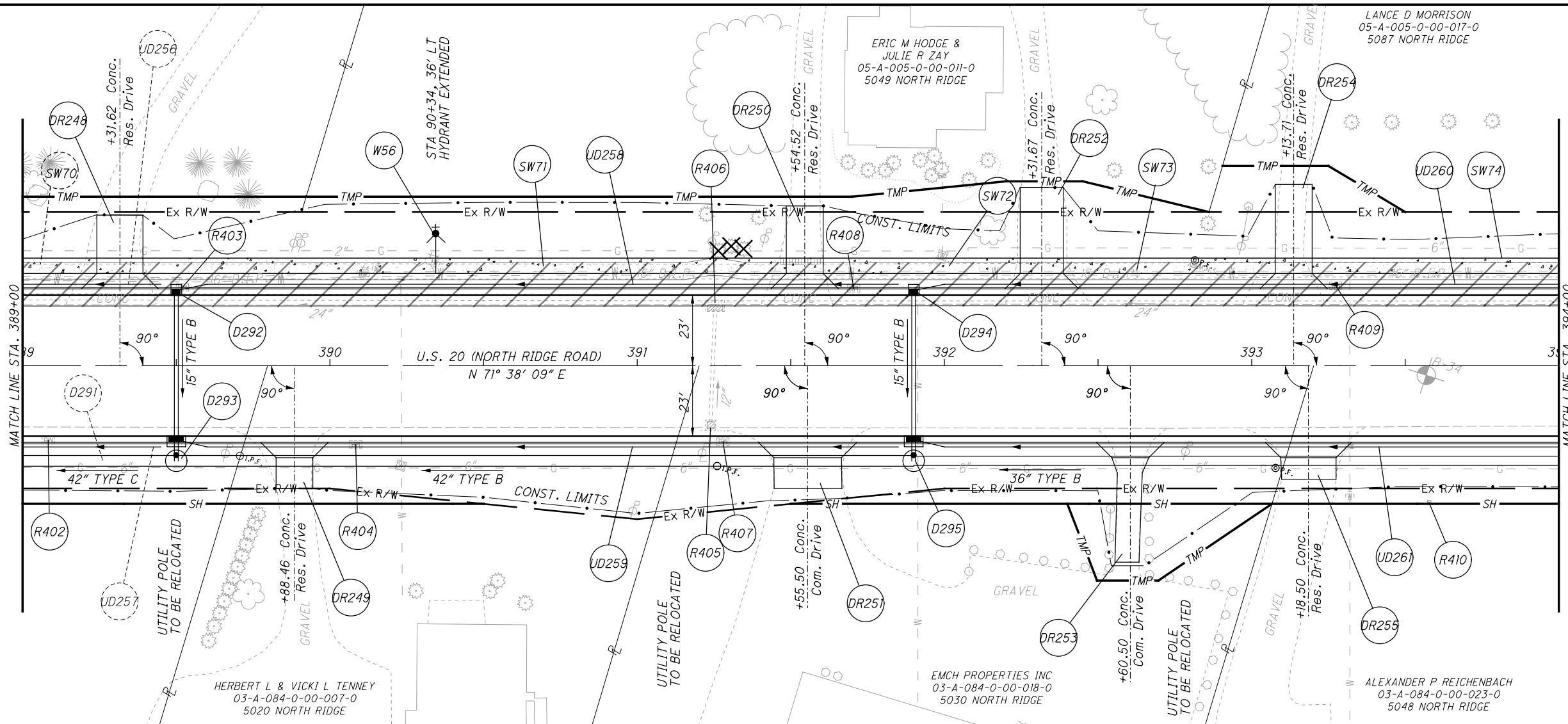
CALCULATED TJS  
 CHECKED JMP

**PLAN AND PROFILE - U.S. 20**  
**STA. 384+00 TO STA. 389+00**

**LAK-US-20-19.59**  
**PART 1**

480  
 1253

H:\2018\80743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP057.dgn Sheet 7/15/2022 3:16:32 PM troyer




  
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 CHECKED: JMP

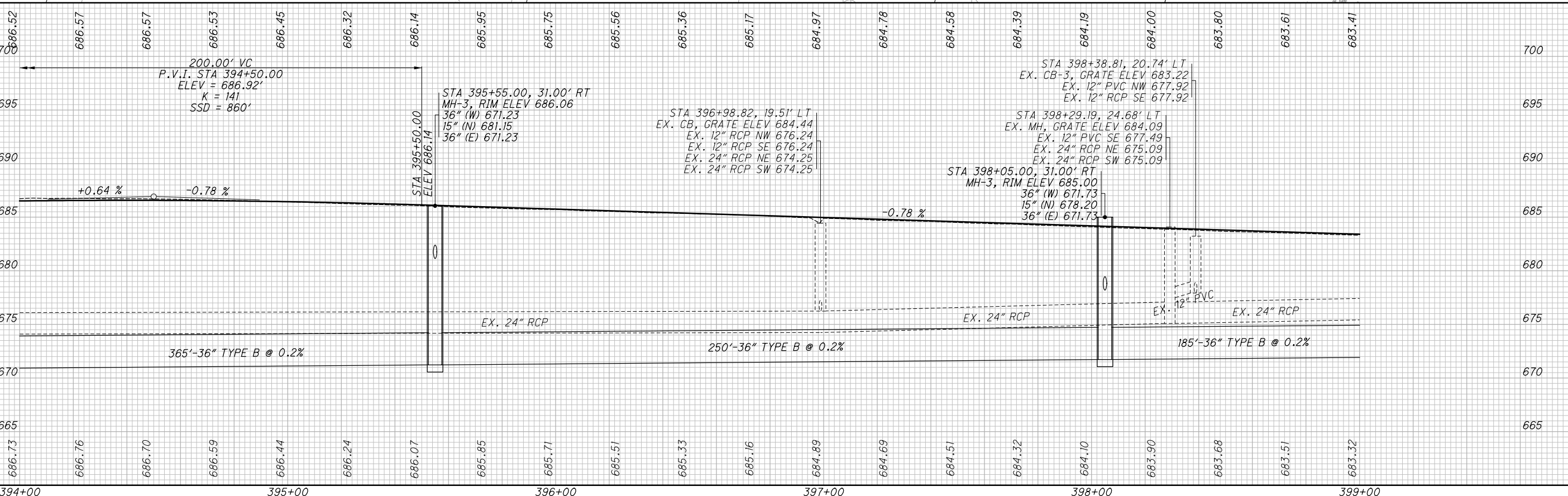
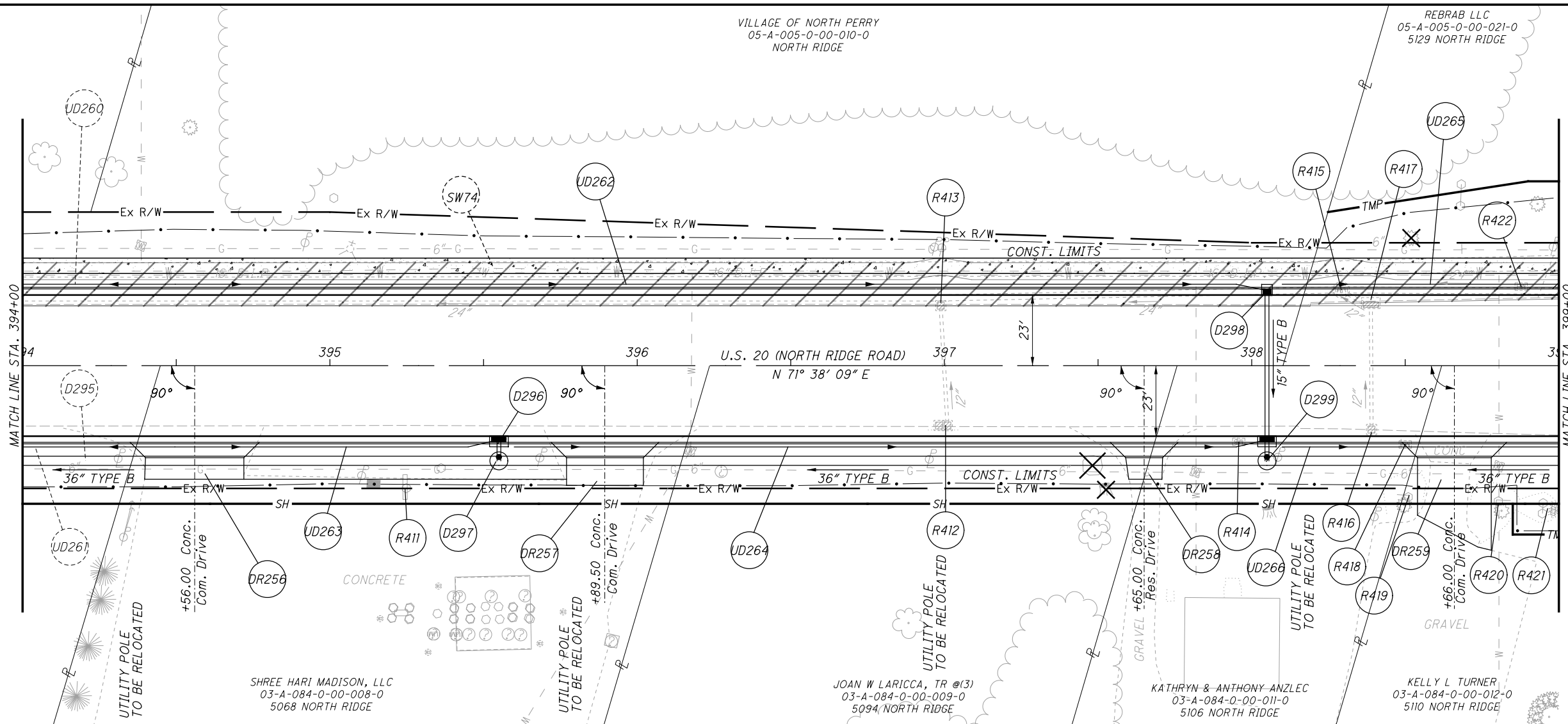
**PLAN AND PROFILE - U.S. 20**  
**STA. 389+00 TO STA. 394+00**

**LAK-US-20-19.59**  
**PART 1**

481  
 1253

VILLAGE OF NORTH PERRY  
05-A-005-0-00-010-0  
NORTH RIDGE

REBRAB LLC  
05-A-005-0-00-021-0  
5129 NORTH RIDGE



CALCULATED  
TJS  
CHECKED  
JMP

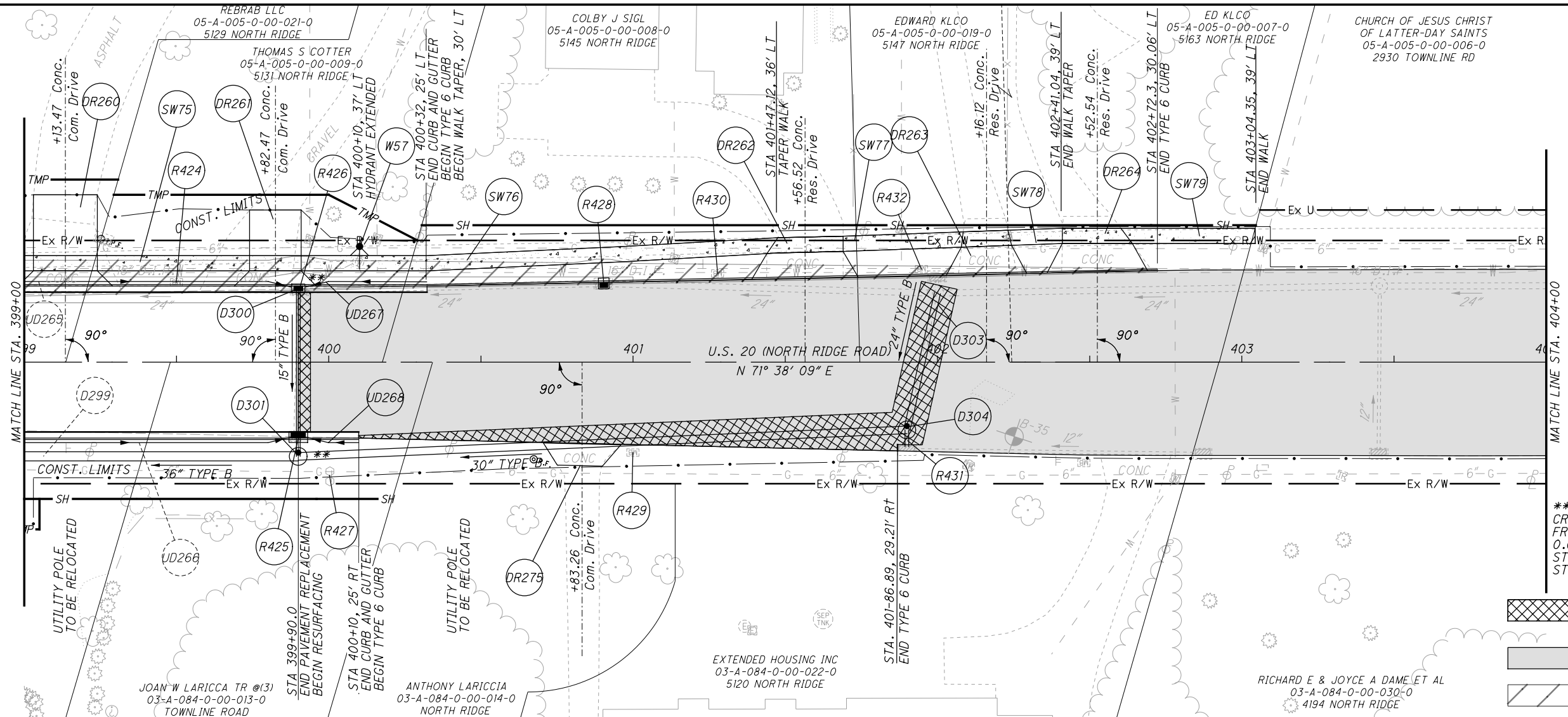
**PLAN AND PROFILE - U.S. 20**  
**STA. 394+00 TO STA. 399+00**

**LAK-US-20-19.59**  
**PART 1**

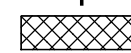

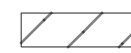
482  
1253

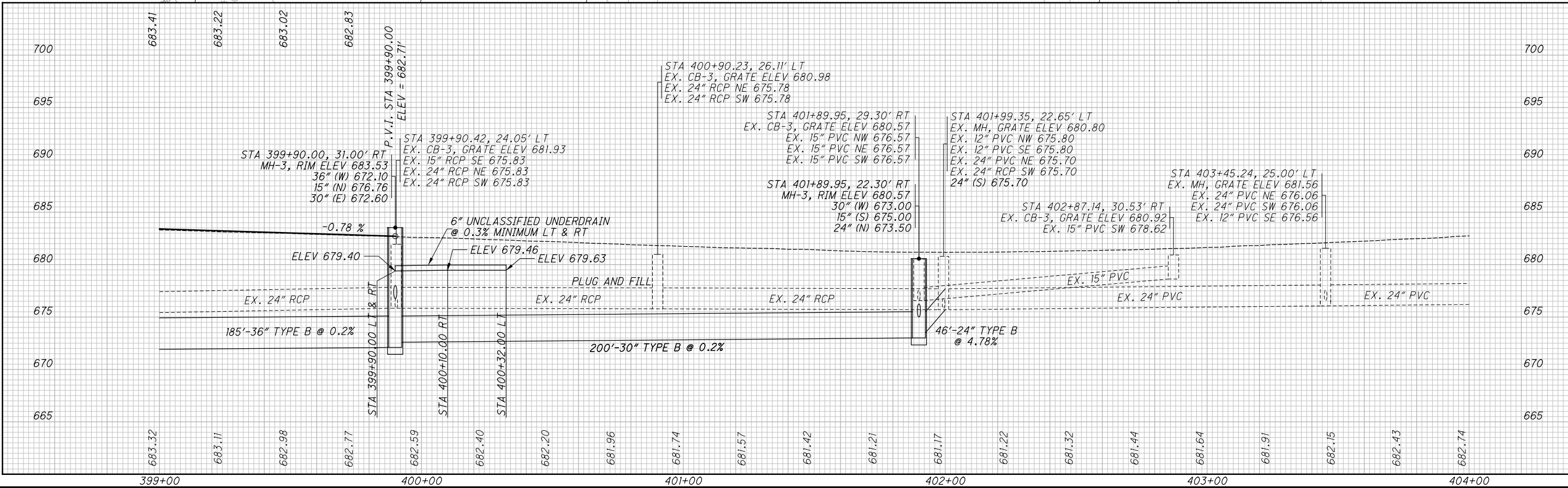
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\*\* VARY GUTTER CROSS SLOPE FROM 0.083 TO 0.016 IN 10.0' STA. 399+90.00 TO STA. 400+00.00

-  PAVEMENT REPAIR
-  RESURFACING AREA
-  TEMPORARY PAVEMENT



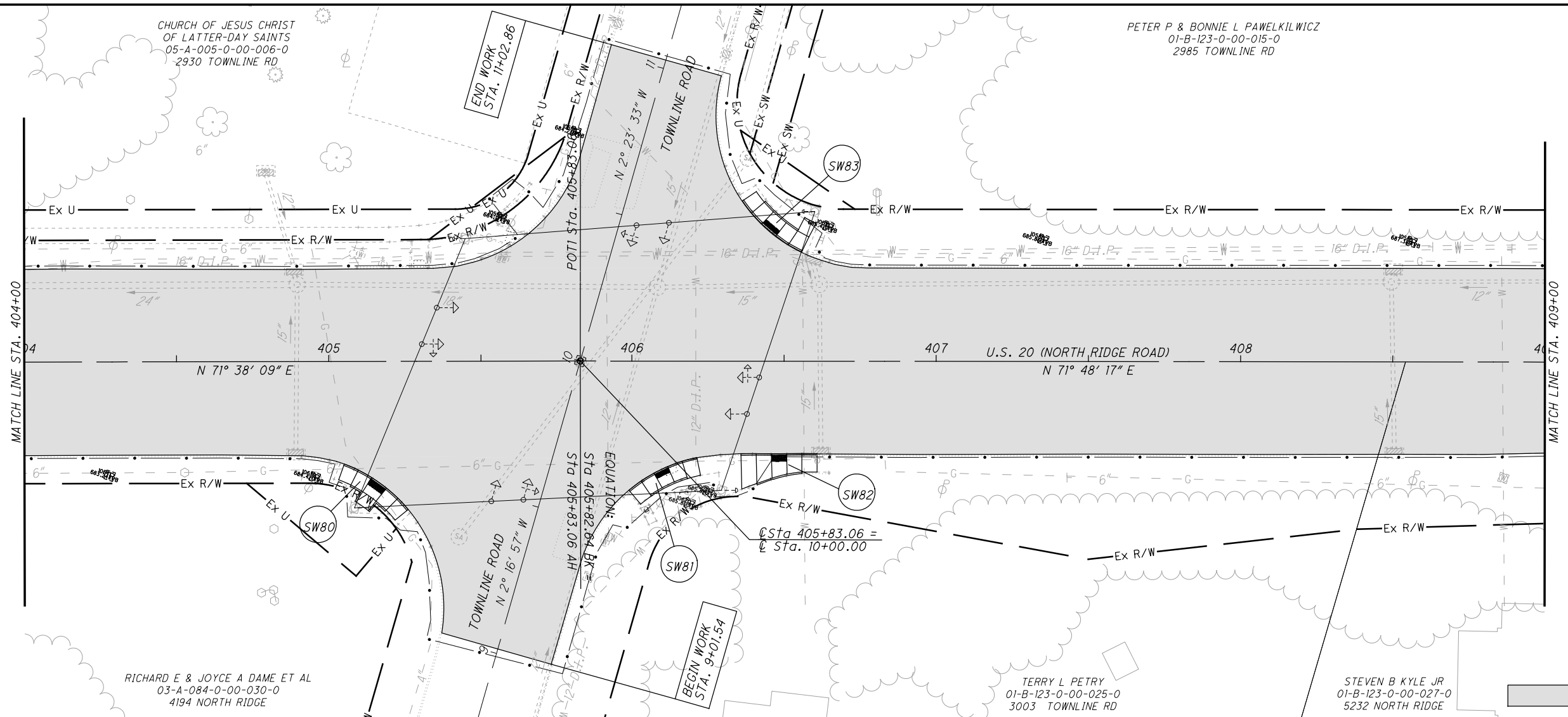
CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

**PLAN AND PROFILE - U.S. 20  
STA. 399+00 TO STA. 404+00**

**LAK-US-20-19.59  
PART 1**

483  
1253

H:\2018\80743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP060.dgn\_Sheet 7/15/2022 3:16:34 PM troyer



PETER P & BONNIE L PAWELKILWICZ  
01-B-123-0-00-015-0  
2985 TOWNLINE RD

CHURCH OF JESUS CHRIST  
OF LATTER-DAY SAINTS  
05-A-005-0-00-006-0  
2930 TOWNLINE RD

RICHARD E & JOYCE A DAME ET AL  
03-A-084-0-00-030-0  
4194 NORTH RIDGE

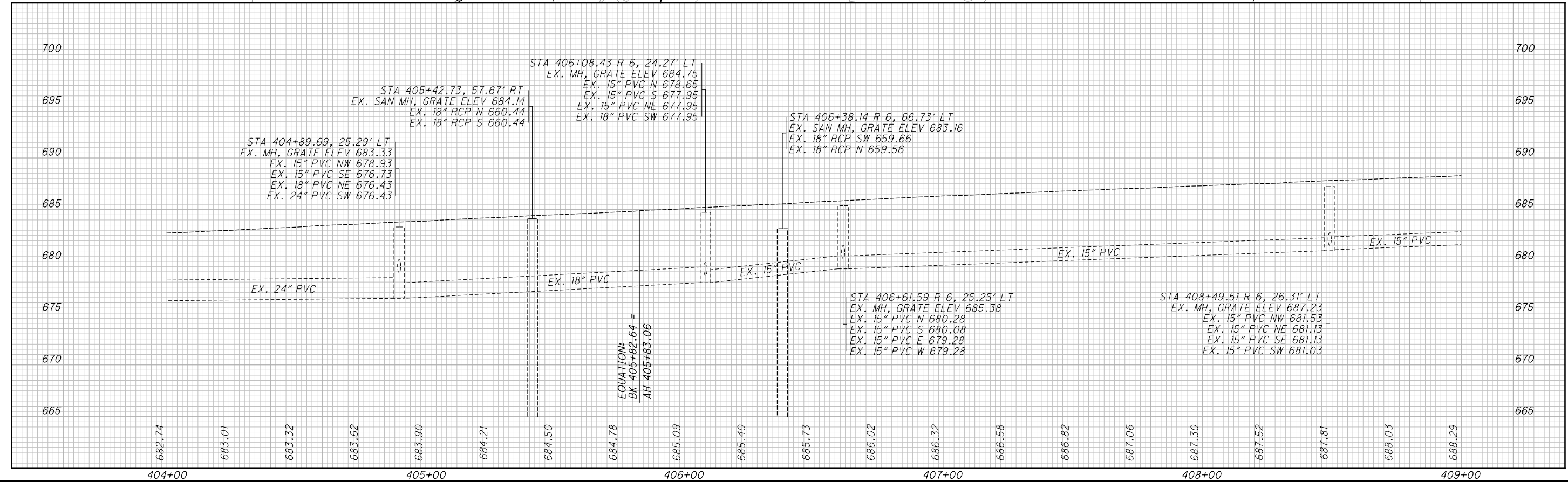
TERRY L PETRY  
01-B-123-0-00-025-0  
3003 TOWNLINE RD

STEVEN B KYLE JR  
01-B-123-0-00-027-0  
5232 NORTH RIDGE



CALCULATED  
TLS  
CHECKED  
JMP

**PLAN AND PROFILE - U.S. 20  
STA. 404+00 TO STA. 409+00**



STA 406+08.43 R 6, 24.27' LT  
EX. MH, GRATE ELEV 684.75  
EX. 15" PVC N 678.65  
EX. 15" PVC S 677.95  
EX. 15" PVC NE 677.95  
EX. 18" PVC SW 677.95

STA 405+42.73, 57.67' RT  
EX. SAN MH, GRATE ELEV 684.14  
EX. 18" RCP N 660.44  
EX. 18" RCP S 660.44

STA 404+89.69, 25.29' LT  
EX. MH, GRATE ELEV 683.33  
EX. 15" PVC NW 678.93  
EX. 15" PVC SE 676.73  
EX. 18" PVC NE 676.43  
EX. 24" PVC SW 676.43

STA 406+38.14 R 6, 66.73' LT  
EX. SAN MH, GRATE ELEV 683.16  
EX. 18" RCP SW 659.66  
EX. 18" RCP N 659.56

STA 406+61.59 R 6, 25.25' LT  
EX. MH, GRATE ELEV 685.38  
EX. 15" PVC N 680.28  
EX. 15" PVC S 680.08  
EX. 15" PVC E 679.28  
EX. 15" PVC W 679.28

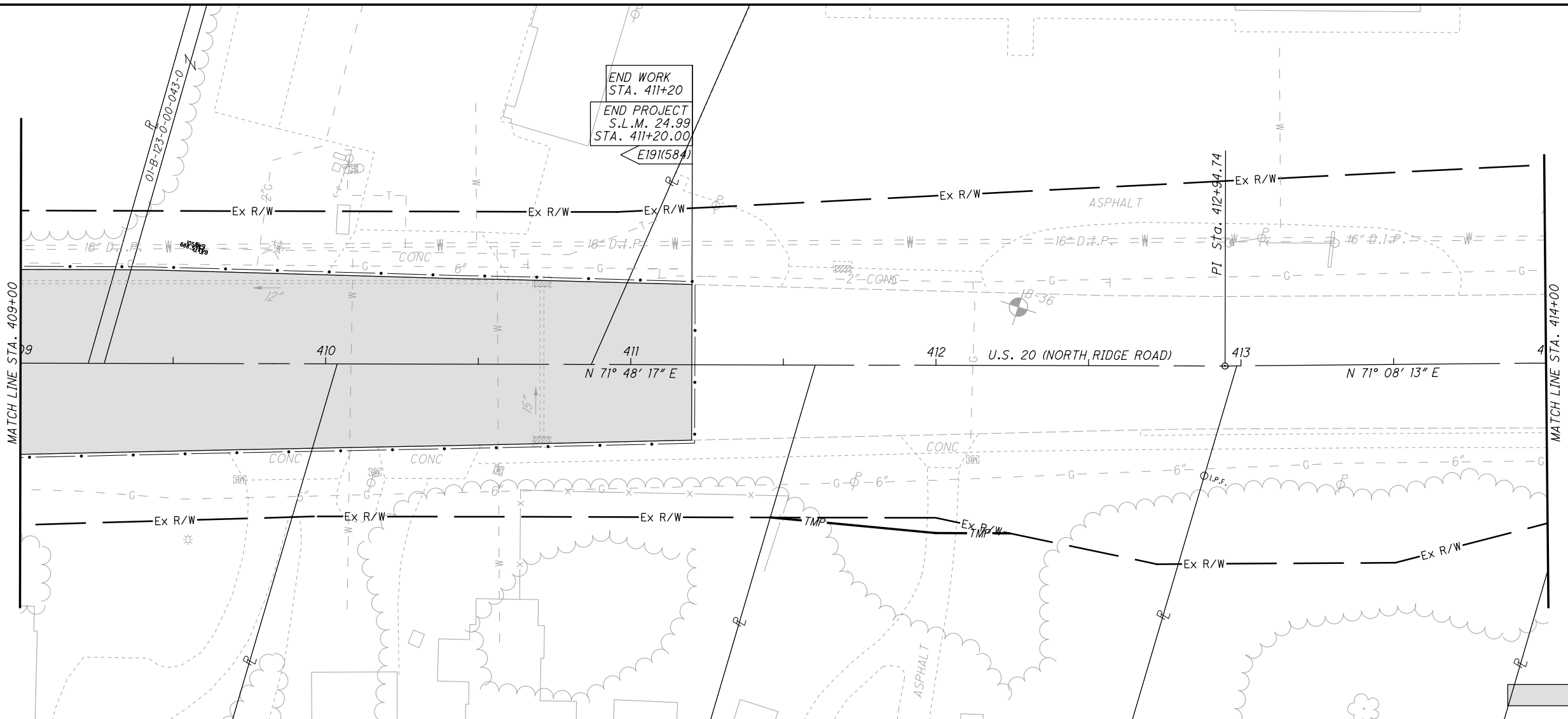
STA 408+49.51 R 6, 26.31' LT  
EX. MH, GRATE ELEV 687.23  
EX. 15" PVC NW 681.53  
EX. 15" PVC NE 681.13  
EX. 15" PVC SE 681.13  
EX. 15" PVC SW 681.03

EQUATION:  
BK 405+82.64 =  
AH 405+83.06

**LAK-US-20-19.59  
PART 1**

484  
1253

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CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

**PLAN AND PROFILE - U.S. 20  
STA. 409+00 TO STA. 414+00**

**LAK-US-20-19.59  
PART 1**

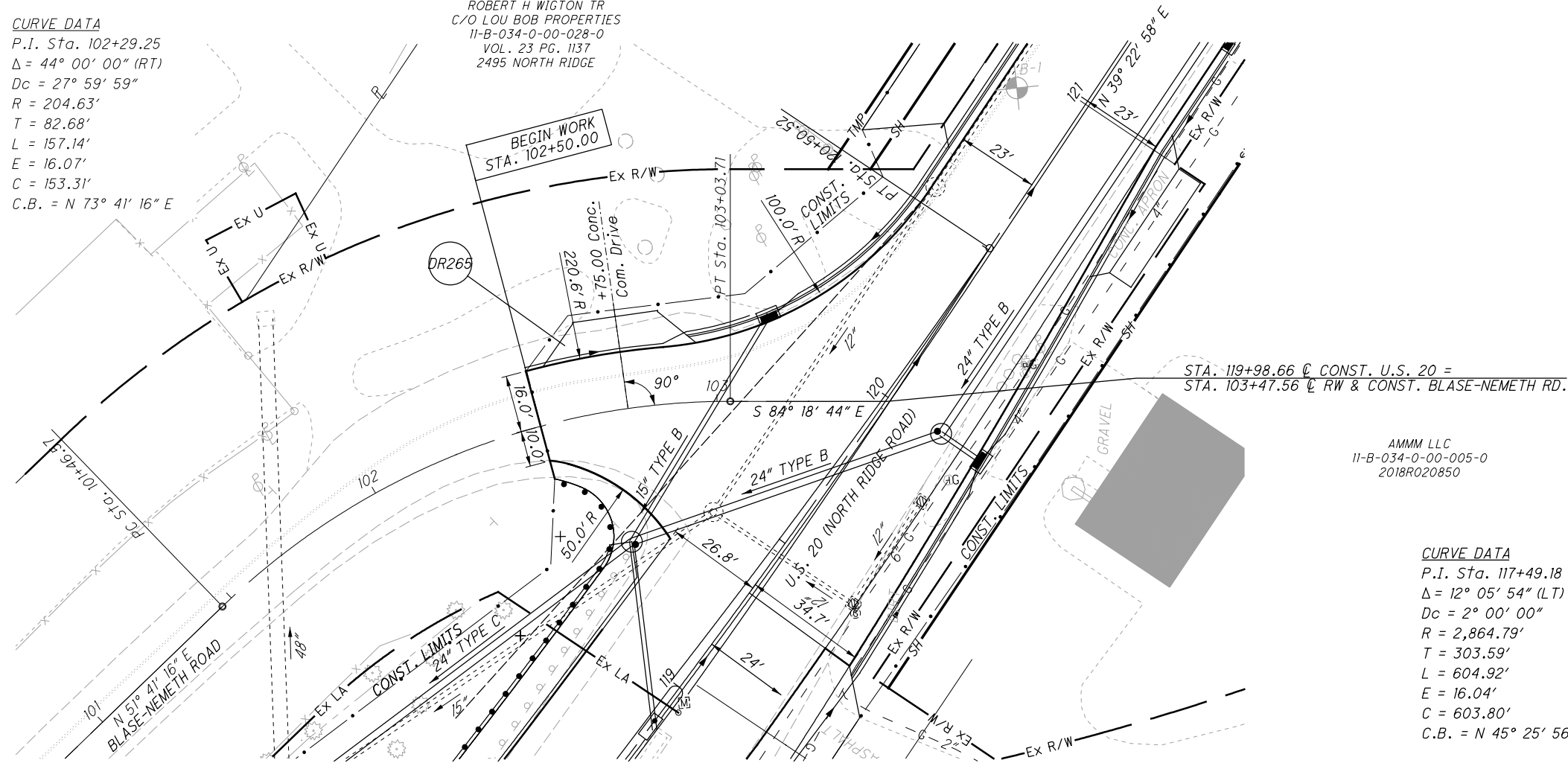
485  
1253



H:\2018\80743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP201\_BLAISE\_NEMETH.dgn Sheet 7/15/2022 3:16:36 PM troyer

**CURVE DATA**  
 P.I. Sta. 102+29.25  
 $\Delta = 44^\circ 00' 00''$  (RT)  
 $D_c = 27^\circ 59' 59''$   
 $R = 204.63'$   
 $T = 82.68'$   
 $L = 157.14'$   
 $E = 16.07'$   
 $C = 153.31'$   
 C.B. = N 73° 41' 16" E

ROBERT H WIGTON TR  
 C/O LOU BOB PROPERTIES  
 11-B-034-0-00-028-0  
 VOL. 23 PG. 1137  
 2495 NORTH RIDGE

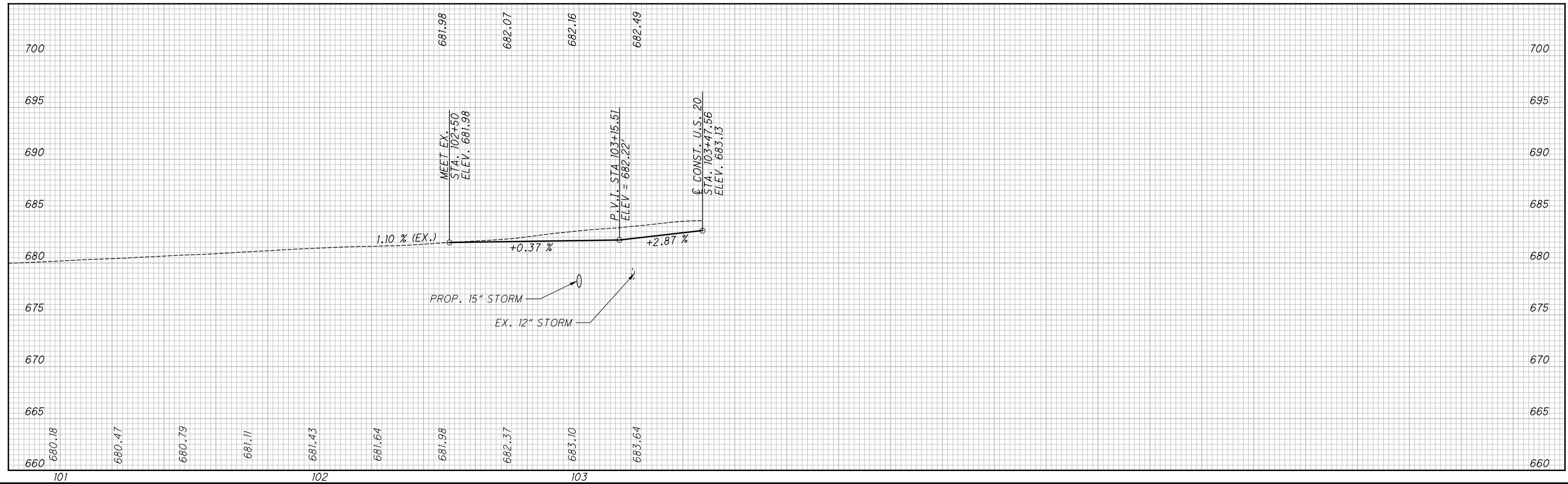


AMMM LLC  
 11-B-034-0-00-005-0  
 2018R020850

**CURVE DATA**  
 P.I. Sta. 117+49.18  
 $\Delta = 12^\circ 05' 54''$  (LT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 303.59'$   
 $L = 604.92'$   
 $E = 16.04'$   
 $C = 603.80'$   
 C.B. = N 45° 25' 56" E



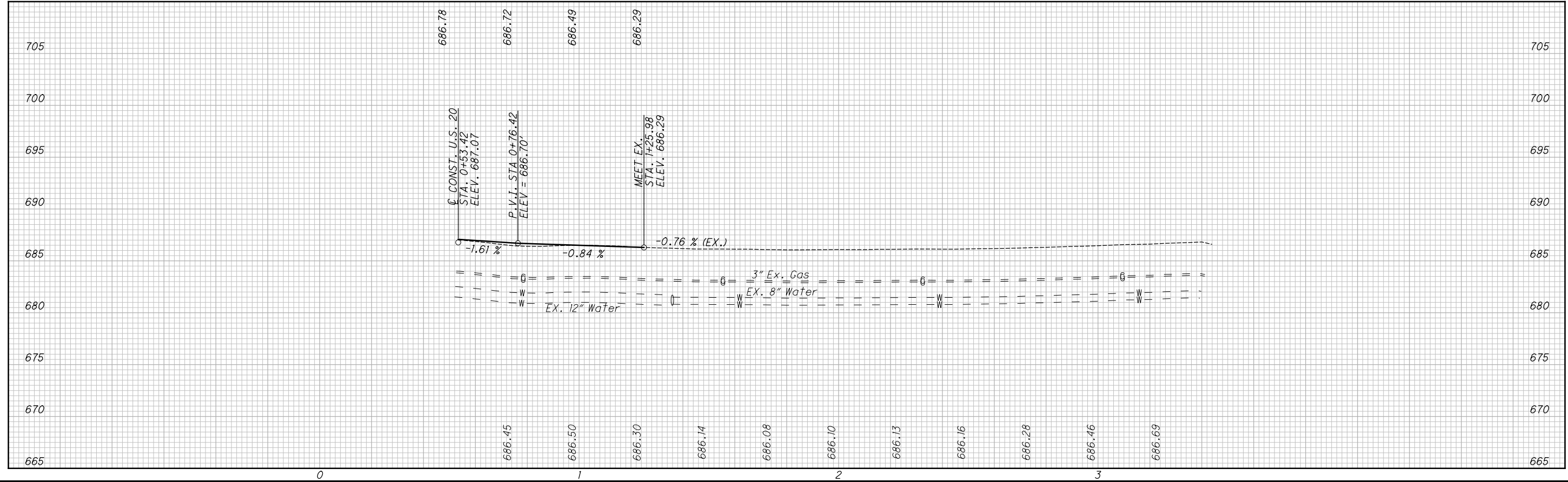
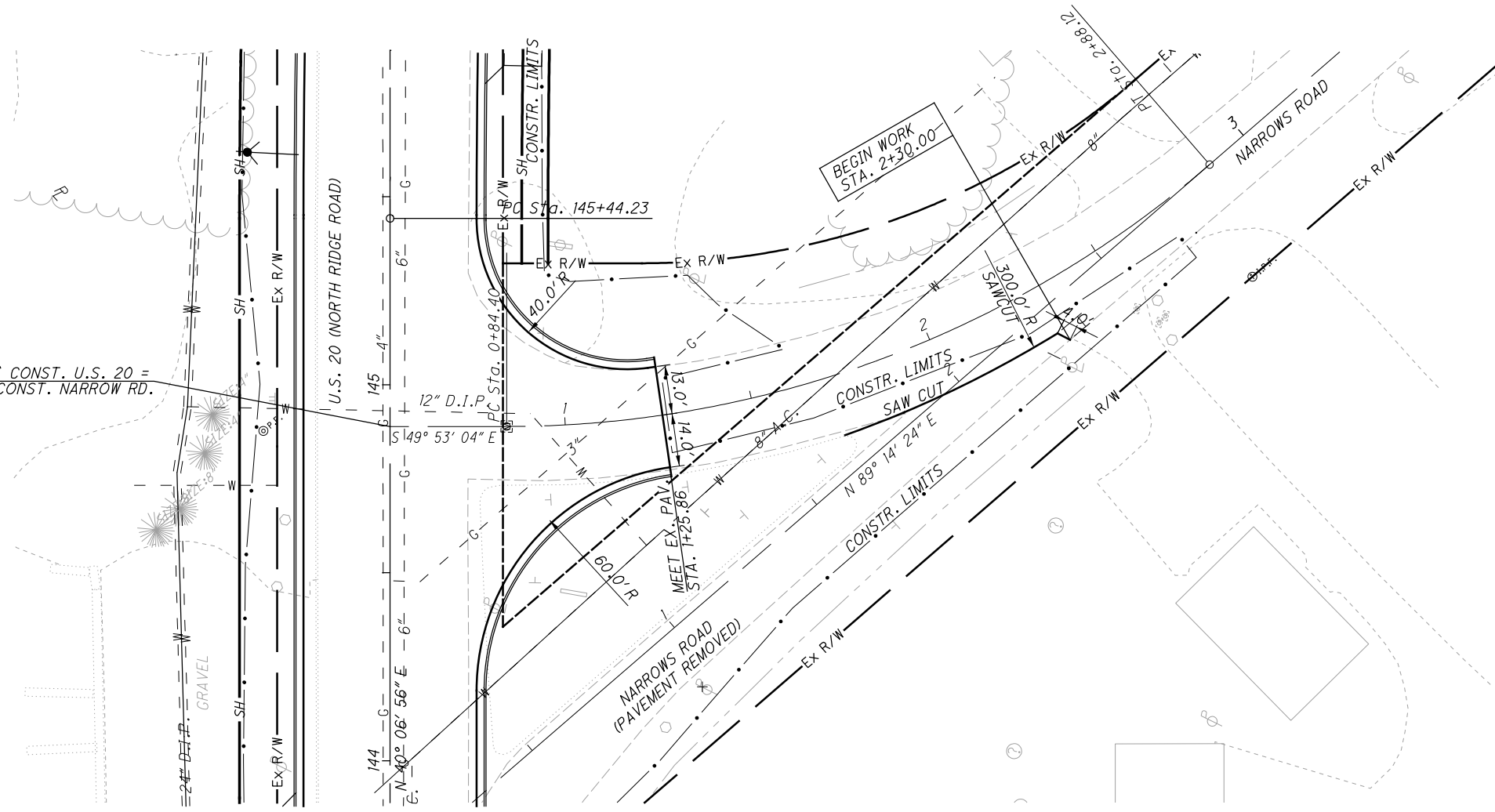
**LAK-US-20-19.59**  
**PART 1**  
**PLAN AND PROFILE - BLASE NEMETH RD.**  
**STA. 103+00 TO 103+47.56**



H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP202\_NARROWS.2.dgn Sheet 7/15/2022 3:16:37 PM Troyer

**CURVE DATA**  
 P.I. Sta. 1+90.81  
 $\Delta = 40^\circ 52' 32''$  (LT)  
 $Dc = 20^\circ 03' 55''$   
 $R = 285.55'$   
 $T = 106.41'$   
 $L = 203.71'$   
 $E = 19.18'$   
 $C = 199.42'$   
 C.B. =  $S 70^\circ 19' 20'' E$

STA. 144+88.90 @ CONST. U.S. 20 =  
 STA. 0+53.42 @ CONST. NARROW RD.



**LAK-US-20-19.59**  
**PART 1**

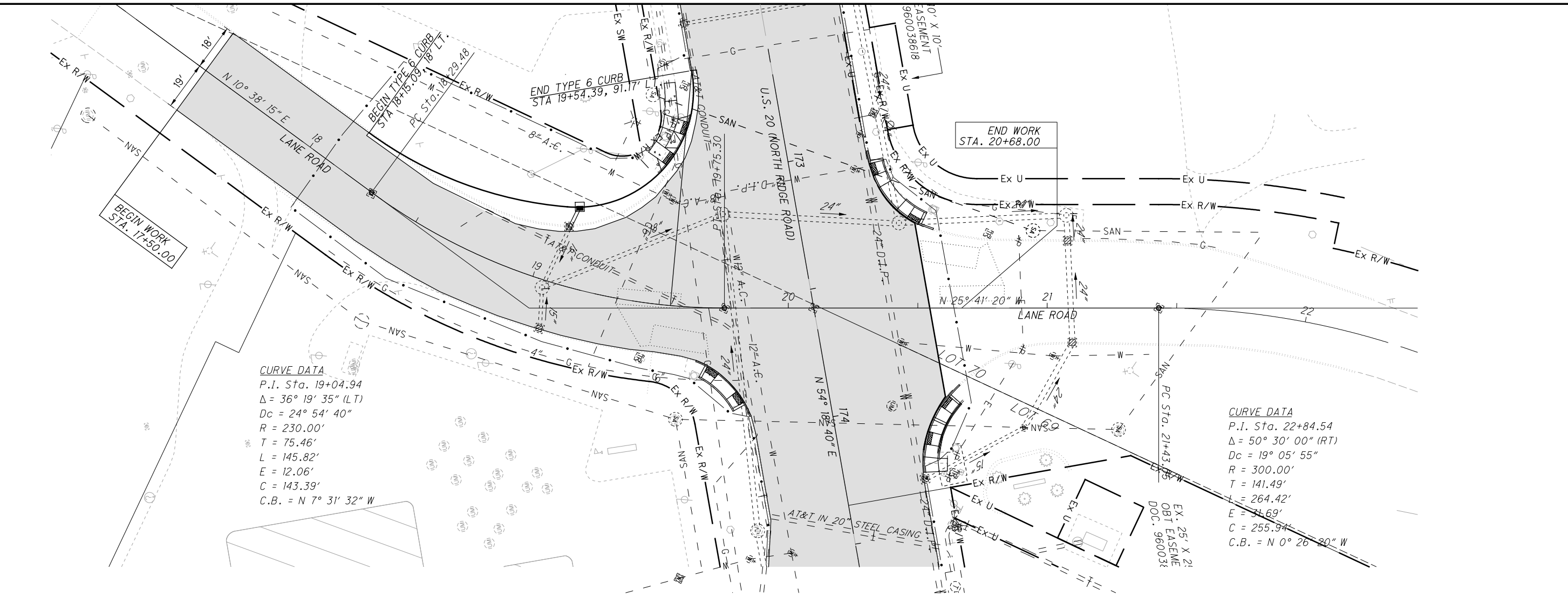
**PLAN AND PROFILE - NARROWS RD.**  
**STA. 0+53.42 TO STA. 3+50.00**

CALCULATED  
 TJS  
 CHECKED  
 JMP

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

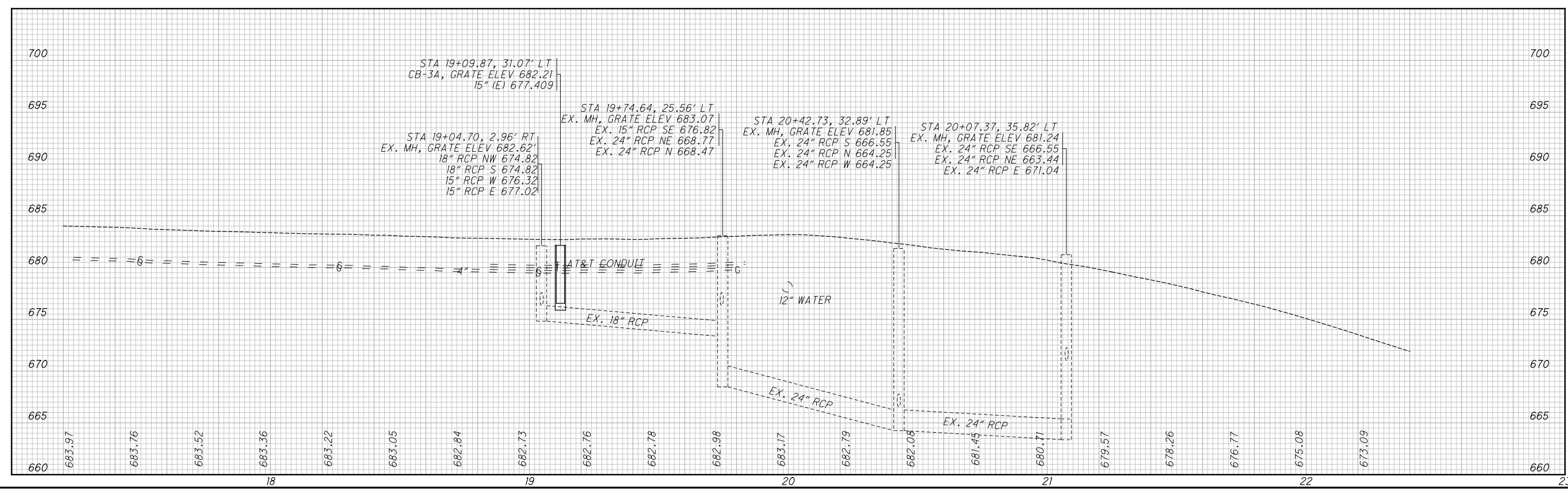
(487)  
 1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP203\_LANE.dgn Sheet 7/15/2022 3:16:38 PM troyer



**CURVE DATA**  
 P.I. Sta. 19+04.94  
 $\Delta = 36^\circ 19' 35''$  (LT)  
 $D_c = 24^\circ 54' 40''$   
 $R = 230.00'$   
 $T = 75.46'$   
 $L = 145.82'$   
 $E = 12.06'$   
 $C = 143.39'$   
 C.B. = N 7° 31' 32" W

**CURVE DATA**  
 P.I. Sta. 22+84.54  
 $\Delta = 50^\circ 30' 00''$  (RT)  
 $D_c = 19^\circ 05' 55''$   
 $R = 300.00'$   
 $T = 141.49'$   
 $L = 264.42'$   
 $E = 31.69'$   
 $C = 255.94'$   
 C.B. = N 0° 26' 30" W



CALCULATED  
TLS  
CHECKED  
JMP

**PLAN AND PROFILE - LANE RD.  
 STA. 18+00.00 TO STA. 22+00.00**

**LAK-US-20-19.59  
 PART 1**

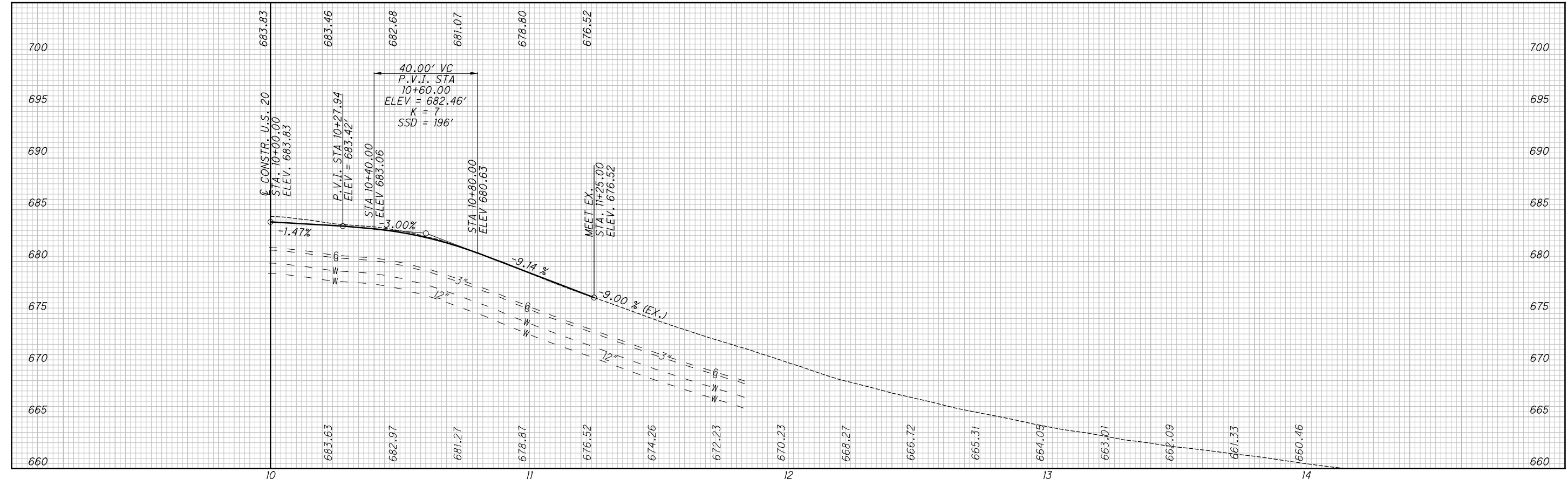
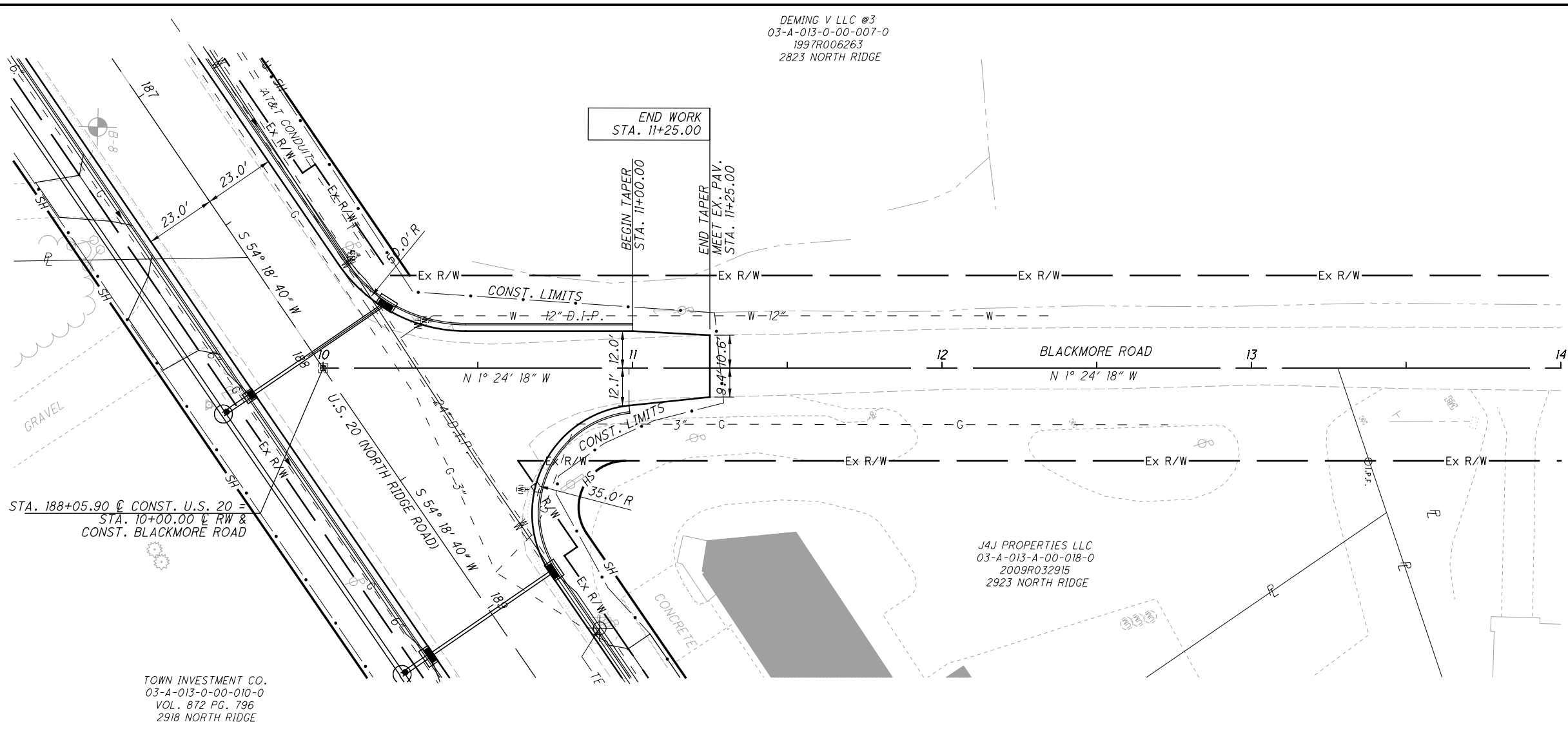
488  
1253

DEMING V LLC @3  
 03-A-013-0-00-007-0  
 1997R006263  
 2823 NORTH RIDGE



CALCULATED  
 TJS  
 CHECKED  
 JMP

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TOWN INVESTMENT CO.  
 03-A-013-0-00-010-0  
 VOL. 872 PG. 796  
 2918 NORTH RIDGE

J4J PROPERTIES LLC  
 03-A-013-A-00-018-0  
 2009R032915  
 2923 NORTH RIDGE

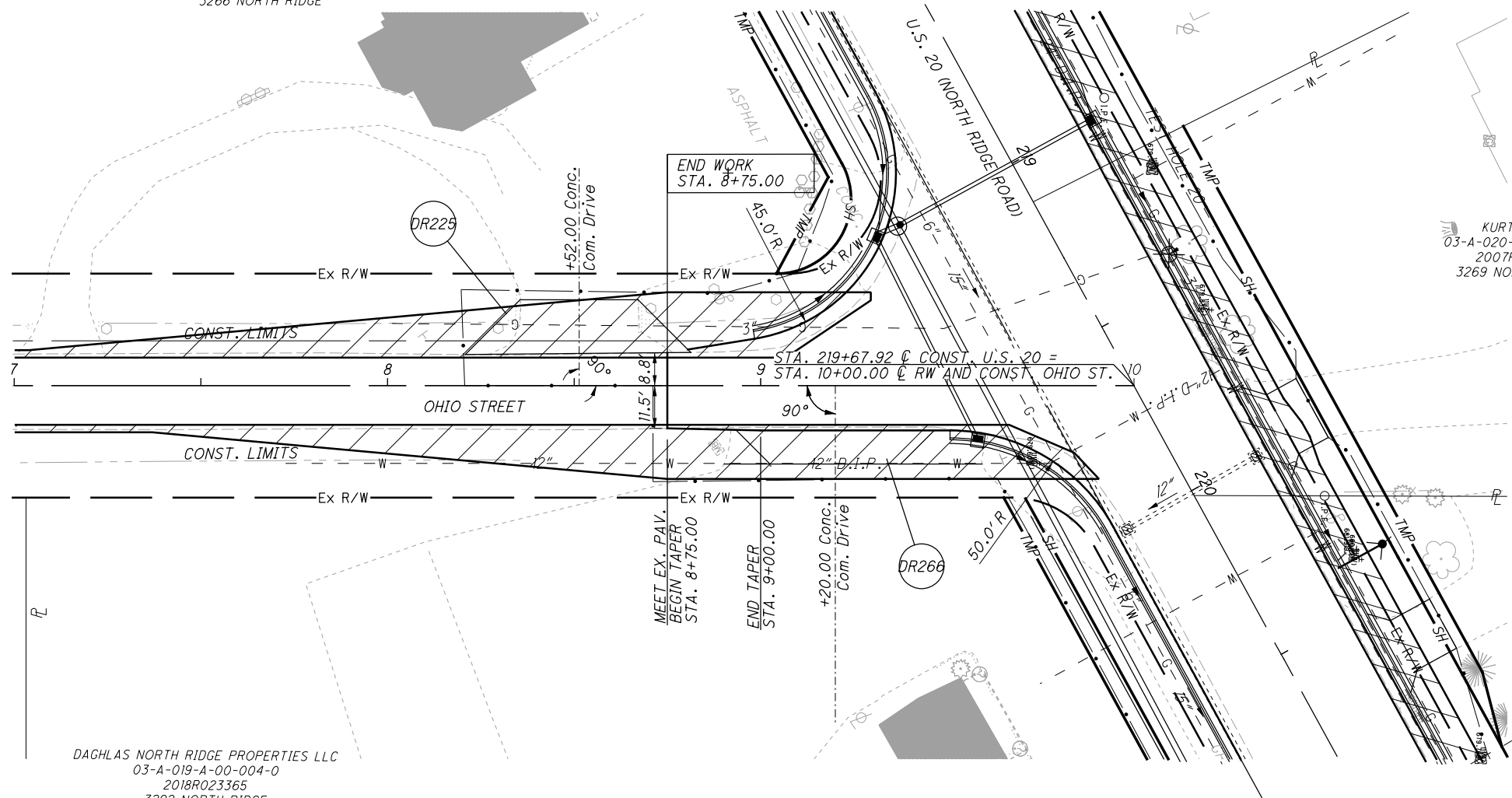
LAK-US-20-19.59  
 PART 1  
 PLAN AND PROFILE - BLACKMORE RD.  
 STA. 10+00 TO STA. 14+00.00

LAK-US-20-19.59  
 PART 1

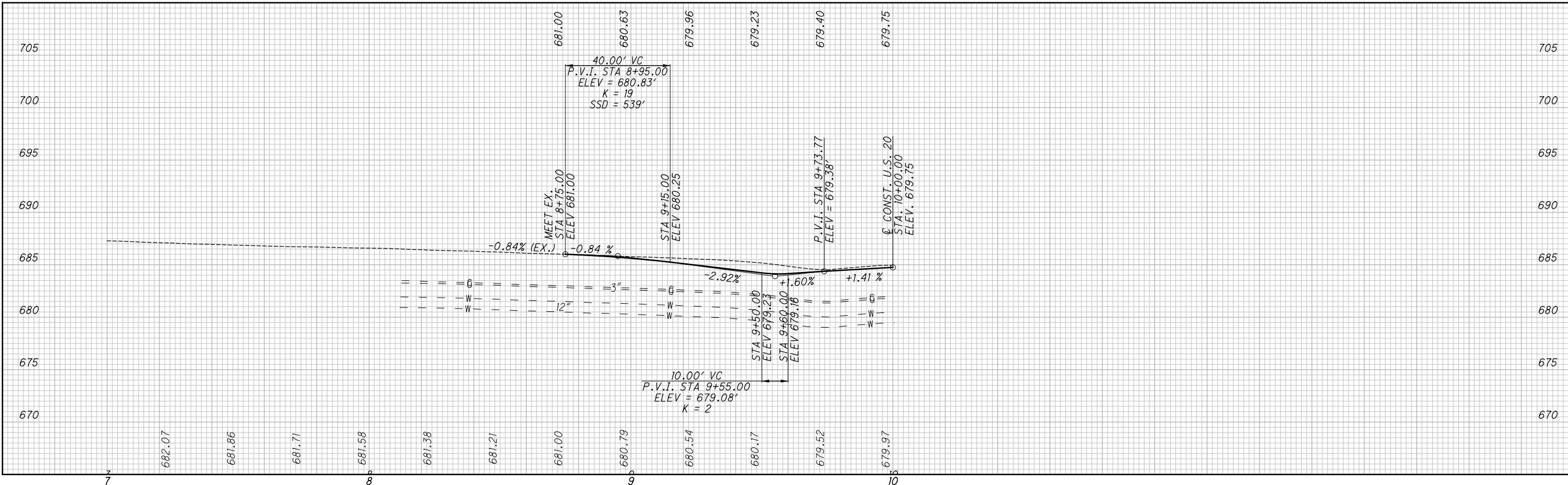
DOUGLAS P WOLF  
03-A-019-A-00-005-0  
2008R028897  
3266 NORTH RIDGE

KURT WEST  
03-A-020-0-00-027-0  
2007R014534  
3269 NORTH RIDGE

DAGHLAS NORTH RIDGE PROPERTIES LLC  
03-A-019-A-00-004-0  
2018R023365  
3292 NORTH RIDGE



TEMPORARY PAVEMENT



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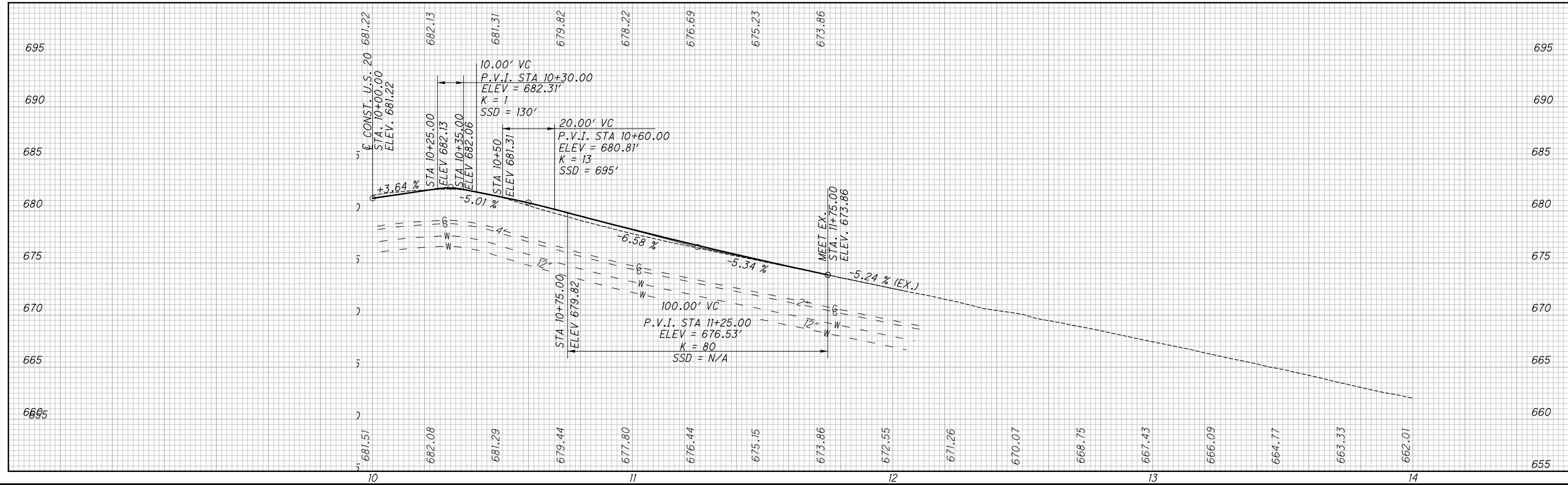
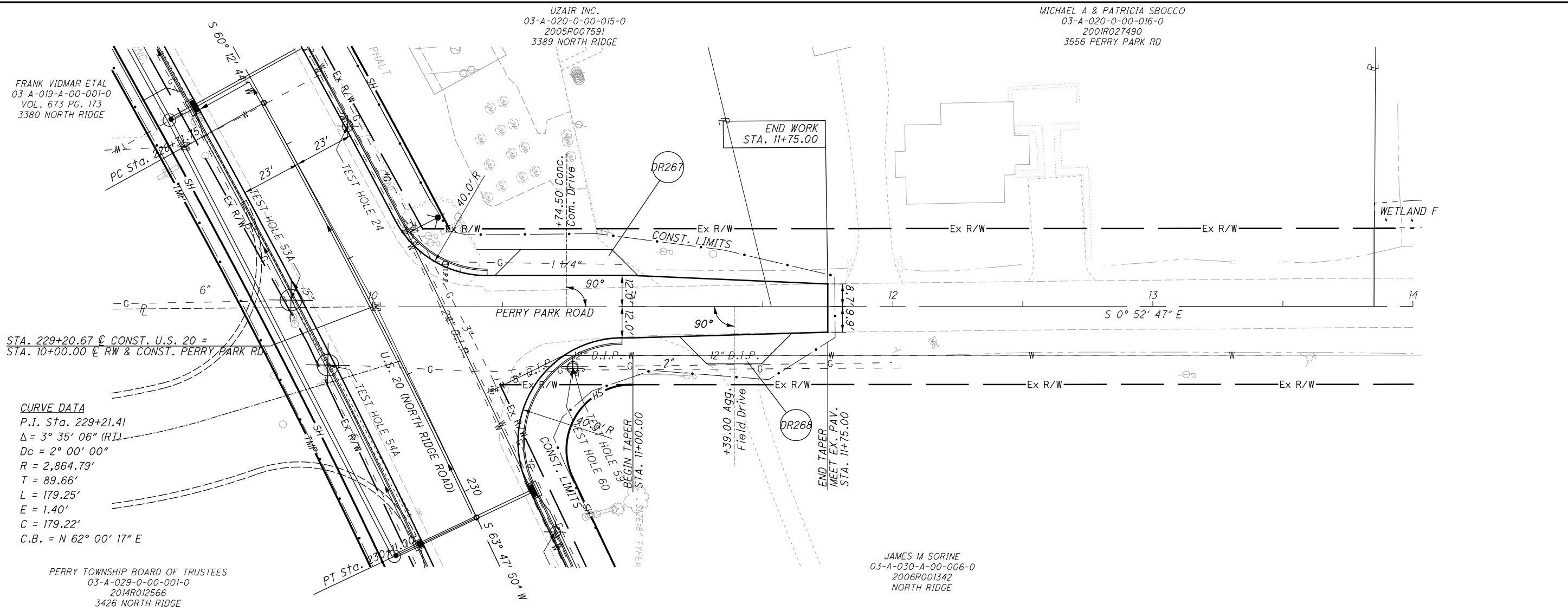
CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

**PLAN AND PROFILE - OHIO ST.  
STA. 7+00.00 EO STA. 10+00.00**

**LAK-US-20-19.59  
PART 1**

490  
1253

H:\2018\80743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP206\_PERRY\_PARK.dgn Sheet 7/15/2022 3:16:41PM troyer



**LAK-US-20-19.59 PART 1**

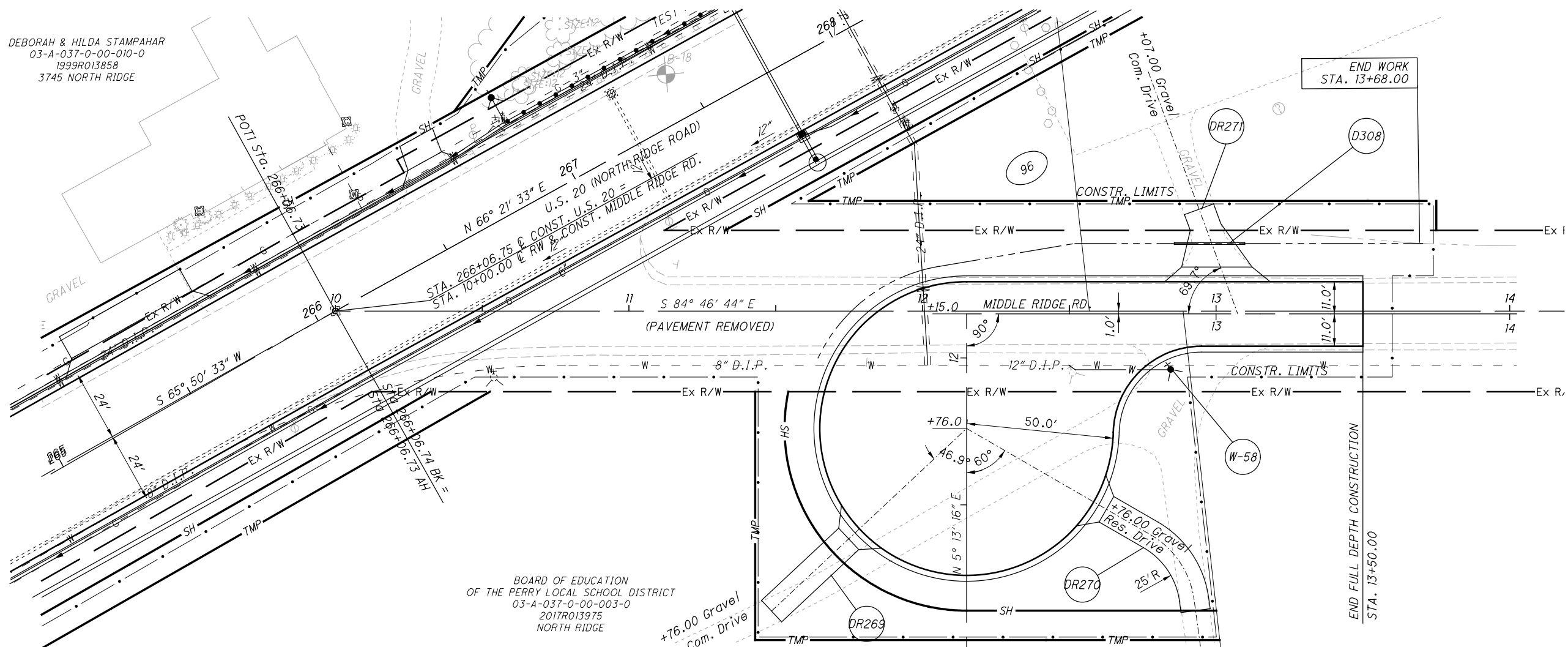
**PLAN AND PROFILE - PERRY PARK RD. STA. 10+00 TO STA. 14+00.00**

491  
1253

0 20 40  
10  
HORIZONTAL SCALE IN FEET

CALCULATED  
TLS  
CHECKED  
JMP

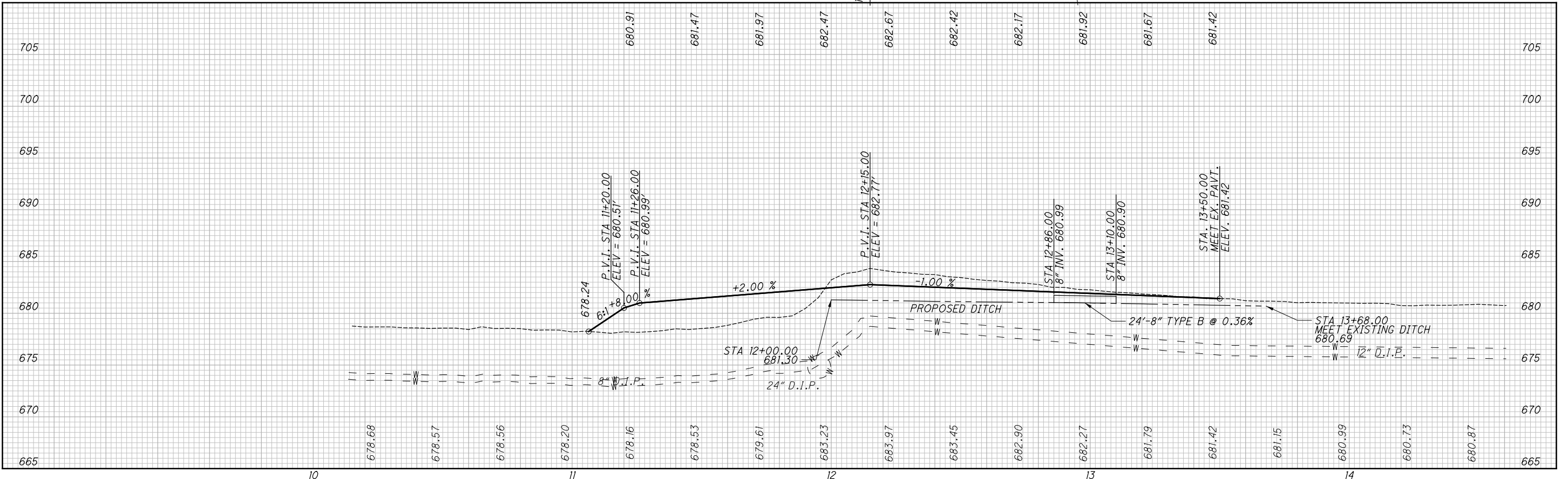
DEBORAH & HILDA STAMPAHAR  
 03-A-037-0-00-010-0  
 1999R013858  
 3745 NORTH RIDGE



BOARD OF EDUCATION  
 OF THE PERRY LOCAL SCHOOL DISTRICT  
 03-A-037-0-00-003-0  
 2017R013975  
 NORTH RIDGE

END WORK  
 STA. 13+68.00

END FULL DEPTH CONSTRUCTION  
 STA. 13+50.00

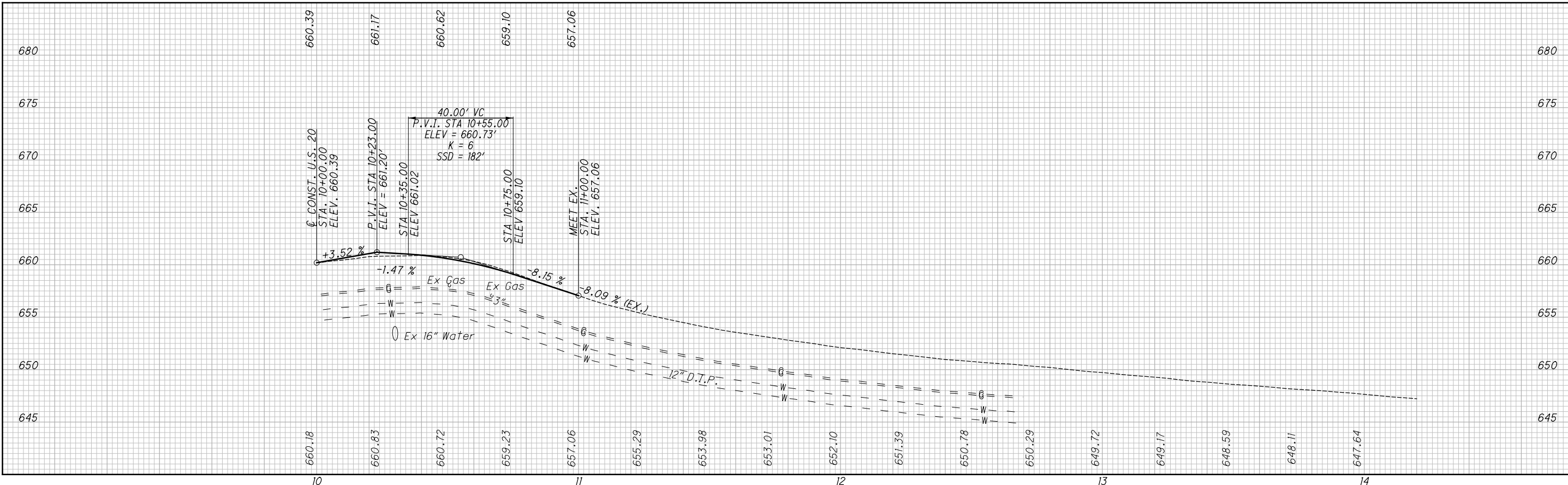
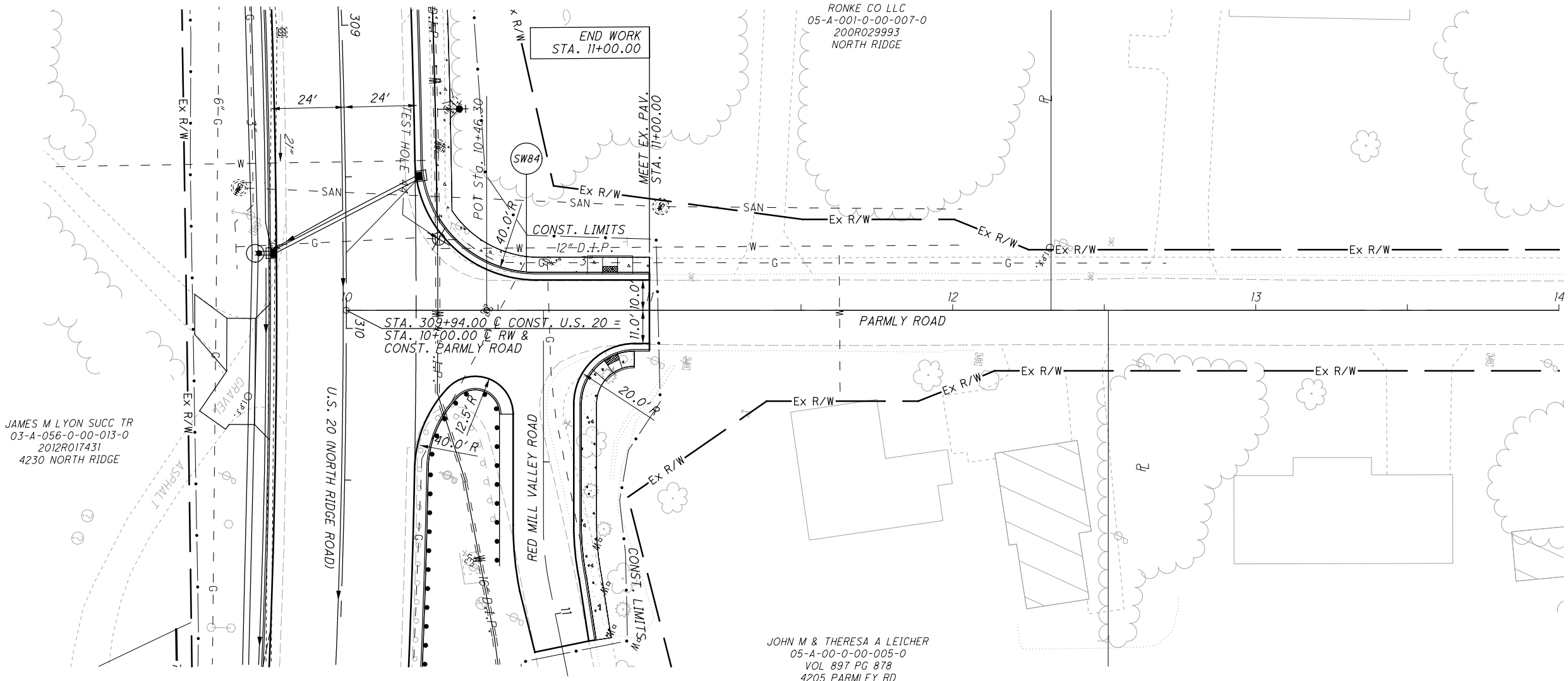


LAK-US-20-19.59  
 PLAN AND PROFILE - MIDDLE RIDGE RD,  
 STA. 10+00.00 TO STA. 14+00.00  
 PART 1

492  
 1253

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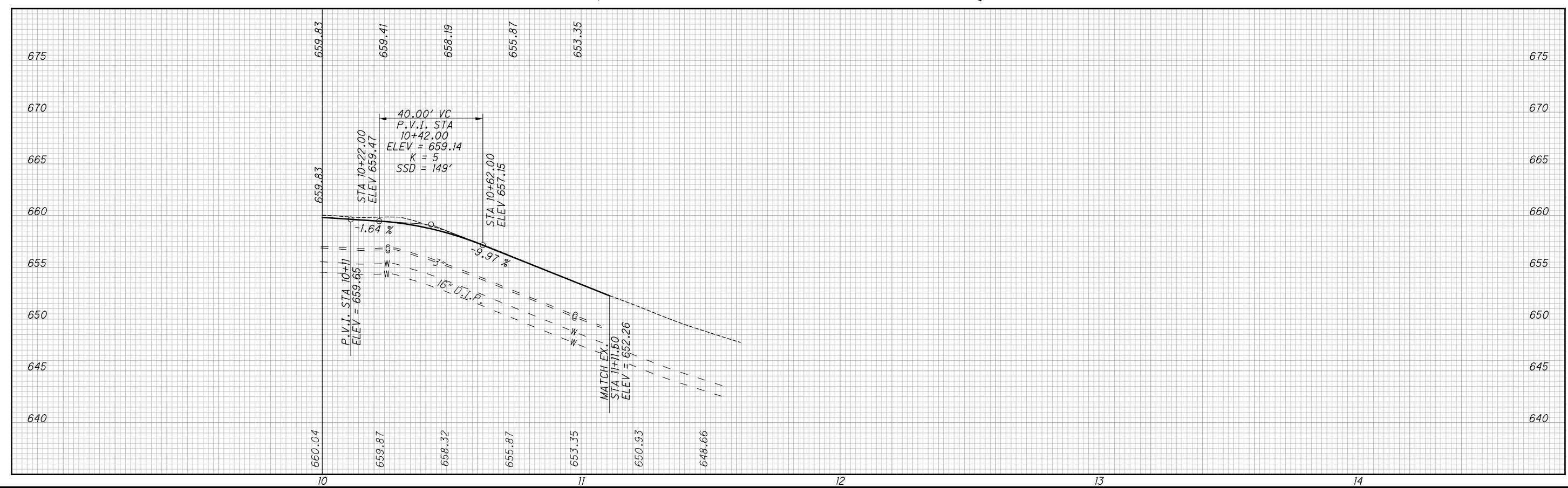
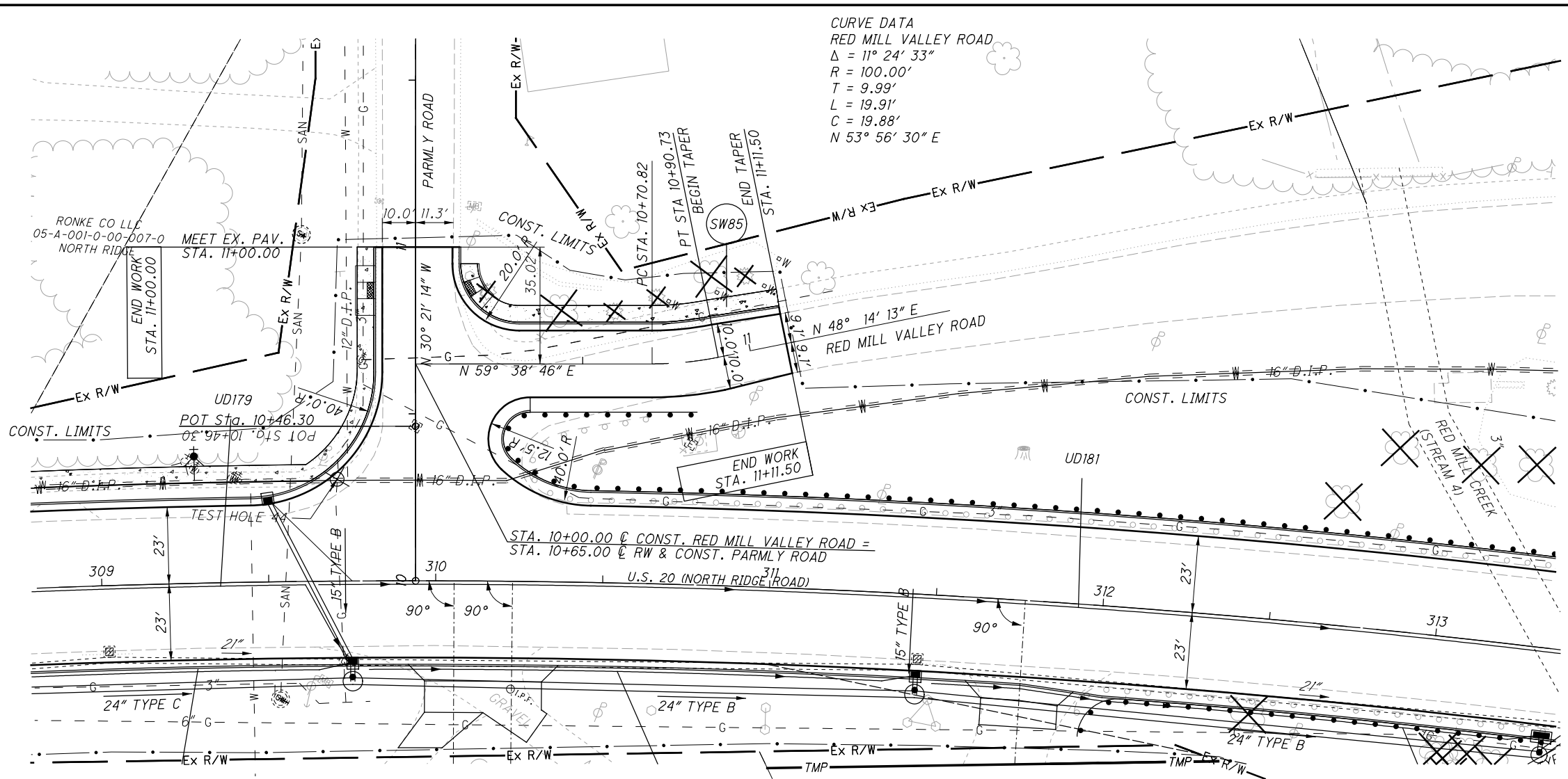
**PLAN AND PROFILE - PARMLEY RD.  
STA. 10+00.00 TO STA. 14+00.00**

**LAK-US-20-19.59  
PART 1**

493  
1253



H:\2018\80743\0D01\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP209\_RED MILL WEST.dgn Sheet 7/15/2022 3:16:44 PM troyer



**LAK-US-20-19.59 PLAN AND PROFILE - RED MILL VALLEY RD. (W)**

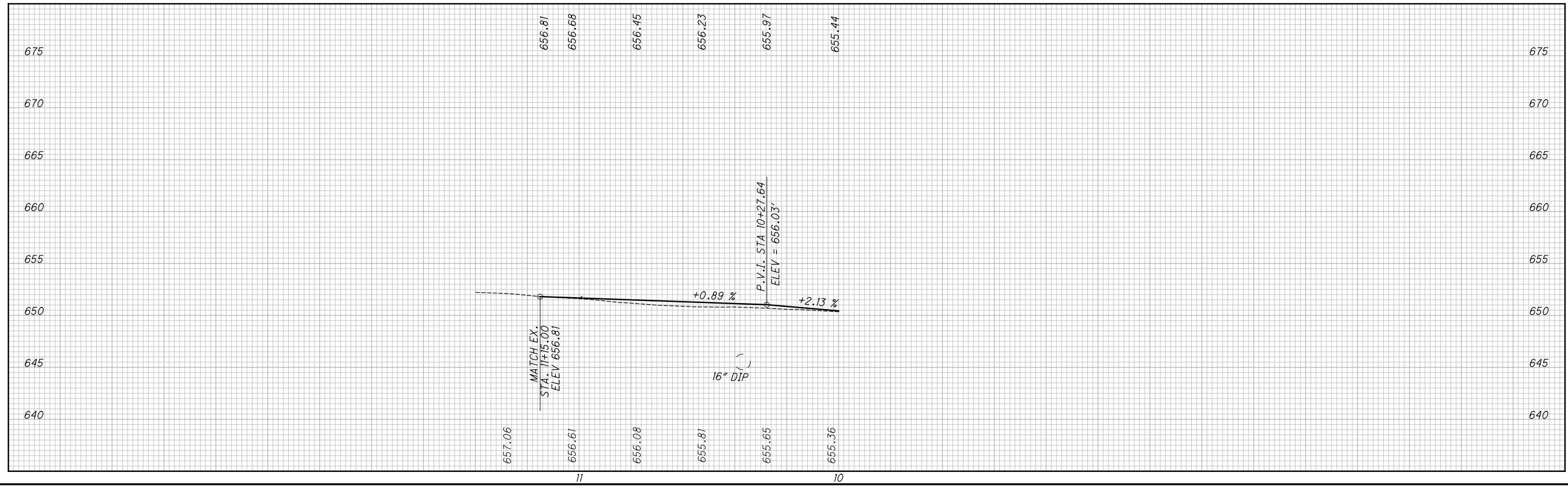
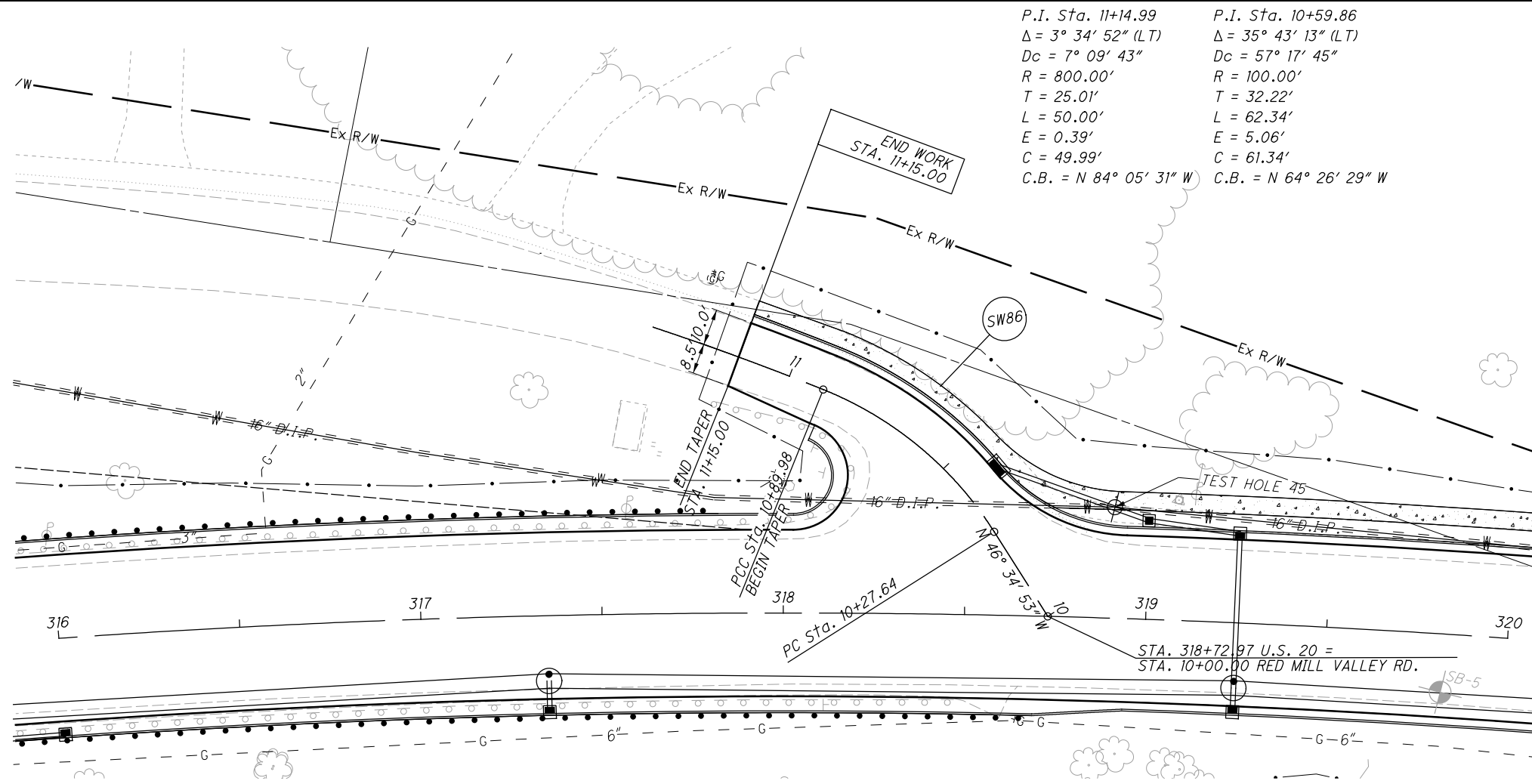
**PART 1**

**STA. 10+00.00 TO STA. 12+00.00**

CALCULATED: TLS  
 CHECKED: JMP

HORIZONTAL SCALE IN FEET

495  
 1253



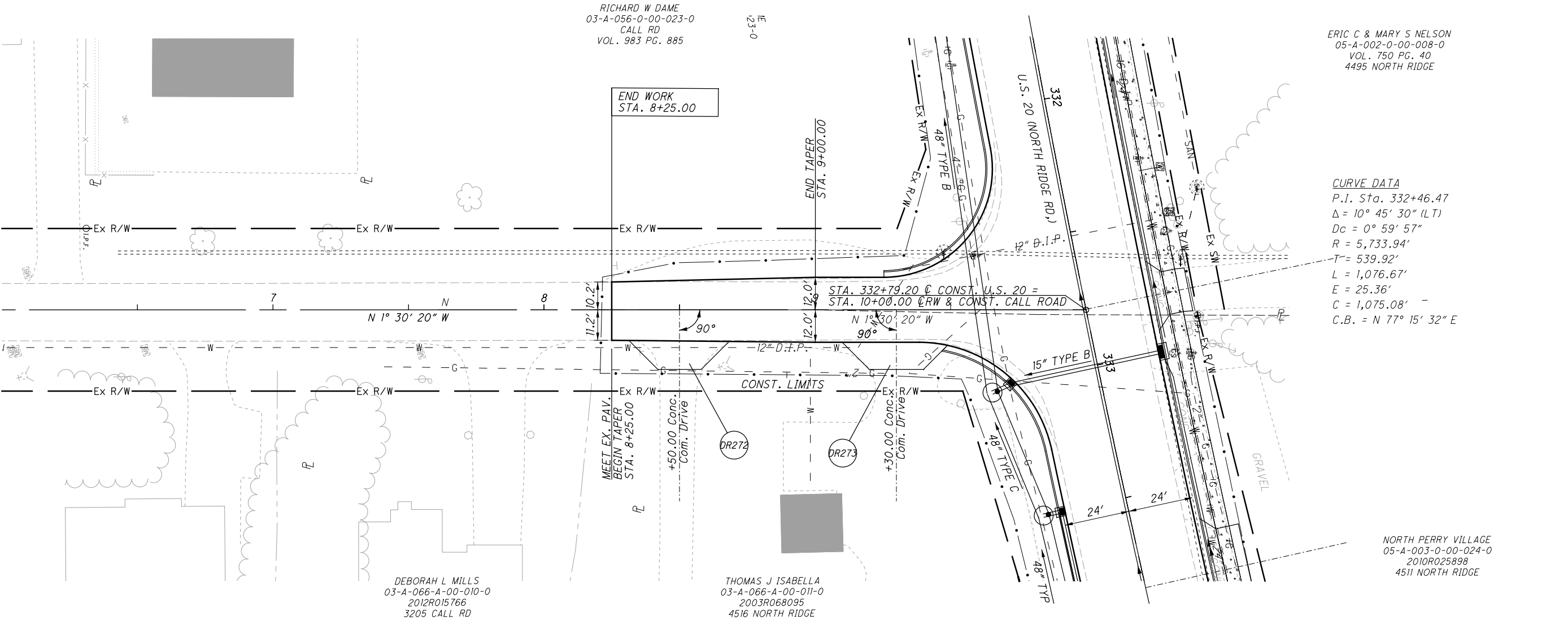
CALCULATED TJS  
CHECKED JMP

**PLAN AND PROFILE - RED MILL VALLEY RD. (E)**  
**STA. 10+00.00 TO STA. 11+15.00**

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GP210\_CALL.dgn Sheet 7/15/2022 3:16:46 PM Troyer

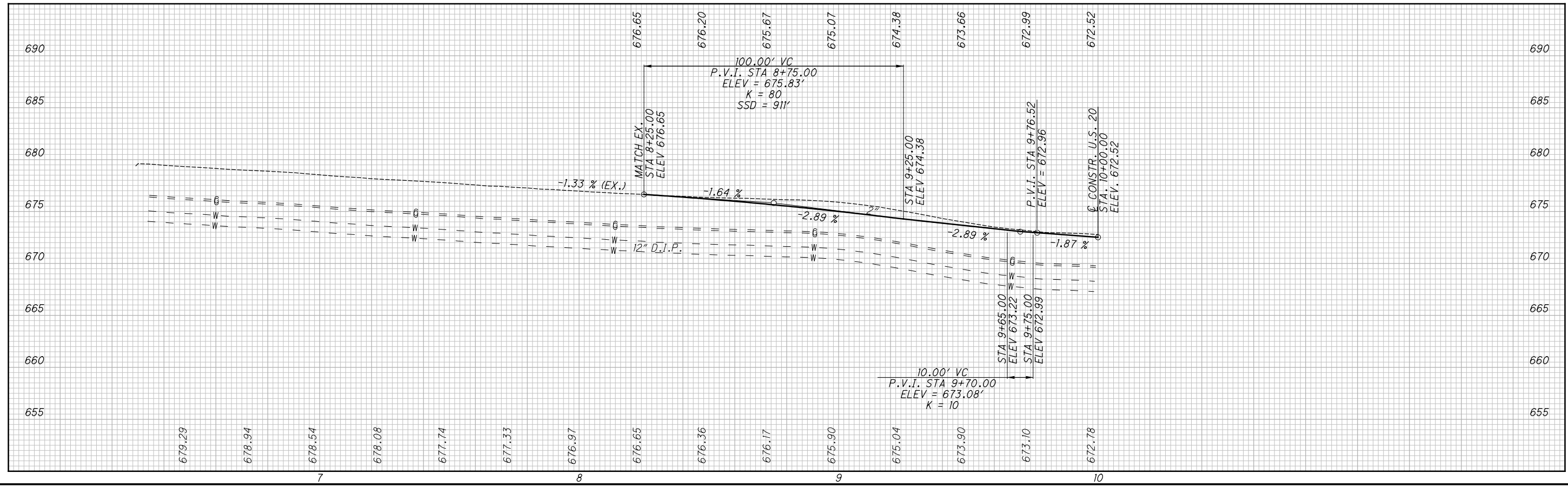
RICHARD W DAME  
03-A-056-0-00-023-0  
CALL RD  
VOL. 983 PG. 885

ERIC C & MARY S NELSON  
05-A-002-0-00-008-0  
VOL. 750 PG. 40  
4495 NORTH RIDGE



**CURVE DATA**  
P.I. Sta. 332+46.47  
 $\Delta = 10^\circ 45' 30''$  (LT)  
 $D_c = 0^\circ 59' 57''$   
 $R = 5,733.94'$   
 $T = 539.92'$   
 $L = 1,076.67'$   
 $E = 25.36'$   
 $C = 1,075.08'$   
 $C.B. = N 77^\circ 15' 32'' E$

NORTH PERRY VILLAGE  
05-A-003-0-00-024-0  
2010R025898  
4511 NORTH RIDGE



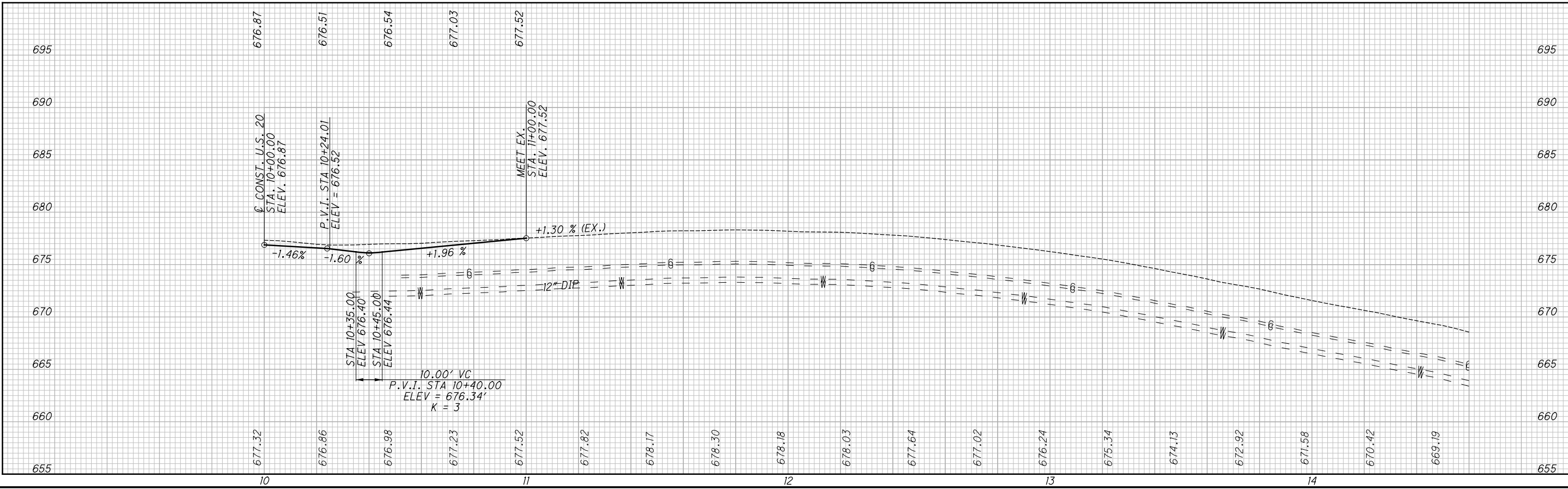
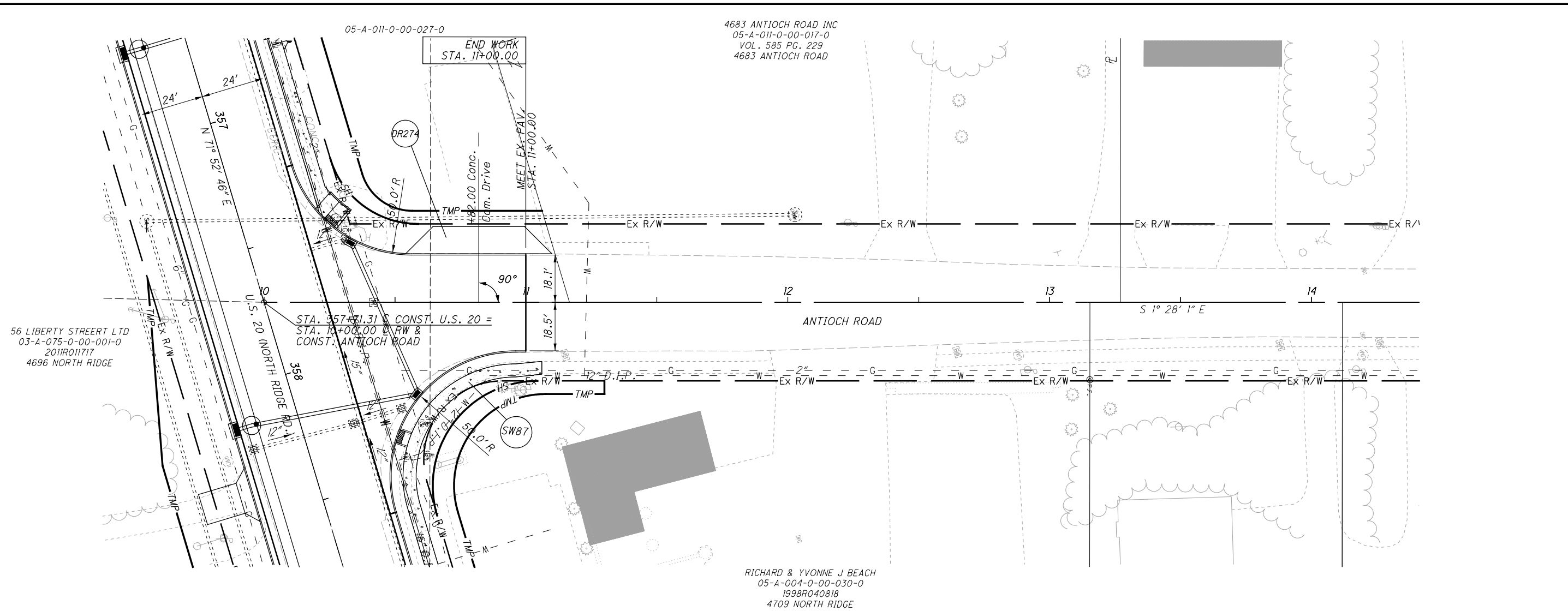
CALCULATED  
TLS  
CHECKED  
JMP

**PLAN AND PROFILE - CALL RD.  
STA. 7+00 TO STA. 10+00**

**LAK-US-20-19.59  
PART 1**

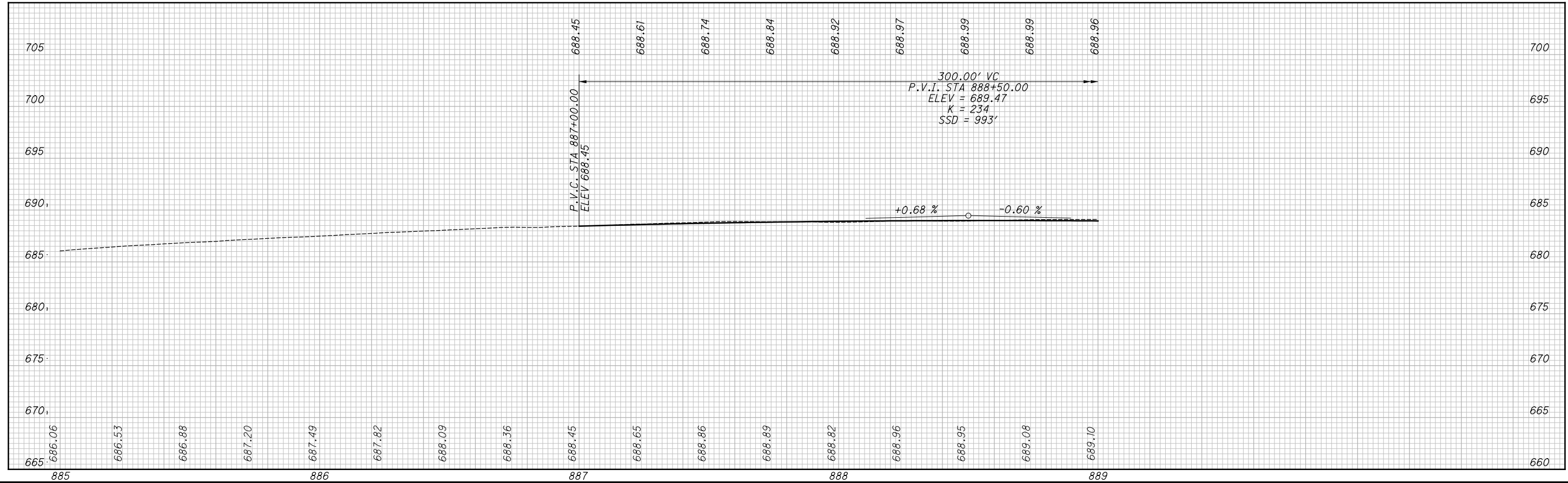
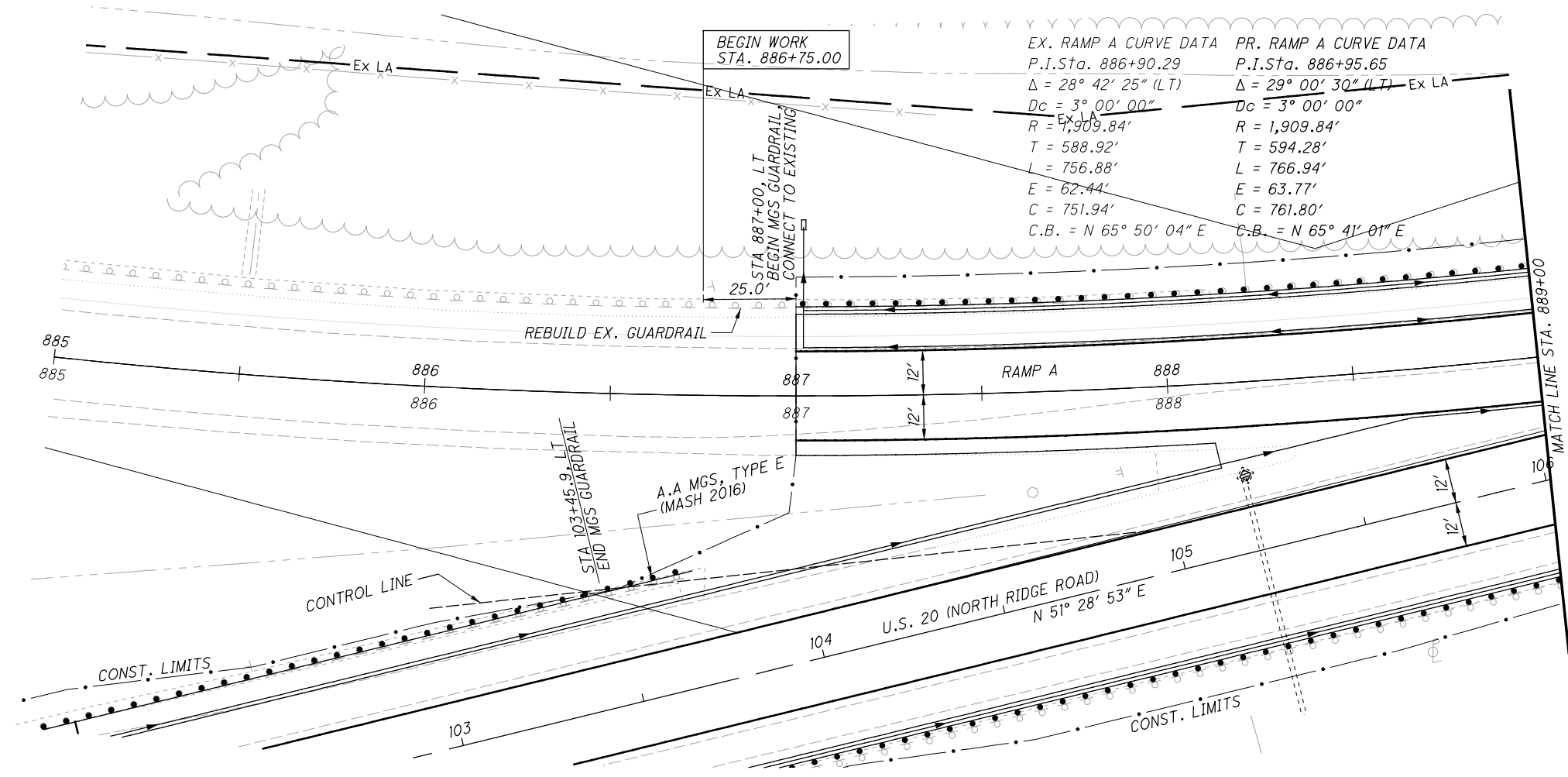
496  
1253

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**LAK-US-20-19.59**  
**PART 1**  
**PLAN AND PROFILE - ANTIOCH RD.**  
**STA. 10+00.00 TO STA. 14+00.00**

H:\2018\80743\0001\ProjectData\08865\_LAK\_20\_WEST\Design\Roadway\Sheets\08865\_GPI01\_SR2\_RAMPA.dgn Sheet 7/5/2022 3:17:04 PM Troyer



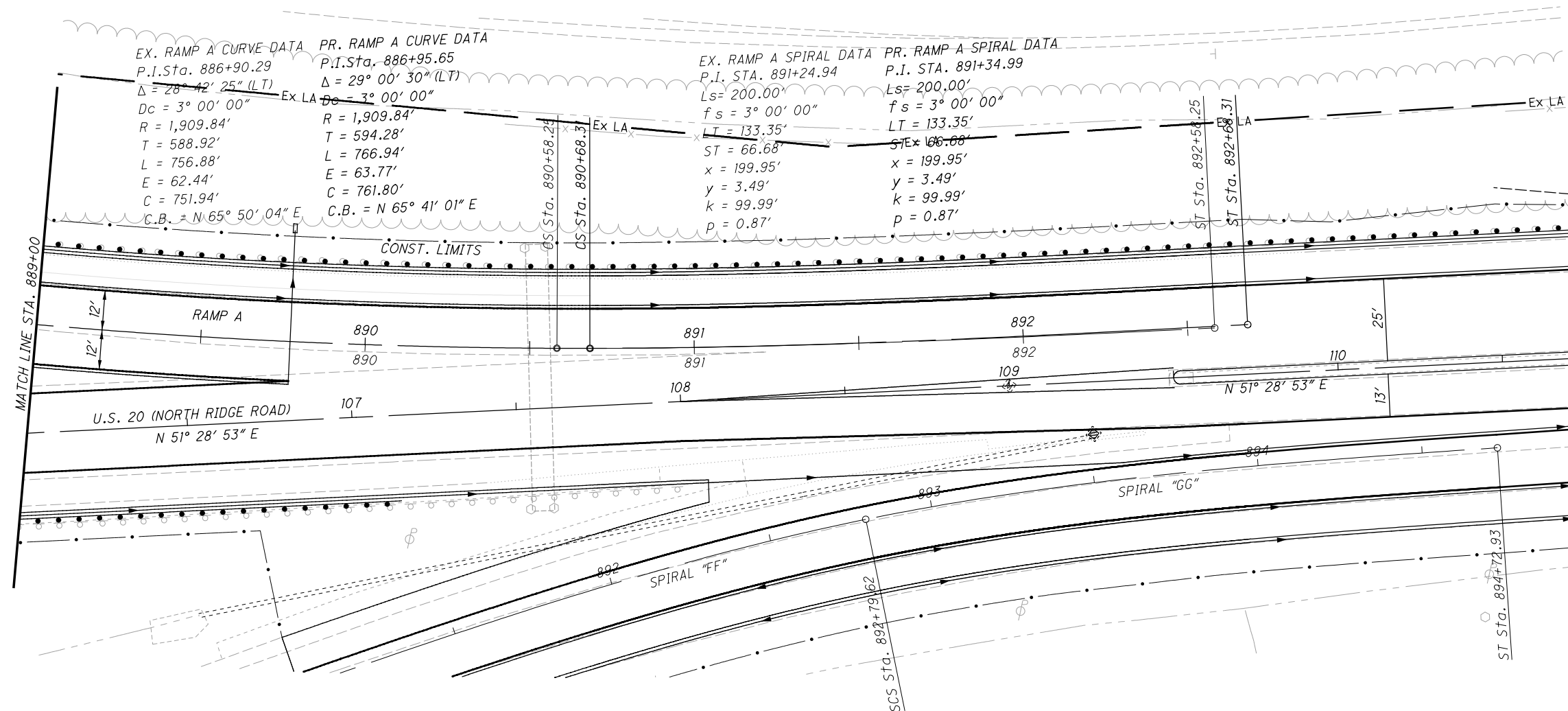
CALCULATED  
 TJS  
 CHECKED  
 JMP

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

**PLAN AND PROFILE - RAMP A**  
**STA. 885+00.00 TO 889+00.00**

**LAK-US-20-19.59**  
**PART 1**

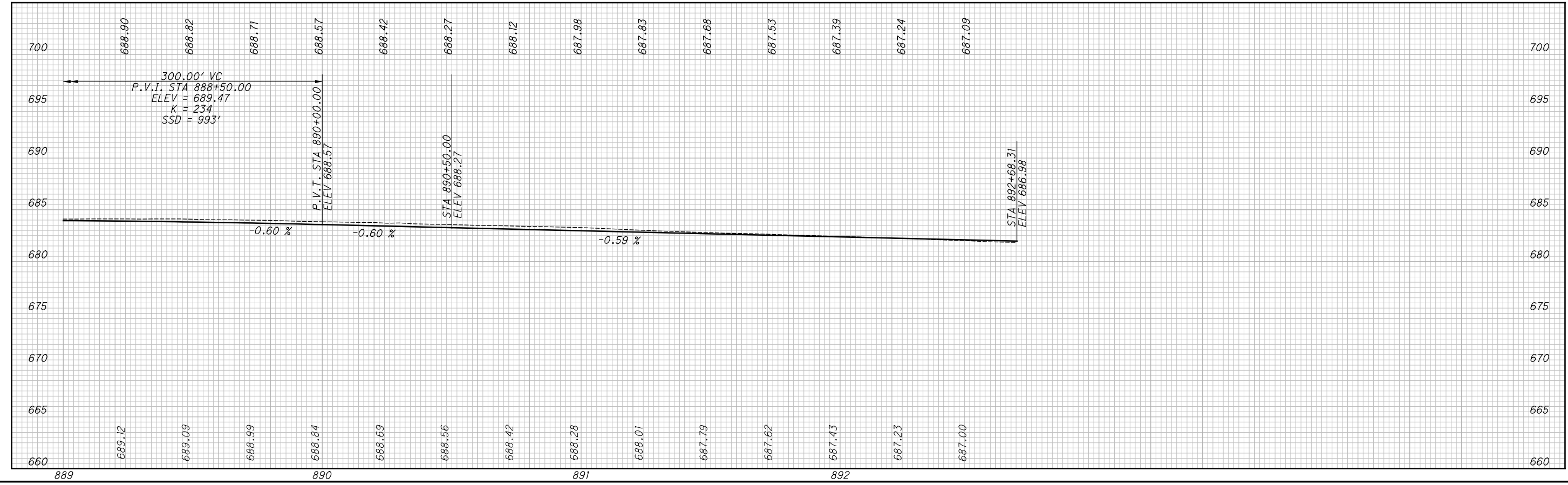
H:\2018\180743\0D01\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_GPI02\_SR2\_RAMPA.dgn Sheet 7/15/2022 3:17:05 PM troyer



<p>EX. RAMP A CURVE DATA          P.I. Sta. 886+90.29  <math>\Delta = 28^\circ 42' 25''</math> (LT)  <math>D_c = 3^\circ 00' 00''</math>  <math>R = 1,909.84'</math>  <math>T = 588.92'</math>  <math>L = 756.88'</math>  <math>E = 62.44'</math>  <math>C = 751.94'</math>  <math>C.B. = N 65^\circ 50' 04'' E</math></p>	<p>PR. RAMP A CURVE DATA          P.I. Sta. 886+95.65  <math>\Delta = 29^\circ 00' 30''</math> (LT)  <math>D_c = 3^\circ 00' 00''</math>  <math>R = 1,909.84'</math>  <math>T = 594.28'</math>  <math>L = 766.94'</math>  <math>E = 63.77'</math>  <math>C = 761.80'</math>  <math>C.B. = N 65^\circ 41' 01'' E</math></p>	<p>EX. RAMP A SPIRAL DATA          P.I. STA. 891+24.94  <math>L_s = 200.00'</math>  <math>f_s = 3^\circ 00' 00''</math>  <math>LT = 133.35'</math>  <math>ST = 66.68'</math>  <math>x = 199.95'</math>  <math>y = 3.49'</math>  <math>k = 99.99'</math>  <math>p = 0.87'</math></p>	<p>PR. RAMP A SPIRAL DATA          P.I. STA. 891+34.99  <math>L_s = 200.00'</math>  <math>f_s = 3^\circ 00' 00''</math>  <math>LT = 133.35'</math>  <math>ST = 66.68'</math>  <math>x = 199.95'</math>  <math>y = 3.49'</math>  <math>k = 99.99'</math>  <math>p = 0.87'</math></p>
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SPIRAL DATA "FF"  
 P.I. STA. 892+15.30  
 $L_s = 193.32'$   
 $f_s = 7^\circ 40' 01''$   
 $LT = 129.00'$   
 $ST = 64.55'$   
 $x = 192.97'$   
 $y = 8.61'$   
 $k = 96.60'$   
 $p = 2.15'$

SPIRAL DATA "GG"  
 P.I. STA. 893+44.17  
 $L_s = 193.31'$   
 $f_s = 7^\circ 39' 59''$   
 $LT = 128.99'$   
 $ST = 64.55'$   
 $x = 192.96'$   
 $y = 8.61'$   
 $k = 96.60'$   
 $p = 2.15'$

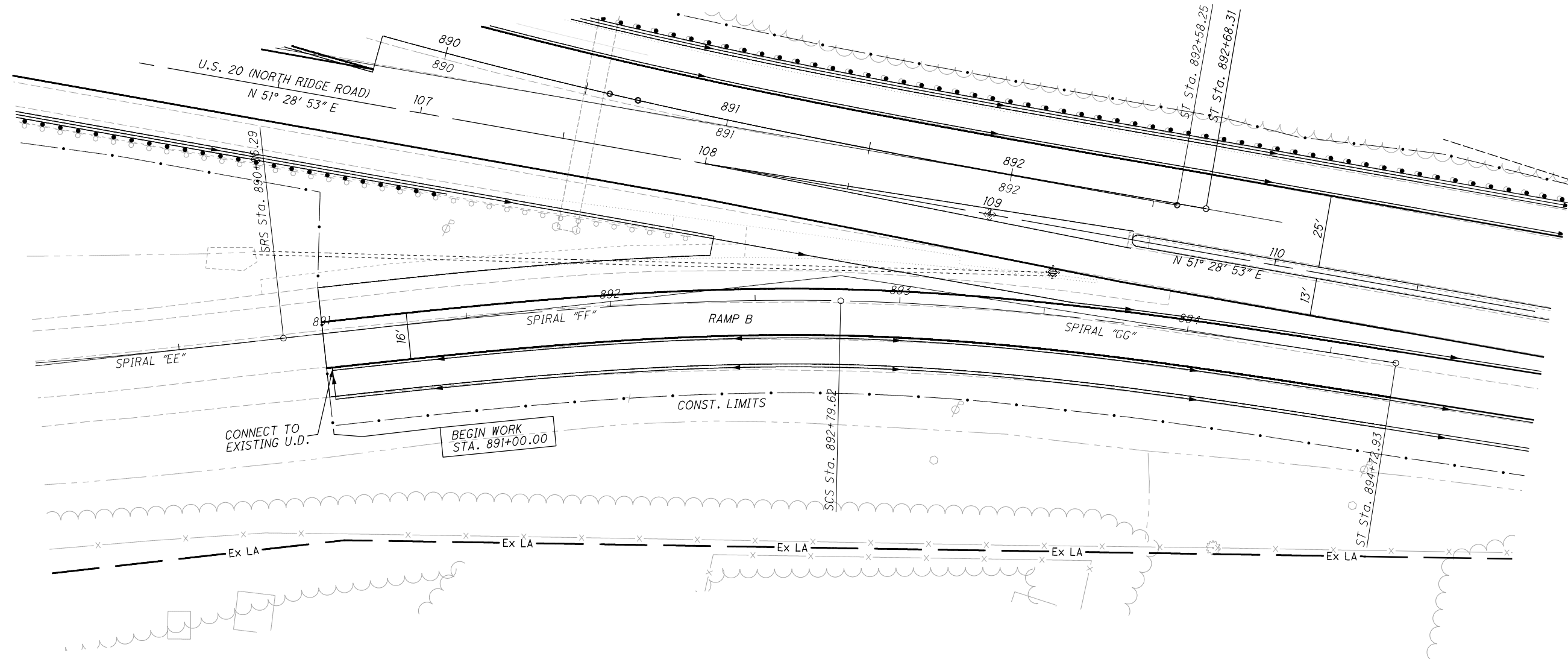


CALCULATED  
 TJS  
 CHECKED  
 JMP

**PLAN AND PROFILE - RAMP A**  
**STA. 889+00.00 TO 892+68.31**

**LAK-US-20-19.59**  
**PART 1**

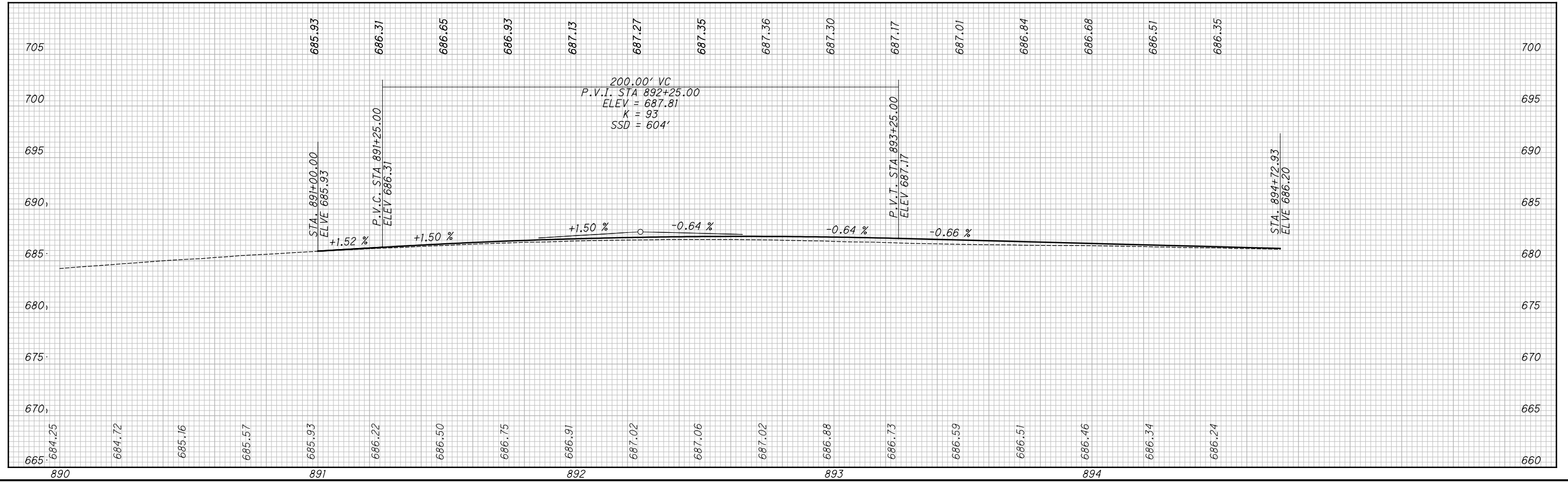
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**SPIRAL DATA "EE"**  
P.I. STA. 889+86.35  
 $L_s = 150.00'$   
 $f_s = 6^\circ 00' 00''$   
 $LT = 100.06'$   
 $ST = 50.05'$   
 $x = 149.84'$   
 $y = 5.23'$   
 $k = 74.97'$   
 $p = 1.31'$

**SPIRAL DATA "FF"**  
P.I. STA. 892+15.30  
 $L_s = 193.32'$   
 $f_s = 7^\circ 40' 01''$   
 $LT = 129.00'$   
 $ST = 64.55'$   
 $x = 192.97'$   
 $y = 8.61'$   
 $k = 96.60'$   
 $p = 2.15'$

**SPIRAL DATA "GG"**  
P.I. STA. 893+44.17  
 $L_s = 193.31'$   
 $f_s = 7^\circ 39' 59''$   
 $LT = 128.99'$   
 $ST = 64.55'$   
 $x = 192.96'$   
 $y = 8.61'$   
 $k = 96.60'$   
 $p = 2.15'$



10 HORIZONTAL SCALE IN FEET

CALCULATED	TLS	CHECKED	JMP

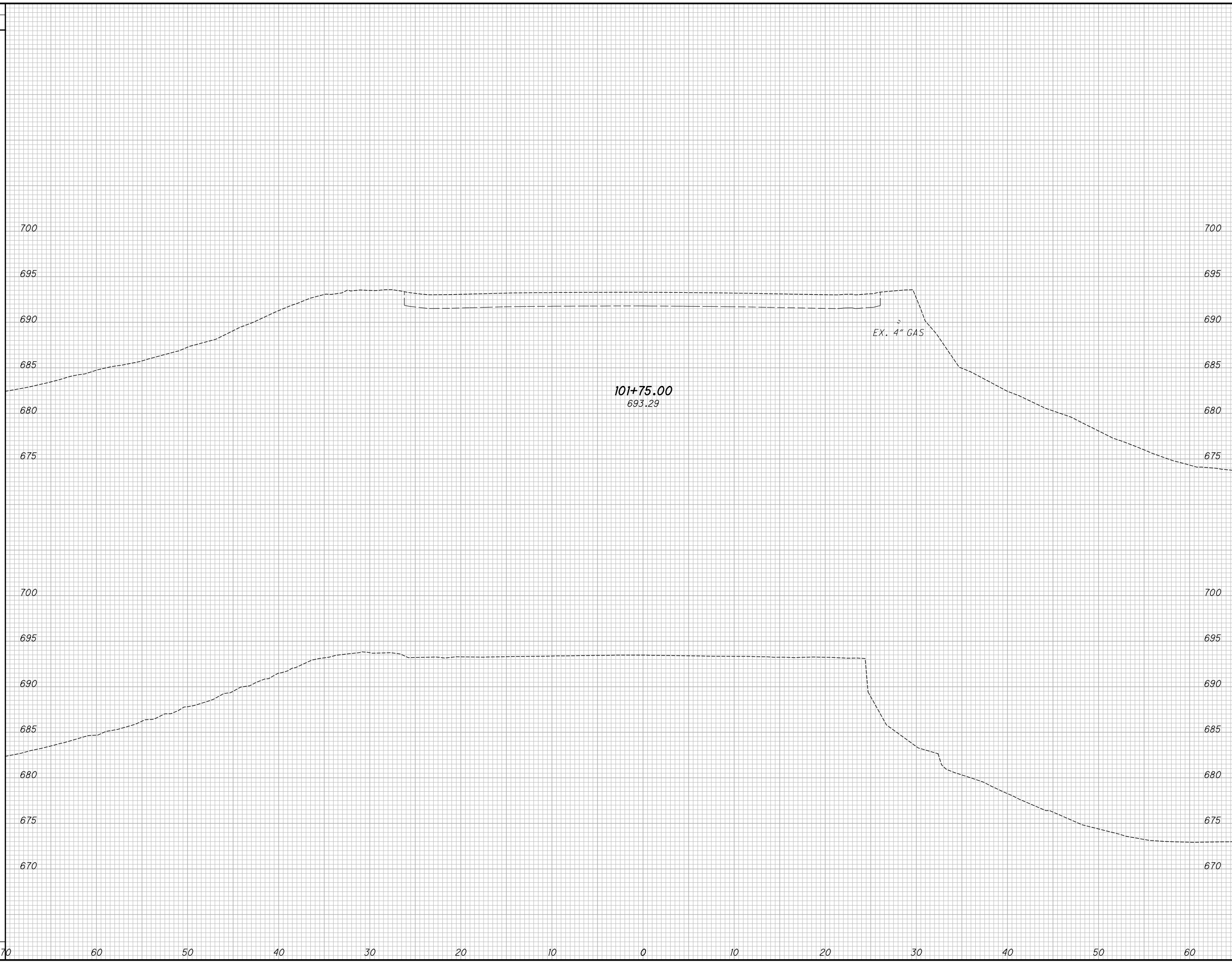
**PLAN AND PROFILE - RAMP B**

**STA. 890+00.00 TO 894+72.93**

**LAK-US-20-19.59**

**PART 1**

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET temporary\_model\_name\_1 7/15/2022 3:17:13 PM troyer

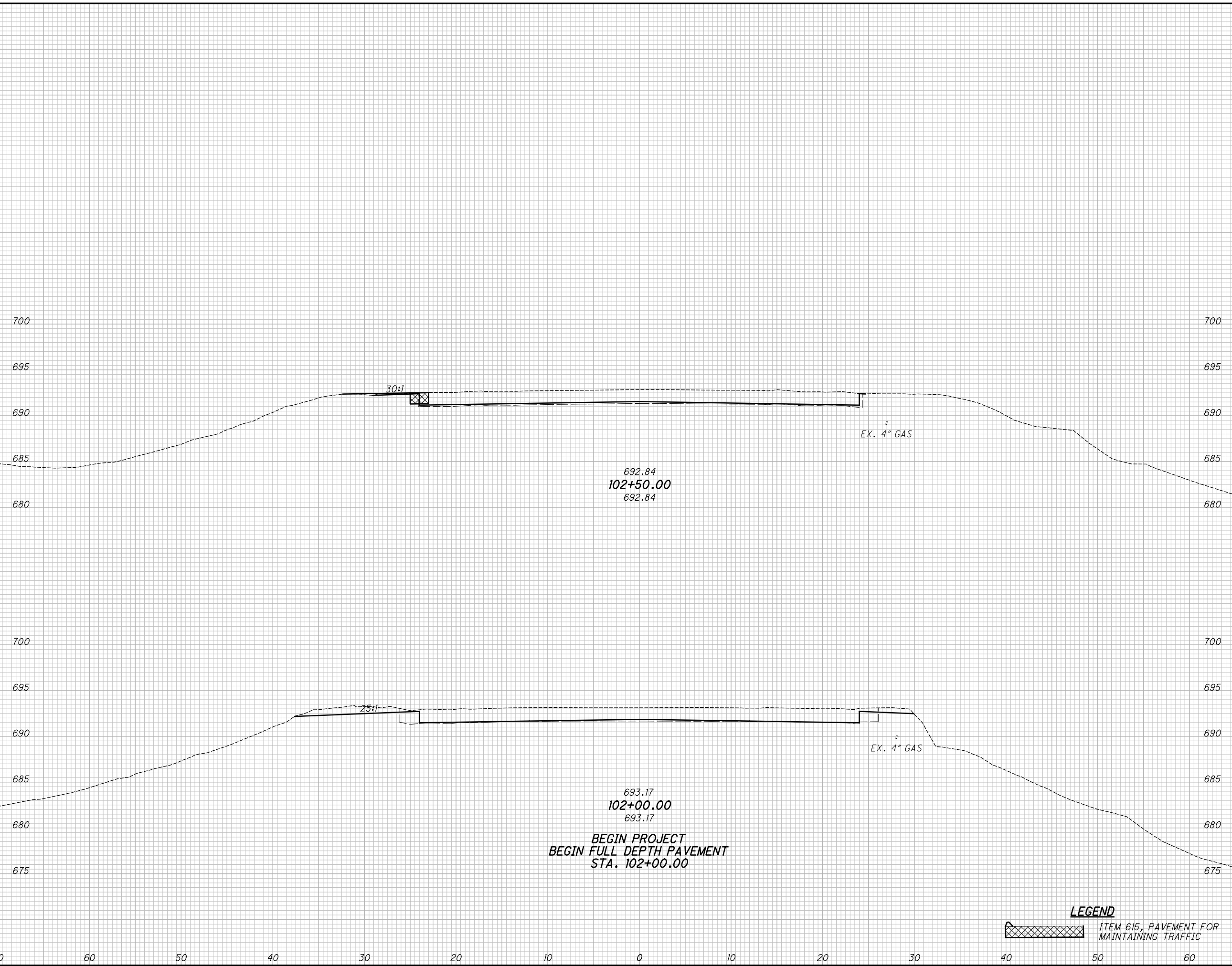


SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	TLS	JMP	TLS	JMP
<b>LAK-US-20-19.59</b> <b>CROSS SECTIONS U.S. 20</b> <b>PART 1</b> <b>STA. 101+50.00 TO STA. 101+75.00</b>									
						501	1253		



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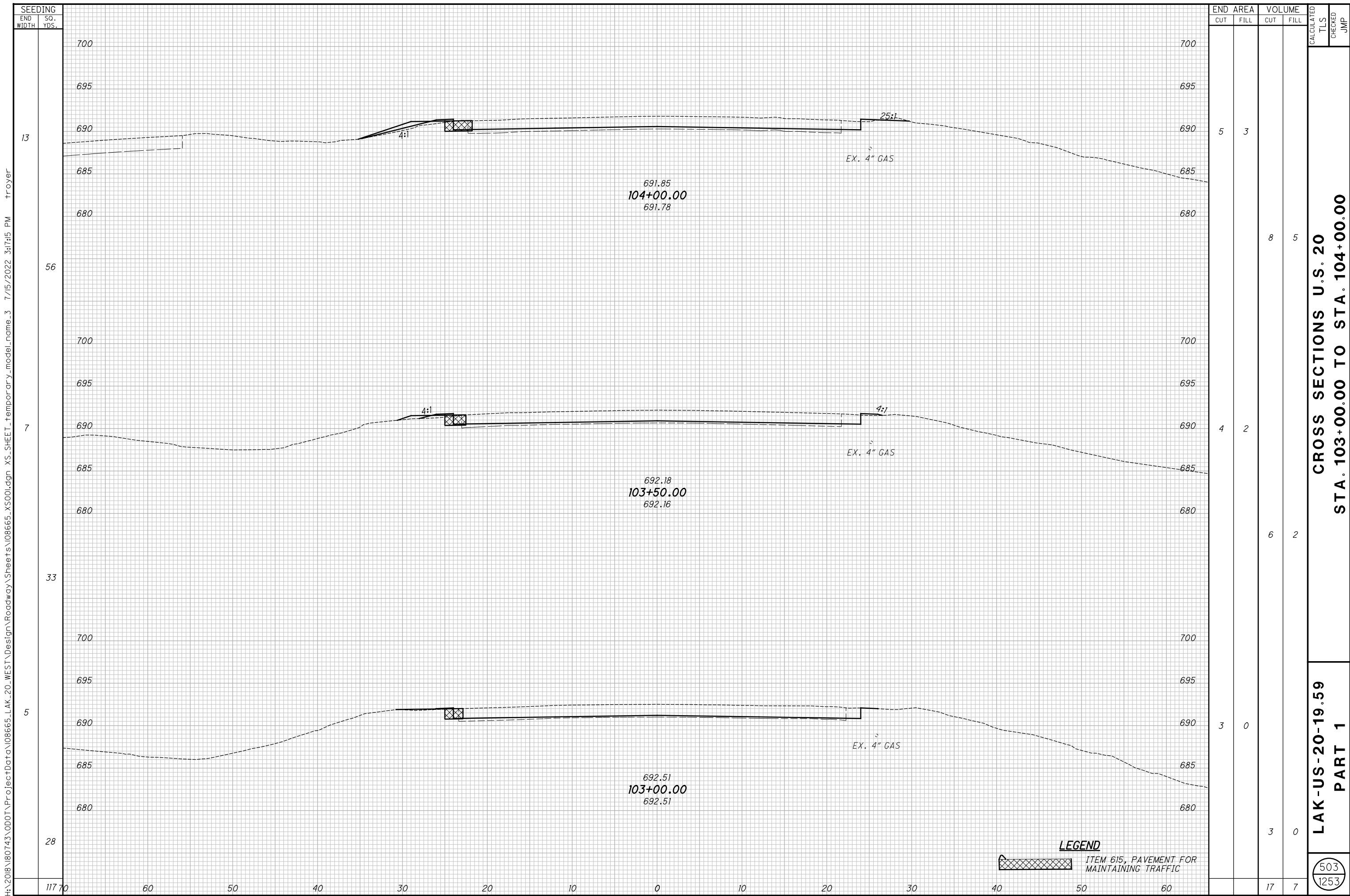
SEEDING	
END WIDTH	SO. YDS.
83	70
60	50
40	30
20	10
0	0
20	10
40	30
60	50
83	70



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0	8	0
9	0	7	0
		15	0

**CROSS SECTIONS U.S. 20**  
**STA. 102+00.00 TO STA. 102+50.00**  
**LAK-US-20-19.59**  
**PART 1**  
 CALCULATED TLS  
 CHECKED JMP  
 502  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



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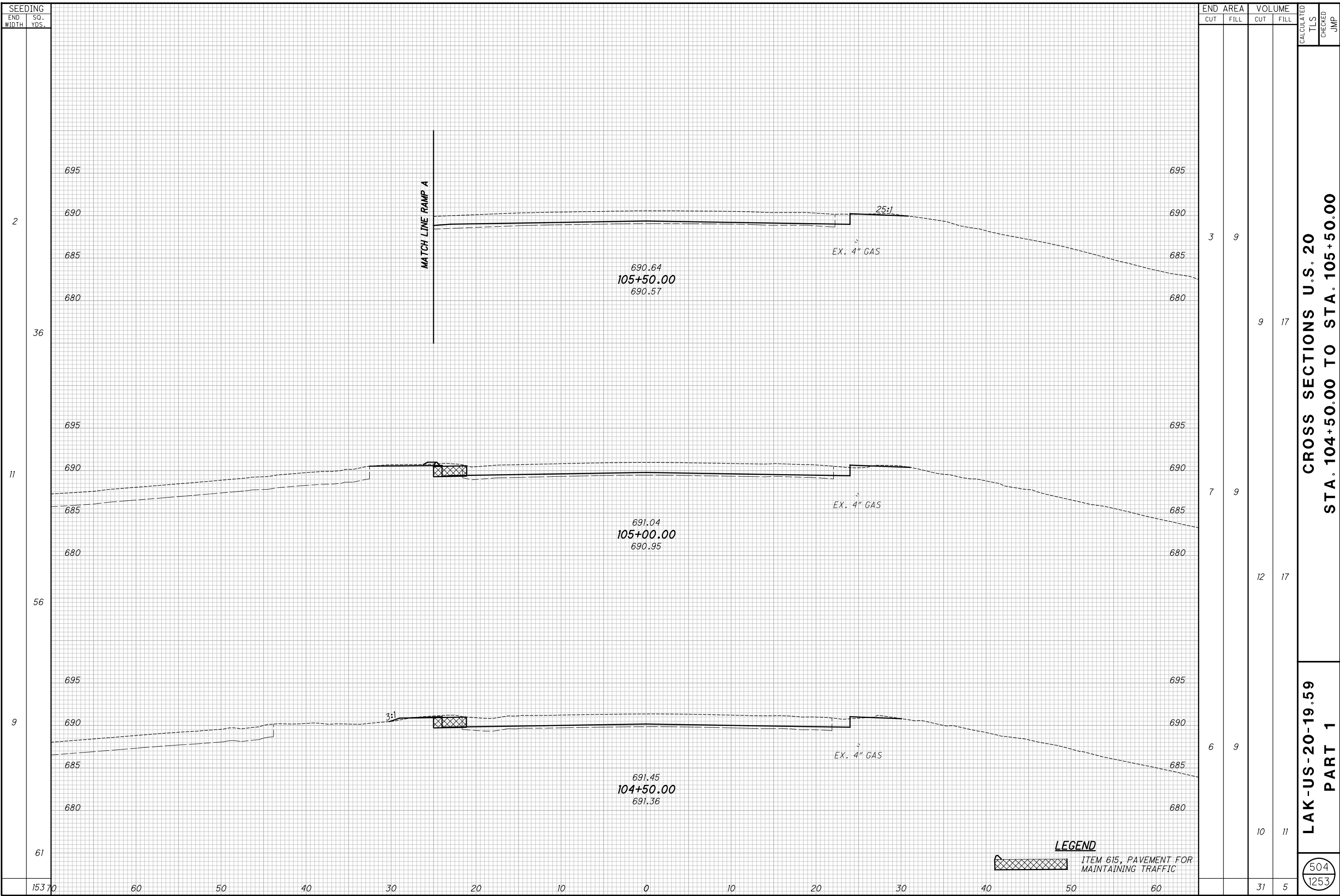
CROSS SECTIONS U.S. 20  
STA. 103+00.00 TO STA. 104+00.00

LAK-US-20-19.59  
PART 1

503  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING	
END WIDTH	SO. YDS.
2	36
11	56
9	61

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
3	9	9	17		
7	9	12	17		
6	9	10	11		
		31	5		

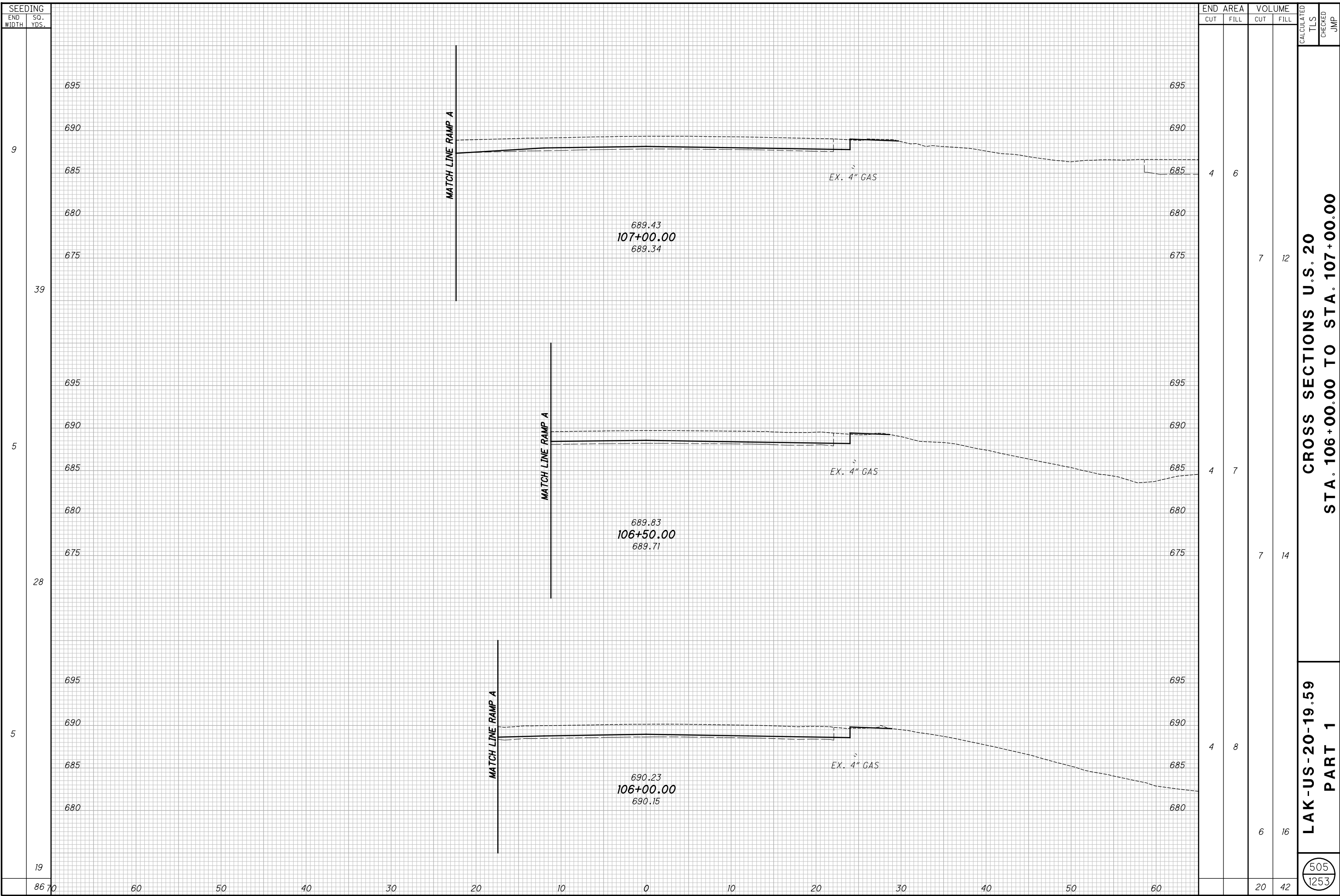
**CROSS SECTIONS U.S. 20  
STA. 104+50.00 TO STA. 105+50.00**

**LAK-US-20-19.59  
PART 1**

504  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR  
MAINTAINING TRAFFIC

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CROSS SECTIONS U.S. 20  
STA. 106+00.00 TO STA. 107+00.00

LAK-US-20-19.59  
PART 1

505  
1253

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END AREA	VOLUME	CALCULATED	CHECKED	JMP
11	11			
	22	13		
13	3			
	20	6		
9	4			
	12	12		
	54	31		

**CROSS SECTIONS U.S. 20  
STA. 107+50.00 TO STA. 108+50.00**

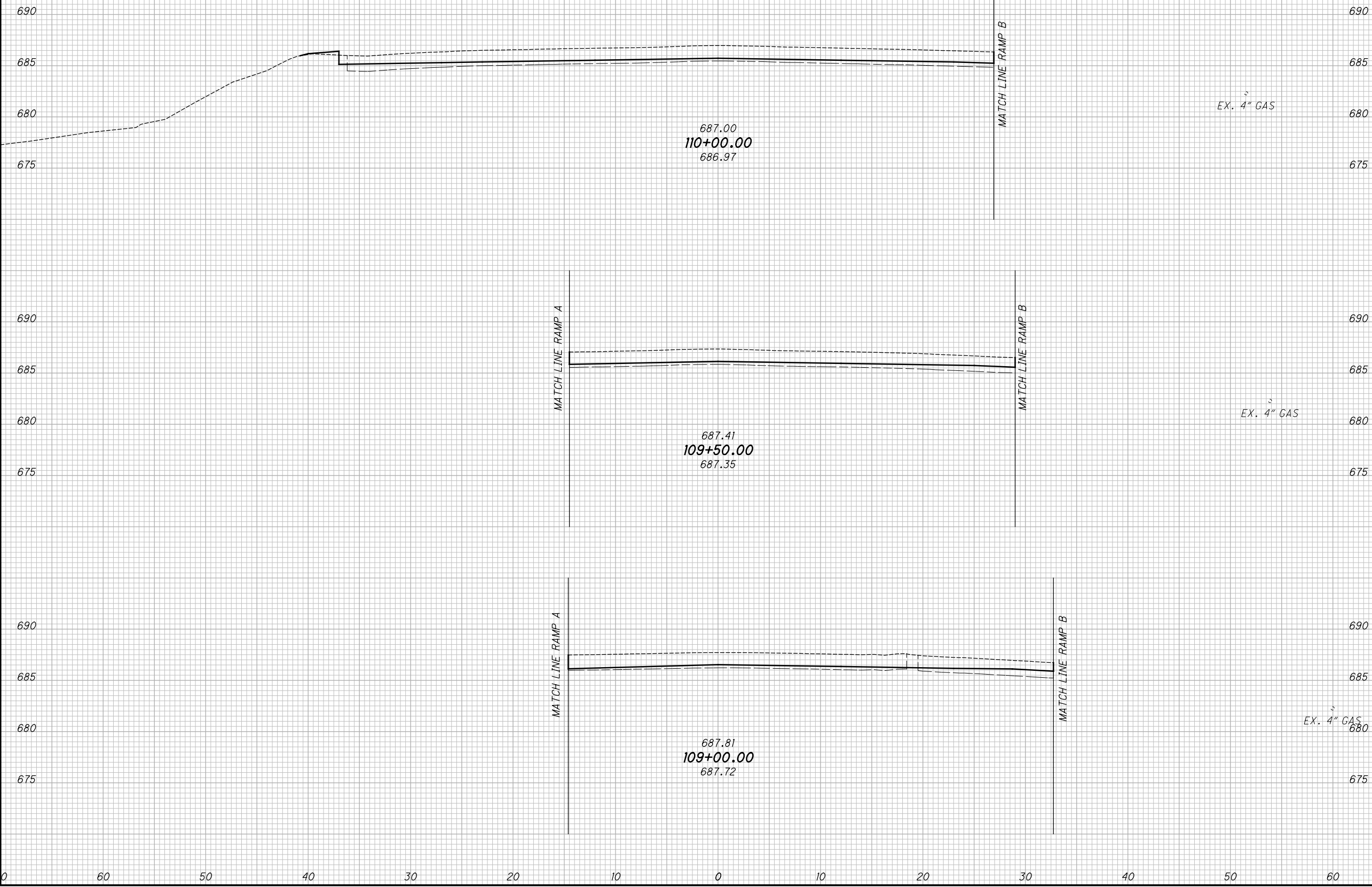
**LAK-US-20-19.59  
PART 1**

506  
1253

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SEEDING

END WIDTH	SO. YDS.
70	4



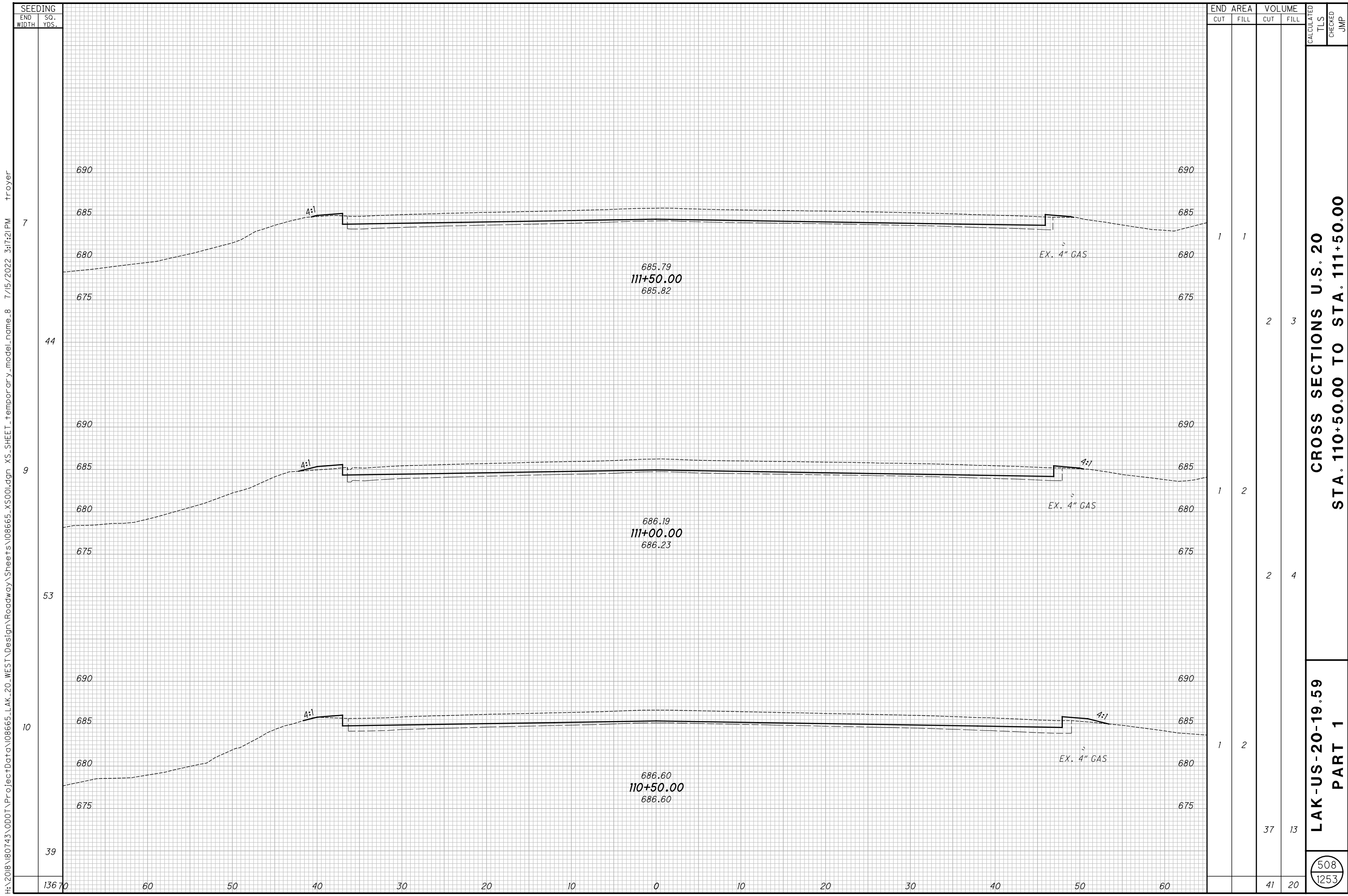
END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	12	0	19
0	8	2	15
2	8	12	18
		14	52

CALCULATED	CHECKED
TLS	JMP

**CROSS SECTIONS U.S. 20  
STA. 109+00.00 TO STA. 110+00.00**

**LAK-US-20-19.59  
PART 1**

507  
1253



SEEDING  
END SO.  
WIDTH YDS.  
7  
44  
9  
53  
10  
39  
136 70 60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
1	1	2	3		
1	2	2	4		
1	2	37	13		
		41	20		

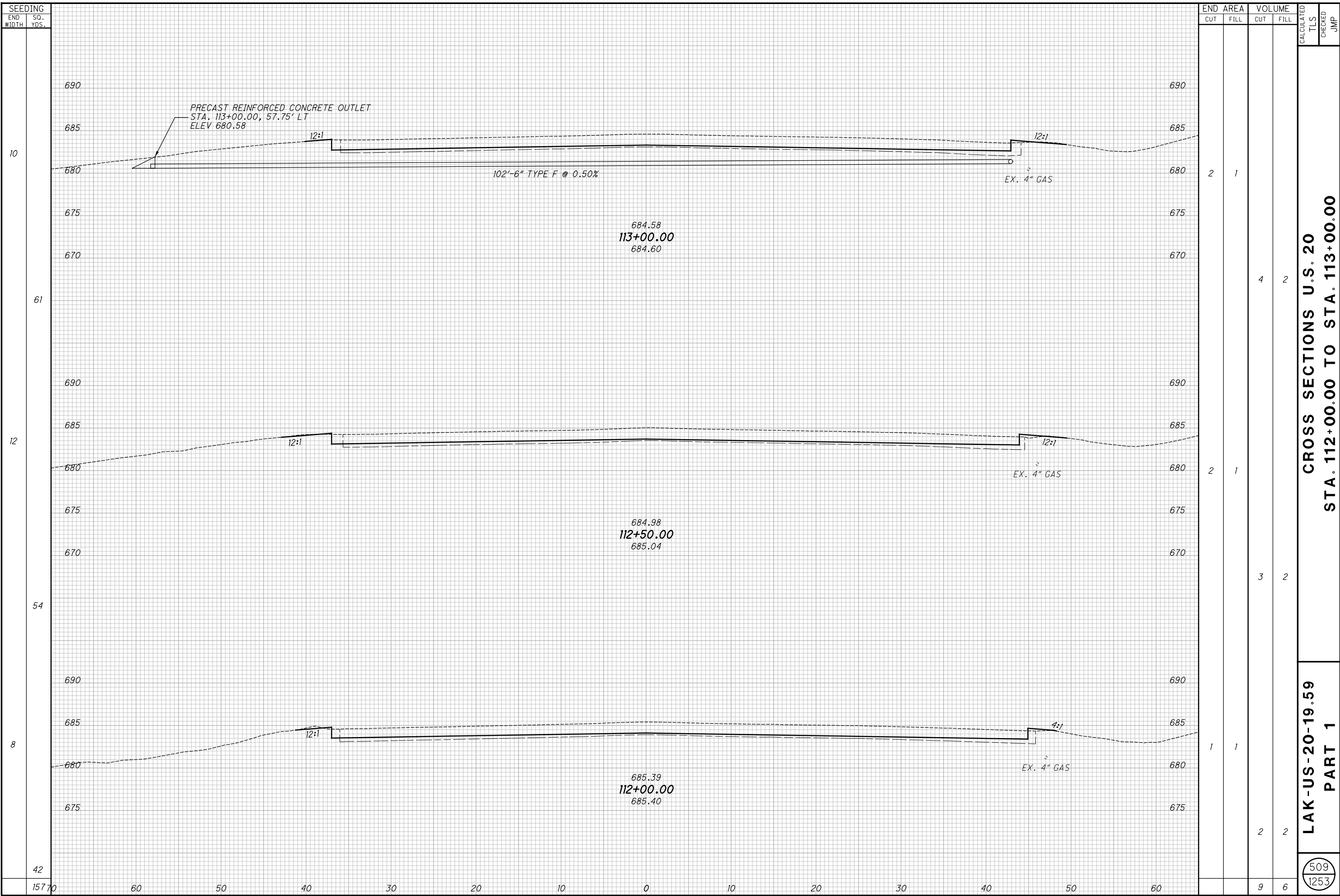
CROSS SECTIONS U.S. 20  
STA. 110+50.00 TO STA. 111+50.00

LAK-US-20-19.59  
PART 1

508  
1253

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**CROSS SECTIONS U.S. 20  
STA. 112+00.00 TO STA. 113+00.00**

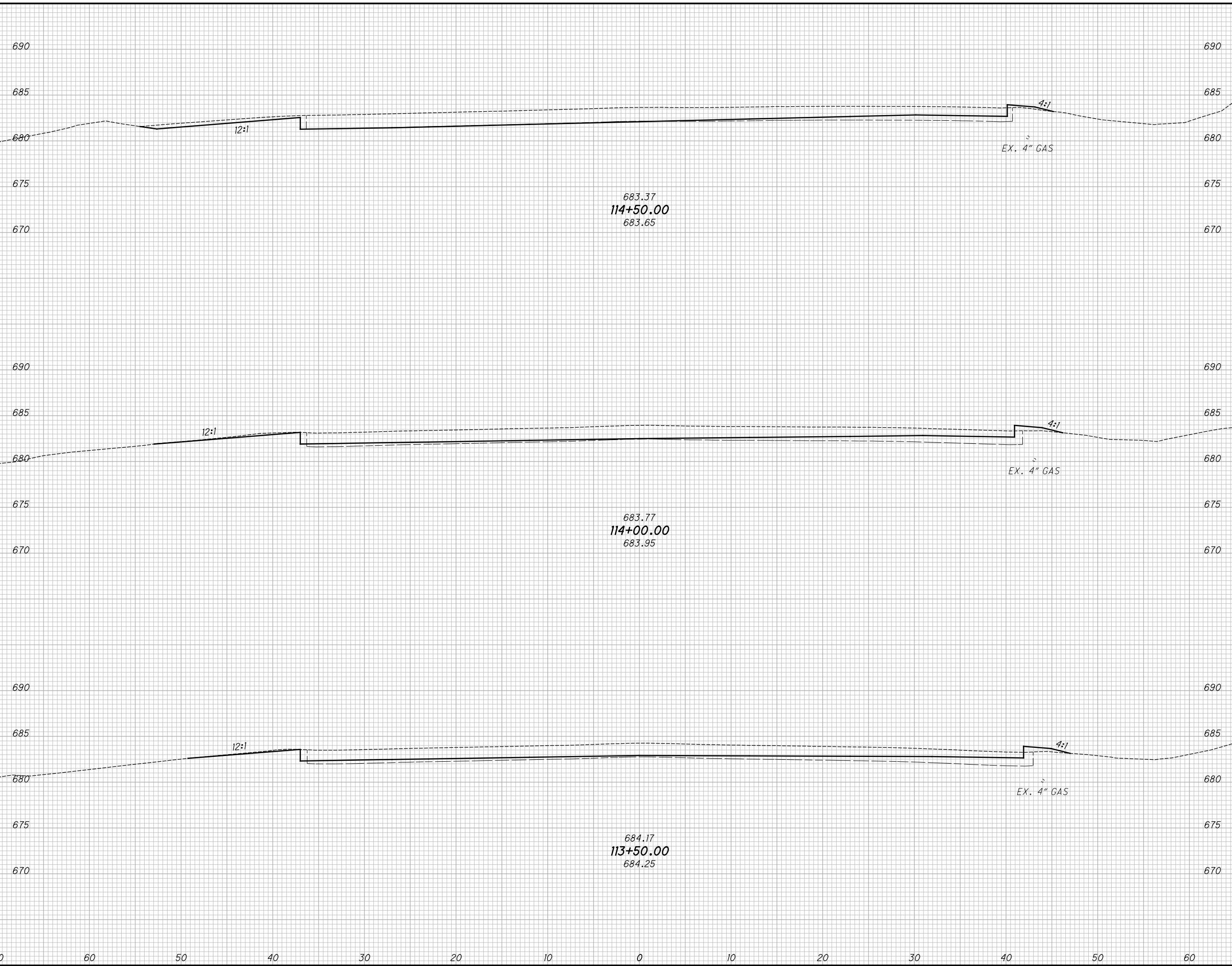
**LAK-US-20-19.59  
PART 1**

509  
1253



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SEEDING	
END WIDTH	SO. YDS.
30870	78
60	18
50	21
40	122
30	23
20	
10	
0	
10	
20	
30	
40	
50	
60	

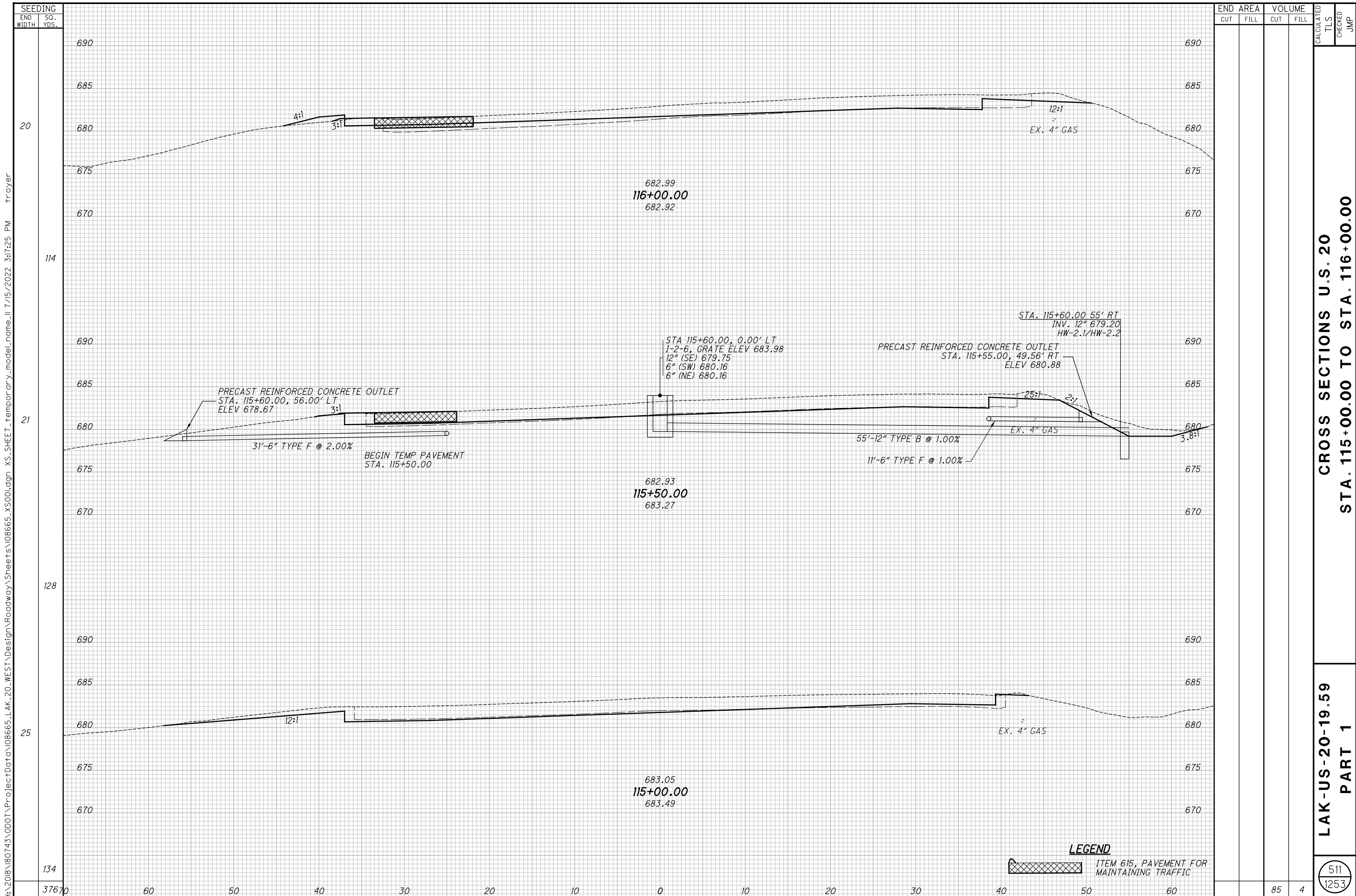


END AREA		VOLUME	
CUT	FILL	CUT	FILL
		17	10

**CROSS SECTIONS U.S. 20**  
**STA. 113+50.00 TO STA. 114+50.00**

**LAK-US-20-19.59**  
**PART 1**

510
1253



SEEDING	
END WIDTH	SO. YDS.
20	114
21	128
25	134
376	70

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
		85	4		

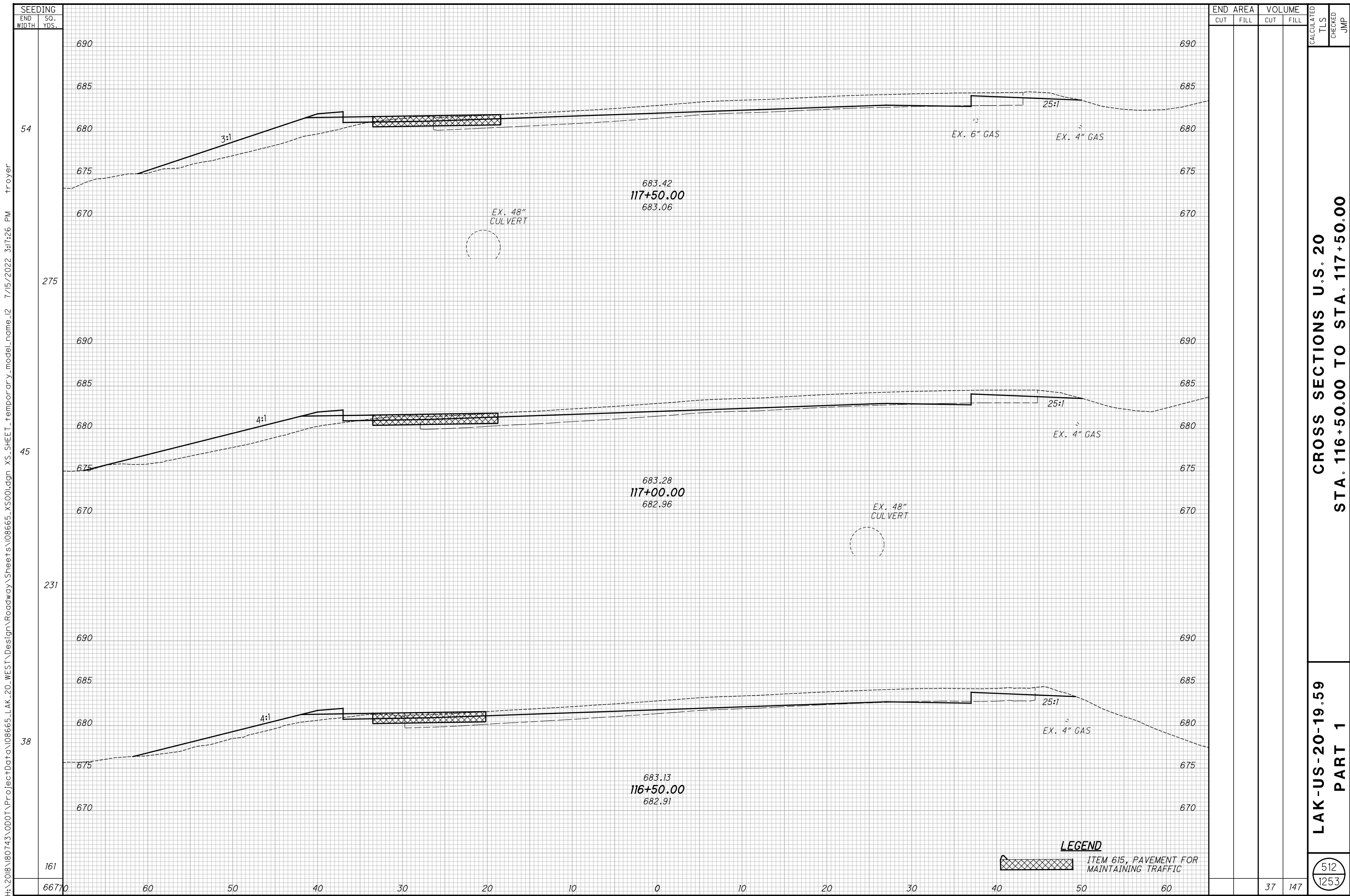
**CROSS SECTIONS U.S. 20**  
**STA. 115+00.00 TO STA. 116+00.00**

**LAK-US-20-19.59**  
**PART 1**

511  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
		37	147		

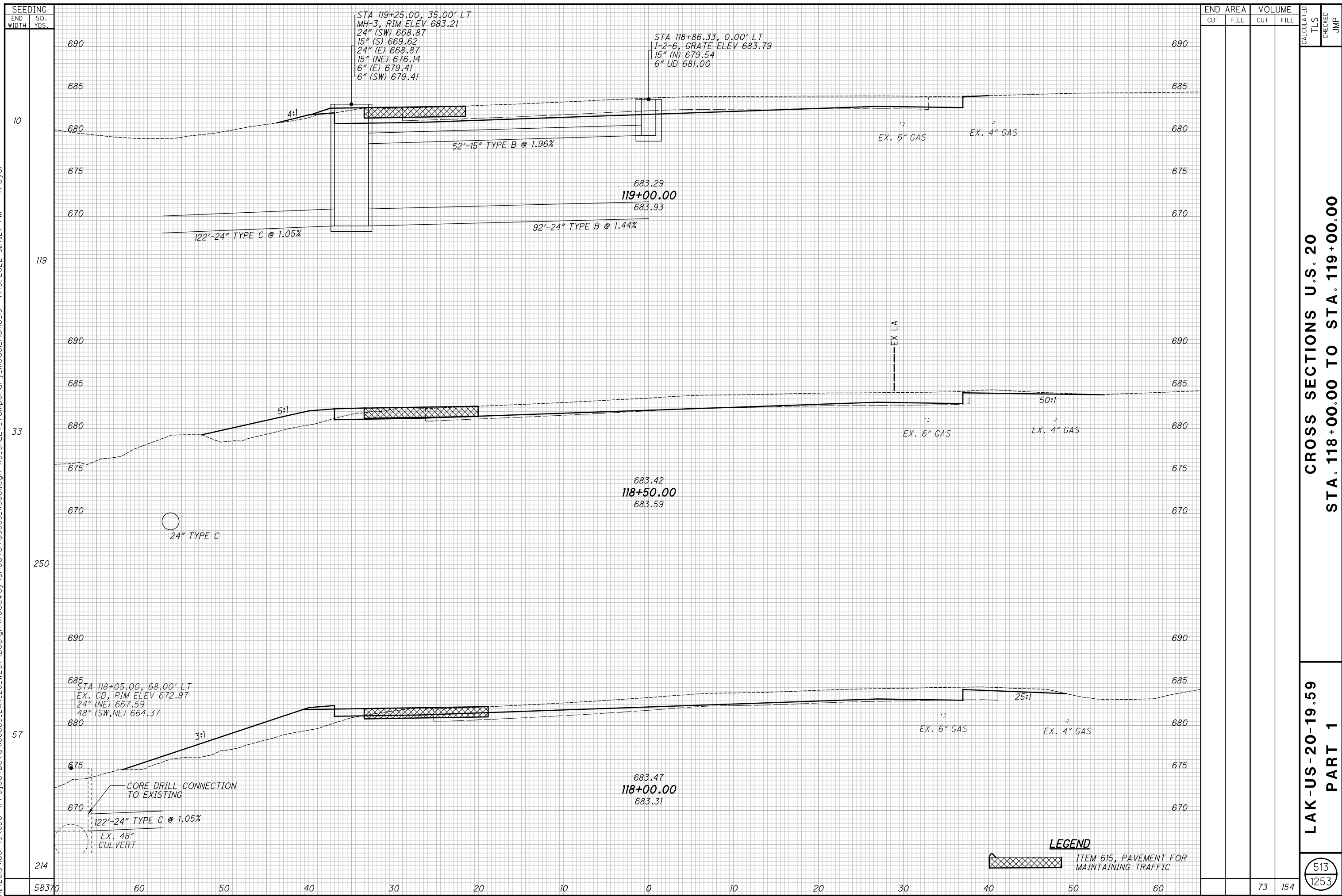
**LAK-US-20-19.59**  
**PART 1**

**CROSS SECTIONS U.S. 20**  
**STA. 116+50.00 TO STA. 117+50.00**

512  
1253

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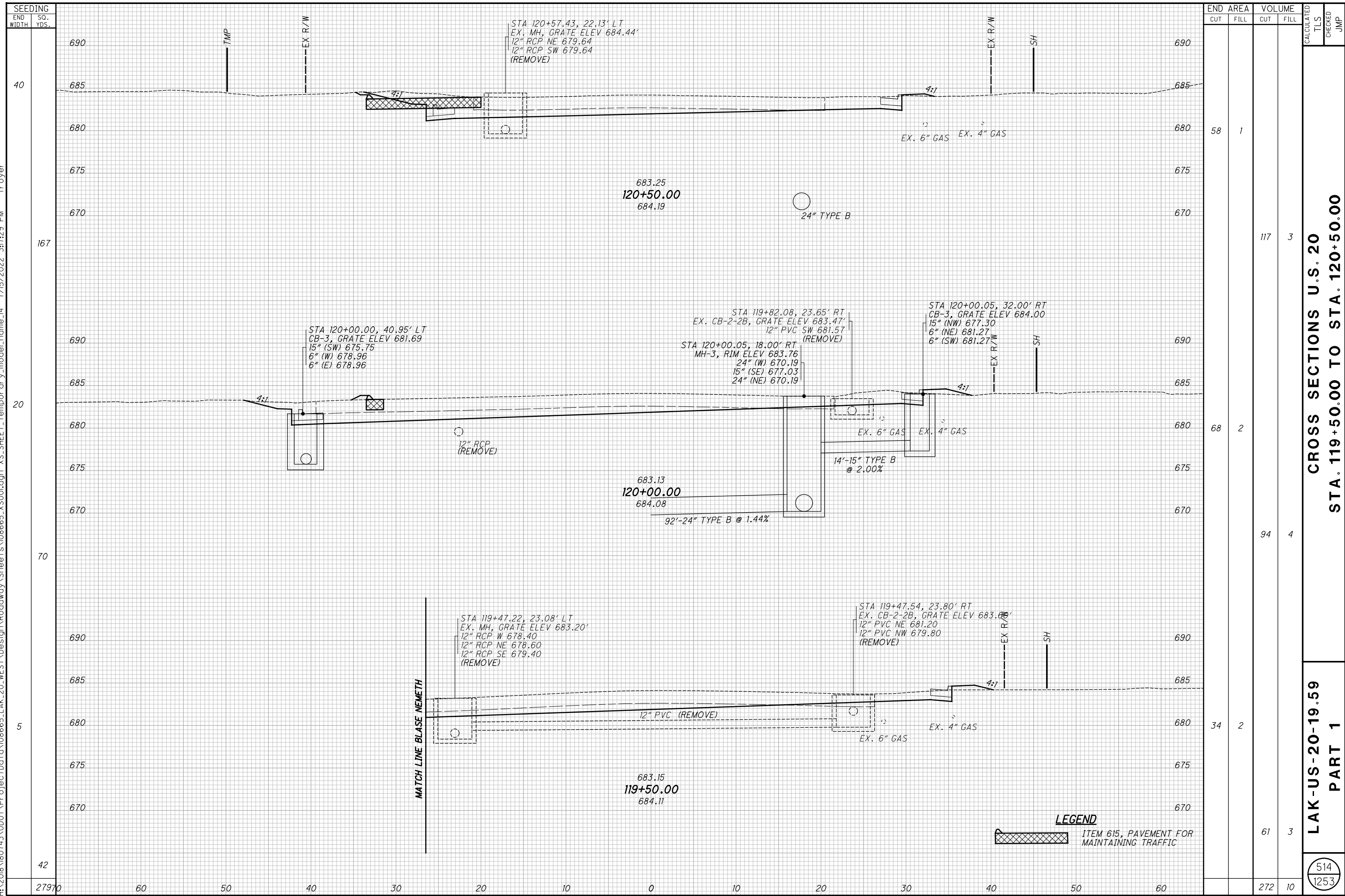
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CROSS SECTIONS U.S. 20  
STA. 118+00.00 TO STA. 119+00.00

LAK-US-20-19.59  
PART 1

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SEEDING		END AREA		VOLUME		CALCULATED		
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	TLS	CHECKED	JMP
40	167	58	1	117	3			
20	70	68	2	94	4			
5	42	34	2	61	3			
	27970			272	10			

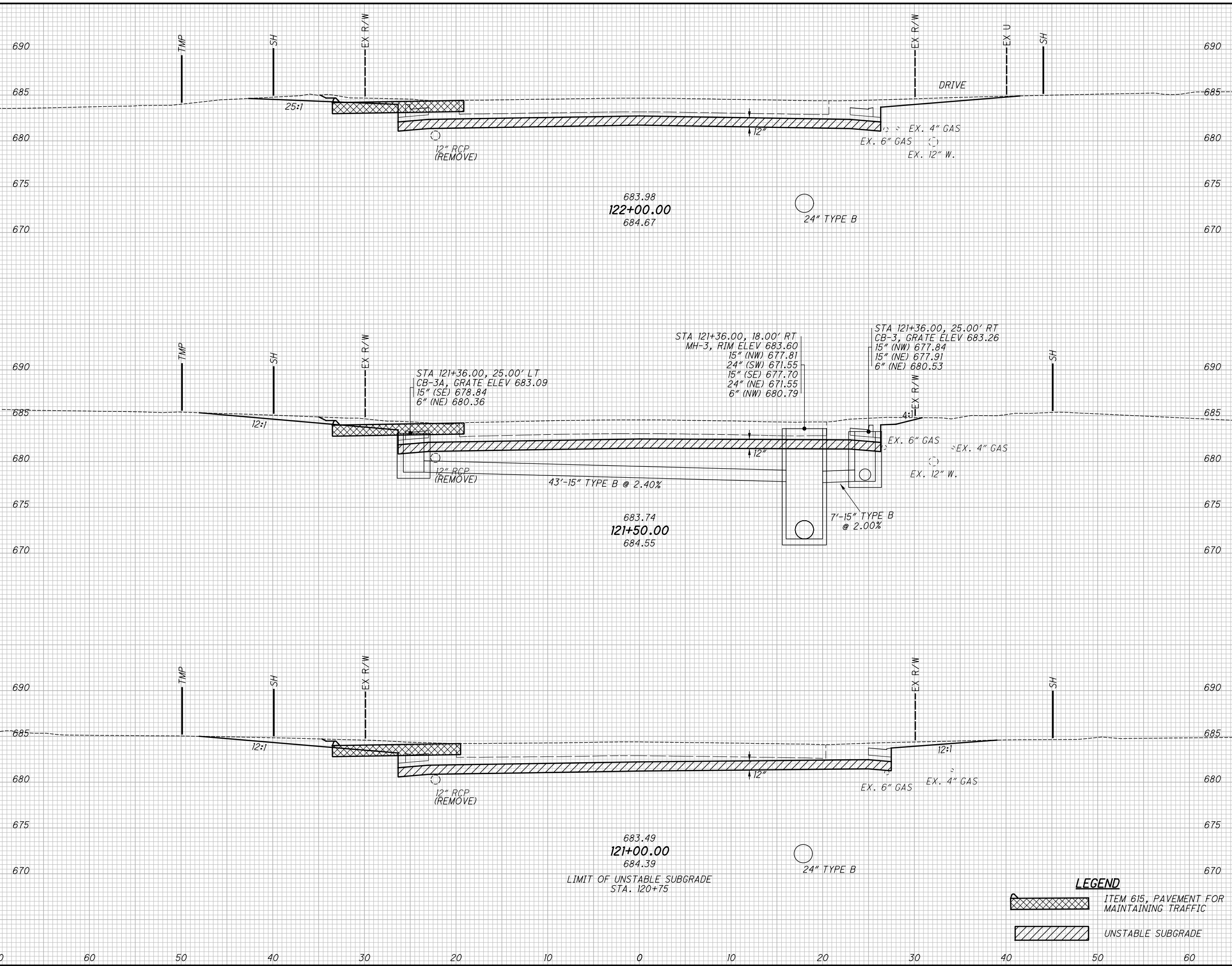
CROSS SECTIONS U.S. 20  
STA. 119+50.00 TO STA. 120+50.00

LAK-US-20-19.59  
PART 1

514  
1253

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SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
42	61	0	117	0			
43	65	0	126	0			
42	71	0	119	1			
228			362	1			

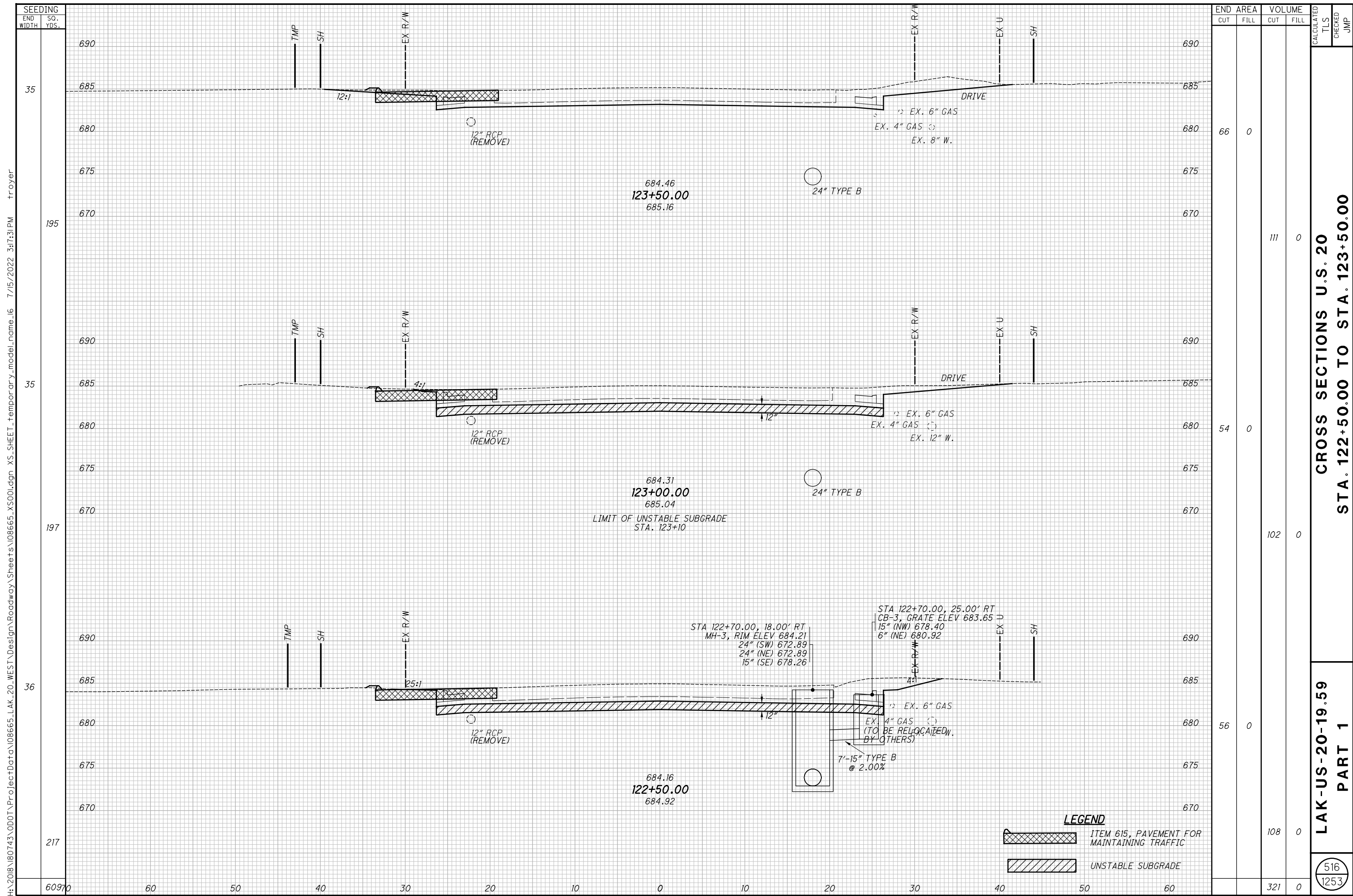


**LEGEND**

ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

UNSTABLE SUBGRADE

**CROSS SECTIONS U.S. 20**  
**STA. 121+00.00 TO STA. 122+00.00**  
**LAK-US-20-19.59**  
**PART 1**  
 515  
 1253



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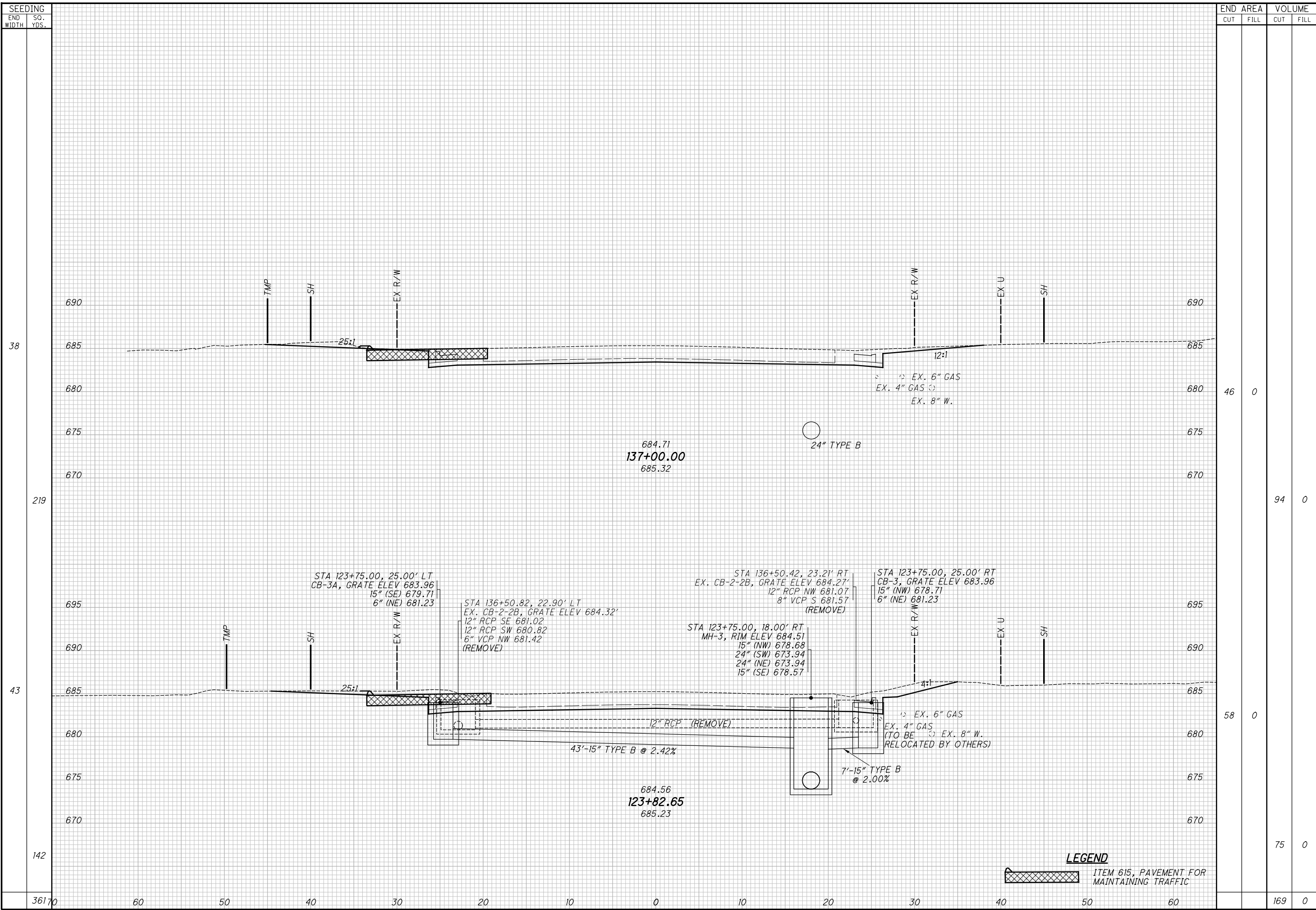
**CROSS SECTIONS U.S. 20**  
**STA. 122+50.00 TO STA. 123+50.00**

**LAK-US-20-19.59**  
**PART 1**

516  
1253

STATION	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
123+50.00	66	0	0	0		
123+00.00	54	0	0	0		
122+50.00	56	0	0	0		
<b>TOTAL</b>	<b>176</b>	<b>0</b>	<b>0</b>	<b>0</b>		

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SEEDING	
END WIDTH	SO. YDS.
38	219
43	142
361	70

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
46	0	94	0		
58	0	75	0		
		169	0		

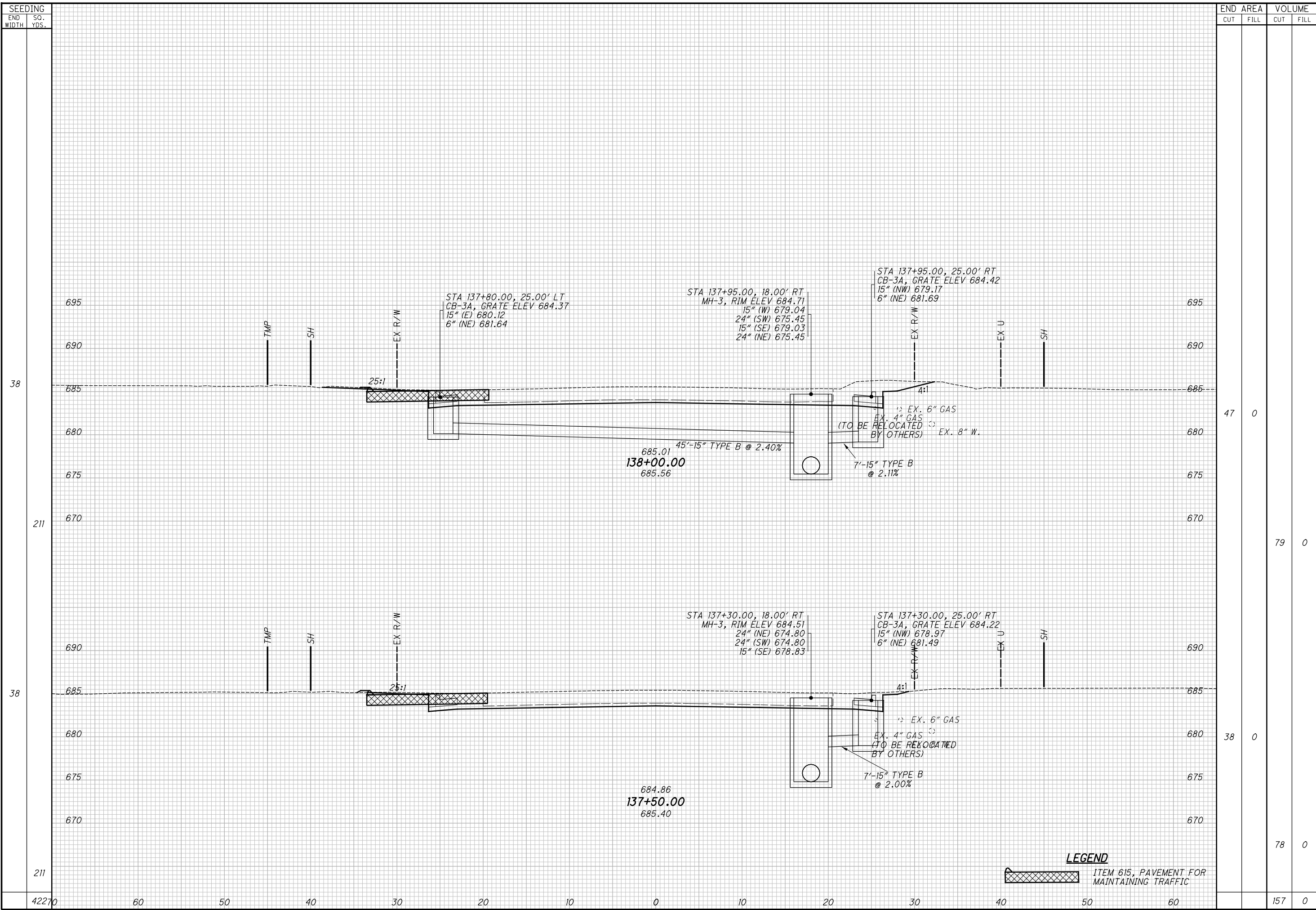
CROSS SECTIONS U.S. 20  
STA. 136+51.41 TO STA. 137+00.00

LAK-US-20-19.59  
PART 1

517  
1253



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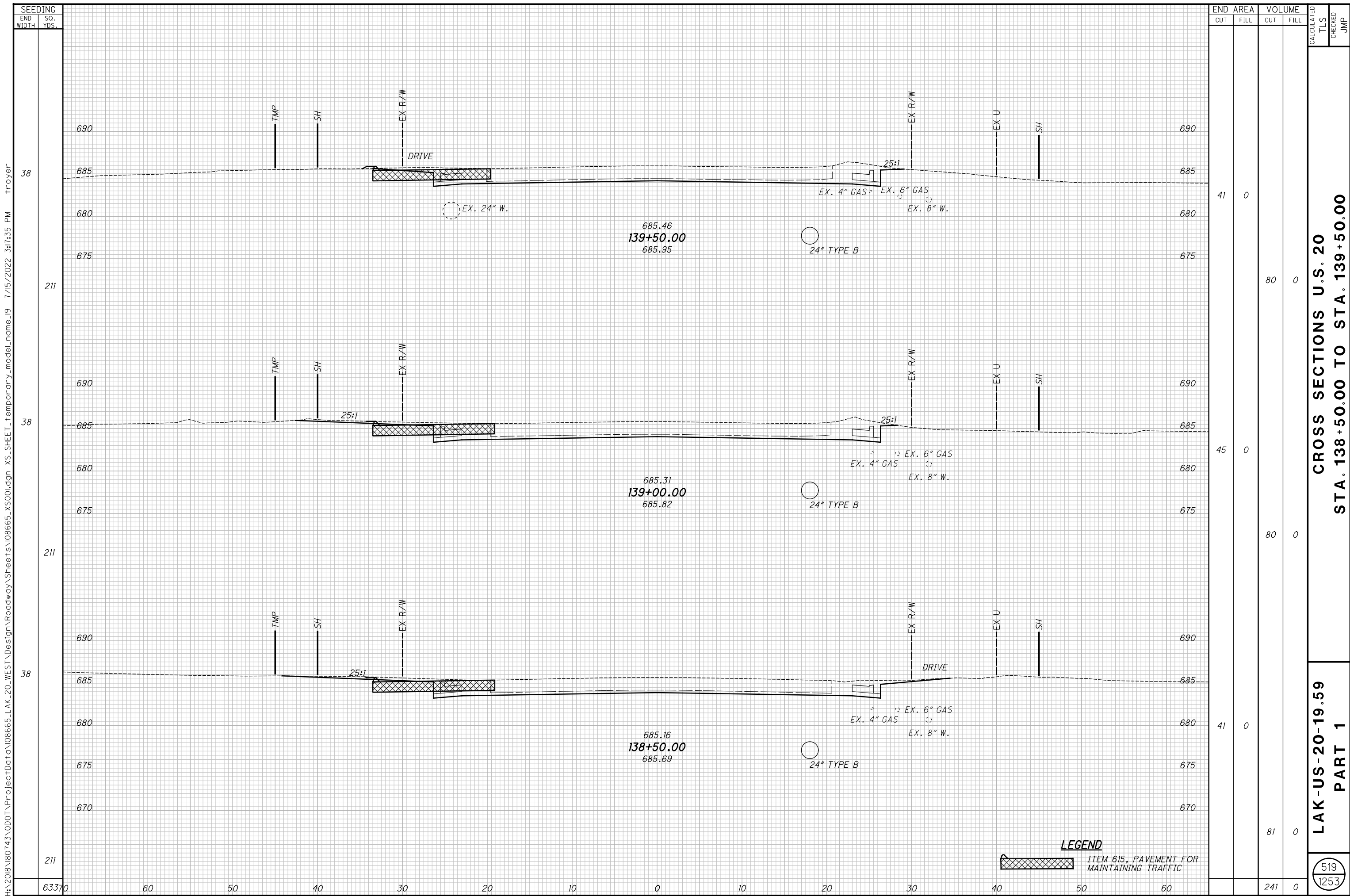


END	AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
38	47	0	79	0			
211	38	0	78	0			
42270	157	0					

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 137+50.00 TO STA. 138+00.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

518  
1253



END	AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
690							
685	41	0					
680			80	0			
675							
690							
685	45	0					
680			80	0			
675							
690							
685	41	0					
680			81	0			
675							
670							
63370			241	0			

**CROSS SECTIONS U.S. 20**  
**STA. 138+50.00 TO STA. 139+50.00**

**LAK-US-20-19.59**  
**PART 1**

519  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
33	50	0	89	0	TLS	JMP
183	46	0	81	0		
35	41	0	76	0		
203			246	0		

**CROSS SECTIONS U.S. 20**  
**STA. 140+00.00 TO STA. 141+00.00**

**LAK-US-20-19.59**  
**PART 1**

520  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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END STA.	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
142+50.00	48	0	89	0		
141+50.00	48	0	89	0		
141+60.00	48	0	91	0		
<b>TOTAL</b>			<b>269</b>	<b>0</b>		

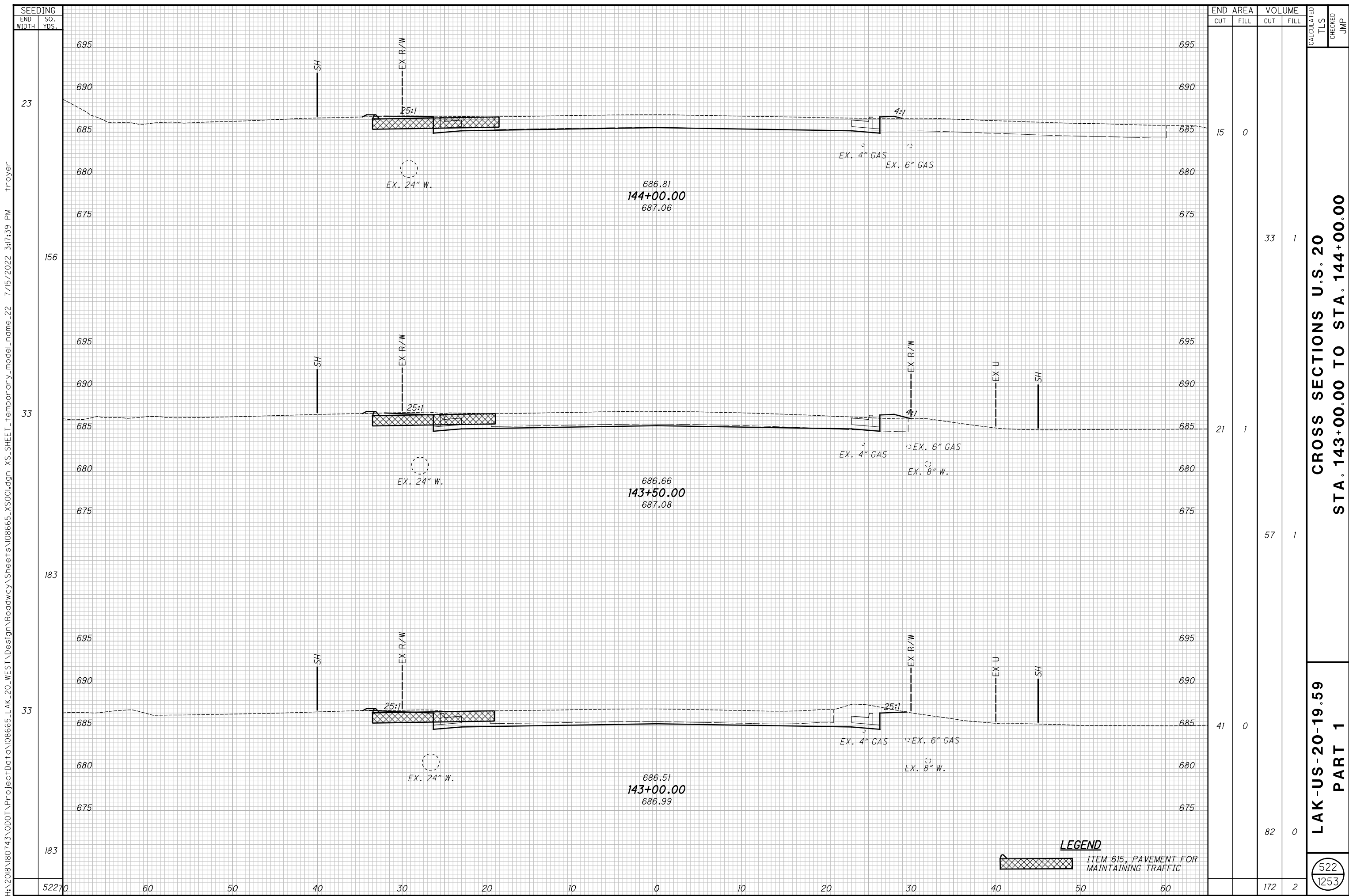
**CROSS SECTIONS U.S. 20**  
**STA. 141+50.00 TO STA. 142+50.00**

**LAK-US-20-19.59**  
**PART 1**

521  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1 temporary\_model\_name\_2 7/15/2022 3:17:37 PM troyer



SEEDING	
END WIDTH	SO. YDS.
23	156
33	183
33	183
183	

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
15	0				
21	1	33	1		
41	0	57	1		
		82	0		
		172	2		

**CROSS SECTIONS U.S. 20**  
**STA. 143+00.00 TO STA. 144+00.00**

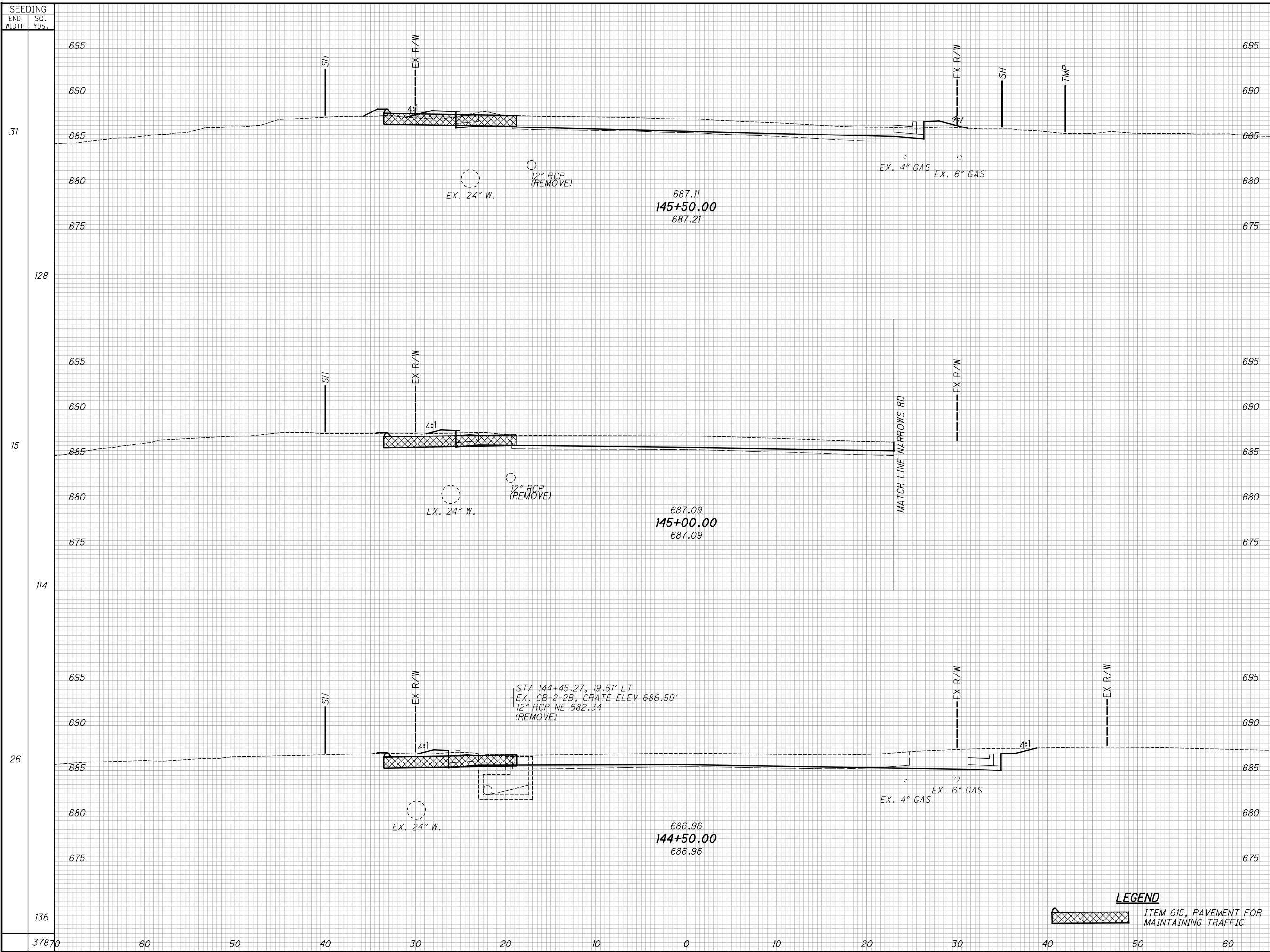
**LAK-US-20-19.59**  
**PART 1**

522  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR  
 MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name.22 7/15/2022 3:17:39 PM Troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name.23 7/15/2022 3:17:40 PM Troyer



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
31	14	6					
128			20	6			
15	8	1					
114			38	2			
26	33	1					
136			44	1			
37870	60	50	102	9			

CROSS SECTIONS U.S. 20  
STA. 144+50.00 TO STA. 145+50.00

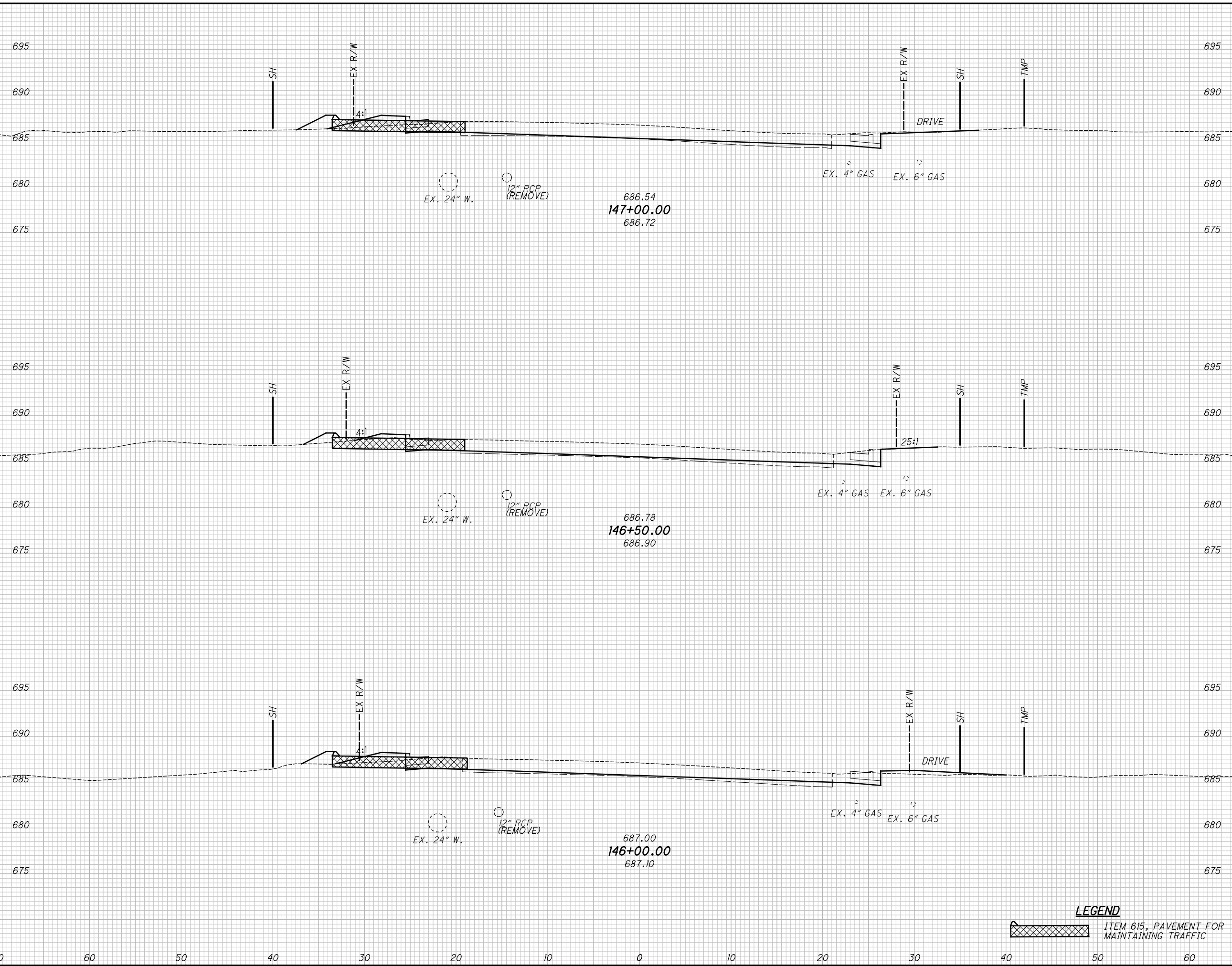
LAK-US-20-19.59  
PART 1

523  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_24 7/15/2022 3:17:41PM Troyer

SEEDING	
END WIDTH	SO. YDS.
31	695
172	685
31	695
172	685
31	695
172	685
516	670

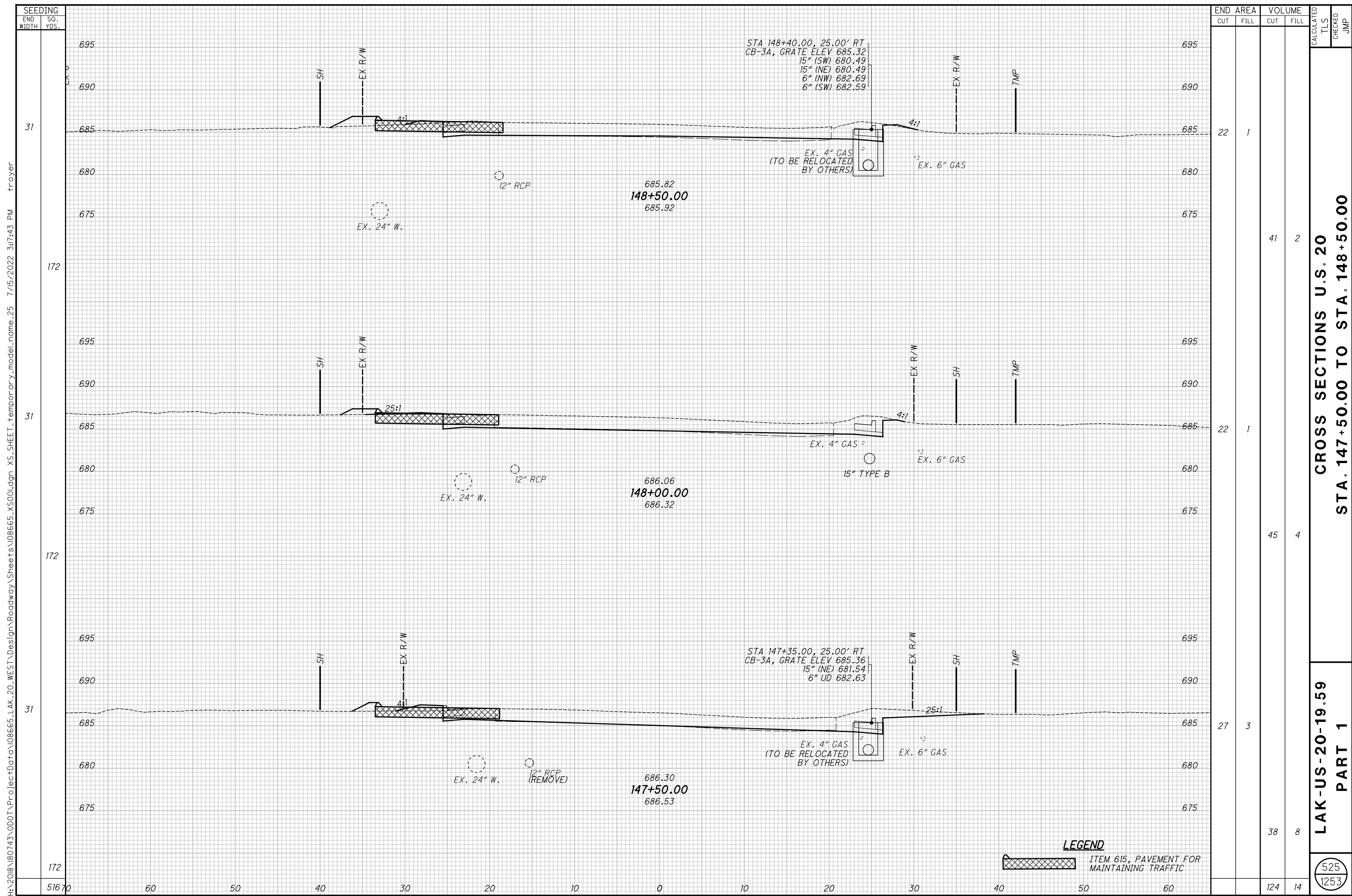


END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
14	6	26	7		
14	2	25	9		
13	8	25	13		
		76	29		

**CROSS SECTIONS U.S. 20**  
**STA. 146+00.00 TO STA. 147+00.00**  
**LAK-US-20-19.59**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

524  
1253



SEEDING  
 END SO.  
 WIDTH YDS.  
 31  
 172  
 31  
 172  
 31  
 172  
 516 70

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
22	1	41	2		
22	1	45	4		
27	3	38	8		
		124	14		

CROSS SECTIONS U.S. 20  
 STA. 147+50.00 TO STA. 148+50.00

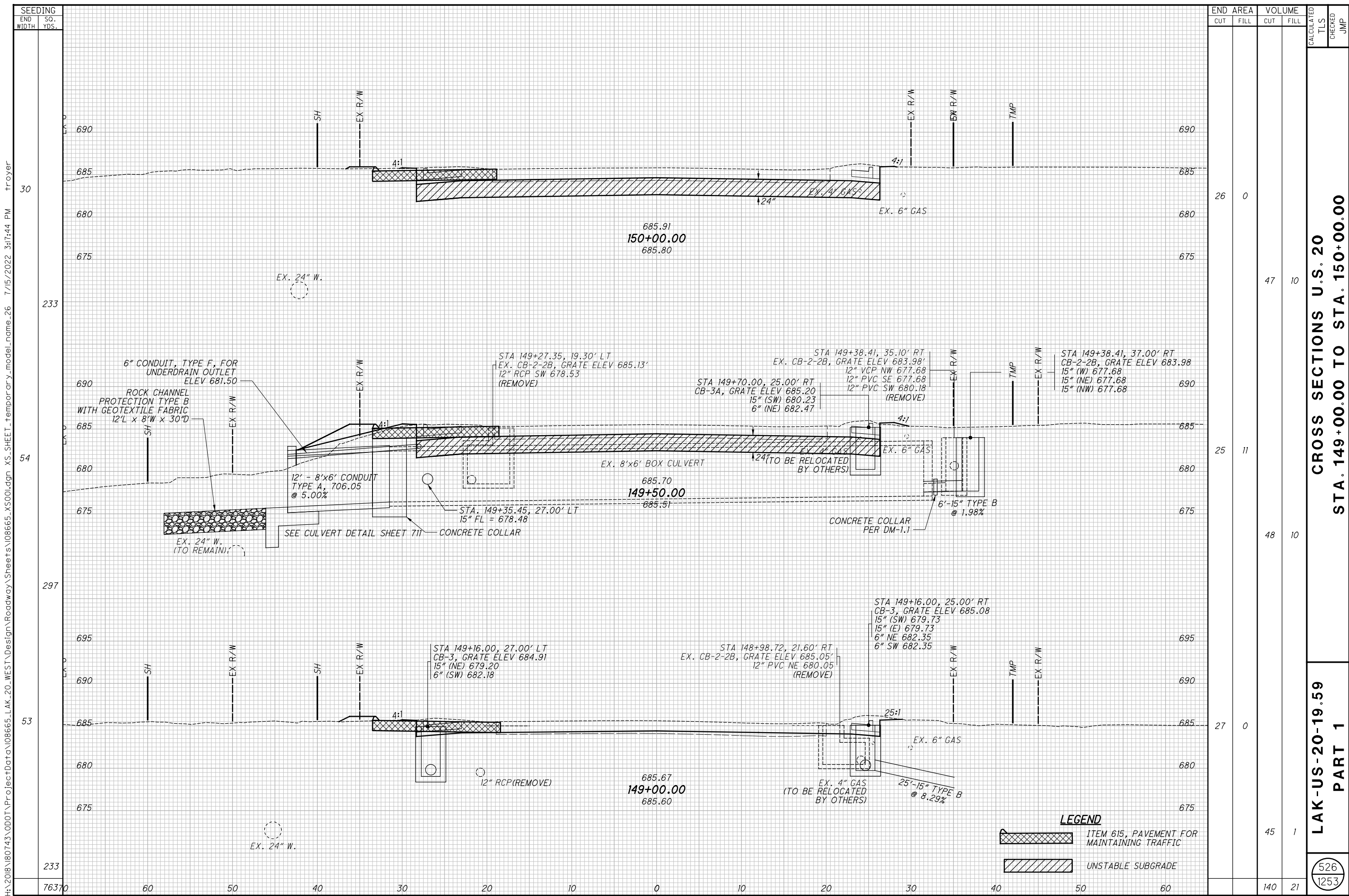
LAK-US-20-19.59  
 PART 1

525  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name\_25 7/15/2022 3:17:43 PM Troyer





SEEDING	
END WIDTH	SO. YDS.
60	30
50	233
40	54
30	297
20	53
10	233
0	76370

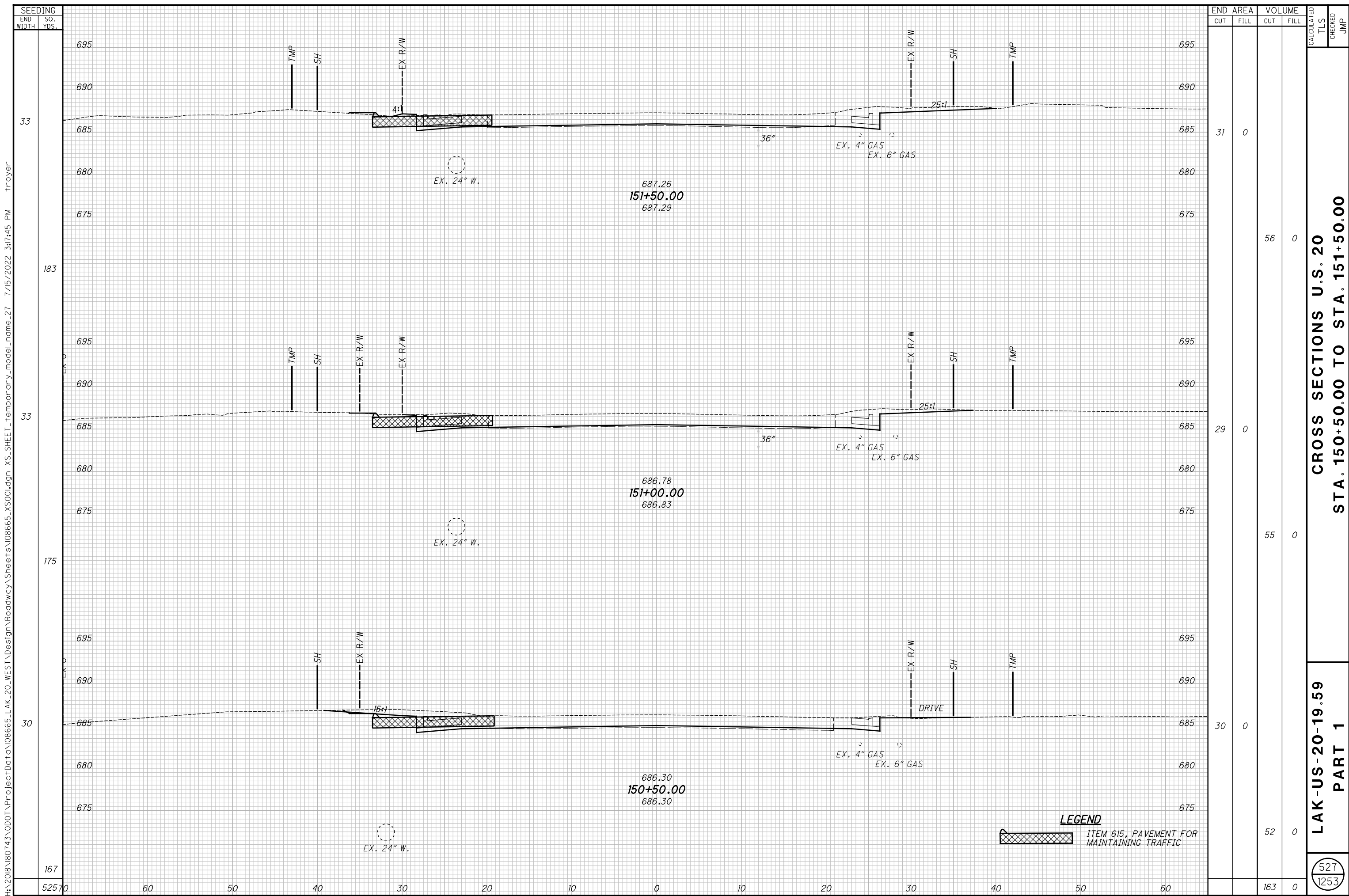
END AREA		VOLUME		CALCULATED	CHECKED	JMP
CUT	FILL	CUT	FILL			
26	0	47	10			
25	11	48	10			
27	0	45	1			
		140	21			

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 149+00.00 TO STA. 150+00.00**

**LEGEND**

- ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC
- UNSTABLE SUBGRADE

526  
1253



SEEDING  
 END SO. YDS.  
 WIDTH YDS.

33  
 183  
 175  
 30  
 167

525 70 60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
31	0	56	0		
29	0	55	0		
30	0	52	0		
		163	0		

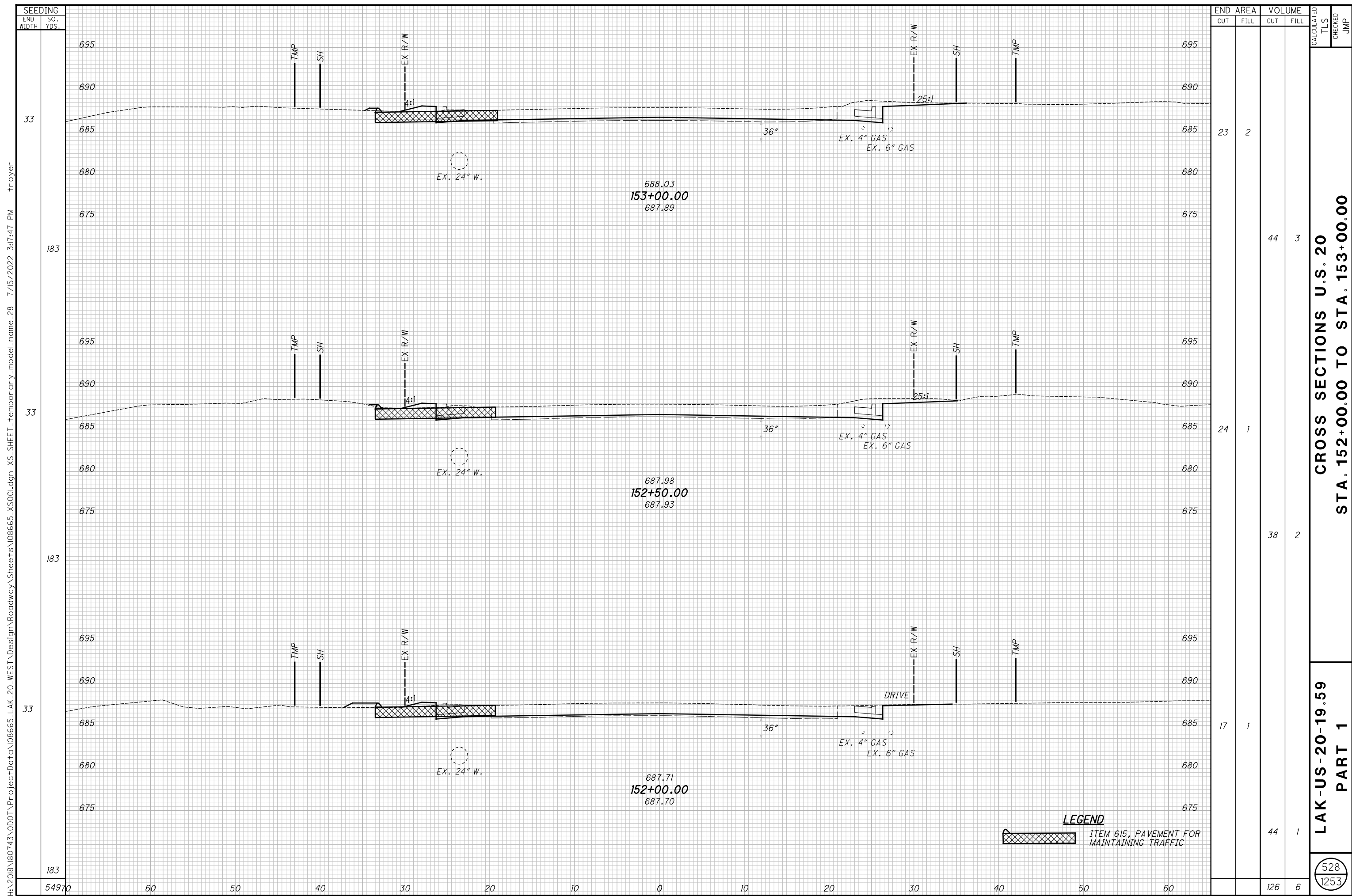
**CROSS SECTIONS U.S. 20  
 STA. 150+50.00 TO STA. 151+50.00**

**LAK-US-20-19.59  
 PART 1**

527  
 1253

**LEGEND**  
 [Hatched Box] ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name\_27 7/15/2022 3:17:45 PM Troyer



SEEDING  
 END SO.  
 WIDTH YDS.  
 33  
 183  
 33  
 183  
 33  
 183  
 54970

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
23	2	44	3		
24	1	38	2		
17	1	44	1		
		126	6		

**CROSS SECTIONS U.S. 20  
 STA. 152+00.00 TO STA. 153+00.00**

**LAK-US-20-19.59  
 PART 1**

528  
 1253

**LEGEND**

 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_28 7/15/2022 3:17:47 PM Troyer



SEEDING	
END WIDTH	SO. YDS.
33	695
96	690
36	685
192	680
33	675
183	670
471	665

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
25	0	44	1		
23	1	40	2		
20	1	40	3		
		124	6		

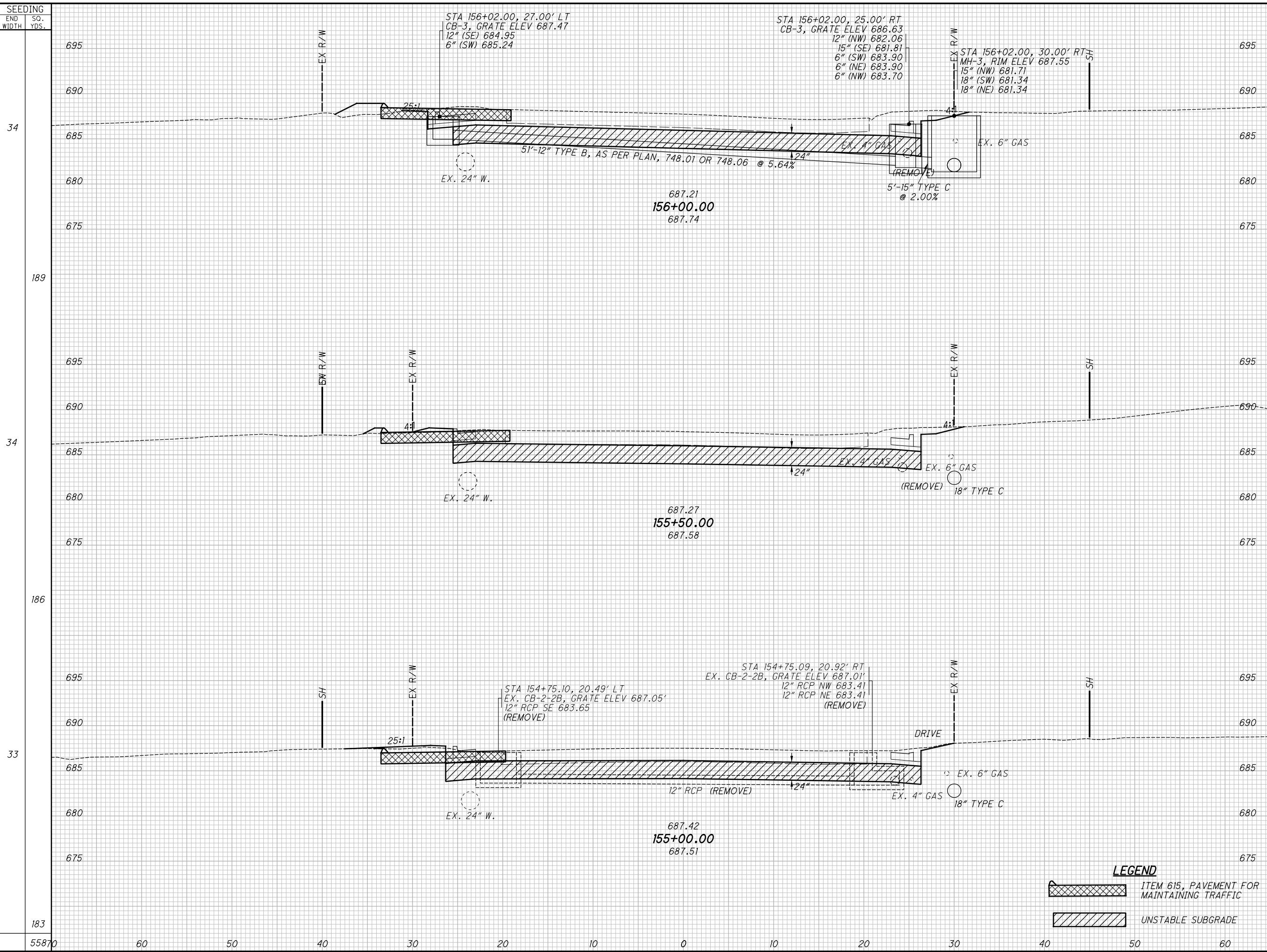
**CROSS SECTIONS U.S. 20**  
**STA. 153+50.00 TO STA. 154+50.00**

**LAK-US-20-19.59**  
**PART 1**

529  
 1253

H:\2018\180743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name\_29 7/15/2022 3:17:48 PM Troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_30 7/15/2022 3:17:49 PM troyer



END STA.	END AREA		VOLUME		CALCULATED TLS	CHECKED	JMP
	CUT	FILL	CUT	FILL			
156+00.00	46	0					
155+50.00	25	2					
155+00.00	17	2					
<b>TOTAL</b>	<b>88</b>	<b>4</b>	<b>66</b>	<b>2</b>			

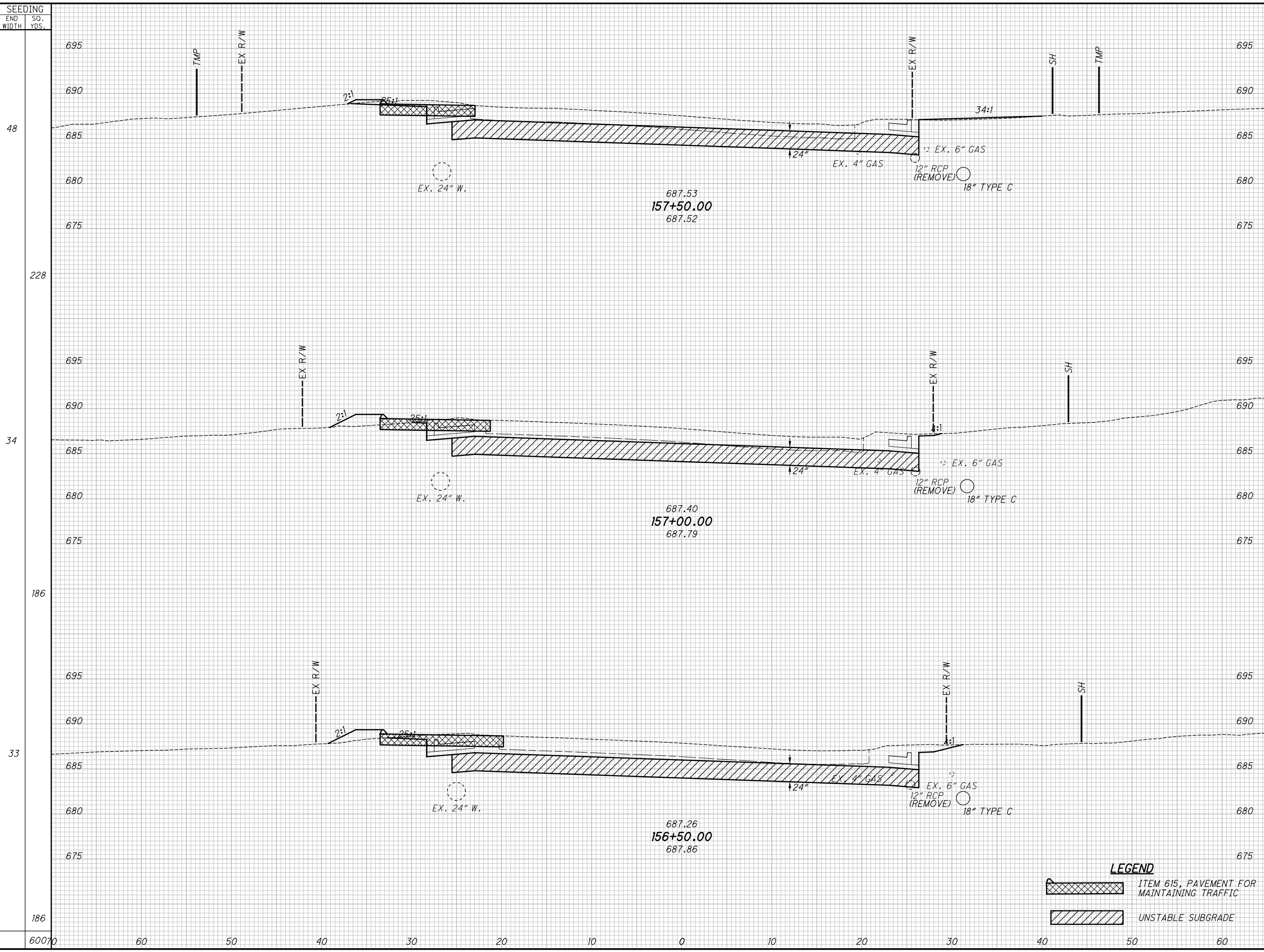
**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**PART 1**  
**STA. 155+00.00 TO STA. 156+00.00**

**LEGEND**

- ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC
- UNSTABLE SUBGRADE

530  
1253

H:\2018\180743\0D01\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_31 7/15/2022 3:17:51 PM Troyer



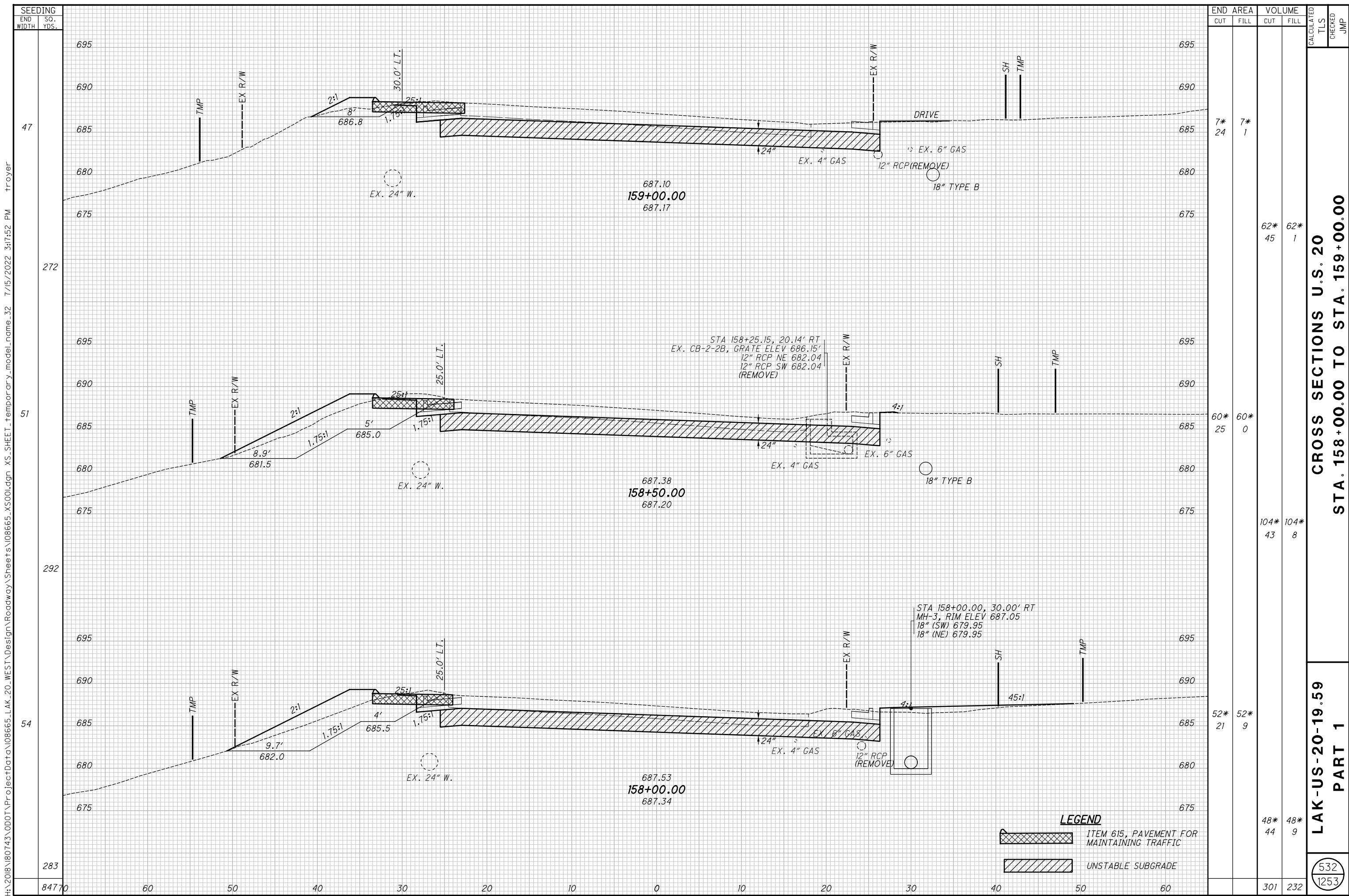
SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	END WIDTH	SO. YDS.	CUT	FILL			
48	60	695	0*	0*			
228	60	685	27	1			
34	60	695	34	0			
186	60	685	75	0			
33	60	695	47	0			
186	60	685	86	0			
60070	60	675	217	1			

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 156+50.00 TO STA. 157+50.00**  
**PART 1**

**LEGEND**

- ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC
- UNSTABLE SUBGRADE

531  
1253



SEEDING	
END WIDTH	SO. YDS.
47	695
272	690
51	685
292	680
54	675
283	670
84770	665

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	TLS	JMP
7*	7*	62*	62*		
24	1	45	1		
60*	60*	104*	104*		
25	0	43	8		
52*	52*	48*	48*		
21	9	44	9		
		301	232		

CROSS SECTIONS U.S. 20  
STA. 158+00.00 TO STA. 159+00.00

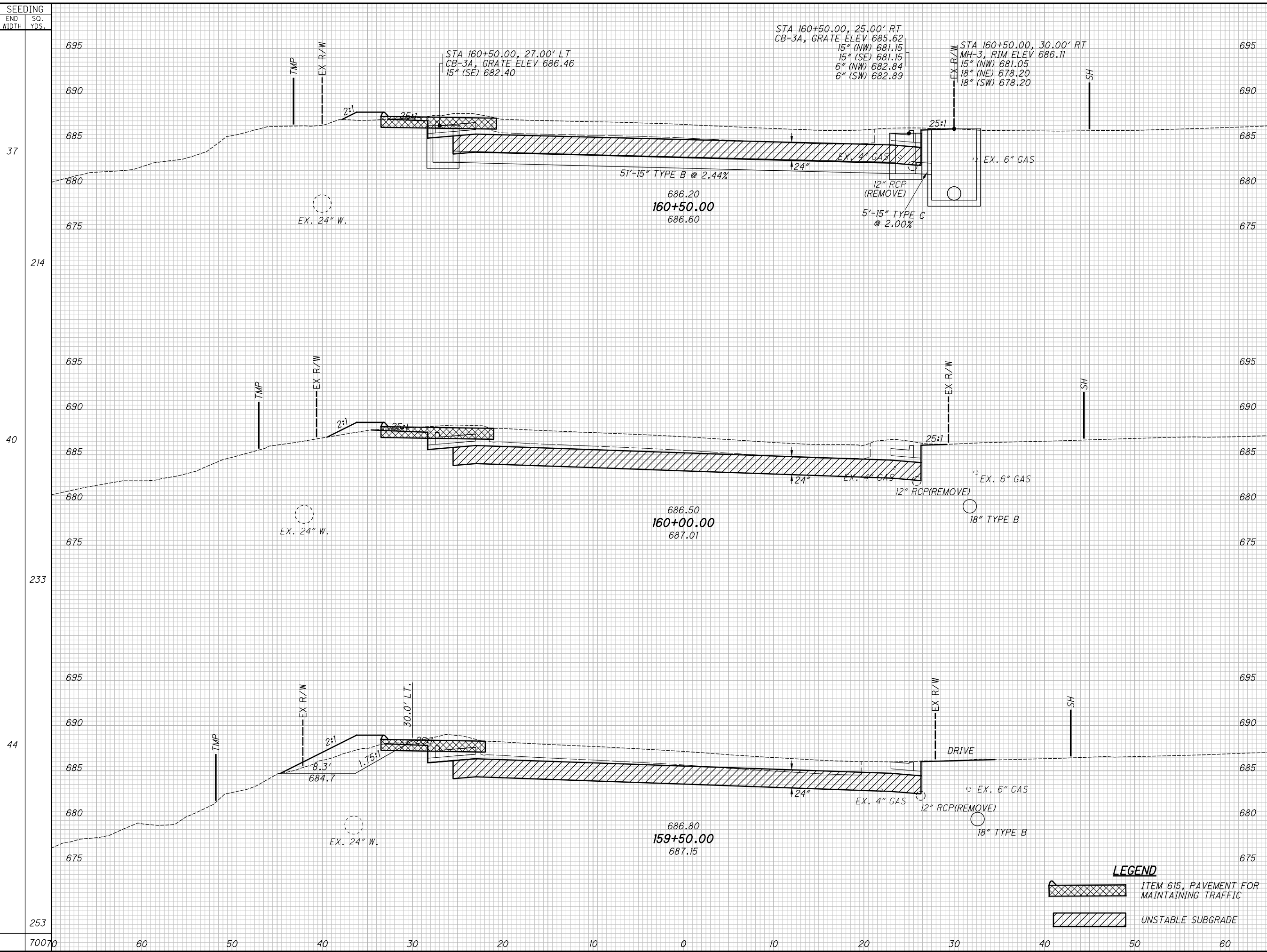
LAK-US-20-19.59  
PART 1

532  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC  
 UNSTABLE SUBGRADE

H:\2018\180743\0D01\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_32 7/15/2022 3:17:52 PM Troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_33 7/15/2022 3:17:53 PM Troyer



END AREA	VOLUME	CALCULATED		CHECKED	
		CUT	FILL	TLS	JMP
33	0	0*	0*	17*	17*
0*	0*	17*	17*	23*	23*
17*	0	34	0	54	1
18*	0	215	24		

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC  
 UNSTABLE SUBGRADE

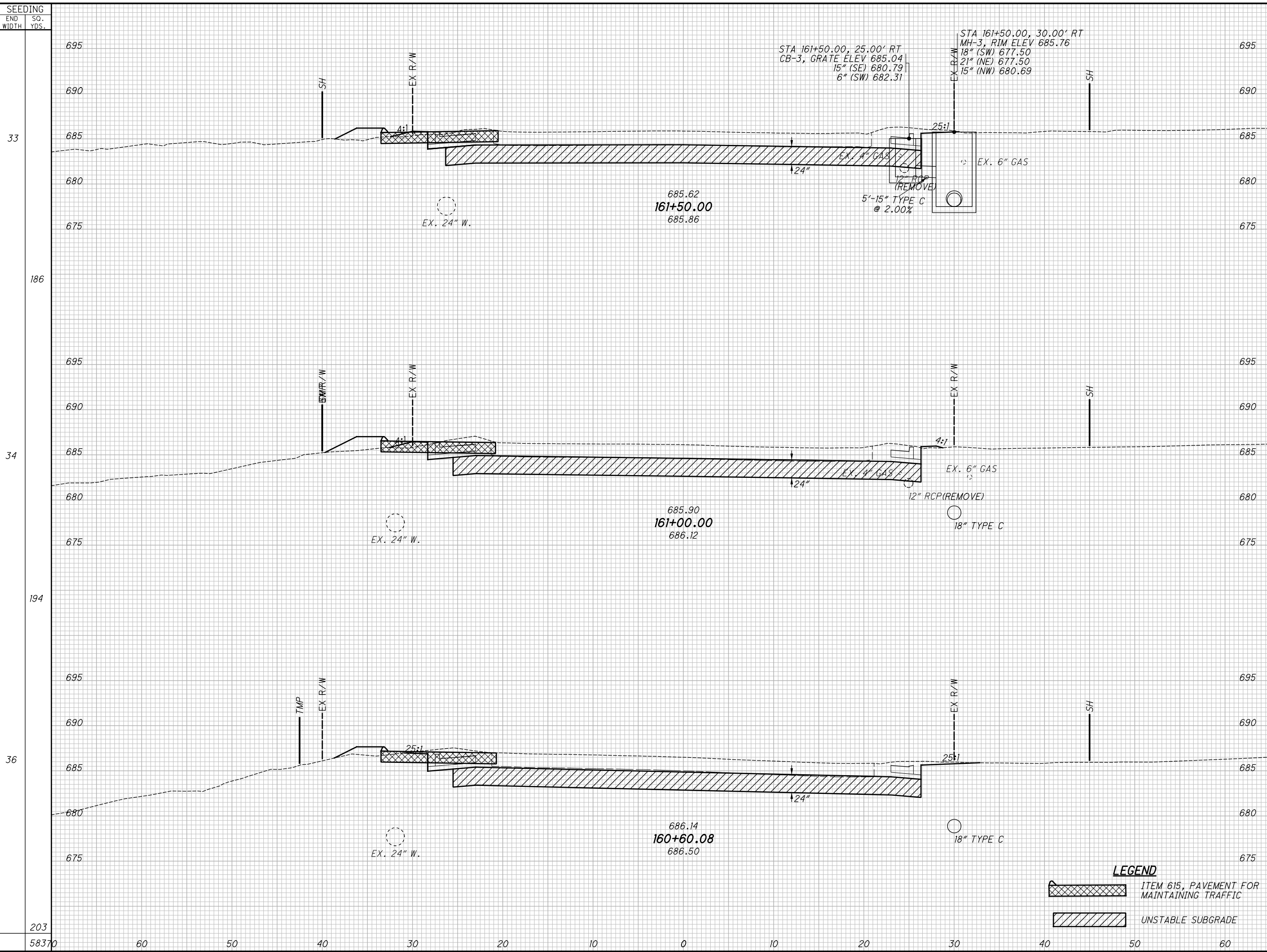
**CROSS SECTIONS U.S. 20  
 STA. 159+50.00 TO STA. 160+50.00**

**LAK-US-20-19.59  
 PART 1**

533  
 1253



H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_34 7/15/2022 3:17:55 PM Troyer

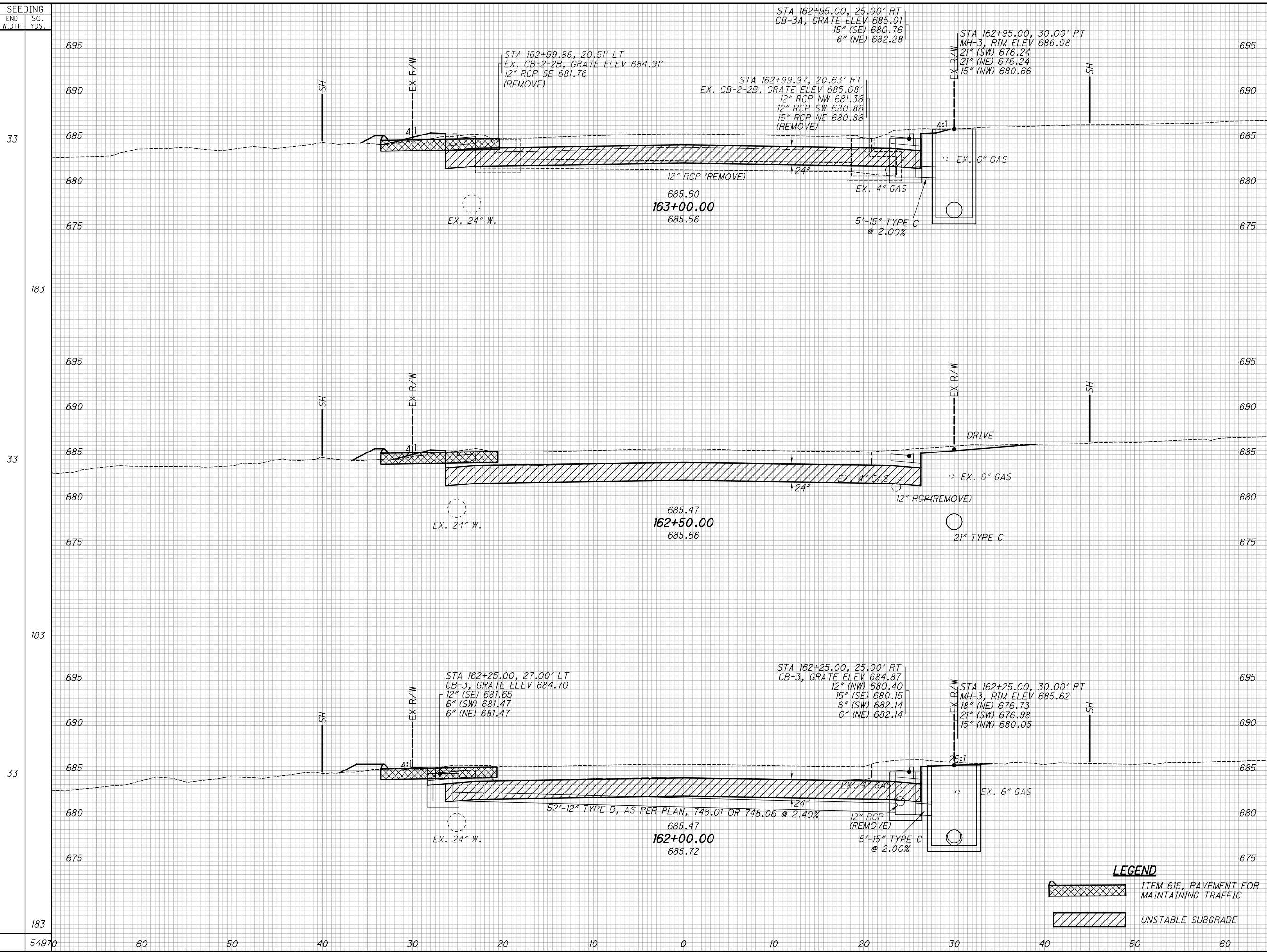


SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	END WIDTH	SO. YDS.	CUT	FILL			
33	60	50	26	1			
186	60	50	46	3			
34	60	50	24	2			
194	60	50	39	1			
36	60	50	29	0			
203	60	50	12	0			
58370	60	50	97	4			

**CROSS SECTIONS U.S. 20**  
**STA. 160+60.61 TO STA. 161+50.00**  
**LAK-US-20-19.59**  
**PART 1**  
534  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC  
 UNSTABLE SUBGRADE

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_35 7/15/2022 3:17:56 PM Troyer



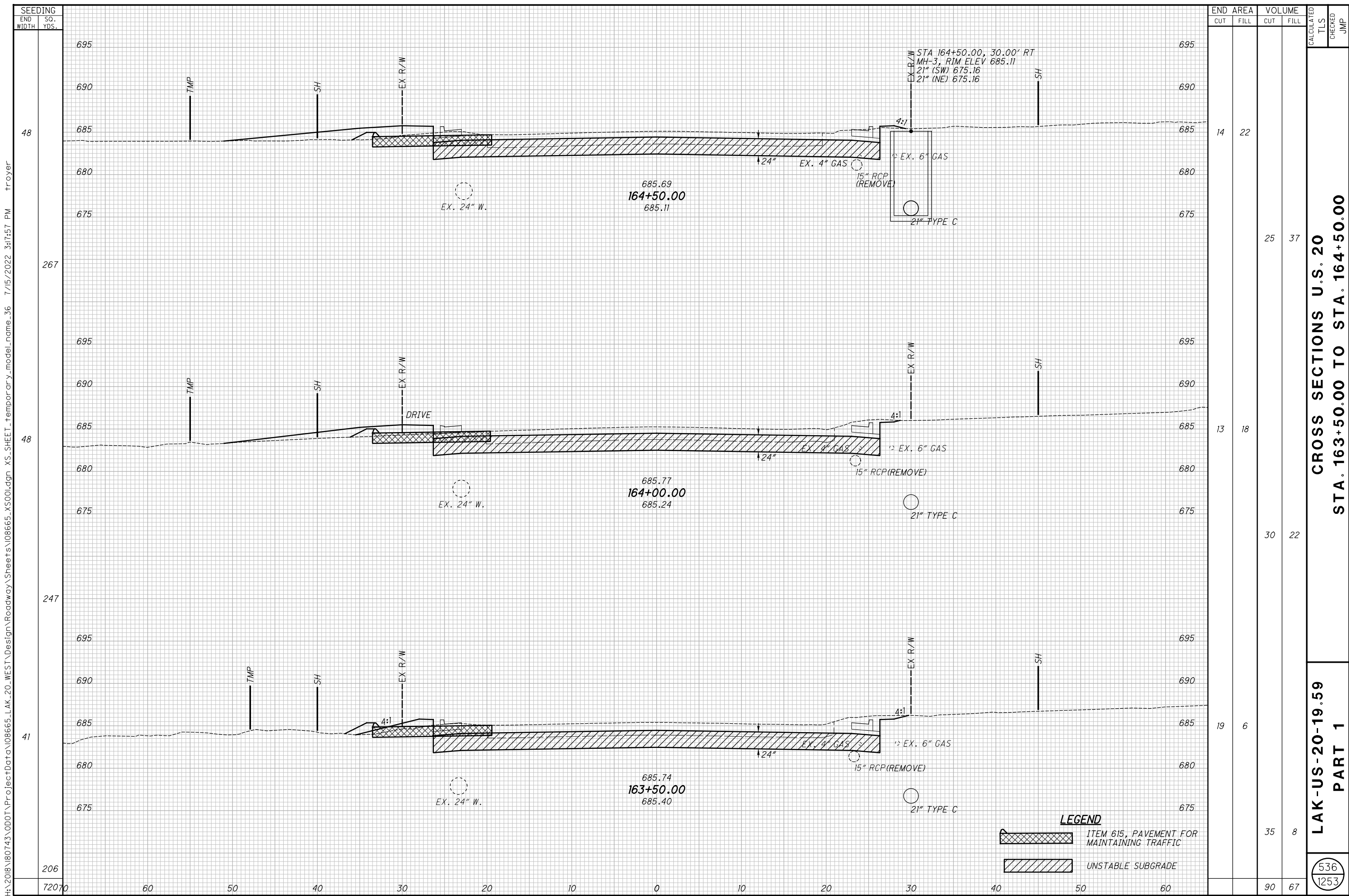
SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
33	19	3					
183			39	5			
33	23	2					
183			50	2			
33	31	0					
183			53	1			
54970	60	50	142	8			

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC  
 UNSTABLE SUBGRADE

**CROSS SECTIONS U.S. 20**  
**STA. 162+00.00 TO STA. 163+00.00**

**LAK-US-20-19.59**  
**PART 1**

535  
1253



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED
	CUT	FILL	CUT	FILL		
48	14	22				
267			25	37		
48	13	18				
247			30	22		
41	19	6				
206			35	8		
72070	90	67				

**CROSS SECTIONS U.S. 20**  
**STA. 163+50.00 TO STA. 164+50.00**

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**

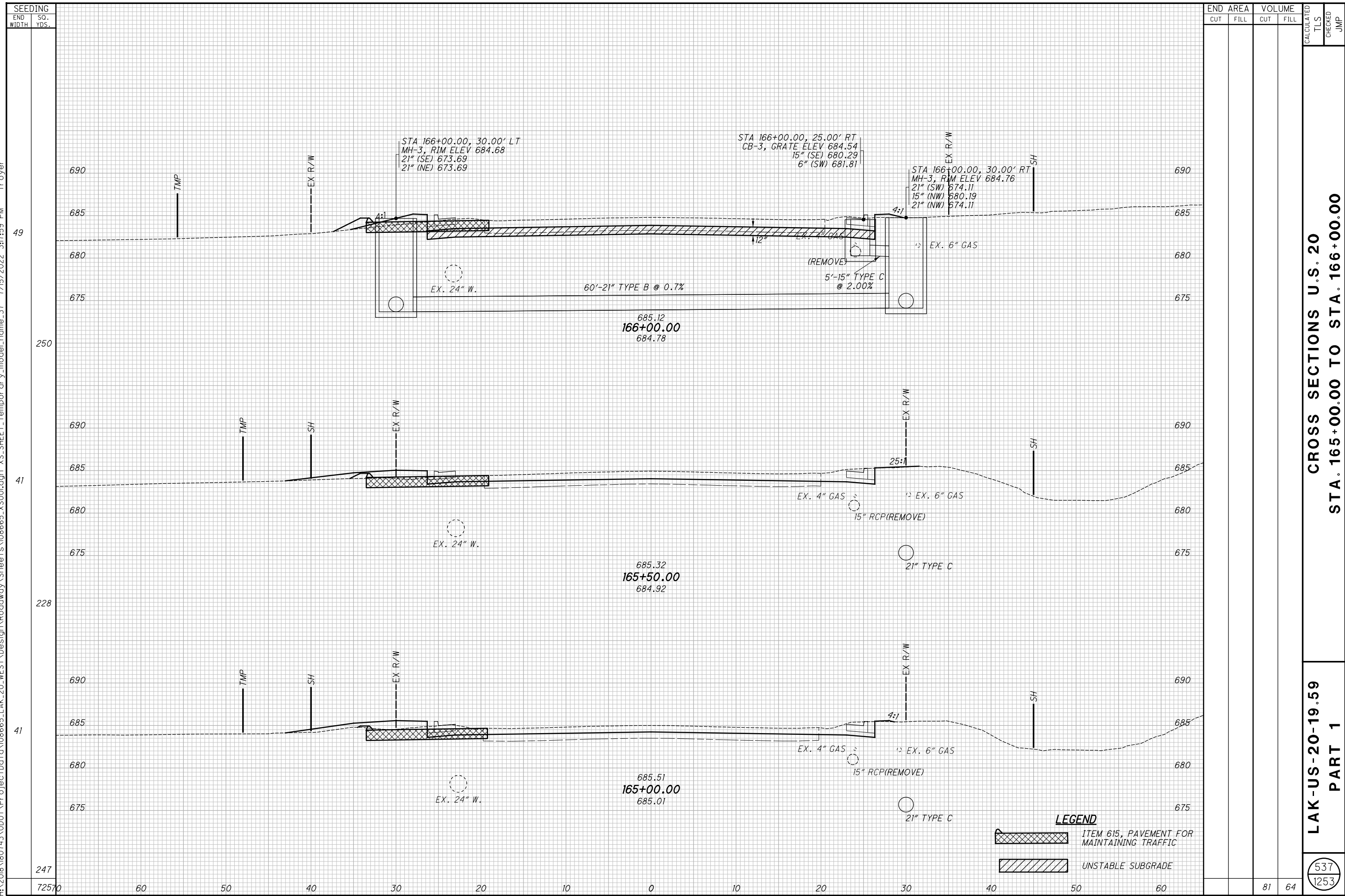
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

 UNSTABLE SUBGRADE

536  
1253

H:\2018\180743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_36 7/15/2022 3:17:57 PM Troyer

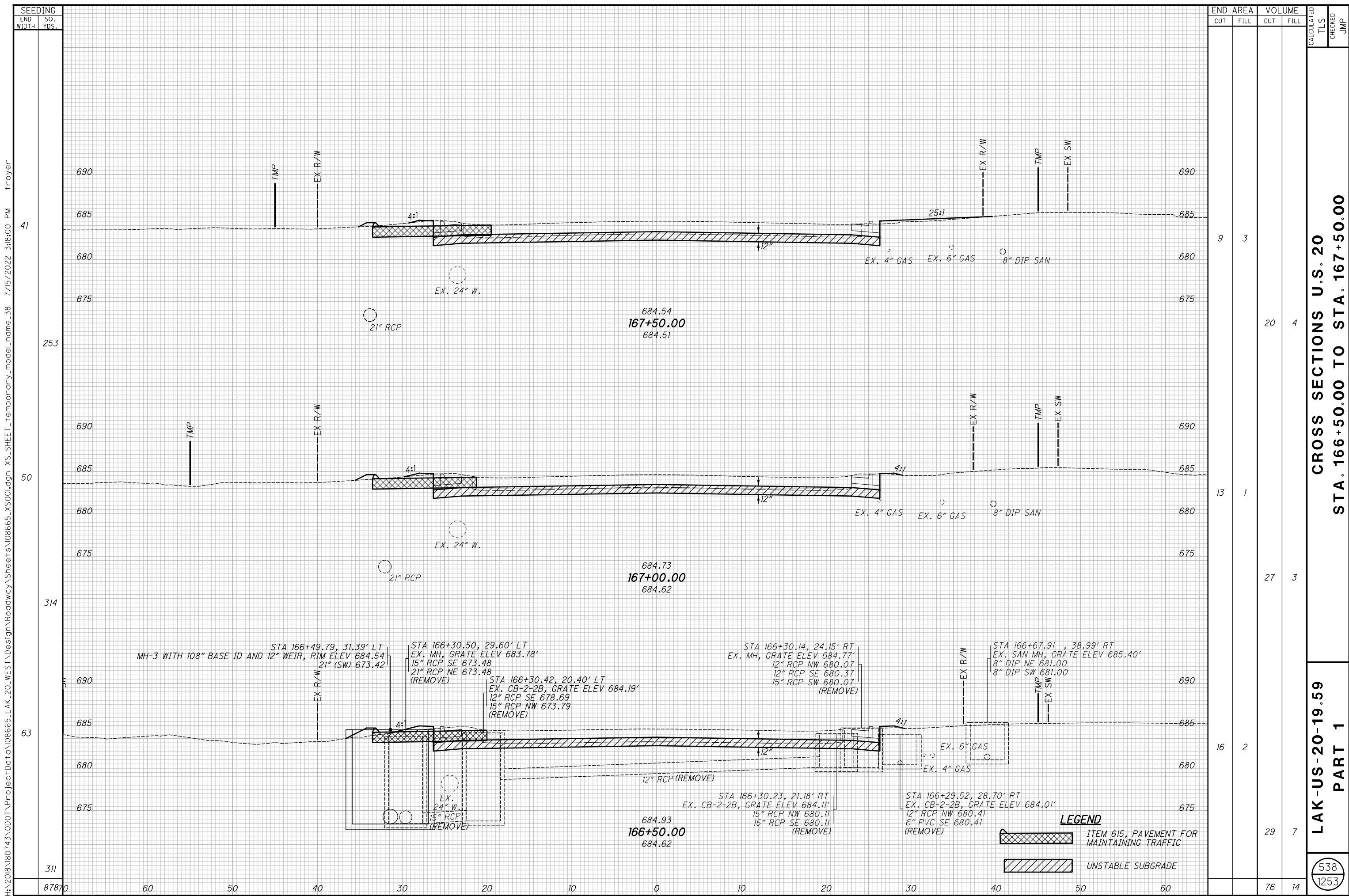
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**CROSS SECTIONS U.S. 20**  
**STA. 165+00.00 TO STA. 166+00.00**

**LAK-US-20-19.59**  
**PART 1**

537  
 1253

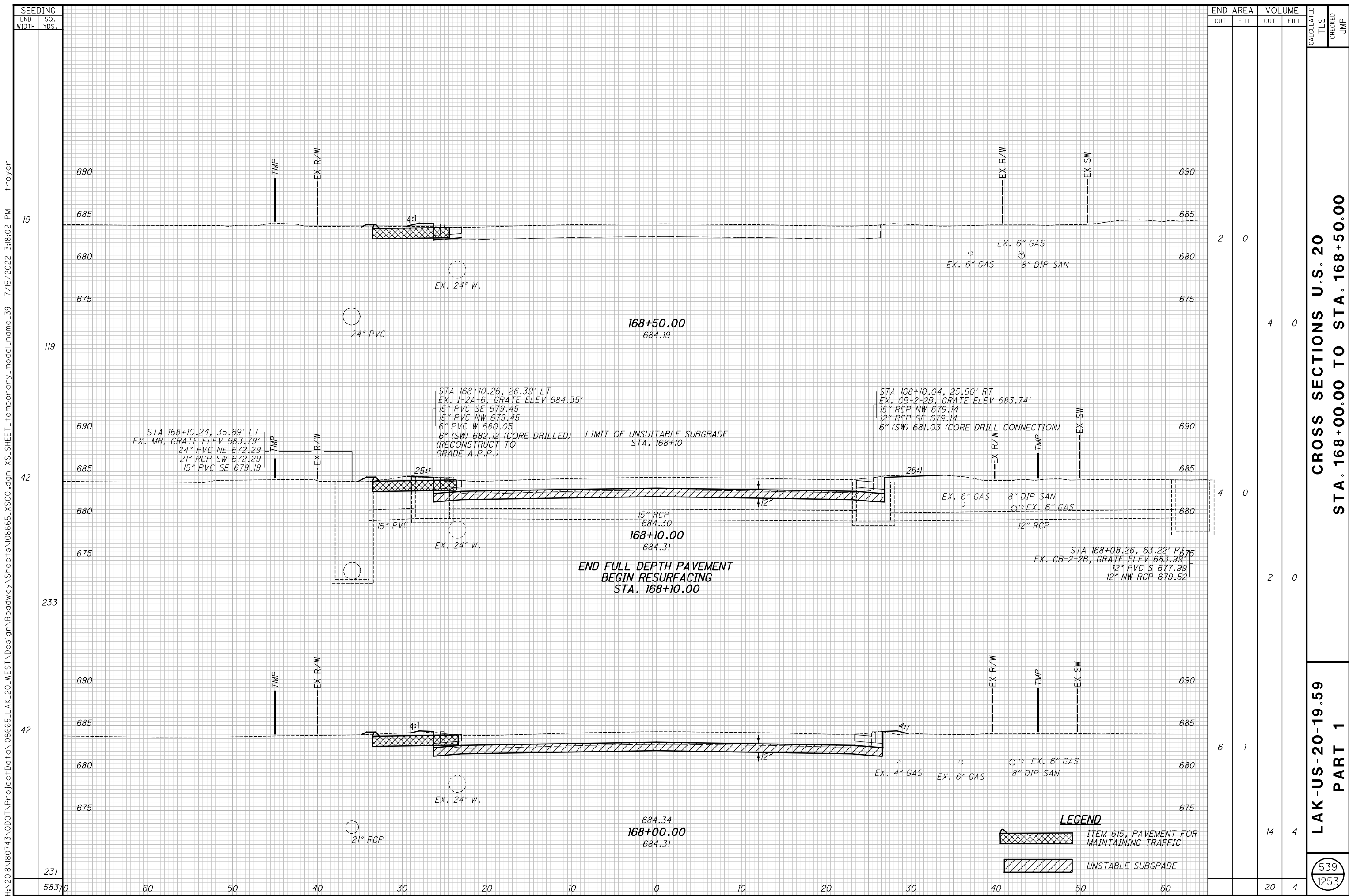


SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
41	9	3					
253			20	4			
50	13	1					
314			27	3			
63	16	2					
311			29	7			
87870	60	50	40	30	20	10	0
					10	20	30
					40	50	60
			76	14			

CROSS SECTIONS U.S. 20  
 STA. 166+50.00 TO STA. 167+50.00

LAK-US-20-19.59  
 PART 1

538  
 1253



SEEDING	
END WIDTH	SO. YDS.
19	19
42	119
233	42
42	233
231	42
58370	231

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
2	0	4	0		
4	0	2	0		
6	1	14	4		
		20	4		

**CROSS SECTIONS U.S. 20**  
**STA. 168+00.00 TO STA. 168+50.00**

**LAK-US-20-19.59**  
**PART 1**

539  
 1253

**LEGEND**

- ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC
- UNSTABLE SUBGRADE

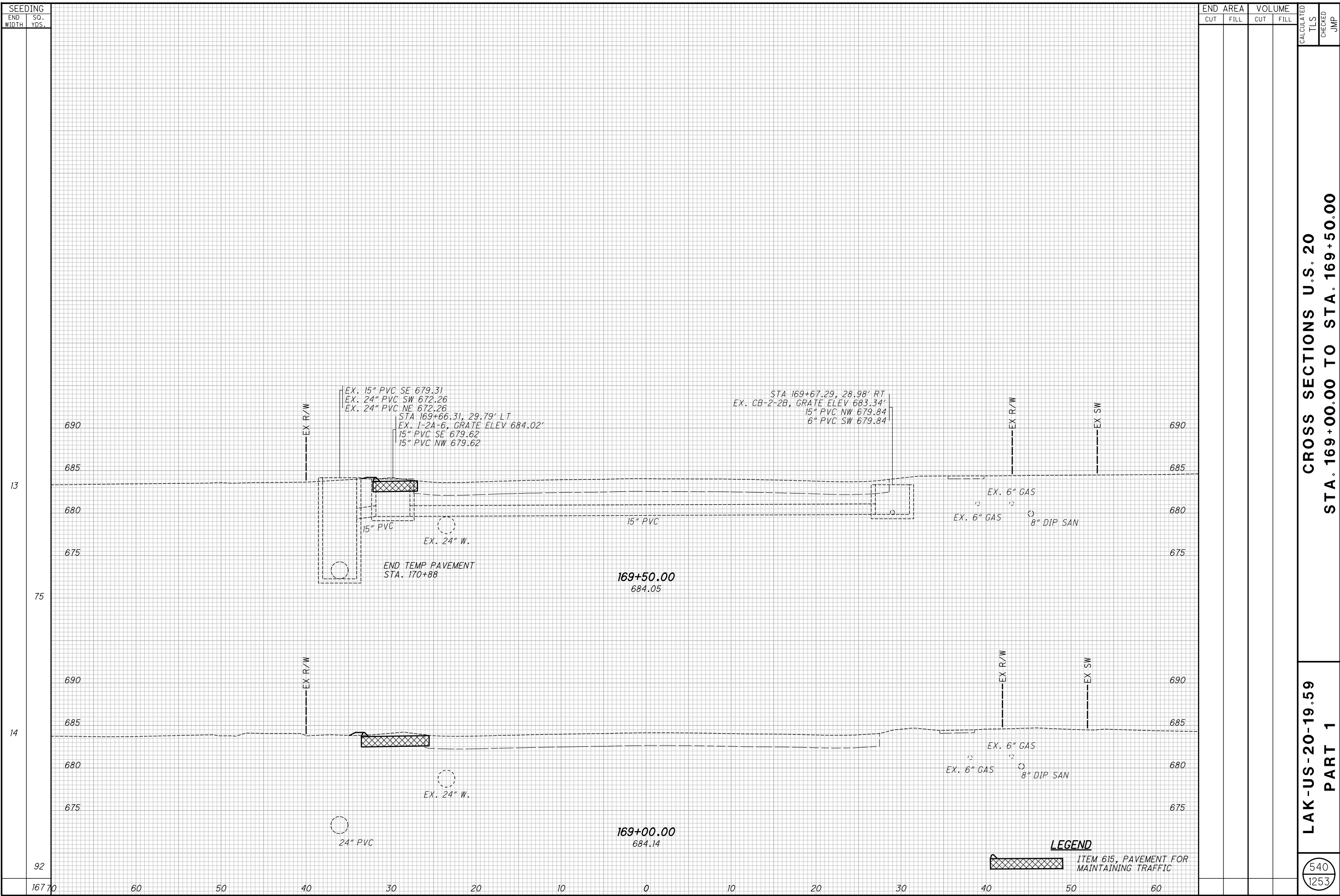
**END FULL DEPTH PAVEMENT  
BEGIN RESURFACING  
STA. 168+10.00**

STA 168+10.26, 26.39' LT  
 EX. I-2A-6, GRATE ELEV 684.35'  
 15" PVC SE 679.45  
 15" PVC NW 679.45  
 6" PVC W 680.05  
 6" (SW) 682.12 (CORE DRILLED) LIMIT OF UNSUITABLE SUBGRADE  
 (RECONSTRUCT TO GRADE A.P.P.) STA. 168+10

STA 168+10.04, 25.60' RT  
 EX. CB-2-2B, GRATE ELEV 683.74'  
 15" RCP NW 679.14  
 12" RCP SE 679.14  
 6" (SW) 681.03 (CORE DRILL CONNECTION)

STA 168+08.26, 63.22' RT  
 EX. CB-2-2B, GRATE ELEV 683.99'  
 12" PVC S 677.99  
 12" NW RCP 679.52

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_temporary\_model\_name\_40 7/15/2022 3:18:03 PM troyer



SEEDING	
END WIDTH	SO. YDS.
167	70
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		

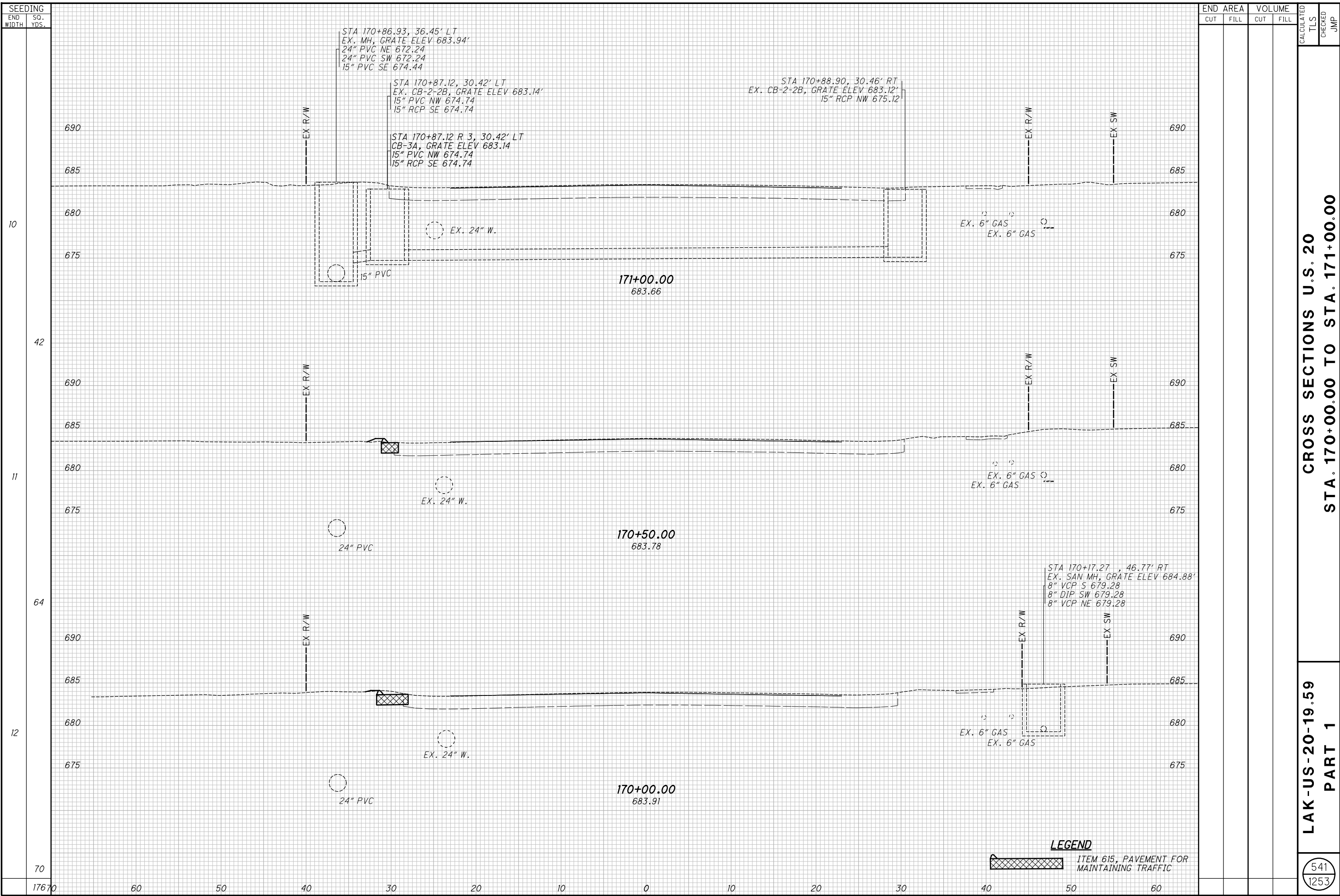
CROSS SECTIONS U.S. 20  
STA. 169+00.00 TO STA. 169+50.00

LAK-US-20-19.59  
PART 1

540  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

SEEDING		END AREA		VOLUME		CALCULATED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	TLS	JMP

**CROSS SECTIONS U.S. 20**  
**STA. 170+00.00 TO STA. 171+00.00**

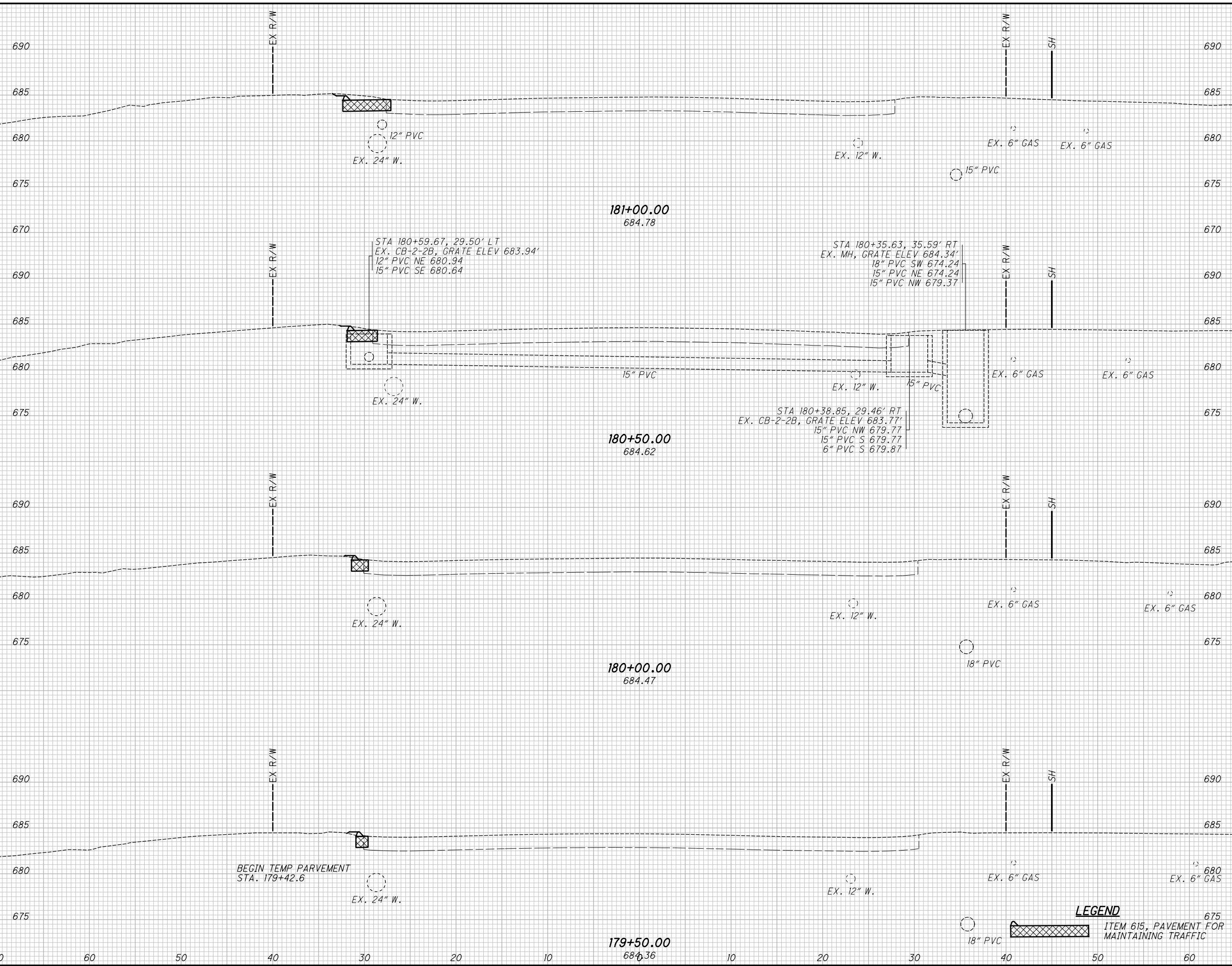
**LAK-US-20-19.59**  
**PART 1**

541  
1253



H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_40a 7/15/2022 3:18:05 PM Troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
END WIDTH							
SO. YDS.							



**LEGEND**

18" PVC [Symbol]

EX. 6" GAS [Symbol]

EX. 24" W. [Symbol]

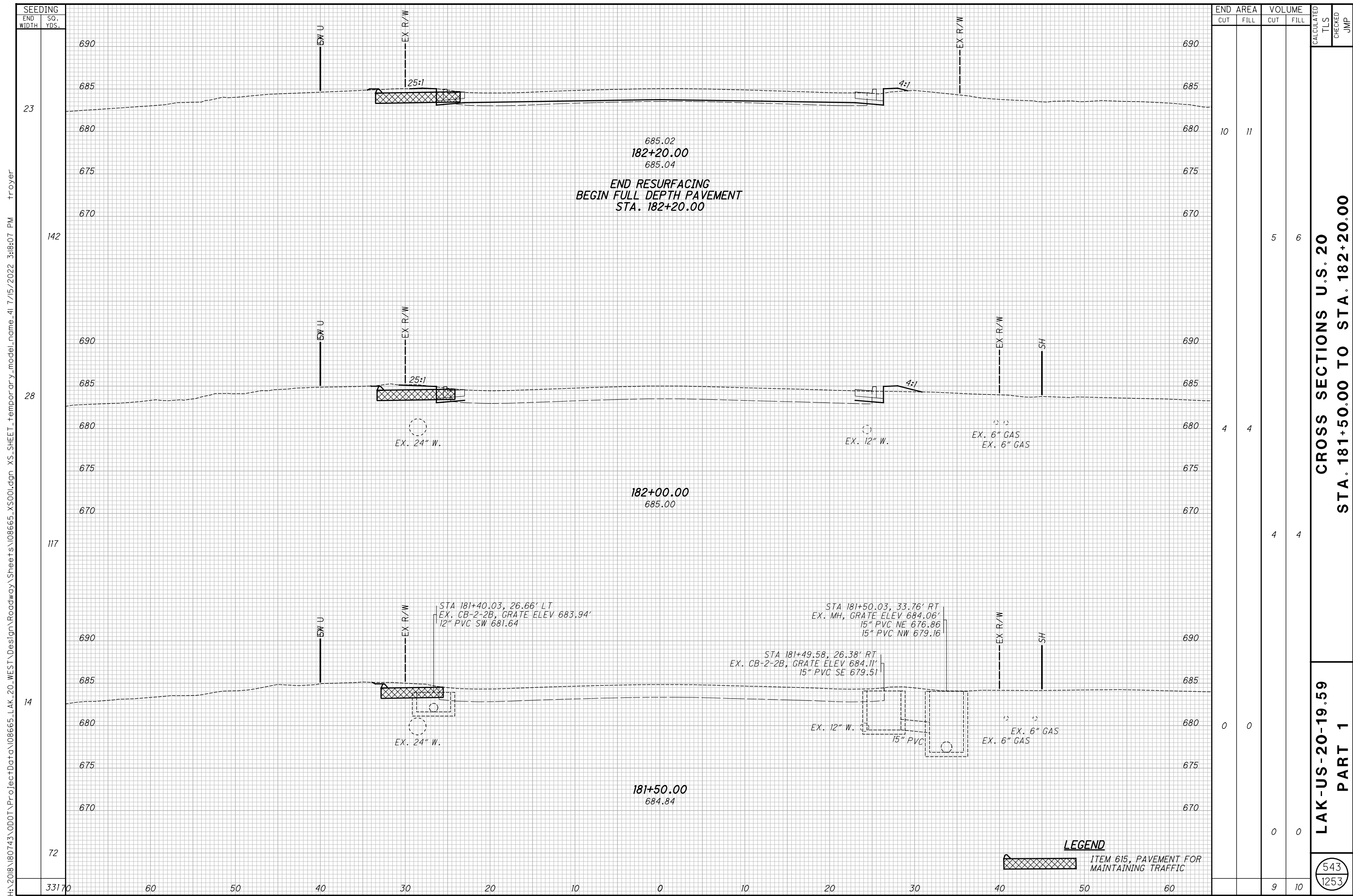
EX. 12" W. [Symbol]

ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC [Symbol]

END AREA		VOLUME		CALCULATED	CHECKED	JMP
CUT	FILL	CUT	FILL			

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 179+50.00 TO STA. 181+00.00**  
**PART 1**

542  
1253



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
23	10	11					
28	4	4	5	6			
14	0	0	4	4			
72			9	10			

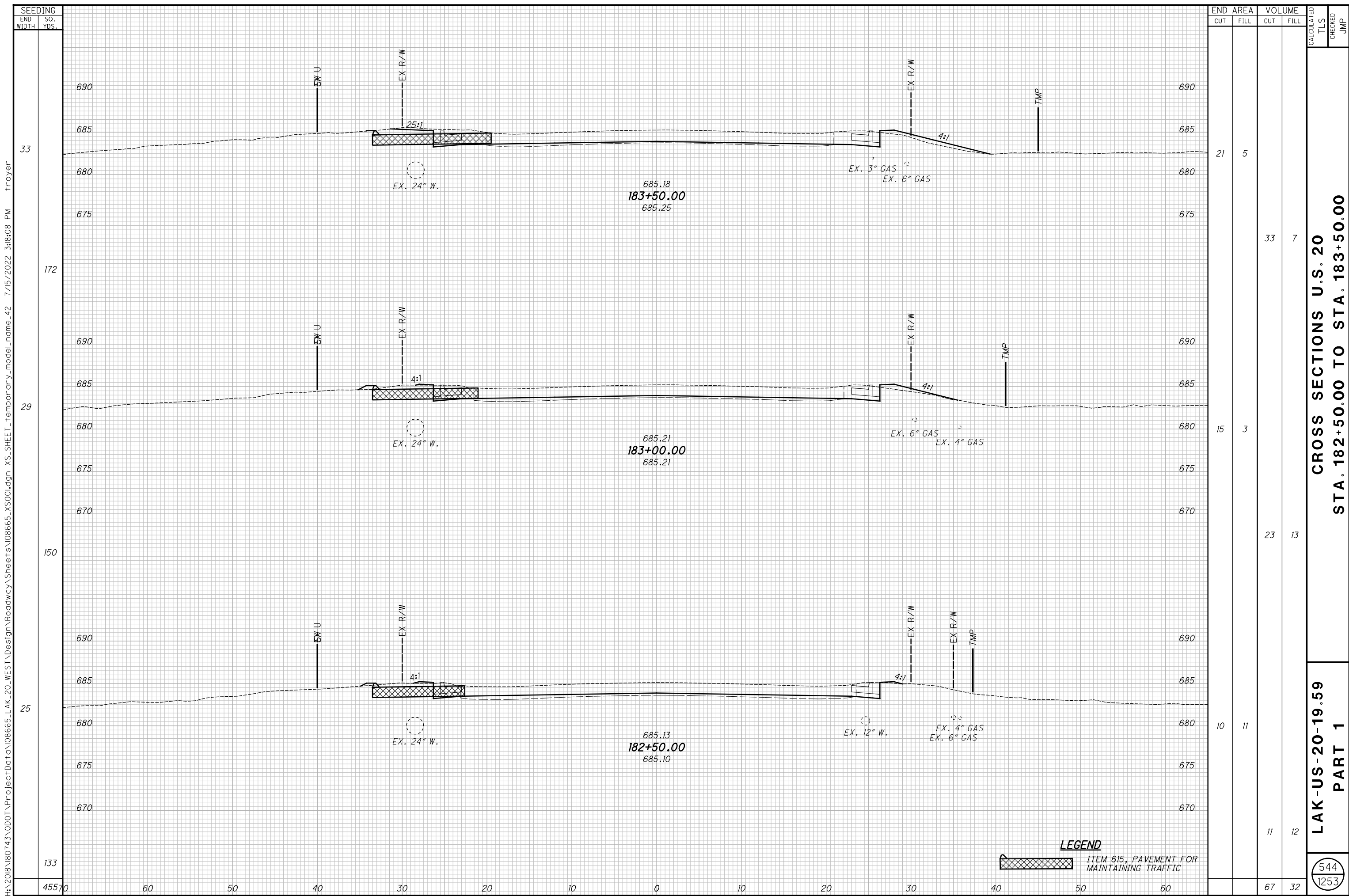
**CROSS SECTIONS U.S. 20**  
**STA. 181+50.00 TO STA. 182+20.00**

**LAK-US-20-19.59**  
**PART 1**

543  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING  
 END SO.  
 WIDTH YDS.  
 33  
 172  
 29  
 150  
 25  
 133  
 45570  
 60  
 50  
 40  
 30  
 20  
 10  
 0  
 10  
 20  
 30  
 40  
 50  
 60

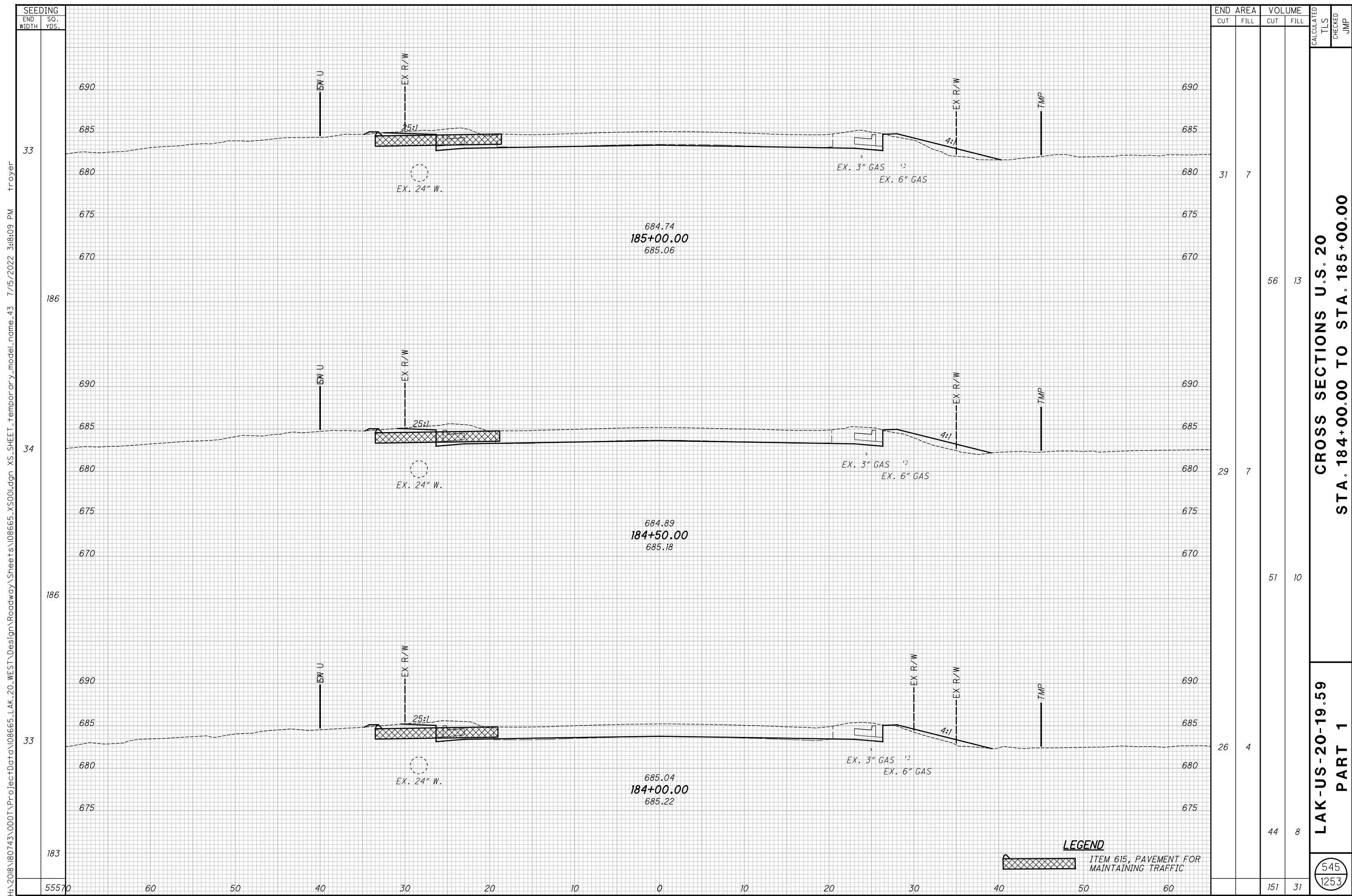
END AREA	VOLUME	CALCULATED	CHECKED	JMP
21	5			
15	3			
10	11			
67	32			

CROSS SECTIONS U.S. 20  
 STA. 182+50.00 TO STA. 183+50.00

LAK-US-20-19.59  
 PART 1

544  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



SEEDING  
 END SO.  
 WIDTH YDS.  
 555 70  
 60  
 50  
 40  
 30  
 20  
 10  
 0  
 10  
 20  
 30  
 40  
 50  
 60

END AREA	VOLUME	CALCULATED	CHECKED
31	7		
29	7		
26	4		
151	31		

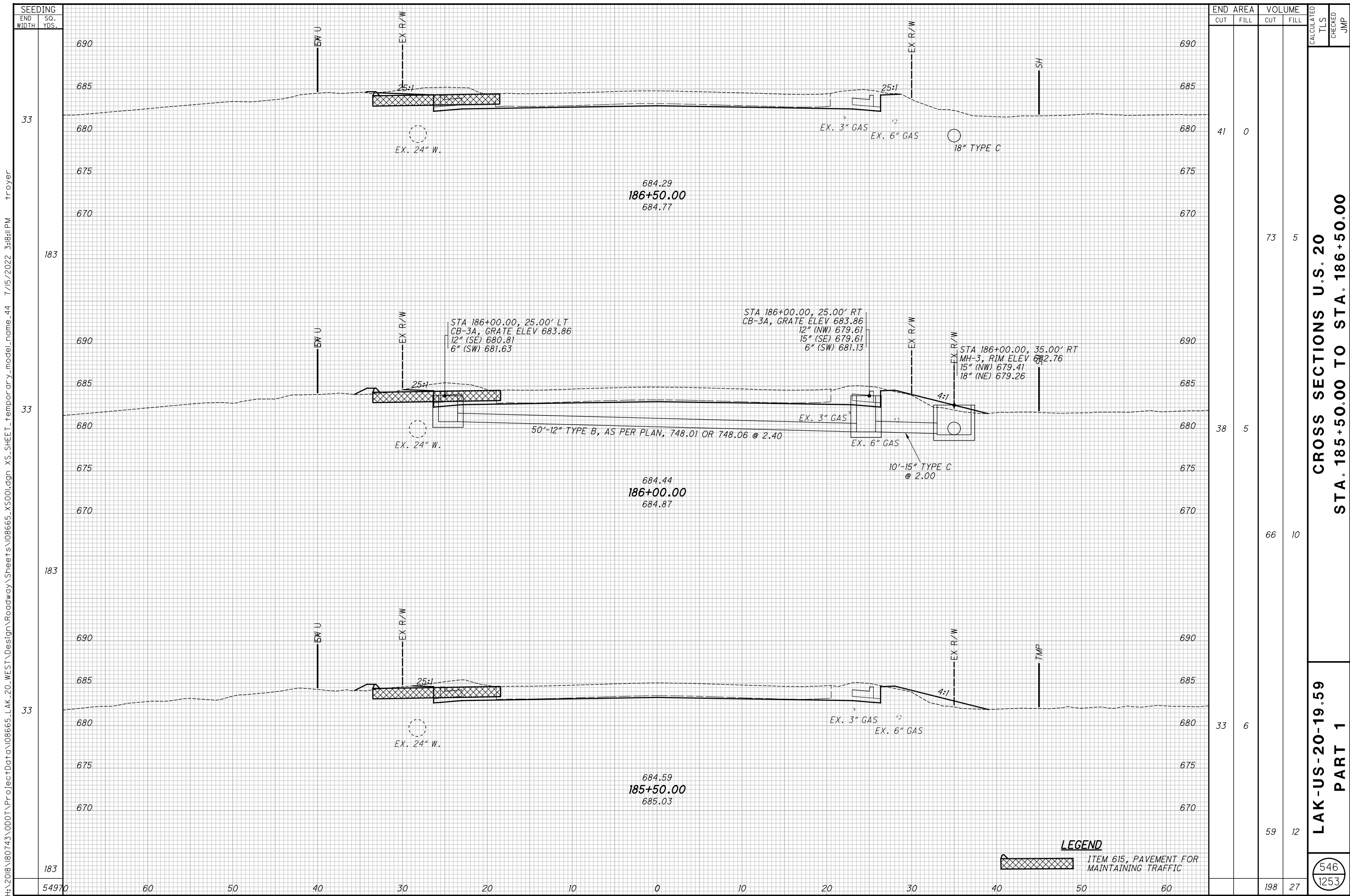
CROSS SECTIONS U.S. 20  
 STA. 184+00.00 TO STA. 185+00.00

LAK-US-20-19.59  
 PART 1

545  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_43 7/15/2022 3:18:09 PM Troyer



END AREA	VOLUME	CALCULATED	CHECKED	JMP
41	0			
	73	5		
38	5			
	66	10		
33	6			
	59	12		
	198	27		

**CROSS SECTIONS U.S. 20**  
**STA. 185+50.00 TO STA. 186+50.00**

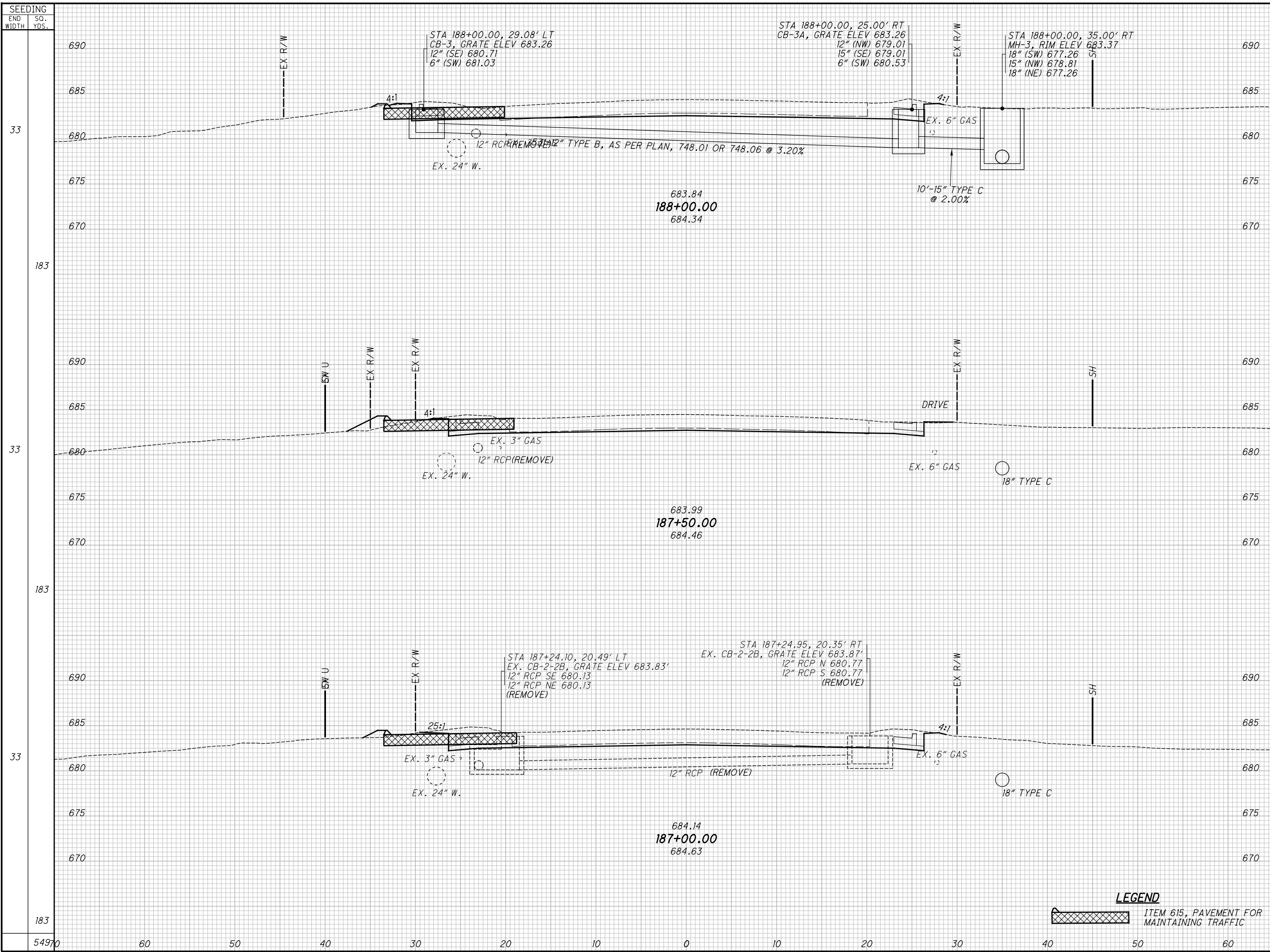
**LAK-US-20-19.59**  
**PART 1**

546  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name\_44 7/15/2022 3:18:11 PM troyer

H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_45 7/15/2022 3:18:12 PM troyer



END AREA	VOLUME	CALCULATED	TLS	CHECKED	JMP
37	0				
29	0				
36	0				
192	0				

CROSS SECTIONS U.S. 20  
STA. 187+00.00 TO STA. 188+00.00

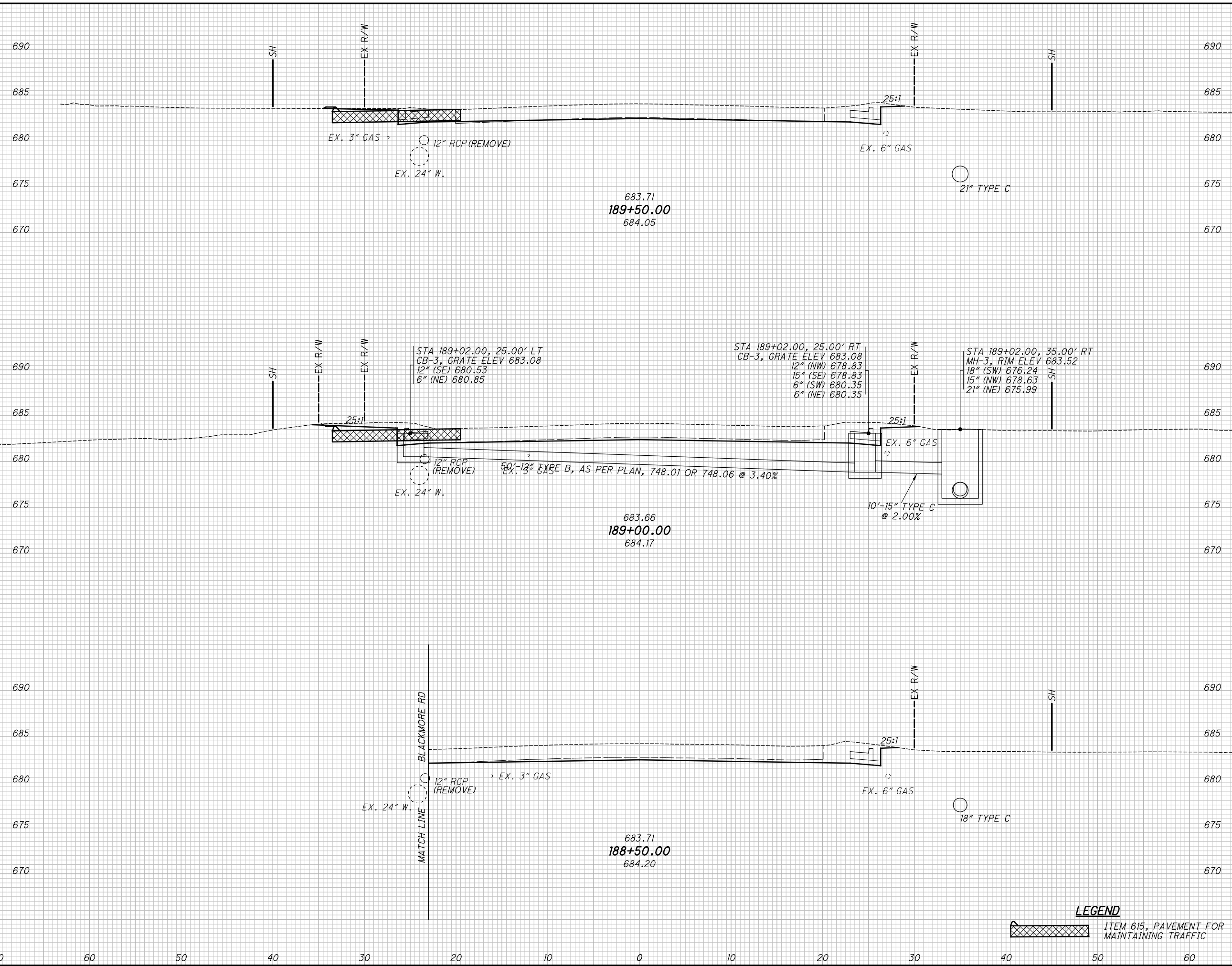
LAK-US-20-19.59  
PART 1

547  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_46 7/15/2022 3:18:13 PM troyer

SEEDING	
END WIDTH	SO. YDS.
33	183
33	144
19	144
471	70



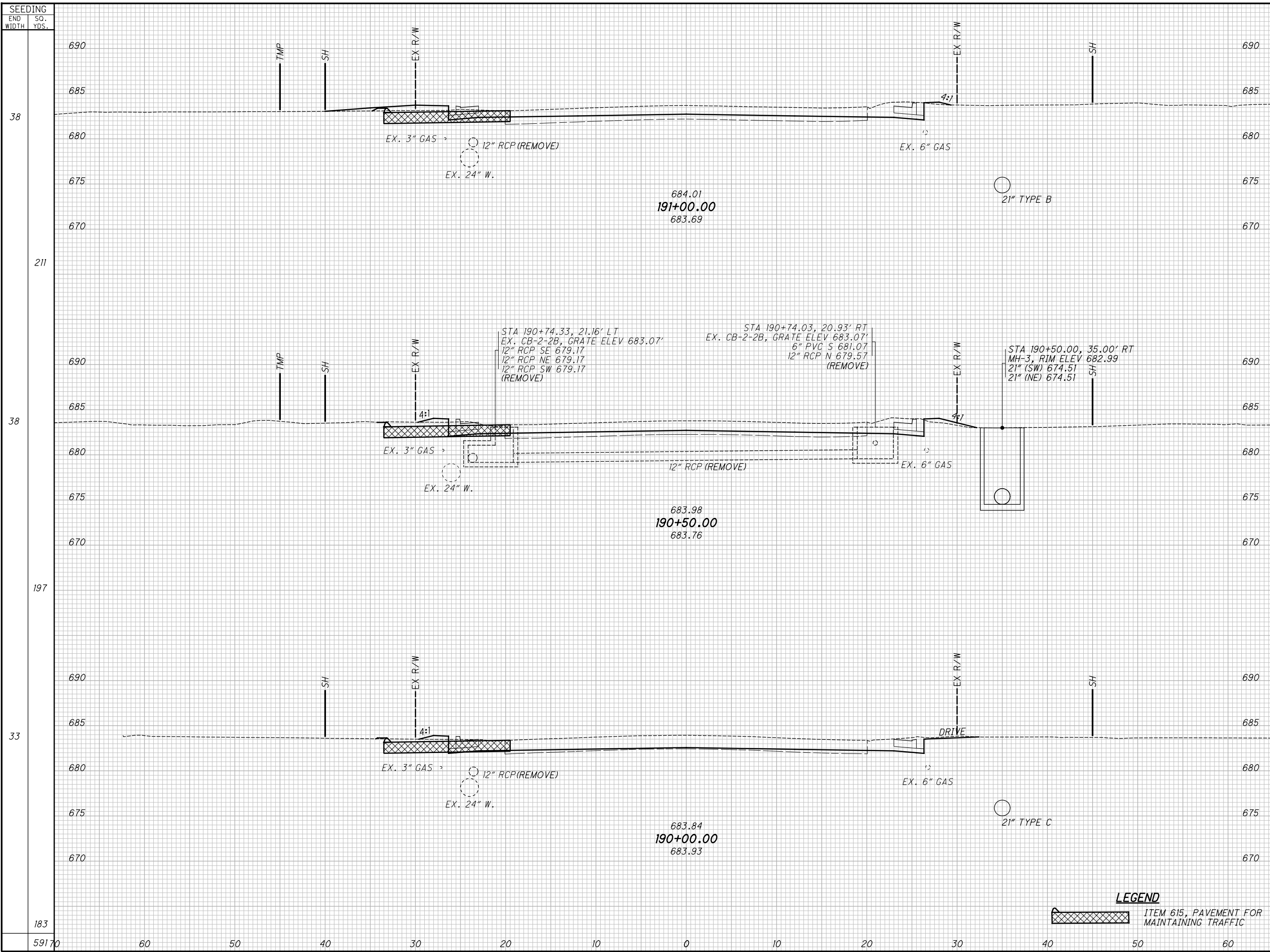
END AREA		VOLUME	
CUT	FILL	CUT	FILL
24	0	58	0
39	0	58	0
24	0	56	0
		172	0

**CROSS SECTIONS U.S. 20**  
**STA. 188+50.00 TO STA. 189+50.00**  
**LAK-US-20-19.59**  
**PART 1**  
 CALCULATED  
 T.L.S.  
 CHECKED  
 J.M.P.

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

548  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name\_47 7/15/2022 3:18:45 PM troyer



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
38	16	6					
211			31	8			
38	18	3					
197			33	4			
33	18	1					
183			39	1			
59170			103	13			

**CROSS SECTIONS U.S. 20  
STA. 190+00.00 TO STA. 191+00.00**

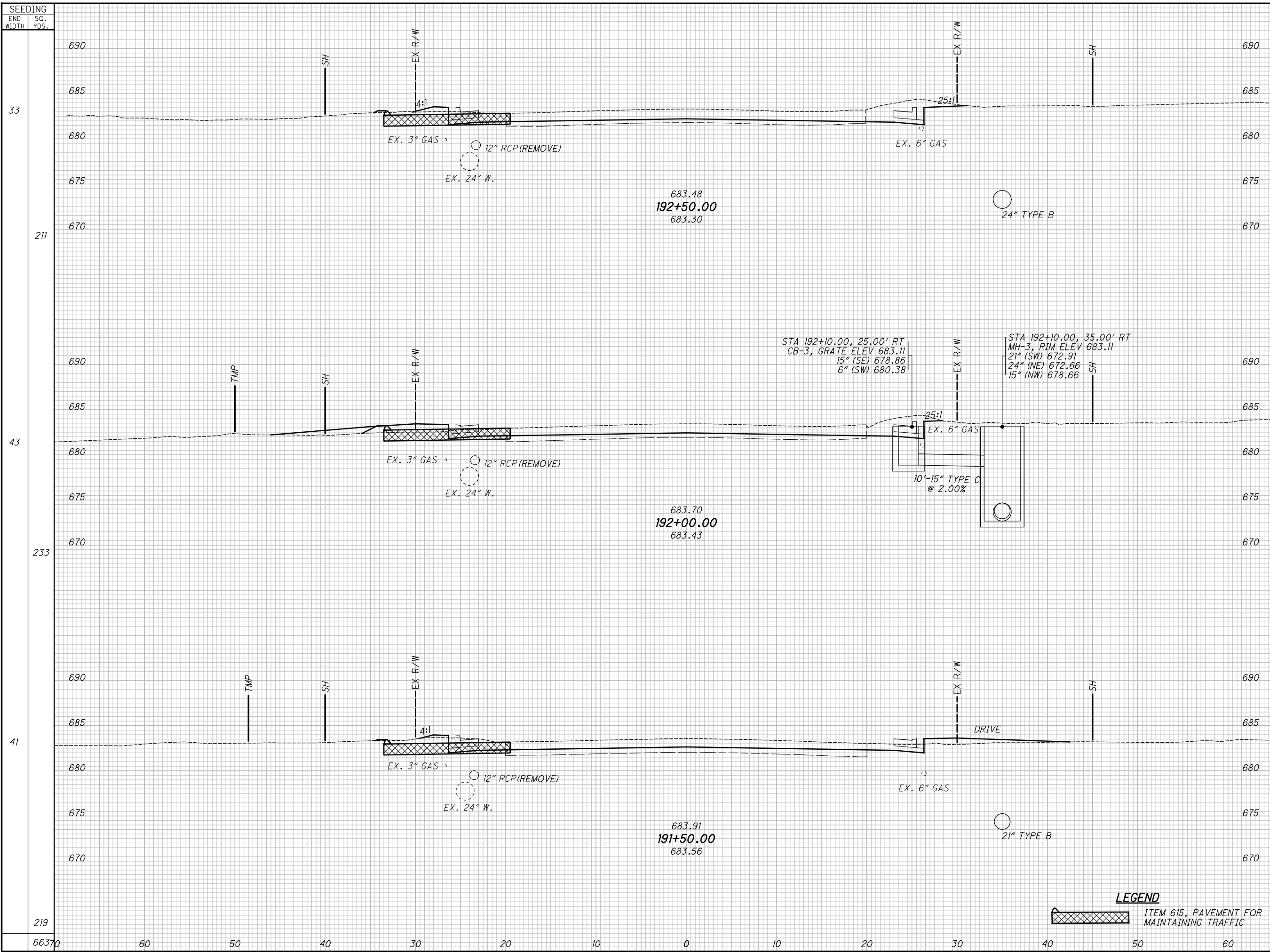
**LAK-US-20-19.59  
PART 1**

549  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_48 7/15/2022 3:18:16 PM troyer



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
33	23	1					
211			38	12			
43	18	12					
233			29	18			
41	13	7					
219			27	12			
66370	60	50	94	42			

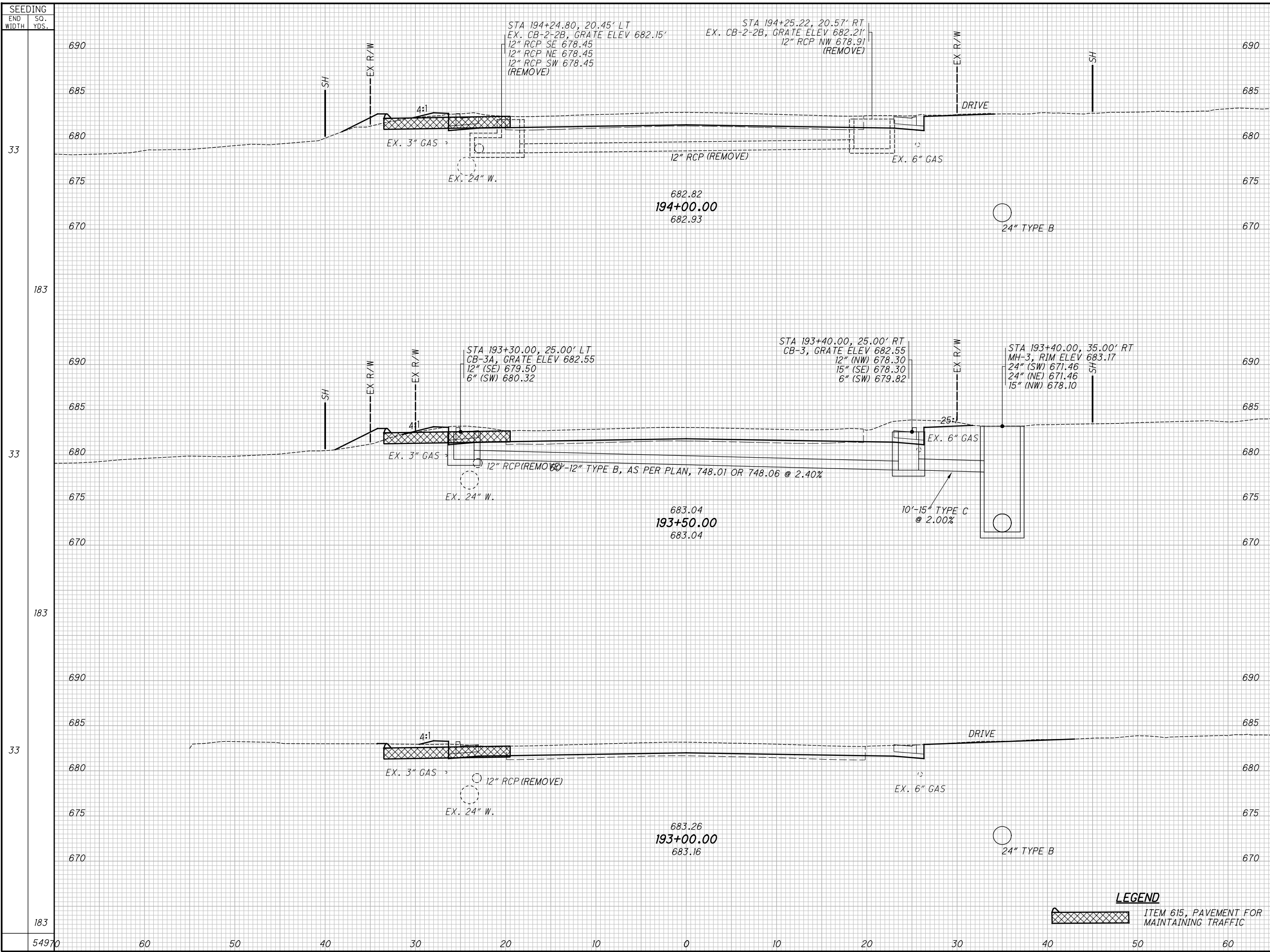
**CROSS SECTIONS U.S. 20  
STA. 191+50.00 TO STA. 192+50.00**

**LAK-US-20-19.59  
PART 1**

550  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_49 7/15/2022 3:18:17 PM troyer



END AREA	VOLUME	CALCULATED	CHECKED	JMP
20	1			
44	2			
28	1			
42	2			
17	1			
37	2			
123	6			

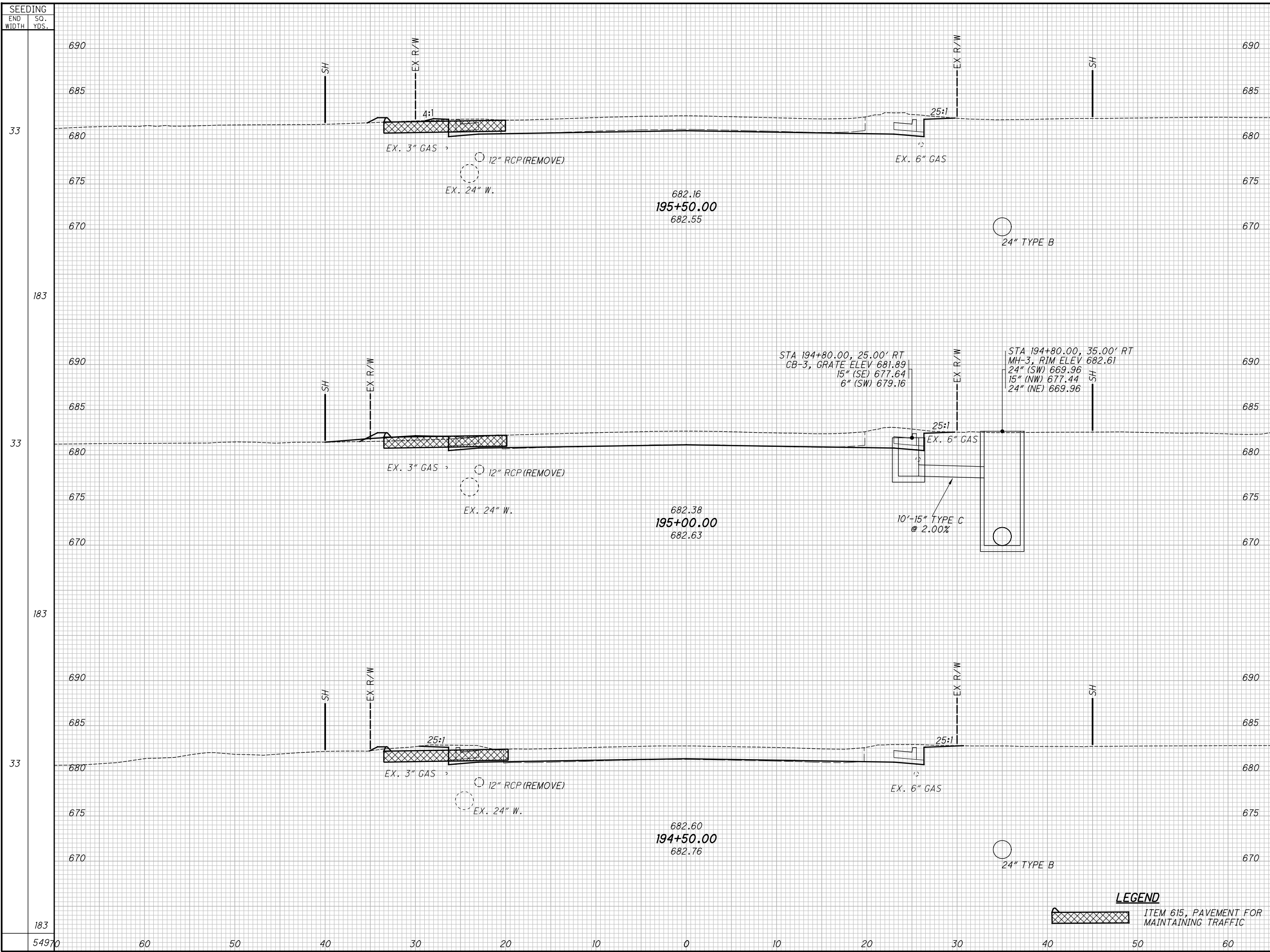
**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

**CROSS SECTIONS U.S. 20**  
**STA. 193+00.00 TO STA. 194+00.00**

**LAK-US-20-19.59**  
**PART 1**

551  
 1253

H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_50 7/15/2022 3:18:19 PM troyer



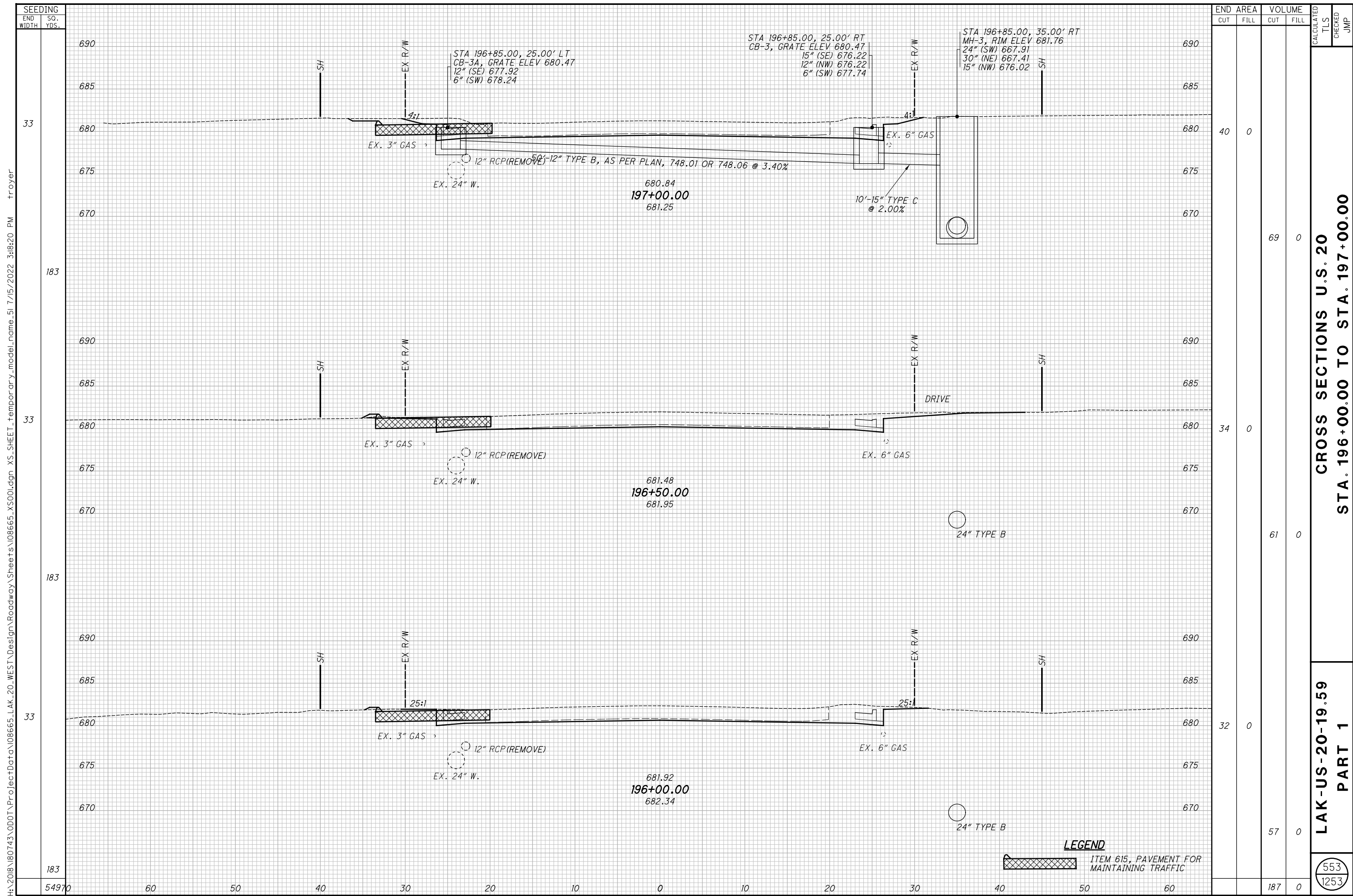
END AREA	VOLUME	CALCULATED		CHECKED	JMP
		CUT	FILL		
30	0				
23	4				
44	4				
25	0				
42	1				
135	9				

**CROSS SECTIONS U.S. 20  
STA. 194+50.00 TO STA. 195+50.00**

**LAK-US-20-19.59  
PART 1**

552  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



END STA	AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
197+00.00	40	0	69	0			
196+50.00	34	0	61	0			
196+00.00	32	0	57	0			
<b>TOTAL</b>	<b>106</b>	<b>0</b>	<b>187</b>	<b>0</b>			

**CROSS SECTIONS U.S. 20**  
**STA. 196+00.00 TO STA. 197+00.00**

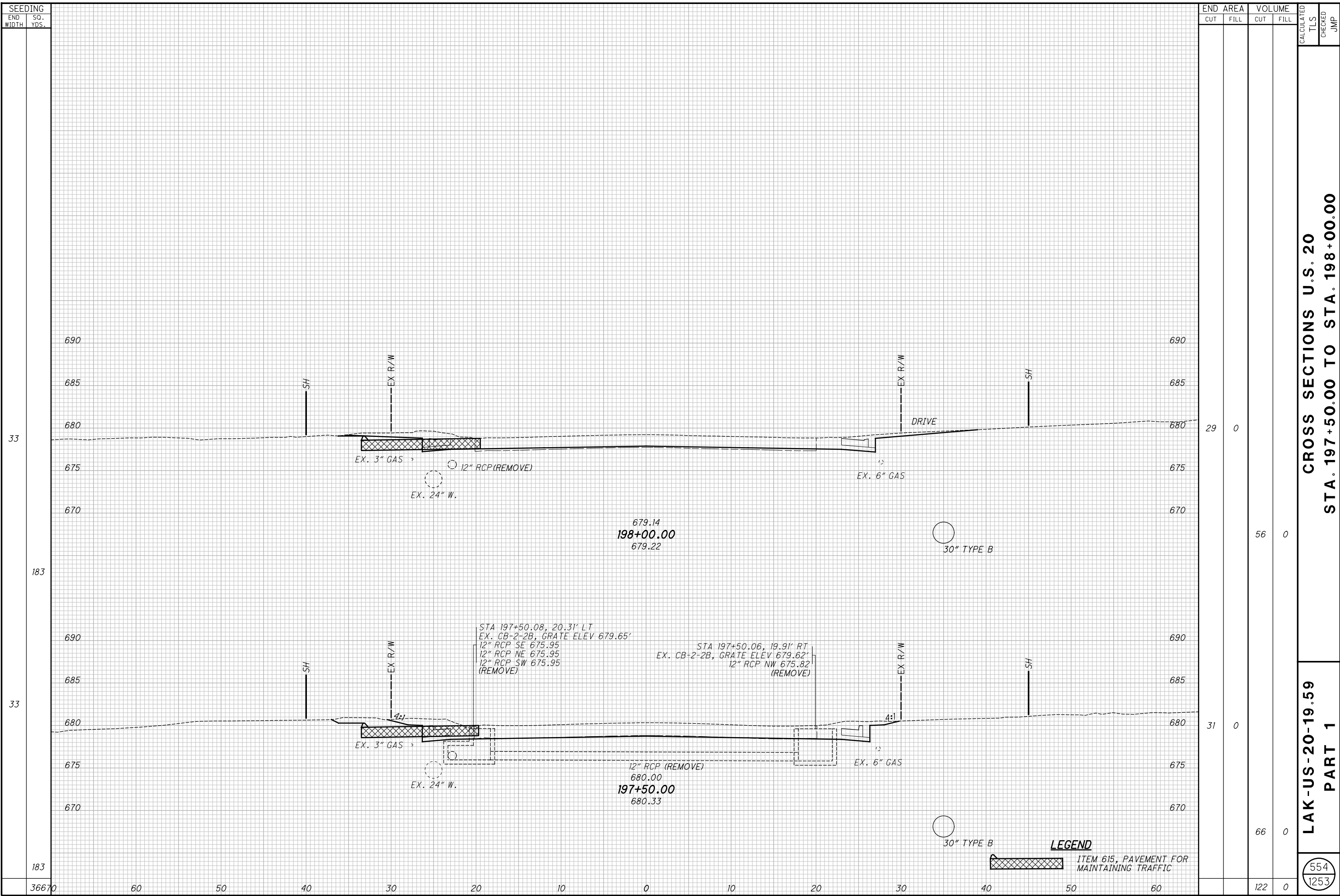
**LAK-US-20-19.59**  
**PART 1**

553  
 1253

SEEDING  
 END WIDTH SO. YDS.  
 33  
 183  
 33  
 183  
 33  
 183  
 54970

H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name\_51 7/15/2022 3:18:20 PM Troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_52 7/15/2022 3:18:21PM Troyer

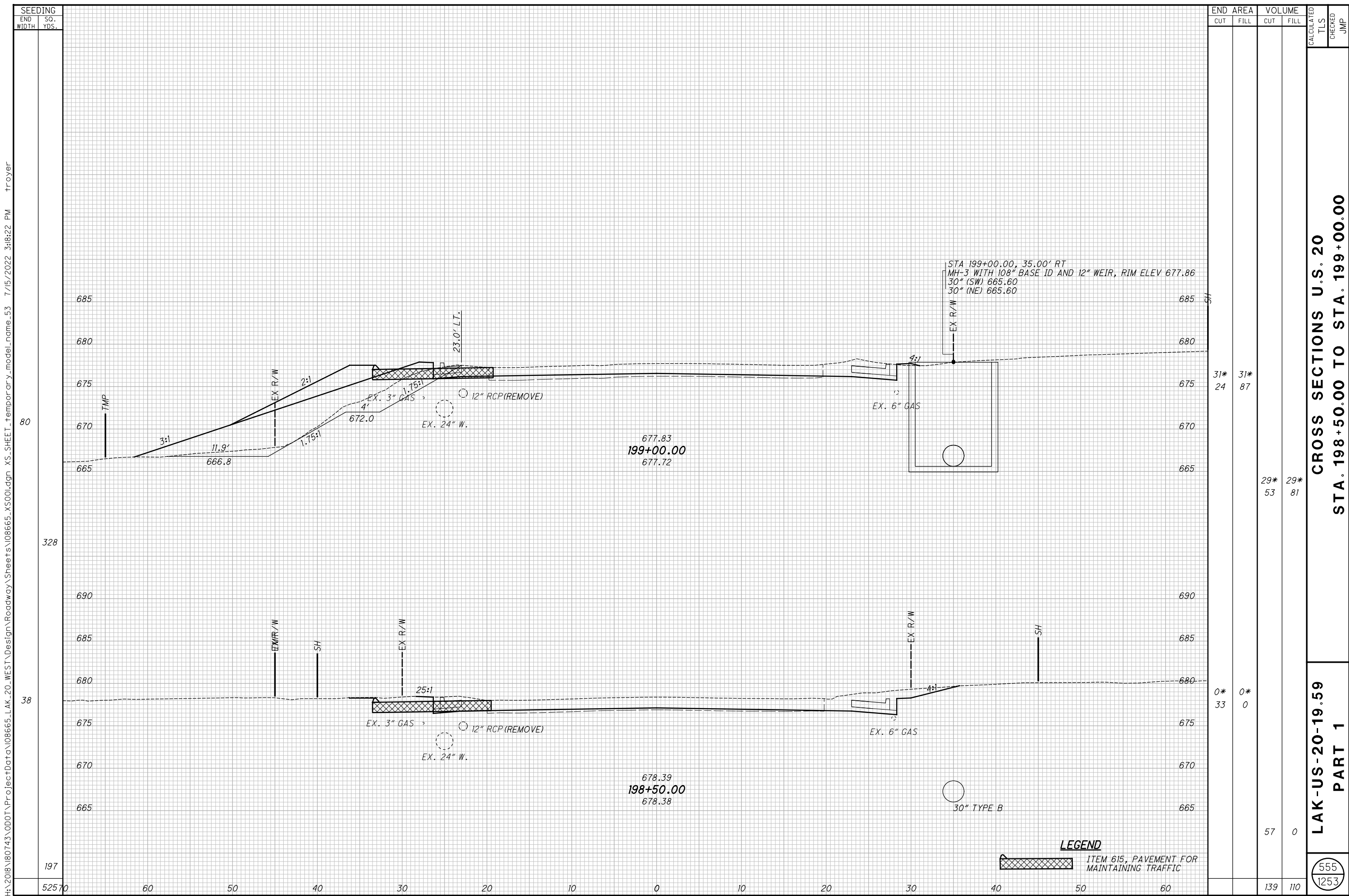


SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
END WIDTH						
SO. YDS.						
33	29	0				
183			56	0		
33	31	0				
183			66	0		
36670			122	0		

CROSS SECTIONS U.S. 20  
STA. 197+50.00 TO STA. 198+00.00

LAK-US-20-19.59  
PART 1

554  
1253



SEEDING	
END WIDTH	SO. YDS.
525	70
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
31*	24	31*	87		
29*	53	29*	81		
0*	33	0*	0		
		57	0		
		139	110		

**CROSS SECTIONS U.S. 20**  
**STA. 198+50.00 TO STA. 199+00.00**

**LAK-US-20-19.59**  
**PART 1**

555  
 1253

**LEGEND**  
 [Hatched Box] ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

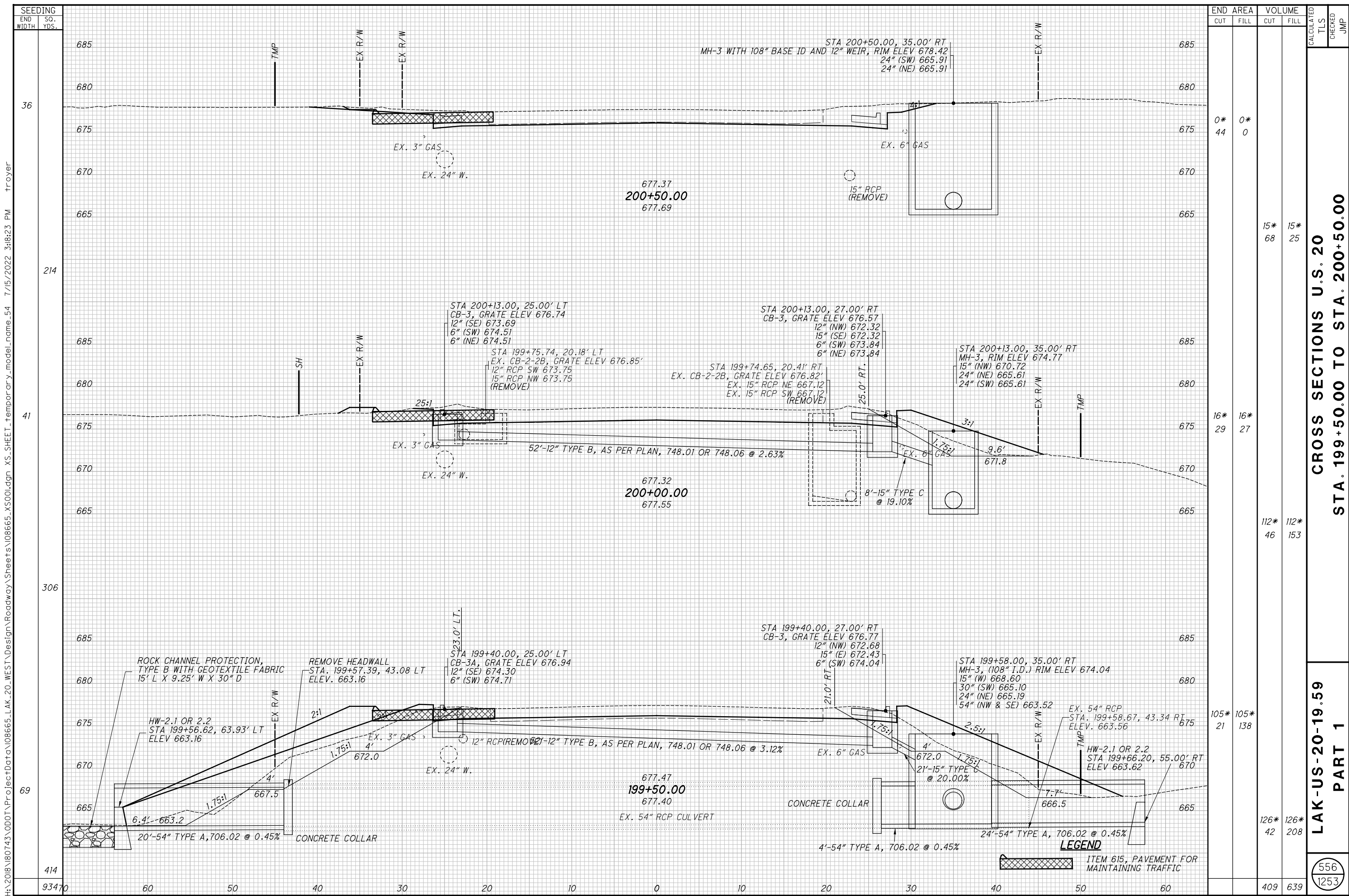
30" TYPE B

STA 199+00.00, 35.00' RT  
 MH-3 WITH 108" BASE ID AND 12" WEIR, RIM ELEV 677.86  
 30" (SW) 665.60  
 30" (NE) 665.60

677.83  
 199+00.00  
 677.72

678.39  
 198+50.00  
 678.38

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_53 7/15/2022 3:18:22 PM Troyer

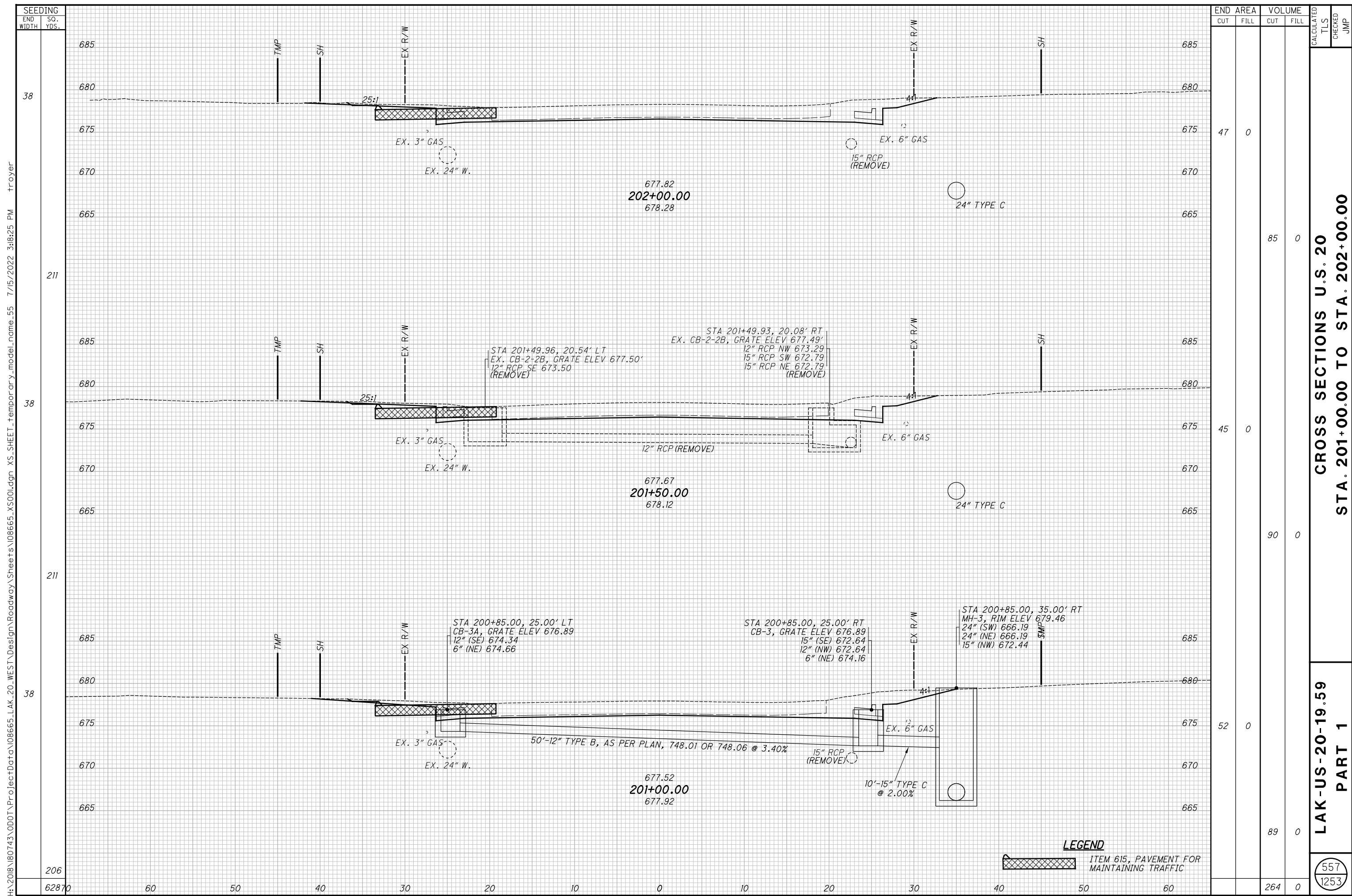


CROSS SECTIONS U.S. 20  
STA. 199+50.00 TO STA. 200+50.00

LAK-US-20-19.59  
PART 1

556  
1253

H:\2018\80743\0D01\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET temporary\_model\_name\_54 7/15/2022 3:18:23 PM Troyer



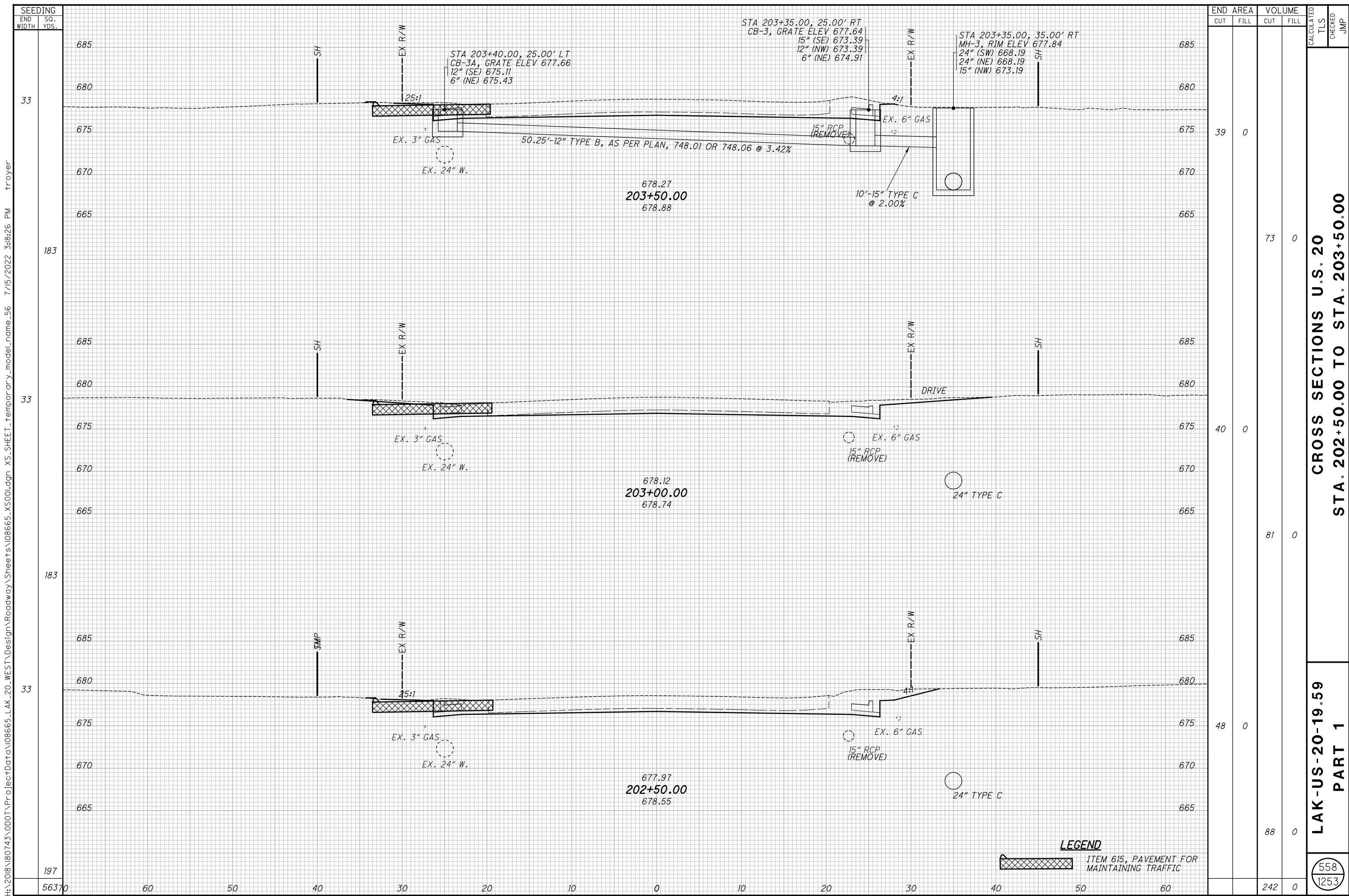
H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_55 7/15/2022 3:18:25 PM Troyer

**CROSS SECTIONS U.S. 20**  
**STA. 201+00.00 TO STA. 202+00.00**  
**LAK-US-20-19.59**  
**PART 1**

557  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC





SEEDING	
END WIDTH	SO. YDS.
33	685
33	680
33	675
33	670
33	665
33	685
33	680
33	675
33	670
33	665
33	685
33	680
33	675
33	670
33	665
33	685
33	680
33	675
33	670
33	665
197	685
197	680
197	675
197	670
197	665

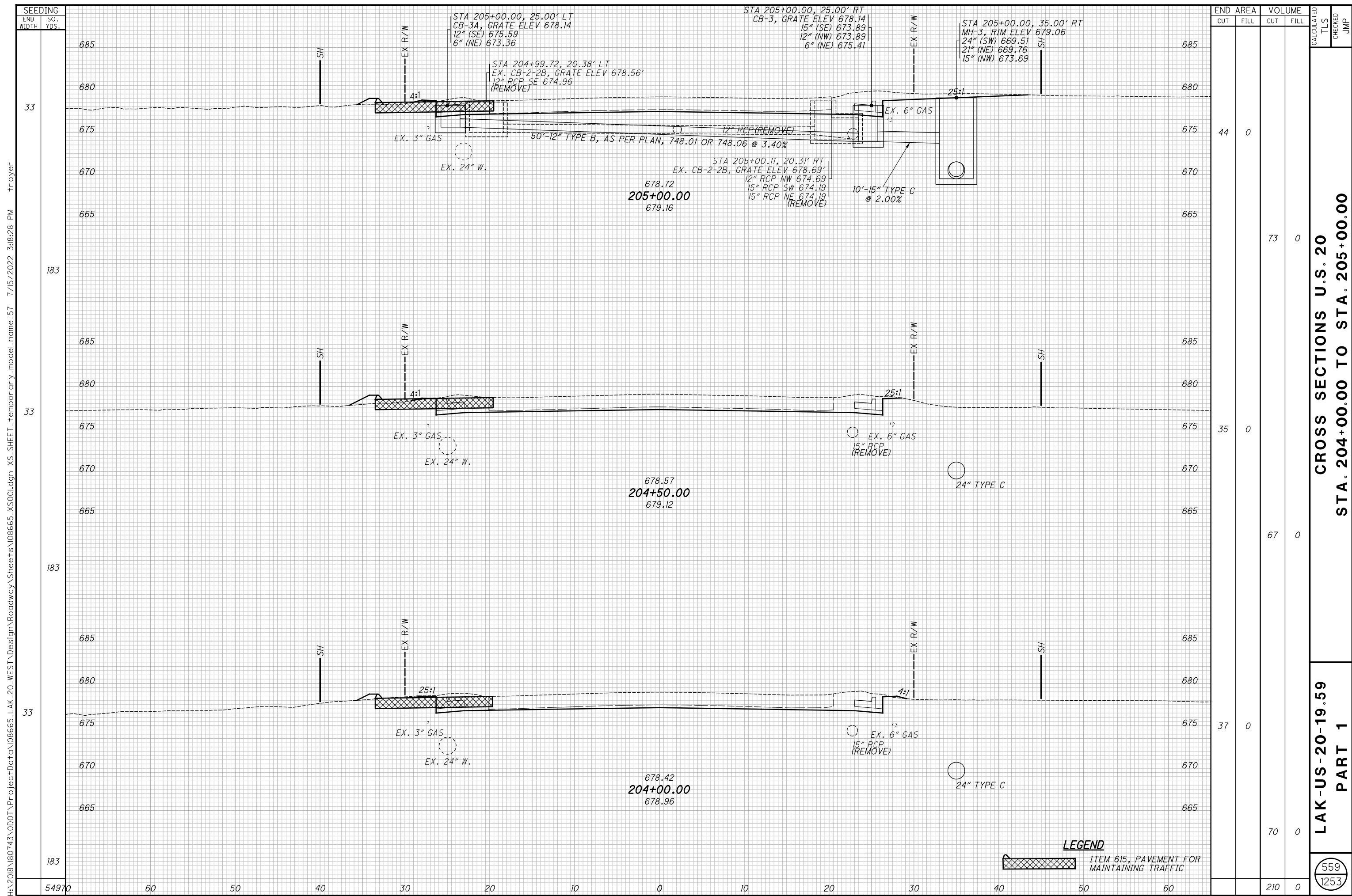
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
39	0	73	0		
40	0	81	0		
48	0	88	0		
		242	0		

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**PART 1**  
**STA. 202+50.00 TO STA. 203+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

558  
 1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_56 7/15/2022 3:18:26 PM Troyer



END STA	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
205+00.00	44	0	73	0		
204+50.00	35	0	67	0		
204+00.00	37	0	70	0		
TOTAL			210	0		

**CROSS SECTIONS U.S. 20**  
**STA. 204+00.00 TO STA. 205+00.00**

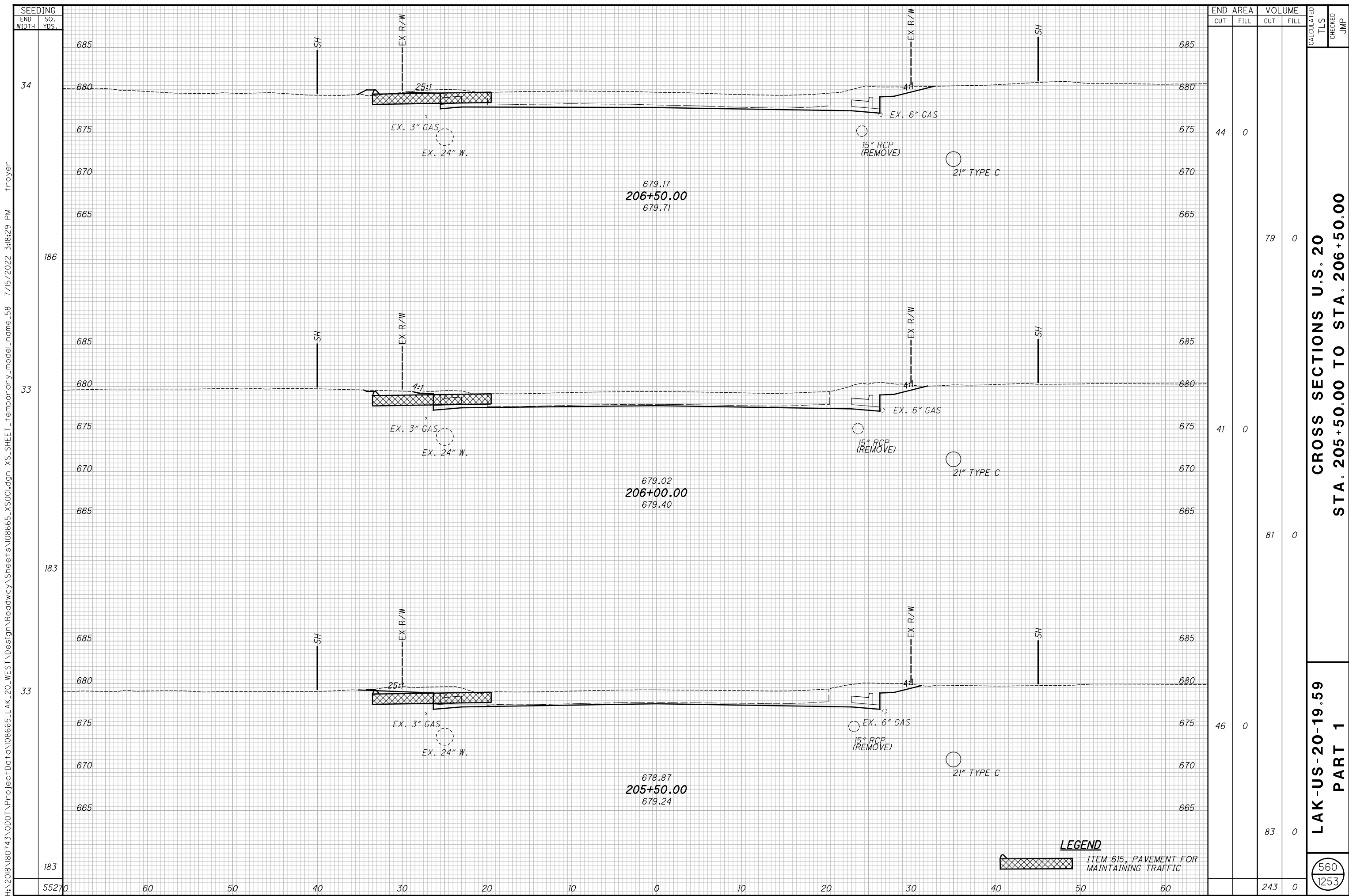
**LAK-US-20-19.59**  
**PART 1**

559  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

SEEDING  
 END WIDTH SO. YDS.  
 54970 60 50 40 30 20 10 0 10 20 30 40 50 60  
 183 33 183 33 183 33 183

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name\_57 7/15/2022 3:18:28 PM Troyer



SEEDING	
END WIDTH	SO. YDS.
34	186
33	183
33	183
183	55270

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	TLS	JMP
44	0	79	0		
41	0	81	0		
46	0	83	0		
		243	0		

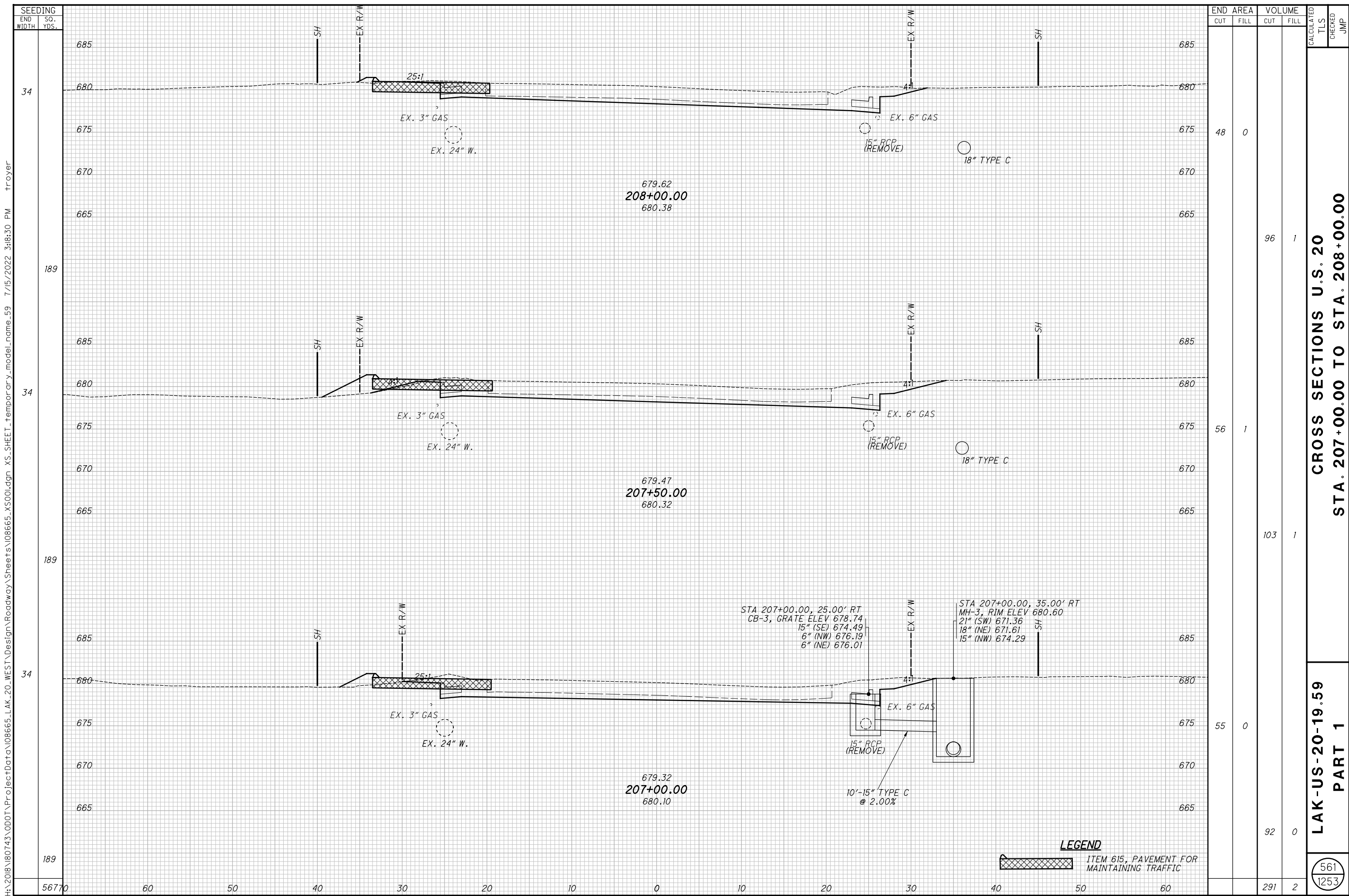
**CROSS SECTIONS U.S. 20**  
**STA. 205+50.00 TO STA. 206+50.00**

**LAK-US-20-19.59**  
**PART 1**

560  
 1253

**LEGEND**  
 [Hatched Box] ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_58 7/15/2022 3:18:29 PM Troyer



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	TLS	JMP	TLS	JMP
34	189	48	0	96	1				
34	189	56	1	103	1				
34	189	55	0	92	0				
56770				291	2				

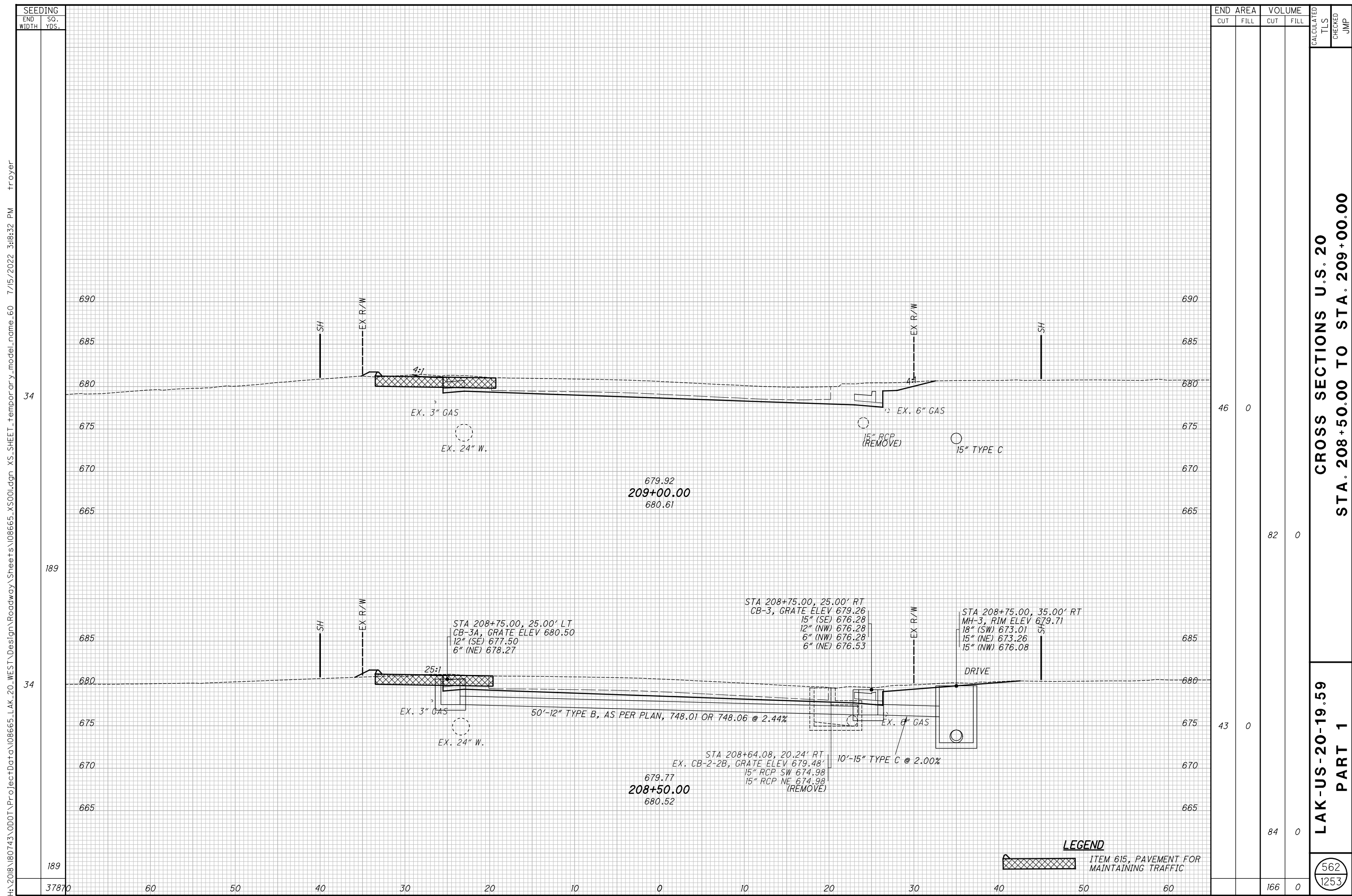
**CROSS SECTIONS U.S. 20**  
**STA. 207+00.00 TO STA. 208+00.00**

**LAK-US-20-19.59**  
**PART 1**

561  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING	
END WIDTH	SO. YDS.
34	
189	
34	
189	
37870	

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
46	0				
		82	0		
43	0				
		84	0		
		166	0		

**CROSS SECTIONS U.S. 20**  
**STA. 208+50.00 TO STA. 209+00.00**

**LAK-US-20-19.59**  
**PART 1**

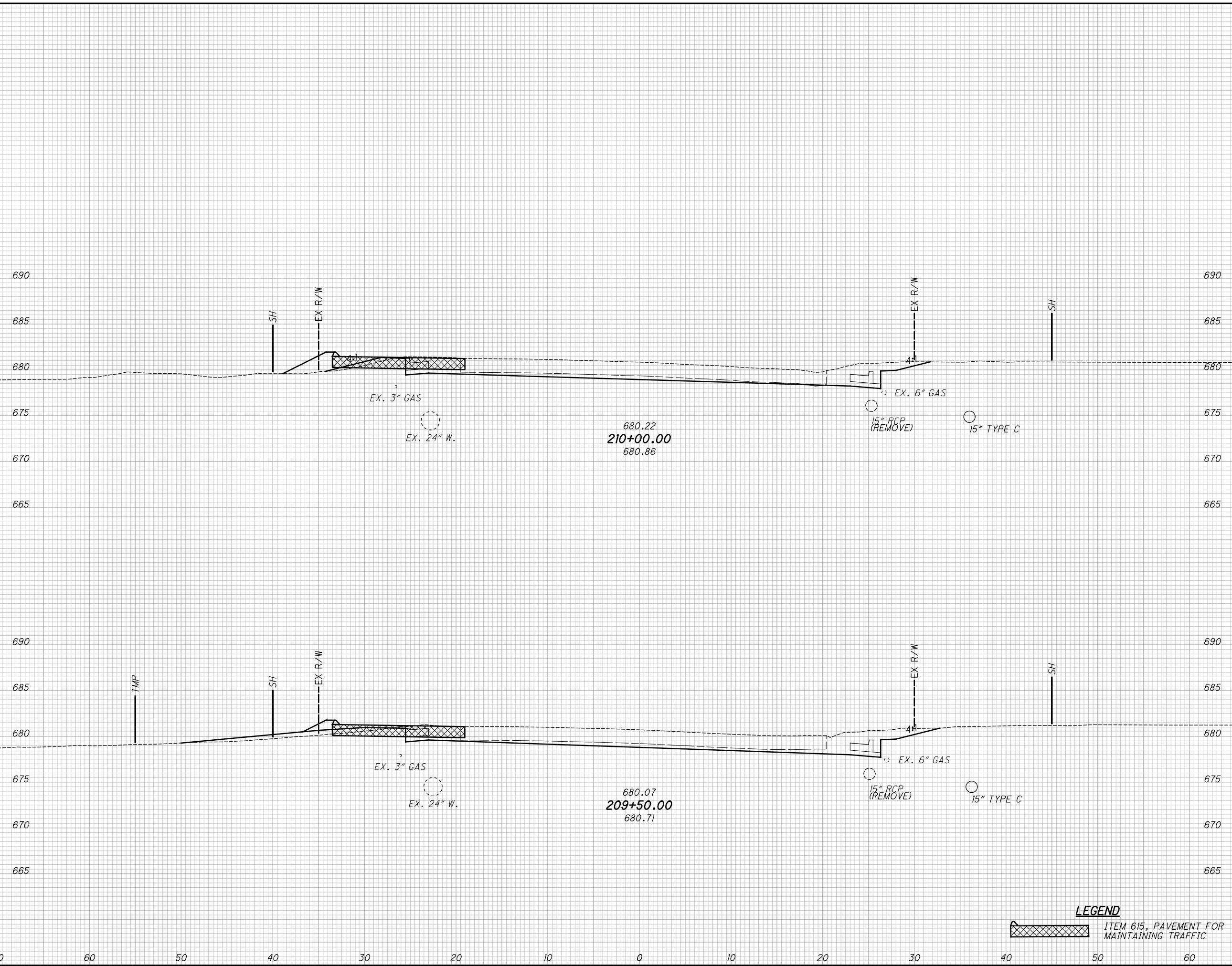
(562)  
(1253)

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_60 7/15/2022 3:18:32 PM Troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_617/15/2022 3:18:33 PM troyer

SEEDING	
END WIDTH	SO. YDS.
34	
49	
231	
46270	



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
		39	2		
		75	9		
		42	8		
		81	7		
		156	16		

**CROSS SECTIONS U.S. 20**  
**STA. 209+50.00 TO STA. 210+00.00**

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

563  
1253



SEEDING	
END WIDTH	SO. YDS.
38	19
214	38
39	22
217	47
39	29
203	63
63470	148

END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	TLS	JMP	TLS	JMP
	4						
	38	9					
	6	12					
	7	8					
	63	29					
	148	29					

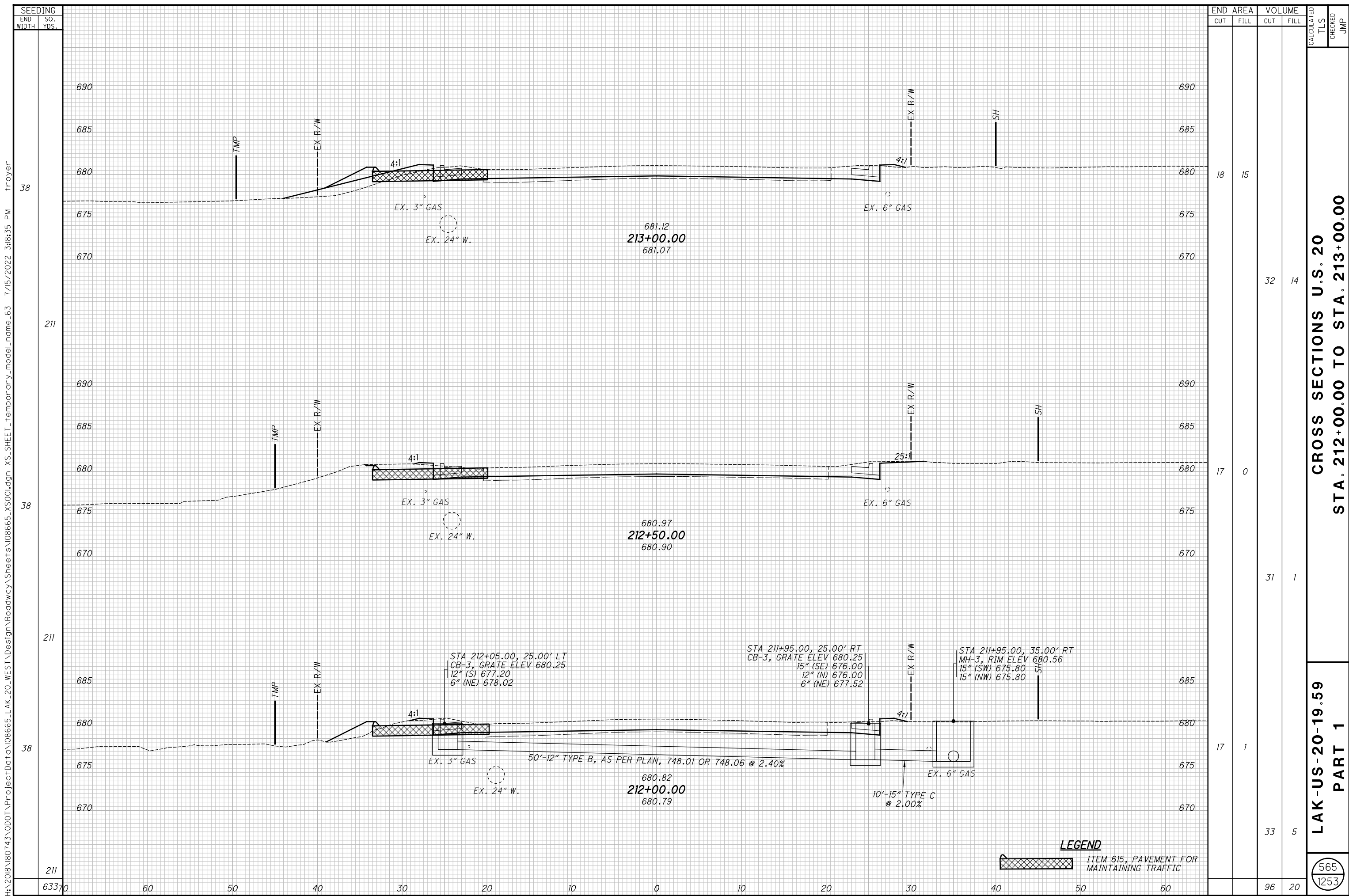
**CROSS SECTIONS U.S. 20**  
**STA. 210+50.00 TO STA. 211+50.00**

**LAK-US-20-19.59**  
**PART 1**

564  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_62 7/15/2022 3:18:34 PM Troyer



END STA	AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
213+00.00	18	15					
212+50.00	17	0					
212+00.00	17	1					
<b>TOTAL</b>	<b>52</b>	<b>16</b>	<b>32</b>	<b>14</b>			

**CROSS SECTIONS U.S. 20**  
**STA. 212+00.00 TO STA. 213+00.00**

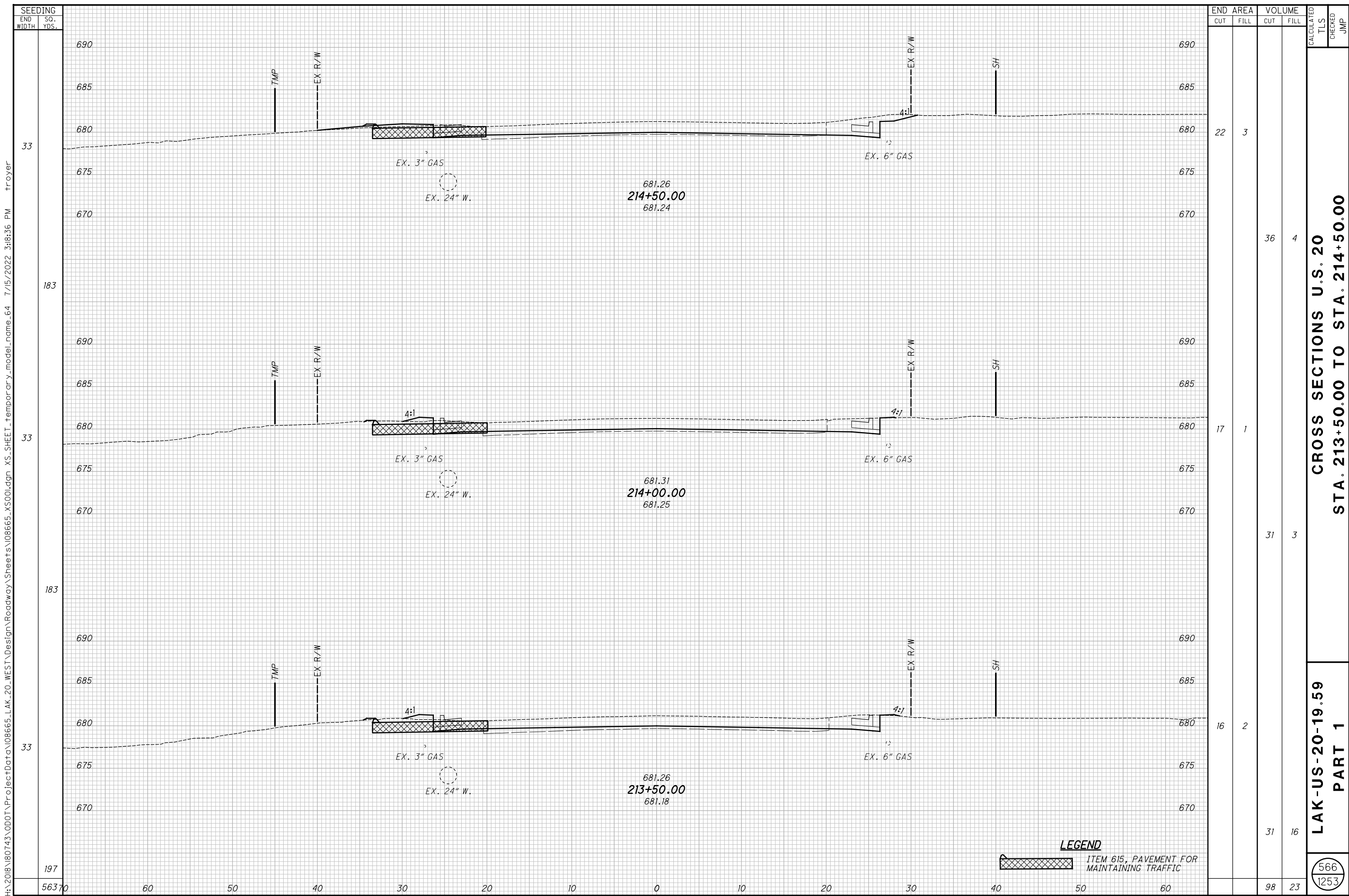
**LAK-US-20-19.59**  
**PART 1**

565  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

SEEDING  
 END WIDTH SO. YDS.  
 63370 60 50 40 30 20 10 0 10 20 30 40 50 60  
 211 38 211 38 211 38  
 H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_63 7/15/2022 3:18:35 PM Troyer





SEEDING  
 END SO.  
 WIDTH YDS.  
 33  
 183  
 33  
 183  
 33  
 197  
 56370

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
22	3				
		36	4		
17	1				
		31	3		
16	2				
		31	16		
		98	23		

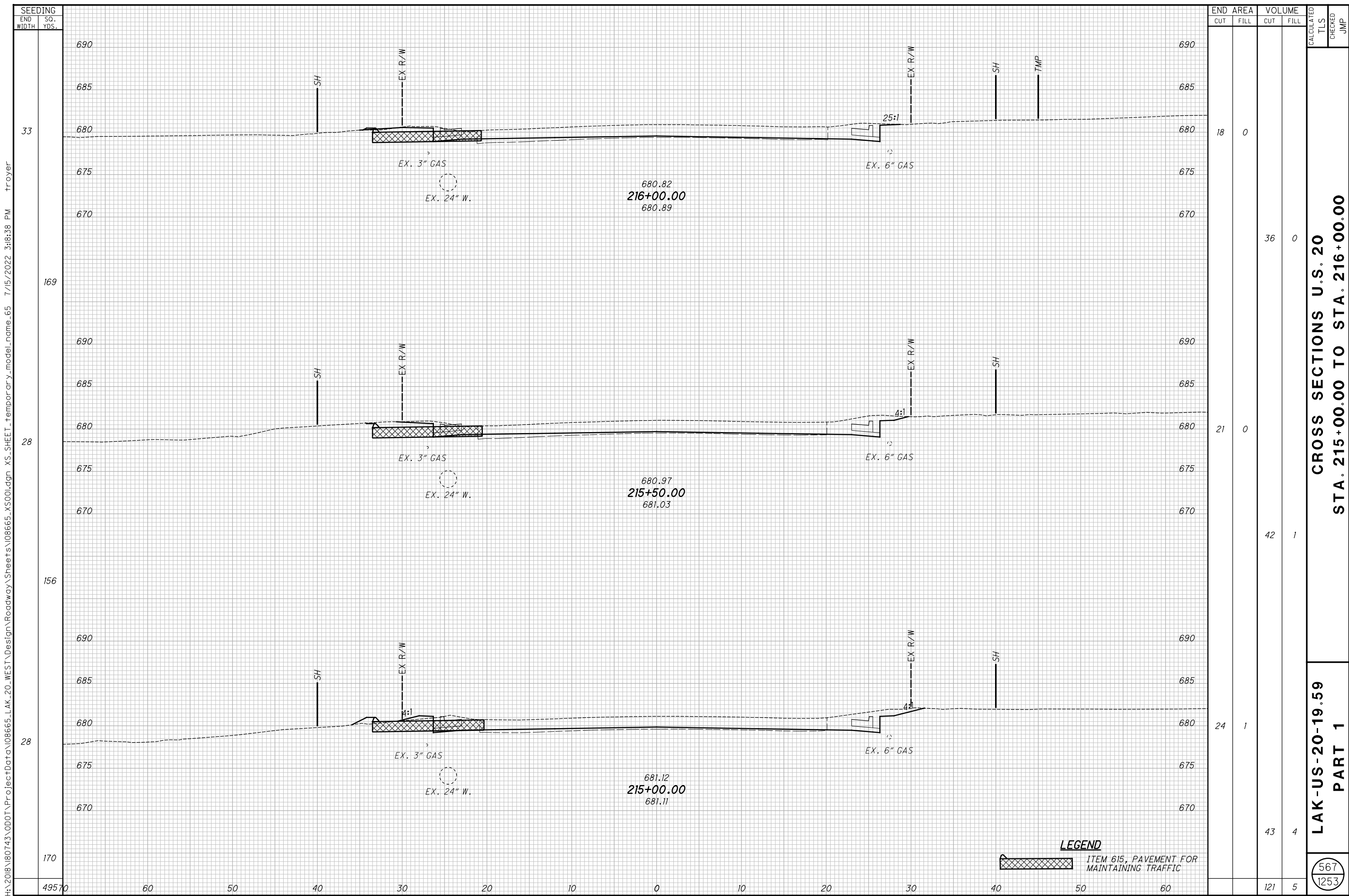
CROSS SECTIONS U.S. 20  
 STA. 213+50.00 TO STA. 214+50.00

LAK-US-20-19.59  
 PART 1

566  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR  
 MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET temporary\_model\_name\_64 7/15/2022 3:18:36 PM Troyer



SEEDING	
END WIDTH	SO. YDS.
33	169
28	156
28	170

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
18	0	36	0		
21	0	42	1		
24	1	43	4		
		121	5		

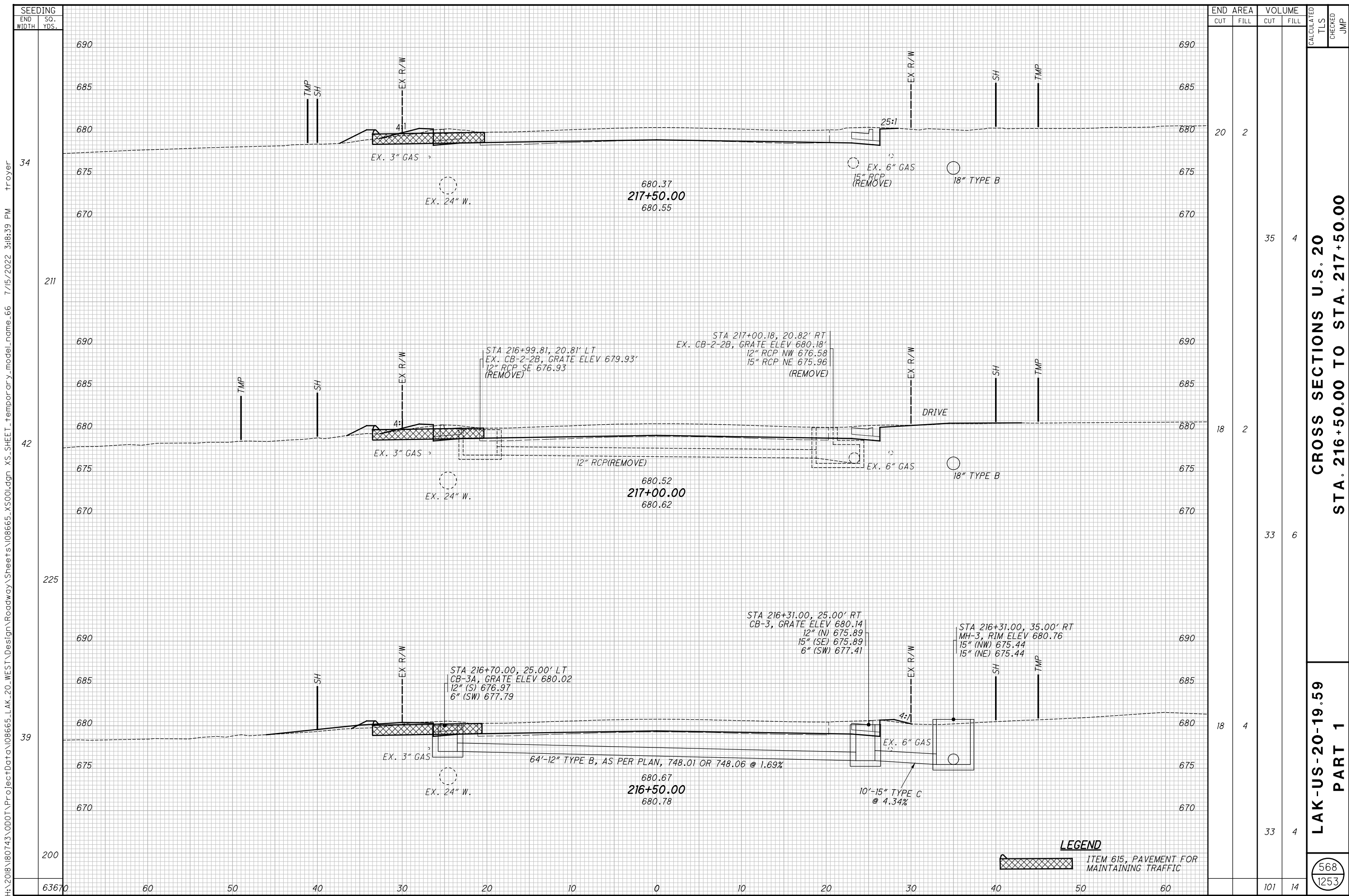
**CROSS SECTIONS U.S. 20**  
**STA. 215+00.00 TO STA. 216+00.00**

**LAK-US-20-19.59**  
**PART 1**

567  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_65 7/15/2022 3:18:38 PM Troyer



SEEDING	
END WIDTH	SO. YDS.
34	211
42	225
39	200

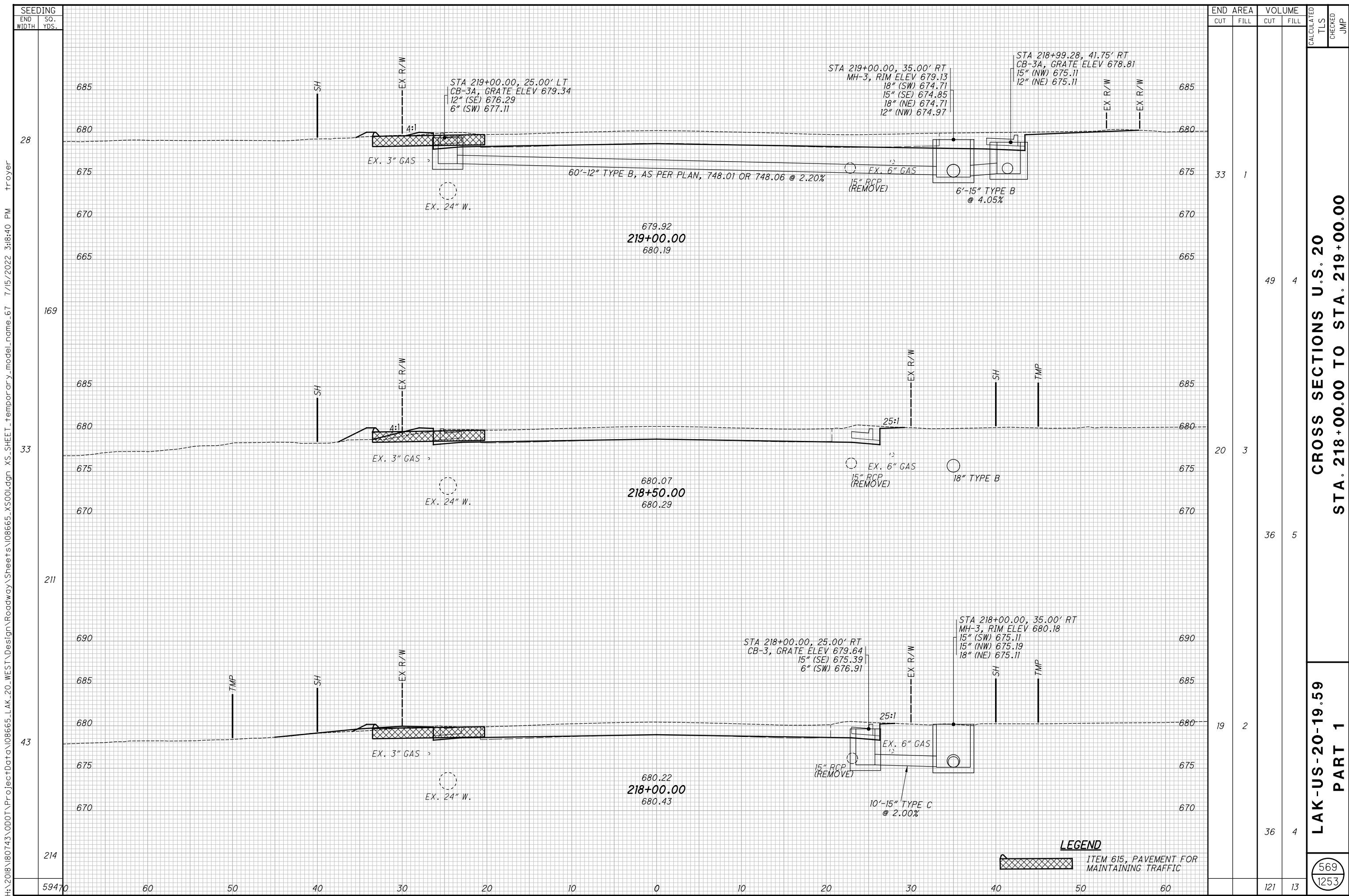
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
20	2				
		35	4		
18	2				
		33	6		
18	4				
		33	4		
		101	14		

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**PART 1**  
**STA. 216+50.00 TO STA. 217+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

568  
1253

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_66 7/15/2022 3:18:39 PM Troyer

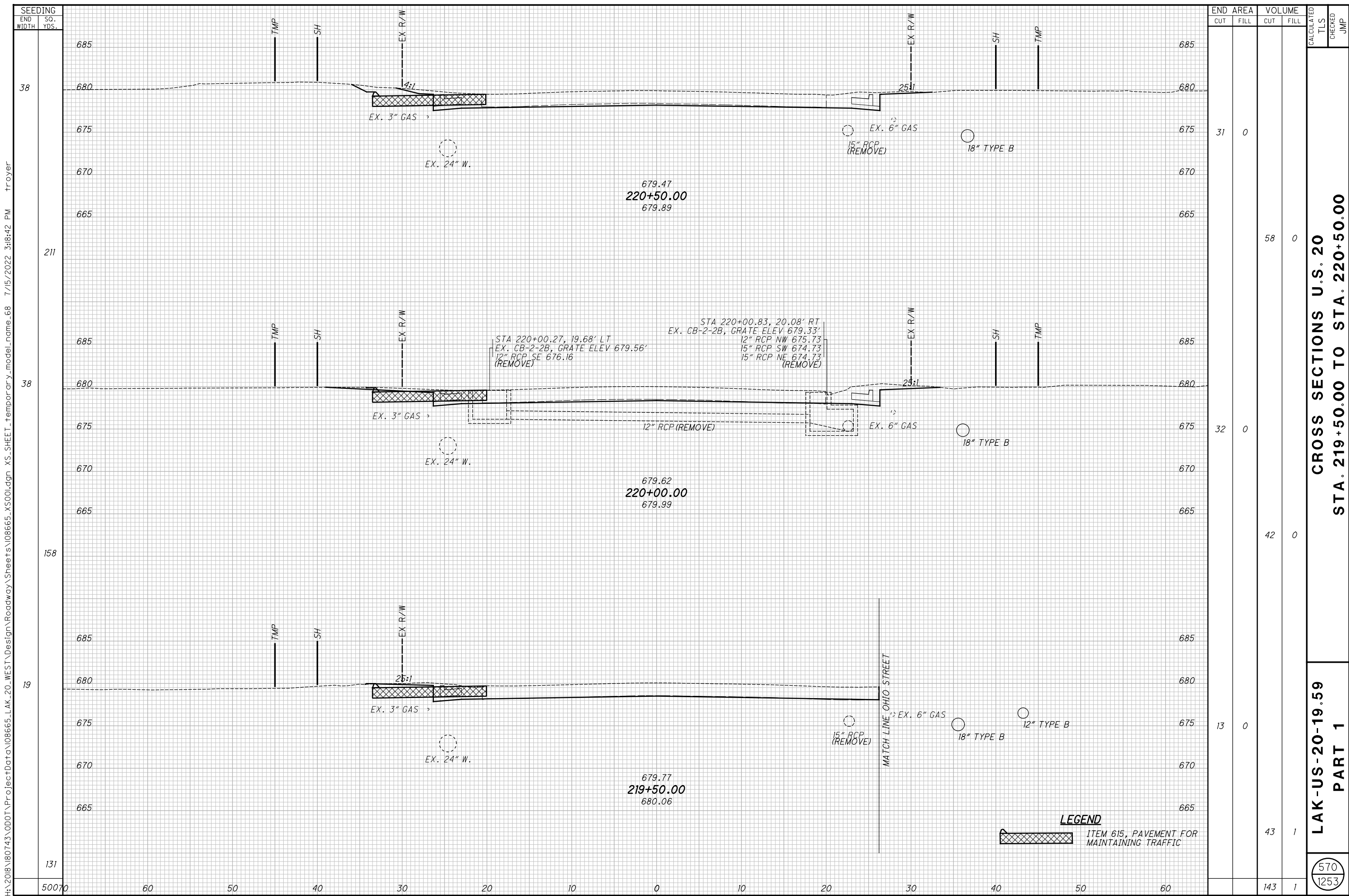


SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
28			33	1			
169			49	4			
33			20	3			
211			36	5			
43			19	2			
214			36	4			
59470	60	50	121	13			

LAK-US-20-19.59  
 PART 1  
 CROSS SECTIONS U.S. 20  
 STA. 218+00.00 TO STA. 219+00.00  
 569  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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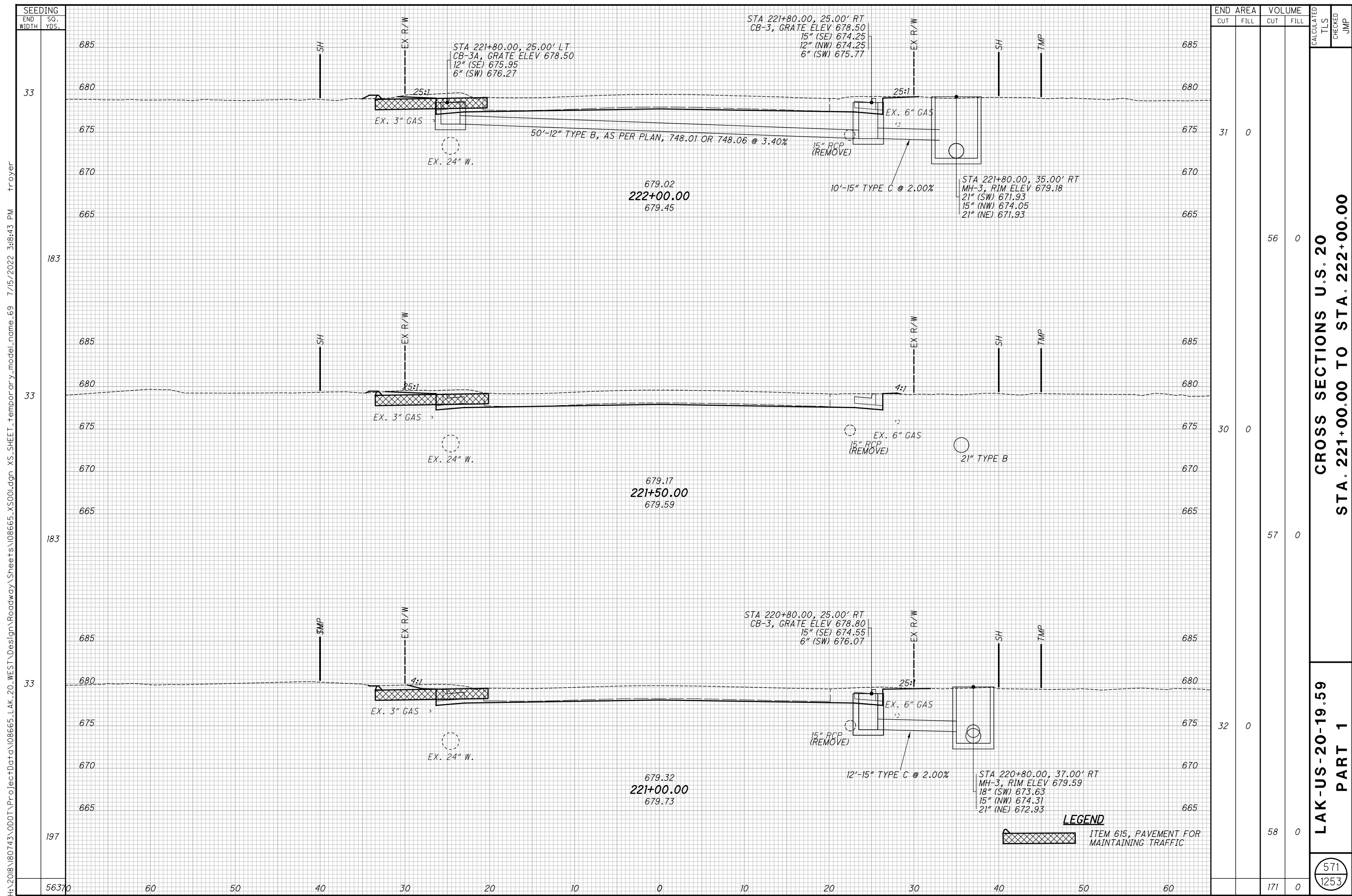


**CROSS SECTIONS U.S. 20**  
**STA. 219+50.00 TO STA. 220+50.00**

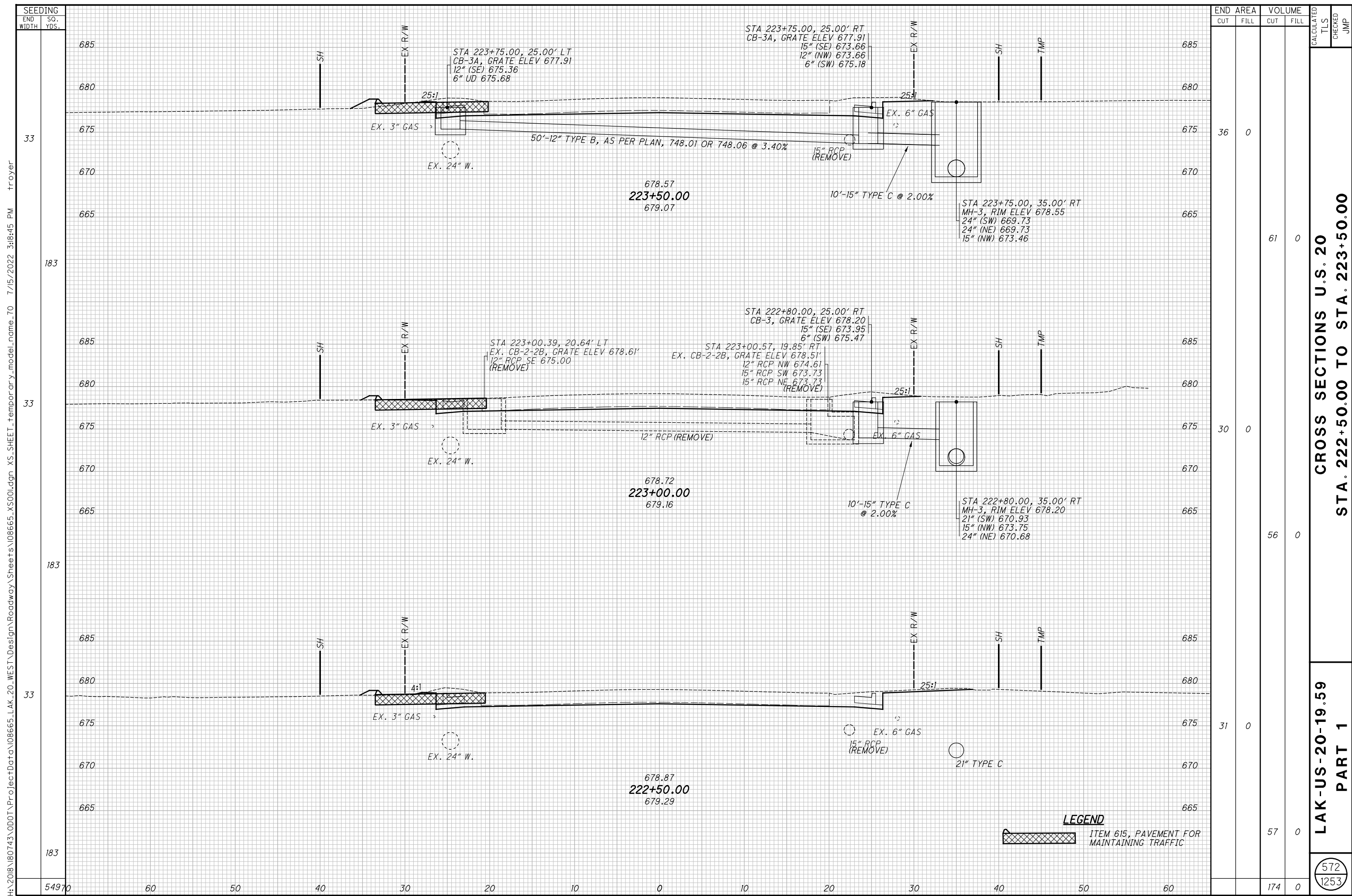
**LAK-US-20-19.59**  
**PART 1**

570  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET temporary\_model\_name\_68 7/15/2022 3:18:42 PM Troyer



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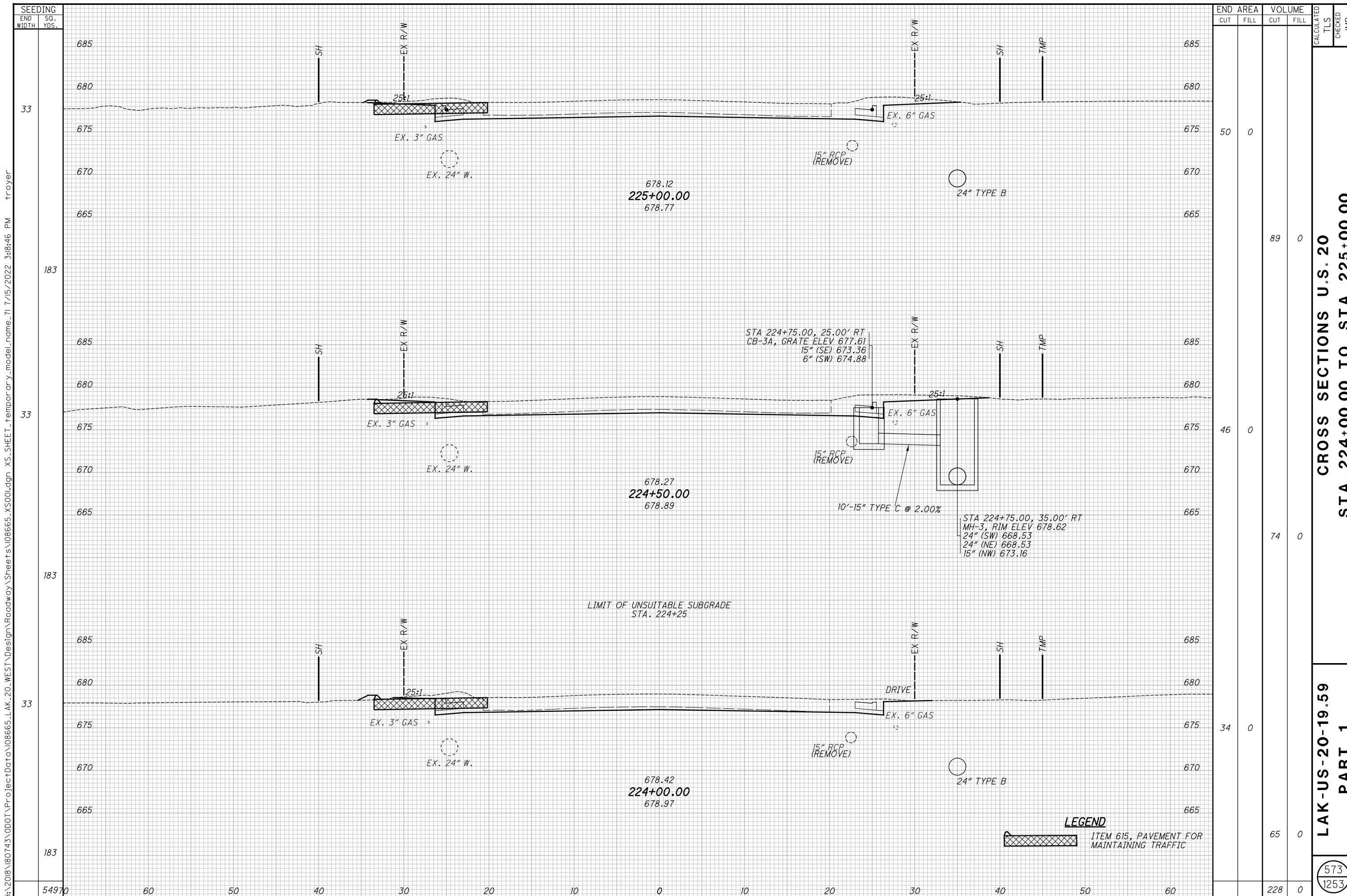
END STA	SEEDING		END AREA		VOLUME		CALCULATED	CHECKED	JMP
	END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL			
223+50.00	33		36	0					
223+00.00	33		30	0					
222+50.00	33		31	0					
					174	0			

**CROSS SECTIONS U.S. 20**  
**STA. 222+50.00 TO STA. 223+50.00**

**LAK-US-20-19.59**  
**PART 1**

572  
 1253

H:\2018\180743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name\_70 7/15/2022 3:18:45 PM troyer



SEEDING		END AREA		VOLUME		CALCULATED	CHECKED
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	TLS	JMP
33	183	50	0	89	0		
33	183	46	0	74	0		
33	183	34	0	65	0		
54970	60			228	0		

**CROSS SECTIONS U.S. 20  
STA. 224+00.00 TO STA. 225+00.00**

**LAK-US-20-19.59  
PART 1**

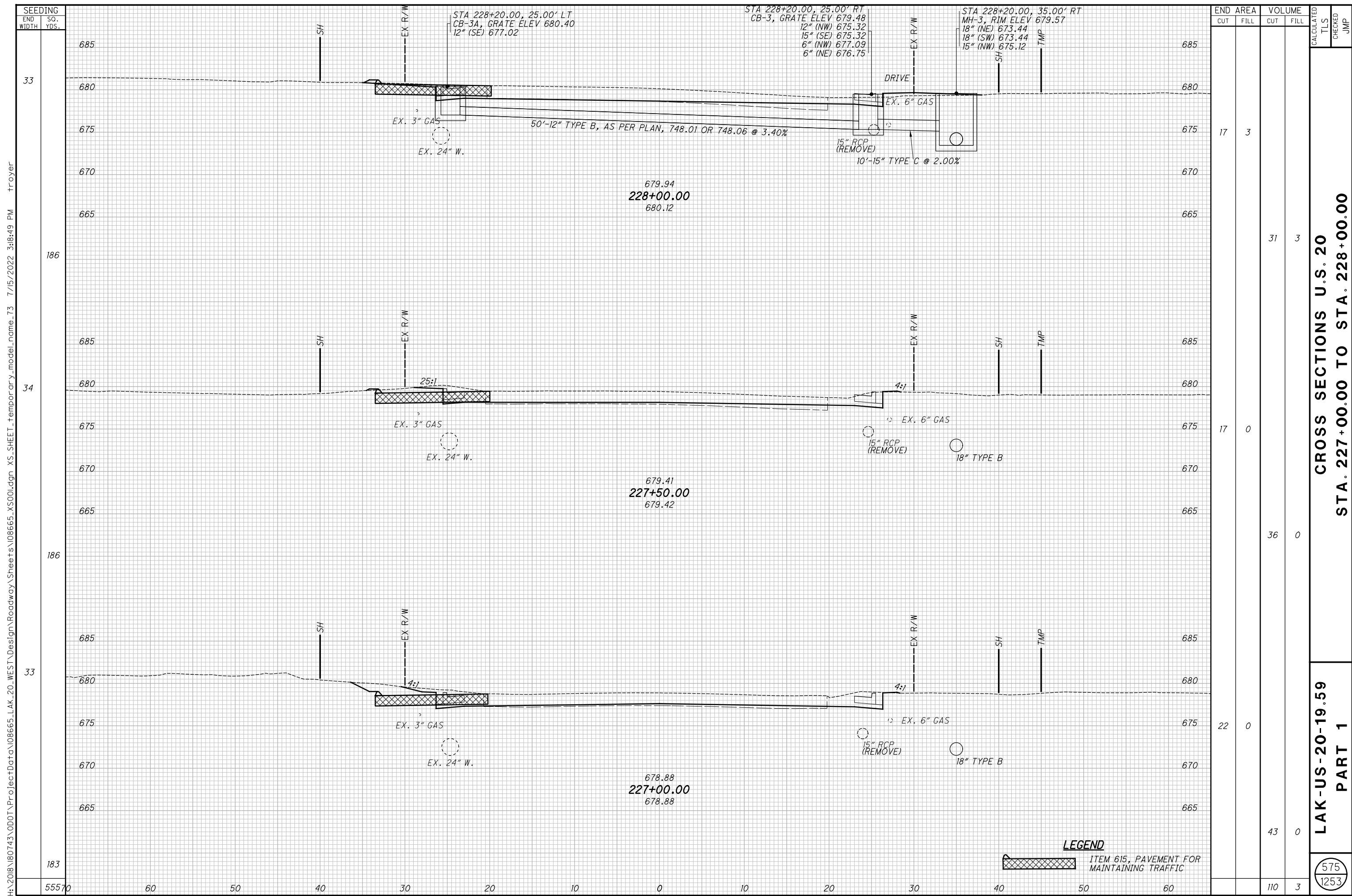
**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

573  
1253

H:\2018\180743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_7/15/2022 3:18:46 PM troyer







END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
17	3	31	3		
17	0	36	0		
22	0	43	0		
		110	3		

**CROSS SECTIONS U.S. 20  
 STA. 227+00.00 TO STA. 228+00.00**

**LAK-US-20-19.59  
 PART 1**

575  
 1253

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END AREA	VOLUME	CALCULATED		CHECKED	JMP
		CUT	FILL		
14	0				
19	2				
23	1				
		107	9		

**CROSS SECTIONS U.S. 20**  
**STA. 228+50.00 TO STA. 229+50.00**

**LAK-US-20-19.59**  
**PART 1**

576  
 1253

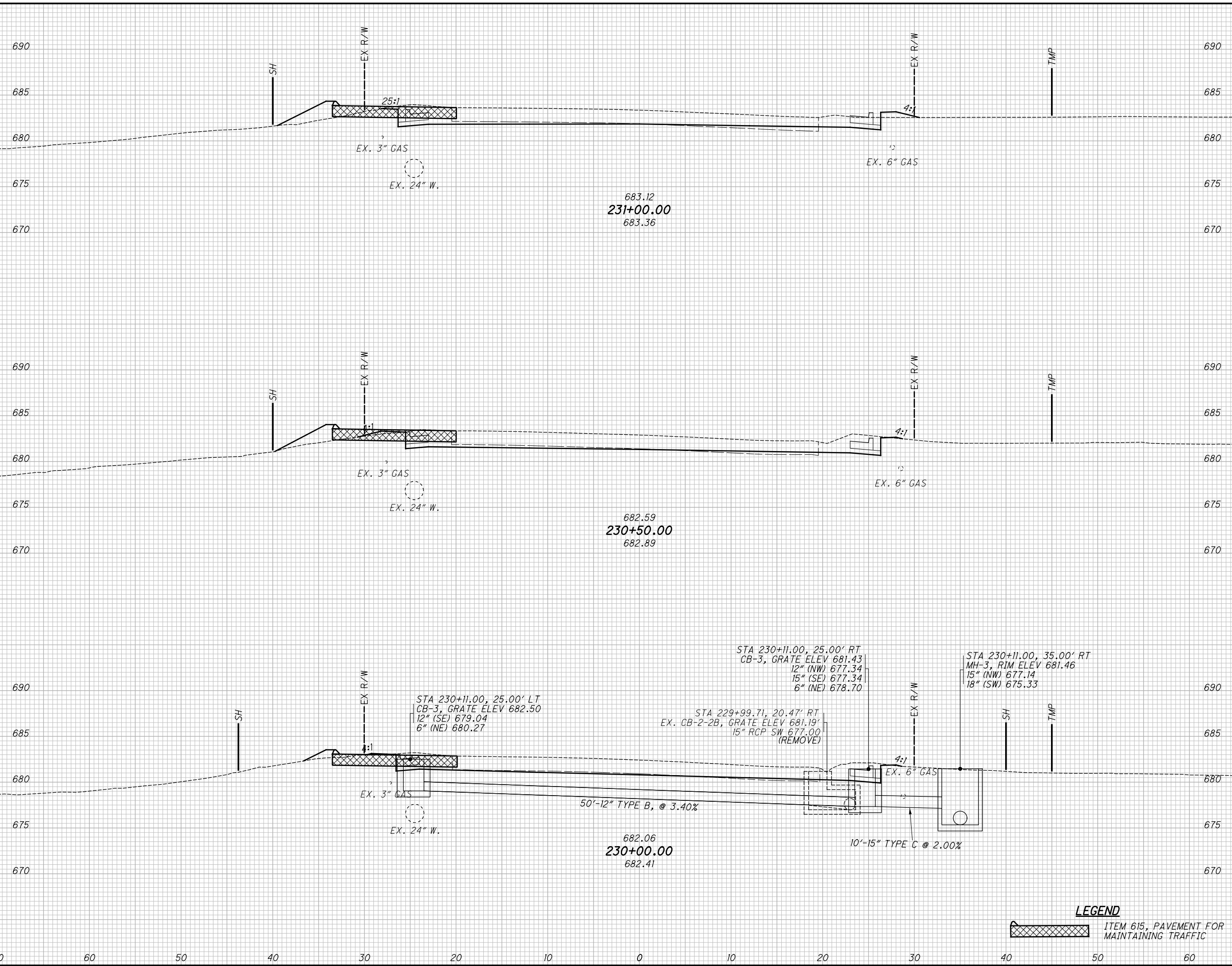
**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

SEEDING  
 END WIDTH SO. YDS.  
 19  
 144  
 33  
 186  
 34  
 186  
 51670 60 50 40 30 20 10 0 10 20 30 40 50 60

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H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_75 7/15/2022 3:18:51PM Troyer

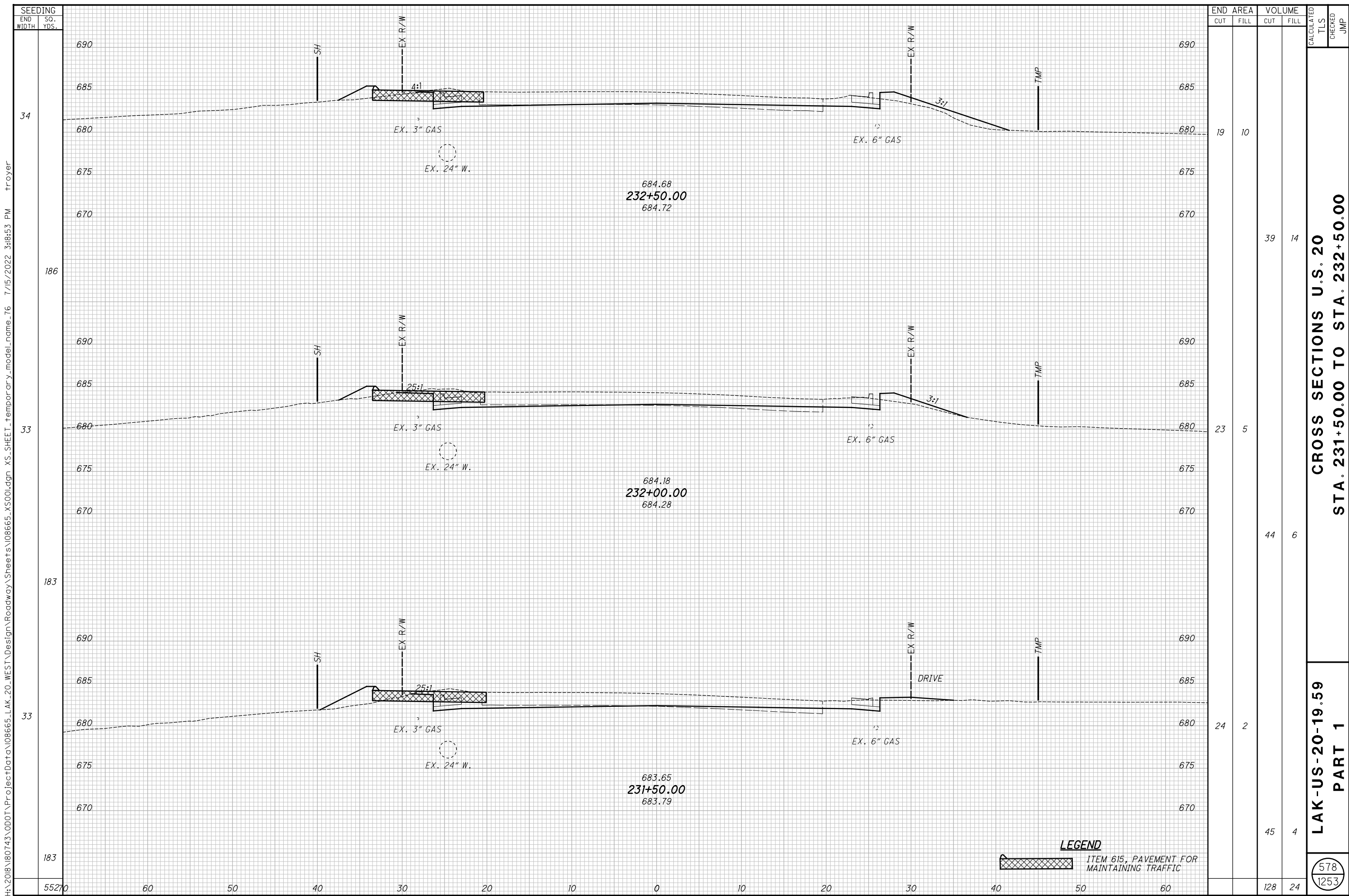
SEEDING	
END WIDTH	SO. YDS.
33	186
34	194
36	153
53370	60
	50
	40
	30
	20
	10
	0
	10
	20
	30
	40
	50
	60



END AREA		VOLUME	
CUT	FILL	CUT	FILL
25	2	47	3
26	1	47	1
25	0	36	0
		130	4

**CROSS SECTIONS U.S. 20**  
**STA. 230+00.00 TO STA. 231+00.00**  
**LAK-US-20-19.59**  
**PART 1**  
 CALCULATED  
 T.L.S.  
 CHECKED  
 J.M.P.  
 577  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



SEEDING  
 END SO.  
 WIDTH YDS.  
 34  
 186  
 33  
 183  
 33  
 183  
 55270

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
19	10	39	14		
23	5	44	6		
24	2	45	4		
		128	24		

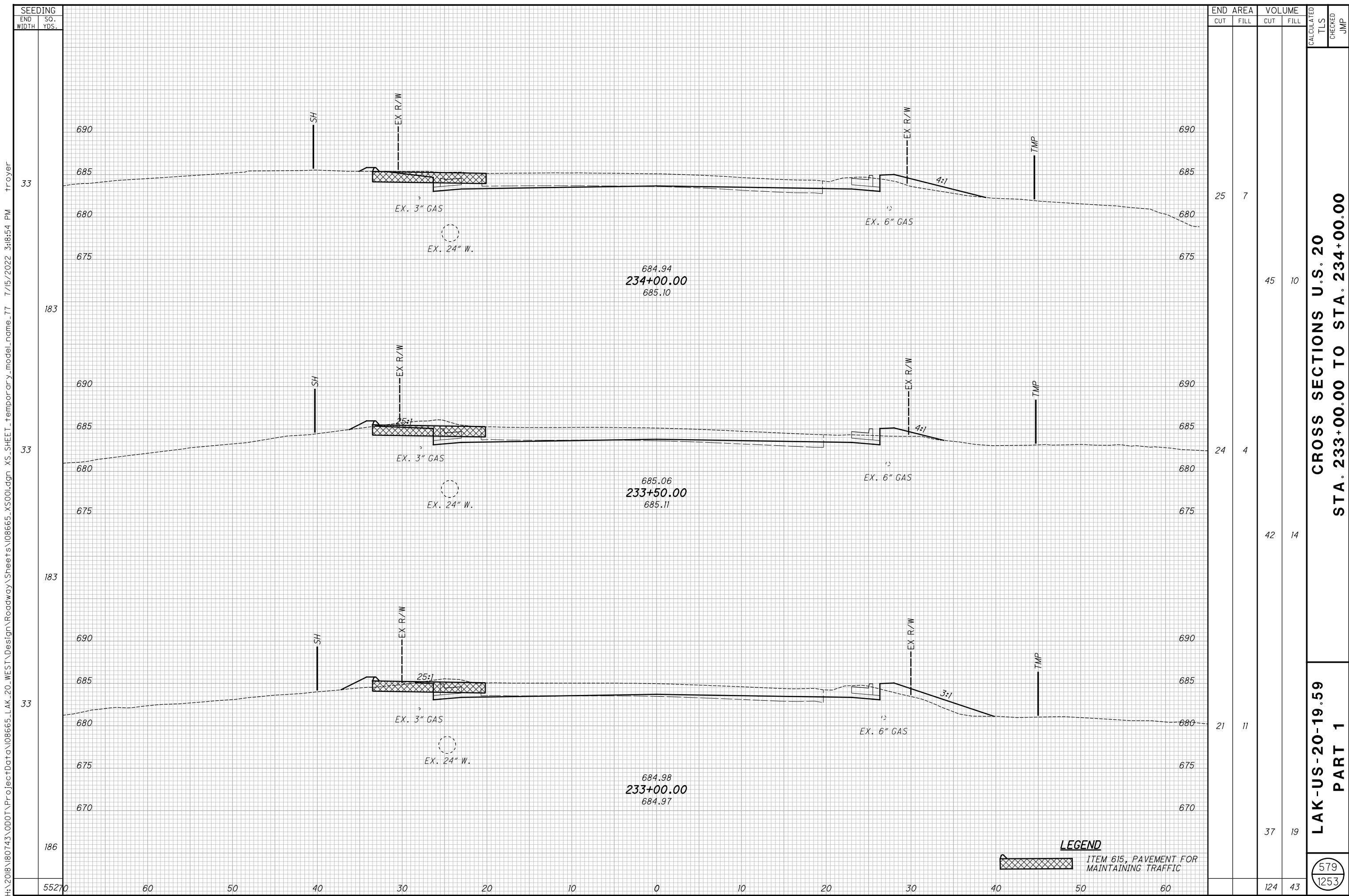
CROSS SECTIONS U.S. 20  
 STA. 231+50.00 TO STA. 232+50.00

LAK-US-20-19.59  
 PART 1

578  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING  
 END SO.  
 WIDTH YDS.  
 55270

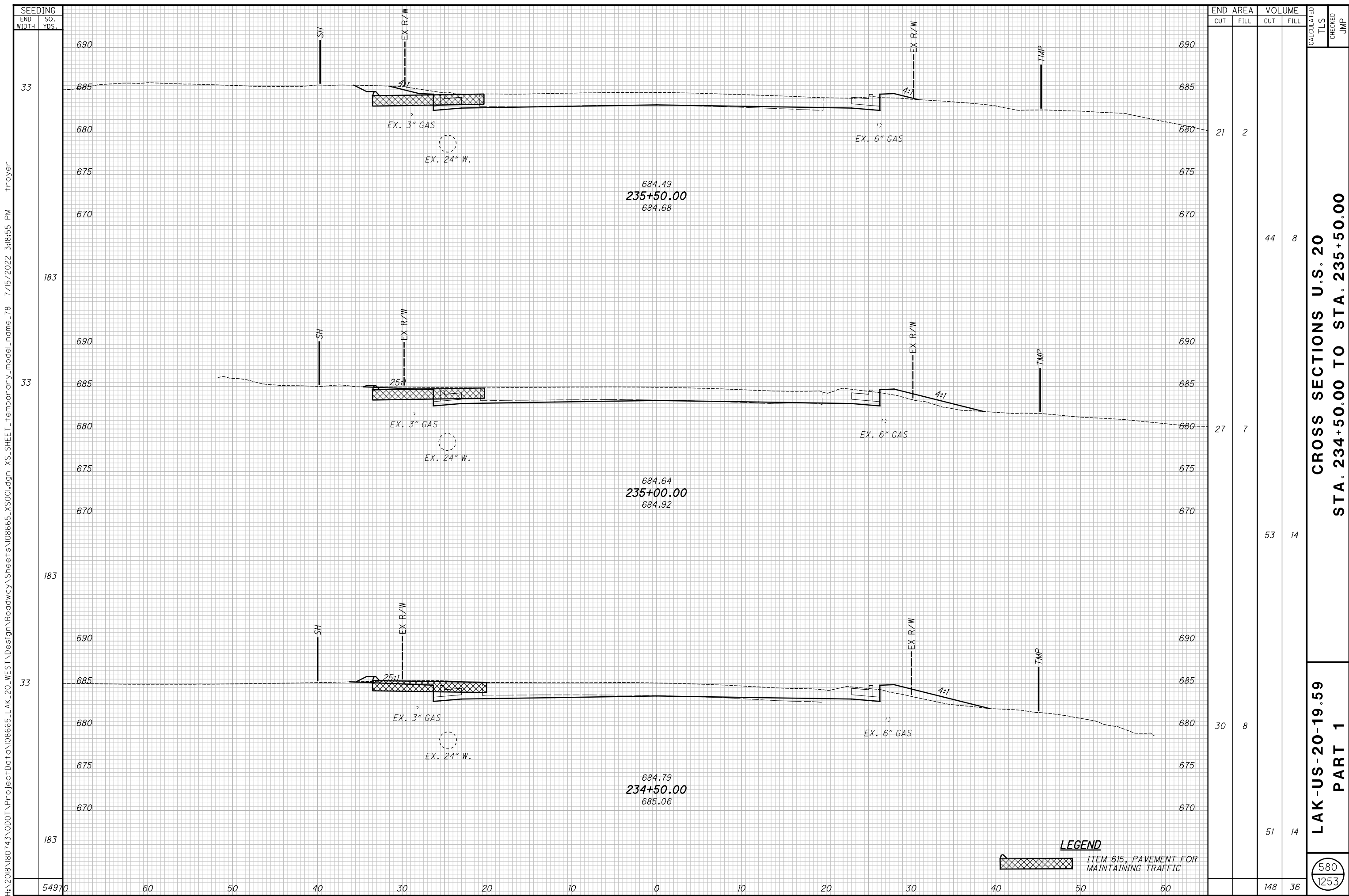
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
25	7	45	10		
24	4	42	14		
21	11	37	19		
		124	43		

**CROSS SECTIONS U.S. 20  
 STA. 233+00.00 TO STA. 234+00.00**

**LAK-US-20-19.59  
 PART 1**

579  
 1253

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SEEDING	
END WIDTH	SO. YDS.
33	690
33	685
183	680
33	675
33	670
183	665
33	660
33	655
183	650
33	645
33	640
183	635
33	630
33	625
183	620
33	615
33	610
183	605
33	600
33	595
183	590
33	585
33	580
183	575
33	570
33	565
183	560
33	555
33	550
183	545
33	540
33	535
183	530
33	525
33	520
183	515
33	510
33	505
183	500
33	495
33	490
183	485
33	480
33	475
183	470
33	465
33	460
183	455
33	450
33	445
183	440
33	435
33	430
183	425
33	420
33	415
183	410
33	405
33	400
183	395
33	390
33	385
183	380
33	375
33	370
183	365
33	360
33	355
183	350
33	345
33	340
183	335
33	330
33	325
183	320
33	315
33	310
183	305
33	300
33	295
183	290
33	285
33	280
183	275
33	270
33	265
183	260
33	255
33	250
183	245
33	240
33	235
183	230
33	225
33	220
183	215
33	210
33	205
183	200
33	195
33	190
183	185
33	180
33	175
183	170
33	165
33	160
183	155
33	150
33	145
183	140
33	135
33	130
183	125
33	120
33	115
183	110
33	105
33	100
183	95
33	90
33	85
183	80
33	75
33	70
183	65
33	60
33	55
183	50
33	45
33	40
183	35
33	30
33	25
183	20
33	15
33	10
183	5
33	0
33	-5
183	-10
33	-15
33	-20
183	-25
33	-30
33	-35
183	-40
33	-45
33	-50
183	-55
33	-60
33	-65
183	-70
33	-75
33	-80
183	-85
33	-90
33	-95
183	-100

END AREA	VOLUME	CALCULATED	CHECKED	JMP
21	2			
	44			8
27	7			
	53			14
30	8			
	51			14
	148			36

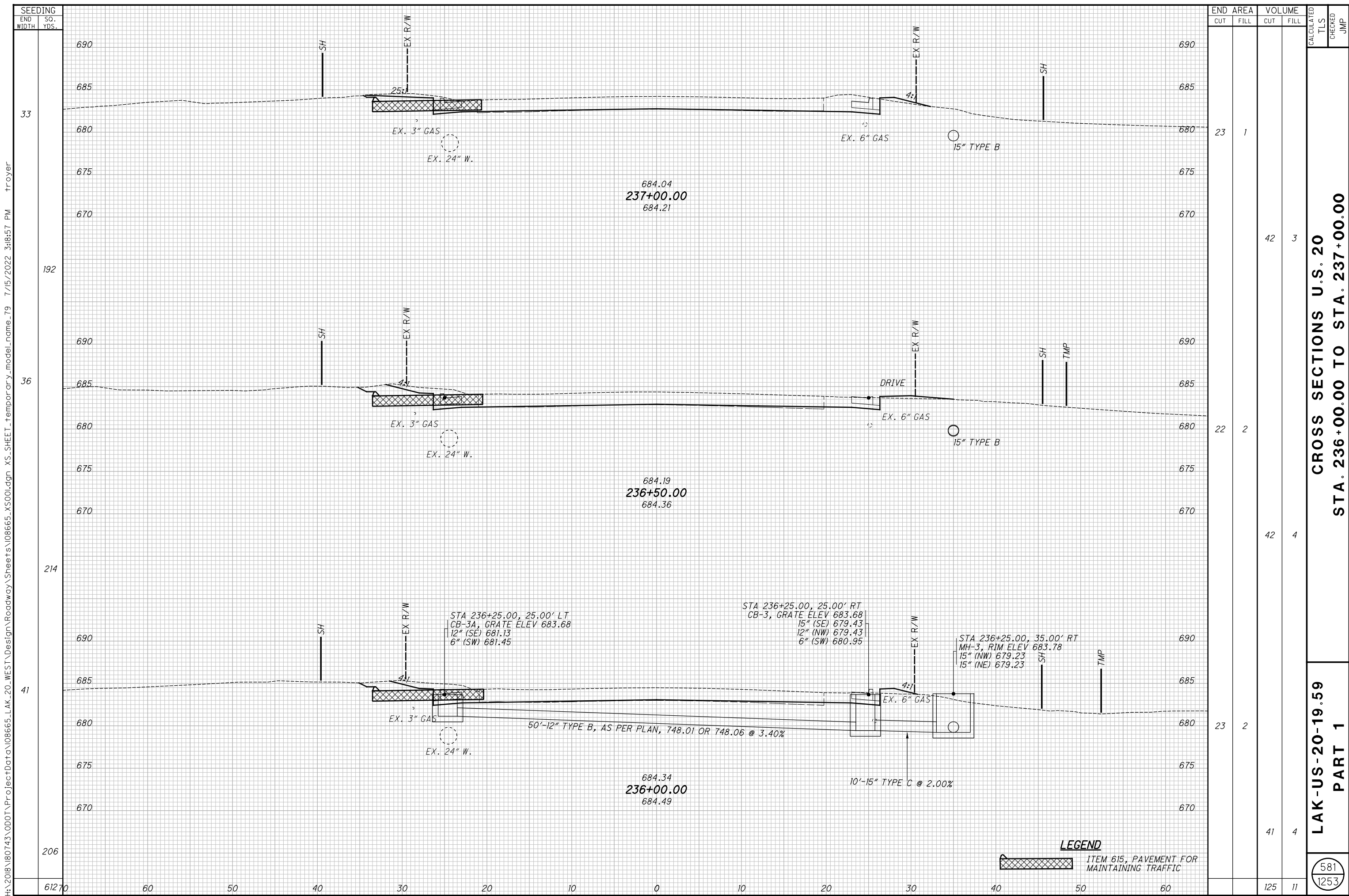
**CROSS SECTIONS U.S. 20**  
**STA. 234+50.00 TO STA. 235+50.00**

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

580  
1253

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END AREA	VOLUME	CALCULATED	CHECKED	JMP
23	1			
42	3			
22	2			
42	4			
23	2			
41	4			
125	11			

**CROSS SECTIONS U.S. 20**  
**STA. 236+00.00 TO STA. 237+00.00**

**LAK-US-20-19.59**  
**PART 1**

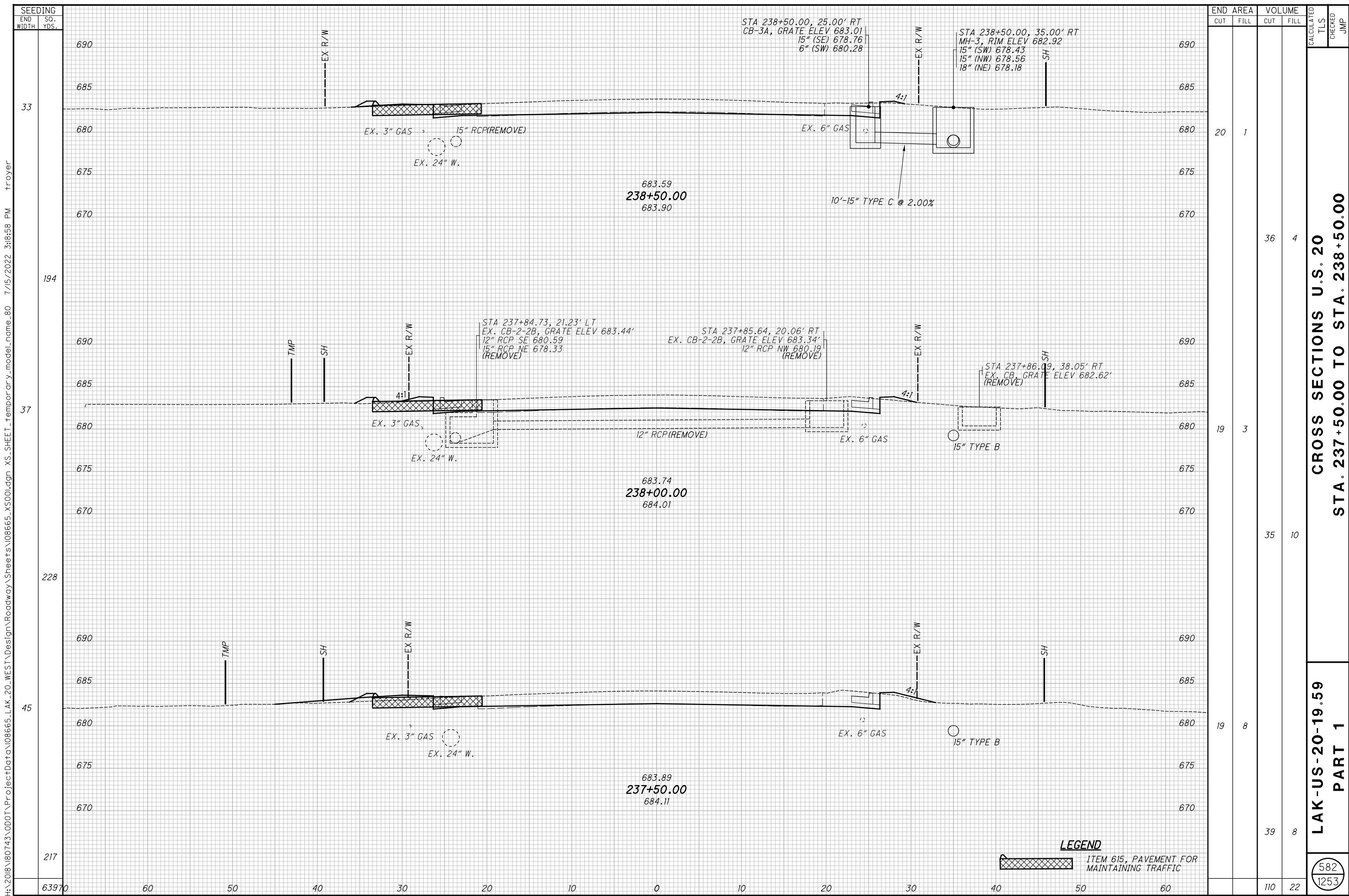
581  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

SEEDING  
 END WIDTH SO. YDS.  
 33  
 192  
 36  
 214  
 41  
 206  
 61270  
 60  
 50  
 40  
 30  
 20  
 10  
 0  
 10  
 20  
 30  
 40  
 50  
 60

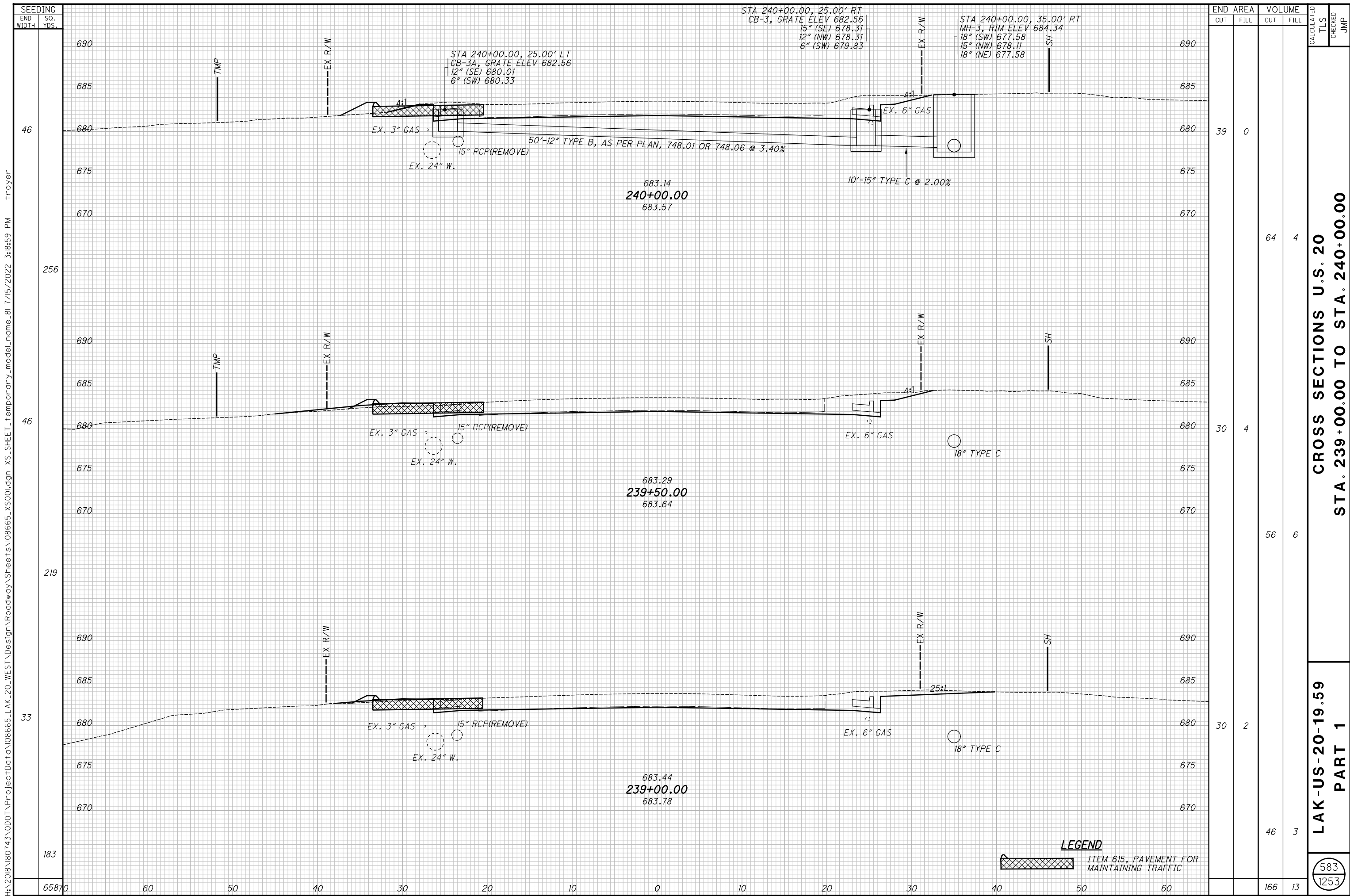
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**CROSS SECTIONS U.S. 20**  
**STA. 237+50.00 TO STA. 238+50.00**  
**LAK-US-20-19.59**  
**PART 1**  
 582  
 1253



SEEDING	
END WIDTH	SO. YDS.
46	690
46	685
46	680
256	675
46	670
46	685
46	680
46	675
46	670
219	685
46	680
46	675
46	670
33	685
46	680
46	675
46	670
183	685
46	680
46	675
46	670
65870	670

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
39	0	64	4		
30	4	56	6		
30	2	46	3		
		166	13		

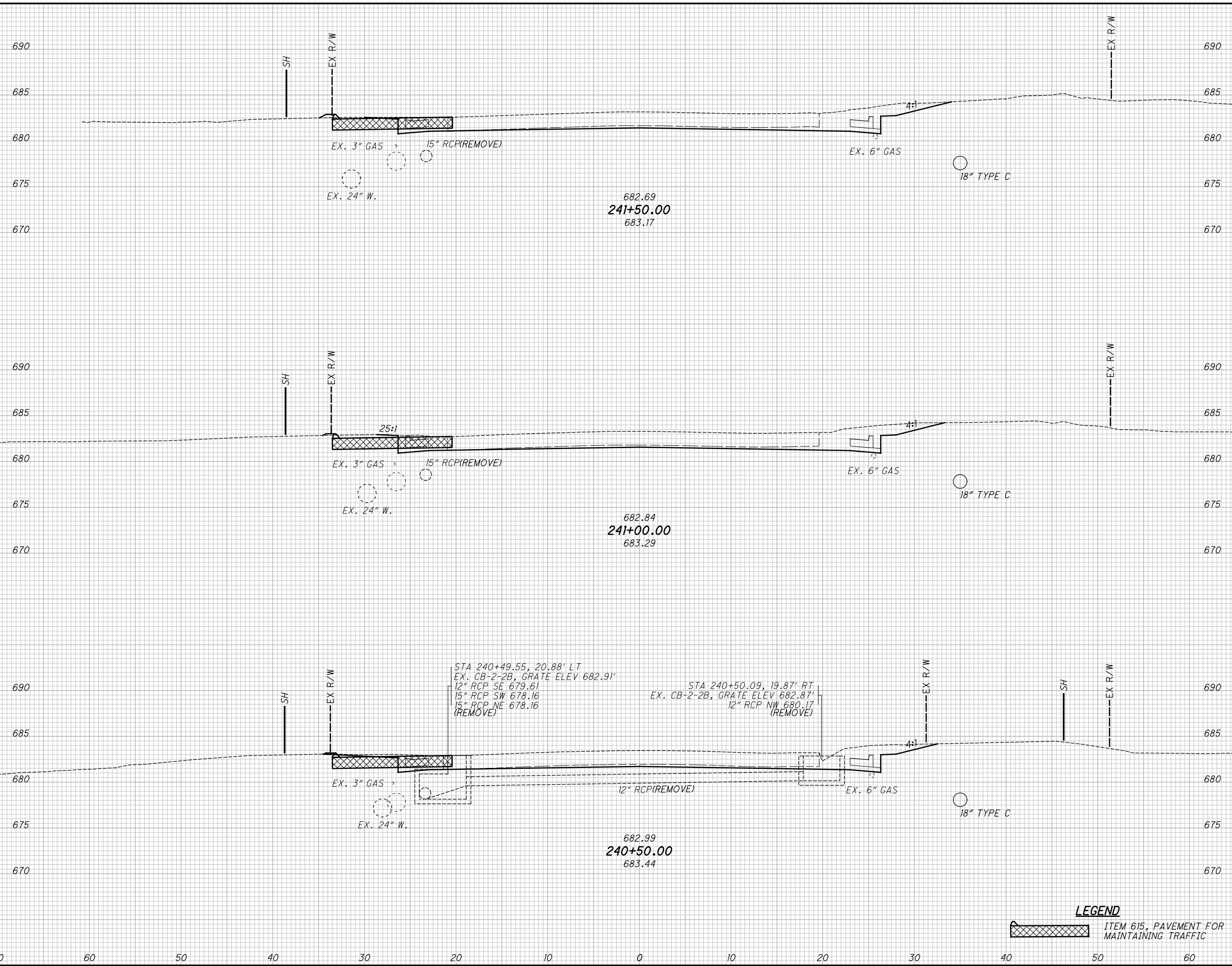
**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**PART 1**  
**STA. 239+00.00 TO STA. 240+00.00**

583  
1253

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H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\Temporary\_model\_name\_82 7/15/2022 3:19:01PM Troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
37	39	0	72	0			
38	39	0	70	0			
37	37	0	70	0			
231			212	0			



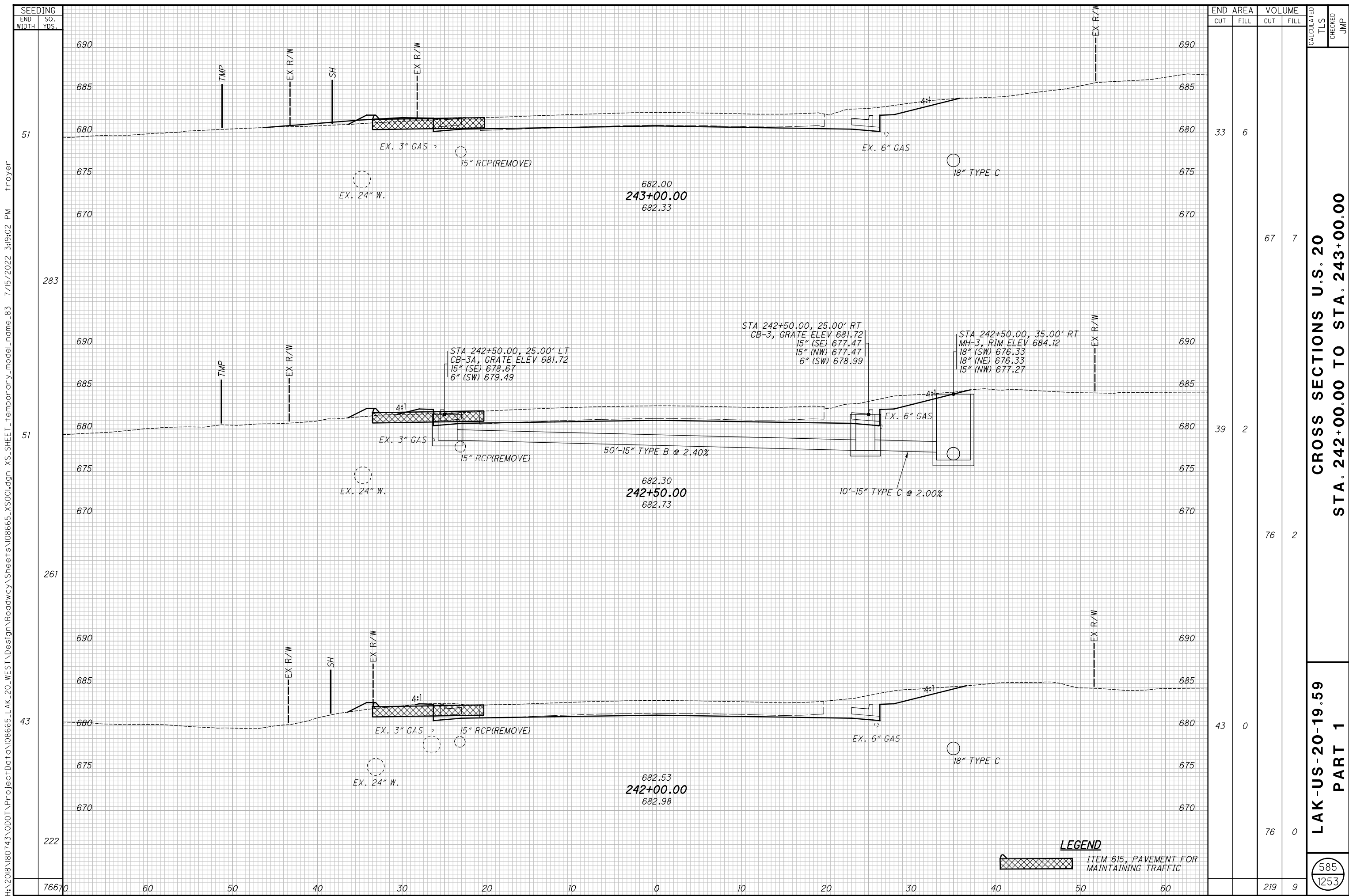
SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
37	39	0	72	0			
38	39	0	70	0			
37	37	0	70	0			
231			212	0			

CROSS SECTIONS U.S. 20  
STA. 240+50.00 TO STA. 241+50.00

LAK-US-20-19.59  
PART 1

584  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
51	33	6	67	7			
283	39	2	76	2			
51	43	0	76	0			
261							
43							
222							
76670	60	50	40	30	20	10	0
	10	20	30	40	50	60	
			219	9			

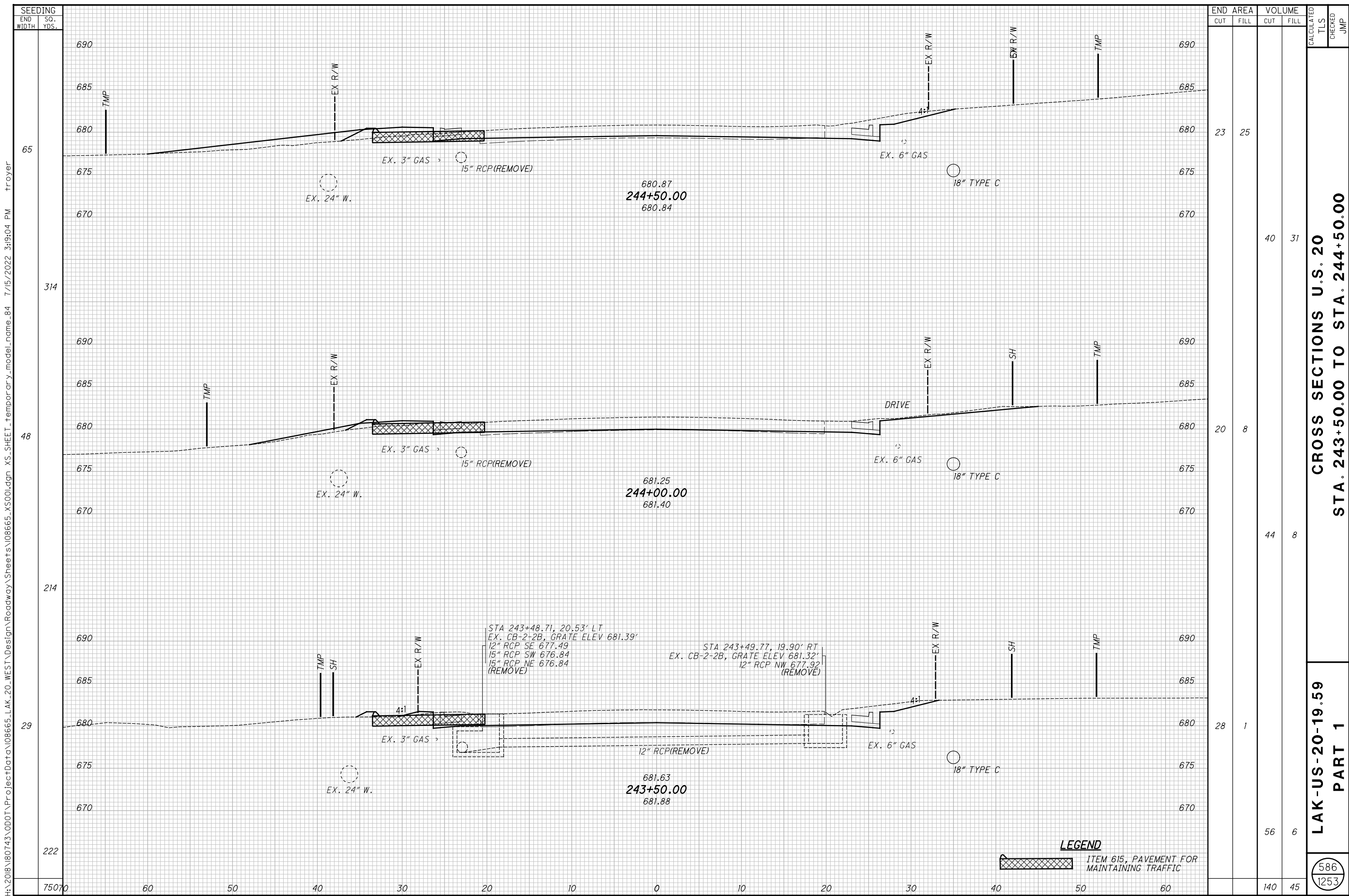
**CROSS SECTIONS U.S. 20**  
**STA. 242+00.00 TO STA. 243+00.00**

**LAK-US-20-19.59**  
**PART 1**

585  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING  
 END SO.  
 WIDTH YDS.  
 75070 60 50 40 30 20 10 0 10 20 30 40 50 60  
 222 29 48 65  
 314  
 H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_84 7/15/2022 3:19:04 PM Troyer

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
23	25	40	31		
20	8	44	8		
28	1	56	6		
		140	45		

CROSS SECTIONS U.S. 20  
 STA. 243+50.00 TO STA. 244+50.00

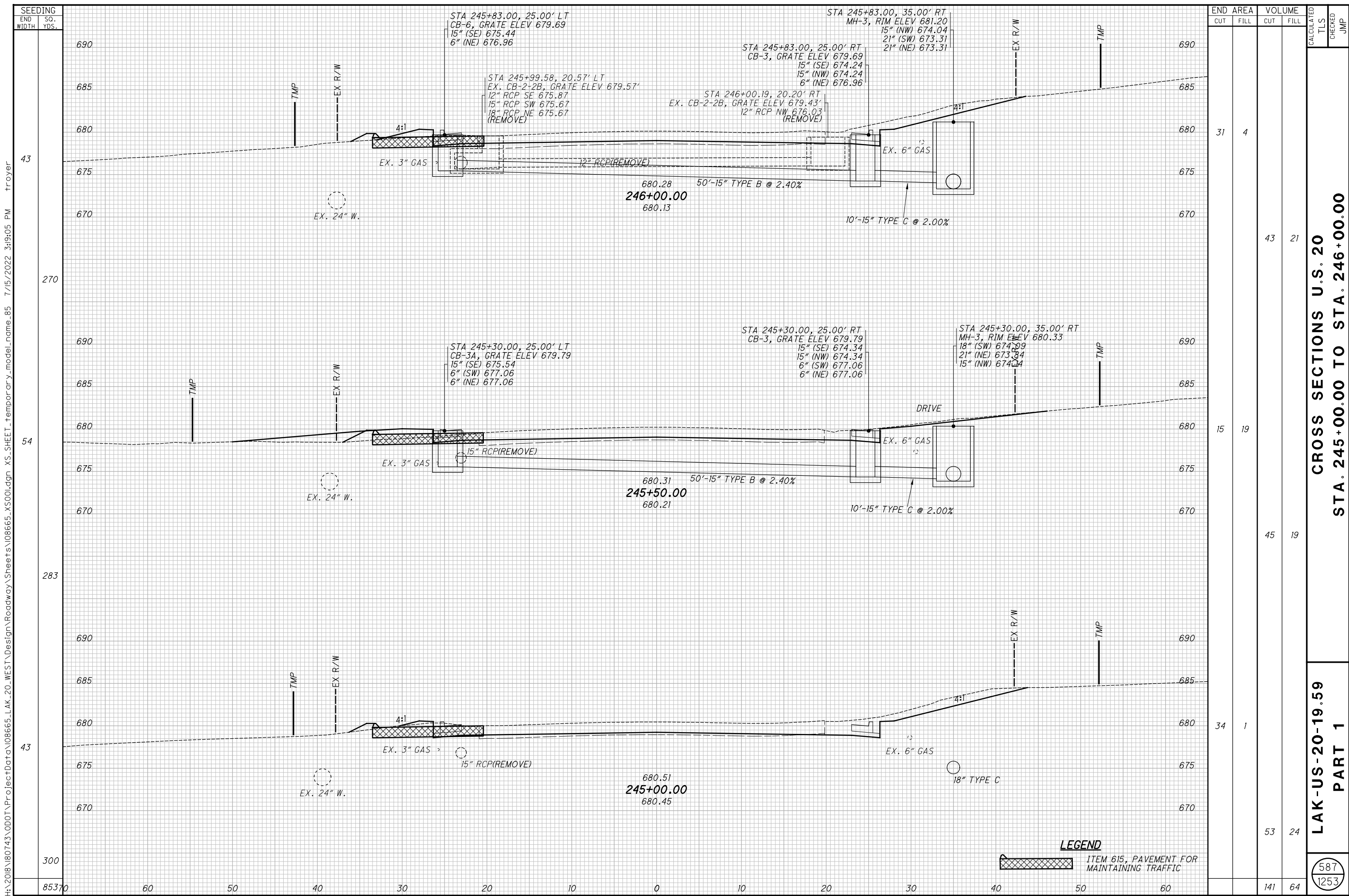
LAK-US-20-19.59  
 PART 1

586  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

STA 243+48.71, 20.53' LT  
 EX. CB-2-2B, GRATE ELEV 681.39'  
 12" RCP SE 677.49  
 15" RCP SW 676.84  
 15" RCP NE 676.84  
 (REMOVE)

STA 243+49.77, 19.90' RT  
 EX. CB-2-2B, GRATE ELEV 681.32'  
 12" RCP NW 677.92  
 (REMOVE)



END AREA	VOLUME	CALCULATED	CHECKED	JMP
31	4			
15	19			
34	1			
		43	21	
		45	19	
		53	24	
		141	64	

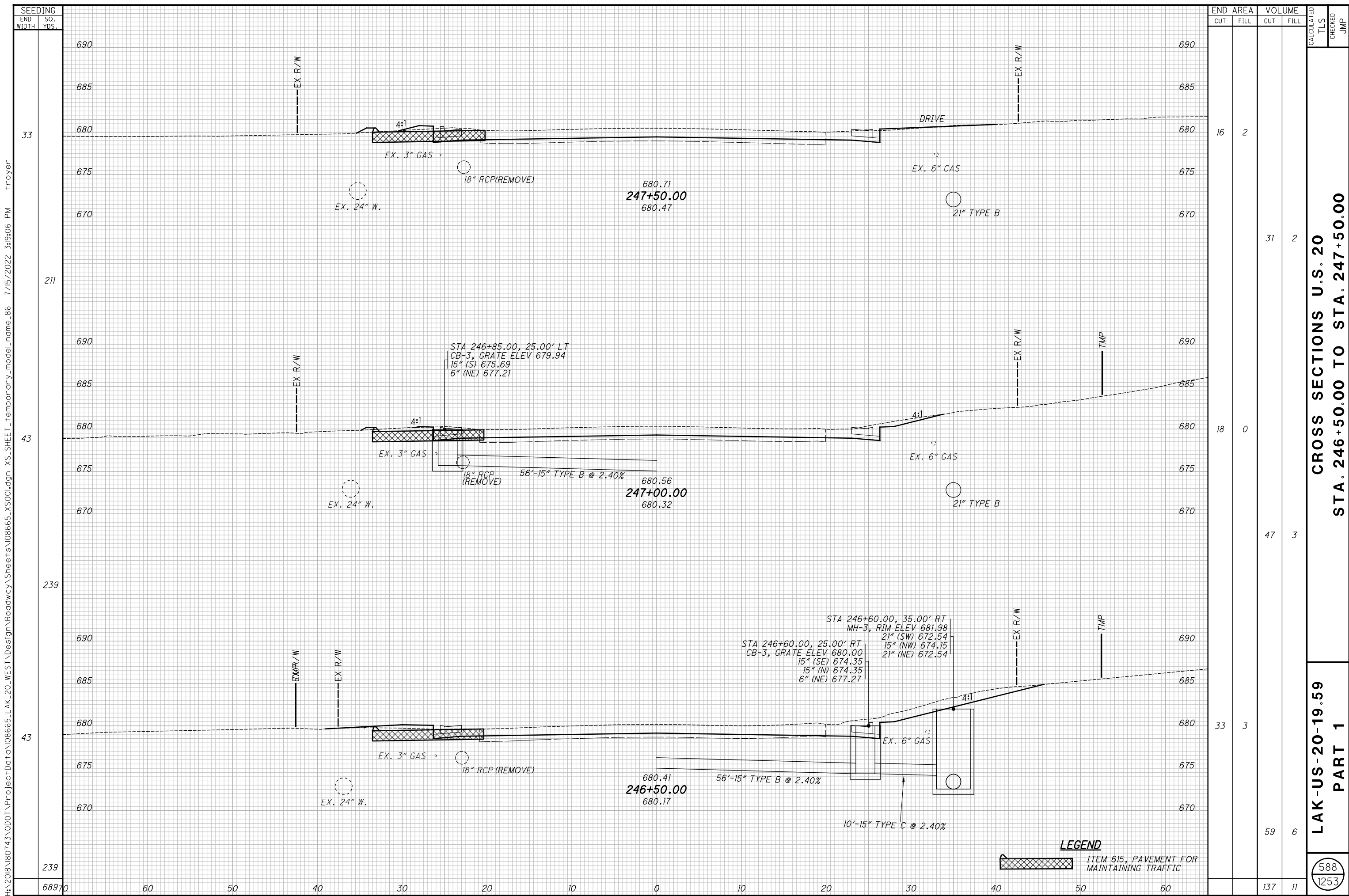
**CROSS SECTIONS U.S. 20**  
**STA. 245+00.00 TO STA. 246+00.00**

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

587  
1253

SEEDING  
 END WIDTH SO. YDS.  
 43  
 270  
 54  
 283  
 43  
 300  
 85370  
 60  
 50  
 40  
 30  
 20  
 10  
 0  
 10  
 20  
 30  
 40  
 50  
 60  
 H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_85 7/15/2022 3:19:05 PM Troyer



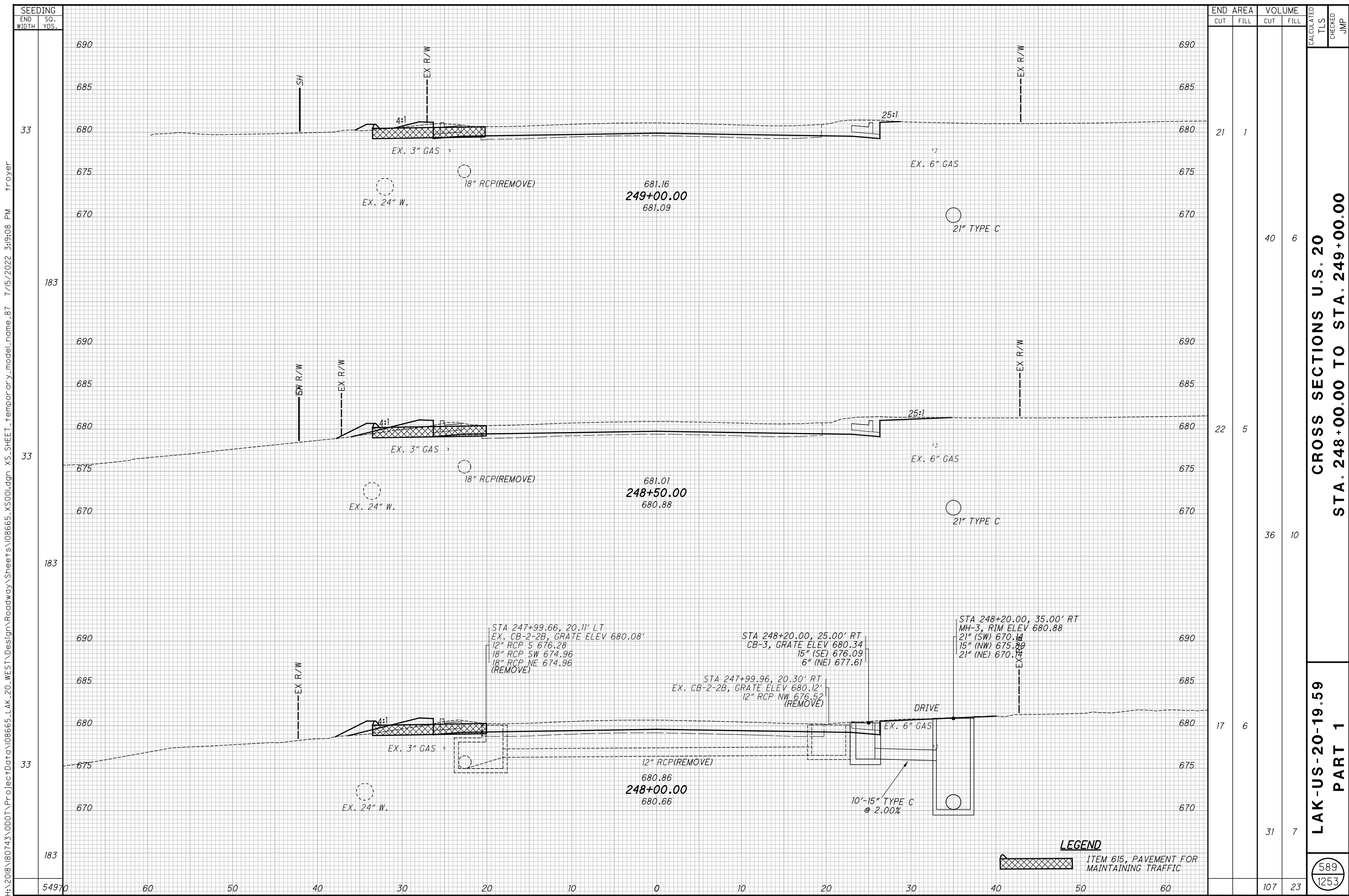
SEEDING  
 END SO.  
 WIDTH YDS.  
 33  
 211  
 43  
 239  
 43  
 239  
 68970  
 60  
 50  
 40  
 30  
 20  
 10  
 0  
 10  
 20  
 30  
 40  
 50  
 60

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
16	2				
		31	2		
18	0				
		47	3		
33	3				
		59	6		
		137	11		

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 246+50.00 TO STA. 247+50.00**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

588  
1253



SEEDING  
 END SO.  
 WIDTH YDS.  
 33  
 183  
 33  
 183  
 33  
 183  
 54970

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
21	1	40	6		
22	5	36	10		
17	6	31	7		
		107	23		

CROSS SECTIONS U.S. 20  
 STA. 248+00.00 TO STA. 249+00.00

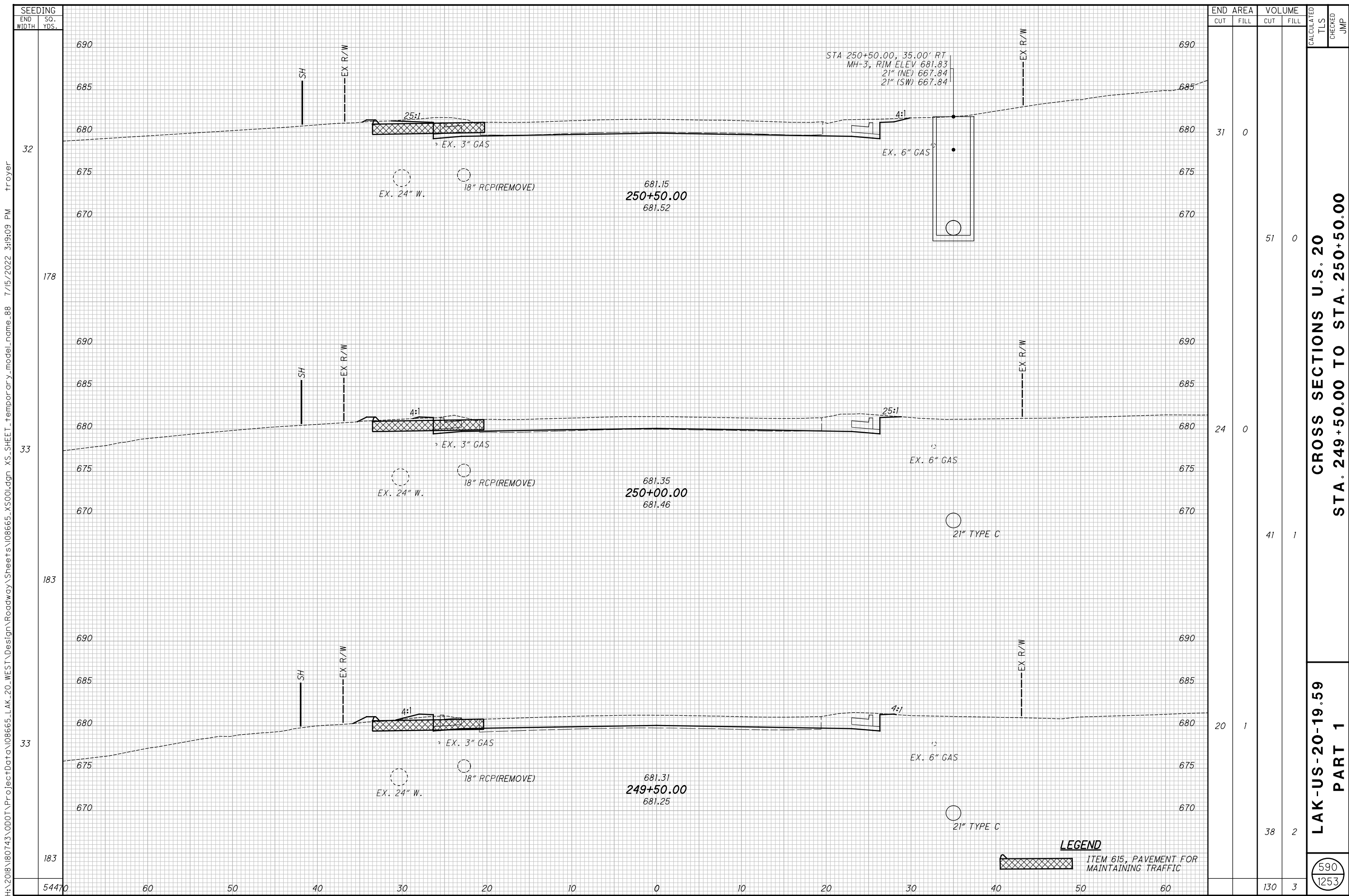
LAK-US-20-19.59  
 PART 1

589  
 1253

**LEGEND**  
 [Hatched Box] ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING  
 END WIDTH SO. YDS.  
 54470 60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
31	0	51	0		
24	0	41	1		
20	1	38	2		
		130	3		

CROSS SECTIONS U.S. 20  
 STA. 249+50.00 TO STA. 250+50.00

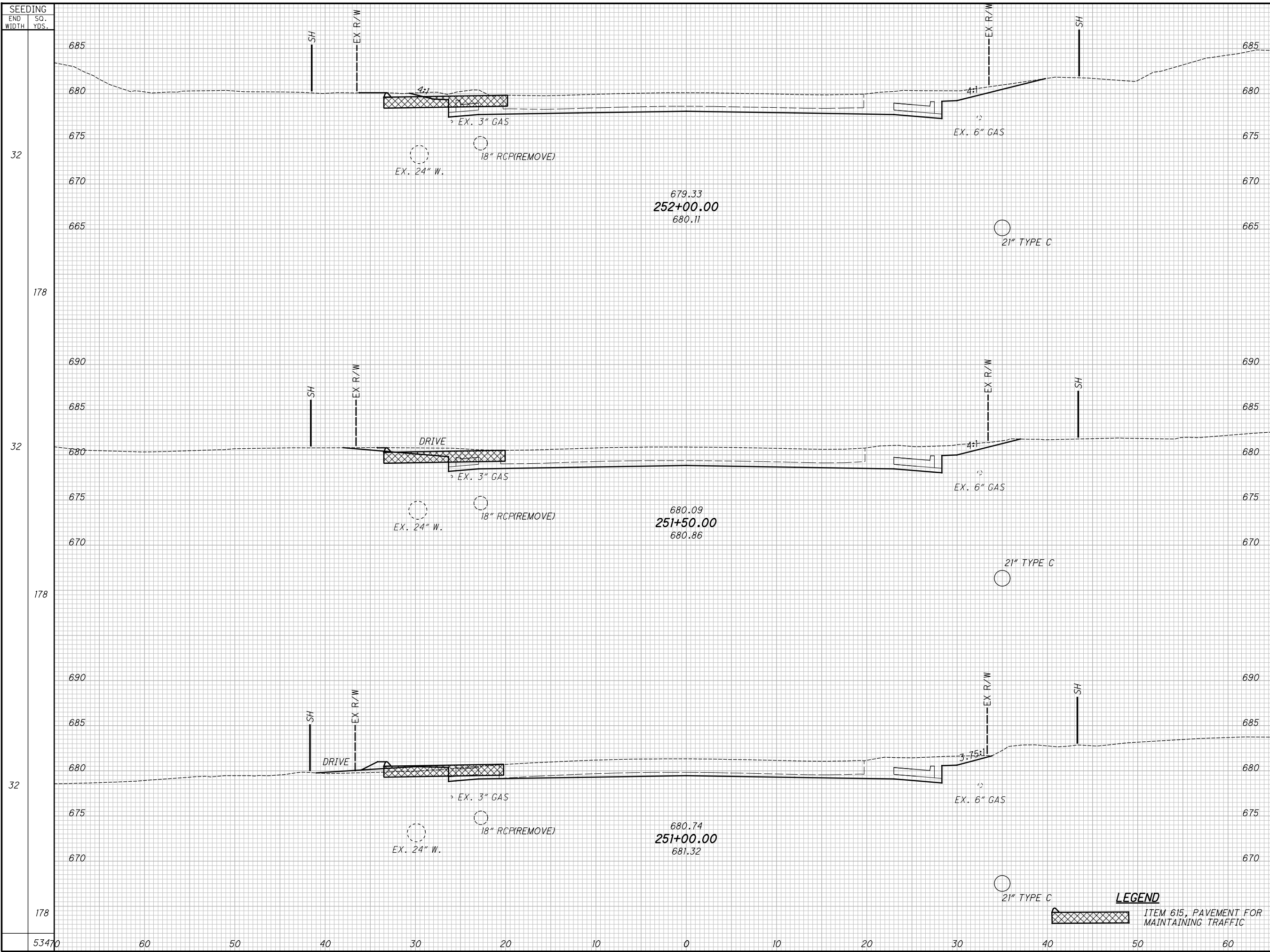
LAK-US-20-19.59  
 PART 1

590  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_89 7/15/2022 3:19:10 PM troyer

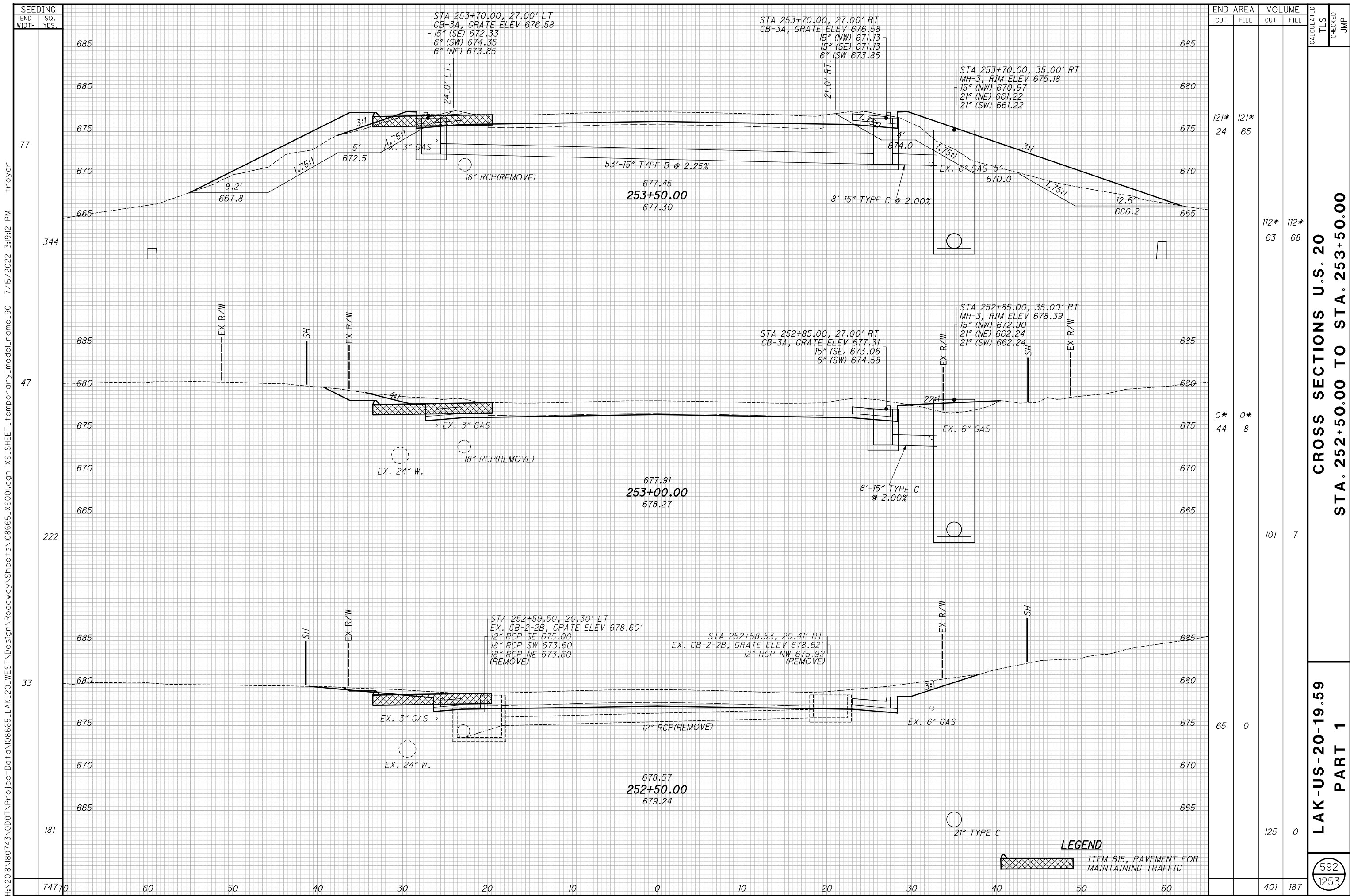


SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
32	70	0	129	0			
178	69	0	107	5			
32	47	5	72	5			
178							
53470	60	50	308	10			

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 251+00.00 TO STA. 252+00.00**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

591  
1253



SEEDING	
END WIDTH	SO. YDS.
77	685
344	680
47	675
222	670
33	665
181	660
74770	655

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	TLS	JMP
121*	121*	112*	112*		
24	65	63	68		
0*	0*	101	7		
44	8				
65	0	125	0		
		401	187		

**CROSS SECTIONS U.S. 20**  
**STA. 252+50.00 TO STA. 253+50.00**  
**LAK-US-20-19.59**  
**PART 1**

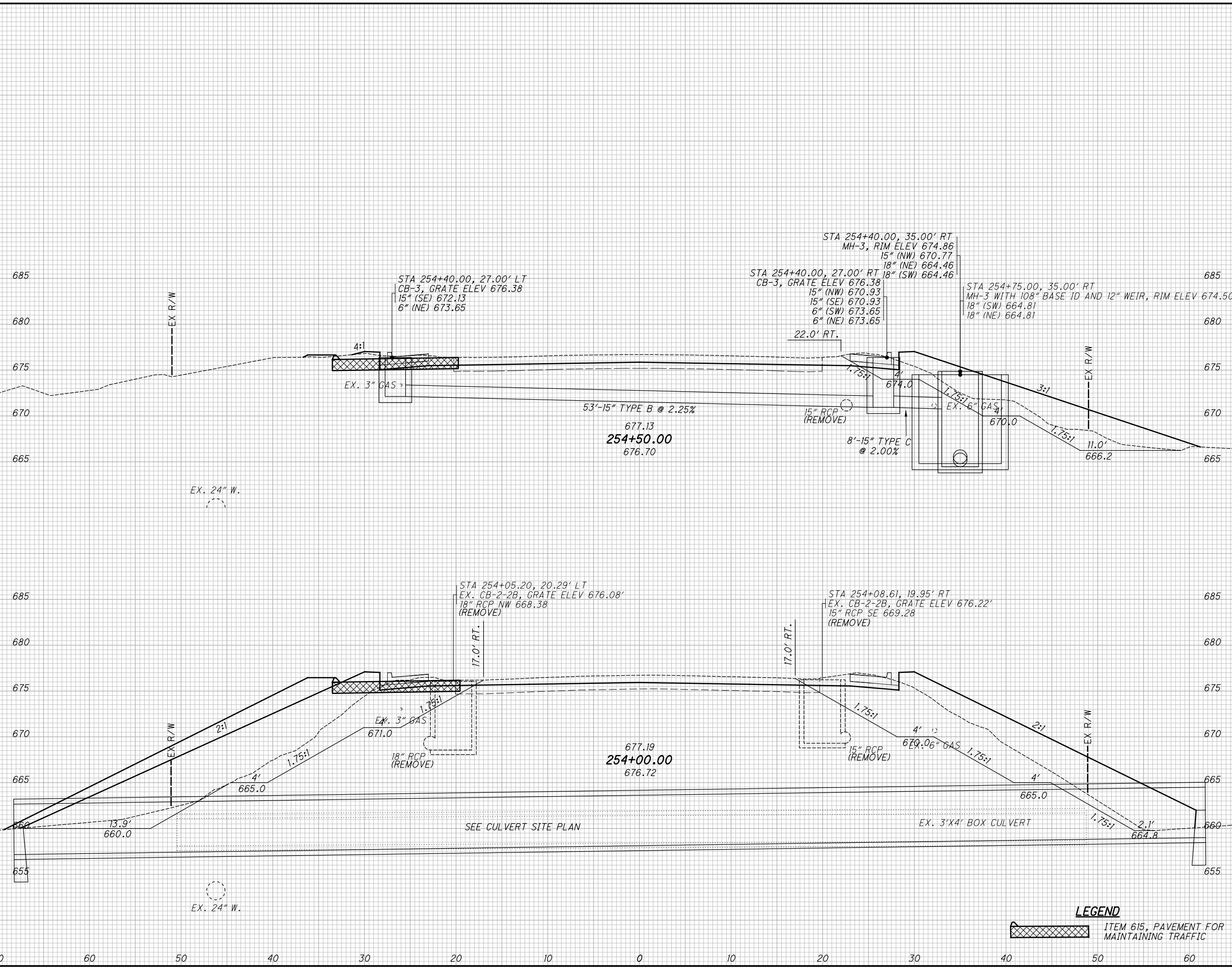
592  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_90 7/15/2022 3:19:12 PM troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\_DesignRoadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_91 7/15/2022 3:19:13 PM troyer

SEEDING	
END WIDTH	SO. YDS.
1000	70
60	65
50	483
40	109
30	517
20	
10	
0	
10	
20	
30	
40	
50	
60	

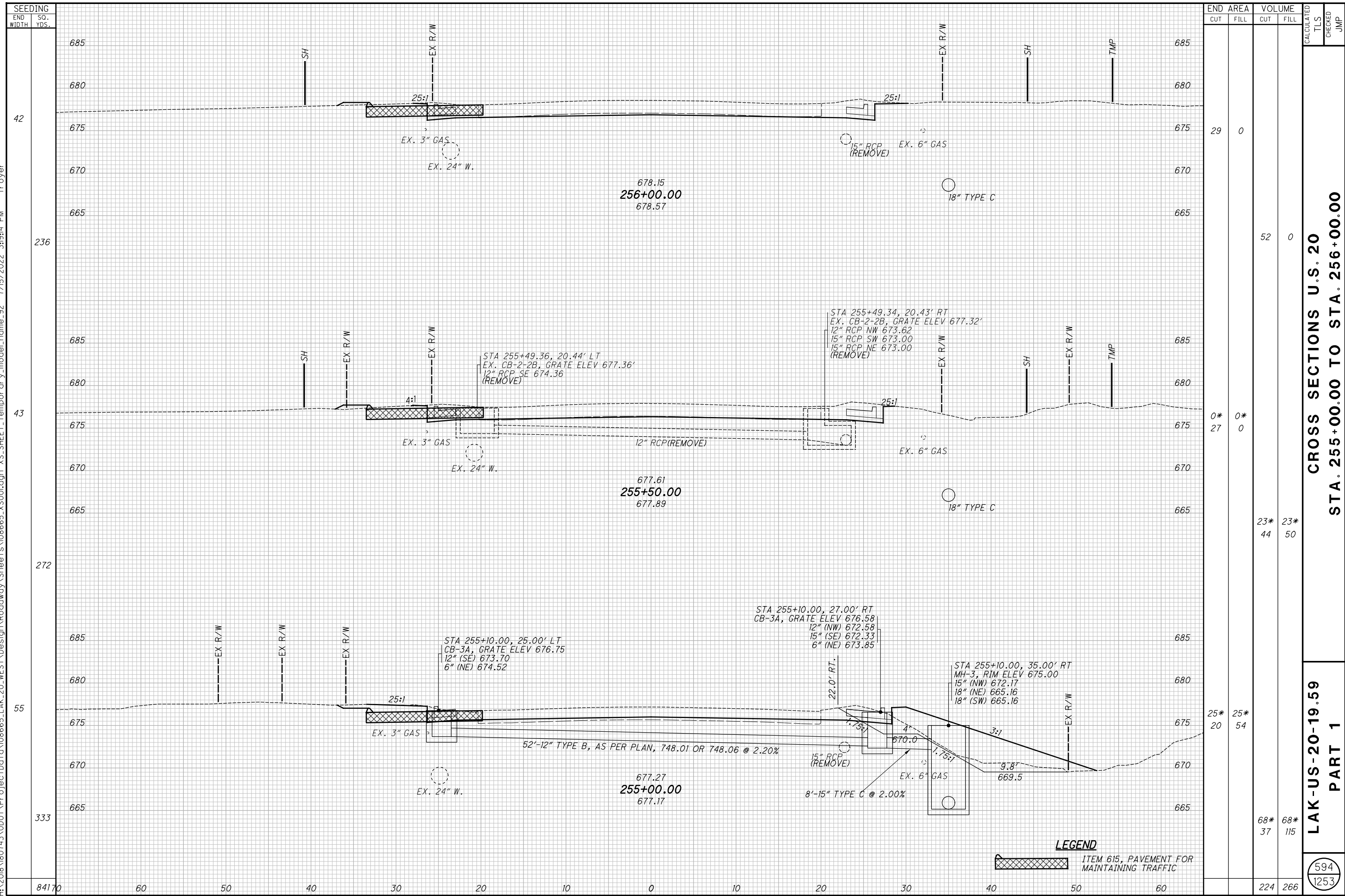


END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
48*	48*	227*	227*		
20	70	34	305		
197*	197*	294*	294*		
17	259	38	300		
		593	1126	593	1253

**CROSS SECTIONS U.S. 20**  
**STA. 254+00.00 TO STA. 254+50.00**  
**LAK-US-20-19.59**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_92 7/15/2022 3:19:14 PM troyer



END AREA	VOLUME	CALCULATED		CHECKED	JMP
		CUT	FILL		
29	0				
0*	0*				
23*	23*				
44	50				
25*	25*				
20	54				
68*	68*				
37	115				
224	266				

CROSS SECTIONS U.S. 20  
STA. 255+00.00 TO STA. 256+00.00

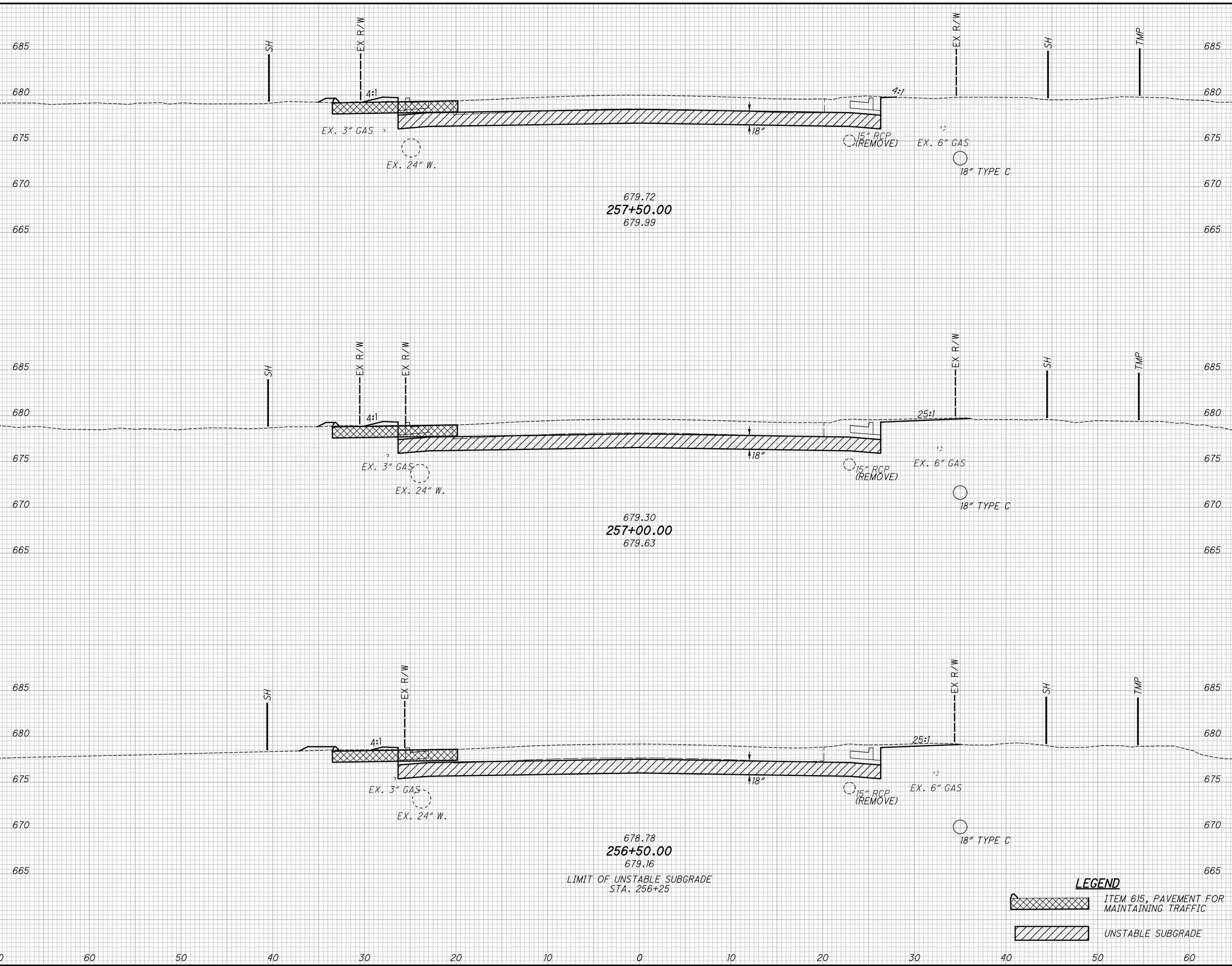
LAK-US-20-19.59  
PART 1

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

594  
1253

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SEEDING	
END WIDTH	SO. YDS.
42	685
233	665
42	685
233	665
42	685
233	665
42	685
233	665
69970	665



END AREA		VOLUME	
CUT	FILL	CUT	FILL
19	1	40	3
24	2	47	3
27	1	52	1
		139	7

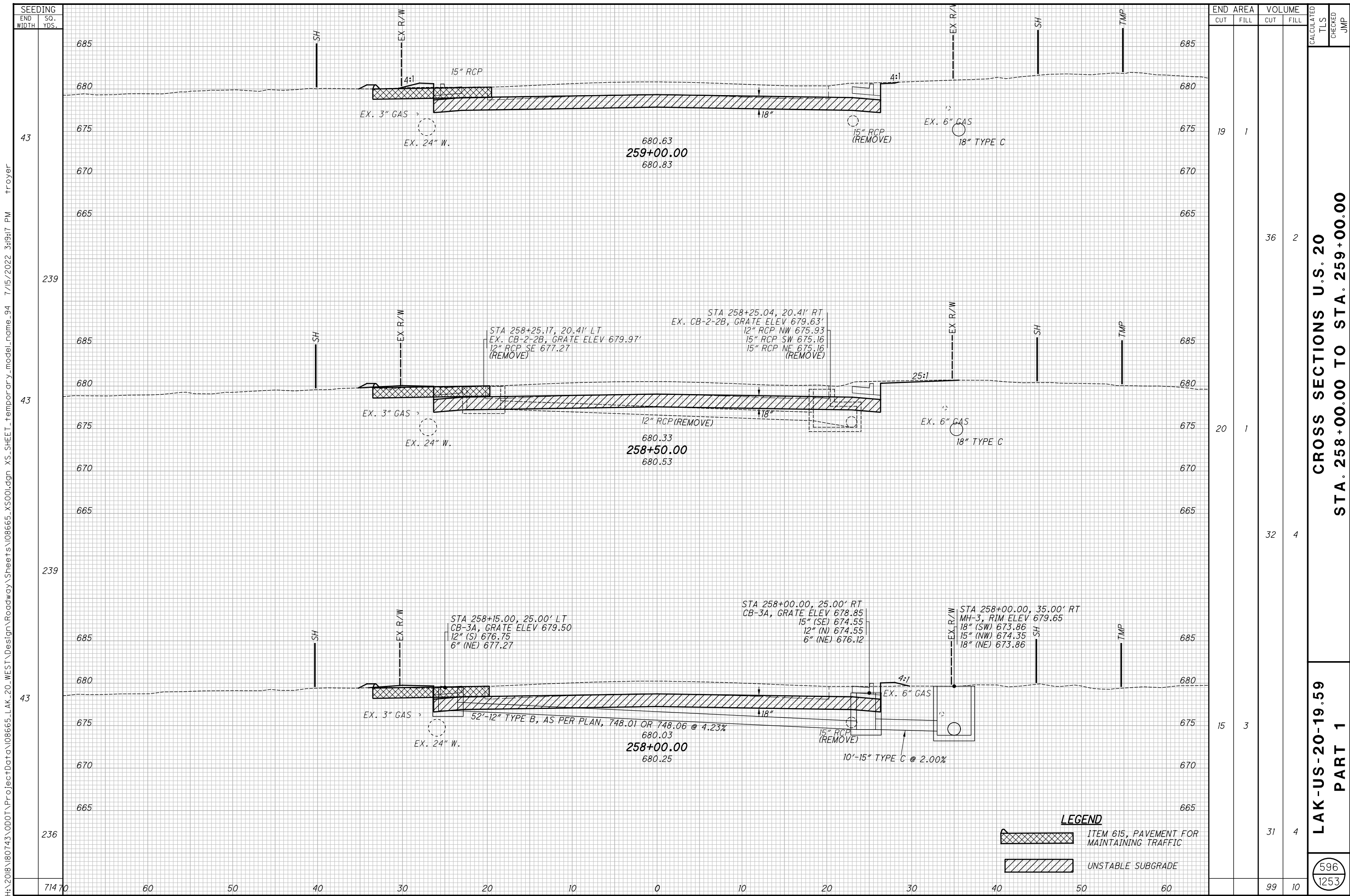
**CROSS SECTIONS U.S. 20**  
**STA. 256+50.00 TO STA. 257+50.00**  
**LAK-US-20-19.59**  
**PART 1**

**LEGEND**

 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

 UNSTABLE SUBGRADE

595  
1253



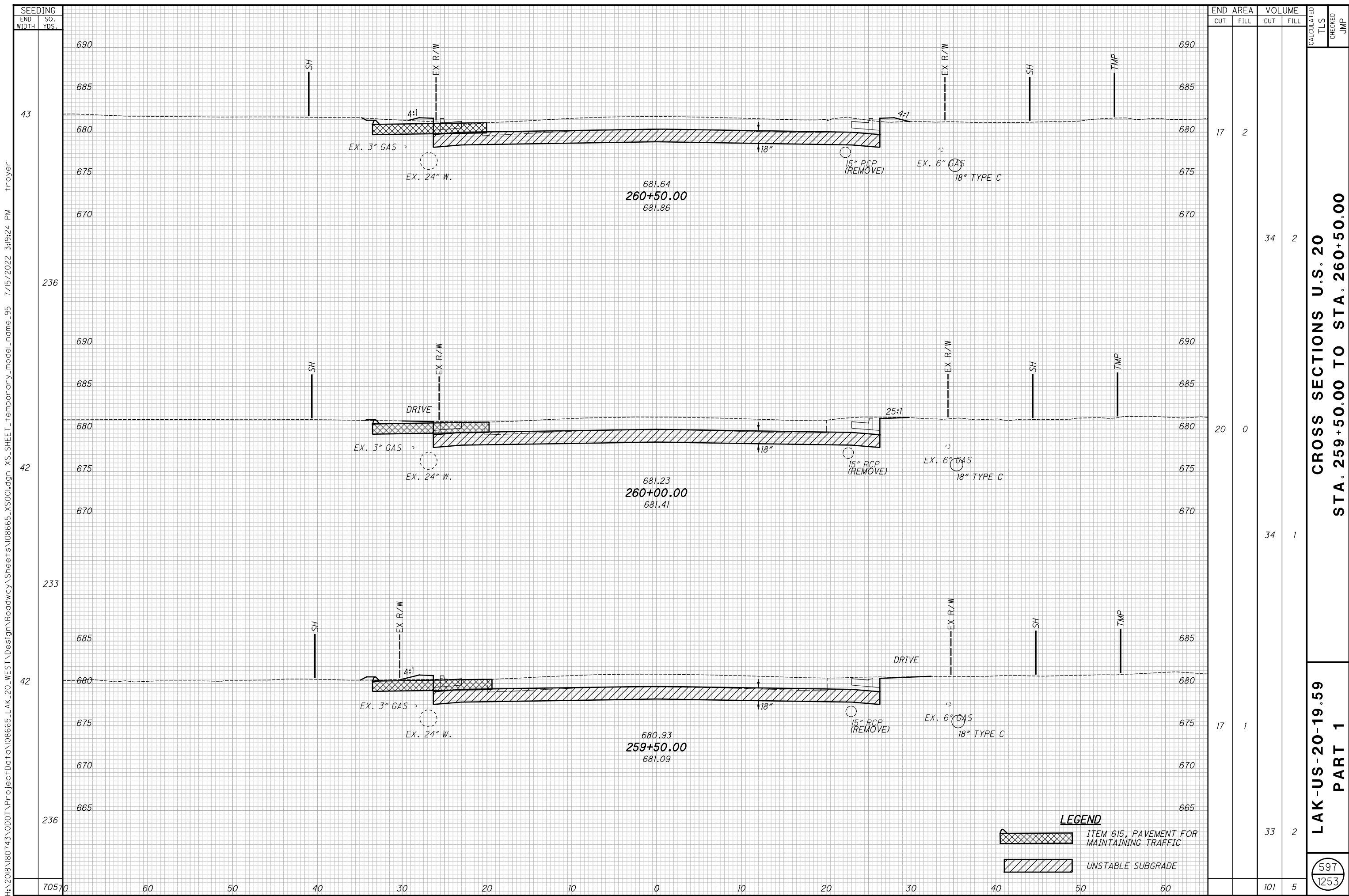
END AREA	VOLUME	CALCULATED	CHECKED	JMP
19	1			
	36	2		
20	1			
	32	4		
15	3			
	31	4		
	99	10		

**CROSS SECTIONS U.S. 20**  
**STA. 258+00.00 TO STA. 259+00.00**

**LAK-US-20-19.59**  
**PART 1**

596  
1253

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SEEDING	
END WIDTH	SO. YDS.
43	236
42	233
42	236

END AREA	VOLUME	CALCULATED	CHECKED	JMP
17	2			
20	0			
17	1			
		33	2	
		101	5	

**CROSS SECTIONS U.S. 20**  
**STA. 259+50.00 TO STA. 260+50.00**

**LAK-US-20-19.59**  
**PART 1**

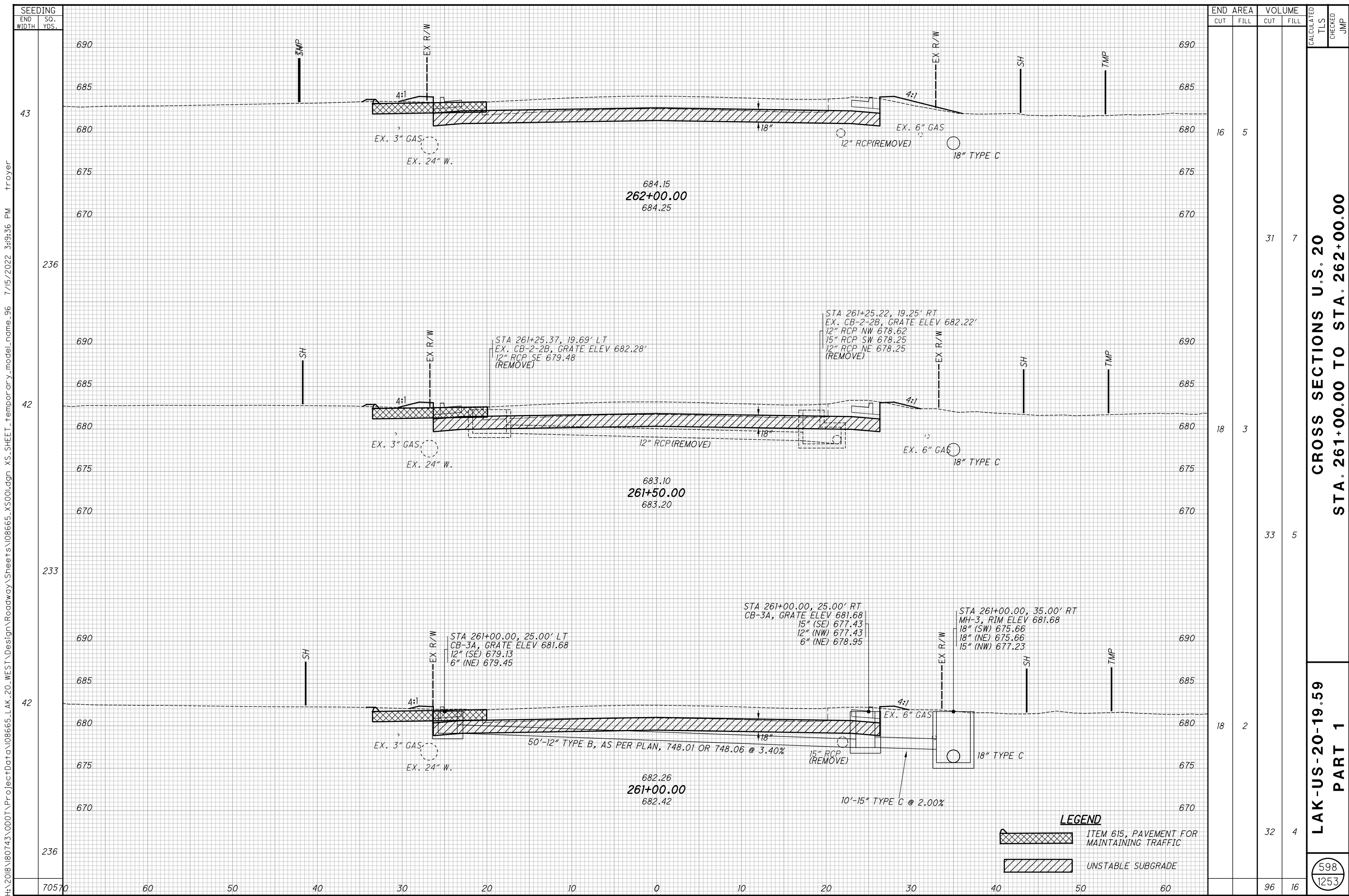
**LEGEND**

- ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC
- UNSTABLE SUBGRADE

597  
 1253

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END AREA	VOLUME	CALCULATED	CHECKED	JMP
16	5			
31	7			
18	3			
33	5			
18	2			
32	4			
96	16			

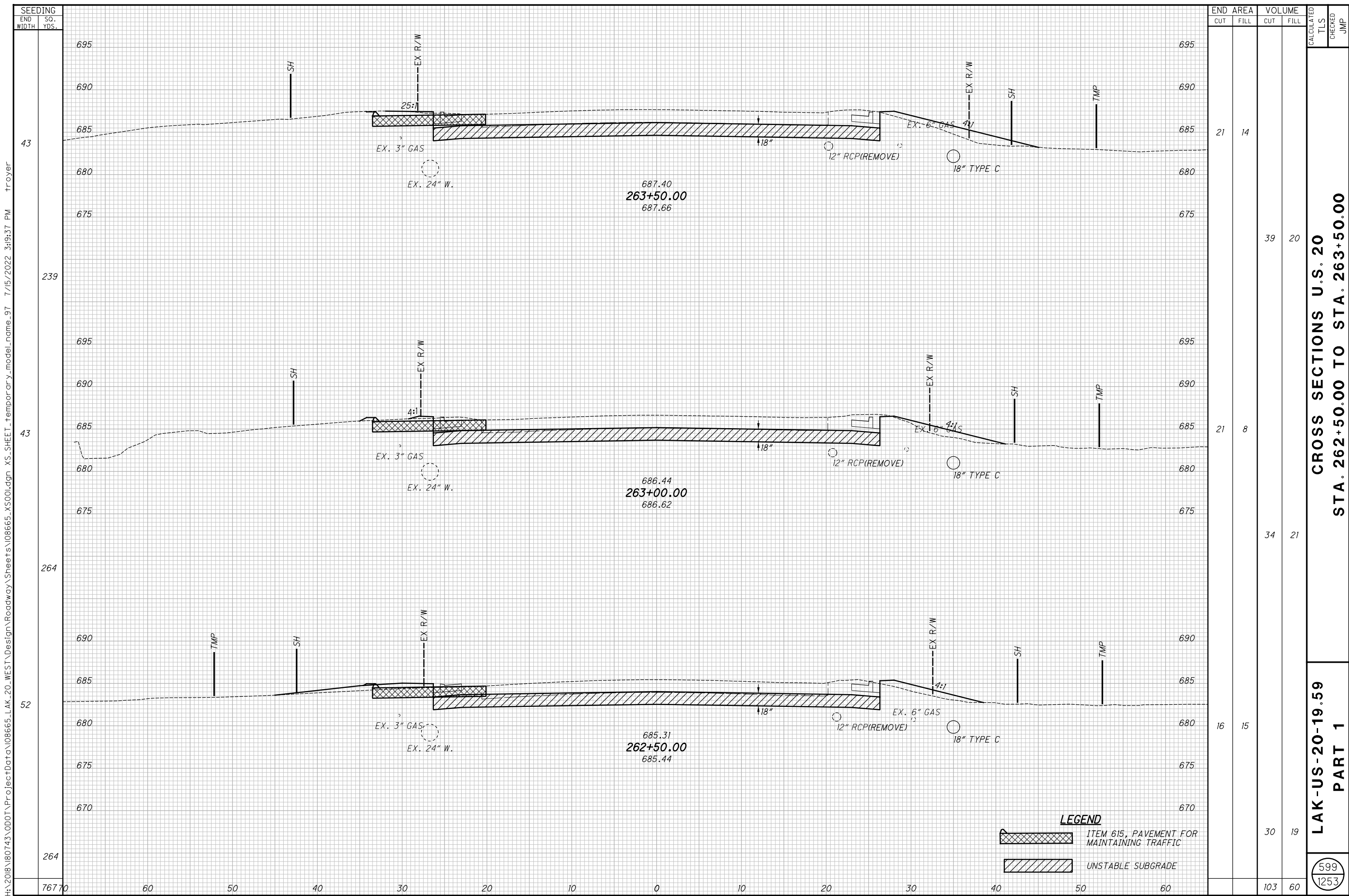
**CROSS SECTIONS U.S. 20**  
**STA. 261+00.00 TO STA. 262+00.00**

**LAK-US-20-19.59**  
**PART 1**

598  
 1253

SEEDING  
 END WIDTH SO. YDS.  
 43  
 236  
 42  
 233  
 42  
 236  
 70570 60 50 40 30 20 10 0 10 20 30 40 50 60

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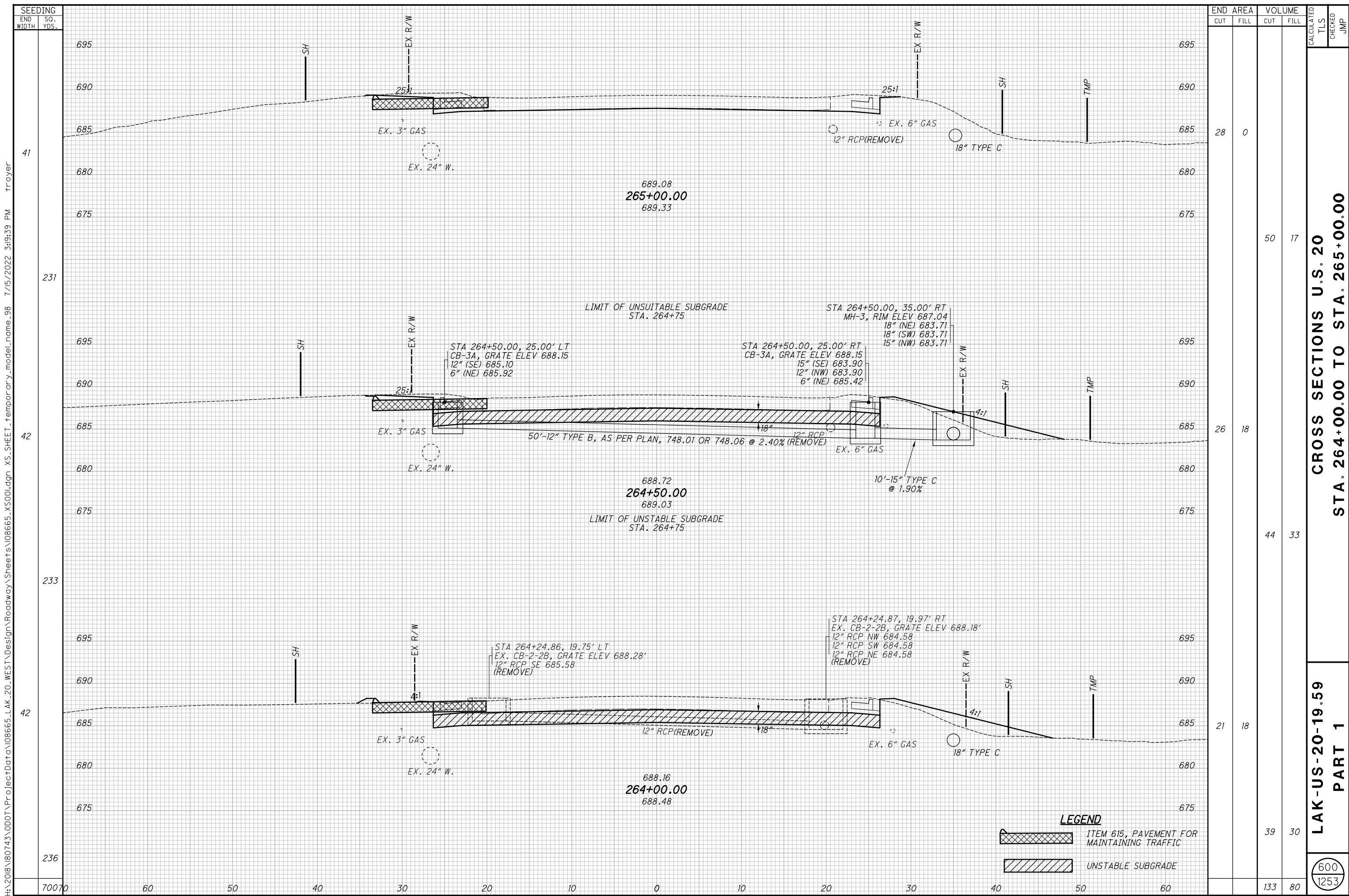
SEEDING  
 END SO.  
 WIDTH YDS.  
 43  
 239  
 264  
 52  
 264  
 767 70

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
21	14	39	20		
21	8	34	21		
16	15	30	19		
		103	60		

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 262+50.00 TO STA. 263+50.00**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC  
 UNSTABLE SUBGRADE

599  
1253



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
41	28	0	50	17			
42	26	18	44	33			
42	21	18	39	30			
70070	76	36	133	80			

**CROSS SECTIONS U.S. 20**  
**STA. 264+00.00 TO STA. 265+00.00**

**LAK-US-20-19.59**  
**PART 1**

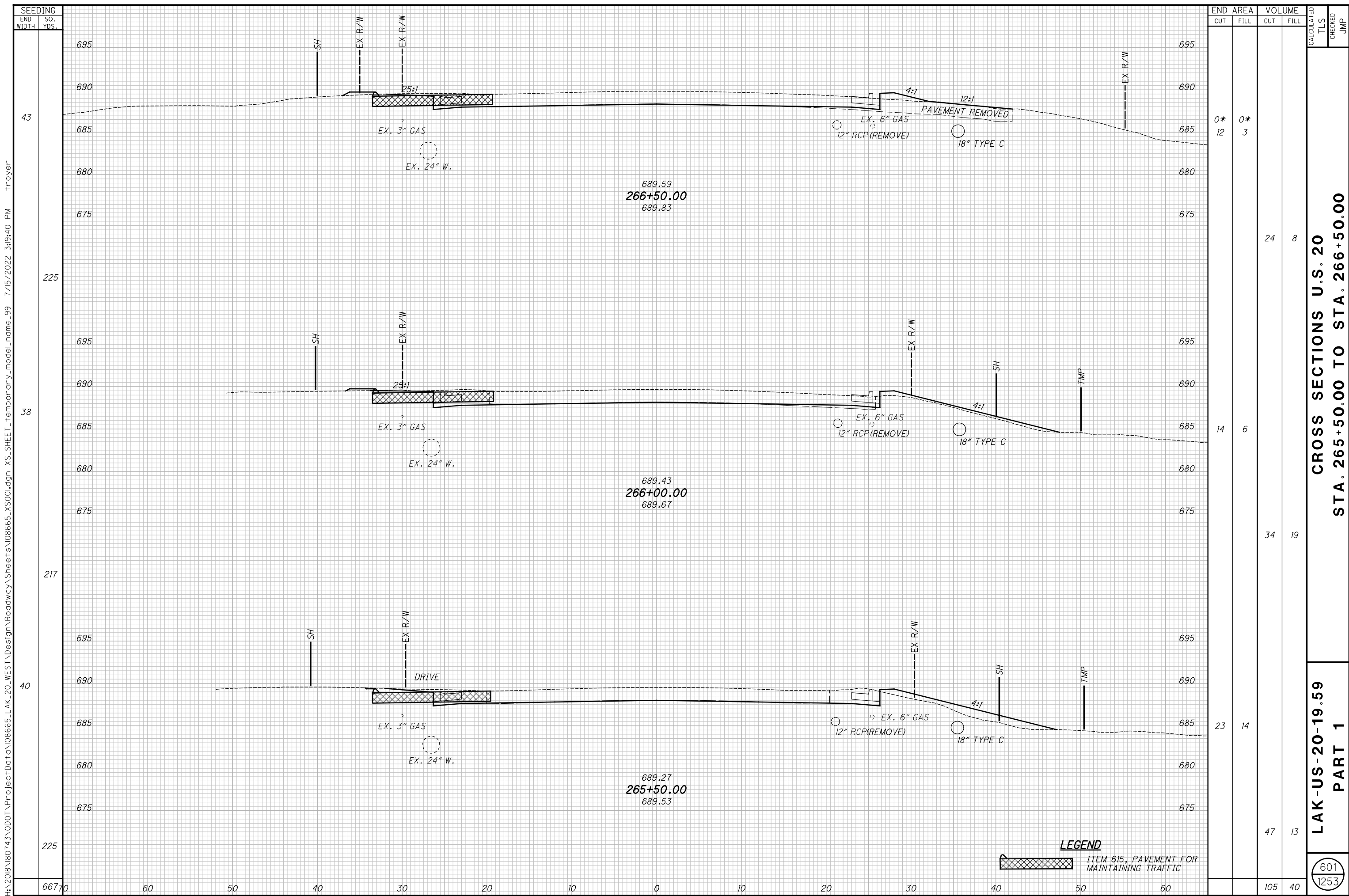
600  
 1253

**LEGEND**

ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

UNSTABLE SUBGRADE

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SEEDING	
END WIDTH	SO. YDS.
43	43
38	38
217	217
40	40
225	225
667	667

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
0*	0*	0*	0*		
12	3				
		24	8		
14	6				
		34	19		
23	14				
		47	13		
		105	40		

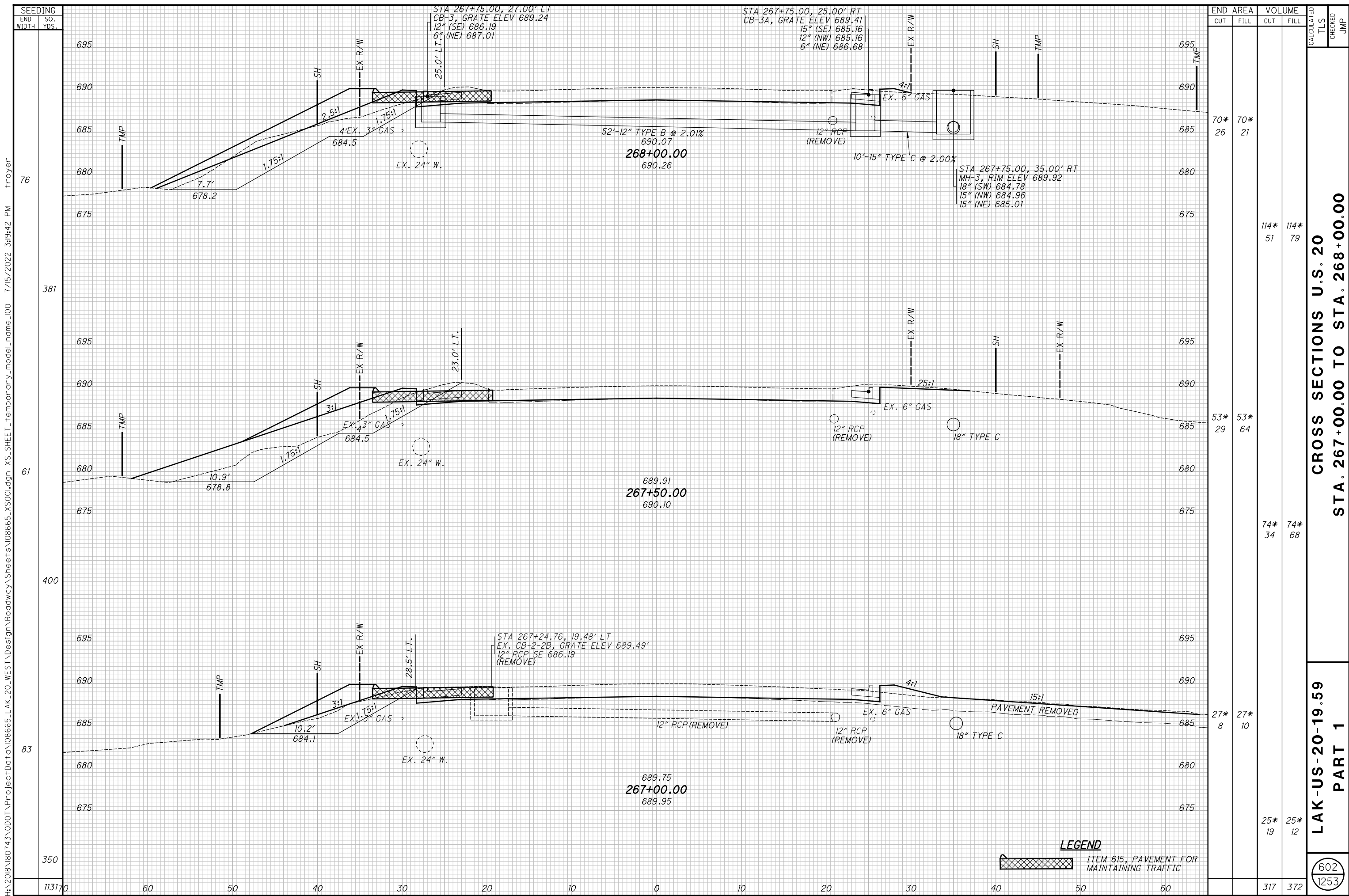
**CROSS SECTIONS U.S. 20**  
**STA. 265+50.00 TO STA. 266+50.00**

**LAK-US-20-19.59**  
**PART 1**

601  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING	
END WIDTH	SO. YDS.
113170	60
60	50
40	30
20	10
0	0
10	10
20	20
30	30
40	40
50	50
60	60

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
70*	70*				
26	21				
		114*	114*		
		51	79		
		53*	53*		
		29	64		
		74*	74*		
		34	68		
		27*	27*		
		8	10		
		25*	25*		
		19	12		
		317	372		

**CROSS SECTIONS U.S. 20  
STA. 267+00.00 TO STA. 268+00.00**

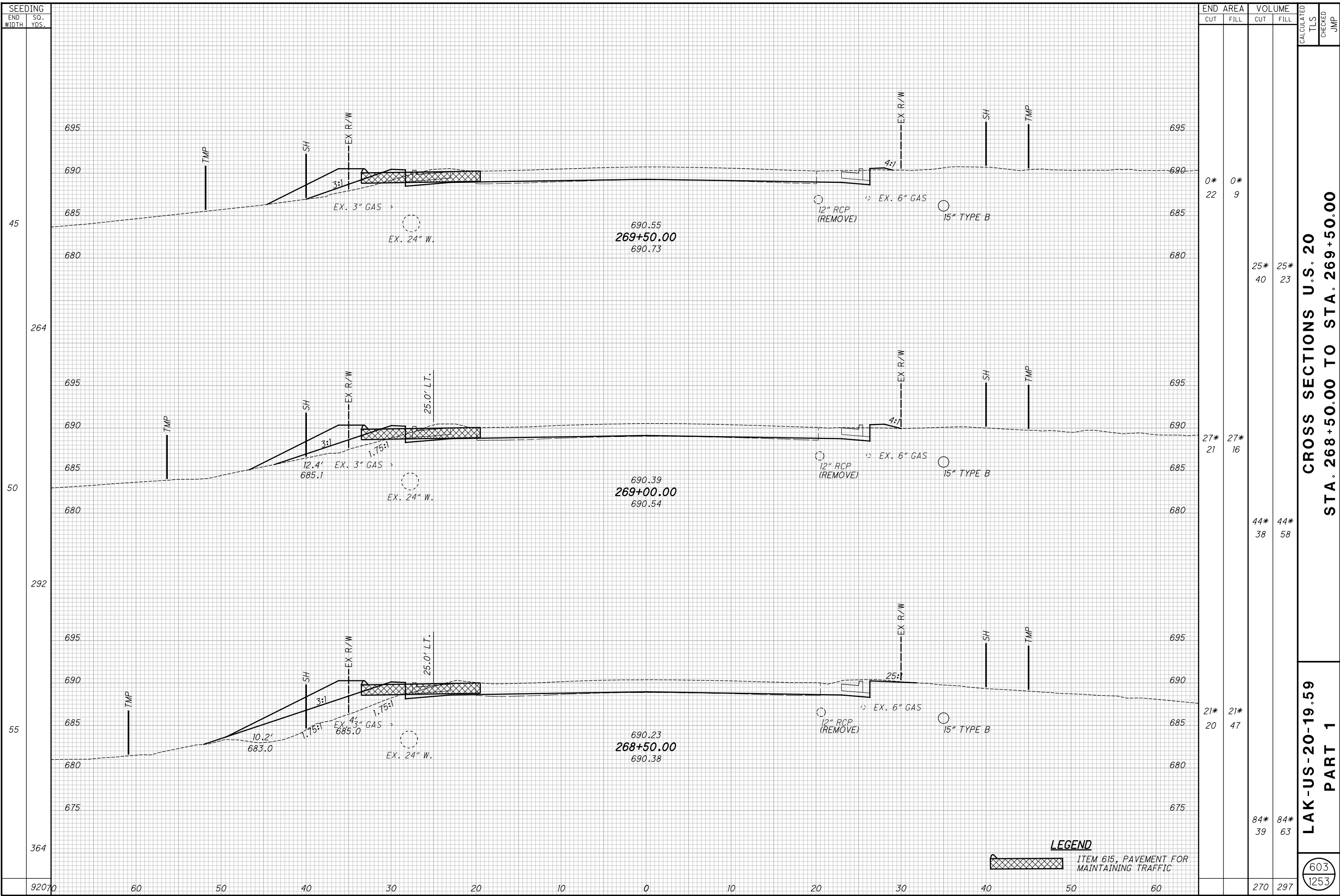
**LAK-US-20-19.59  
PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

(602)  
1253

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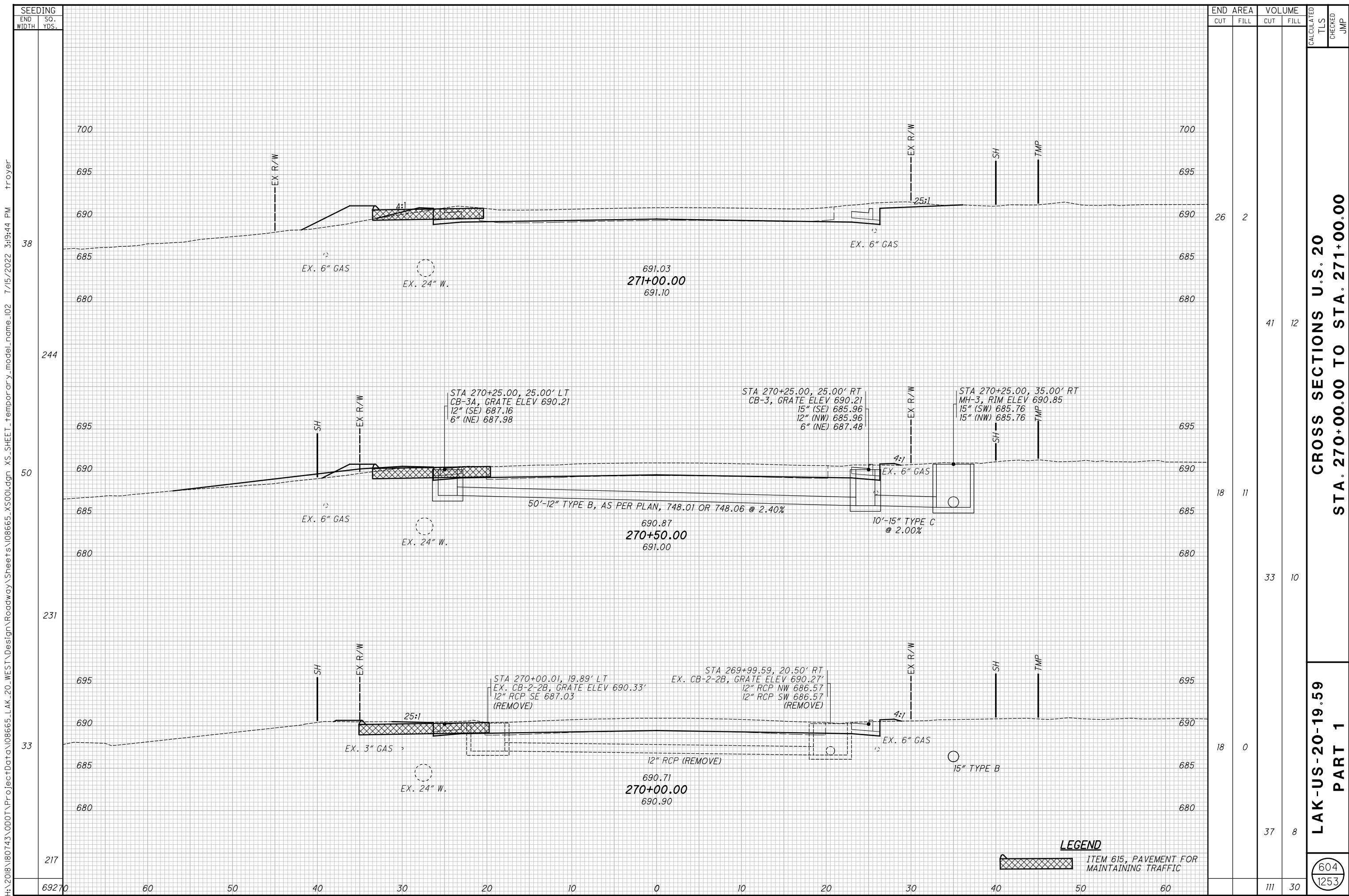
**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

END STA.	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
268+50.00	21*	21*	20	47		
269+00.00	27*	27*	21	16		
269+50.00	0*	0*	22	9		
<b>TOTAL</b>	<b>84*</b>	<b>84*</b>	<b>39</b>	<b>63</b>		

**CROSS SECTIONS U.S. 20  
 STA. 268+50.00 TO STA. 269+50.00**

**LAK-US-20-19.59  
 PART 1**

603  
1253



SEEDING	
END WIDTH	SO. YDS.
38	685
244	680
50	685
231	680
33	685
217	680
69270	680

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
26	2				
		41	12		
		18	11		
		33	10		
		18	0		
		37	8		
		111	30		

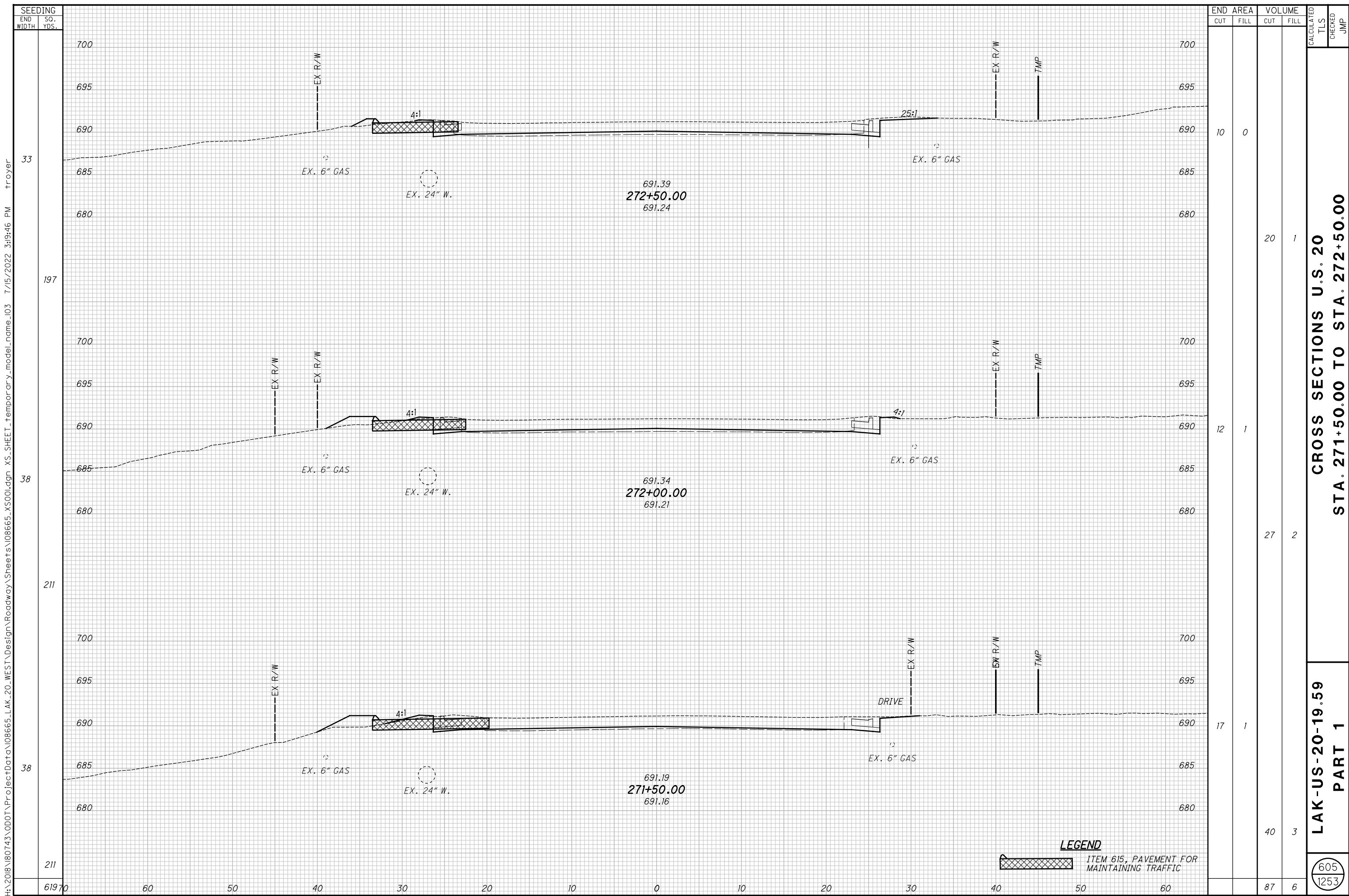
**CROSS SECTIONS U.S. 20**  
**STA. 270+00.00 TO STA. 271+00.00**

**LAK-US-20-19.59**  
**PART 1**

604  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1 temporary\_model\_name\_102 7/15/2022 3:19:44 PM Troyer



SEEDING	
END WIDTH	SO. YDS.
33	700
197	695
38	690
211	685
38	680
211	675
38	670
211	665
38	660
211	655
38	650
211	645
38	640
211	635
38	630
211	625
38	620
211	615
38	610
211	605
38	600
211	595
38	590
211	585
38	580
211	575
38	570
211	565
38	560
211	555
38	550
211	545
38	540
211	535
38	530
211	525
38	520
211	515
38	510
211	505
38	500
211	495
38	490
211	485
38	480
211	475
38	470
211	465
38	460
211	455
38	450
211	445
38	440
211	435
38	430
211	425
38	420
211	415
38	410
211	405
38	400
211	395
38	390
211	385
38	380
211	375
38	370
211	365
38	360
211	355
38	350
211	345
38	340
211	335
38	330
211	325
38	320
211	315
38	310
211	305
38	300
211	295
38	290
211	285
38	280
211	275
38	270
211	265
38	260
211	255
38	250
211	245
38	240
211	235
38	230
211	225
38	220
211	215
38	210
211	205
38	200
211	195
38	190
211	185
38	180
211	175
38	170
211	165
38	160
211	155
38	150
211	145
38	140
211	135
38	130
211	125
38	120
211	115
38	110
211	105
38	100
211	95
38	90
211	85
38	80
211	75
38	70
211	65
38	60
211	55
38	50
211	45
38	40
211	35
38	30
211	25
38	20
211	15
38	10
211	5
38	0
211	-5
38	-10
211	-15
38	-20
211	-25
38	-30
211	-35
38	-40
211	-45
38	-50
211	-55
38	-60
211	-65
38	-70
211	-75
38	-80
211	-85
38	-90
211	-95
38	-100

END AREA	VOLUME	CALCULATED	CHECKED	JMP
10	0			
12	1			
17	1			
87	6			

CROSS SECTIONS U.S. 20  
STA. 271+50.00 TO STA. 272+50.00

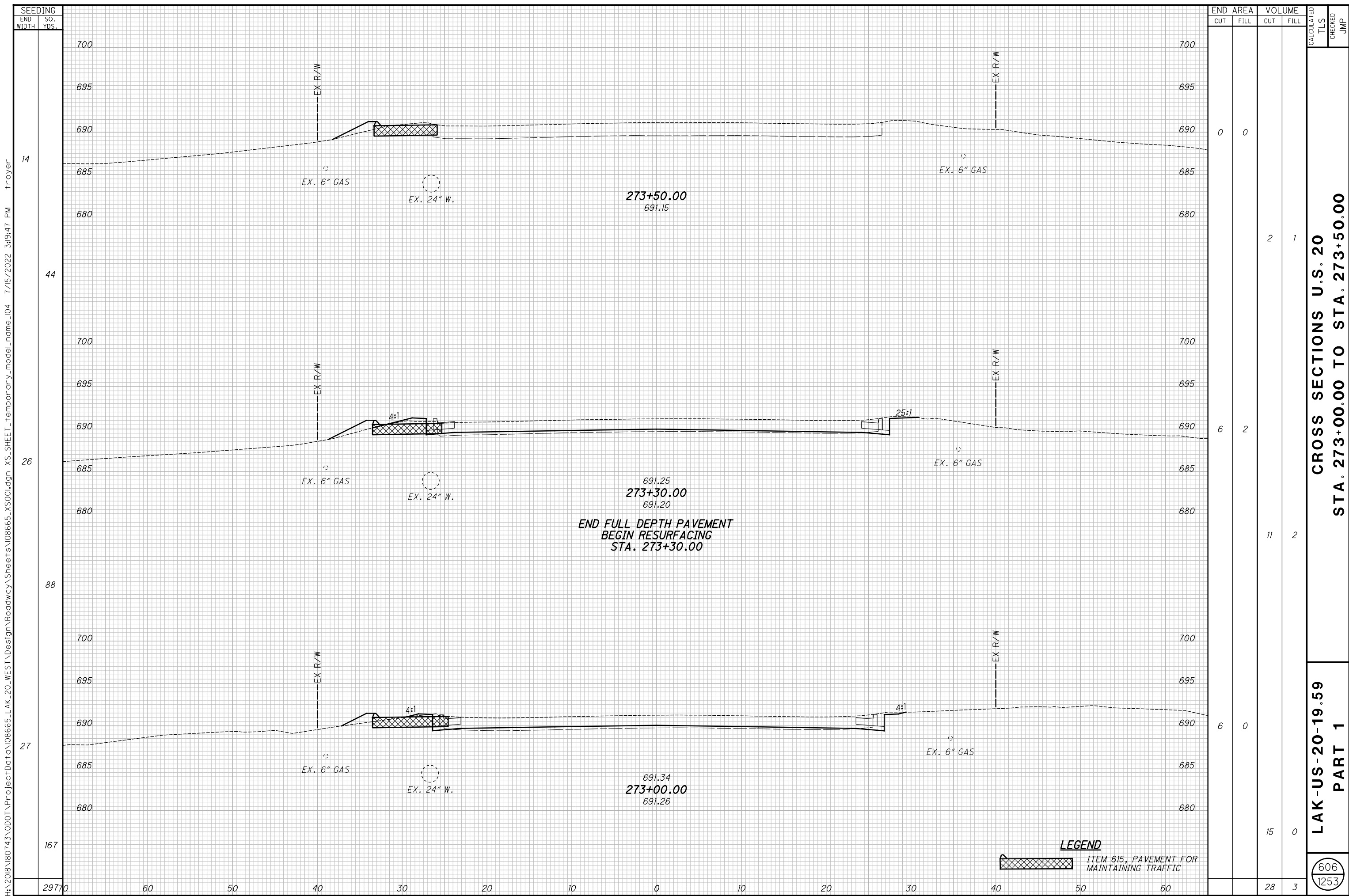
LAK-US-20-19.59  
PART 1

605  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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**CROSS SECTIONS U.S. 20**  
**STA. 273+00.00 TO STA. 273+50.00**

**LAK-US-20-19.59**  
**PART 1**

606  
1253

14  
44  
26  
88  
27  
167

700  
695  
690  
685  
680

700  
695  
690  
685  
680

700  
695  
690  
685  
680

700  
695  
690  
685  
680

EX. R/W

EX. 6" GAS

EX. 24" W.

273+50.00  
691.15

4:1

25:1

EX. 6" GAS

691.25  
273+30.00  
691.20

END FULL DEPTH PAVEMENT  
BEGIN RESURFACING  
STA. 273+30.00

EX. R/W

EX. 6" GAS

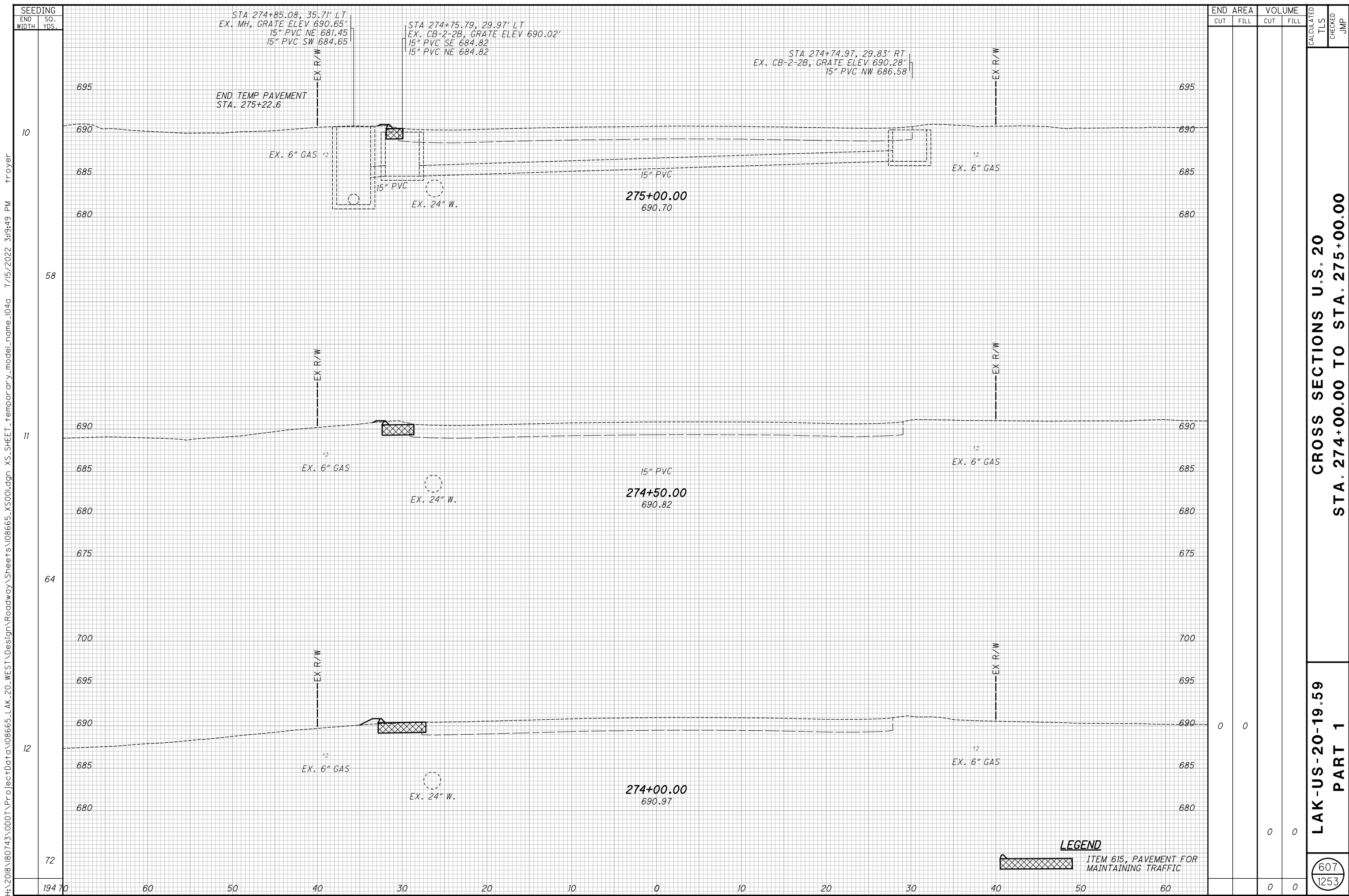
EX. 24" W.

4:1

EX. 6" GAS

691.34  
273+00.00  
691.26

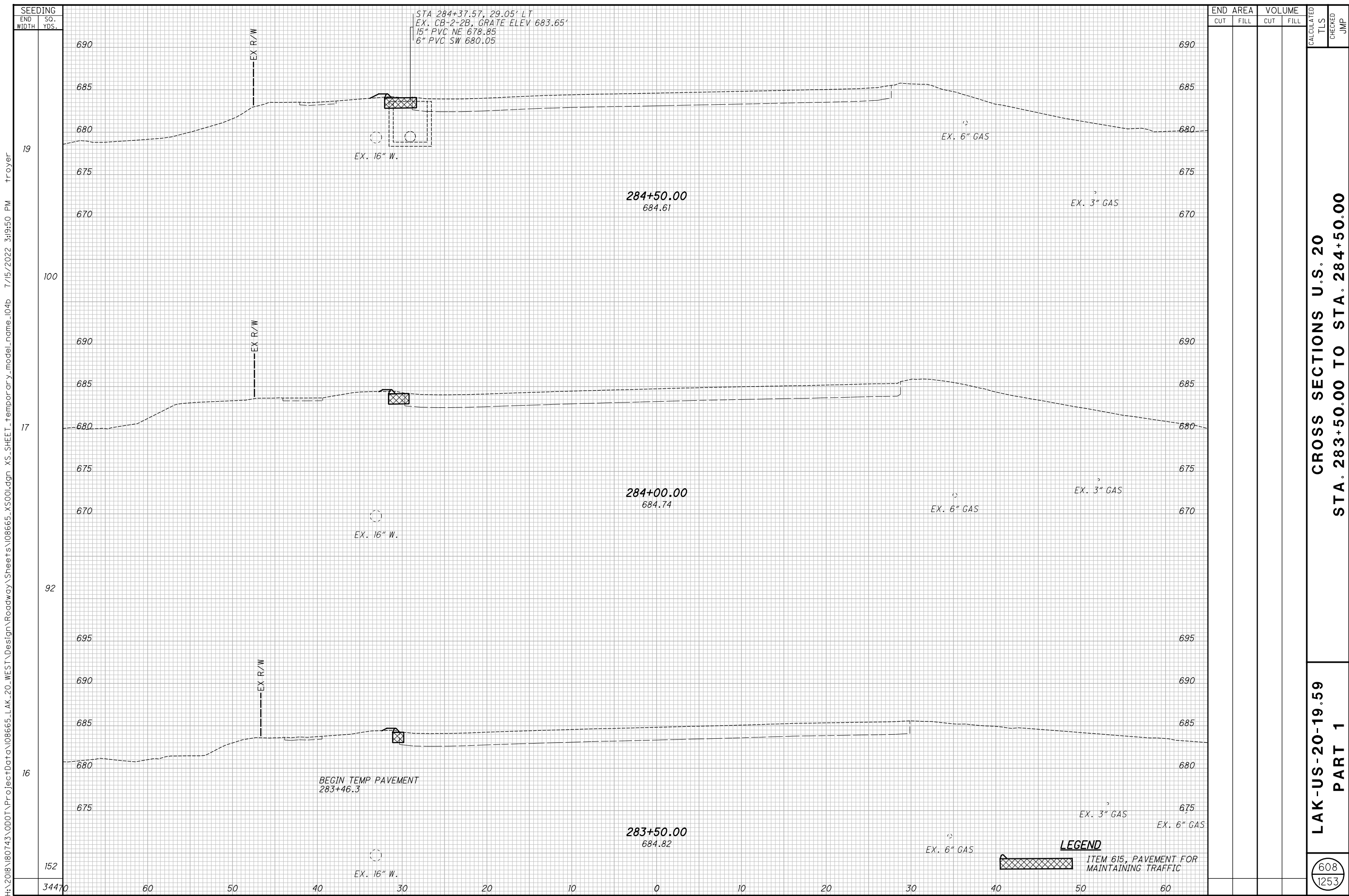
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
0	0	2	1		
6	2	11	2		
6	0	15	0		
		28	3		



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LAK-US-20-19.59  
PART 1  
CROSS SECTIONS U.S. 20  
STA. 274+00.00 TO STA. 275+00.00

607  
1253



SEEDING  
 END SO.  
 WIDTH YDS.  
 19  
 100  
 17  
 92  
 16  
 152  
 34470  
 60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		

STA 284+37.57, 29.05' LT  
 EX. CB-2-2B, GRATE ELEV 683.65'  
 15" PVC NE 678.85  
 6" PVC SW 680.05

BEGIN TEMP PAVEMENT  
 283+46.3

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

**CROSS SECTIONS U.S. 20**  
**STA. 283+50.00 TO STA. 284+50.00**

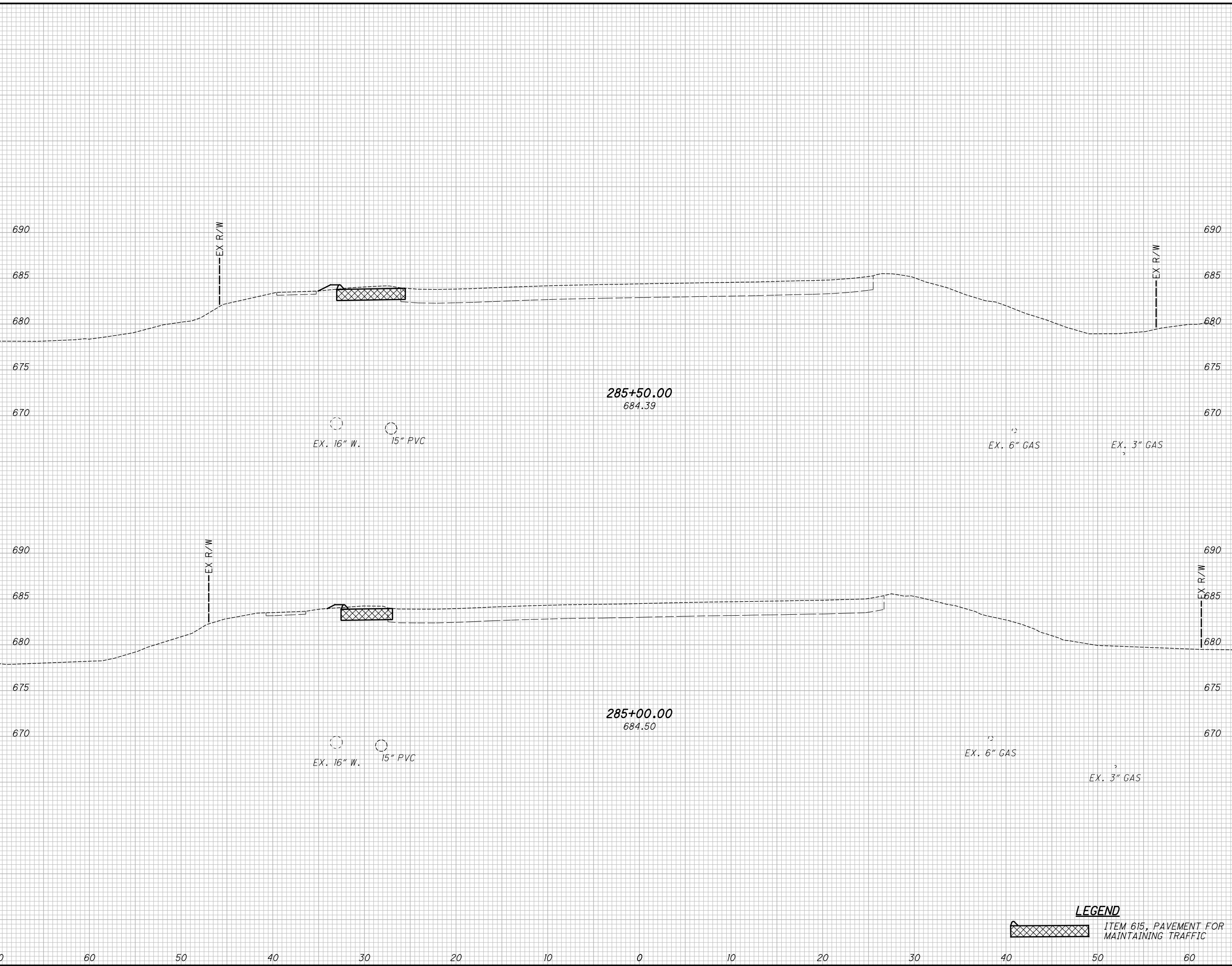
**LAK-US-20-19.59**  
**PART 1**

608  
 1253

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H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_105 7/15/2022 3:19:52 PM Troyer

SEEDING	
END WIDTH	SO. YDS.
21470	106
60	19
50	108
40	20



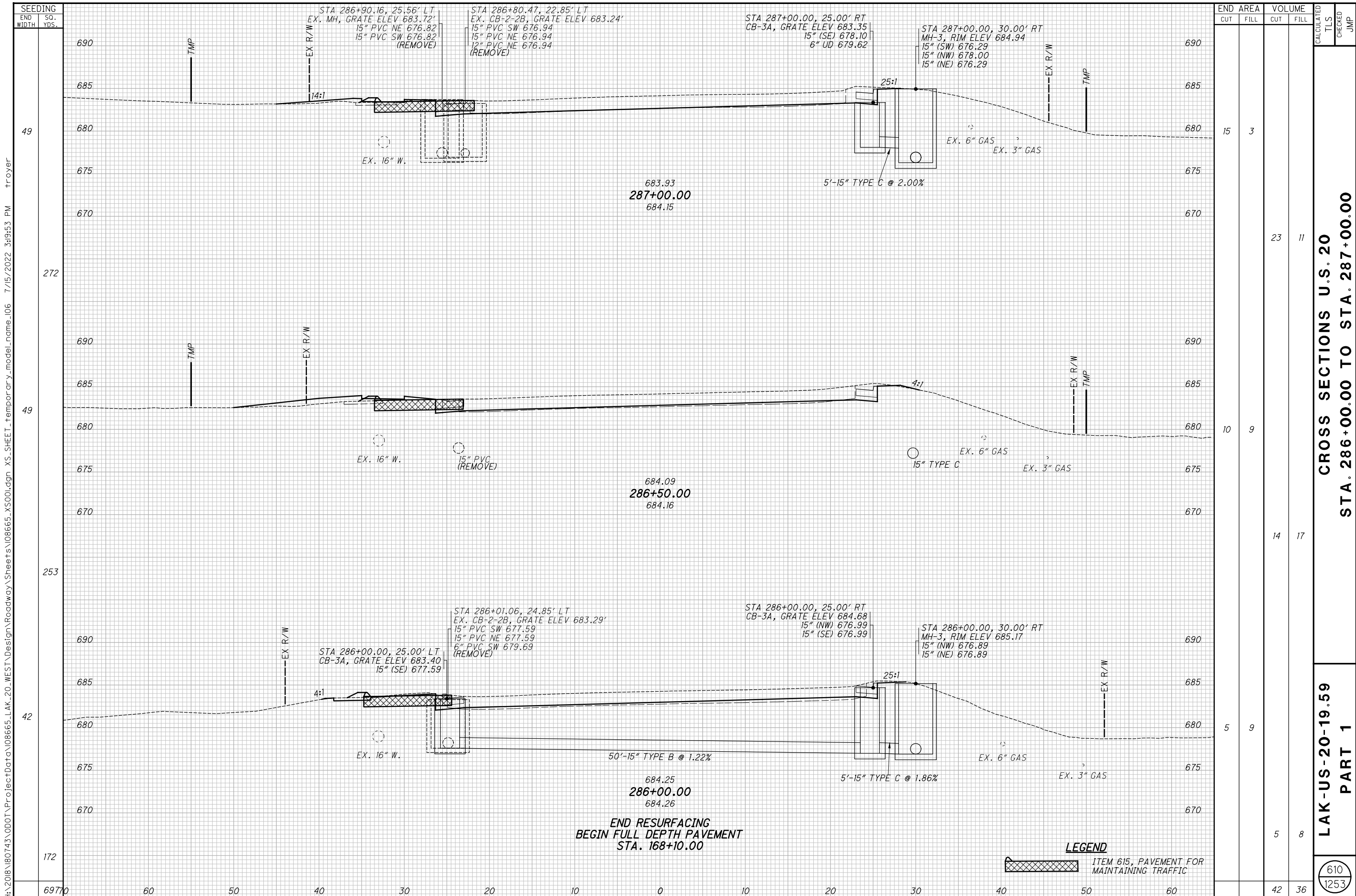
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
0	0	0	0		
0	0	0	0		
0	0	0	0		

**LAK-US-20-19.59  
PART 1**

**CROSS SECTIONS U.S. 20  
STA. 285+00.00 TO STA. 285+50.00**

609  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



END AREA	VOLUME	CALCULATED	CHECKED	JMP
15	3			
23	11			
10	9			
14	17			
5	9			
5	8			
42	36			

**CROSS SECTIONS U.S. 20**  
**STA. 286+00.00 TO STA. 287+00.00**

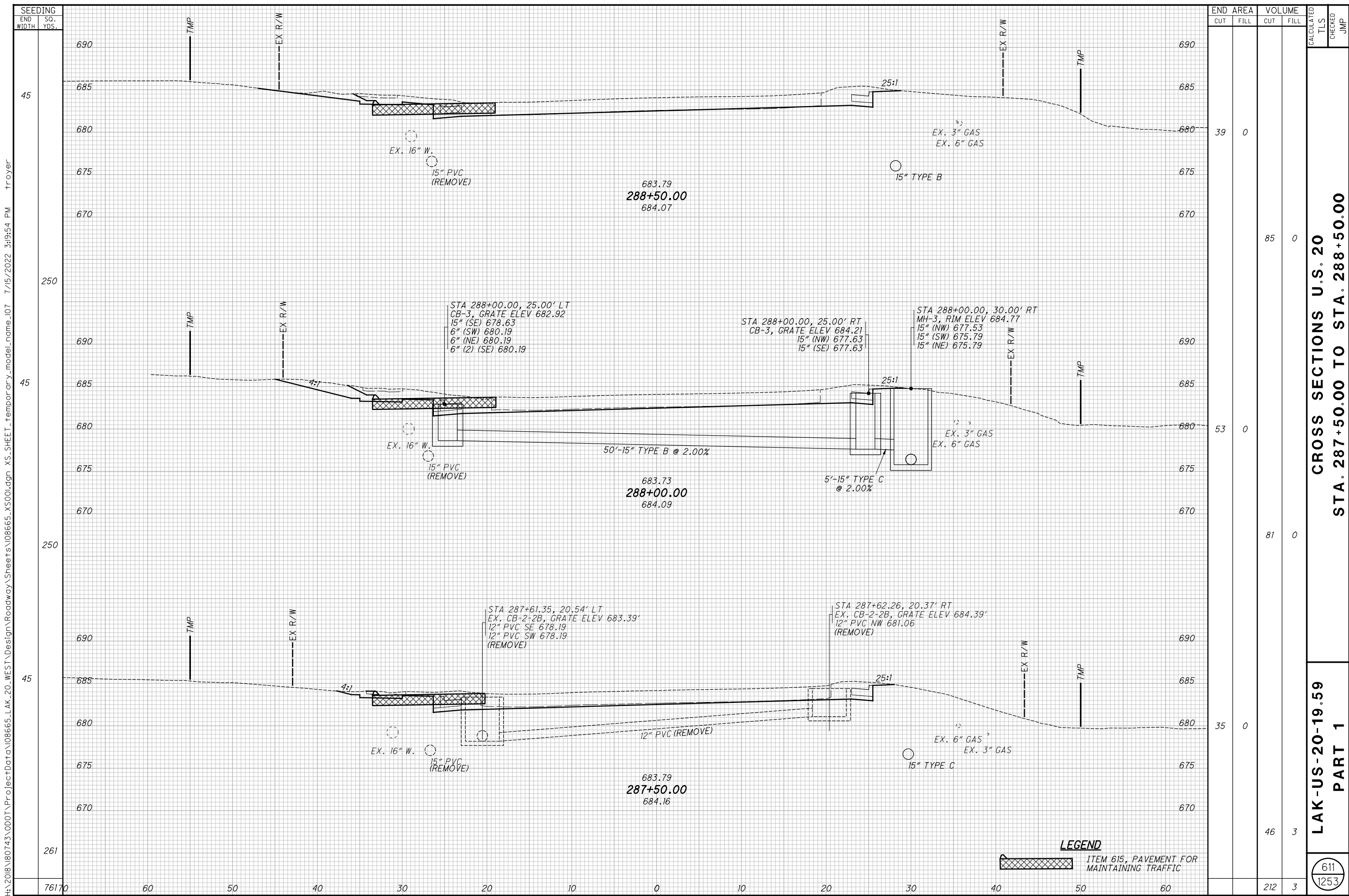
**LAK-US-20-19.59**  
**PART 1**

610  
 1253

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**END RESURFACING**  
**BEGIN FULL DEPTH PAVEMENT**  
**STA. 168+10.00**

**LEGEND**  
**ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC**



SEEDING  
 END WIDTH SO. YDS.  
 45  
 250  
 45  
 250  
 45  
 261  
 76170

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
39	0	85	0		
53	0	81	0		
35	0	46	3		
		212	3		

**CROSS SECTIONS U.S. 20**  
**STA. 287+50.00 TO STA. 288+50.00**  
**LAK-US-20-19.59**  
**PART 1**

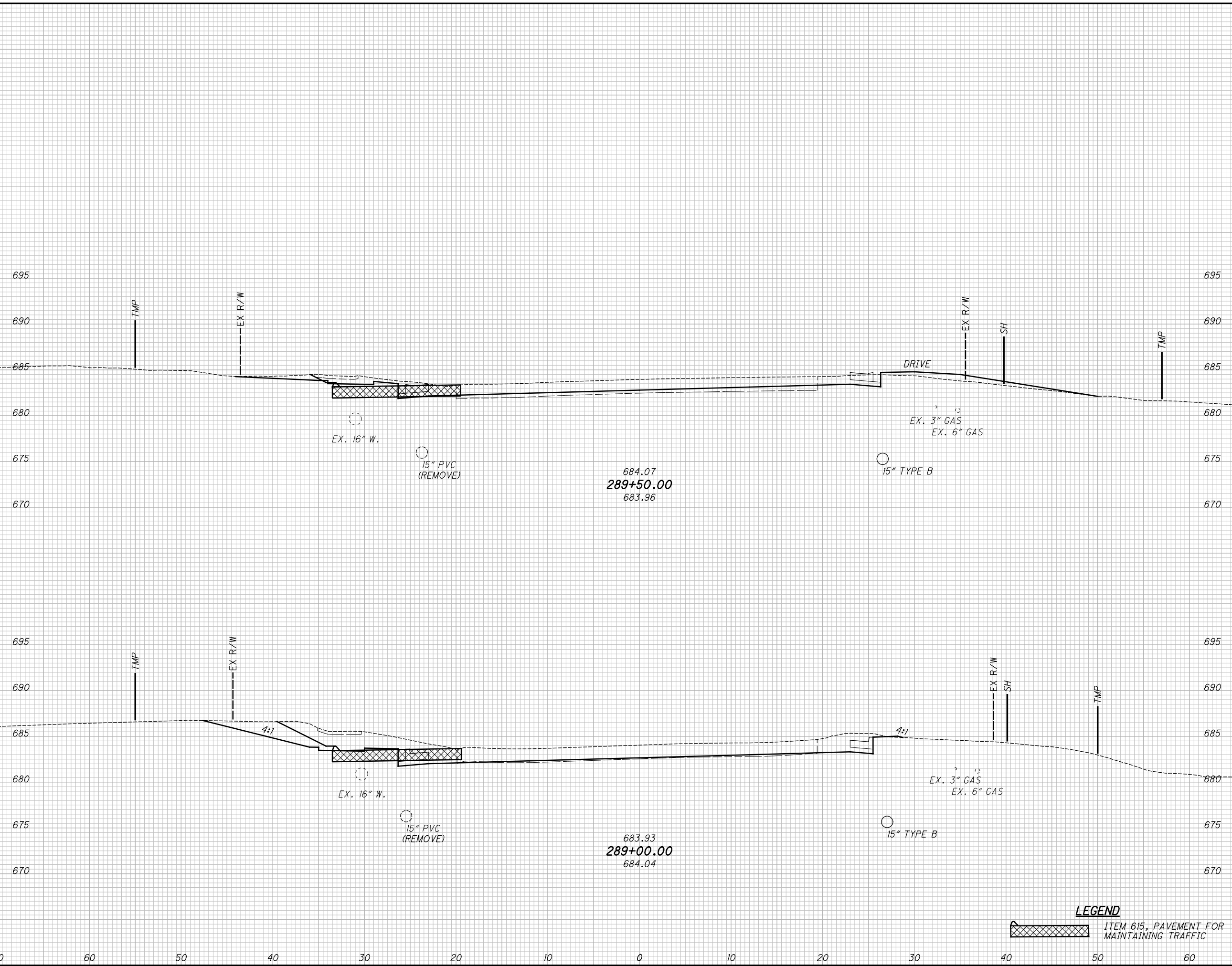
**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

611  
1253

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_107 7/15/2022 3:19:54 PM Troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_108 7/15/2022 3:19:55 PM Troyer

SEEDING	
END WIDTH	SO. YDS.
55	
289	
49	
261	
55070	



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
24	9				
		79	8		
61	0				
		93	0		
		172	8		

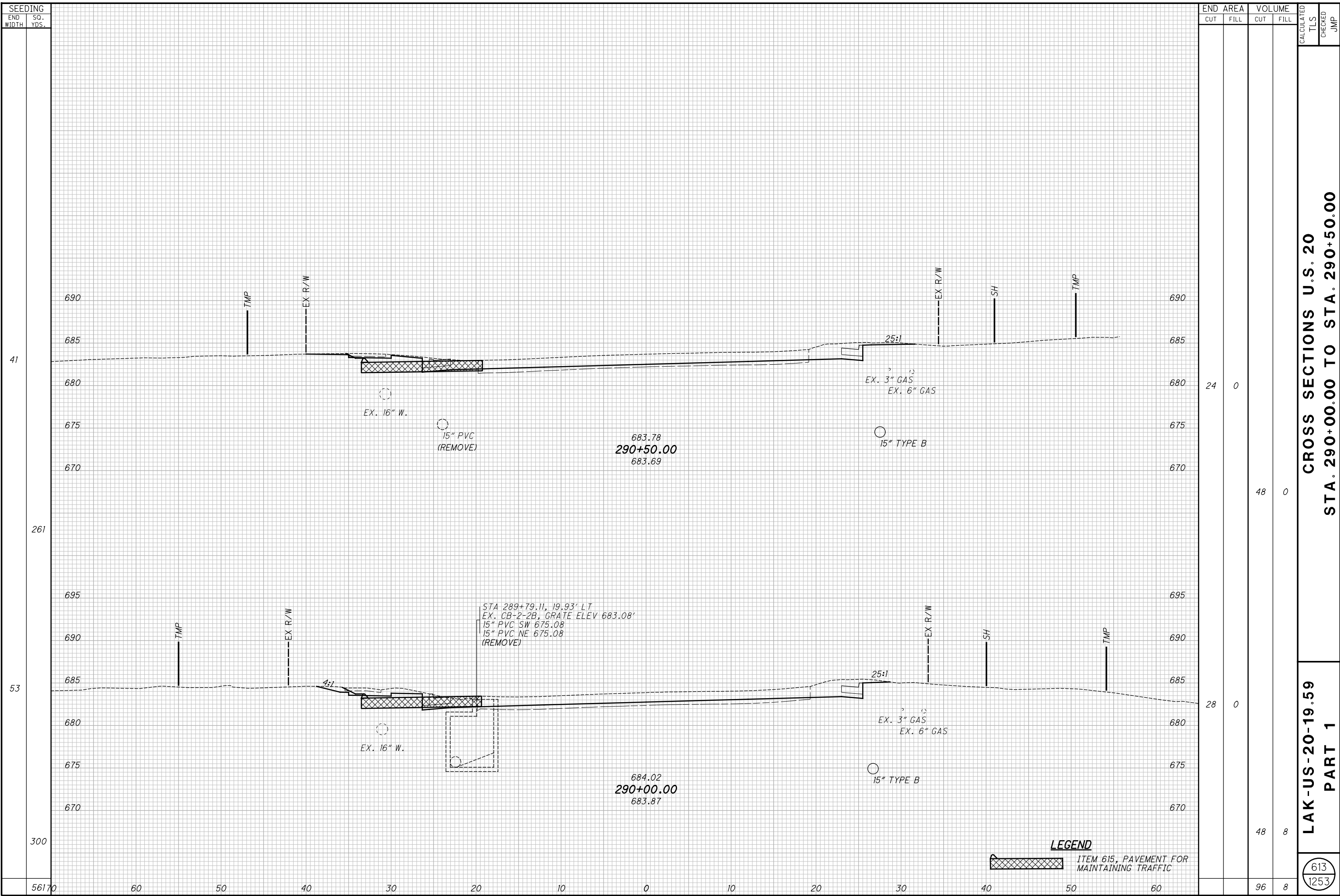
**CROSS SECTIONS U.S. 20**  
**STA. 289+00.00 TO STA. 289+50.00**

**LAK-US-20-19.59**  
**PART 1**

612  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING	
END WIDTH	SO. YDS.
41	
261	
53	
300	
56170	

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
24	0				
		48	0		
28	0				
		48	8		
		96	8		

**CROSS SECTIONS U.S. 20  
STA. 290+00.00 TO STA. 290+50.00**

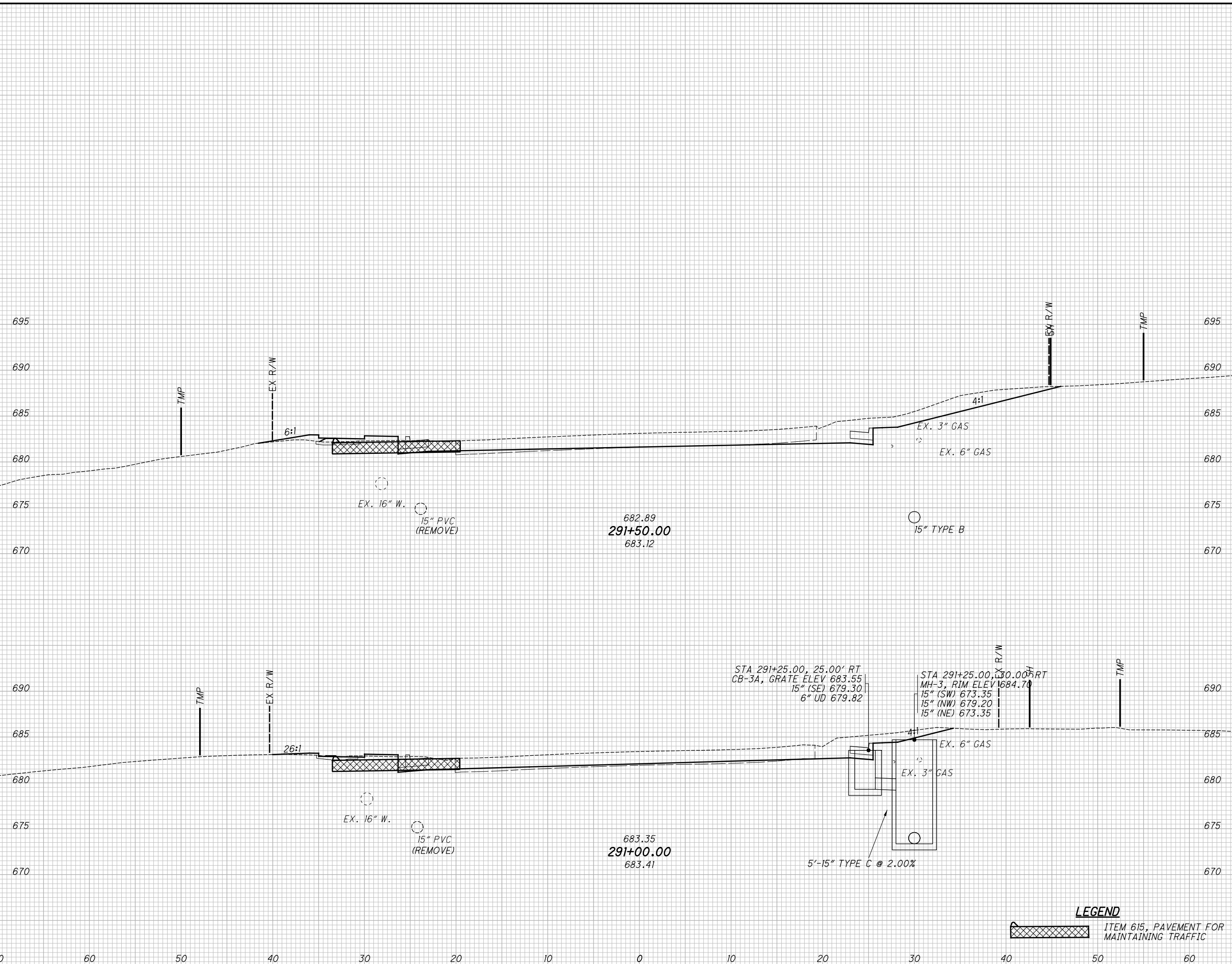
**LAK-US-20-19.59  
PART 1**

613  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



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SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	END WIDTH	SO. YDS.	CUT	FILL			
49	47	5					
258			70	6			
44	29	1					
236			49	1			
49470	119	7					

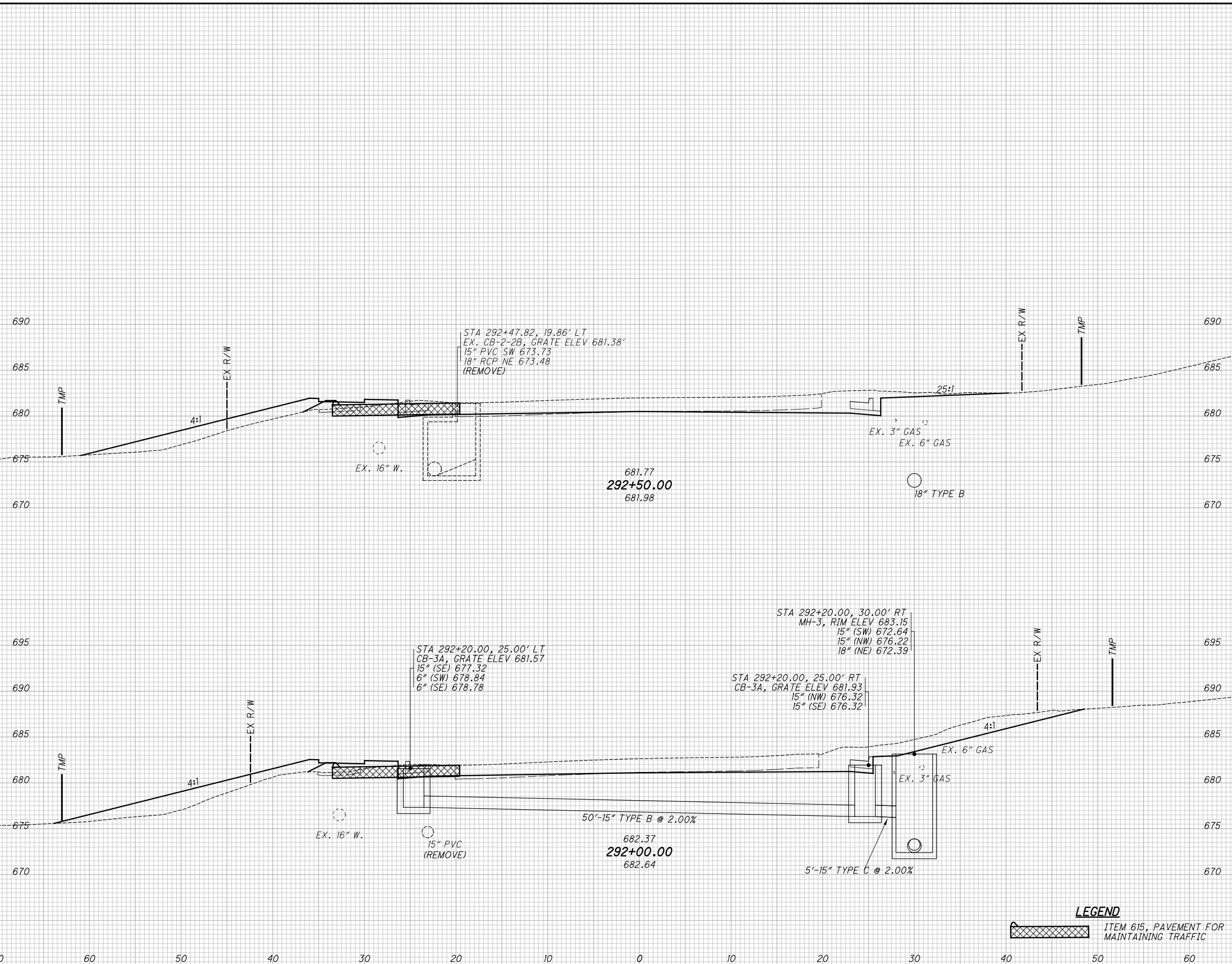
CROSS SECTIONS U.S. 20  
STA. 291+00.00 TO STA. 291+50.00

LAK-US-20-19.59  
PART 1

614  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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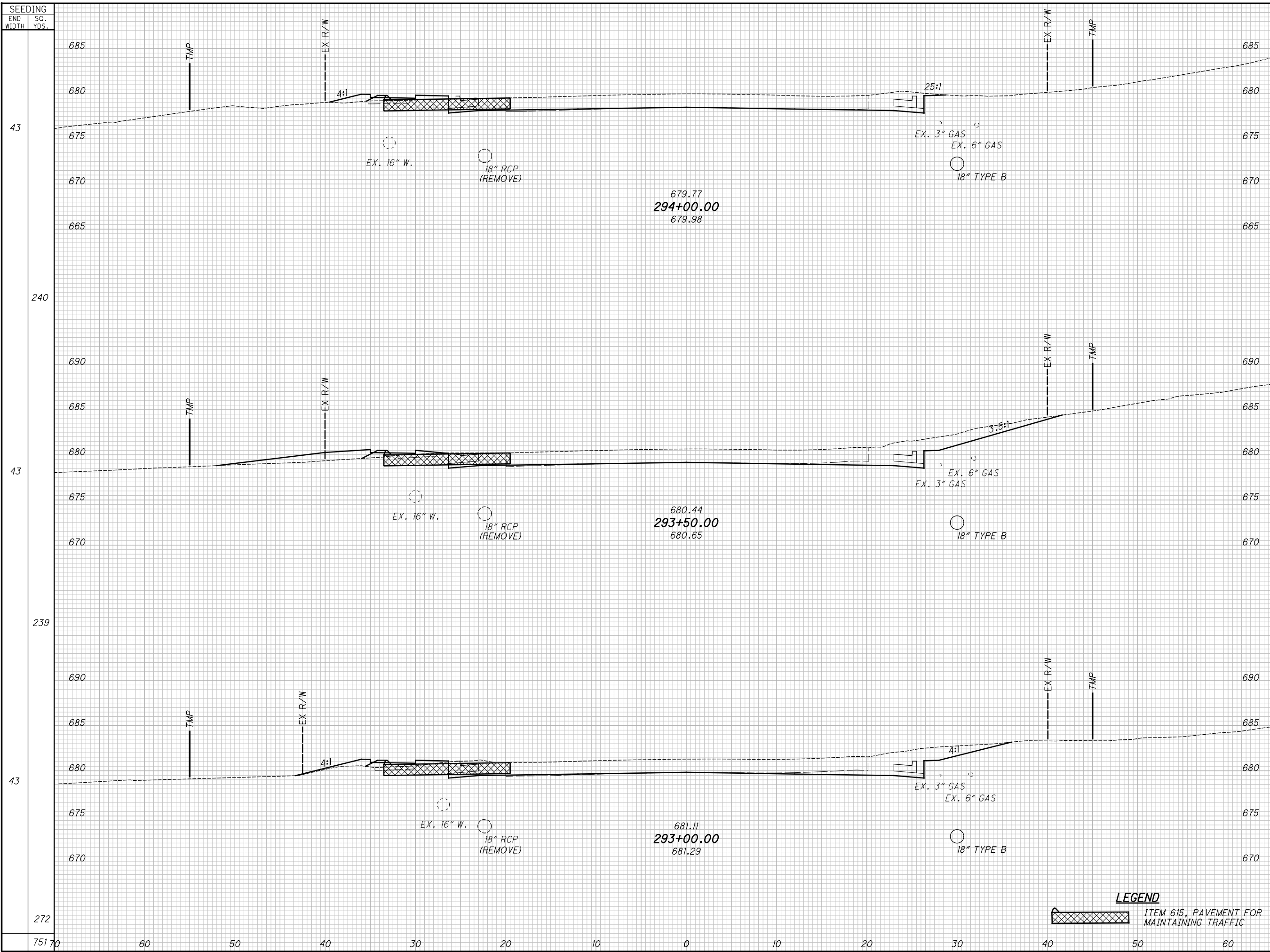


SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
55	33	36					
319			81	73			
60	54	43					
303			94	44			
62270			175	117			

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 292+00.00 TO STA. 292+50.00**  
**PART 1**  
 615  
 1253

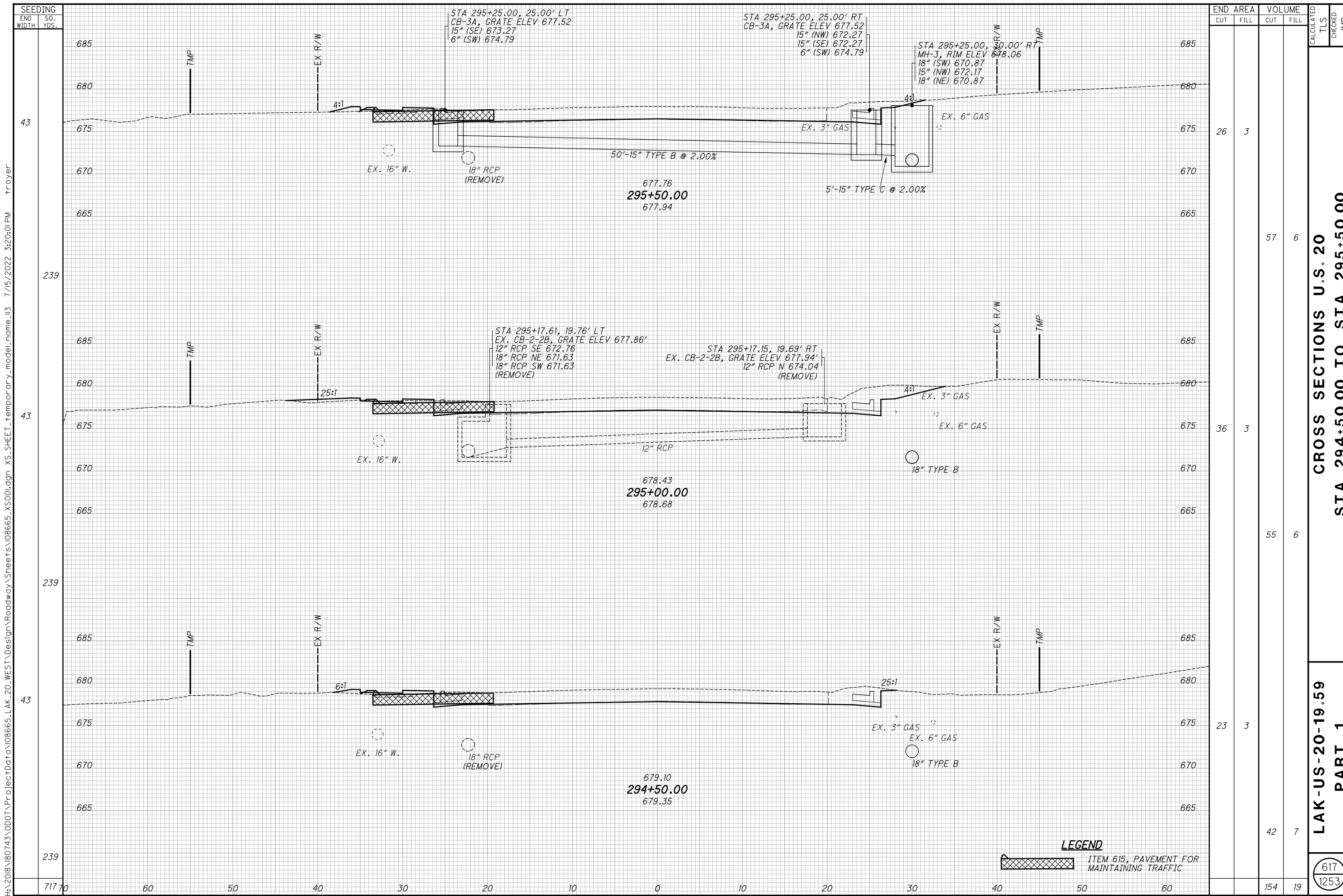
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STATION	END AREA		VOLUME	
	CUT	FILL	CUT	FILL
294+00.00	22	5	58	17
293+50.00	41	13	73	18
293+00.00	38	6	66	39
<b>TOTAL</b>	<b>101</b>	<b>24</b>	<b>197</b>	<b>74</b>

**CROSS SECTIONS U.S. 20**  
**STA. 293+00.00 TO STA. 294+00.00**  
**LAK-US-20-19.59**  
**PART 1**  
 CALCULATED: 616  
 CHECKED: 1253  
 JUMP

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



END AREA	VOLUME	CALCULATED	CHECKED	JMP
26	3			
36	3			
23	3			
154	19			

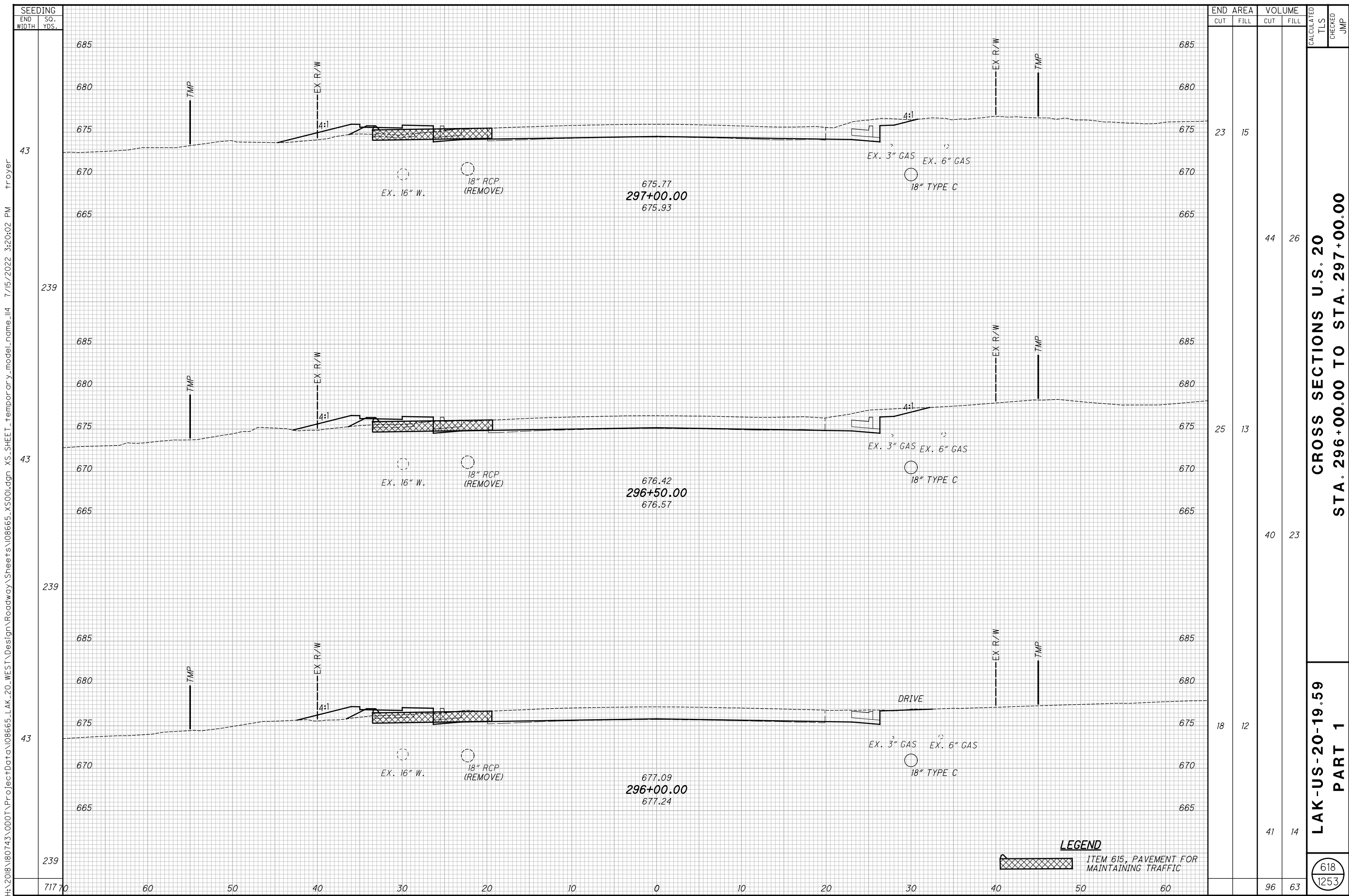
**CROSS SECTIONS U.S. 20**  
**STA. 294+50.00 TO STA. 295+50.00**

**LAK-US-20-19.59**  
**PART 1**

617  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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END STA.	AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
297+00.00	23	15	44	26		
296+50.00	25	13	40	23		
296+00.00	18	12	41	14		
<b>TOTAL</b>	<b>66</b>	<b>40</b>	<b>125</b>	<b>63</b>		

**CROSS SECTIONS U.S. 20  
STA. 296+00.00 TO STA. 297+00.00**

**LAK-US-20-19.59  
PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

618  
1253

SEEDING  
 END WIDTH SO. YDS.  
 717.70 60 50 40 30 20 10 0 10 20 30 40 50 60  
 43 239 43 239 43 239  
 7/15/2022 3:20:02 PM Troyer



SEEDING		END AREA		VOLUME		CALCULATED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	TLS	JMP
33	685	13	23				
211	675			27	44		
43	670	16	25				
239	665			31	59		
43	675	18	39				
239	665			38	50		
68970	670			96	153		

**CROSS SECTIONS U.S. 20**  
**STA. 297+50.00 TO STA. 298+50.00**

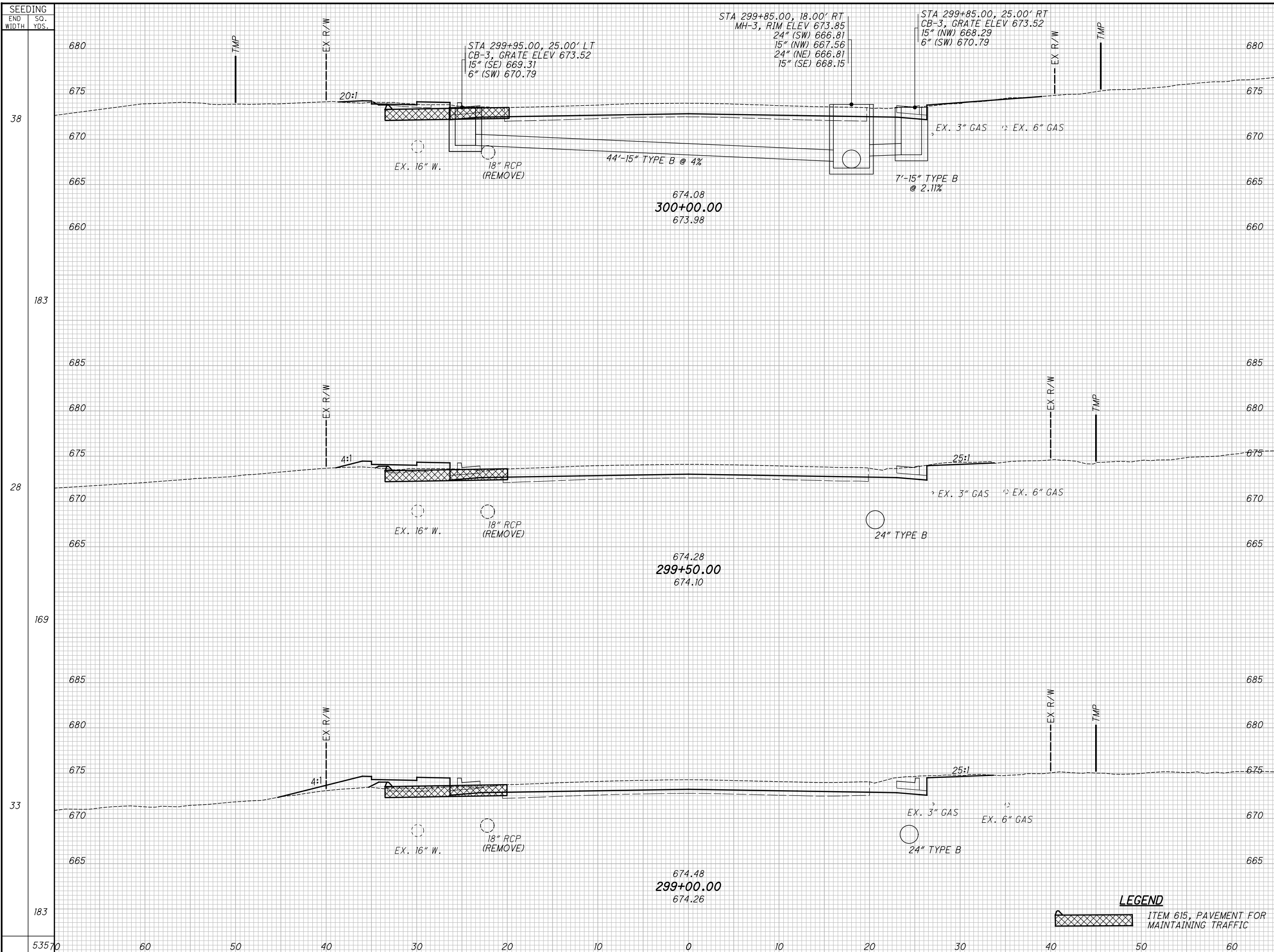
**LAK-US-20-19.59**  
**PART 1**

619  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_115 7/15/2022 3:20:04 PM troyer

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name.ll6 7/15/2022 3:20:05 PM troyer



END AREA	VOLUME	CALCULATED		CHECKED	JMP
		CUT	FILL		
16	2				
	28		7		
14	6				
	28		19		
16	15				
	27		35		
	83		61		

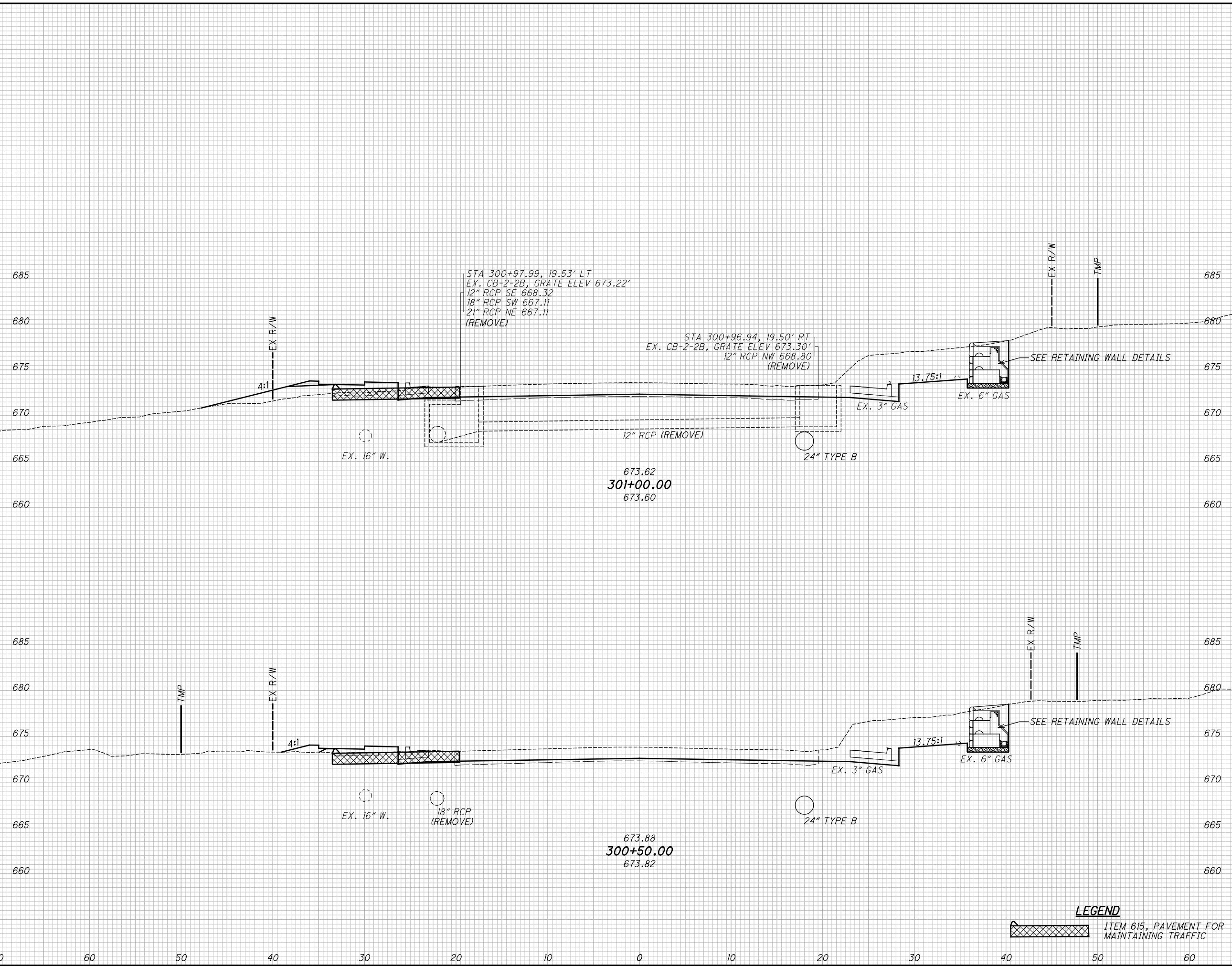
**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**PART 1**  
**STA. 299+00.00 TO STA. 300+00.00**

620  
1253

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SEEDING	
END WIDTH	SO. YDS.
414	70
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
86	20	157	24		
84	6	93	7		
		250	31		

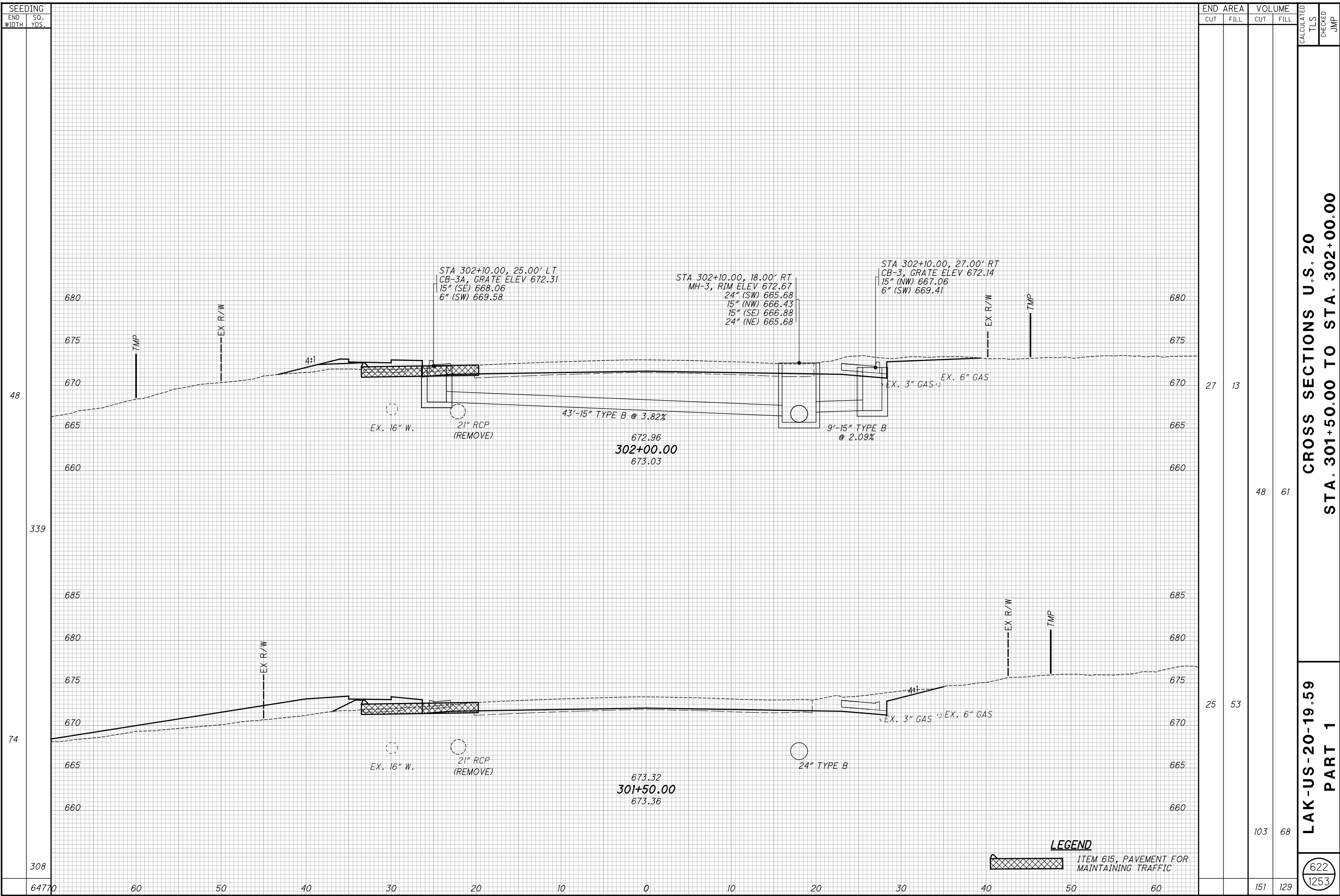
**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 300+50.00 TO STA. 301+00.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

621  
1253



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48

339

74

308

64770

60

50

40

30

20

10

0

10

20

30

40

50

60

27

13

48

61

25

53

103

68

151

129

STA 302+10.00, 25.00' LT  
CB-3A, GRATE ELEV 672.31  
15" (SE) 668.06  
6" (SW) 669.58

STA 302+10.00, 18.00' RT  
MH-3, RIM ELEV 672.67  
24" (SW) 665.68  
15" (NW) 666.43  
15" (SE) 666.88  
24" (NE) 665.68

STA 302+10.00, 27.00' RT  
CB-3, GRATE ELEV 672.14  
15" (NW) 667.06  
6" (SW) 669.41

EX. 16" W.

21" RCP  
(REMOVE)

43'-15" TYPE B @ 3.82%

672.96  
302+00.00  
673.03

9'-15" TYPE B  
@ 2.09%

EX. 3" GAS

EX. 6" GAS

EX. 16" W.

21" RCP  
(REMOVE)

673.32  
301+50.00  
673.36

24" TYPE B

EX. 3" GAS

EX. 6" GAS



SEEDING	
END WIDTH	SO. YDS.
60	51
50	278
40	49
30	269
20	48
10	267
0	81470

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
11	60	26	92		
17	39	33	51		
19	16	43	27		
		102	170		

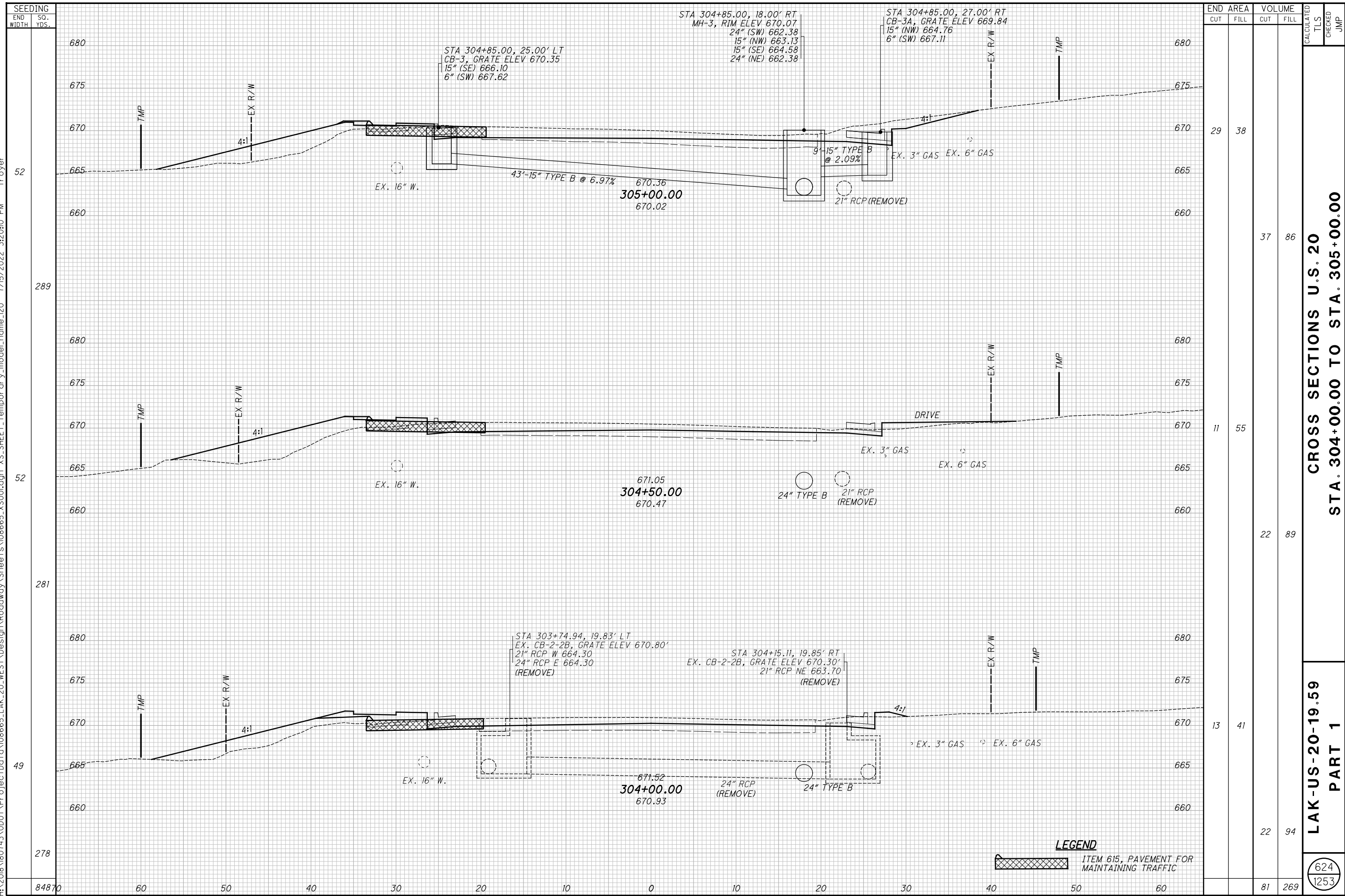
**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 302+50.00 TO STA. 303+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

623  
1253

H:\2018\180743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_119 7/15/2022 3:20:08 PM Troyer

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END AREA	VOLUME	CALCULATED	CHECKED	JMP
29	38			
11	55			
22	89			
13	41			
22	94			
81	269			

CROSS SECTIONS U.S. 20  
STA. 304+00.00 TO STA. 305+00.00

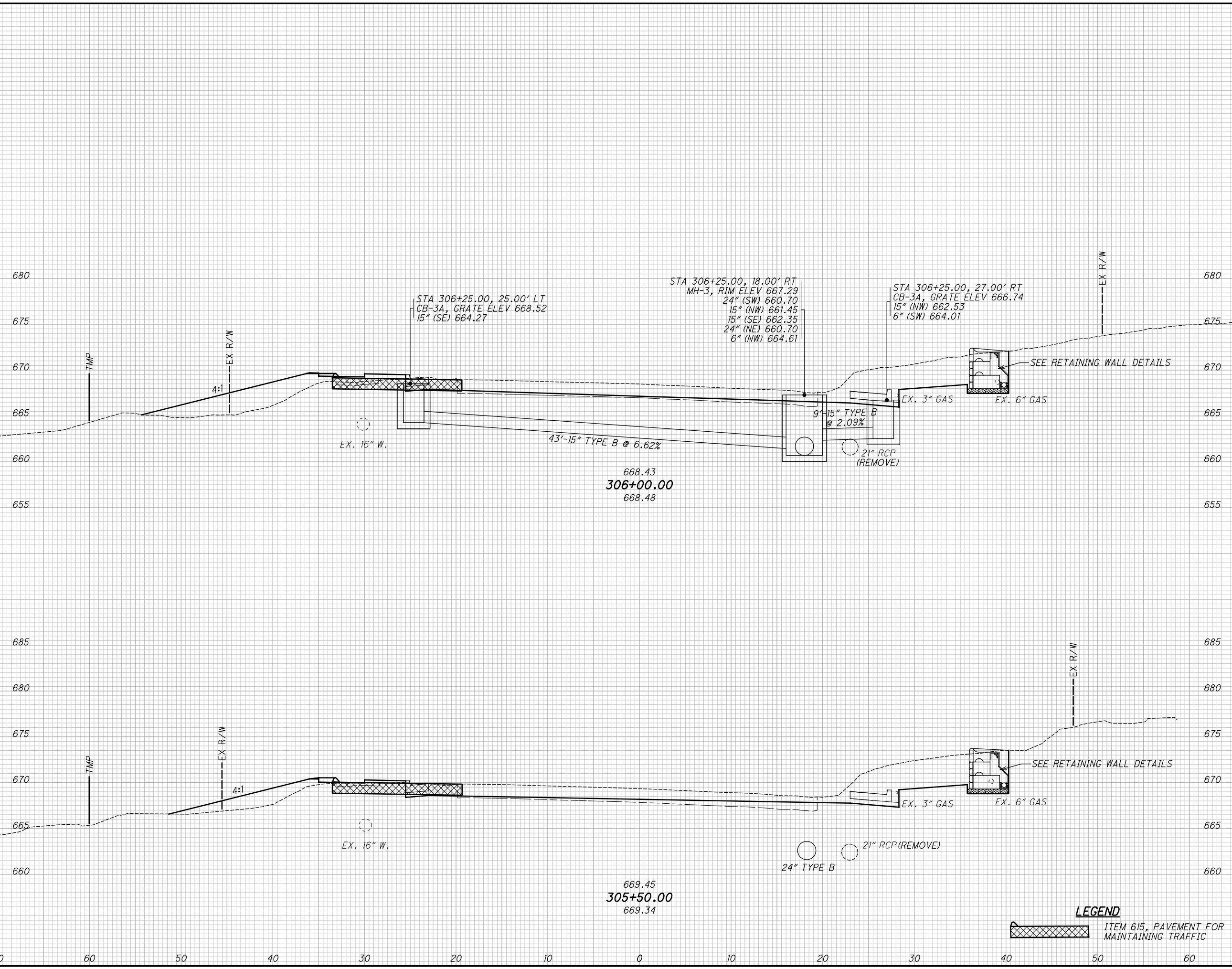
LAK-US-20-19.59  
PART 1

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

624  
1253

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SEEDING	
END WIDTH	SO. YDS.
55	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0
10	10
20	20
30	30
40	40
50	50
60	60



END AREA		VOLUME	
CUT	FILL	CUT	FILL
75	41	139	56
75	19	96	53
		235	109

**CROSS SECTIONS U.S. 20**  
**STA. 305+50.00 TO STA. 306+00.00**

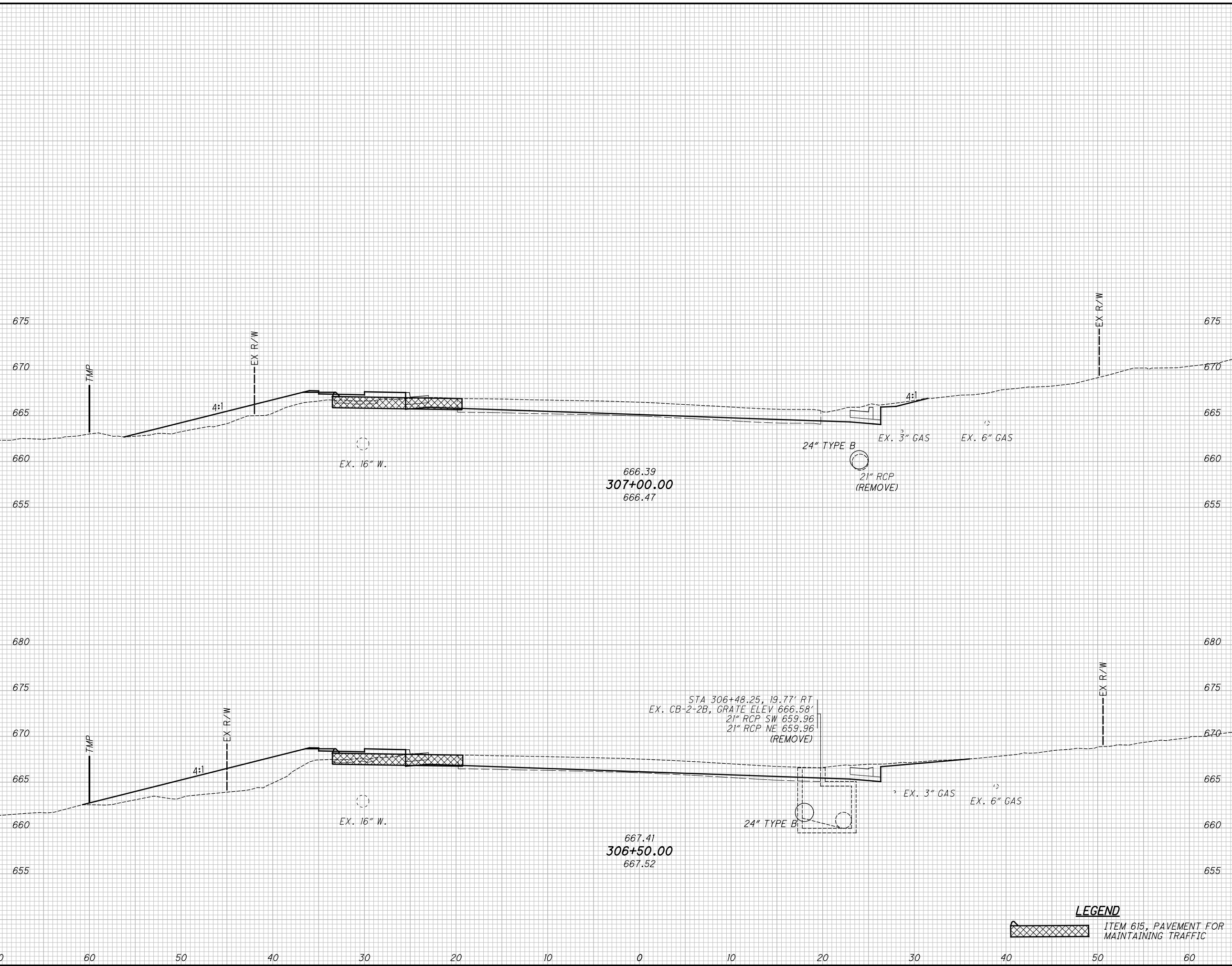
**LAK-US-20-19.59**  
**PART 1**

625  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET temporary\_model\_name\_122 7/15/2022 3:20:42 PM Troyer

SEEDING	
END WIDTH	SO. YDS.
54	300
54	289
58970	



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
18	29	33	77		
18	54	86	88		
		119	165		

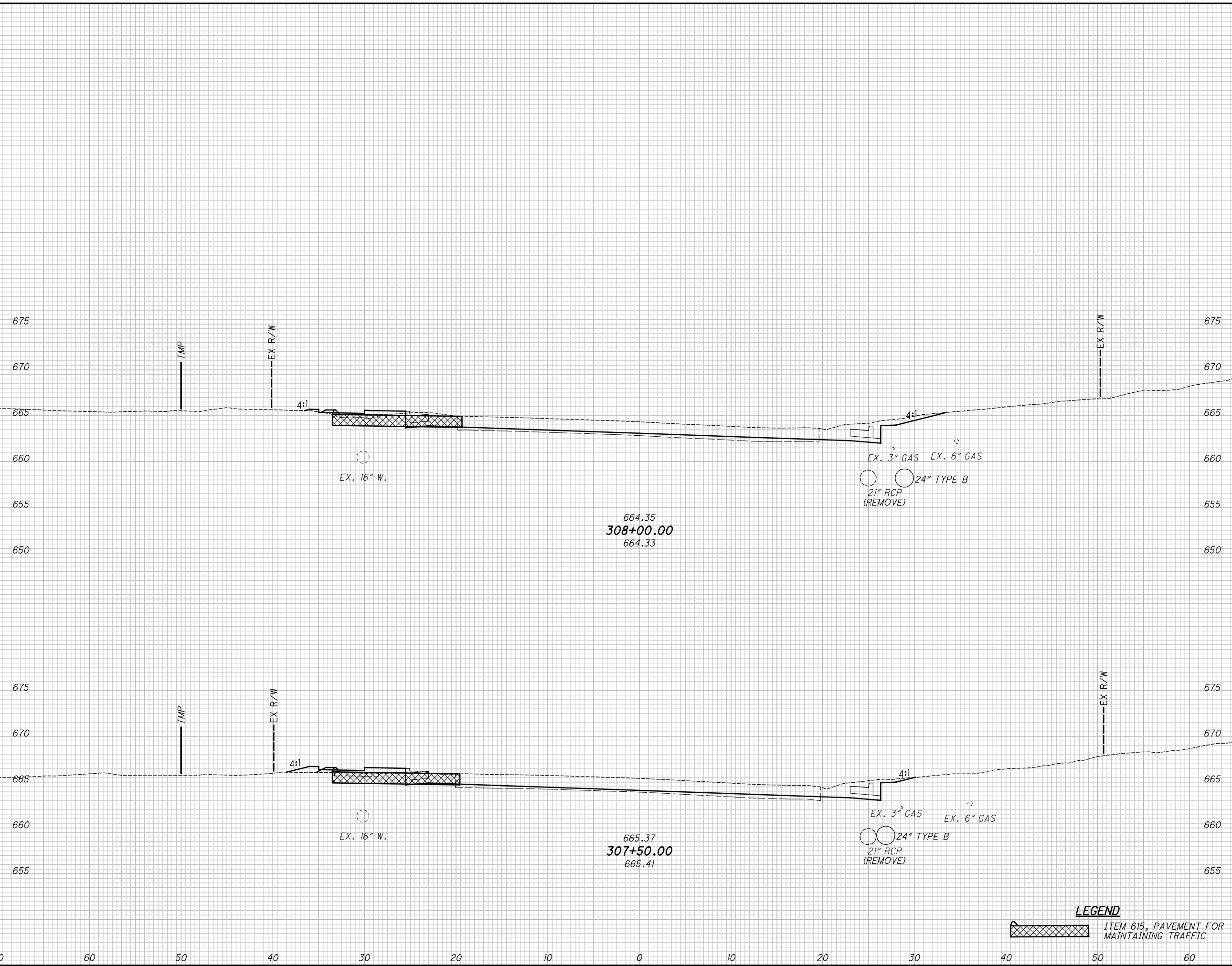
**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 306+50.00 TO STA. 307+00.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

626  
1253

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SEEDING	
END WIDTH	SO. YDS.
514	70
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
23	3				
		38	8		
18	6				
		33	32		
		71	40		

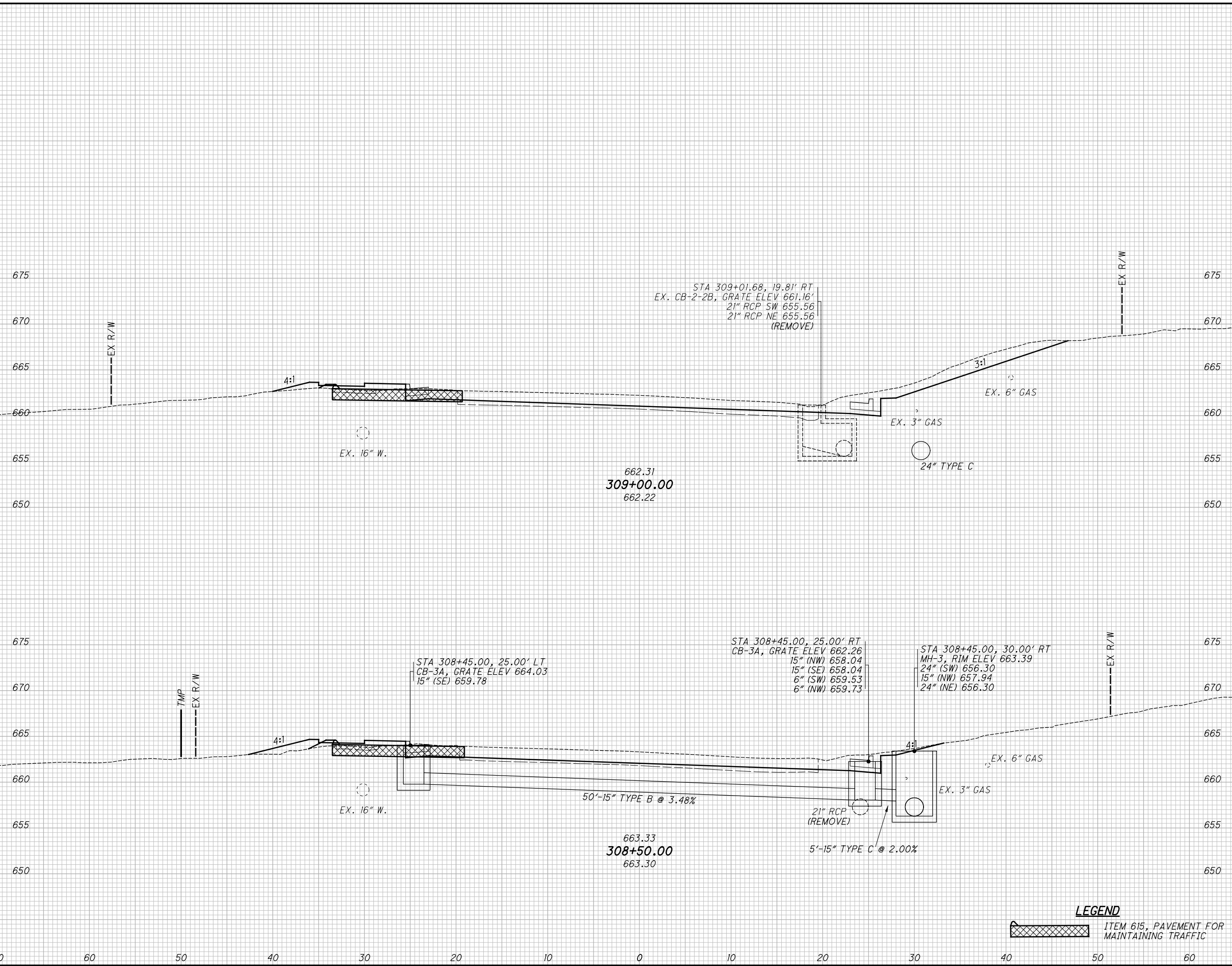
**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 307+50.00 TO STA. 308+00.00**

627  
1253

H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_124 7/15/2022 3:20:14 PM Troyer

SEEDING	
END WIDTH	SO. YDS.
54	
272	
44	
242	
514	70



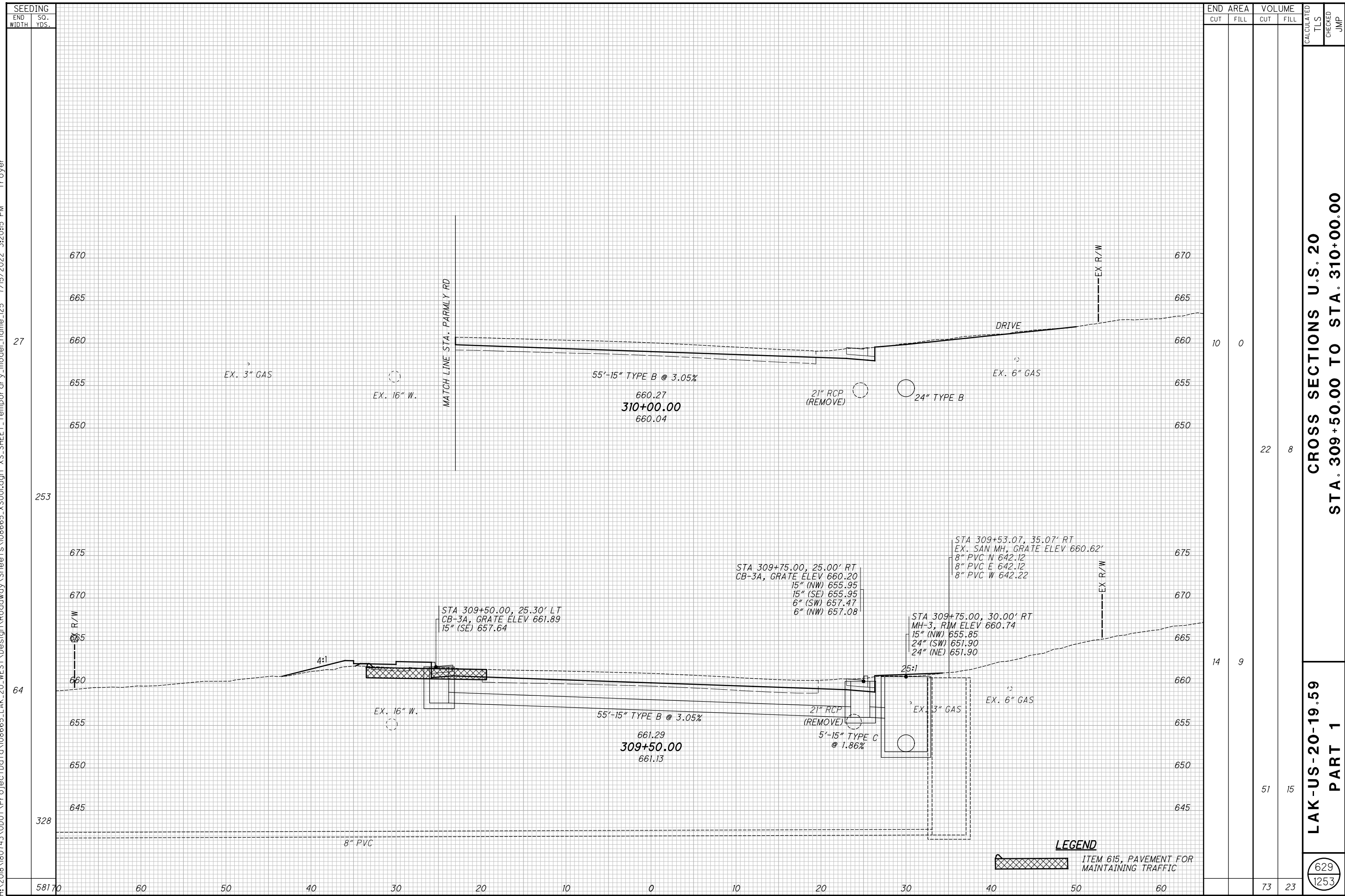
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
41	7	56	15		
20	9	40	11		
		96	26		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 308+50.00 TO STA. 309+00.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

628  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_125 7/15/2022 3:20:15 PM Troyer



SEEDING	
END WIDTH	SO. YDS.
64	27
328	253
581	70

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
10	0	22	8		
14	9	51	15		
		73	23		

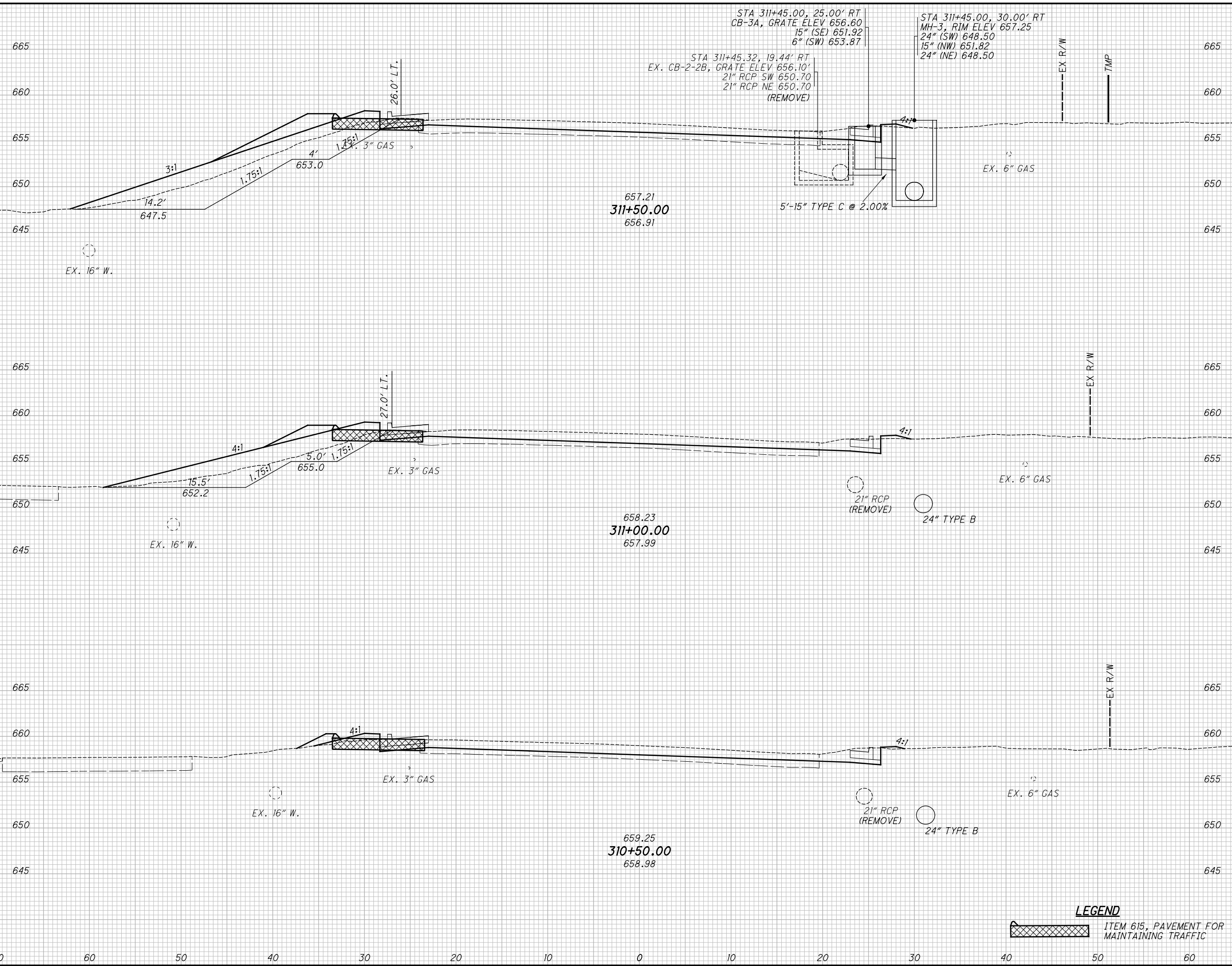
**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 309+50.00 TO STA. 310+00.00**

629  
1253



H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\Temporary\_model\_name\_126 7/15/2022 3:20:16 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
75	60*	60*	83*	83*			
62	30*	30*	28*	28*			
49	0*	0*					
211			22	3			
90070			179	241			



END AREA	VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL			
60*	60*	83*	83*		
30*	30*	28*	28*		
0*	0*				
		22	3		
		179	241		

**CROSS SECTIONS U.S. 20**  
**STA. 310+50.00 TO STA. 311+50.00**  
**LAK-US-20-19.59**  
**PART 1**  
630  
1253



SEEDING  
 END SO.  
 WIDTH YDS.  
 78  
 403  
 67  
 375  
 68  
 397  
 117570

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
85*	85*				
12	37				
		159*	159*		
		22	102		
87*	87*				
12	73				
		152*	152*		
		21	108		
77*	77*				
11	44				
		127*	127*		
		21	83		
		502	731		

CROSS SECTIONS U.S. 20  
 STA. 312+00.00 TO STA. 313+00.00

LAK-US-20-19.59  
 PART 1

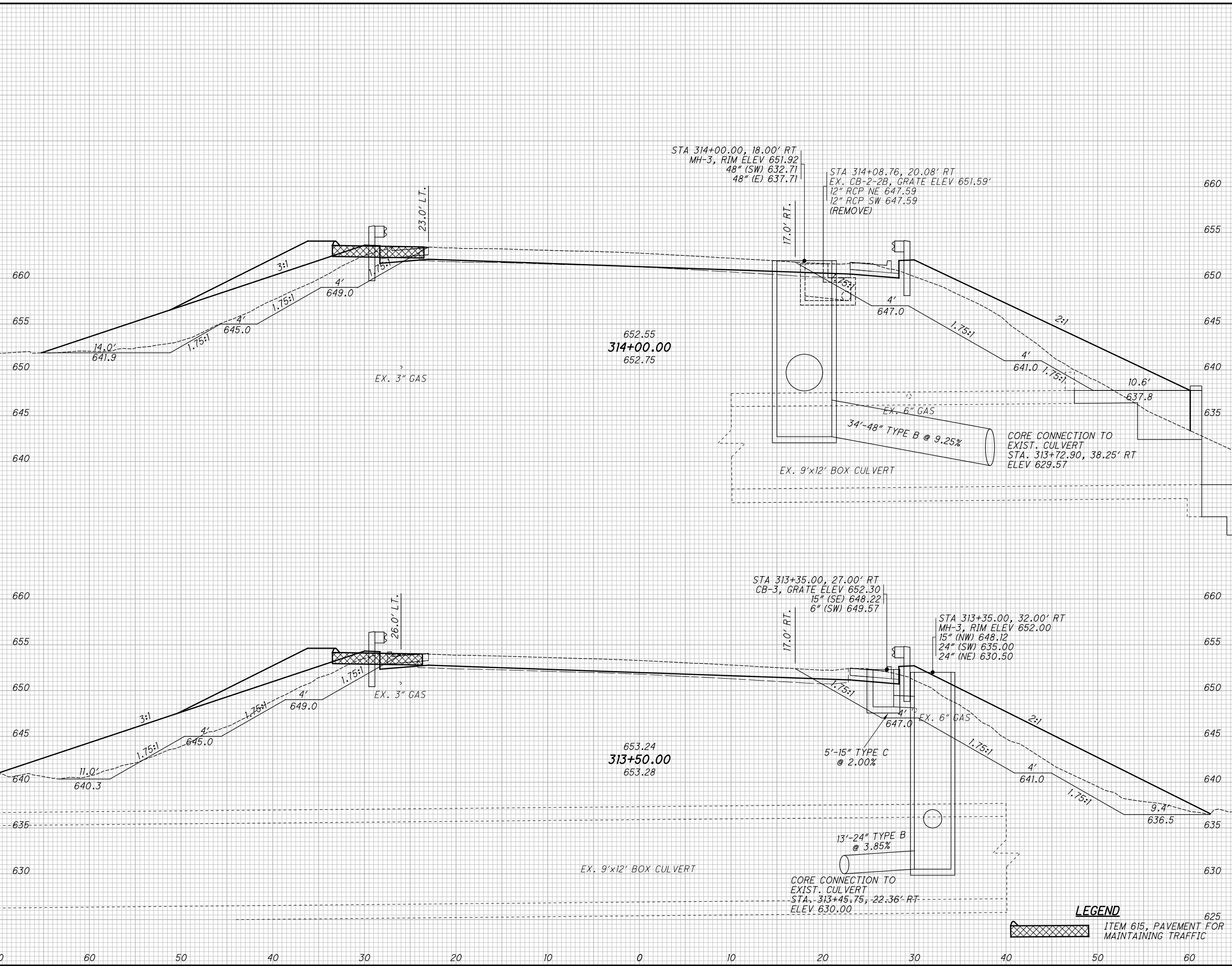
631  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR  
 MAINTAINING TRAFFIC

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_127 7/15/2022 3:20:17 PM Troyer

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_128 7/15/2022 3:20:18 PM Troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	END WIDTH	SO. YDS.	CUT	FILL			
			142*	142*			
			13	179			
			262*	262*			
			24	331			
			141*	141*			
			13	179			
			209*	209*			
			23	200			
			518	1002			



END AREA	VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL			
142*	142*				
13	179				
262*	262*				
24	331				
141*	141*				
13	179				
209*	209*				
23	200				
518	1002				

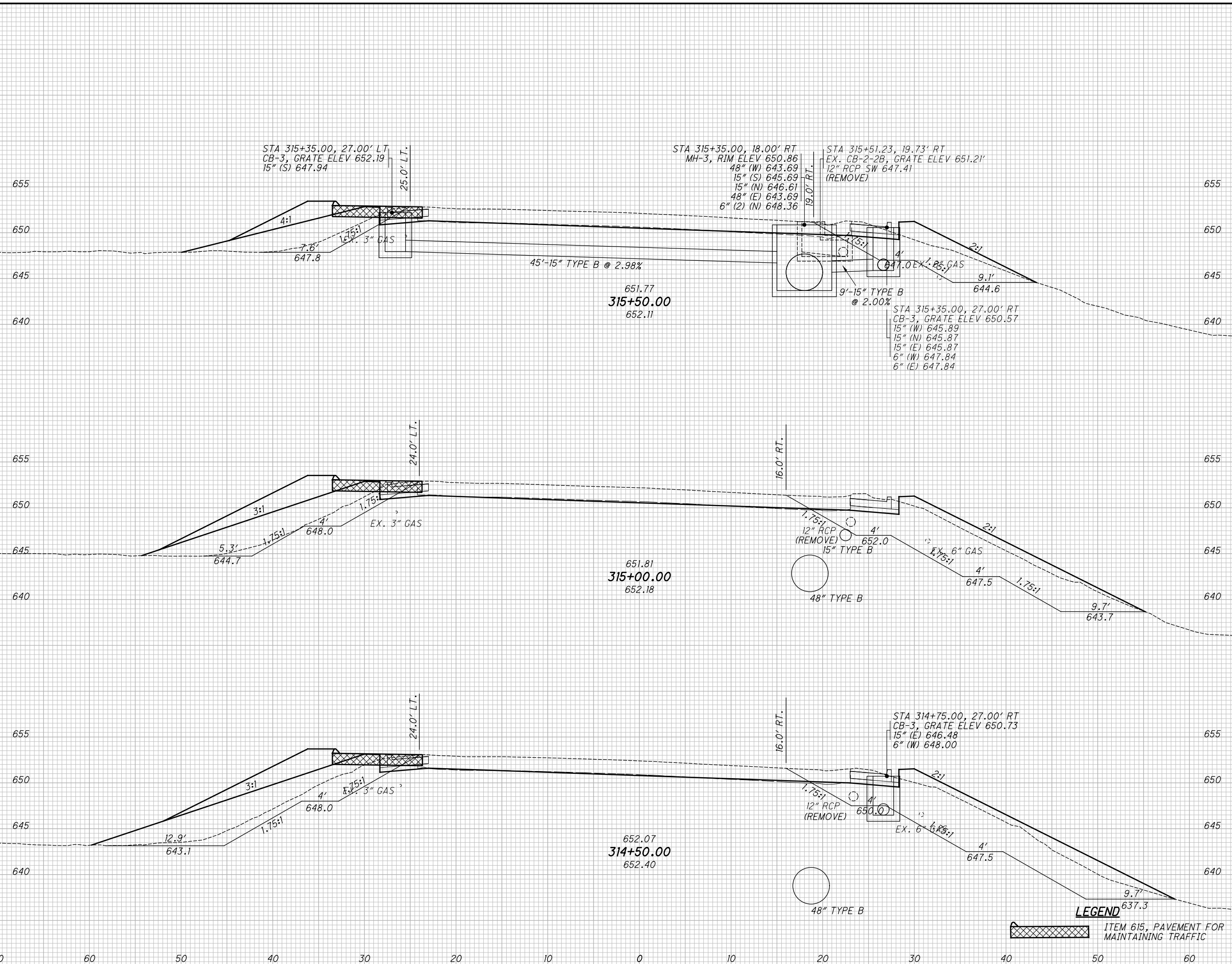
**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 313+50.00 TO STA. 314+00.00**  
**PART 1**

632  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_129 7/15/2022 3:20:20 PM troyer

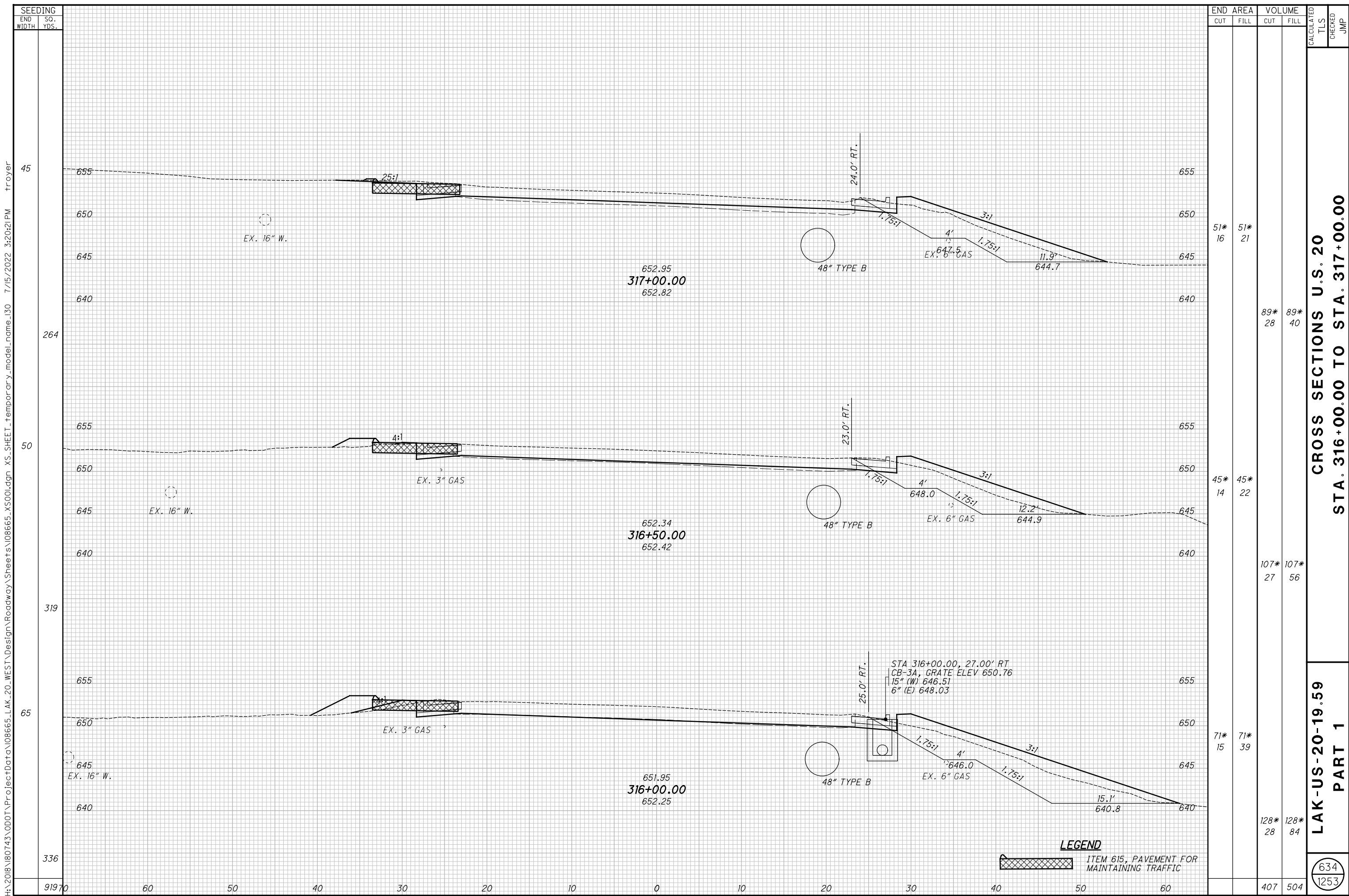
SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	END WIDTH	SO. YDS.	CUT	FILL			
			67*	67*			
			147*	147*			
			167*	167*			
			286*	286*			
	127470		863	1310			



END AREA	VOLUME	CALCULATED	CHECKED	JMP
67*	67*			
147*	147*			
167*	167*			
286*	286*			
863	1310			

**CROSS SECTIONS U.S. 20**  
**STA. 314+50.00 TO STA. 315+50.00**  
**LAK-US-20-19.59**  
**PART 1**

633  
1253



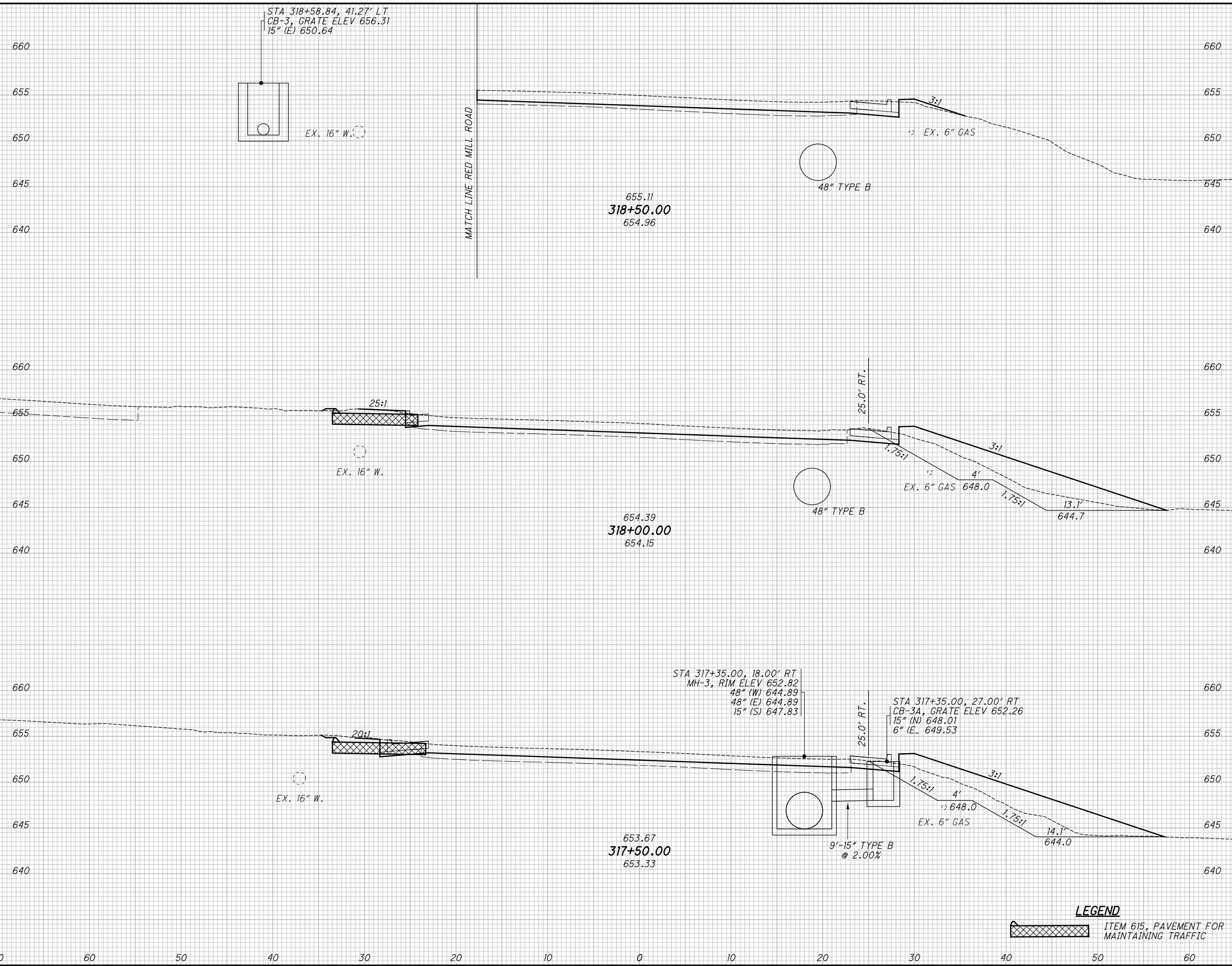
**CROSS SECTIONS U.S. 20**  
**STA. 316+00.00 TO STA. 317+00.00**

**LAK-US-20-19.59**  
**PART 1**

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_130 7/15/2022 3:20:21PM Troyer

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_131 7/15/2022 3:20:22 PM troyer

SEEDING	
END WIDTH	SO. YDS.
9	164
50	278
50	264
706	70



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	TLS	JMP
0*	0*	38*	38*		
7	2	15	46		
41*	41*	75*	75*		
9	48	19	93		
40*	40*	84*	84*		
12	52	26	68		
		163	384		

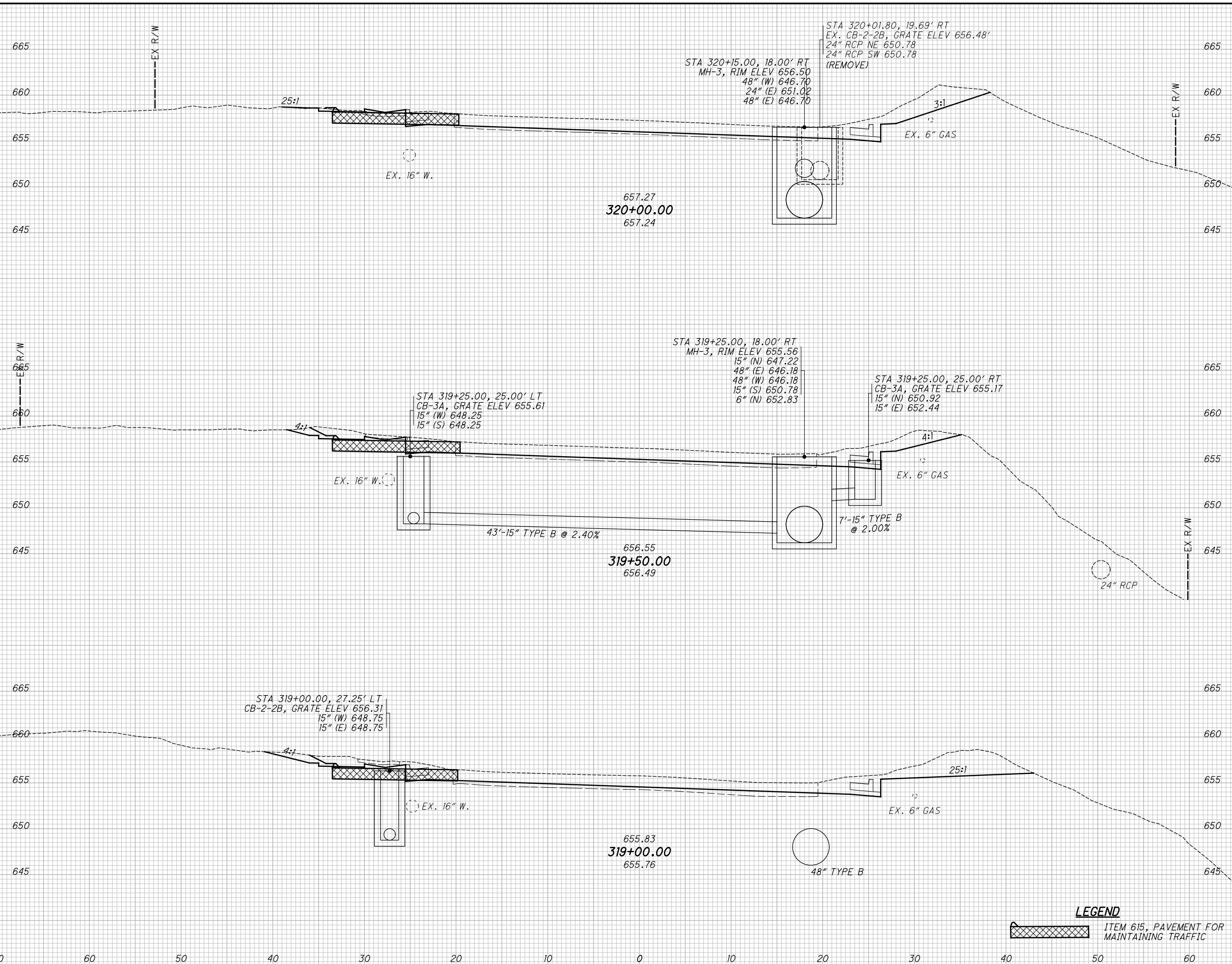
**CROSS SECTIONS U.S. 20**  
**STA. 317+50.00 TO STA. 318+50.00**  
**LAK-US-20-19.59**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

635  
1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_132 7/15/2022 3:20:24 PM troyer

SEEDING	
END WIDTH	SO. YDS.
761	70
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	



END AREA	VOLUME	CALCULATED	CHECKED	JMP
41	1			
	75	1		
40	0			
	93	0		
60	0			
	62	2		
	176	3		

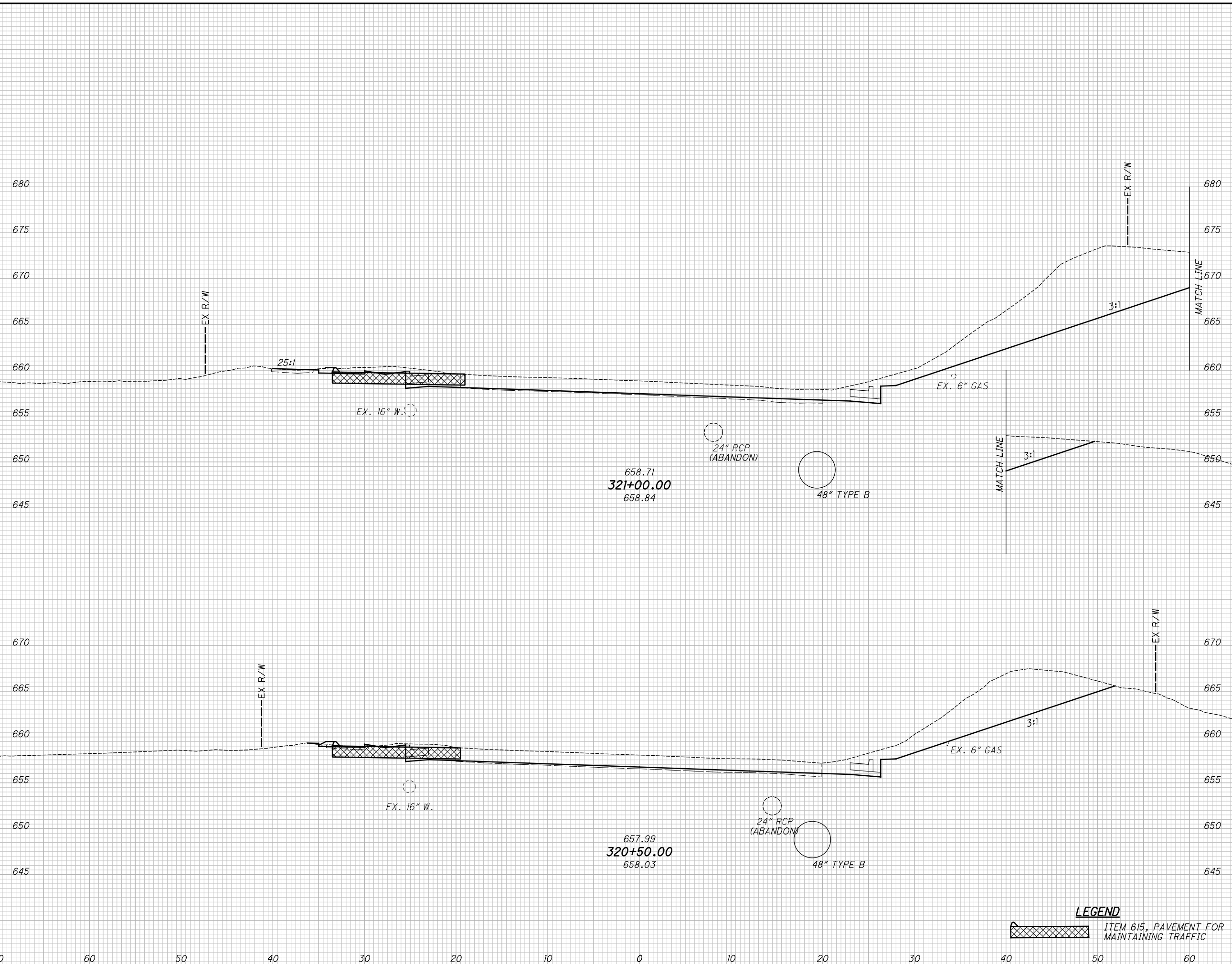
**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**PART 1**  
**STA. 319+00.00 TO STA. 320+00.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

636  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_133 7/15/2022 3:20:25 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
END WIDTH	179	0	262	0		
SO. YDS.	69	308	42	275		
	58370	60	50	40	30	20
		10	0	10	20	30
		40	50	60		
		134	1			
		396	1			



**CROSS SECTIONS U.S. 20  
 STA. 320+50.00 TO STA. 321+00.00**

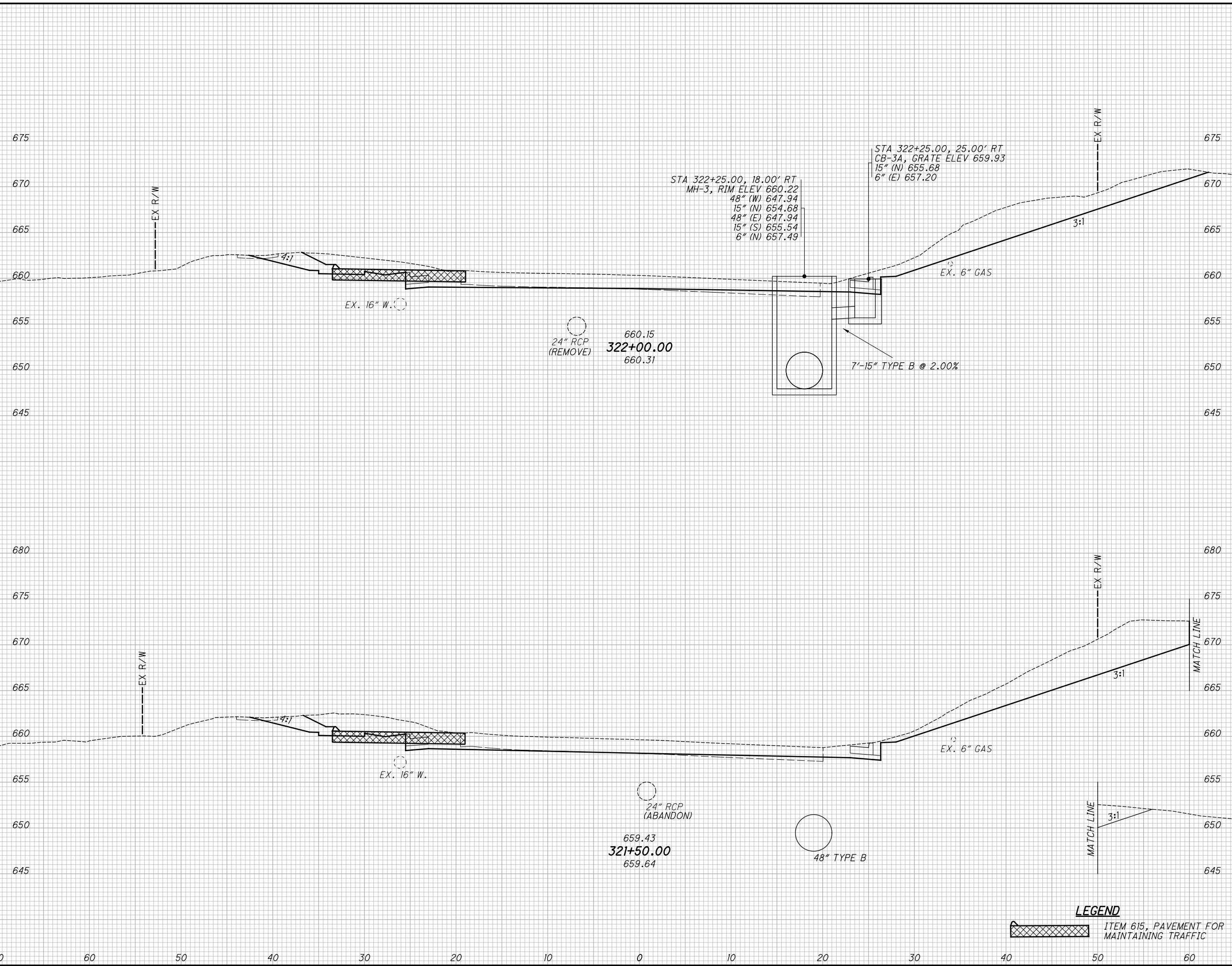
**LAK-US-20-19.59  
 PART 1**

637  
 1253



H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_134 7/15/2022 3:20:26 PM troyer

SEEDING	
END WIDTH	SO. YDS.
75	70
60	70
50	70
40	70
30	70
20	70
10	70
0	70
10	70
20	70
30	70
40	70
50	70
60	70
75	70



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
128	0	249	0		
141	0	296	0		
		545	0		

**CROSS SECTIONS U.S. 20**  
**STA. 321+50.00 TO STA. 322+00.00**

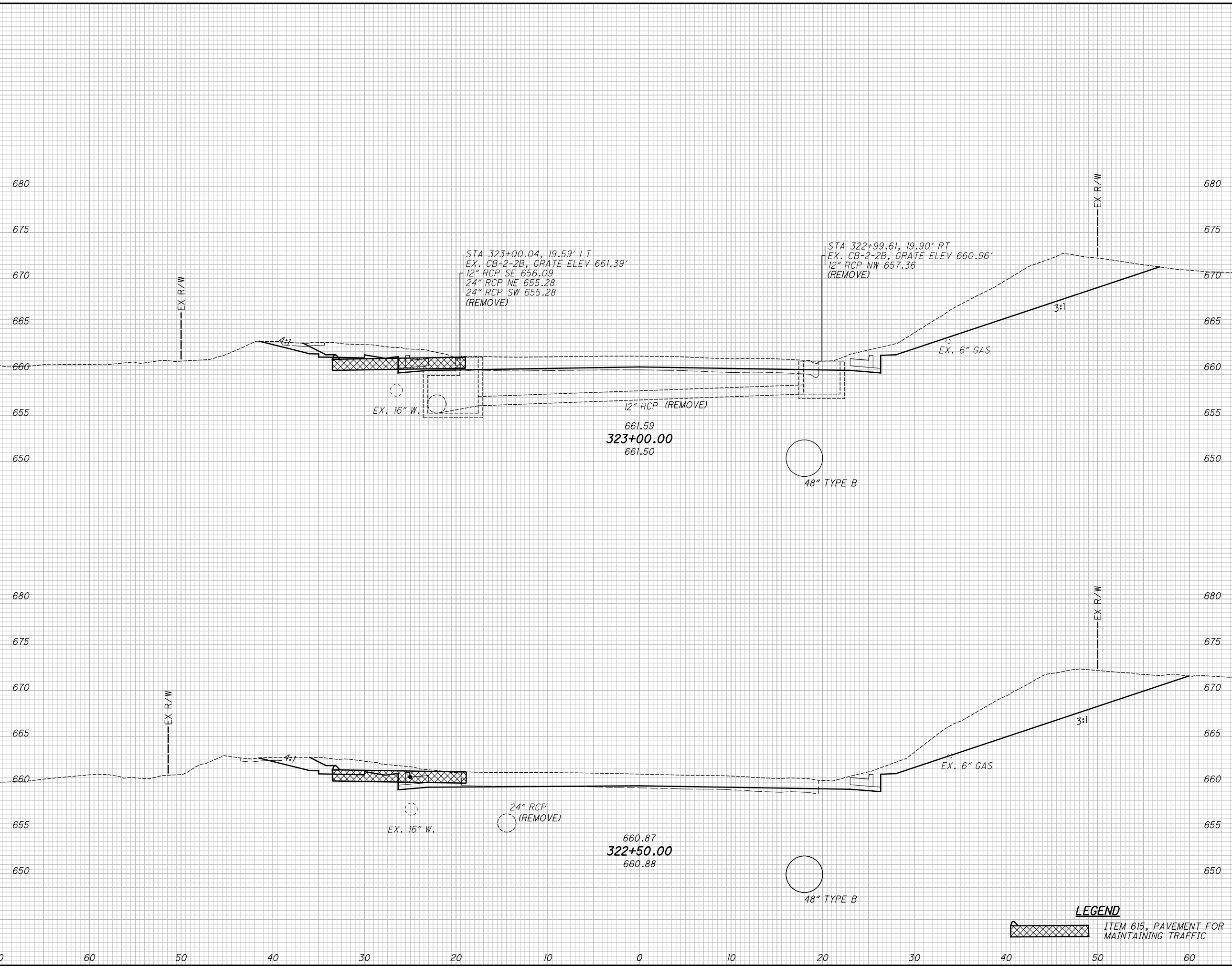
**LAK-US-20-19.59**  
**PART 1**

638  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_135 7/15/2022 3:20:27 PM troyer

SEEDING	
END WIDTH	SO. YDS.
54	
322	
62	
347	
66970	



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
133	0	260	0		
148	0	256	0		
		516	0		

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

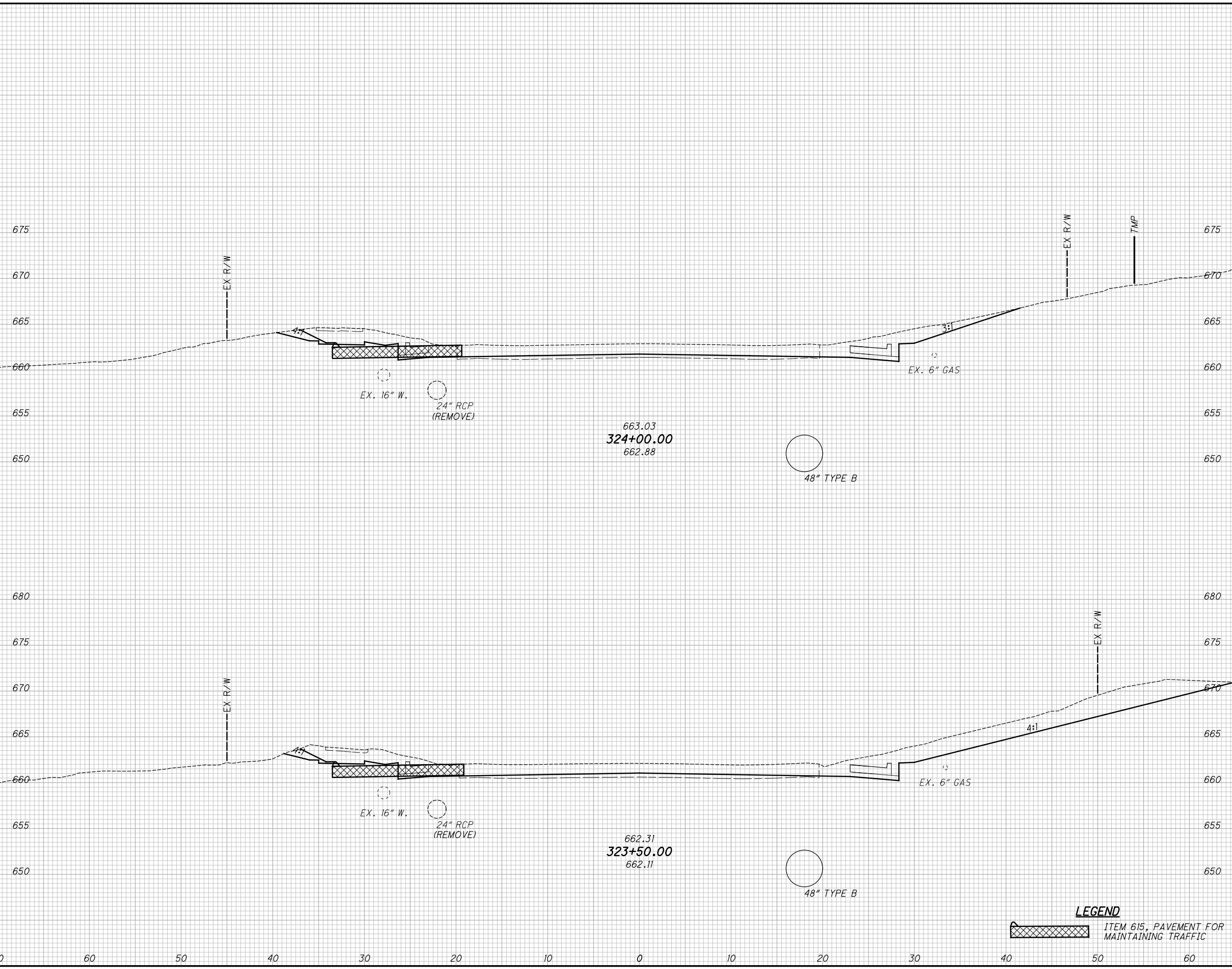
**CROSS SECTIONS U.S. 20  
 STA. 322+50.00 TO STA. 323+00.00**

**LAK-US-20-19.59  
 PART 1**

639  
 1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_136 7/15/2022 3:20:28 PM troyer

SEEDING	
END WIDTH	SO. YDS.
42	
267	
54	
300	
5670	



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
58	0	157	0		
112	0	227	0		
		384	0		

**CROSS SECTIONS U.S. 20  
STA. 323+50.00 TO STA. 324+00.00**

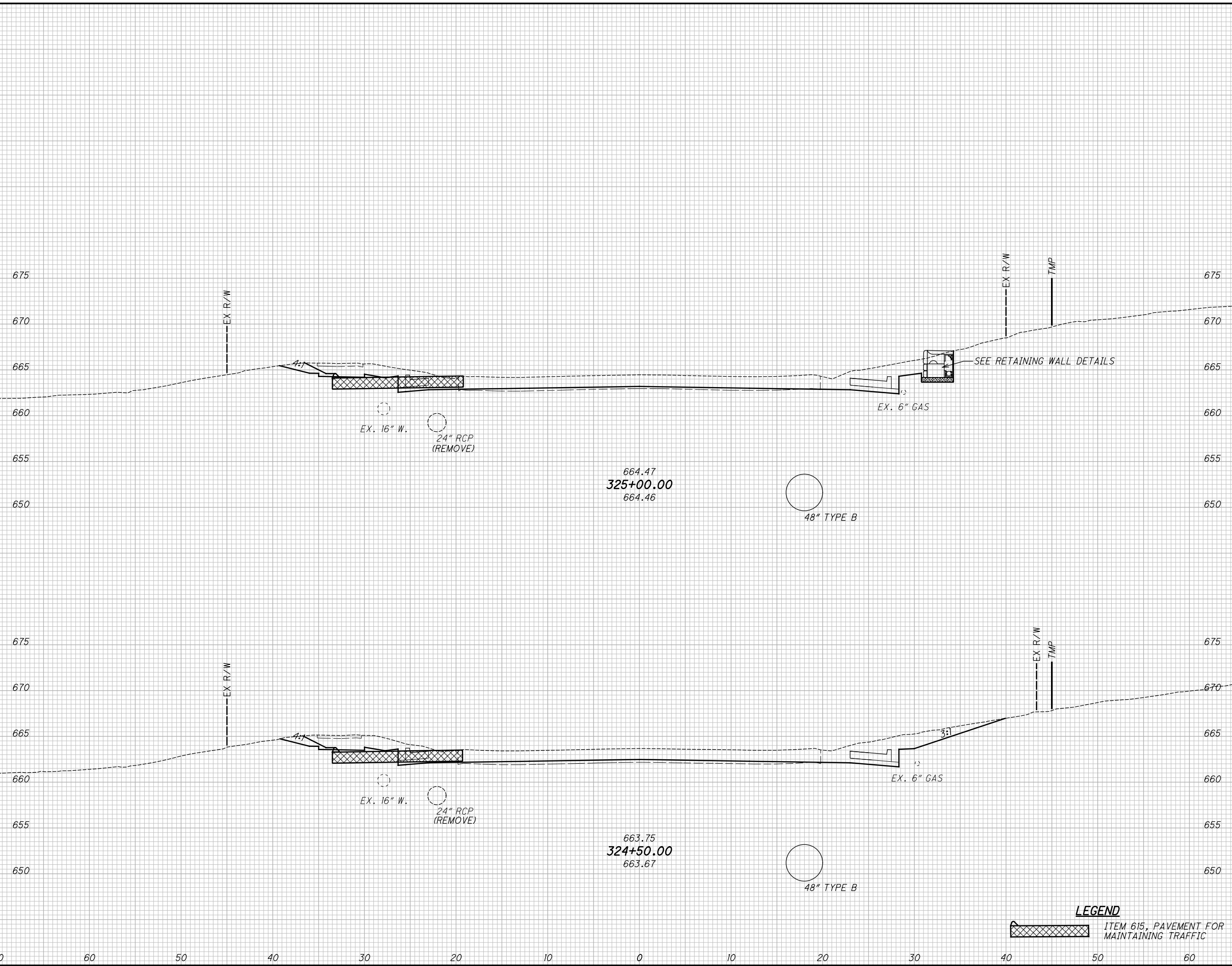
**LAK-US-20-19.59  
PART 1**

640  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_137 7/15/2022 3:20:29 PM troyer

SEEDING	
END WIDTH	SO. YDS.
38370	30
60	175
50	33
208	208



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
60	0	108	0		
57	0	106	0		
		214	0		

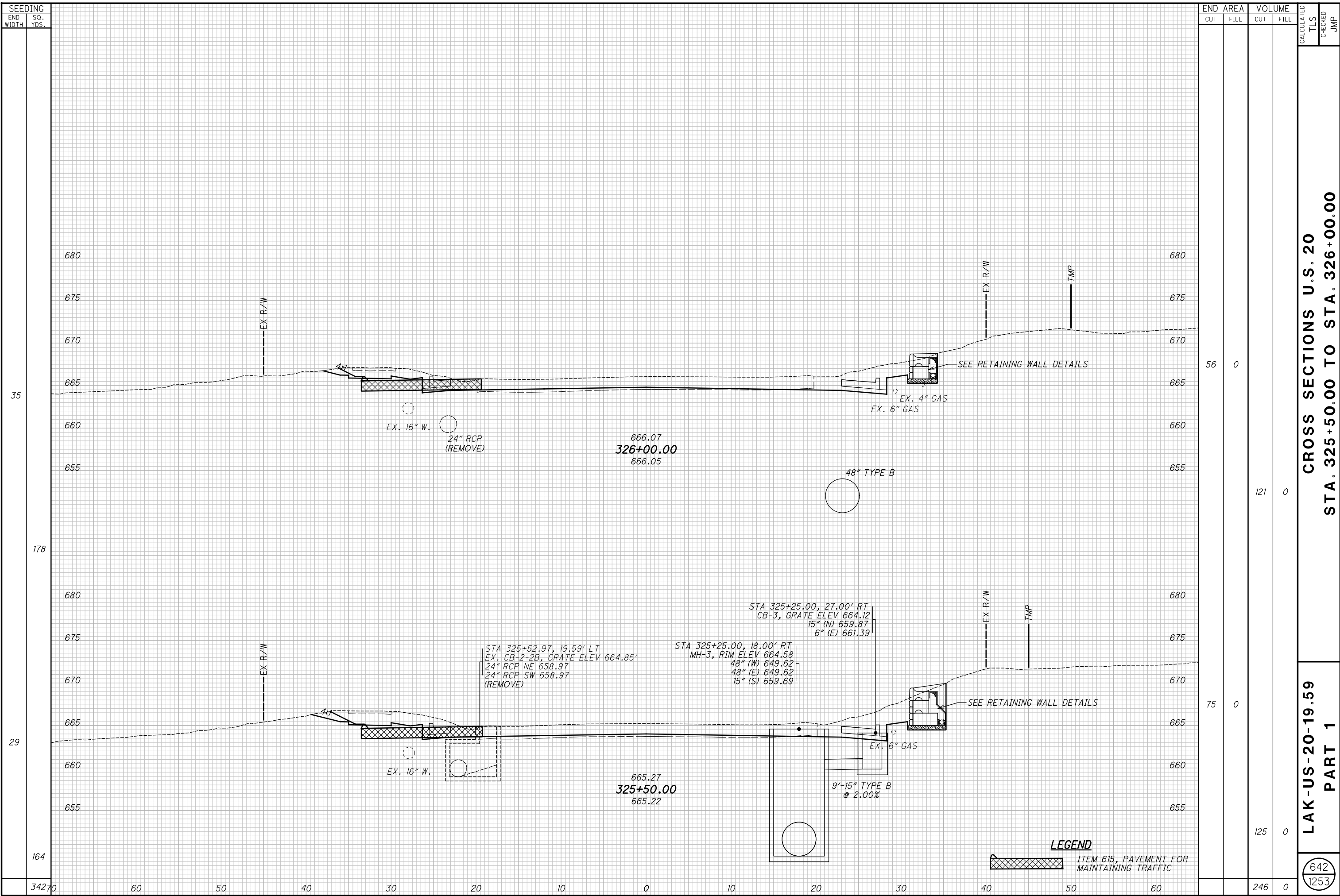
**CROSS SECTIONS U.S. 20  
STA. 324+50.00 TO STA. 325+00.00**

**LAK-US-20-19.59  
PART 1**

(641)  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_138 7/15/2022 3:20:30 PM troyer



SEEDING	
END WIDTH	SO. YDS.
34270	35
60	178
50	29
40	164
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	

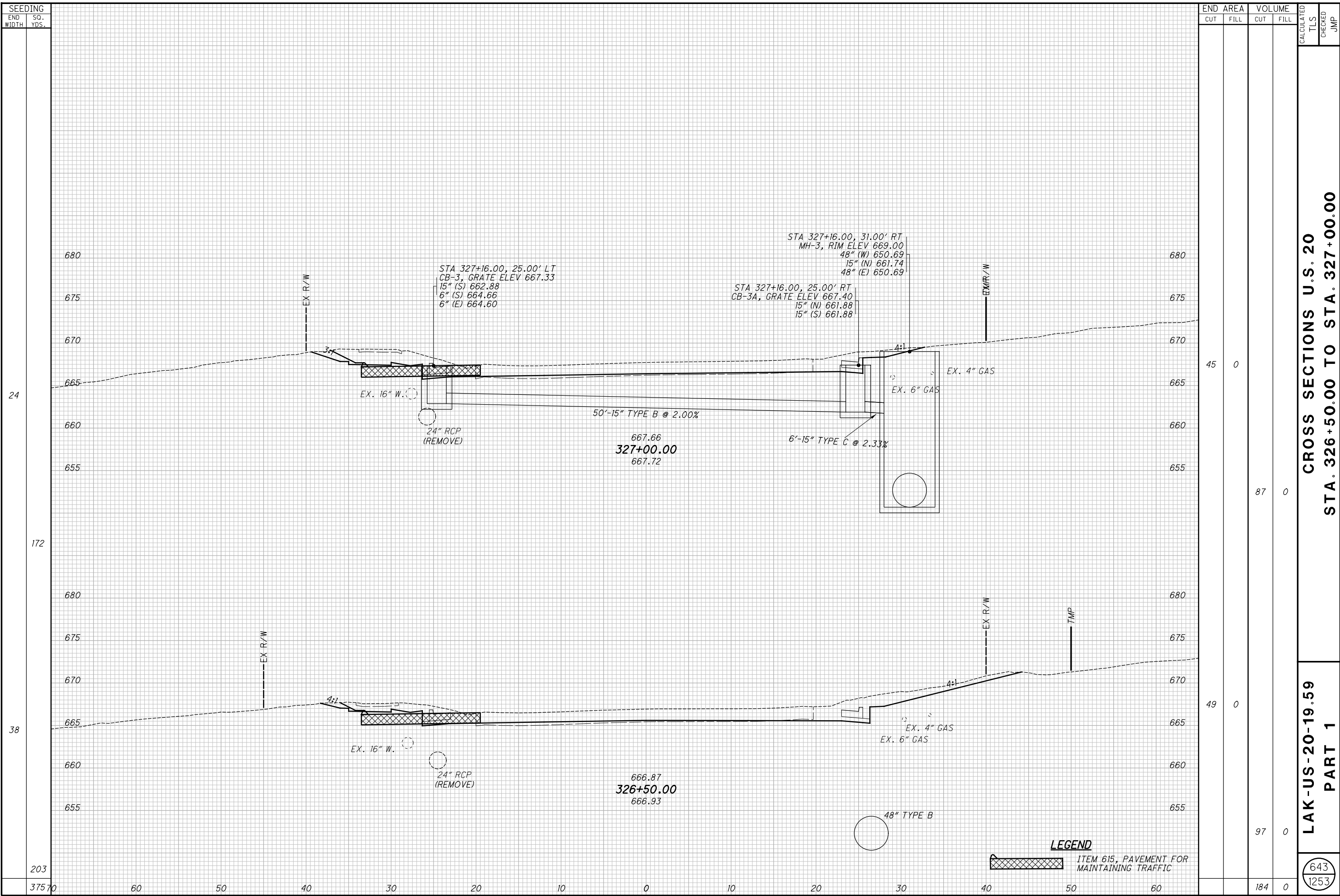
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
56	0	121	0		
75	0	125	0		
		246	0		

**CROSS SECTIONS U.S. 20  
STA. 325+50.00 TO STA. 326+00.00**

**LAK-US-20-19.59  
PART 1**

642  
1253

H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_139 7/15/2022 3:20:31 PM Troyer



SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	TLS	JMP	TLS	JMP
24	172	45	0	87	0				
38	172	49	0	97	0				
203	375			184	0				

CROSS SECTIONS U.S. 20  
STA. 326+50.00 TO STA. 327+00.00

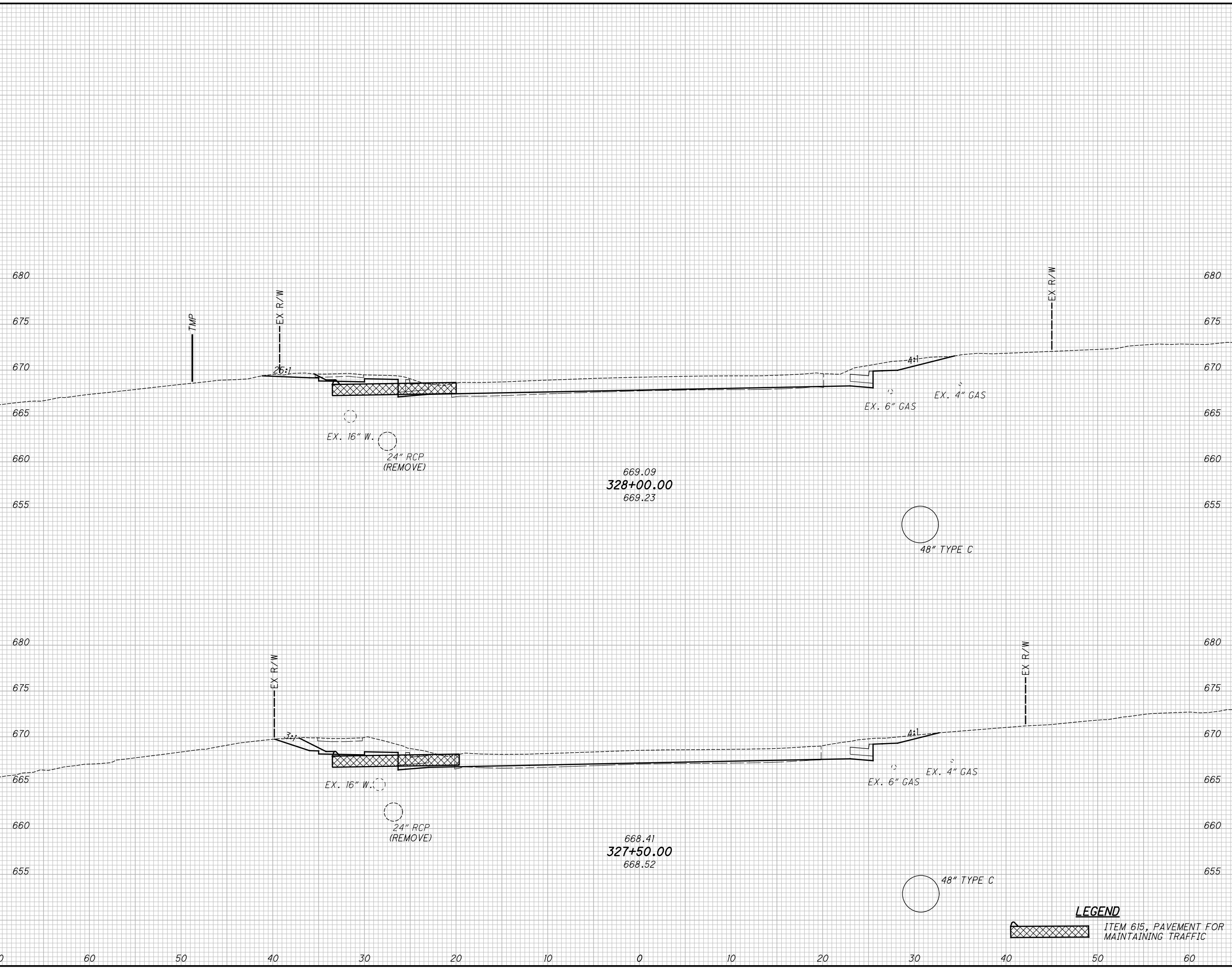
LAK-US-20-19.59  
PART 1

643  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_140 7/15/2022 3:20:32 PM Troyer

SEEDING	
END WIDTH	SO. YDS.
317	70
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
31	0	69	0
43	0	81	0
		150	0

**CROSS SECTIONS U.S. 20**  
**STA. 327+50.00 TO STA. 328+00.00**

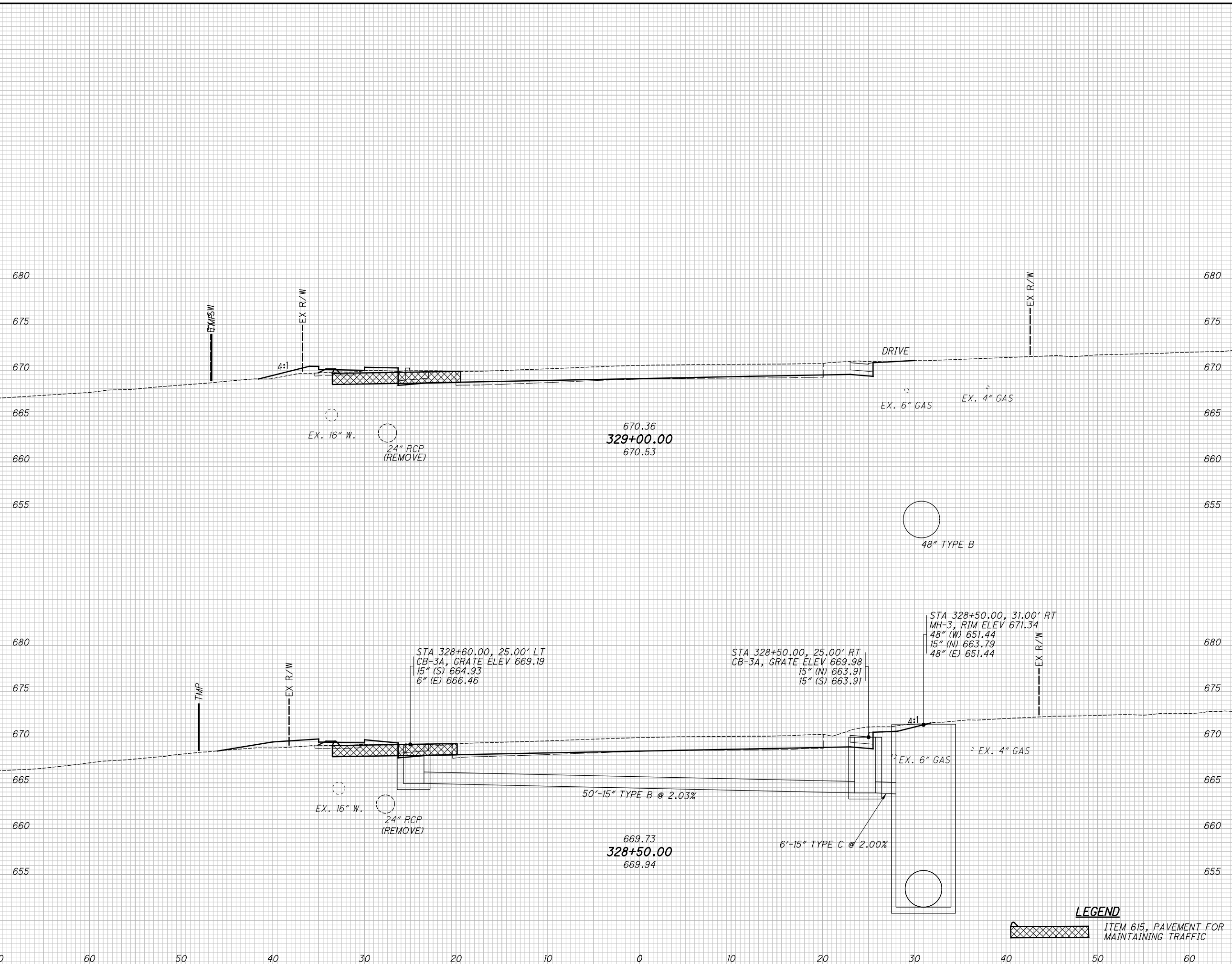
**LAK-US-20-19.59**  
**PART 1**

644  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_141 7/15/2022 3:20:33 PM troyer

SEEDING	
END WIDTH	SO. YDS.
38470	203
60	35
50	181
40	30



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
17	5	34	12		
20	8	47	7		
		81	19		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 328+50.00 TO STA. 329+00.00**

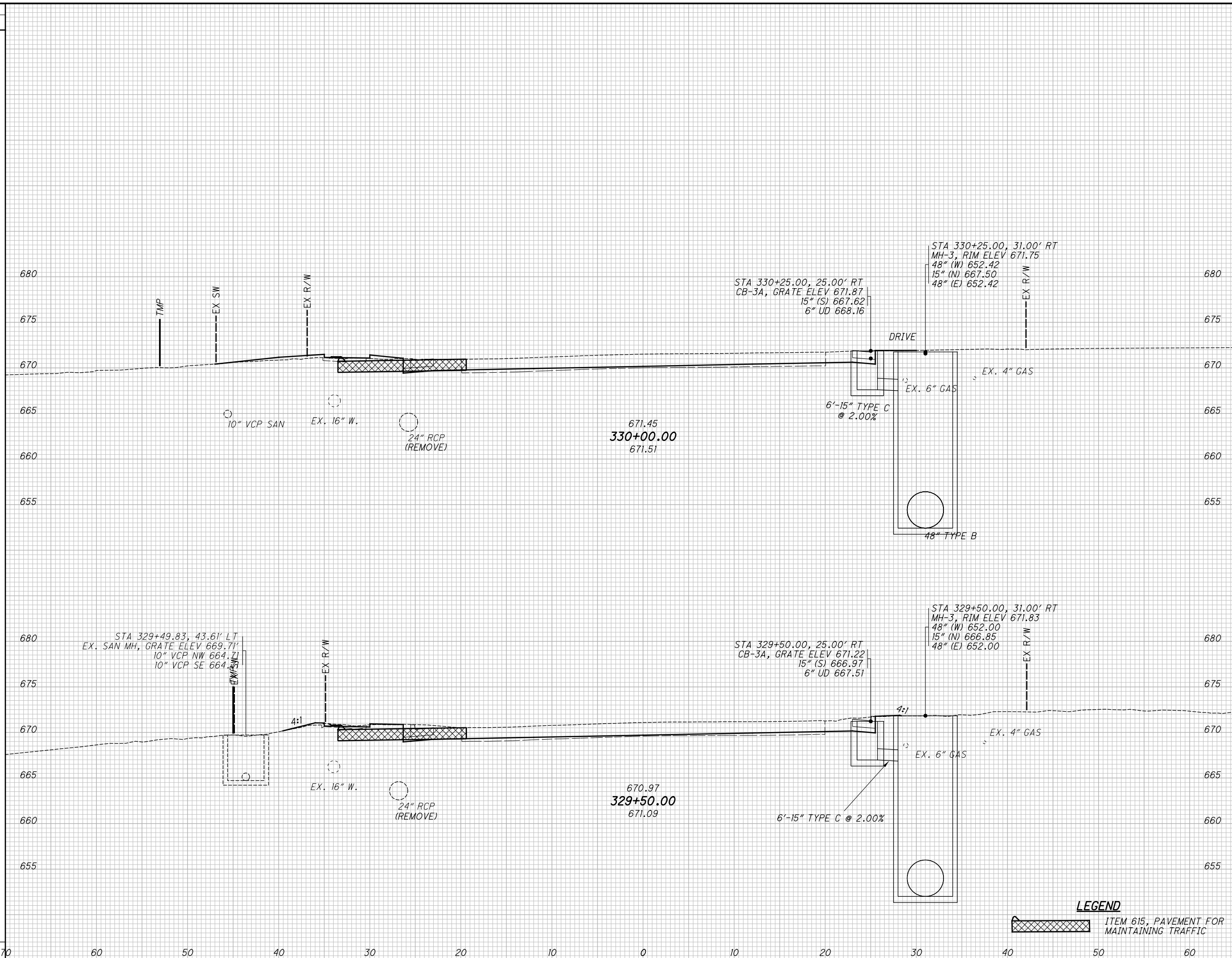
**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

645  
1253



H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_142 7/15/2022 3:20:34 PM troyer

SEEDING	
END WIDTH	SO. YDS.
38	
192	
31	
169	
361	70



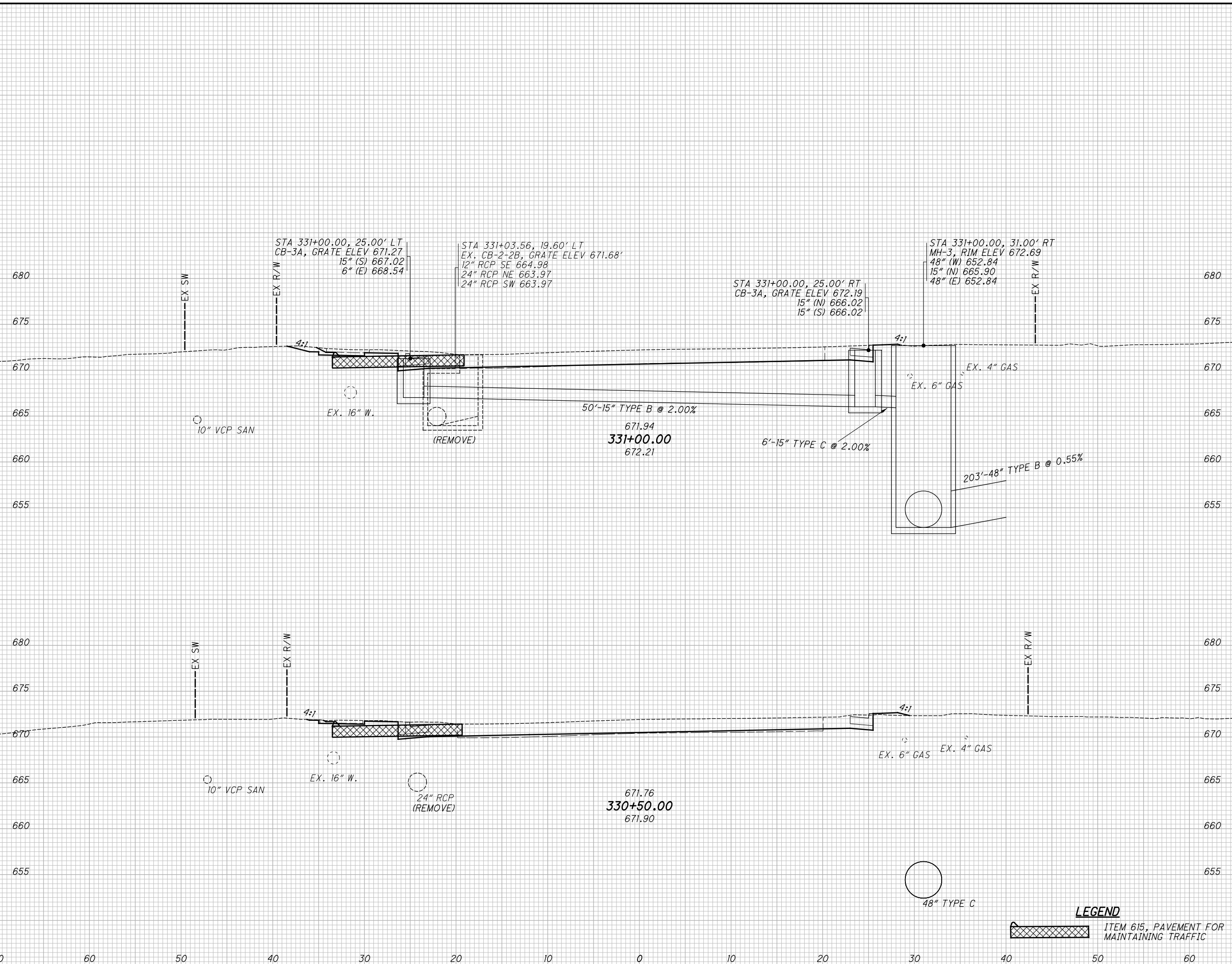
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
15	4	31	5		
19	1	33	6		
		64	11		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 329+50.00 TO STA. 330+00.00**

646  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_143 7/15/2022 3:20:35 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
END WIDTH							
SO. YDS.							
40370	60	50	76	6			



END AREA	VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL			
27	0				
20	1				
32	5				
76	6				

**CROSS SECTIONS U.S. 20**  
**STA. 330+50.00 TO STA. 331+00.00**

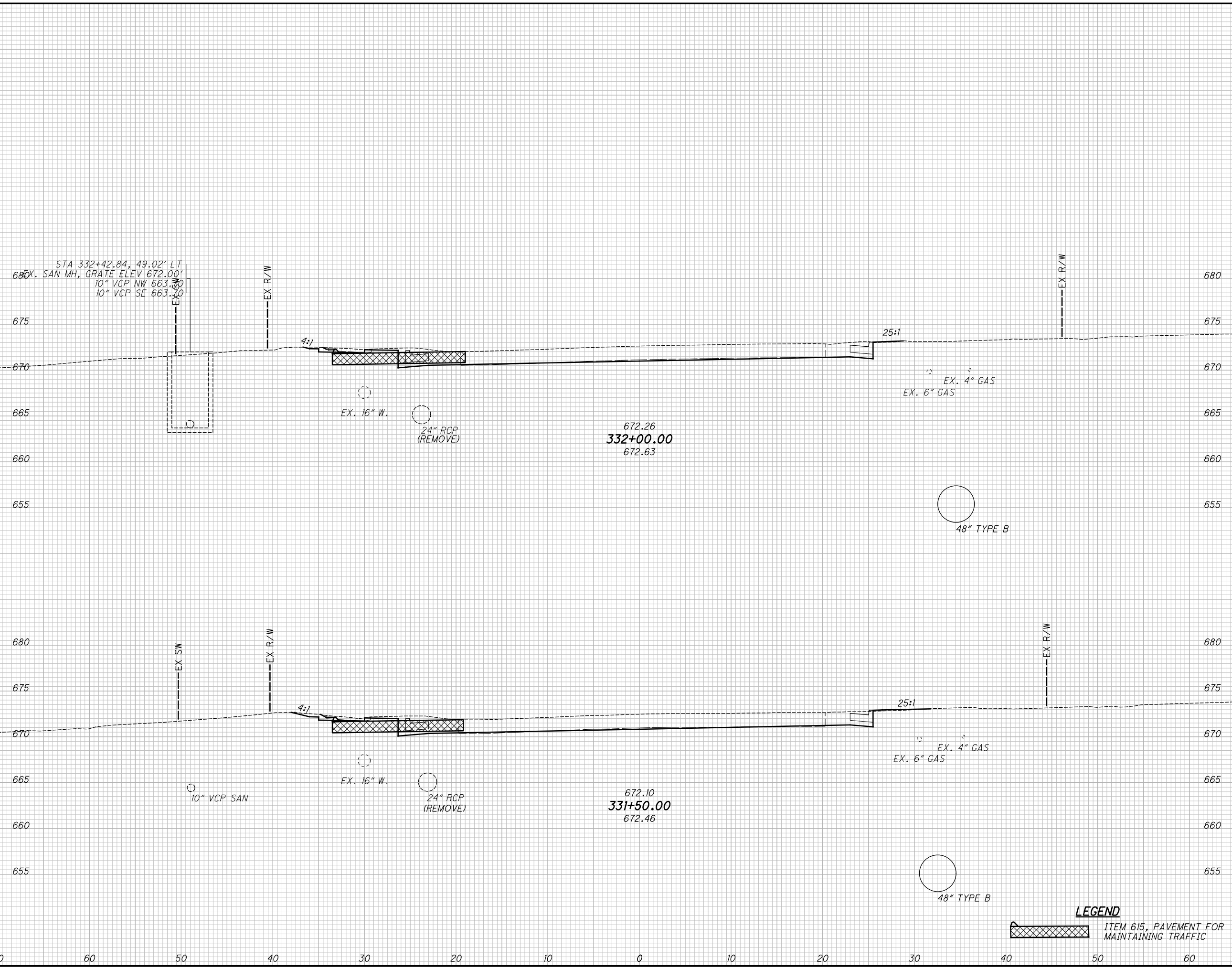
**LAK-US-20-19.59**  
**PART 1**

(647)  
 (1253)

**LEGEND**  
 [Hatched Box] ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_144 7/15/2022 3:20:36 PM troyer

SEEDING	
END WIDTH	SO. YDS.
425	70
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	



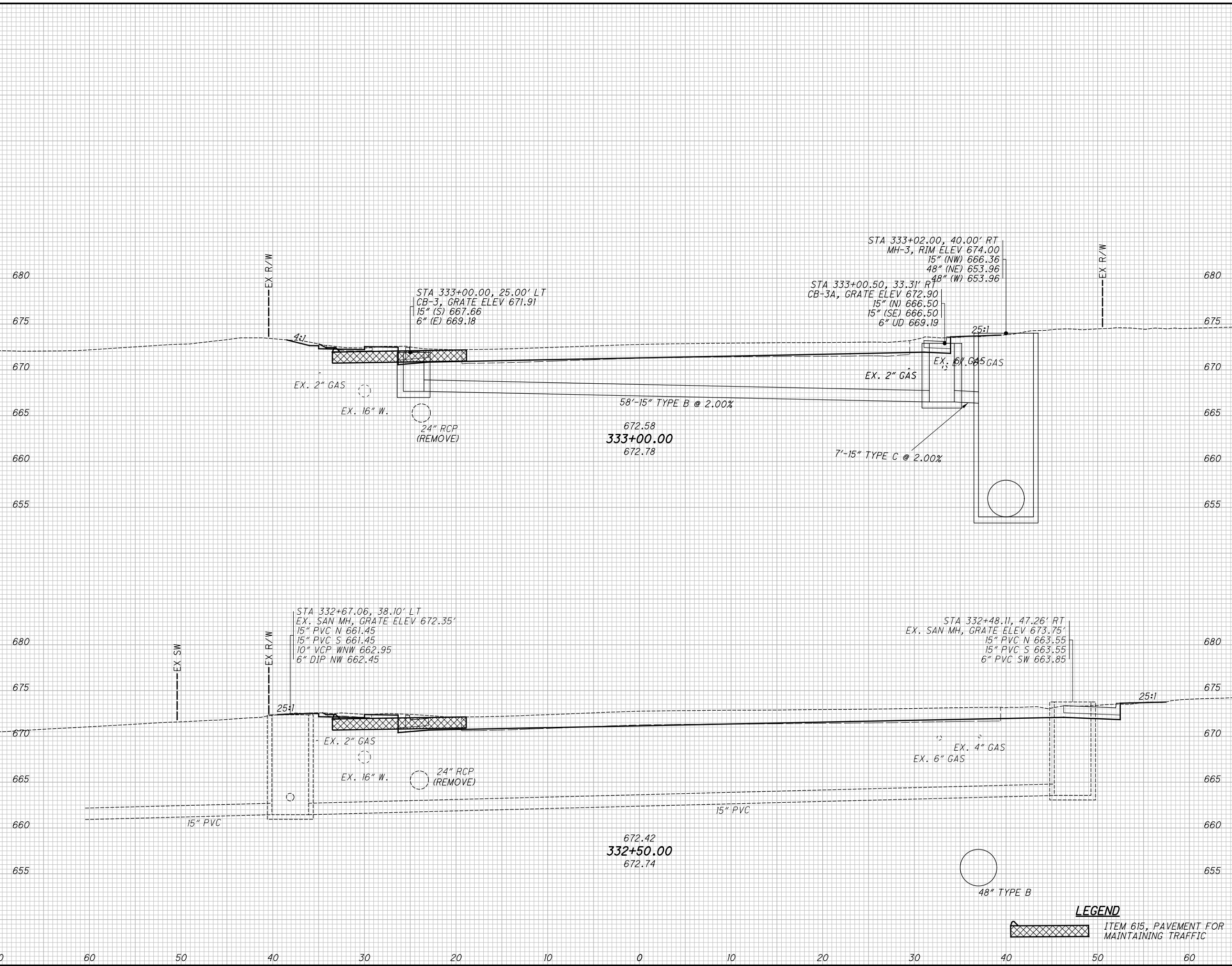
END AREA		VOLUME	
CUT	FILL	CUT	FILL
26	0	47	0
25	0	48	0
		95	0

**CROSS SECTIONS U.S. 20**  
**STA. 331+50.00 TO STA. 332+00.00**  
**LAK-US-20-19.59**  
**PART 1**  
 CALCULATED TLS  
 CHECKED JMP  
 648  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_145 7/15/2022 3:20:37 PM troyer


SEEDING	
END WIDTH	SO. YDS.
336	0
60	150
50	27
40	27
30	150
20	27
10	27
0	150
10	27
20	27
30	150
40	27
50	27
60	150
336	0




END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
20	0	48	0		
32	0	54	0		
		102	0		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 332+50.00 TO STA. 333+00.00**

**LEGEND**

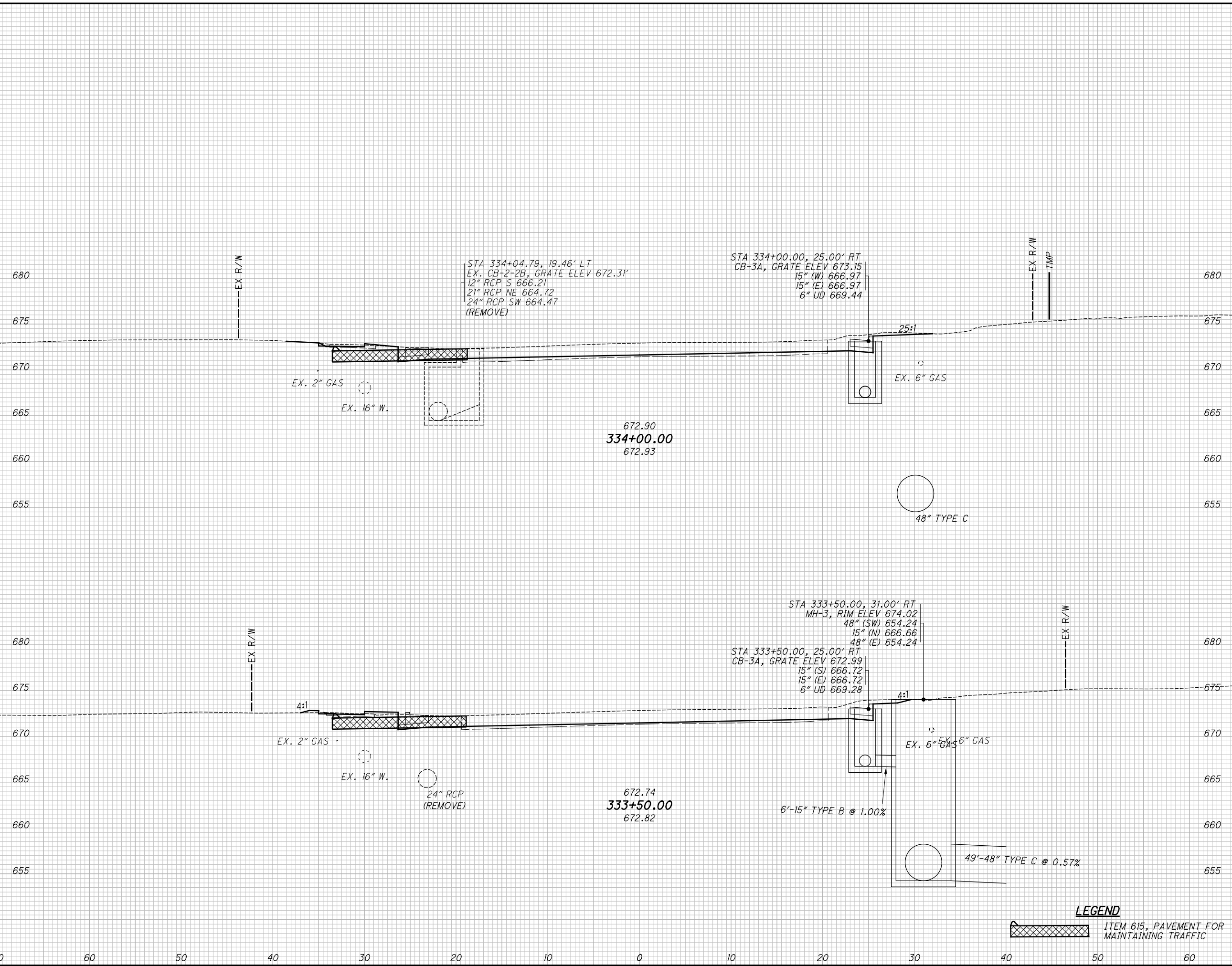
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

 48" TYPE B

649  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_146 7/15/2022 3:20:38 PM troyer

SEEDING	
END WIDTH	SO. YDS.
342	70
60	60
50	50
40	40
30	30
20	20
10	10
0	0
10	10
20	20
30	30
40	40
50	50
60	60



**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

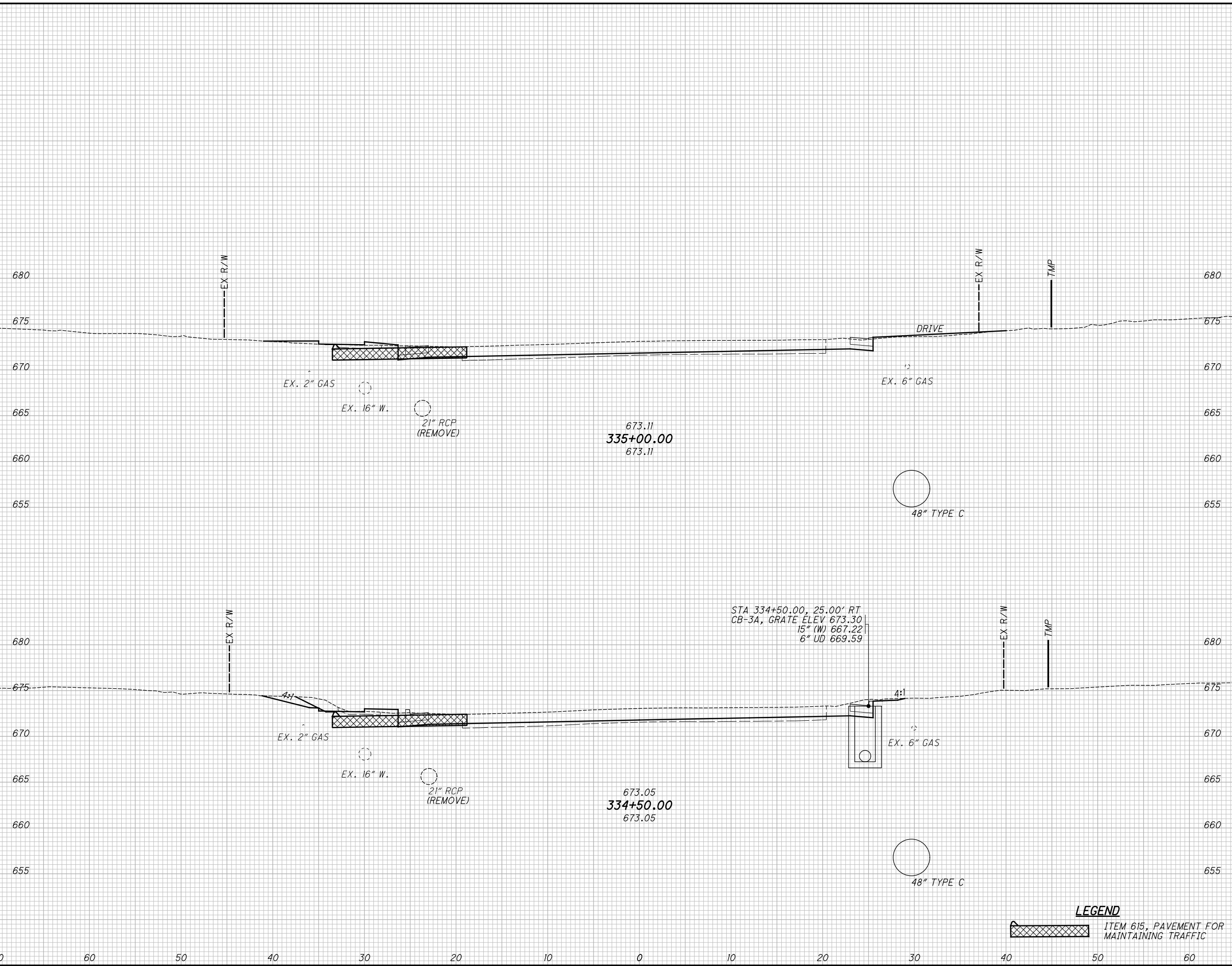
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
19	0	35	1		
19	1	36	1		
		71	2		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 333+50.00 TO STA. 334+00.00**

650  
1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_147 7/15/2022 3:20:39 PM troyer

SEEDING	
END WIDTH	SO. YDS.
34	186
33	181



END AREA		VOLUME	
CUT	FILL	CUT	FILL
15	4	35	5
23	1	39	1
		74	6

**CROSS SECTIONS U.S. 20**  
**STA. 334+50.00 TO STA. 335+00.00**

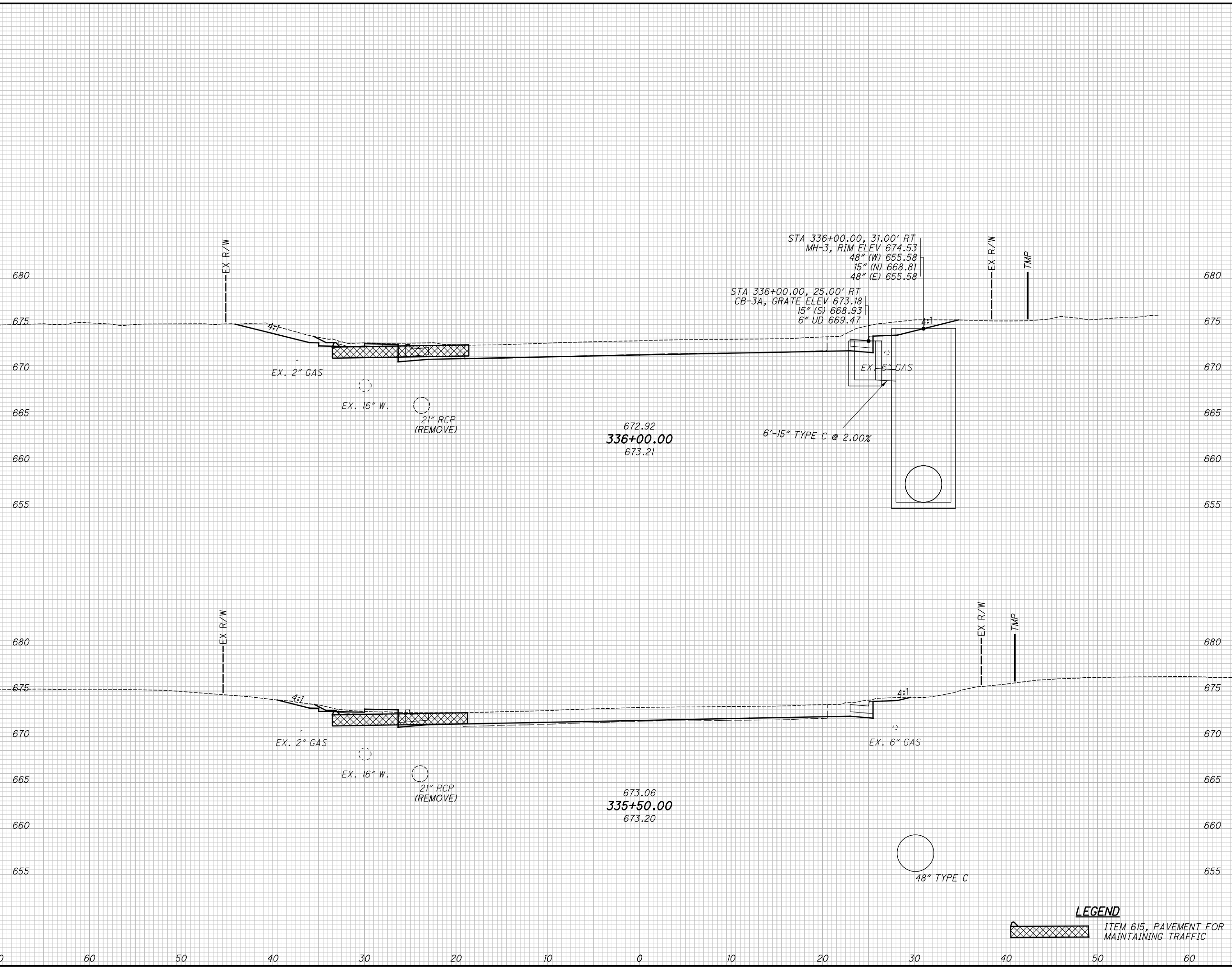
**LAK-US-20-19.59**  
**PART 1**

(651)  
 (1253)

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_148 7/15/2022 3:20:40 PM troyer

SEEDING	
END WIDTH	SO. YDS.
31	
172	
31	
181	
35370	



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
43	0	59	1		
21	1	33	5		
		92	6		

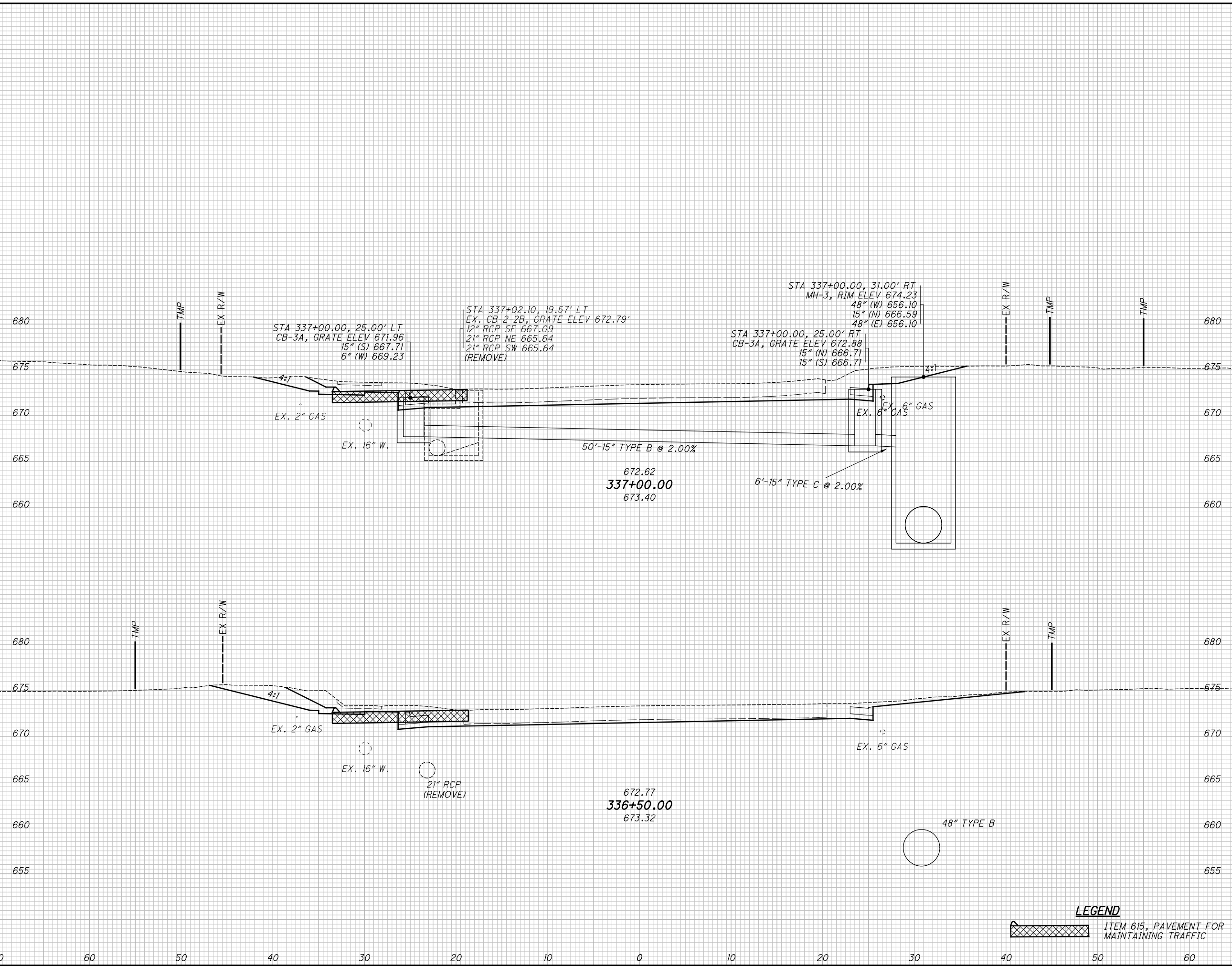
**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 335+50.00 TO STA. 336+00.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

652  
1253

H:\2018\80743\000\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET temporary\_model\_name\_149 7/15/2022 3:20:41 PM Troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
END WIDTH	466	70					
SO. YDS.	60	50	231	0			



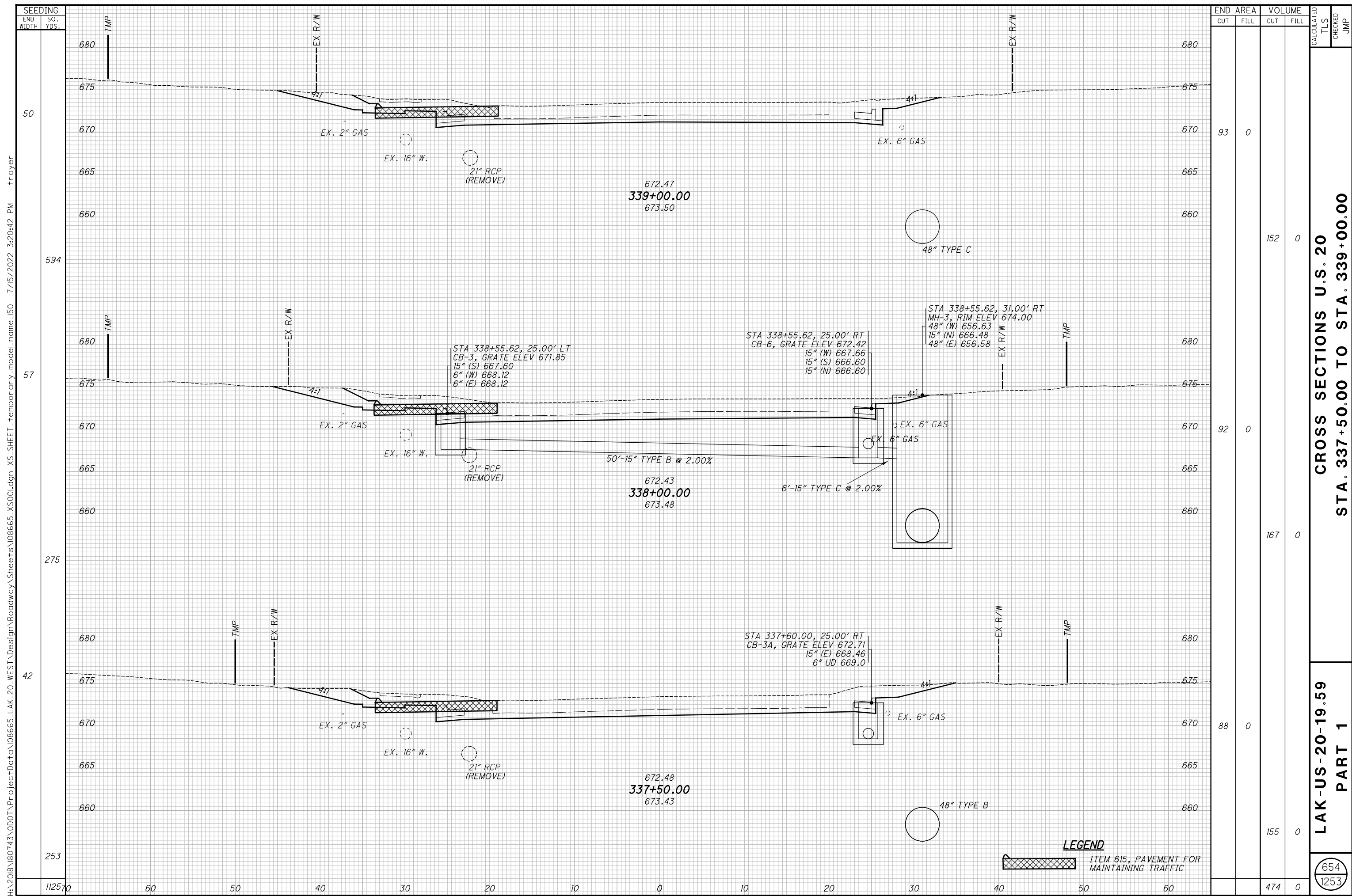
END AREA	VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL			
79	0	132			
64	0	99			
		231			

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 336+50.00 TO STA. 337+00.00**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

653  
1253





END AREA	VOLUME	CALCULATED	CHECKED	JMP
93	0	152	0	
92	0	167	0	
88	0	155	0	
		474	0	

**CROSS SECTIONS U.S. 20**  
**STA. 337+50.00 TO STA. 339+00.00**

**LAK-US-20-19.59**  
**PART 1**

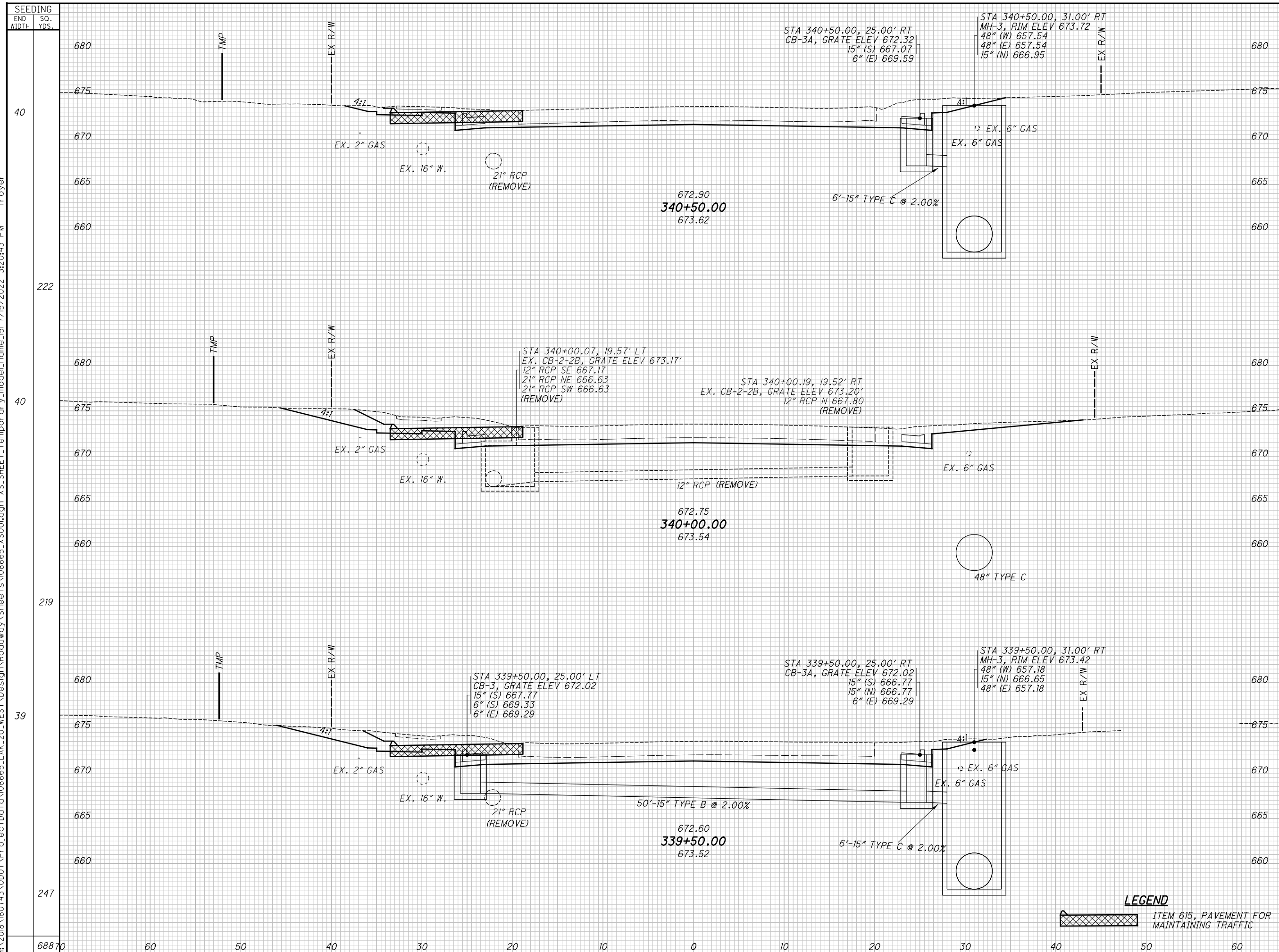
654  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

SEEDING  
 END WIDTH SO. YDS.  
 50  
 594  
 57  
 275  
 42  
 253  
 112570

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H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name.lsl 7/15/2022 3:20:43 PM troyer



END AREA	VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL			
67	0	0	146	0	
91	0	0	172	0	
95	0	0	174	0	
			493	0	

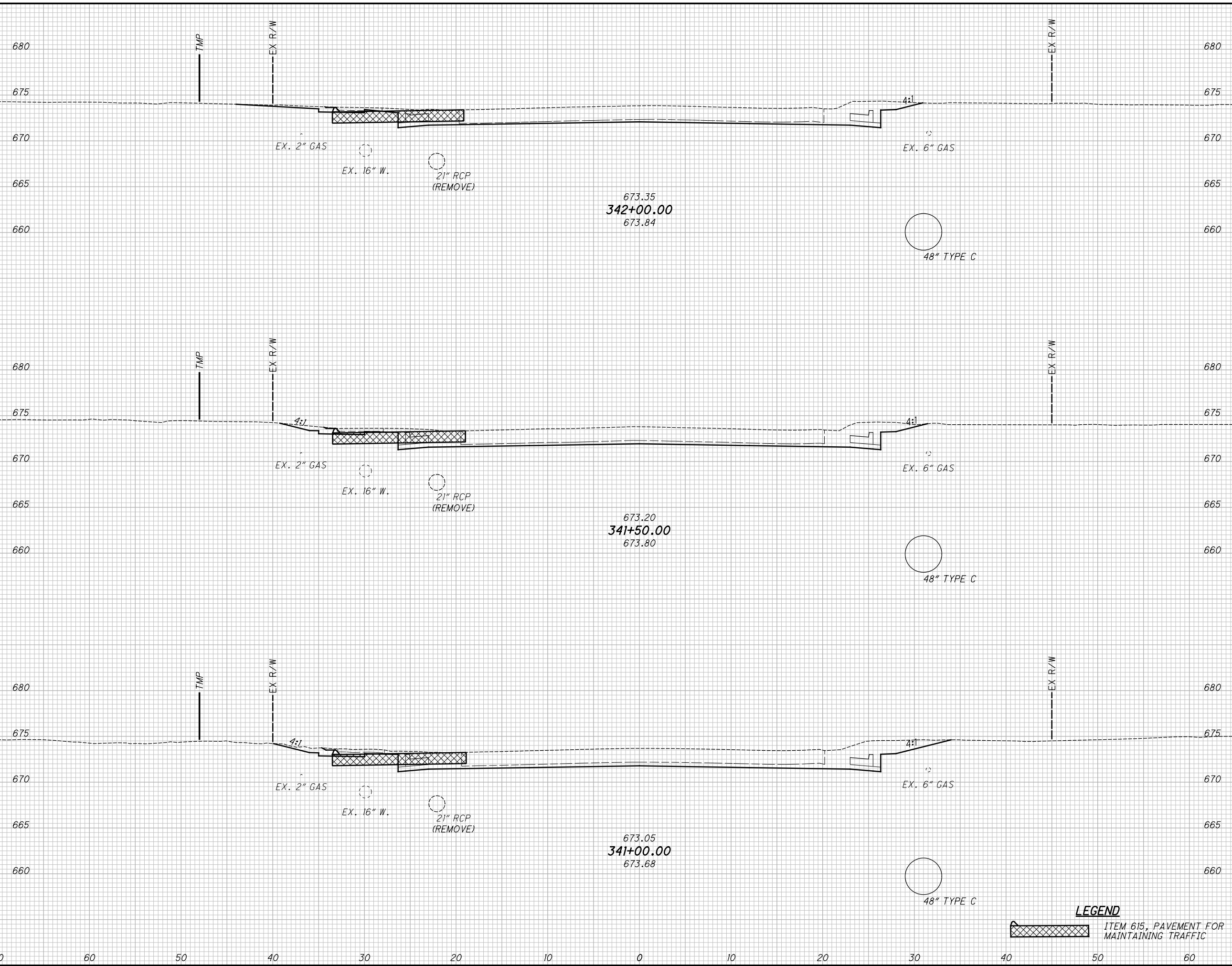
**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**PART 1**  
**STA. 339+50.00 TO STA. 340+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

655  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_152 7/15/2022 3:20:45 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
33	43	0	86	0			
36	50	0	101	0			
35	59	0	117	0			
208			304	0			

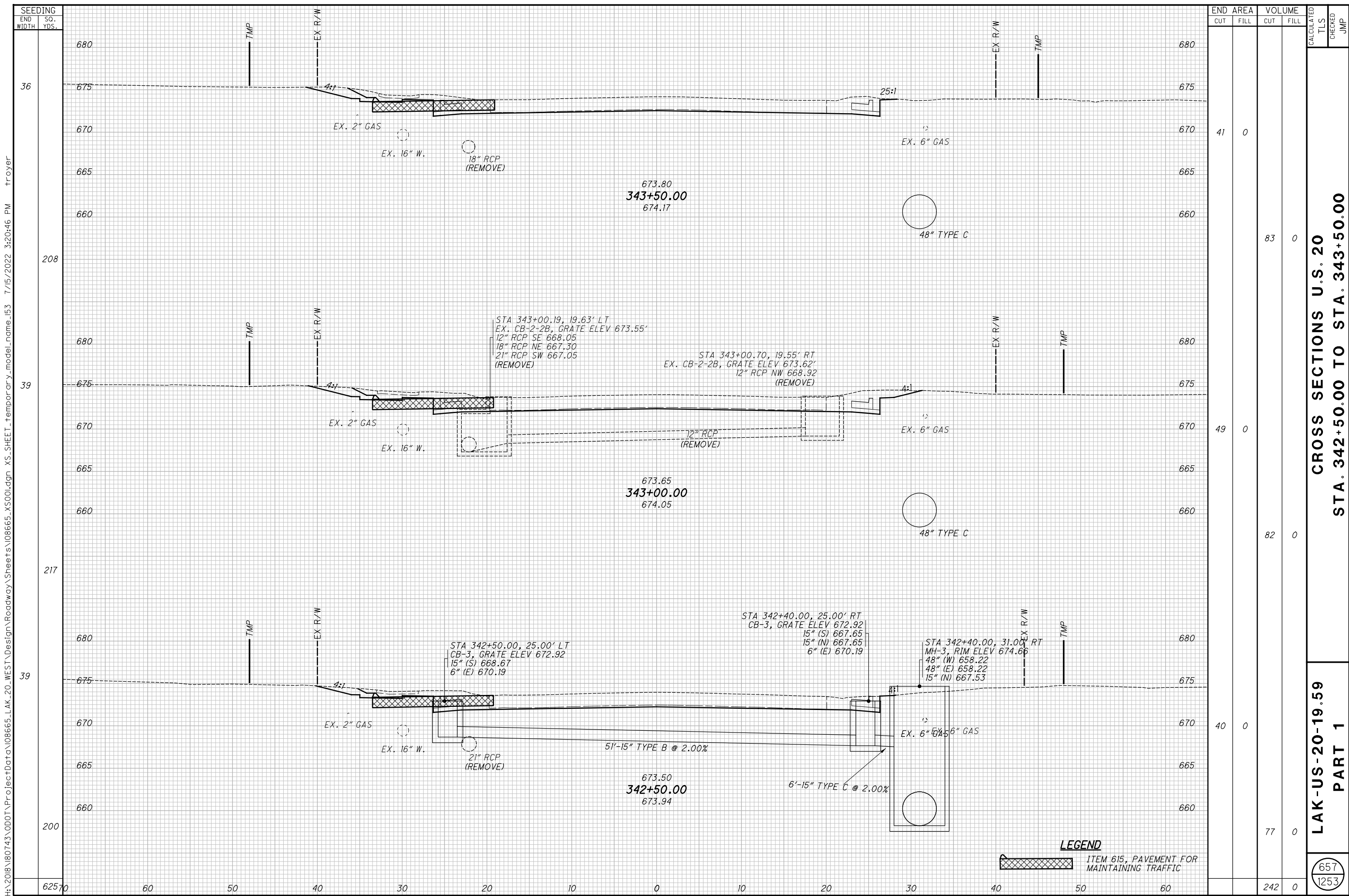


END AREA	VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL			
43	0	86			
50	0	101			
59	0	117			
		304			

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 341+00.00 TO STA. 342+00.00**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

656  
1253



END AREA	VOLUME	CALCULATED	CHECKED	JMP
41	0	83	0	
49	0	82	0	
40	0	77	0	
		242	0	

**CROSS SECTIONS U.S. 20**  
**STA. 342+50.00 TO STA. 343+50.00**

**LAK-US-20-19.59**  
**PART 1**

657  
 1253

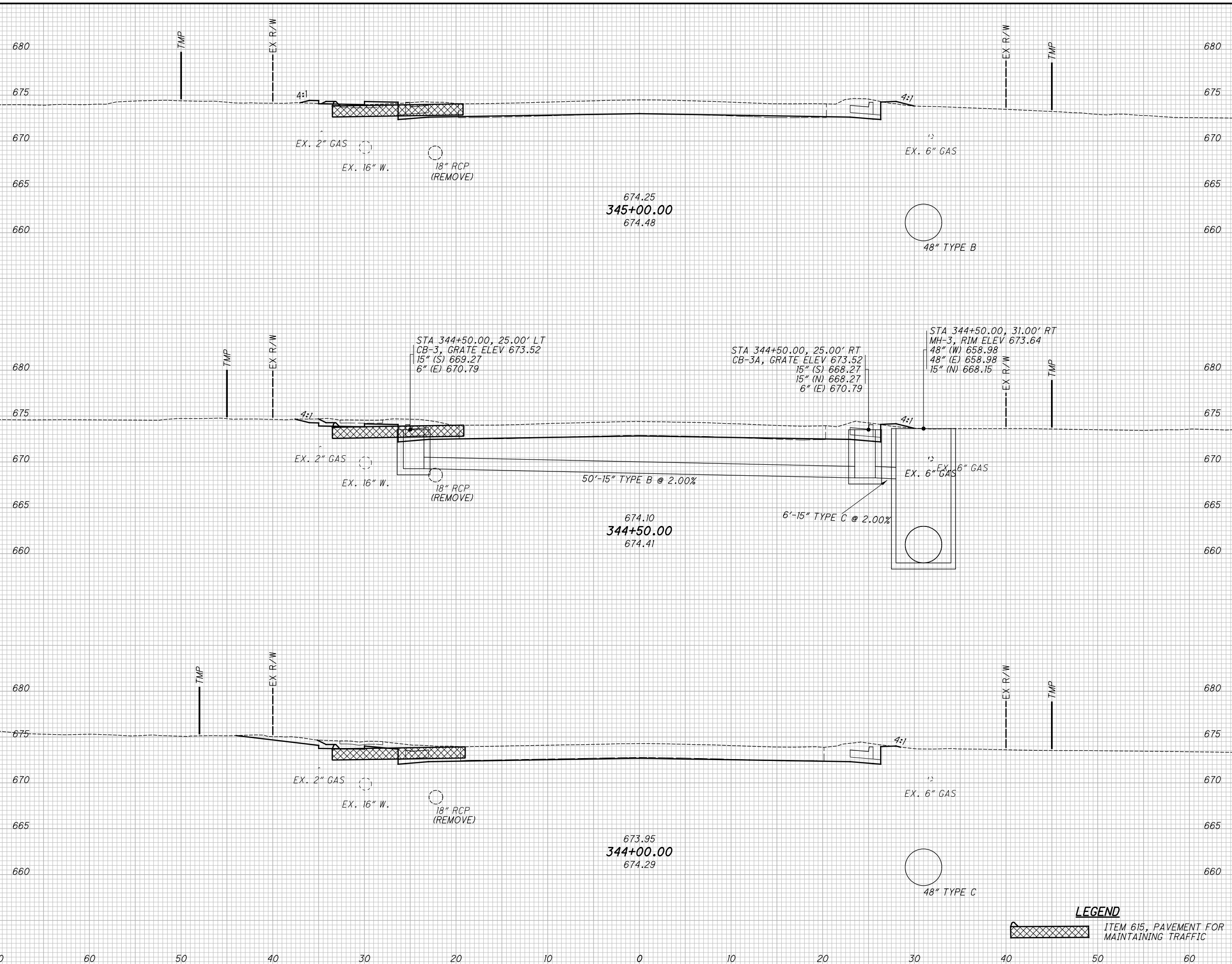
**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

SEEDING  
 END WIDTH SO. YDS.  
 36  
 208  
 39  
 217  
 39  
 200  
 625 70 60 50 40 30 20 10 0 10 20 30 40 50 60

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_153 7/15/2022 3:20:46 PM troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_154 7/15/2022 3:20:47 PM troyer

SEEDING	END	
	WIDTH	SO. YDS.
38	60	50
33	60	50
36	60	50
200	60	50



END AREA	VOLUME	
	CUT	FILL
22	2	49
31	1	63
37	0	72
	184	4

**CROSS SECTIONS U.S. 20**  
**STA. 344+00.00 TO STA. 345+00.00**

**LAK-US-20-19.59**  
**PART 1**

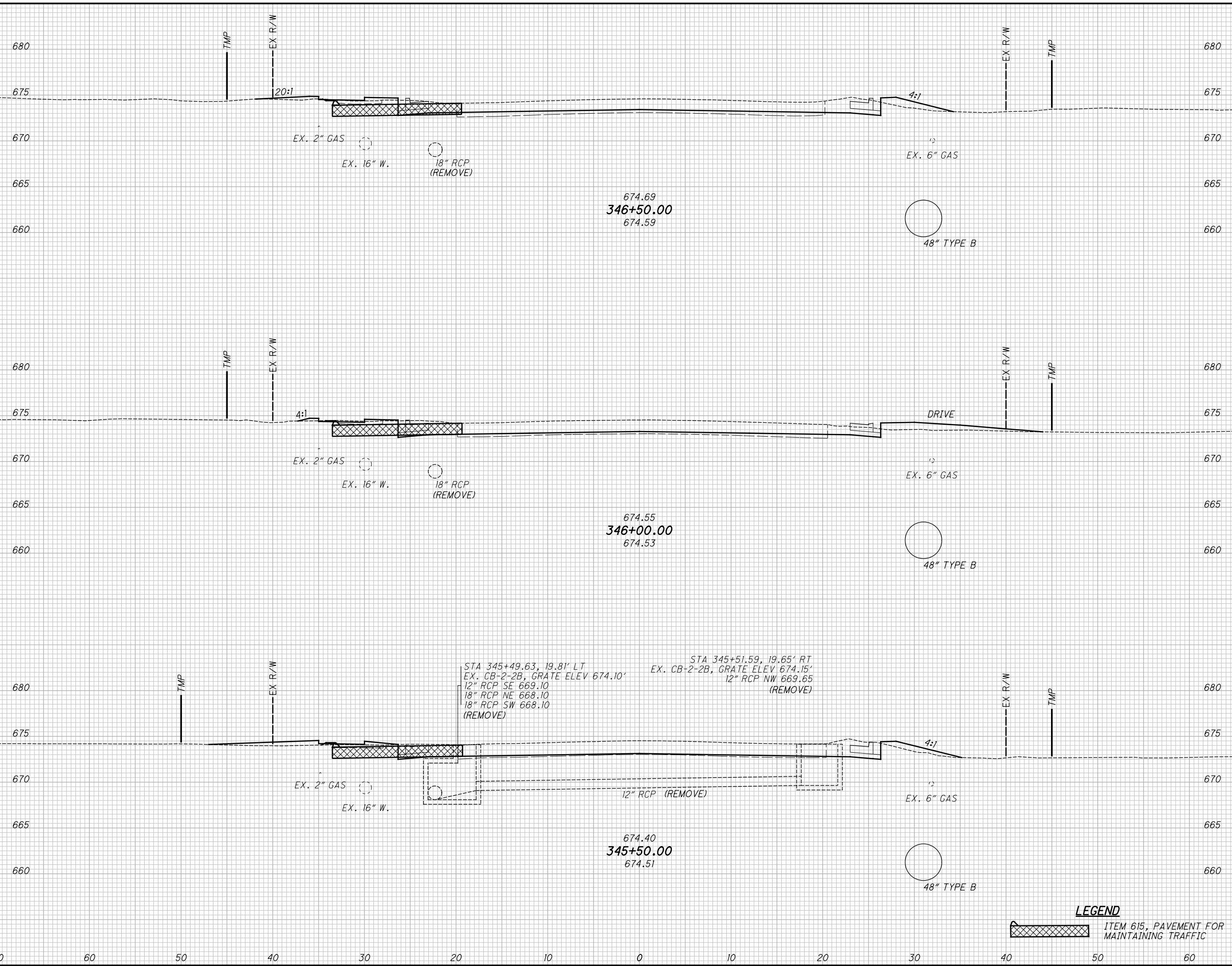
CALCULATED  
 T.L.S.  
 CHECKED  
 J.M.P.

658  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_155 7/15/2022 3:20:49 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
32	18	7	31	16			
33	16	10	33	18			
38	20	9	39	10			
58970	60	50	103	44			



END AREA	VOLUME	CALCULATED	CHECKED	JMP
18	7	31	16	
16	10	33	18	
20	9	39	10	
60	50	103	44	

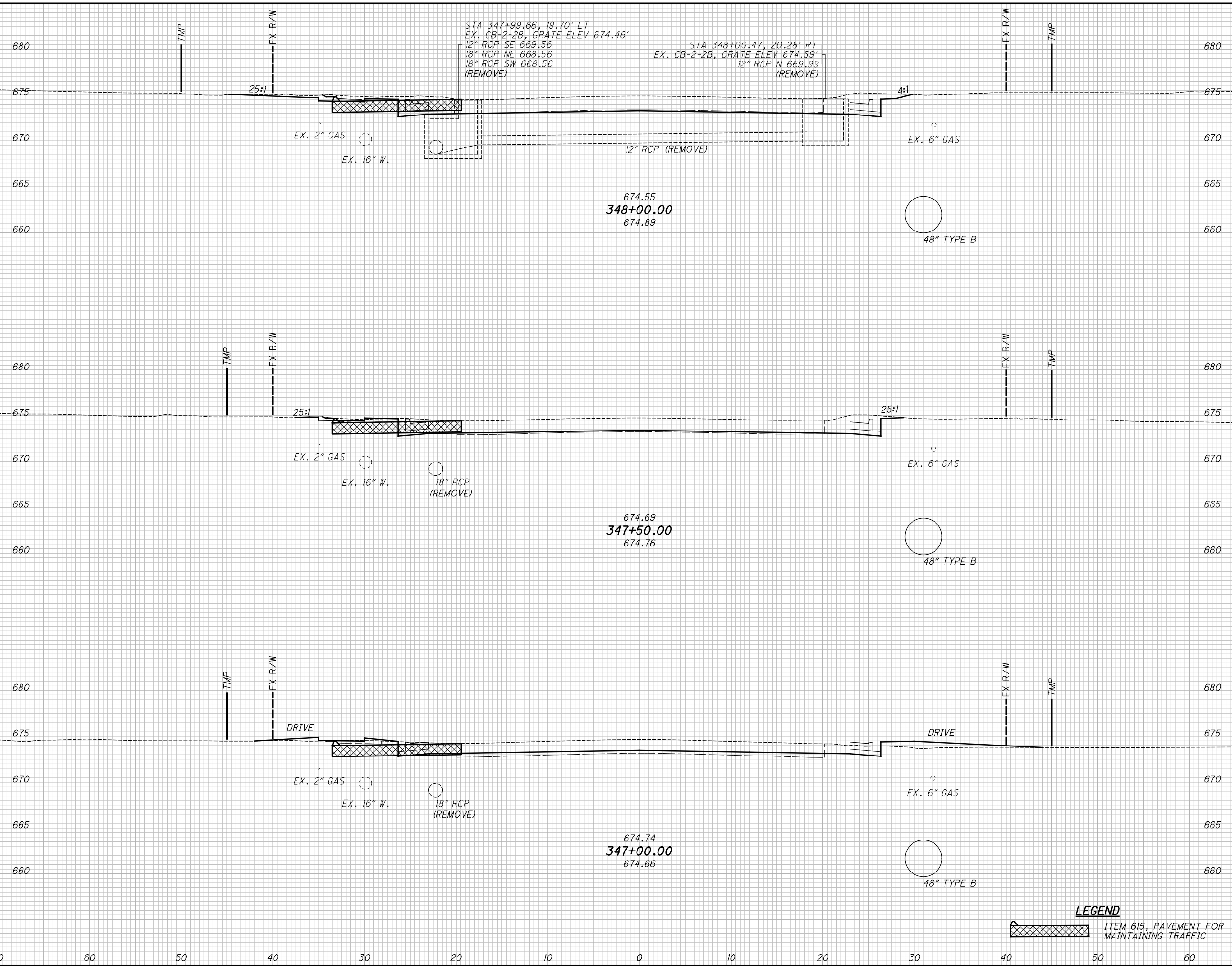
**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 345+50.00 TO STA. 346+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

659  
1253

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SEEDING	
END WIDTH	SO. YDS.
38	680
197	675
33	670
183	665
33	660
181	655
56170	650



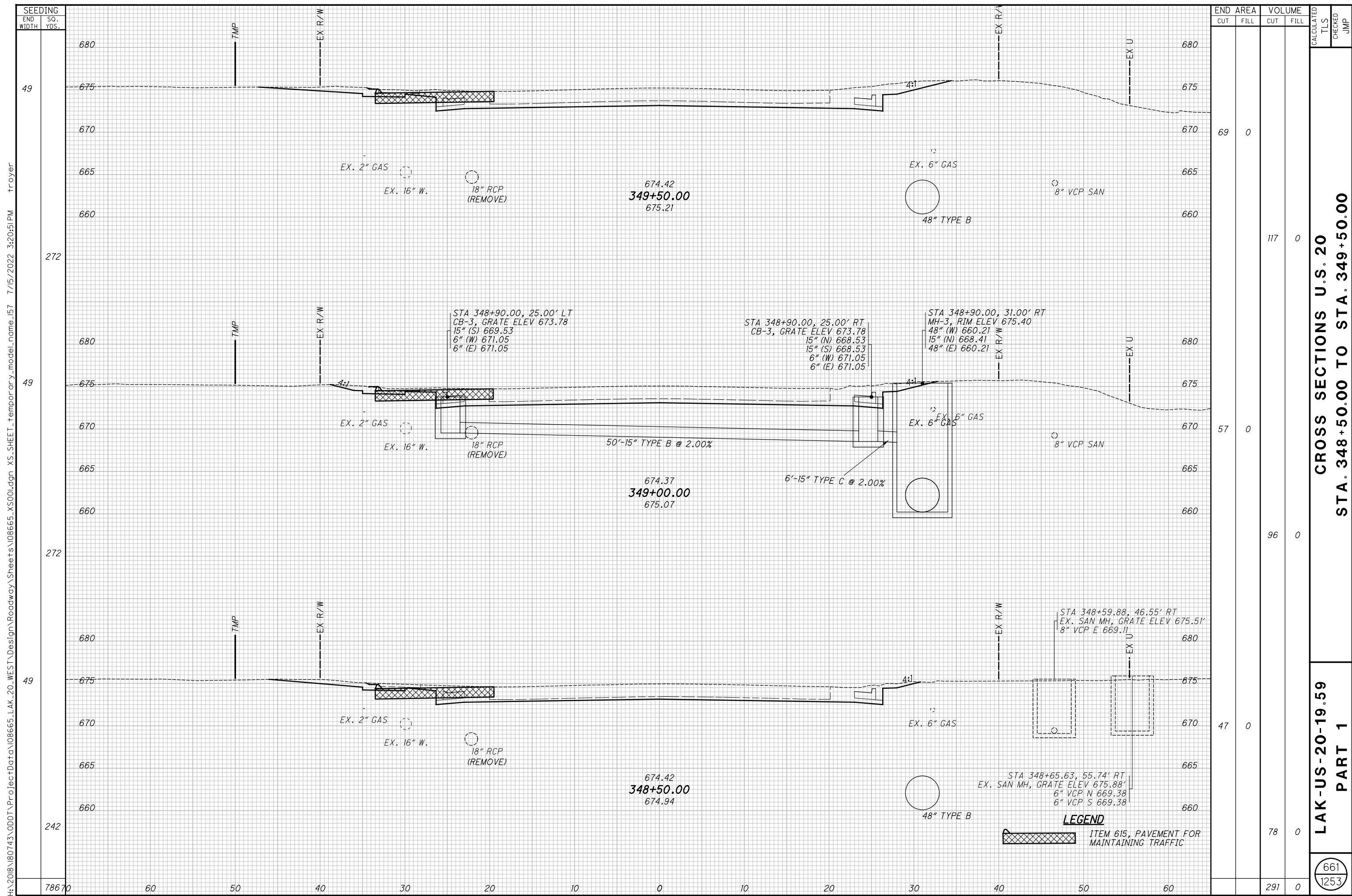
END AREA		VOLUME	
CUT	FILL	CUT	FILL
37	0	56	0
24	0	35	8
14	9	30	15
		121	23

CALCULATED	CHECKED	JMP
660	1253	

CROSS SECTIONS U.S. 20  
STA. 347+00.00 TO STA. 348+00.00

LAK-US-20-19.59  
PART 1

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
49		69	0				
272			117	0			
49		57	0				
272			96	0			
49		47	0				
242			78	0			
78670	60	50	40	30	20	10	0
	10	20	30	40	50	60	
			291	0			

**CROSS SECTIONS U.S. 20**  
**STA. 348+50.00 TO STA. 349+50.00**

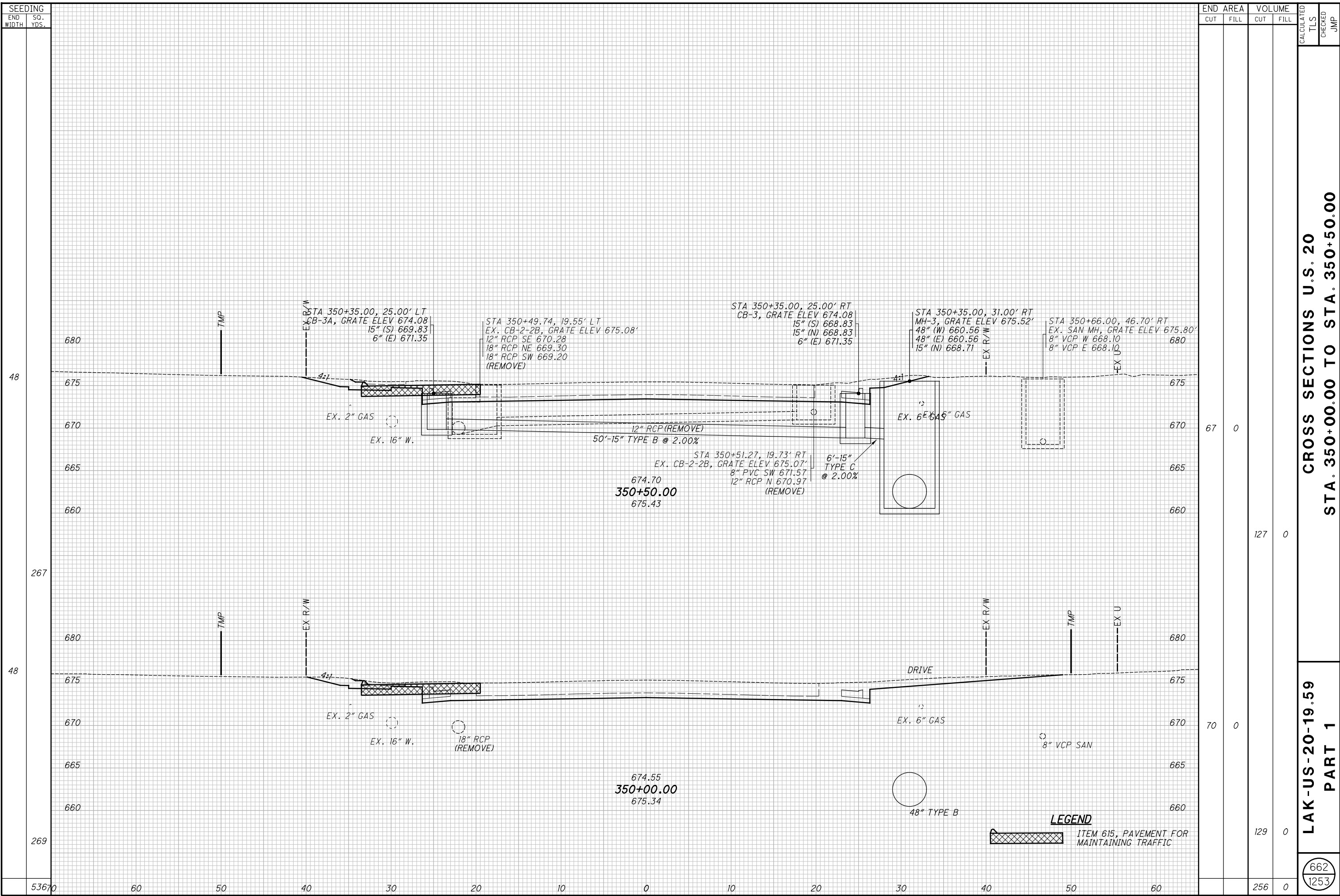
**LAK-US-20-19.59**  
**PART 1**

661  
 1253

H:\2018\180743\0D01\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_157 7/15/2022 3:20:51 PM Troyer



H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_158 7/15/2022 3:20:53 PM troyer



**CROSS SECTIONS U.S. 20**  
**STA. 350+00.00 TO STA. 350+50.00**

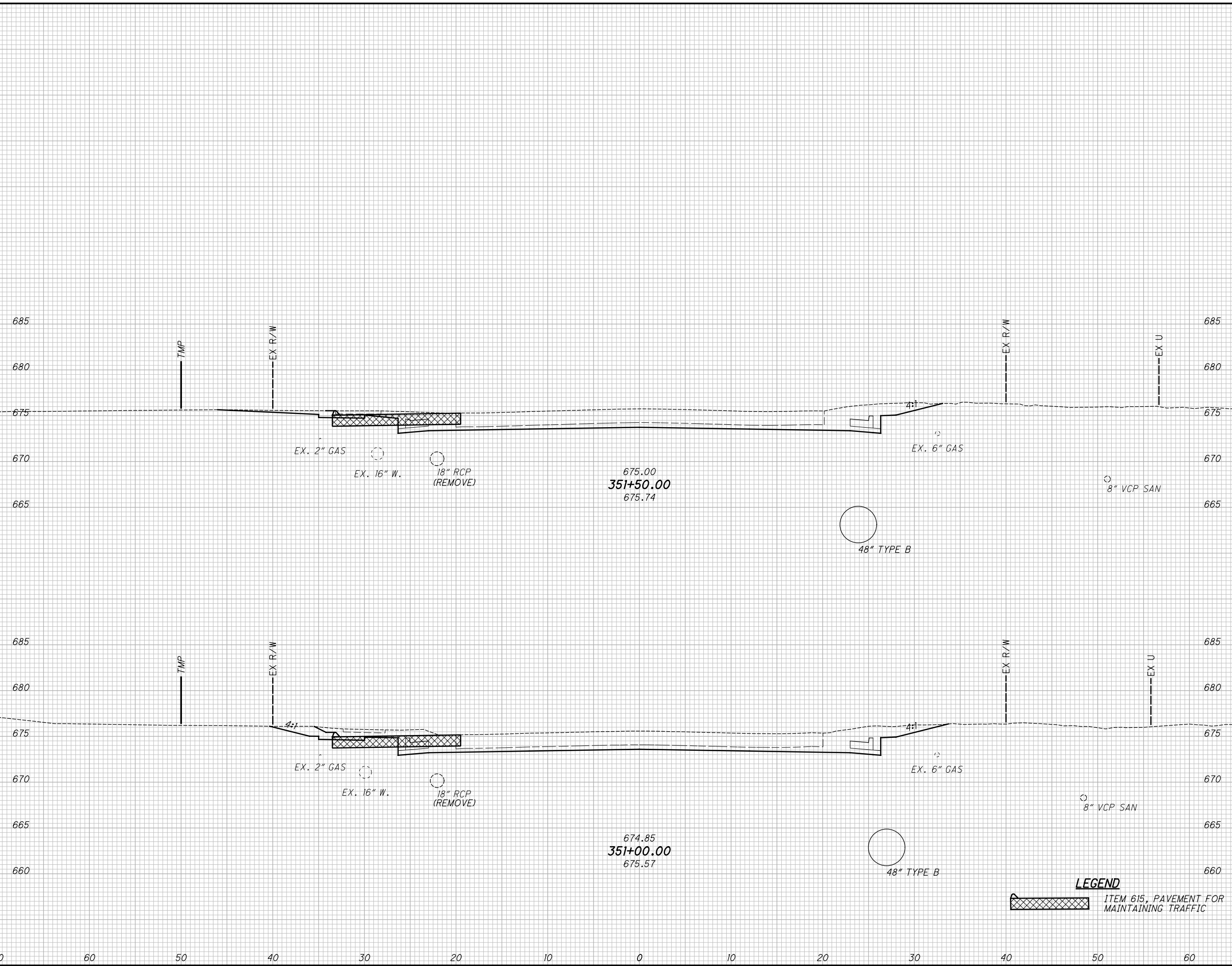
**LAK-US-20-19.59**  
**PART 1**

662  
1253

END AREA	VOLUME	CALCULATED	CHECKED				
				CUT	FILL	CUT	FILL
67	0	67	0				
127	0	127	0				
70	0	70	0				
129	0	129	0				
256	0	256	0				

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SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
END WIDTH	62	0	120	0			
SO. YDS.	68	0	125	0			
	54470	60	245	0			

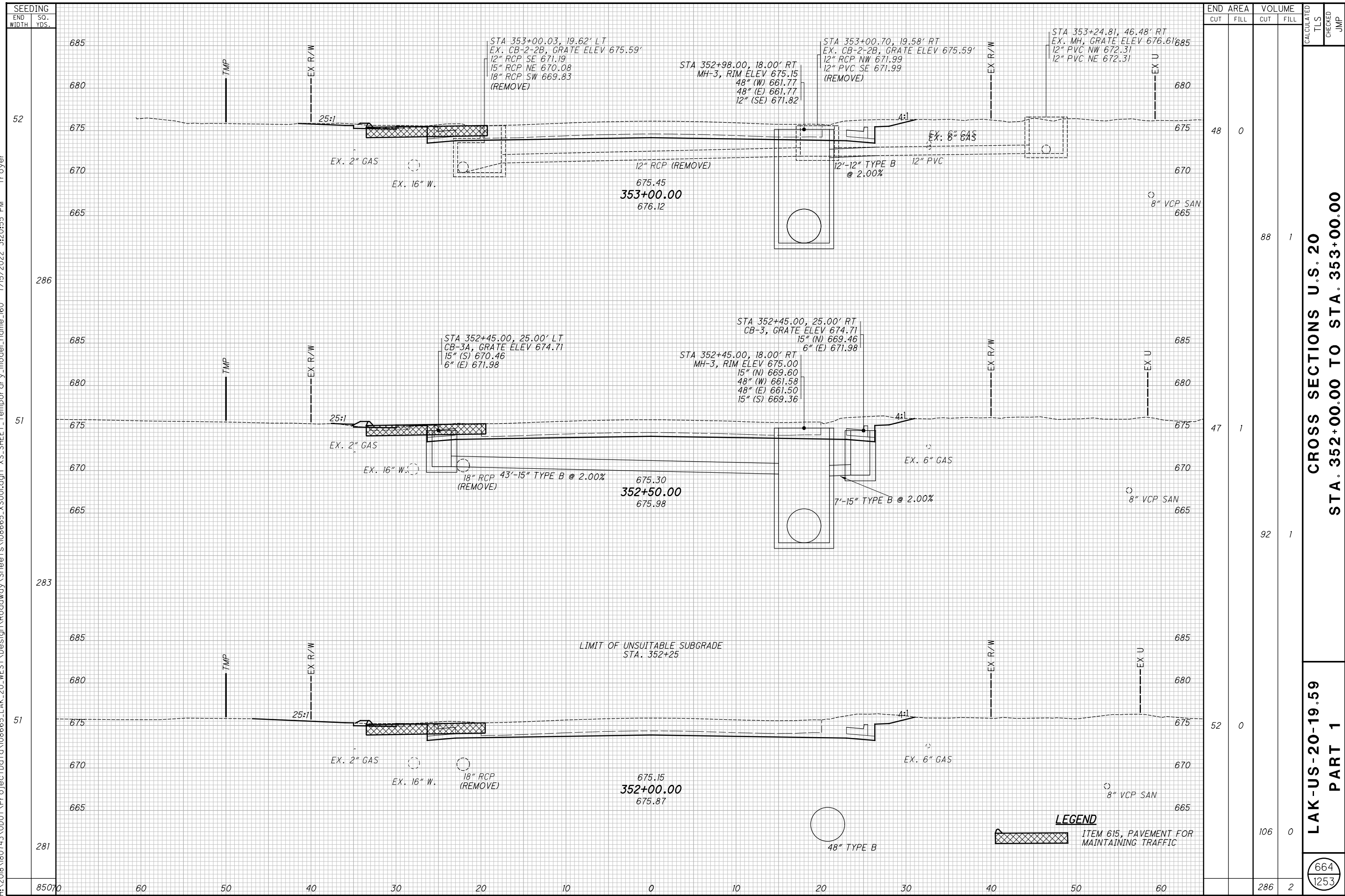


**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 351+00.00 TO STA. 351+50.00**

663  
1253

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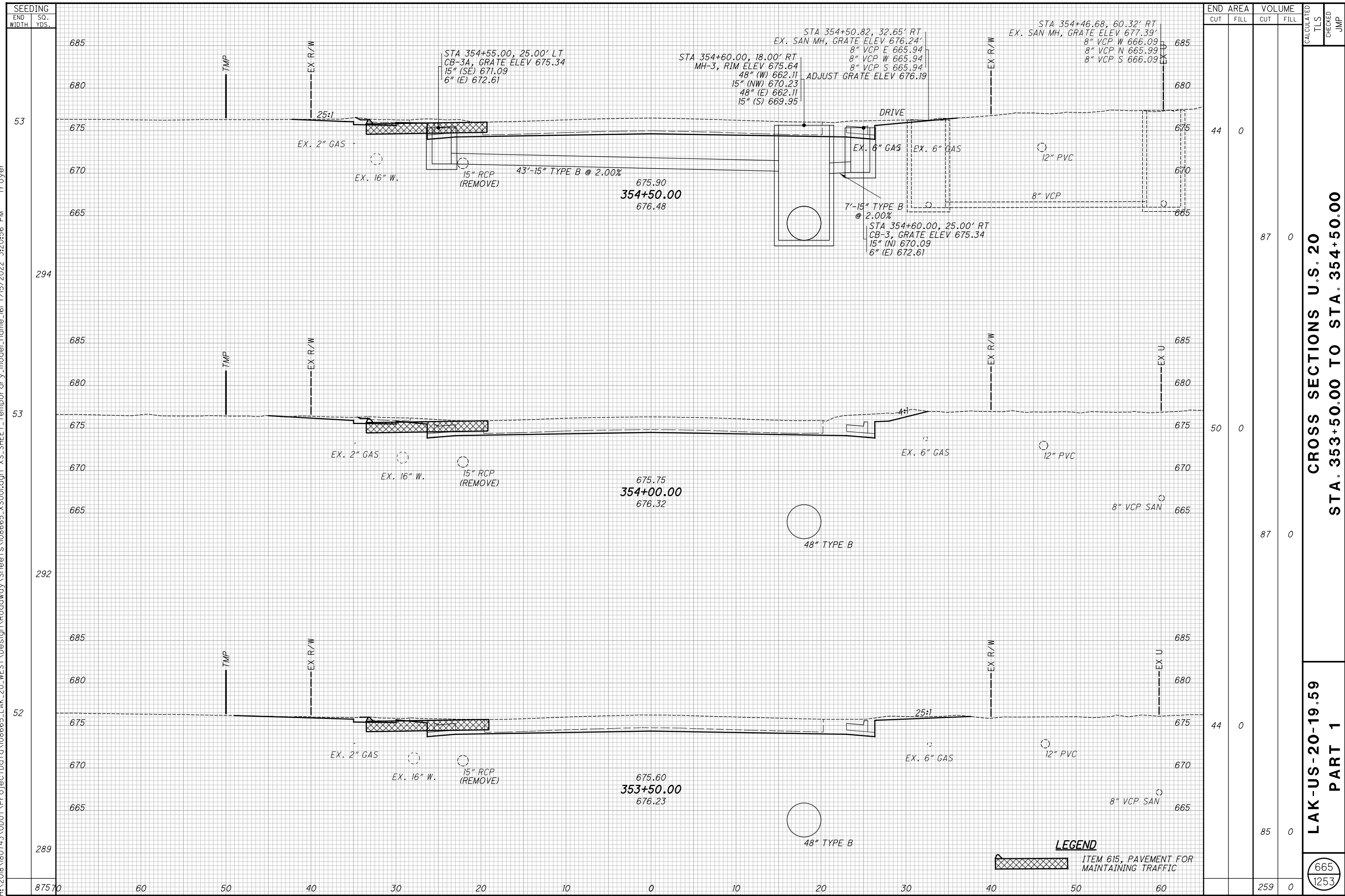
END AREA	VOLUME	CALCULATED	CHECKED	JMP
48	0			
	88	1		
47	1			
	92	1		
52	0			
	106	0		
	286	2		

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**PART 1**  
**STA. 352+00.00 TO STA. 353+00.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC  
 48" TYPE B  
 8" VCP SAN

664  
1253

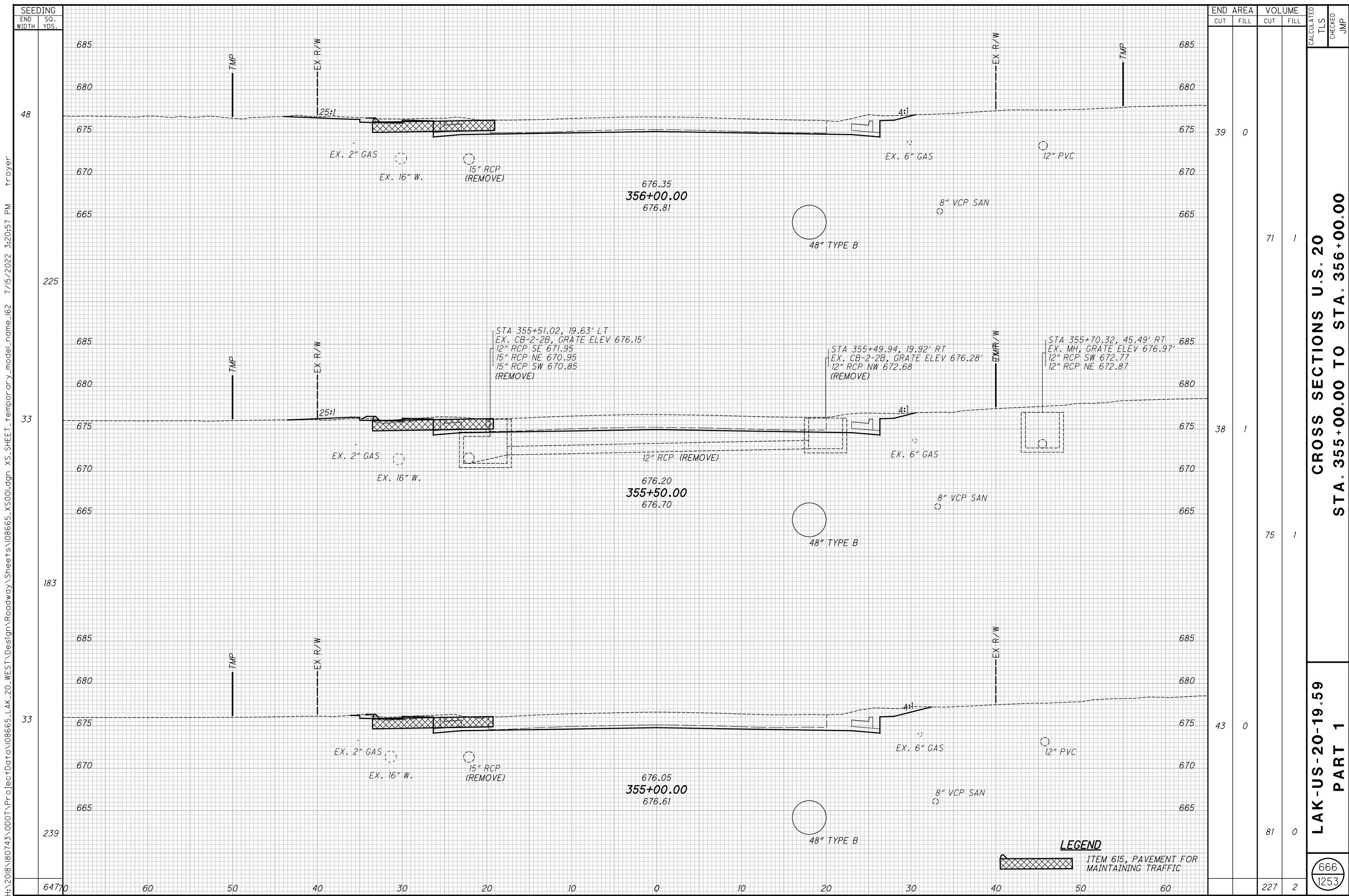
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SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
53	44	0					
294			87	0			
53	50	0					
292			87	0			
52	44	0					
289			85	0			
875	70		259	0			

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 353+50.00 TO STA. 354+50.00**  
**PART 1**

665  
1253



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
48	39	0	71	1			
33	38	1	75	1			
33	43	0	81	0			
64770			227	2			

**CROSS SECTIONS U.S. 20**  
**STA. 355+00.00 TO STA. 356+00.00**

**LAK-US-20-19.59**  
**PART 1**

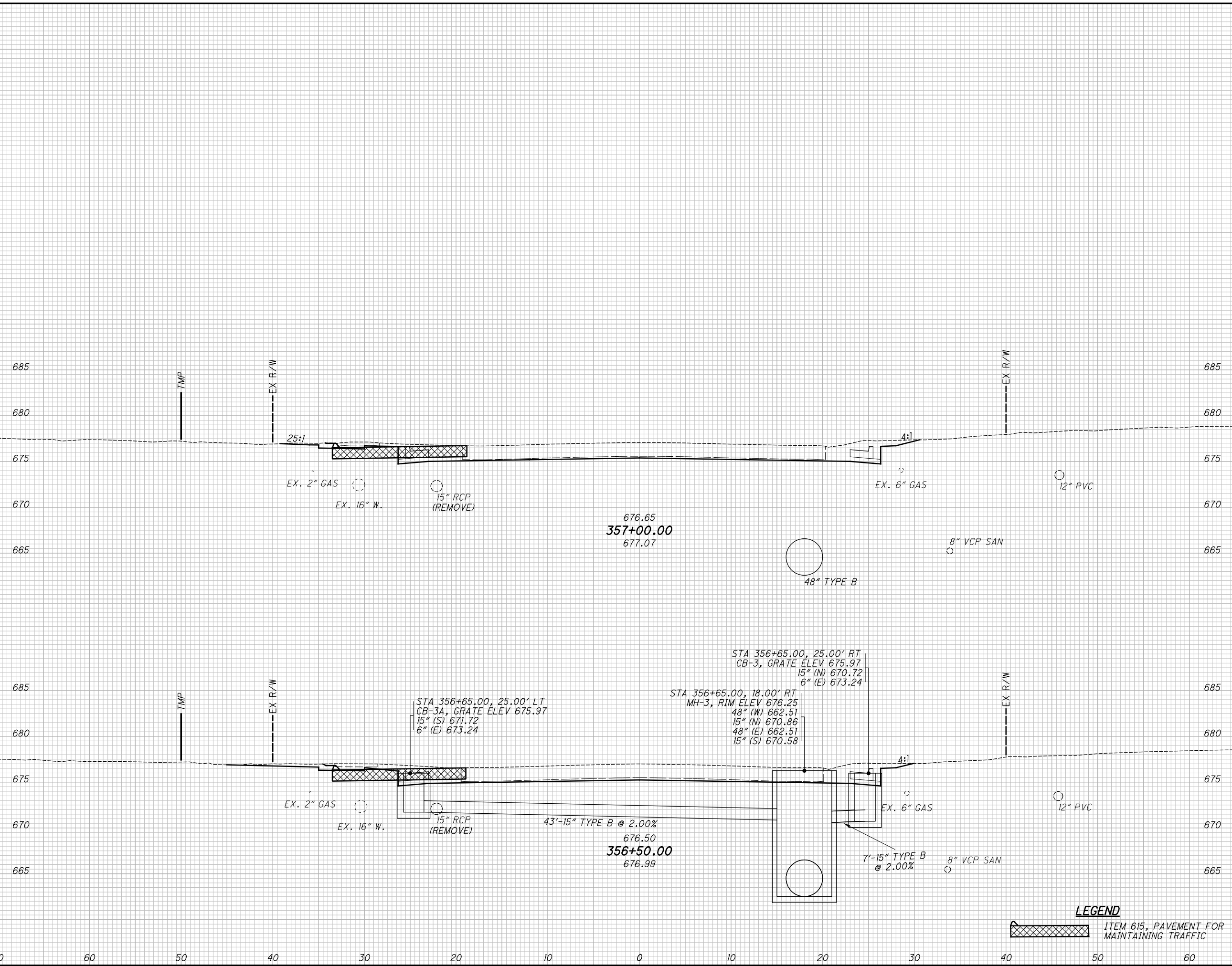
666  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET temporary\_model\_name.l62 7/15/2022 3:20:57 PM troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_temporary\_model\_name\_163 7/15/2022 3:20:59 PM troyer

SEEDING	
END WIDTH	SO. YDS.
40870	225
60	183
50	33
40	33
30	33
20	33
10	33
0	33
10	33
20	33
30	33
40	33
50	33
60	33

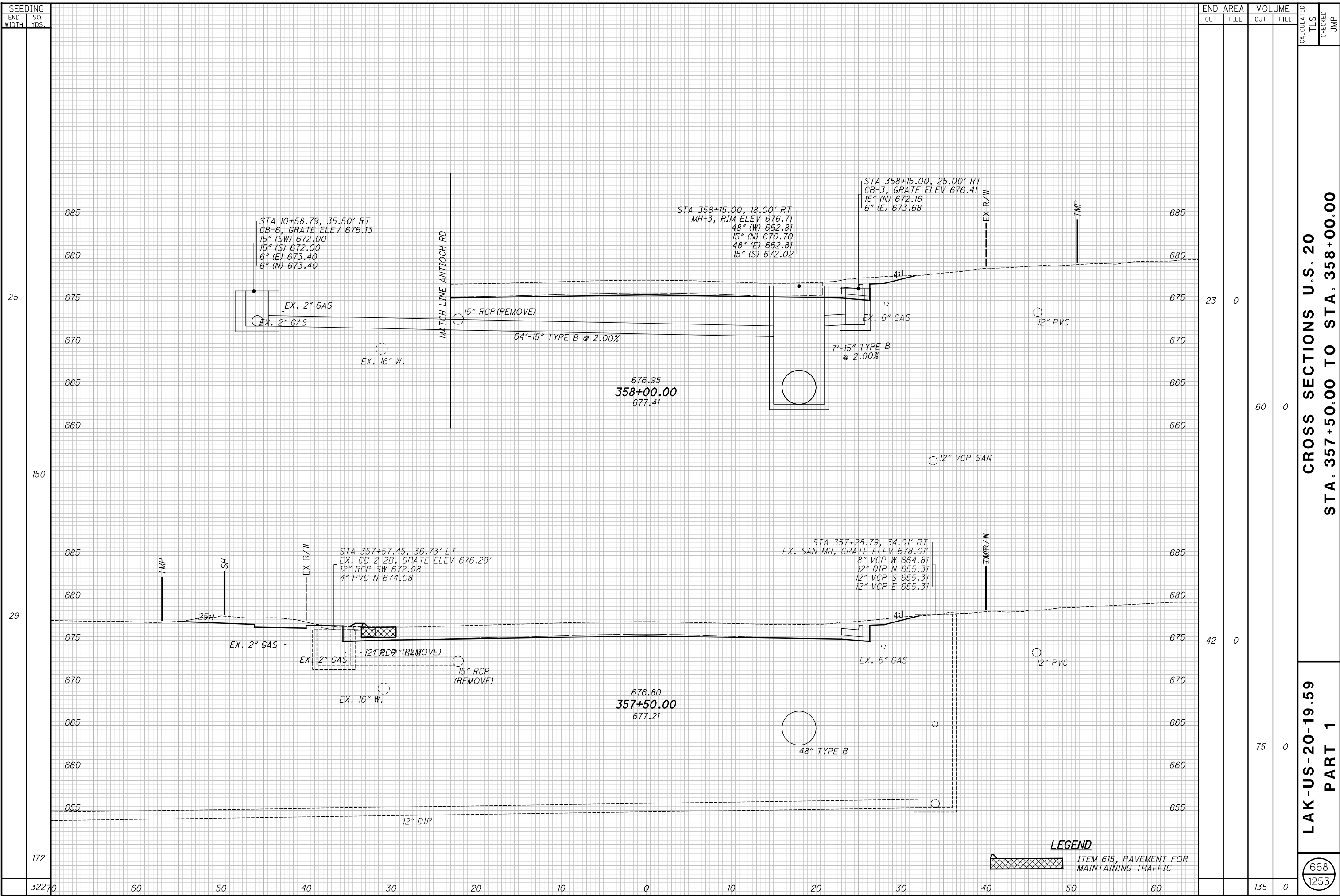


END AREA		VOLUME	
CUT	FILL	CUT	FILL
39	0	75	0
42	0	75	0
		150	0

CROSS SECTIONS U.S. 20  
 STA. 356+50.00 TO STA. 357+00.00  
 LAK-US-20-19.59  
 PART 1  
 CALCULATED TLS  
 CHECKED JMP  
 667  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING		END AREA		VOLUME		CALCULATED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	TLS	JMP
25		23	0	60	0		
150		42	0	75	0		
172							
32270				135	0		

CROSS SECTIONS U.S. 20  
STA. 357+50.00 TO STA. 358+00.00

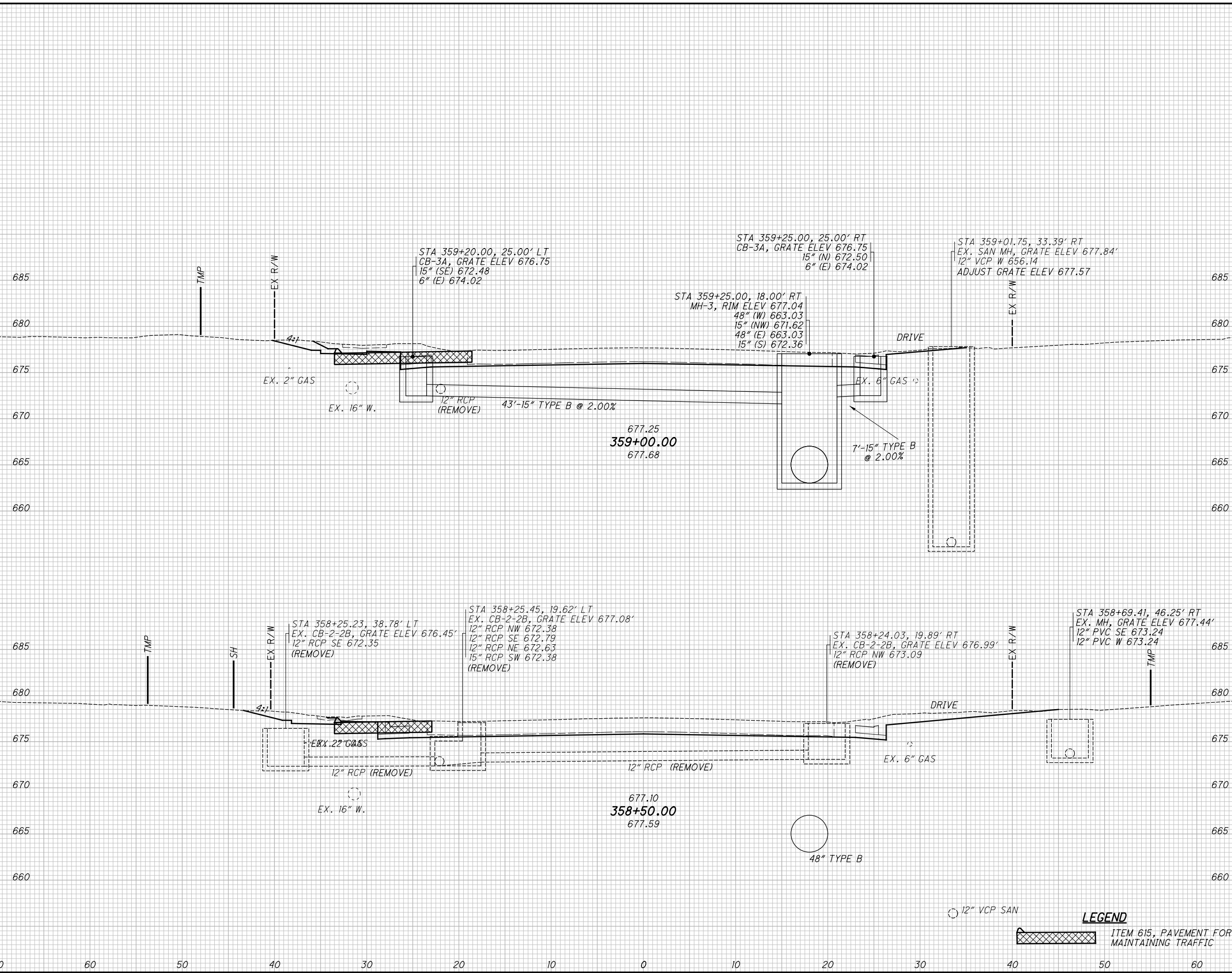
LAK-US-20-19.59  
PART 1

668  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_165 7/15/2022 3:20:01 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	END WIDTH	SO. YDS.	CUT	FILL		
31			44	0		
222						
49			52	0		
206						
428	70					
	60					
	50					
	40					
	30					
	20					
	10					
	0					
	10					
	20					
	30					
	40					
	50					
	60					
			158	0		



**CROSS SECTIONS U.S. 20**  
**STA. 358+50.00 TO STA. 359+00.00**

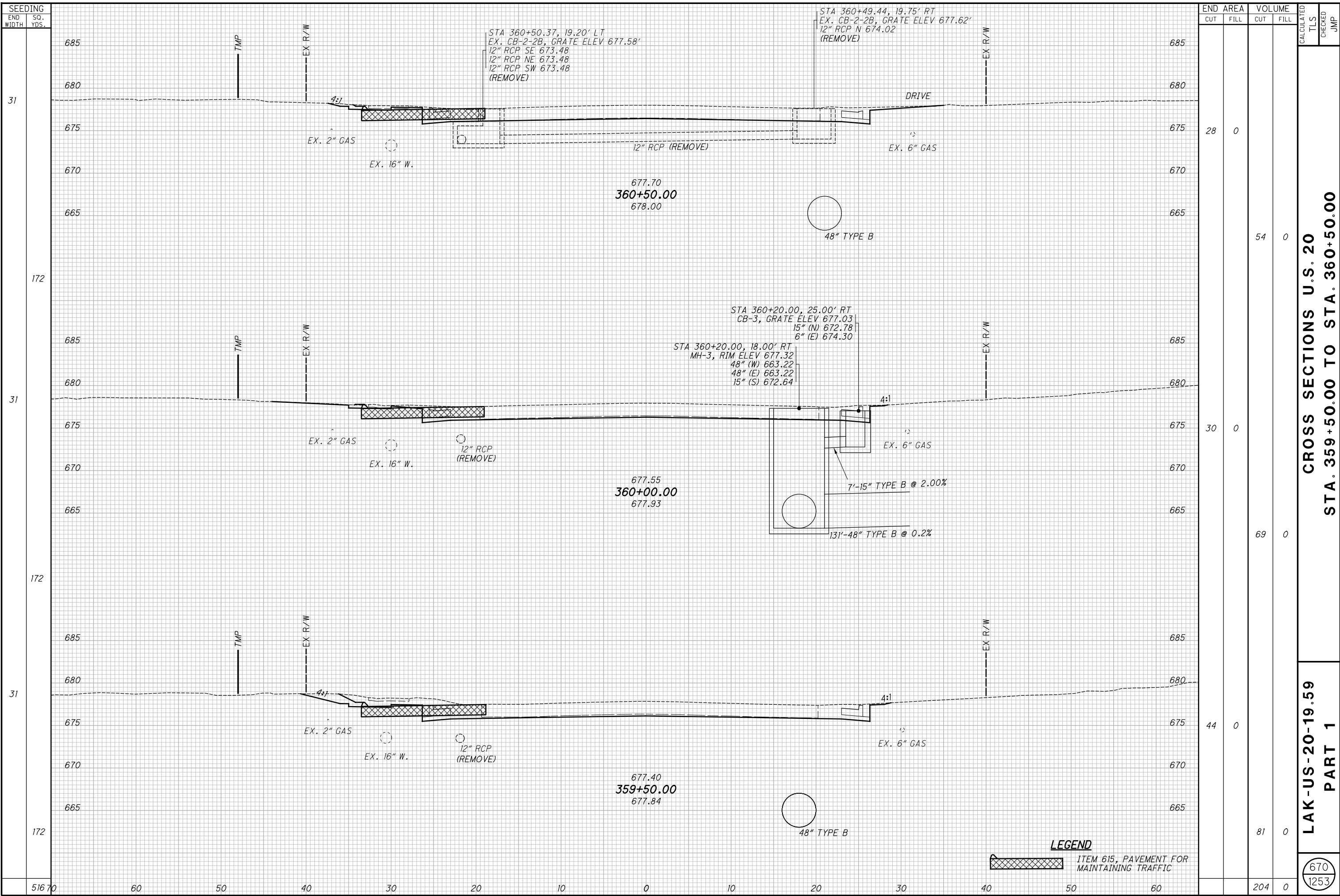
**LAK-US-20-19.59**  
**PART 1**

669  
1253

**LEGEND**  
 ○ 12" VCP SAN  
 [Hatched Box] ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



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END AREA	VOLUME	CALCULATED	CHECKED	JMP
28	0			
30	0			
44	0			
204	0			

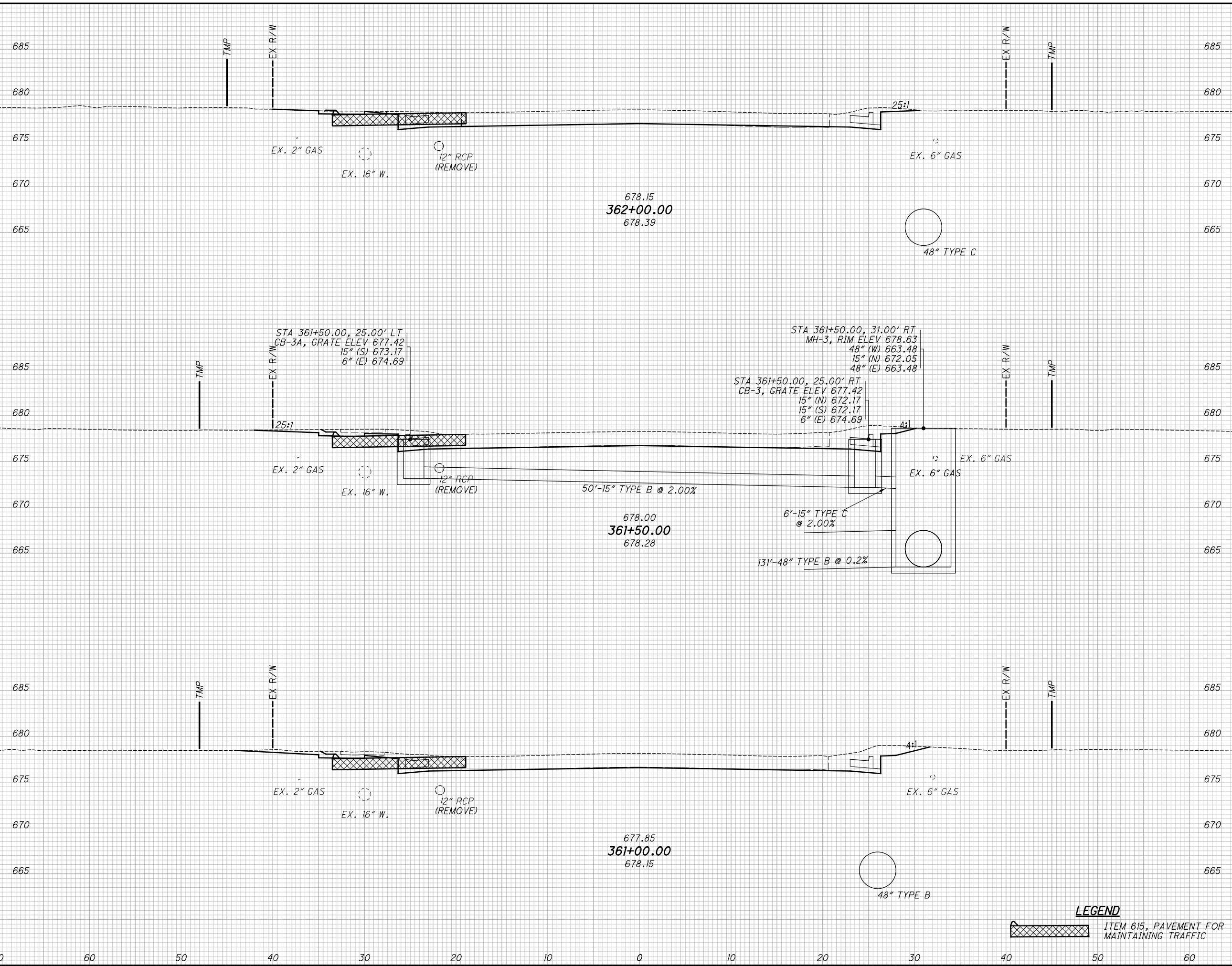
**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**PART 1**  
**STA. 359+50.00 TO STA. 360+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

670  
1253

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SEEDING	
END WIDTH	SO. YDS.
33	685
192	680
36	675
200	670
36	665
186	660
57870	655



END AREA		VOLUME	
CUT	FILL	CUT	FILL
26	0	58	0
37	0	69	0
37	0	60	0
		187	0

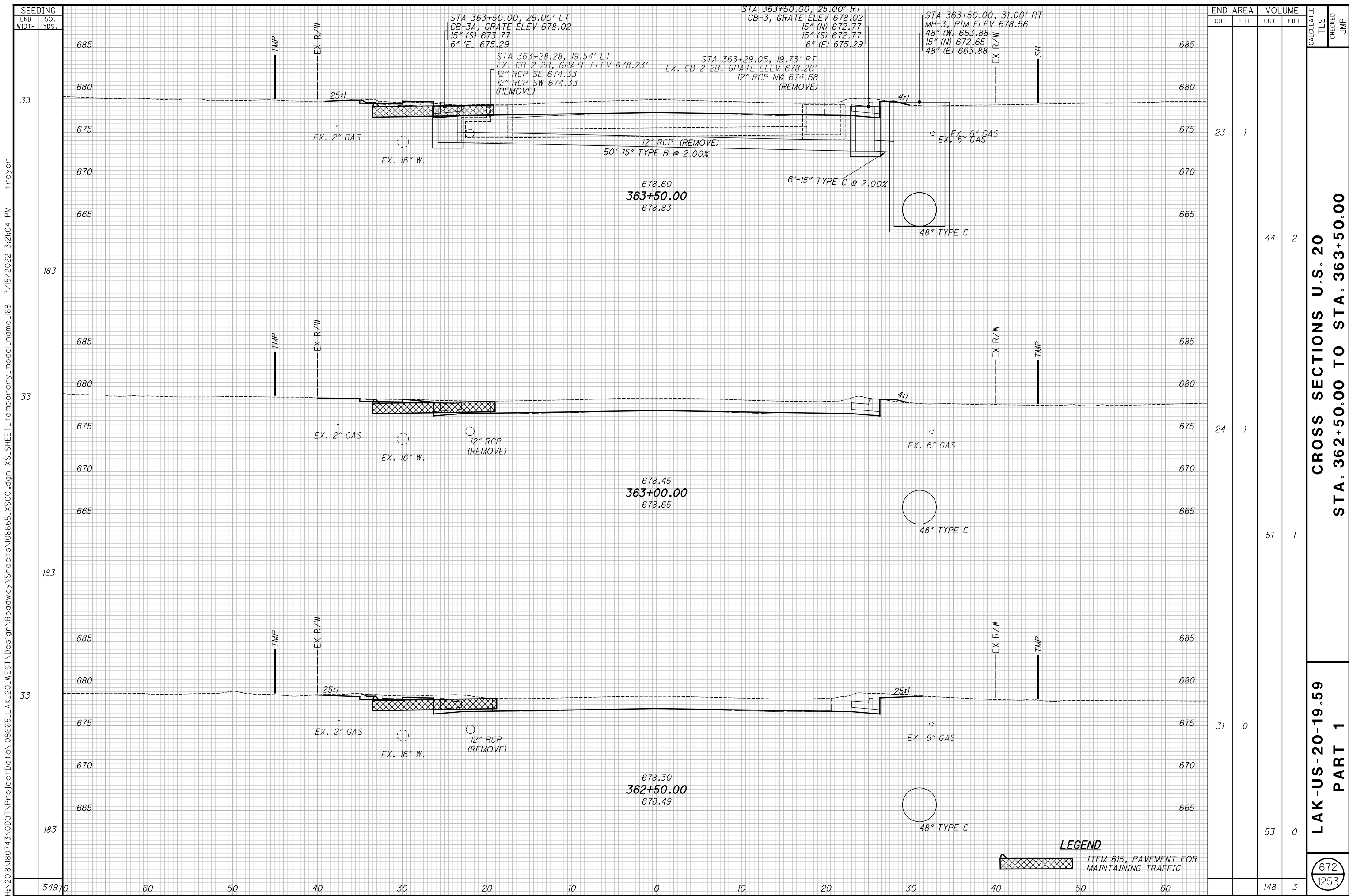
CALCULATED	CHECKED	JMP

CROSS SECTIONS U.S. 20  
STA. 361+00.00 TO STA. 362+00.00

LAK-US-20-19.59  
PART 1

671  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



END STA	AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
362+50.00	23	1	44	2			
363+00.00	24	1	51	1			
363+50.00	31	0	53	0			
TOTAL			148	3			

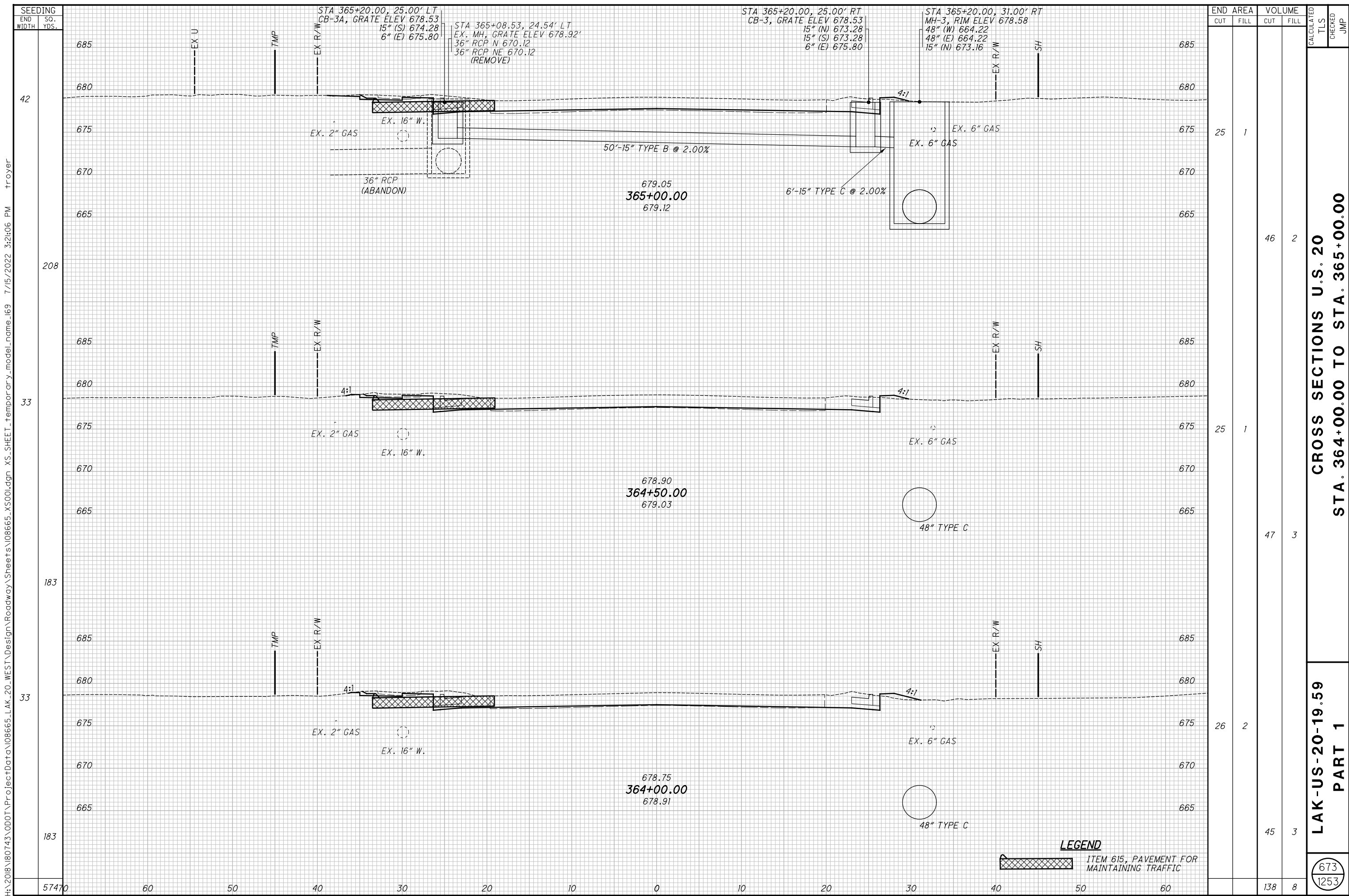
**CROSS SECTIONS U.S. 20**  
**STA. 362+50.00 TO STA. 363+50.00**

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

672  
1253

SEEDING  
 END WIDTH SO. YDS.  
 54970 60 50 40 30 20 10 0 10 20 30 40 50 60  
 33 183 33 183 33 183  
 H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name\_168 7/15/2022 3:21:04 PM Troyer



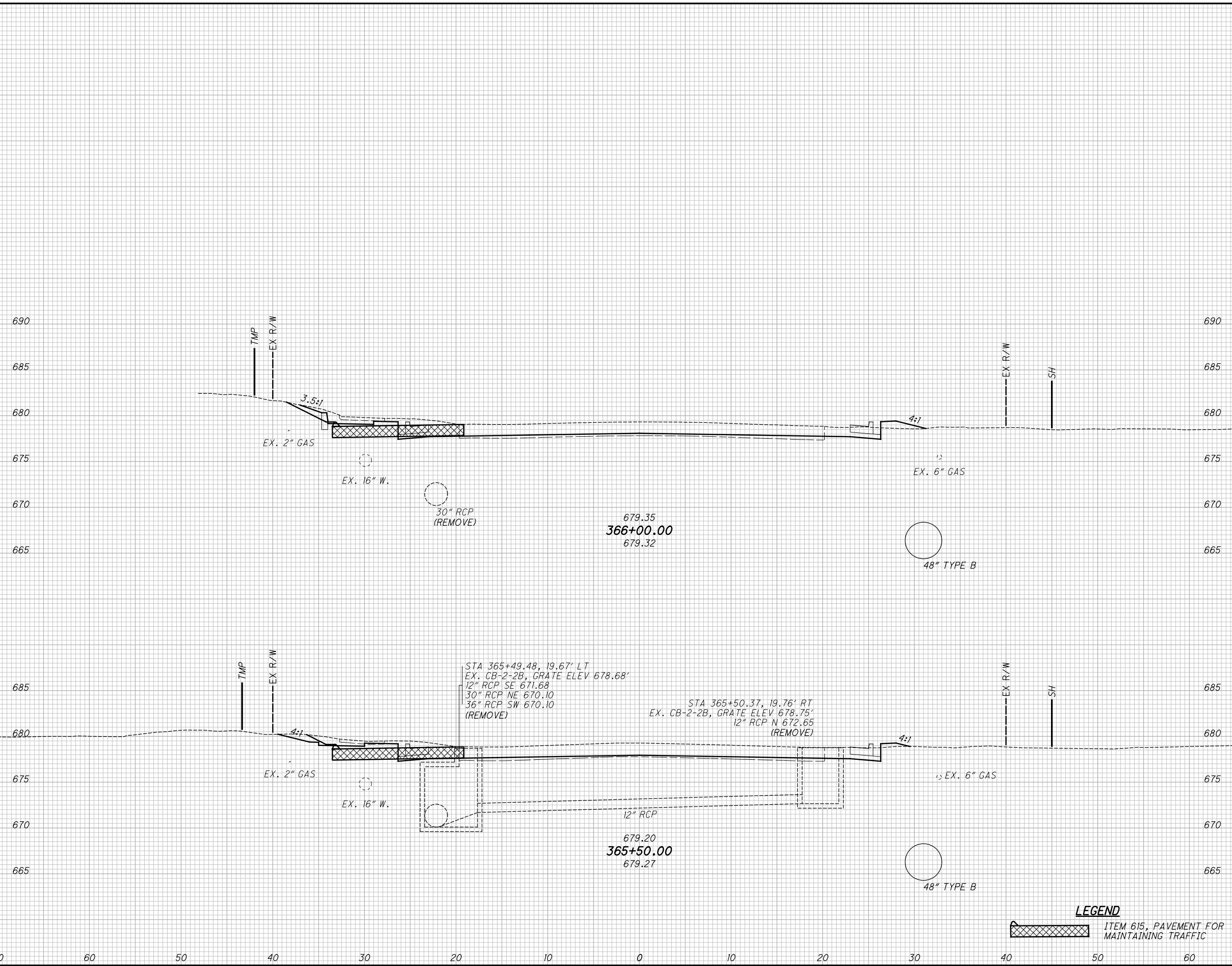
H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_169 7/15/2022 3:21:06 PM troyer

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 364+00.00 TO STA. 365+00.00**  
**PART 1**

673  
 1253

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SEEDING	
END WIDTH	SO. YDS.
37870	30
172	172
32	32
206	206



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
25	3	47	4		
26	1	47	2		
		94	4		

**CROSS SECTIONS U.S. 20**  
**STA. 365+50.00 TO STA. 366+00.00**

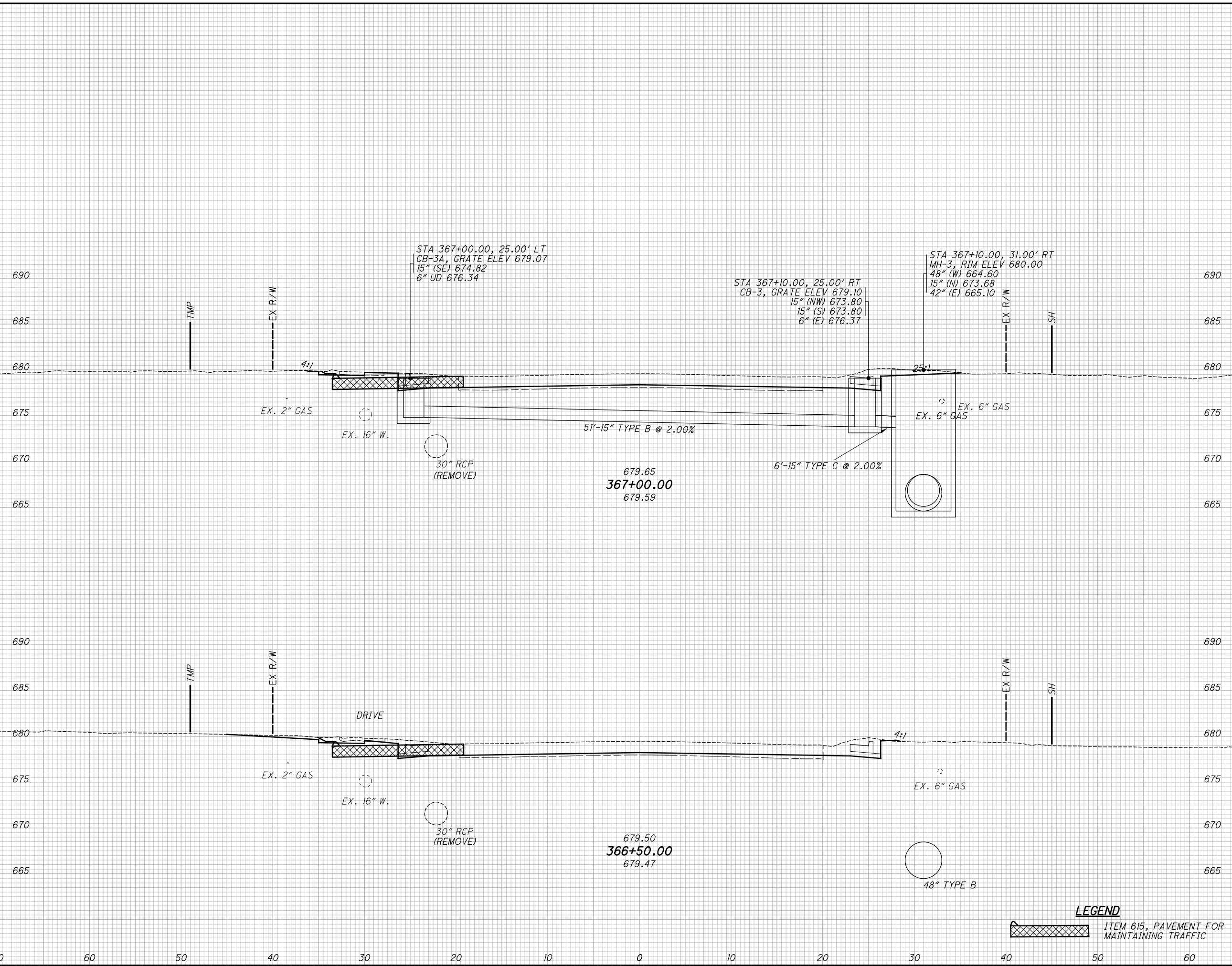
**LAK-US-20-19.59**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

674  
1253

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SEEDING	END	
	WIDTH	SO. YDS.
	392	70
	60	50
	50	40
	40	30
	30	20
	20	10
	10	0
	0	10
	10	20
	20	30
	30	40
	40	50
	50	60



END AREA	VOLUME	CALCULATED	CHECKED
27	0	0	0
27	0	50	0
27	0	48	3
98	3	98	3

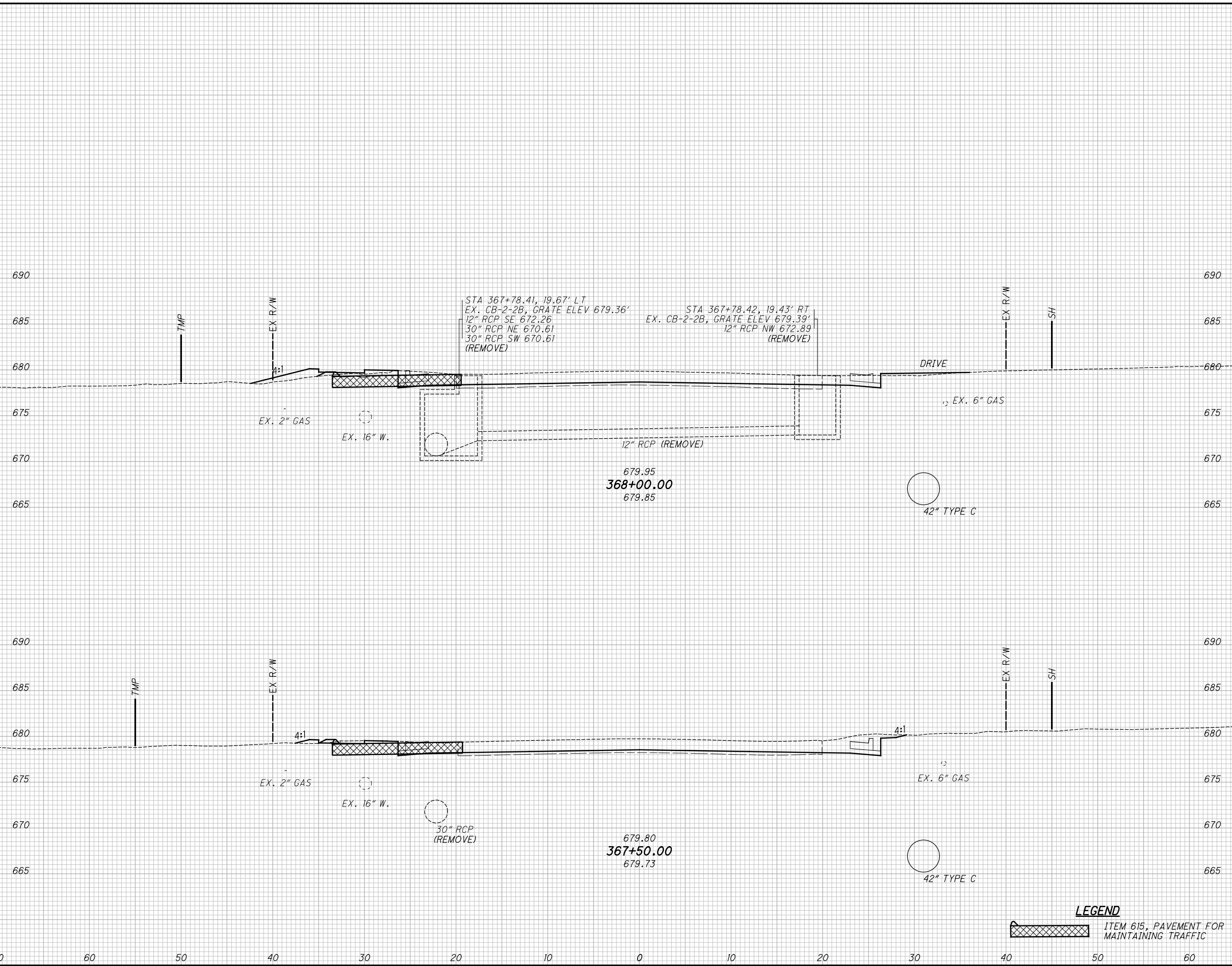
**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**PART 1**  
**STA. 366+50.00 TO STA. 367+00.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

675  
1253

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SEEDING	
END WIDTH	SO. YDS.
44770	222
60	43
50	225
40	38

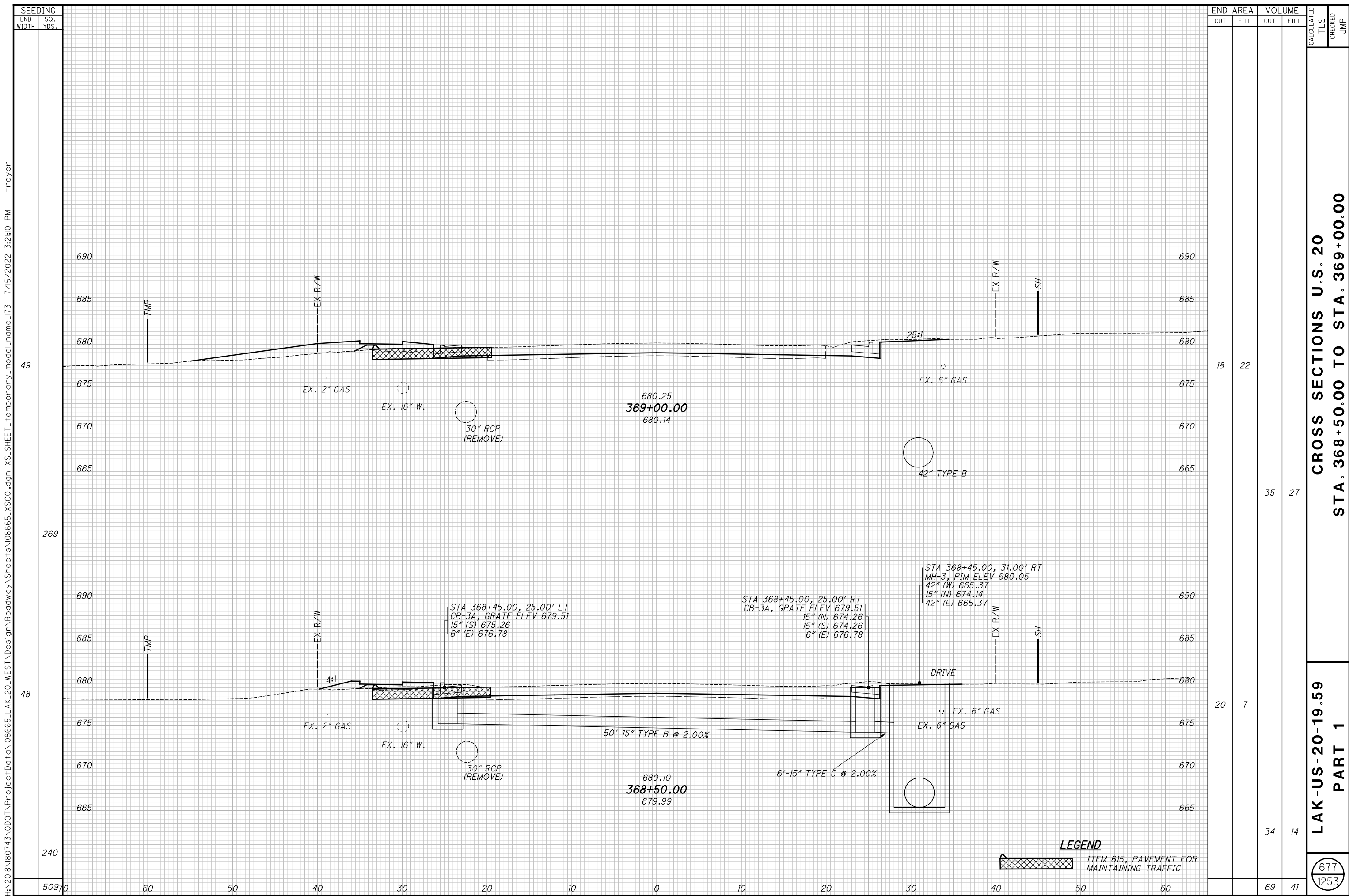


END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
17	8	36	8		
22	1	45	1		
		81	9		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 367+50.00 TO STA. 368+00.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

676  
1253



SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
49	18	22	35	27		
48	20	7	34	14		
240			69	41		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 368+50.00 TO STA. 369+00.00**

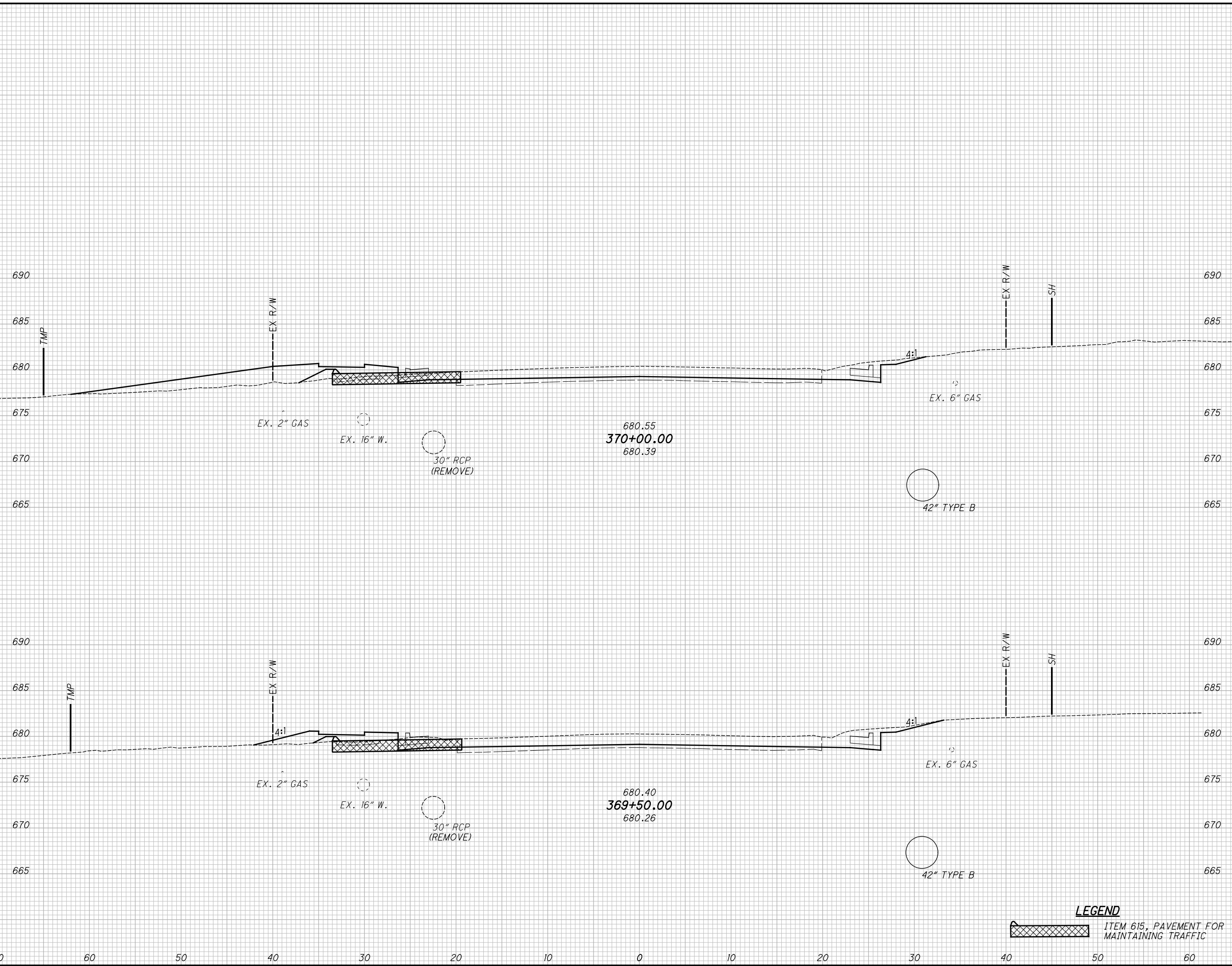
**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING	
END WIDTH	SO. YDS.
53	
286	
50	
275	
56170	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
17	42		
20	13		
		34	51
		35	32
		69	83

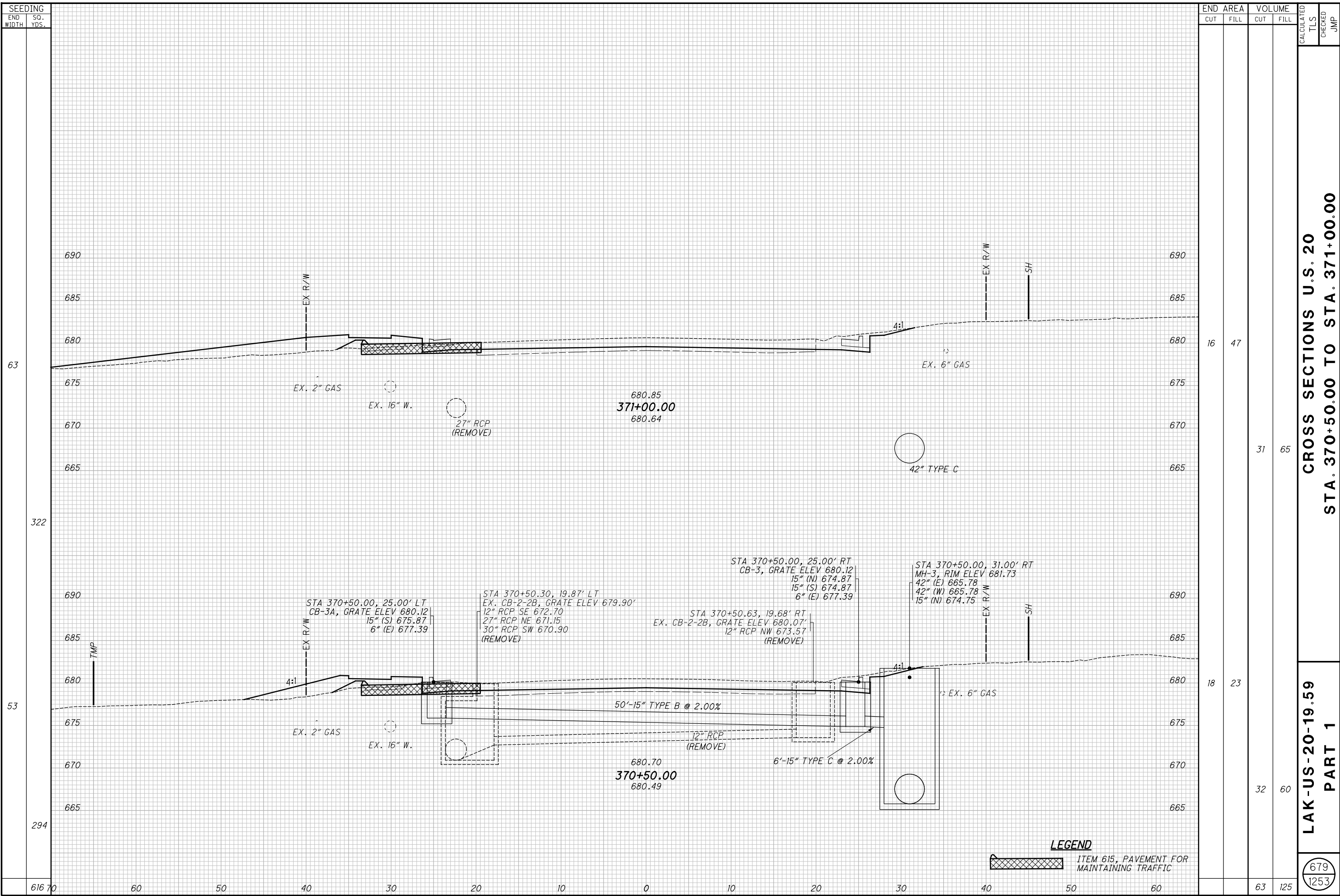
**CROSS SECTIONS U.S. 20**  
**STA. 369+50.00 TO STA. 370+00.00**

**LAK-US-20-19.59**  
**PART 1**

(678)  
 (1253)

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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SEEDING	
END WIDTH	SO. YDS.
63	
322	
53	
294	
616	70
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	

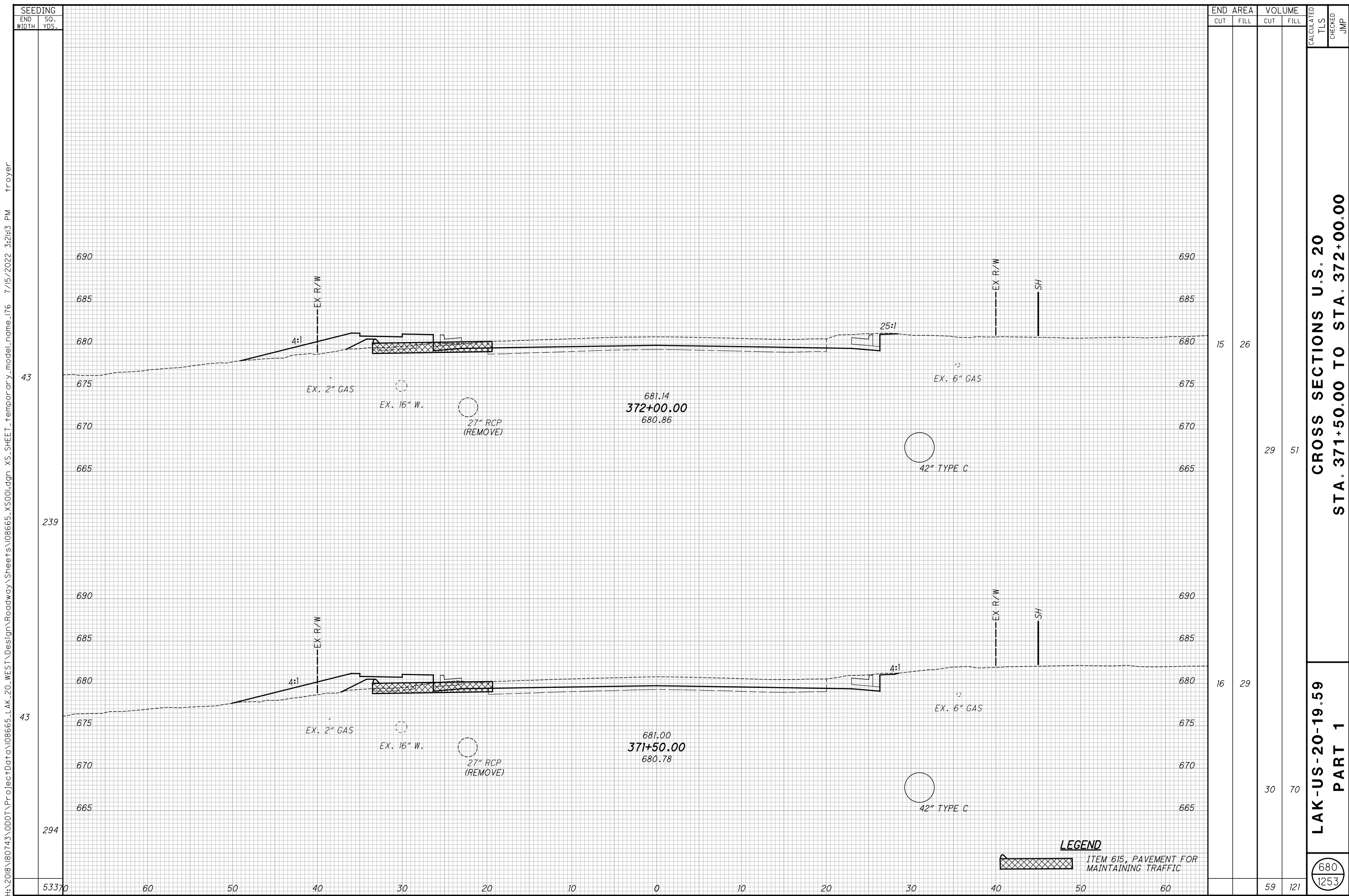
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
16	47				
		31	65		
18	23				
		32	60		
		63	125		

**CROSS SECTIONS U.S. 20  
STA. 370+50.00 TO STA. 371+00.00**

**LAK-US-20-19.59  
PART 1**

679  
1253

**LEGEND**  
ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC



SEEDING	
END WIDTH	SO. YDS.
53370	

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
15	26	29	51		
16	29	30	70		
		59	121		

**CROSS SECTIONS U.S. 20  
STA. 371+50.00 TO STA. 372+00.00**

**LAK-US-20-19.59  
PART 1**

680  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_176 7/15/2022 3:21:13 PM troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_177 7/15/2022 3:21:14 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
43	18	8	32	19		
239	17	12	30	35		
47870			62	54		



**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

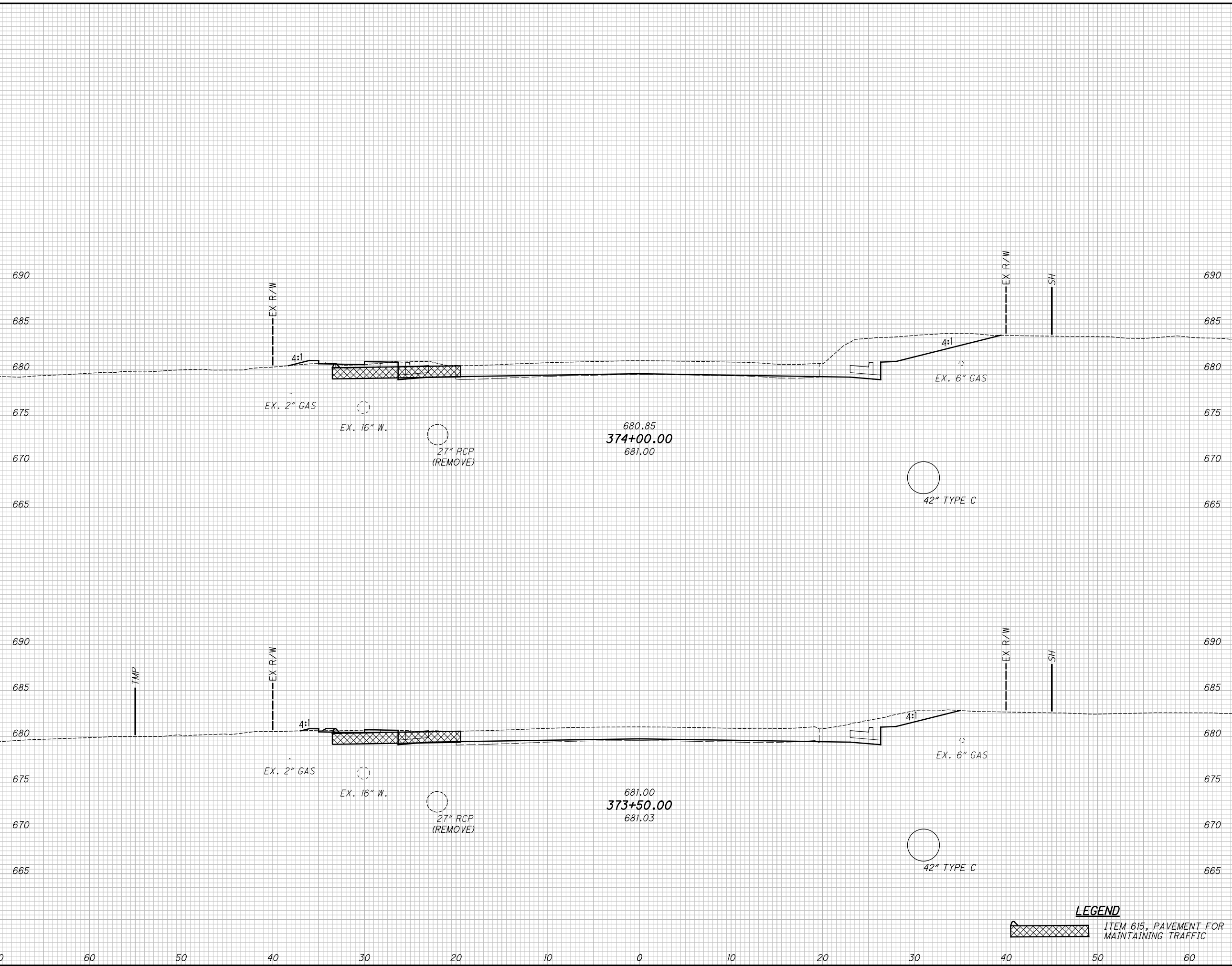
**CROSS SECTIONS U.S. 20  
 STA. 372+50.00 TO STA. 373+00.00**

**LAK-US-20-19.59  
 PART 1**

681  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_178 7/15/2022 3:21:15 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
END WIDTH	55	31	80	45			
SO. YDS.	1	0	1	7			
			125	8			

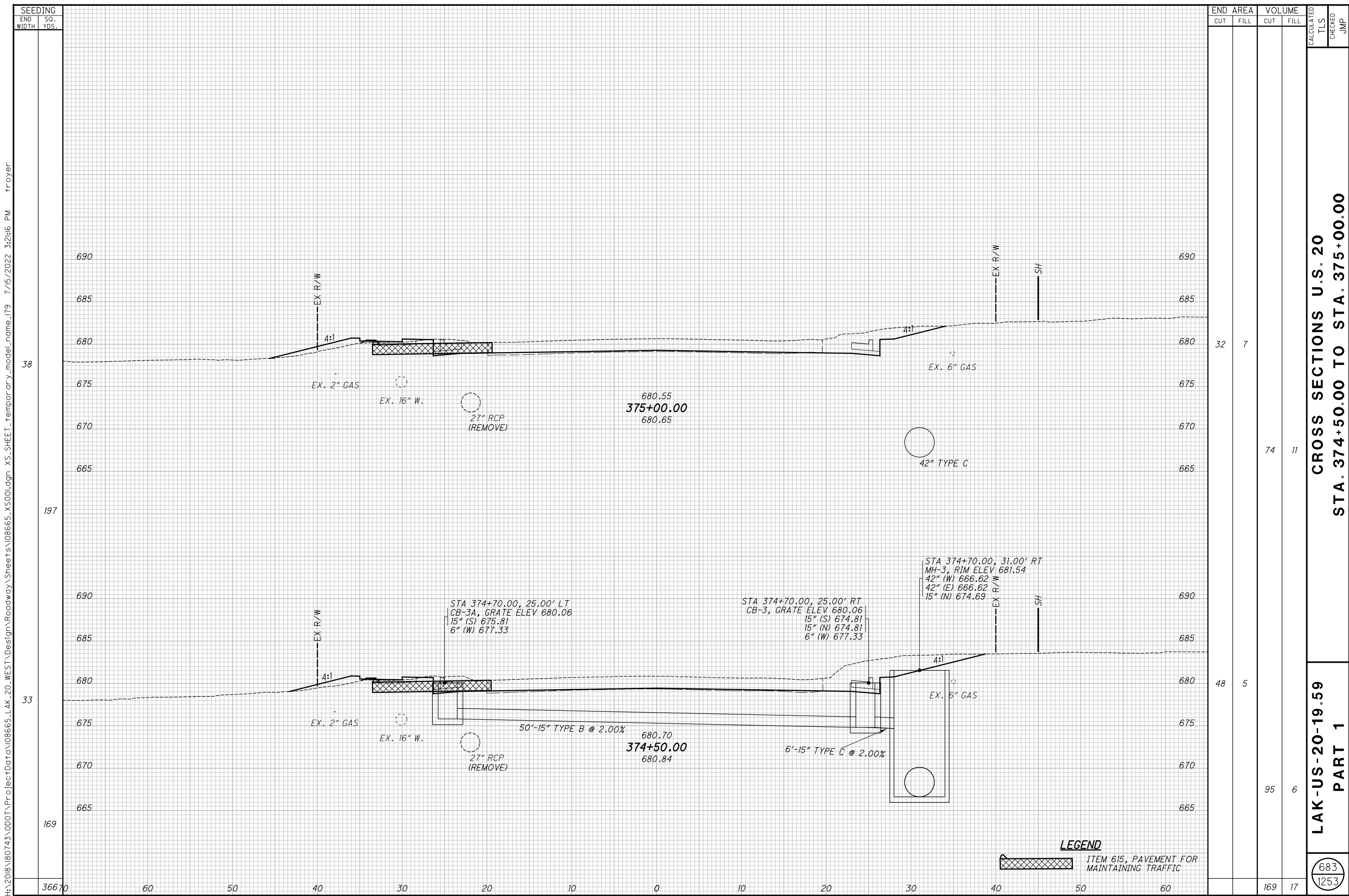


END AREA	VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL			
55	31	80			
		45			
		125			

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 373+50.00 TO STA. 374+00.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

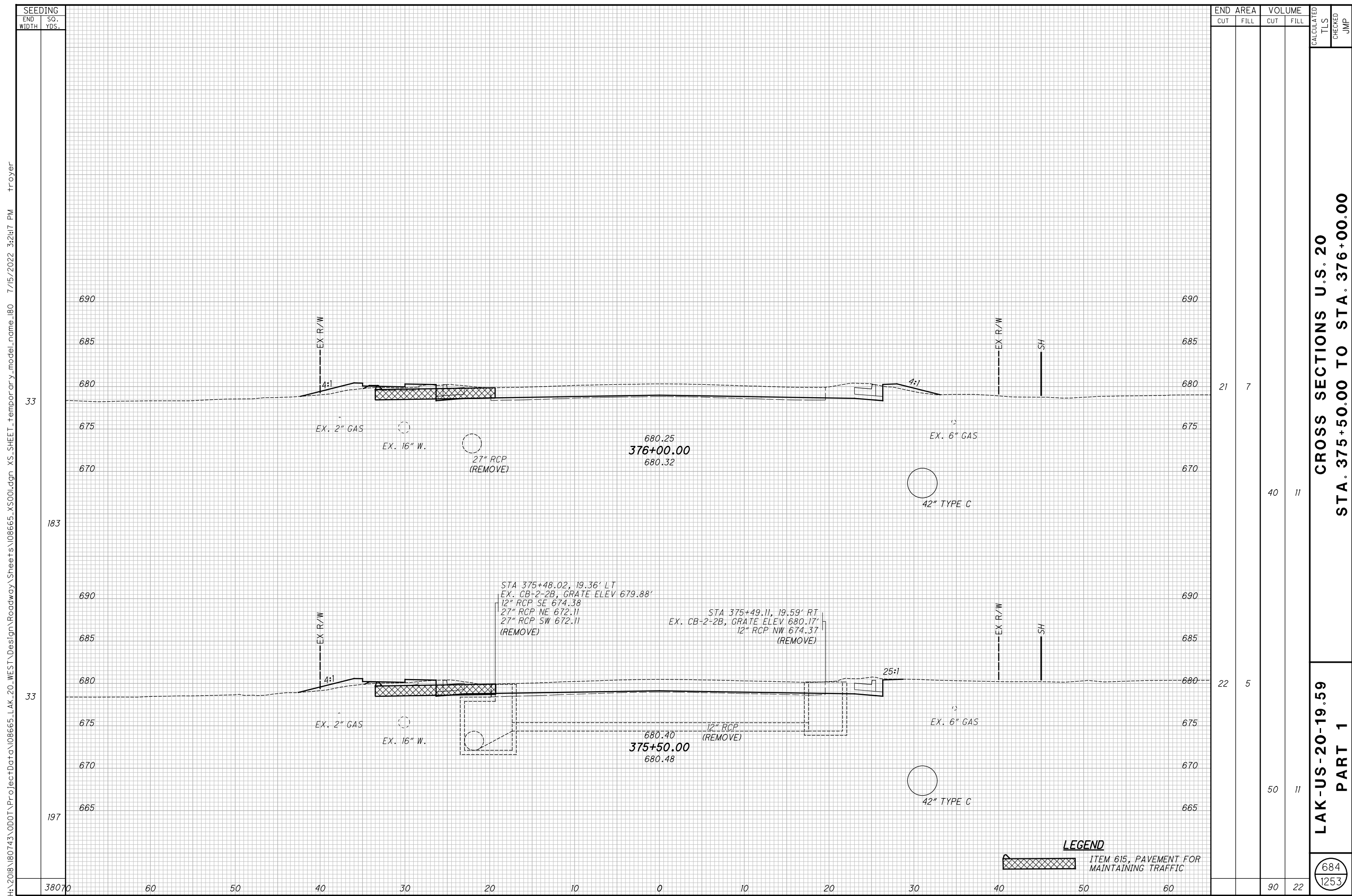
682  
1253



H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_179 7/15/2022 3:21:16 PM Troyer

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 374+50.00 TO STA. 375+00.00**

683  
1253



SEEDING	
END WIDTH	SO. YDS.
380	70
33	60
183	50
33	40
197	30
	20
	10
	0
	10
	20
	30
	40
	50
	60

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
21	7	40	11		
22	5	50	11		
		90	22		

**CROSS SECTIONS U.S. 20  
STA. 375+50.00 TO STA. 376+00.00**

**LAK-US-20-19.59  
PART 1**

684  
1253

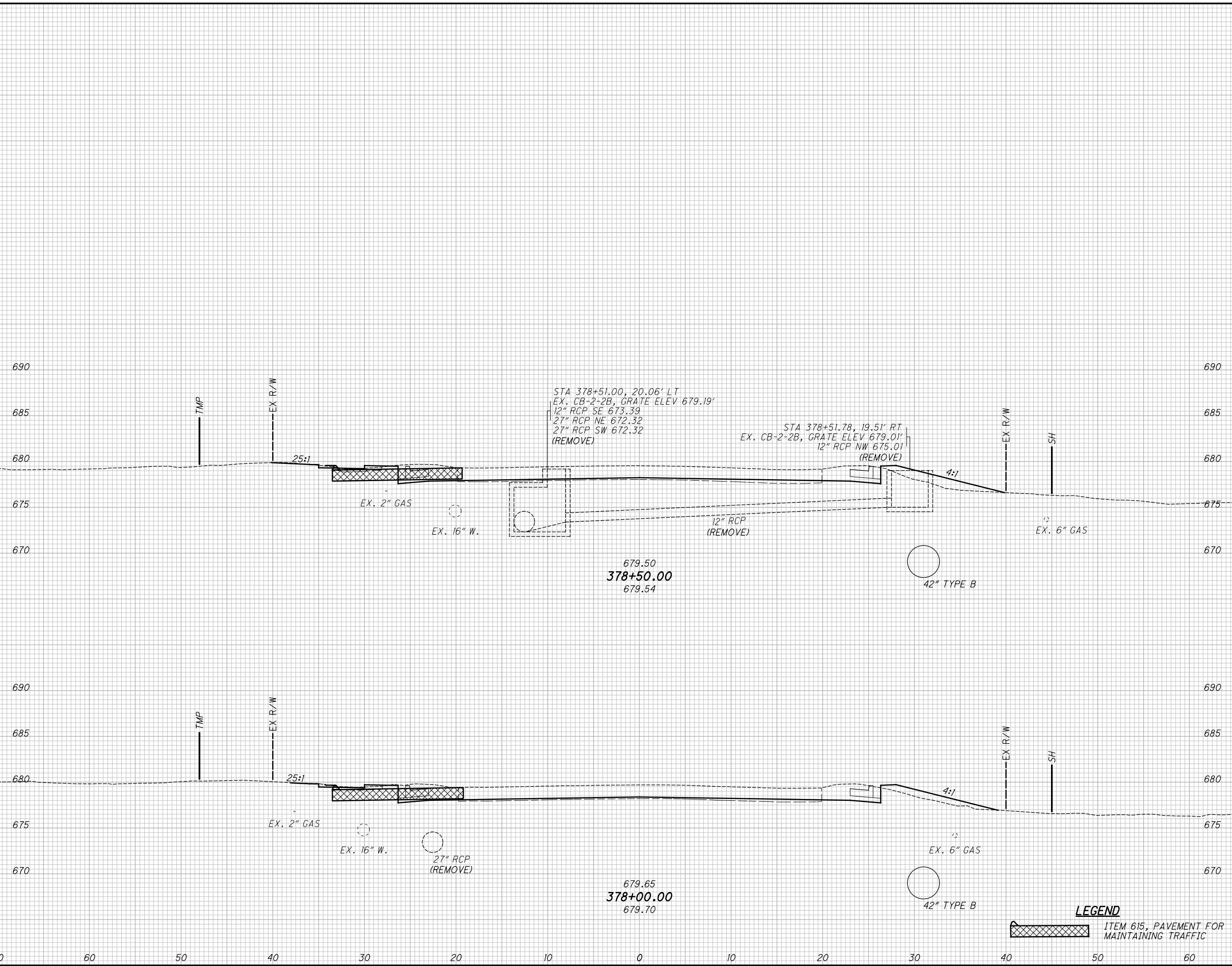
H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_180 7/15/2022 3:21:17 PM Troyer





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SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
END WIDTH							
SO. YDS.							
34			23	11			
194			43	17			
36			23	7			
192			43	8			
38670	60	50	86	25			

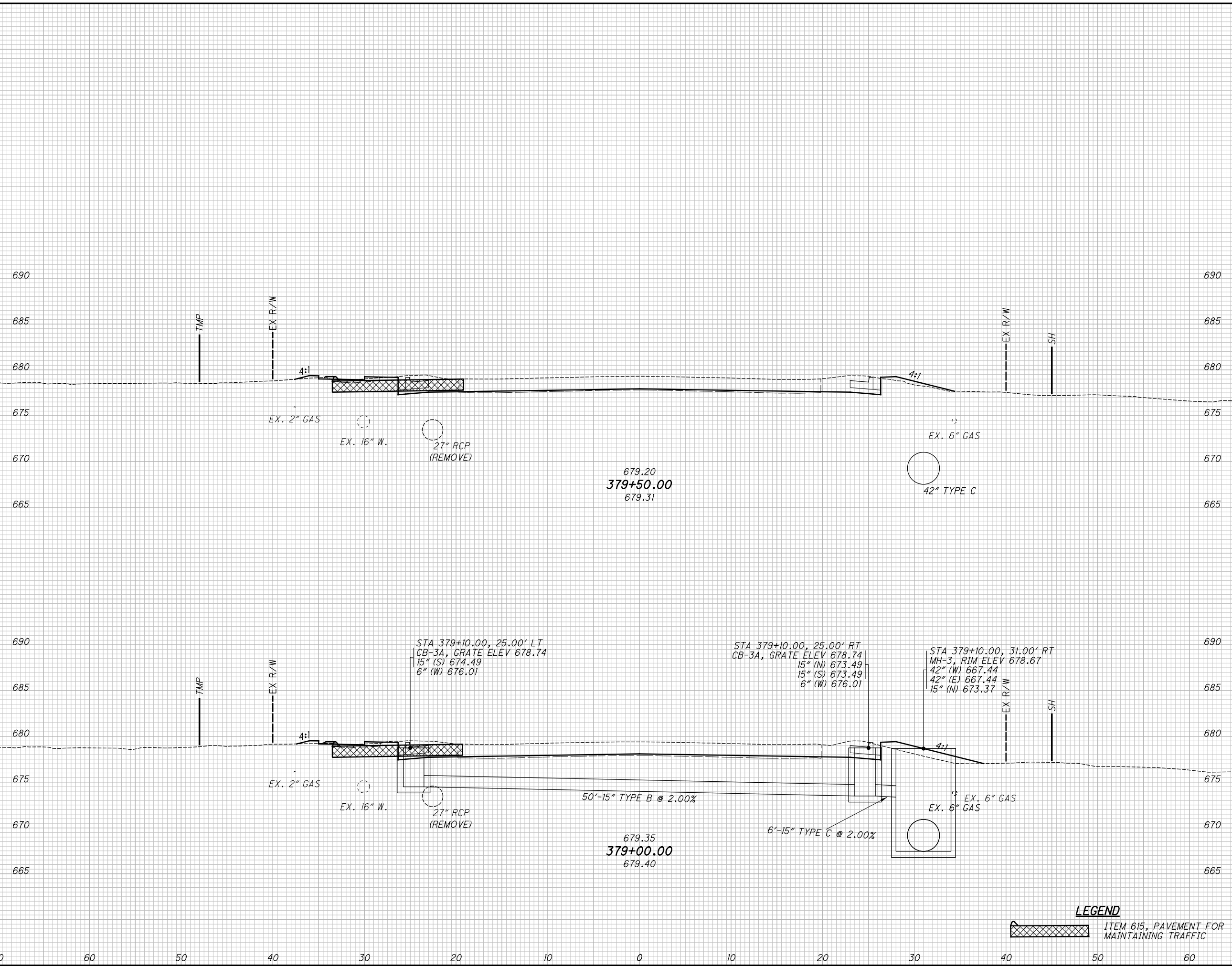


**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

**CROSS SECTIONS U.S. 20**  
**STA. 378+00.00 TO STA. 378+50.00**  
**LAK-US-20-19.59**  
**PART 1**  
 686  
 1253

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SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
END WIDTH	394	60	84	28			
SO. YDS.	36	200	36	194			



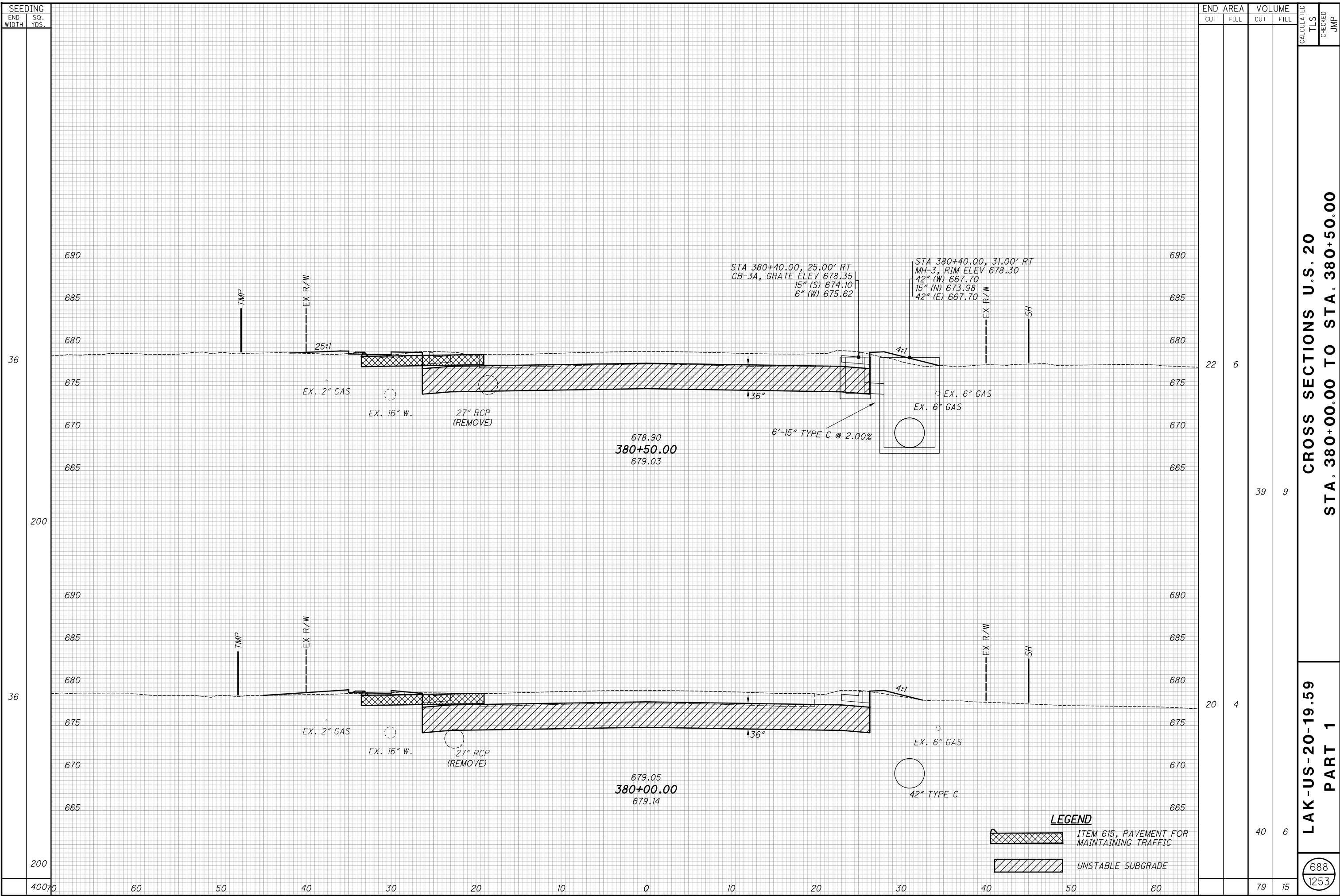
END AREA	VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL			
23	3	42			
22	8	42			
84	28	18			

**CROSS SECTIONS U.S. 20**  
**STA. 379+00.00 TO STA. 379+50.00**  
**LAK-US-20-19.59**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

687  
1253

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SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	TLS	JMP	TLS	JMP
36		22	6	39	9				
200									
36		20	4	40	6				
200									
400	70			79	15				

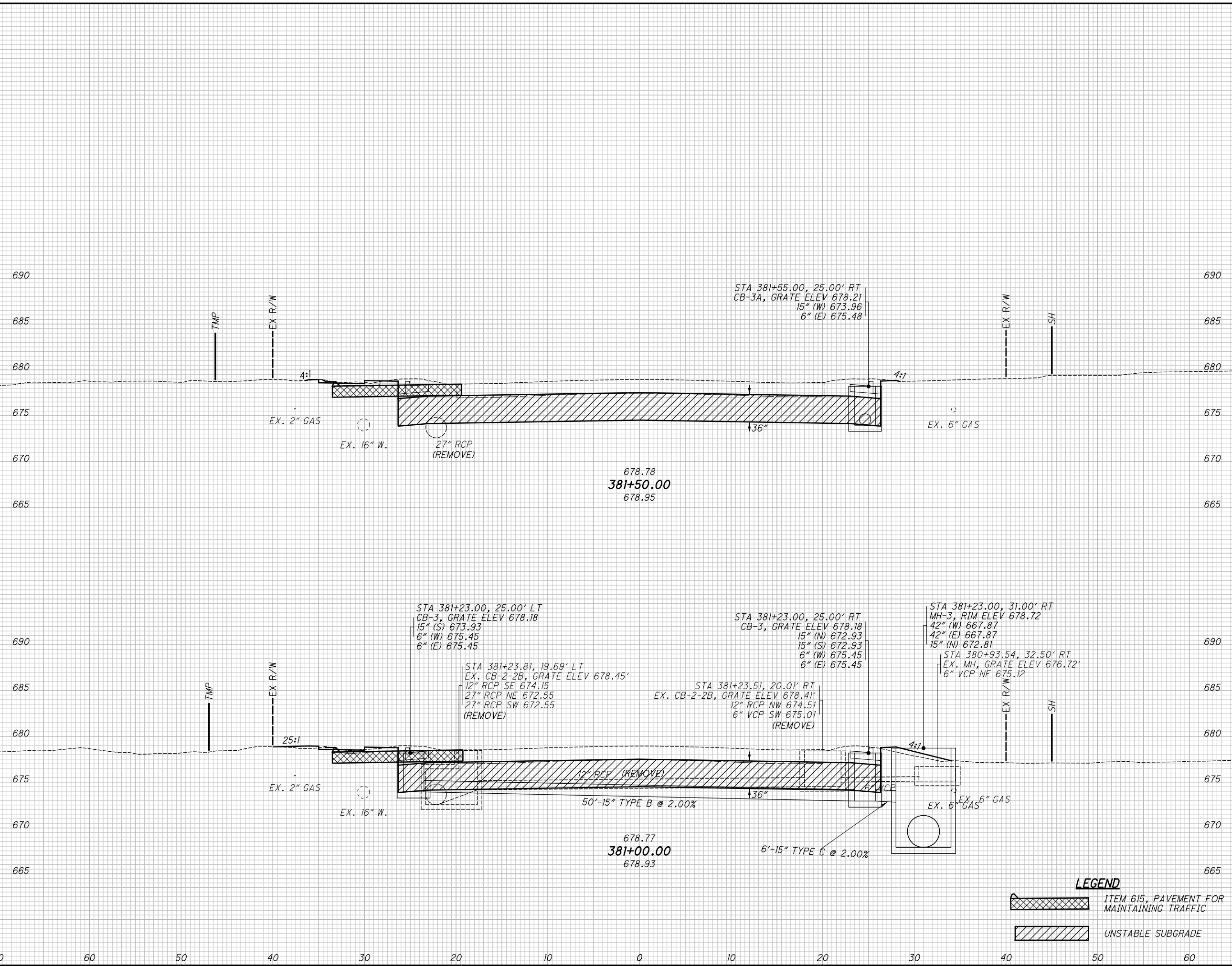
CROSS SECTIONS U.S. 20  
STA. 380+00.00 TO STA. 380+50.00

LAK-US-20-19.59  
PART 1

688  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name.185 7/15/2022 3:21:23 PM Troyer

SEEDING	
END WIDTH	SO. YDS.
34	192
35	197



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
24	0	43	4		
		41	9		
		84	13		

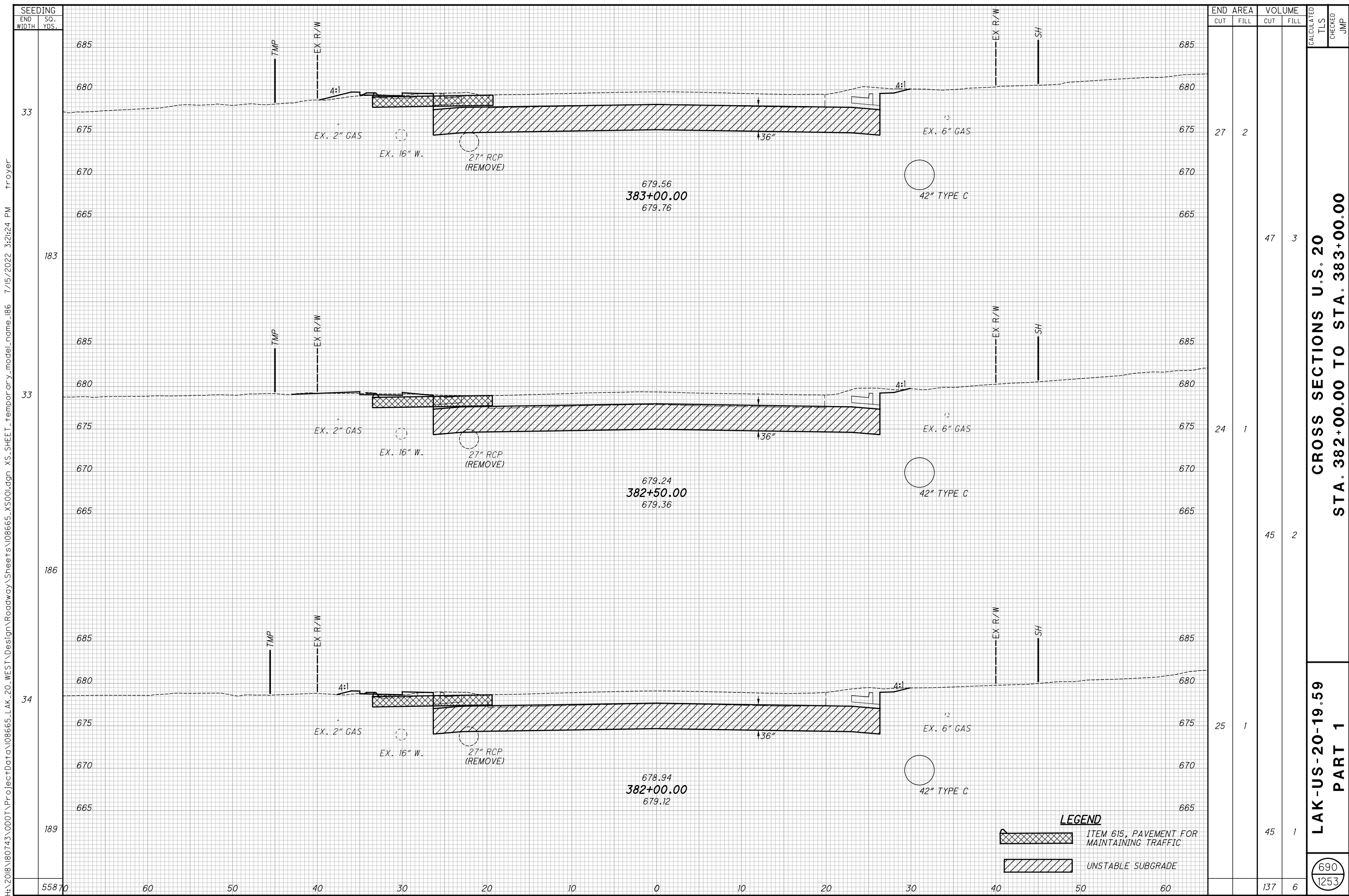
CROSS SECTIONS U.S. 20  
STA. 381+00.00 TO STA. 381+50.00

LAK-US-20-19.59  
PART 1

689  
1253

**LEGEND**

- ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC
- UNSTABLE SUBGRADE



SEEDING  
END WIDTH SO. YDS.  
33  
183  
33  
186  
34  
189  
558 70 60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
27	2	47	3		
24	1	45	2		
25	1	45	1		
		137	6		

CROSS SECTIONS U.S. 20  
STA. 382+00.00 TO STA. 383+00.00

LAK-US-20-19.59  
PART 1

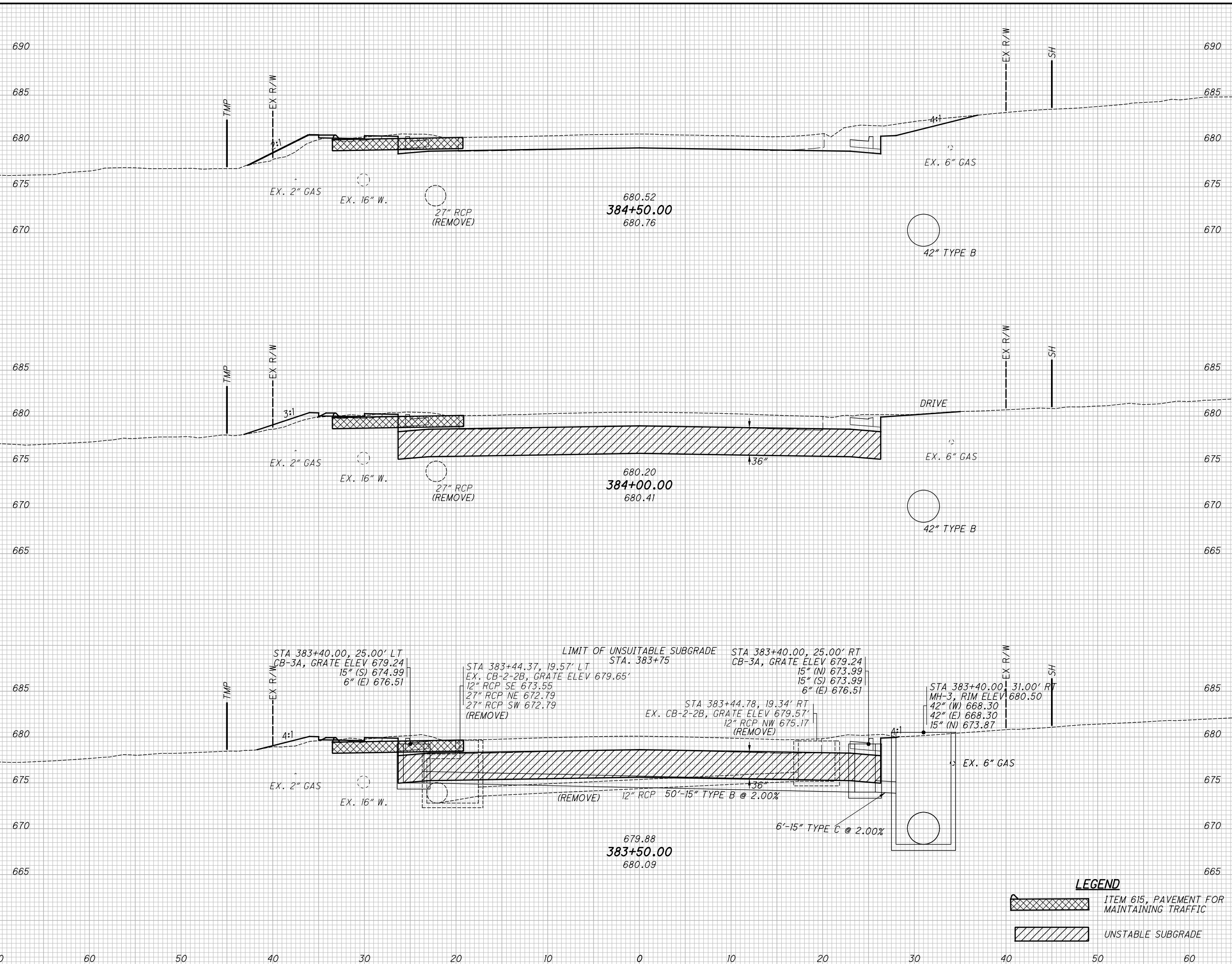
690  
1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC  
 UNSTABLE SUBGRADE

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name.186 7/15/2022 3:21:24 PM Troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name.187 7/15/2022 3:21:25 PM Troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
34	37	6					
186			56	9			
33	23	4					
183			44	6			
33	25	3					
183			48	5			
55270	148	20					



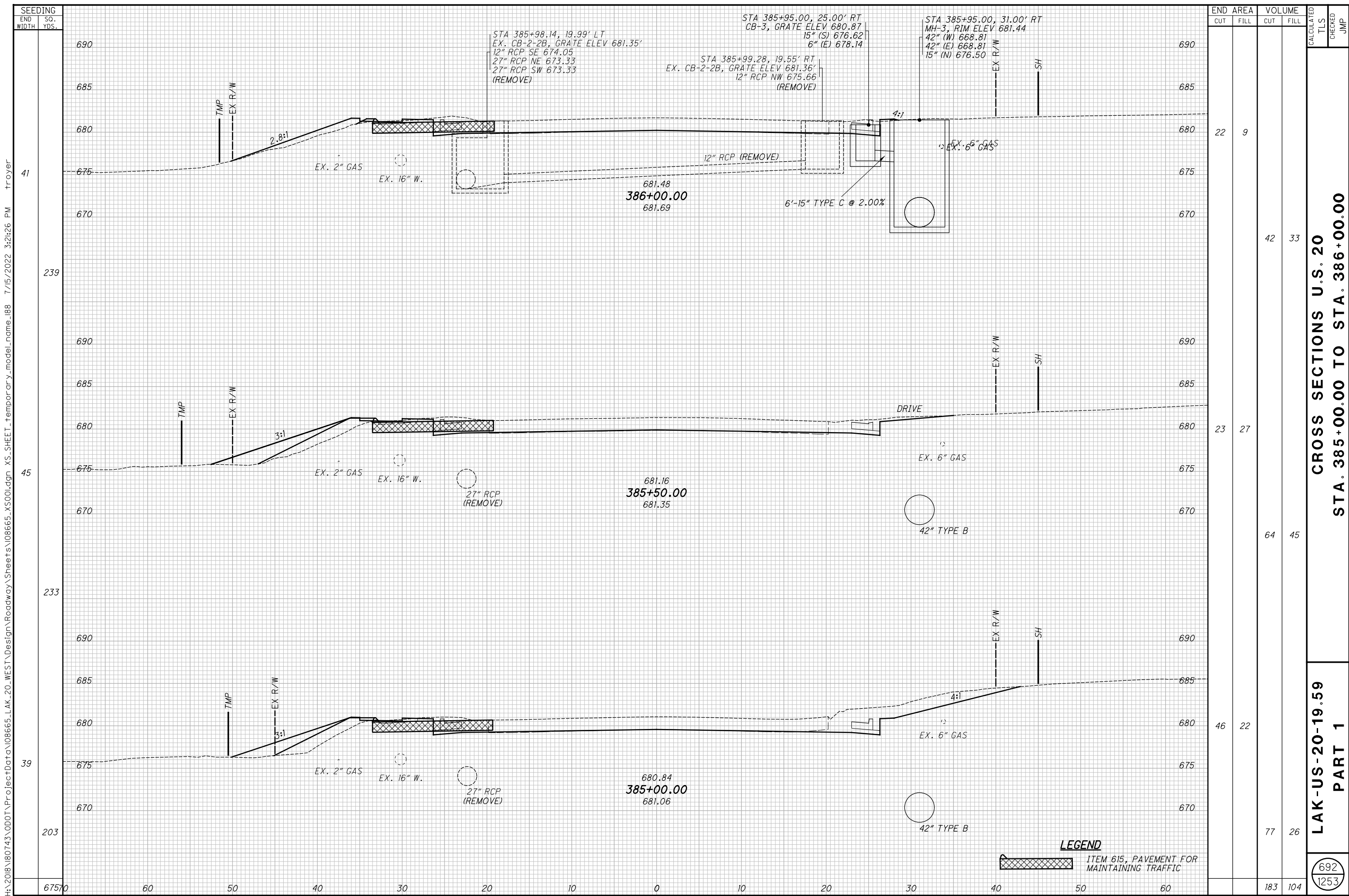
SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
34	37	6					
186			56	9			
33	23	4					
183			44	6			
33	25	3					
183			48	5			
55270	148	20					

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 383+50.00 TO STA. 384+50.00**

**LEGEND**

- ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC
- UNSTABLE SUBGRADE

691  
1253



SEEDING	
END WIDTH	SO. YDS.
41	41
239	239
45	45
233	233
39	39
203	203

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
22	9	42	33		
23	27	64	45		
46	22	77	26		
		183	104		

**CROSS SECTIONS U.S. 20**  
**STA. 385+00.00 TO STA. 386+00.00**

**LAK-US-20-19.59**  
**PART 1**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

692  
1253

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SEEDING  
 END WIDTH SO. YDS.  
 64170 60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
34	2	51	6		
21	4	38	6		
20	2	39	10		
		128	22		

**LAK-US-20-19.59**  
**CROSS SECTIONS U.S. 20**  
**STA. 386+50.00 TO STA. 387+50.00**  
**PART 1**

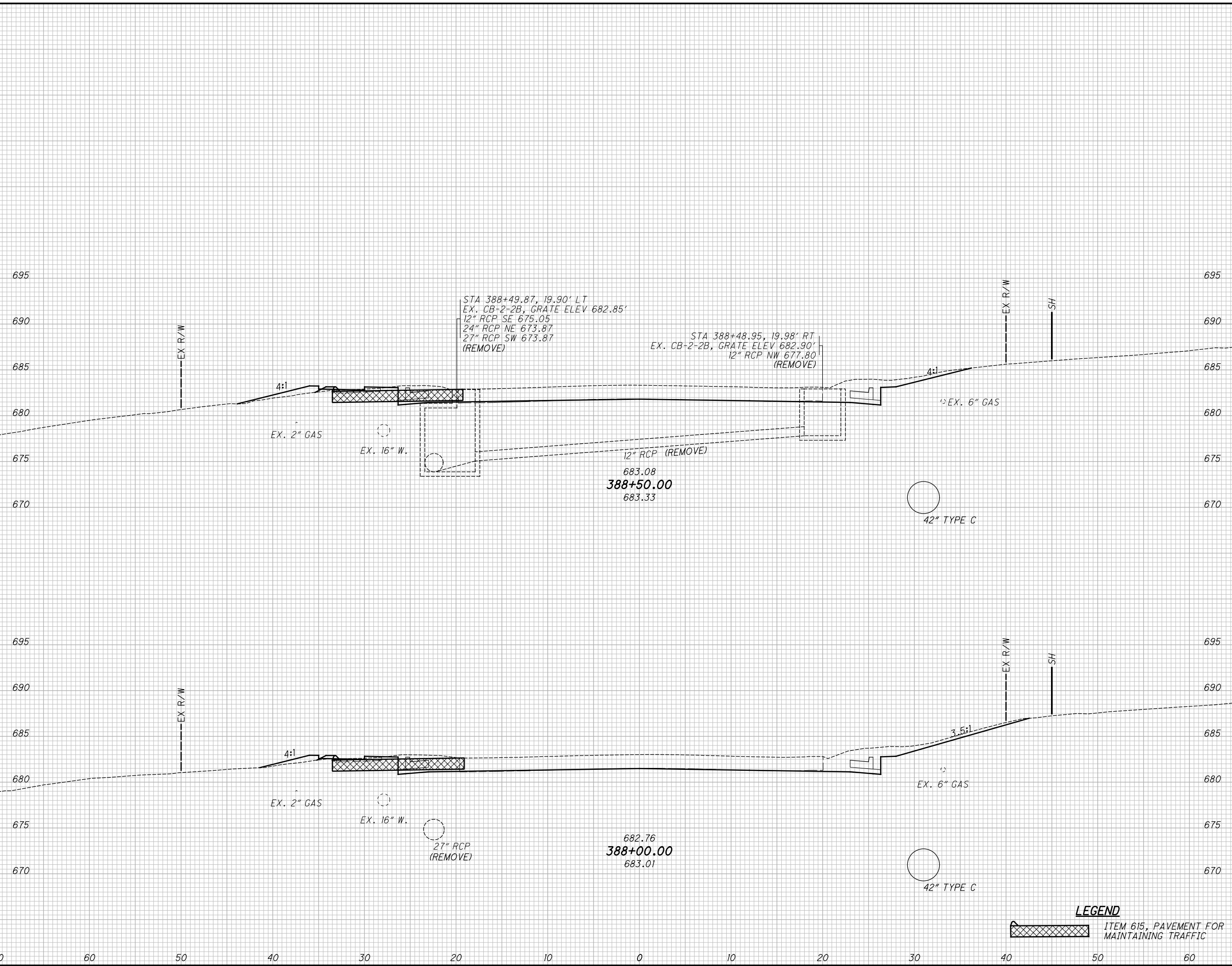
693  
1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_189 7/15/2022 3:21:28 PM Troyer



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SEEDING	
END WIDTH	SO. YDS.
42270	
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	



END AREA	VOLUME	CALCULATED	CHECKED
32	4		
62	6		
35	3		
64	5		
126	11		

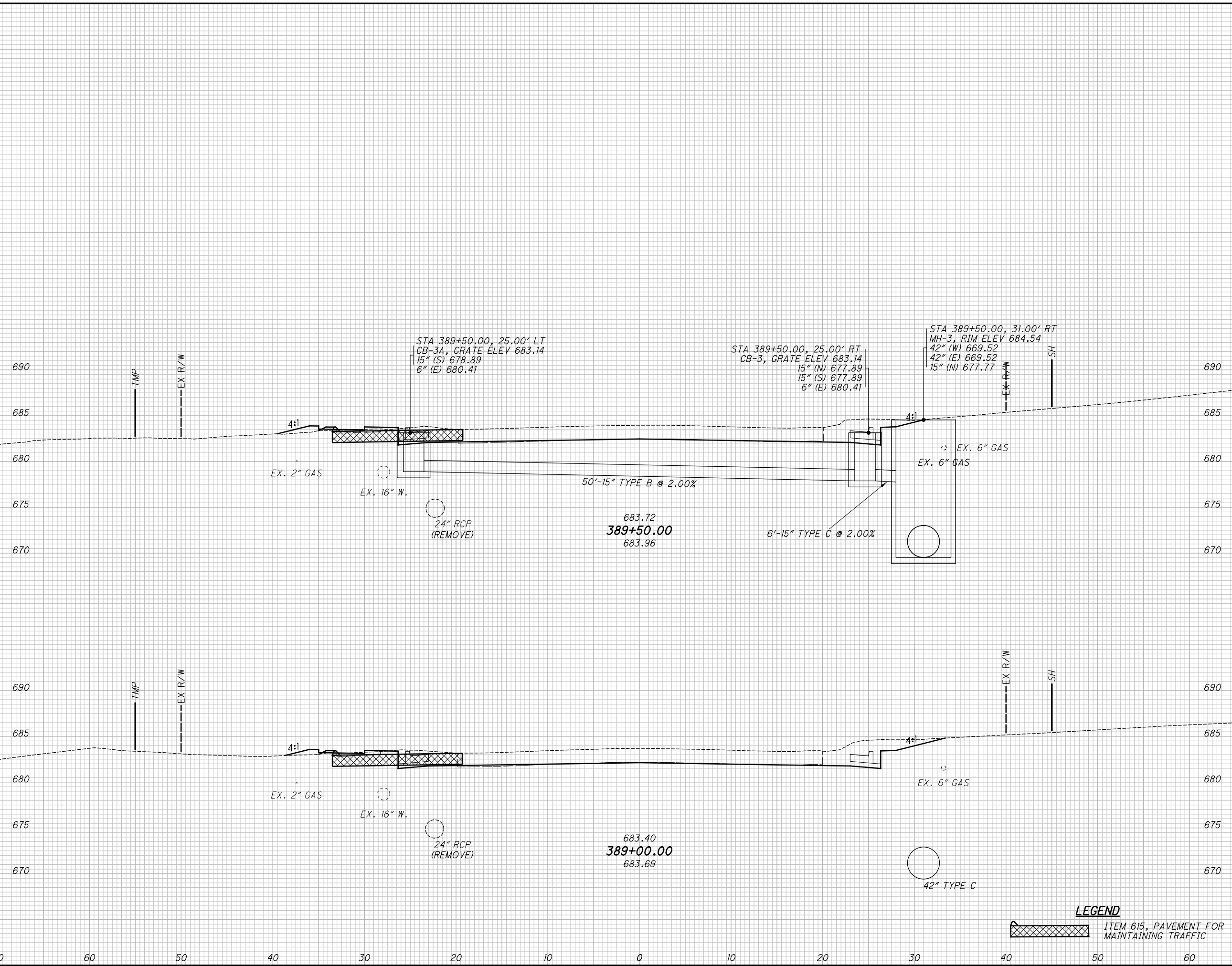
**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 388+00.00 TO STA. 388+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

694  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1\_Temporary\_model\_name\_191 7/15/2022 3:21:30 PM Troyer

SEEDING	
END WIDTH	SO. YDS.
43	
239	
43	
225	
46470	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
28	3		
		56	5
32	2		
		59	6
		115	11

**CROSS SECTIONS U.S. 20**  
**STA. 389+00.00 TO STA. 389+50.00**  
**LAK-US-20-19.59**  
**PART 1**  
 CALCULATED TLS  
 CHECKED JMP  
 695  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

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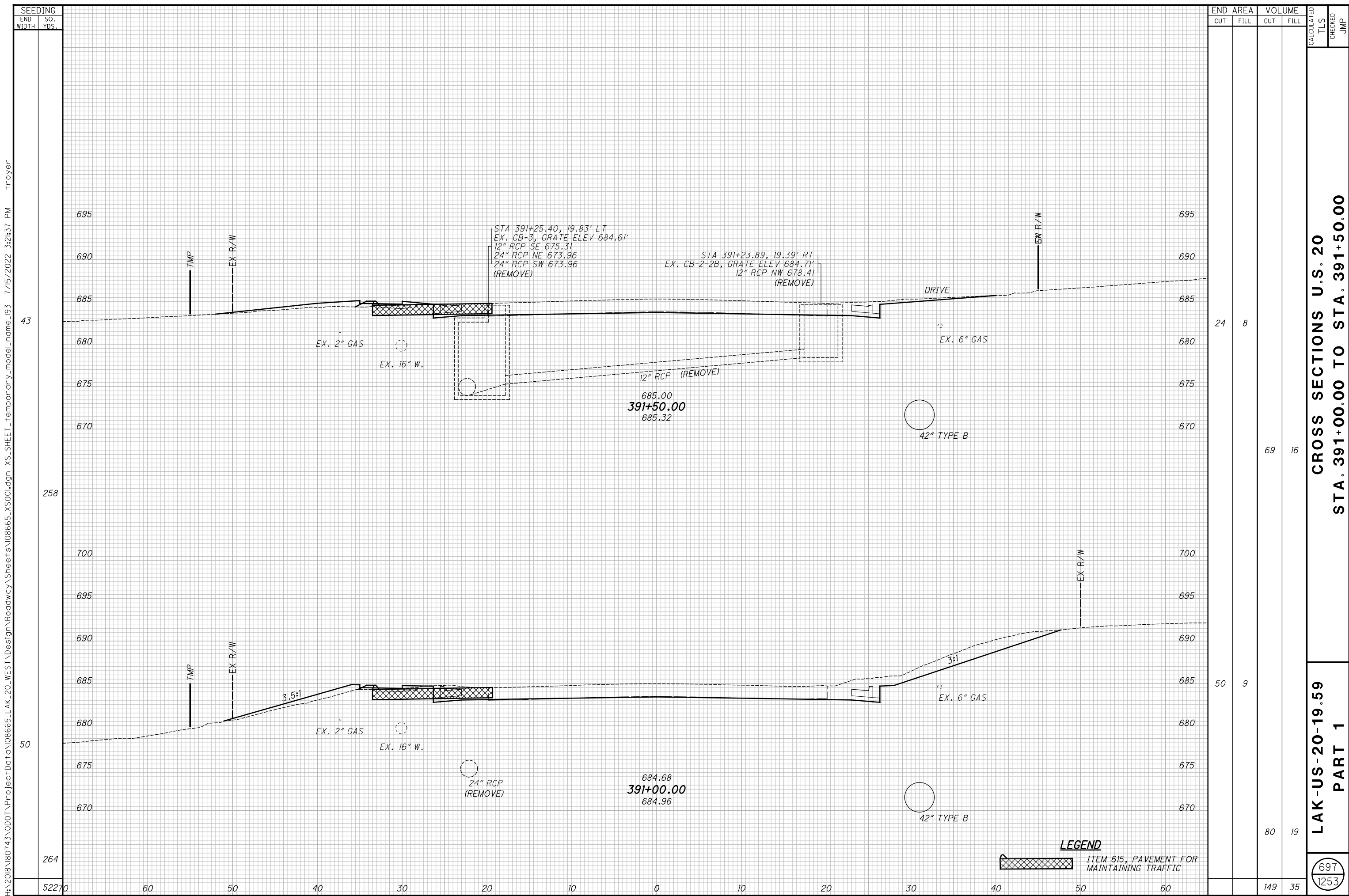


**LEGEND**  
 [Hatched Box] ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	END WIDTH	SO. YDS.	CUT	FILL		
45	36	12	66	26		
44	35	16	58	18		
42			124	44		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 390+00.00 TO STA. 390+50.00**

696  
1253



SEEDING	
END WIDTH	SO. YDS.
43	43
258	258
50	50
264	264
52270	52270

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
24	8	69	16		
50	9	80	19		
		149	35		

**CROSS SECTIONS U.S. 20**  
**STA. 391+00.00 TO STA. 391+50.00**

**LAK-US-20-19.59**  
**PART 1**

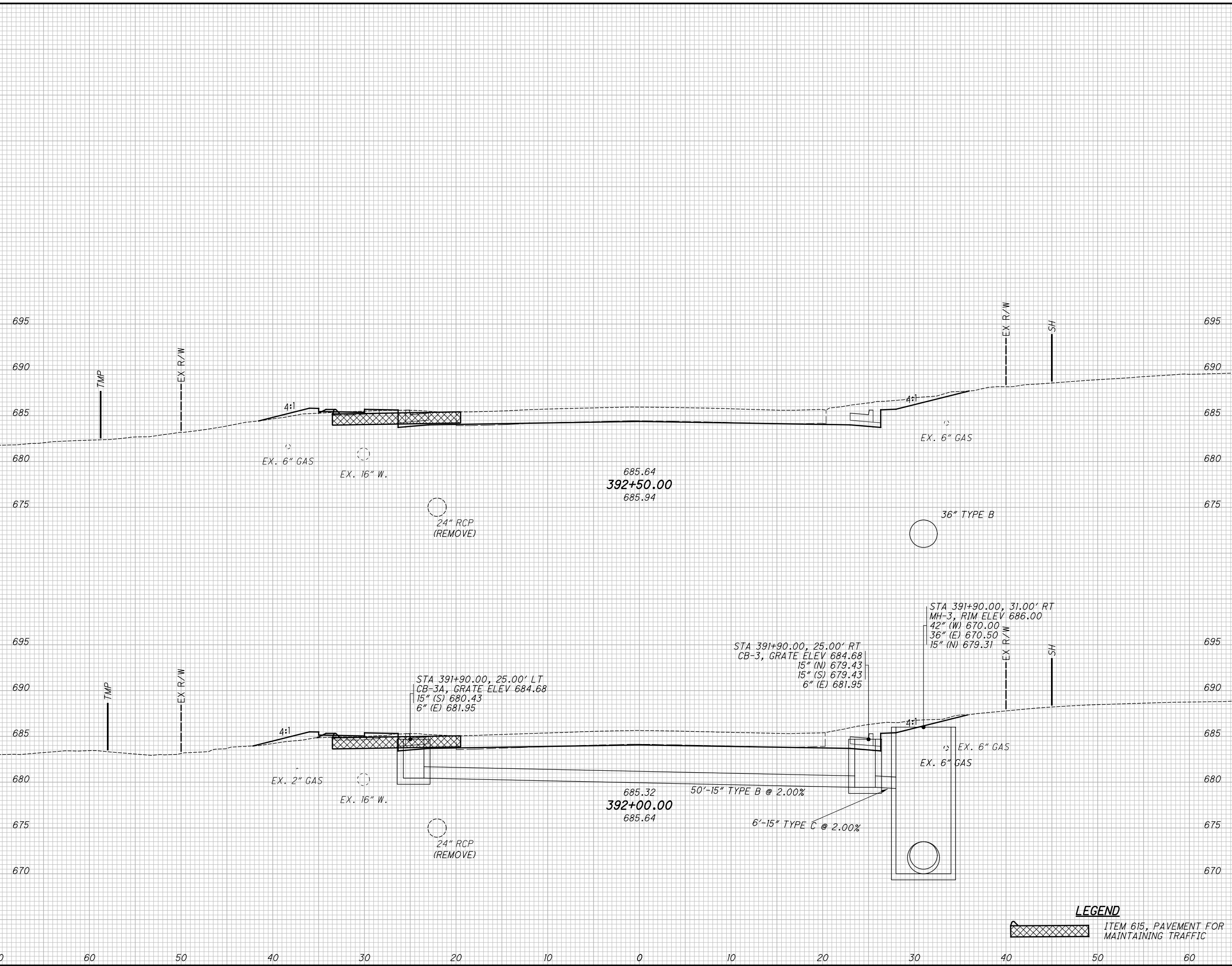
697  
 1253

**LEGEND**  
 [Hatched Box] ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_193 7/15/2022 3:21:37 PM troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_194 7/15/2022 3:21:49 PM Troyer

SEEDING	
END WIDTH	SO. YDS.
50870	247
60	46
50	261
40	48

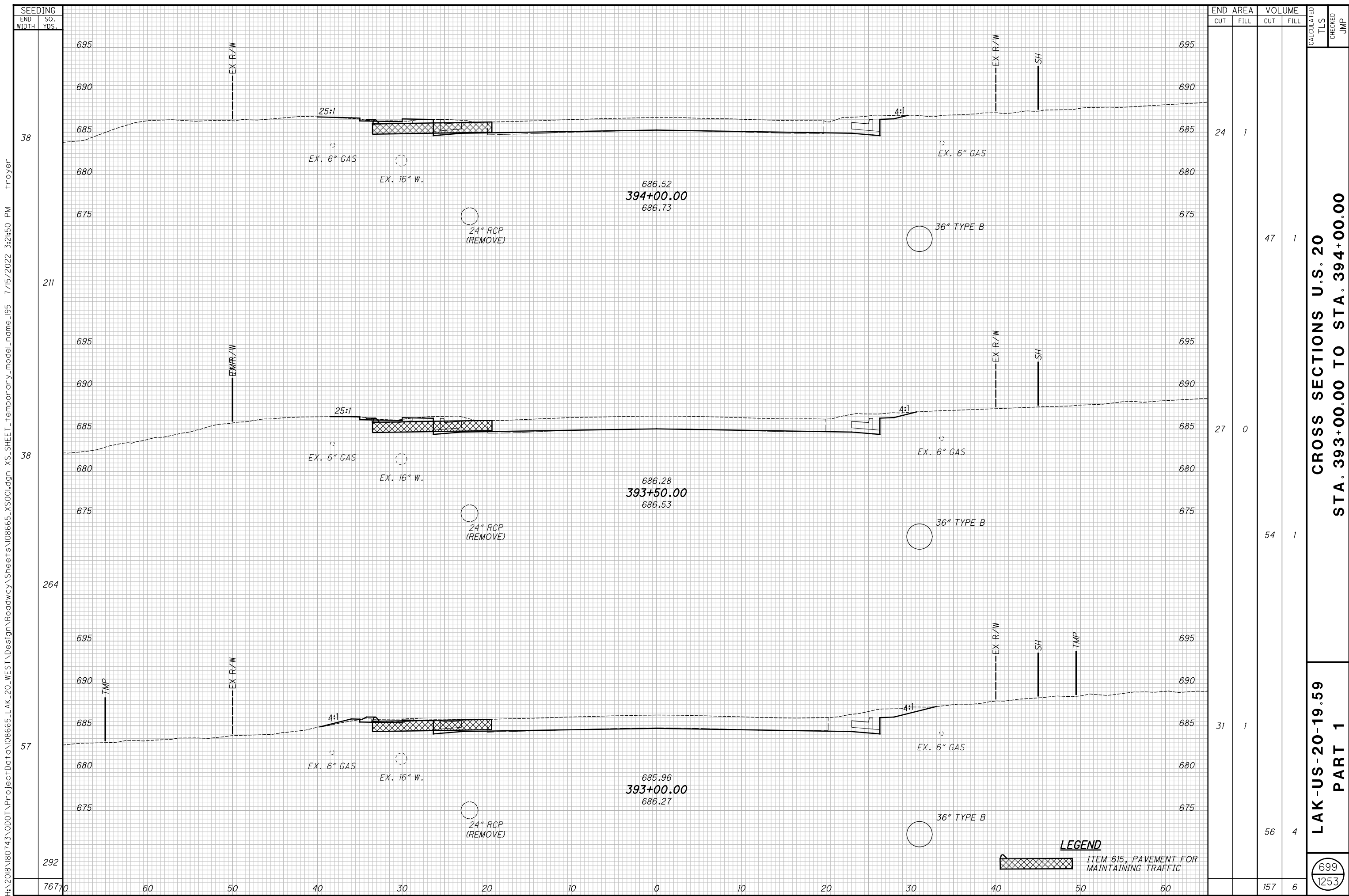


END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
30	3	57	7		
32	5	52	12		
		109	19		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 392+00.00 TO STA. 392+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

698  
1253



SEEDING  
 END SO.  
 WIDTH YDS.  
 38  
 211  
 38  
 264  
 57  
 292  
 7670

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
24	1				
		47	1		
27	0				
		54	1		
31	1				
		56	4		
		157	6		

CROSS SECTIONS U.S. 20  
 STA. 393+00.00 TO STA. 394+00.00

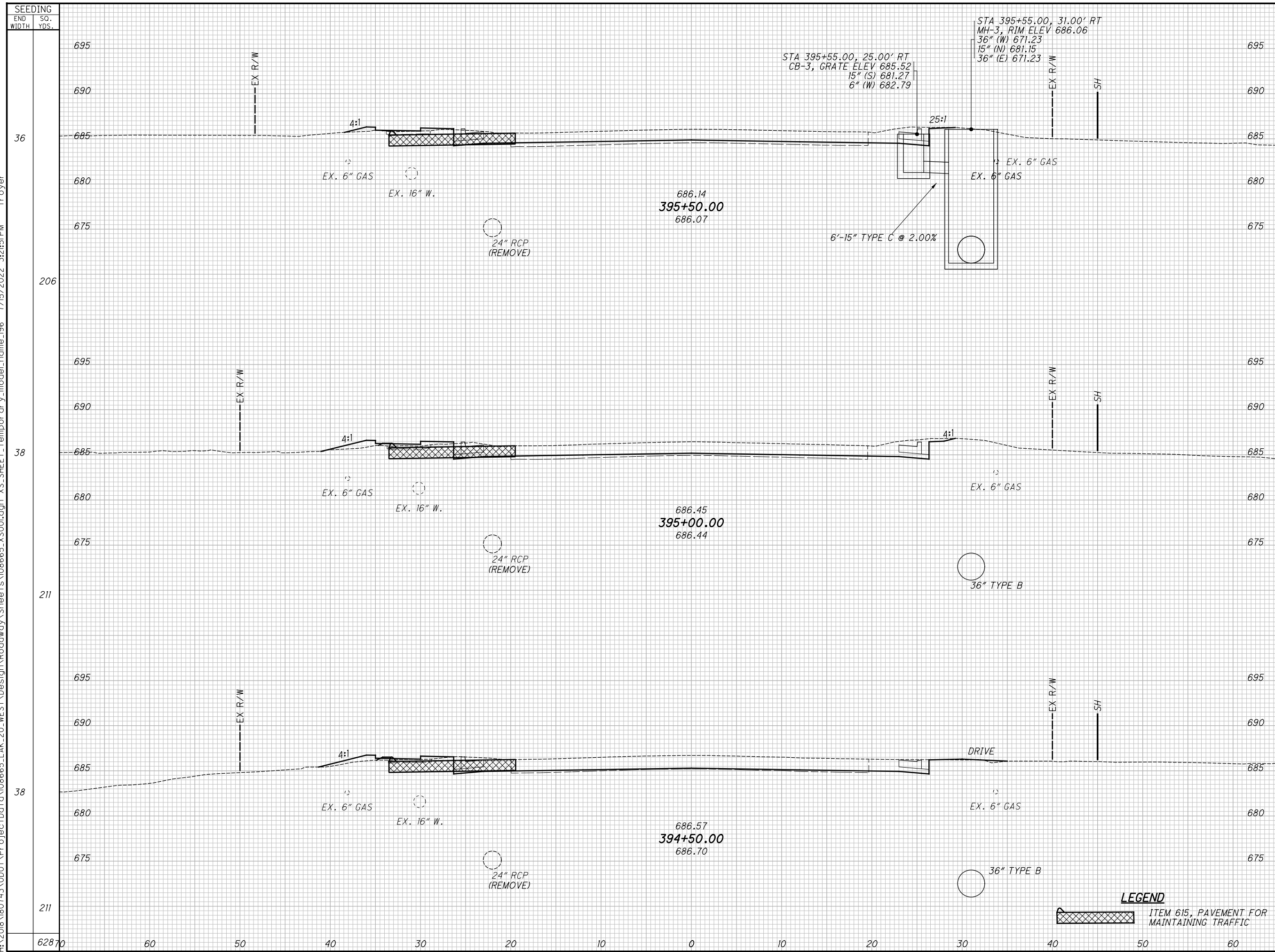
LAK-US-20-19.59  
 PART 1

699  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR  
 MAINTAINING TRAFFIC

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET temporary\_model\_195 7/15/2022 3:21:50 PM Troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_196 7/15/2022 3:21:51 PM troyer



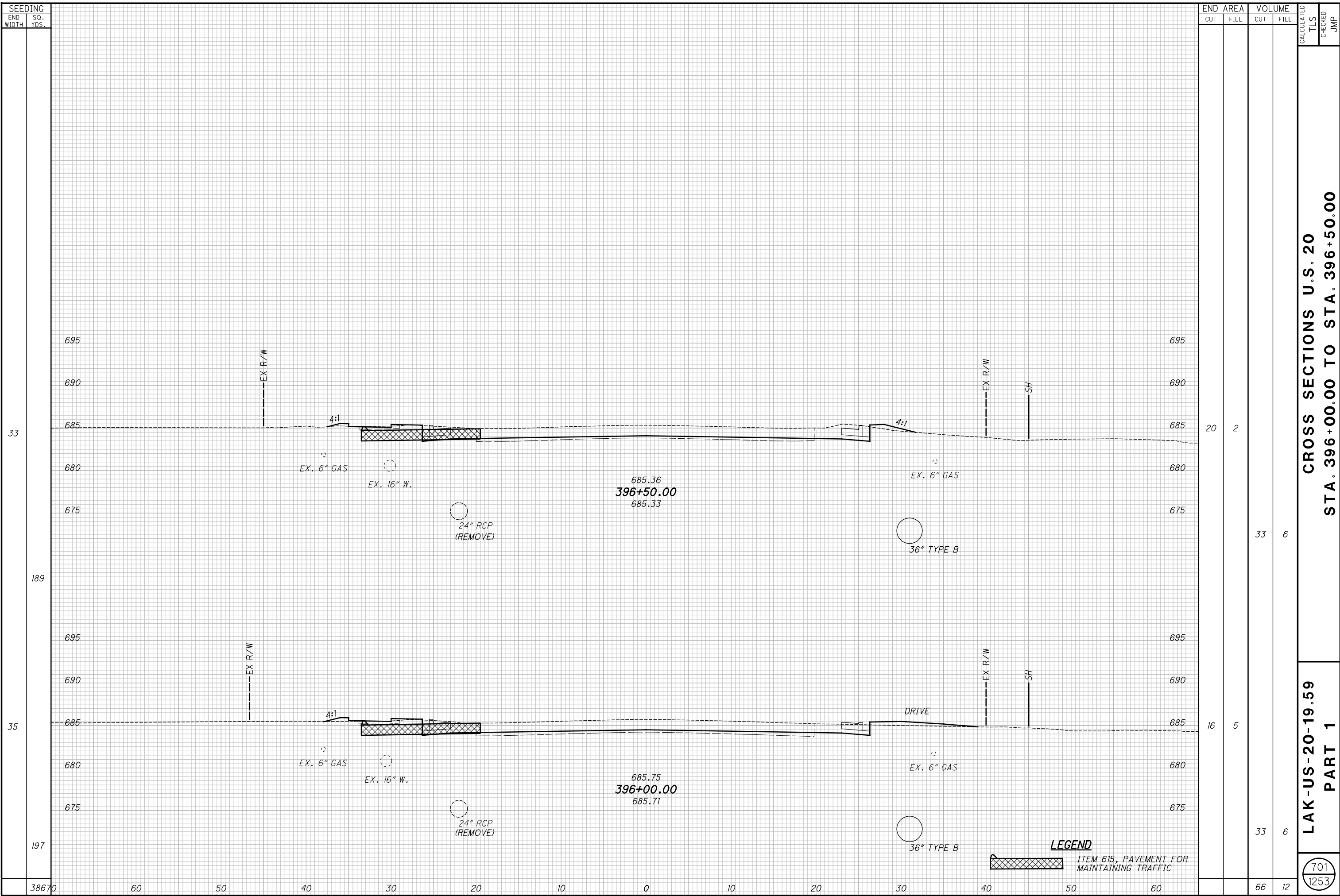
END STA	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
394+50.00	19	4	40	5		
395+00.00	21	5	37	8		
395+50.00	20	2	38	6		
<b>TOTAL</b>	<b>60</b>	<b>11</b>	<b>115</b>	<b>19</b>		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 394+50.00 TO STA. 395+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

700  
1253

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**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
END WIDTH						
SO. YDS.						
33	20	2				
189			33	6		
35	16	5				
197			33	6		
38670	60	50	66	12		

**CROSS SECTIONS U.S. 20**  
**STA. 396+00.00 TO STA. 396+50.00**

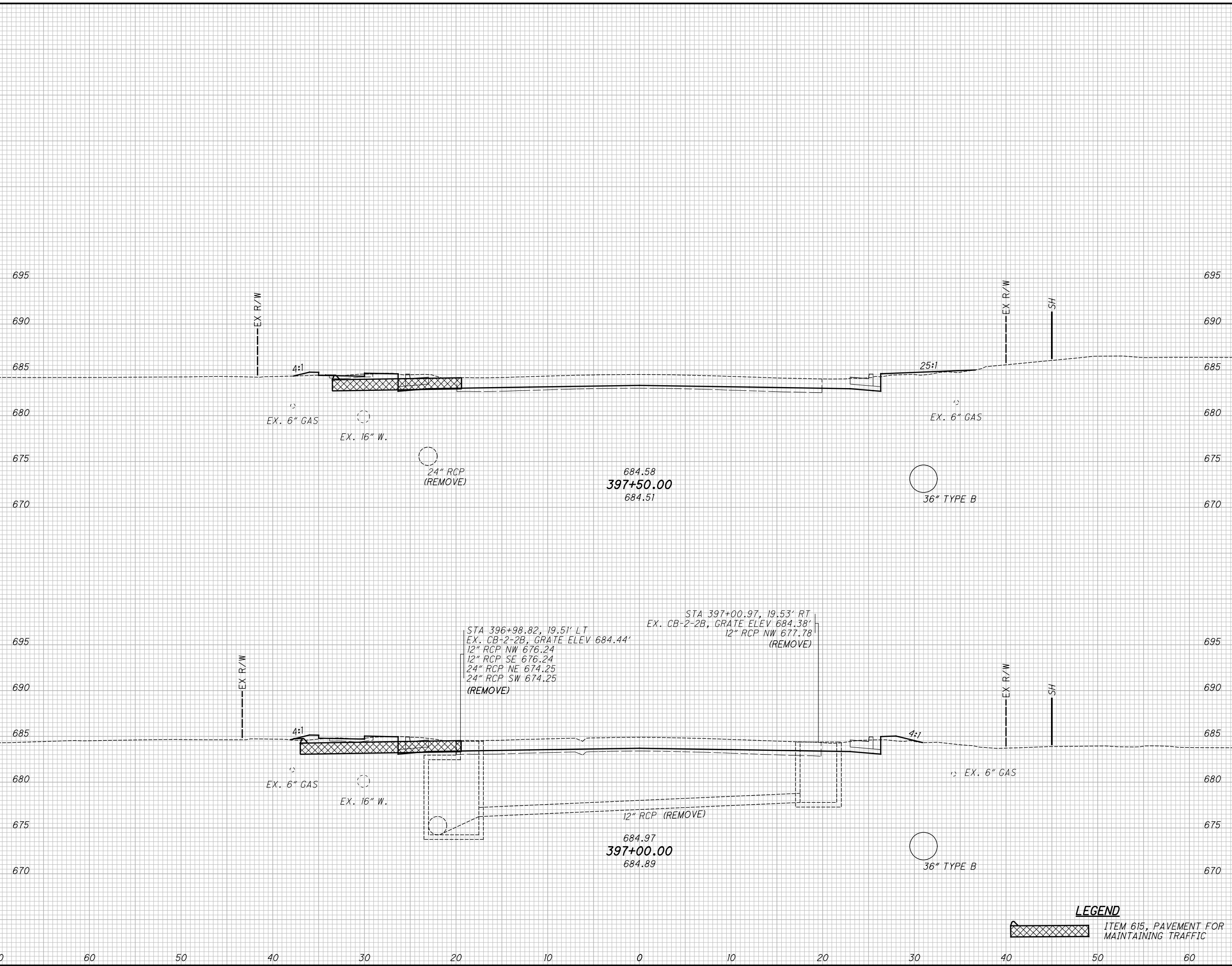
**LAK-US-20-19.59**  
**PART 1**

701  
1253



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SEEDING	
END WIDTH	SO. YDS.
35070	
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	



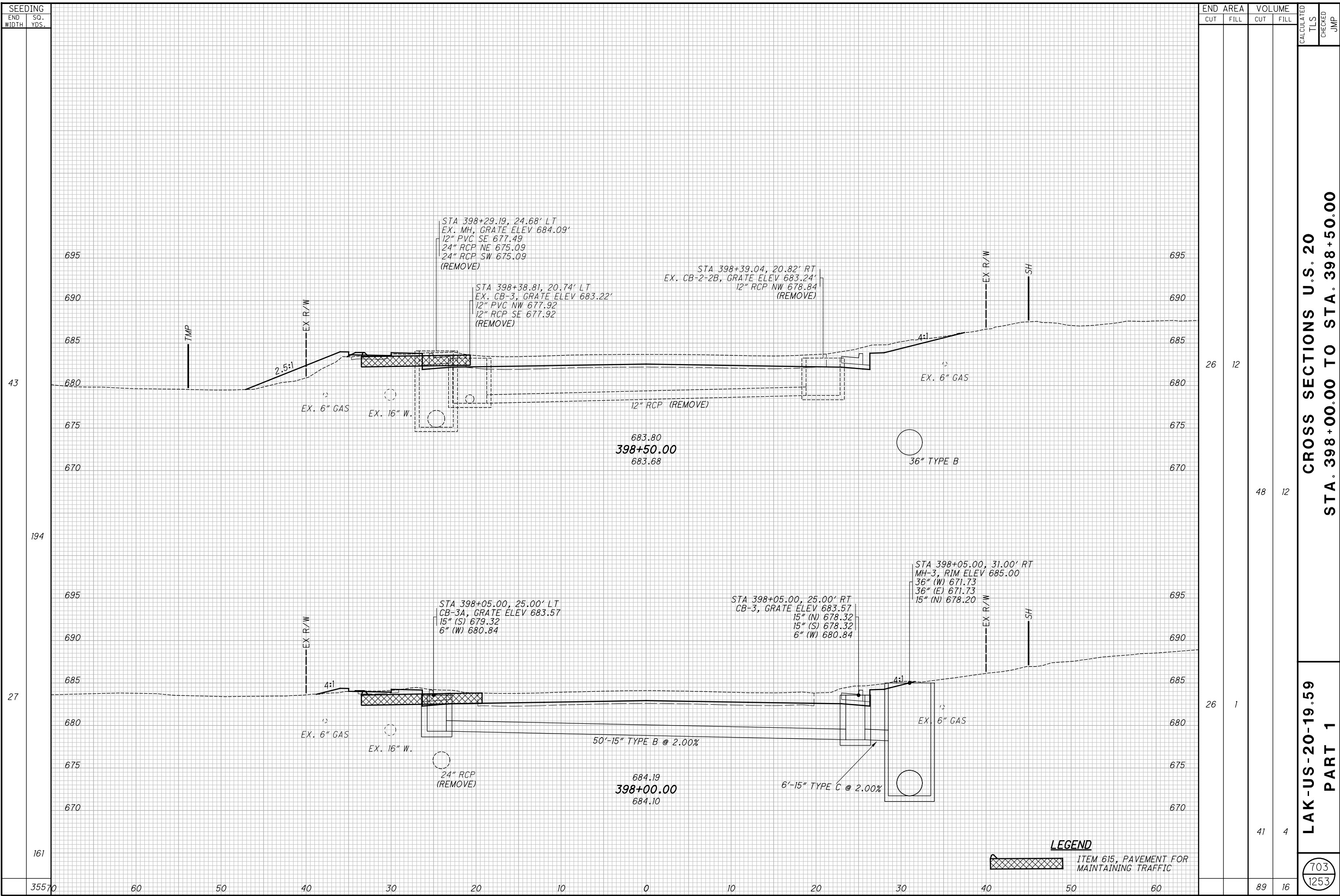
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
18	3	32	6		
17	3	34	5		
		66	11		

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 397+00.00 TO STA. 397+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

702  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_199 7/15/2022 3:21:54 PM troyer



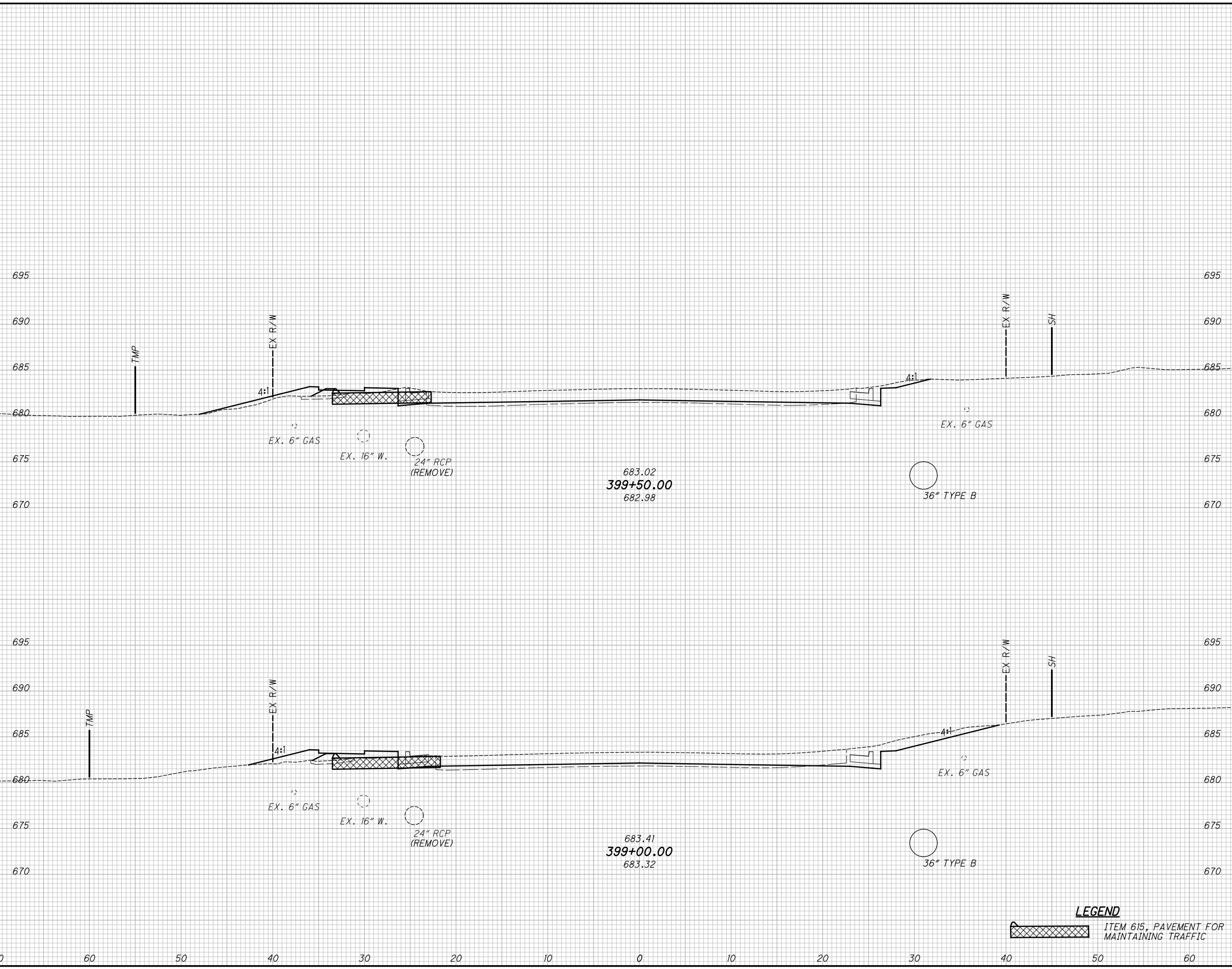
CROSS SECTIONS U.S. 20  
STA. 398+00.00 TO STA. 398+50.00

LAK-US-20-19.59  
PART 1

703  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_200 7/15/2022 3:21:55 PM troyer

SEEDING	
END WIDTH	SO. YDS.
50670	43
60	253
50	48
40	253
30	43
20	48
10	253
0	43
10	48
20	253
30	43
40	48
50	253
60	43



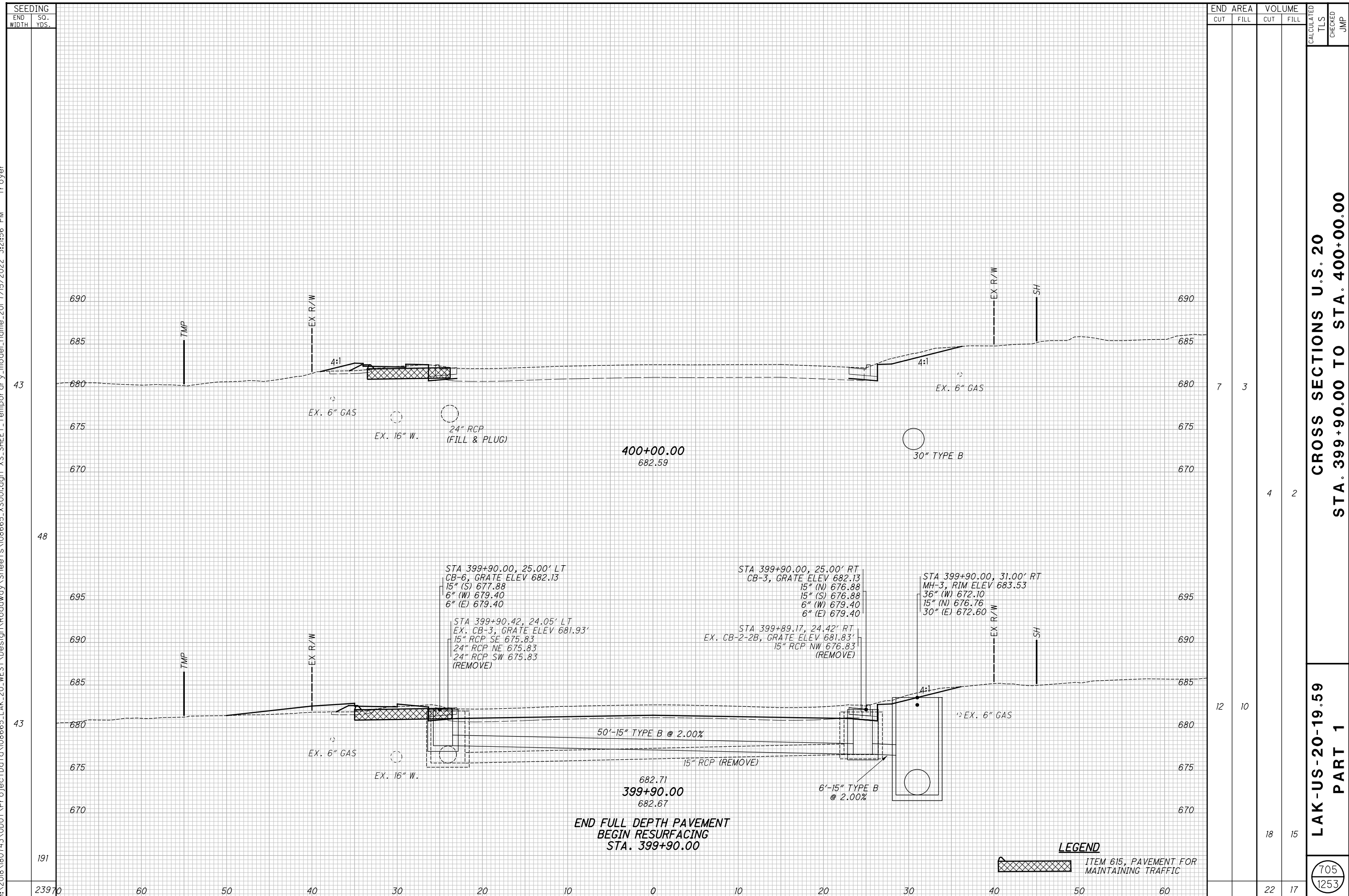
END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
12	10	32	19		
23	11	45	21		
		77	40		

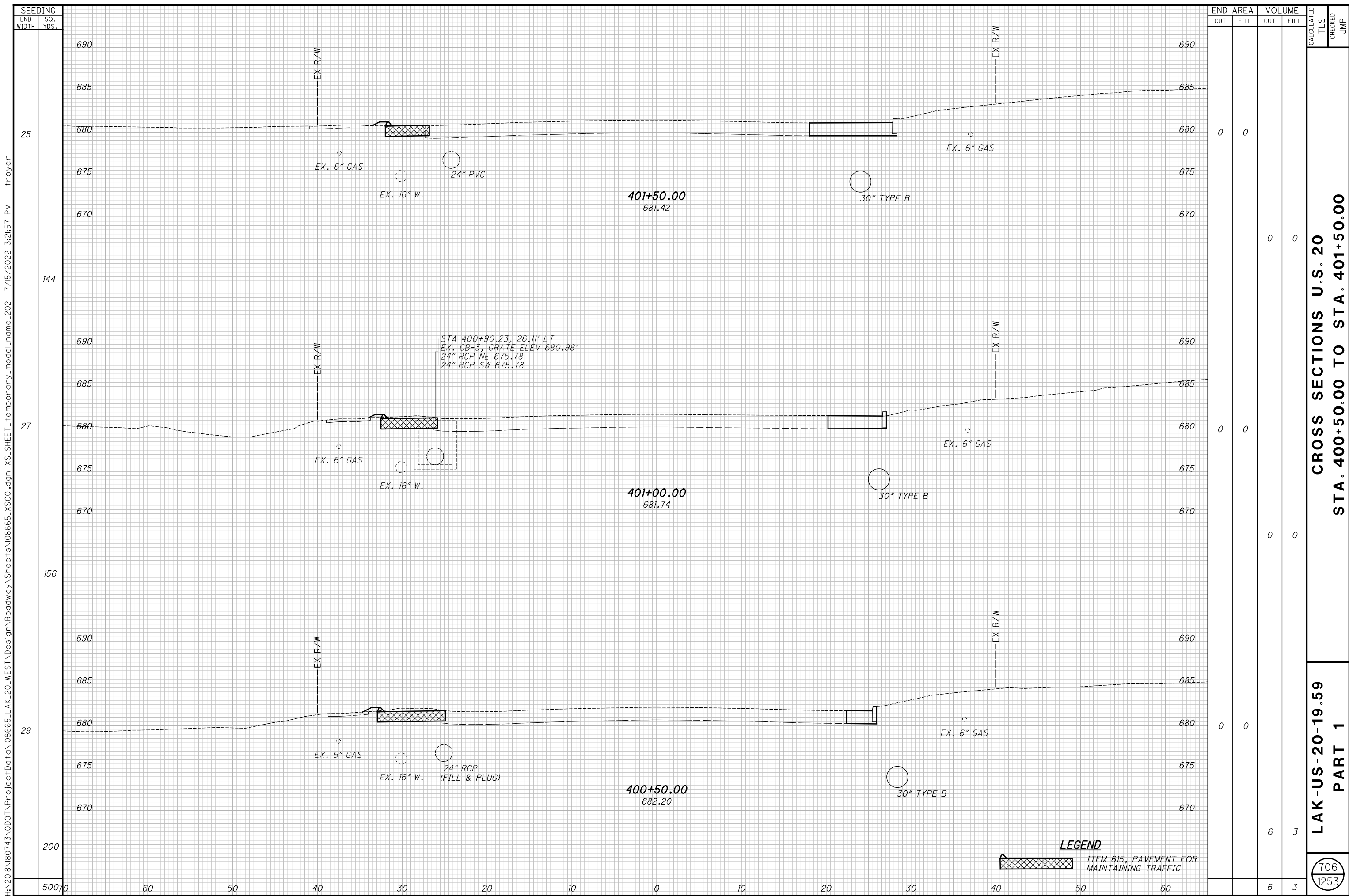
**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS U.S. 20**  
**STA. 399+00.00 TO STA. 399+50.00**

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

704  
1253

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SEEDING  
 END SO.  
 WIDTH YDS.  
 25  
 144  
 27  
 156  
 29  
 200  
 50070 60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
0	0	0	0		
0	0	0	0		
0	0	6	3		
0	0	6	3		

CROSS SECTIONS U.S. 20  
 STA. 400+50.00 TO STA. 401+50.00

LAK-US-20-19.59  
 PART 1

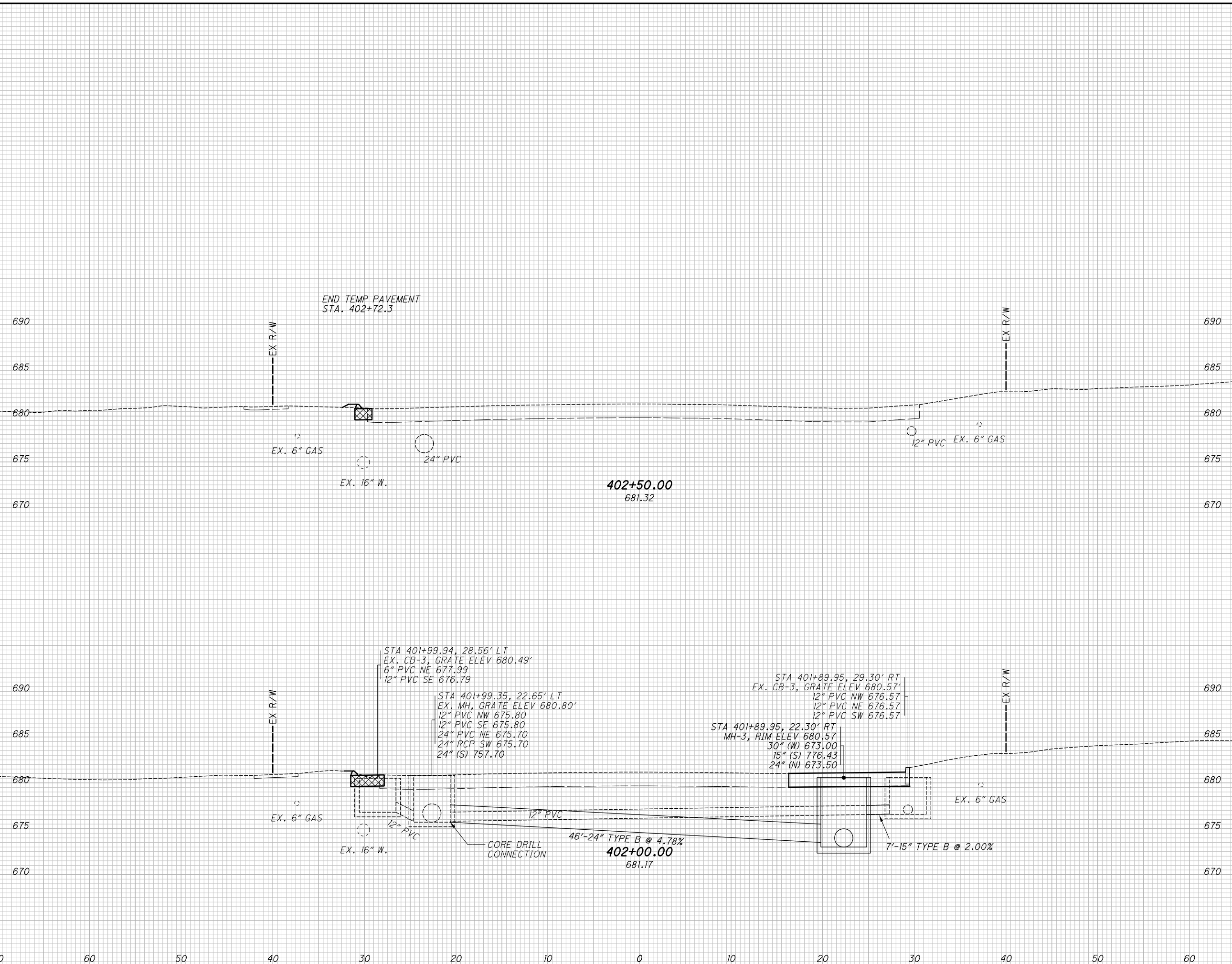
706  
 1253

**LEGEND**  
 ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_1 temporary\_model\_name\_202 7/15/2022 3:21:57 PM troyer

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS001.dgn XS\_SHEET\_Temporary\_model\_name\_203 7/15/2022 3:21:59 PM troyer

SEEDING	
END WIDTH	SO. YDS.
239	70
14	10
92	23
133	133



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
0	0	0	0		
0	0	0	0		
0	0	0	0		

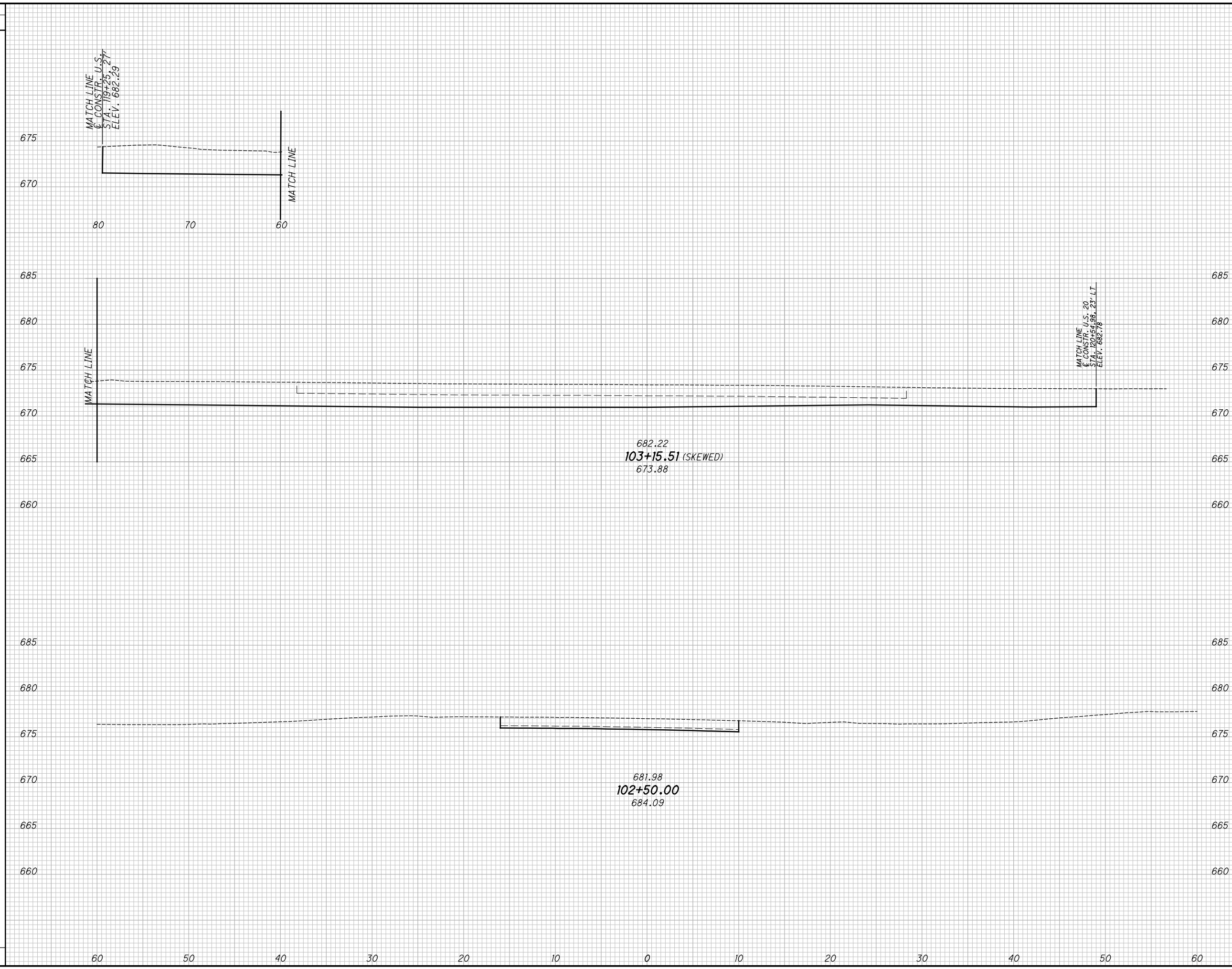
**CROSS SECTIONS U.S. 20**  
**STA. 402+00.00**

**LAK-US-20-19.59**  
**PART 1**

707  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Blase Road 7/15/2022 3:22:00 PM troyer

SEEDING	
END WIDTH	SO. YDS.
146	146
20	20
20	20



END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	TLS	JMP
263	0	325	0		
5	0	325	0		

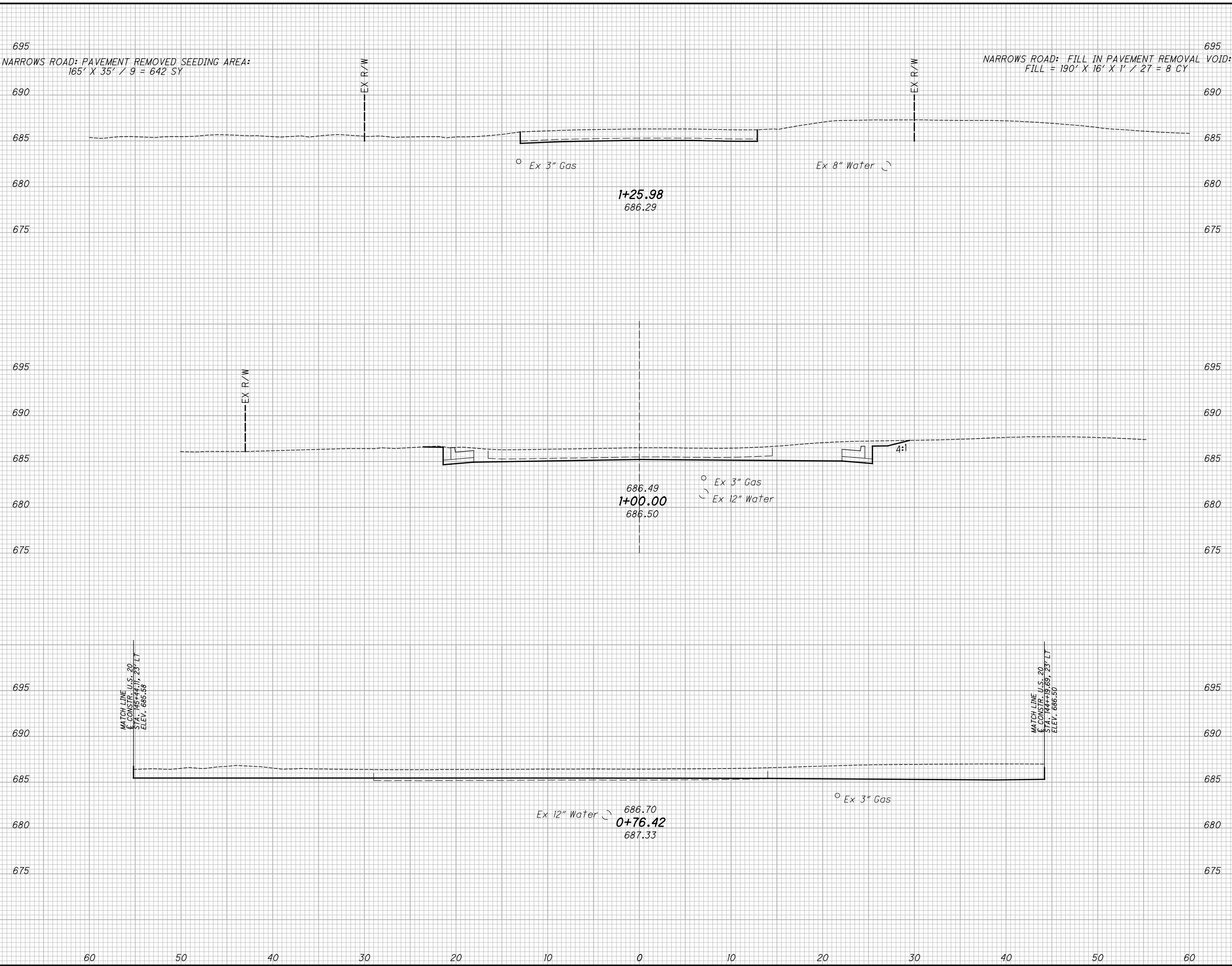
**CROSS SECTIONS - BLASE NEMETH ROAD**  
**STA. 102+50 TO STA. 103+15.51**

**LAK-US-20-19.59**  
**PART 1**

708  
1253

H:\2018\80743\000T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Narrows Road 7/15/2022 3:22:02 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	END WIDTH	SO. YDS.	CUT	FILL			
642	98	642	5	0			8
286	100	286	70	70			21
273	100	273	70	70			48
1201	60	1201	69	10			10



**CROSS SECTIONS - NARROWS RD.**  
**STA. 0+76.42 TO STA. 1+25.00**

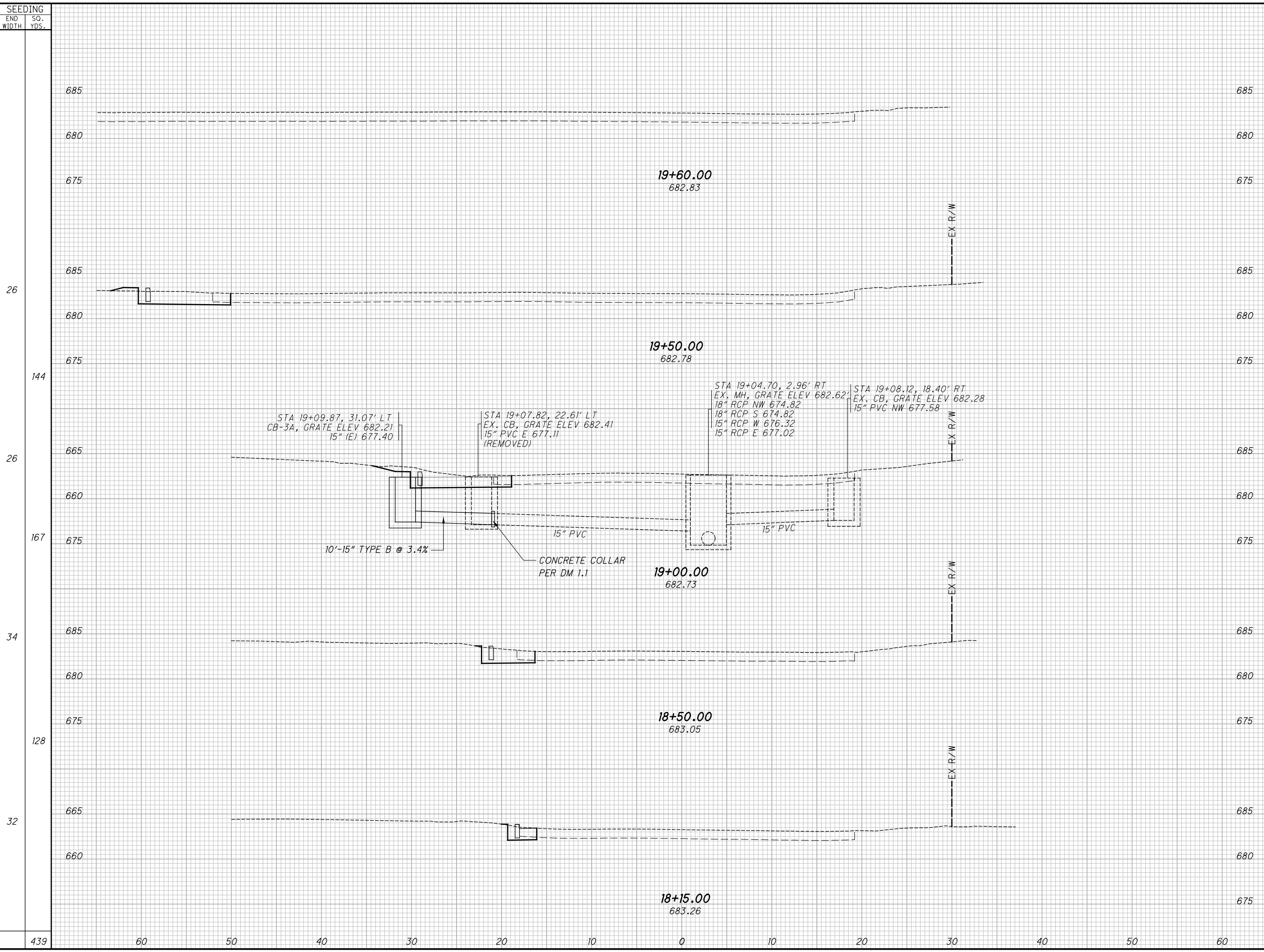
**LAK-US-20-19.59**  
**PART 1**

709  
1253



SEEDING  
END WIDTH SO. YDS.  
439 60 50 40 30 20 10 0 10 20 30 40 50 60

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Lane Rd 7/15/2022 3:22:03 PM Troyer



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
13	1	29	1		
18	0	22	0		
6	0	5	0		
2	0				
		56	1		

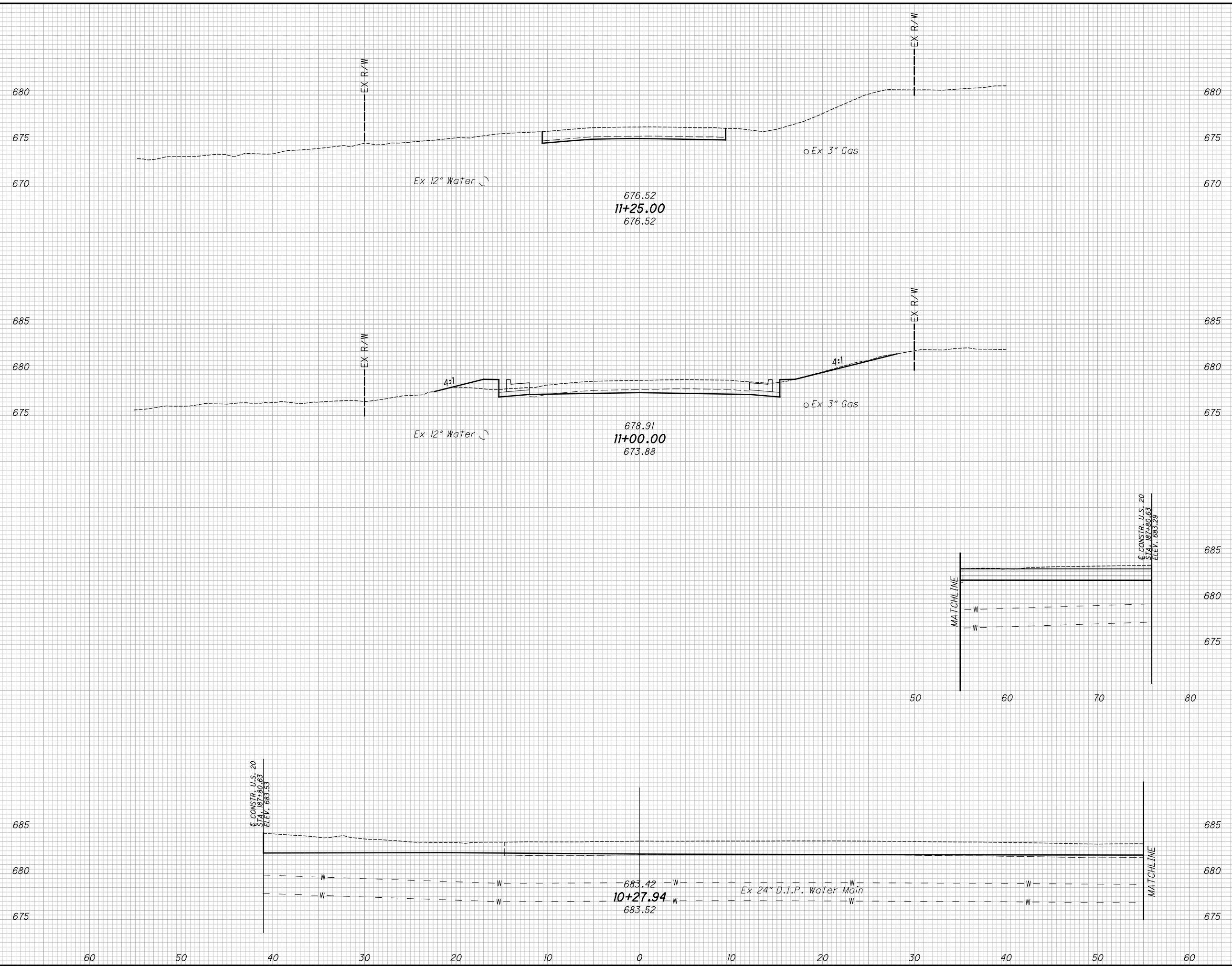
CROSS SECTIONS - LANE ROAD  
STA. 18+15.00 TO STA. 19+60.00

LAK-US-20-19.59  
PART 1

710  
1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Blackmore Rd. 7/5/2022 3:22:05 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
40	4	0	5	2			
99	7	4					
31	39	4	66	13			
248			61	11			



SEEDING	END AREA		VOLUME		CALCULATED	CHECKED	JMP
	CUT	FILL	CUT	FILL			
40	4	0	5	2			
99	7	4					
31	39	4	66	13			
248			61	11			

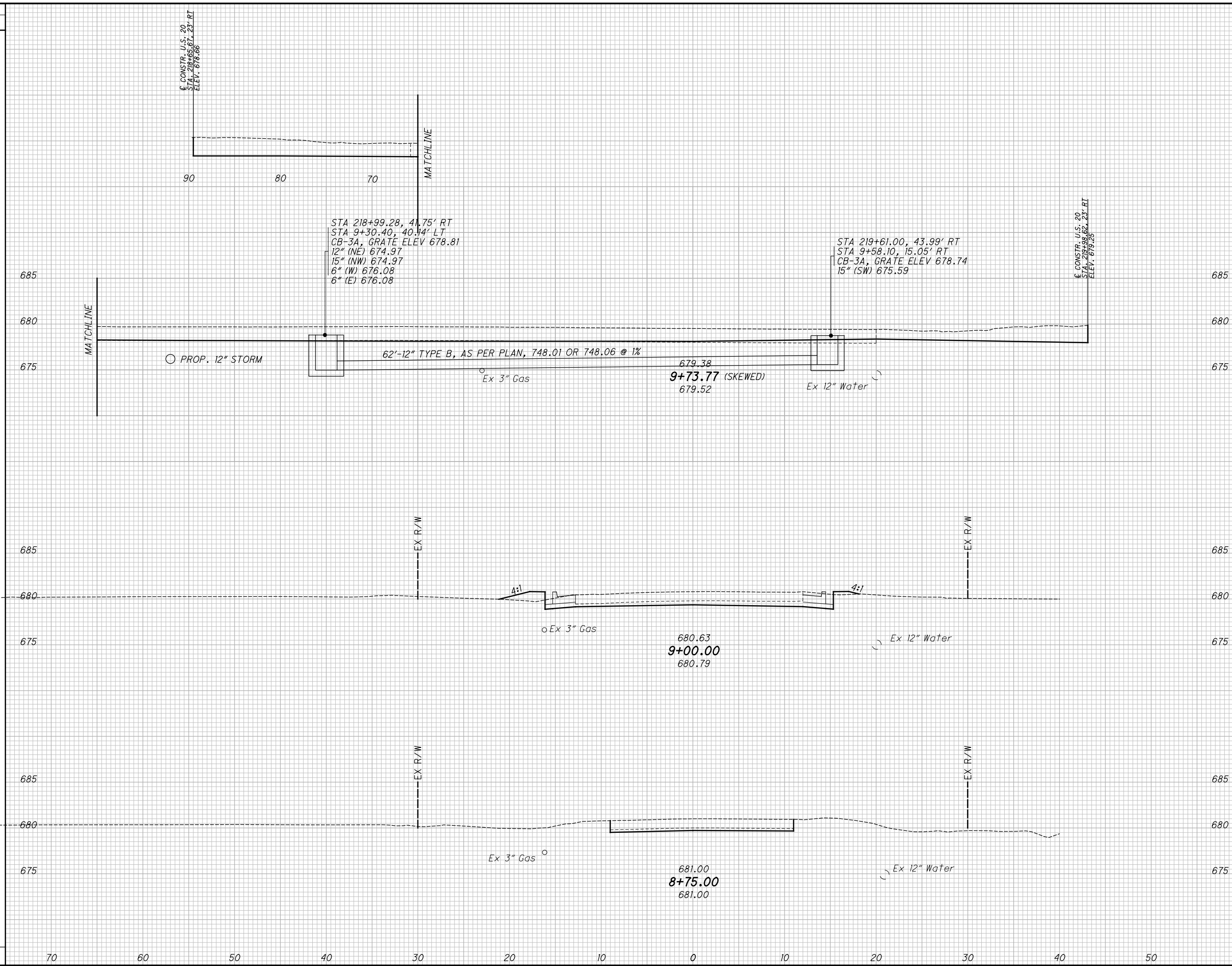
**CROSS SECTIONS - BLACKMORE RD.**  
**STA. 10+27.94 TO STA. 11+25**

**LAK-US-20-19.59**  
**PART 1**

711  
1253

H:\2018\80743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS40I.dgn Ohio Street 7/15/2022 3:22:07 PM troyer

SEEDING	END WIDTH	SO. YDS.		
			CUT	FILL
	70	413		
	60	47		
	50	316		
	40	30		
	30	97		
	20	40		
	10			
	0			
	10			
	20			
	30			
	40			
	50			
	60			
	70			



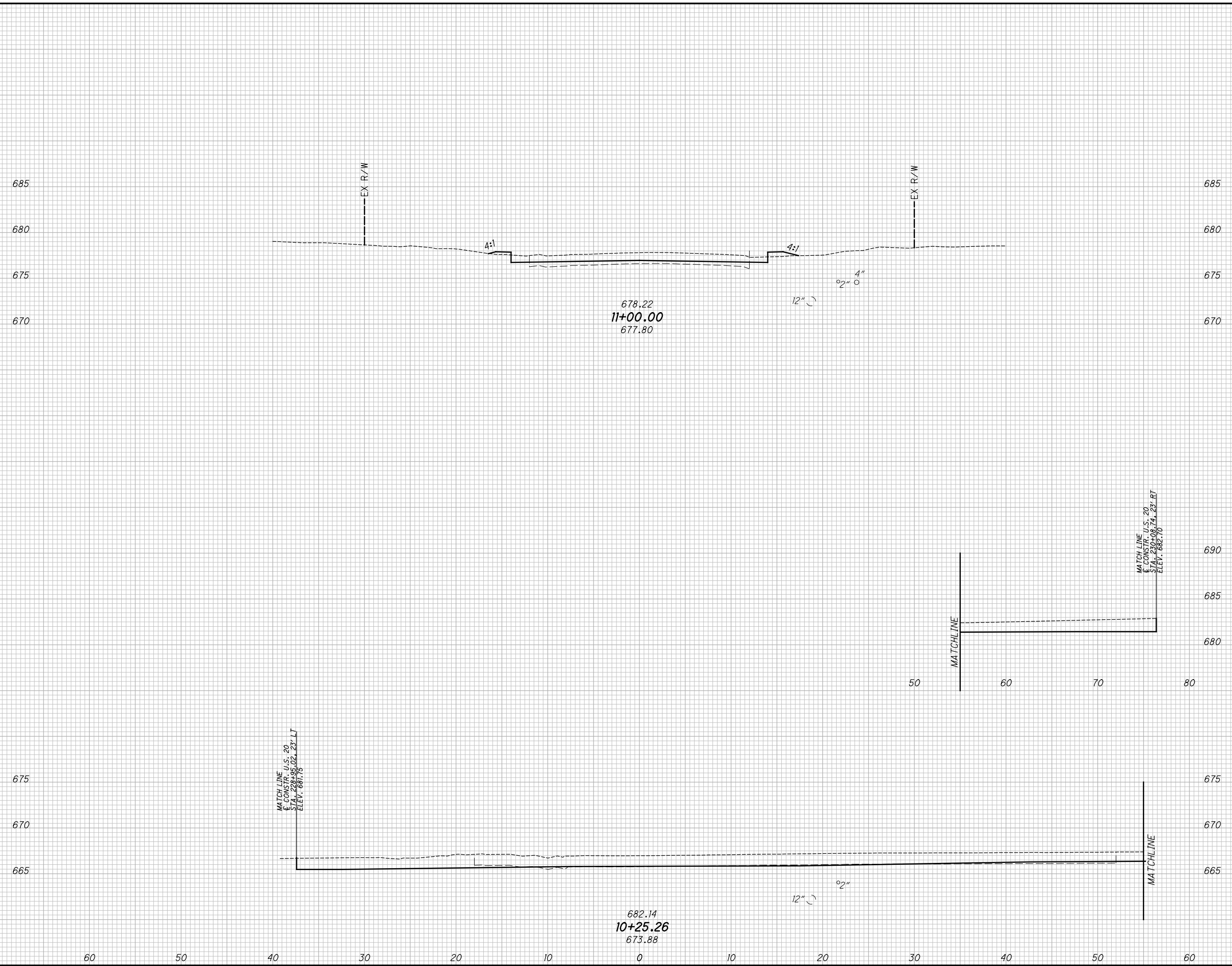
END AREA	VOLUME	CALCULATED	CHECKED	JMP
4	0			
22	4			
70	0			
138	8			

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS - OHIO STREET**  
**STA. 9+73.77 TO STA. 11+00.00**

712  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Perry Park Road 7/15/2022 3:22:08 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
32	4	10				
266			68	14		
32	45	0				
266			68	14		

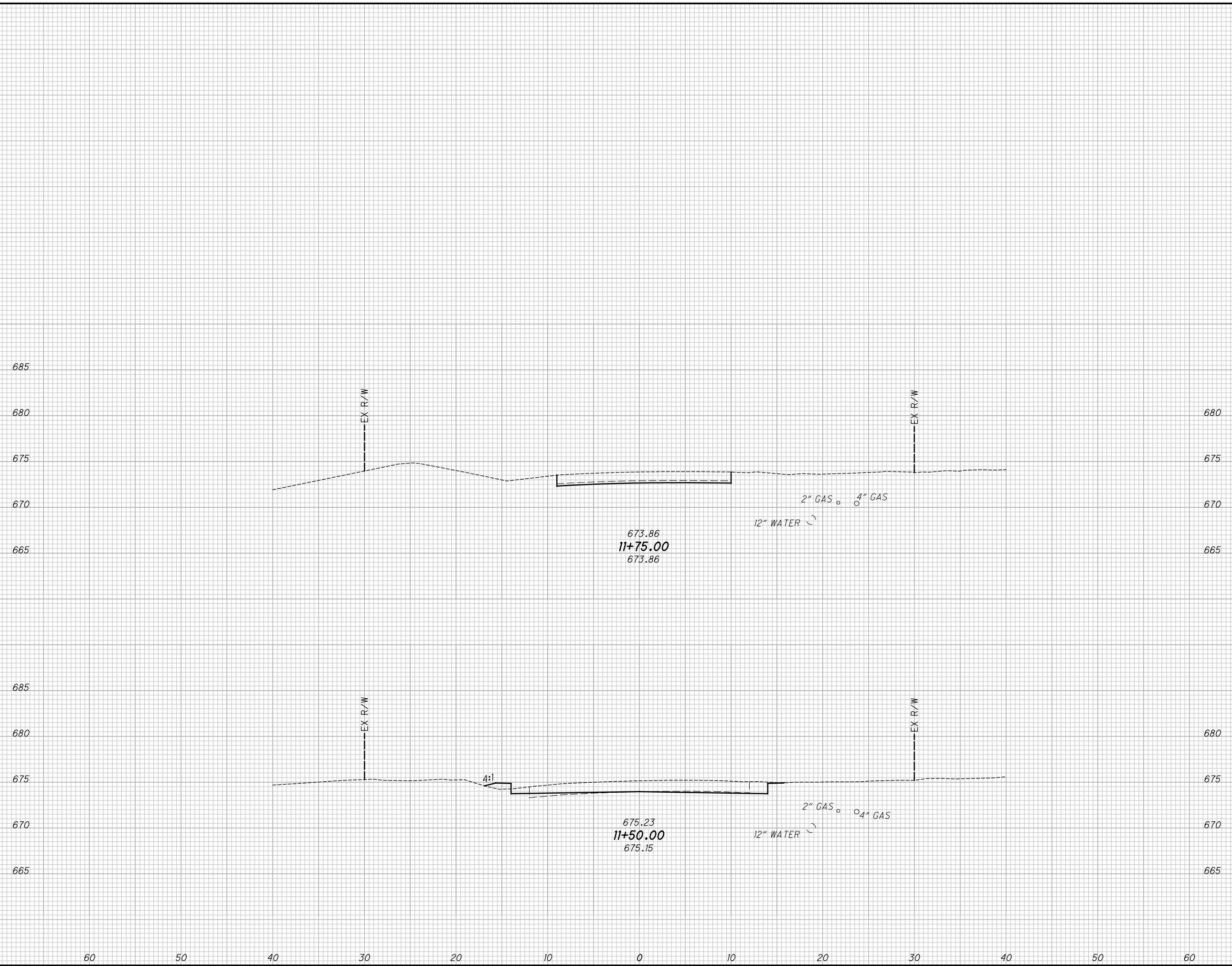


**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS - PERRY PARK RD.**  
**STA. 10+25.26 TO STA. 11+00.00**

713  
1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Perry Park Road\_2 7/5/2022 3:22:09 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
41	4	0				
101			2	1		
32	1	2				
178			5	11		
279			7	12		

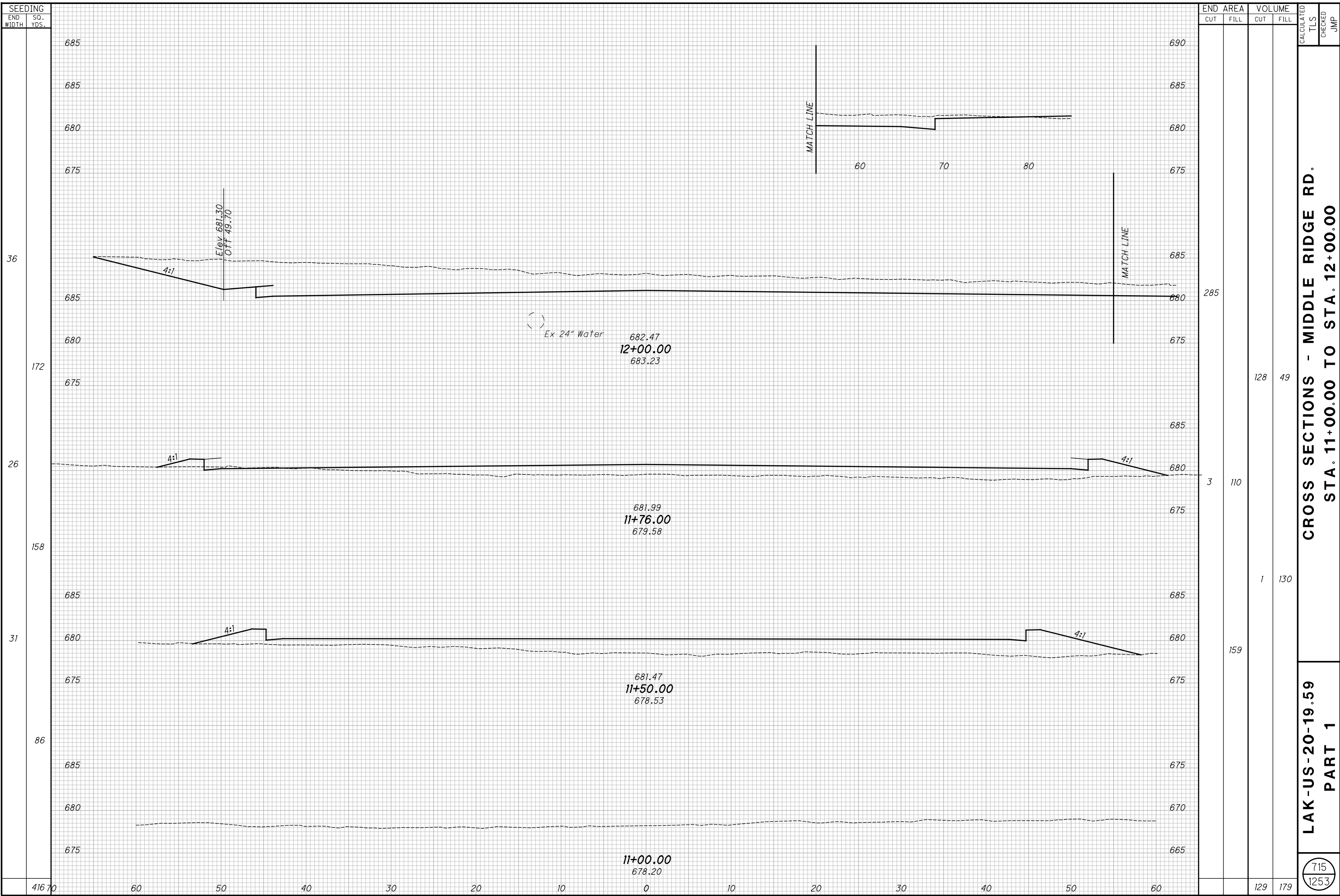


**CROSS SECTIONS - PERRY PARK RD.**  
**STA. 11+00.00 TO STA. 11+75.00**

**LAK-US-20-19.59**  
**PART 1**

714  
1253

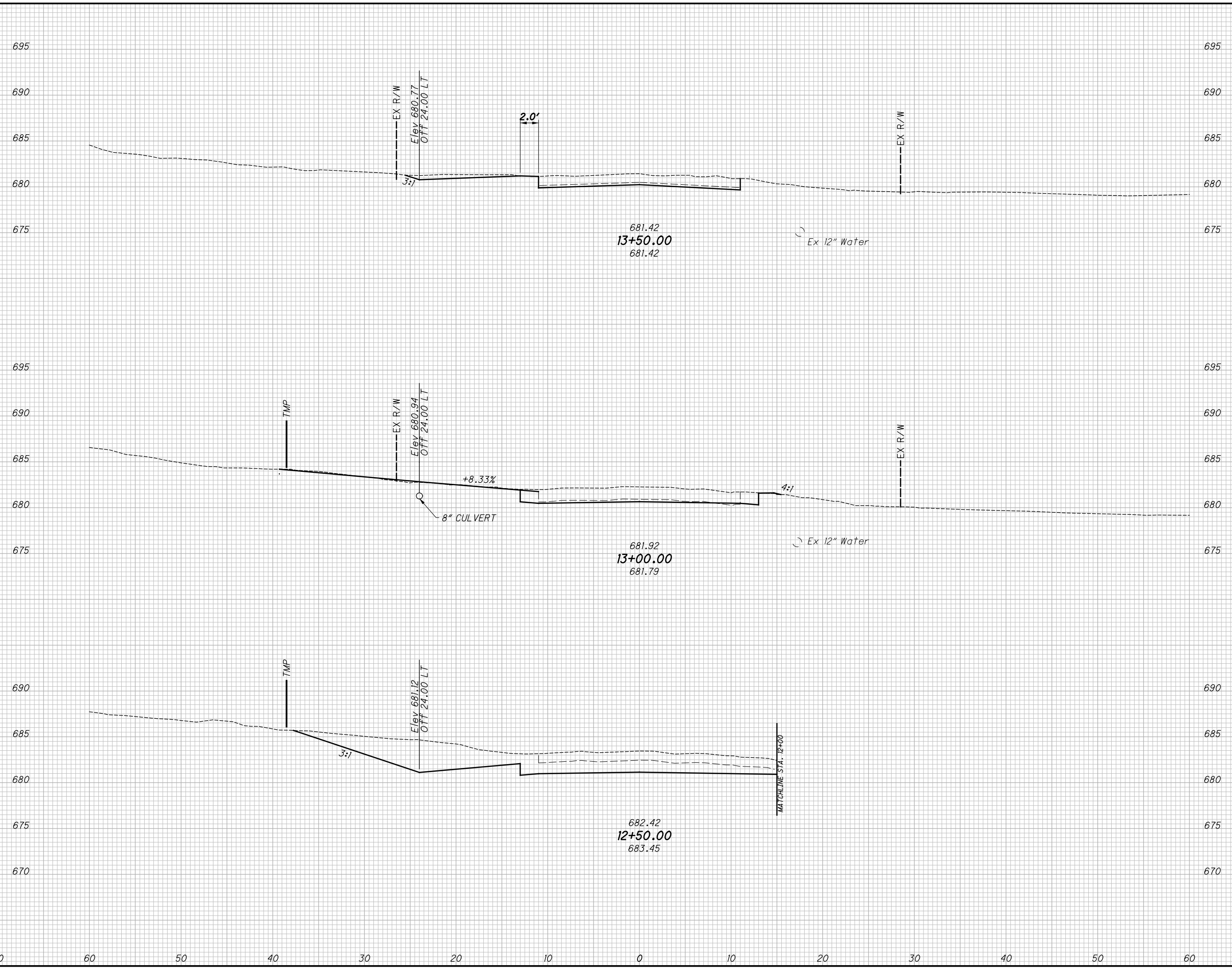
H:\2018\180743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS40I.dgn Middle Street 7/15/2022 3:22:0 PM Troyer



715  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Middle Street\_2 7/15/2022 3:22:12 PM Troyer

SEEDING	
END WIDTH	SO. YDS.
32	206
42	189
26	172
567	70

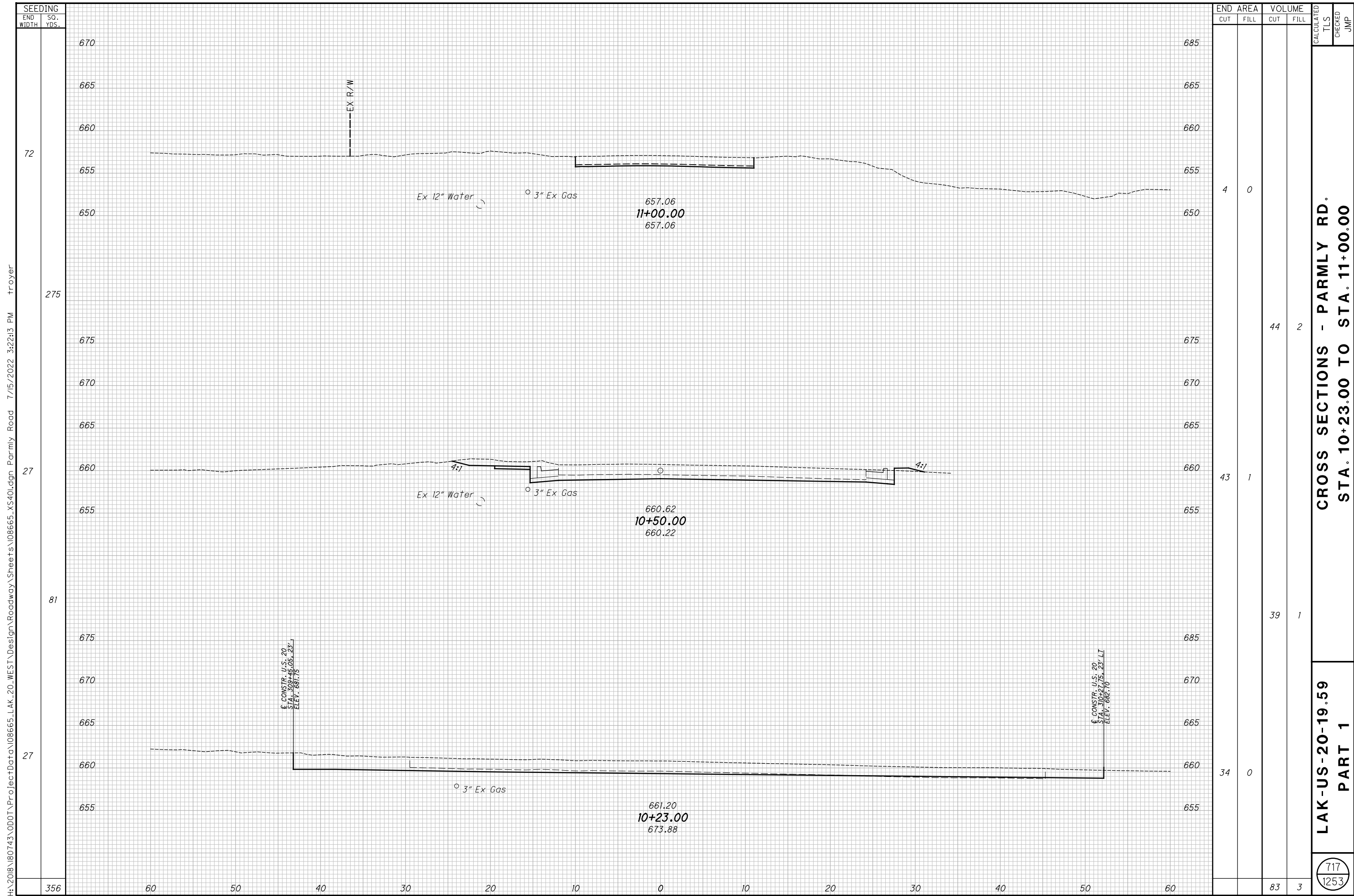


END STA.	AREA		VOLUME	
	CUT	FILL	CUT	FILL
31		0		
40		1	66	1
108			137	1
567			364	0
567			2	

**CROSS SECTIONS - MIDDLE RIDGE ROAD**  
**STA. 12+50.00 TO STA. 13+50.00**

**LAK-US-20-19.59**  
**PART 1**

716  
1253



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CROSS SECTIONS - PARMLY RD.  
STA. 10+23.00 TO STA. 11+00.00

LAK-US-20-19.59  
PART 1

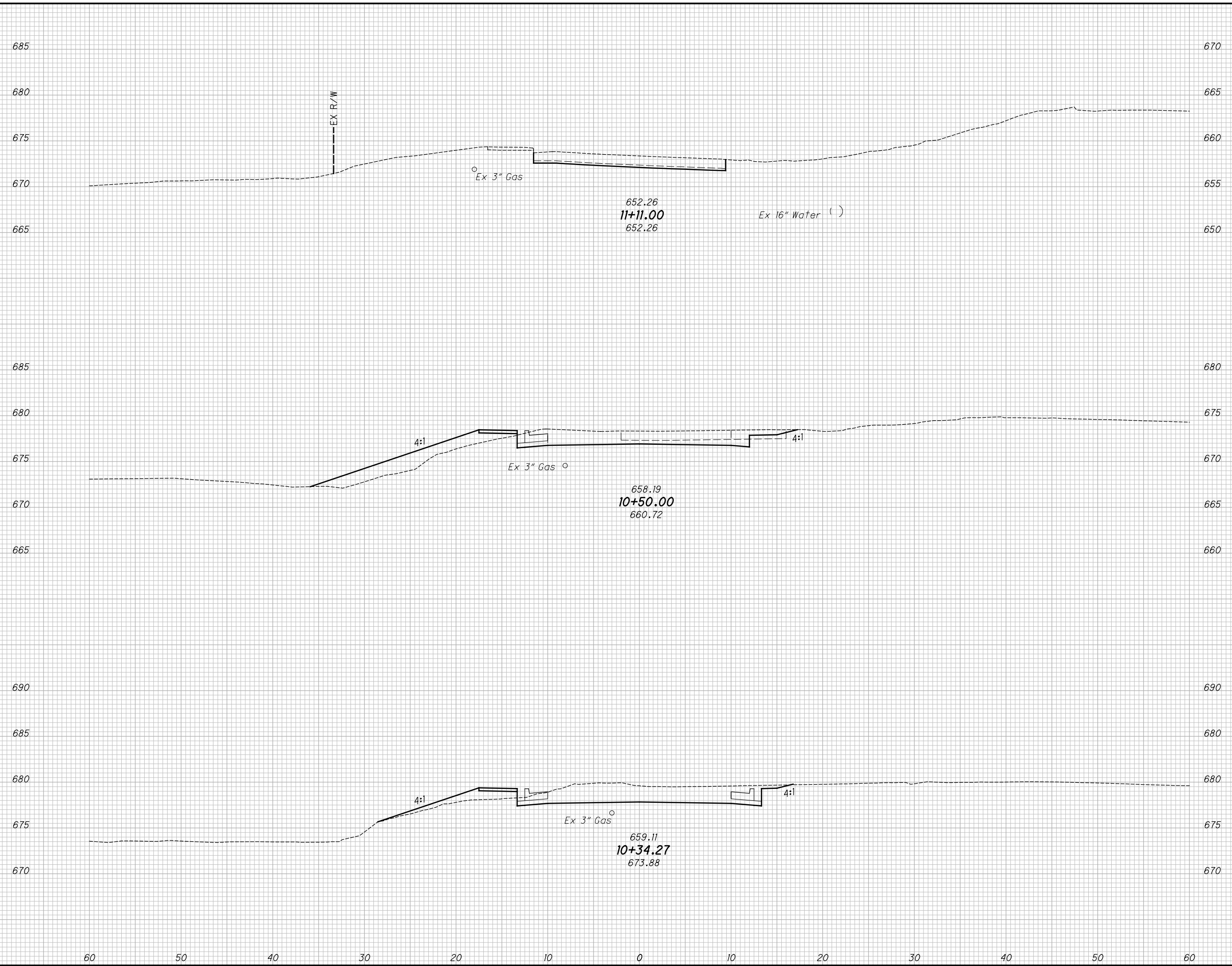
717  
1253

CALCULATED  
TLS  
CHECKED  
JMP



H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Red Mill Road\_W 7/15/2022 3:22:15 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
40	4	0	34	32		
50	26	28	17	15		
79	32	22				
384			51	47		

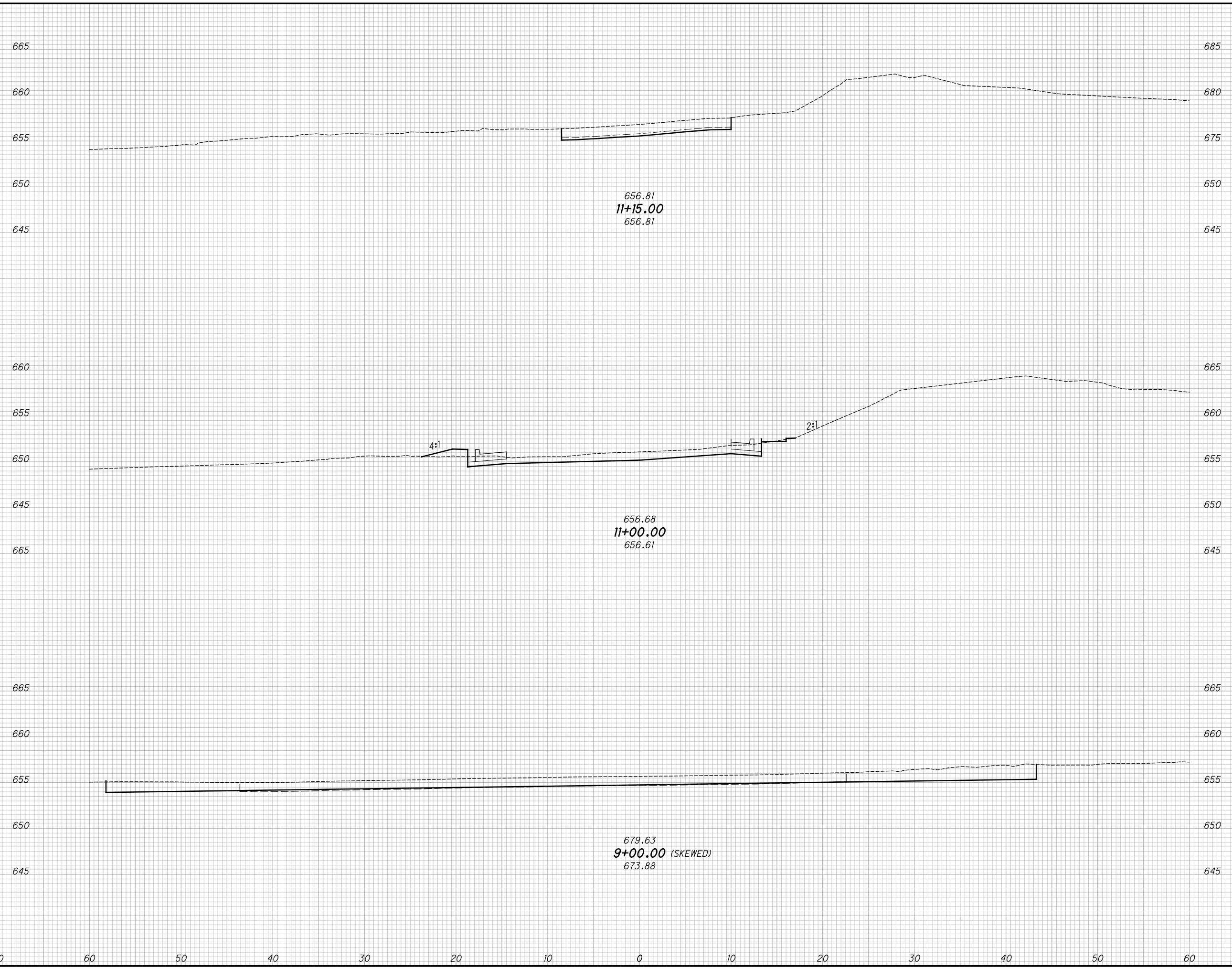


**LAK-US-20-19.59**  
**CROSS SECTIONS - RED MILL VALLEY RD. (WEST)**  
**PART 1**  
**STA. 10+34.27 TO STA. 11+11.00**

718  
1253

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SEEDING	
END WIDTH	SO. YDS.
24370	0
60	5
60	20
60	222



END CUT	AREA FILL	VOLUME		CALCULATED TLS	CHECKED JMP
		CUT	FILL		
23		14	1		
27	3	481	11		
103					
		495	12		

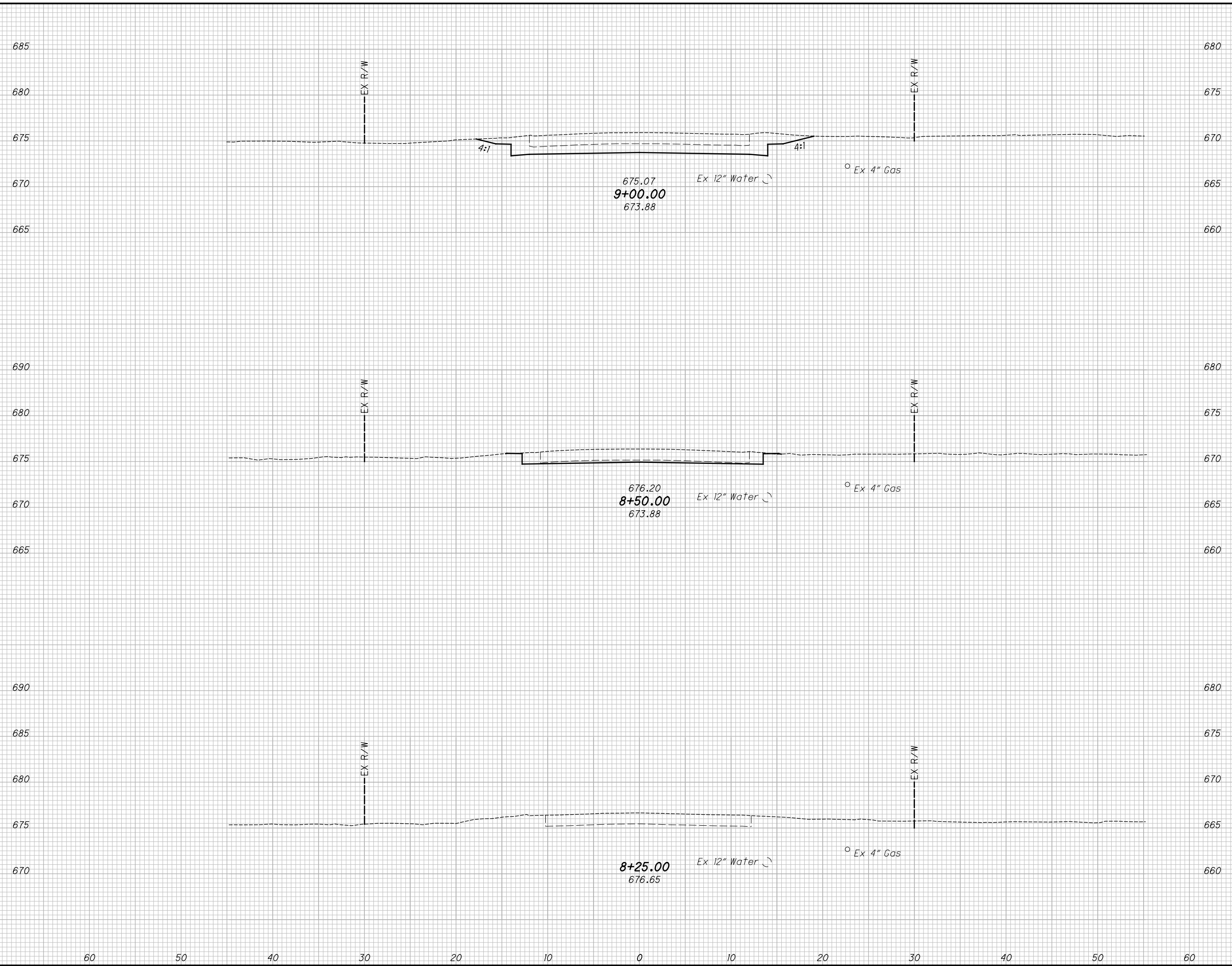
**CROSS SECTIONS - RED MILL VALLEY RD. (EAST)**  
**STA. 10+27.64 TO STA. 11+15.00**

**LAK-US-20-19.59**  
**PART 1**

719  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Call Road 7/15/2022 3:22:17 PM troyer

SEEDING	
END WIDTH	SO. YDS.
32	183
34	100
38	283



END AREA		VOLUME	
CUT	FILL	CUT	FILL
45	0	45	0
4	0	4	0
4	0	4	0
		49	0

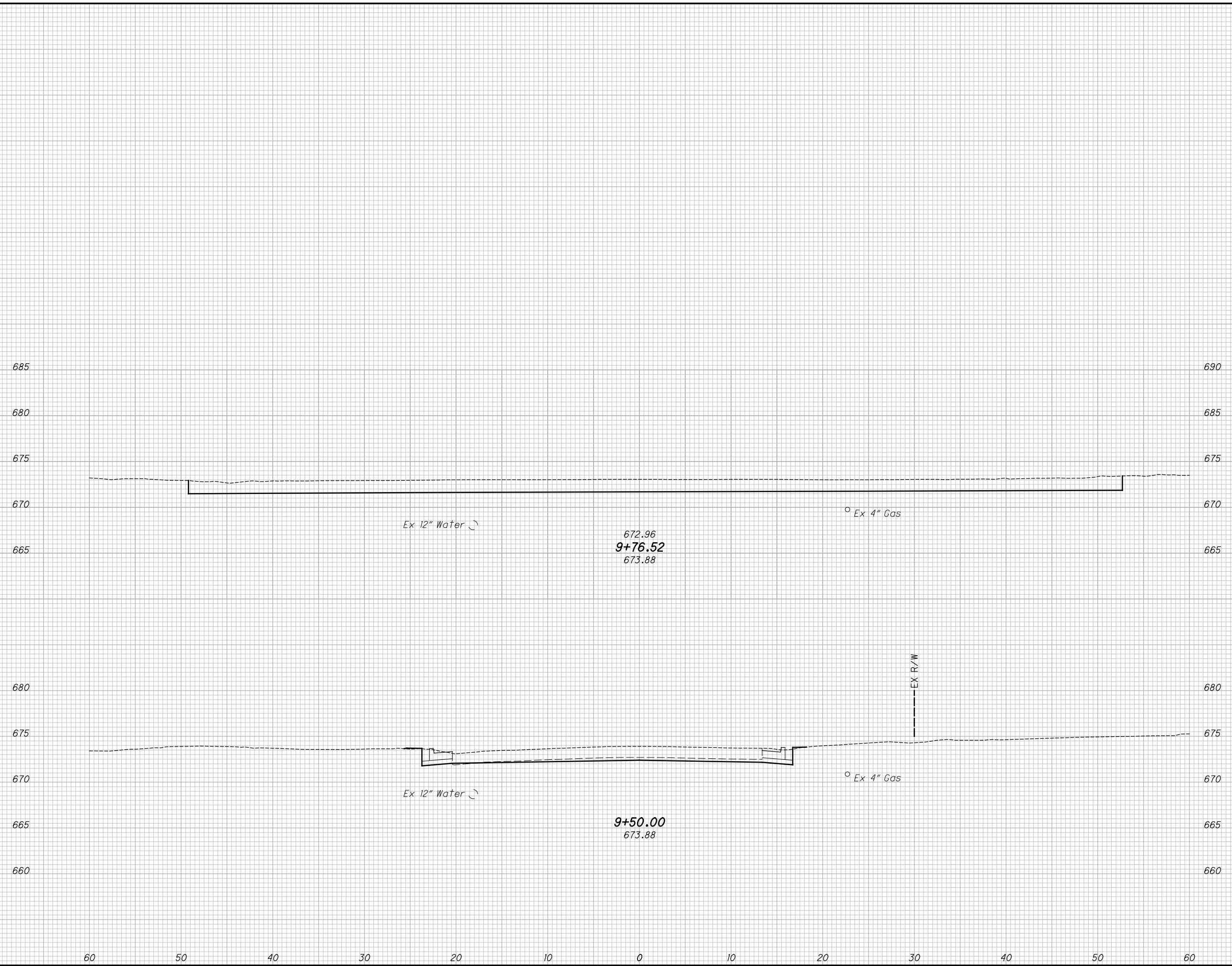
**CROSS SECTIONS - CALL ROAD**  
**STA. 8+25.00 TO STA. 9+00.00**

**LAK-US-20-19.59**  
**PART 1**

720  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Call Road\_2 7/15/2022 3:22:19 PM troyer

SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
203	18	0	11	0		
59	18	0	58	0		
144						
203	60	50	20	30		



END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		
18	0	11	0		
18	0	58	0		
60	50	20	30		

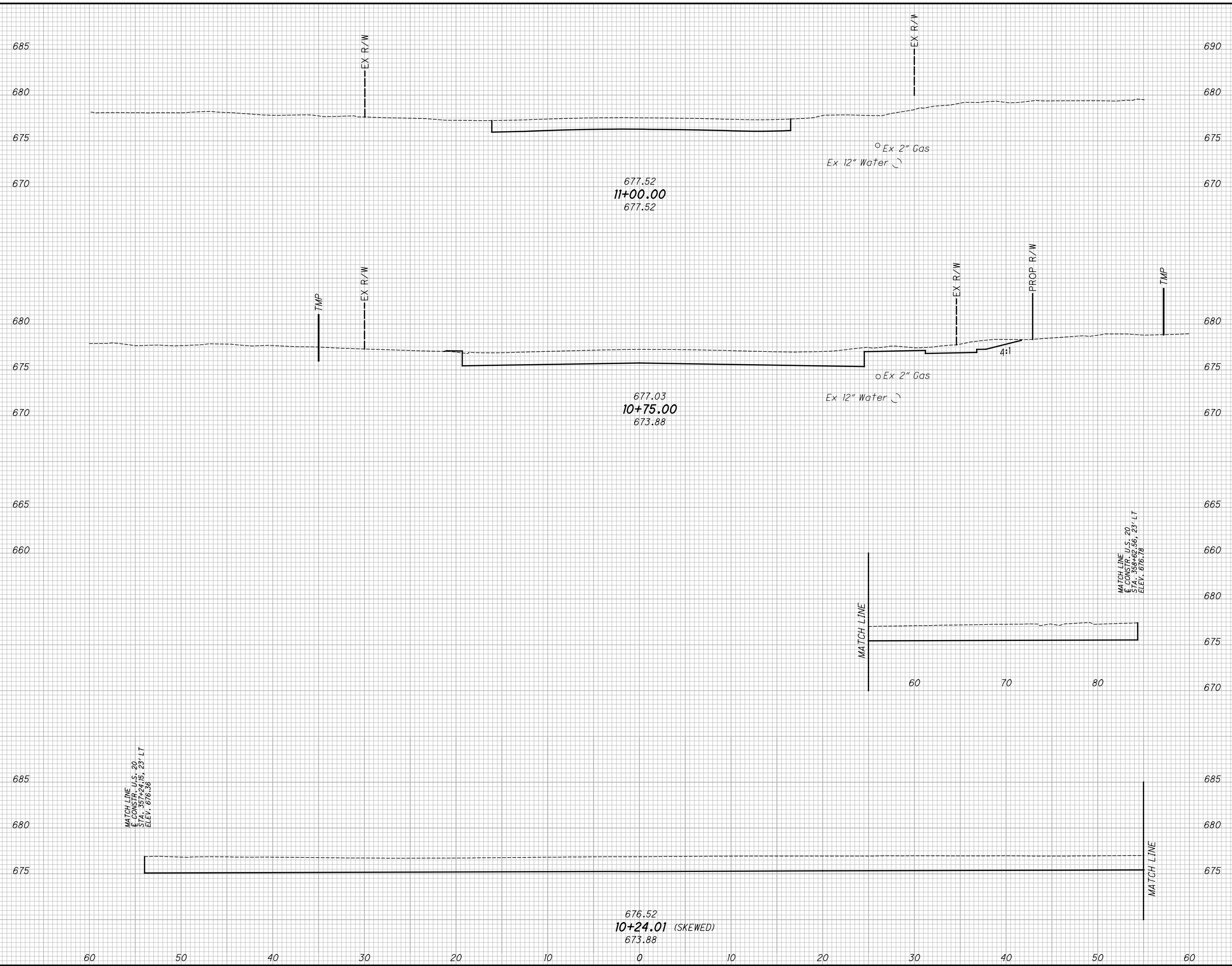
CROSS SECTIONS - CALL ROAD  
STA. 9+50.00 TO STA. 9+76.52

LAK-US-20-19.59  
PART 1

721  
1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS401.dgn Antioch Road 7/15/2022 3:22:20 PM Troyer

SEEDING	END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL	CUT	FILL		
III			54	0		



END AREA	VOLUME		CALCULATED TLS	CHECKED JMP
	CUT	FILL		
	0	0		
	23	0		
	43	0		
	23	0		
	54	0		

**CROSS SECTIONS - ANTIOCH ROAD**  
**STA. 10+24.01 TO STA. 11+00.00**

**LAK-US-20-19.59**  
**PART 1**

722  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS501\_RAMPA.dgn XS\_SHEET\_Temporary\_model\_name\_I 7/15/2022 3:22:21 PM troyer

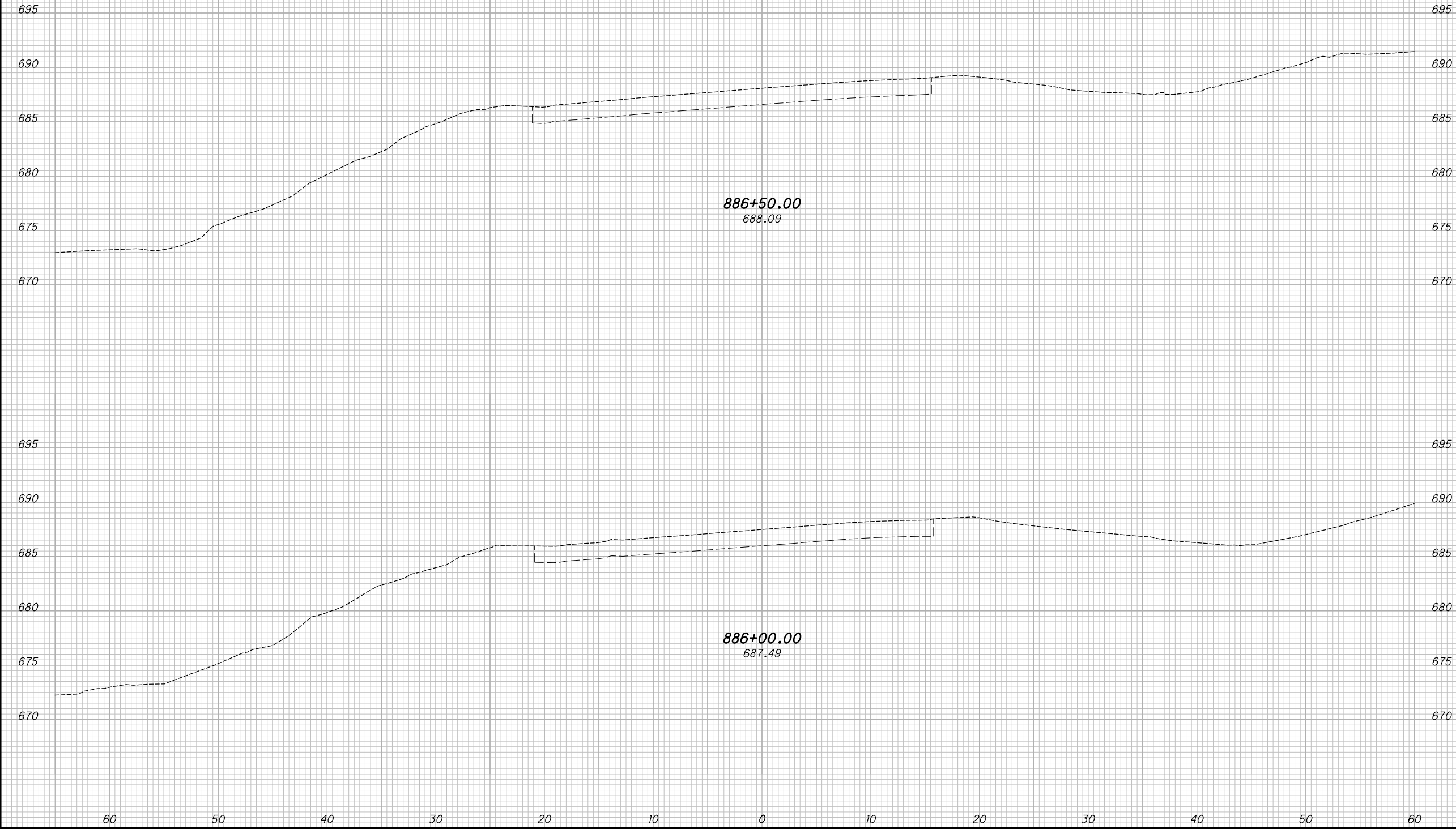
SEEDING

END SO.  
WIDTH YDS.

END AREA  
CUT FILL

VOLUME  
CUT FILL

CALCULATED  
JMP  
CHECKED  
WDB



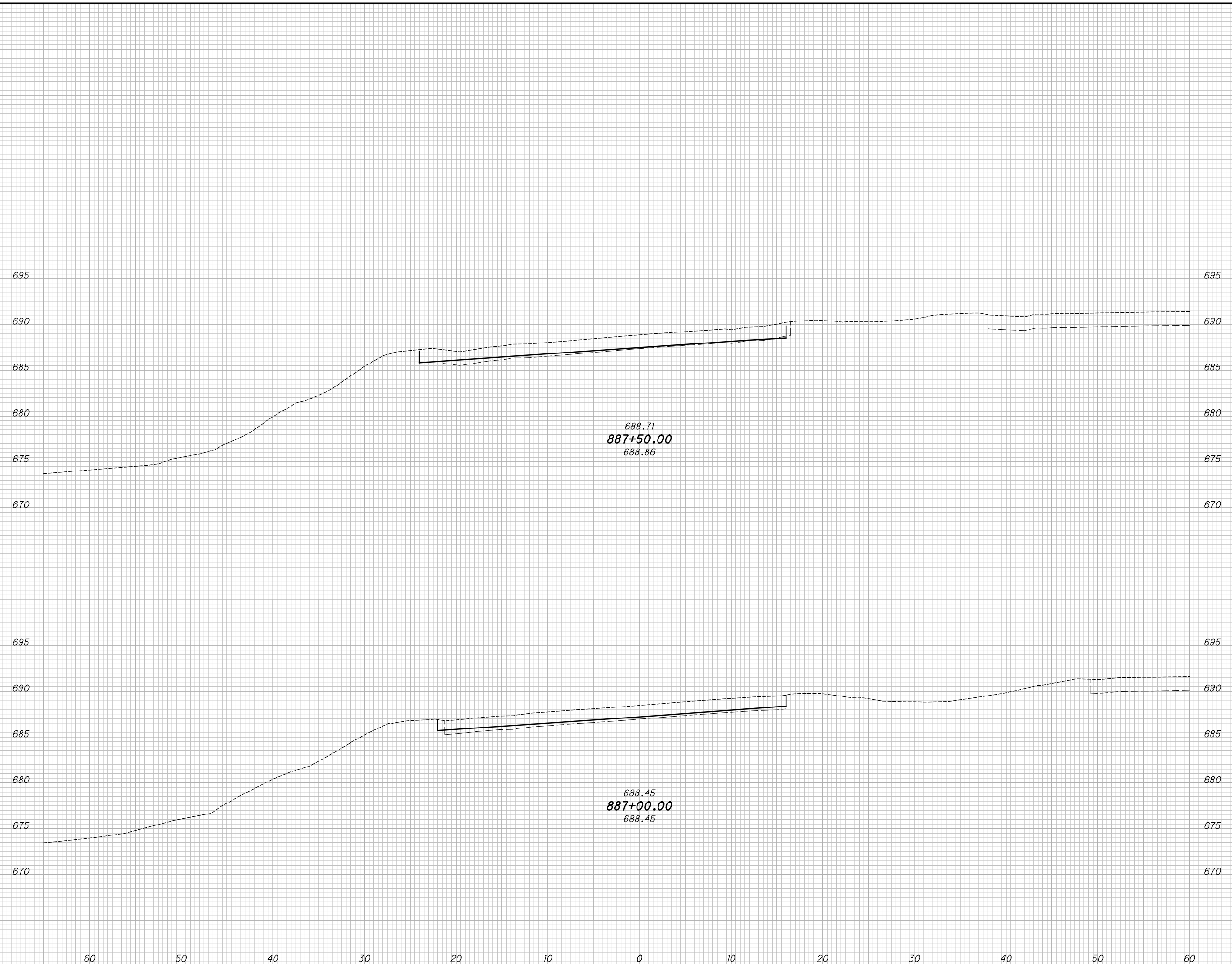
CROSS SECTIONS S.R. 2 - RAMP A  
STA. 886+00.00 TO STA. 886+50.00

LAK-US-20-19.59  
PART 1

723  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\DesignRoadway\Sheets\08665\_XS501\_RAMPA.dgn XS\_SHEET\_Temporary\_model\_name.2 7/15/2022 3:22:22 PM troyer

SEEDING	
END WIDTH	SO. YDS.
67	11
67	13



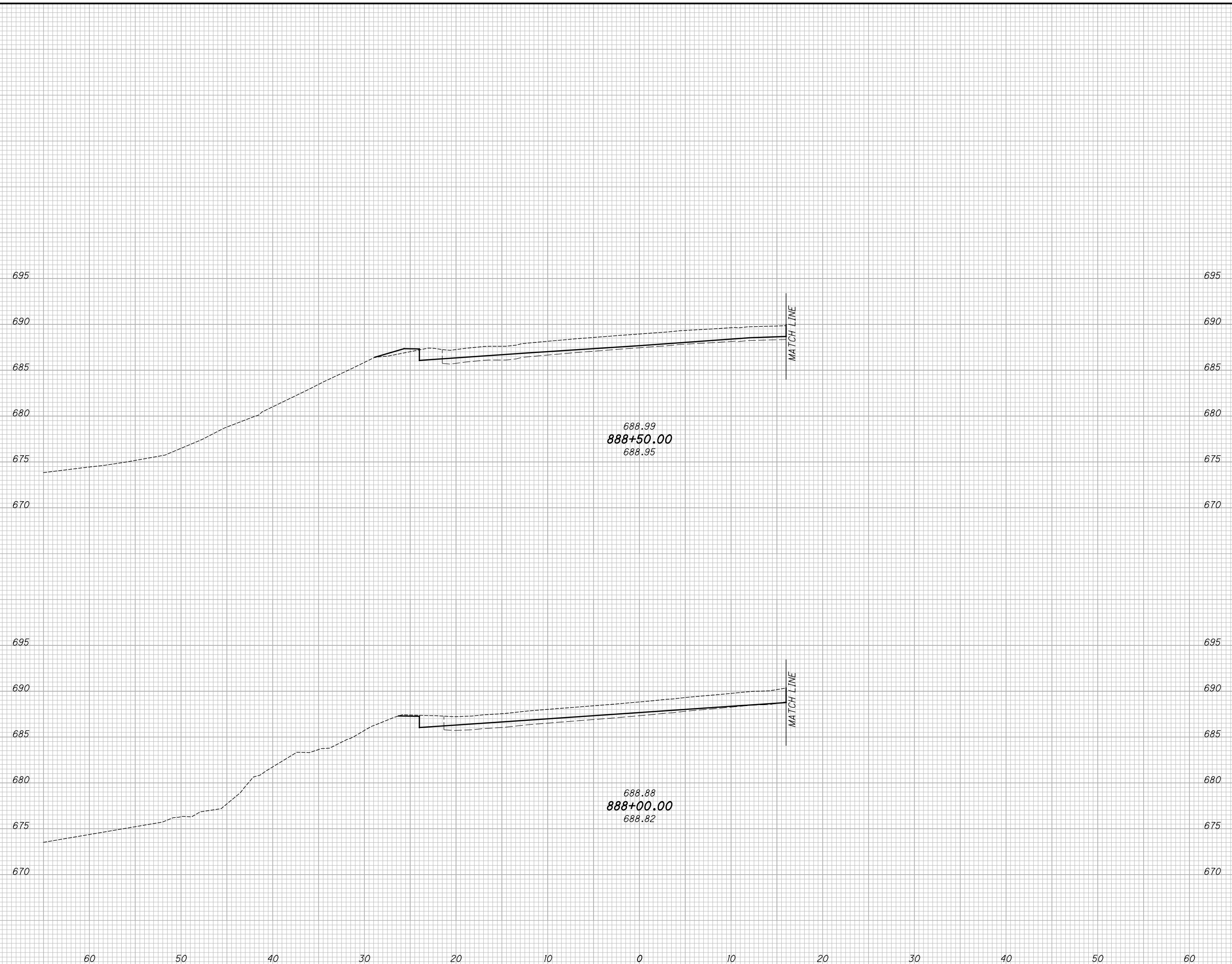
END AREA		VOLUME	
CUT	FILL	CUT	FILL
3	4	4	11
1	8	4	11

**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS S.R. 2 - RAMP A**  
**STA. 887+00.00 TO STA. 887+50.00**

724  
1253

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SEEDING	
END WIDTH	SO. YDS.
131	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
3	10	6	19
3	10	6	13
		12	32

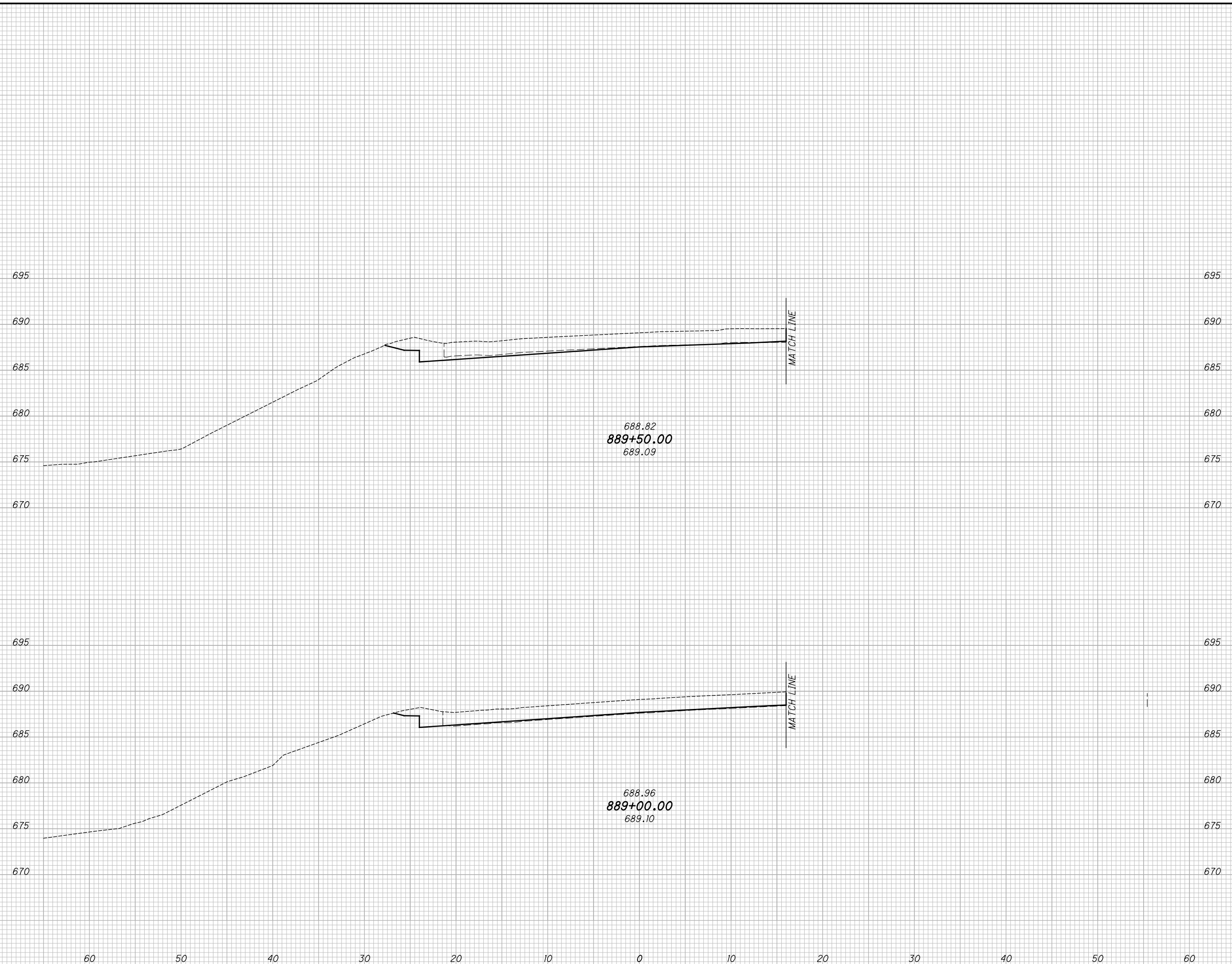
**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS S.R. 2 - RAMP A**  
**STA. 888+00.00 TO STA. 888+50.00**

725  
1253



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SEEDING	
END WIDTH	SO. YDS.
61	11
61	11
122	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
12	0	19	1
9	1	11	10
		30	11

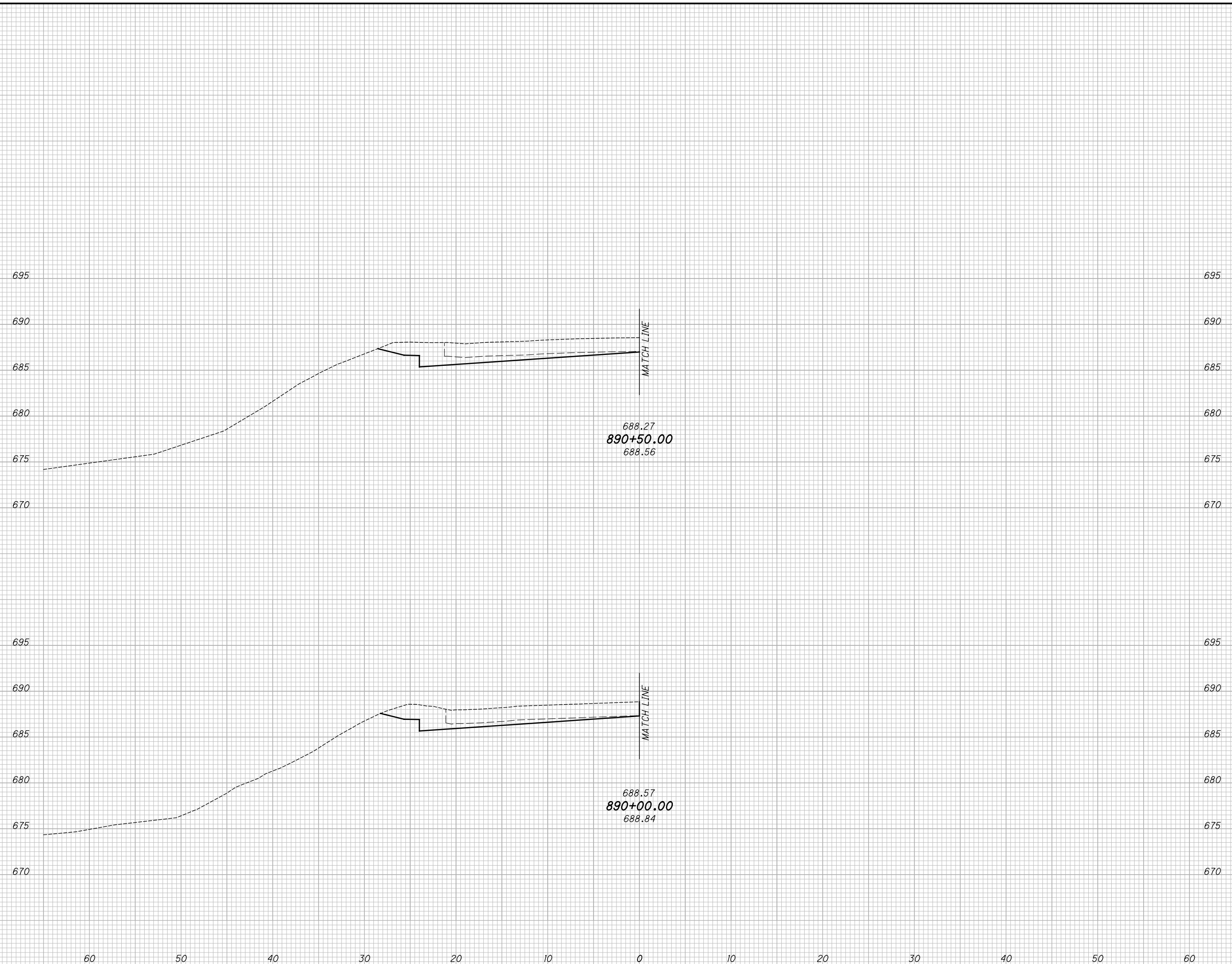
**CROSS SECTIONS S.R. 2 - RAMP A**  
**STA. 889+00.00 TO STA. 889+50.00**

**LAK-US-20-19.59**  
**PART 1**

726  
1253

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SEEDING	
END WIDTH	SO. YDS.
131	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
28	0	53	0
29	0	38	0
		91	0

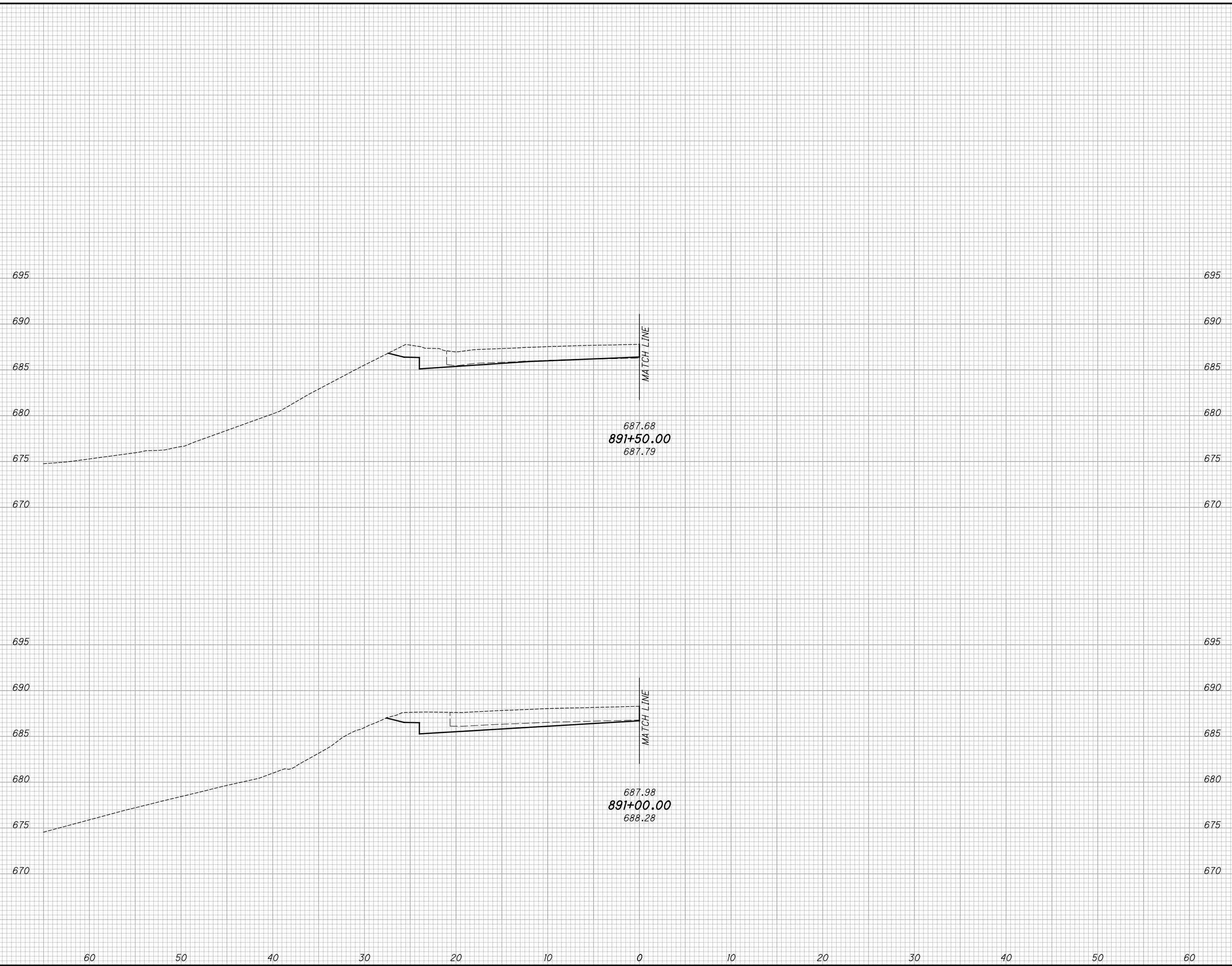
**CROSS SECTIONS S.R. 2 - RAMP A**  
**STA. 890+00.00 TO STA. 890+50.00**

**LAK-US-20-19.59**  
**PART 1**

727  
1253

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SEEDING	
END WIDTH	SO. YDS.
134	



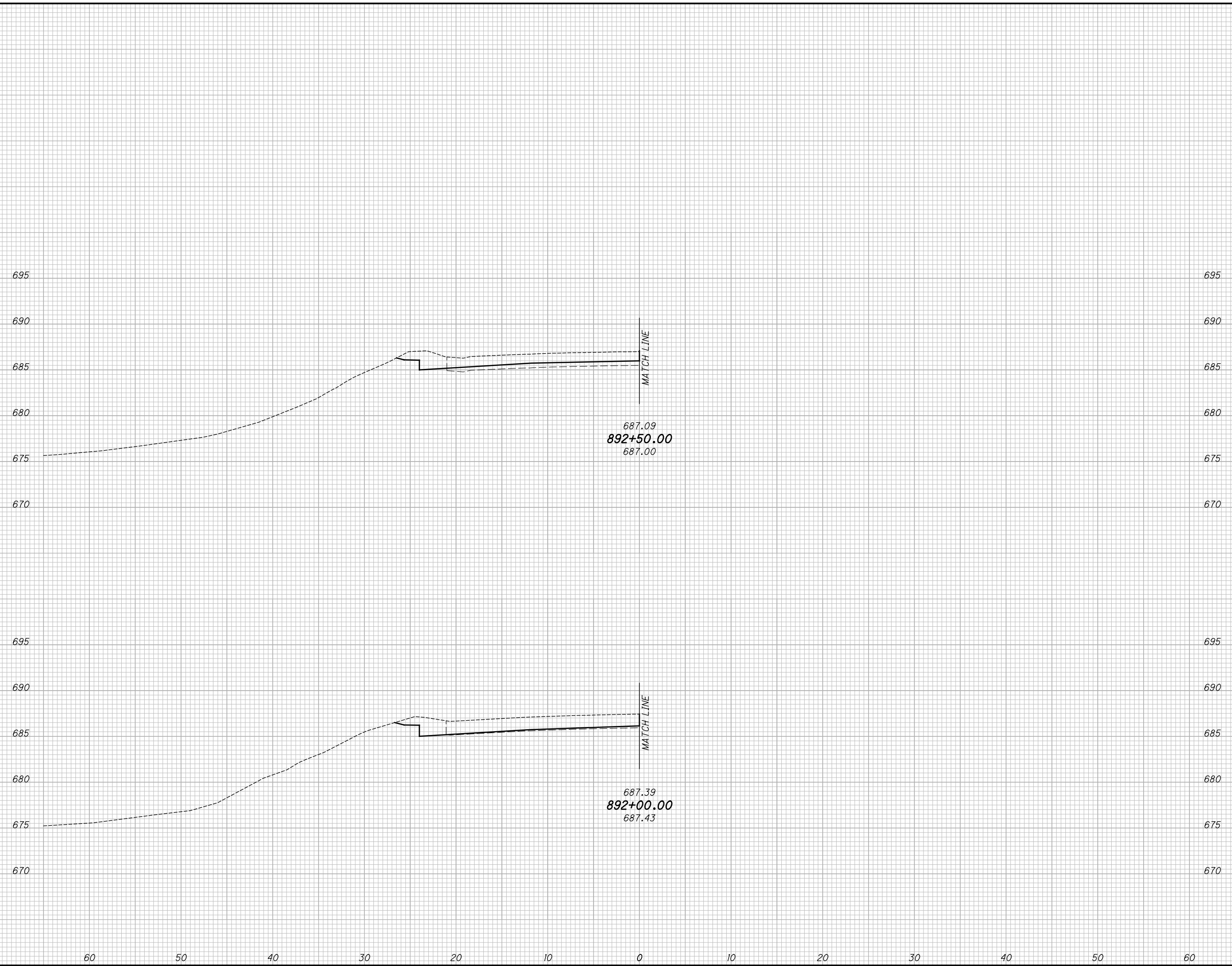
END AREA		VOLUME	
CUT	FILL	CUT	FILL
16	0	38	0
25	0	49	0
		87	0

**CROSS SECTIONS S.R. 2 - RAMP A**  
**STA. 891+00.00 TO STA. 891+50.00**  
**LAK-US-20-19.59**  
**PART 1**

728  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS501\_RAMPA.dgn XS\_SHEET\_Temporary\_model\_name\_7 7/15/2022 3:22:27 PM troyer

SEEDING	
END WIDTH	SO. YDS.
134	67
12	67
12	67
60	67
50	67
40	67
30	67
20	67
10	67
0	67
10	67
20	67
30	67
40	67
50	67
60	67



END AREA		VOLUME	
CUT	FILL	CUT	FILL
15	10	28	9
15	0	29	0
		57	9

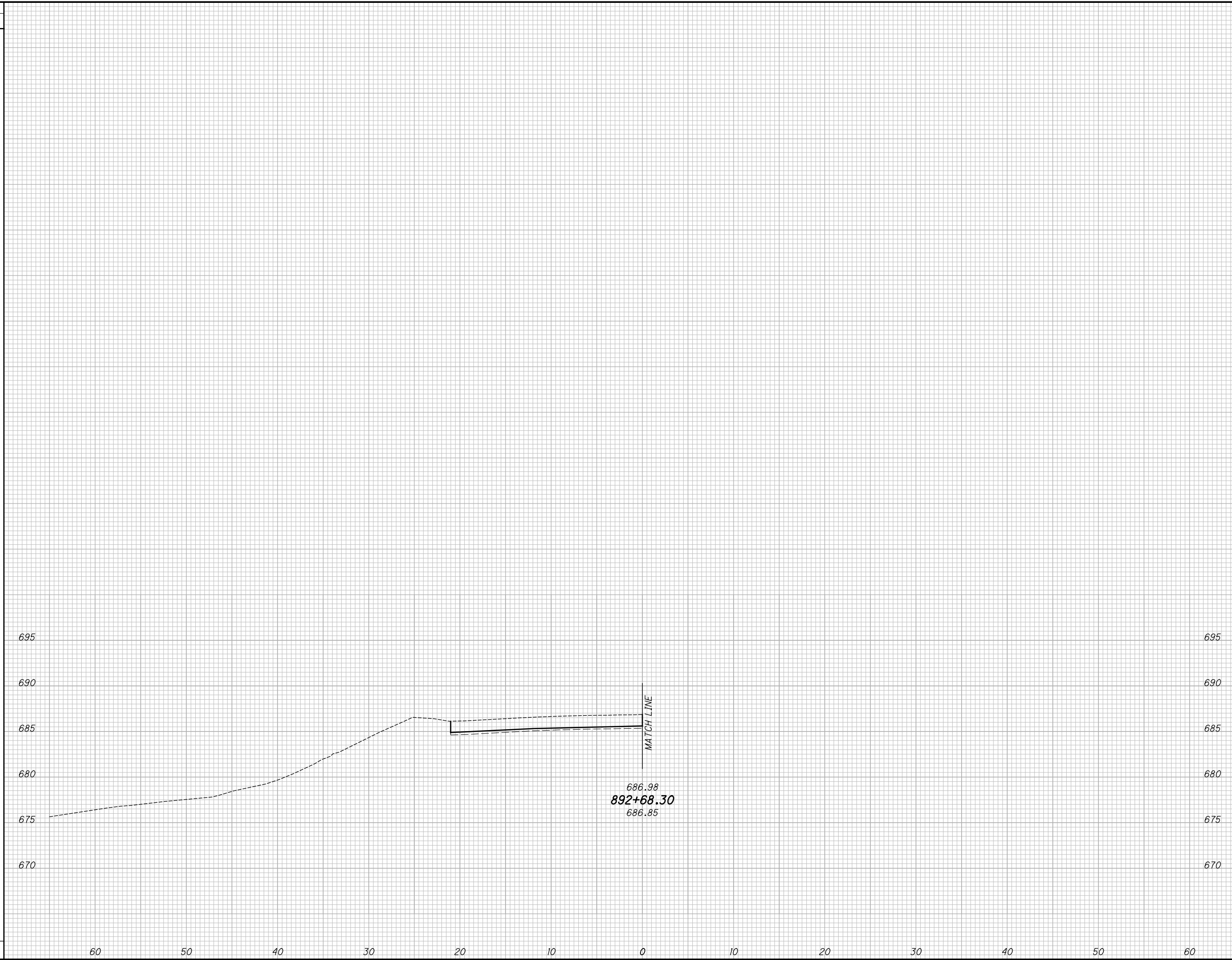
**CROSS SECTIONS S.R. 2 - RAMP A**  
**STA. 892+00.00 TO STA. 892+50.00**

**LAK-US-20-19.59**  
**PART 1**

729  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS501\_RAMPA.dgn XS\_SHEET\_Temporary\_model\_name.8 7/15/2022 3:22:27 PM troyer

SEEDING	
END WIDTH	SO. YDS.
14	
25	
25	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	4		
		5	5
		5	5

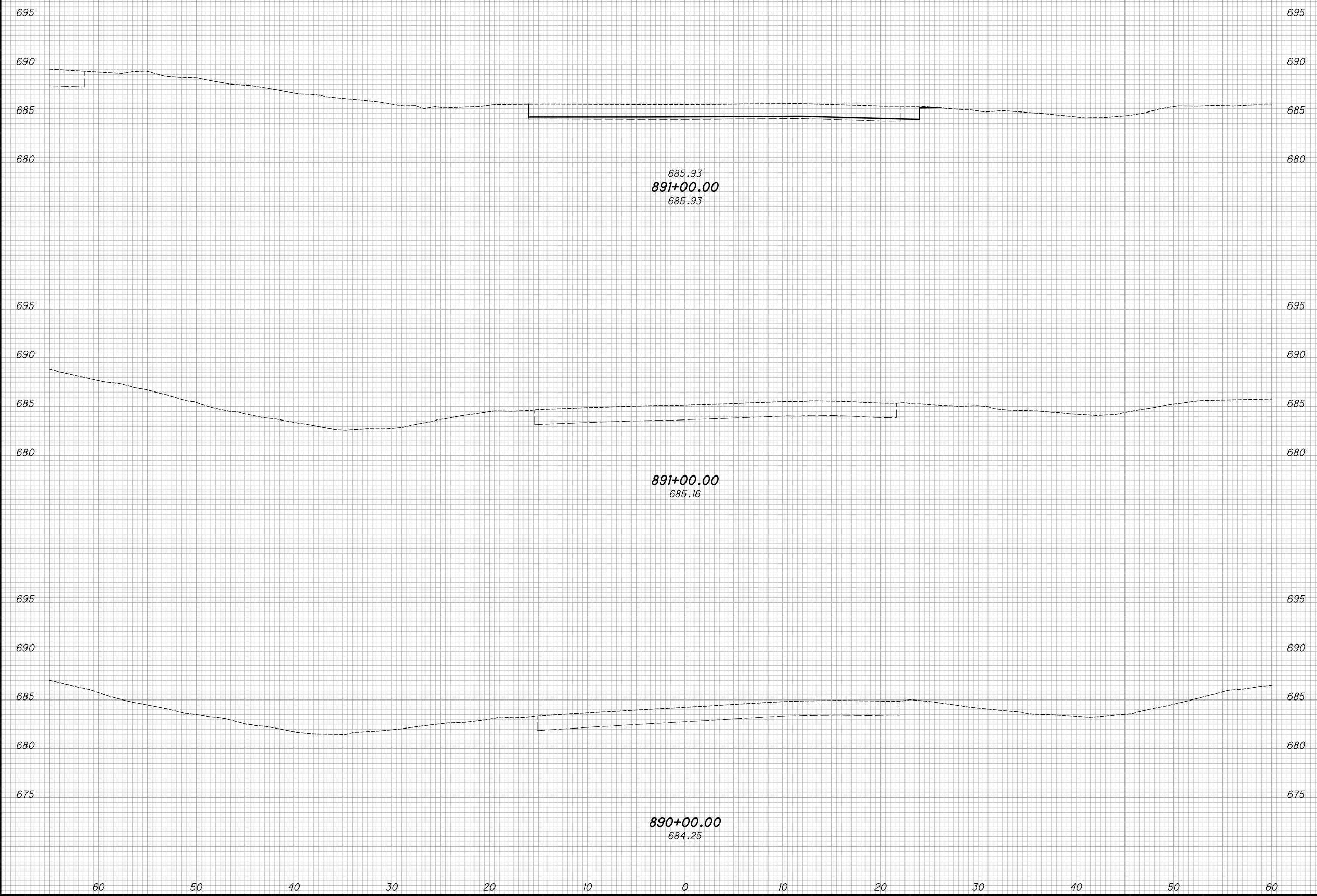
**LAK-US-20-19.59**  
**PART 1**  
**CROSS SECTIONS S.R. 2 - RAMP A**  
**STA. 892+68.30**

730  
1253

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SEEDING

END WIDTH	SO. YDS.
40	



END AREA		VOLUME	
CUT	FILL	CUT	FILL
2	8		

CALCULATED JMP  
CHECKED WDB

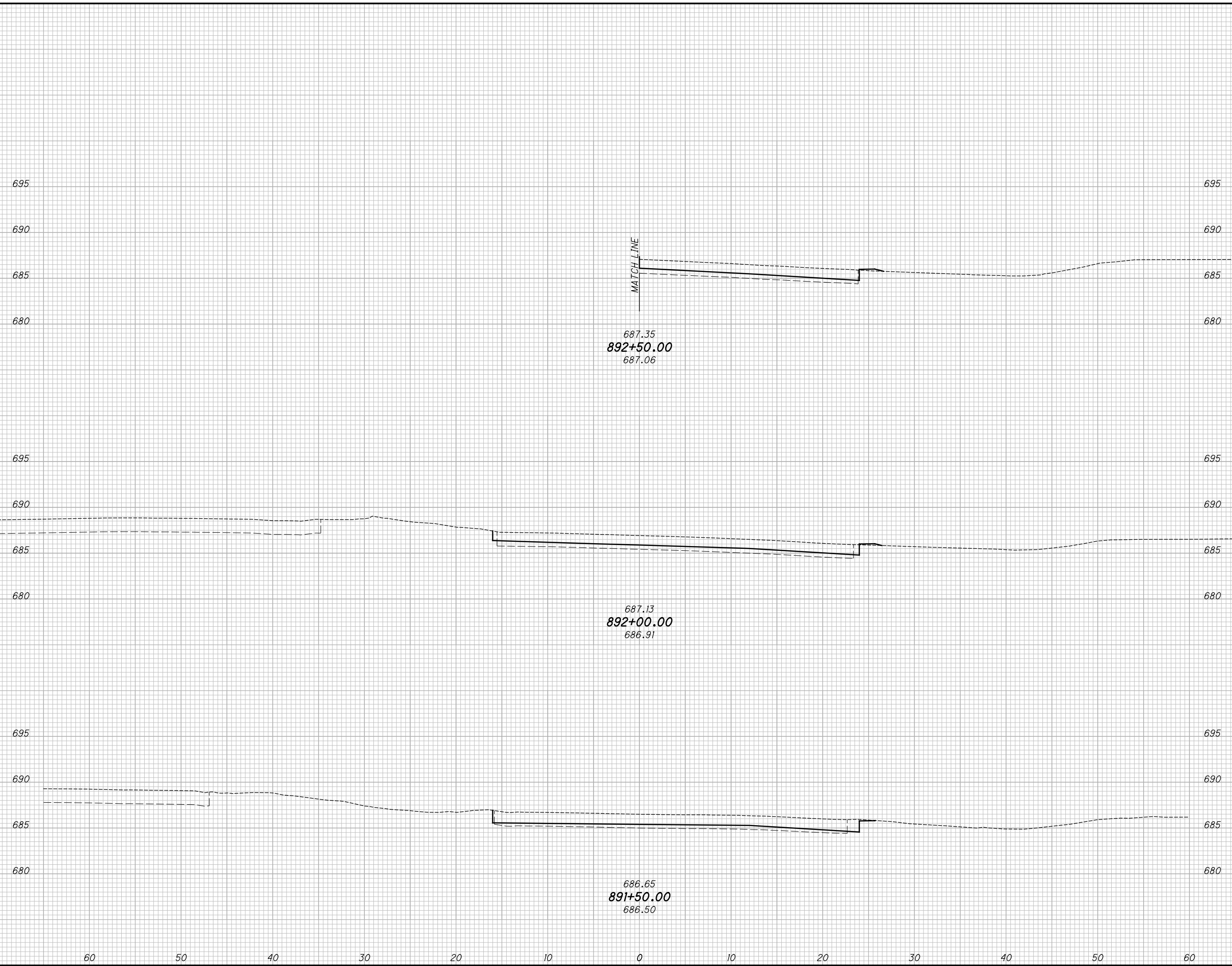
**LAK-US-20-19.59  
PART 1**

**CROSS SECTIONS S.R. 2 - RAMP B  
STA. 890+00.00 TO STA. 891+00.00**

731  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS501\_RAMPB.dgn XS\_SHEET\_Temporary\_model\_name.2 7/15/2022 3:22:30 PM Troyer

SEEDING	
END WIDTH	SO. YDS.
480	208
35	169
26	103
11	11



END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	12	2	22
2	12	4	19
2	8	4	15
		10	56

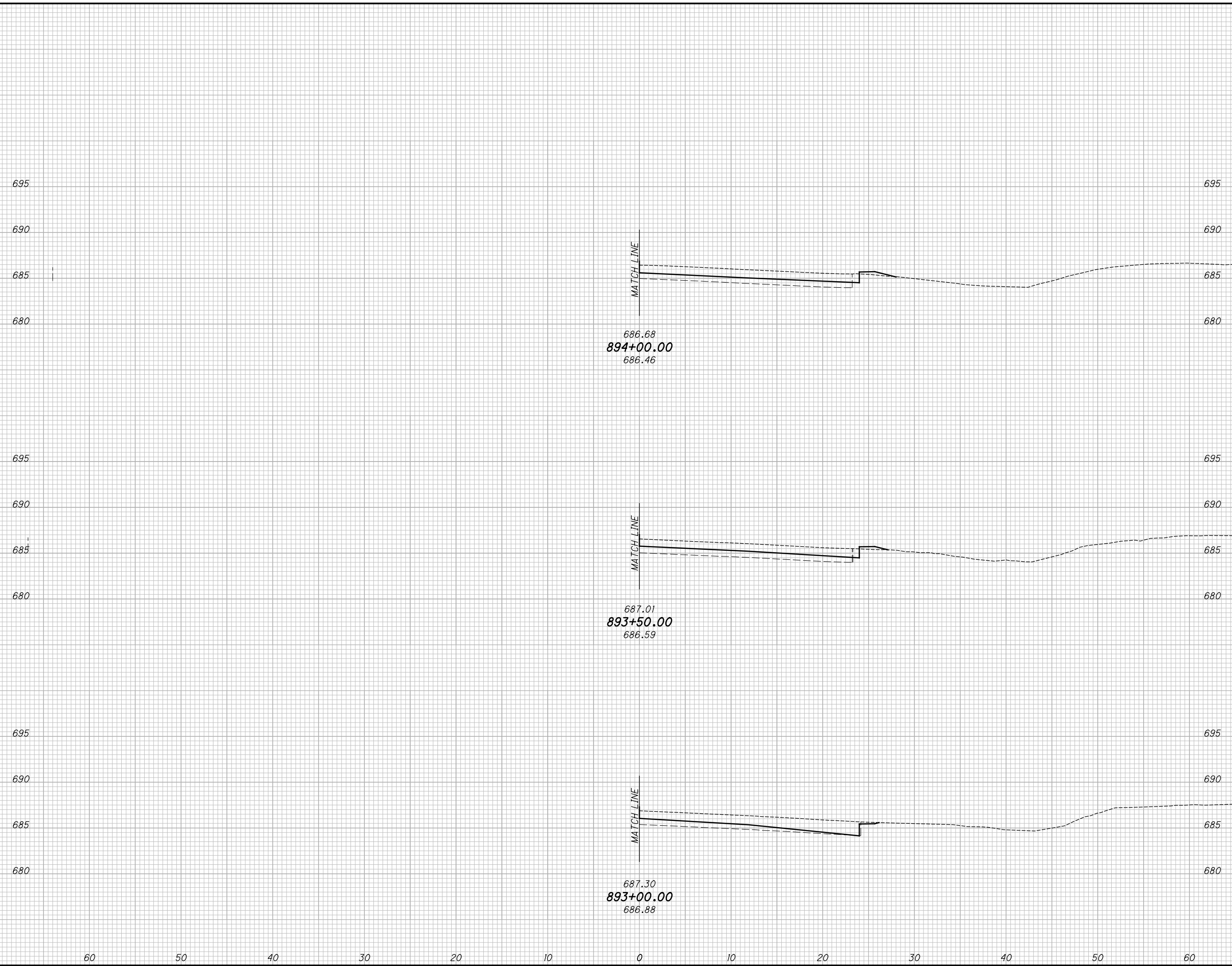
CROSS SECTIONS S.R. 2 - RAMP B  
 STA. 891+50.00 TO STA. 892+50.00

LAK-US-20-19.59  
 PART 1

732  
 1253

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SEEDING	
END WIDTH	SO. YDS.
205	69
60	14
60	72
60	64
60	11



END AREA		VOLUME	
CUT	FILL	CUT	FILL
1	15	2	29
1	16	2	24
1	10	1	20
		5	73

**CROSS SECTIONS S.R. 2 - RAMP B**  
**STA. 893+00.00 TO STA. 894+00.00**

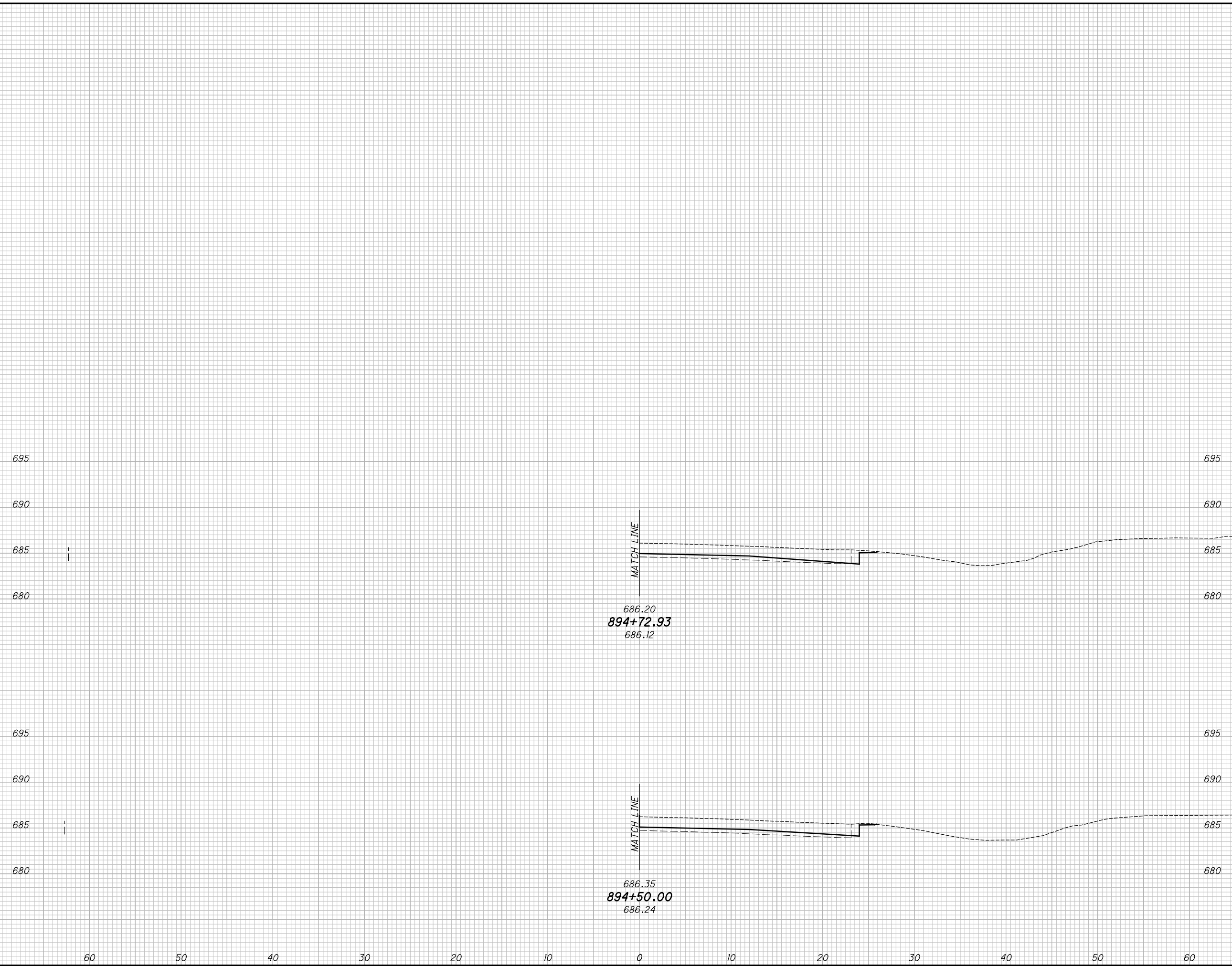
**LAK-US-20-19.59**  
**PART 1**

733  
1253



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SEEDING	END	
	WIDTH	SO. YDS.
	11	60
	61	58
	11	58
	114	58



END AREA		VOLUME	
CUT	FILL	CUT	FILL
2	8	1	8
1	12	2	25
3	33		

**CROSS SECTIONS S.R. 2 - RAMP B**  
**STA. 894+50.00 TO STA. 894+72.93**

**LAK-US-20-19.59**  
**PART 1**

734  
1253



**SUPERELEVATION TABLE**

P.I. STA. 146+62.84

Dc=2°01'34.8" RIGHT

LEFT SIDE					CENTERLINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
686.46		-0.37	-0.0160	23	144+08.53	686.83	23	-0.0160	-0.37		686.46	NC
686.62	200	-0.26	-0.0112	23	144+25.00	686.88	23	-0.0160	-0.37		686.51	
686.87	200	-0.09	-0.0040	23	144+50.00	686.96	23	-0.0160	-0.37		686.59	
687.00	200	0.00	0.0000	23	144+63.73	687.00	23	-0.0160	-0.37		686.63	HALF
687.12	200	0.08	0.0033	23	144+75.00	687.04	23	-0.0160	-0.37		686.67	
687.33	200	0.24	0.0105	23	145+00.00	687.09	23	-0.0160	-0.37		686.72	
687.49	200	0.37	0.0160	23	145+18.93	687.12	23	-0.0160	-0.37		686.75	RC
687.53	200	0.41	0.0178	23	145+25.00	687.12	23	-0.0178	-0.41	200	686.71	
687.66	200	0.54	0.0233	23	145+44.23	687.12	23	-0.0233	-0.54	200	686.58	PC
687.69	200	0.58	0.0250	23	145+50.00	687.11	23	-0.0250	-0.58	200	686.53	
687.82	200	0.74	0.0323	23	145+75.00	687.08	23	-0.0323	-0.74	200	686.34	
687.86	200	0.81	0.0350	23	145+84.48	687.05	23	-0.0350	-0.81	200	686.24	FULL
687.81		0.81	0.0350	23	146+00.00	687.00	23	-0.0350	-0.81		686.20	
687.71		0.81	0.0350	23	146+25.00	686.90	23	-0.0350	-0.81		686.10	
687.59		0.81	0.0350	23	146+50.00	686.78	23	-0.0350	-0.81		685.98	
687.47		0.81	0.0350	23	146+75.00	686.66	23	-0.0350	-0.81		685.86	
687.35		0.81	0.0350	23	147+00.00	686.54	23	-0.0350	-0.81		685.74	
687.23		0.81	0.0350	23	147+25.00	686.42	23	-0.0350	-0.81		685.62	
687.15		0.81	0.0350	23	147+41.06	686.34	23	-0.0350	-0.81		685.54	FULL
687.05	200	0.75	0.0324	23	147+50.00	686.30	23	-0.0324	-0.75	200	685.55	
686.76	200	0.58	0.0252	23	147+75.00	686.18	23	-0.0252	-0.58	200	685.60	
686.69	200	0.54	0.0233	23	147+81.31	686.15	23	-0.0233	-0.54	200	685.61	PT
686.47	200	0.41	0.0179	23	148+00.00	686.06	23	-0.0179	-0.41	200	685.65	
686.40	200	0.37	0.0160	23	148+06.61	686.03	23	-0.0160	-0.37	200	685.66	RC
686.19	200	0.25	0.0107	23	148+25.00	685.94	23	-0.0160	-0.37		685.57	
685.90	200	0.08	0.0034	23	148+50.00	685.82	23	-0.0160	-0.37		685.45	
685.77	200	0.00	0.0000	23	148+61.81	685.77	23	-0.0160	-0.37		685.40	HALF
685.63	200	-0.09	-0.0038	23	148+75.00	685.72	23	-0.0160	-0.37		685.35	
685.42	200	-0.25	-0.0111	23	149+00.00	685.67	23	-0.0160	-0.37		685.30	
685.29	200	-0.37	-0.0160	23	149+17.01	685.66	23	-0.0160	-0.37		685.29	NC

**SUPERELEVATION TABLE**

P.I. STA. 158+25.81

Dc=2°00'00" RIGHT

LEFT SIDE					CENTERLINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
687.19		-0.37	-0.0160	23	154+54.79	687.56	23	-0.0160	-0.37		687.19	NC
687.27	200	-0.23	-0.0101	23	154+75.00	687.50	23	-0.0160	-0.37		687.13	
687.35	200	-0.07	-0.0029	23	155+00.00	687.42	23	-0.0160	-0.37		687.05	
687.39	200	0.00	0.0000	23	155+09.99	687.39	23	-0.0160	-0.37		687.02	HALF
687.44	200	0.10	0.0044	23	155+25.00	687.34	23	-0.0160	-0.37		686.97	
687.54	200	0.27	0.0116	23	155+50.00	687.27	23	-0.0160	-0.37		686.90	
687.61	200	0.37	0.0160	23	155+65.19	687.24	23	-0.0160	-0.37		686.87	RC
687.66	200	0.43	0.0189	23	155+75.00	687.23	23	-0.0189	-0.43	200	686.80	
687.76	200	0.54	0.0233	23	155+90.49	687.22	23	-0.0233	-0.54	200	686.68	PC
687.82	200	0.60	0.0261	23	156+00.00	687.22	23	-0.0261	-0.60	200	686.62	
688.00	200	0.77	0.0334	23	156+25.00	687.23	23	-0.0334	-0.77	200	686.46	
688.04	200	0.81	0.0350	23	156+30.74	687.23	23	-0.0350	-0.81	200	686.42	FULL
688.07		0.81	0.0350	23	156+50.00	687.26	23	-0.0350	-0.81		686.46	
688.13		0.81	0.0350	23	156+75.00	687.32	23	-0.0350	-0.81		686.52	
688.21		0.81	0.0350	23	157+00.00	687.40	23	-0.0350	-0.81		686.60	
688.28		0.81	0.0350	23	157+25.00	687.47	23	-0.0350	-0.81		686.67	
688.34		0.81	0.0350	23	157+50.00	687.53	23	-0.0350	-0.81		686.73	
688.36		0.81	0.0350	23	157+75.00	687.55	23	-0.0350	-0.81		686.75	
688.34		0.81	0.0350	23	158+00.00	687.53	23	-0.0350	-0.81		686.73	
688.29		0.81	0.0350	23	158+25.00	687.48	23	-0.0350	-0.81		686.68	
688.19		0.81	0.0350	23	158+50.00	687.38	23	-0.0350	-0.81		686.58	
688.06		0.81	0.0350	23	158+75.00	687.25	23	-0.0350	-0.81		686.45	
687.91		0.81	0.0350	23	159+00.00	687.10	23	-0.0350	-0.81		686.30	
687.76		0.81	0.0350	23	159+25.00	686.95	23	-0.0350	-0.81		686.15	
687.61		0.81	0.0350	23	159+50.00	686.80	23	-0.0350	-0.81		686.00	
687.46		0.81	0.0350	23	159+75.00	686.65	23	-0.0350	-0.81		685.85	
687.31		0.81	0.0350	23	160+00.00	686.50	23	-0.0350	-0.81		685.70	
687.19		0.81	0.0350	23	160+19.83	686.38	23	-0.0350	-0.81		685.58	FULL
687.12	200	0.77	0.0335	23	160+25.00	686.35	23	-0.0335	-0.77	200	685.58	
686.80	200	0.60	0.0263	23	160+50.00	686.20	23	-0.0263	-0.60	200	685.60	
686.68	200	0.54	0.0233	23	160+60.07	686.14	23	-0.0233	-0.54	200	685.60	PT
STATION EQUATION												
686.68	200	0.54	0.0233	23	160+60.61	686.14	23	-0.0233	-0.54	200	685.60	
686.49	200	0.44	0.0192	23	160+75.00	686.05	23	-0.0192	-0.44	200	685.61	
687.35	200	0.37	0.0160	23	160+85.91	686.98	23	-0.0160	-0.37	200	686.61	HALF
686.17	200	0.27	0.0119	23	161+00.00	685.90	23	-0.0160	-0.37		685.53	
685.86	200	0.11	0.0047	23	161+25.00	685.75	23	-0.0160	-0.37		685.38	
685.66	200	0.00	0.0000	23	161+41.11	685.66	23	-0.0160	-0.37		685.29	RC
685.56	200	-0.06	-0.0026	23	161+50.00	685.62	23	-0.0160	-0.37		685.25	
685.30	200	-0.23	-0.0098	23	161+75.00	685.53	23	-0.0160	-0.37		685.16	
685.10	200	-0.37	-0.0160	23	161+96.31	685.47	23	-0.0160	-0.37		685.10	NC

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**SUPERELEVATION TABLE**  
**STA. 146+62.84 AND STA. 158+25.81**

**LAK-US-20-19.59**  
**PART 1**

**SUPERELEVATION TABLE**

P.I. STA. 208+74.52

Dc=2°00'00" RIGHT

LEFT SIDE					CENTERLINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
678.61		-0.37	-0.0160	23	205+86.98	678.98	23	-0.0160	-0.37		678.61	NC
678.74	200	-0.28	-0.0122	23	206+00.00	679.02	23	-0.0160	-0.37		678.65	
678.98	200	-0.11	-0.0050	23	206+25.00	679.10	23	-0.0160	-0.37		678.73	
679.15	200	0.00	0.0000	23	206+42.18	679.15	23	-0.0160	-0.37		678.78	HALF
679.22	200	0.05	0.0023	23	206+50.00	679.17	23	-0.0160	-0.37		678.80	
679.46	200	0.22	0.0095	23	206+75.00	679.25	23	-0.0160	-0.37		678.88	
679.68	200	0.37	0.0160	23	206+97.38	679.31	23	-0.0160	-0.37		678.94	RC
679.71	200	0.39	0.0168	23	207+00.00	679.32	23	-0.0168	-0.39	200	678.93	
679.93	200	0.54	0.0234	23	207+22.69	679.39	23	-0.0234	-0.54	200	678.85	PC
679.95	200	0.55	0.0240	23	207+25.00	679.40	23	-0.0240	-0.55	200	678.84	
680.19	200	0.72	0.0313	23	207+50.00	679.47	23	-0.0313	-0.72	200	678.75	
680.31	200	0.81	0.0350	23	207+62.93	679.51	23	-0.0350	-0.81	200	678.70	FULL
680.35		0.81	0.0350	23	207+75.00	679.55	23	-0.0350	-0.81		678.74	
680.43		0.81	0.0350	23	208+00.00	679.62	23	-0.0350	-0.81		678.82	
680.50		0.81	0.0350	23	208+25.00	679.70	23	-0.0350	-0.81		678.89	
680.58		0.81	0.0350	23	208+50.00	679.77	23	-0.0350	-0.81		678.97	
680.65		0.81	0.0350	23	208+75.00	679.85	23	-0.0350	-0.81		679.04	
680.73		0.81	0.0350	23	209+00.00	679.92	23	-0.0350	-0.81		679.12	
680.80		0.81	0.0350	23	209+25.00	680.00	23	-0.0350	-0.81		679.19	
680.88		0.81	0.0350	23	209+50.00	680.07	23	-0.0350	-0.81		679.27	
680.95		0.81	0.0350	23	209+75.00	680.15	23	-0.0350	-0.81		679.34	
680.98		0.81	0.0350	23	209+85.82	680.18	23	-0.0350	-0.81		679.37	FULL
680.93	200	0.71	0.0309	23	210+00.00	680.22	23	-0.0309	-0.71	200	679.51	
680.84	200	0.54	0.0236	23	210+25.00	680.30	23	-0.0236	-0.54	200	679.75	
680.83	200	0.54	0.0233	23	210+26.07	680.30	23	-0.0233	-0.54	200	679.76	PT
680.75	200	0.38	0.0164	23	210+50.00	680.37	23	-0.0164	-0.38	200	679.99	
680.74	200	0.37	0.0160	23	210+51.37	680.37	23	-0.0160	-0.37	200	680.01	RC
680.66	200	0.21	0.0091	23	210+75.00	680.45	23	-0.0160	-0.37		680.08	
680.56	200	0.04	0.0019	23	211+00.00	680.52	23	-0.0160	-0.37		680.15	
680.54	200	0.00	0.0000	23	211+06.57	680.54	23	-0.0160	-0.37		680.17	HALF
680.47	200	-0.12	-0.0054	23	211+25.00	680.60	23	-0.0160	-0.37		680.23	
680.38	200	-0.29	-0.0126	23	211+50.00	680.67	23	-0.0160	-0.37		680.30	
680.34	200	-0.37	-0.0160	23	211+61.77	680.71	23	-0.0160	-0.37		680.34	NC

**SUPERELEVATION TABLE**

P.I. STA. 229+21.41

Dc=2°00'00" RIGHT

LEFT SIDE					CENTERLINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
678.47		-0.37	-0.0160	23	226+96.05	678.84	23	-0.0160	-0.37		678.47	NC
678.54	200	-0.34	-0.0149	23	227+00.00	678.88	23	-0.0160	-0.37		678.51	
678.97	200	-0.18	-0.0076	23	227+25.00	679.14	23	-0.0160	-0.37		678.78	
679.40	200	-0.01	-0.0004	23	227+50.00	679.41	23	-0.0160	-0.37		679.04	
679.42	200	0.00	0.0000	23	227+51.25	679.42	23	-0.0160	-0.37		679.05	HALF
679.83	200	0.16	0.0069	23	227+75.00	679.67	23	-0.0160	-0.37		679.31	
680.26	200	0.32	0.0141	23	228+00.00	679.94	23	-0.0160	-0.37		679.57	
680.38	200	0.37	0.0160	23	228+06.45	680.01	23	-0.0160	-0.37	200	679.64	RC
680.70	200	0.49	0.0214	23	228+25.00	680.20	23	-0.0214	-0.49	200	679.71	
680.81	200	0.54	0.0233	23	228+31.75	680.28	23	-0.0233	-0.54	200	679.74	PC
681.13	200	0.66	0.0286	23	228+50.00	680.47	23	-0.0286	-0.66	200	679.81	
681.51	200	0.81	0.0350	23	228+72.00	680.70	23	-0.0350	-0.81	200	679.90	FULL
681.54		0.81	0.0350	23	228+75.00	680.73	23	-0.0350	-0.81		679.93	
681.80		0.81	0.0350	23	229+00.00	681.00	23	-0.0350	-0.81		680.19	
682.07		0.81	0.0350	23	229+25.00	681.26	23	-0.0350	-0.81		680.46	
682.33		0.81	0.0350	23	229+50.00	681.53	23	-0.0350	-0.81		680.72	
682.55		0.81	0.0350	23	229+70.76	681.75	23	-0.0350	-0.81		680.94	FULL
682.57	200	0.78	0.0338	23	229+75.00	681.79	23	-0.0338	-0.78	200	681.02	
682.67	200	0.61	0.0265	23	230+00.00	682.06	23	-0.0265	-0.61	200	681.45	
682.71	200	0.54	0.0233	23	230+11.00	682.18	23	-0.0233	-0.54	200	681.64	PT
682.77	200	0.44	0.0193	23	230+25.00	682.32	23	-0.0193	-0.44	200	681.88	
682.81	200	0.37	0.0160	23	230+36.31	682.44	23	-0.0160	-0.37	200	682.08	RC
682.87	200	0.28	0.0120	23	230+50.00	682.59	23	-0.0160	-0.37		682.22	
682.96	200	0.11	0.0048	23	230+75.00	682.85	23	-0.0160	-0.37		682.49	
683.03	200	0.00	0.0000	23	230+91.51	683.03	23	-0.0160	-0.37		682.66	HALF
683.06	200	-0.06	-0.0025	23	231+00.00	683.12	23	-0.0160	-0.37		682.75	
683.16	200	-0.22	-0.0097	23	231+25.00	683.38	23	-0.0160	-0.37		683.02	
683.25	200	-0.37	-0.0160	23	231+46.71	683.61	23	-0.0160	-0.37		683.25	NC

CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

**SUPERELEVATION TABLE**  
**STA. 208+74.52 AND STA. 229+21.41**

**LAK-US-20-19.59**  
**PART 1**

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### SUPERELEVATION TABLE

P.I. STA. 313+75.90

Dc=2°00'00.0" RIGHT

LEFT SIDE					CENTERLINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
670.87		-0.37	-0.0160	23	304+32.51	671.24	23	-0.0160	-0.37		670.87	NC
670.80	200	-0.25	-0.0109	23	304+50.00	671.05	23	-0.0160	-0.37		670.68	
670.65	200	-0.08	-0.0037	23	304+75.00	670.73	23	-0.0160	-0.37		670.36	
670.55	200	0.00	0.0000	23	304+87.71	670.55	23	-0.0160	-0.37		670.18	HALF
670.44	200	0.08	0.0036	23	305+00.00	670.36	23	-0.0160	-0.37		669.99	
670.18	200	0.25	0.0108	23	305+25.00	669.93	23	-0.0160	-0.37		669.56	
669.96	200	0.37	0.0160	23	305+42.91	669.59	23	-0.0160	-0.37		669.22	RC
669.87	200	0.42	0.0181	23	305+50.00	669.45	23	-0.0181	-0.42	200	669.03	
669.62	200	0.54	0.0233	23	305+68.21	669.08	23	-0.0233	-0.54	200	668.54	PC
669.52	200	0.58	0.0253	23	305+75.00	668.94	23	-0.0253	-0.58	200	668.36	
669.18	200	0.75	0.0326	23	306+00.00	668.43	23	-0.0326	-0.75	200	667.68	
669.06	200	0.81	0.0350	23	306+08.46	668.26	23	-0.0350	-0.81	200	667.45	FULL
668.73		0.81	0.0350	23	306+25.00	667.92	23	-0.0350	-0.81		667.12	
668.22		0.81	0.0350	23	306+50.00	667.41	23	-0.0350	-0.81		666.61	
667.71		0.81	0.0350	23	306+75.00	666.90	23	-0.0350	-0.81		666.10	
667.20		0.81	0.0350	23	307+00.00	666.39	23	-0.0350	-0.81		665.59	
666.69		0.81	0.0350	23	307+25.00	665.88	23	-0.0350	-0.81		665.08	
666.18		0.81	0.0350	23	307+50.00	665.37	23	-0.0350	-0.81		664.57	
665.67		0.81	0.0350	23	307+75.00	664.86	23	-0.0350	-0.81		664.06	
665.16		0.81	0.0350	23	308+00.00	664.35	23	-0.0350	-0.81		663.55	
664.65		0.81	0.0350	23	308+25.00	663.84	23	-0.0350	-0.81		663.04	
664.14		0.81	0.0350	23	308+50.00	663.33	23	-0.0350	-0.81		662.53	
663.63		0.81	0.0350	23	308+75.00	662.82	23	-0.0350	-0.81		662.02	
663.12		0.81	0.0350	23	309+00.00	662.31	23	-0.0350	-0.81		661.51	
662.61		0.81	0.0350	23	309+25.00	661.80	23	-0.0350	-0.81		661.00	
662.10		0.81	0.0350	23	309+50.00	661.29	23	-0.0350	-0.81		660.49	
661.59		0.81	0.0350	23	309+75.00	660.78	23	-0.0350	-0.81		659.98	
661.08		0.81	0.0350	23	310+00.00	660.27	23	-0.0350	-0.81		659.47	
660.57		0.81	0.0350	23	310+25.00	659.76	23	-0.0350	-0.81		658.96	
660.06		0.81	0.0350	23	310+50.00	659.25	23	-0.0350	-0.81		658.45	
659.55		0.81	0.0350	23	310+75.00	658.74	23	-0.0350	-0.81		657.94	
659.04		0.81	0.0350	23	311+00.00	658.23	23	-0.0350	-0.81		657.43	
658.53		0.81	0.0350	23	311+25.00	657.72	23	-0.0350	-0.81		656.92	
658.02		0.81	0.0350	23	311+50.00	657.21	23	-0.0350	-0.81		656.41	
657.51		0.81	0.0350	23	311+75.00	656.70	23	-0.0350	-0.81		655.90	
657.00		0.81	0.0350	23	312+00.00	656.19	23	-0.0350	-0.81		655.39	
656.49		0.81	0.0350	23	312+25.00	655.68	23	-0.0350	-0.81		654.88	
655.98		0.81	0.0350	23	312+50.00	655.17	23	-0.0350	-0.81		654.37	
655.47		0.81	0.0350	23	312+75.00	654.66	23	-0.0350	-0.81		653.86	
654.96		0.81	0.0350	23	313+00.00	654.15	23	-0.0350	-0.81		653.35	
654.47		0.81	0.0350	23	313+25.00	653.67	23	-0.0350	-0.81		652.86	
654.04		0.81	0.0350	23	313+50.00	653.24	23	-0.0350	-0.81		652.43	
653.67		0.81	0.0350	23	313+75.00	652.86	23	-0.0350	-0.81		652.06	
653.35		0.81	0.0350	23	314+00.00	652.55	23	-0.0350	-0.81		651.74	
653.08		0.81	0.0350	23	314+25.00	652.28	23	-0.0350	-0.81		651.47	
652.87		0.81	0.0350	23	314+50.00	652.07	23	-0.0350	-0.81		651.26	
652.72		0.81	0.0350	23	314+75.00	651.91	23	-0.0350	-0.81		651.11	
652.62		0.81	0.0350	23	315+00.00	651.81	23	-0.0350	-0.81		651.01	
652.57		0.81	0.0350	23	315+25.00	651.76	23	-0.0350	-0.81		650.96	
652.57		0.81	0.0350	23	315+50.00	651.77	23	-0.0350	-0.81		650.96	
652.63		0.81	0.0350	23	315+75.00	651.83	23	-0.0350	-0.81		651.02	
652.75		0.81	0.0350	23	316+00.00	651.95	23	-0.0350	-0.81		651.14	
652.92		0.81	0.0350	23	316+25.00	652.11	23	-0.0350	-0.81		651.31	
653.14		0.81	0.0350	23	316+50.00	652.34	23	-0.0350	-0.81		651.53	
653.42		0.81	0.0350	23	316+75.00	652.62	23	-0.0350	-0.81		651.81	
653.76		0.81	0.0350	23	317+00.00	652.95	23	-0.0350	-0.81		652.15	
654.12		0.81	0.0350	23	317+25.00	653.31	23	-0.0350	-0.81		652.51	
654.48		0.81	0.0350	23	317+50.00	653.67	23	-0.0350	-0.81		652.87	
654.84		0.81	0.0350	23	317+75.00	654.03	23	-0.0350	-0.81		653.23	
655.20		0.81	0.0350	23	318+00.00	654.39	23	-0.0350	-0.81		653.59	

### SUPERELEVATION TABLE

P.I. STA. 313+75.90

Dc=2°00'00" RIGHT

LEFT SIDE					CENTERLINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
655.56		0.81	0.0350	23	318+25.00	654.75	23	-0.0350	-0.81		653.95	
655.92		0.81	0.0350	23	318+50.00	655.11	23	-0.0350	-0.81		654.31	
656.28		0.81	0.0350	23	318+75.00	655.47	23	-0.0350	-0.81		654.67	
656.64		0.81	0.0350	23	319+00.00	655.83	23	-0.0350	-0.81		655.03	
657.00		0.81	0.0350	23	319+25.00	656.19	23	-0.0350	-0.81		655.39	
657.36		0.81	0.0350	23	319+50.00	656.55	23	-0.0350	-0.81		655.75	
657.72		0.81	0.0350	23	319+75.00	656.91	23	-0.0350	-0.81		656.11	
658.08		0.81	0.0350	23	320+00.00	657.27	23	-0.0350	-0.81		656.47	
658.44		0.81	0.0350	23	320+25.00	657.63	23	-0.0350	-0.81		656.83	
658.80		0.81	0.0350	23	320+50.00	657.99	23	-0.0350	-0.81		657.19	
659.16		0.81	0.0350	23	320+75.00	658.35	23	-0.0350	-0.81		657.55	
659.52		0.81	0.0350	23	321+00.00	658.71	23	-0.0350	-0.81		657.91	
659.55		0.81	0.0350	23	321+02.47	658.75	23	-0.0350	-0.81		657.94	FULL
659.72	200	0.65	0.0285	23	321+25.00	659.07	23	-0.0285	-0.65	200	658.42	
659.86	200	0.54	0.0233	23	321+42.71	659.33	23	-0.0233	-0.54	200	658.79	PT
659.92	200	0.49	0.0212	23	321+50.00	659.43	23	-0.0212	-0.49	200	658.94	
660.06	200	0.37	0.0160	23	321+68.02	659.69	23	-0.0160	-0.37	200	659.32	RC
660.11	200	0.32	0.0140	23	321+75.00	659.79	23	-0.0160	-0.37		659.42	
660.31	200	0.16	0.0067	23	322+00.00	660.15	23	-0.0160	-0.37		659.78	
660.48	200	0.00	0.0000	23	322+23.22	660.48	23	-0.0160	-0.37		660.12	HALF
660.50	200	-0.01	-0.0005	23	322+25.00	660.51	23	-0.0160	-0.37		660.14	
660.69	200	-0.18	-0.0078	23	322+50.00	660.87	23	-0.0160	-0.37		660.50	
660.88	200	-0.35	-0.0150	23	322+75.00	661.23	23	-0.0160	-0.37		660.86	
660.91	200	-0.37	-0.0160	23	322+78.42	661.28	23	-0.0160	-0.37		660.91	NC

SUPERELEVATION TABLE

STA. 313+75.90

LAK-US-20-19.59  
PART 1

CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

**SUPERELEVATION TABLE**

P.I. STA. 332+46.47

Dc=0°59'57.3" LEFT

LEFT SIDE					CENTERLINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
665.79		-0.37	-0.0160	23	326+05.35	666.16	23	-0.0160	-0.37		665.79	NC
666.10		-0.37	-0.0160	23	326+25.00	666.47	23	-0.0103	-0.24	200	666.23	
666.50		-0.37	-0.0160	23	326+50.00	666.87	23	-0.0031	-0.07	200	666.80	
666.67		-0.37	-0.0160	23	326+60.55	667.04	23	0.0000	0.00	200	667.04	HALF
666.90		-0.37	-0.0160	23	326+75.00	667.27	23	0.0042	0.10	200	667.37	
667.29		-0.37	-0.0160	23	327+00.00	667.66	23	0.0115	0.26	200	667.93	
667.40		-0.37	-0.0160	23	327+06.55	667.76	23	0.0134	0.31	200	668.07	PC
667.54		-0.37	-0.0160	23	327+15.75	667.90	23	0.0160	0.37	200	668.27	RC
667.61	200	-0.43	-0.0187	23	327+25.00	668.04	23	0.0187	0.43	200	668.47	
667.65	200	-0.46	-0.0200	23	327+29.55	668.11	23	0.0200	0.46	200	668.57	FULL
667.95		-0.46	-0.0200	23	327+50.00	668.41	23	0.0200	0.46		668.87	
668.30		-0.46	-0.0200	23	327+75.00	668.76	23	0.0200	0.46		669.22	
668.63		-0.46	-0.0200	23	328+00.00	669.09	23	0.0200	0.46		669.55	
668.96		-0.46	-0.0200	23	328+25.00	669.42	23	0.0200	0.46		669.88	
669.27		-0.46	-0.0200	23	328+50.00	669.73	23	0.0200	0.46		670.19	
669.59		-0.46	-0.0200	23	328+75.00	670.05	23	0.0200	0.46		670.51	
669.90		-0.46	-0.0200	23	329+00.00	670.36	23	0.0200	0.46		670.82	
670.22		-0.46	-0.0200	23	329+25.00	670.68	23	0.0200	0.46		671.14	
670.51		-0.46	-0.0200	23	329+50.00	670.97	23	0.0200	0.46		671.43	
670.77		-0.46	-0.0200	23	329+75.00	671.23	23	0.0200	0.46		671.69	
670.98		-0.46	-0.0200	23	330+00.00	671.44	23	0.0200	0.46		671.90	
671.16		-0.46	-0.0200	23	330+25.00	671.62	23	0.0200	0.46		672.08	
671.30		-0.46	-0.0200	23	330+50.00	671.76	23	0.0200	0.46		672.22	
671.40		-0.46	-0.0200	23	330+75.00	671.86	23	0.0200	0.46		672.32	
671.48		-0.46	-0.0200	23	331+00.00	671.94	23	0.0200	0.46		672.40	
671.56		-0.46	-0.0200	23	331+25.00	672.02	23	0.0200	0.46		672.48	
671.64		-0.46	-0.0200	23	331+50.00	672.10	23	0.0200	0.46		672.56	
671.72		-0.46	-0.0200	23	331+75.00	672.18	23	0.0200	0.46		672.64	
671.80		-0.46	-0.0200	23	332+00.00	672.26	23	0.0200	0.46		672.72	
671.88		-0.46	-0.0200	23	332+25.00	672.34	23	0.0200	0.46		672.80	
671.96		-0.46	-0.0200	23	332+50.00	672.42	23	0.0200	0.46		672.88	
672.04		-0.46	-0.0200	23	332+75.00	672.50	23	0.0200	0.46		672.96	
672.12		-0.46	-0.0200	23	333+00.00	672.58	23	0.0200	0.46		673.04	
672.20		-0.46	-0.0200	23	333+25.00	672.66	23	0.0200	0.46		673.12	
672.28		-0.46	-0.0200	23	333+50.00	672.74	23	0.0200	0.46		673.20	
672.36		-0.46	-0.0200	23	333+75.00	672.82	23	0.0200	0.46		673.28	
672.44		-0.46	-0.0200	23	334+00.00	672.90	23	0.0200	0.46		673.36	
672.52		-0.46	-0.0200	23	334+25.00	672.98	23	0.0200	0.46		673.44	
672.59		-0.46	-0.0200	23	334+50.00	673.05	23	0.0200	0.46		673.51	
672.63		-0.46	-0.0200	23	334+75.00	673.09	23	0.0200	0.46		673.55	
672.64		-0.46	-0.0200	23	335+00.00	673.10	23	0.0200	0.46		673.56	
672.63		-0.46	-0.0200	23	335+25.00	673.09	23	0.0200	0.46		673.55	
672.60		-0.46	-0.0200	23	335+50.00	673.06	23	0.0200	0.46		673.52	
672.54		-0.46	-0.0200	23	335+75.00	673.00	23	0.0200	0.46		673.46	
672.47		-0.46	-0.0200	23	336+00.00	672.93	23	0.0200	0.46		673.39	
672.39		-0.46	-0.0200	23	336+25.00	672.85	23	0.0200	0.46		673.31	
672.32		-0.46	-0.0200	23	336+50.00	672.78	23	0.0200	0.46		673.24	
672.24		-0.46	-0.0200	23	336+75.00	672.70	23	0.0200	0.46		673.16	
672.17		-0.46	-0.0200	23	337+00.00	672.63	23	0.0200	0.46		673.09	
672.09		-0.46	-0.0200	23	337+25.00	672.55	23	0.0200	0.46		673.01	
672.02		-0.46	-0.0200	23	337+50.00	672.48	23	0.0200	0.46		672.94	

**SUPERELEVATION TABLE**

P.I. STA. 332+46.47

Dc=0°59'57.3" LEFT

LEFT SIDE					CENTERLINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
672.00		-0.46	-0.0200	23	337+60.22	672.46	23	0.0200	0.46		672.92	FULL
672.08	200	-0.37	-0.0160	23	337+74.02	672.45	23	0.0160	0.37	200	672.82	RC
672.08		-0.37	-0.0160	23	337+75.00	672.45	23	0.0157	0.36	200	672.81	
672.07		-0.37	-0.0160	23	337+83.22	672.44	23	0.0133	0.31	200	672.75	PT
672.06		-0.37	-0.0160	23	338+00.00	672.43	23	0.0085	0.20	200	672.63	
STATION EQUATION												
672.06		-0.37	-0.0160	23	338+55.62	672.43	23	0.0085	0.20	200	672.63	
672.07		-0.37	-0.0160	23	338+75.00	672.44	23	0.0029	0.07	200	672.51	
672.08		-0.37	-0.0160	23	338+84.84	672.45	23	0.0000	0.00	200	672.45	HALF
672.10		-0.37	-0.0160	23	339+00.00	672.47	23	-0.0044	-0.10	200	672.37	
672.16		-0.37	-0.0160	23	339+25.00	672.53	23	-0.0116	-0.27	200	672.26	
672.21		-0.37	-0.0160	23	339+40.04	672.58	23	-0.0160	-0.37	200	672.21	NC

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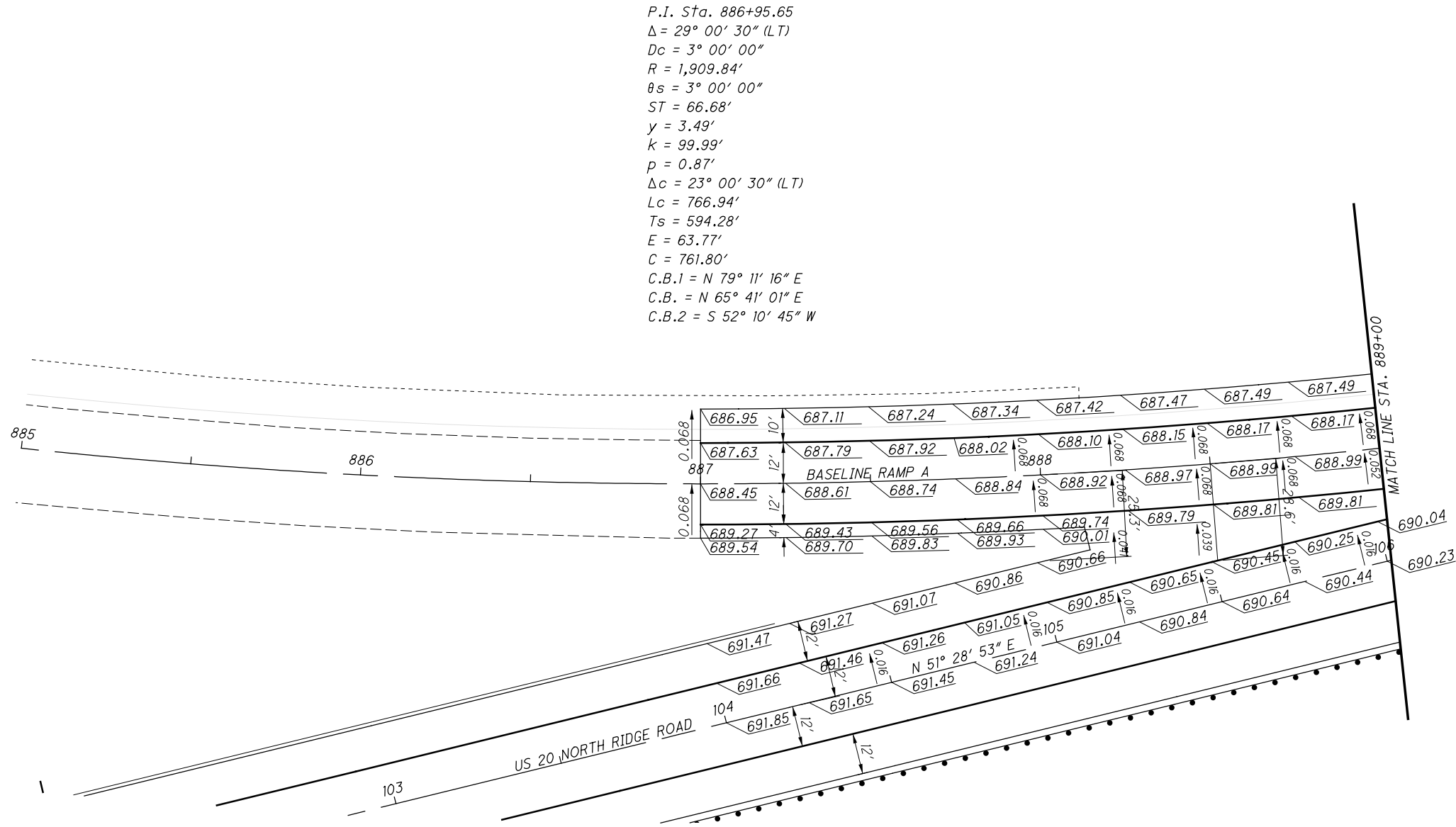
CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

**SUPERELEVATION TABLE**

**STA. 332+46.47**

**LAK-US-20-19.59**

**PART 1**

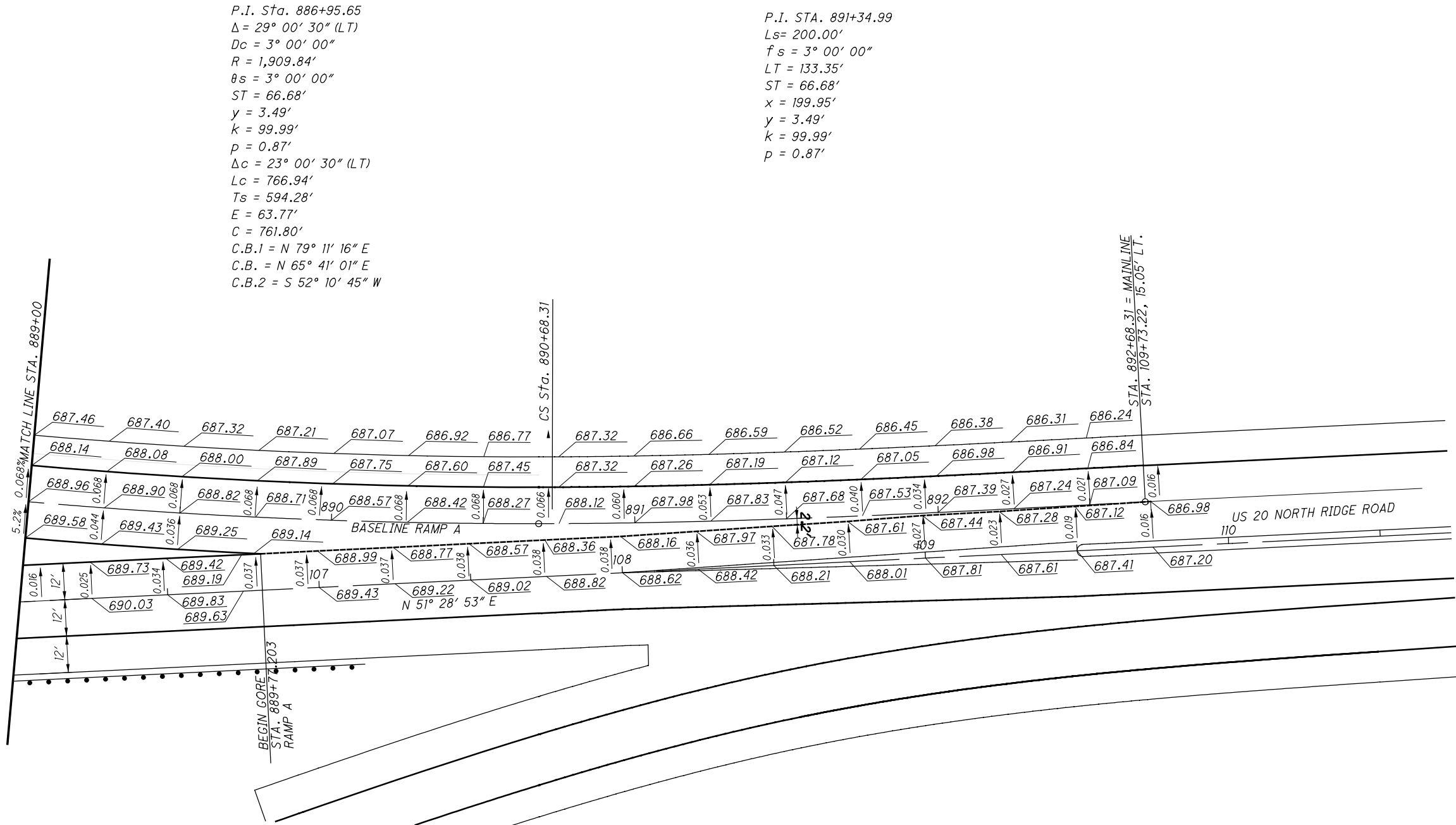


CALCULATED  
 TJS  
 CHECKED  
 JMP

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

**PAVEMENT DETAILS - RAMP A**  
**STA. 885+00.00 TO 889+00.00**





P.I. Sta. 886+95.65  
 $\Delta = 29^\circ 00' 30''$  (LT)  
 $Dc = 3^\circ 00' 00''$   
 $R = 1,909.84'$   
 $\theta s = 3^\circ 00' 00''$   
 $ST = 66.68'$   
 $y = 3.49'$   
 $K = 99.99'$   
 $p = 0.87'$   
 $\Delta c = 23^\circ 00' 30''$  (LT)  
 $Lc = 766.94'$   
 $Ts = 594.28'$   
 $E = 63.77'$   
 $C = 761.80'$   
 $C.B.1 = N 79^\circ 11' 16'' E$   
 $C.B. = N 65^\circ 41' 01'' E$   
 $C.B.2 = S 52^\circ 10' 45'' W$

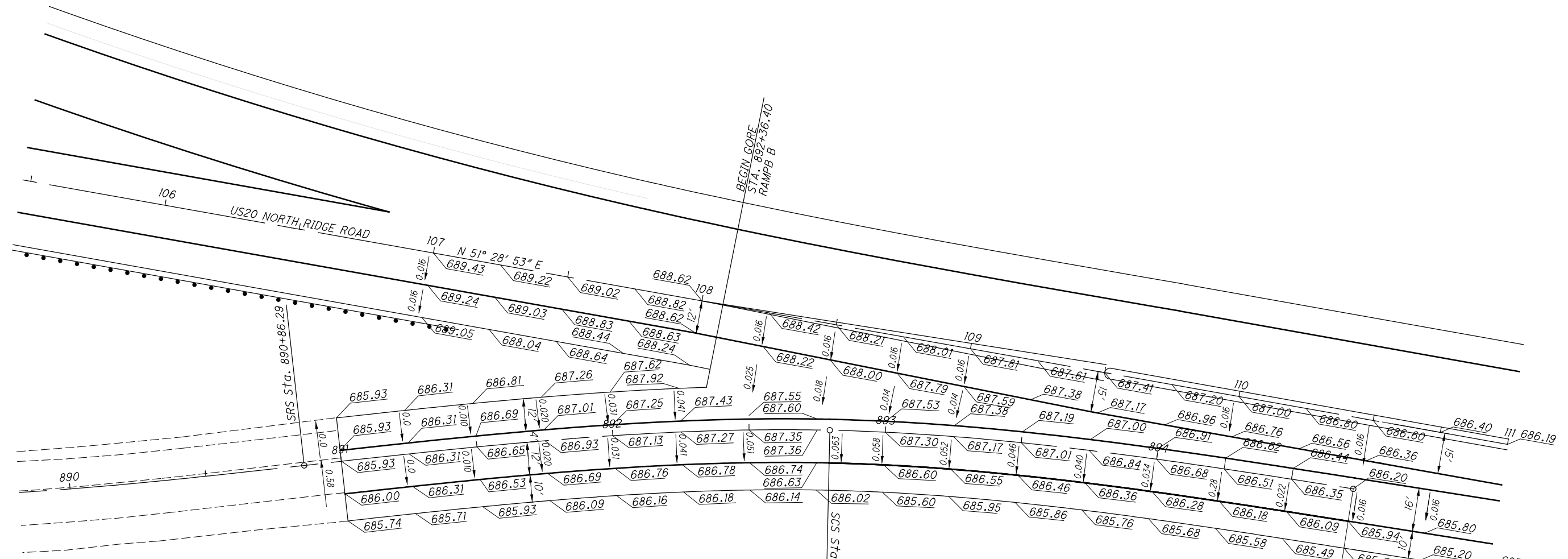
P.I. STA. 891+34.99  
 $Ls = 200.00'$   
 $f s = 3^\circ 00' 00''$   
 $LT = 133.35'$   
 $ST = 66.68'$   
 $x = 199.95'$   
 $y = 3.49'$   
 $k = 99.99'$   
 $p = 0.87'$

CALCULATED  
 TJS  
 CHECKED  
 JMP

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

**PAVEMENT DETAILS - RAMP A**  
**STA. 889+00.00 TO 892+68.31**

**LAK-US-20-19.59**  
**PART 1**



P.I. STA. 889+86.35  
 Ls = 150.00'  
 fs = 6° 00' 00"  
 LT = 100.06'  
 ST = 50.05'  
 x = 149.84'  
 y = 5.23'  
 k = 74.97'  
 p = 1.31'

P.I. STA. 892+15.30  
 Ls = 193.32'  
 fs = 7° 40' 01"  
 LT = 129.00'  
 ST = 64.55'  
 x = 192.97'  
 y = 8.61'  
 k = 96.60'  
 p = 2.15'

P.I. STA. 893+44.17  
 Ls = 193.31'  
 fs = 7° 39' 59"  
 LT = 128.99'  
 ST = 64.55'  
 x = 192.96'  
 y = 8.61'  
 k = 96.60'  
 p = 2.15'

STA. 894+72.93 = MAINLINE  
 STA. 110+46.69, 25.98' RT.

CALCULATED  
 TJS  
 CHECKED  
 JMP

40  
 HORIZONTAL  
 SCALE IN FEET

**PAVEMENT DETAILS - RAMP B**  
**STA. 890+00.00 TO 894+72.93**

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0 5 10 20  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
TJS  
CHECKED  
JMP

INTERSECTION DETAIL  
U.S. 20 AND BLASE NEMETH RD.

LAK-US-20-19.59  
PART 1

744  
1253

Sta. 120+54.98, 123' Lt.  
Sta. 102+86.28, 116' Lt.  
 $\Delta = 51^\circ 25' 20''$   
 $R = 100.00'$   
 $L = 89.75'$

P.I. Sta. 102+29.24  
 $\Delta = 73^\circ 59' 55''$  (RT)  
 $Dc = 27^\circ 59' 59''$   
 $R = 204.63'$   
 $T = 82.67'$   
 $L = 157.14'$   
 $E = 16.07'$   
 $C = 153.31'$   
C.B. = N 73° 41' 14" E

Sta. 118+84.69, 44.3' Lt.  
Sta. 102+21.87, 53.77' Rt.  
 $\Delta = 41^\circ 23' 41''$   
 $R = 50.00'$   
 $L = 36.12'$

Sta. 102+40.84, 33.09' Rt.  
Sta. 102+40.84, 33.09' Rt.  
 $\Delta = 12^\circ 24' 17''$   
 $R = 24.50'$   
 $L = 5.30'$

BLASE NEMETH ROAD

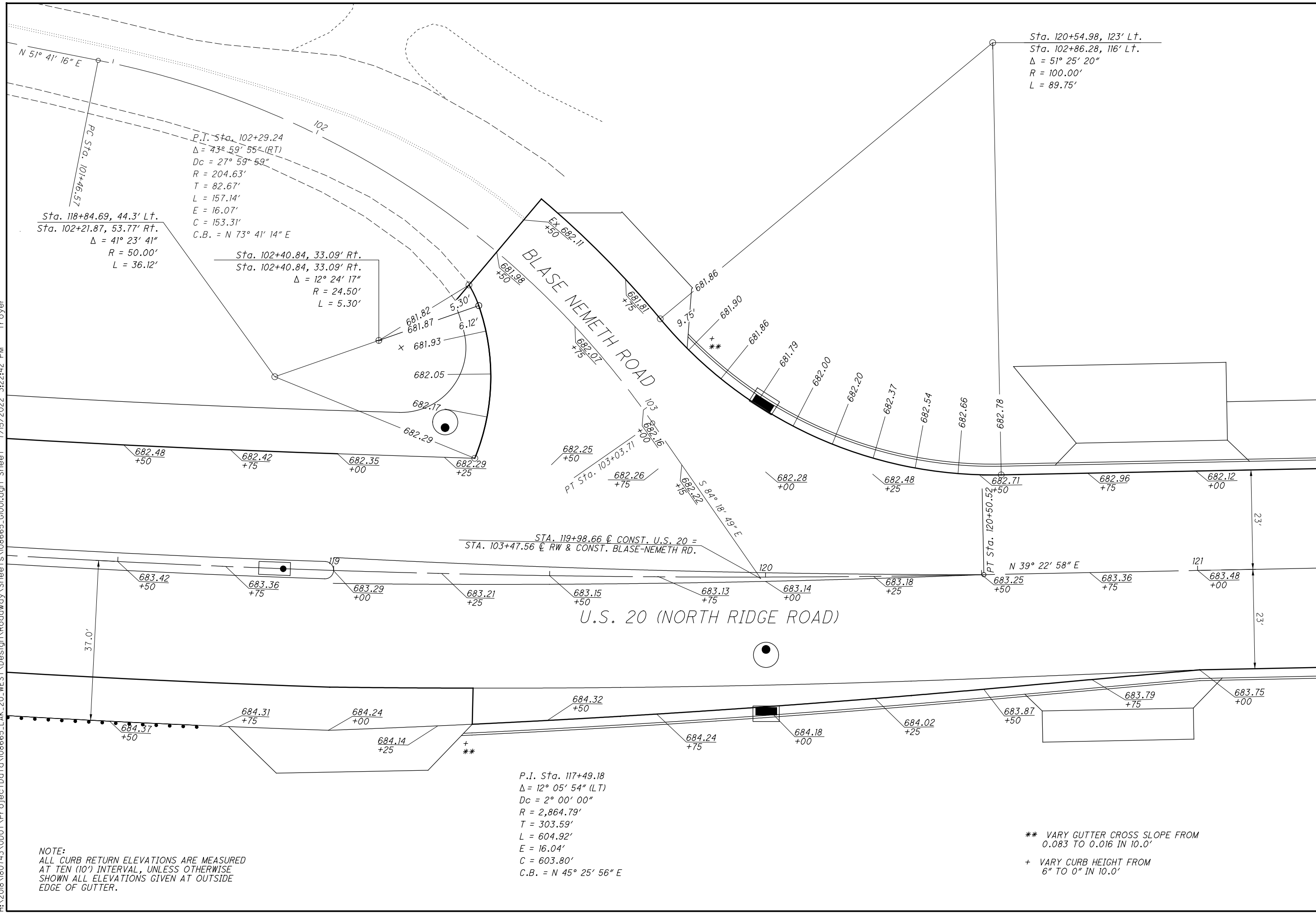
STA. 119+98.66 @ CONST. U.S. 20 =  
STA. 103+47.56 @ RW & CONST. BLASE-NEMETH RD.

U.S. 20 (NORTH RIDGE ROAD)

P.I. Sta. 117+49.18  
 $\Delta = 12^\circ 05' 54''$  (LT)  
 $Dc = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 303.59'$   
 $L = 604.92'$   
 $E = 16.04'$   
 $C = 603.80'$   
C.B. = N 45° 25' 56" E

\*\* VARY GUTTER CROSS SLOPE FROM  
0.083 TO 0.016 IN 10.0'  
+ VARY CURB HEIGHT FROM  
6" TO 0" IN 10.0'

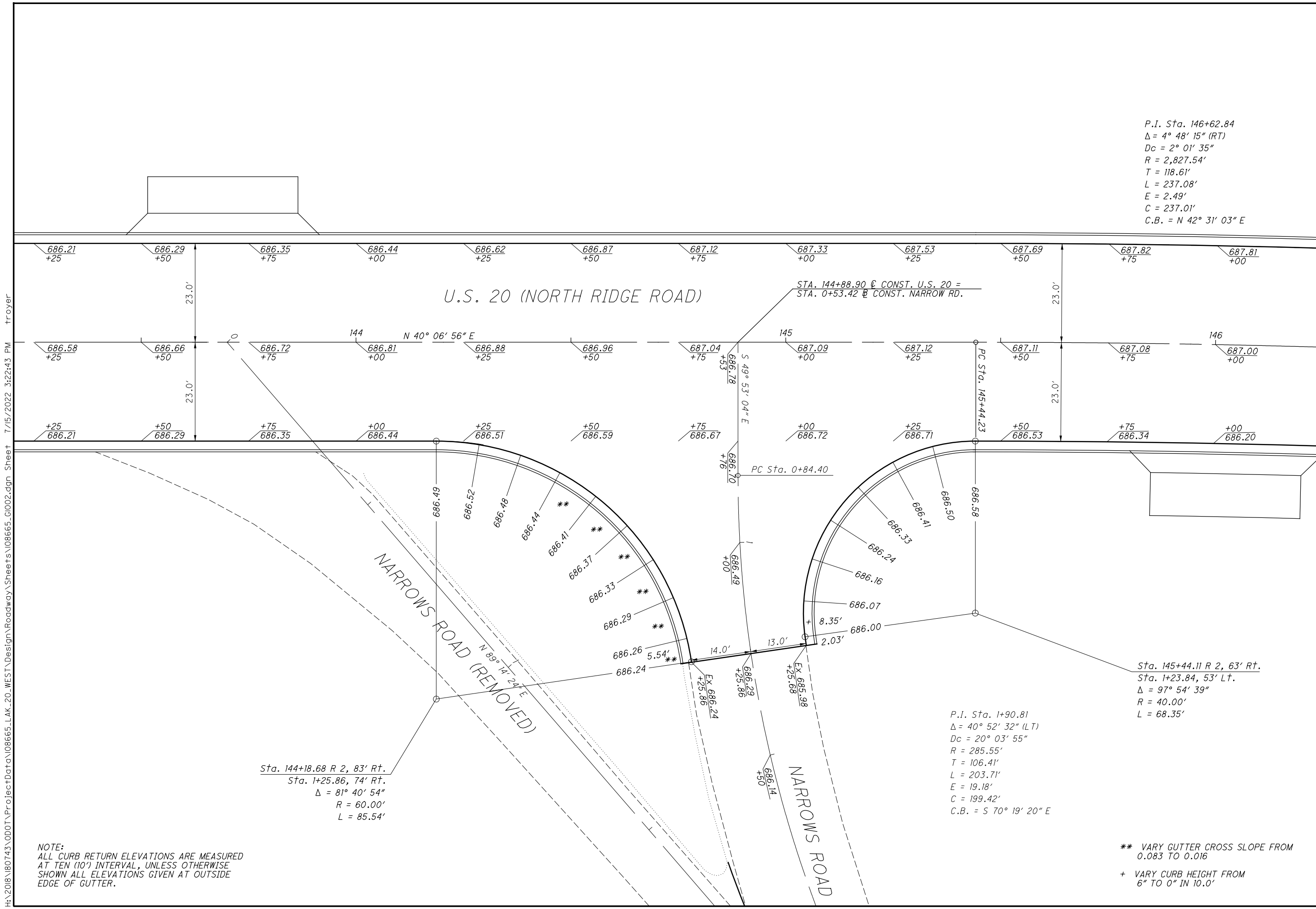
NOTE:  
ALL CURB RETURN ELEVATIONS ARE MEASURED  
AT TEN (10') INTERVAL, UNLESS OTHERWISE  
SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE  
EDGE OF GUTTER.





CALCULATED  
TJS  
CHECKED  
JMP

P.I. Sta. 146+62.84  
 $\Delta = 4^\circ 48' 15''$  (RT)  
 $Dc = 2^\circ 01' 35''$   
 $R = 2,827.54'$   
 $T = 118.61'$   
 $L = 237.08'$   
 $E = 2.49'$   
 $C = 237.01'$   
 $C.B. = N 42^\circ 31' 03'' E$



INTERSECTION DETAIL  
U.S. 20 AND NARROWS RD.

LAK-US-20-19.59  
PART 1

745  
1253

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NOTE:  
ALL CURB RETURN ELEVATIONS ARE MEASURED  
AT TEN (10') INTERVAL, UNLESS OTHERWISE  
SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE  
EDGE OF GUTTER.

Sta. 144+18.68 R 2, 83' Rt.  
Sta. 1+25.86, 74' Rt.  
 $\Delta = 81^\circ 40' 54''$   
 $R = 60.00'$   
 $L = 85.54'$

P.I. Sta. 1+90.81  
 $\Delta = 40^\circ 52' 32''$  (LT)  
 $Dc = 20^\circ 03' 55''$   
 $R = 285.55'$   
 $T = 106.41'$   
 $L = 203.71'$   
 $E = 19.18'$   
 $C = 199.42'$   
 $C.B. = S 70^\circ 19' 20'' E$

Sta. 145+44.11 R 2, 63' Rt.  
Sta. 1+23.84, 53' Lt.  
 $\Delta = 97^\circ 54' 39''$   
 $R = 40.00'$   
 $L = 68.35'$

\*\* VARY GUTTER CROSS SLOPE FROM  
0.083 TO 0.016  
+ VARY CURB HEIGHT FROM  
6" TO 0" IN 10.0'

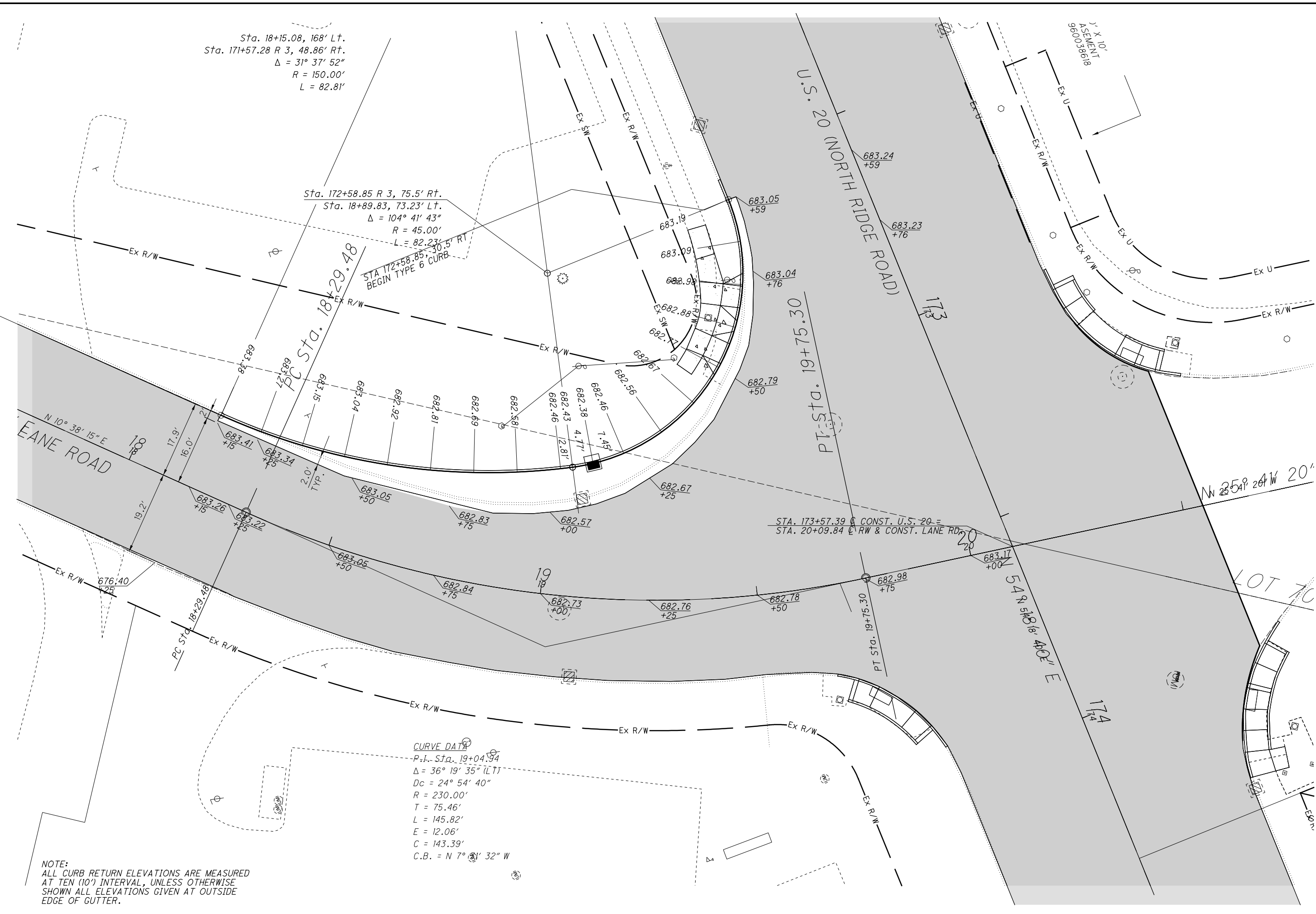
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Sta. 18+15.08, 168' Lt.  
Sta. 171+57.28 R 3, 48.86' Rt.  
 $\Delta = 31^\circ 37' 52''$   
 $R = 150.00'$   
 $L = 82.81'$

Sta. 172+58.85 R 3, 75.5' Rt.  
Sta. 18+89.83, 73.23' Lt.  
 $\Delta = 104^\circ 41' 43''$   
 $R = 45.00'$   
 $L = 82.23'$   
STA 172+58.85, 30.5' RT  
BEGIN TYPE 6 CURB

**CURVE DATA**  
P.I. Sta. 19+04.94  
 $\Delta = 36^\circ 19' 35''$  (LT)  
 $Dc = 24^\circ 54' 40''$   
 $R = 230.00'$   
 $T = 75.46'$   
 $L = 145.82'$   
 $E = 12.06'$   
 $C = 143.39'$   
C.B. = N 7° 32' W

**NOTE:**  
ALL CURB RETURN ELEVATIONS ARE MEASURED AT TEN (10') INTERVAL, UNLESS OTHERWISE SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE EDGE OF GUTTER.



  
 HORIZONTAL SCALE IN FEET

CALCULATED	
CWH	
CHECKED	JMP

**INTERSECTION DETAIL  
U.S. AND LANE RD.**

**LAK-US-20-19.59  
PART 1**

746  
1253

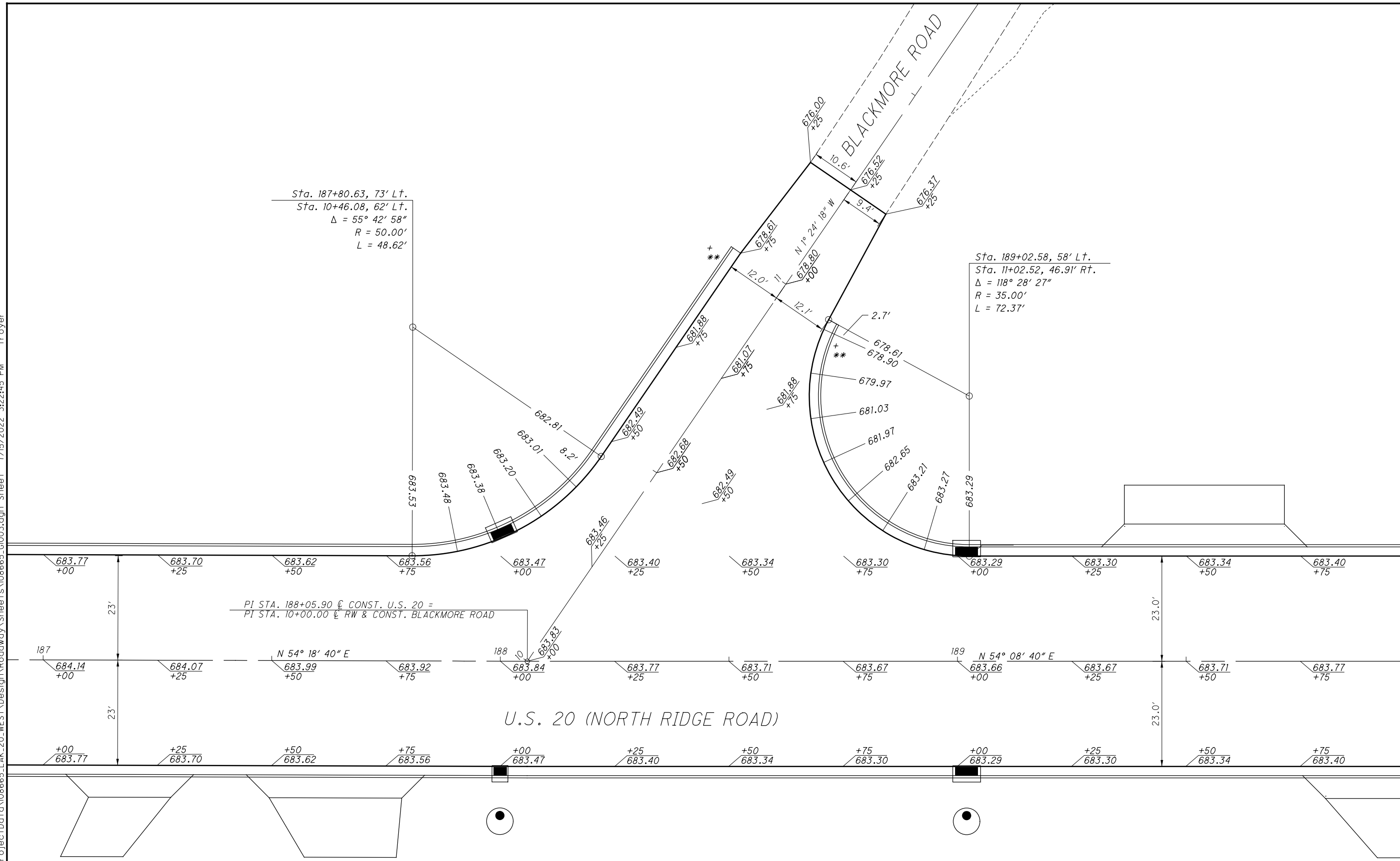
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0 5 10 20  
HORIZONTAL SCALE IN FEET

CALCULATED  
TJS  
CHECKED  
JMP

Sta. 187+80.63, 73' Lt.  
Sta. 10+46.08, 62' Lt.  
 $\Delta = 55^\circ 42' 58''$   
 $R = 50.00'$   
 $L = 48.62'$

Sta. 189+02.58, 58' Lt.  
Sta. 11+02.52, 46.91' Rt.  
 $\Delta = 118^\circ 28' 27''$   
 $R = 35.00'$   
 $L = 72.37'$



INTERSECTION DETAIL  
U.S. 20 AND BLACKMORE RD.

LAK-US-20-19.59  
PART 1

NOTE:  
ALL CURB RETURN ELEVATIONS ARE MEASURED AT TEN (10') INTERVAL, UNLESS OTHERWISE SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE EDGE OF GUTTER.

\*\* VARY GUTTER CROSS SLOPE FROM 0.083 TO 0.016 IN 10.0'  
+ VARY CURB HEIGHT FROM 6" TO 0" IN 10.0'



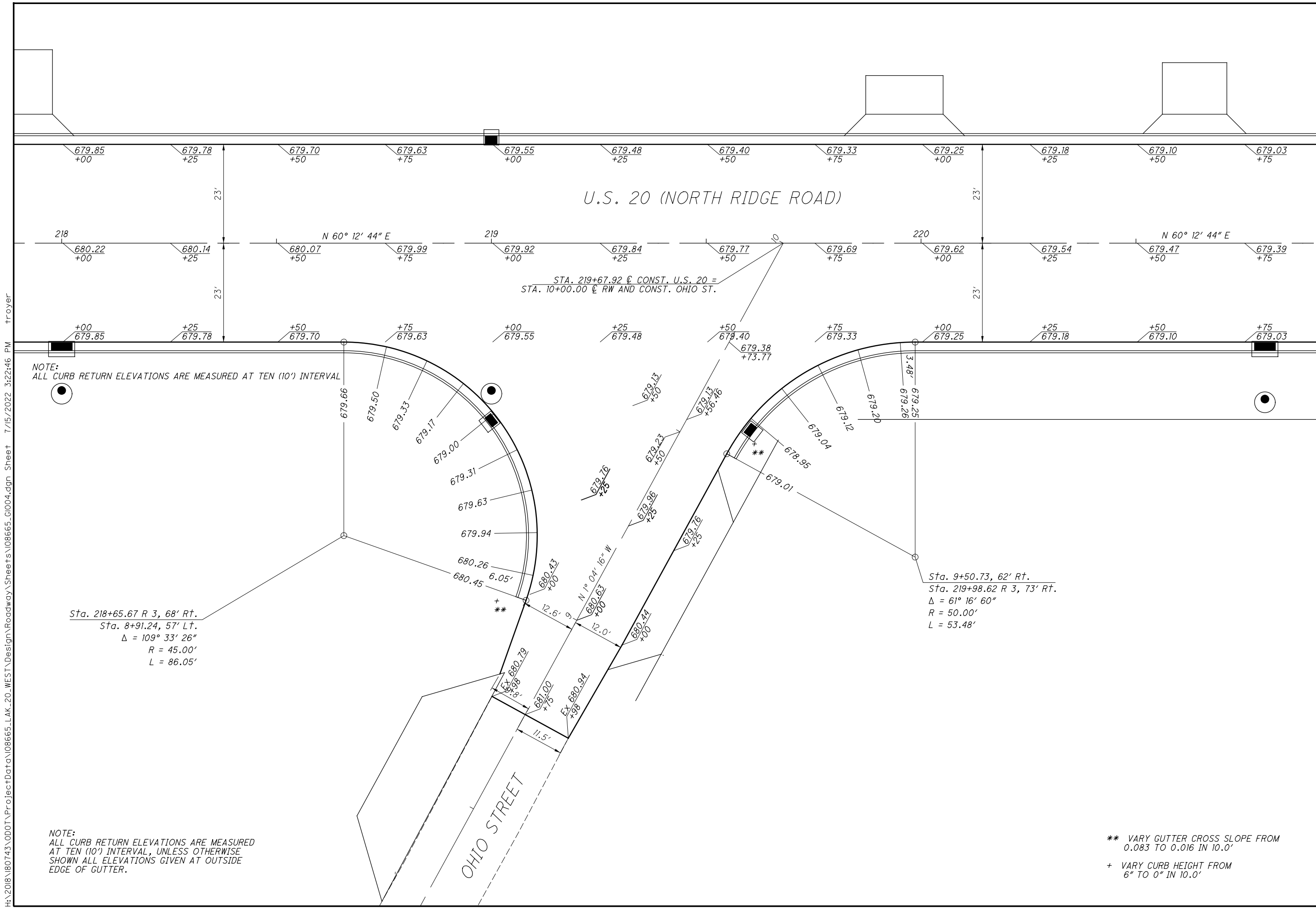
0 5 10 20  
HORIZONTAL  
SCALE IN FEET

CALCULATED  
TJS  
CHECKED  
JMP

INTERSECTION DETAIL  
U.S. 20 AND OHIO STREET

LAK-US-20-19.59  
PART 1

748  
1253



NOTE:  
ALL CURB RETURN ELEVATIONS ARE MEASURED AT TEN (10') INTERVAL

Sta. 218+65.67 R 3, 68' Rt.  
Sta. 8+91.24, 57' Lt.  
Δ = 109° 33' 26"  
R = 45.00'  
L = 86.05'

Sta. 9+50.73, 62' Rt.  
Sta. 219+98.62 R 3, 73' Rt.  
Δ = 61° 16' 60"  
R = 50.00'  
L = 53.48'

NOTE:  
ALL CURB RETURN ELEVATIONS ARE MEASURED AT TEN (10') INTERVAL, UNLESS OTHERWISE SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE EDGE OF GUTTER.

\*\* VARY GUTTER CROSS SLOPE FROM 0.083 TO 0.016 IN 10.0'  
+ VARY CURB HEIGHT FROM 6" TO 0" IN 10.0'

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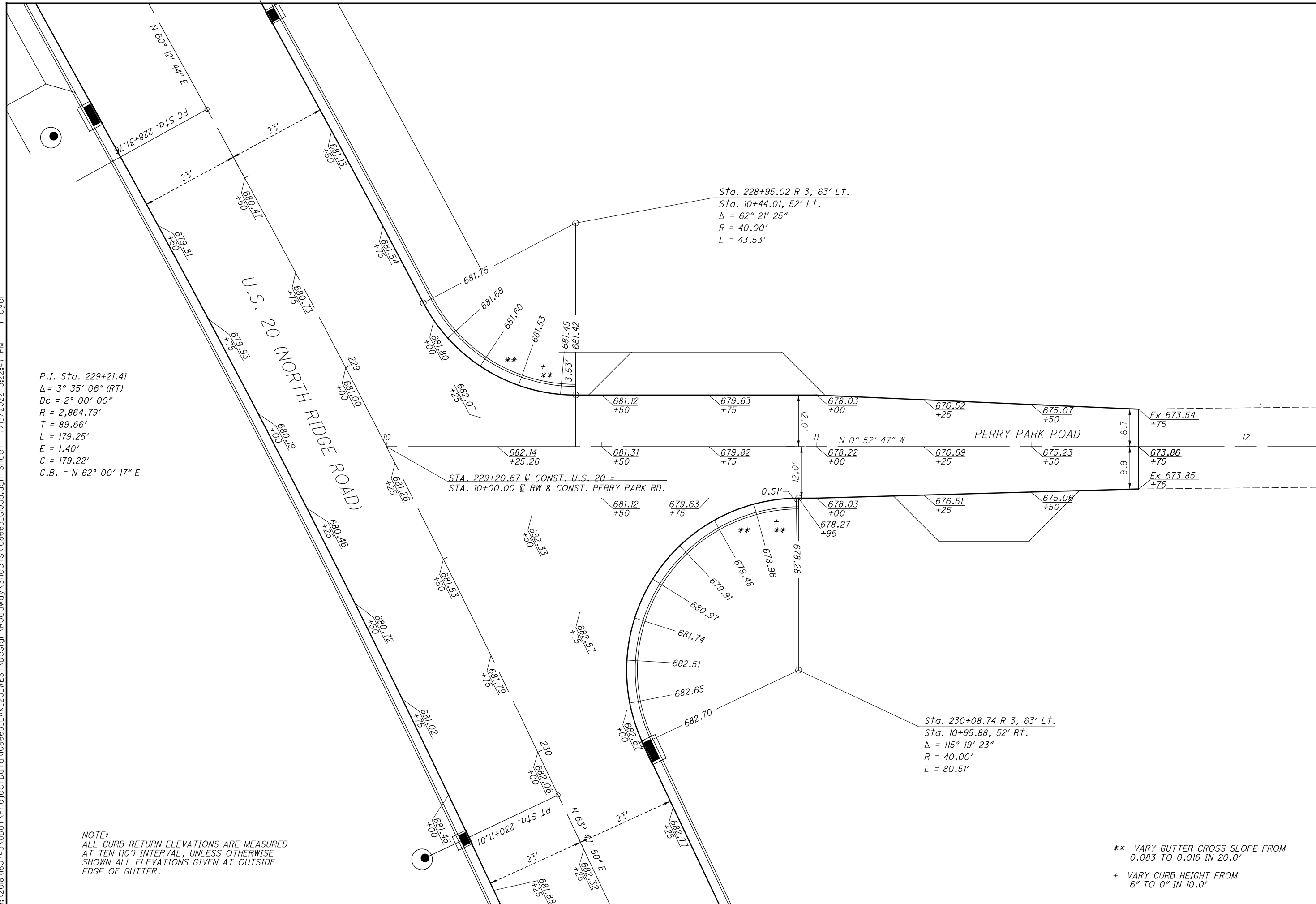
P.I. Sta. 229+21.41  
Δ = 3° 35' 06" (RT)  
Dc = 2° 00' 00"  
R = 2,864.79'  
T = 89.66'  
L = 179.25'  
E = 1.40'  
C = 179.22'  
C.B. = N 62° 00' 17" E

NOTE:  
ALL CURB RETURN ELEVATIONS ARE MEASURED  
AT TEN (10') INTERVAL, UNLESS OTHERWISE  
SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE  
EDGE OF GUTTER.

Sta. 228+95.02 R 3, 63' Lt.  
Sta. 10+44.01, 52' Lt.  
Δ = 62° 21' 25"  
R = 40.00'  
L = 43.53'

STA. 229+20.67 @ CONST. U.S. 20 =  
STA. 10+00.00 @ RW & CONST. PERRY PARK RD.

Sta. 230+08.74 R 3, 63' Lt.  
Sta. 10+95.88, 52' Rt.  
Δ = 115° 19' 23"  
R = 40.00'  
L = 80.51'



CALCULATED
TLS
CHECKED
JMP

0 5 10 20  
HORIZONTAL  
SCALE IN FEET

INTERSECTION DETAIL  
U.S. 20 PERRY PARK RD.

LAK-US-20-19.59  
PART 1

749  
1253

\*\* VARY GUTTER CROSS SLOPE FROM  
0.083 TO 0.016 IN 20.0'  
+ VARY CURB HEIGHT FROM  
6" TO 0" IN 10.0'





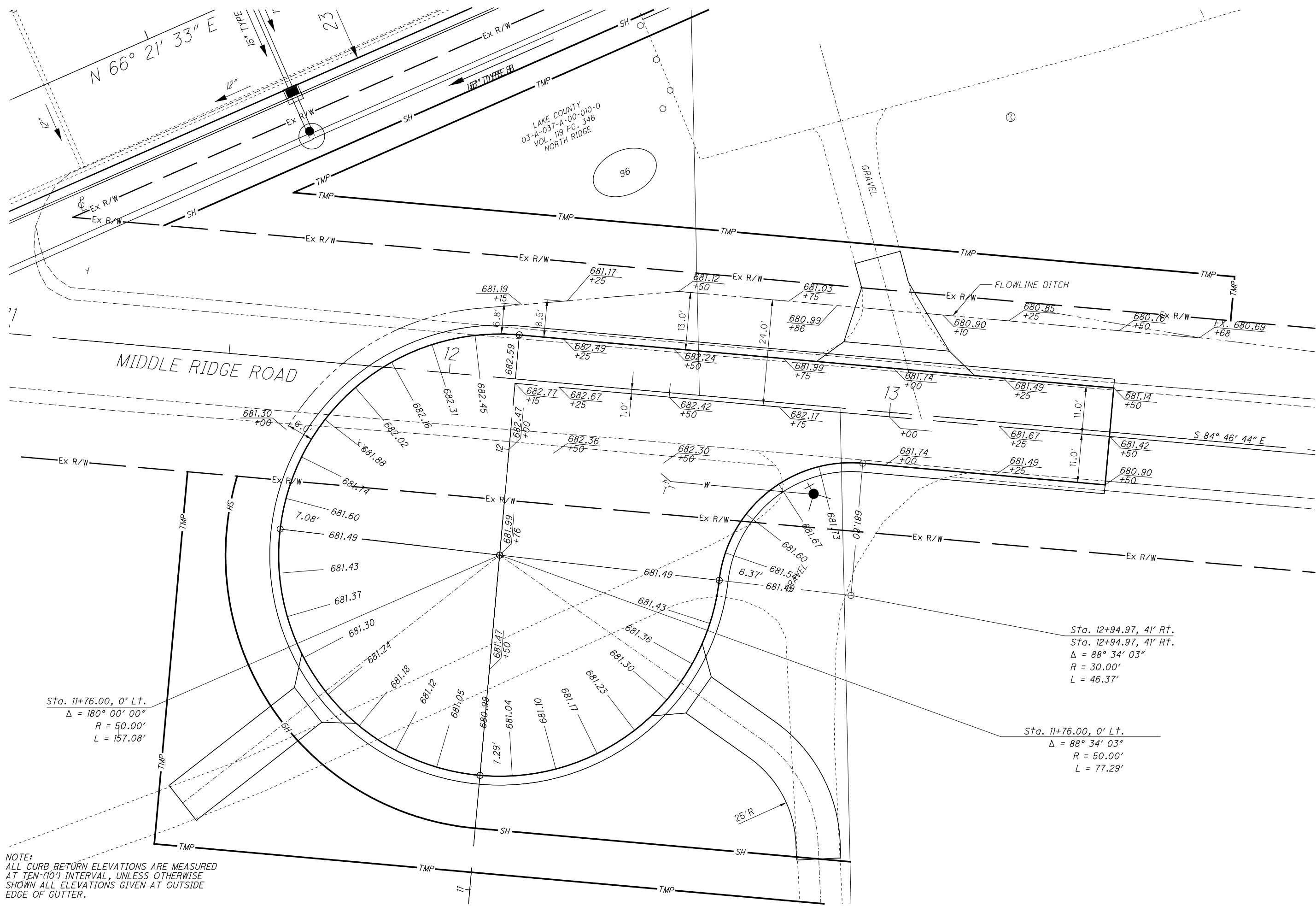
CALCULATED  
CWH  
CHECKED  
JMP

INTERSECTION DETAIL  
MIDDLE RIDGE RD.

LAK-US-20-19.59  
PART 1

750  
1253

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NOTE:  
ALL CURB RETURN ELEVATIONS ARE MEASURED  
AT TEN (10') INTERVAL, UNLESS OTHERWISE  
SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE  
EDGE OF GUTTER.

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0 5 10 20  
HORIZONTAL SCALE IN FEET

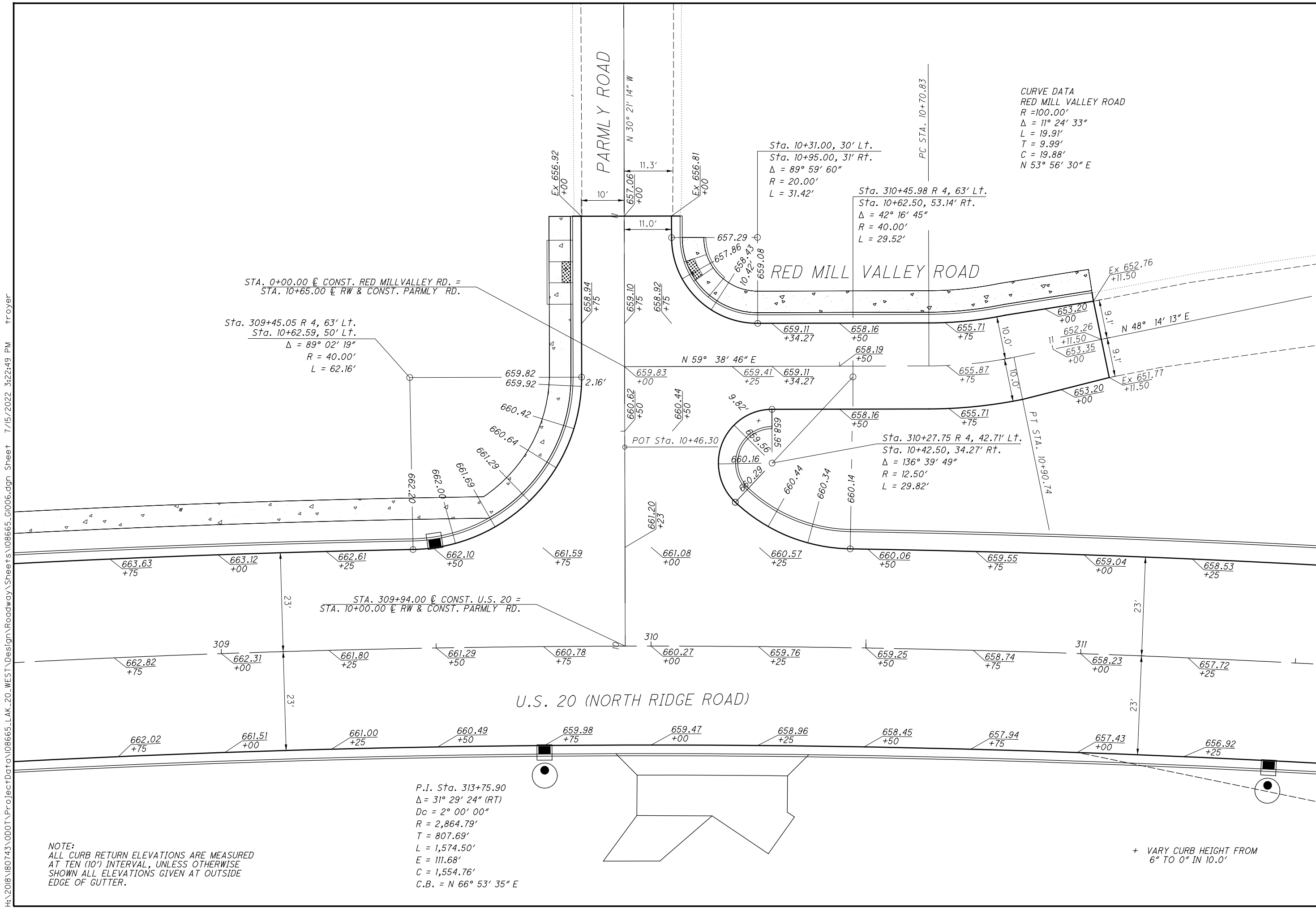
CALCULATED  
TLS  
CHECKED  
JMP

INTERSECTION DETAIL  
PARMLY ROAD

LAK-US-20-19.59  
PART 1

751  
1253

CURVE DATA  
RED MILL VALLEY ROAD  
R = 100.00'  
 $\Delta = 11^\circ 24' 33''$   
L = 19.91'  
T = 9.99'  
C = 19.88'  
N 53° 56' 30" E



STA. 0+00.00  $\phi$  CONST. RED MILL VALLEY RD. =  
STA. 10+65.00  $\phi$  RW & CONST. PARMLY RD.

Sta. 309+45.05 R 4, 63' Lt.  
Sta. 10+62.59, 50' Lt.  
 $\Delta = 89^\circ 02' 19''$   
R = 40.00'  
L = 62.16'

STA. 309+94.00  $\phi$  CONST. U.S. 20 =  
STA. 10+00.00  $\phi$  RW & CONST. PARMLY RD.

P.I. Sta. 313+75.90  
 $\Delta = 31^\circ 29' 24''$  (RT)  
Dc = 2° 00' 00"  
R = 2,864.79'  
T = 807.69'  
L = 1,574.50'  
E = 111.68'  
C = 1,554.76'  
C.B. = N 66° 53' 35" E

NOTE:  
ALL CURB RETURN ELEVATIONS ARE MEASURED  
AT TEN (10') INTERVAL, UNLESS OTHERWISE  
SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE  
EDGE OF GUTTER.

+ VARY CURB HEIGHT FROM  
6" TO 0" IN 10.0'

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CALCULATED  
TLS  
CHECKED  
JMP

HORIZONTAL  
SCALE IN FEET

INTERSECTION DETAIL  
U.S. 20 AND RED MILL ROAD

LAK-US-20-19.59  
PART 1

752  
1253

Sta. 318+94.15 R 4, 73' Lt.  
Sta. 10+40.71, 60' Rt.  
 $\Delta = 48^\circ 15' 52''$   
 $R = 50.00'$   
 $L = 42.12'$

RED MILL VALLEY ROAD

U.S. 20 (NORTH RIDGE ROAD)

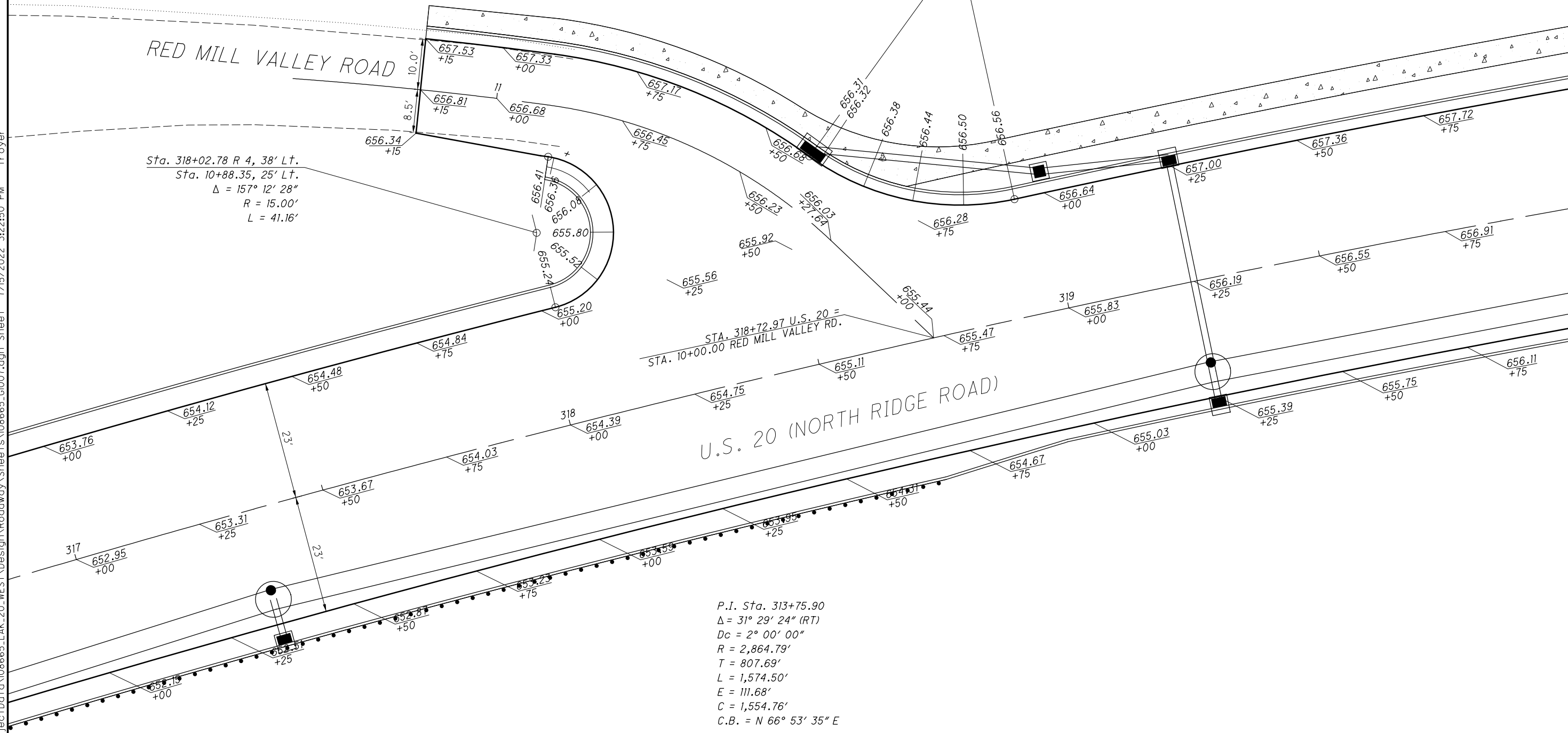
Sta. 318+02.78 R 4, 38' Lt.  
Sta. 10+88.35, 25' Lt.  
 $\Delta = 157^\circ 12' 28''$   
 $R = 15.00'$   
 $L = 41.16'$

STA. 318+72.97 U.S. 20 =  
STA. 10+00.00 RED MILL VALLEY RD.

P.I. Sta. 313+75.90  
 $\Delta = 31^\circ 29' 24''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 807.69'$   
 $E = 111.68'$   
 $C = 1,554.76'$   
 $C.B. = N 66^\circ 53' 35'' E$

NOTE:  
ALL CURB RETURN ELEVATIONS ARE MEASURED  
AT TEN (10') INTERVAL, UNLESS OTHERWISE  
SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE  
EDGE OF GUTTER.

+ VARY CURB HEIGHT FROM  
6" TO 0" IN 10.0'



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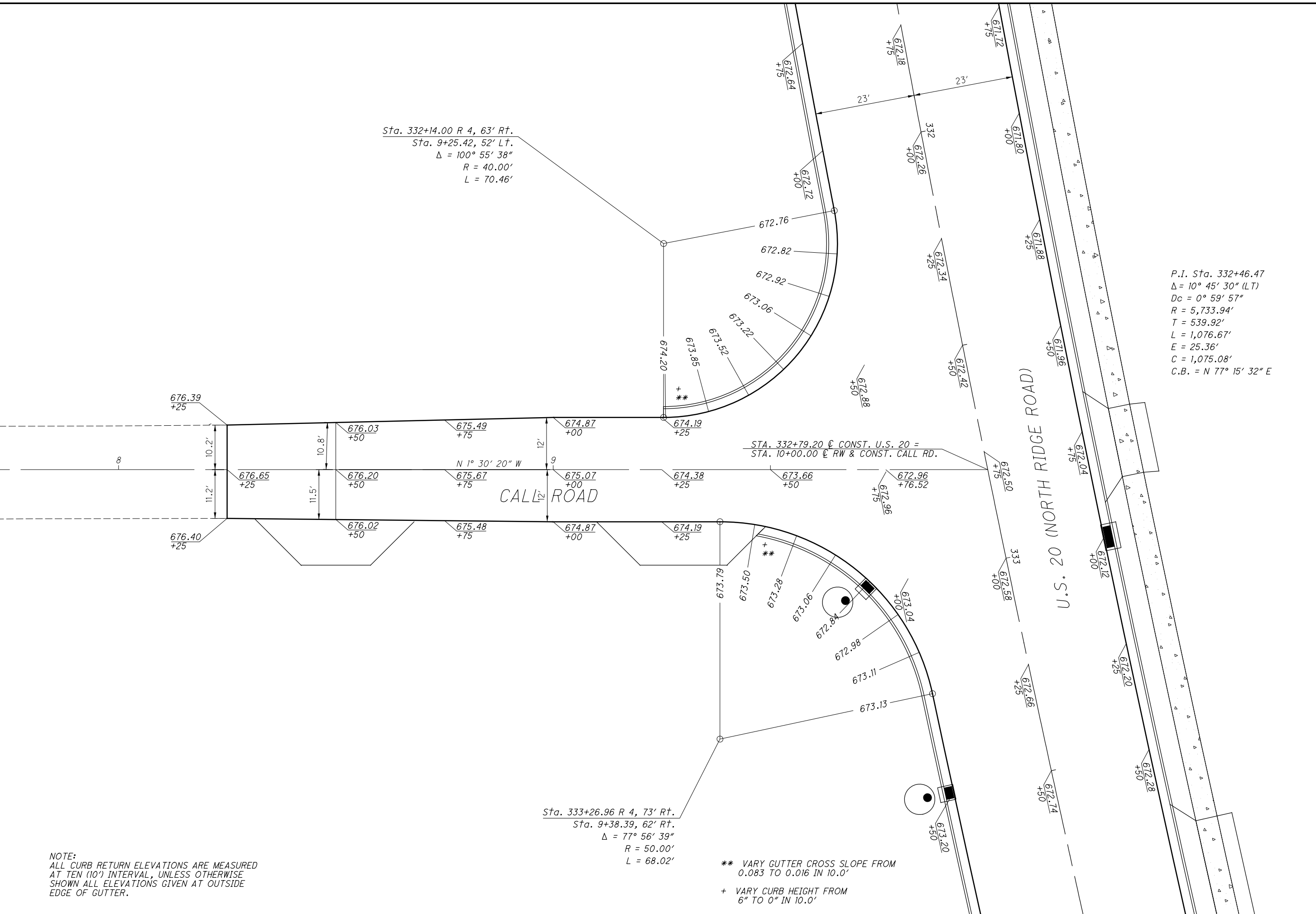
CALCULATED  
 TJS  
 CHECKED  
 JMP

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

**INTERSECTION DETAIL**  
**U.S. 20 AND CALL ROAD**

**LAK-US-20-19.59**  
**PART 1**

753  
 1253



Sta. 332+14.00 R 4, 63' Rt.  
 Sta. 9+25.42, 52' Lt.  
 $\Delta = 100^\circ 55' 38''$   
 $R = 40.00'$   
 $L = 70.46'$

P.I. Sta. 332+46.47  
 $\Delta = 10^\circ 45' 30''$  (LT)  
 $Dc = 0^\circ 59' 57''$   
 $R = 5,733.94'$   
 $T = 539.92'$   
 $L = 1,076.67'$   
 $E = 25.36'$   
 $C = 1,075.08'$   
 $C.B. = N 77^\circ 15' 32'' E$

STA. 332+79.20 @ CONST. U.S. 20 =  
 STA. 10+00.00 @ RW & CONST. CALL RD.

Sta. 333+26.96 R 4, 73' Rt.  
 Sta. 9+38.39, 62' Rt.  
 $\Delta = 77^\circ 56' 39''$   
 $R = 50.00'$   
 $L = 68.02'$

**NOTE:**  
 ALL CURB RETURN ELEVATIONS ARE MEASURED  
 AT TEN (10') INTERVAL, UNLESS OTHERWISE  
 SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE  
 EDGE OF GUTTER.

\*\* VARY GUTTER CROSS SLOPE FROM  
 0.083 TO 0.016 IN 10.0'  
 + VARY CURB HEIGHT FROM  
 6" TO 0" IN 10.0'

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CALCULATED  
TLS  
CHECKED  
JMP

0 5 10  
HORIZONTAL  
SCALE IN FEET

INTERSECTION DETAIL  
U.S. 20 AND ANTIOCH RD.

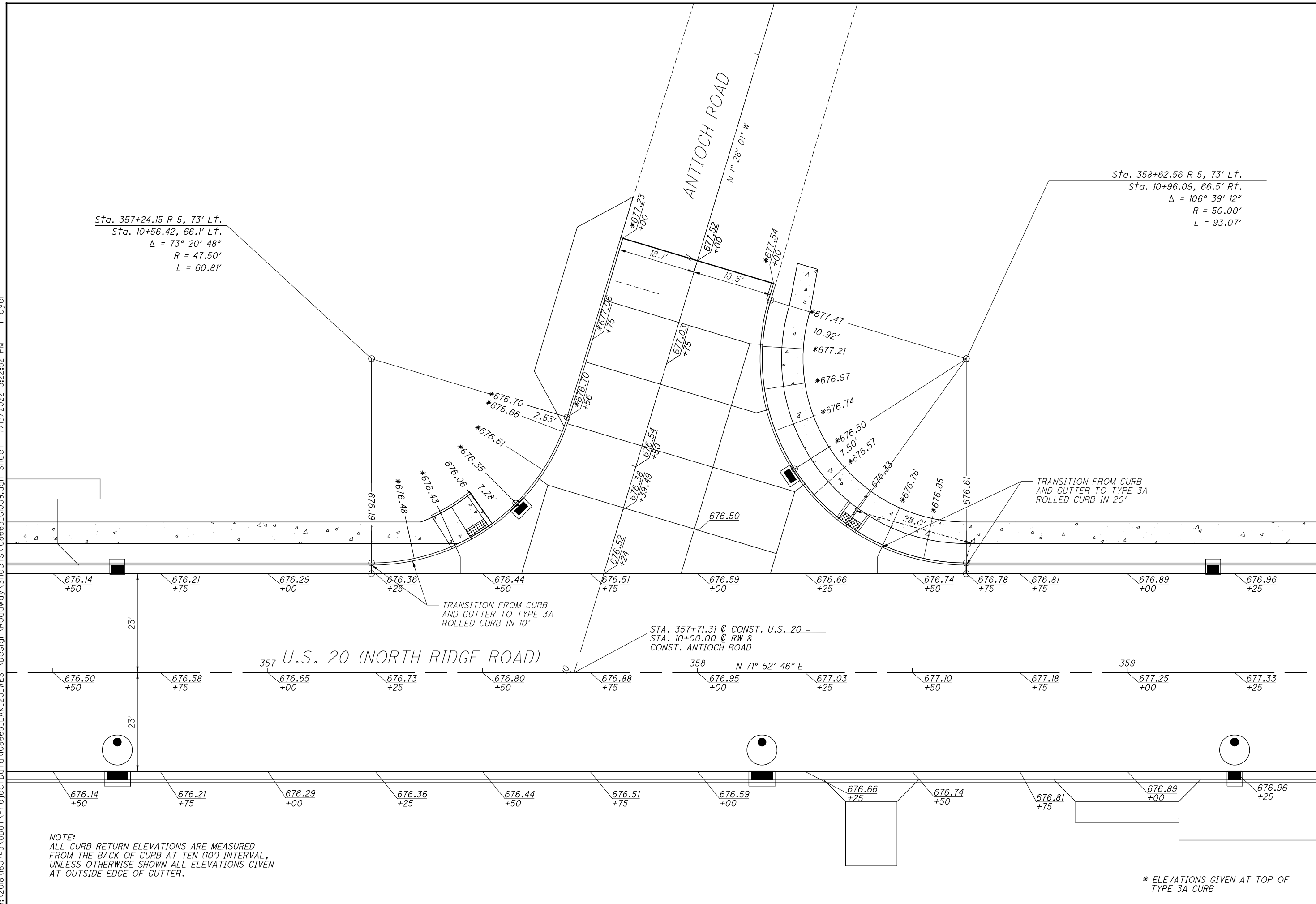
LAK-US-20-19.59  
PART 1

754  
1253

Sta. 357+24.15 R 5, 73' Lt.  
Sta. 10+56.42, 66.1' Lt.  
 $\Delta = 73^\circ 20' 48''$   
R = 47.50'  
L = 60.81'

Sta. 358+62.56 R 5, 73' Lt.  
Sta. 10+96.09, 66.5' Rt.  
 $\Delta = 106^\circ 39' 12''$   
R = 50.00'  
L = 93.07'

ANTIOCH ROAD  
N 1° 28' 01" W



TRANSITION FROM CURB AND GUTTER TO TYPE 3A ROLLED CURB IN 10'

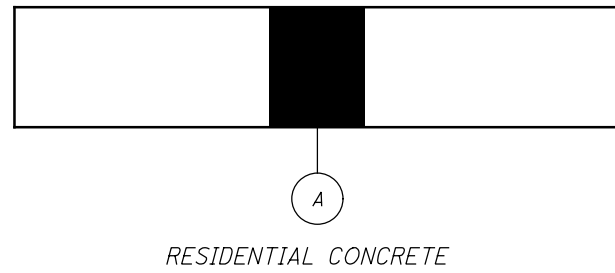
TRANSITION FROM CURB AND GUTTER TO TYPE 3A ROLLED CURB IN 20'

STA. 357+71.31 @ CONST. U.S. 20 =  
STA. 10+00.00 @ RW &  
CONST. ANTIOCH ROAD

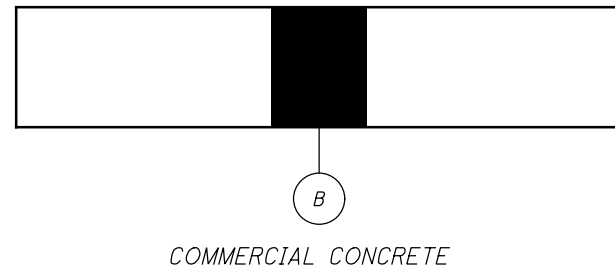
NOTE:  
ALL CURB RETURN ELEVATIONS ARE MEASURED FROM THE BACK OF CURB AT TEN (10') INTERVAL, UNLESS OTHERWISE SHOWN ALL ELEVATIONS GIVEN AT OUTSIDE EDGE OF GUTTER.

\* ELEVATIONS GIVEN AT TOP OF TYPE 3A CURB

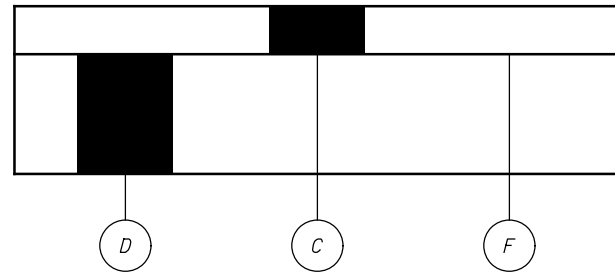
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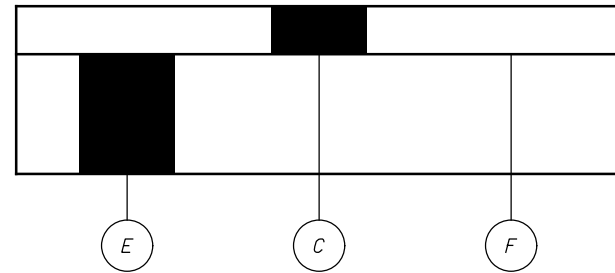
RESIDENTIAL CONCRETE



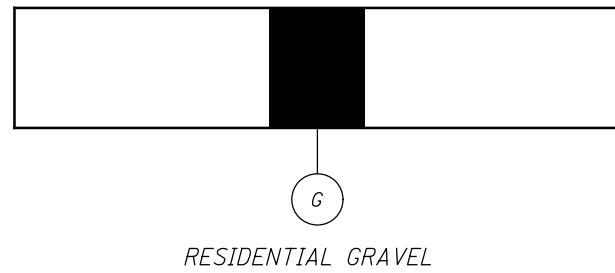
COMMERCIAL CONCRETE



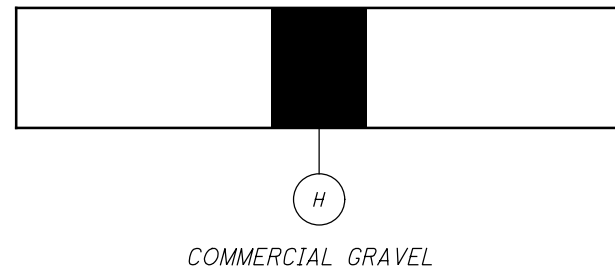
RESIDENTIAL ASPHALT



COMMERCIAL ASPHALT



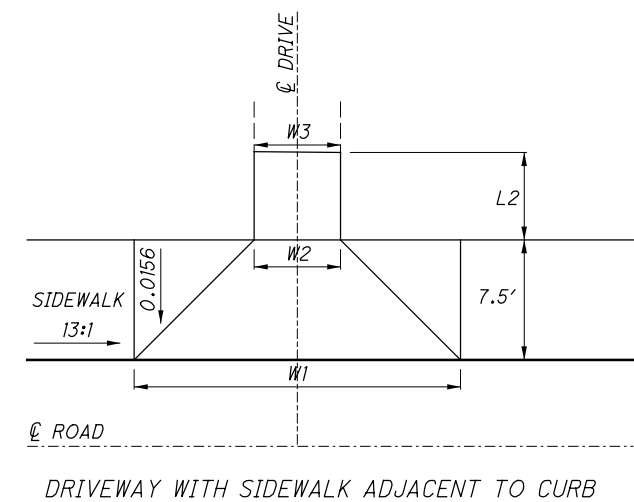
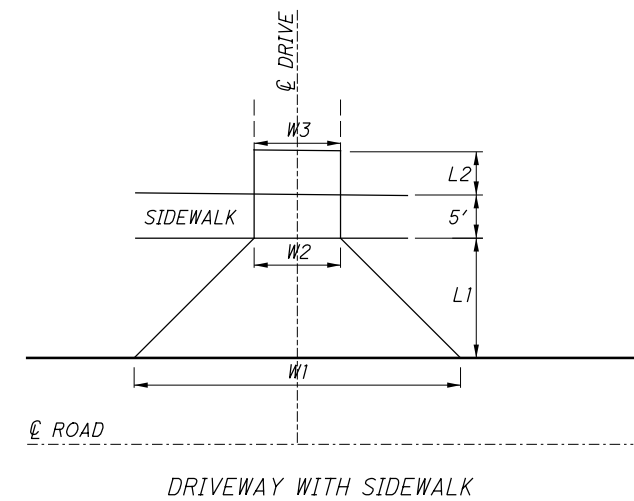
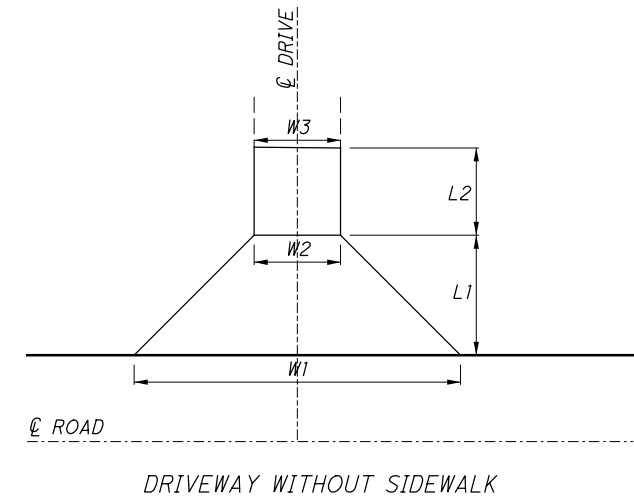
RESIDENTIAL GRAVEL



COMMERCIAL GRAVEL

**LEGEND**

- (A) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS
- (B) ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS
- (C) ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)
- (D) ITEM 301 - 3 1/2" ASPHALT CONCRETE BASE, PG64-22, (449), (DRIVEWAYS)
- (E) ITEM 301 - 5" ASPHALT CONCRETE BASE, PG64-22, (449), (DRIVEWAYS)
- (F) ITEM 407 - NON-TRACKING TACK COAT
- (G) ITEM 304 - 8" AGGREGATE BASE
- (H) ITEM 304 - 10" AGGREGATE BASE



CALCULATED  
JMP  
CHECKED  
WDB

**DRIVEWAY DETAILS**

**LAK-US-20-19.59  
PART 1**

755  
1253











SHEET NO.	REFERENCE NO.	STATION	SIDE	COMMERCIAL "C" RESIDENTIAL "R" CONCRETE "C" ASPHALT "A" GRAVEL "G"	DRIVE ANGLE	APRON LENGTH "L1"	WALK DRIVEWAY LENGTH "L2"	DRIVEWAY LENGTH "L3"	APRON WIDTH "W1"	APRON WIDTH "W2"	DRIVE WIDTH "W3"	CALCULATED APRON SURFACE AREA	CALCULATED WALK SURFACE AREA	CALCULATED DRIVE SURFACE AREA	CADD GENERATED DRIVE SURFACE AREA	202	203	204	252	301		304		407	441	452	452	CALCULATED TLS CHECKED JMP	
																PAVEMENT REMOVED, AS PER PLAN	EXCAVATION	SUBGRADE COMPACTION	FULL DEPTH PAVEMENT SAWING	3.5" ASPHALT CONCRETE BASE, PG64-22, (449), (DIVEWAYS)	5" ASPHALT CONCRETE BASE, PG64-22, (449), (DRIVEWAYS)	8" AGGREGATE BASE	10" AGGREGATE BASE	NON-TRACKING TACK COAT	1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS		
																SY	CY	SY	FT	CY	CY	CY	CY	GAL	CY	SY	SY		
475	DR-219	361+67.50	L	R	G		4.5	5.0	5.0	21.0	12.0	12.0	74.3	60.0	60.0		23.7	4.0	21.6										
475	DR-220	362+13.19	L	C	A		4.5	5.0	5.0	33.0	24.0	24.0	128.3	120.0	120.0		86.5		40.9	24.0				0.8	0.5	14.9	27.6		
475	DR-221	362+30.00	R	R	G		4.5		9.5	25.0	16.0	16.0	92.3		152.0			5.5	27.1						10.3				
475	DR-222	363+06.25	L	C	A		4.5	5.0	5.0	44.0	35.0	35.0	177.8	175.0	175.0		139.4		58.6	35.0				1.2	0.7	39.2			
476	DR-223	364+61.00	R	R	G		4.5		7.0	21.0	12.0	11.3	74.3		81.6			3.4	17.3							8.3			
476	DR-224	365+37.73	L	R	G		4.5	5.0	6.0	22.0	13.0	13.0	78.8	65.0	78.0		25.6	4.6	24.6							16.0			
476	DR-225	365+82.00	R	C	A		4.5		7.0	39.0	30.0	28.9	155.3		206.1				40.2	30.0				1.4	0.8		17.3		
476	DR-226	366+53.82	L	R	G		4.5	5.0	10.0	32.0	23.0	23.0	123.8	115.0	230.0		37.2	10.1	52.1							26.5			
476	DR-227	366+89.80	R	R	A		4.5		7.0	21.0	12.0	10.0	74.3		77.0				16.8	12.0	0.8			0.5	0.3	8.3			
476	DR-228	367+35.51	L	R	G		4.5	5.0	15.0	30.0	21.0	21.0	114.8	105.0	315.0		46.6	11.9	59.4							24.4			
476	DR-229	368+09.79	R	R	G		4.5		7.0	29.0	20.0	20.0	110.3		140.0		18.2	5.6	27.8							12.3			
476	DR-230	368+32.00	L	R	G		4.5	5.0	20.0	21.0	12.0	9.4	74.3	60.0	214.0		20.8	7.8	38.7							14.9			
476	DR-231	368+64.45	R	R	G		4.5		7.0	29.0	20.0	19.6	110.3		138.6			5.5	27.7							12.3			
476	DR-232	368+89.00	L	C	A		4.5	5.0	20.0	44.0	35.0	23.3	177.8	175.0		563.8	126.8		101.8	35.0				3.8	2.2		39.2		
477	DR-233	369+90.00	L	C	A		4.5	5.0	27.0	44.0	35.0	27.5	177.8	175.0	843.8		194.7		133.0	35.0				5.6	3.3		39.2		
477	DR-234	370+26.23	R	C	G		4.5		7.0	29.0	20.0	19.6	110.3		138.6		11.2	7.0	27.7							12.3			
477	DR-235	371+13.50	L	C	A		4.5	5.0	37.0	38.0	29.0	39.0	150.8		145.0	1303.8	214.6		177.7	29.0						5.0	32.9		
477	DR-236	371+79.00	L	C	A		4.5	5.0	37.0	37.0	28.0	64.0	146.3	140.0		1685.5	218.0	3.2	219.1	28.0						6.5	31.8		
477	DR-237	373+35.24	L	R	G		4.5	5.0	16.0	31.0	22.0	22.0	119.3	110.0	352.0		44.7	13.0	64.6							25.5			
478	DR-238	376+85.00	R	C	G		4.5		7.0	37.0	28.0	27.2	146.3		193.2				9.6	37.7							16.3		
478	DR-239	377+55.69	L	R	G		4.5	5.0	5.0	26.0	17.0	17.0	96.8	85.0	85.0				5.5	29.6						20.2			
479	DR-240	380+08.26	L	R	G		4.5	5.0	10.0	25.0	16.0	16.0	92.3	80.0	160.0		31.7	7.2	36.9							19.1			
479	DR-241	380+19.00	R	R	G		4.5		15.0	21.0	12.0	13.7	74.3		192.6				6.2	29.7						8.3			
479	DR-242	382+60.65	L	R	G		4.5	5.0	8.0	29.0	20.0	20.0	110.3	100.0	160.0		48.0	7.9	41.1							23.4			
479	DR-243	382+80.84	R	R	G		4.5		7.0	23.0	14.0	13.5	83.3		96.3				4.0	20.0						9.3			
480	DR-244	384+09.00	R	C	G		4.5		7.0	37.0	28.0	27.2	146.3		193.3				9.6	37.7							16.3		
480	DR-245	385+65.00	R	C	G		4.5		7.0	44.0	35.0	35.4	177.8		246.3		12.0	12.0	47.1							19.8			
480	DR-246	387+06.00	R	C	G		4.5		7.0	44.0	35.0	33.3	177.8		239.2		11.6	11.8	46.3							19.8			
480	DR-247	388+76.93	R	R	G		4.5		7.0	23.0	14.0	13.2	83.3		95.3				4.0	19.8							19.8		
481	DR-248	389+31.62	L	R	G		4.5	5.0	14.0	24.0	15.0	15.0	87.8	75.0	210.0		36.0	8.2	41.4							18.1			
481	DR-249	389+88.46	R	R	G		4.5		10.0	23.0	12.0	12.0	78.8		120.0				4.5	22.1						8.8			
481	DR-250	391+54.52	L	R	G		4.5	5.0	17.0	21.0	12.0	12.0	74.3	60.0	204.0		28.1	7.5	37.6							14.9			
481	DR-251	391+55.50	R	C	G		4.5		10.0	31.0	22.0	22.0	119.3		220.0				9.8	37.7						13.3			
481	DR-252	392+31.67	L	R	G		4.5	5.0	23.0	23.0	14.0	14.0	83.3	70.0	322.0		32.1	10.8	52.8							17.0			
481	DR-253	392+60.50	R	C	G		4.5		34.0	21.0	12.0	8.0	74.3			282.0			10.5	39.6						8.3			
481	DR-254	393+13.71	L	R	G		4.5	5.0	24.0	21.0	12.0	12.0	74.3	60.0	288.0		31.1	9.6	46.9							14.9			
481	DR-255	393+18.50	R	R	G		4.5		7.0	27.0	18.0	17.8	101.3		125.3				5.0	25.2						11.3			
482	DR-256	394+56.00	R	C	C		4.5		7.0	41.0	32.0	32.3	164.3		225.0		87.3		43.3	32.0						43.3			
482	DR-257	395+89.50	R	C	C		4.5		9.0	34.0	25.0	25.0	132.8		225.0		78.3		39.8	25.0						39.8			
482	DR-258	397+65.00	R	R	G		4.5		7.0	21.0	12.0	10.8	74.3		79.7				3.4	17.1						8.3			
482	DR-259	398+66.00	R	C	G		4.5		25.0	33.0	24.0	24.0	128.3		600.0		21.2	21.7	80.9							14.3			
483	DR-260	399+13.47	L	C	A		4.5	5.0	20.0	30.0	21.0	21.0	114.8	105.0	420.0		98.3		71.1	21.0		6.5		2.8	1.6		24.4		
483	DR-261	399+82.47	L	C	G		4.5	5.0	15.0	26.0	17.0	17.0	96.8	85.0	255.0		48.3	12.4	48.5							20.2			
483	DR-262	401+56.62	L	R	C		8.0	5.0		34.5	25.0		238.0	125.0			35.0	0.9	40.3	25.0						40.3			
483	DR-263	402+16.12	L	R	A		8.8	5.0		25.9	16.4		186.1	82.0			35.0		29.8	16.4						29.8			
483	DR-264	402+52.54	L	R	A		8.8	5.0		32.5	23.0		244.2	115.0			38.1	0.3	39.9	23.0						39.9			
483	DR-275	400+83.26	R	C	C		7.2			27.6	13.2		146.9				16.3	0.9	16.3	13.2						16.3			
TOTALS																2010.8	264.9	2252.9	383.6	0.8	82.1	96.7	73.2	36.0	20.9	466.6	491.6		
SUBTOTALS CARRIED TO SHEET 761																2011	265	2253	384	1	83	97	74	36	21	467	492		

**DRIVEWAY SUBSUMMARY**

**LAK-US-20-19.59  
PART 1**

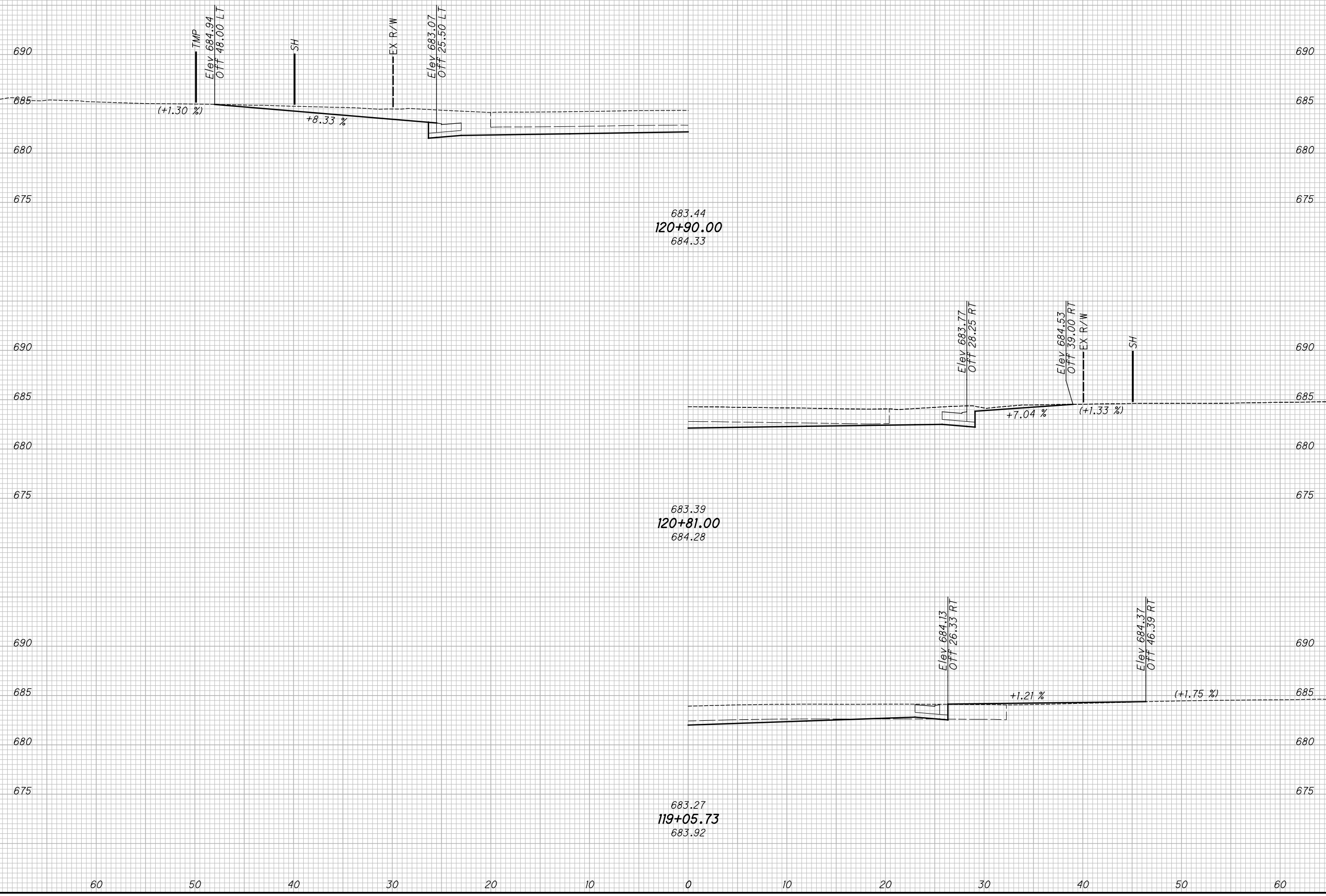
760  
1253

SHEET NO.	REFERENCE NO.	STATION	SIDE	COMMERCIAL "C" RESIDENTIAL "R" CONCRETE "C" ASPHALT "A" GRAVEL "G"	DRIVE ANGLE	APRON LENGTH "L1"	WALK DRIVEWAY LENGTH "L2"	DRIVEWAY LENGTH "L3"	APRON WIDTH "W1"	APRON WIDTH "W2"	DRIVE WIDTH "W3"	CALCULATED APRON SURFACE AREA	CALCULATED WALK SURFACE AREA	CALCULATED DRIVE SURFACE AREA	CADD GENERATED DRIVE SURFACE AREA	202	203	204	252	301		304		407	441	452	452																				
																PAVEMENT REMOVED, AS PER PLAN	EXCAVATION	SUBGRADE COMPACTION	FULL DEPTH PAVEMENT SAWING	3.5" ASPHALT CONCRETE BASE, PG64-22, (449), (DIVEWAYS)	5" ASPHALT CONCRETE BASE, PG64-22, (449), (DIVEWAYS)	8" AGGREGATE BASE	10" AGGREGATE BASE	NON-TRACKING TACK COAT	1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DIVEWAYS)	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS																				
DEG.	FT	FT	FT	FT	FT	FT	SF	SF	SF	SF	SY	CY	SY	FT	CY	CY	CY	CY	CY	CY	CY	CY	CY	CY	SY	SY	SY																				
BLASE NEMETH																																															
486	DR-265	102+75.00	L	C	A	10.0			44.0	24.0		340.0				60.5		37.8	24.0									37.8																			
OHIO STREET																																															
490	DR-266	9+20.00	R	C	A	9.0			53.0	35.0		396.0				74.1		44.0	35.0									44.0																			
490	DR-275	8+52.00	L	C	A	14.5			32.0	52.0		609.0				60.3	5.0	67.7	52.0									67.7																			
PERRY PARK																																															
491	DR-267	9+74.50	L	C	A	10.0			55.0	35.0		450.0				104.5		50.0	35.0									50.0																			
491	DR-268	11+39.00	R	C	G	11.2			43.4	21.0		360.6					8.9	40.1										40.1																			
MIDDLE RIDGE																																															
492	DR-269	11+76.00	L	C	G	5.0		36.0	20.0	10.0	10.0	75.0					12.9	48.3					11.1					8.3																			
492	DR-270	11+76.00	R	C	G	5.0		49.0	20.0	10.0	10.0	75.0					16.9	62.8					15.1					8.3																			
492	DR-271	13+00.00	R	C	G	10.0		15.0	30.0	12.0	10.8	210.0					10.5	42.3					5.3					23.3																			
CALL ROAD																																															
496	DR-272	8+50.00	R	C	G	10.5			37.0	16.0		278.3					6.9	30.9										30.9																			
496	DR-273	9+30.00	R	C	G	10.0			40.0	20.0		300.0					7.4	33.3										33.3																			
ANTIOCH ROAD																																															
497	DR-274	10+82.00	L	C	C	11.0			55.7	35.0		498.9				52.3	3.6	55.4	35.0									55.4																			
TOTALS																351.7	72.1	512.6	181.0									31.5														399.1					
SUBTOTALS THIS SHEET																352	73	513	181																									400			
SUBTOTALS SHEET 756																3124	207	2403	916	8	110	43	96	52	30	300	710																				
SUBTOTALS SHEET 757																2157	295	2268	543	9	82	90	113	41	24	273	517																				
SUBTOTALS SHEET 758																3847	267	2627	638	10	99	112	72	49	28	483	583																				
SUBTOTALS SHEET 759																3171	225	2405	588	14	64	62	70	36	21	441	843																				
SUBTOTALS SHEET 760																2011	265	2253	384	1	83	97	74	36	21	467	492																				
TOTALS CARRIED TO GENERAL SUMMARY																14662	1332	12469	3250		480		861	214	124	1964	3545																				

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SEEDING  
END SO.  
WIDTH YDS.

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



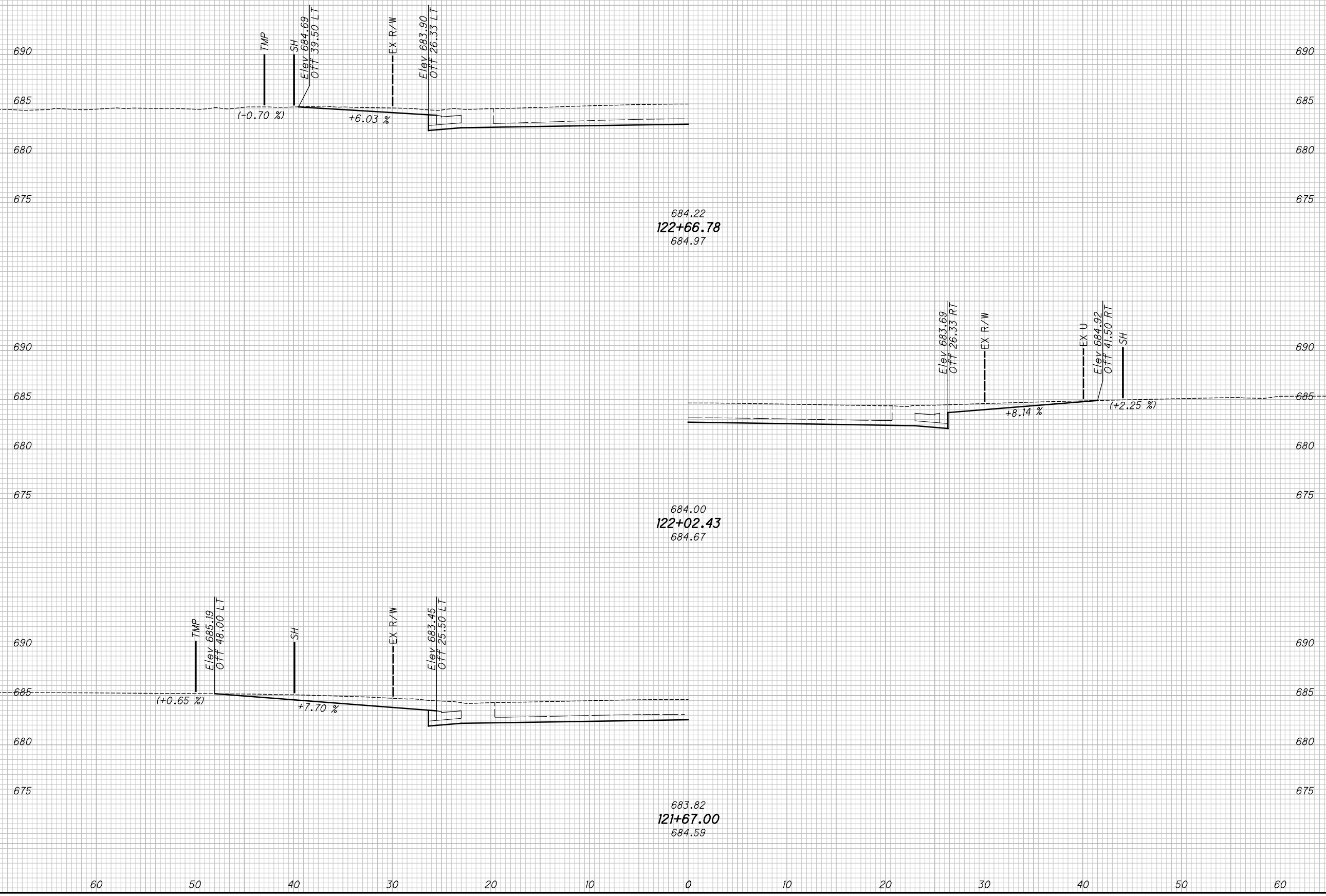
**LAK-US-20-19.59**  
**DRIVEWAY PROFILES U.S. 20**  
**PART 1**  
**STA. 119+05.73 TO STA. 120+90.00**

762  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



**DRIVEWAY PROFILES U.S. 20**  
**STA. 121+67.00 TO STA. 122+66.78**

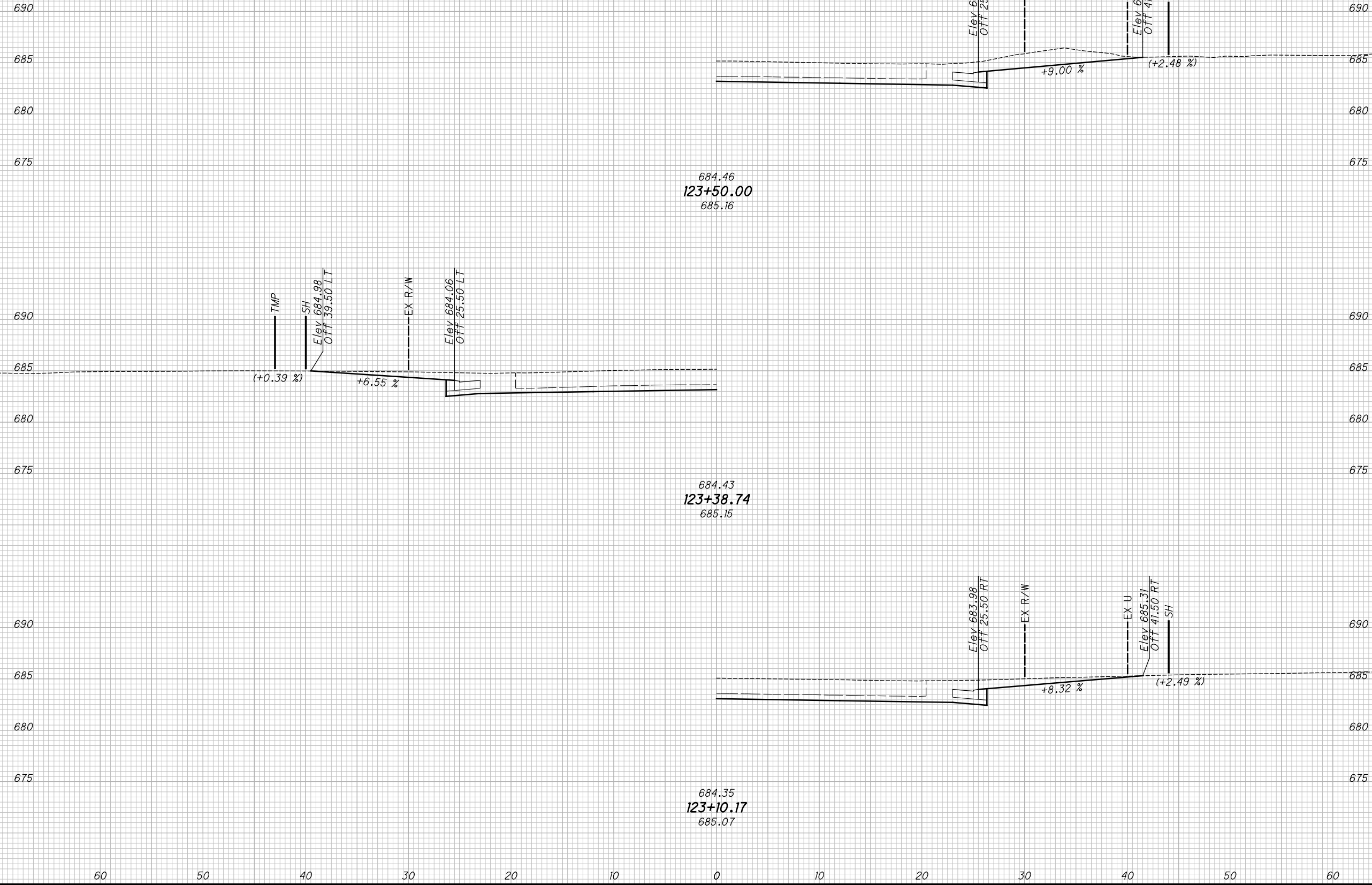
**LAK-US-20-19.59**  
**PART 1**

763  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



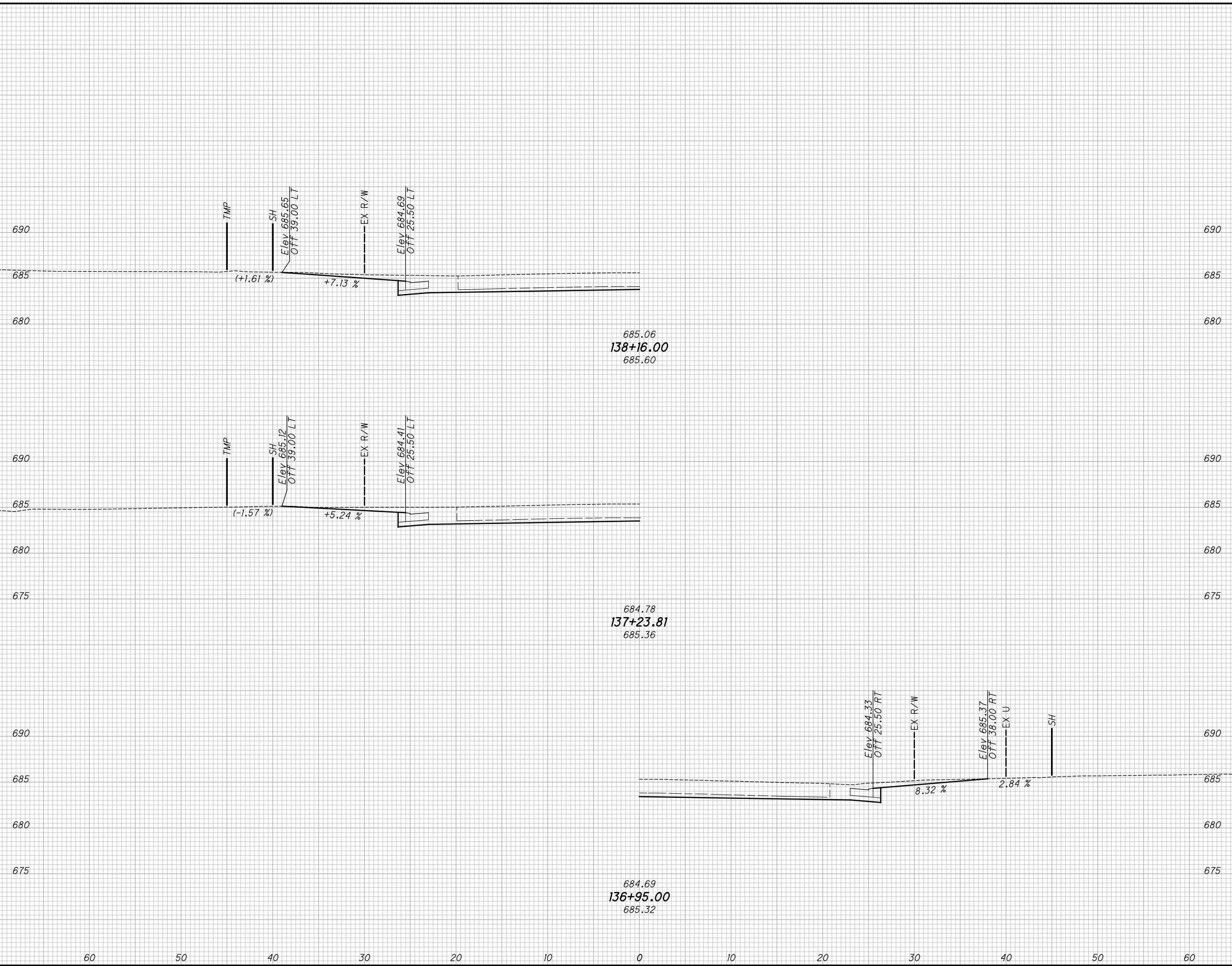
**DRIVEWAY PROFILES U.S. 20**  
**STA. 123+10.17 TO STA. 123+50.00**

**LAK-US-20-19.59**  
**PART 1**

764  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20**  
**STA. 136 + 95.00 TO STA. 138 + 16.00**

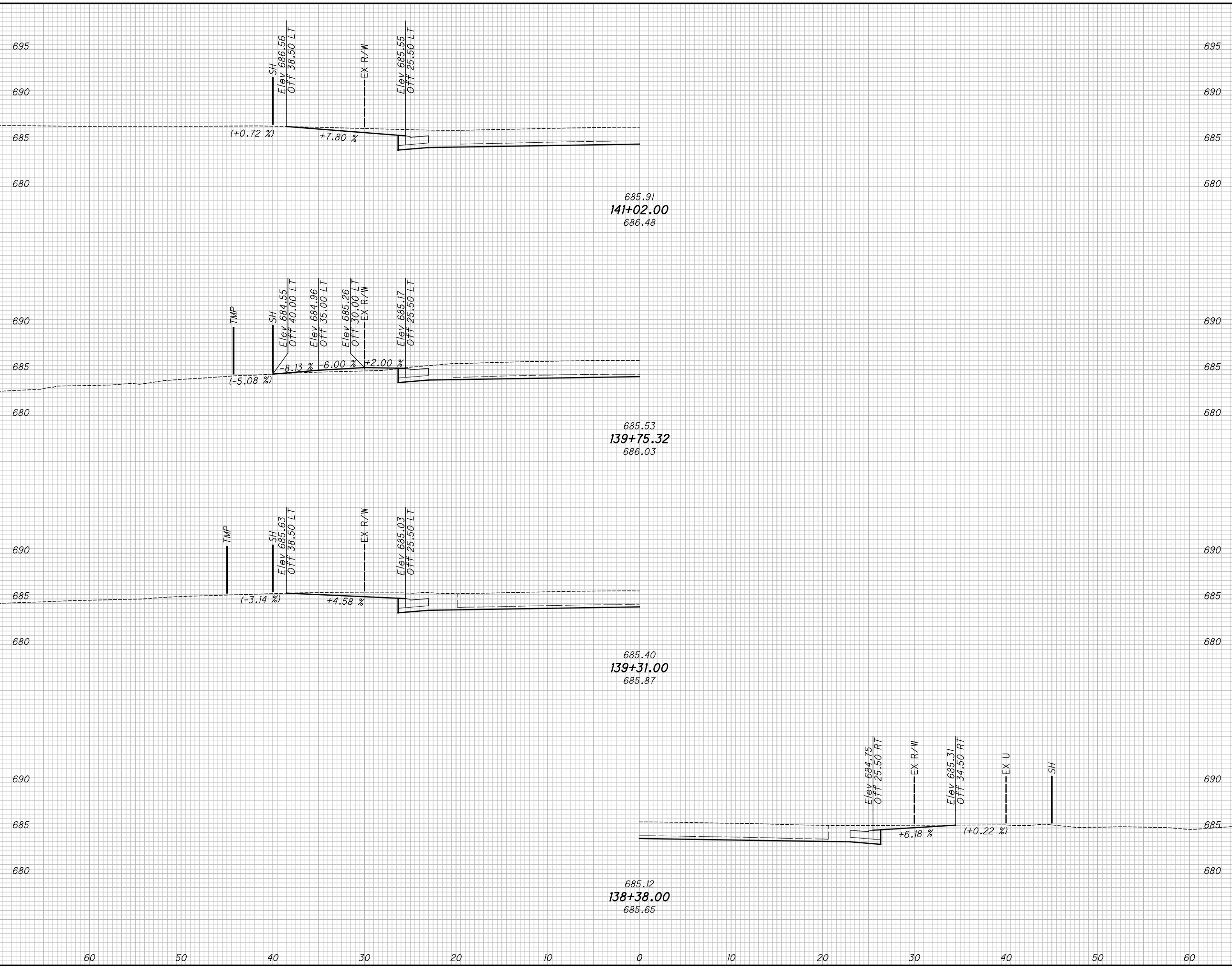
**LAK-US-20-19.59**  
**PART 1**

765  
1253



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SEEDING	
END WIDTH	SO. YDS.



END AREA	VOLUME	CALCULATED JUMP	CHECKED WDB

**LAK-US-20-19.59**  
**PART 1**

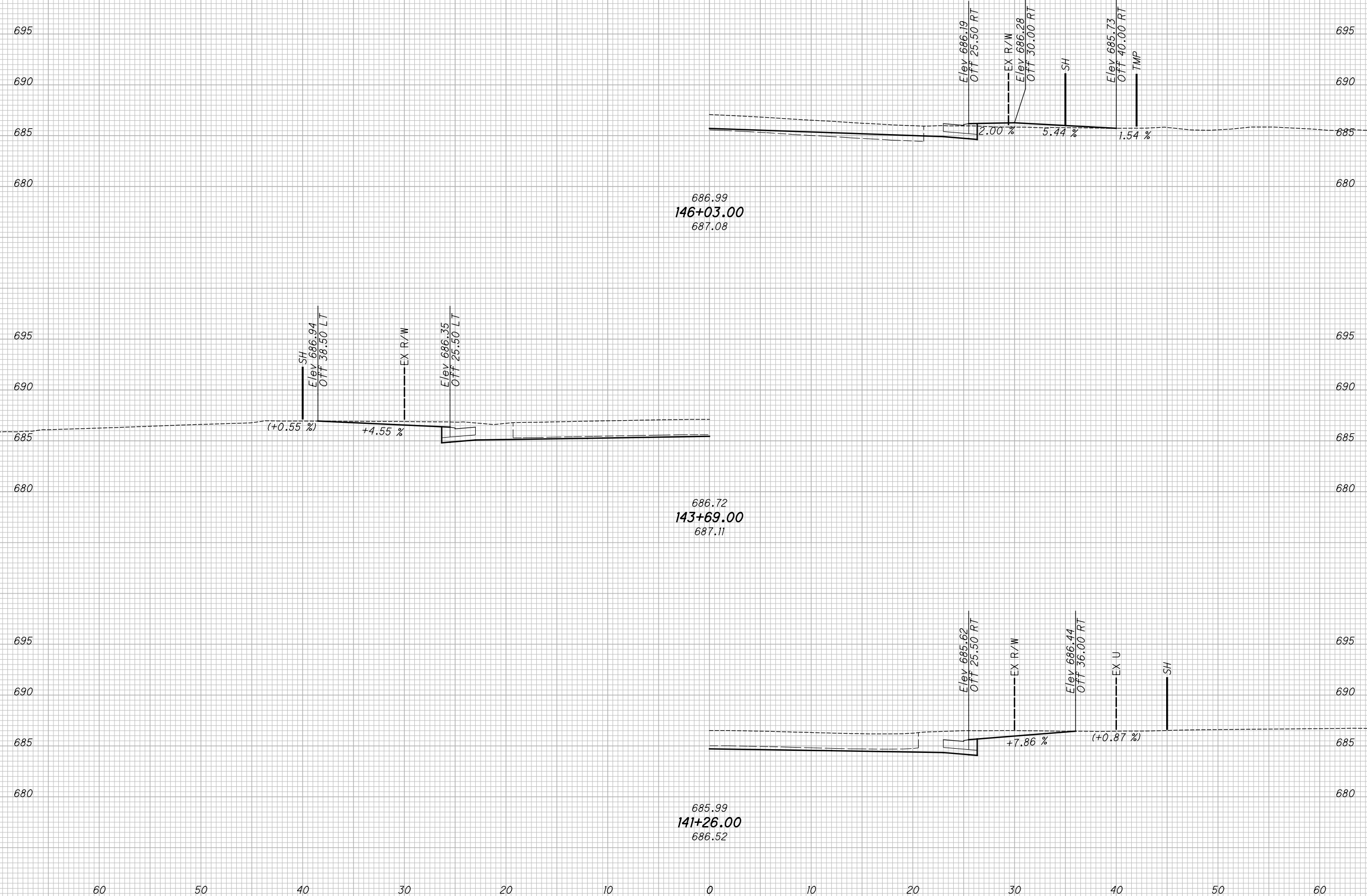
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**STA. 138+38.00 TO STA. 141+02.00**



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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



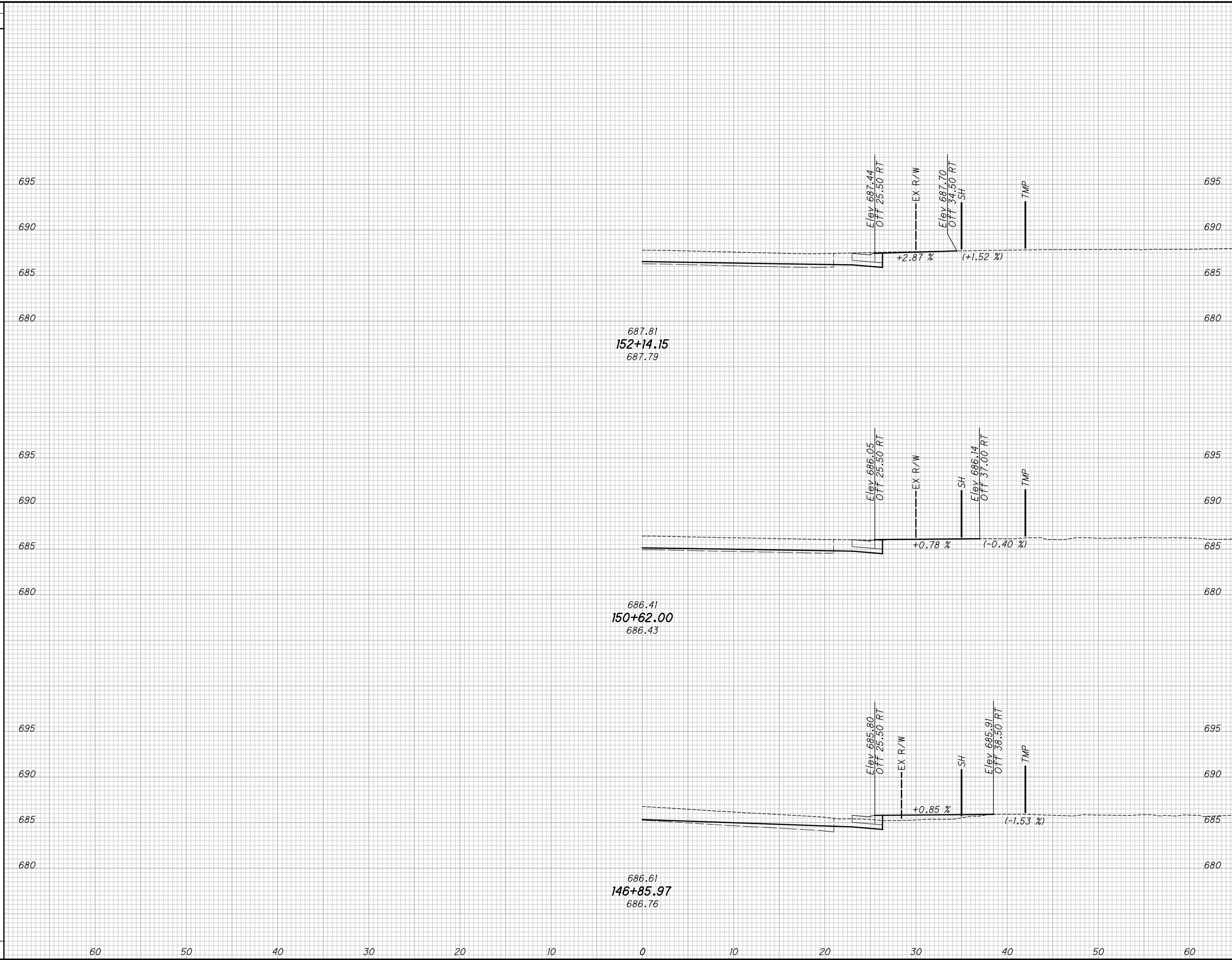
**DRIVEWAY PROFILES U.S. 20**  
**STA. 141+26.00 TO STA. 146+03.00**

**LAK-US-20-19.59**  
**PART 1**

767  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20  
STA. 146+85.97 TO STA. 152+14.15**

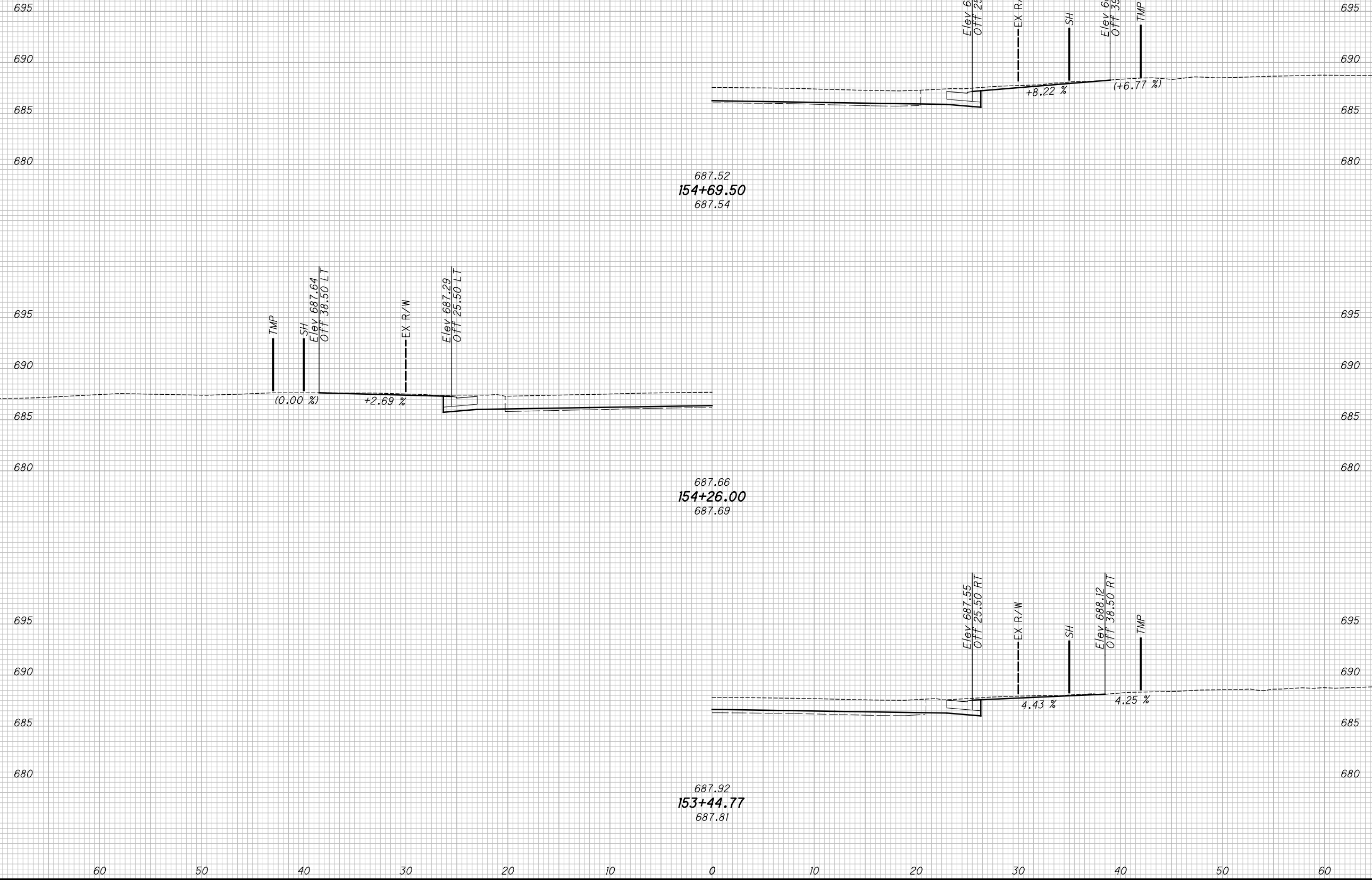
**LAK-US-20-19.59  
PART 1**

768  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



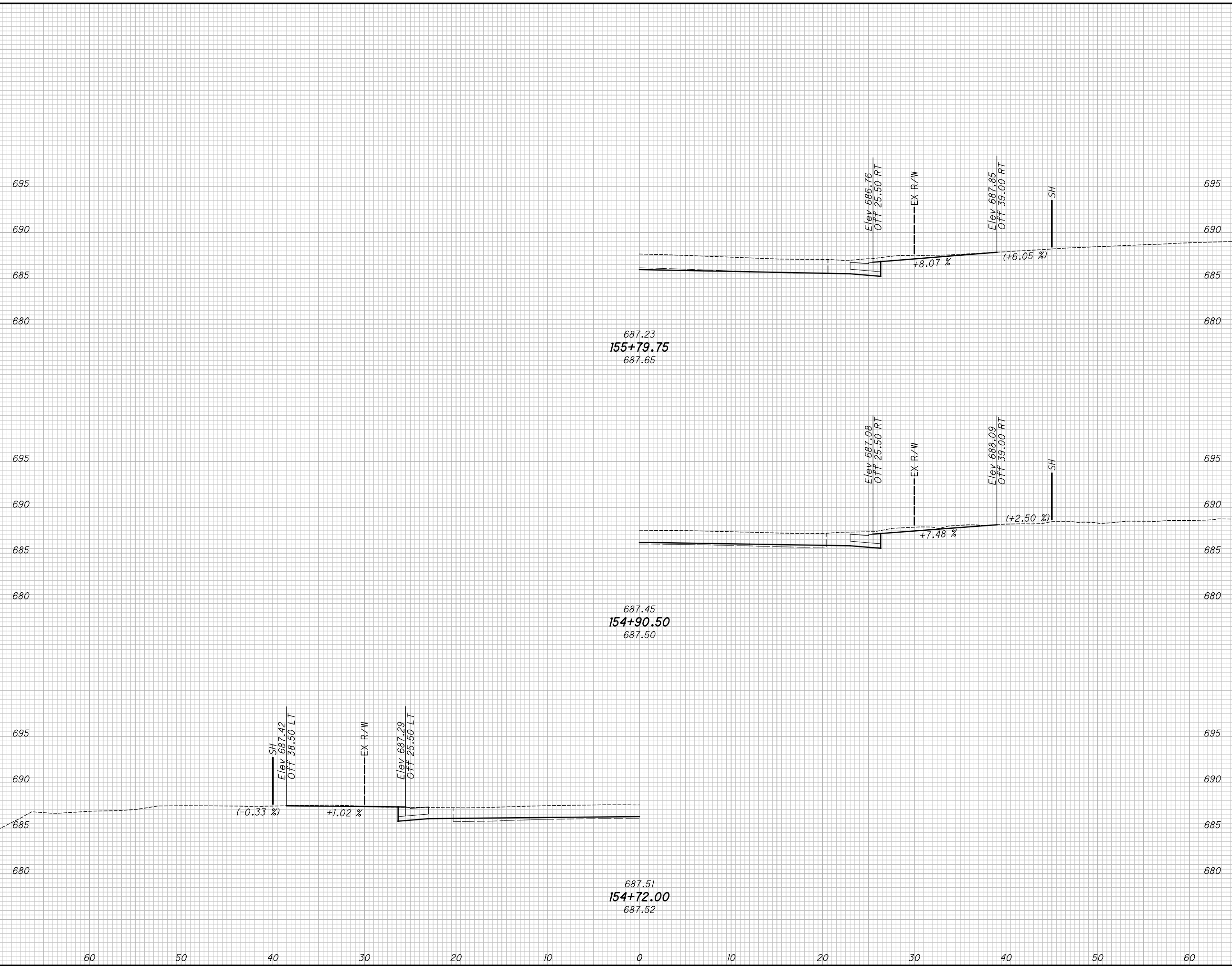
**DRIVEWAY PROFILES U.S. 20**  
**STA. 153+44.77 TO STA. 154+69.50**

**LAK-US-20-19.59**  
**PART 1**

769  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

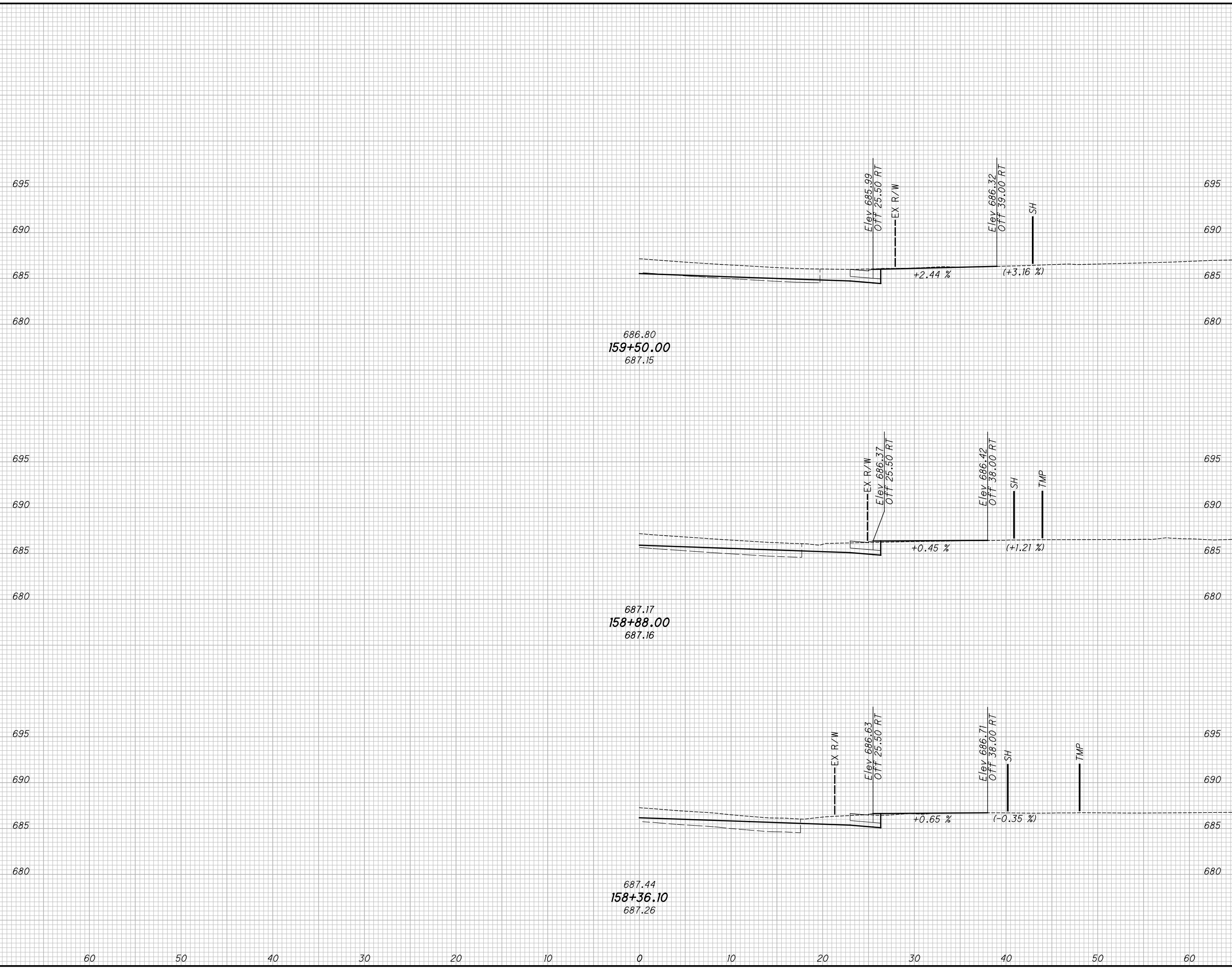
**DRIVEWAY PROFILES U.S. 20**  
**STA. 154+72.00 TO STA. 155+79.75**

**LAK-US-20-19.59**  
**PART 1**

770  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		

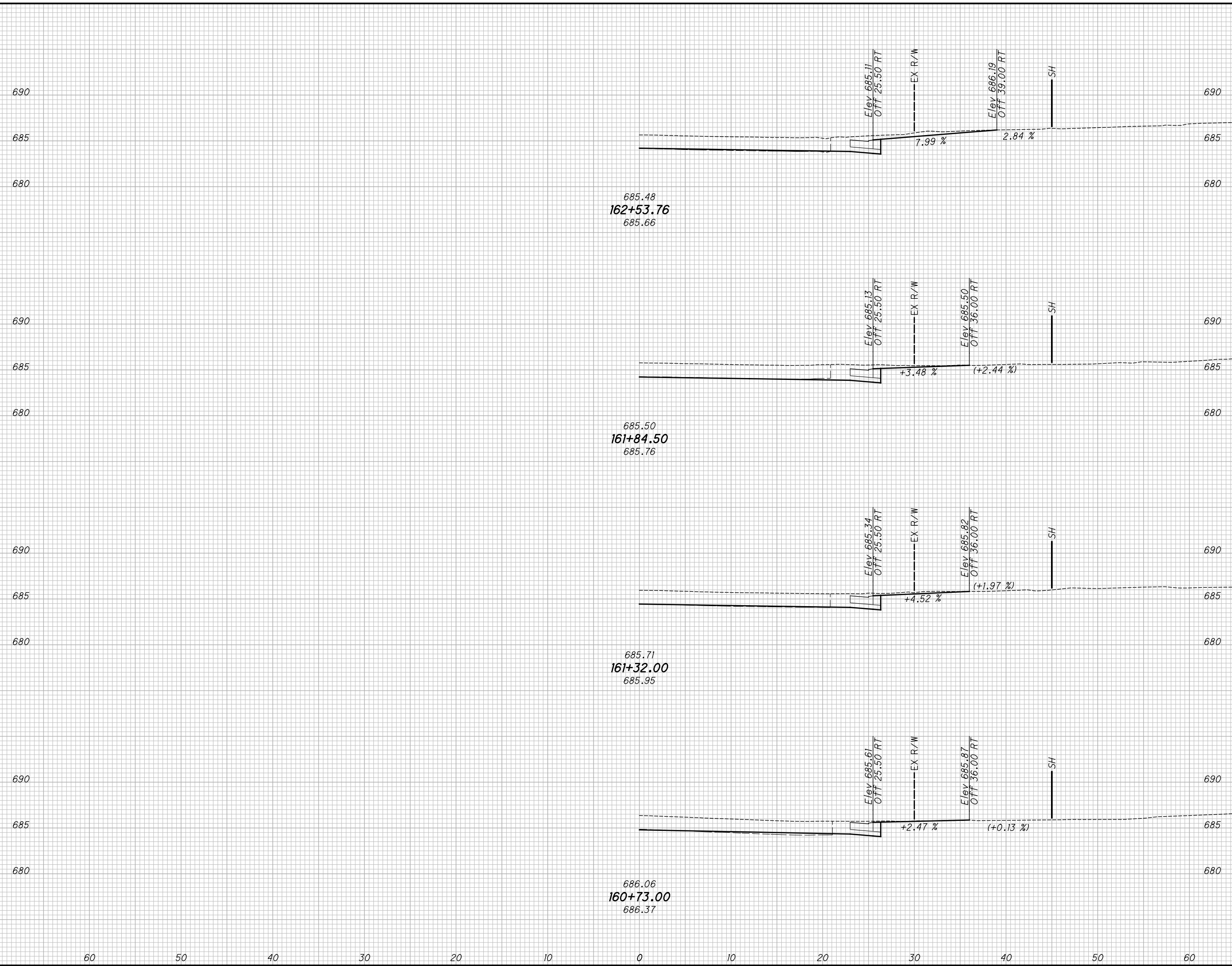
**DRIVEWAY PROFILES U.S. 20**  
**STA. 158 + 36.10 TO STA. 159 + 50.00**

**LAK-US-20-19.59**  
**PART 1**

(771)  
 1253

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SEEDING	
END WIDTH	SO. YDS.
60	
50	
40	
30	
20	
10	
0	
10	
20	
30	
40	
50	
60	



END AREA		VOLUME	
CUT	FILL	CUT	FILL

**DRIVEWAY PROFILES U.S. 20**

**STA. 160+73.00 TO STA. 162+53.76**

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**LAK-US-20-19.59**

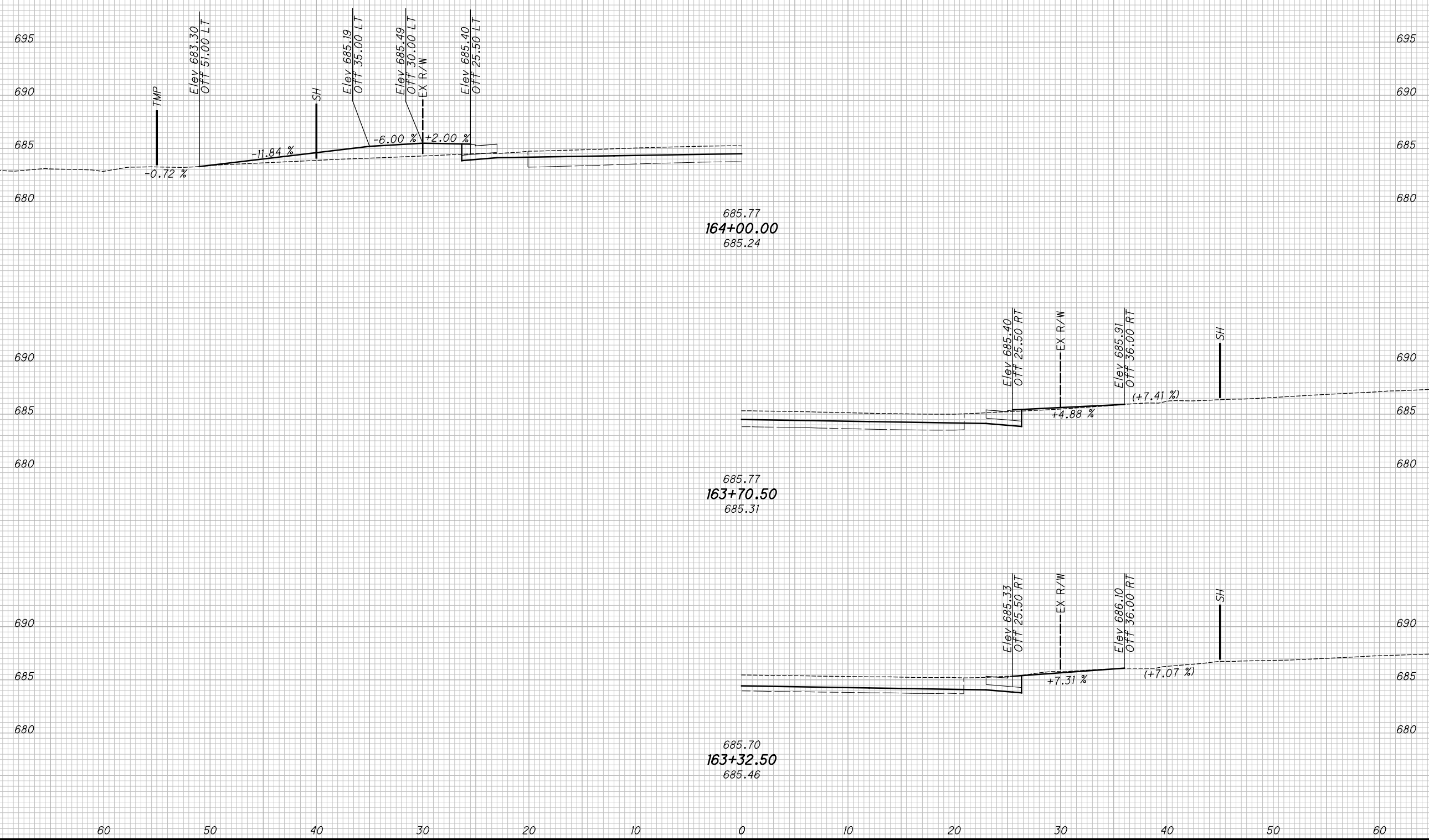
**PART 1**

772
1253

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SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		



LAK-US-20-19.59  
 PART 1  
 DRIVEWAY PROFILES U.S. 20  
 STA. 163+32.50 TO STA. 164+00.00

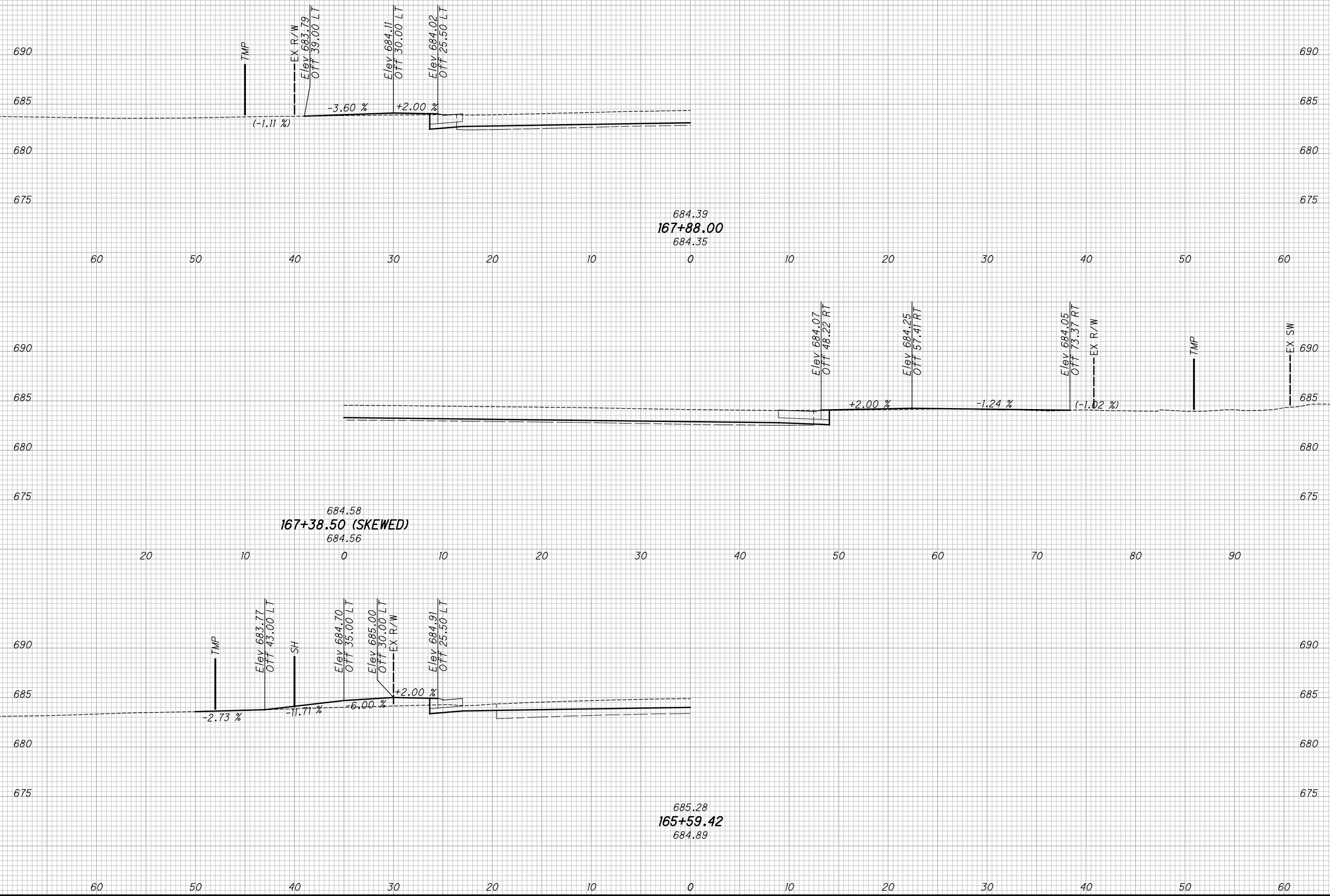
773  
 1253



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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



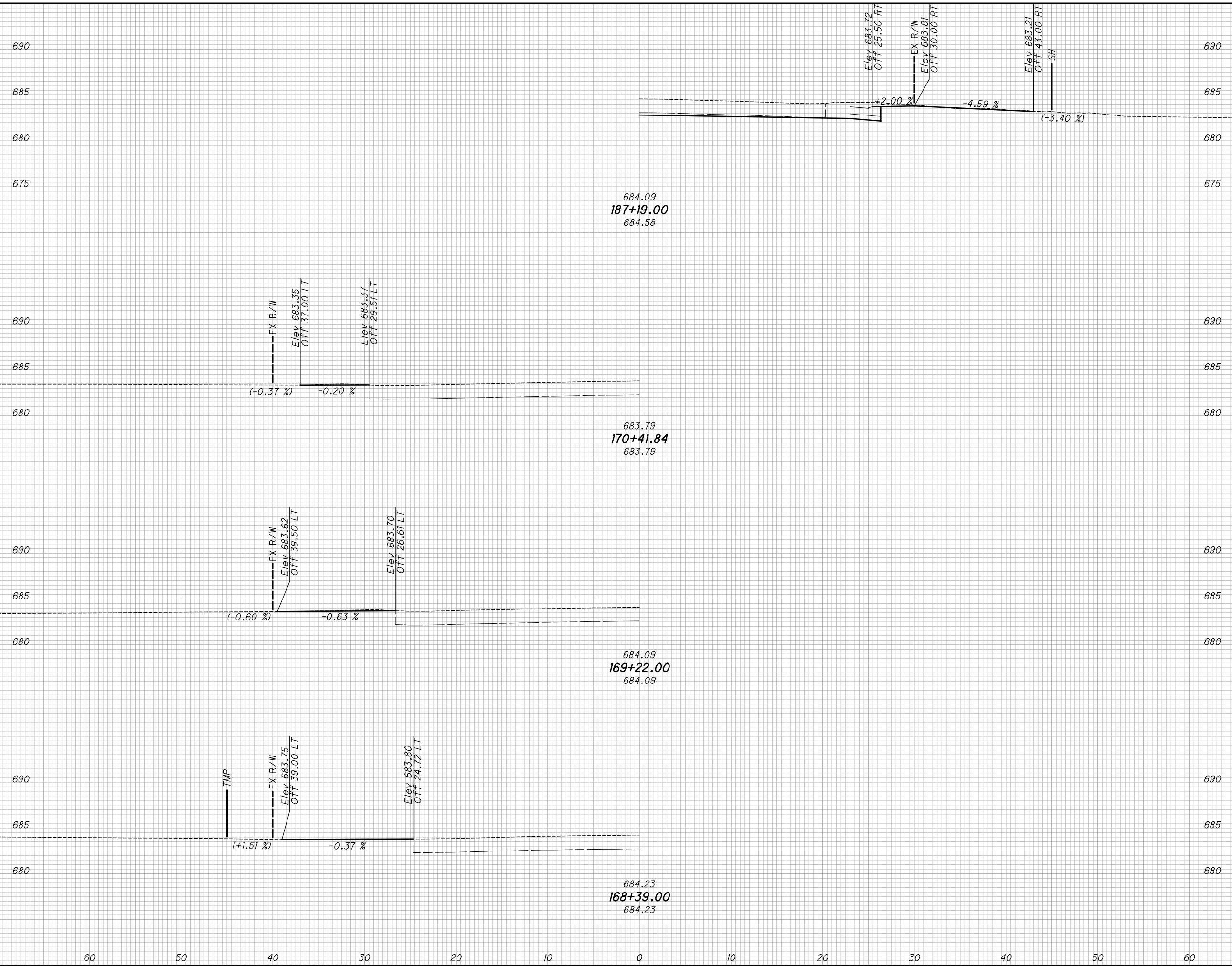
**DRIVEWAY PROFILES U.S. 20**  
**STA. 165+59.42 TO STA. 167+88.00**

**LAK-US-20-19.59**  
**PART 1**

774  
1253

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_14 7/15/2022 3:23:16 PM Troyer

SEEDING	
END WIDTH	SO. YDS.



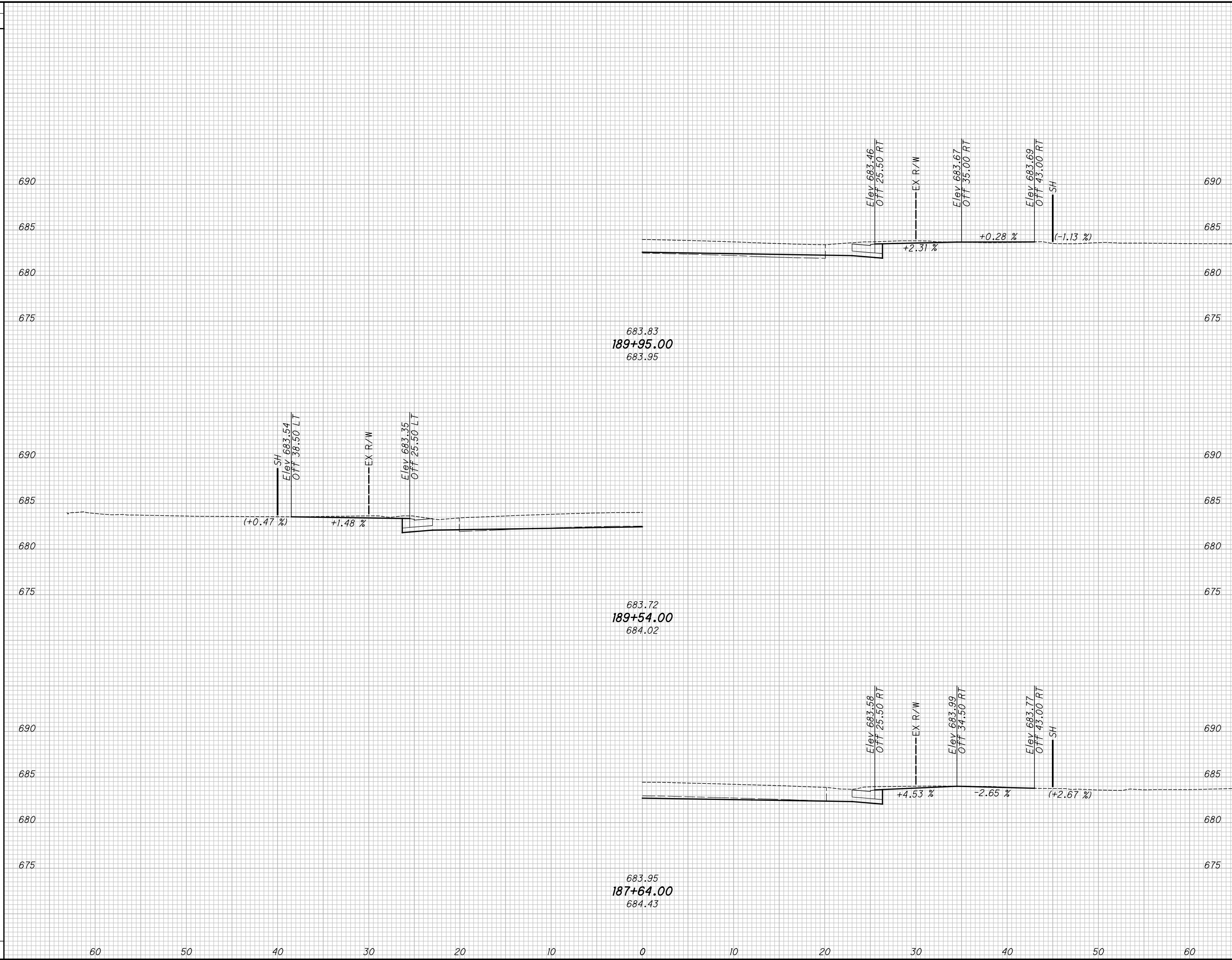
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JUMP  
 CHECKED WDB  
**LAK-US-20-19.59**  
**PART 1**  
**DRIVEWAY PROFILES U.S. 20**  
**STA. 168+39.00 TO STA. 187+19.00**

775  
1253

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SEEDING	
END WIDTH	SO. YDS.



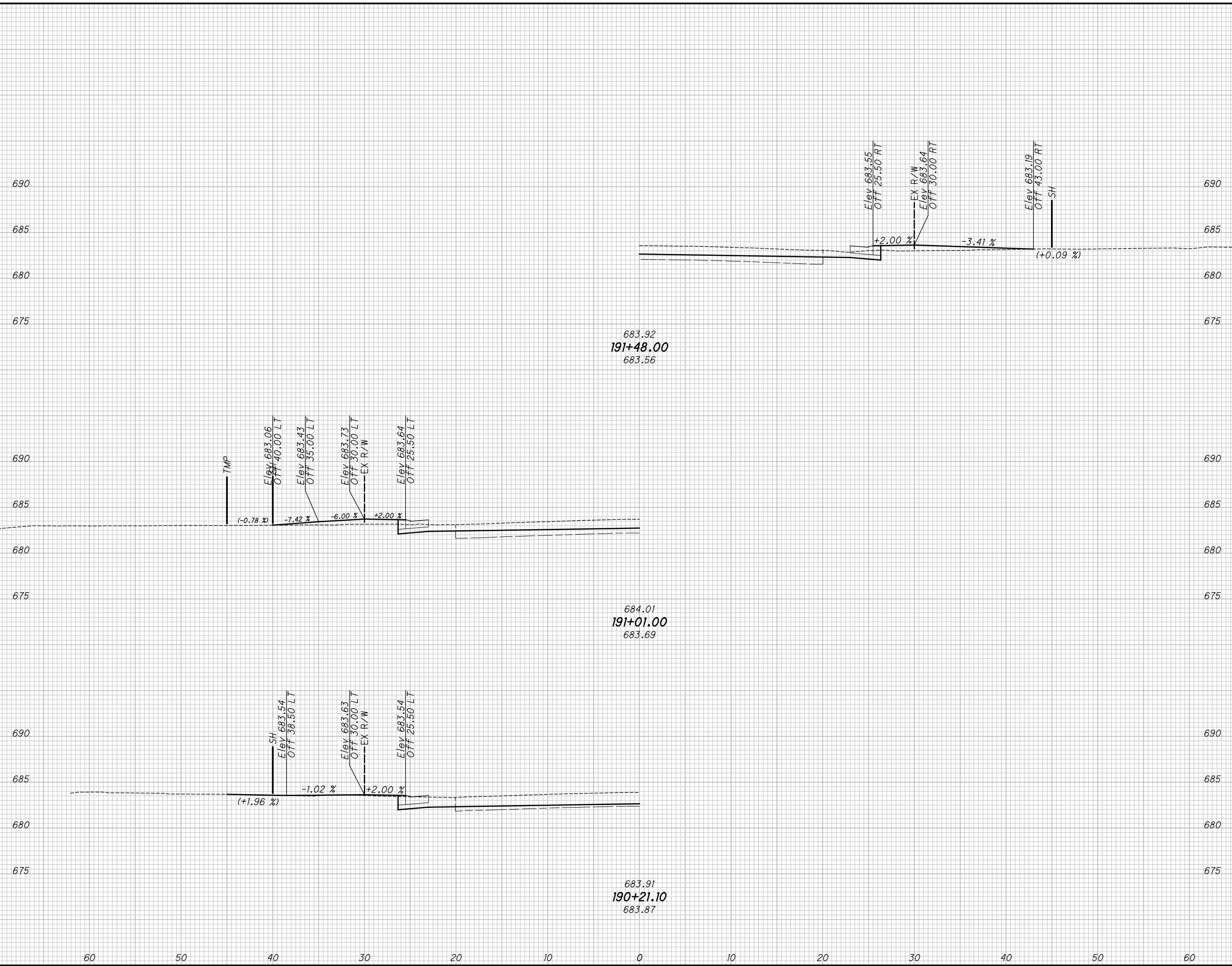
END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

<b>LAK-US-20-19.59</b> <b>PART 1</b>	<b>DRIVEWAY PROFILES U.S. 20</b> <b>STA. 187+64.00 TO STA. 189+95.00</b>
	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">776</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1253</span>

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SEEDING	
END WIDTH	SO. YDS.



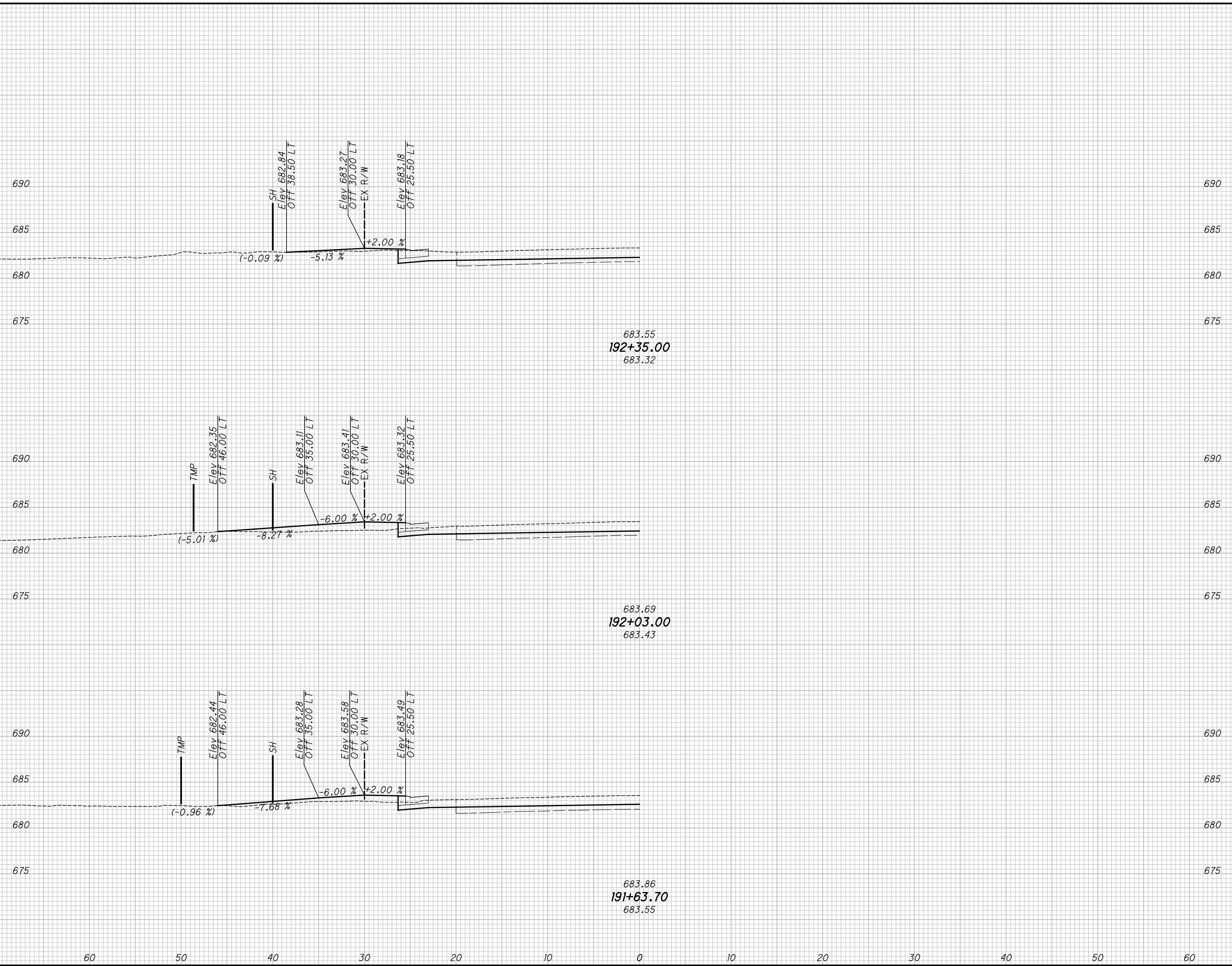
END AREA		VOLUME	
CUT	FILL	CUT	FILL

**LAK-US-20-19.59**  
**PART 1**  
**DRIVEWAY PROFILES U.S. 20**  
**STA. 190+21.10 TO STA. 191+48.00**

777  
 1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

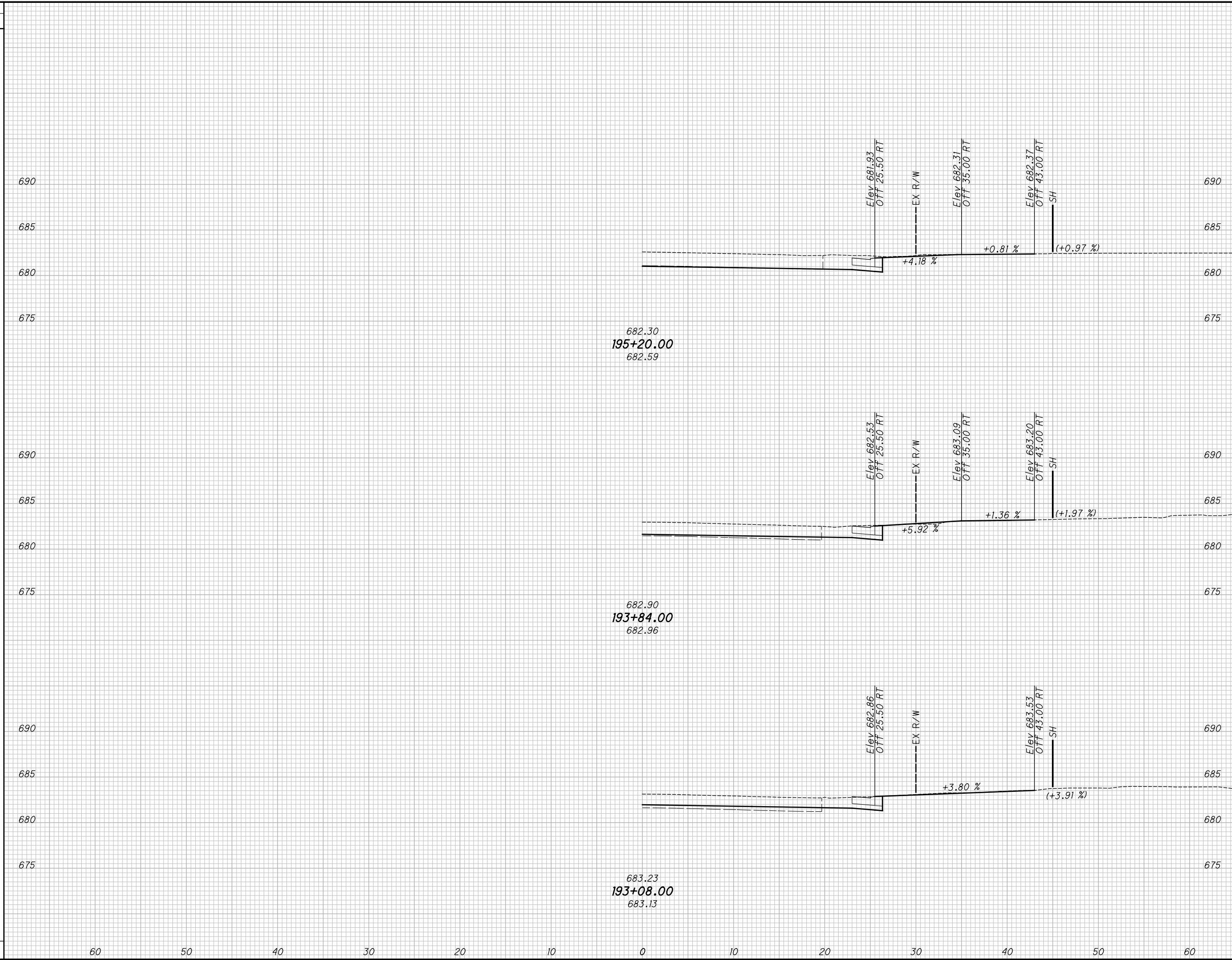
**DRIVEWAY PROFILES U.S. 20  
 STA. 191+63.70 TO STA. 192+35.00**

**LAK-US-20-19.59  
 PART 1**

778  
 1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA	VOLUME	CALCULATED	CHECKED				
				CUT	FILL	CUT	FILL

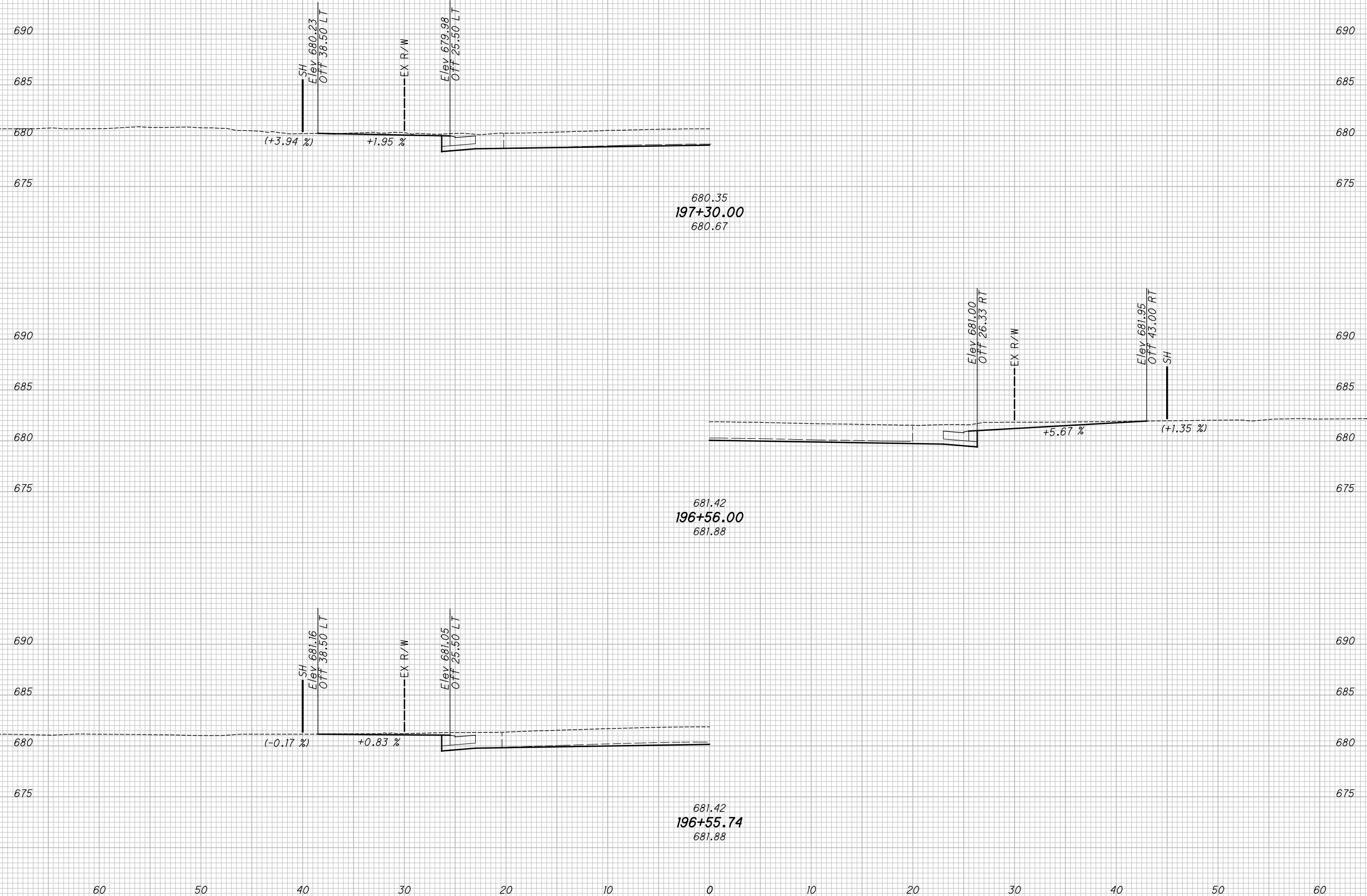
**DRIVEWAY PROFILES U.S. 20  
STA. 193+08.00 TO STA. 195+20.00**

**LAK-US-20-19.59  
PART 1**

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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



**DRIVEWAY PROFILES U.S. 20**  
**STA. 196+55.74 TO STA. 197+30.00**

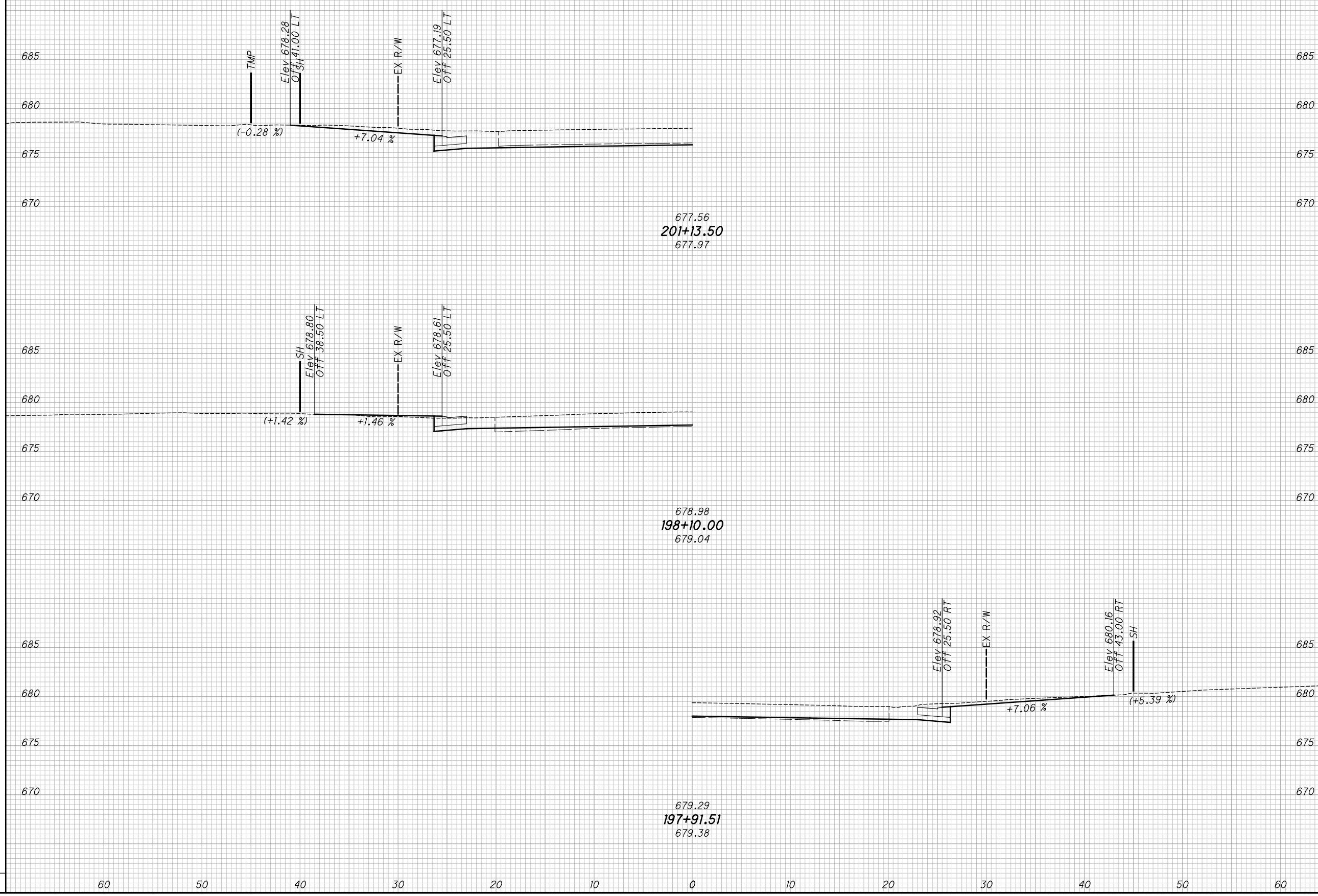
**LAK-US-20-19.59**  
**PART 1**

780  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



DRIVEWAY PROFILES U.S. 20  
STA. 197+91.51 TO STA. 201+13.50

LAK-US-20-19.59  
PART 1

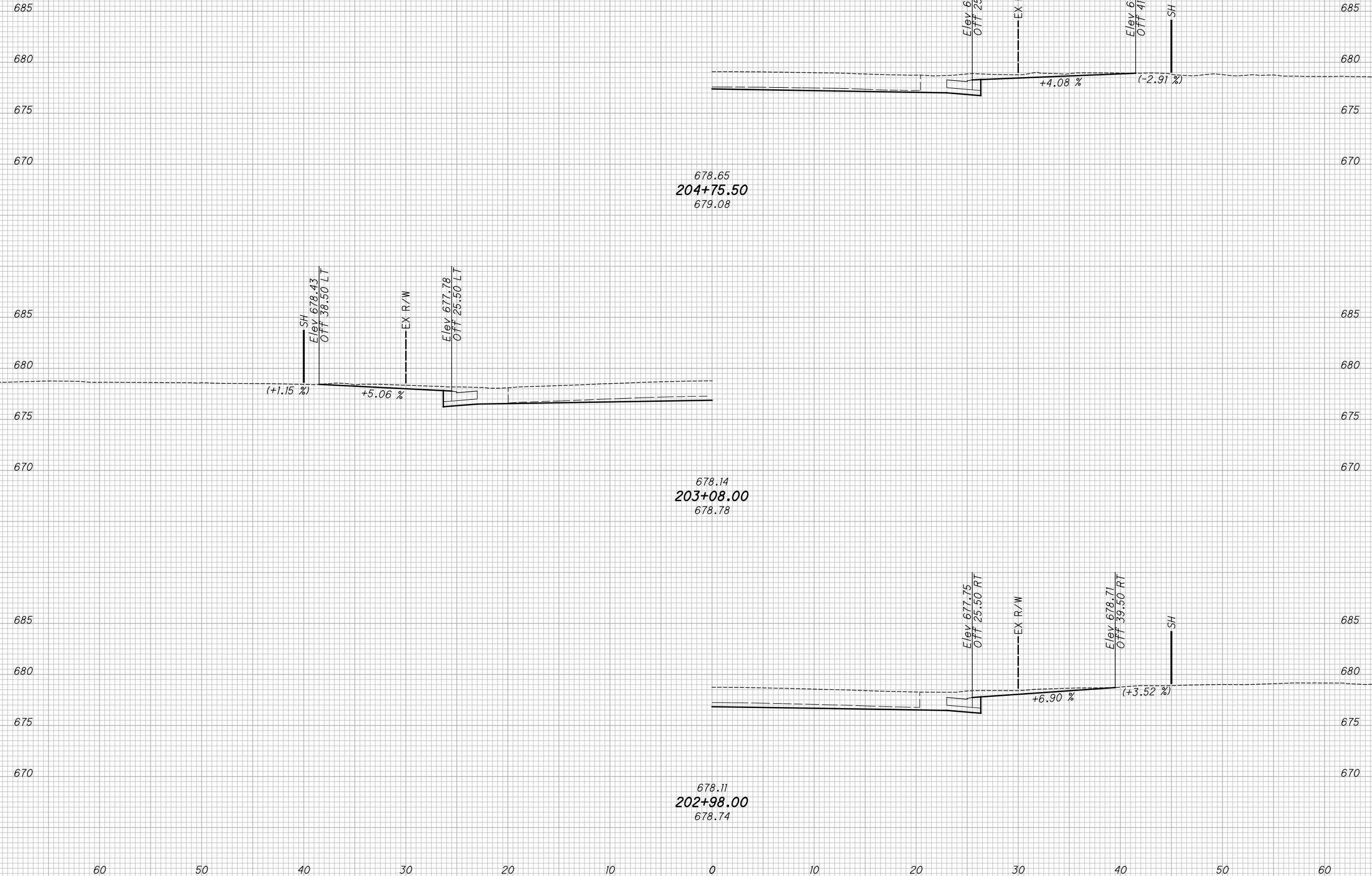
781  
1253



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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



**DRIVEWAY PROFILES U.S. 20**  
**STA. 202+98.00 TO STA. 204+75.50**

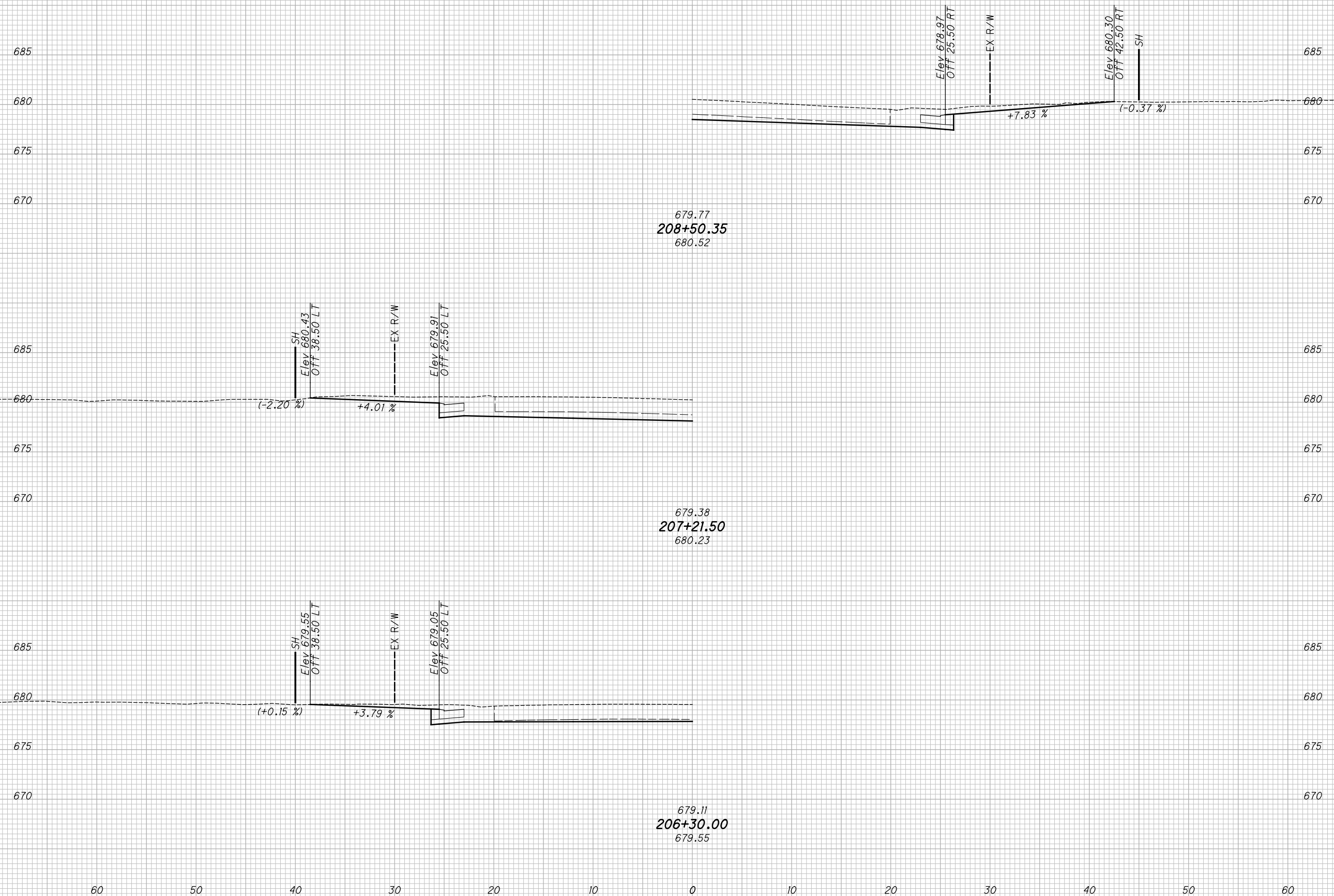
**LAK-US-20-19.59**  
**PART 1**

782  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JMP	WDB



679.77  
208+50.35  
680.52

679.38  
207+21.50  
680.23

679.11  
206+30.00  
679.55

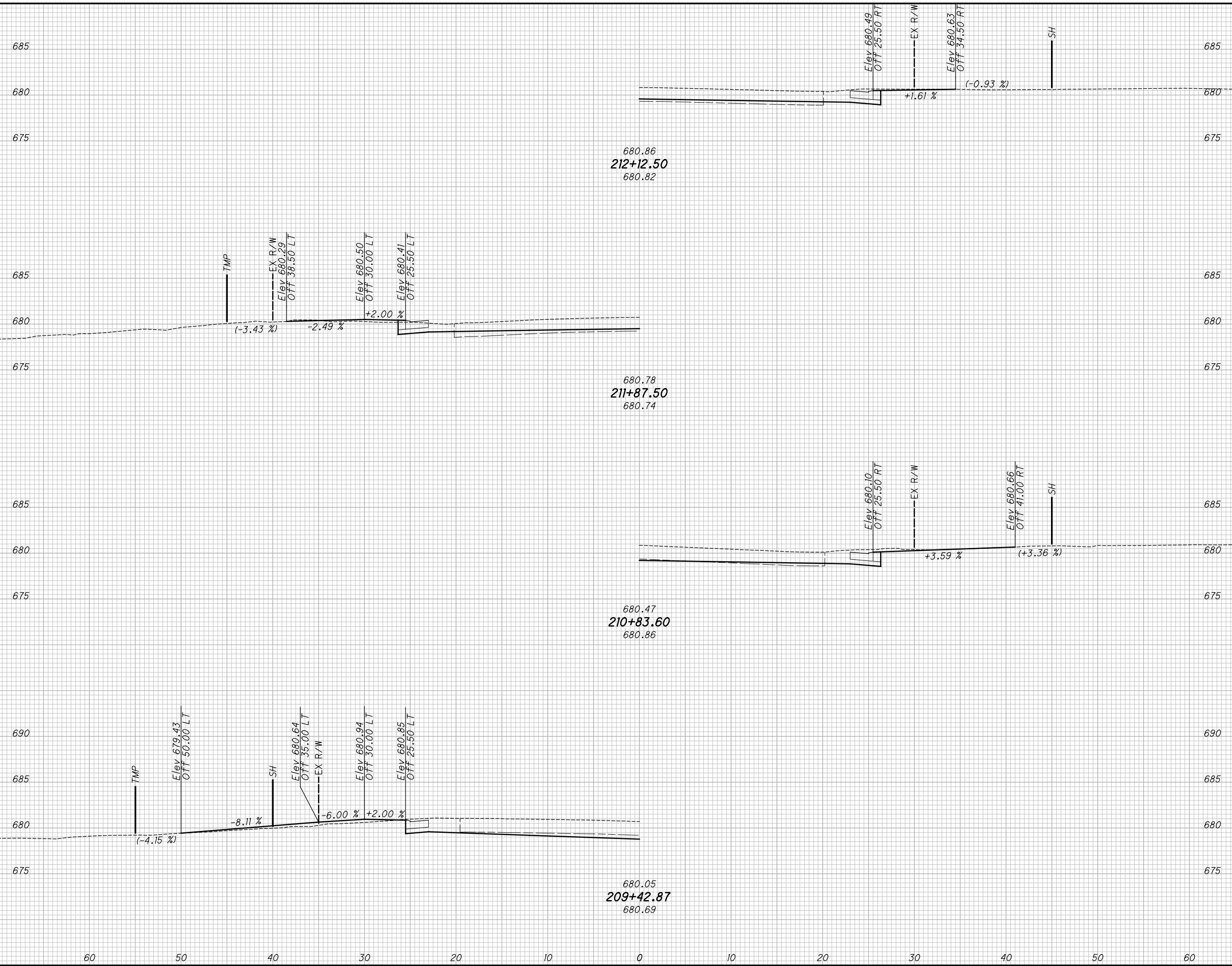
**DRIVEWAY PROFILES U.S. 20**  
**STA. 206+30.00 TO STA. 208+50.35**

**LAK-US-20-19.59**  
**PART 1**

783  
1253

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SEEDING	
END WIDTH	SO. YDS.



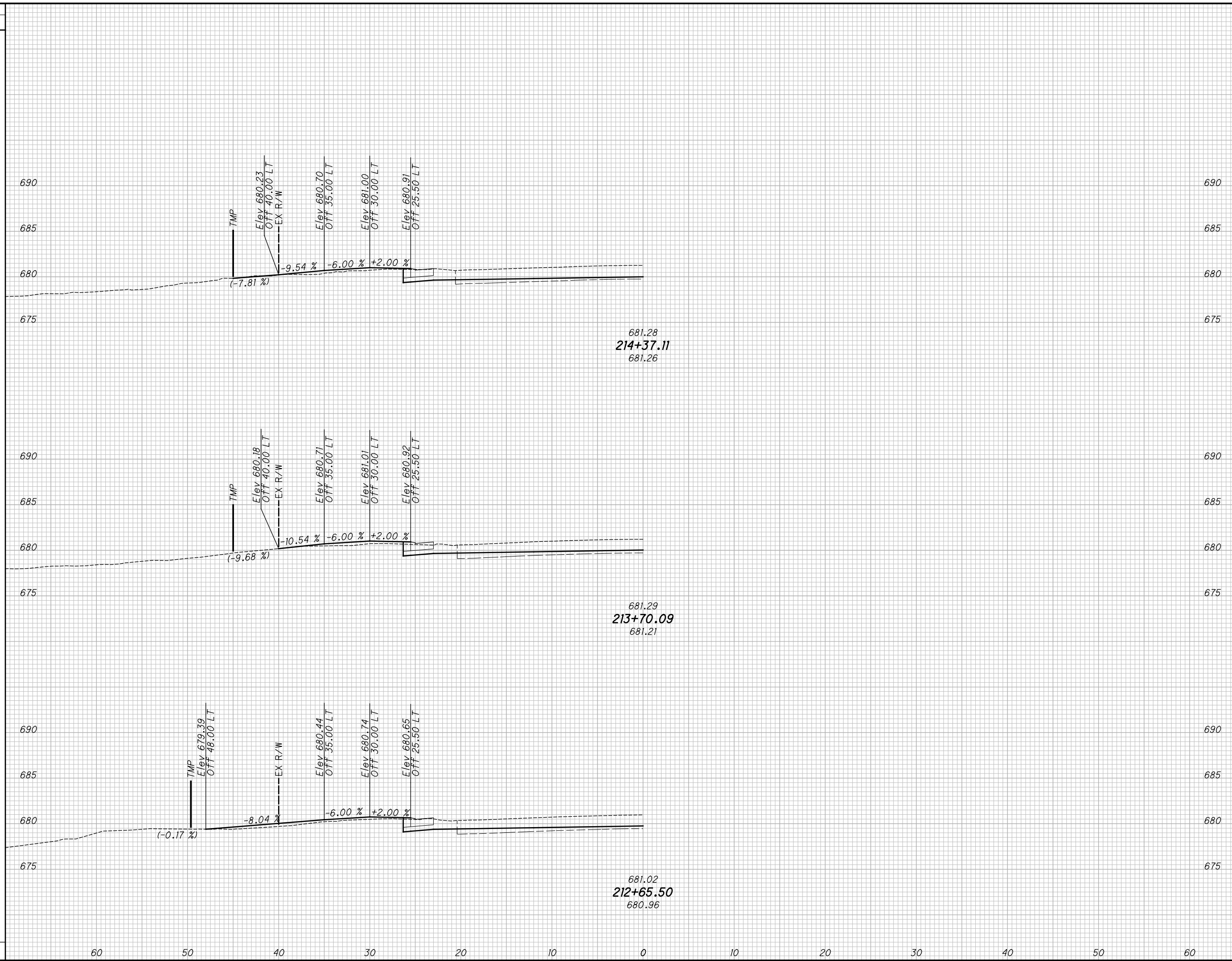
END AREA		VOLUME	
CUT	FILL	CUT	FILL

**LAK-US-20-19.59**  
**PART 1**

**DRIVEWAY PROFILES U.S. 20**  
**STA. 209+42.87 TO STA. 212+12.50**

CALCULATED  
JMP  
CHECKED  
WDB

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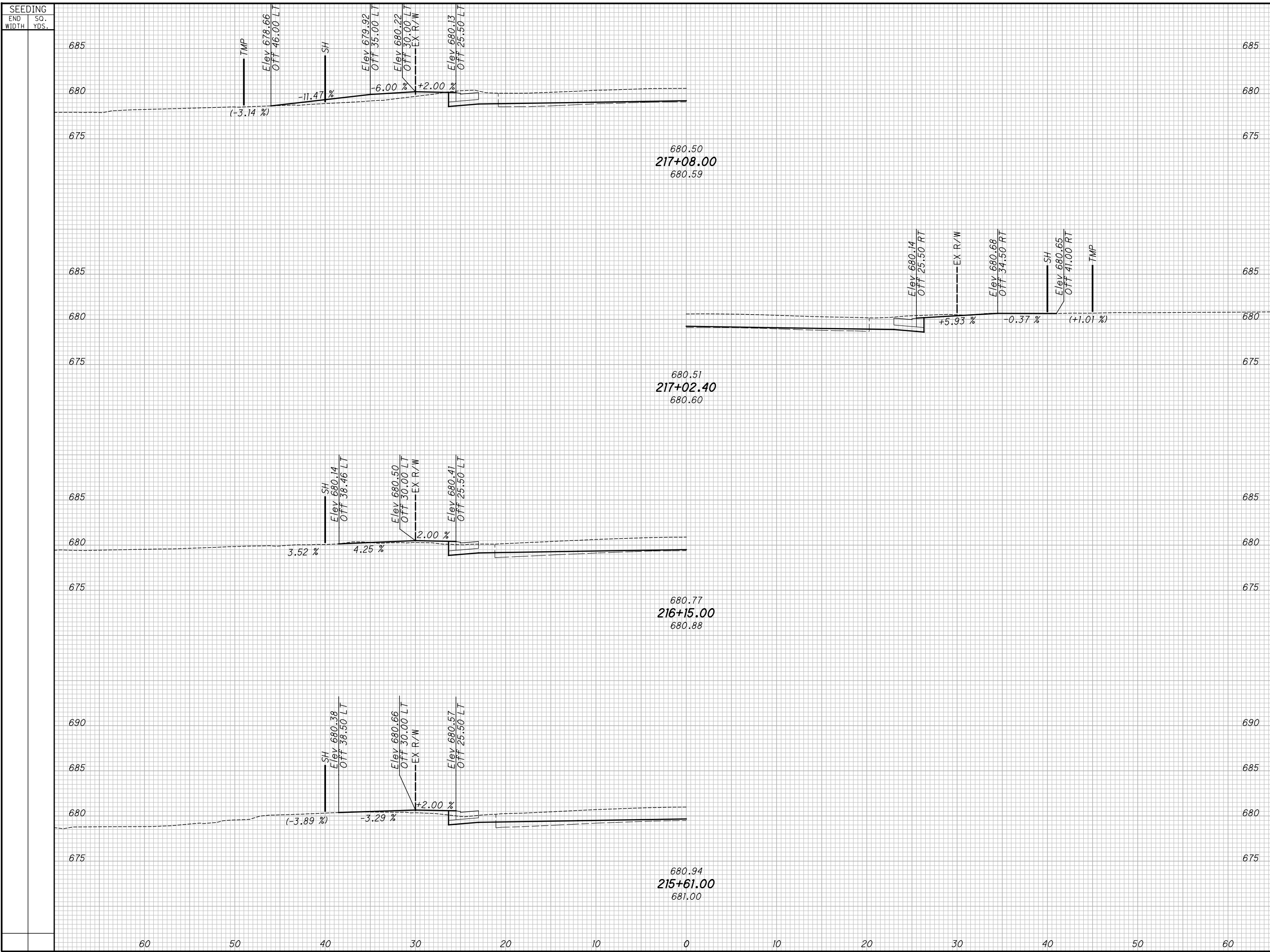
SEEDING		END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20  
STA. 212+65.50 TO STA. 214+37.11**

**LAK-US-20-19.59  
PART 1**

(785)  
1253

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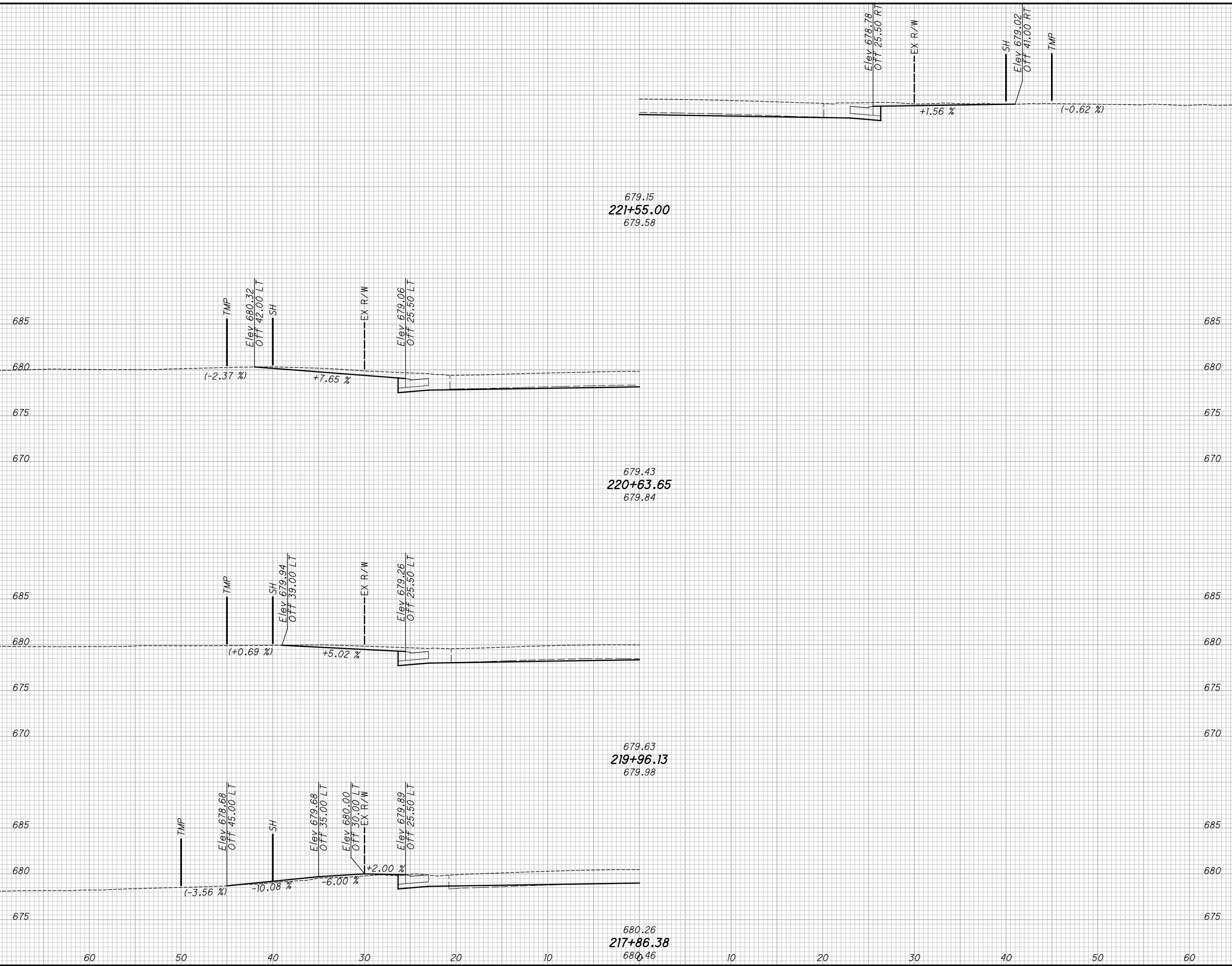
SEEDING		END AREA		VOLUME		CALCULATED		
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JMP	CHECKED	WDB

**DRIVEWAY PROFILES U.S. 20**  
**STA. 215+61.00 TO STA. 217+08.00**

**LAK-US-20-19.59**  
**PART 1**

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SEEDING	
END WIDTH	SO. YDS.



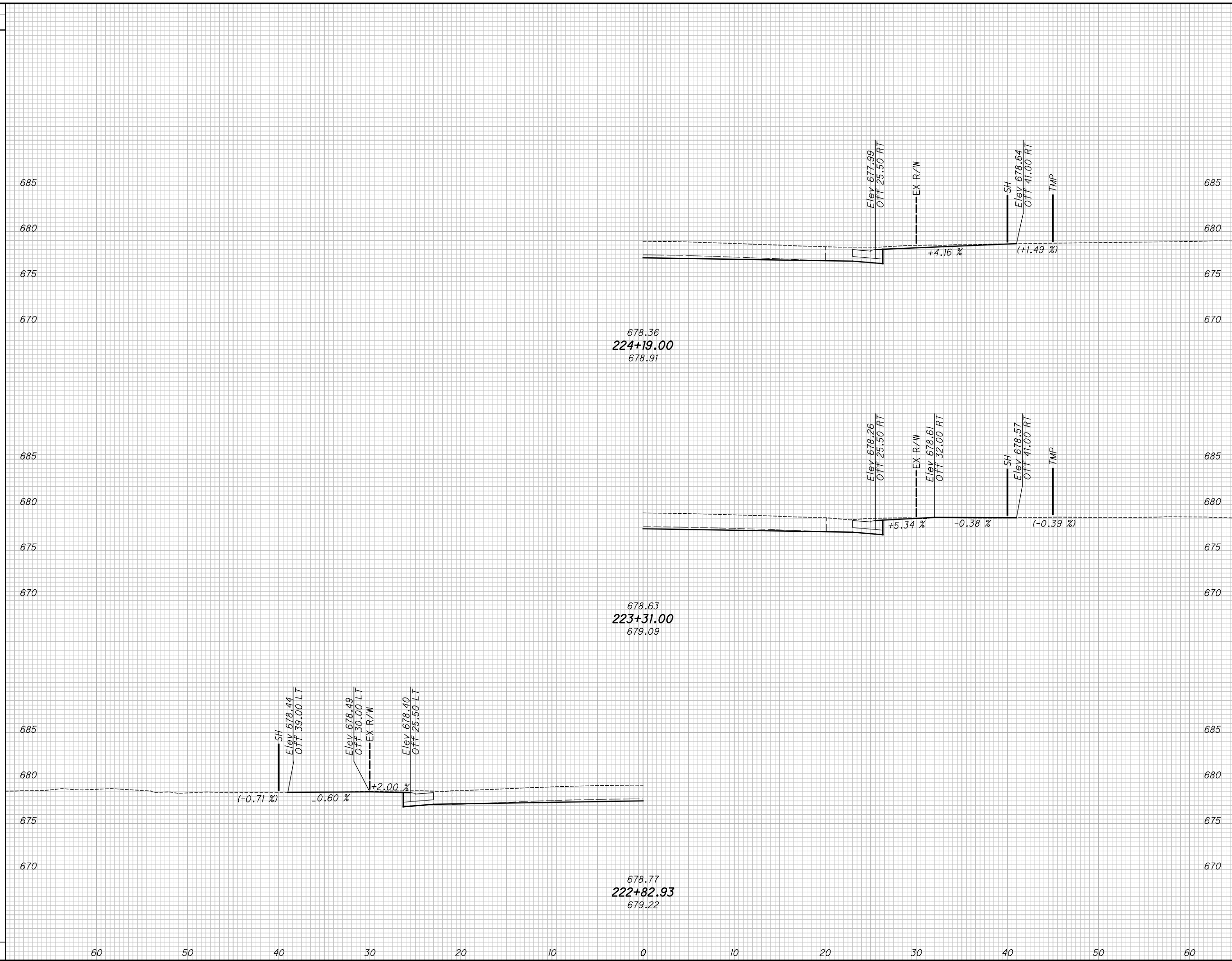
END AREA		VOLUME	
CUT	FILL	CUT	FILL

**DRIVEWAY PROFILES U.S. 20**  
**STA. 217+86.38 TO STA. 221+55.00**

**LAK-US-20-19.59**  
**PART 1**

787  
1253

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SEEDING		END AREA		VOLUME		CALCULATED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JMP	WDB

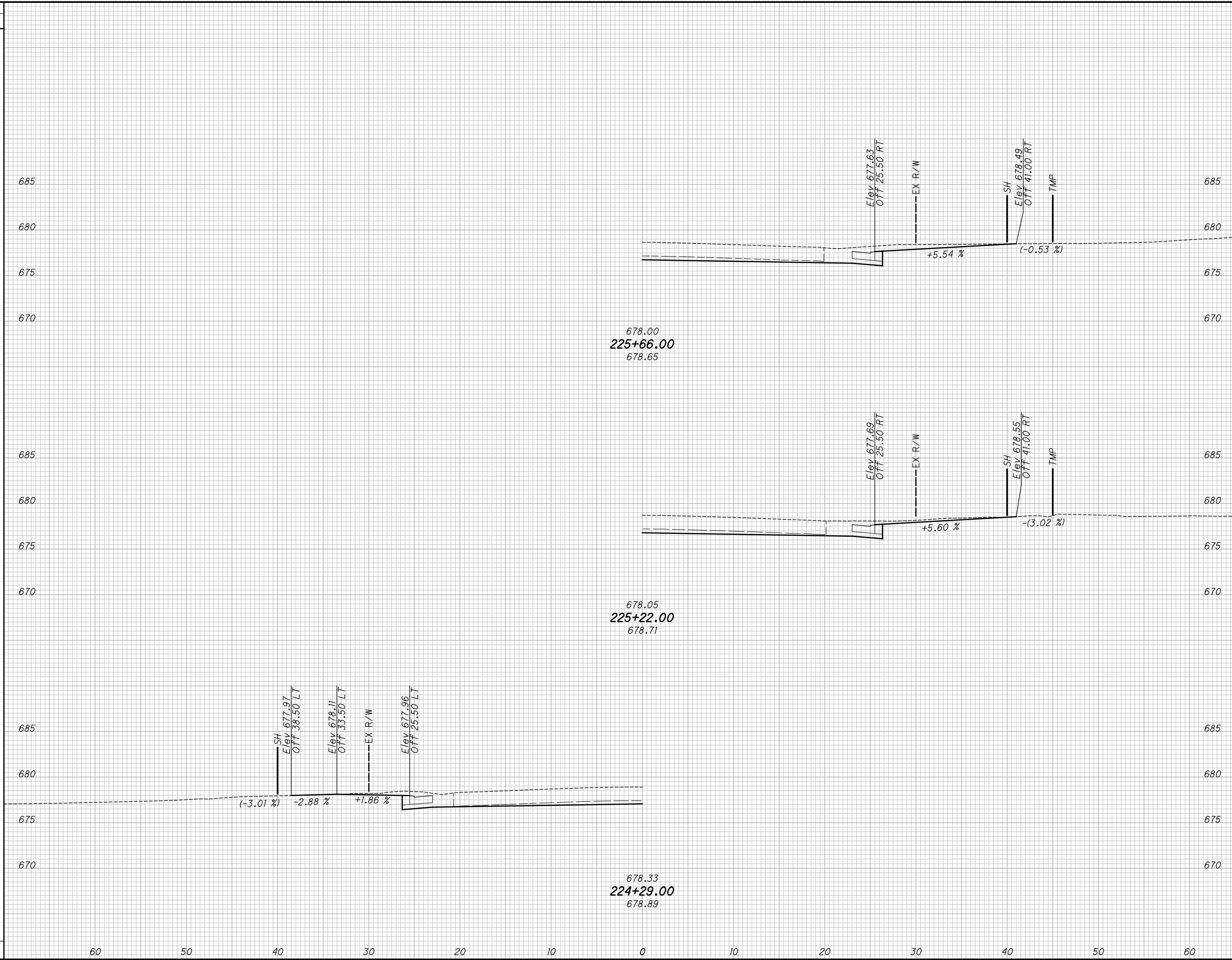
**LAK-US-20-19.59  
PART 1**

**DRIVEWAY PROFILES U.S. 20  
STA. 222+82.93 TO STA. 224+19.00**

788  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20**  
**STA. 224+29.00 TO STA. 225+66.00**

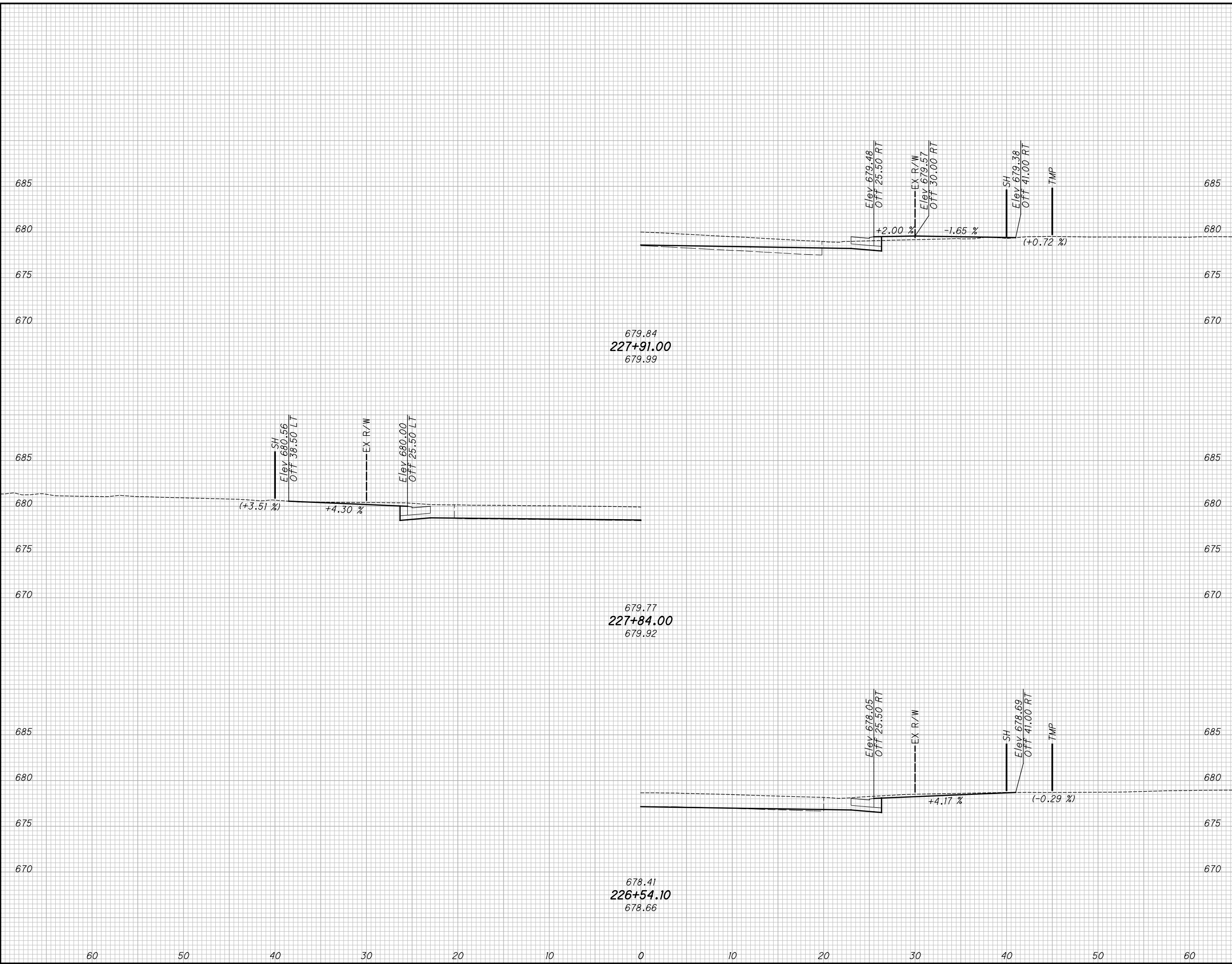
**LAK-US-20-19.59**  
**PART 1**

789  
1253



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SEEDING  
END SO.  
WIDTH YDS.



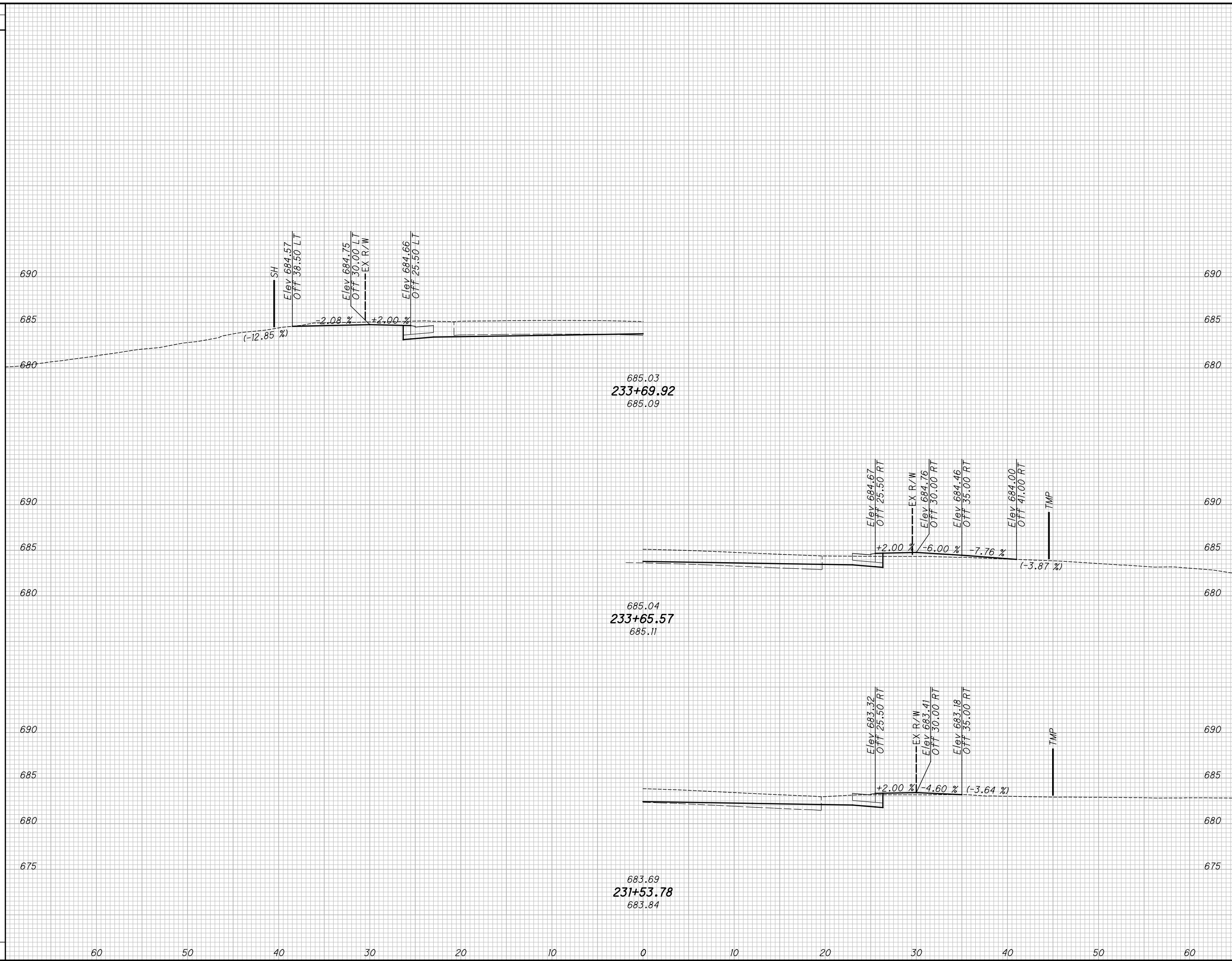
END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**LAK-US-20-19.59**  
**PART 1**  
**DRIVEWAY PROFILES U.S. 20**  
**STA. 226+54.10 TO STA. 227+91.00**

790  
1253

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SEEDING	
END WIDTH	SO. YDS.

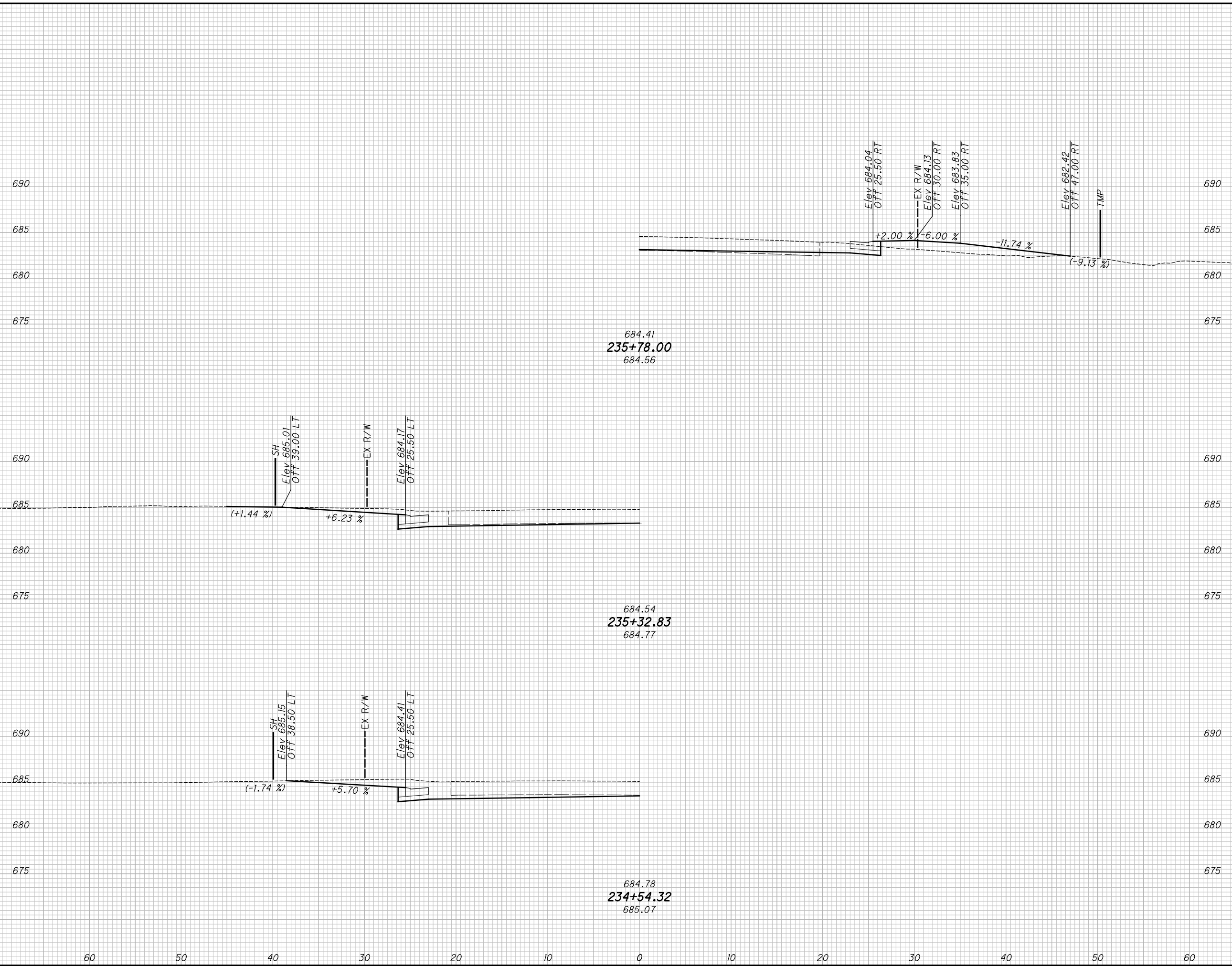


END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

LAK-US-20-19.59  
PART 1  
DRIVEWAY PROFILES U.S. 20  
STA. 231+53.78 TO STA. 233+69.92

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SEEDING	
END WIDTH	SO. YDS.



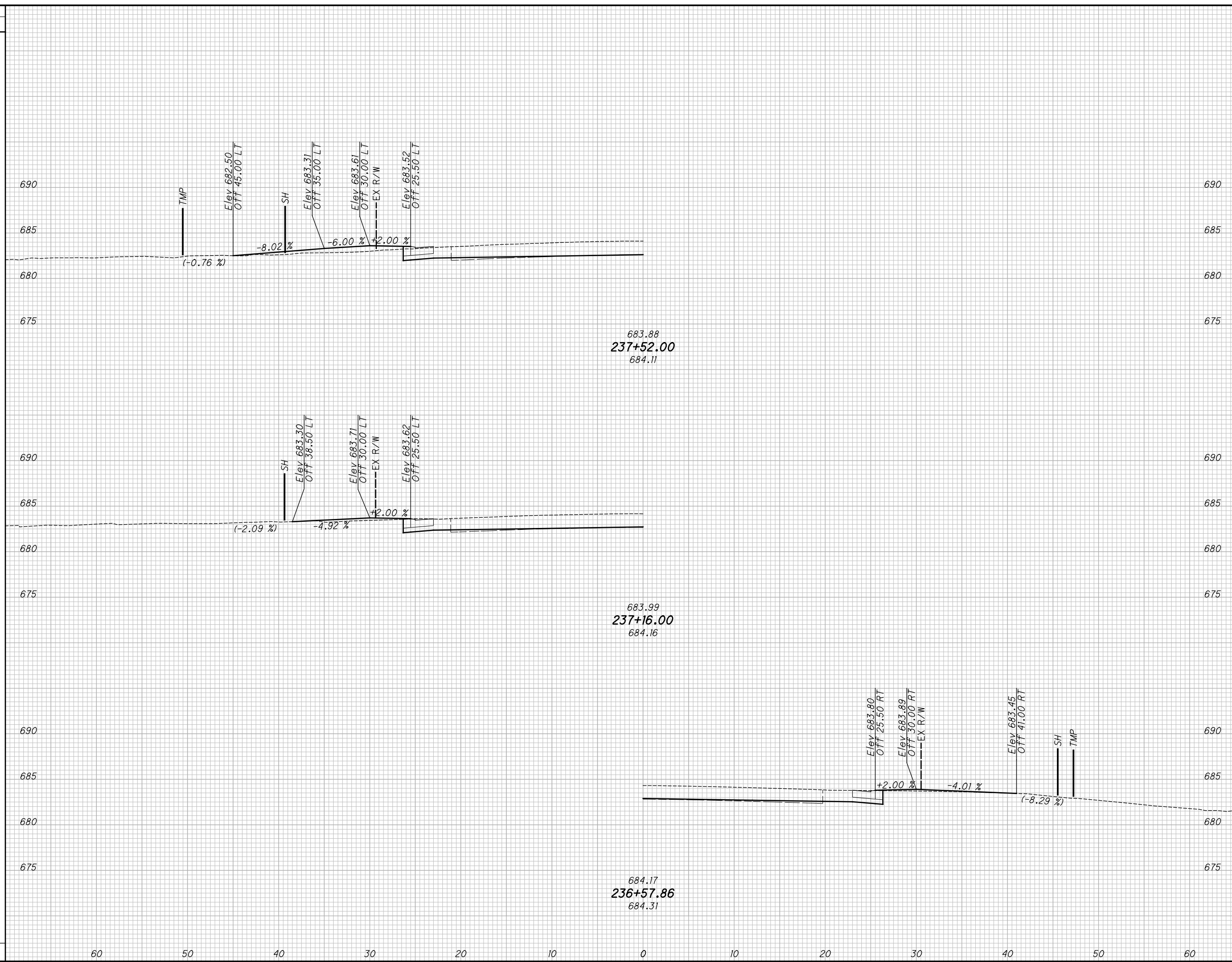
END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20**  
**STA. 234+54.32 TO STA. 235+78.00**

**LAK-US-20-19.59**  
**PART 1**

792  
1253

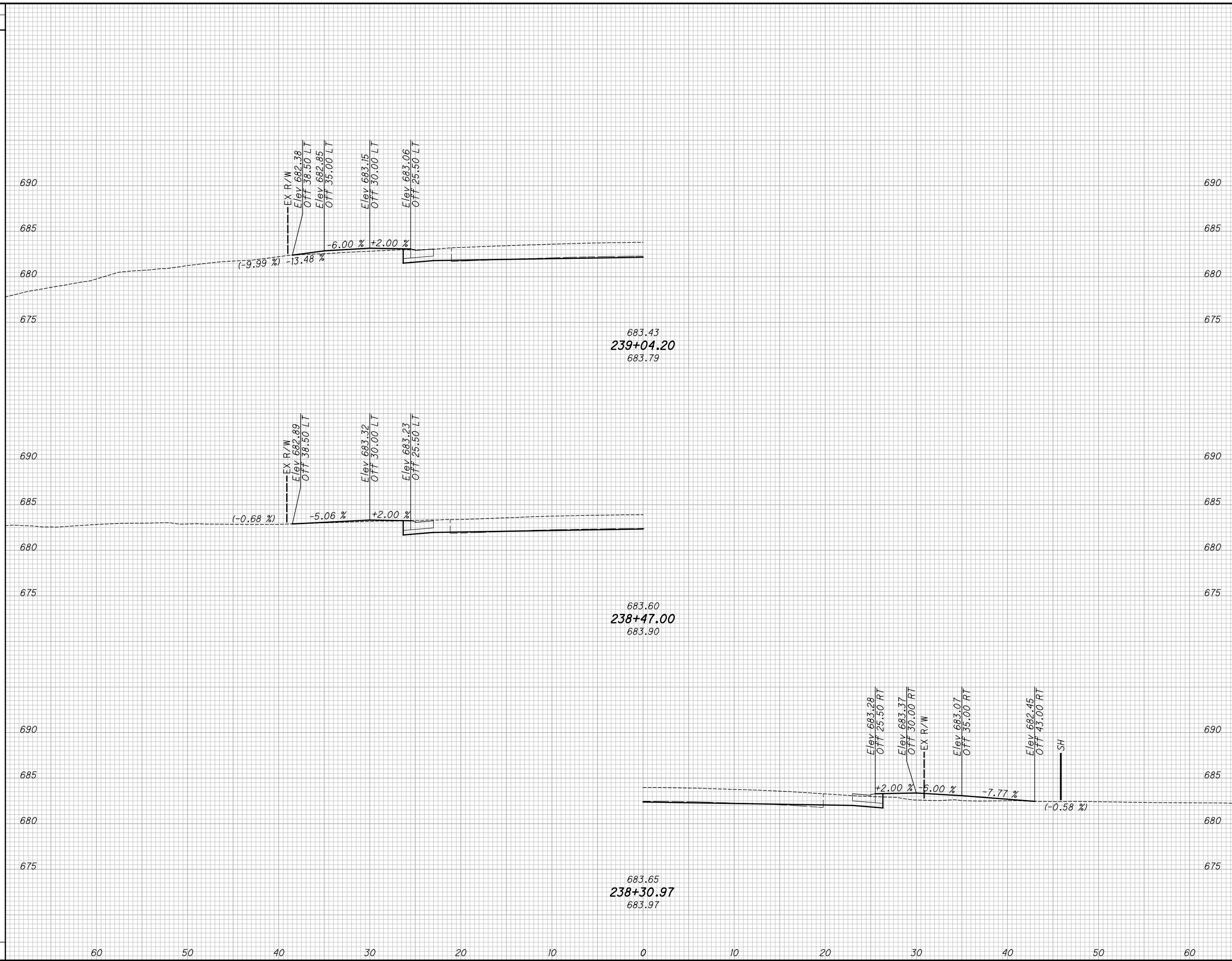
H:\2018\180743\000T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_32 7/15/2022 3:23:40 PM Troyer



SEEDING		END AREA		VOLUME		CALCULATED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JMP	WDB
<b>LAK-US-20-19.59</b> <b>DRIVEWAY PROFILES U.S. 20</b> <b>PART 1</b> <b>STA. 236+57.86 TO STA. 237+52.00</b>							
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">793</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1253</span>							

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SEEDING	
END WIDTH	SO. YDS.



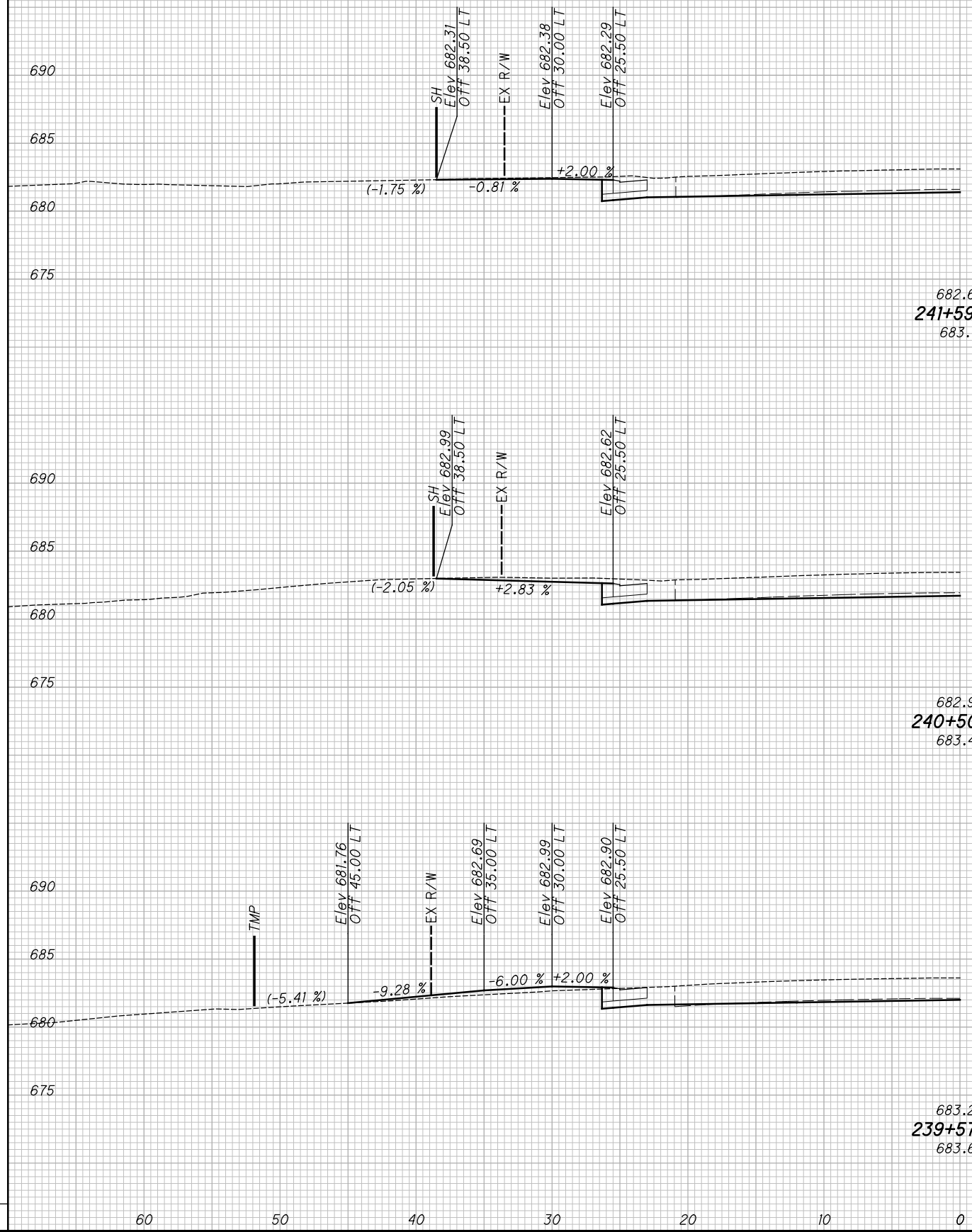
END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20**  
**STA. 238+30.97 TO STA. 239+04.20**

**LAK-US-20-19.59**  
**PART 1**

794  
1253

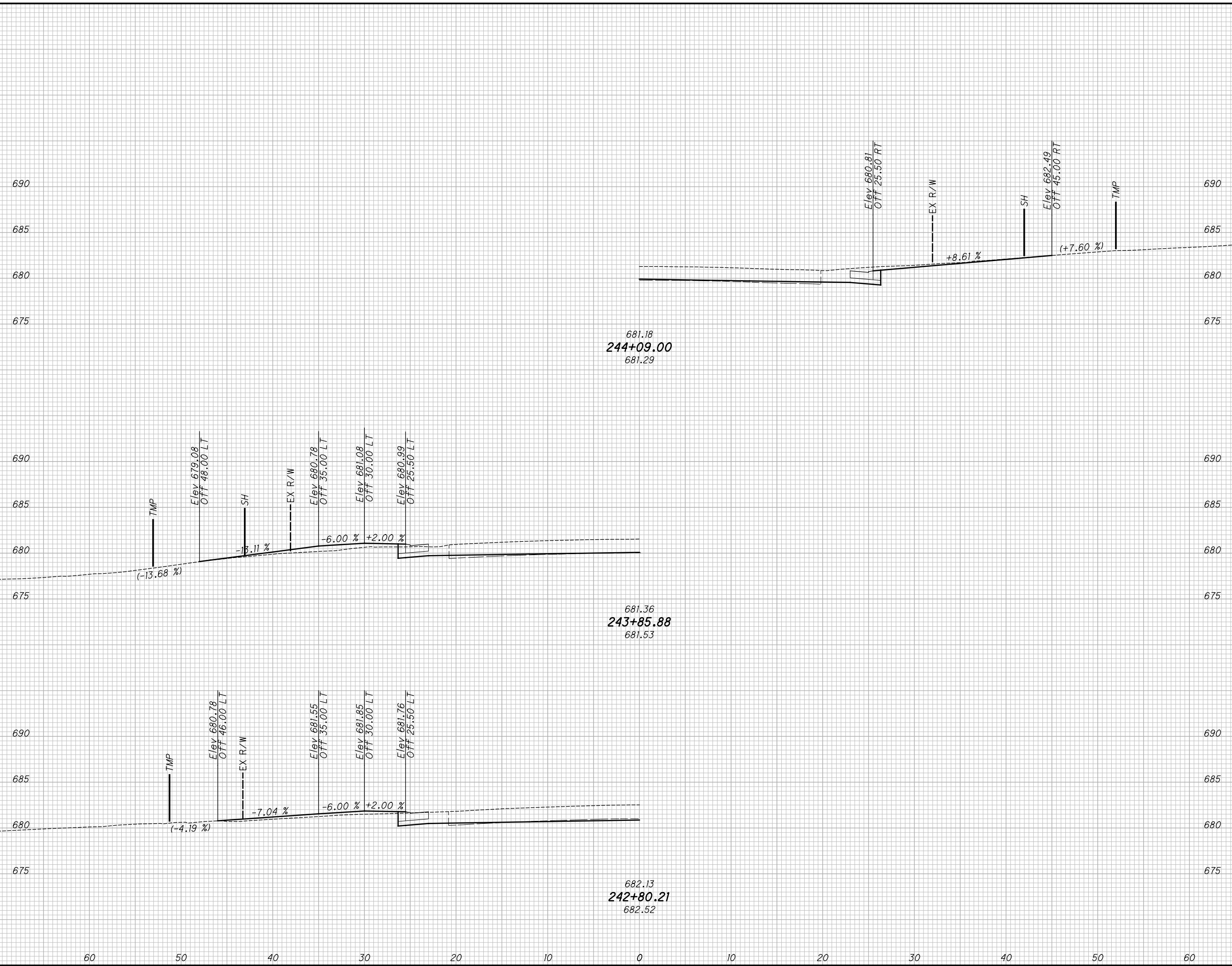
SEEDING	
END WIDTH	SO. YDS.



END AREA	VOLUME	CALCULATED	JMP		CHECKED	
			CUT	FILL	WDB	WDB
<b>LAK-US-20-19.59</b>						
<b>PART 1</b>						
DRIVEWAY PROFILES U.S. 20						
STA. 239+57.00 TO STA. 241+59.70						
795						
1253						

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SEEDING	
END WIDTH	SO. YDS.

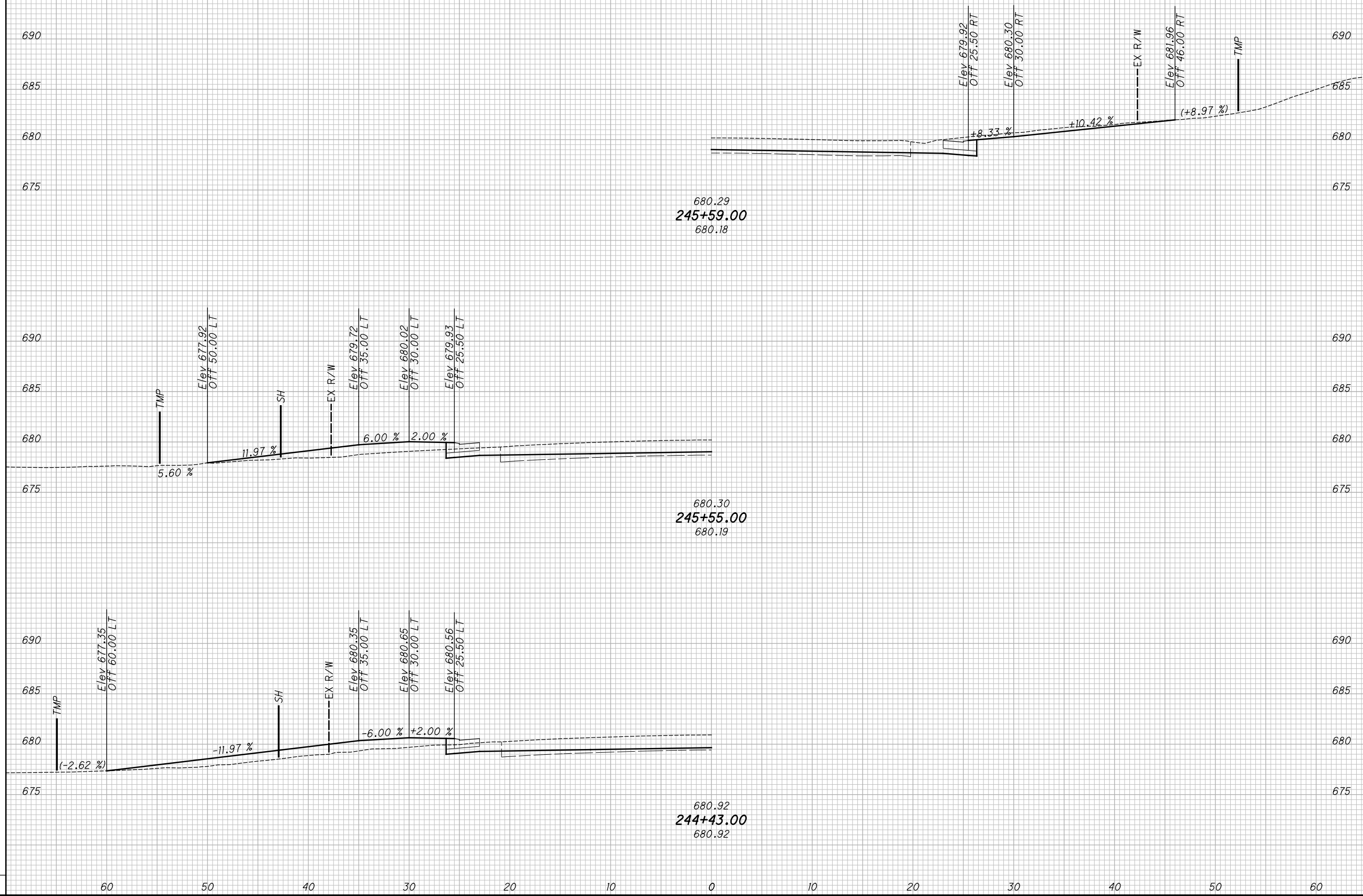


END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMP  
 CHECKED WDB  
**LAK-US-20-19.59**  
**PART 1**  
**DRIVEWAY PROFILES U.S. 20**  
**STA. 242+80.21 TO STA. 244+09.00**

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SEEDING  
END SO.  
WIDTH YDS.



END AREA  
CUT FILL

VOLUME  
CUT FILL

CALCULATED  
JMP

CHECKED  
WDB

**DRIVEWAY PROFILES U.S. 20  
STA. 244+43.00 TO STA. 245+59.00**

**LAK-US-20-19.59  
PART 1**

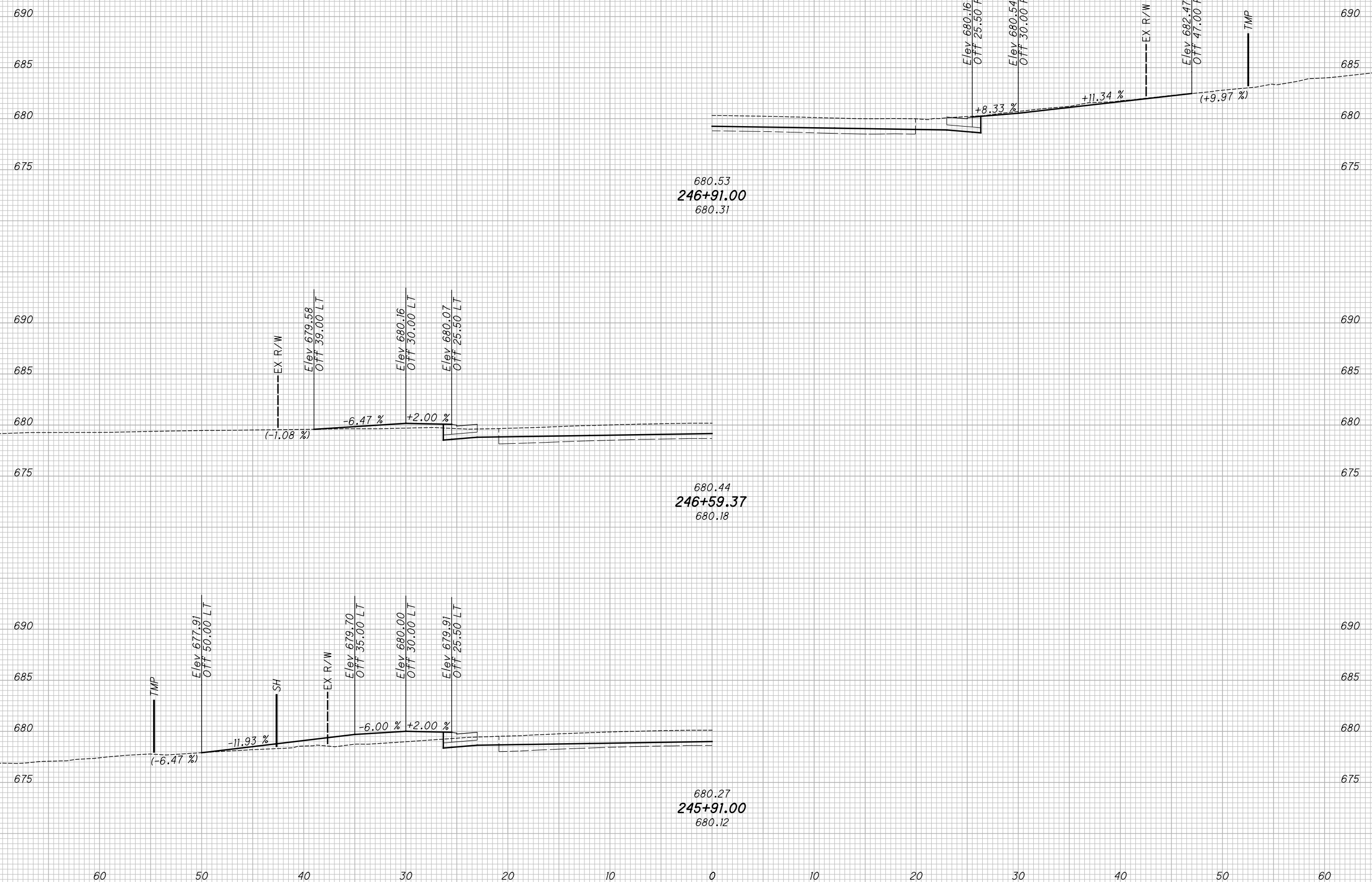
797  
1253



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SEEDING  
END SO.  
WIDTH YDS.

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB

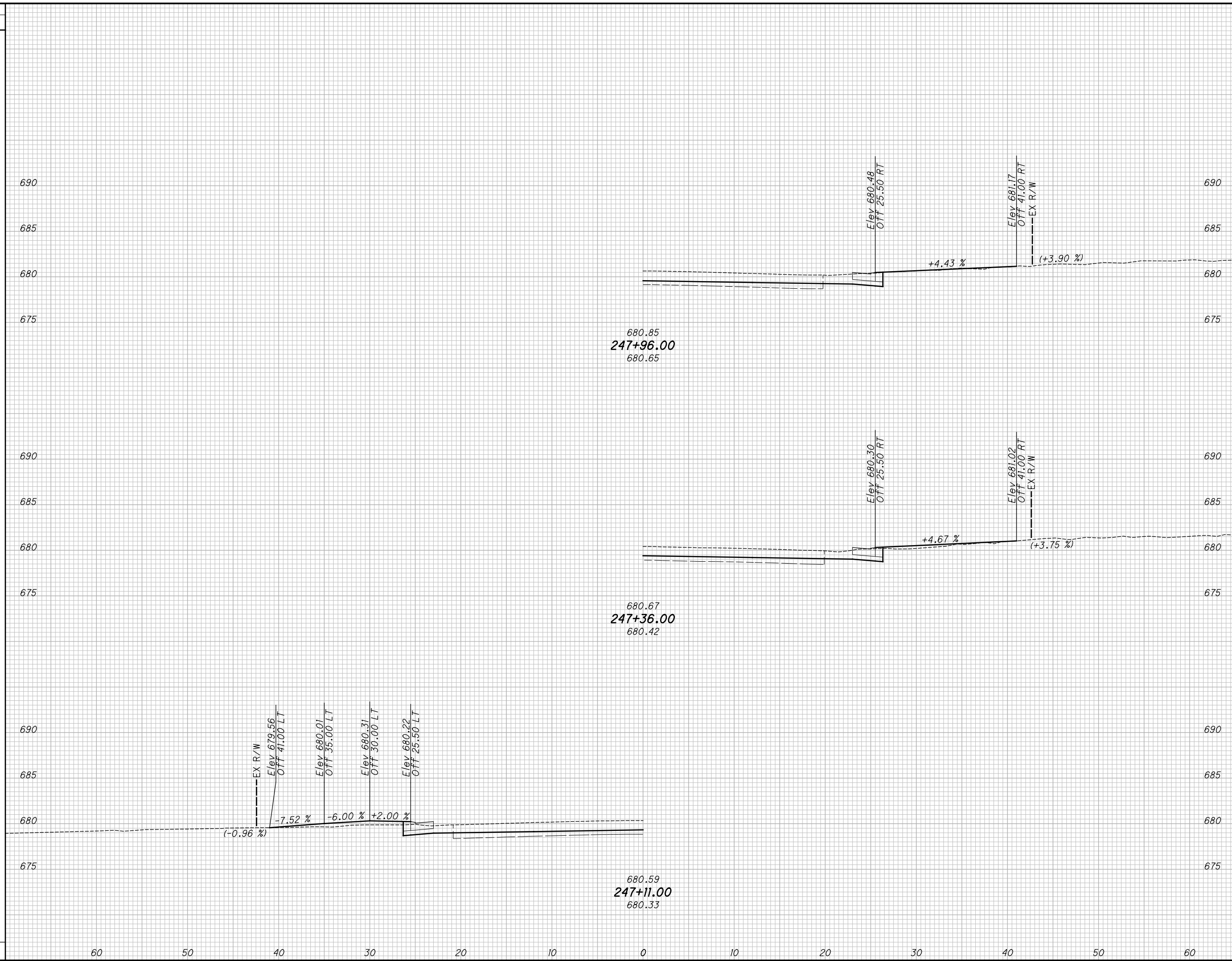


**DRIVEWAY PROFILES U.S. 20**  
**STA. 245+91.00 TO STA. 246+91.00**

**LAK-US-20-19.59**  
**PART 1**

798  
1253

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SEEDING		END AREA		VOLUME		CALCULATED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JMP	WDB

**DRIVEWAY PROFILES U.S. 20**  
**STA. 247+11.00 TO STA. 247+96.00**

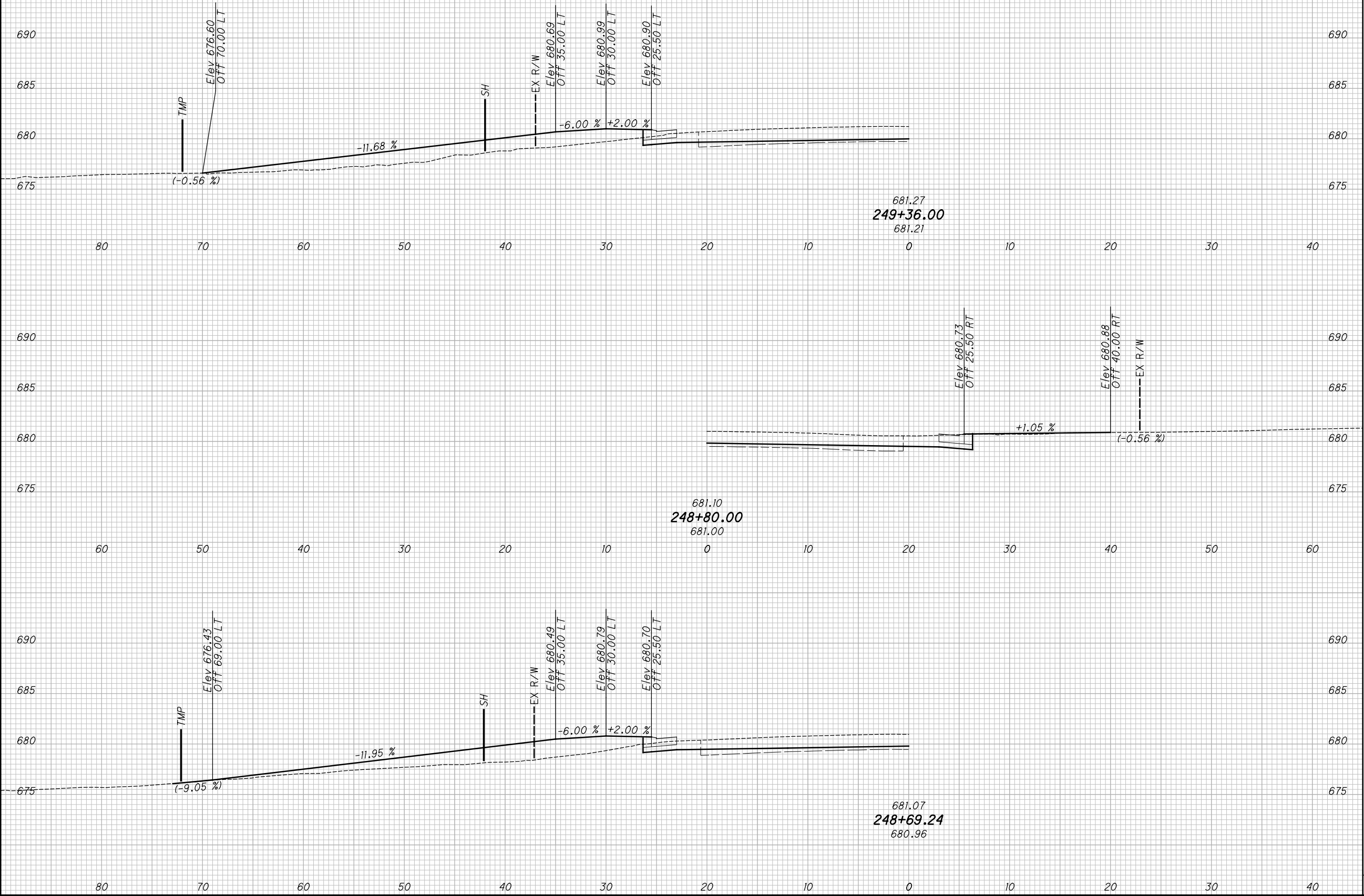
**LAK-US-20-19.59**  
**PART 1**

799  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



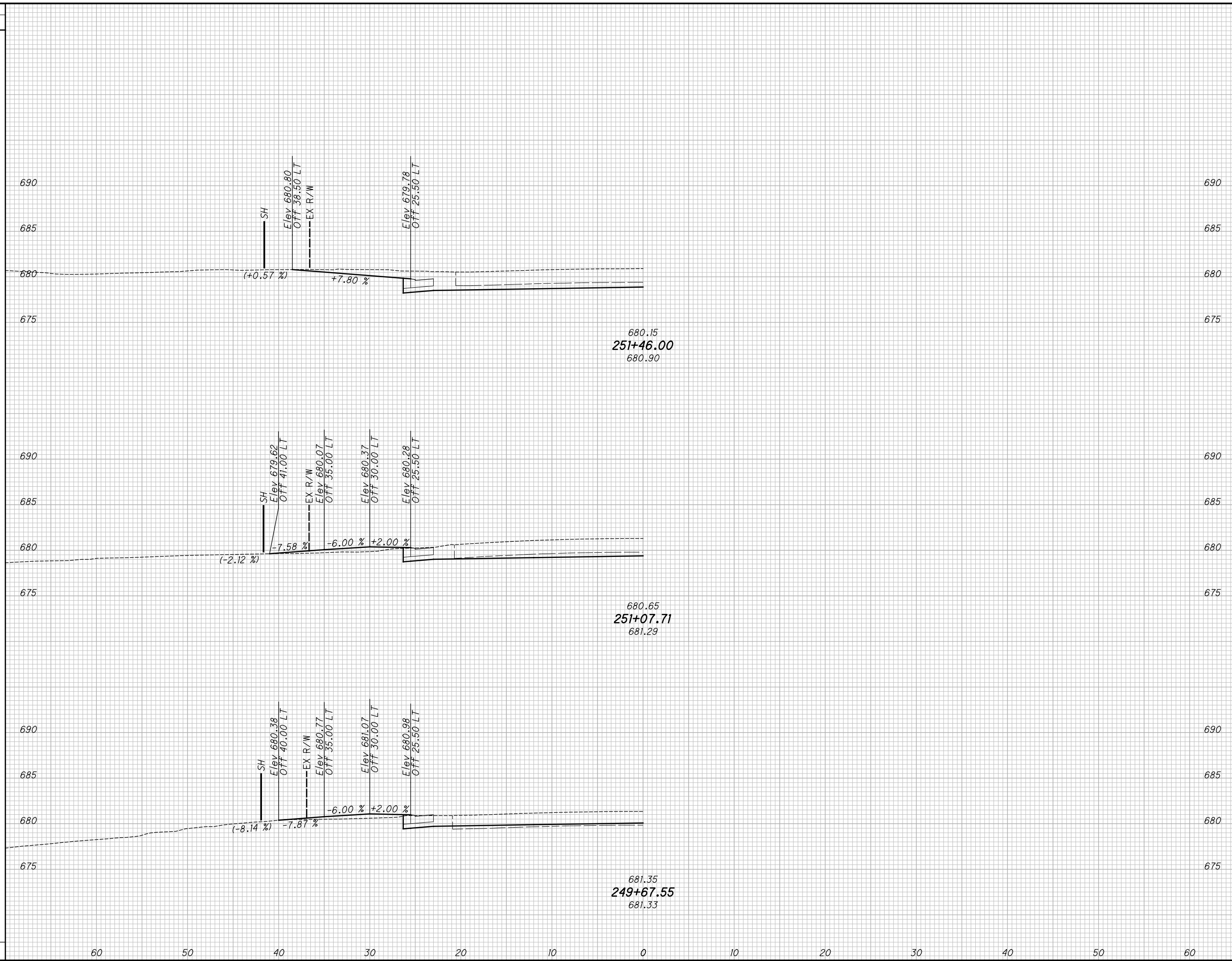
DRIVEWAY PROFILES U.S. 20  
STA. 248+69.24 TO STA. 249+36.00

LAK-US-20-19.59  
PART 1

800  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA	VOLUME	CALCULATED JUMP	CHECKED WDB

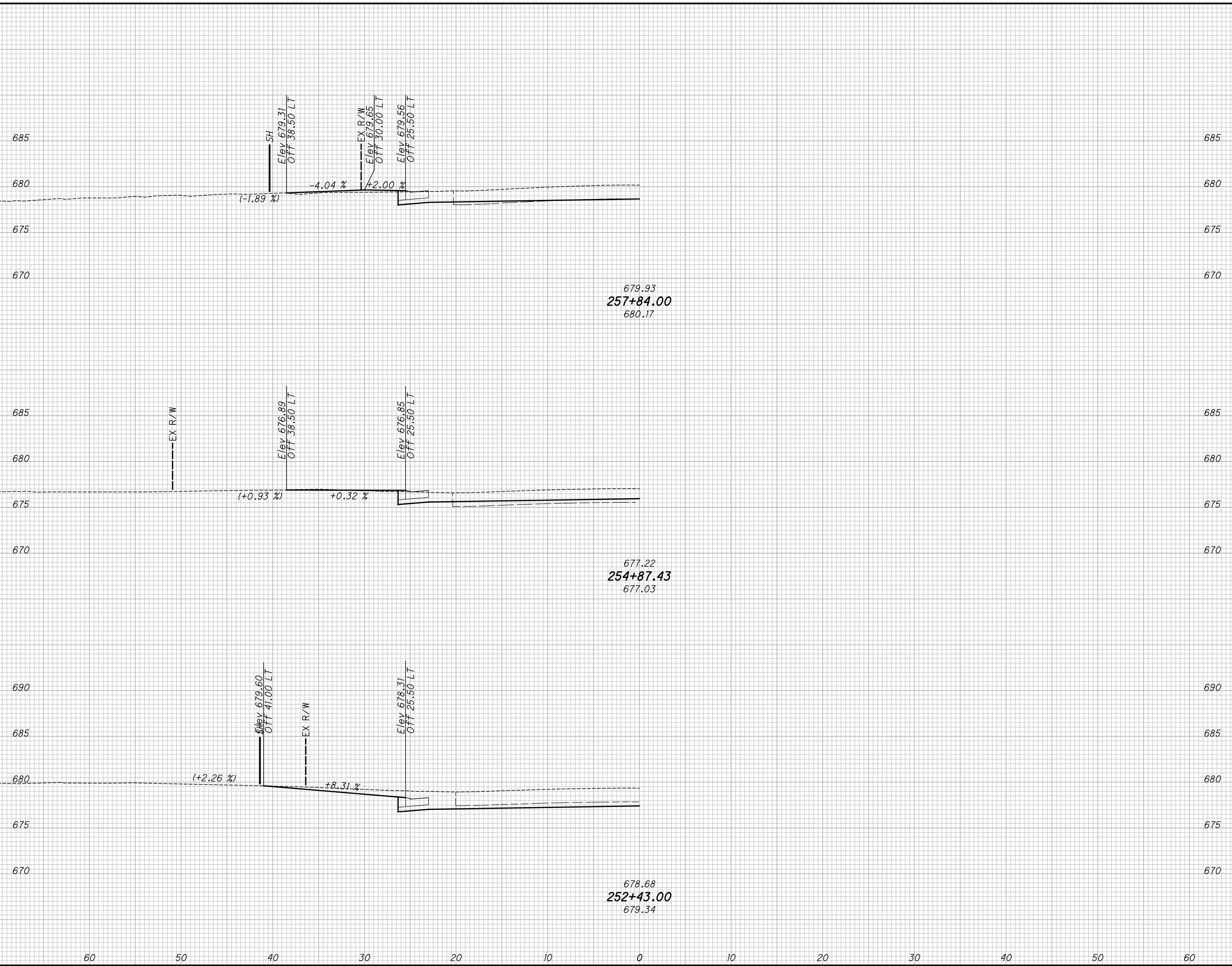
**DRIVEWAY PROFILES U.S. 20**  
**STA. 249+67.55 TO STA. 251+46.00**

**LAK-US-20-19.59**  
**PART 1**

801  
1253

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SEEDING	
END WIDTH	SO. YDS.



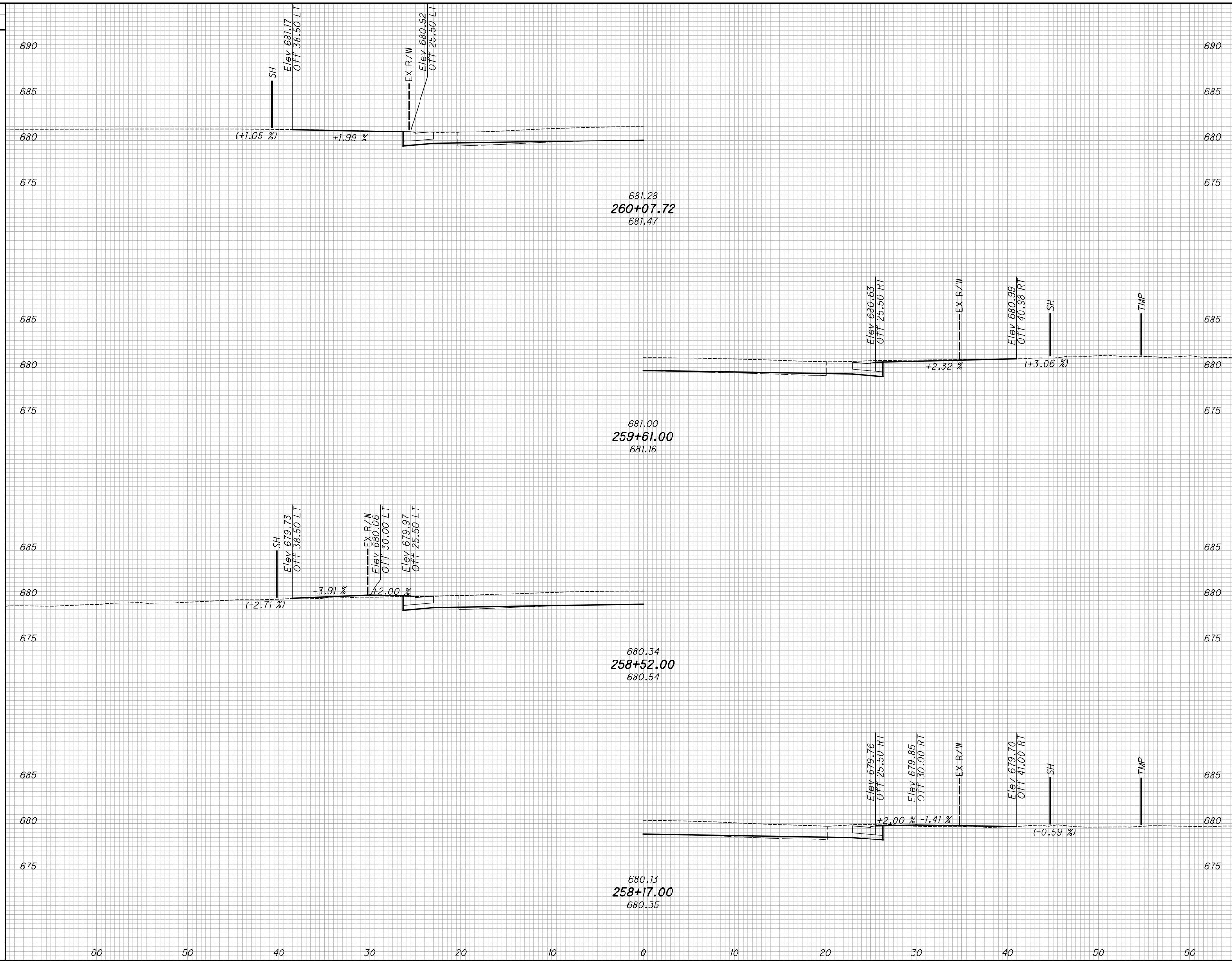
END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20**  
**STA. 252+43.00 TO STA. 257+84.00**

**LAK-US-20-19.59**  
**PART 1**

802  
1253

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SEEDING		END AREA		VOLUME		CALCULATED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JMP	WDB

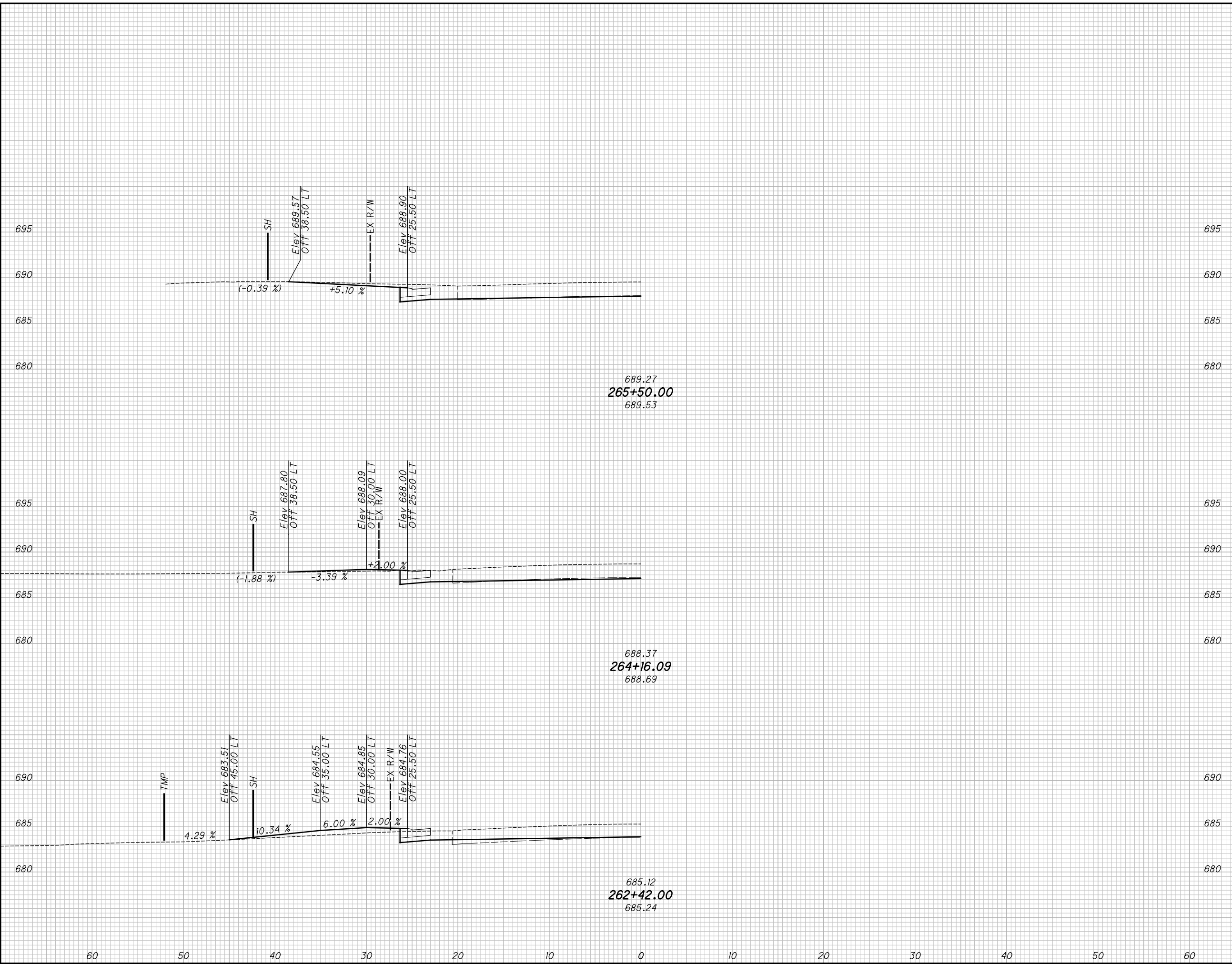
**DRIVEWAY PROFILES U.S. 20**  
**STA. 258+17.00 TO STA. 260+07.72**

**LAK-US-20-19.59**  
**PART 1**

803  
1253

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_43 7/15/2022 3:24:09 PM Troyer

SEEDING  
END SO.  
WIDTH YDS.

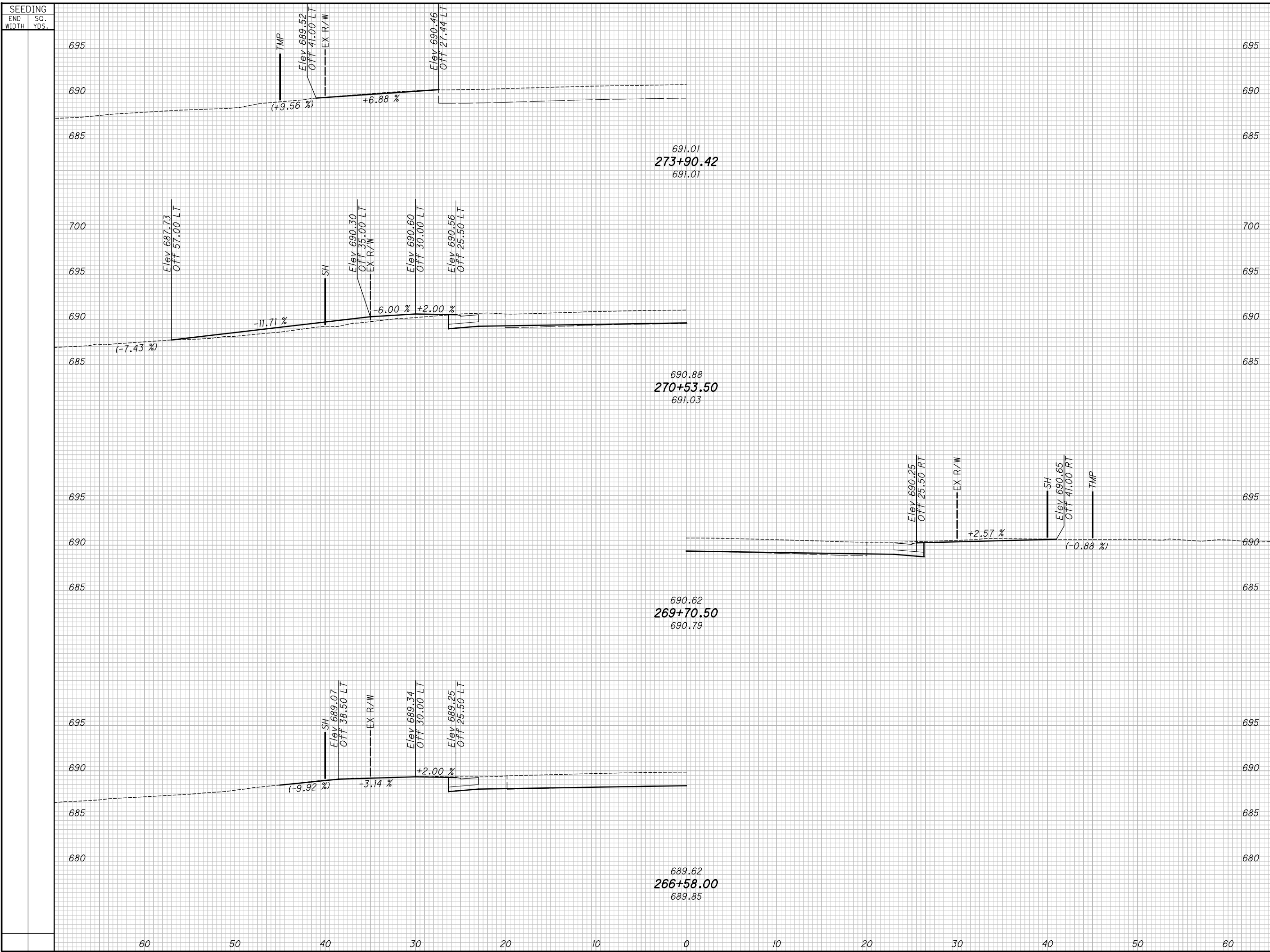


END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**LAK-US-20-19.59**  
**PART 1**  
**DRIVEWAY PROFILES U.S. 20**  
**STA. 262+42.00 TO STA. 265+50.00**

804  
1253

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SEEDING		END AREA		VOLUME		CALCULATED		
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JMP	CHECKED	WDB

**DRIVEWAY PROFILES U.S. 20**  
**STA. 266+58.00 TO STA. 270+53.50**

**LAK-US-20-19.59**  
**PART 1**

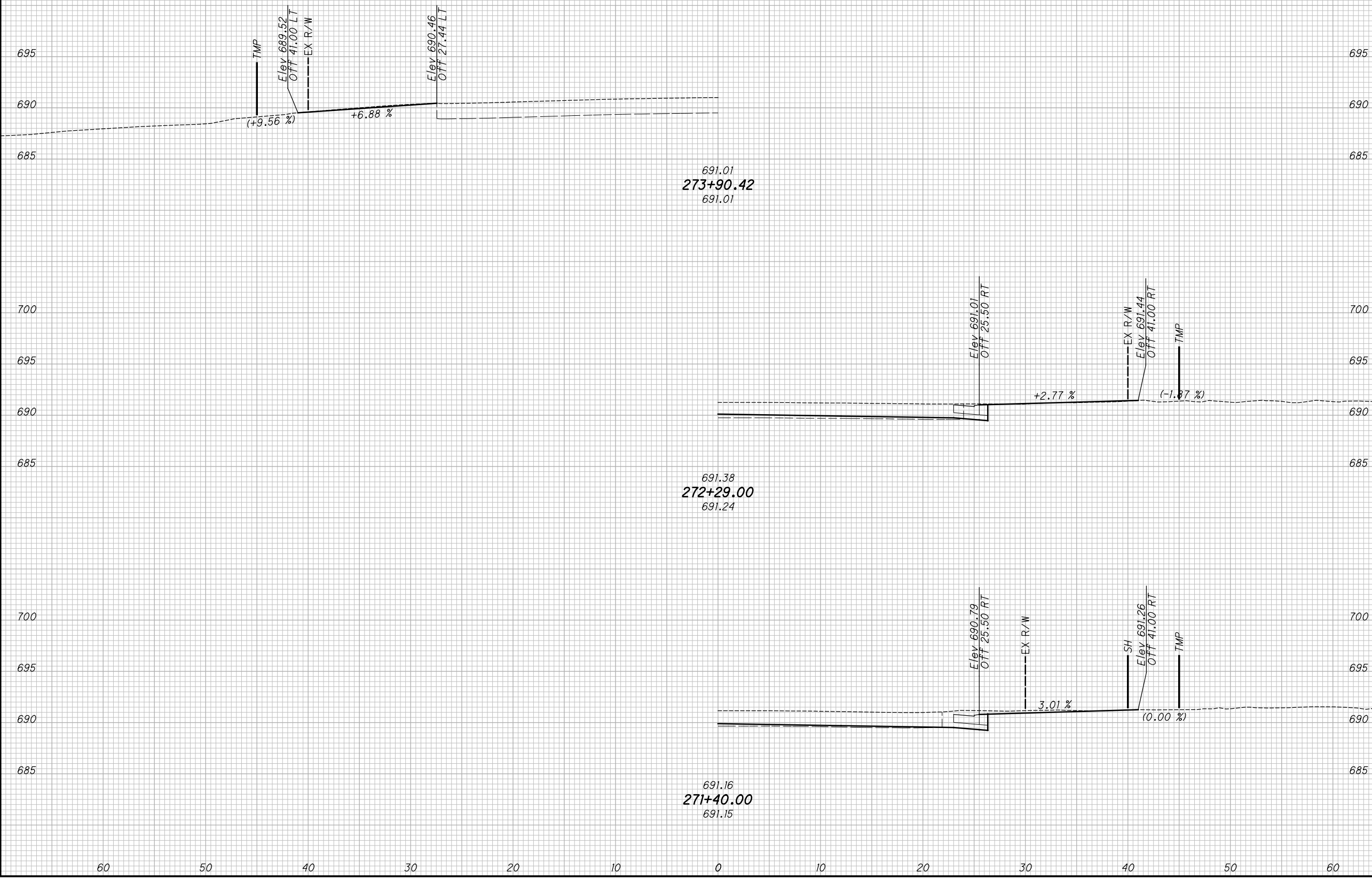




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SEEDING  
END SO.  
WIDTH YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	JMP	WDB



**DRIVEWAY PROFILES U.S. 20**  
**STA. 271+40.00 TO STA. 273+90.42**

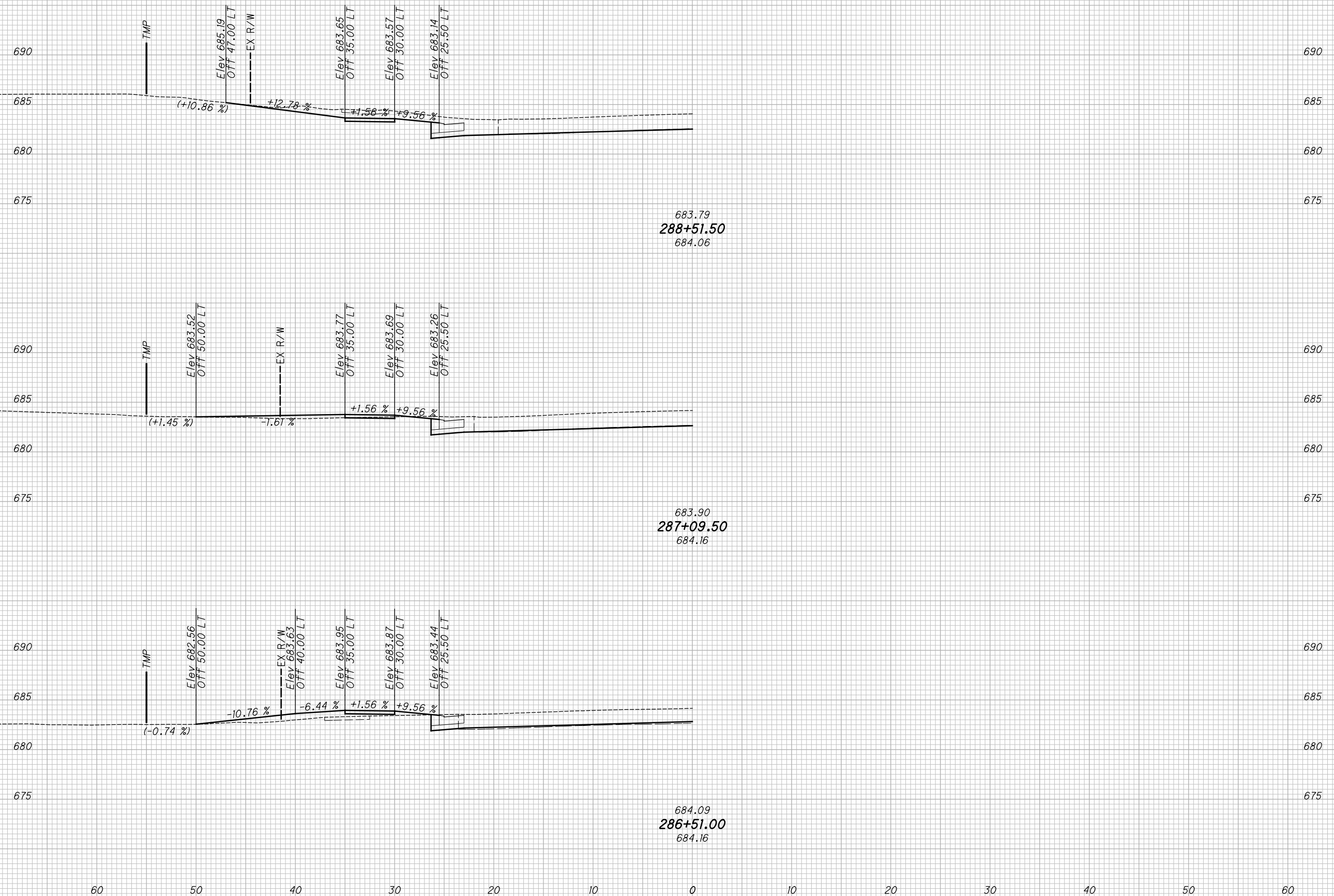
**LAK-US-20-19.59**  
**PART 1**

806  
1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_46 7/15/2022 3:24:13 PM troyer

SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



LAK-US-20-19.59  
PART 1

DRIVEWAY PROFILES U.S. 20  
STA. 286+51.00 TO STA. 288+51.50

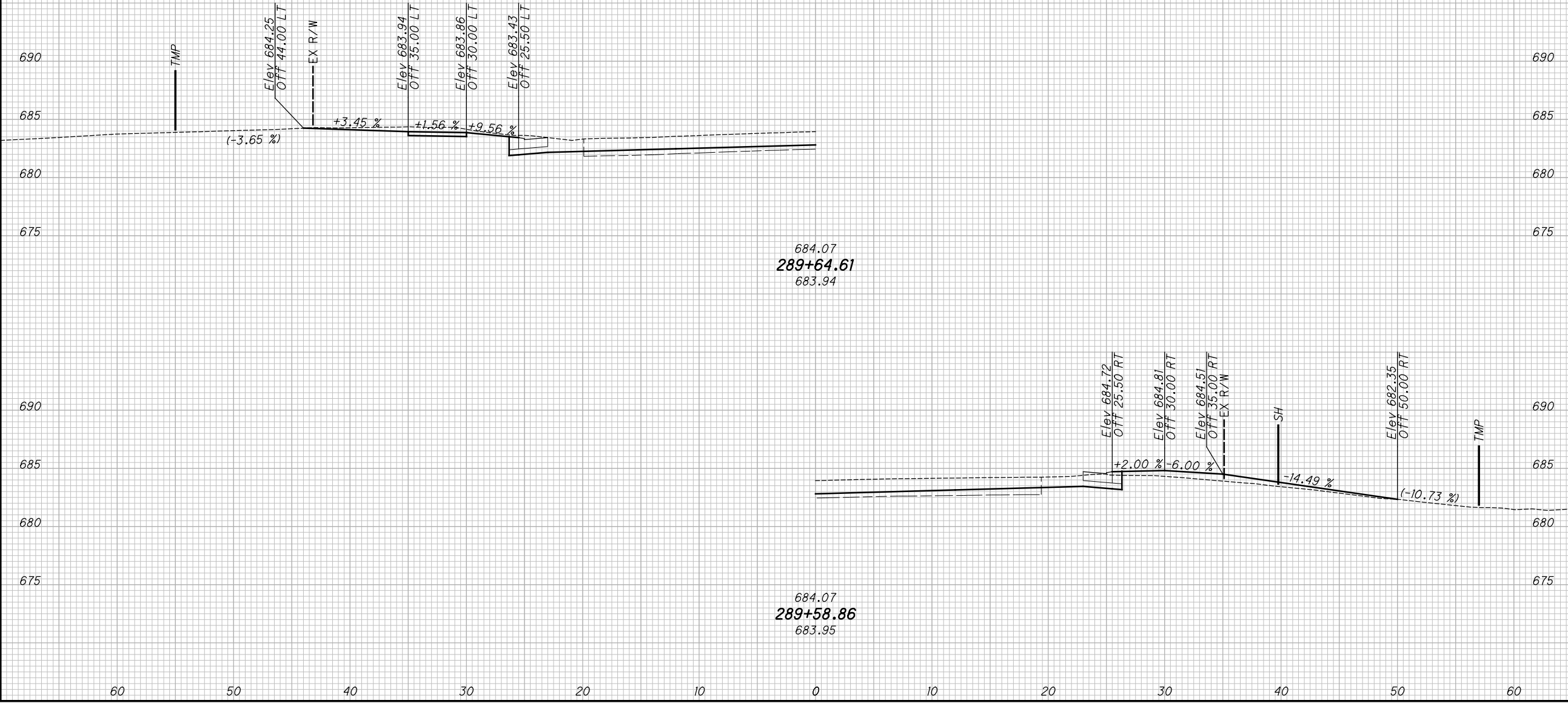
807  
1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_47 7/15/2022 3:24:14 PM troyer

SEEDING  
END SO.  
WIDTH YDS.

END AREA  
CUT FILL  
VOLUME  
CUT FILL

CALCULATED  
JMP  
CHECKED  
WDB



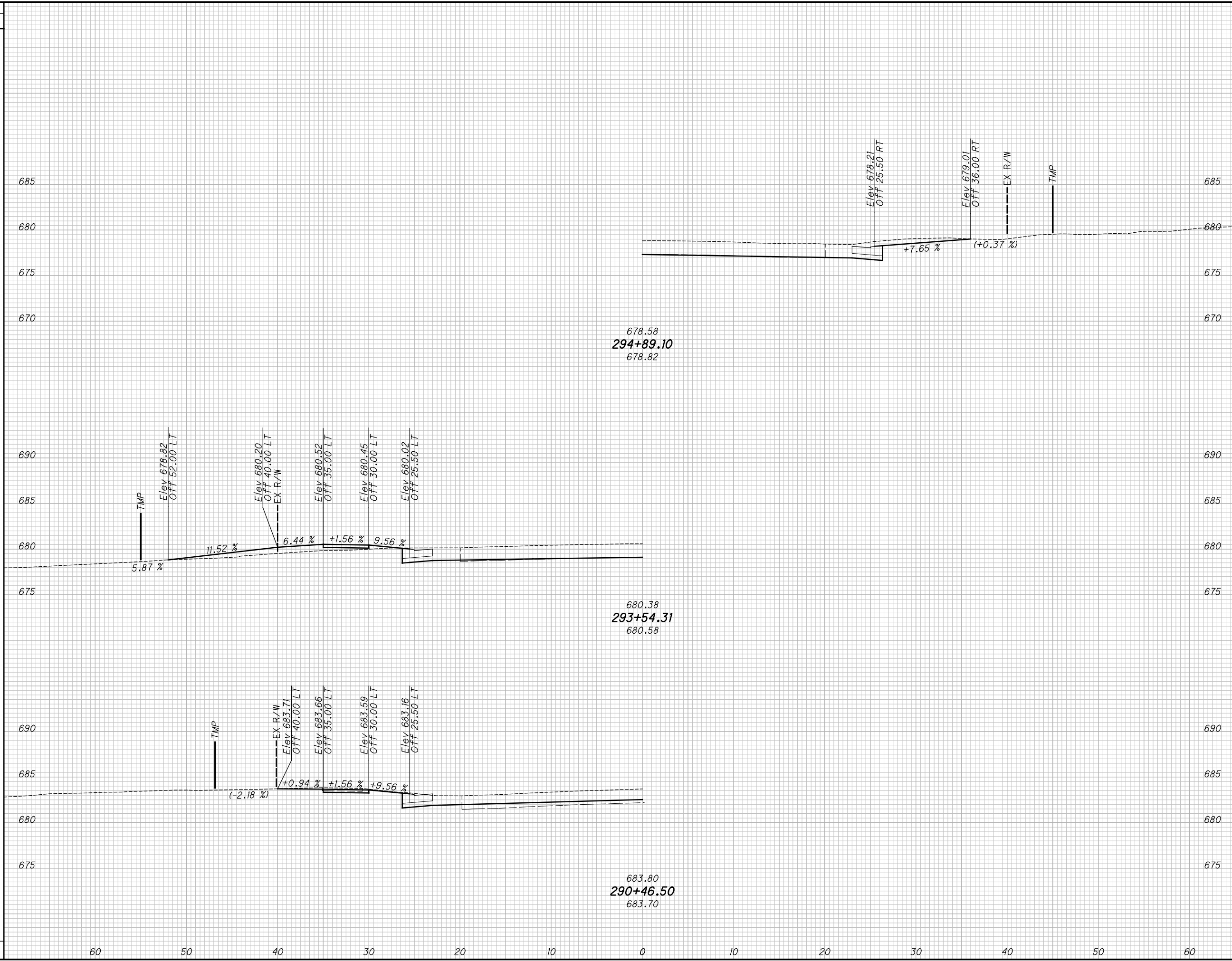
**DRIVEWAY PROFILES U.S. 20**  
**STA. 289+58.86 TO STA. 289+64.61**

**LAK-US-20-19.59**  
**PART 1**

808  
1253

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SEEDING  
END SO.  
WIDTH YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

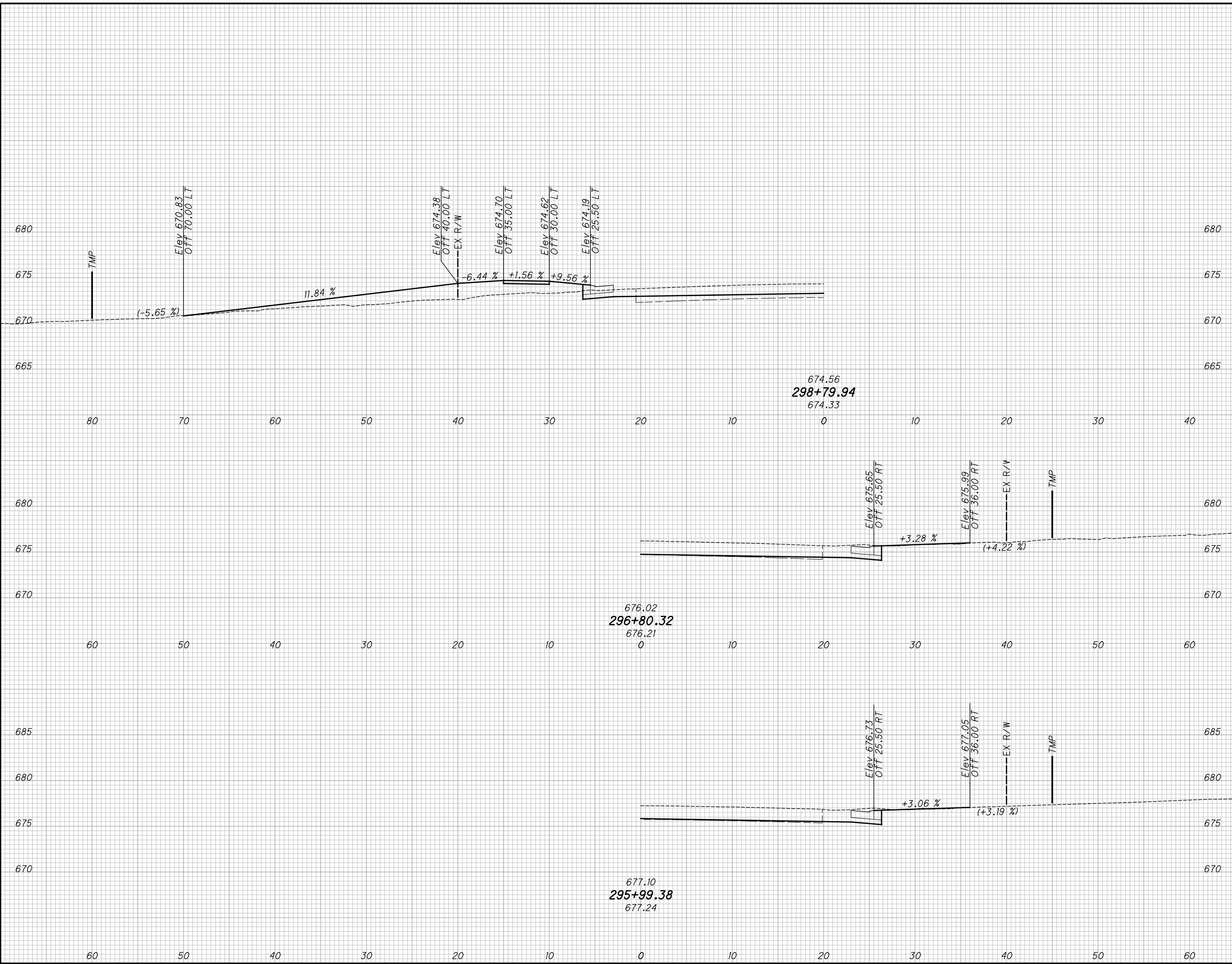
**LAK-US-20-19.59  
PART 1**

**DRIVEWAY PROFILES U.S. 20  
STA. 290+46.50 TO STA. 294+89.10**

809  
1253

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SEEDING  
END SO.  
WIDTH YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**LAK-US-20-19.59  
PART 1**

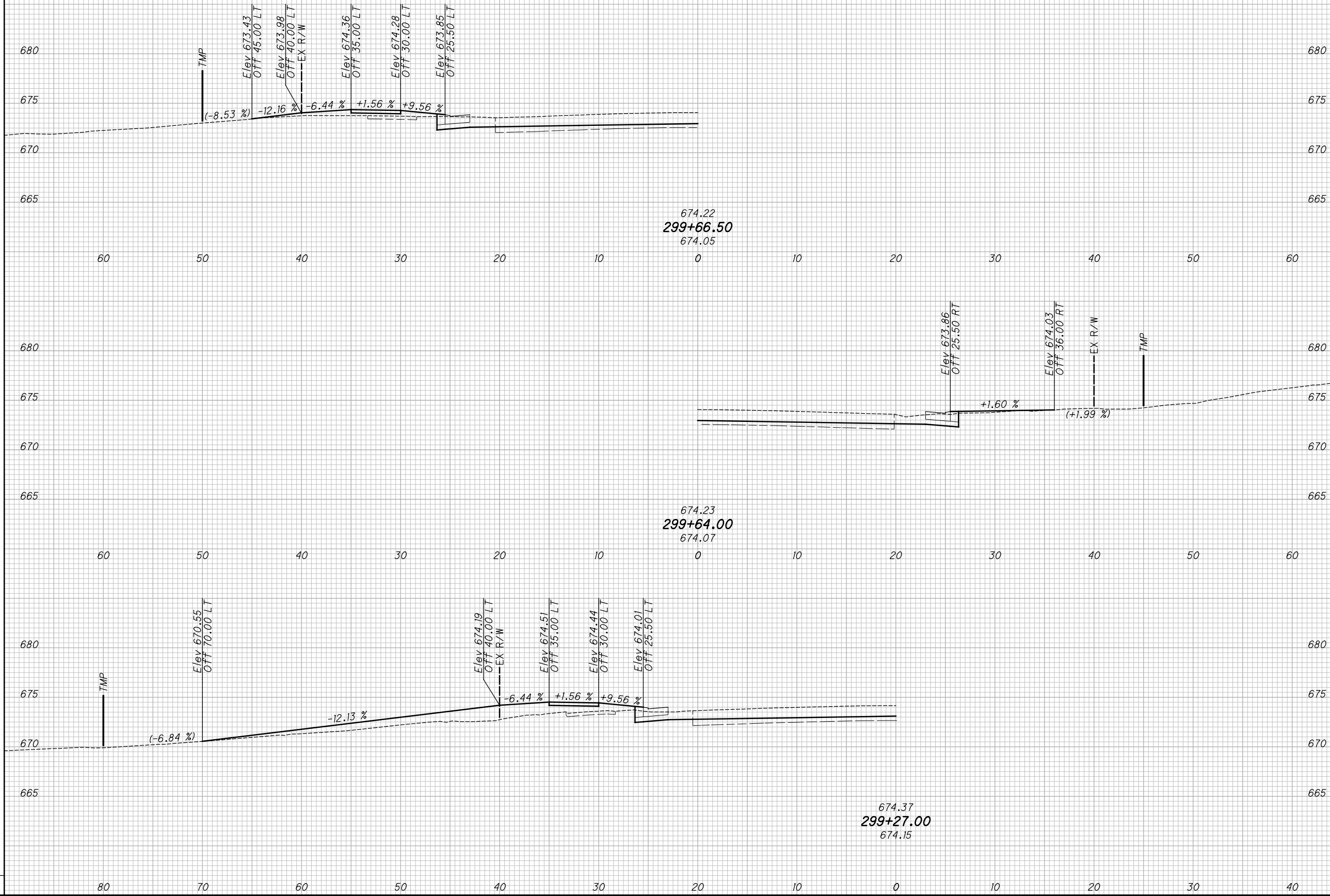
**DRIVEWAY PROFILES U.S. 20  
STA. 295+99.38 TO STA. 298+79.94**

810  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB

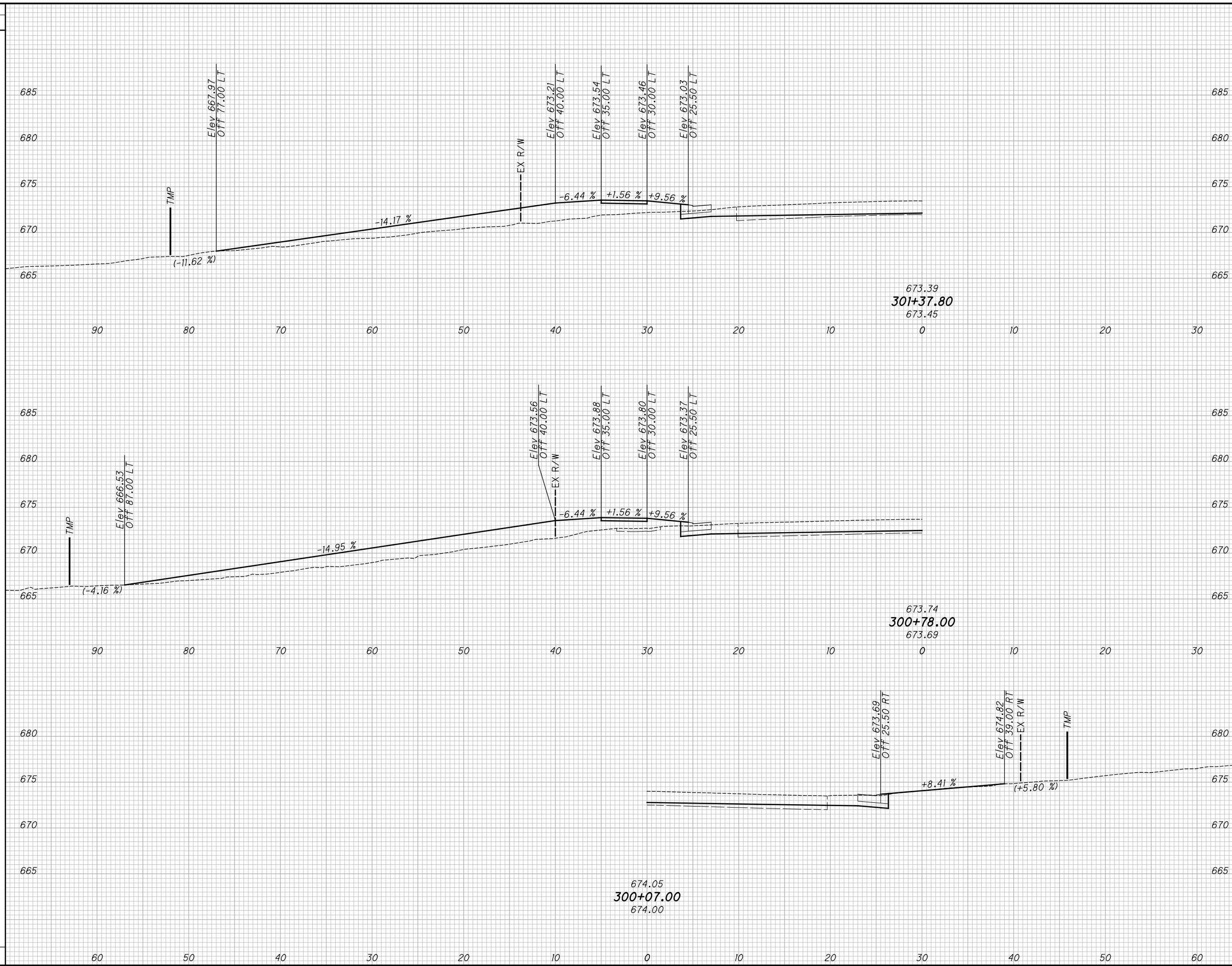


DRIVEWAY PROFILES U.S. 20  
 STA. 299+27.45 TO STA. 299+66.50

LAK-US-20-19.59  
 PART 1

811  
 1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_51 7/15/2022 3:24:19 PM Troyer



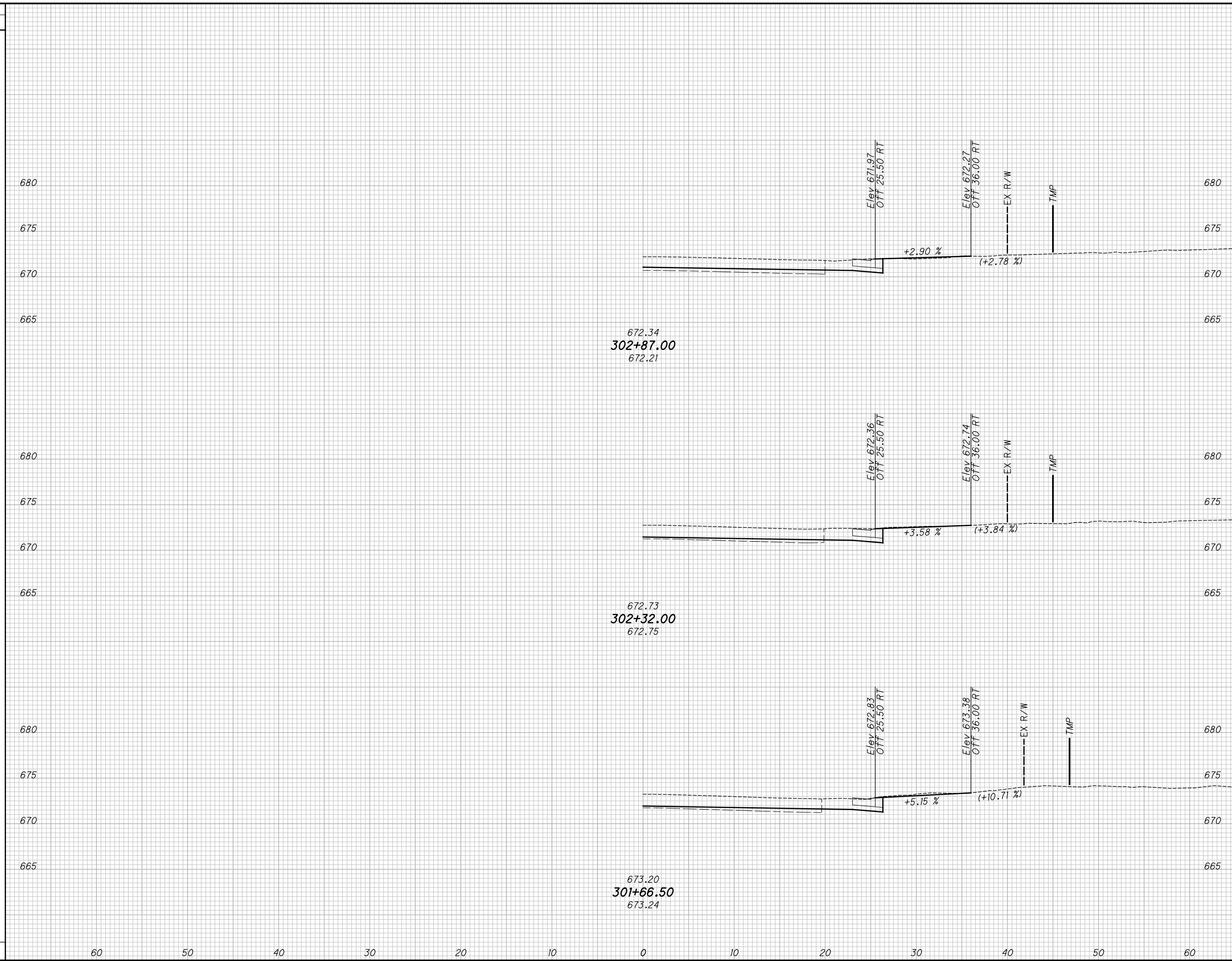
SEEDING		END AREA		VOLUME		CALCULATED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JMP	WDB

**DRIVEWAY PROFILES U.S. 20**  
**STA. 300+07.00 TO STA. 301+37.80**

**LAK-US-20-19.59**  
**PART 1**

812  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_52 7/15/2022 3:24:20 PM Troyer

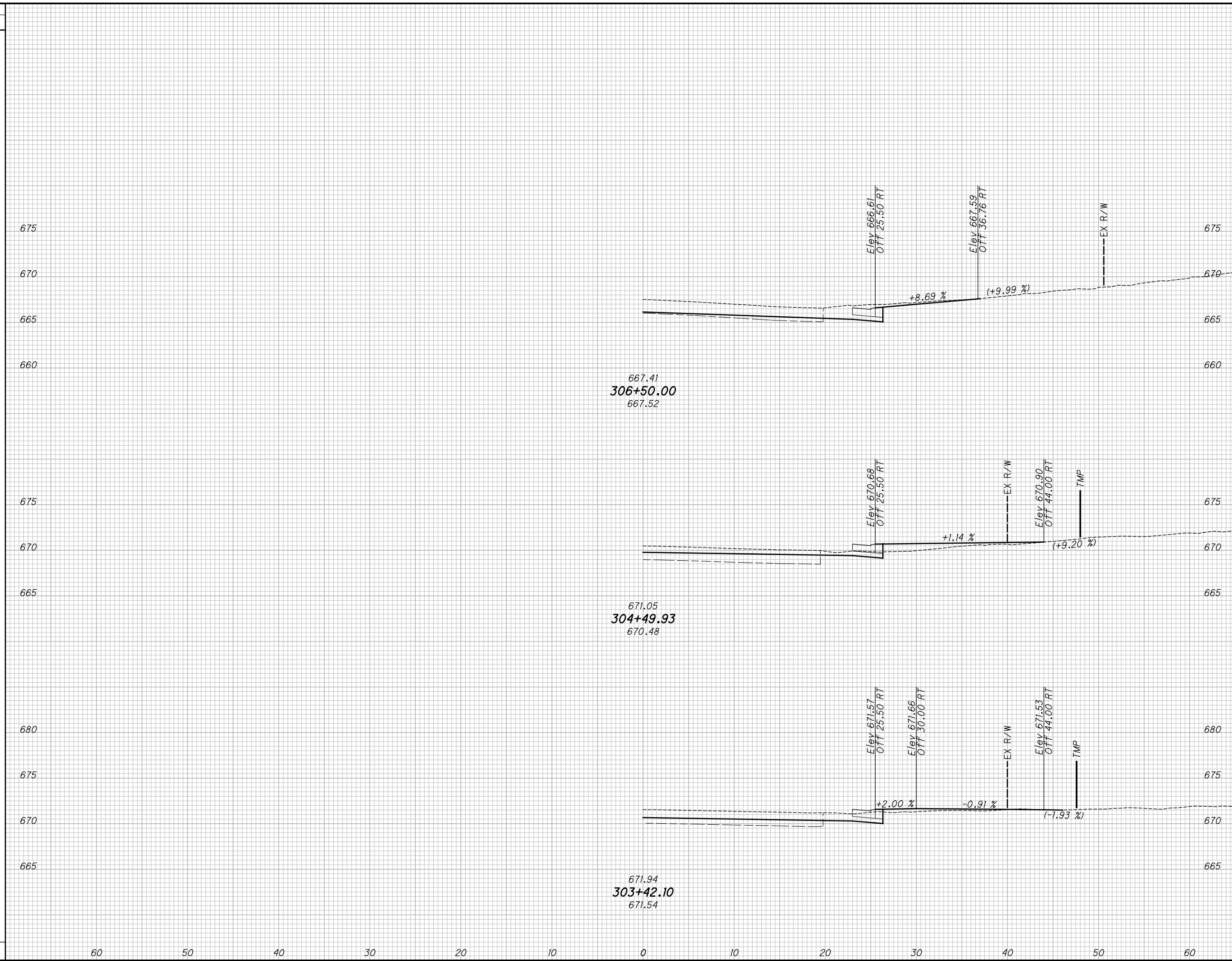


SEEDING		END AREA		VOLUME		CALCULATED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JMP	WDB
<b>LAK-US-20-19.59</b> <b>DRIVEWAY PROFILES U.S. 20</b> <b>PART 1</b> <b>STA. 301+66.50 TO STA. 302+87.00</b>							
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">813</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1253</span>							



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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

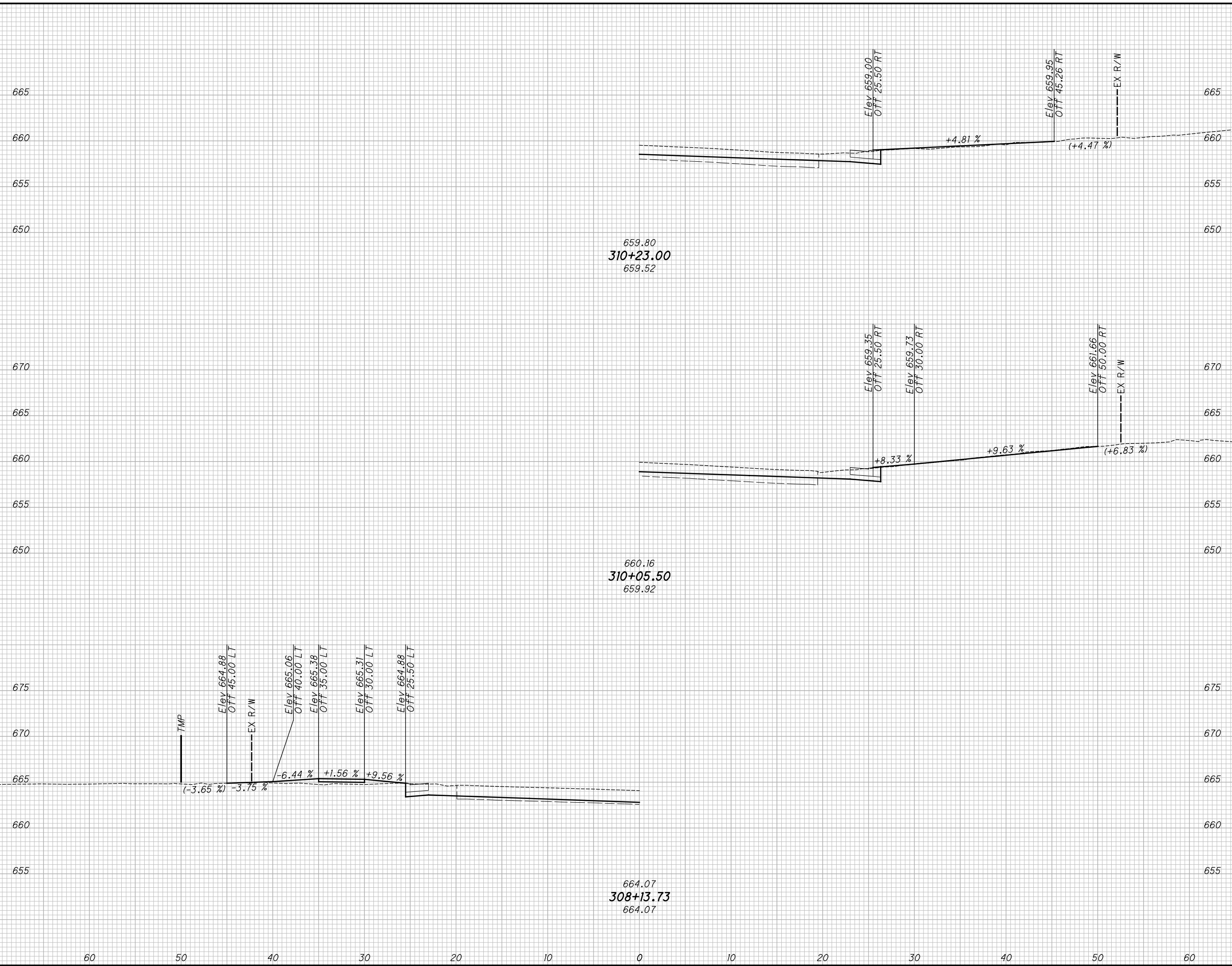
CALCULATED JMP	CHECKED WDB

**DRIVEWAY PROFILES U.S. 20  
STA. 303+42.10 TO STA. 306+50.00**

**LAK-US-20-19.59  
PART 1**

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

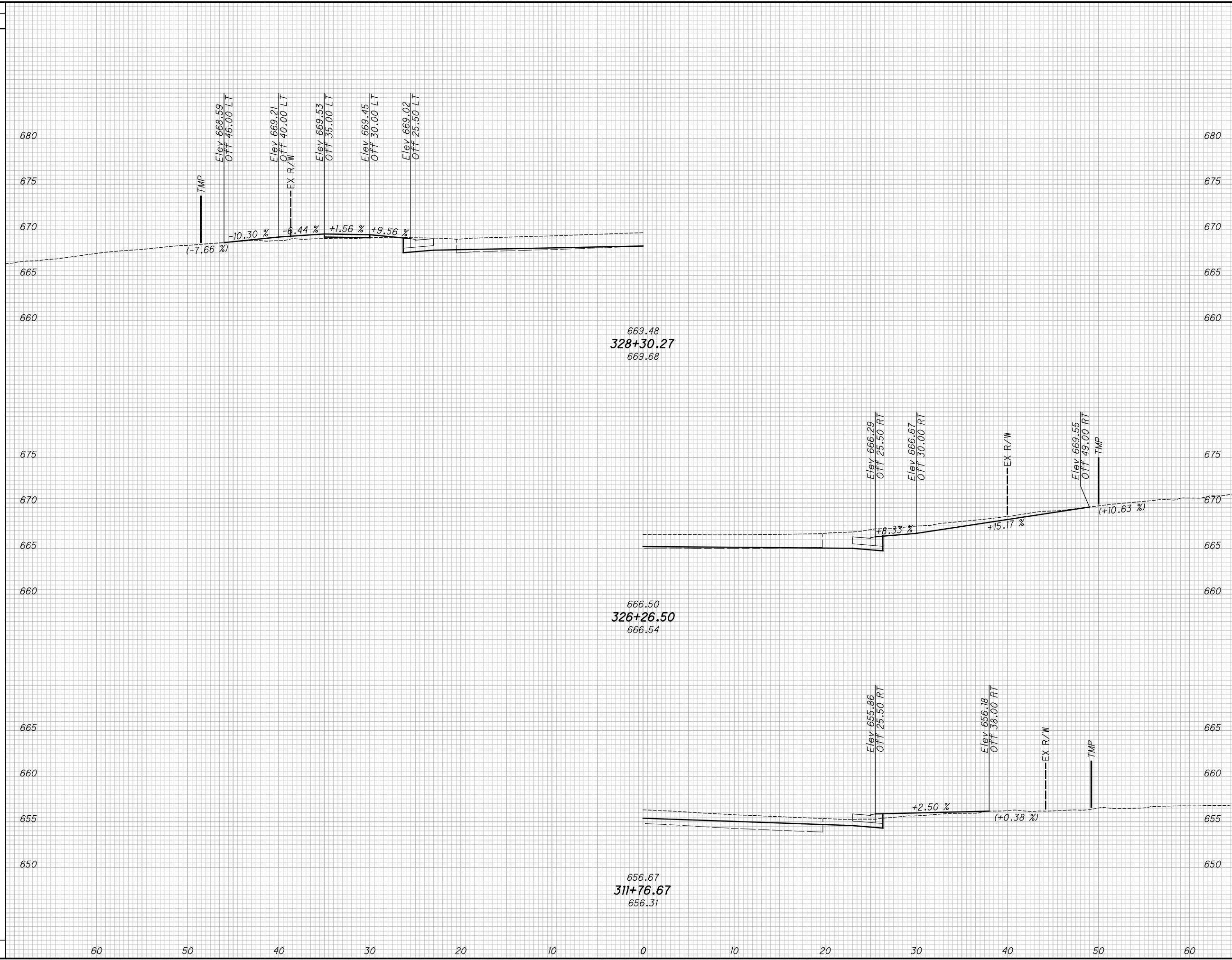
**DRIVEWAY PROFILES U.S. 20**  
**STA. 308+13.73 TO STA. 310+23.00**

**LAK-US-20-19.59**  
**PART 1**

815  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_55 7/15/2022 3:24:24 PM Troyer

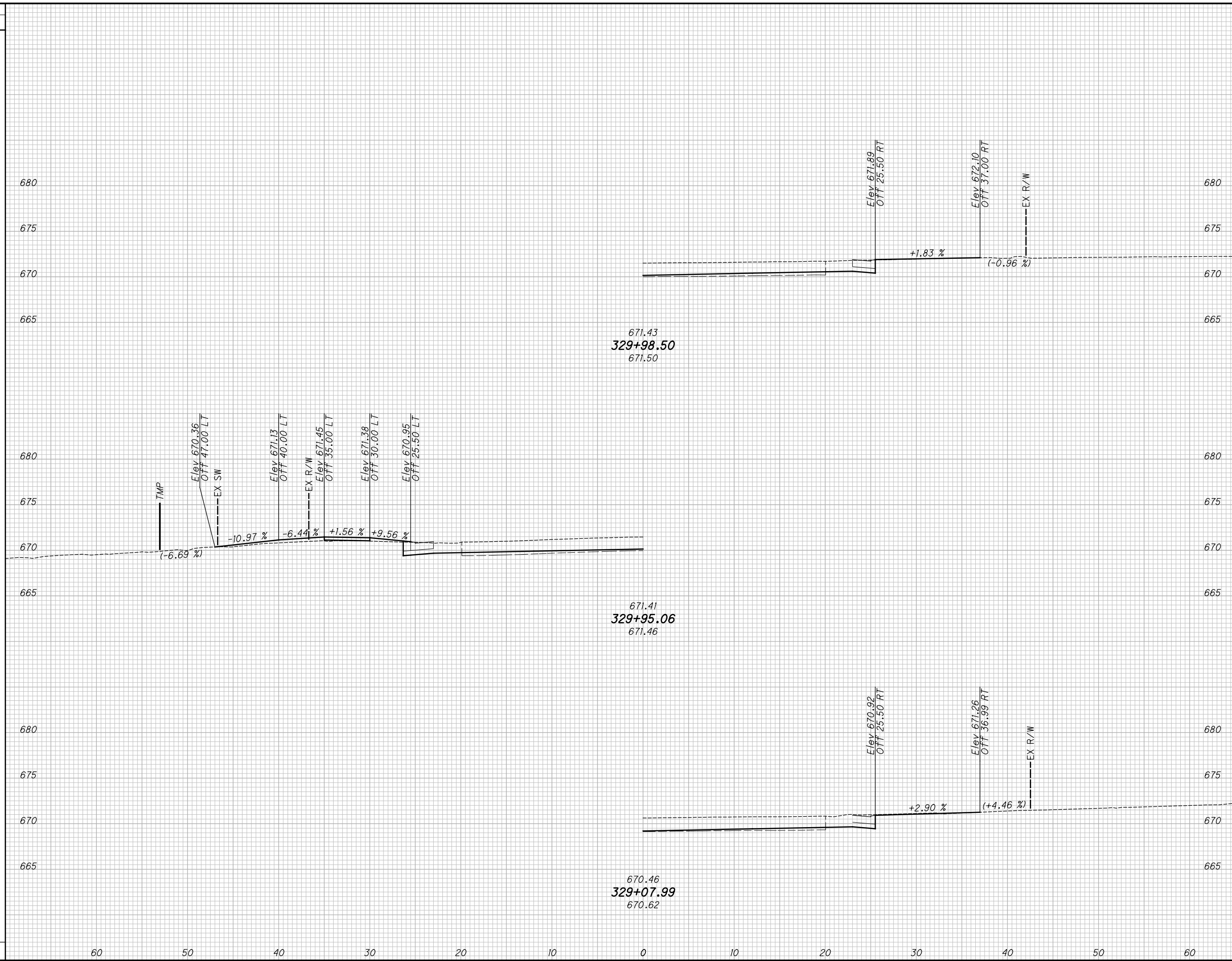
SEEDING  
END SO.  
WIDTH YDS.



END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**LAK-US-20-19.59**  
**DRIVEWAY PROFILES U.S. 20**  
**PART 1**  
**STA. 311+76.67 TO STA. 328+30.27**

816  
1253



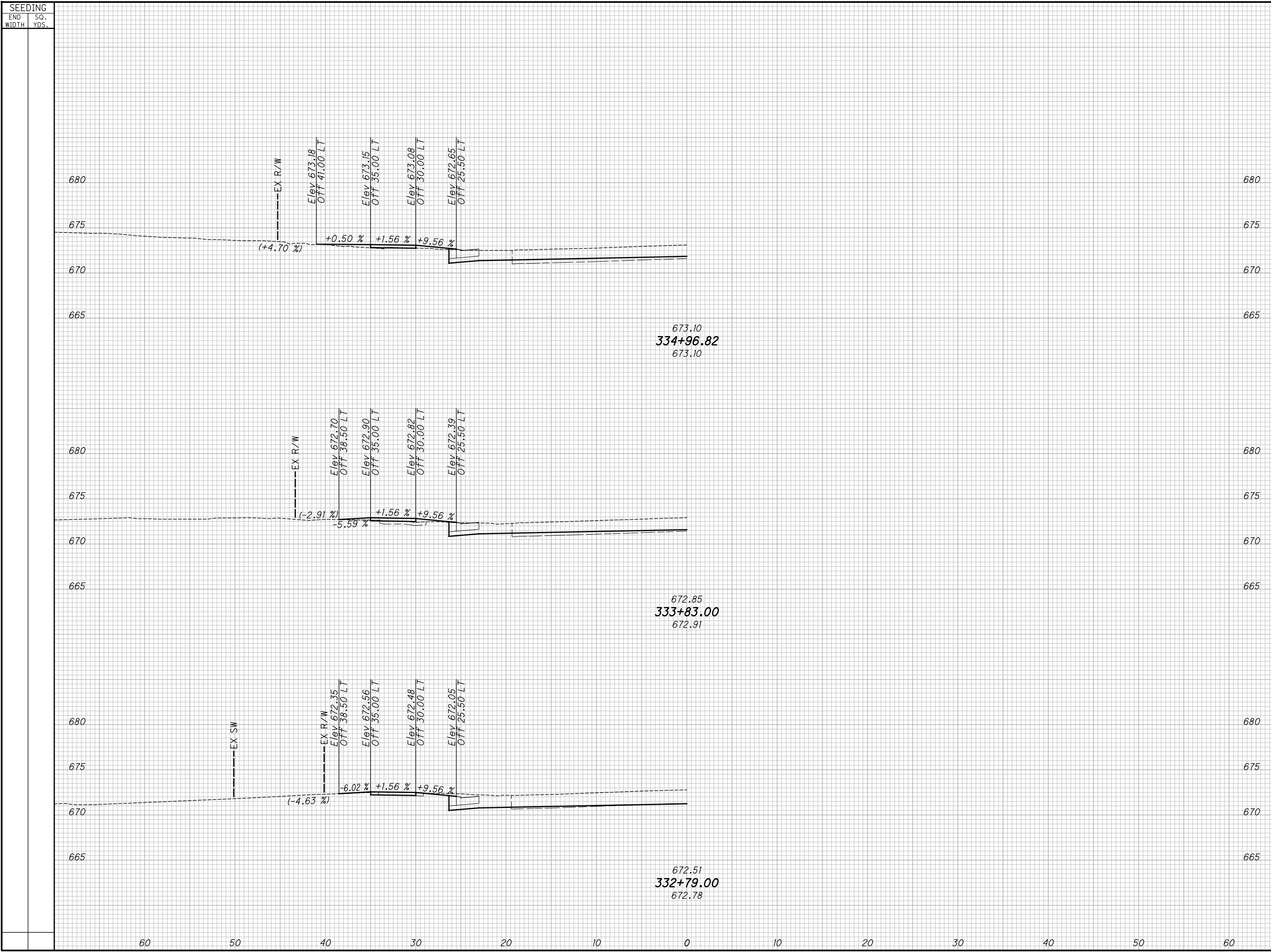
SEEDING		END AREA		VOLUME		CALCULATED		CHECKED	
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JMP	WDB	JMP	WDB

**DRIVEWAY PROFILES U.S. 20**  
**STA. 329+07.99 TO STA. 329+98.50**

**LAK-US-20-19.59**  
**PART 1**

817  
1253

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END AREA	VOLUME		CALCULATED JMP	CHECKED WDB
	CUT	FILL		

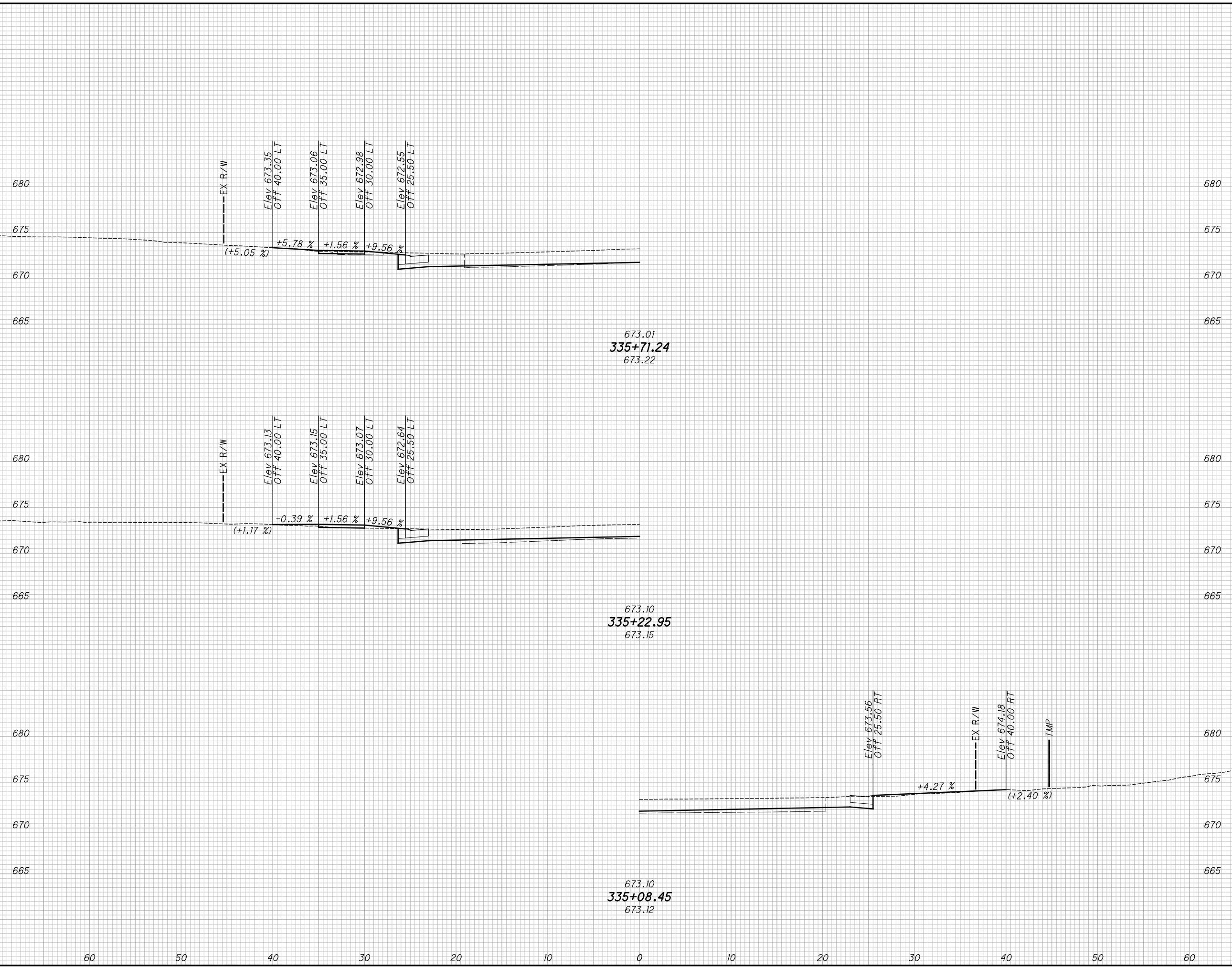
**LAK-US-20-19.59 PART 1**

**DRIVEWAY PROFILES U.S. 20**

**STA. 332+79.00 TO STA. 334+96.82**

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20**  
**STA. 335+08.45 TO STA. 335+71.24**

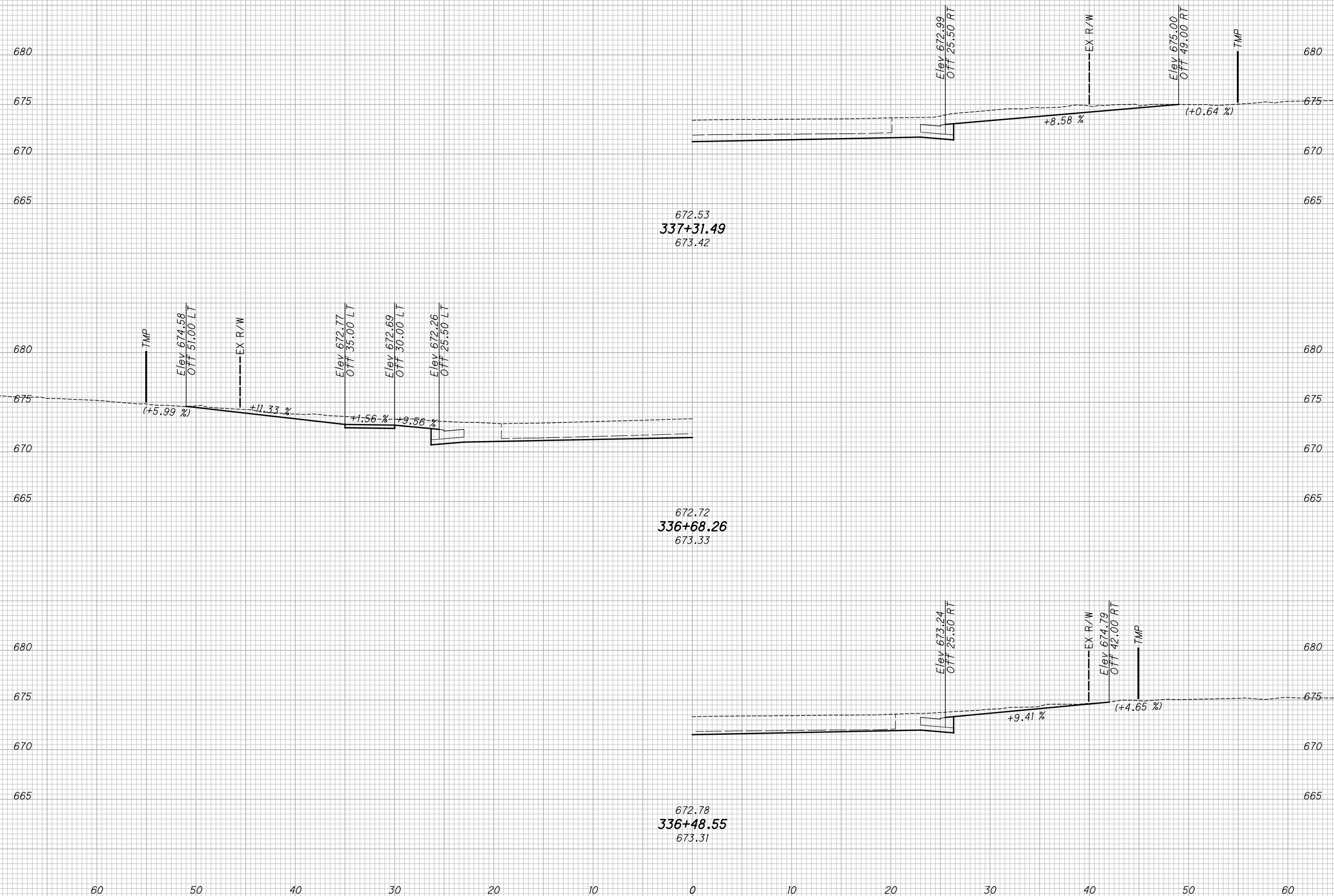
**LAK-US-20-19.59**  
**PART 1**

819  
1253

H:\2018\180743\0001\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_59 7/15/2022 3:24:29 PM Troyer

SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



**DRIVEWAY PROFILES U.S. 20**  
**STA. 336+48.55 TO STA. 337+31.49**

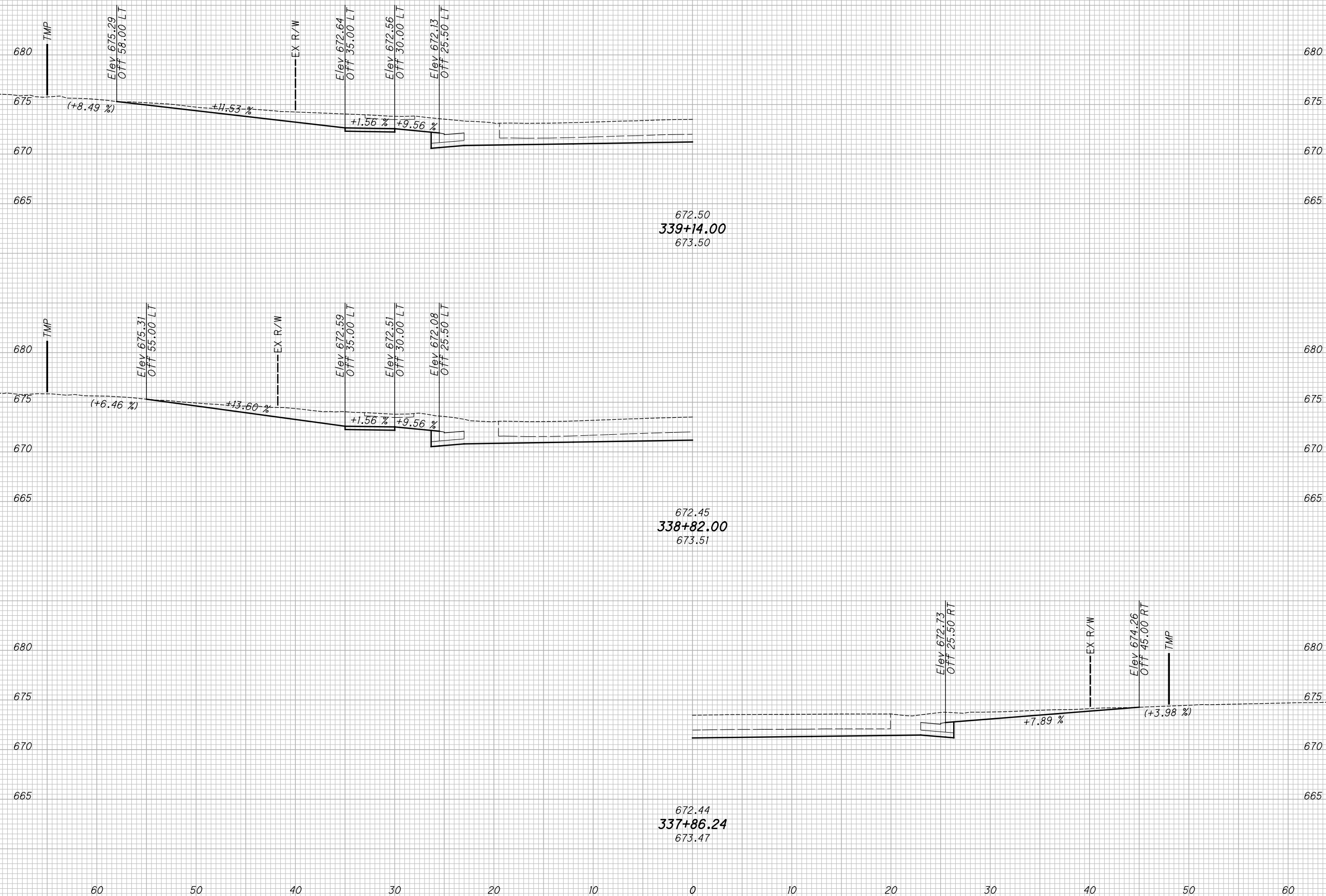
**LAK-US-20-19.59**  
**PART 1**

820  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_60 7/15/2022 3:24:30 PM Troyer

SEEDING  
END SO.  
WIDTH YDS.

END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		



**DRIVEWAY PROFILES U.S. 20**  
**STA. 337 + 86.24 TO STA. 339 + 14.00**

**LAK-US-20-19.59**  
**PART 1**

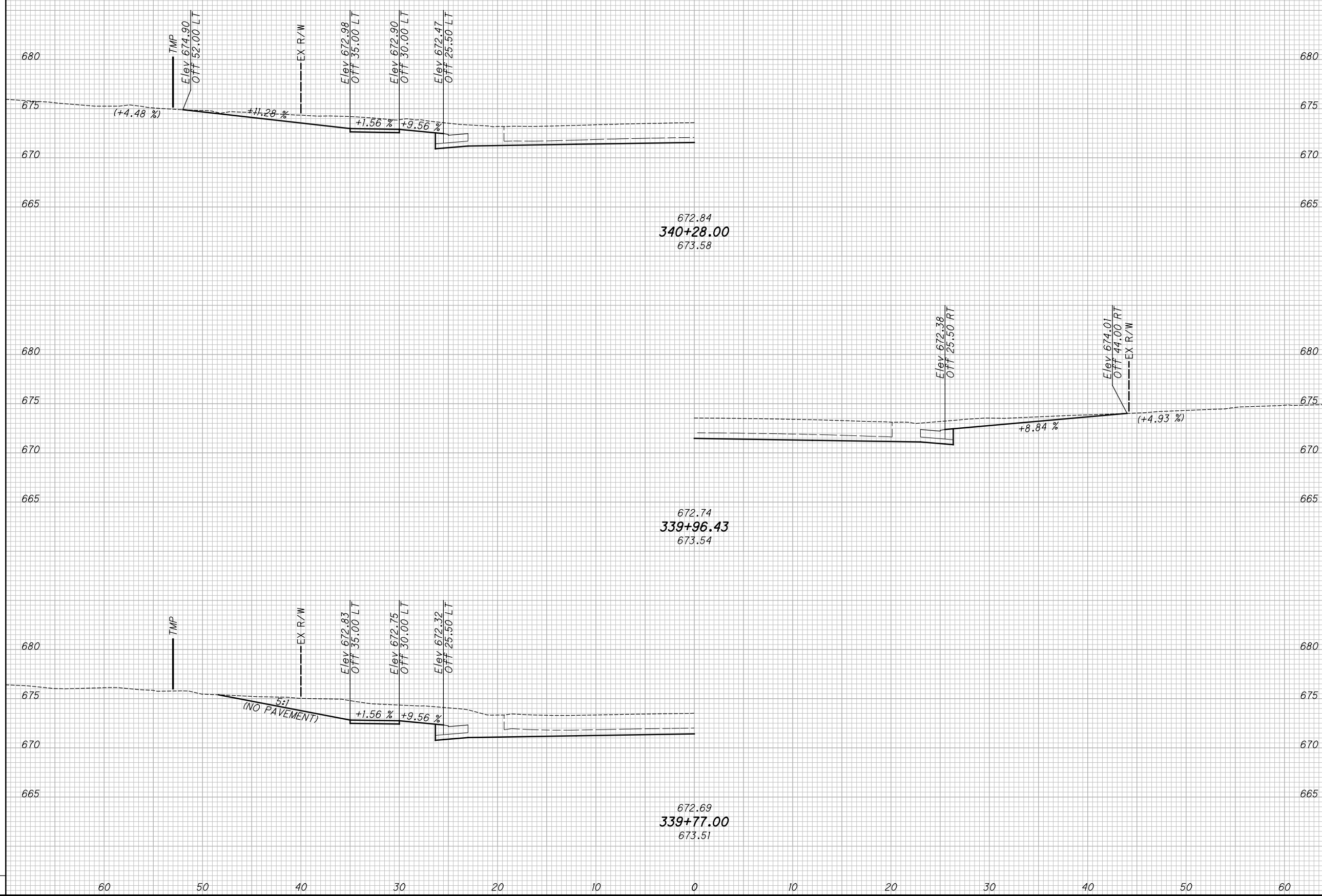
821  
1253



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SEEDING  
END SO.  
WIDTH YDS.

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB

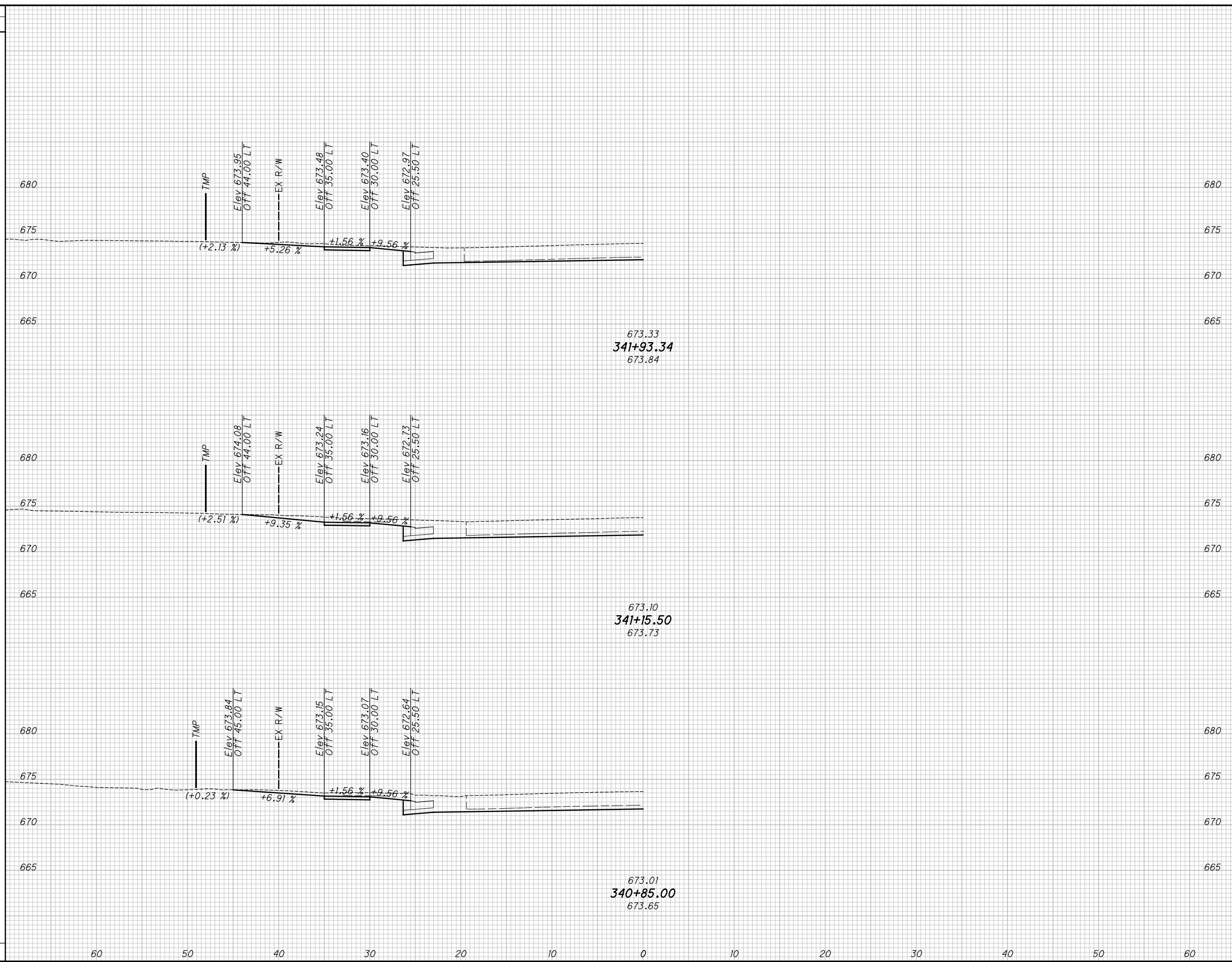


DRIVEWAY PROFILES U.S. 20  
STA. 339+77.00 TO STA. 340+28.00

LAK-US-20-19.59  
PART 1

822  
1253

SEEDING  
 END SO.  
 WIDTH YDS.  
 H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_62 7/15/2022 3:24:33 PM Troyer



END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**LAK-US-20-19.59  
 PART 1**

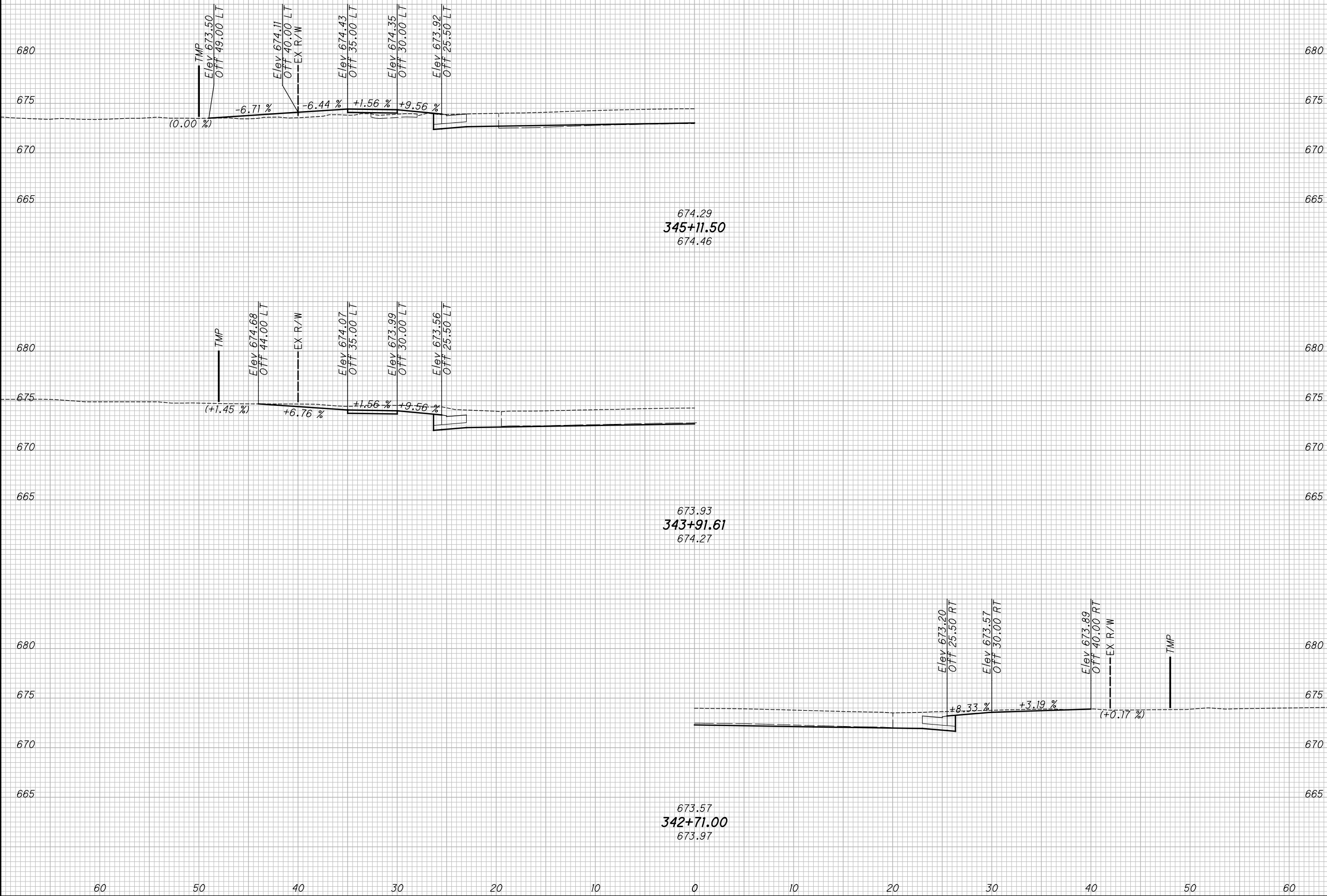
**DRIVEWAY PROFILES U.S. 20  
 STA. 340+85.00 TO STA. 341+93.34**

823  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_63 7/15/2022 3:24:34 PM Troyer

SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



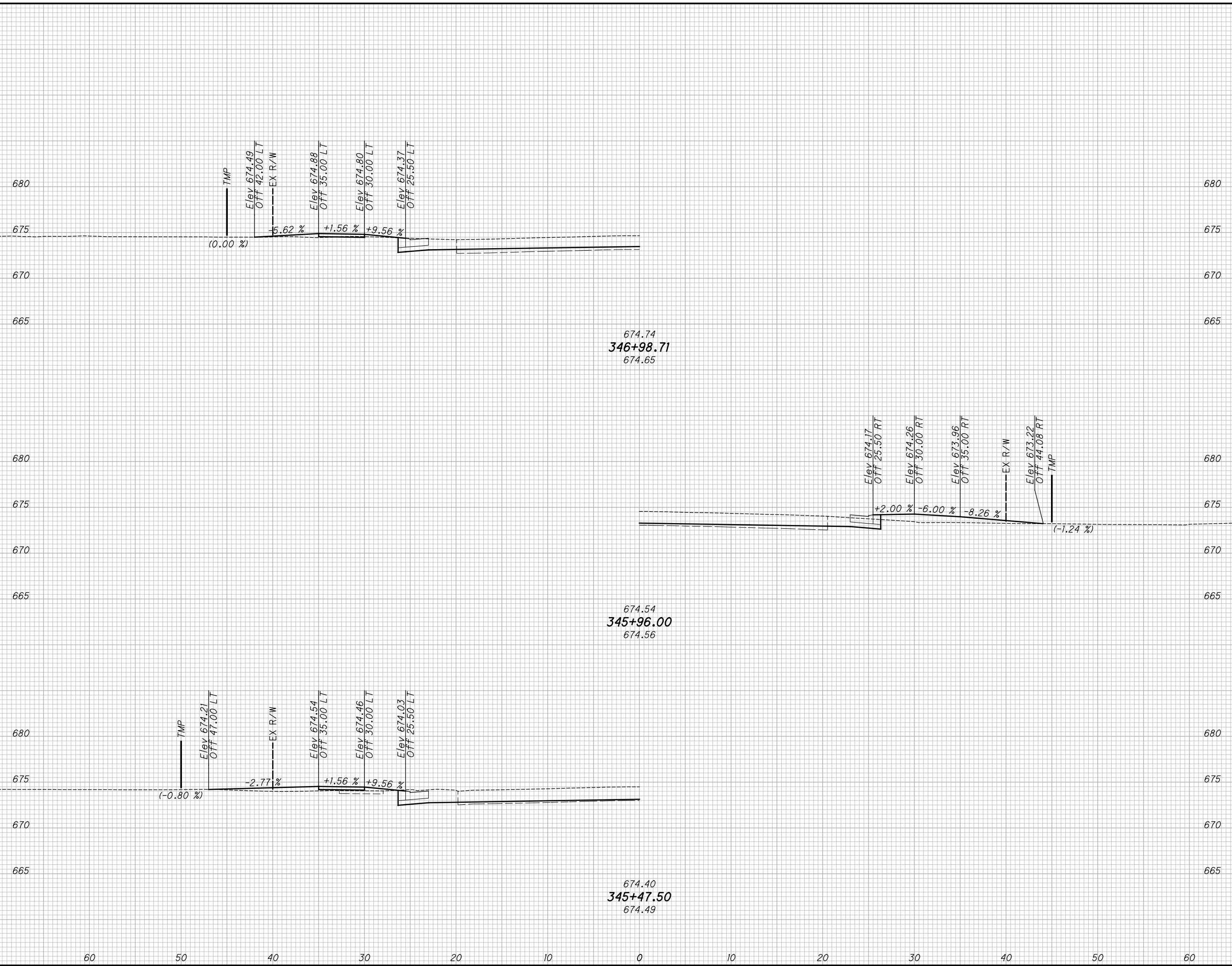
**DRIVEWAY PROFILES U.S. 20**  
**STA. 342+71.00 TO STA. 345+11.50**

**LAK-US-20-19.59**  
**PART 1**

824  
1253

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SEEDING	
END WIDTH	SO. YDS.



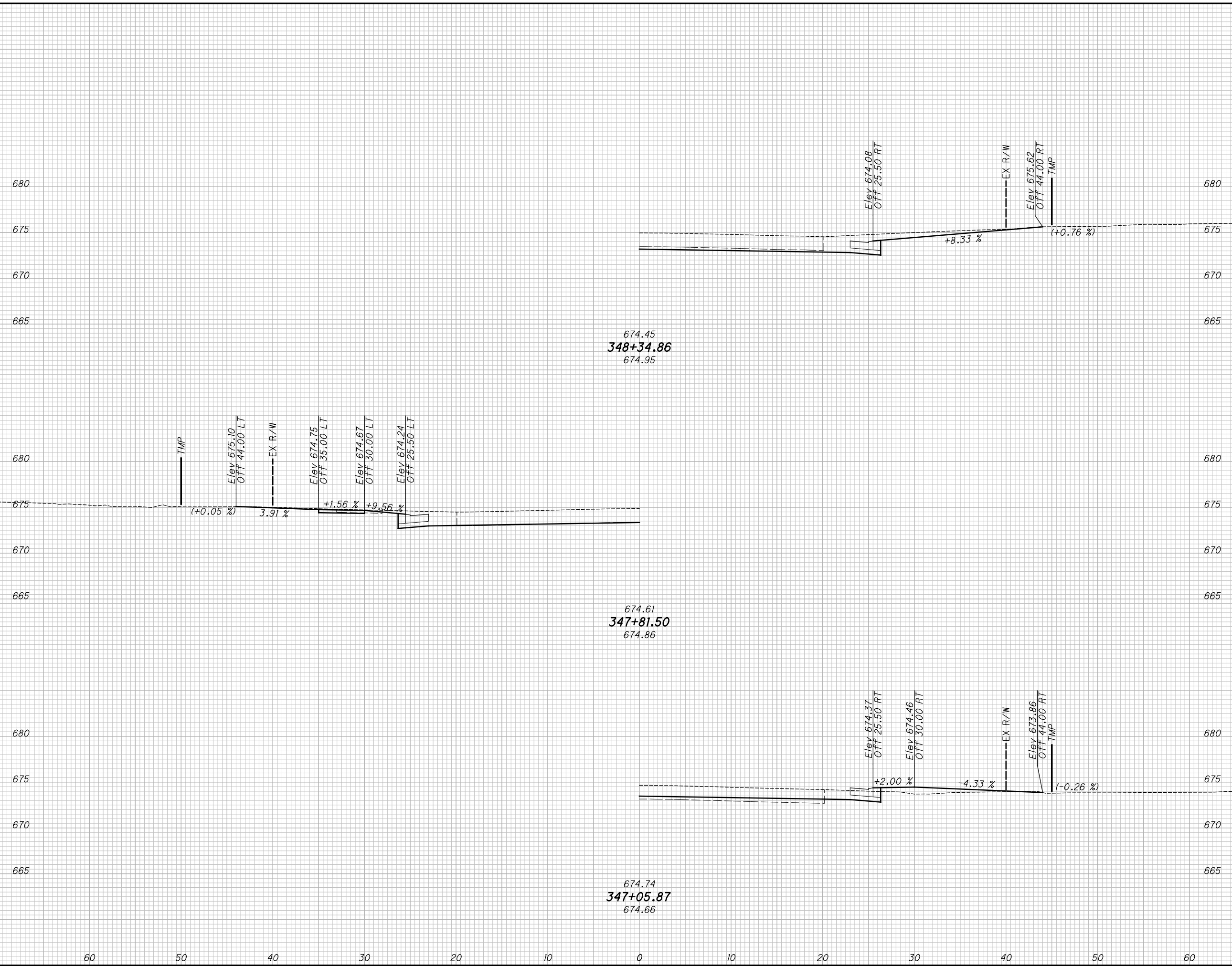
END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**LAK-US-20-19.59**  
**PART 1**

**DRIVEWAY PROFILES U.S. 20**  
**STA. 345+47.50 TO STA. 346+98.71**

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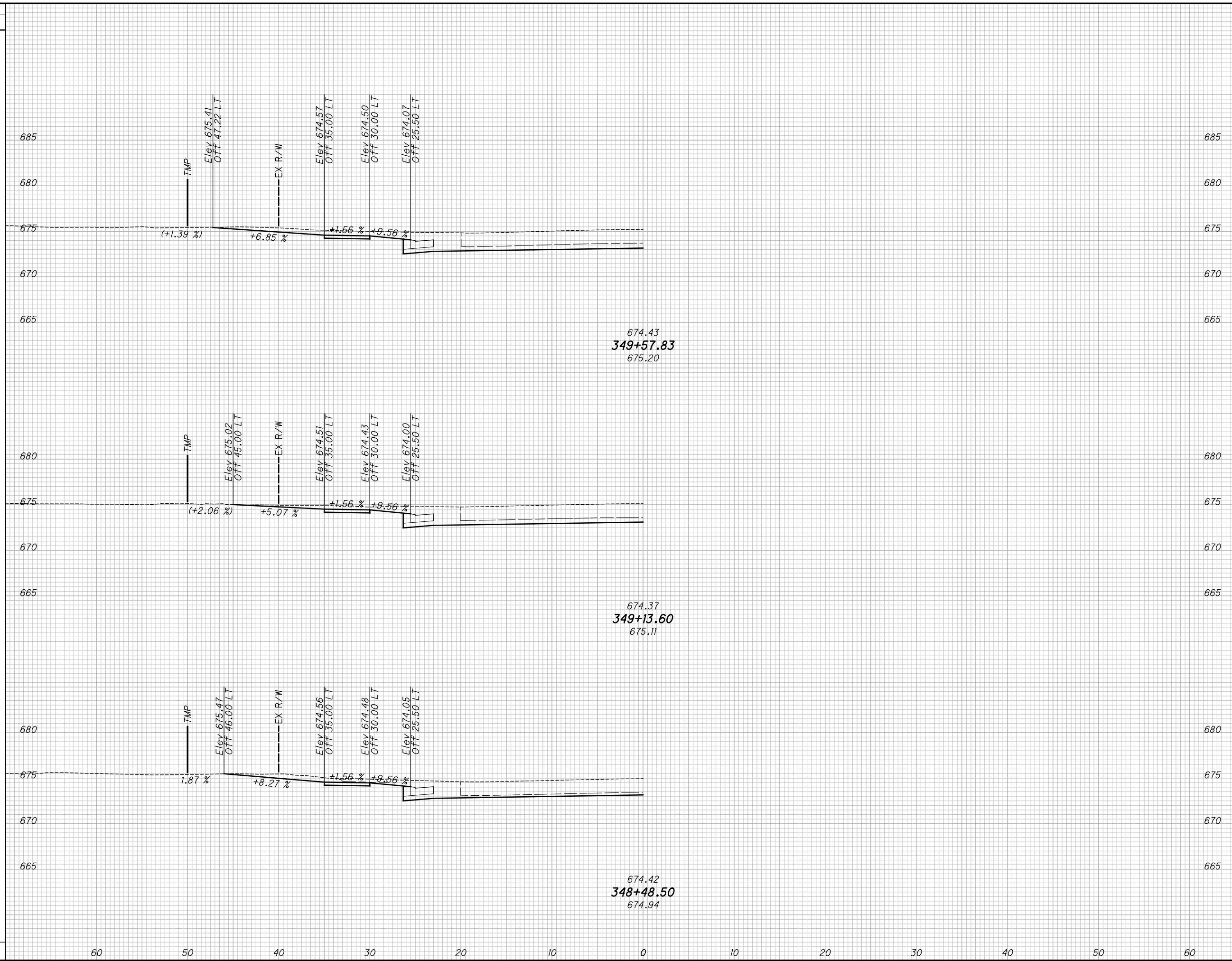
SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

**LAK-US-20-19.59**  
**PART 1**  
**DRIVEWAY PROFILES U.S. 20**  
**STA. 347+05.87 TO STA. 348+34.86**

826  
 1253

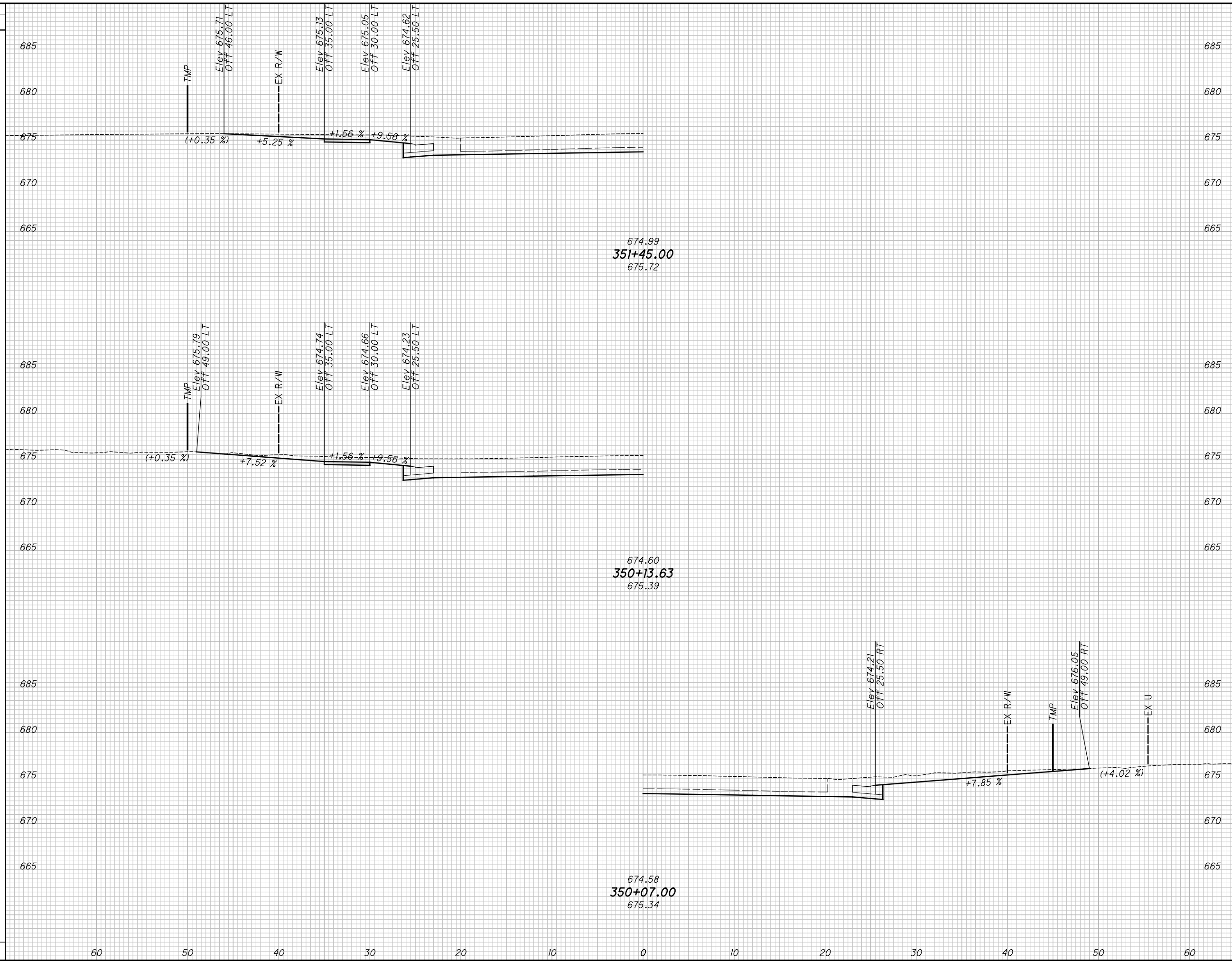


END AREA	VOLUME	CALCULATED JUMP	CHECKED WDB

**LAK-US-20-19.59  
PART 1**

**DRIVEWAY PROFILES U.S. 20  
STA. 348+48.50 TO STA. 349+57.83**

827  
1253

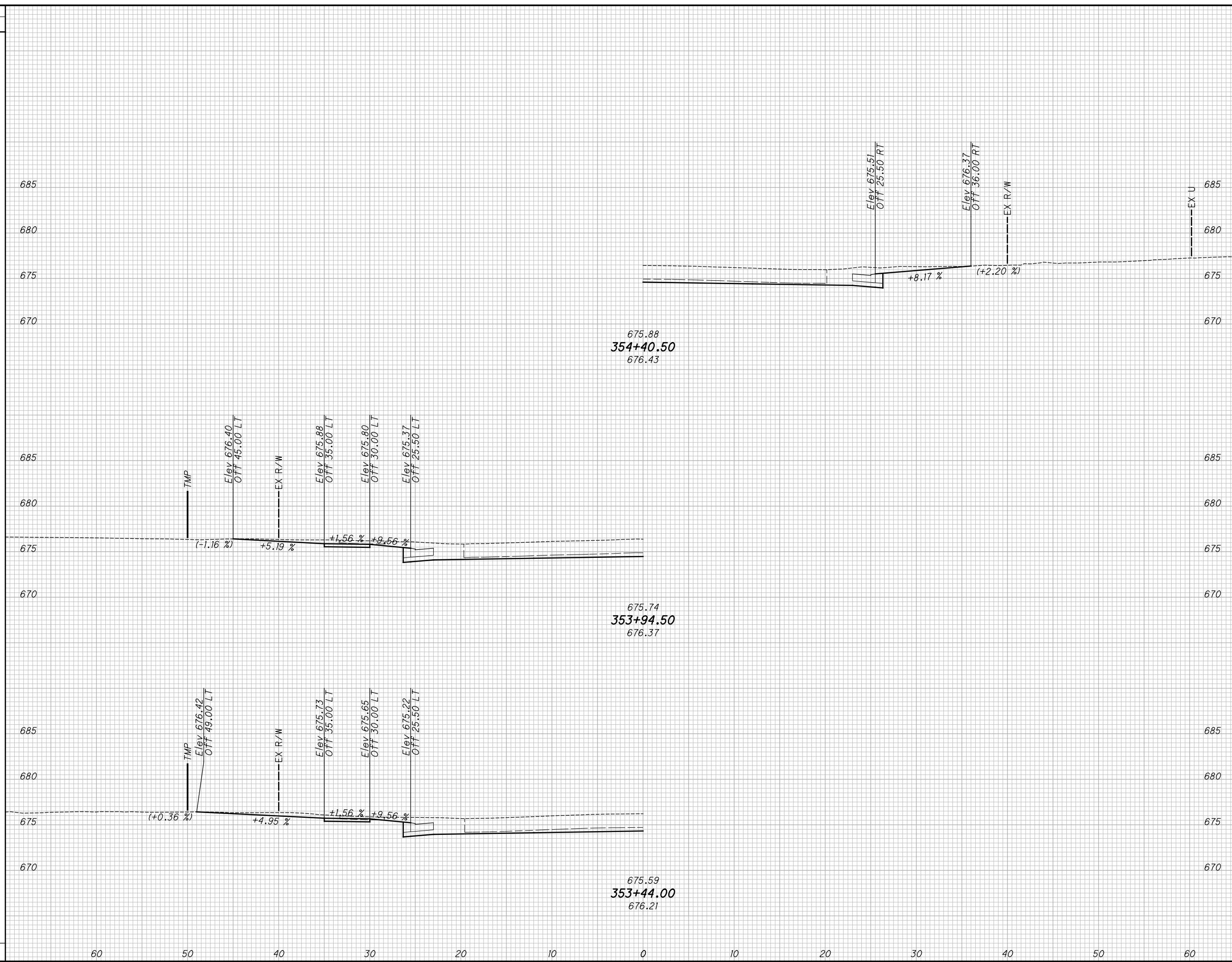


SEEDING		END AREA		VOLUME		CALCULATED		
END WIDTH	SO. YDS.	CUT	FILL	CUT	FILL	JMP	CHECKED	WDB

**DRIVEWAY PROFILES U.S. 20  
STA. 350+07.00 TO STA. 351+45.00**

**LAK-US-20-19.59  
PART 1**

SEEDING  
 END SO.  
 WIDTH YDS.  
 H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_68 7/15/2022 3:24:40 PM Troyer



END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**LAK-US-20-19.59  
PART 1**

**DRIVEWAY PROFILES U.S. 20  
STA. 353+44.00 TO STA. 354+40.50**

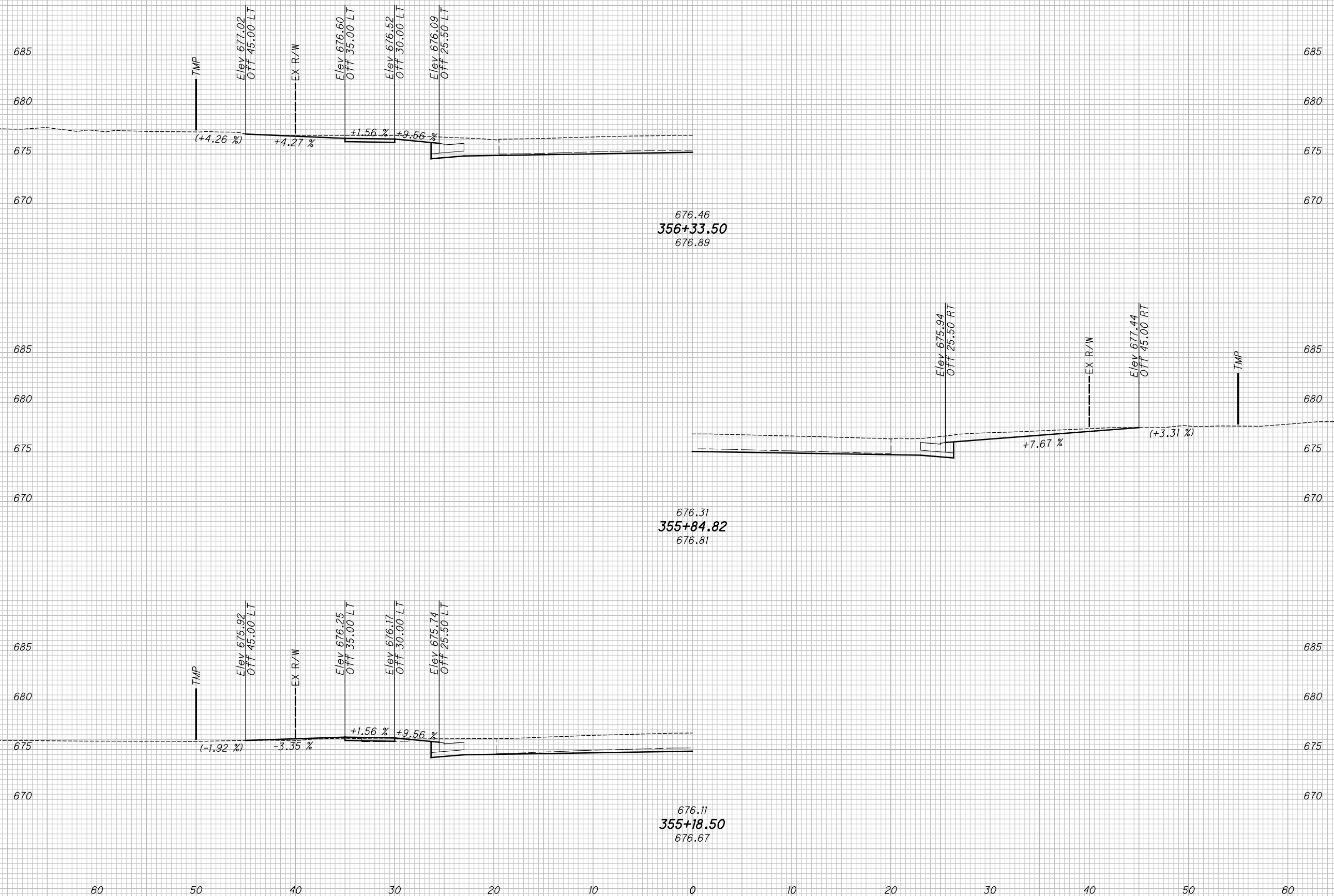
829  
1253



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SEEDING  
END SO.  
WIDTH YDS.

END AREA  
CUT FILL  
VOLUME  
CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB

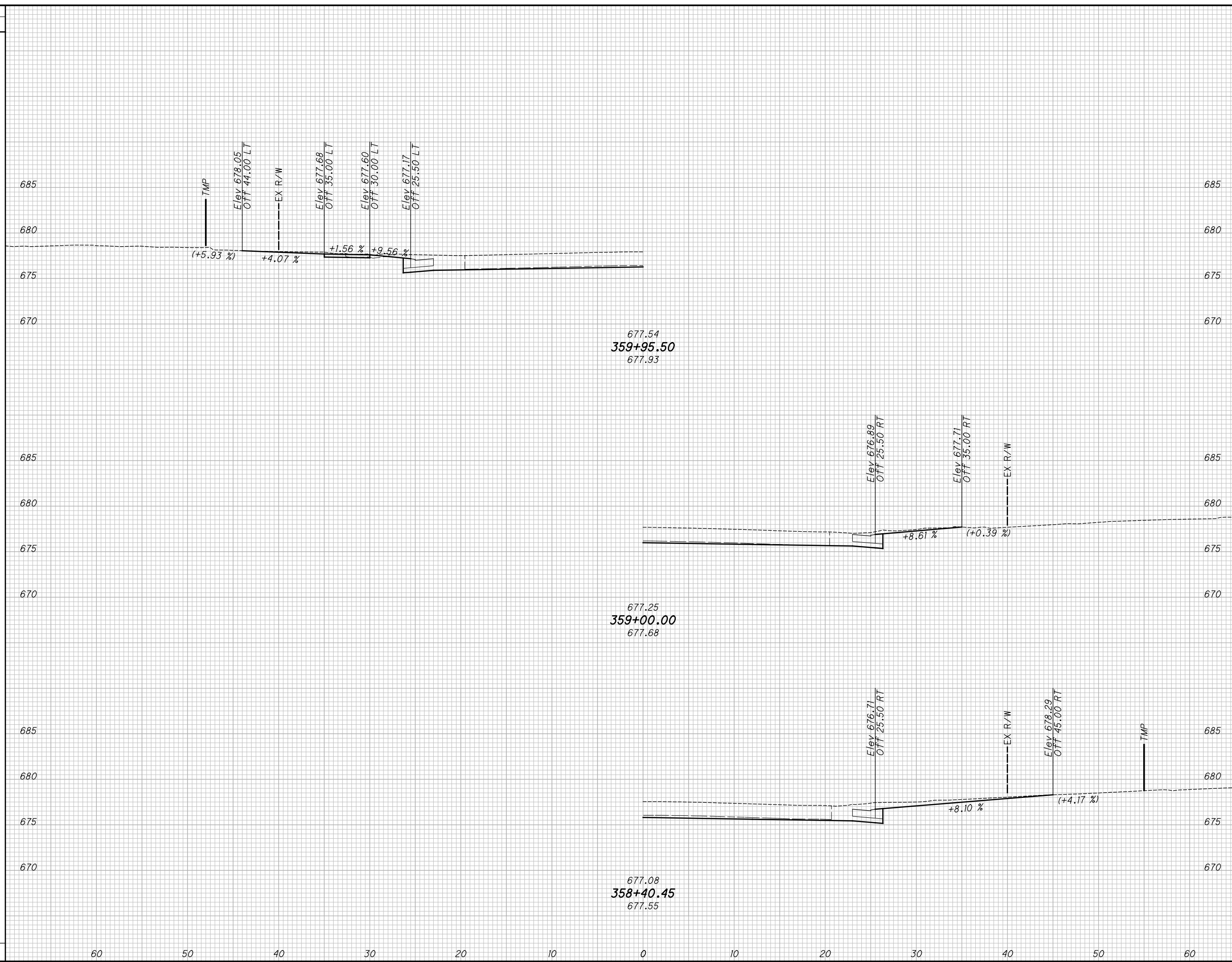


**DRIVEWAY PROFILES U.S. 20  
STA. 355 + 18.50 TO STA. 356 + 33.50**

**LAK-US-20-19.59  
PART 1**

830  
1253

SEEDING  
 END SO.  
 WIDTH YDS.  
 H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_T0 7/15/2022 3:24:43 PM Troyer



END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		

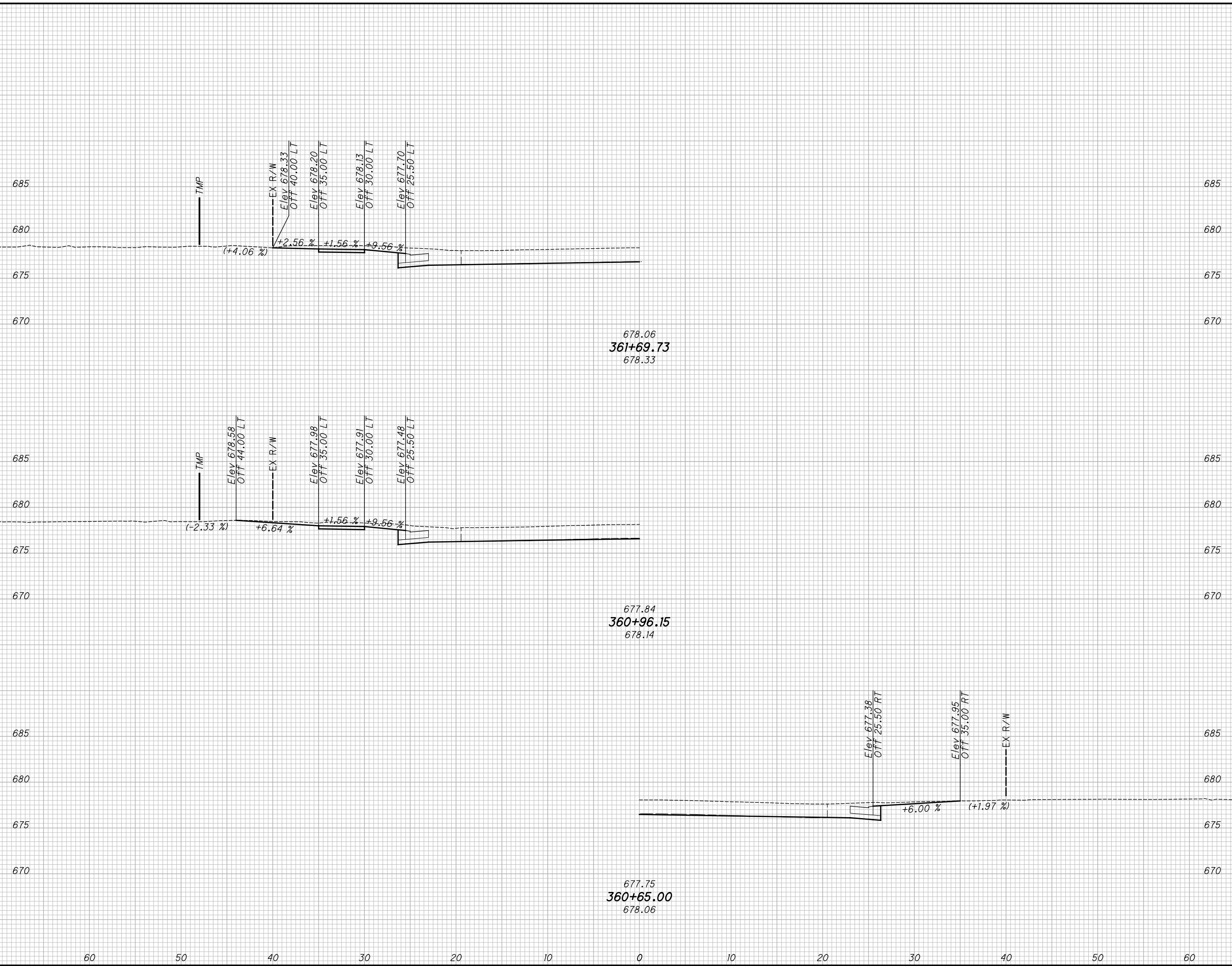
**LAK-US-20-19.59  
PART 1**

**DRIVEWAY PROFILES U.S. 20  
STA. 358+40.45 TO STA. 359+95.50**

831  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

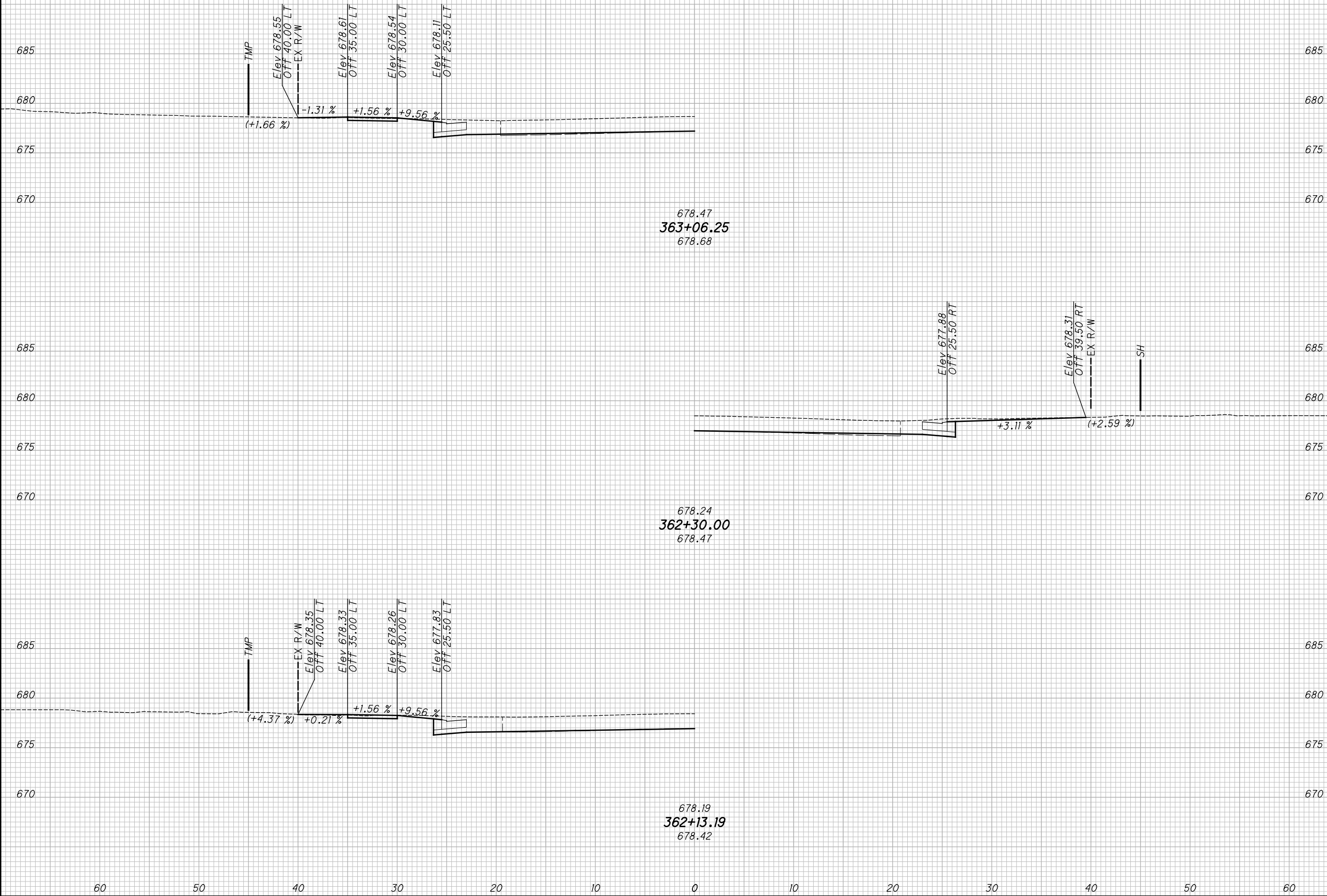
**LAK-US-20-19.59**  
**PART 1**

**DRIVEWAY PROFILES U.S. 20**  
**STA. 360+65.00 TO STA. 361+69.73**

832  
1253

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SEEDING  
END SO.  
WIDTH YDS.



END AREA  
CUT FILL

VOLUME  
CUT FILL

CALCULATED  
JMP  
CHECKED  
WDB

DRIVEWAY PROFILES U.S. 20  
STA. 362+13.19 TO STA. 363+06.25

LAK-US-20-19.59  
PART 1

833  
1253

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SEEDING  
END SO.  
WIDTH YDS.

690  
685  
680  
675  
670  
685  
680  
675  
670  
685  
680  
675  
670  
685  
680  
675  
670  
685  
680  
675  
670

60 50 40 30 20 10 0 10 20 30 40 50 60

679.30  
**365+82.00**  
679.30

679.17  
**365+37.73**  
679.25

678.94  
**364+61.00**  
679.05

Elev 678.93  
OFF 25.50 RT

Elev 679.05  
OFF 37.00 RT

EX R/W

SH

+1.00 %  
(+0.43 %)

TMP  
Elev 679.57  
OFF 41.00 LT

Elev 679.31  
OFF 35.00 LT

Elev 679.23  
OFF 30.00 LT

Elev 678.80  
OFF 25.50 LT

(+2.24 %)  
+4.35 %  
+1.56 %  
+9.56 %

Elev 678.57  
OFF 25.50 RT

Elev 678.95  
OFF 37.00 RT

EX R/W

SH

+3.34 %  
(+2.07 %)

END AREA		VOLUME		CALCULATED JMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20**  
**STA. 364+61.00 TO STA. 365+82.00**

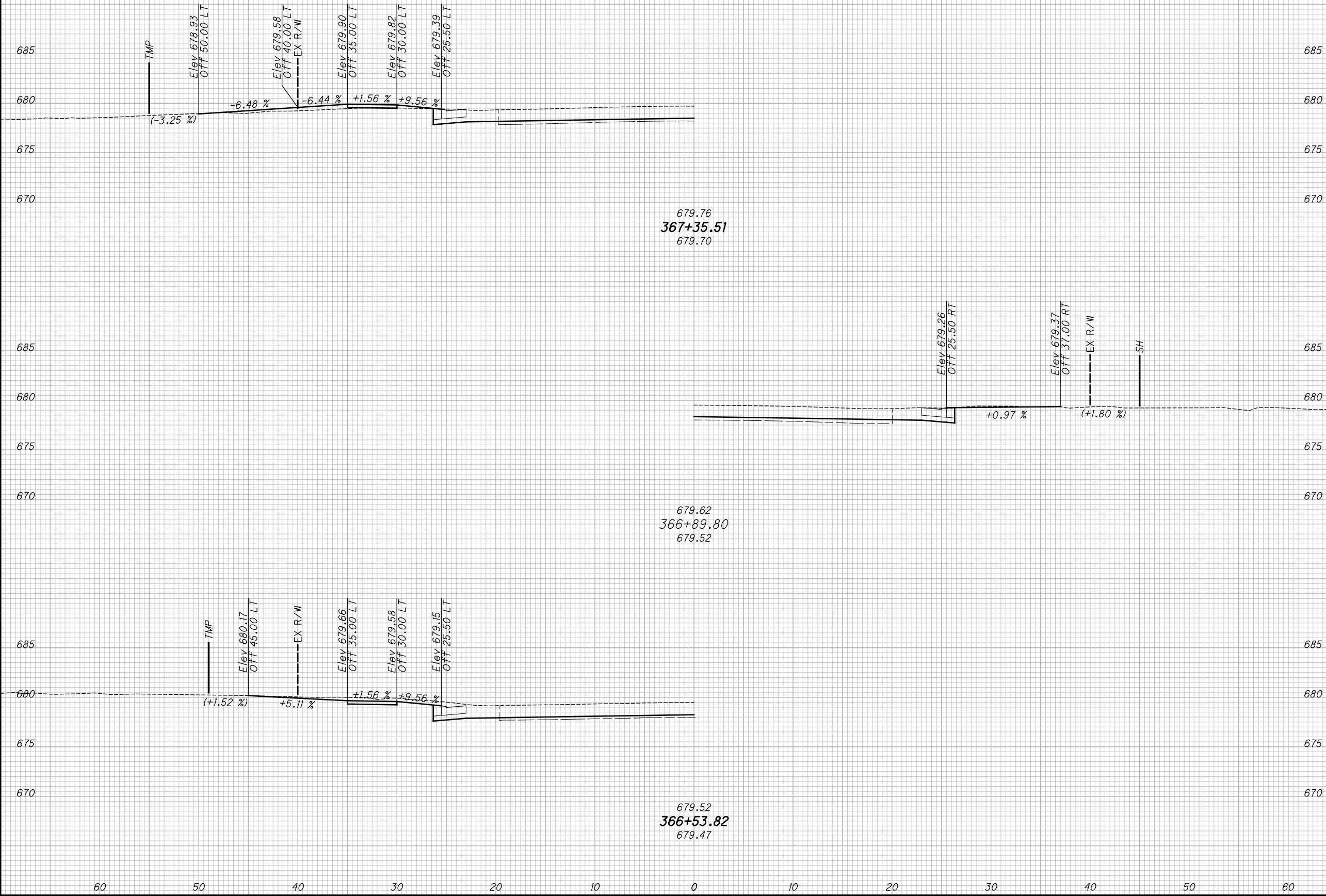
**LAK-US-20-19.59**  
**PART 1**

834  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



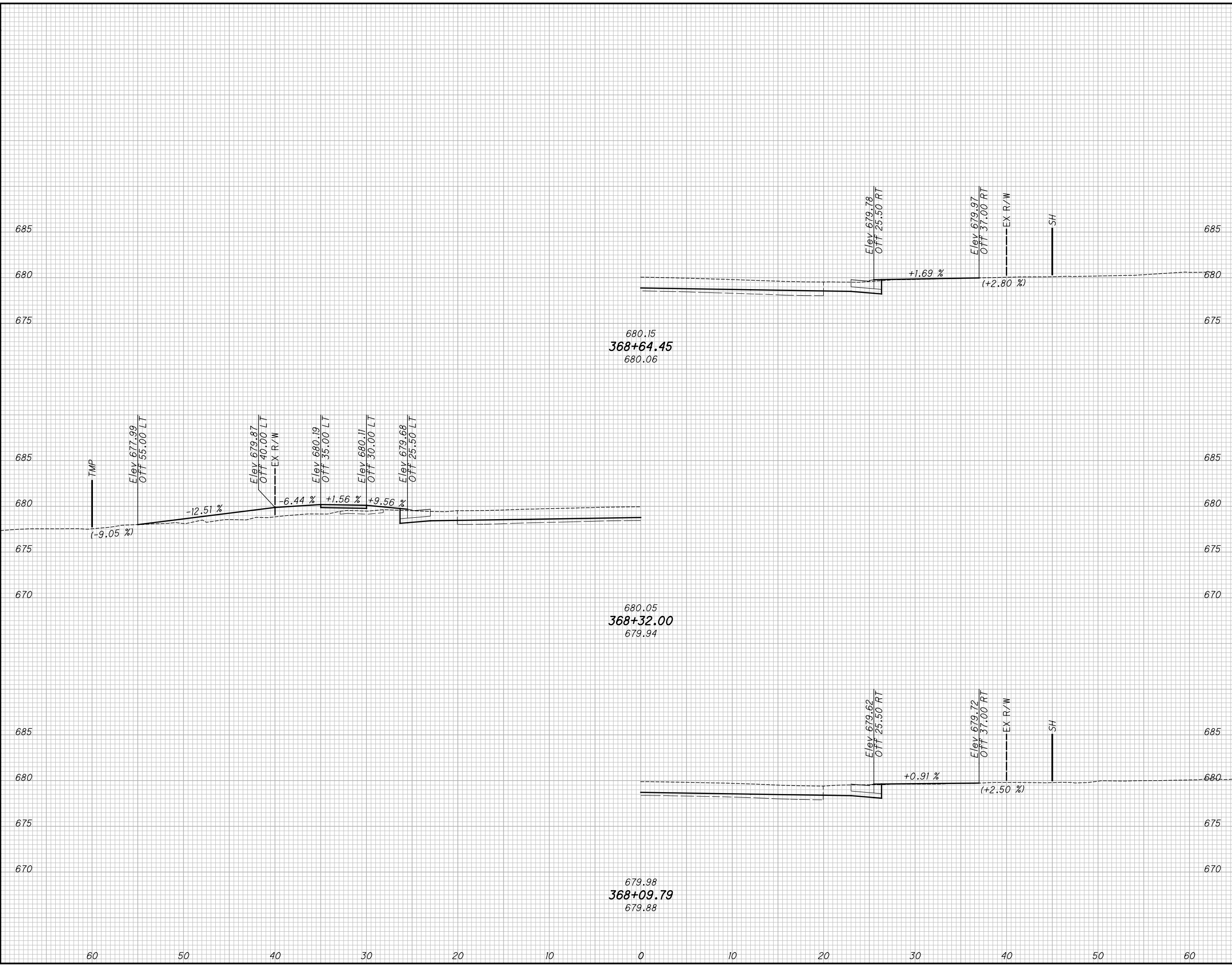
**DRIVEWAY PROFILES U.S. 20**  
**STA. 366+53.82 TO STA. 367+35.51**

**LAK-US-20-19.59**  
**PART 1**

835  
1253

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SEEDING  
END SO.  
WIDTH YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**LAK-US-20-19.59**  
**PART 1**

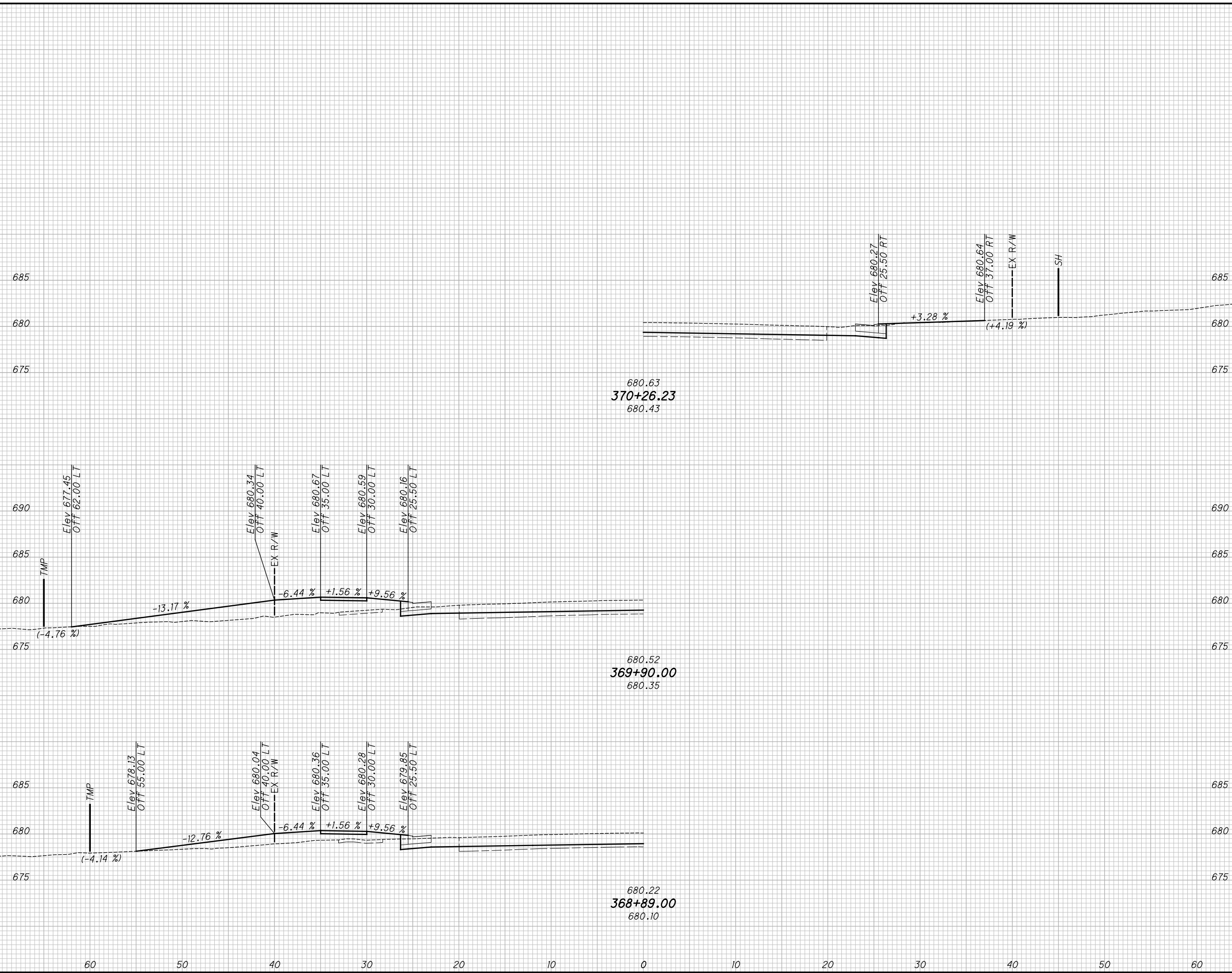
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**STA. 368+09.79 TO STA. 368+64.45**

836  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



**DRIVEWAY PROFILES U.S. 20**  
**STA. 368+89.00 TO STA. 370+26.23**

**LAK-US-20-19.59**  
**PART 1**

837  
1253

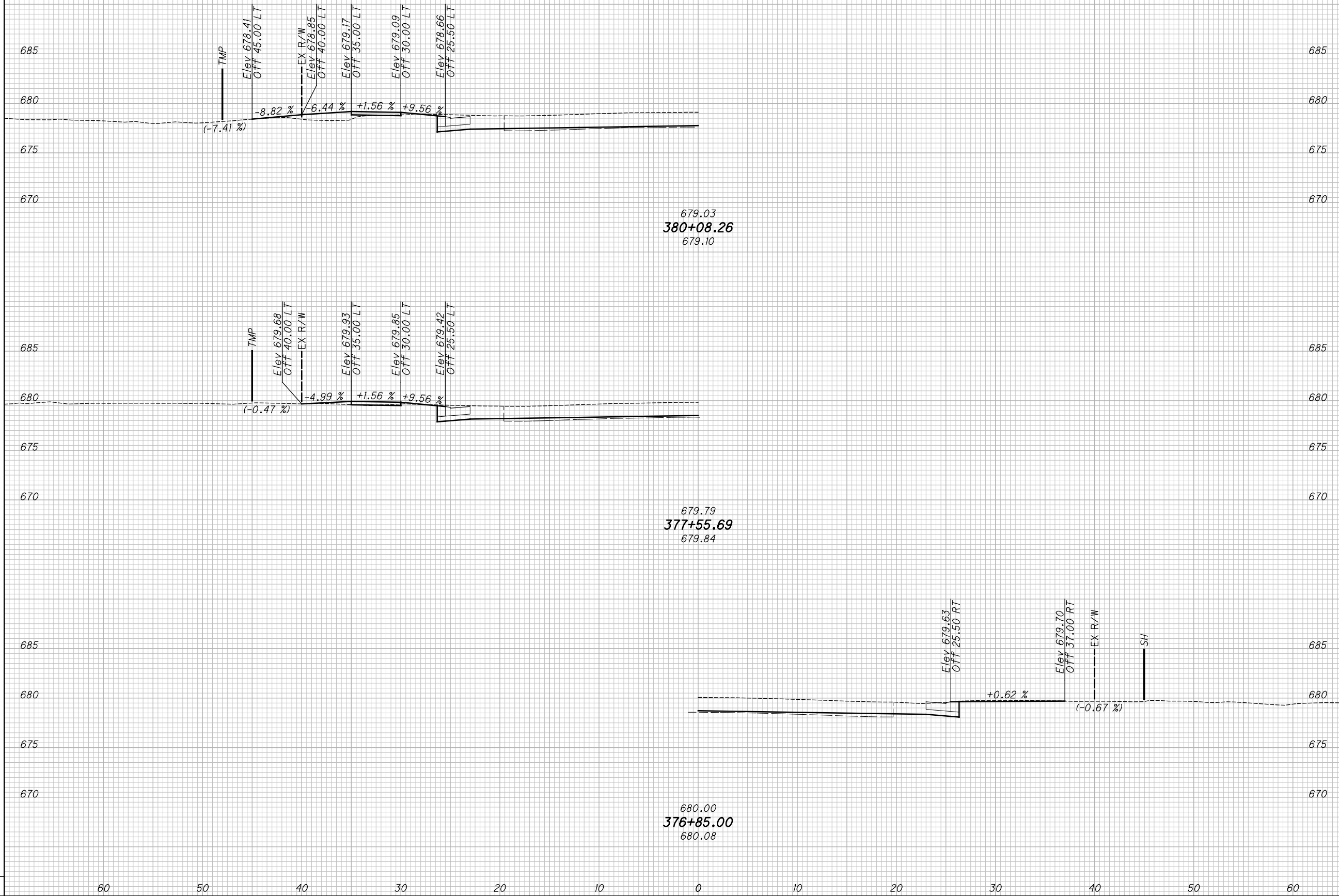




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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



DRIVEWAY PROFILES U.S. 20  
STA. 376+85.00 TO STA. 380+08.26

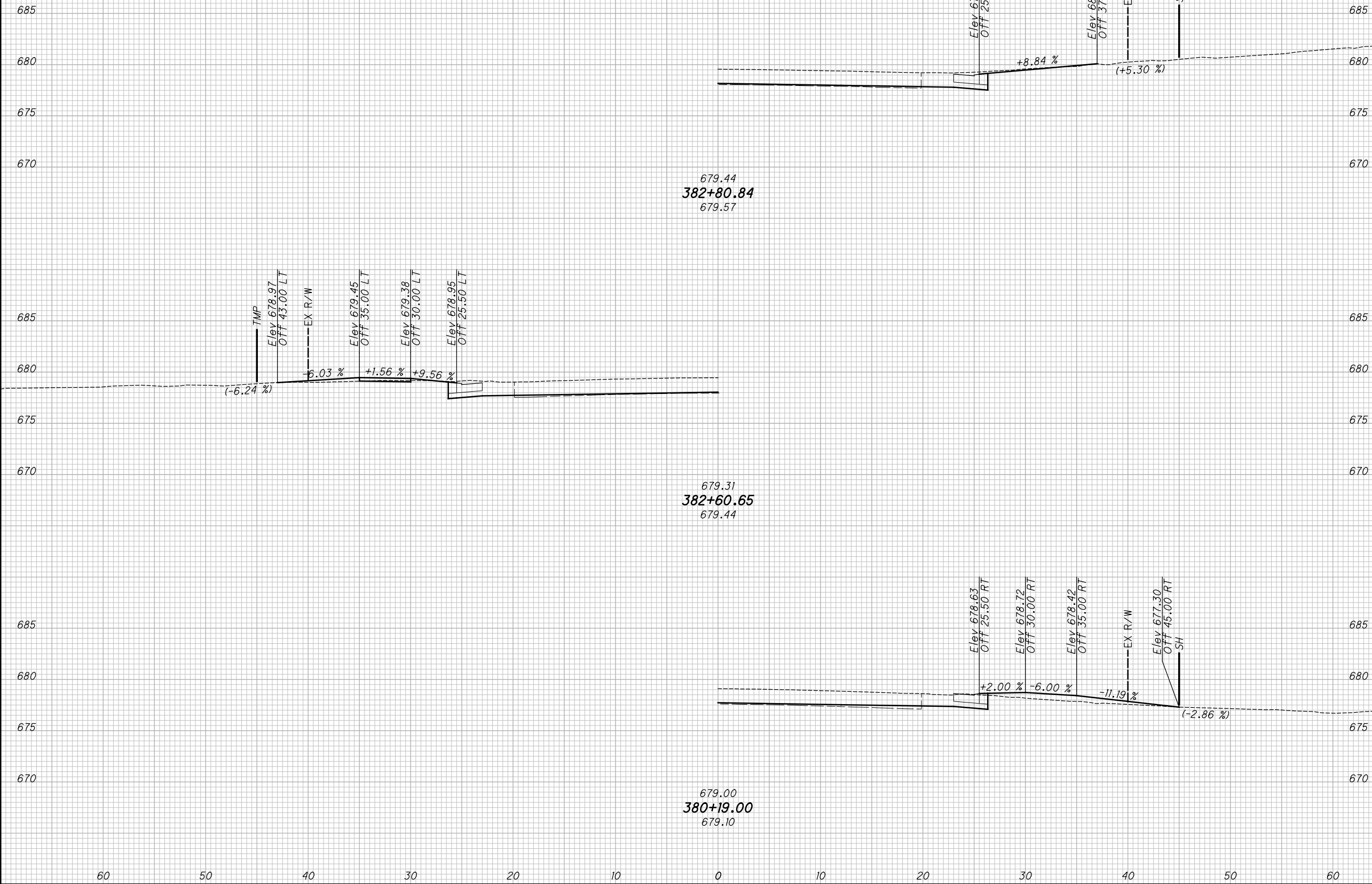
LAK-US-20-19.59  
PART 1

839  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB

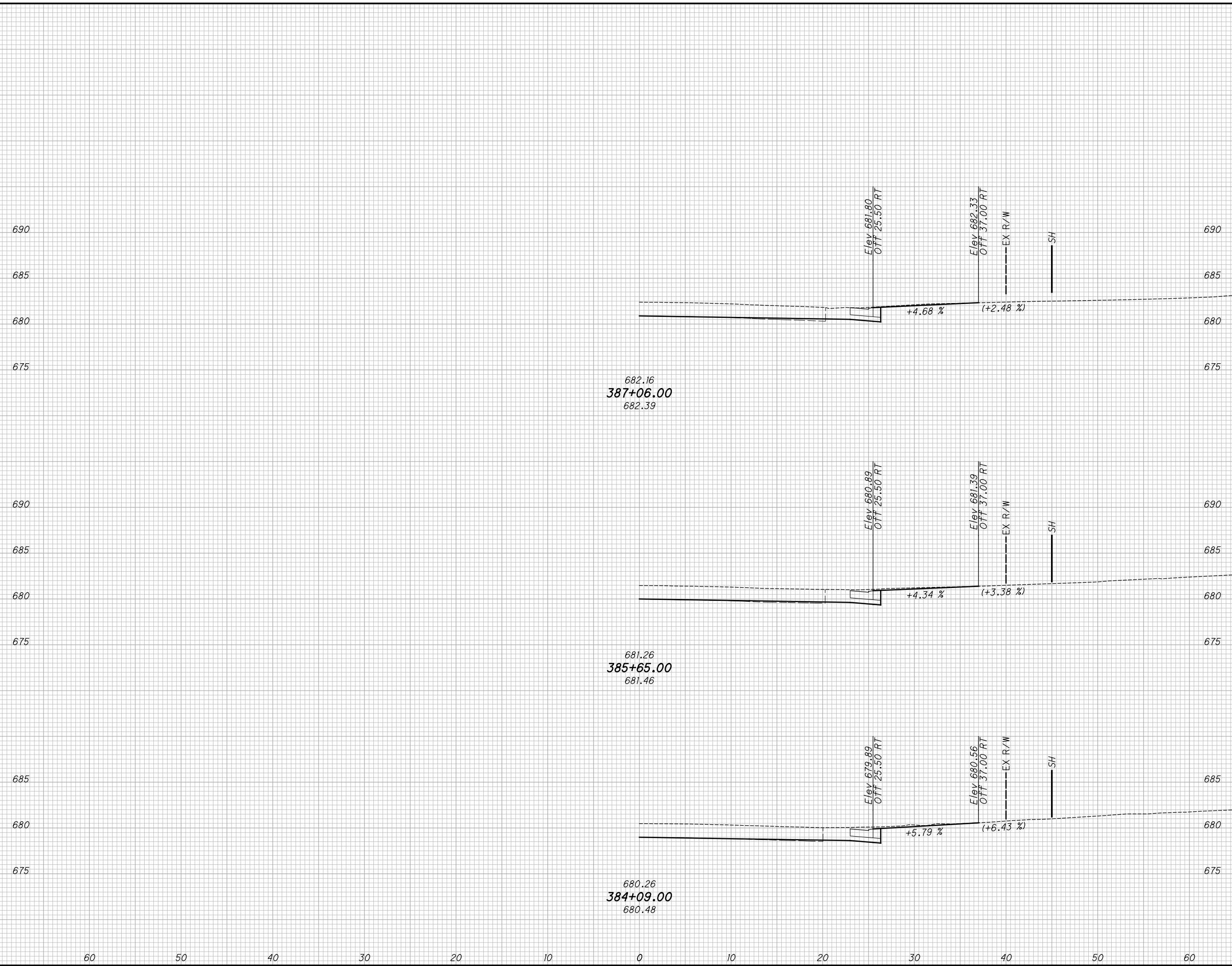


LAK-US-20-19.59  
PART 1  
DRIVEWAY PROFILES U.S. 20  
STA. 380+19.00 TO STA. 382+80.84

840  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED JMP	CHECKED WDB

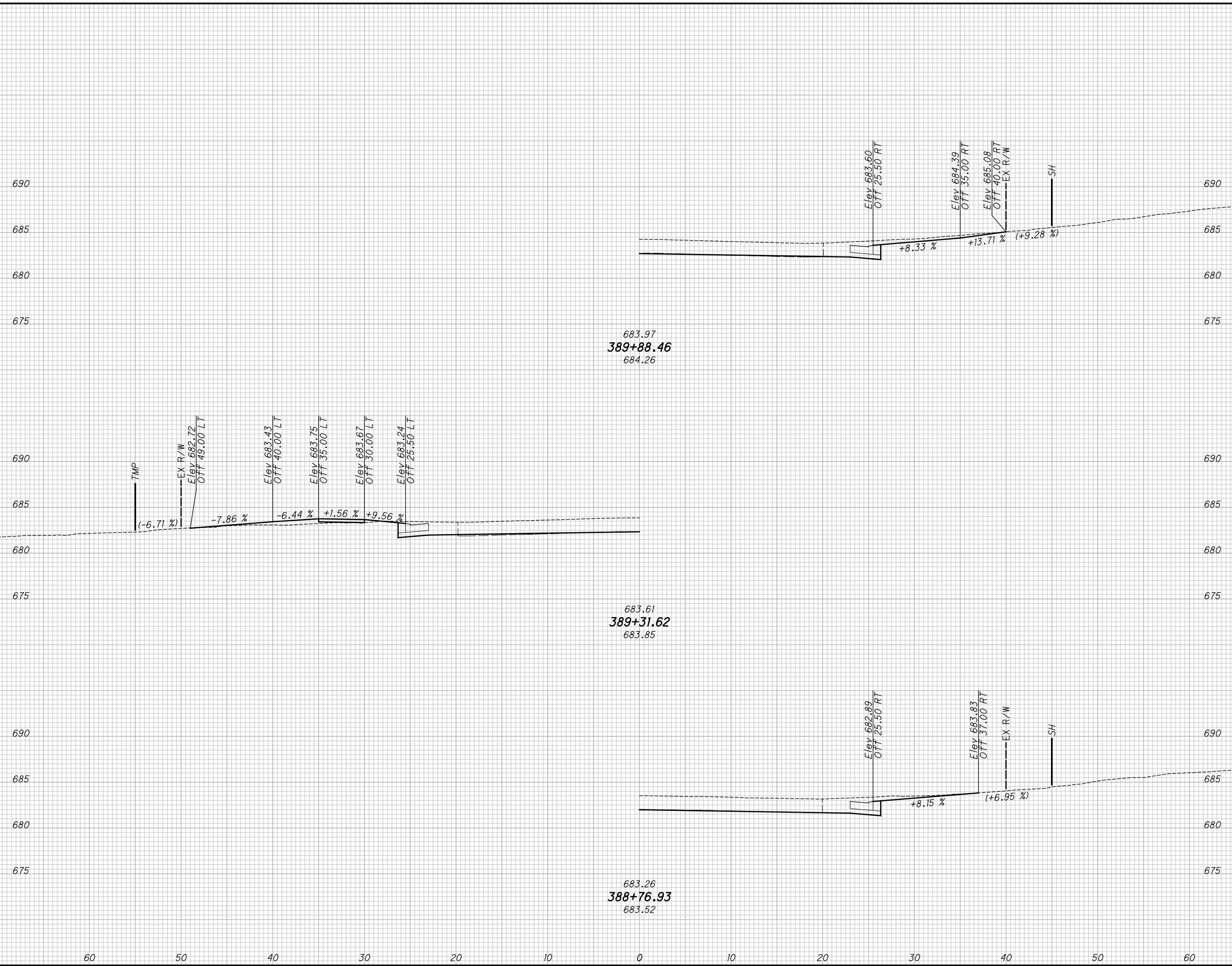
**DRIVEWAY PROFILES U.S. 20**  
**STA. 384+09.00 TO STA. 387+06.00**

**LAK-US-20-19.59**  
**PART 1**

841  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

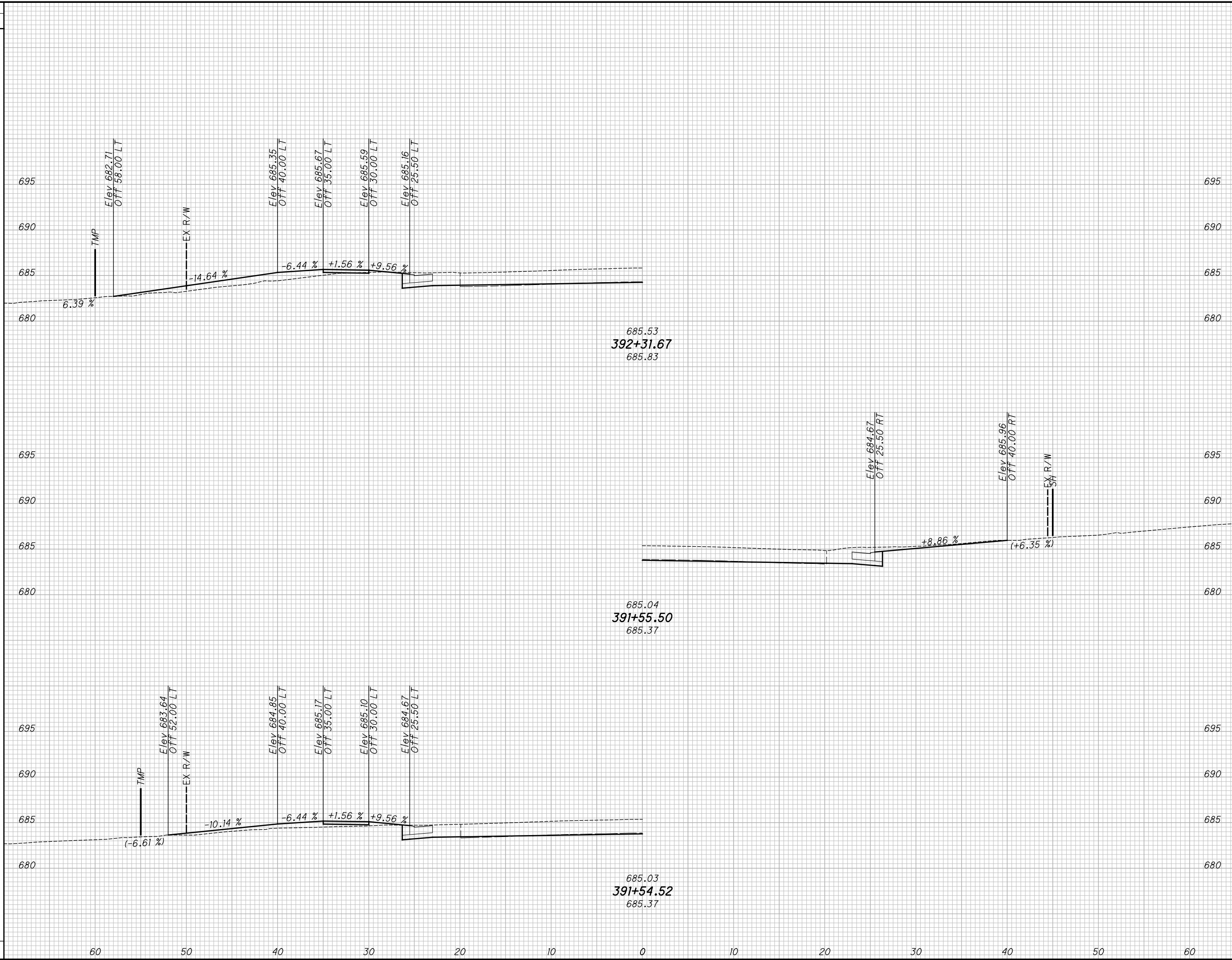
**DRIVEWAY PROFILES U.S. 20**  
**STA. 388+76.93 TO STA. 389+88.46**

**LAK-US-20-19.59**  
**PART 1**

842  
1253

H:\2018\80743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\Roadway\Sheets\08665\_XS101.dgn XS\_SHEET\_temporary\_model\_name\_82 7/15/2022 3:24:57 PM Troyer

SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20**  
**STA. 391+54.52 TO STA. 392+31.67**

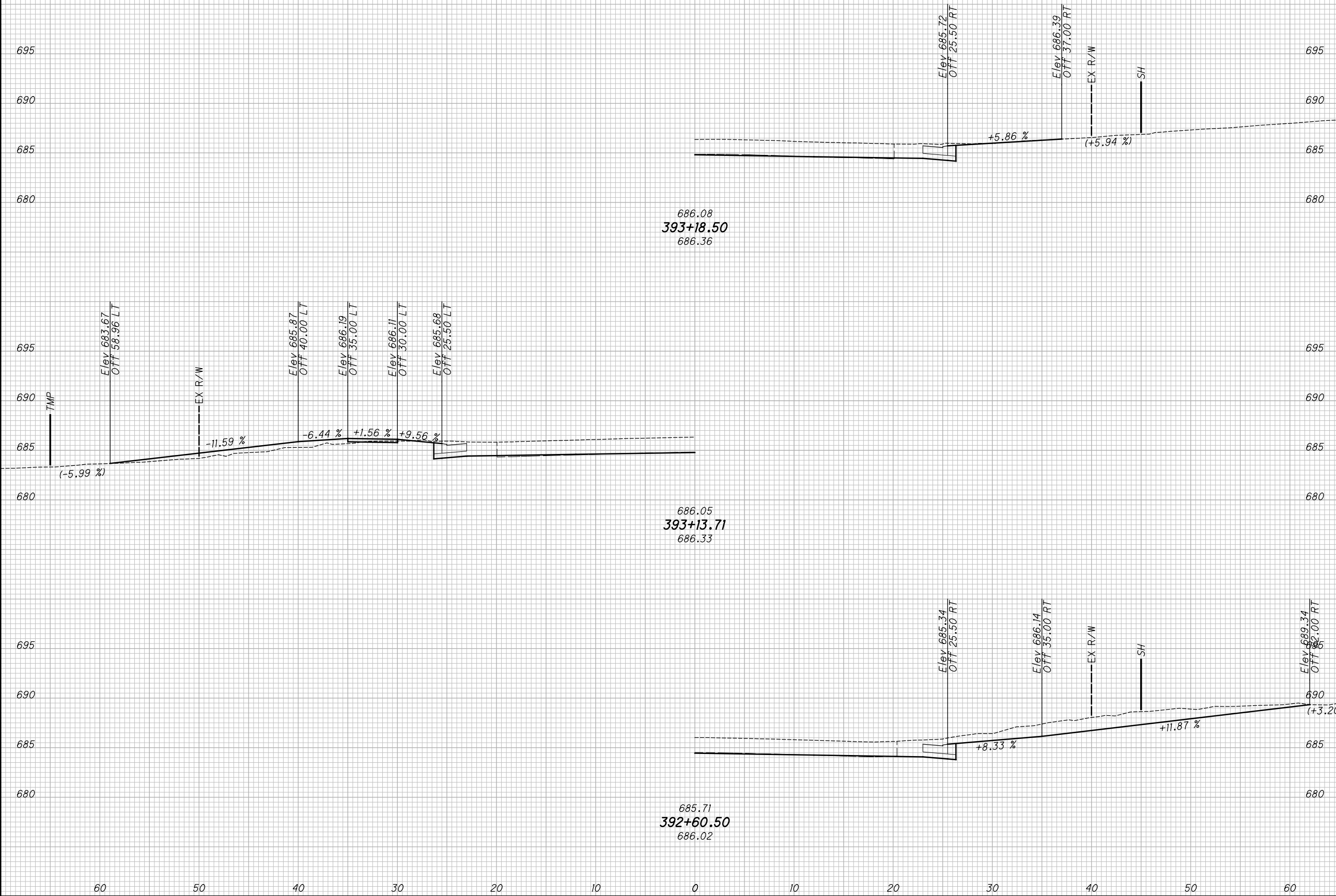
**LAK-US-20-19.59**  
**PART 1**

843
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA VOLUME  
CUT FILL CUT FILL  
CALCULATED  
JMP  
CHECKED  
WDB



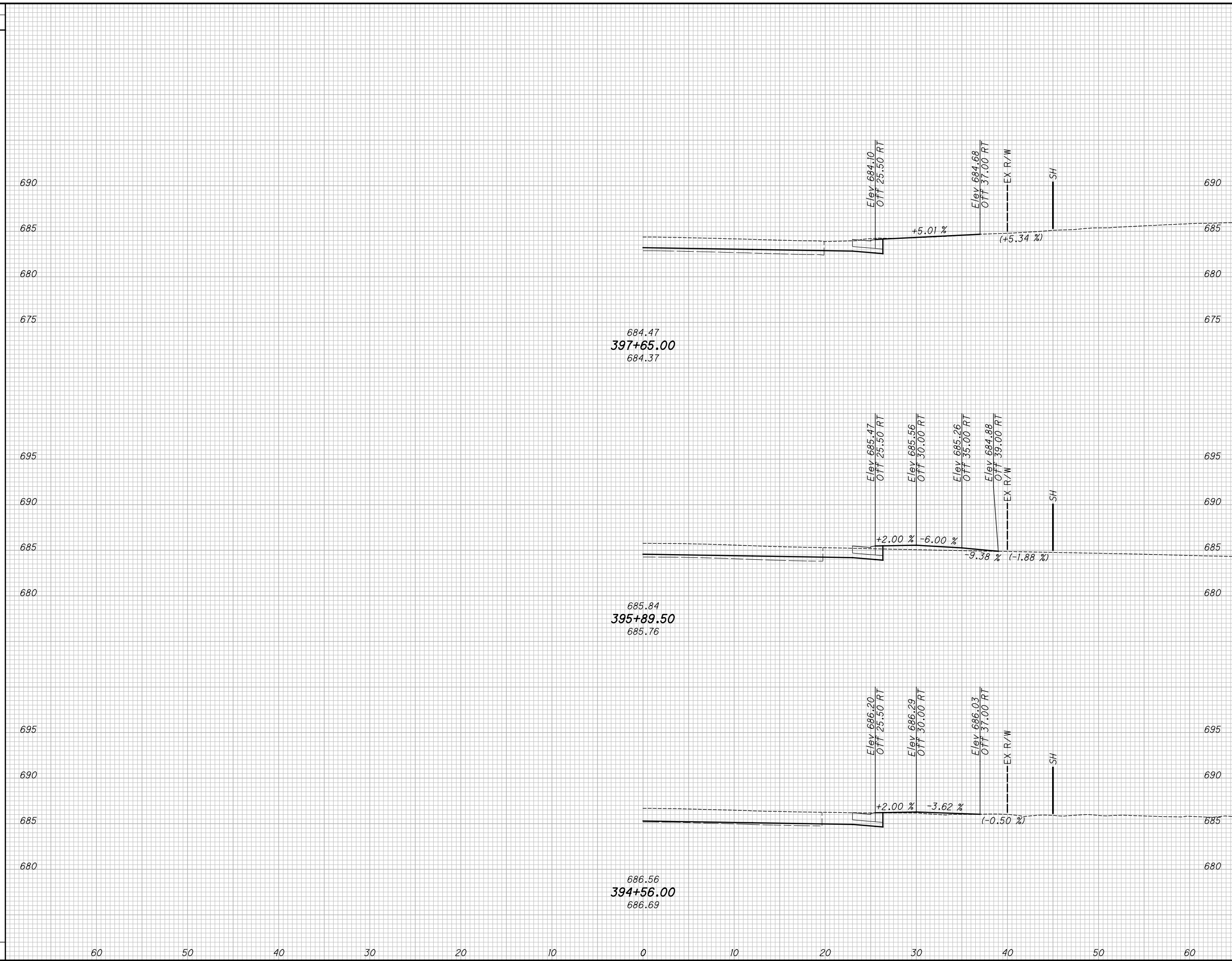
DRIVEWAY PROFILES U.S. 20  
STA. 392+60.50 TO STA. 393+18.50

LAK-US-20-19.59  
PART 1

844  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		

**DRIVEWAY PROFILES U.S. 20**  
**STA. 394+56.00 TO STA. 397+65.00**

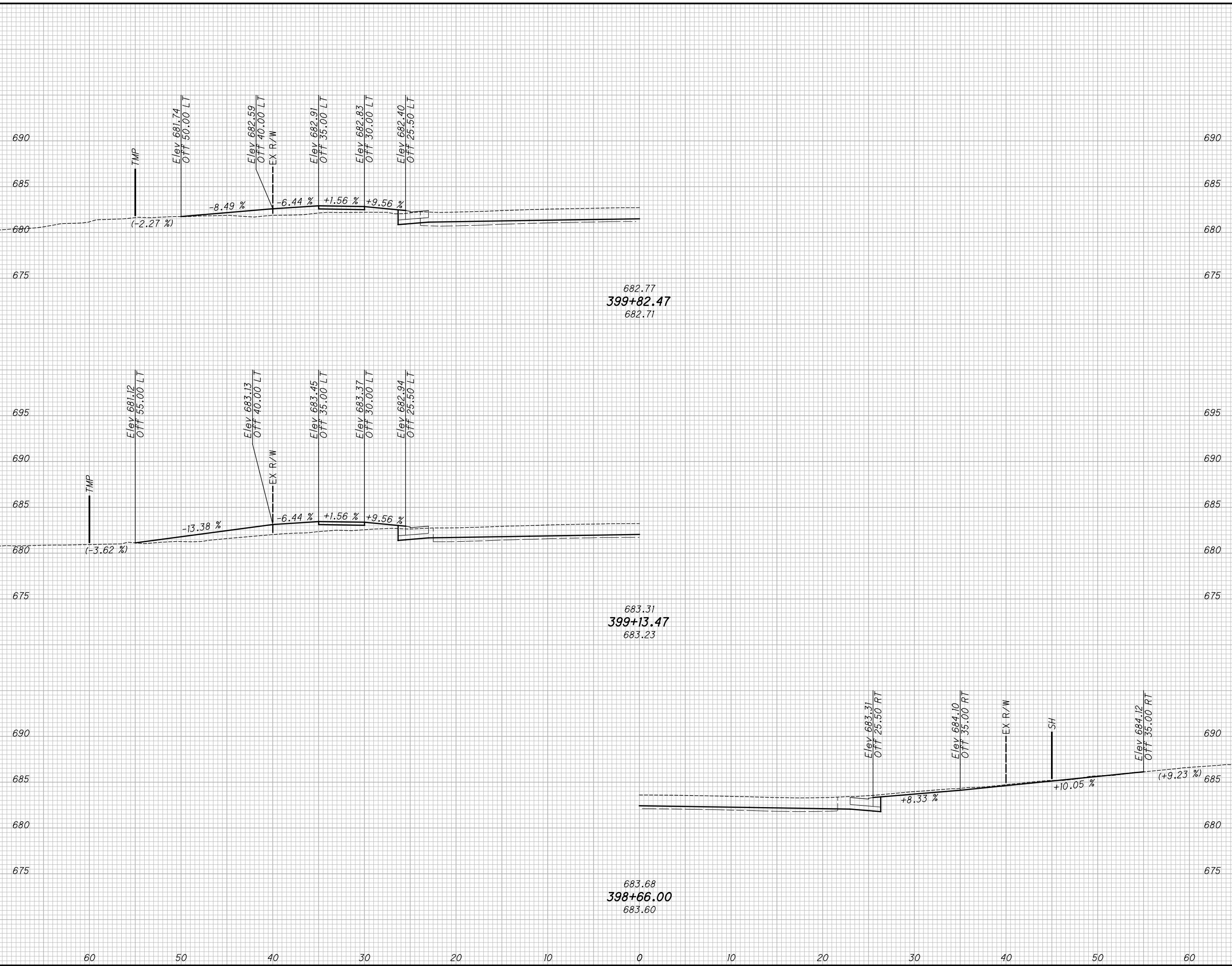
**LAK-US-20-19.59**  
**PART 1**

845  
1253



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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

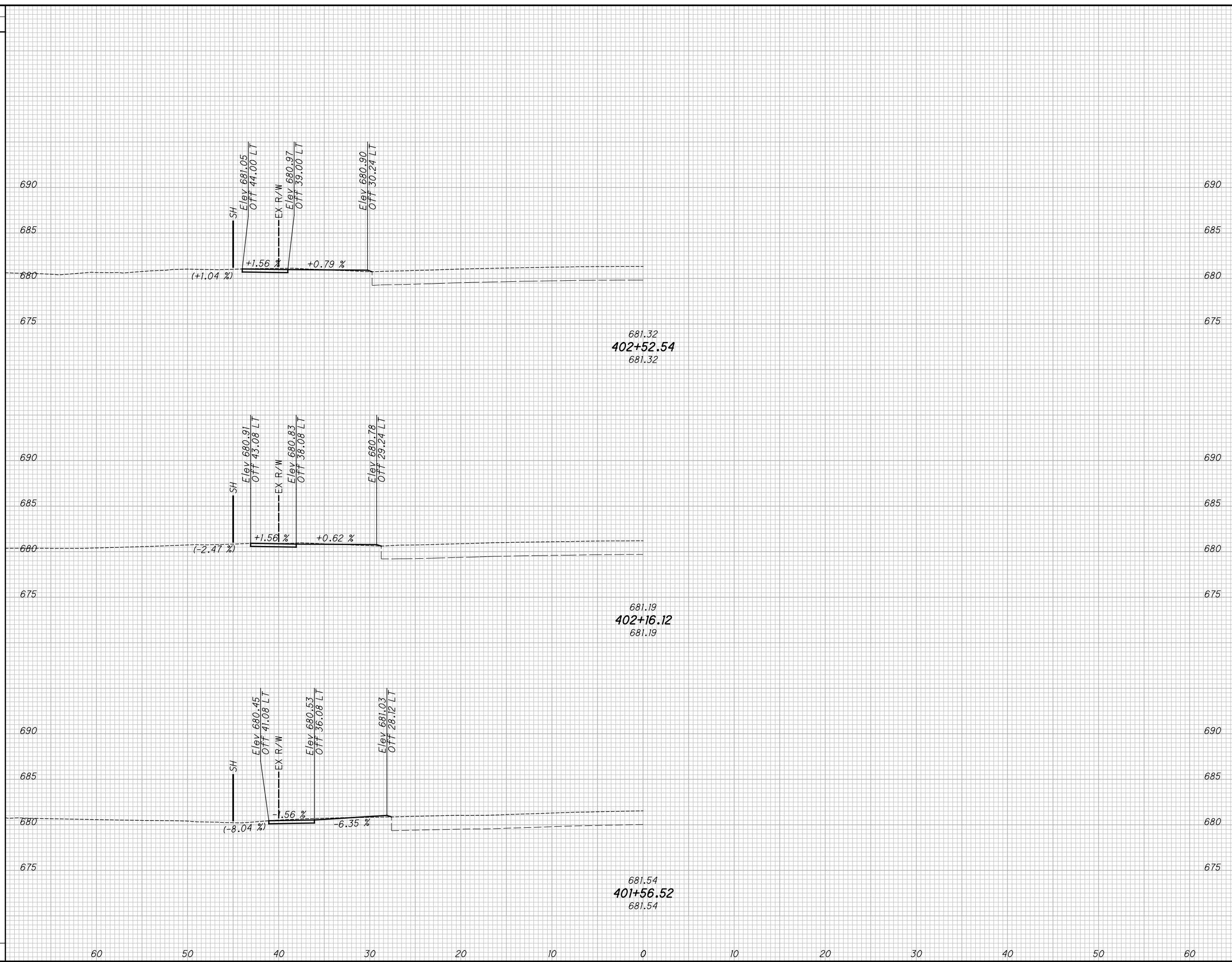
CALCULATED JUMP	CHECKED WDB

**DRIVEWAY PROFILES U.S. 20**  
**STA. 398+64.03 TO STA. 399+82.47**

**LAK-US-20-19.59**  
**PART 1**

846  
1253

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END AREA	VOLUME	CALCULATED JUMP	CHECKED WDB

**LAK-US-20-19.59  
PART 1**

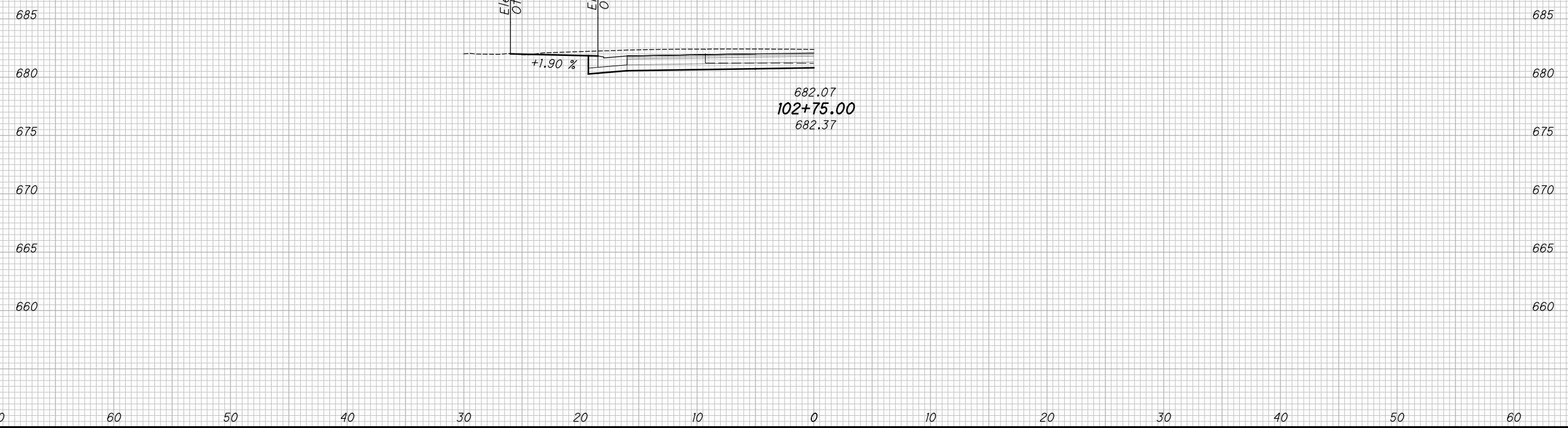
**DRIVEWAY PROFILES U.S. 20  
STA. 401+56.52 TO STA. 402+52.54**

847  
1253

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SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		



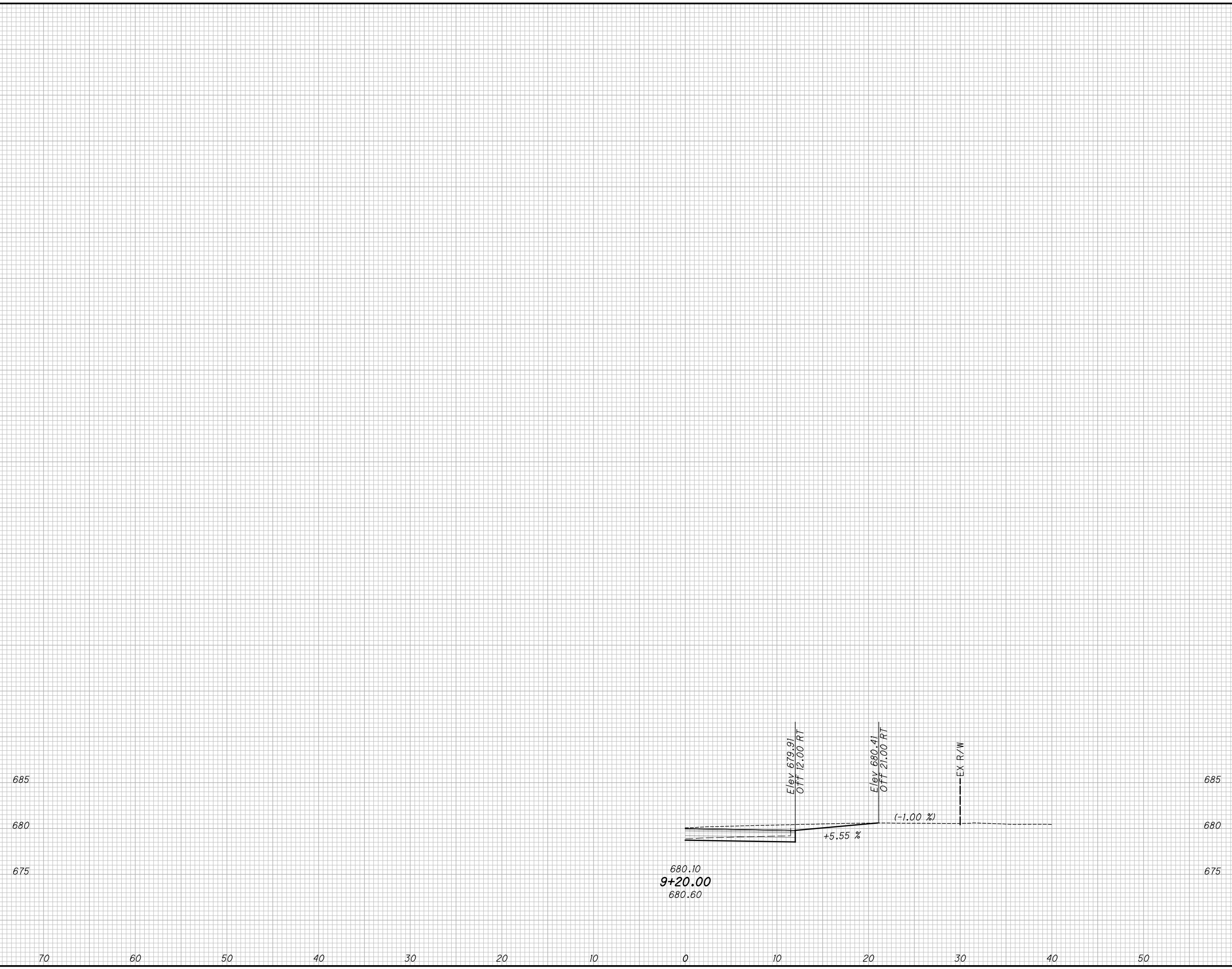
**DRIVE PROFILES  
BLASE NEMETH**

**LAK-US-20-19.59  
PART 1**

848  
1253

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SEEDING	
END WIDTH	SO. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	TLS
	CHECKED
LAK-US-20-19.59 PART 1	DRIVE PROFILE OHIO STREET

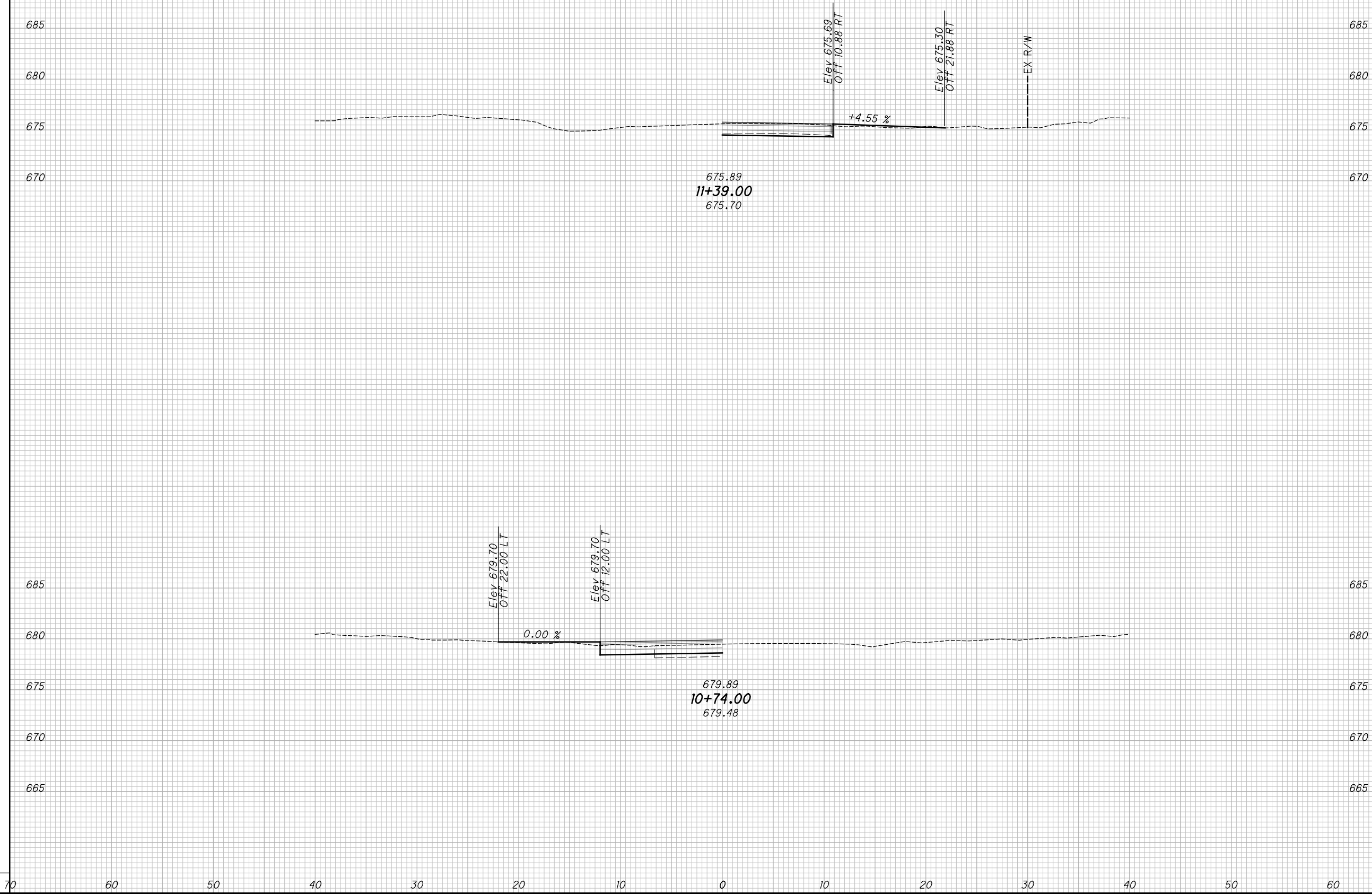
849  
1253

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SEEDING

END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		



**DRIVE PROFILES  
PERRY PARK ROAD**

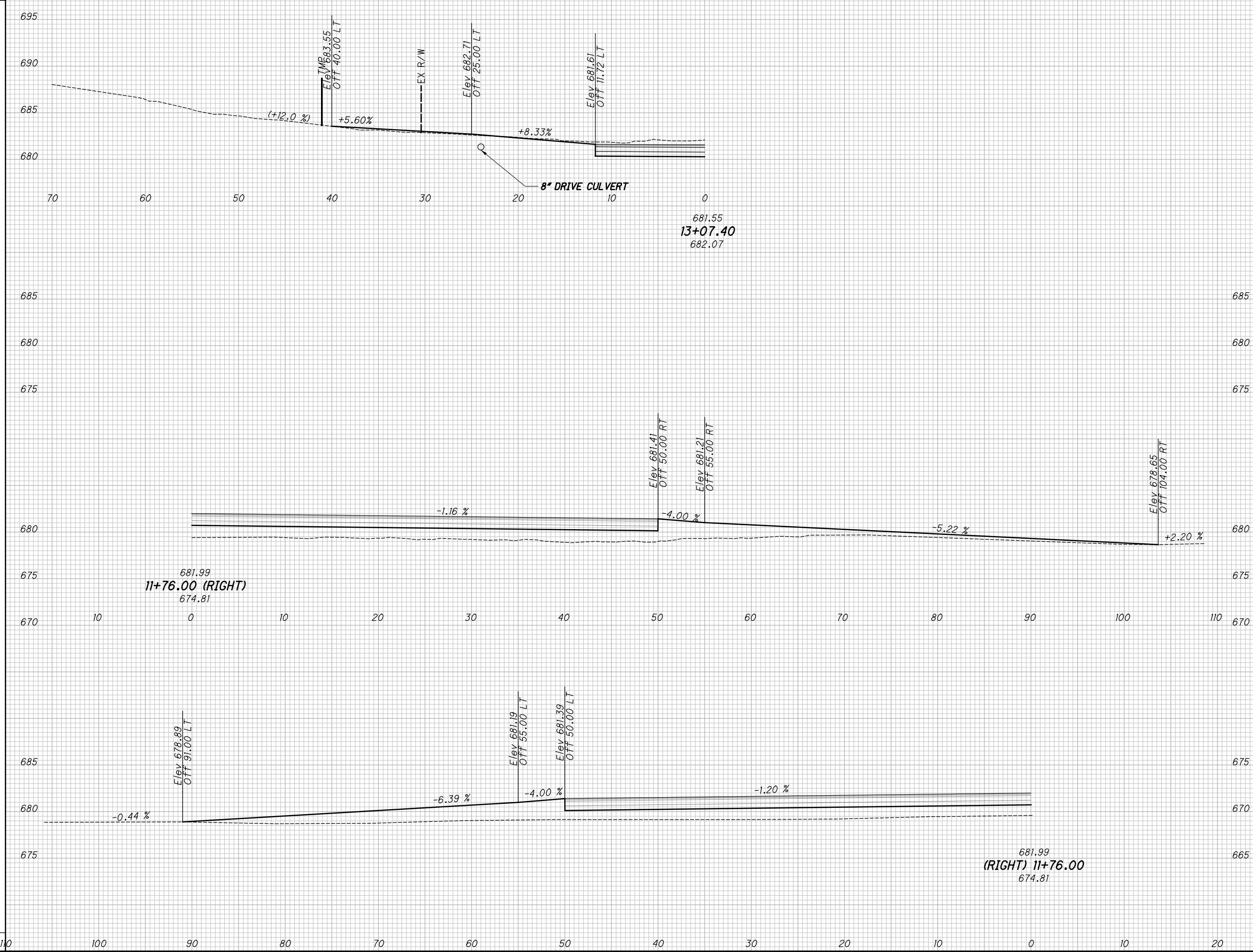
**LAK-US-20-19.59  
PART 1**

850  
1253

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SEEDING  
END SO.  
WIDTH YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	TLS	JMP



DRIVE PROFILES  
MIDDLE RIDGE ROAD

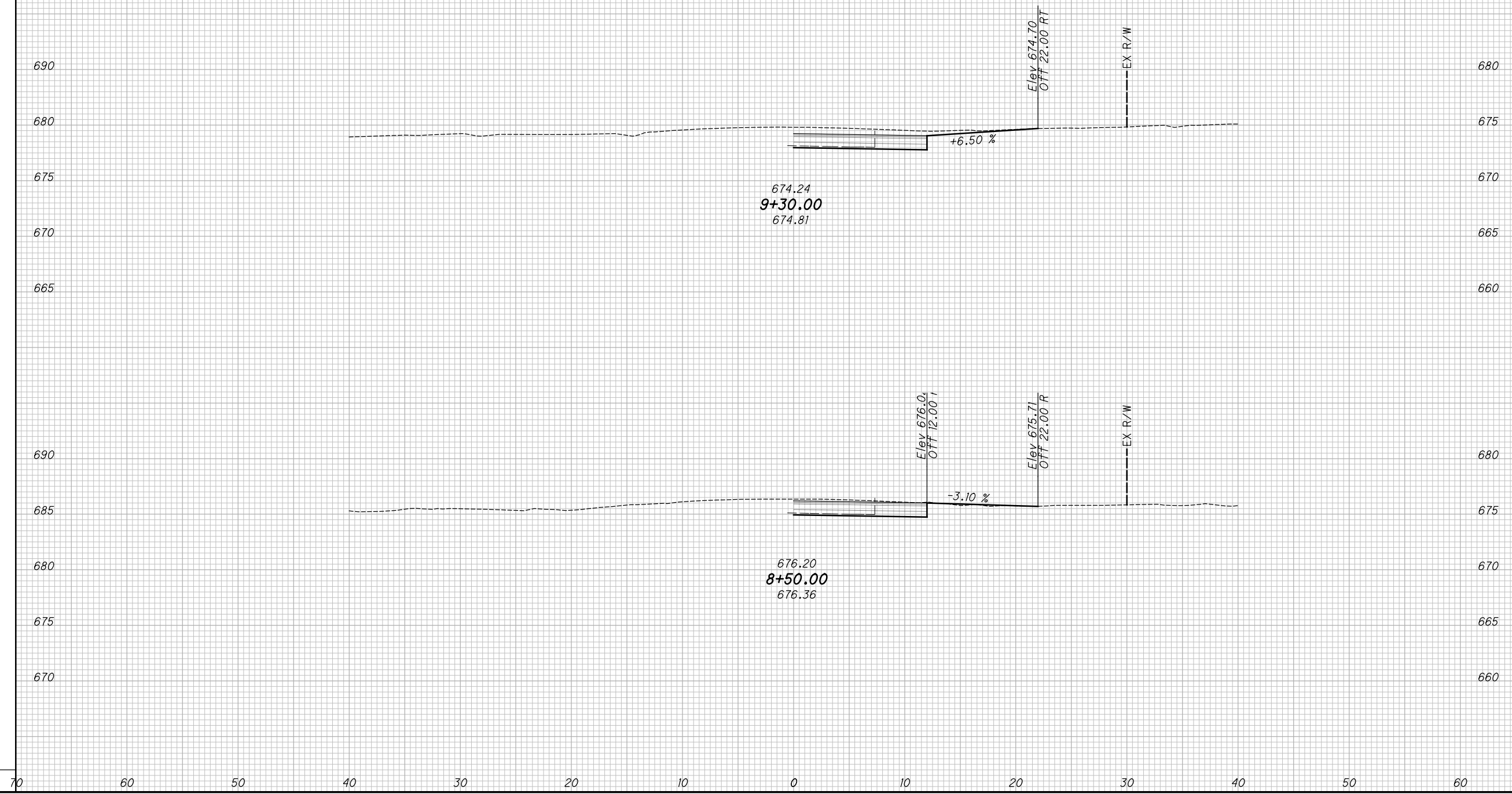
LAK-US-20-19.59  
PART 1

851  
1253

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SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		



**DRIVE PROFILES  
CALL ROAD**

**LAK-US-20-19.59  
PART 1**

852  
1253

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SEEDING	
END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED TLS	CHECKED JMP
CUT	FILL	CUT	FILL		



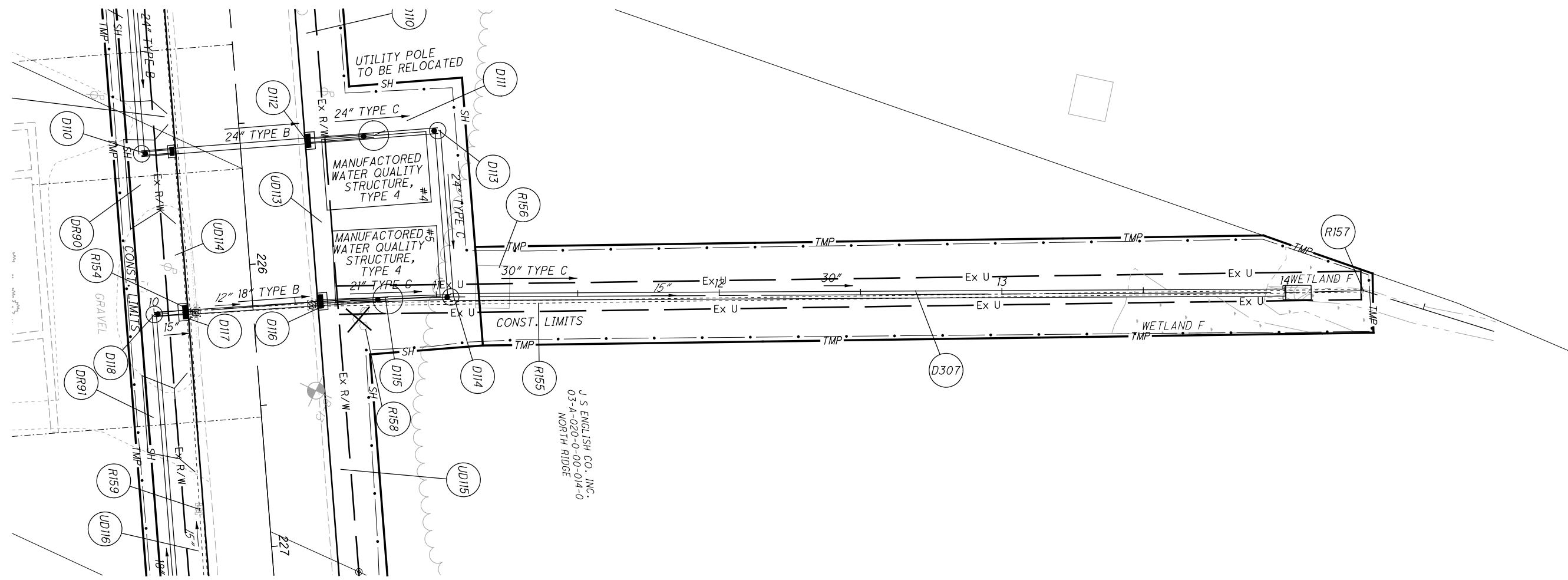
**DRIVE PROFILES  
ANTIOCH ROAD**

**LAK-US-20-19.59  
PART 1**

853  
1253



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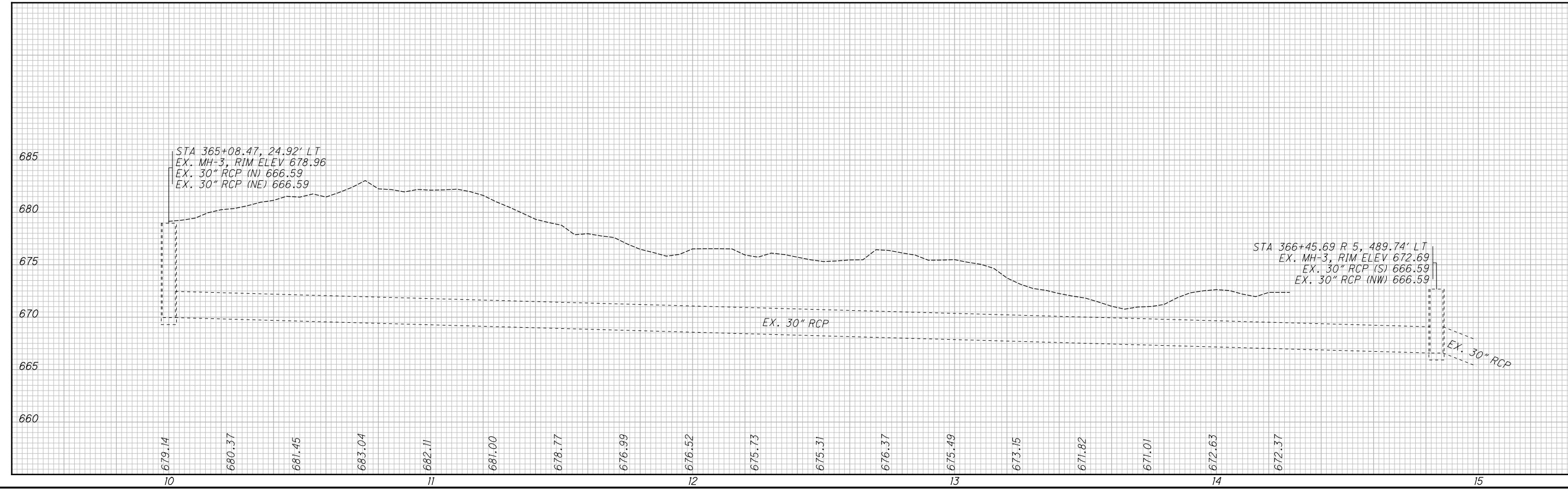
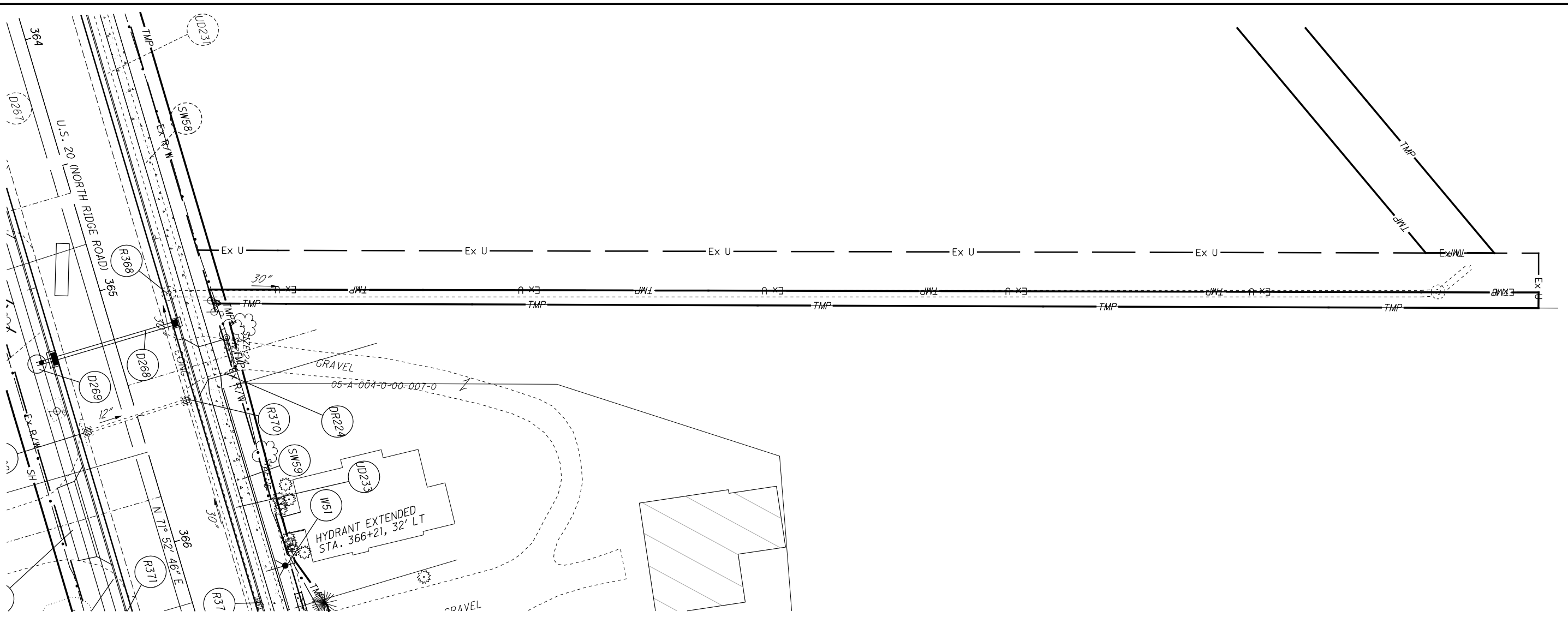


PLAN AND PROFILE - STORM SEWER  
STA. 226+15

LAK-US-20-19.59  
PART 1

854  
1253

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CALCULATED  
SHT  
CHECKED  
XXX

0 20 40  
HORIZONTAL  
SCALE IN FEET

**PLAN AND PROFILE - STORM SEWER**  
**STA. 365+00.00 LT**

**LAK-US-20-19.59**  
**PART 1**

855  
1253

GENERAL NOTES

DESIGN SPECIFICATIONS: THIS STANDARD DRAWING CONFORMS TO THE 8TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2017 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN DATA: THE FOLLOWING DESIGN DATA IS ASSUMED:

INTERNAL ANGLE OF FRICTION OF BACKFILL SOIL,  $\phi_{bf} = 30^\circ$   
 TOTAL UNIT WEIGHT OF BACKFILL SOIL = 120 PCF  
 INTERNAL ANGLE OF FRICTION (DRAINED), FOUNDATION SOIL,  $\phi_f = 30^\circ$   
 UNDRAINED SHEAR STRENGTH (COHESIVE), FOUNDATION SOIL,  $S_{uf} = 1500$  PSF  
 UNIT WEIGHT OF CONCRETE = 150 PCF  
 SLOPE OF BACKFILL = 2:1 (TYPE A & B HEADWALLS)  
 HEIGHT OF LIVE LOAD SURCHARGE = 2 FT (TYPE C HEADWALLS)

CONCRETE - COMPRESSIVE STRENGTH 4000 PSI  
 (FOOTING, WINGWALL AND FORESLOPE WALL)

REINFORCING STEEL - ASTM A615, A616, OR A617  
 GRADE 60 MINIMUM YIELD STRENGTH  
 60,000 PSI (ALL REINFORCING SHALL BE  
 EPOXY COATED)

BASED ON THE ASSUMED DESIGN DATA, THE WINGWALLS ACHIEVE FACTORED BEARING RESISTANCES THAT ARE GREATER THAN THEIR RESPECTIVE BEARING PRESSURES. IF A BACKFILL MATERIAL WITH A HIGHER INTERNAL ANGLE OF FRICTION OR A LIGHTER TOTAL UNIT WEIGHT IS USED; OR IF A FOUNDATION SOIL WITH A HIGHER DRAINED INTERNAL ANGLE OF FRICTION OR A HIGHER UNDRAINED SHEAR STRENGTH IS ENCOUNTERED; THEN THE STABILITY OF THE WINGWALLS IS SATISFACTORY.

EXISTING STRUCTURE VERIFICATION:  
 DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM FIELD OBSERVATIONS AND MEASUREMENTS AND FROM ODOT ARCHIVED BOX CULVERT DESIGN DATA DRAWING LBC-33 (REVISED 3/8/39). CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05 AND 105.02. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN:  
 THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES THAT ARE NOT SEPARATELY LISTED FOR PAYMENT. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES AND/OR HEADACHE BALLS WILL NOT BE PERMITTED. IF HOE RAMS ARE USED, THEY SHALL NOT BE PLACED ABOVE THE EXISTING BOX CULVERT'S ROOF SLAB (TO REMAIN). THE METHOD OF REMOVAL SHALL BE APPROVED BY THE ENGINEER. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

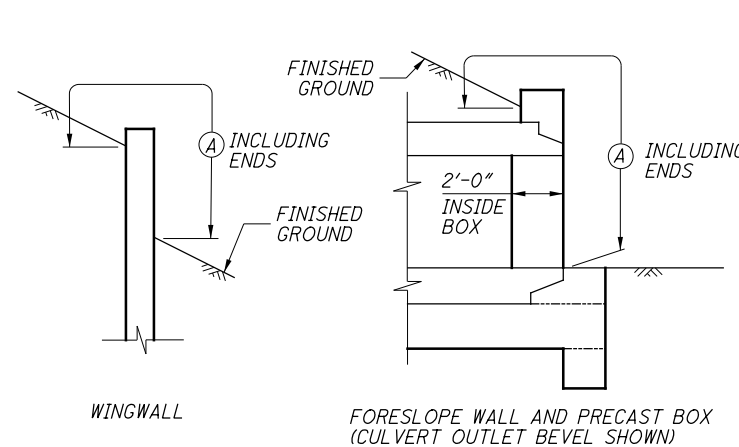
CUT LINE JOINT PREPARATION:  
 SAW CUT THE BUTT JOINT BETWEEN THE EXISTING CONCRETE BOX CULVERT AND THE PROPOSED PRECAST CONCRETE BOX UNIT FULL DEPTH. PRIOR TO ERECTING THE PRECAST CONCRETE BOX UNITS, ABRASIVELY CLEAN THE CUT JOINT SURFACE TO REMOVE LOOSE DISINTEGRATED CONCRETE. THOROUGHLY CLEAN THE BUTT JOINT SURFACE AND ALL SLICED REINFORCEMENT ENDS OF ALL DIRT, DUST, RUST, OR OTHER FOREIGN MATERIAL BY THE USE OF AIR UNDER PRESSURE. THOROUGHLY DRENCH THE CONCRETE BOX WALLS AND ROOF SLAB ON BOTH SIDES OF THE BUTT JOINT WITH CLEAN WATER AND ALLOW TO DRY TO A DAMP CONDITION BEFORE PLACING THE PROPOSED COLLAR CONCRETE.

POROUS BACKFILL WITH FILTER FABRIC: 1'-6" THICK SHALL BE PLACED BEHIND THE WINGWALLS ONLY AND SHALL EXTEND TO 12" BELOW THE EMBANKMENT SURFACE. GEOTEXTILE FABRIC SHALL BE PLACED BETWEEN THE POROUS BACKFILL AND REPLACED EXCAVATION ADJACENT TO THE STRUCTURE. IT SHALL TURN UNDER THE BOTTOM OF THE POROUS BACKFILL AND RETURN 6" ABOVE THE TOP ELEVATION OF THE WEEPHOLE.

WEEPHOLES SHALL BE PLACED 6" TO 12" ABOVE THE NORMAL WATER ELEVATION OR GROUND LINE AND SHALL HAVE A MAXIMUM SPACING OF 10'-0". A MINIMUM OF ONE WEEPHOLE SHALL BE PROVIDED PER WINGWALL.

PERFORMED EXPANSION JOINT FILLER: PERFORMED EXPANSION JOINT FILLER (PEJF) CONFORMING TO CMS 705.03, 1 INCH THICK, SHALL BE PLACED ABOVE THE FOOTING BETWEEN THE SIDES OF THE BOX CULVERT AND THE ENDS OF THE WINGWALLS. PAYMENT FOR MATERIALS AND INSTALLATION SHALL BE INCLUDED WITH ITEM 516 - 1" PERFORMED EXPANSION JOINT FILLER.

SEALING OF FORESLOPE WALL AND WINGWALLS: ALL EXPOSED FORESLOPE WALL AND WINGWALL CONCRETE SHALL BE SEALED WITH EPOXY-URETHANE SEALER. THE LIMITS SHALL BE AS SHOWN IN THE DIAGRAMS BELOW. PAYMENT FOR THE EPOXY-URETHANE SEALER SHALL BE PER ITEM 512 - SEALING OF CONCRETE SURFACES.



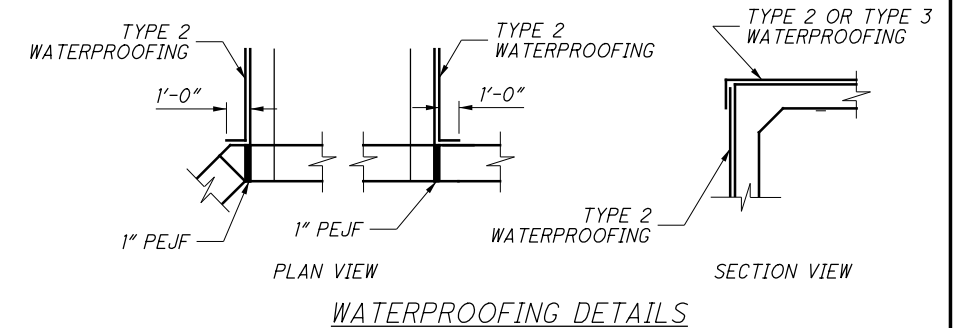
LIMITS OF ITEM 512-SEALING CONCRETE SURFACES

(A) - SEAL ENTIRE CONCRETE SURFACE AREA

WATERPROOFING: TYPE 2 WATERPROOFING, PER CMS 512.09 AND 711.25, SHALL EXTEND VERTICALLY DOWN THE ENTIRE SIDES OF THE PRECAST CULVERT SECTIONS FOR ALL PORTIONS OF THE CULVERT WHICH SHALL BE IN CONTACT WITH THE BACKFILL. PAYMENT FOR THE MEMBRANE WATERPROOFING SHALL BE AT THE CONTRACT PRICE BID PER SQUARE YARD FOR ITEM 512 - TYPE 2 WATERPROOFING.

IF PAVEMENT IS NOT PLACED DIRECTLY ON TOP OF THE CULVERT, TYPE 2 WATERPROOFING, PER CMS 512.09 AND 711.25 SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE PRECAST CULVERT SECTIONS AND SHALL EXTEND ONE FOOT VERTICALLY DOWN THE SIDES FOR ALL PORTIONS OF THE CULVERT WHICH SHALL BE IN CONTACT WITH THE BACKFILL. PAYMENT FOR THE MEMBRANE WATERPROOFING SHALL BE AT THE CONTRACT PRICE BID PER SQUARE YARD FOR ITEM 512 - TYPE 2 WATERPROOFING.

IF PAVEMENT IS TO BE USED DIRECTLY ON TOP OF THE CULVERT, TYPE 3 WATERPROOFING, PER CMS 512.10 AND 711.29 SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE PRECAST CULVERT SECTIONS AND SHALL EXTEND ONE FOOT VERTICALLY DOWN THE SIDES FOR ALL PORTIONS OF THE CULVERT WHICH SHALL BE IN CONTACT WITH THE BACKFILL. PAYMENT FOR THE MEMBRANE WATERPROOFING SHALL BE AT THE CONTRACT PRICE BID PER SQUARE YARD FOR ITEM 512 - TYPE 3 WATERPROOFING.



BASIS OF PAYMENT: ALL LABOR, EQUIPMENT AND INCIDENTALS REQUIRED TO CONSTRUCT THE FOOTING, CUTOFF WALL, WINGWALLS AND FORESLOPE WALL SHALL BE INCLUDED WITH APPLICABLE 511 ITEMS LISTED IN THE ESTIMATED QUANTITIES TABLE. PAYMENT FOR REINFORCING STEEL SHALL BE INCLUDED WITH ITEM 509 - EPOXY COATED REINFORCING STEEL.

ESTIMATED QUANTITIES - CFN 1864108				
ITEM	ITEM EXT	TOTAL	UNIT	DESCRIPTION
202	11201	LUMP		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
503	11100	LUMP		COFFERDAMS AND EXCAVATION BRACING *
503	21300	LUMP		UNCLASSIFIED EXCAVATION (WINGWALL FOOTING)
509	10000	2,705	LB	EPOXY COATED REINFORCING STEEL
510	10000	48	EACH	DOWEL HOLES WITH NON-SHRINK, NON-METALLIC GROUT *
511	46000	25	SY	CLASS QCI CONCRETE, RETAINING WALL/WINGWALL NOT INCLUDING FOOTING
511	46510	21	CY	CLASS QCI CONCRETE, FOOTING
511	46610	0.5	CY	CLASS QCI CONCRETE, HEADWALL
512	10100	31	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	33000	28	SY	TYPE 2 WATERPROOFING
516	13600	16	SF	1" PERFORMED EXPANSION JOINT FILLER
518	21230	LUMP		POROUS BACKFILL WITH GEOTEXTILE FABRIC
601	32104	9	CY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC
602	20000	7	CY	CONCRETE MASONRY *
611	94910	12	FT	8' x 6' CONDUIT, TYPE A, 706.05
613	41300	3	CY	LOW STRENGTH MORTAR BACKFILL (TYPE 2) *

\* - TO BE USED FOR CONSTRUCTING A PIPE COLLAR

NOTE: TOTALS CARRIED TO GENERAL SUMMARY SHEET

CALCULATED  
JPR  
CHECKED  
MLF

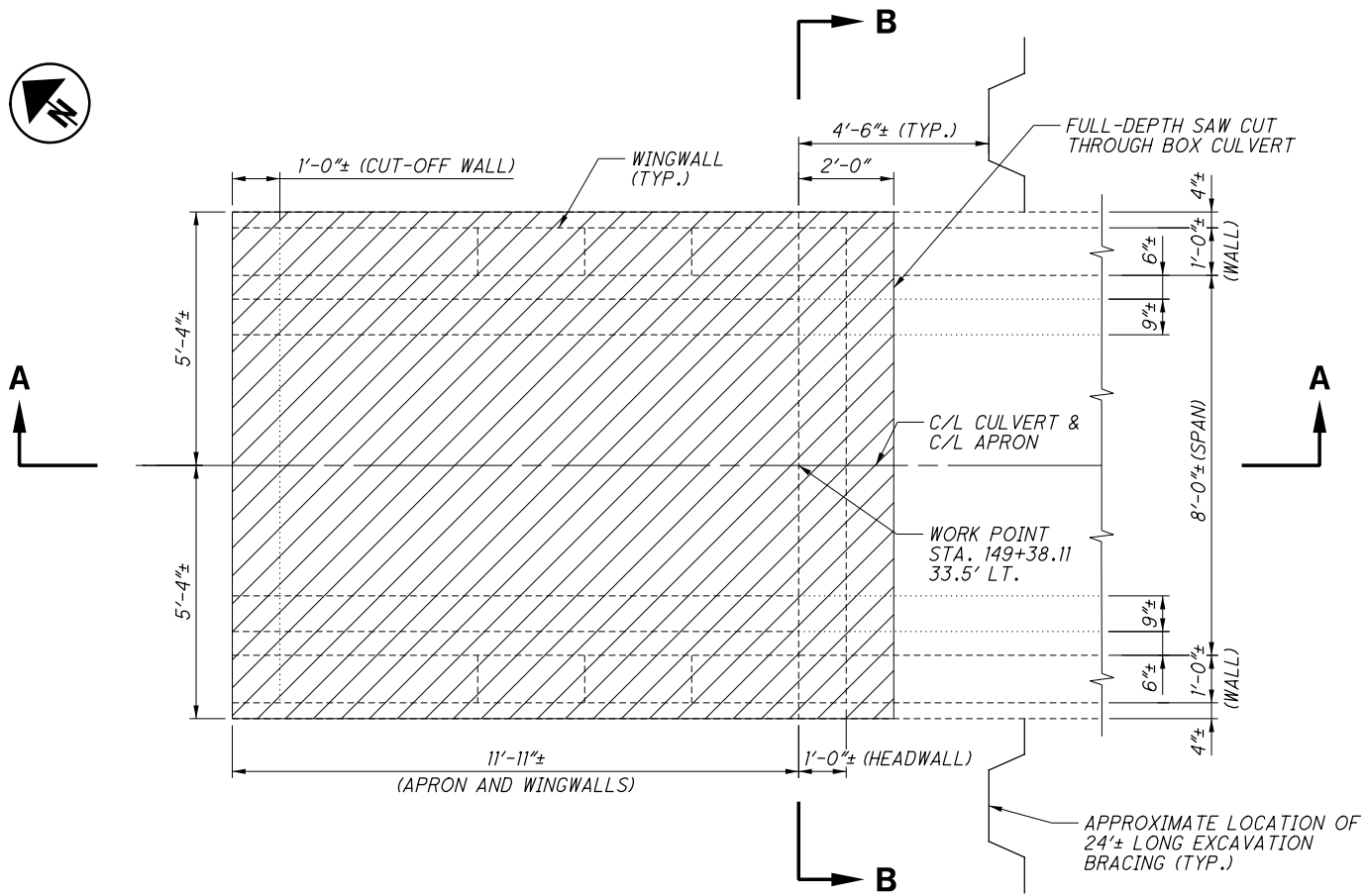
CULVERT NOTES & ESTIMATED QUANTITIES - STA. 149+38

LAK-20-19.59

SUBSET TOTAL  
1 | 6  
SHEET TOTAL  
856 | 1253

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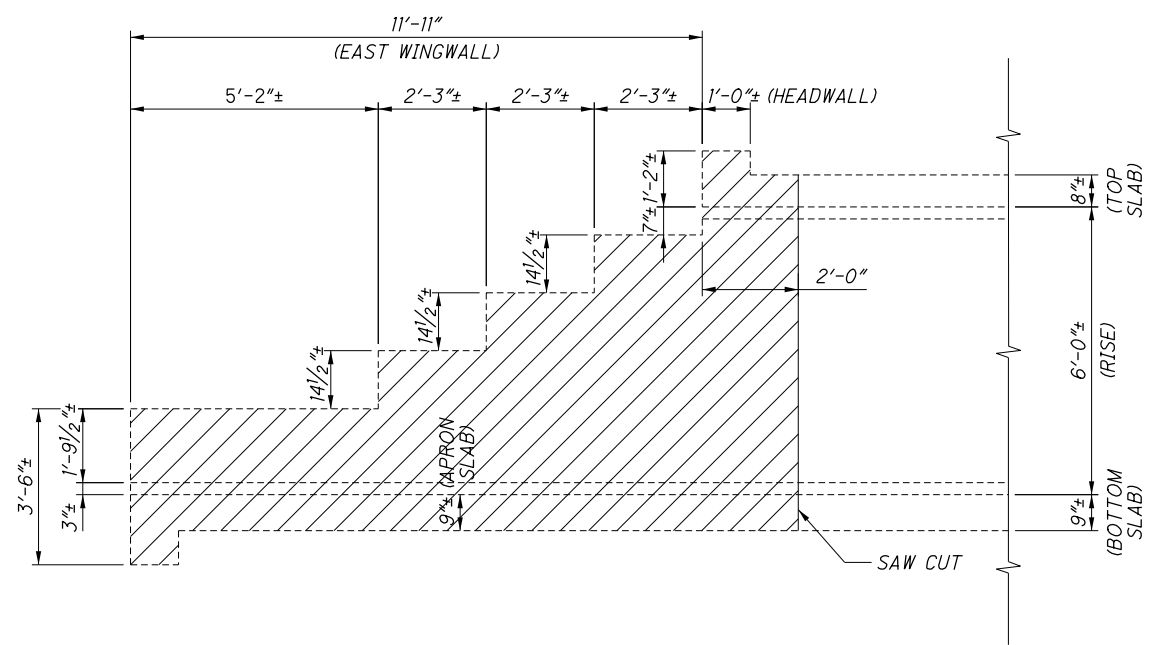


**NOTES:**

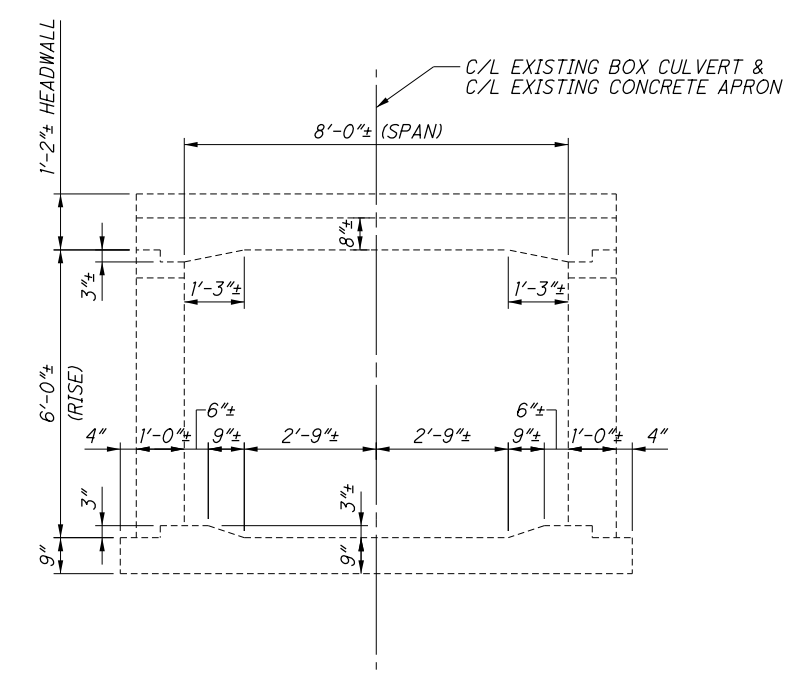
1) FOR PROPOSED PIPE COLLAR DETAILS SEE SHEET 3 OF 6.

**LEGEND:**

- INDICATES EXISTING CONCRETE REMOVAL PAYMENT IS UNDER ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN



**SECTION A-A**



**SECTION B-B**

(SHOWING FIELD-MEASURED DIMENSIONS (±) AND OTHER DIMENSIONS PER ODOT SCD LBC-33 (ARCHIVED))

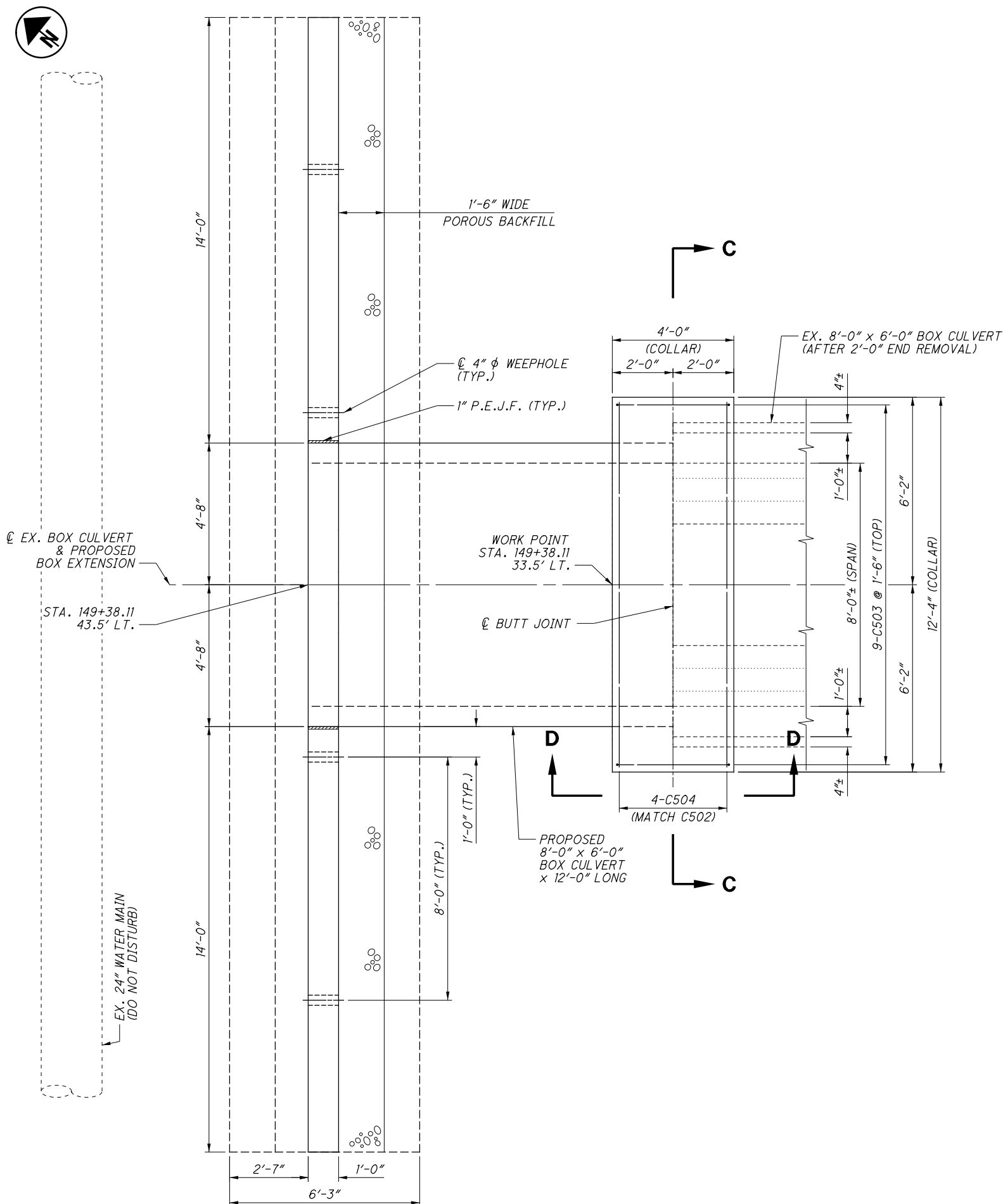
CALCULATED  
JPR  
CHECKED  
MLF

**CULVERT REMOVAL DETAILS - STA. 149+38**

**LAK-20-19.59**

SUBSET TOTAL	2	6
SHEET TOTAL	857	1253

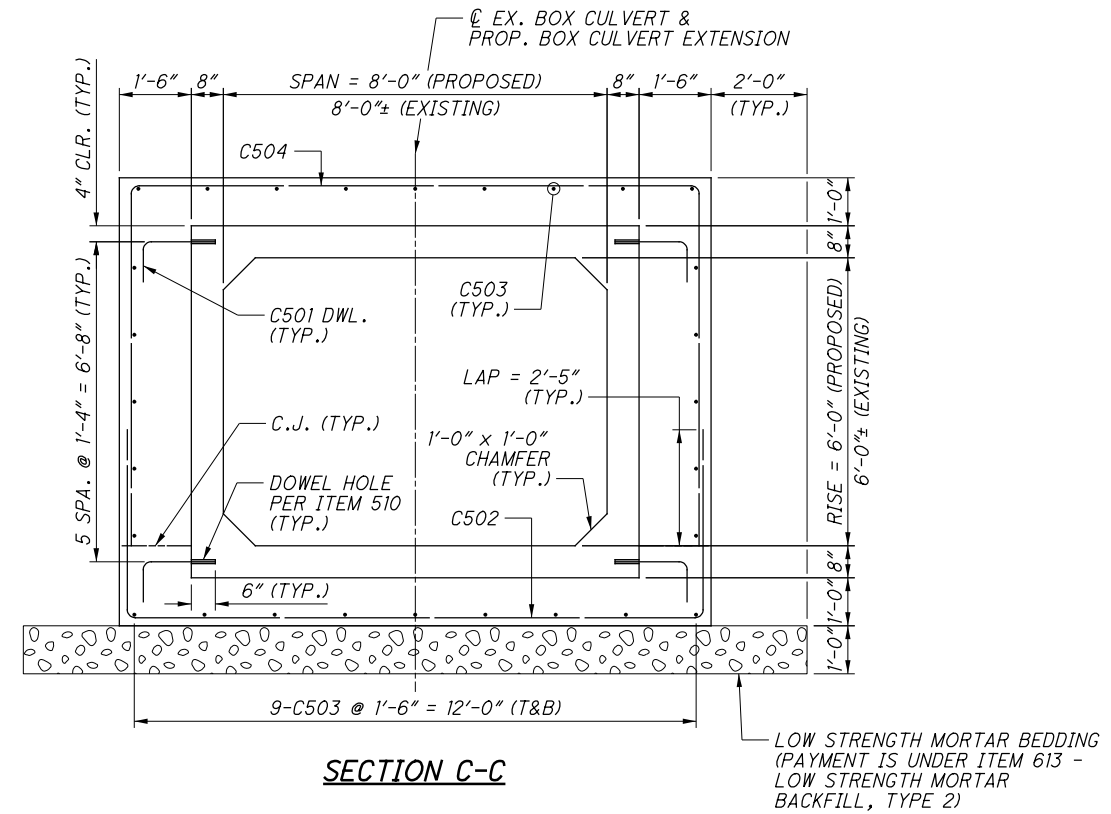
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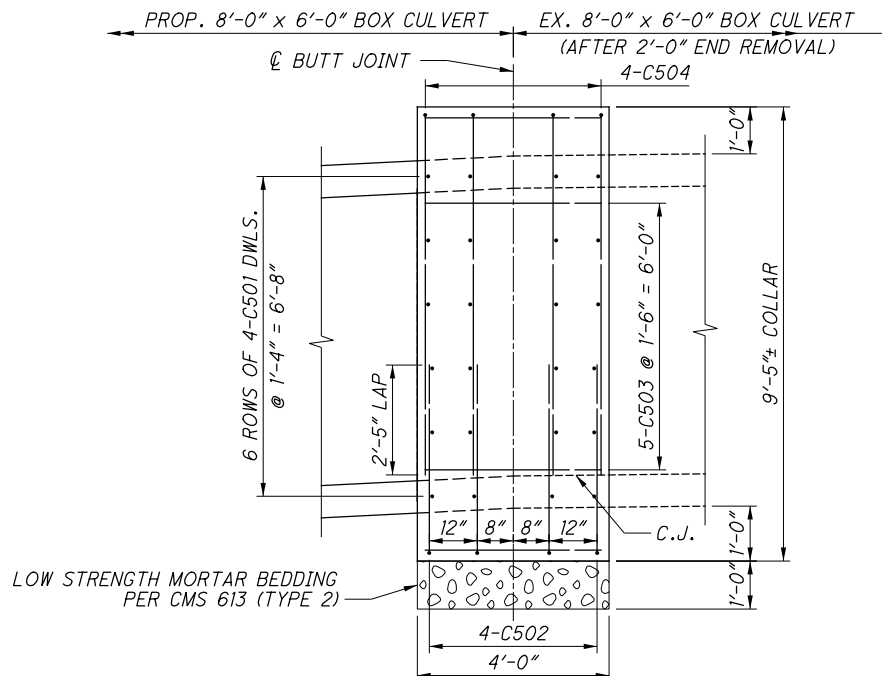
CULVERT EXTENSION & CONCRETE COLLAR PLAN

**NOTES:**

- 1) FOR CULVERT SECTION, SEE SHEET 526 OF 1253.
- 2) FOR CULVERT PARTIAL REMOVAL DETAILS, SEE SHEET 2 OF 6.
- 3) FOR PROPOSED HEADWALL DETAILS, SEE SHEETS 4 & 5 OF 6.



SECTION C-C



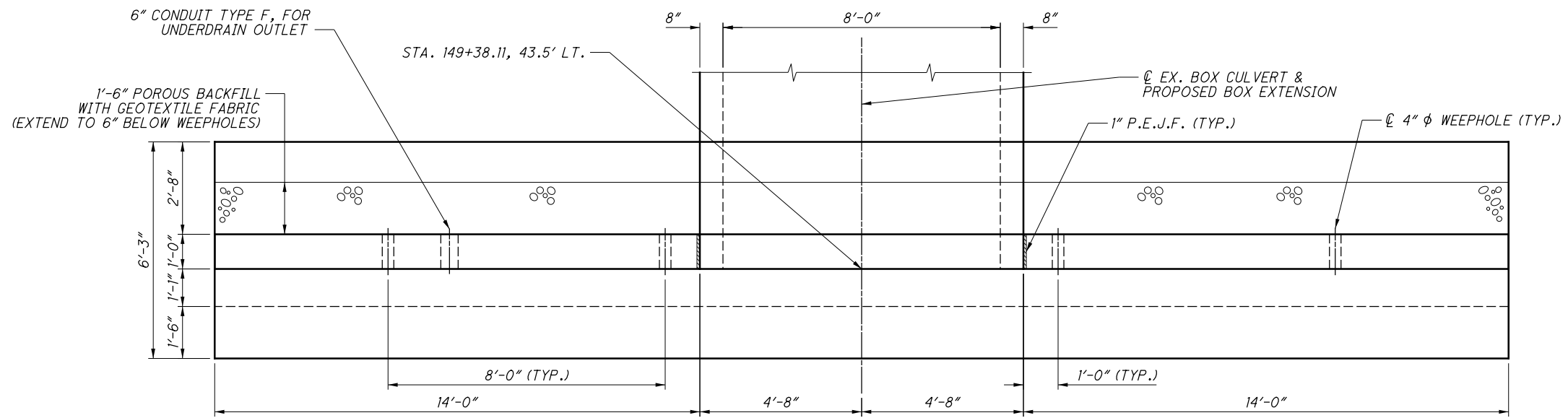
SECTION D-D

CALCULATED  
JPR  
CHECKED  
MLF

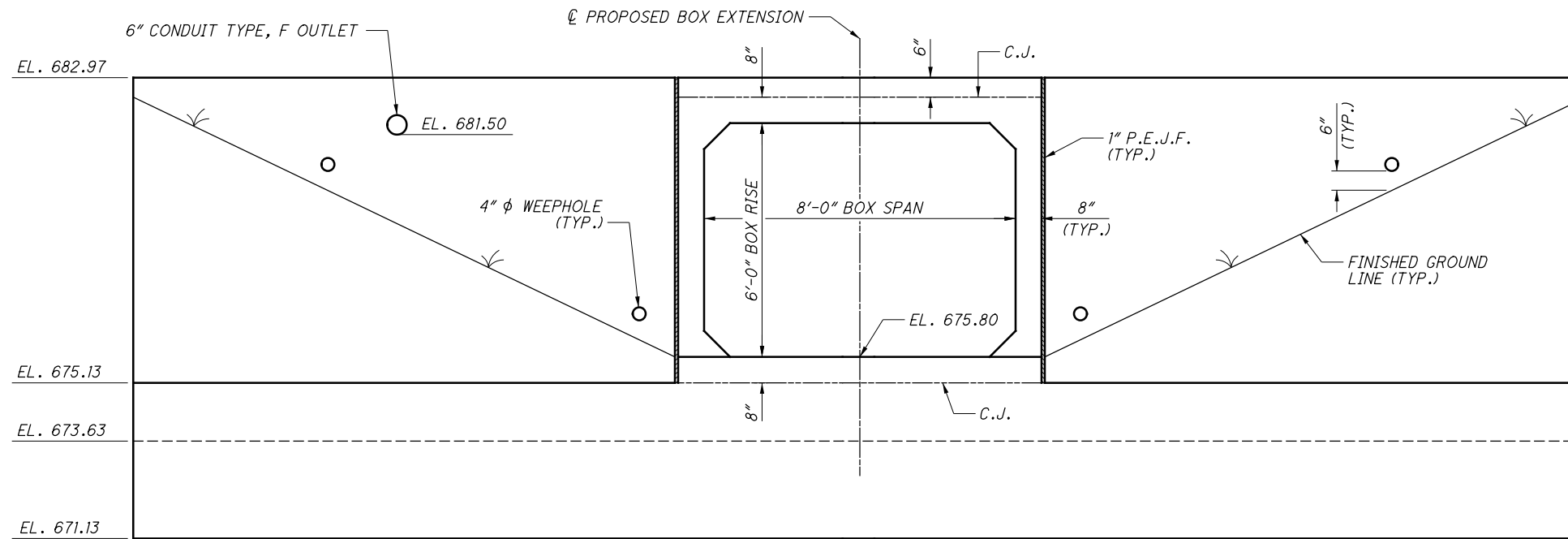
CULVERT DETAILS - STA. 149+38

LAK-20-19.59

SUBSET TOTAL	3	6
SHEET TOTAL	858	1253



**CULVERT & WINGWALL LAYOUT**



**OUTLET ELEVATION**

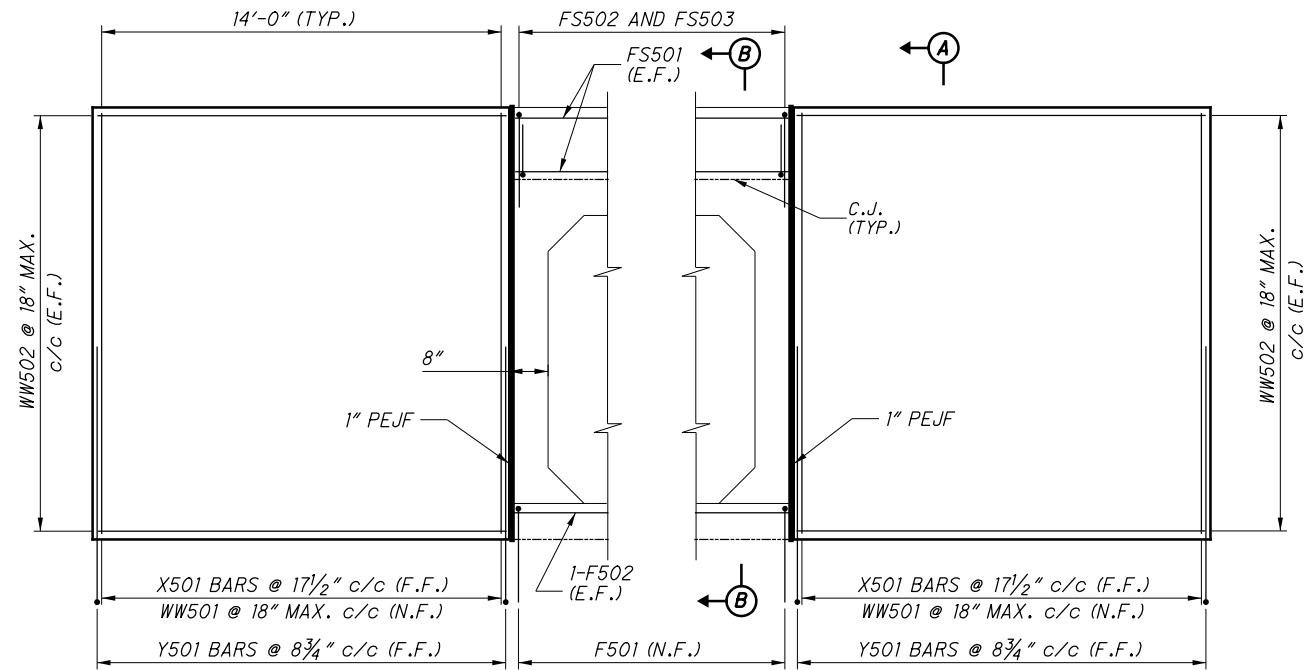
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CALCULATED  
JPR  
CHECKED  
MLF

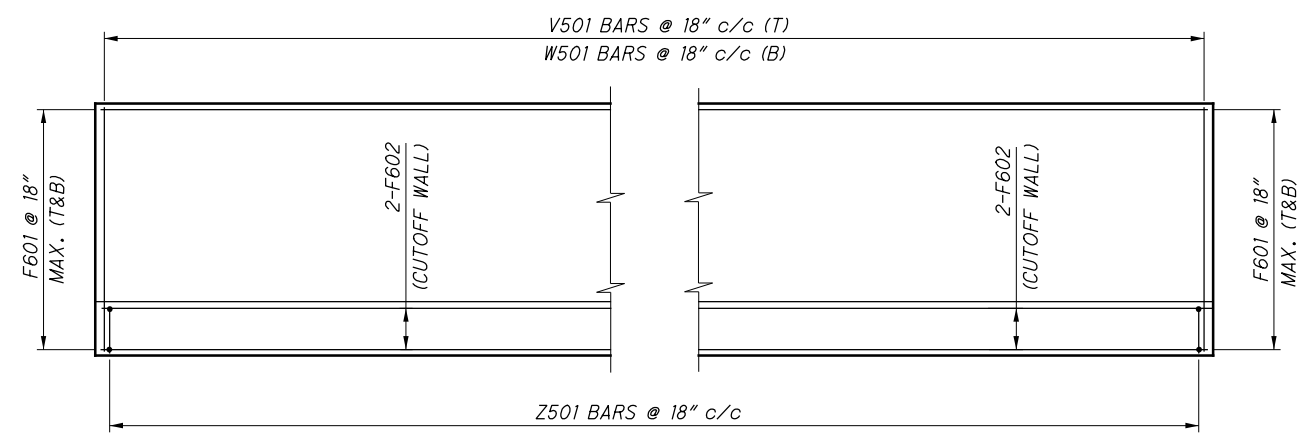
**LAK - 20 - 19 . 59**  
**CULVERT & WINGWALL LAYOUT & ELEVATION - STA. 149 + 38**

SUBSET TOTAL	4	6
SHEET TOTAL	859	1253

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**WINGWALL ELEVATION**  
(FOOTING NOT SHOWN)



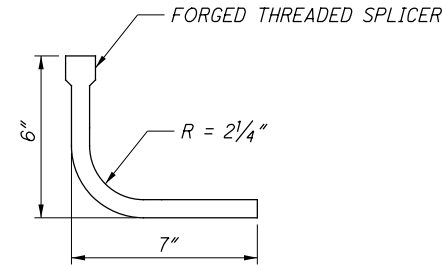
**FOOTING PLAN**

**NOTES:**

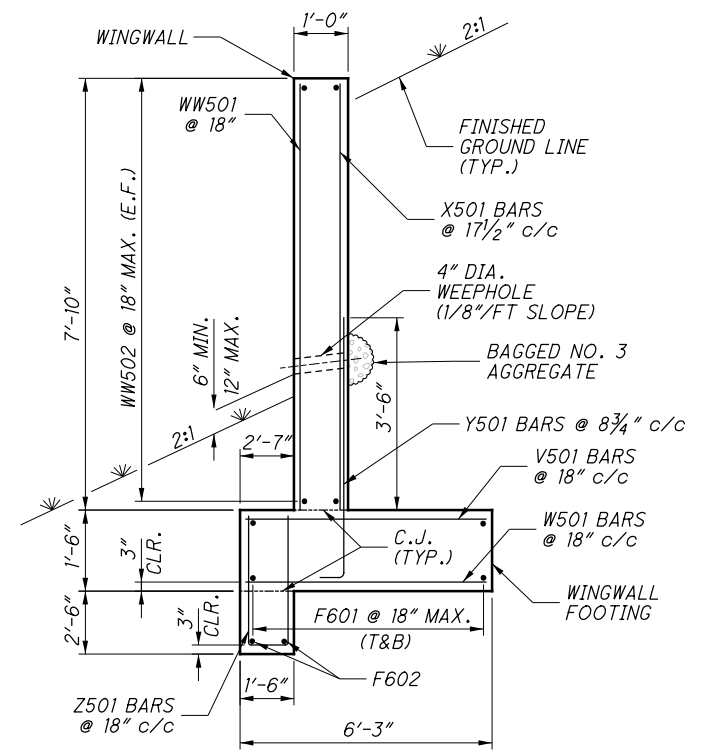
- FOR CULVERT LOCATION PLAN, SEE SHEET 433 OF 1253.
- FOR PRECAST BOX CULVERT DETAILS, SEE SHEET 4 OF 6.
- THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, WW501 IS A NO.5 BAR. BAR DIMENSIONS SHOWN ARE OUT TO OUT. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
- THE LAP SPLICE LENGTHS USED IN THESE DETAILS ARE AS FOLLOWS: 2'-5" FOR #5 BARS; 2'-11" FOR #6 BARS.

**LEGEND:**

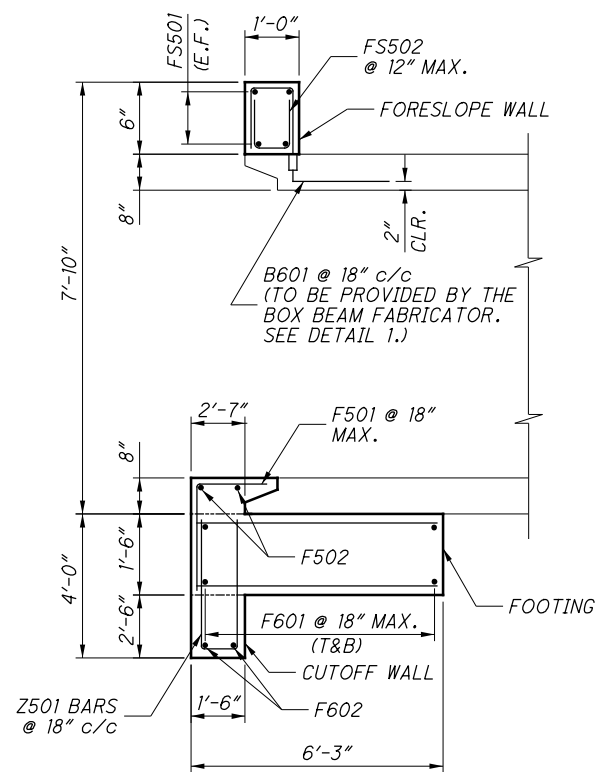
C.J.	CONSTRUCTION JOINT	N.F.	NEAR FACE
CLR.	CLEAR	SER.	SERIES
DIA.	DIAMETER	STR.	STRAIGHT
E.F.	EACH FACE	(T)	TOP
F.F.	FAR FACE	(B)	BOTTOM
MAX.	MAXIMUM	T&B	TOP AND BOTTOM
MIN.	MINIMUM	TYP.	TYPICAL
PEJF	PERFORMED EXPANSION JOINT FILLER	INC.	INCREMENT



**DETAIL 1**  
B601 90° HOOK BAR WITH ONE END THREADED



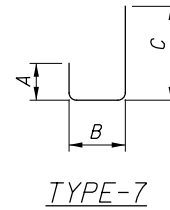
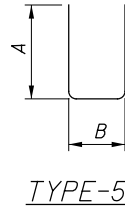
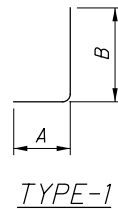
**SECTION A-A**  
(POURIOUS BACKFILL NOT SHOWN FOR CLARITY)



**SECTION B-B**  
(CULVERT INLET BEVEL SHOWN)

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TYPE C HEADWALL REINFORCING SCHEDULE							
BAR MARK	NUMBER	LENGTH	WEIGHT (LBS.)	TYPE	BAR TYPE DIMENSIONS		
					A	B	C
WINGWALLS							
X501	22	7'- 8"	176	STR.			
Y501	40	5'- 6"	228	1	0'- 10"	4'- 9"	
WW501	22	7'- 8"	176	STR.			
WW502	24	13'- 8"	343	STR.			
FOOTING & CUTOFF WALL							
V501	26	5'- 11"	161	STR.			
W501	26	5'- 11"	161	STR.			
Z501	26	8'- 2"	222	5	3'- 7"	1'- 2"	
F501	7	4'- 4"	32	1	2'- 7"	1'- 10"	
F502	2	9'- 0"	19	STR.			
F601	20	19'- 9"	594	STR.			
F602	4	19'- 9"	119	STR.			
FORESLOPE WALL							
FS501	4	9'- 0"	38	STR.			
FS502	10	0'- 9"	8	5	0'- 2"	0'- 8"	
FS503	10	1'- 4"	14	7	0'- 2"	0'- 8"	0'- 9"
		TOTAL	2,291				



CONCRETE COLLAR										
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS					
	TOTAL				A	B	C	D	E	R
C501	48	2'-3"	113	1	10"	1'-6"				
C502	4	19'-7"	82	5	3'-11"	12'-0"				
C503	28	3'-8"	107	STR.						
C504	4	26'-9"	112	5	7'-6"	12'-0"				
TOTAL = 414 LBS										

REINFORCING NOTES:

- 1) ALL REINFORCING BARS SHALL BE EPOXY COATED.
- 2) THE BAR NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, C501 IS A NUMBER 5 BAR. BAR DIMENSIONS SHOWN ARE OUT-TO-OUT, UNLESS OTHERWISE NOTED.

CALCULATED  
JPR  
CHECKED  
MLF

WINGWALL REINFORCING SCHEDULE - STA. 149 + 38

LAK - 20 - 19 . 59

SUBSET TOTAL  
6 | 6  
SHEET TOTAL  
861 | 1253



P.I. Sta. 9+24.18  
 $\Delta = 67^\circ 55' 16''$  (RT)  
 $D_c = 381^\circ 58' 19''$   
 $R = 15.00'$   
 $T = 10.10'$   
 $L = 17.78'$   
 $E = 3.08'$   
 $C = 16.76'$   
 $C.B. = S 63^\circ 38' 24'' E$

STA. 253+80.07, 67.74' LT

ITEM 601 - 20" L x 11.75" W x 36" ROCK CHANNEL PROTECTION TYPE A WITH FILTER

WETLAND H

APPROXIMATE LOCATION OF EXCAVATION BRACING (SEE ITEM 503 GENERAL NOTE ON SHEET 25 OF 1253)

(ABANDON BY FILLING AND PLUGGING)

4' x 3' BOX CULVERT

STA. 10+00 CULVERT = STA. 253+86 & CONST. U.S.S.20

66" TYPE A

15" TYPE B

23.0'

23.0'

B-016-1-19

15" TYPE B

18" TYPE C

21" TYPE C

21" TYPE C

STA. 253+91.40, 61.77' RT

STREAM 3

S 24° 19' 50" E

**EXISTING STRUCTURE**  
 TYPE: 4' x 3' CAST IN PLACE BOX CULVERT  
 SKEW: 5°  
 ALIGNMENT: TANGENT  
 DATE BUILT: 1938  
 CONDITION: GOOD  
 CFN: 1863822

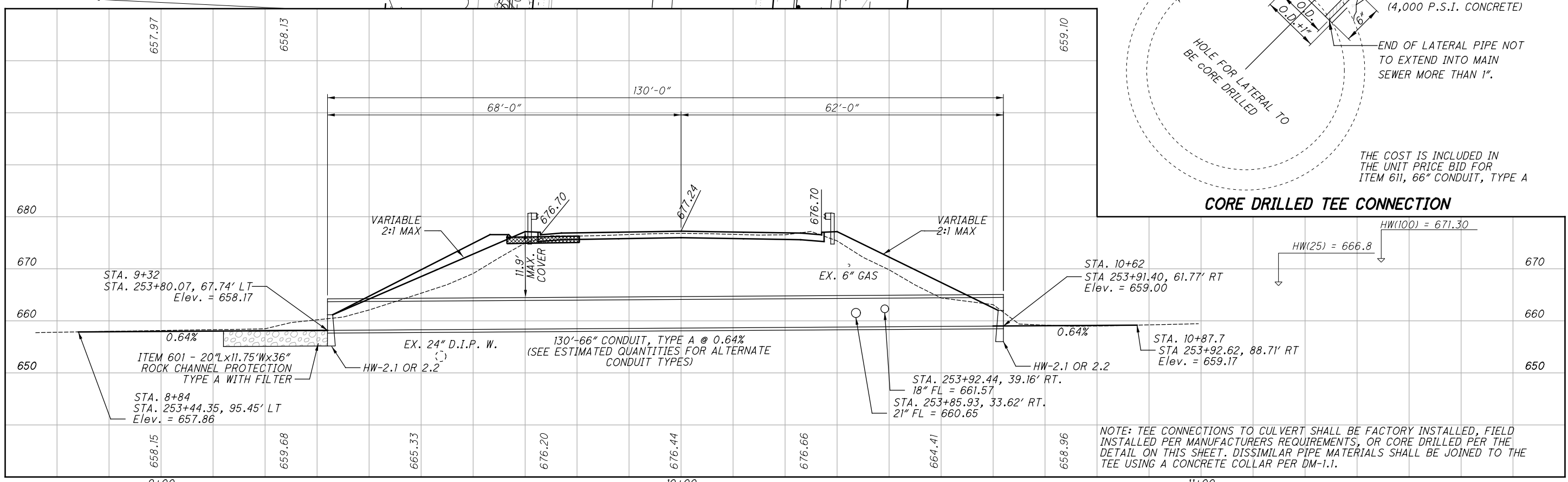
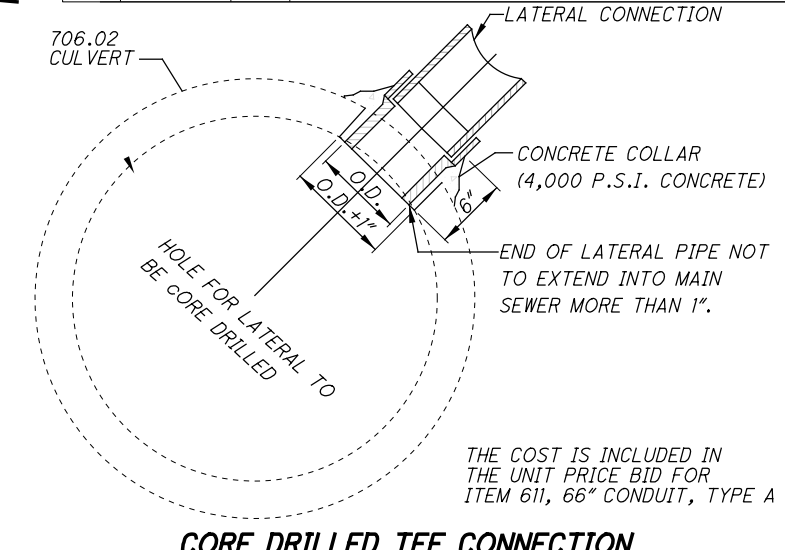
**PROPOSED STRUCTURE**  
 TYPE: 66" DIA. TYPE A CONDUIT  
 SKEW: 5°  
 ALIGNMENT: TANGENT  
 CFN: XXXXXXXX

**LEGEND**  
 \* - INDICATES TEST BORING LOCATIONS

**HYDRAULIC DATA**  
 DRAINAGE AREA = 563 ACRES  
 $Q(25) = 270$  CFS  $V(25) = 13.4$  FPS  $HW(25) = 666.8$  FT  
 $Q(100) = 393$  CFS  $V(100) = 16.6$  FPS  $HW(100) = 671.3$  FT  
 ORDINARY HIGH WATER MARK: 662.5 FT  
 DESIGN SERVICE LIFE: 75 YRS  
 pH: 7.6  
 ABRASION LEVEL: 2

ESTIMATED QUANTITIES (CARRIED TO GENERAL SUMMARY)

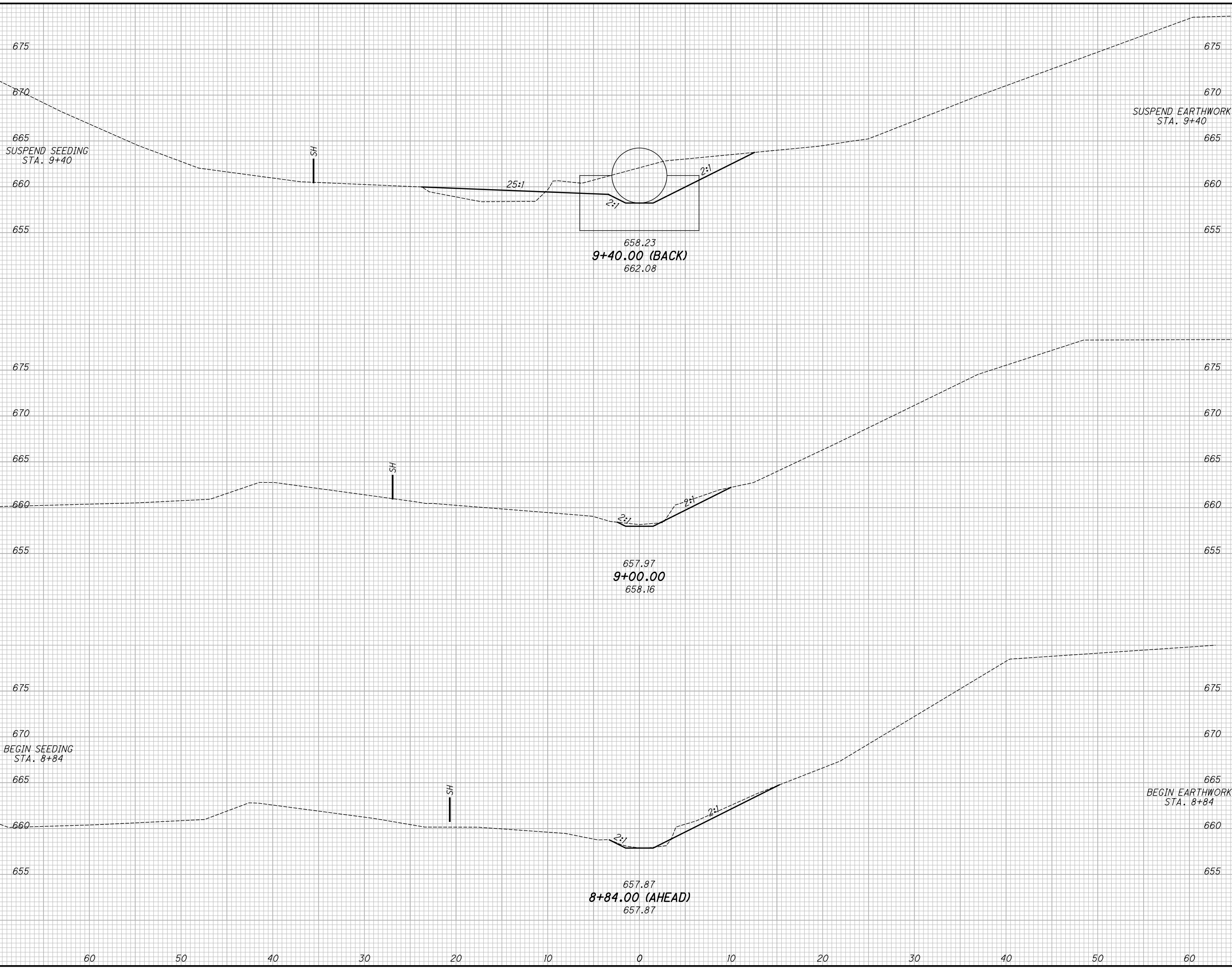
ITEM	QUANTITY	UNIT	DESCRIPTION
202	100	FT	FILL AND PLUG EXISTING CONDUIT, 4' X 3' BOX
503	LUMP	LS	COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN
601	130	FT	66" CONDUIT, TYPE A, 706.02, 707.35, 707.75, SS938 WITH WELDED BELL OR 72" 707.01 (0.249) ALUMINIZED, 707.02 (0.109) ALUMINIZED, 707.04 (1") (0.109)
602	26	CY	ROCK CHANNEL PROTECTION, TYPE A WITH GEOTEXTILE FABRIC
611	4.1	CY	CONCRETE MASONRY



NOTE: TEE CONNECTIONS TO CULVERT SHALL BE FACTORY INSTALLED, FIELD INSTALLED PER MANUFACTURERS REQUIREMENTS, OR CORE DRILLED PER THE DETAIL ON THIS SHEET. DISSIMILAR PIPE MATERIALS SHALL BE JOINED TO THE TEE USING A CONCRETE COLLAR PER DM-1.1.

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SEEDING	END	
	WIDTH	SO. YDS.
	290	



END AREA		VOLUME		CALCULATED JUMP	CHECKED WDB
CUT	FILL	CUT	FILL		
		47	15		

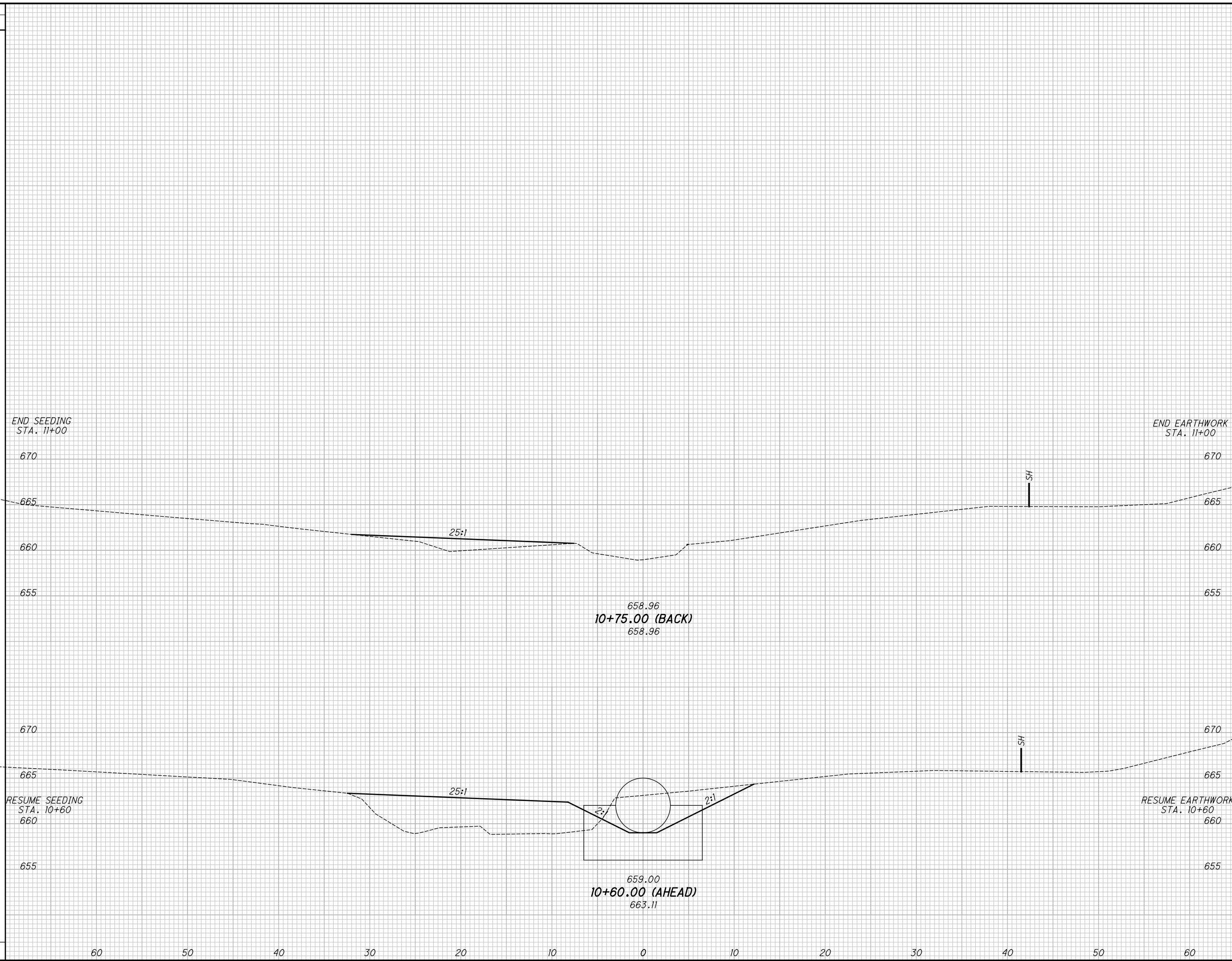
**CHANNEL SECTIONS - CULVERT 253+86**  
**STA. 8+84.00 TO STA. 9+40.00**

**LAK-US-20-19.59**  
**PART 1**

863  
1253

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SEEDING	
END WIDTH	SO. YDS.
371	



END AREA		VOLUME		CALCULATED JUMP	CHECKED	WDB
CUT	FILL	CUT	FILL			
		14	40			

**CHANNEL SECTIONS - CULVERT 253+86  
STA. 10+60.00 TO STA. 10+75.00**

**LAK-US-20-19.59  
PART 1**

864  
1253

**GENERAL NOTES:**

**REFERENCE TO THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS:**

800 DATED 10-15-21  
 870 DATED 04-16-21  
 878 DATED 04-16-21

**ITEM 870 - PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN:**

THE DESIGN, FABRICATION, AND CONSTRUCTION OF EACH PREFABRICATED MODULAR RETAINING WALL (PMRW) SHALL BE PER ODOT SUPPLEMENTAL SPECIFICATION 870 AND THE ODOT BDM. THE WALL SYSTEM SUPPLIER IS RESPONSIBLE FOR THE INTERNAL STABILITY DESIGN OF THE PREFABRICATED MODULAR RETAINING WALL. THE DESIGN SHALL ASSUME A BACKFILL UNIT WEIGHT OF 120 PCF AND A BACKFILL DRAINED FRICTION ANGLE OF 30 DEGREES. ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED TO DESIGN, FABRICATE, AND CONSTRUCT THE PMRW SHALL BE INCLUDED WITH THE UNIT BID PRICE FOR ITEM 870 PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN.

**FOUNDATION BEARING RESISTANCE:**

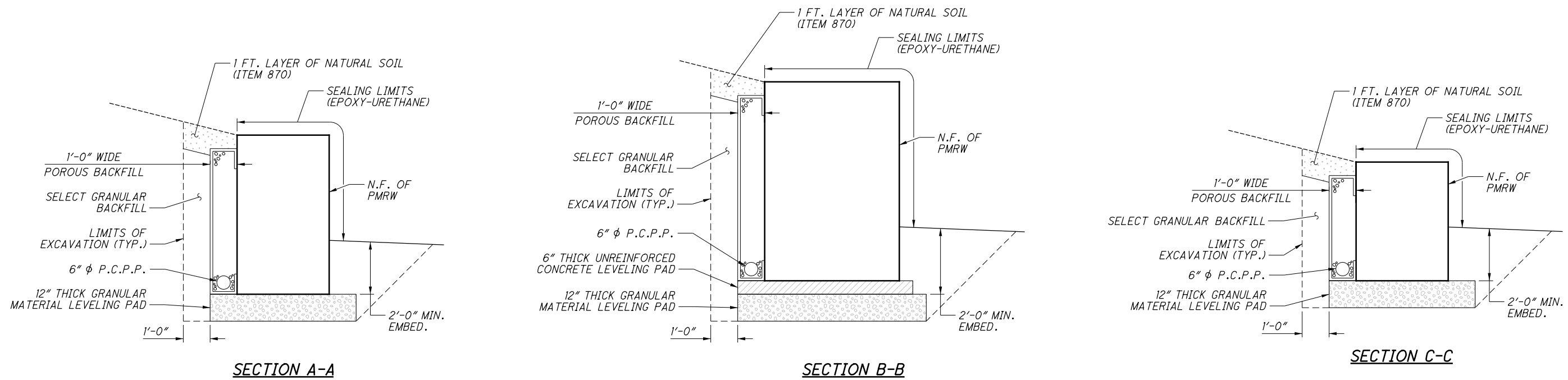
THE THREE RETAINING WALLS, AS DESIGNED, PRODUCE A MAXIMUM SERVICE LIMIT STATE BEARING PRESSURE OF 4.5 KIPS PER SQUARE FOOT AND A MAXIMUM STRENGTH LIMIT STATE BEARING PRESSURE OF 4.5 KIPS PER SQUARE FOOT. THE FACTORED BEARING RESISTANCE IS 4.5 KIPS PER SQUARE FOOT.

**ABBREVIATIONS:**

CL - CENTERLINE  
 φ - DIAMETER  
 B/W - BOTTOM OF WALL  
 EL. - ELEVATION  
 EMBED. - EMBEDMENT  
 EX. - EXISTING  
 F.F. - FAR FACE  
 MIN. - MINIMUM  
 N.F. - NEAR FACE  
 N.P.C.P.P. - NON-PERFORATED CORRUGATED PLASTIC PIPE  
 P.C.P.P. - PERFORATED CORRUGATED PLASTIC PIPE  
 PMRW - PREFABRICATED MODULAR RETAINING WALL  
 PROP. - PROPOSED  
 RT. - RIGHT  
 STA. - STATION  
 TBR - TO BE RELOCATED  
 T/W - TOP OF WALL

ESTIMATED QUANTITIES							CALC. BY: MLF ; CHKD. BY: TAB	
ITEM	ITEM EXT.	WALL 1	WALL 2	WALL 3	TOTAL	UNIT	DESCRIPTION	SHEET REF.
512	10100	71	76	80	227	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
870	10001	600	645	683	1928	SF	PREFABRICATED MODULAR RETAINING WALL, AS PER PLAN	1/4
870	11000	169	198	226	593	CY	WALL EXCAVATION	
870	11100	12	14	15	41	CY	NATURAL SOIL	
870	12000	100	104	104	308	FT	6" DRAINAGE PIPE, PERFORATED	
870	12100	12	8	9	29	FT	6" DRAINAGE PIPE, NON-PERFORATED	
870	14000				2	DAY	ON-SITE ASSISTANCE	

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**NOTES:**

1. FOR LOCATION OF SECTIONS A-A, B-B, & C-C, SEE INDIVIDUAL WALL PLAN AND ELEVATION ON SHEETS 2 TO 4 OF 4.



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8150 STERLING COURT  
MENTOR, OH 44060

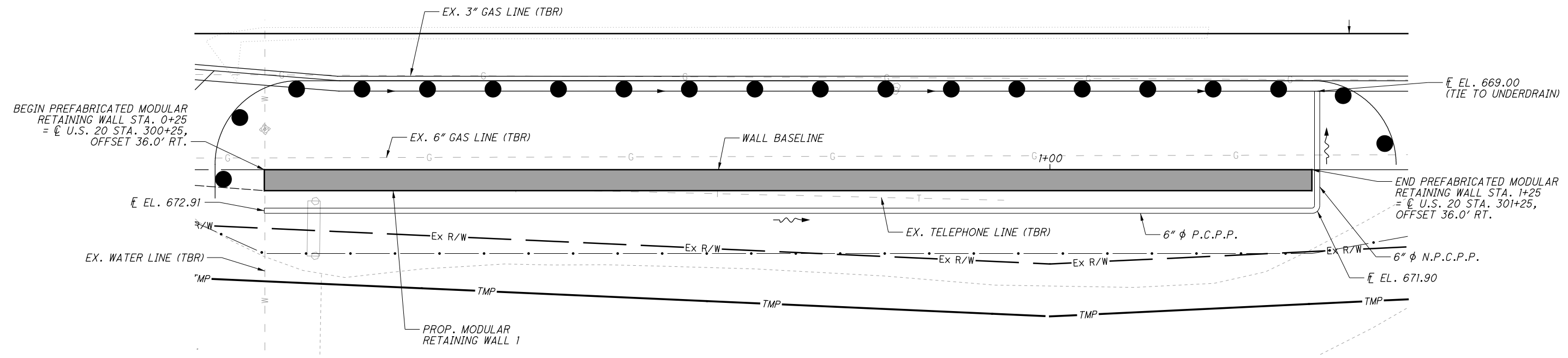
CHECKED  
TAB  
REVIEWED  
JMP  
DESIGNED  
MLF

MODULAR RETAINING WALL 1 PLAN & ELEVATION

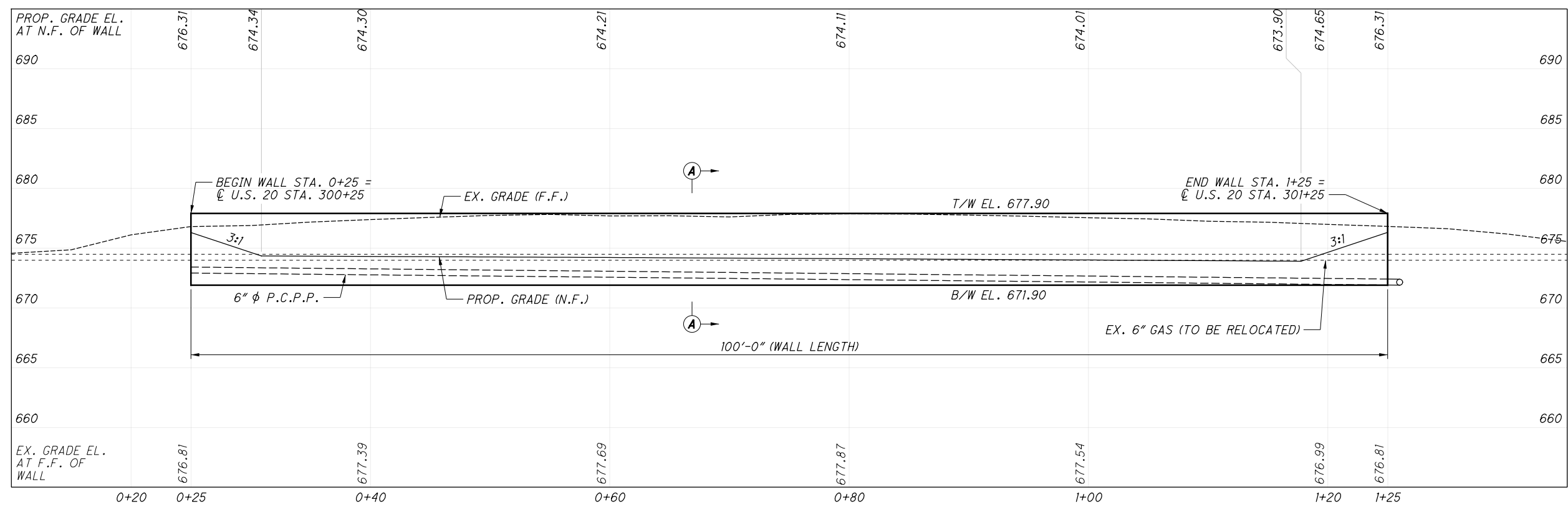
LAK-US-20-19.59  
PART 1

2 / 4

866  
1253



RETAINING WALL 1 PLAN



RETAINING WALL 1 ELEVATION

NOTES:

1. FOR PLAN & ELEVATION OF WALLS 2 AND 3, SEE SHEETS 3 & 4 OF 4.
2. FOR SECTION A-A, SEE SHEET 1 OF 4.
3. FOR RETAINING WALL GENERAL NOTES, SEE SHEET 1 OF 4.
4. BOTTOM OF WALL ELEVATION DOES NOT INCLUDE LEVELING PAD.
5. ALL EXPOSED WALL SURFACES ARE TO BE SEALED WITH AN EPOXY-URETHANE SEALER.

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8150 STERLING COURT  
MENTOR, OH 44060

CHECKED  
TAB  
REVIEWED  
JMP

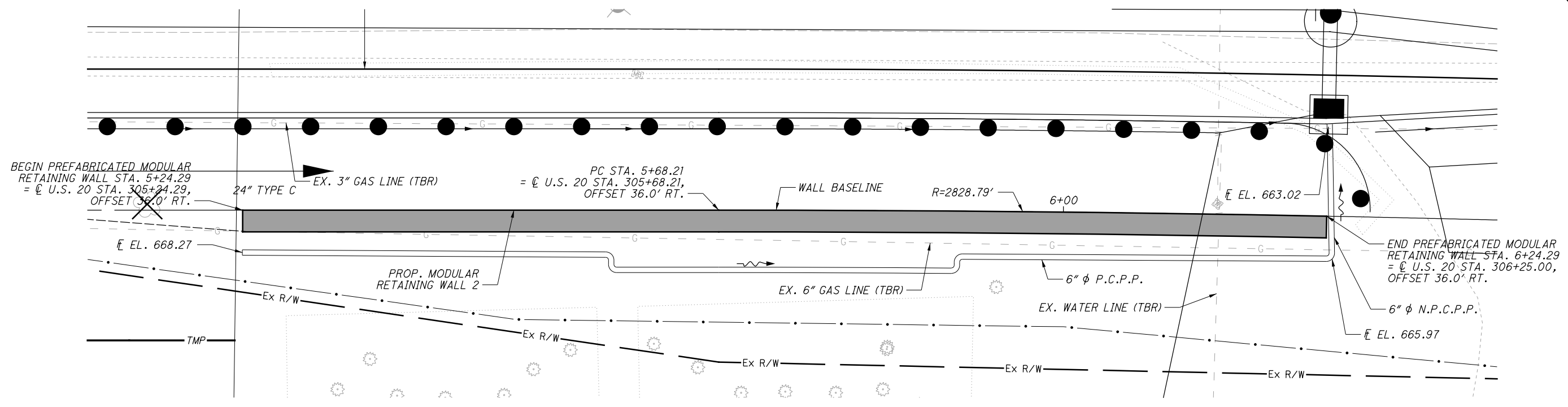
DESIGNED  
MLF

MODULAR RETAINING WALL 2 PLAN & ELEVATION

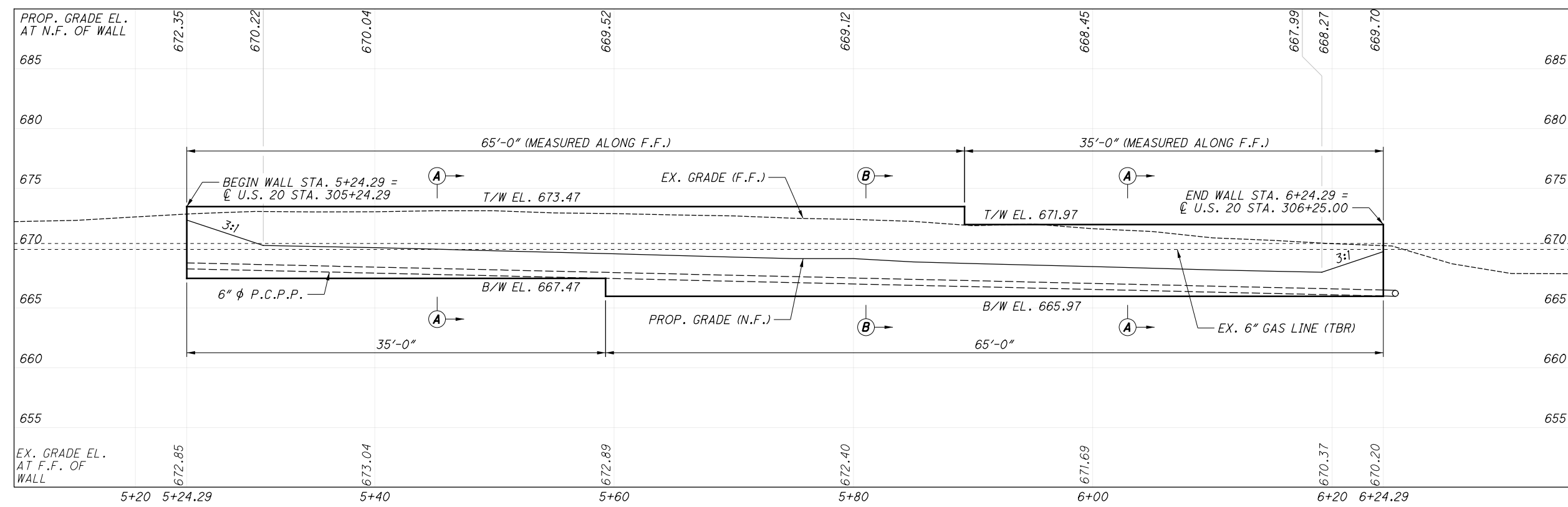
LAK-US-20-19.59  
PART 1

3 / 4

867  
1253



RETAINING WALL 2 PLAN

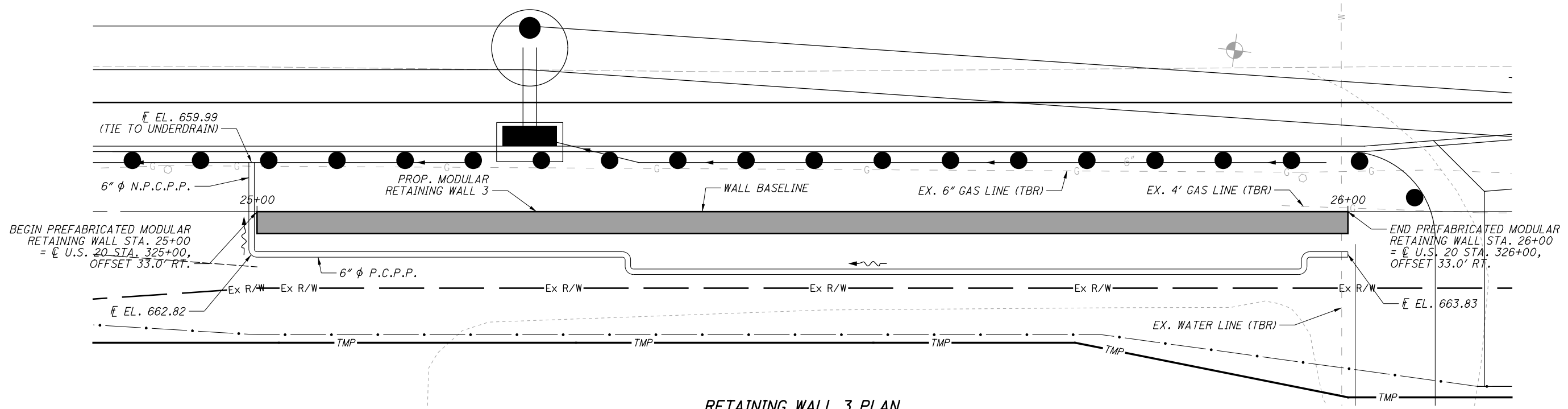


RETAINING WALL 2 ELEVATION

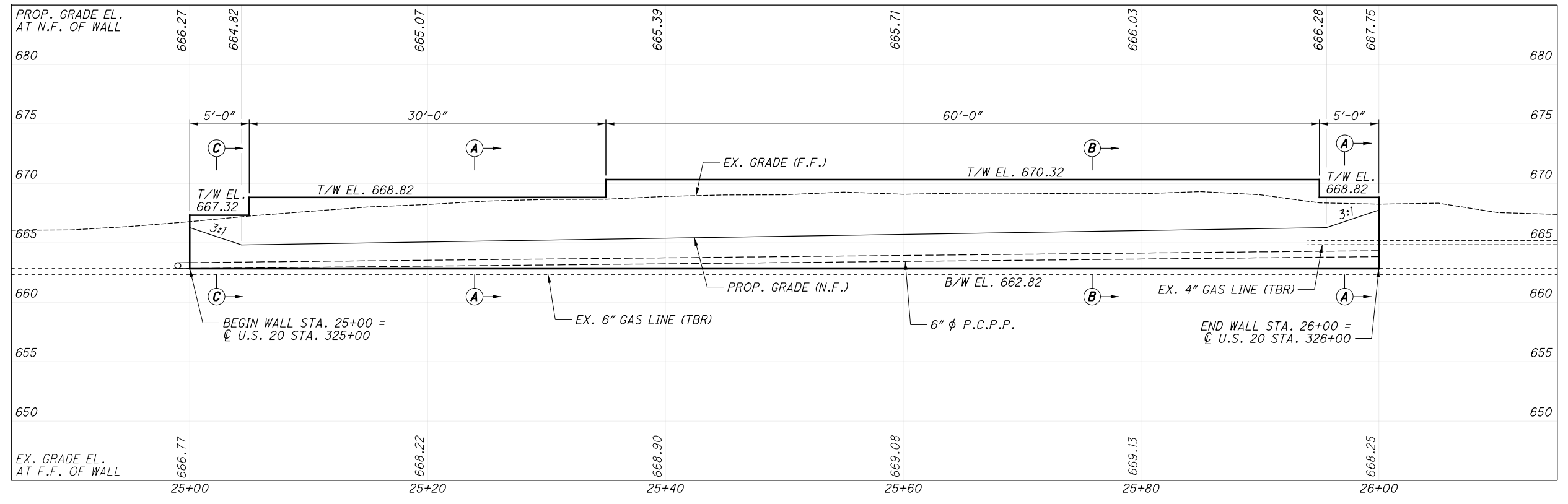
NOTES:

- FOR PLAN & ELEVATION OF WALLS 1 AND 3, SEE SHEETS 2 & 4 OF 4.
- FOR SECTIONS A-A & B-B, SEE SHEET 1 OF 4.
- FOR RETAINING WALL GENERAL NOTES, SEE SHEET 1 OF 4.
- BOTTOM OF WALL ELEVATION DOES NOT INCLUDE LEVELING PAD.
- ALL EXPOSED WALL SURFACES ARE TO BE SEALED WITH AN EPOXY-URETHANE SEALER.

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RETAINING WALL 3 PLAN



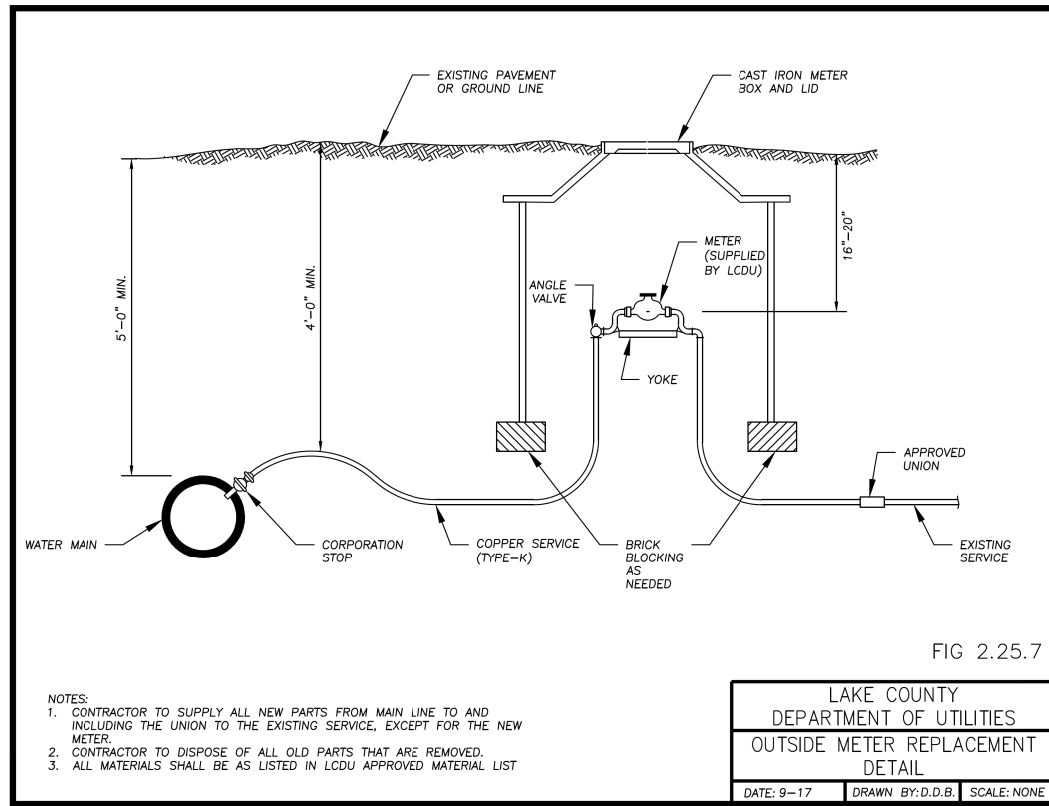
RETAINING WALL 3 ELEVATION

**NOTES:**

1. FOR PLAN & ELEVATION OF WALLS 1 AND 2, SEE SHEETS 2 & 3 OF 4.
2. FOR SECTIONS A-A & C-C, SEE SHEET 1 OF 4.
3. FOR RETAINING WALL GENERAL NOTES, SEE SHEET 1 OF 4.
4. BOTTOM OF WALL ELEVATION DOES NOT INCLUDE LEVELING PAD.
5. ALL EXPOSED WALL SURFACES ARE TO BE SEALED WITH AN EPOXY-URETHANE SEALER.

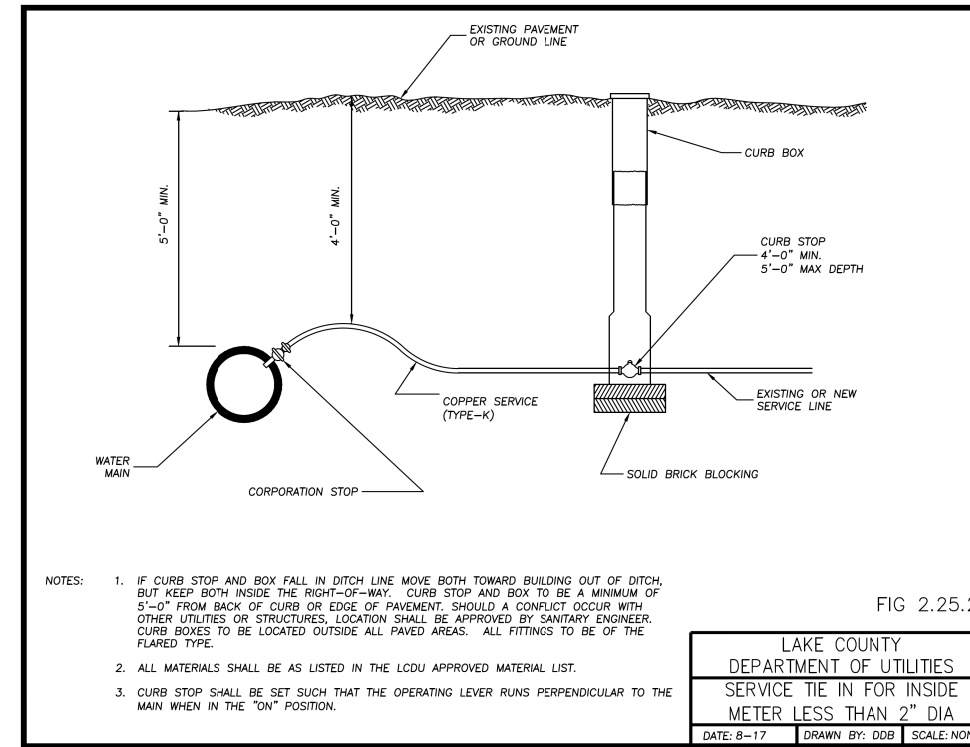
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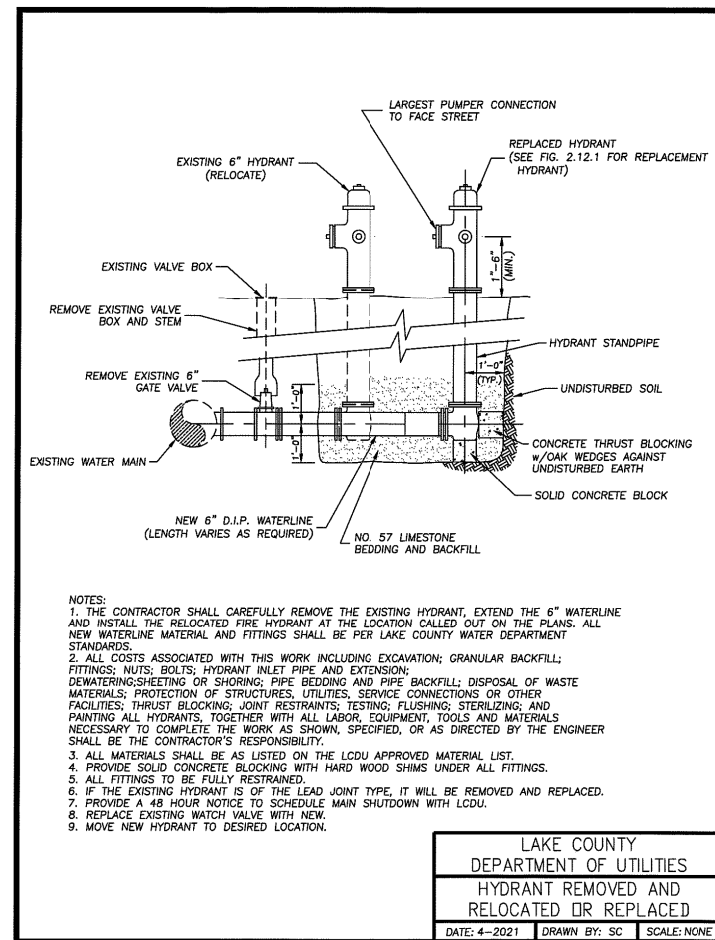
- NOTES:
1. CONTRACTOR TO SUPPLY ALL NEW PARTS FROM MAIN LINE TO AND INCLUDING THE UNION TO THE EXISTING SERVICE, EXCEPT FOR THE NEW METER.
  2. CONTRACTOR TO DISPOSE OF ALL OLD PARTS THAT ARE REMOVED.
  3. ALL MATERIALS SHALL BE AS LISTED IN LCDU APPROVED MATERIAL LIST

LAKE COUNTY  
DEPARTMENT OF UTILITIES  
OUTSIDE METER REPLACEMENT  
DETAIL  
DATE: 9-17 DRAWN BY: D.D.B. SCALE: NONE



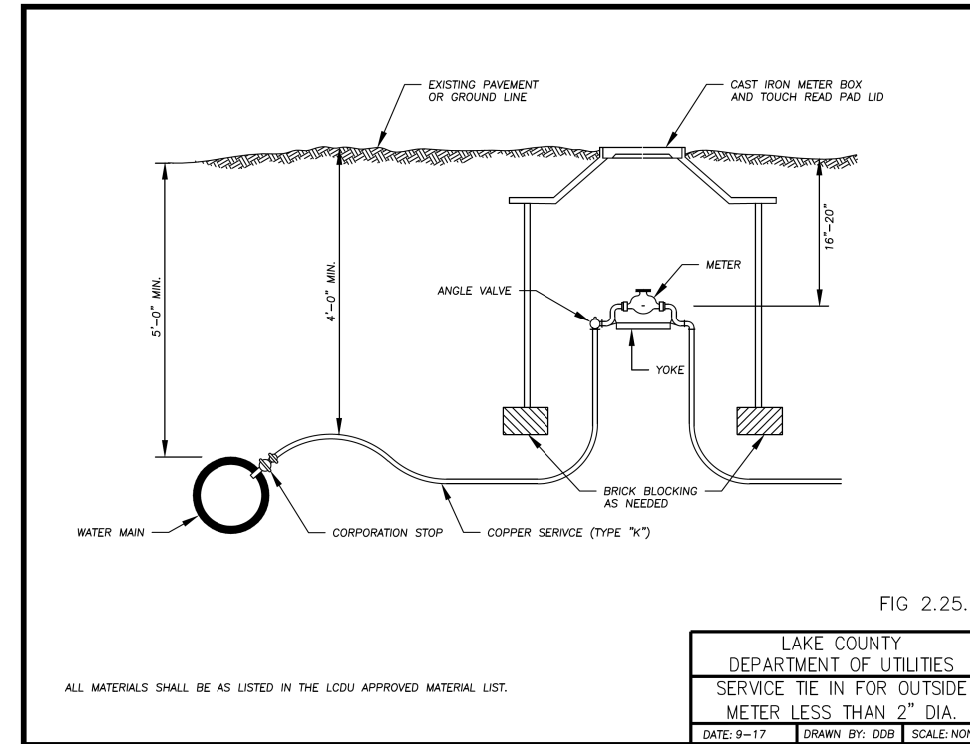
- NOTES:
1. IF CURB STOP AND BOX FALL IN DITCH LINE MOVE BOTH TOWARD BUILDING OUT OF DITCH, BUT KEEP BOTH INSIDE THE RIGHT-OF-WAY. CURB STOP AND BOX TO BE A MINIMUM OF 5'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT. SHOULD A CONFLICT OCCUR WITH OTHER UTILITIES OR STRUCTURES, LOCATION SHALL BE APPROVED BY SANITARY ENGINEER. CURB BOXES TO BE LOCATED OUTSIDE ALL PAVED AREAS. ALL FITTINGS TO BE OF THE FLARED TYPE.
  2. ALL MATERIALS SHALL BE AS LISTED IN THE LCDU APPROVED MATERIAL LIST.
  3. CURB STOP SHALL BE SET SUCH THAT THE OPERATING LEVER RUNS PERPENDICULAR TO THE MAIN WHEN IN THE "ON" POSITION.

LAKE COUNTY  
DEPARTMENT OF UTILITIES  
SERVICE TIE IN FOR INSIDE  
METER LESS THAN 2" DIA  
DATE: 8-17 DRAWN BY: DDB SCALE: NONE



- NOTES:
1. THE CONTRACTOR SHALL CAREFULLY REMOVE THE EXISTING HYDRANT, EXTEND THE 6" WATERLINE AND INSTALL THE RELOCATED FIRE HYDRANT AT THE LOCATION CALLED OUT ON THE PLANS. ALL NEW WATERLINE MATERIAL AND FITTINGS SHALL BE PER LAKE COUNTY WATER DEPARTMENT STANDARDS.
  2. ALL COSTS ASSOCIATED WITH THIS WORK INCLUDING EXCAVATION; GRANULAR BACKFILL; FITTINGS; NUTS; BOLTS; HYDRANT INLET PIPE AND EXTENSION; DEWATERING; SHEETING OR SHORING; PIPE BEDDING AND PIPE BACKFILL; DISPOSAL OF WASTE MATERIALS; PROTECTION OF STRUCTURES, UTILITIES, SERVICE CONNECTIONS OR OTHER FACILITIES; THRUST BLOCKING; JOINT RESTRAINTS; TESTING; FLUSHING; STERILIZING; AND PAINTING ALL HYDRANTS, TOGETHER WITH ALL LABOR, EQUIPMENT, TOOLS AND MATERIALS NECESSARY TO COMPLETE THE WORK AS SHOWN, SPECIFIED, OR AS DIRECTED BY THE ENGINEER SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
  3. ALL MATERIALS SHALL BE AS LISTED ON THE LCDU APPROVED MATERIAL LIST.
  4. PROVIDE SOLID CONCRETE BLOCKING WITH HARD WOOD SHIMS UNDER ALL FITTINGS.
  5. ALL FITTINGS TO BE FULLY RESTRAINED.
  6. IF THE EXISTING HYDRANT IS OF THE LEAD JOINT TYPE, IT WILL BE REMOVED AND REPLACED.
  7. PROVIDE A 48 HOUR NOTICE TO SCHEDULE MAIN SHUTDOWN WITH LCDU.
  8. REPLACE EXISTING WATCH VALVE WITH NEW.
  9. MOVE NEW HYDRANT TO DESIRED LOCATION.

LAKE COUNTY  
DEPARTMENT OF UTILITIES  
HYDRANT REMOVED AND  
RELOCATED OR REPLACED  
DATE: 4-2021 DRAWN BY: SC SCALE: NGNE



ALL MATERIALS SHALL BE AS LISTED IN THE LCDU APPROVED MATERIAL LIST.

LAKE COUNTY  
DEPARTMENT OF UTILITIES  
SERVICE TIE IN FOR OUTSIDE  
METER LESS THAN 2" DIA  
DATE: 9-17 DRAWN BY: DDB SCALE: NONE

CALCULATED  
T.L.S.  
CHECKED  
J.M.P.

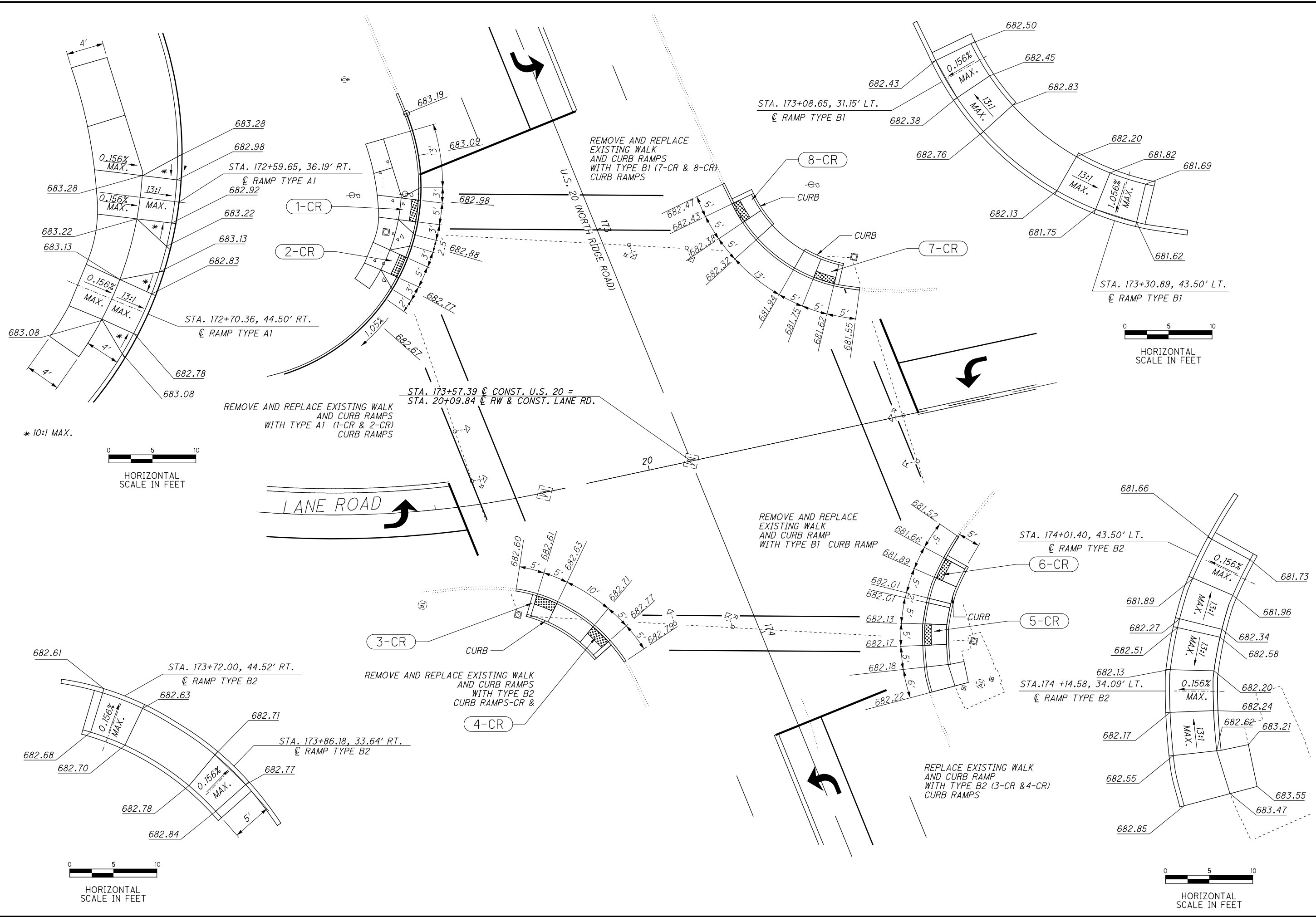
WATER DETAILS

LAK-US-20-19.59  
PART 1

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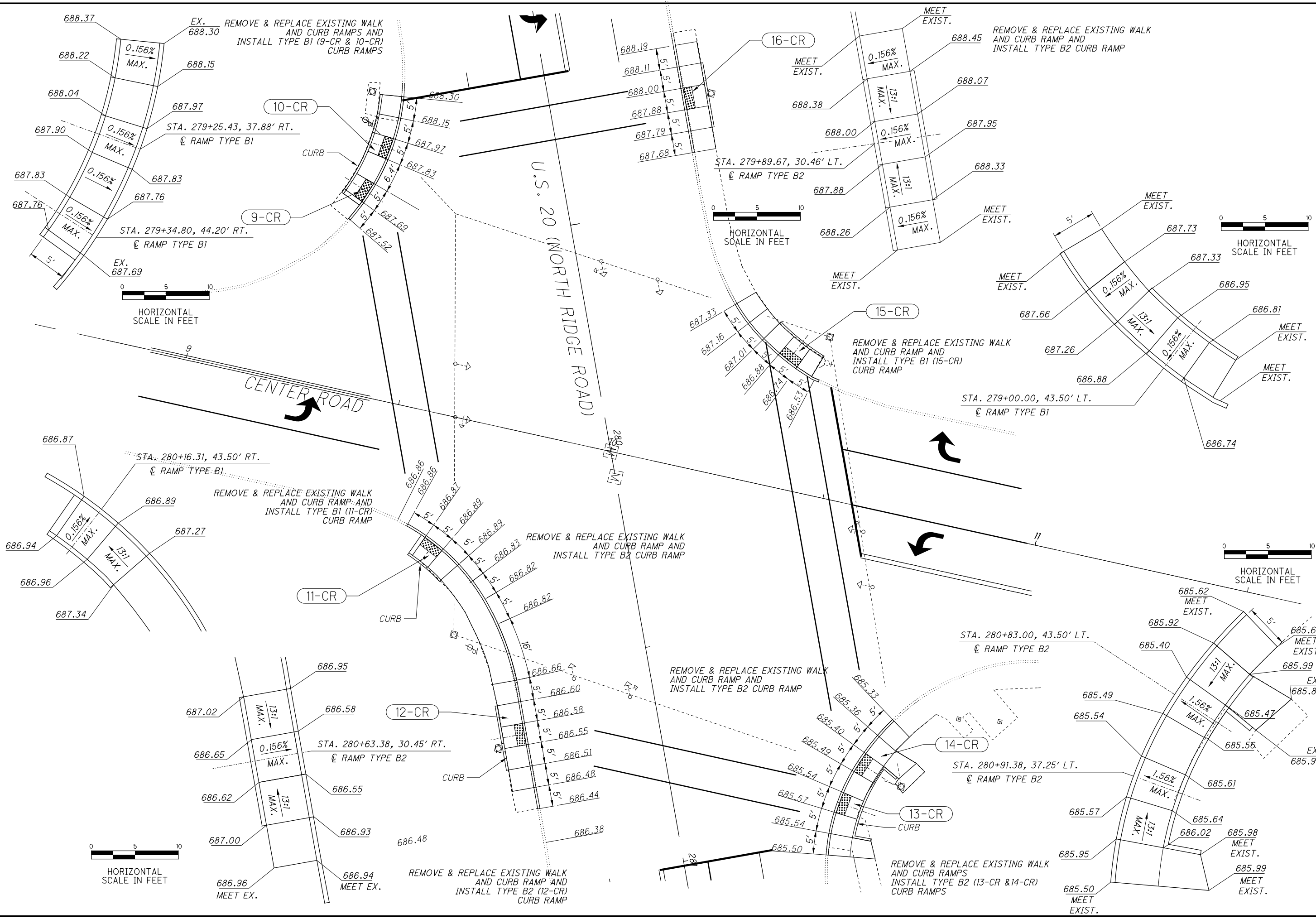
CALCULATED  
 CWH  
 CHECKED  
 EJT

**CURB RAMP PLAN SHEET**  
**U.S. AND LANE RD.**

**LAK-US-20-19.59**  
**PART 1**

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1253

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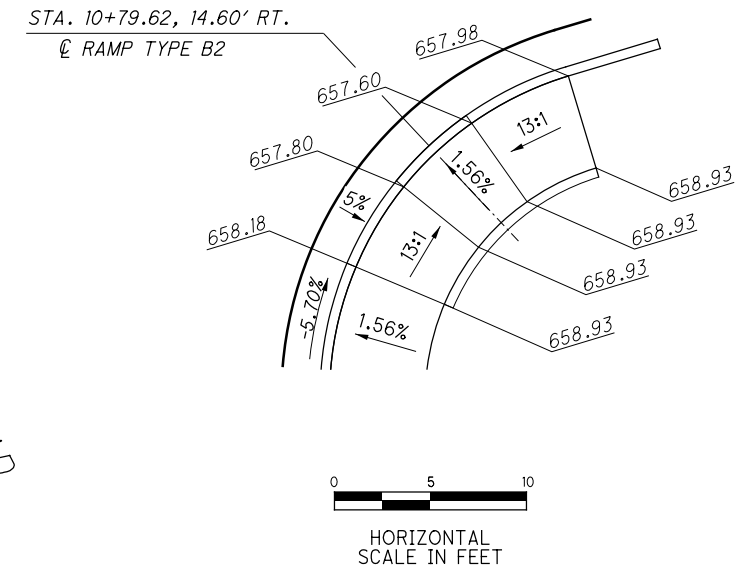
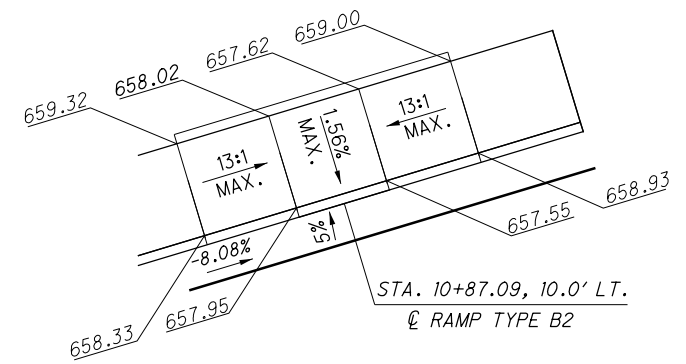
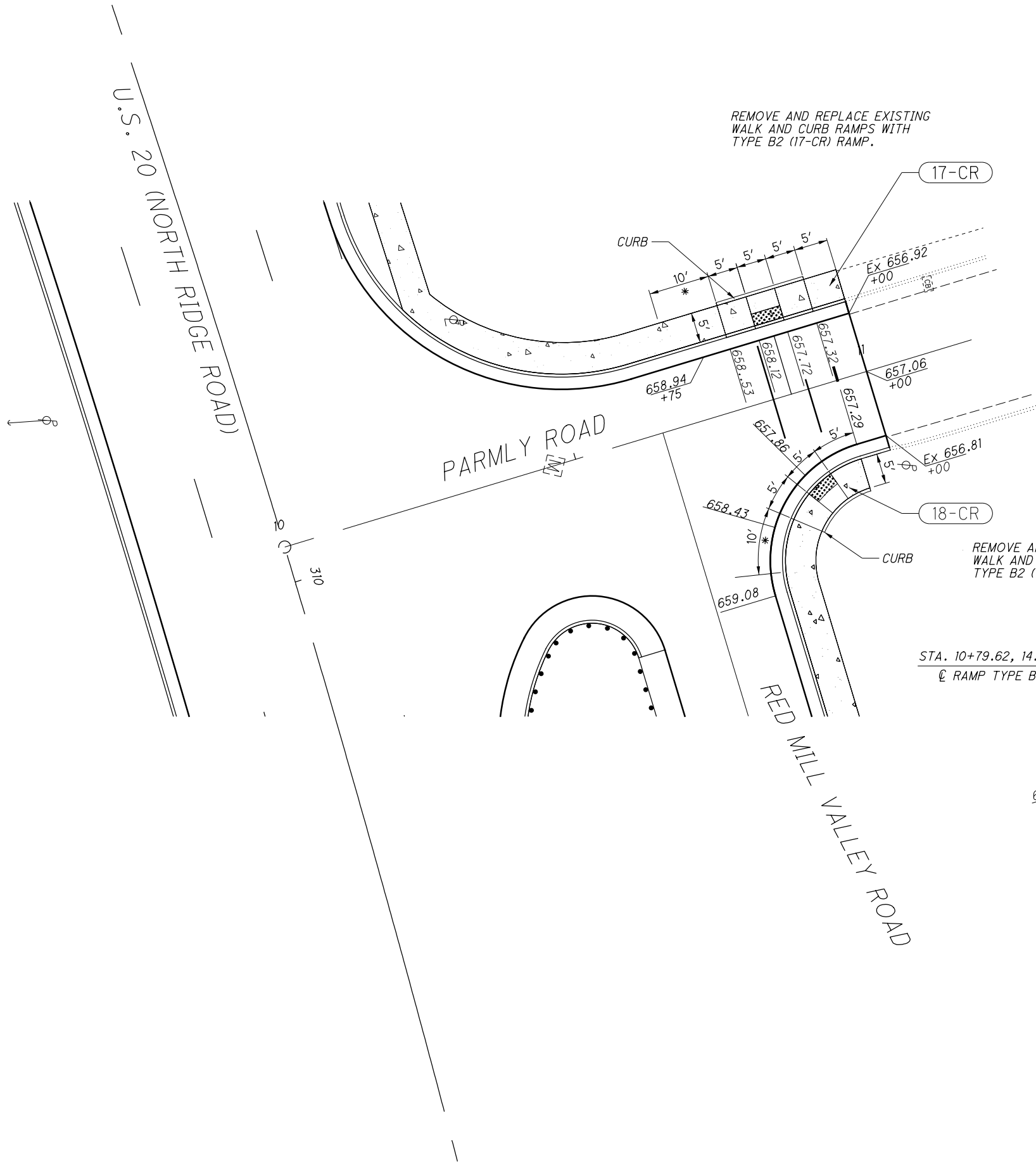


CALCULATED  
CWH  
CHECKED  
EJT

0 5 10  
HORIZONTAL SCALE IN FEET

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HORIZONTAL SCALE IN FEET

**CURB RAMP PLAN SHEET**  
**U.S. AND CENTER RD.**



CALCULATED  
CWH

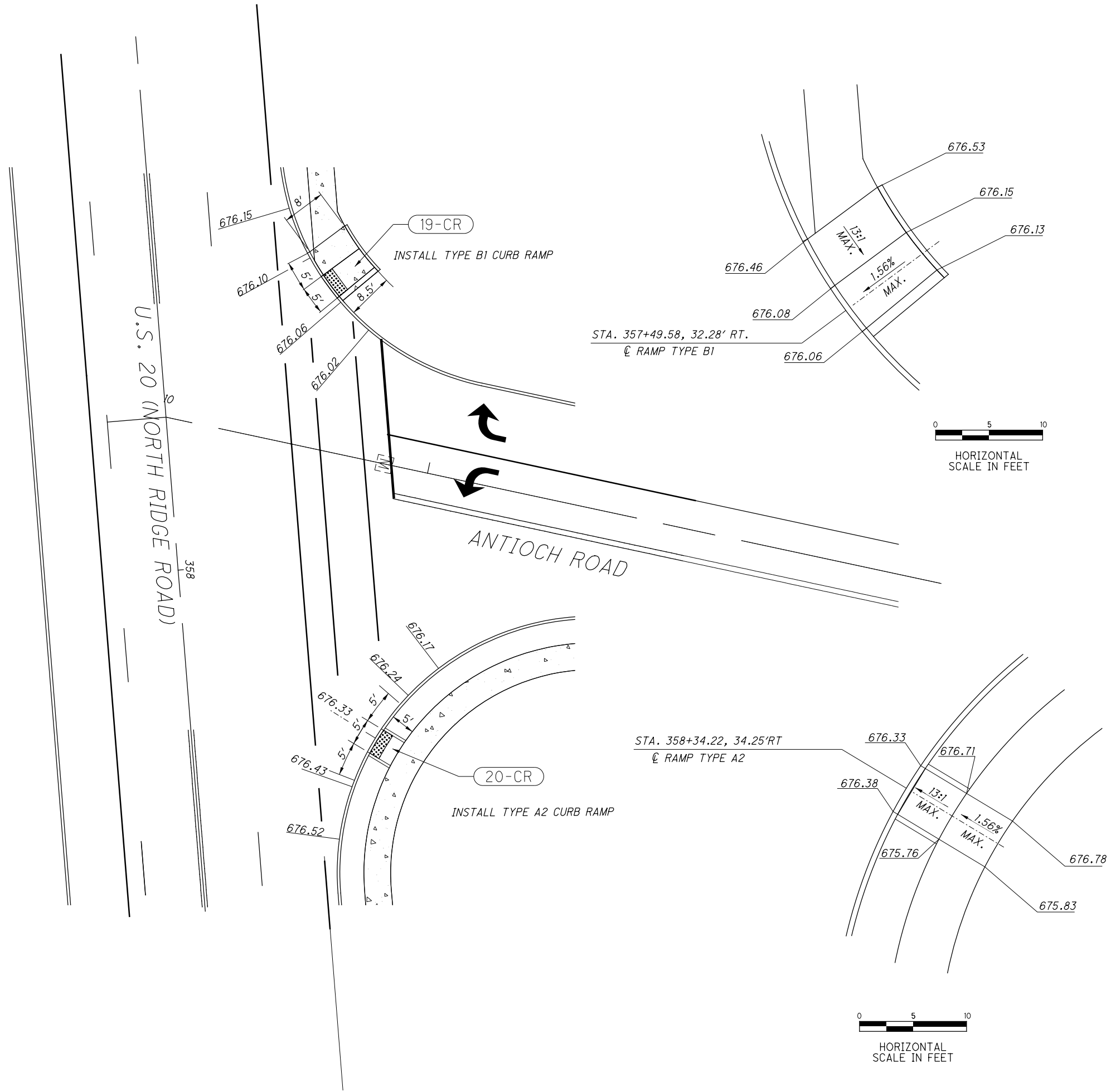
CHECKED  
EJT

0 5 10  
HORIZONTAL SCALE IN FEET

**CURB RAMP PLAN SHEET**  
**PARMLY AND RED MILL ROAD**

**LAK-US-20-19.59**  
**PART 1**

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CALCULATED  
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CHECKED  
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HORIZONTAL  
SCALE IN FEET

0 5 10  
HORIZONTAL  
SCALE IN FEET

**CURB RAMP PLAN SHEET**  
**U.S. 20 AND ANTIOCH ROAD**

**LAK-US-20-19.59**  
**PART 1**

873  
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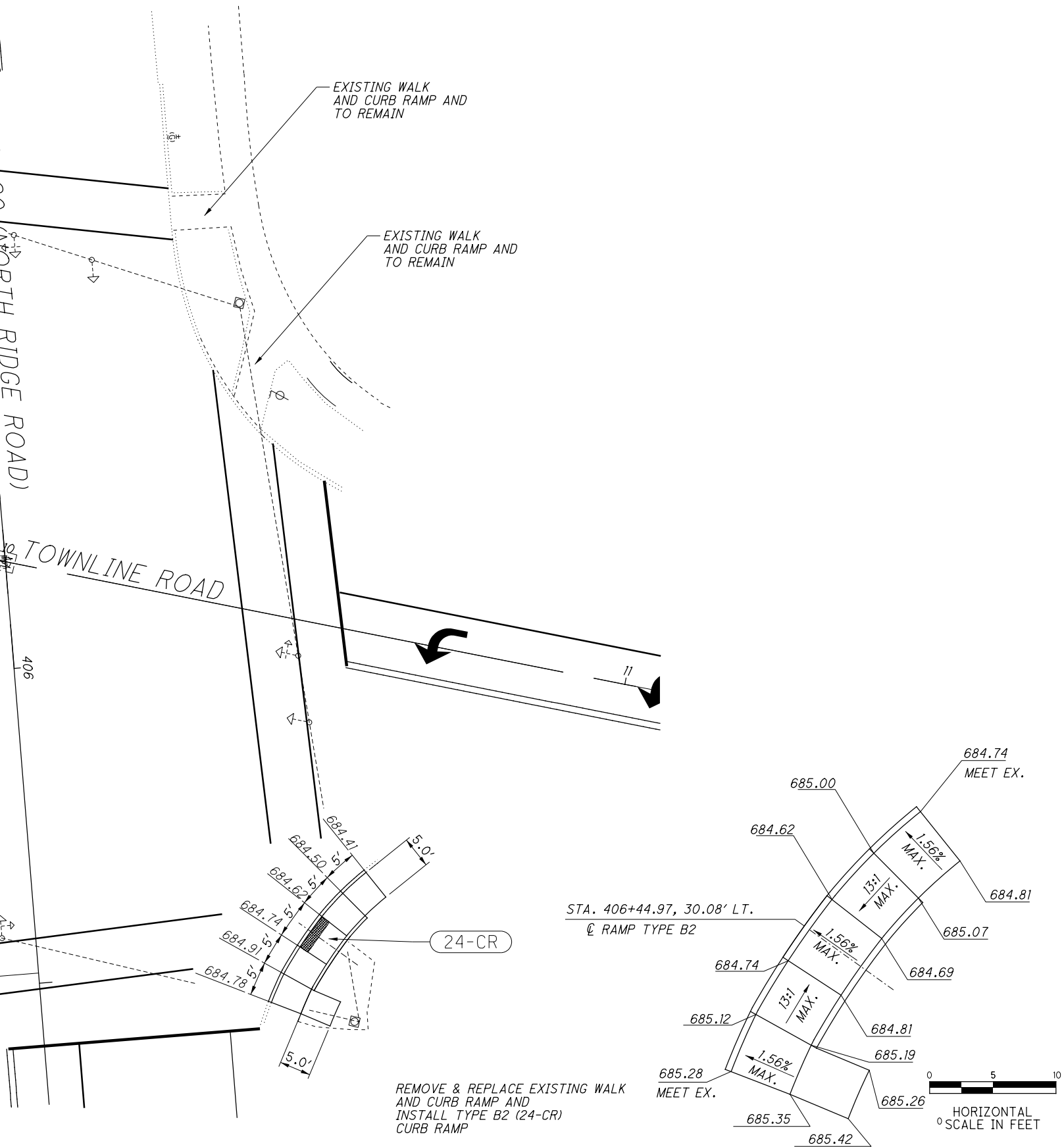
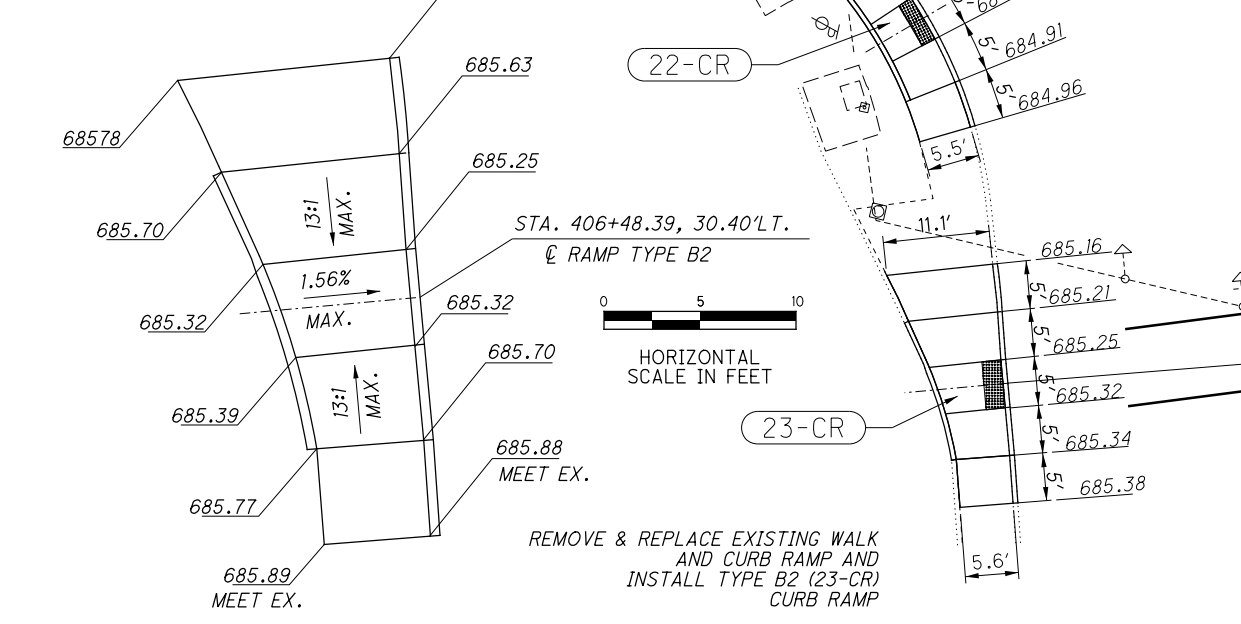
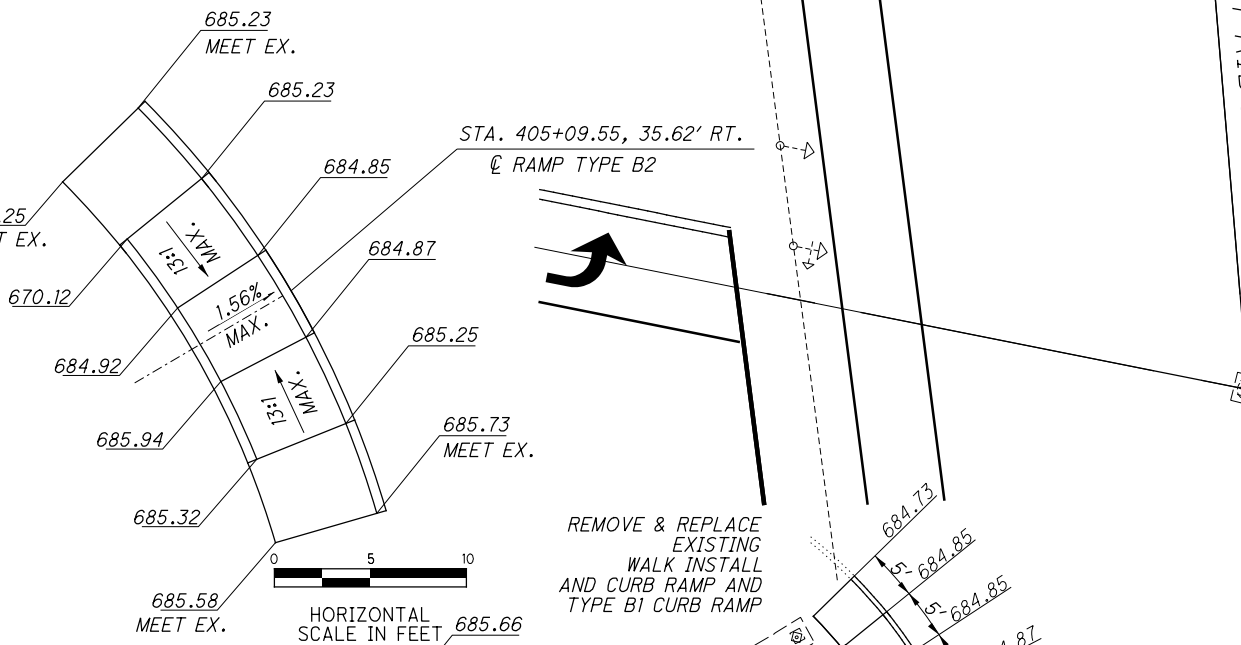
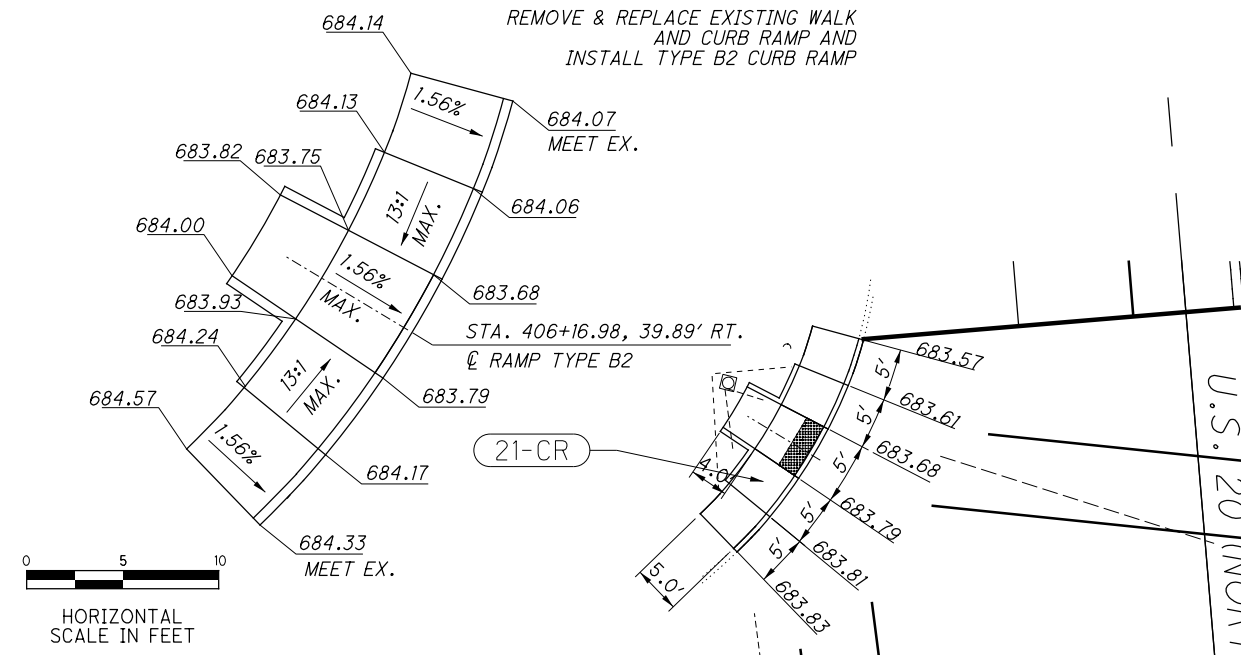
CALCULATED  
CWH  
CHECKED  
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**CURB RAMP PLAN SHEET**  
**U.S. 20 AND TOWNLINE ROAD**

**LAK-US-20-19.59**  
**PART 1**

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	646	646	646	646	646	646	646	646	646	646	646	621																	
					CENTER LINE	EDGE LINE, 6"	LANE LINE, 6"	STOP LINE	CROSSWALK LINE, 12"	CHANNELIZING LINE, 12"	TRANSVERSE/DIAGONAL LINE	DOTTED LINE, 6"	CHEVRON MARKING	ISLAND MARKING	LANE ARROW	RPM	MILE	MILE	MILE	FT	FT	FT	FT	FT	FT	SF	EACH	EACH					
CL-1	883	93+75.00	TO	95+50	C/L	0.033											2																
EL-1	883	94+00, 19' LT	TO	95+50	LT		0.028										2																
EL-2	883	94+00, 19' RT	TO	95+50	RT		0.028										2																
CL-1	884	95+50	TO	100+50	C/L	0.095											6																
EL-1	884	95+50	TO	100+50	LT		0.095										6																
EL-2	884	95+50	TO	100+50	RT		0.095										6																
CL-1	885	100+50	TO	105+50	C/L	0.095											6																
CH-1	885	888+12	TO	888+44	LT					32							4																
CH-2	885	105+16, 12' LT	TO	105+50	LT					34							1																
CH-3	885	888+12	TO	888+44	LT					32							1																
CM-1	885	105+16			LT						27																						
EL-1	885	100+50, 12' LT	TO	105+16, 12' LT	LT		0.089										5																
EL-2	885	100+50, 12' RT	TO	105+50, 12' RT	RT		0.095										6																
EL-3	885	885+50	TO	888+44	LT		0.056										4																
EL-4	885	885+50	TO	888+12	LT		0.050										3																
EL-5	885	887+50	TO	889+65	C/L		0.041																										
EL-6	885	887+50	TO	889+65	RT		0.041																										
LL-1	885	885+50	TO	888+12	LT			0.050									3																
CL-1	886	105+50	TO	109+50	C/L	0.076											5																
CL-2	886	108+00	TO	109+50	RT	0.028											2																
CH-1	886	105+50	TO	106+81	LT					131							4																
CH-2	886	105+50	TO	106+81	LT					131							3																
CH-3	886	108+00	TO	110+50	RT					250							6																
CH-4	886	892+28	TO	894+73	RT					245							5																
CH-5	886	888+44	TO	893+45	LT					501							13																
CM-1	886	105+50	TO	106+81	LT						45																						
CM-2	886	108+00	TO	110+50	RT						106																						
EL-1	886	105+50	TO	110+50	LT		0.095										6																
EL-2	886	105+50	TO	108+00	RT		0.047										3																
EL-3	886	109+50	TO	110+50	LT		0.019										1																
EL-4	886	109+50	TO	110+50	RT		0.019										2																
EL-5	886	889+65	TO	892+28	RT		0.050										6																
EL-6	886	889+65	TO	894+73	RT		0.096										9																
LA-1	886	110+50			LT										1																		
LA-2	886	110+50			LT										1																		
TL-1	886	108+00	TO	109+50	RT					20																							
IMY	886	109+50	TO	109+56	CL								24																				
CH-1	887	110+50	TO	113+95	RT					345							9																
CH-2	887	110+50	TO	113+95	RT					345							8																
CM-1	887	110+50	TO	113+95	RT						47																						
DL-1	887	110+50	TO	115+50	LT						500						6																
EL-1	887	110+50	TO	115+50	LT		0.095										6																
EL-2	887	110+50	TO	115+50	LT		0.095										6																
EL-3	887	110+50	TO	115+50	RT		0.095										6																
EL-4	887	110+50	TO	115+50	RT		0.095										6																
LA-1	887	114+50			LT										1																		
LA-2	887	114+50			LT										1																		
LL-1	887	113+95	TO	115+50	RT			0.029									1																
CL-1	888	119+80	TO	120+50	C/L	0.013											1																
DL-1	888	115+50	TO	118+50	LT					300							5																
EL-1	888	115+50	TO	119+32	LT		0.072										5																
EL-2	888	115+50	TO	119+00	LT		0.066										4																
EL-3	888	115+50	TO	119+00	RT		0.066										4																
EL-4	888	115+50	TO	120+50	RT		0.095										5																
EL-5	888	102+50	TO	102+83	LT		0.006																										
IM-1	888	119+00			LT & RT							12.7																					
LA-1	888	118+50			LT										1																		
LA-2	888	118+50			LT										1																		
LL-1	888	115+50	TO	120+50	RT			0.095									6																
LL-2	888	118+50	TO	120+50	LT			0.039									5																
SUBTOTALS CARRIED TO SHEET 882						0.34	1.63	0.21				2046	20	800	225		37	6	205														

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**PAVEMENT MARKING SUBSUMMARY**

**LAK-US-20-19.59  
PART 1**

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					CENTER LINE	EDGE LINE, 6"	LANE LINE, 6"	STOP LINE	CROSSWALK LINE, 12"	CHANNELIZING LINE, 12"	TRANSVERSE/DIAGONAL LINE	DOTTED LINE, 6"	CHEVRON MARKING		ISLAND MARKING	LANE ARROW	RPM						
					MILE	MILE	MILE	FT	FT	FT	FT	FT	FT		SF	EACH							
CL-1	889	120+50	TO	123+82.65 BK	C/L	0.063																	
CL-1	889	136+51.41 AH	TO	138+50	C/L	0.038																	
EL-1	889	120+50	TO	120+85	RT		0.007																
LL-1	889	120+50	TO	123+82.65 BK	LT			0.063															
LL-1	889	136+51.41 AH		138+50	LT			0.038															
LL-2	889	120+50	TO	123+82.65 BK	RT			0.063															
LL-2	889	136+51.41 AH	TO	138+50	RT			0.038															
CL-1	890	138+50	TO	143+50	C/L	0.095																	
LL-1	890	138+50	TO	143+50	LT			0.095															
LL-2	890	138+50	TO	143+50	RT			0.095															
CL-1	891	143+50	TO	144+49	C/L	0.019																	
CL-2	891	145+29	TO	148+50	C/L	0.061																	
CL-3	891	2+26	TO	2+95	RT	0.013																	
LL-1	891	143+50	TO	148+50	LT			0.095															
LL-2	891	143+50	TO	148+50	RT			0.095															
SL-1	891	2+95			RT				22														
CL-1	892	148+50	TO	153+50	C/L	0.095																	
LL-1	892	148+50	TO	153+50	LT			0.095															
LL-2	892	148+50	TO	153+50	RT			0.095															
CL-1	893	153+50	TO	158+50	C/L	0.095																	
LL-1	893	153+50	TO	158+50	LT			0.095															
LL-2	893	153+50	TO	158+50	RT			0.095															
CL-1	894	158+50	TO	163+50	C/L	0.095																	
LL-1	894	158+50	TO	163+50	LT			0.095															
LL-2	894	158+50	TO	163+50	RT			0.095															
CL-1	895	163+50	TO	168+50	C/L	0.095																	
CL-2	895	167+85	TO	168+50	RT	0.012																	
EL-1	895	168+10	TO	168+50	RT		0.008																
LL-1	895	163+50	TO	168+50	LT			0.095															
LL-2	895	163+50	TO	168+50	RT			0.095															
TL-1	895	167+85	TO	168+50	RT					2													
CL-1	896	168+50	TO	172+75	C/L	0.08																	
CL-2	896	168+50	TO	171+10	RT	0.05																	
CL-3	896	17+50	TO	19+55	RT	0.04																	
EL-1	896	168+53	TO	173+50	LT	0.094																	
EL-2	896	168+50	TO	173+50	RT	0.095																	
CH-1	896	171+35	TO	172+75	RT						140												
CH-2	896	17+75	TO	19+55	RT						180												
CW-1	896	173+00			LT & RT					149													
CW-2	896	173+00			RT					162													
LA-1	896	171+47			RT										1								
LA-2	896	172+06			RT										1								
LA-3	896	172+65			RT										1								
LA-4	896	17+87			RT										1								
LA-5	896	18+40			RT										1								
LA-6	896	18+93			RT										1								
LA-7	896	19+46			RT										1								
LL-1	896	168+50	TO	172+75	LT			0.08															
LL-2	896	168+50	TO	172+75	RT			0.08															
SL-1	896	172+65			RT				39														
SL-2	896	19+55			RT				26														
TL-1	896	168+50	TO	171+10	RT						94												
<b>SUBTOTALS CARRIED TO SHEET 882</b>						1.04	0.02	1.50	87	311	320	96			7		162						

**PAVEMENT MARKING SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
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					CENTER LINE	EDGE LINE, 6"	LANE LINE, 6"	STOP LINE	CROSSWALK LINE, 12"	CHANNELIZING LINE, 12"	TRANSVERSE/DIAGONAL LINE	DOTTED LINE, 6"	CHEVRON MARKING	ISLAND MARKING	LANE ARROW	RPM	MILE	MILE	MILE	FT	FT	FT	FT
CL-1	897	174+23	TO	178+50	C/L	0.08										6							
CL-2	897	20+63	TO	21+35	LT	0.014										3							
EL-1	897	173+50	TO	178+50	LT		0.095																
EL-2	897	173+50	TO	176+66	RT		0.06																
EL-3	897	177+82	TO	178+50	RT		0.013																
CH-1	897	174+23	TO	178+50	LT						427					11							
CH-2	897	175+12	TO	177+30	RT						218					6							
CH-3	897	20+63	TO	21+21	LT						58					3							
CW-1	897	174+00			LT & RT				150														
CW-2	897	173+50			LT				136														
LA-1	897	174+33			LT										1								
LA-2	897	174+98			LT										1								
LA-3	897	175+63			LT										1								
LA-4	897	176+28			LT										1								
LA-5	897	176+93			LT										1								
LA-6	897	177+58			LT										1								
LA-7	897	178+23			LT										1								
LA-8	897	175+30			RT										1								
LA-9	897	175+96			RT										1								
LA-10	897	176+62			RT										1								
LA-11	897	20+73			LT										1								
LA-12	897	21+09			LT										1								
LL-1	897	174+23	TO	178+50	LT		0.08									5							
LL-2	897	174+23	TO	178+50	RT		0.08									5							
SL-1	897	174+23			LT			36															
SL-2	897	20+63			LT			30															
CL-1	898	178+50	TO	183+50	C/L	0.095										7							
CL-2	898	179+25	TO	182+50	RT	0.061										6							
EL-1	898	178+50	TO	181+88	LT		0.064																
EL-2	898	178+50	TO	182+00	RT		0.066																
CH-1	898	178+50	TO	179+00	LT						50					1							
LA-1	898	178+88			LT										1								
LL-1	898	178+50	TO	183+50	LT		0.095									6							
LL-2	898	178+50	TO	183+50	RT		0.095									6							
TL-1	898	179+25	TO	182+50	LT						96												
CL-1	899	183+50	TO	188+50	C/L	0.095										6							
CL-2	899	10+44	TO	11+25	LT	0.015										2							
LL-1	899	183+50	TO	188+50	LT		0.095									6							
LL-2	899	183+50	TO	188+50	RT		0.095									6							
SL-1	899	10+44			LT			12															
CL-1	900	188+50	TO	193+50	C/L	0.095										6							
LL-1	900	188+50	TO	193+50	LT		0.095									6							
LL-2	900	188+50	TO	193+50	RT		0.095									7							
CL-1	901	193+50	TO	198+50	C/L	0.095										6							
LL-1	901	193+50	TO	198+50	LT		0.095									6							
LL-2	901	193+50	TO	198+50	RT		0.095									6							
CL-1	902	198+50	TO	203+50	C/L	0.095										6							
LL-1	902	198+50	TO	203+50	LT		0.095									6							
LL-2	902	198+50	TO	203+50	RT		0.095									6							
CL-1	903	203+50	TO	208+50	C/L	0.095										6							
LL-1	903	203+50	TO	208+50	LT		0.095									6							
LL-2	903	203+50	TO	208+50	RT		0.095									6							
CL-1	904	208+50	TO	213+50	C/L	0.095										7							
LL-1	904	208+50	TO	213+50	LT		0.095									7							
LL-2	904	208+50	TO	213+50	RT		0.095									7							
SUBTOTALS CARRIED TO SHEET 882						0.84	0.30	1.49	78	286	753	96			13		179						

CALCULATED  
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**PAVEMENT MARKING SUBSUMMARY**

**LAK-US-20-19.59**

**PART 1**

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	646	646	646	646	646	646	646	646	646	646	646	621						
					CENTER LINE	EDGE LINE, 6"	LANE LINE, 6"	STOP LINE	CROSSWALK LINE, 12"	CHANNELIZING LINE, 12"	TRANSVERSE/DIAGONAL LINE	DOTTED LINE, 6"	CHEVRON MARKING		ISLAND MARKING	LANE ARROW	RPM					
					MILE	MILE	MILE	FT	FT	FT	FT	FT	FT		SF	EACH		EACH				
CL-1	917	273+50	TO	278+50	C/L	0.095												7				
CL-2	917	273+50	TO	275+98	RT	0.05												4				
CH-1	917	276+23	TO	278+50	RT						227							6				
LA-1	917	276+35			RT											1						
LA-2	917	276+89			RT											1						
LA-3	917	277+43			RT											1						
LA-4	917	277+97			RT											1						
LA-5	917	278+51			RT											1						
LL-1	917	273+50	TO	278+50	LT			0.095										6				
LL-2	917	273+50	TO	278+50	RT			0.095										6				
TL-1	917	273+50	TO	275+98	RT						90											
EL-1	917	273+50		278+50	LT			0.095										6				
EL-2	917	273+50		278+50	RT			0.095										11				
CL-1	918	278+50	TO	279+15	C/L	0.0123												1				
CL-2	918	281+00	TO	283+50	C/L	0.047												4				
CL-3	918	283+00	TO	283+50	LT	0.0095												2				
CL-4	918	8+50	TO	9+43	RT	0.018												2				
CL-5	918	10+61	TO	11+50	LT	0.017												2				
CH-1	918	278+50	TO	279+15	RT						65							2				
CH-2	918	281+00	TO	282+76	LT						176							5				
CH-3	918	8+50	TO	9+43	RT						93							3				
CH-4	918	10+61	TO	11+50	LT						89							3				
CH-5	918	10+61	TO	11+50	LT						89							3				
CW-1	918	279+22			LT & RT					135												
CW-2	918	280+70			LT & RT					146												
CW-3	918	280+00			RT					159												
CW-4	918	280+00			LT					191												
LA-1	918	279+05			RT											1						
LA-2	918	281+11			LT											1						
LA-3	918	281+62			LT											1						
LA-4	918	282+13			LT											1						
LA-5	918	282+64			LT											1						
LA-6	918	8+73			RT											1						
LA-7	918	9+33			RT											1						
LA-8	918	10+71			RT											1						
LA-9	918	11+07			RT											1						
LA-10	918	11+43			RT											1						
LA-11	918	10+71			LT											1						
LA-12	918	11+07			LT											1						
LA-13	918	11+43			LT											1						
LL-1	918	278+50	TO	279+15	LT			0.0123										1				
LL-2	918	278+50	TO	279+15	RT			0.0123										1				
LL-3	918	281+00	TO	283+50	LT			0.047										3				
LL-4	918	281+00	TO	283+50	RT			0.047										3				
SL-1	918	279+15			RT					38												
SL-2	918	281+00			LT					39												
SL-3	918	9+43			RT					27												
SL-4	918	10+61			LT					39												
TL-1	918	283+00	TO	283+50	LT							26										
EL-1	918	278+50	TO	283+50	LT			0.095										8				
EL-2	918	278+50	TO	283+50	RT			0.095										5				
CL-1	919	283+50	TO	288+50	C/L	0.095												7				
CL-2	919	283+50	TO	286+26	RT	0.052												4				
LL-1	919	283+50	TO	288+50	LT			0.095										7				
LL-2	919	283+50	TO	288+50	RT			0.095										7				
TL-1	919	283+50	TO	286+26	RT						70											
EL-1	919	283+50	TO	286+26	LT													5				
EL-2	919	283+50	TO	286+26	RT													4				
SUBTOTALS CARRIED TO SHEET 882						0.40	0.38	0.50	143	631	739	186				18		128				

CALCULATED  
 ARK  
 CHECKED  
 EJT  
**PAVEMENT MARKING SUBSUMMARY**  
**LAK-US-20-19.59**  
**PART 1**

879  
1253

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	646																	621					
					CENTER LINE	EDGE LINE, 6"	LANE LINE, 6"	STOP LINE	CROSSWALK LINE, 12"	CHANNELIZING LINE, 12"	TRANSVERSE/DIAGONAL LINE	DOTTED LINE, 6"	CHEVRON MARKING	ISLAND MARKING	LANE ARROW	RPM											
					MILE	MILE	MILE	FT	FT	FT	FT	FT	FT	FT	FT	SF	EACH	EACH									
CL-1	920	288+50	TO 293+50	C/L	0.095													6									
LL-1	920	288+50	TO 293+50	LT			0.095											6									
LL-2	920	288+50	TO 293+50	RT			0.095											6									
CL-1	921	293+50	TO 298+50	C/L	0.095													6									
LL-1	921	293+50	TO 298+50	LT			0.095											6									
LL-2	921	293+50	TO 298+50	RT			0.095											6									
CL-1	922	298+50	TO 303+50	C/L	0.095													6									
LL-1	922	298+50	TO 303+50	LT			0.095											6									
LL-2	922	298+50	TO 303+50	RT			0.095											6									
CL-1	923	303+50	TO 308+50	C/L	0.095													7									
LL-1	923	303+50	TO 308+50	LT			0.095											7									
LL-2	923	303+50	TO 308+50	RT			0.095											7									
CL-1	924	308+50	TO 313+50	C/L	0.095													5									
CL-2	924	10+35	TO 11+00	LT	0.012													2									
CL-3	924	10+34	TO 11+10	LT	0.014													2									
CW-1	924	10+86		LT					55																		
LL-1	924	308+50	TO 313+50	LT			0.095											5									
LL-2	924	308+50	TO 313+50	RT			0.095											6									
SL-1	924	10+35		LT				21																			
SL-2	924	10+95		LT				10																			
SL-3	924	10+34		LT				10																			
CL-1	925	313+50	TO 318+50	C/L	0.095													6									
CL-2	925	10+50	TO 11+15	LT	0.0123													2									
LL-1	925	313+50	TO 318+50	LT			0.095											5									
LL-2	925	313+50	TO 318+50	RT			0.095											6									
SL-1	925	318+10		LT				17																			
CL-1	926	318+50	TO 323+50	C/L	0.095													5									
LL-1	926	318+50	TO 323+50	LT			0.095											5									
LL-2	926	318+50	TO 323+50	RT			0.095											6									
CL-1	927	323+50	TO 328+50	C/L	0.095													7									
LL-1	927	323+50	TO 328+50	LT			0.095											7									
LL-2	927	323+50	TO 328+50	RT			0.095											7									
CL-1	928	328+50	TO 333+50	C/L	0.095													5									
CL-2	928	8+25	TO 9+63	RT	0.026													2									
EL-1	928	8+25	TO 9+63	RT			0.026											4									
EL-2	928	8+25	TO 9+63	RT			0.026																				
LL-1	928	328+50	TO 333+50	LT			0.095											6									
LL-2	928	328+50	TO 333+50	RT			0.095											5									
SL-1	928	9+63		RT				19																			
CL-1	929	333+50	TO 339+00	C/L	0.094													6									
LL-1	929	333+50	TO 339+00	LT			0.094											6									
LL-2	929	333+50	TO 339+00	RT			0.094											6									
CL-1	930	339+00	TO 344+00	C/L	0.095													6									
LL-1	930	339+00	TO 344+00	LT			0.095											6									
LL-2	930	339+00	TO 344+00	RT			0.095											6									
SUBTOTALS CARRIED TO SHEET 882					1.11	0.05	2.09	77	55									209									

**PAVEMENT MARKING SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
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REF NO.	SHEET NO.	STATION TO STATION		SIDE	646																	621				
					CENTER LINE	EDGE LINE, 6"	LANE LINE, 6"	STOP LINE	CROSSWALK LINE, 12"	CHANNELIZING LINE, 12"	TRANSVERSE/DIAGONAL LINE	DOTTED LINE, 6"	CHEVRON MARKING		ISLAND MARKING	LANE ARROW	RPM									
					MILE	MILE	MILE	FT	FT	FT	FT	FT	FT		SF	EACH		EACH								
CL-1	931	344+00	TO 349+00	C/L	0.095													6								
LL-1	931	344+00	TO 349+00	LT			0.095											6								
LL-2	931	344+00	TO 349+00	RT			0.095											6								
CL-1	932	349+00	TO 354+00	C/L	0.095													7								
LL-1	932	349+00	TO 354+00	LT			0.095											7								
LL-2	932	349+00	TO 354+00	RT			0.095											7								
CL-1	933	354+00	TO 359+00	C/L	0.095													5								
CL-2	933	10+45	TO 11+00	LT	0.01													1								
CH-1	933	10+45	TO 11+00	LT							55							3								
CW-1	933	357+50		LT					171																	
LA-1	933	10+55		LT												1										
LA-2	933	10+55		LT												1										
LL-1	933	354+00	TO 359+00	LT			0.095											5								
LL-2	933	354+00	TO 359+00	RT			0.095											6								
SL-1	933	10+45		LT				27																		
CL-1	934	359+00	TO 364+00	C/L	0.095													6								
LL-1	934	359+00	TO 364+00	LT			0.095											6								
LL-2	934	359+00	TO 364+00	RT			0.095											6								
CL-1	935	364+00	TO 369+00	C/L	0.095													6								
LL-1	935	364+00	TO 369+00	LT			0.095											6								
LL-2	935	364+00	TO 369+00	RT			0.095											6								
CL-1	936	369+00	TO 374+00	C/L	0.095													7								
LL-1	936	369+00	TO 374+00	LT			0.095											7								
LL-2	936	369+00	TO 374+00	RT			0.095											7								
CL-1	937	374+00	TO 379+00	C/L	0.095													6								
LL-1	937	374+00	TO 379+00	LT			0.095											6								
LL-2	937	374+00	TO 379+00	RT			0.095											6								
CL-1	938	379+00	TO 384+00	C/L	0.095													6								
LL-1	938	379+00	TO 384+00	LT			0.095											6								
LL-2	938	379+00	TO 384+00	RT			0.095											6								
CL-1	939	384+00	TO 389+00	C/L	0.095													6								
LL-1	939	384+00	TO 389+00	LT			0.095											6								
LL-2	939	384+00	TO 389+00	RT			0.095											6								
CL-1	940	389+00	TO 394+00	C/L	0.095													7								
LL-1	940	389+00	TO 394+00	LT			0.095											7								
LL-2	940	389+00	TO 394+00	RT			0.095											7								
CL-1	941	394+00	TO 399+00	C/L	0.095													6								
LL-1	941	394+00	TO 399+00	LT			0.095											6								
LL-2	941	394+00	TO 399+00	RT			0.095											6								
CL-1	942	399+00	TO 404+00	C/L	0.095													7								
CL-2	942	399+83	TO 403+08	RT	0.062													5								
CH-1	942	403+33	TO 404+00	RT							67							2								
EL-1	942	400+34	TO 404+00	LT			0.069											1								
EL-2	942	400+10	TO 404+00	RT			0.074											9								
LA-1	942	403+45		RT												1										
LA-2	942	403+95		RT												1										
LL-1	942	399+00	TO 404+00	LT			0.095											6								
LL-2	942	399+00	TO 404+00	RT			0.095											6								
SUBTOTALS CARRIED TO SHEET 882					1.21	0.14	2.28	27	171	122						4		245								

**PAVEMENT MARKING SUBSUMMARY**

**LAK-US-20-19.59  
PART 1**

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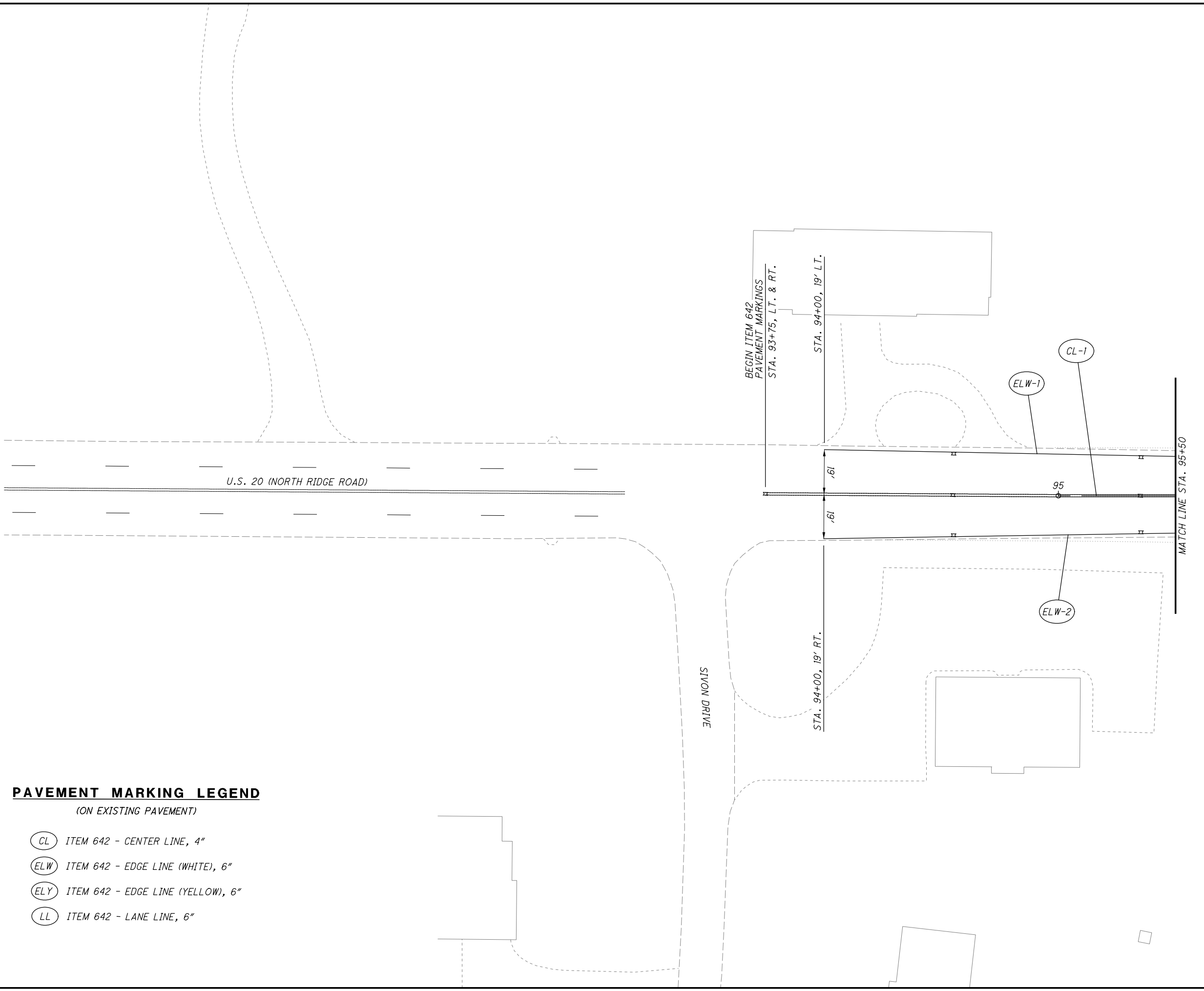
REF NO.	SHEET NO.	STATION TO STATION		SIDE	646	646	646	646	646	646	646	646	646	646	621								
					CENTER LINE	EDGE LINE, 6"	LANE LINE, 6"	STOP LINE	CROSSWALK LINE, 12"	CHANNELIZING LINE, 12"	TRANSVERSE/DIAGONAL LINE	DOTTED LINE, 6"	CHEVRON MARKING		ISLAND MARKING	LANE ARROW	RPM						
					MILE	MILE	MILE	FT	FT	FT	FT	FT	FT		SF	EACH		EACH					
TL-1	942	400+00	TO	403+08								93											
CL-1	943	404+00	TO	405+05	C/L	0.020												2					
CL-2	943	406+60	TO	409+00	C/L	0.045												3					
CL-3	943	408+57	TO	409+00	LT	0.008												1					
CL-4	943	8+50	TO	9+44	RT	0.018												2					
CL-5	943	10+56	TO	11+50	LT	0.018												2					
CH-1	943	404+00	TO	405+05	RT						105							3					
CH-2	943	406+60	TO	408+32	LT						172							5					
CH-3	943	8+50	TO	9+44	RT						94							3					
CH-4	943	10+56	TO	11+50	LT						94							3					
CW-1	943	405+21			LT & RT				141														
CW-2	943	406+39			LT & RT				141														
CW-3	943	406+00			RT				149														
CW-4	943	406+00			LT				149														
LA-1	943	404+45			RT											1							
LA-2	943	404+95			RT											1							
LA-3	943	406+70			LT											1							
LA-4	943	407+20			LT											1							
LA-5	943	407+70			LT											1							
LA-6	943	408+20			LT											1							
LA-7	943	8+62			C/L											1							
LA-8	943	8+98			C/L											1							
LA-9	943	9+34			RT											1							
LA-10	943	10+66			LT											1							
LA-11	943	11+03			LT											1							
LA-12	943	11+38			C/L											1							
LL-1	943	404+00	TO	405+05	LT		0.020											2					
LL-2	943	404+00	TO	405+05	RT		0.020											2					
LL-3	943	406+60	TO	409+00	LT		0.045											3					
LL-4	943	406+60	TO	409+00	RT		0.045											3					
SL-1	943	405+05			RT				39														
SL-2	943	406+60			LT				40														
SL-3	943	9+44			RT				28														
SL-4	943	10+56			LT				28														
TL-1	943	408+57	TO	409+00	LT						18												
EL-1	943	404+00	TO	405+05	LT													2					
EL-2	943	404+00	TO	405+05	RT													3					
EL-3	943	406+60	TO	409+00	LT													6					
EL-4	943	406+60	TO	409+00	RT													3					
CL-1	944	409+00	TO	412+90	C/L	0.074												6					
CL-2	944	409+00	TO	411+82	RT	0.053												3					
LL-1	944	409+00	TO	412+90	LT		0.074											5					
LL-2	944	409+00	TO	412+90	RT		0.074											5					
TL-1	944	409+00	TO	411+82	RT						75												
EL-1	944	409+00	TO	411+82	LT													6					
EL-2	944	409+00	TO	411+82	RT													4					
SUBTOTALS THIS SHEET						0.24		0.28	135	580	483	168				12		77					
SUBTOTALS FROM SHEET 875						0.34	1.63	0.21			2046	20	800	225		37	6	205					
SUBTOTALS FROM SHEET 876						1.04	0.02	1.50	87	311	320	96				7	162						
SUBTOTALS FROM SHEET 877						0.84	0.30	1.49	78	286	753	96				13	179						
SUBTOTALS FROM SHEET 878						1.21	0.01	2.28	25		5					222							
SUBTOTALS FROM SHEET 879						0.40	0.38	0.50	143	631	739	186			18	128							
SUBTOTALS FROM SHEET 880						1.11	0.05	2.09	77	55						209							
SUBTOTALS FROM SHEET 881						1.21	0.14	2.28	27	171	122				4	245							
SUBTOTAL						6.39	2.53	10.63	572	2034	4463	571	800	225	37	60	1427						
TOTALS CARRIED TO GENERAL SUMMARY						6.39	2.53	10.63	572	2034	4463	571	800	225	37	60	1427						

**PAVEMENT MARKING SUBSUMMARY**

**LAK-US-20-19.59 PART 1**

CALCULATED  
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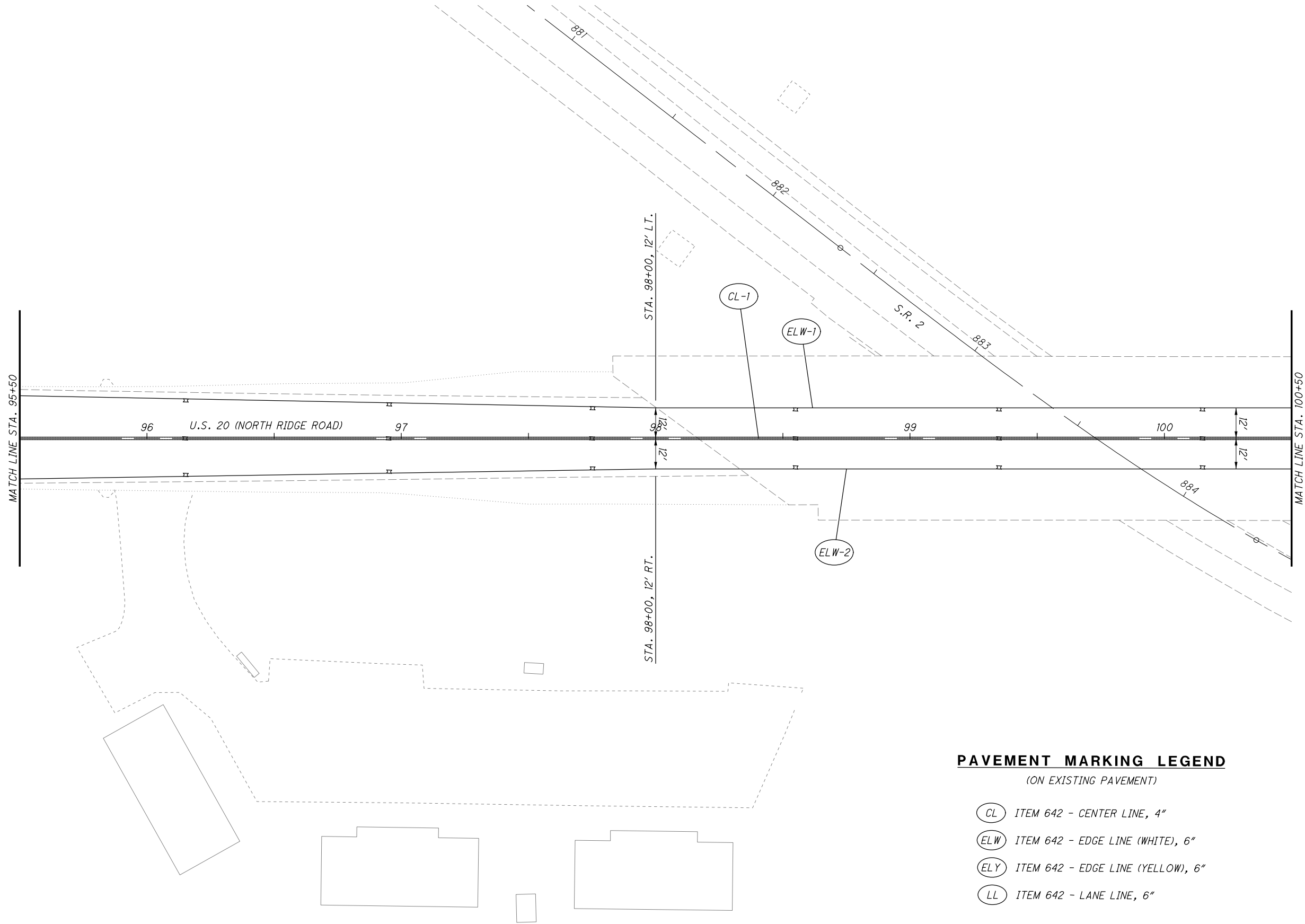
- PAVEMENT MARKING LEGEND**  
 (ON EXISTING PAVEMENT)
- (CL) ITEM 642 - CENTER LINE, 4"
  - (ELW) ITEM 642 - EDGE LINE (WHITE), 6"
  - (ELY) ITEM 642 - EDGE LINE (YELLOW), 6"
  - (LL) ITEM 642 - LANE LINE, 6"

CALCULATED	JDC
CHECKED	EJT

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 90+50 TO STA. 95+50**

**LAK-US-20-19.59**  
**PART 1**



**PAVEMENT MARKING LEGEND**

(ON EXISTING PAVEMENT)

- (CL) ITEM 642 - CENTER LINE, 4"
- (ELW) ITEM 642 - EDGE LINE (WHITE), 6"
- (ELY) ITEM 642 - EDGE LINE (YELLOW), 6"
- (LL) ITEM 642 - LANE LINE, 6"



CALCULATED	JDC
CHECKED	EJT

**PAVEMENT MARKING PLAN  
STA. 95+50 TO STA. 100+50**

**LAK-US-20-19.59  
PART 1**

884  
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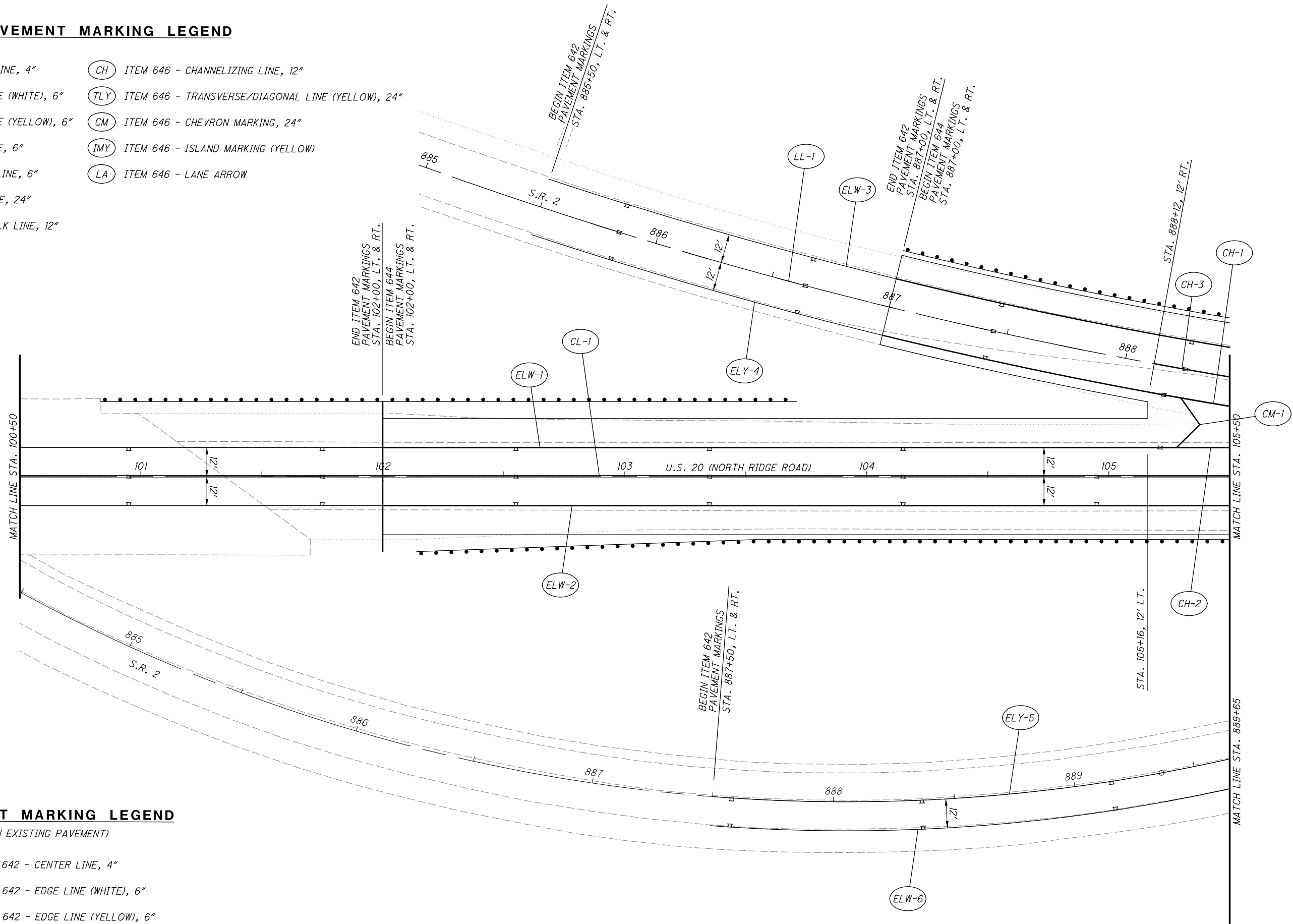
### PAVEMENT MARKING LEGEND

- (CL) ITEM 646 - CENTER LINE, 4"
- (ELW) ITEM 646 - EDGE LINE (WHITE), 6"
- (ELY) ITEM 646 - EDGE LINE (YELLOW), 6"
- (LL) ITEM 646 - LANE LINE, 6"
- (DL) ITEM 646 - DOTTED LINE, 6"
- (SL) ITEM 646 - STOP LINE, 24"
- (CW) ITEM 646 - CROSSWALK LINE, 12"
- (CH) ITEM 646 - CHANNELIZING LINE, 12"
- (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24"
- (CM) ITEM 646 - CHEVRON MARKING, 24"
- (IMY) ITEM 646 - ISLAND MARKING (YELLOW)
- (LA) ITEM 646 - LANE ARROW

### PAVEMENT MARKING LEGEND

(ON EXISTING PAVEMENT)

- (CL) ITEM 642 - CENTER LINE, 4"
- (ELW) ITEM 642 - EDGE LINE (WHITE), 6"
- (ELY) ITEM 642 - EDGE LINE (YELLOW), 6"
- (LL) ITEM 642 - LANE LINE, 6"



CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

## PAVEMENT MARKING PLAN

### STA. 100+50 TO STA. 105+50

## LAK-US-20-19.59

### PART 1

885  
1253

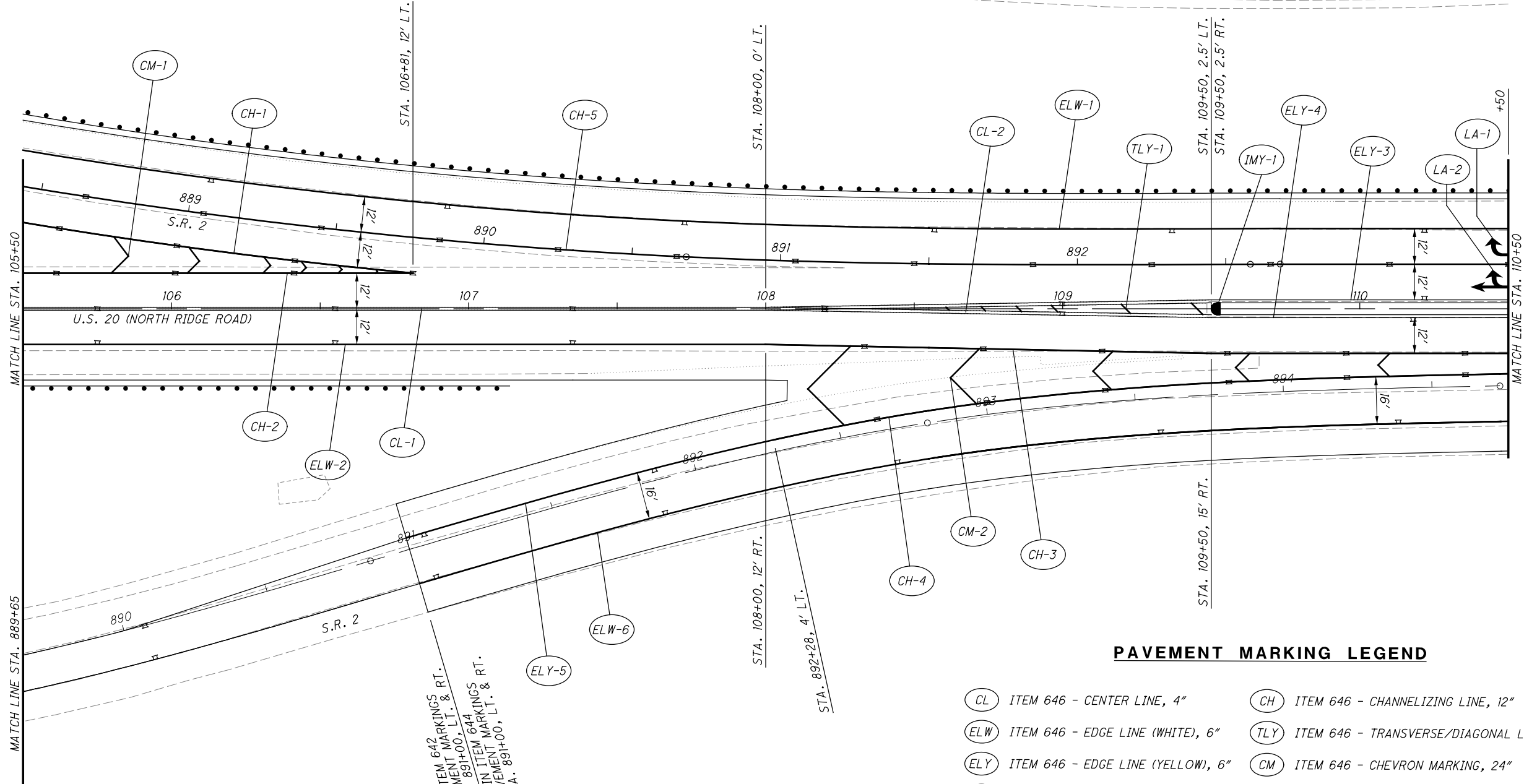


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**PAVEMENT MARKING LEGEND**

(ON EXISTING PAVEMENT)

- (CL) ITEM 642 - CENTER LINE, 4"
- (ELW) ITEM 642 - EDGE LINE (WHITE), 6"
- (ELY) ITEM 642 - EDGE LINE (YELLOW), 6"
- (LL) ITEM 642 - LANE LINE, 6"



END ITEM 642  
PAVEMENT MARKINGS  
STA. 891+00, L.T. & RT.  
BEGIN ITEM 644  
PAVEMENT MARKINGS  
STA. 891+00, L.T. & RT.

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |



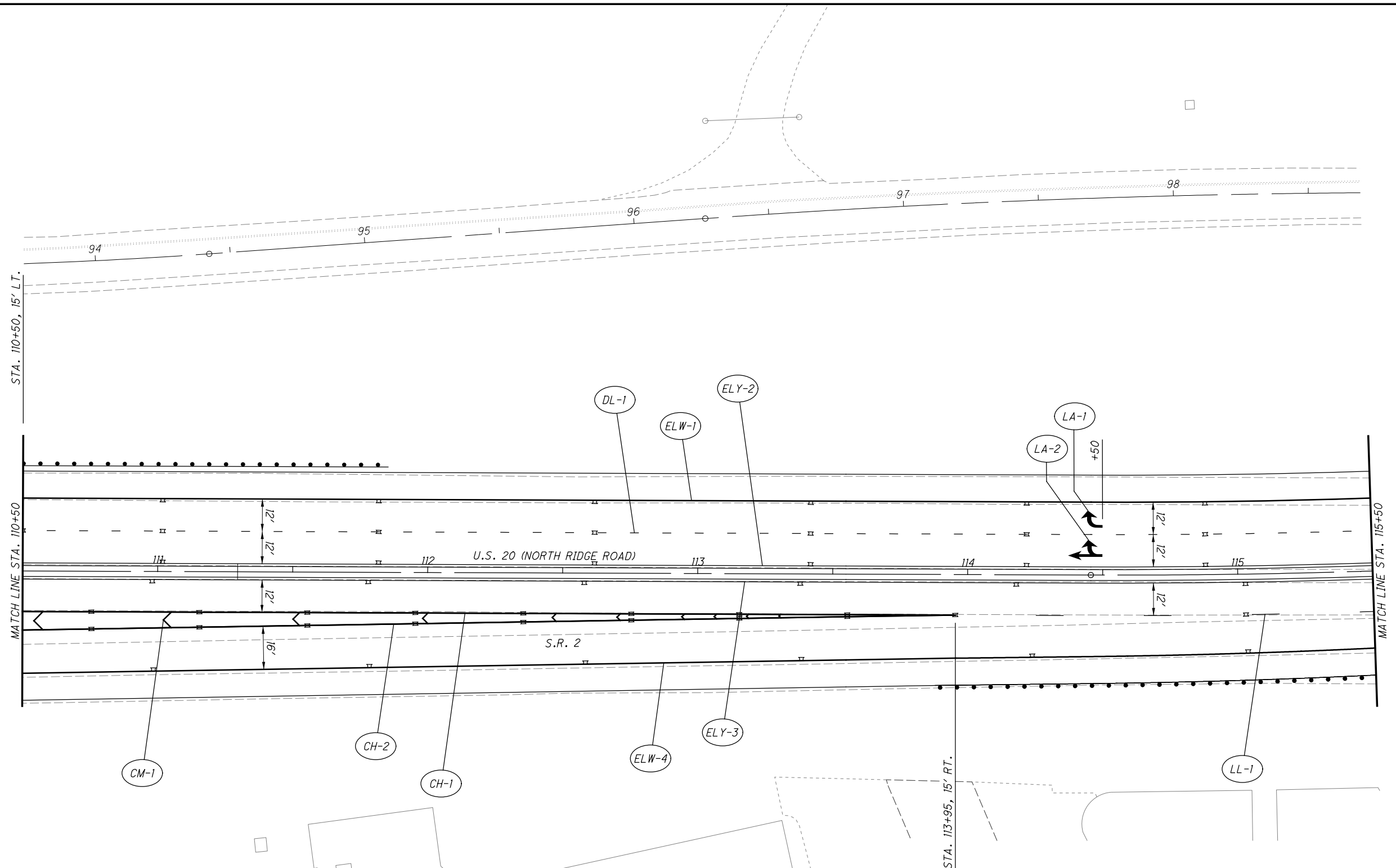
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**PAVEMENT MARKING PLAN  
STA. 105+50 TO STA. 110+50**

**LAK-US-20-19.59  
PART 1**

886  
1253

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
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| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC  
CHECKED EJT

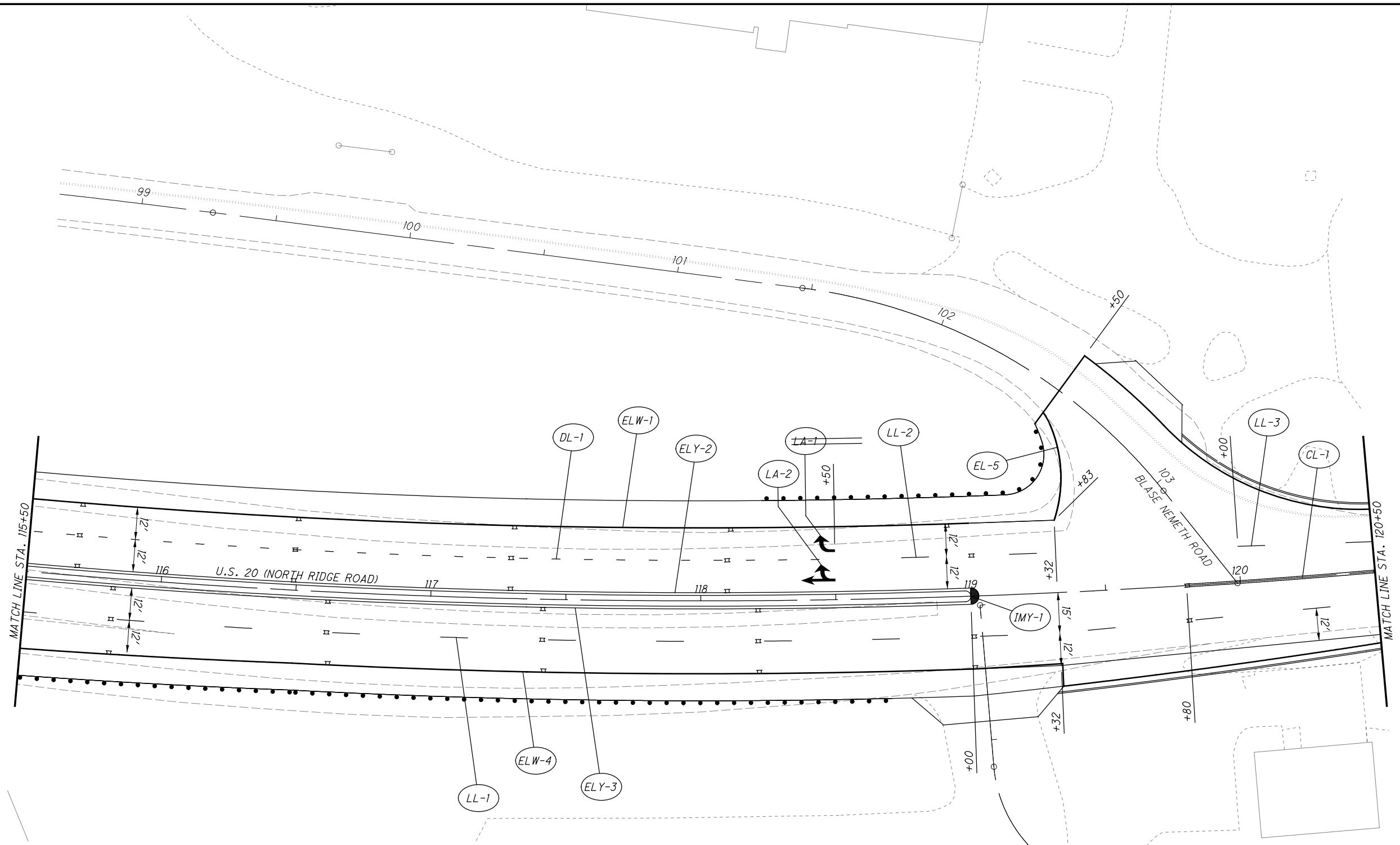
HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 110+50 TO STA. 115+50**

**LAK-US-20-19.59  
PART 1**

887  
1253

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

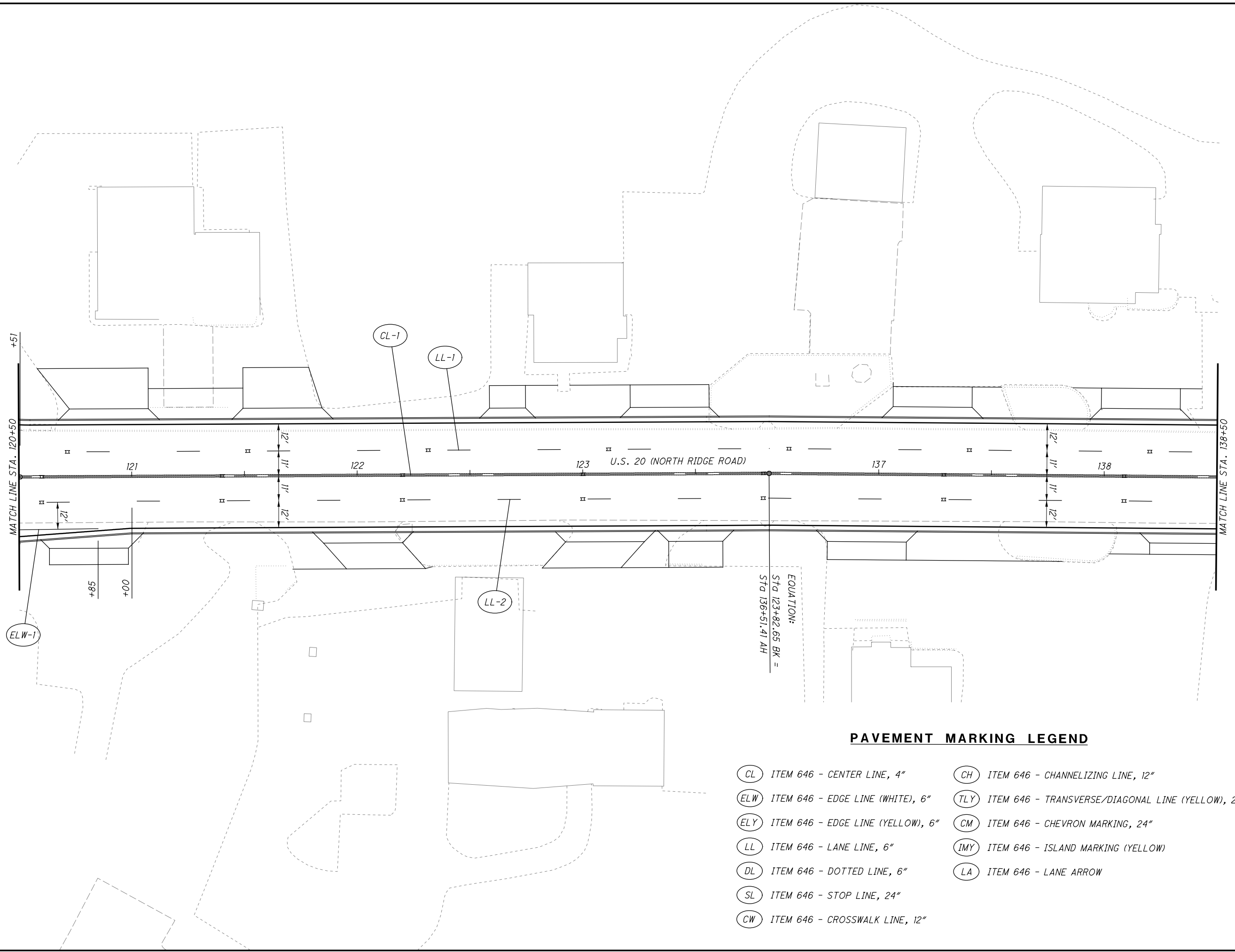


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JDC  
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**PAVEMENT MARKING PLAN  
STA. 115+50 TO STA. 120+50**

**LAK-US-20-19.59  
PART 1**

888  
1253



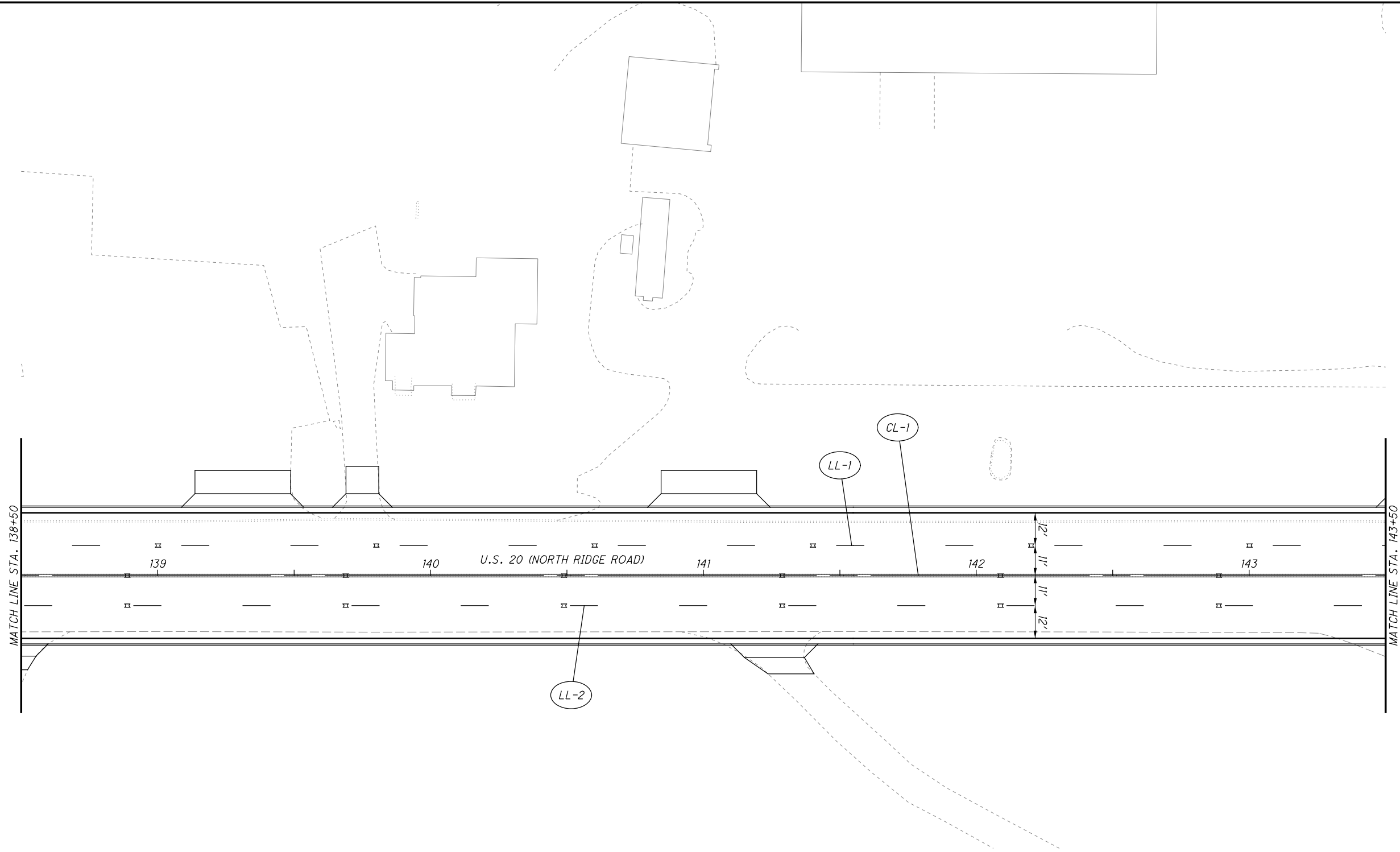
**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 120+50 TO STA. 138+50**



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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 138+50 TO STA. 143+50**

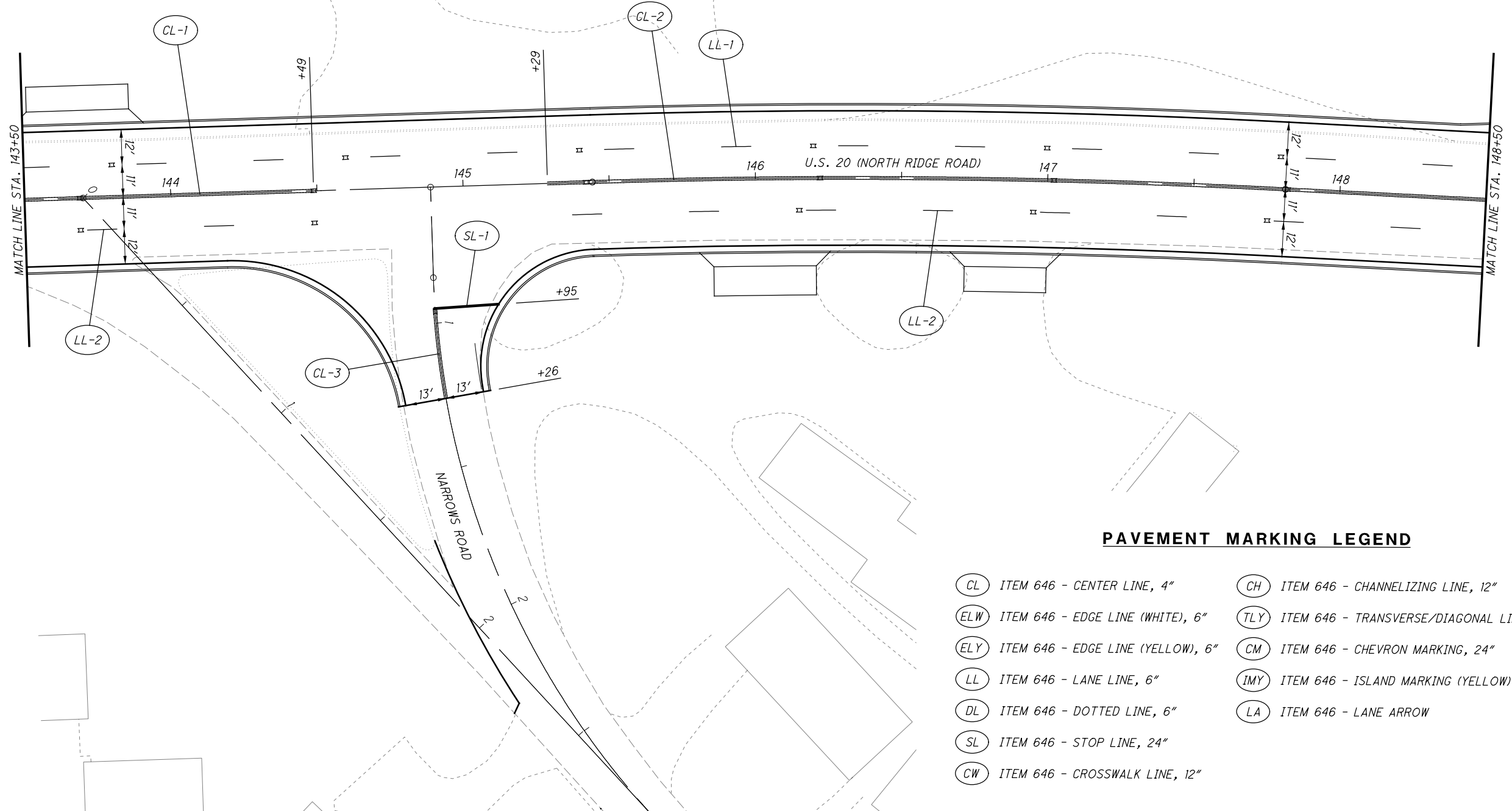
**LAK-US-20-19.59**  
**PART 1**

890  
1253

**PAVEMENT MARKING LEGEND**

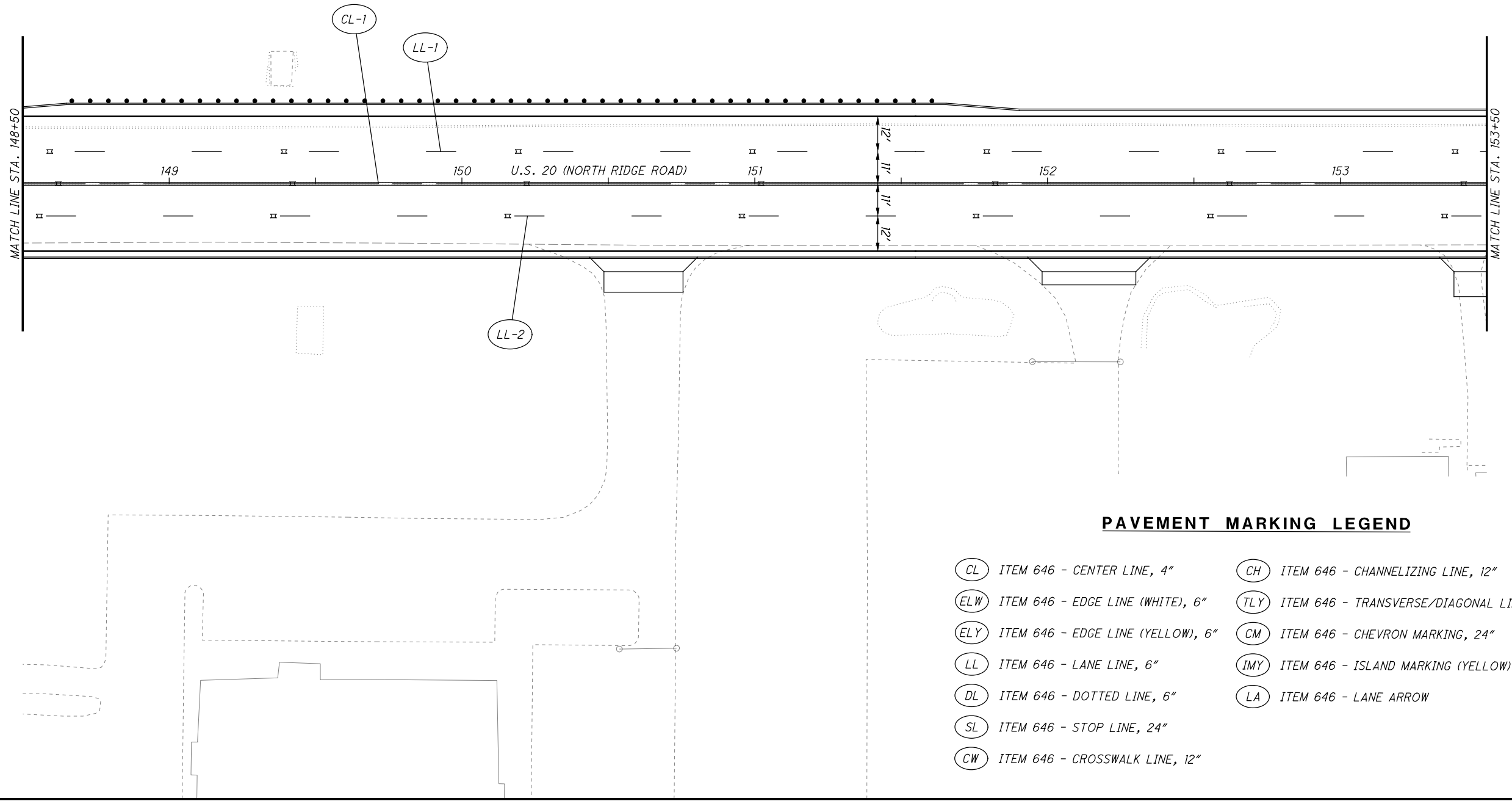
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| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |



**PAVEMENT MARKING LEGEND**

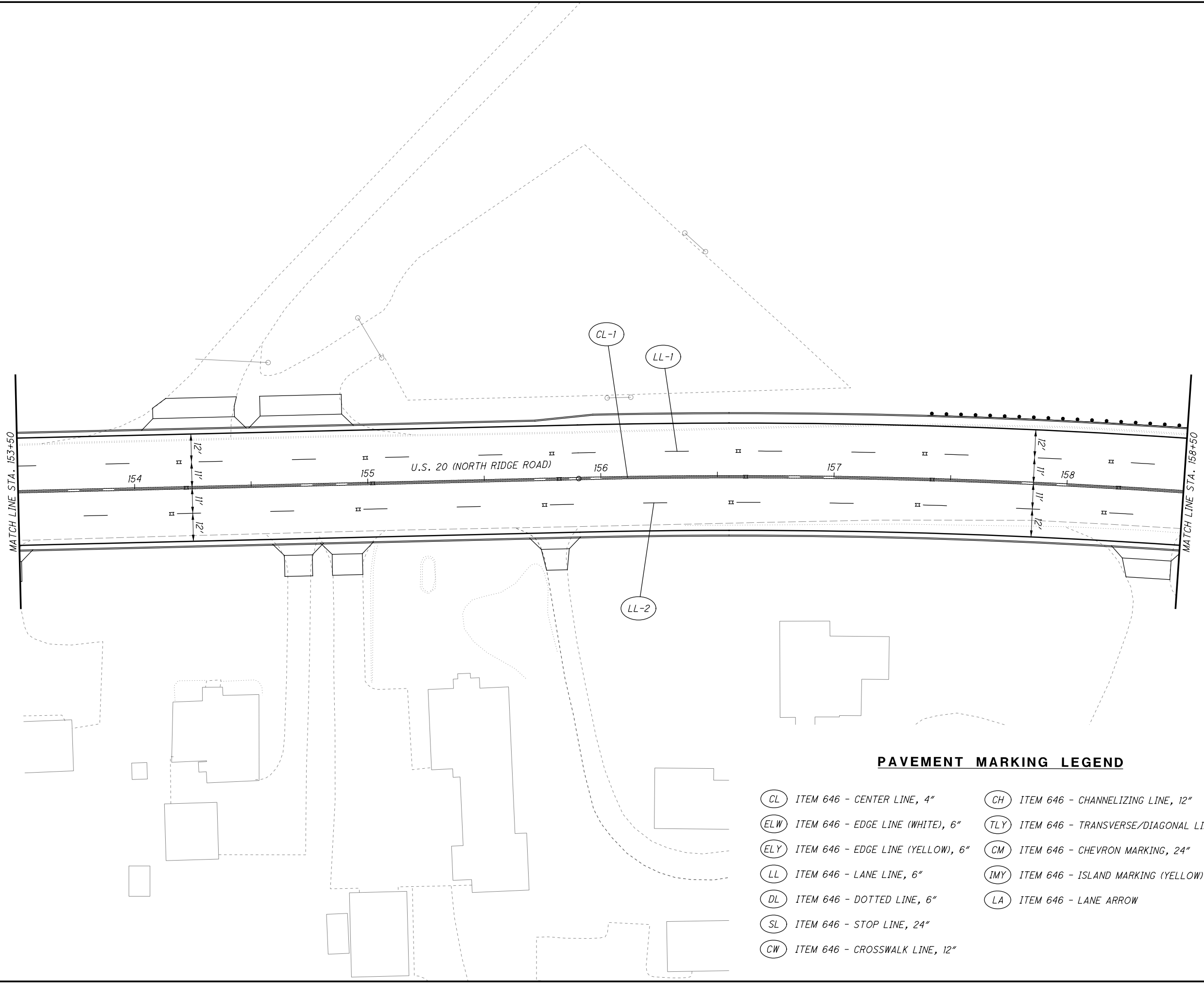
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|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED  
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EJT

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HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 148+50 TO STA. 153+50**

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED  
JDC  
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EJT

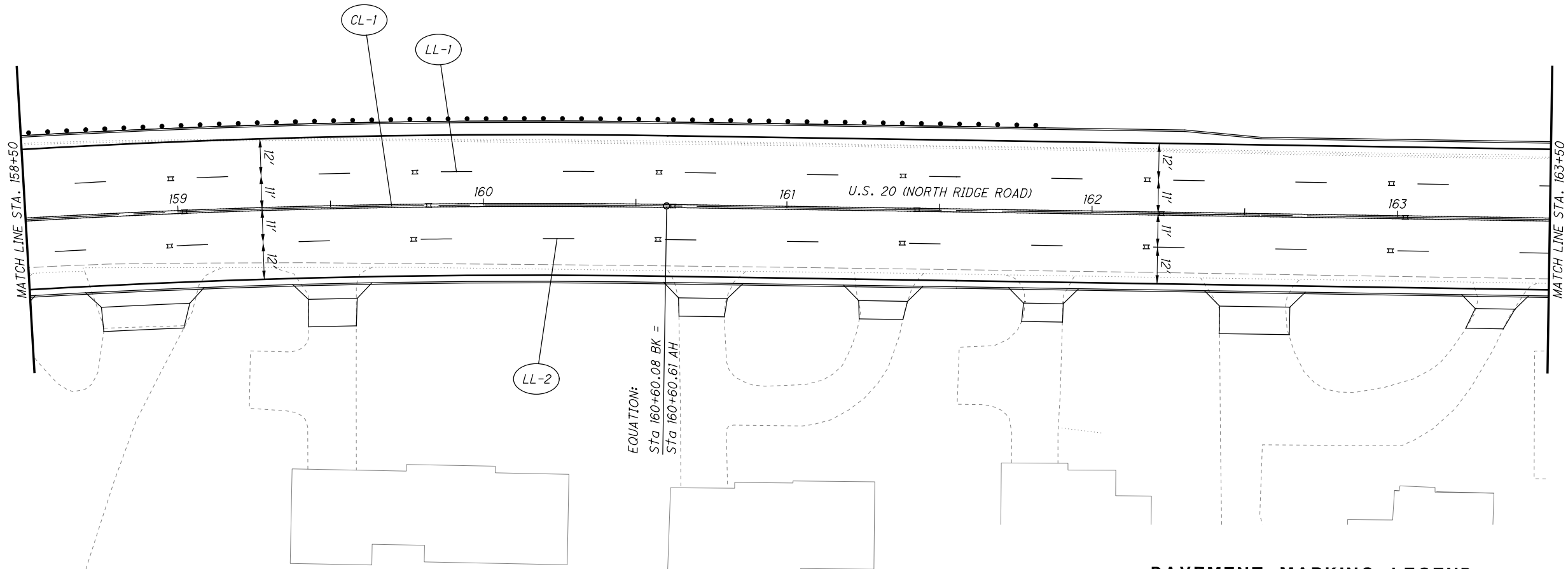
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HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 153+50 TO STA. 158+50**

**LAK-US-20-19.59  
PART 1**

893  
1253





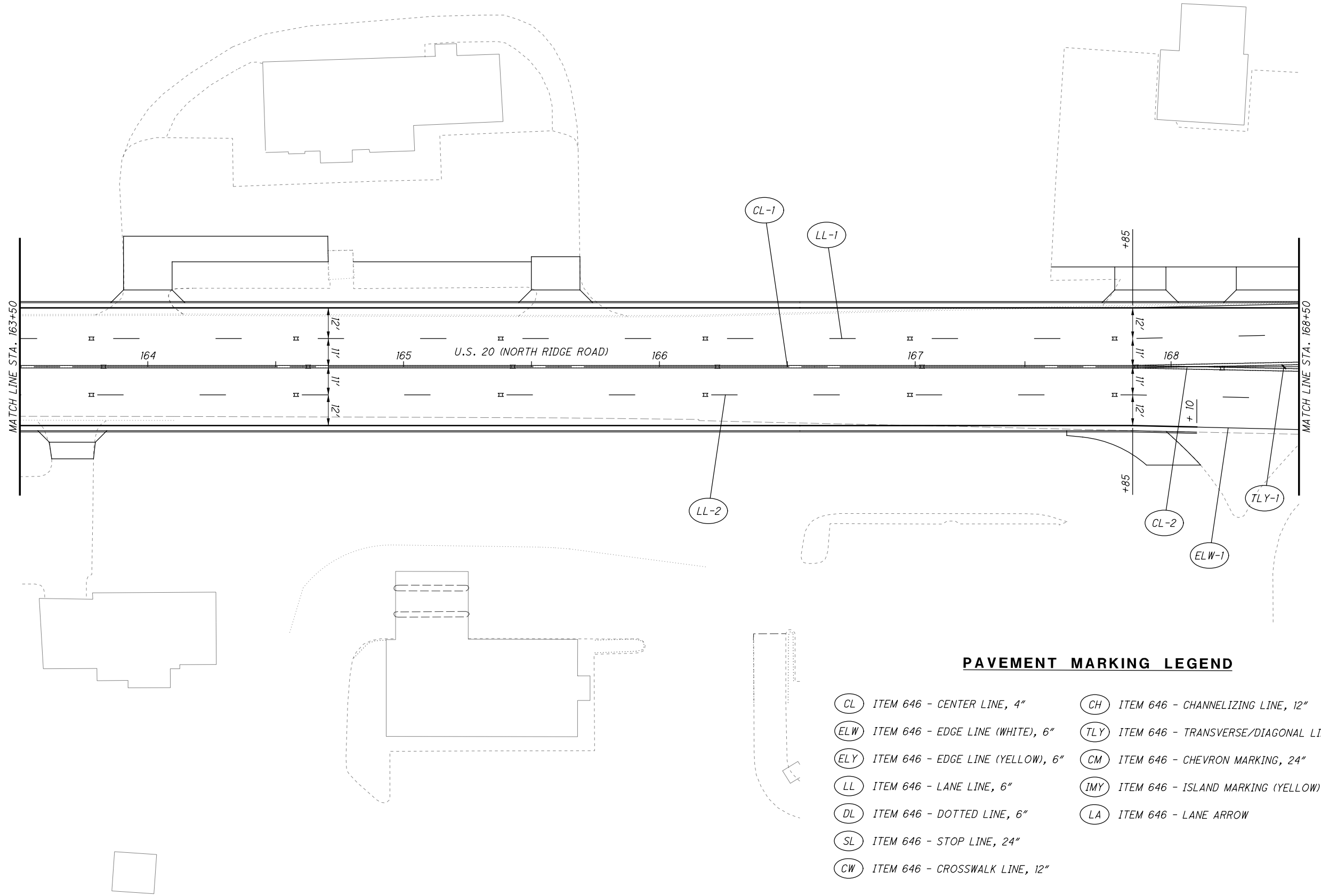
**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED  
JDC  
CHECKED  
EJT

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HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 158+50 TO STA. 163+50**



**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC CHECKED EJT

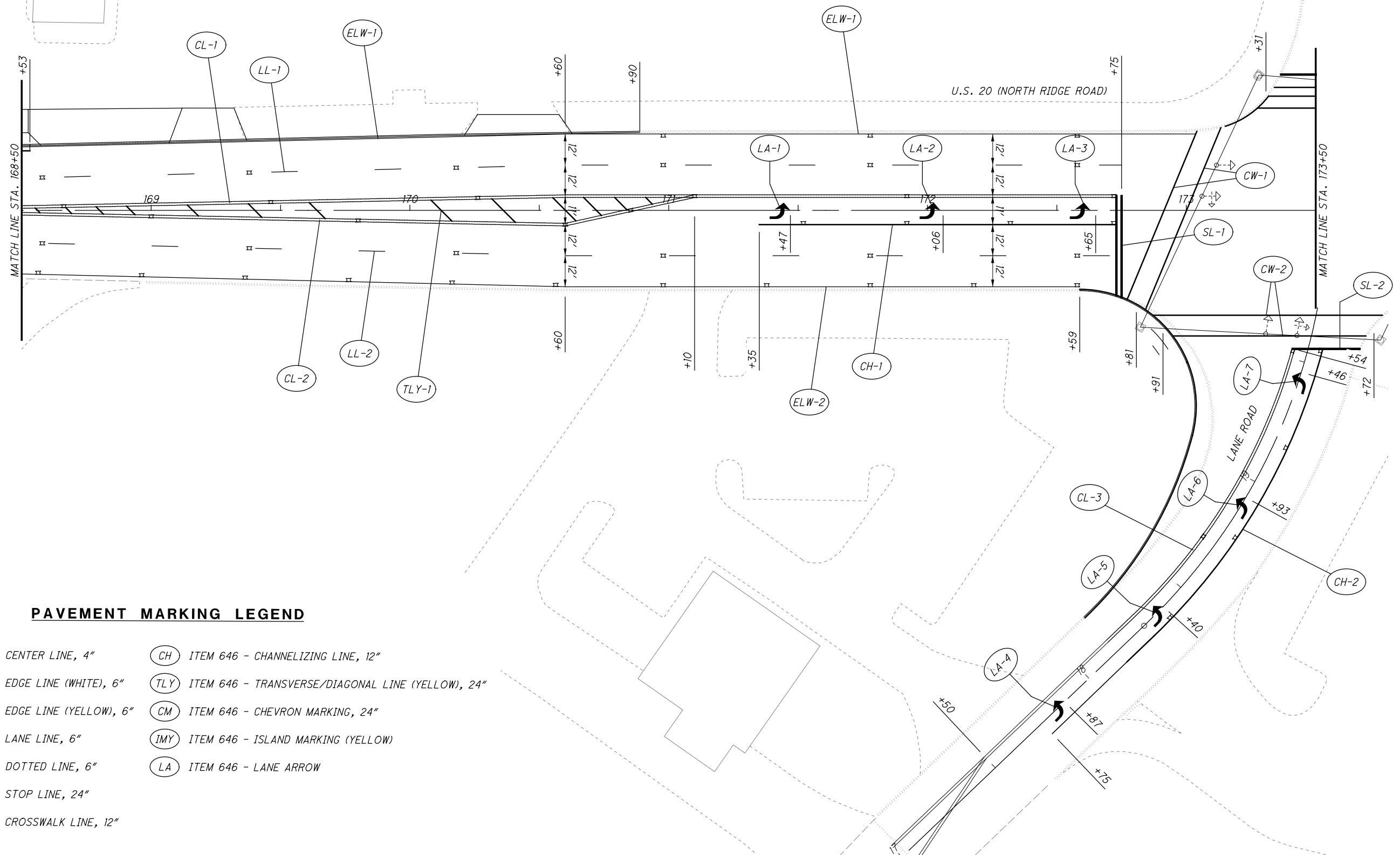
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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 163+50 TO STA. 168+50**

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10' HORIZONTAL SCALE IN FEET



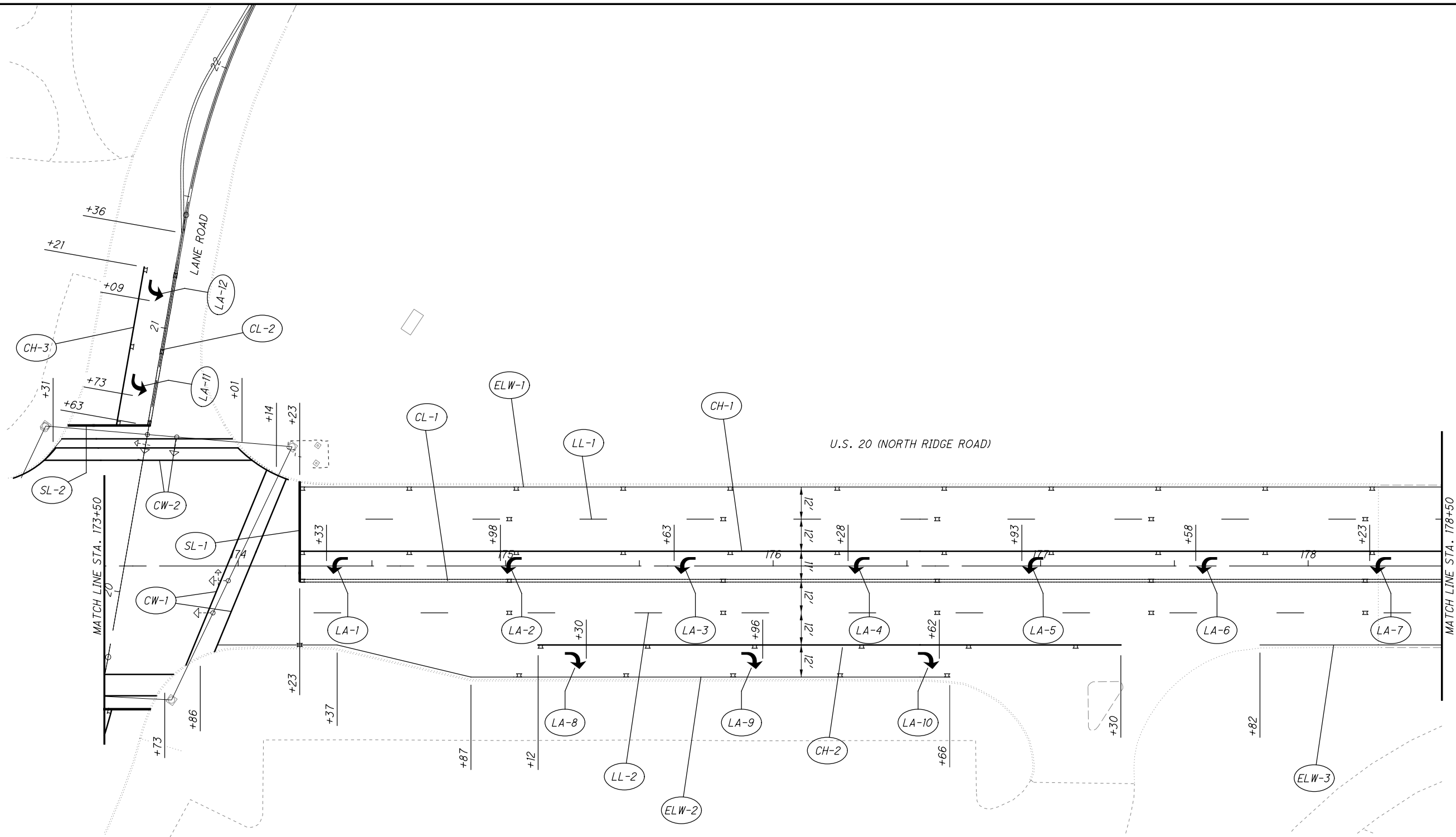
**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

**PAVEMENT MARKING PLAN  
STA. 168+50 TO STA. 173+50**

**LAK-US-20-19.59  
PART 1**

896  
1253



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HORIZONTAL  
SCALE IN FEET

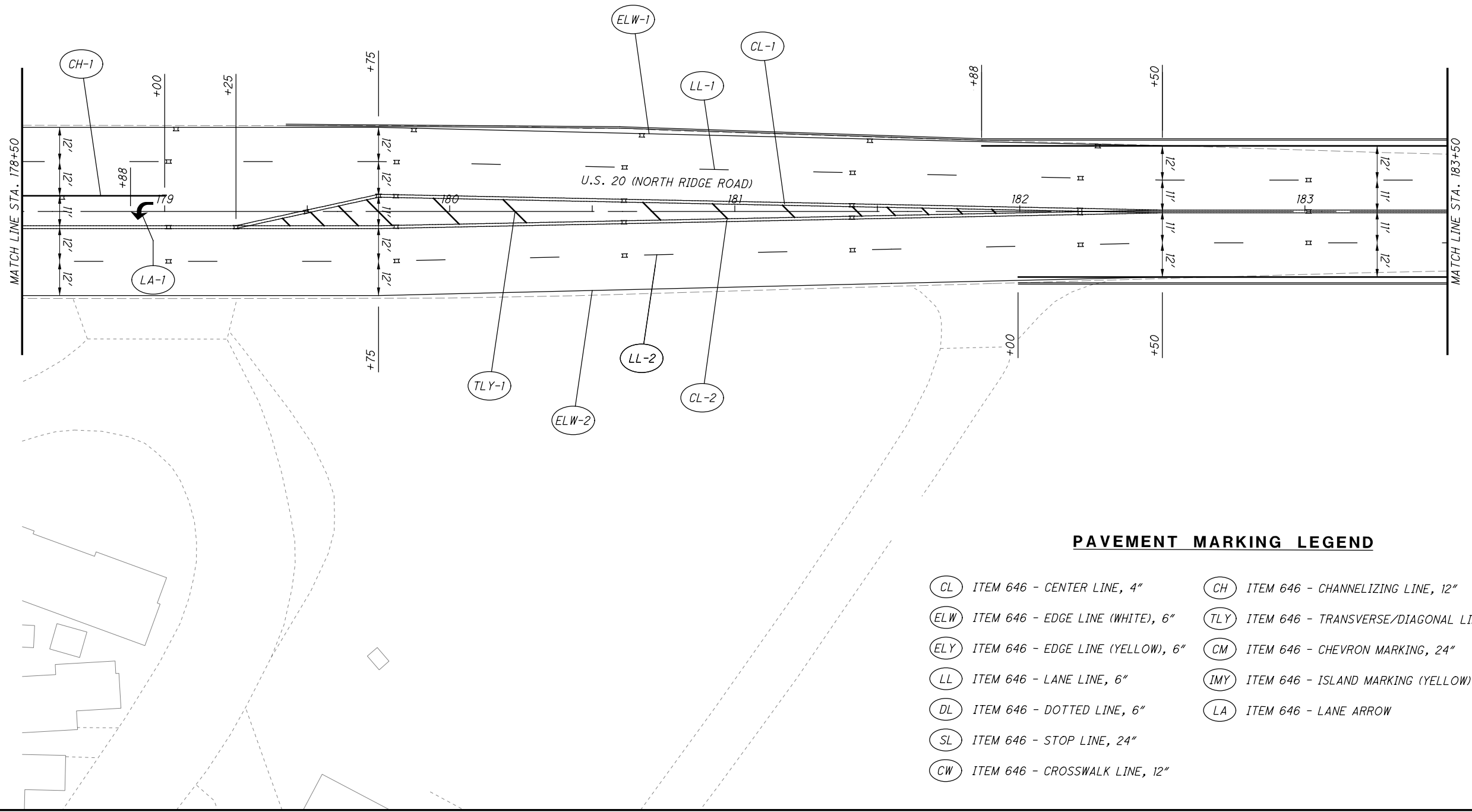
**PAVEMENT MARKING PLAN**  
**STA. 173+50 TO STA. 178+50**

**LAK-US-20-19.59**  
**PART 1**

897  
1253

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |



CALCULATED JDC CHECKED EJT

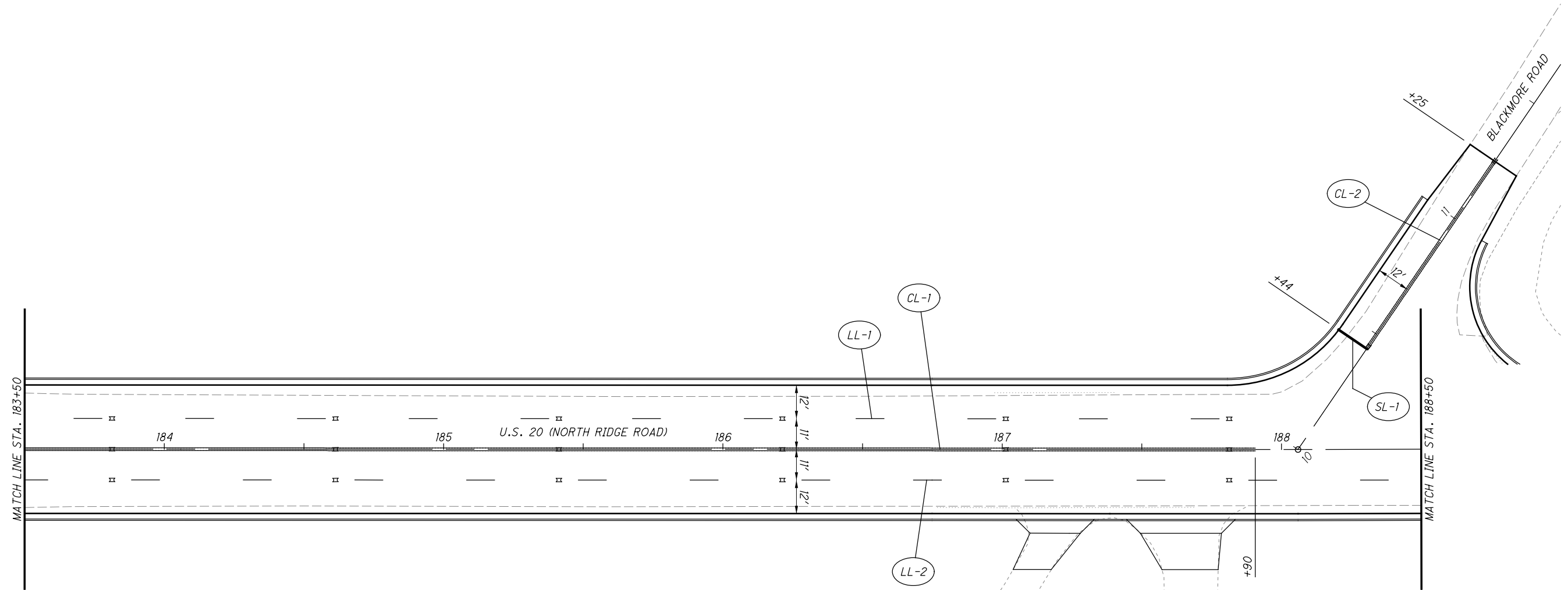
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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 178+50 TO STA. 183+50**

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

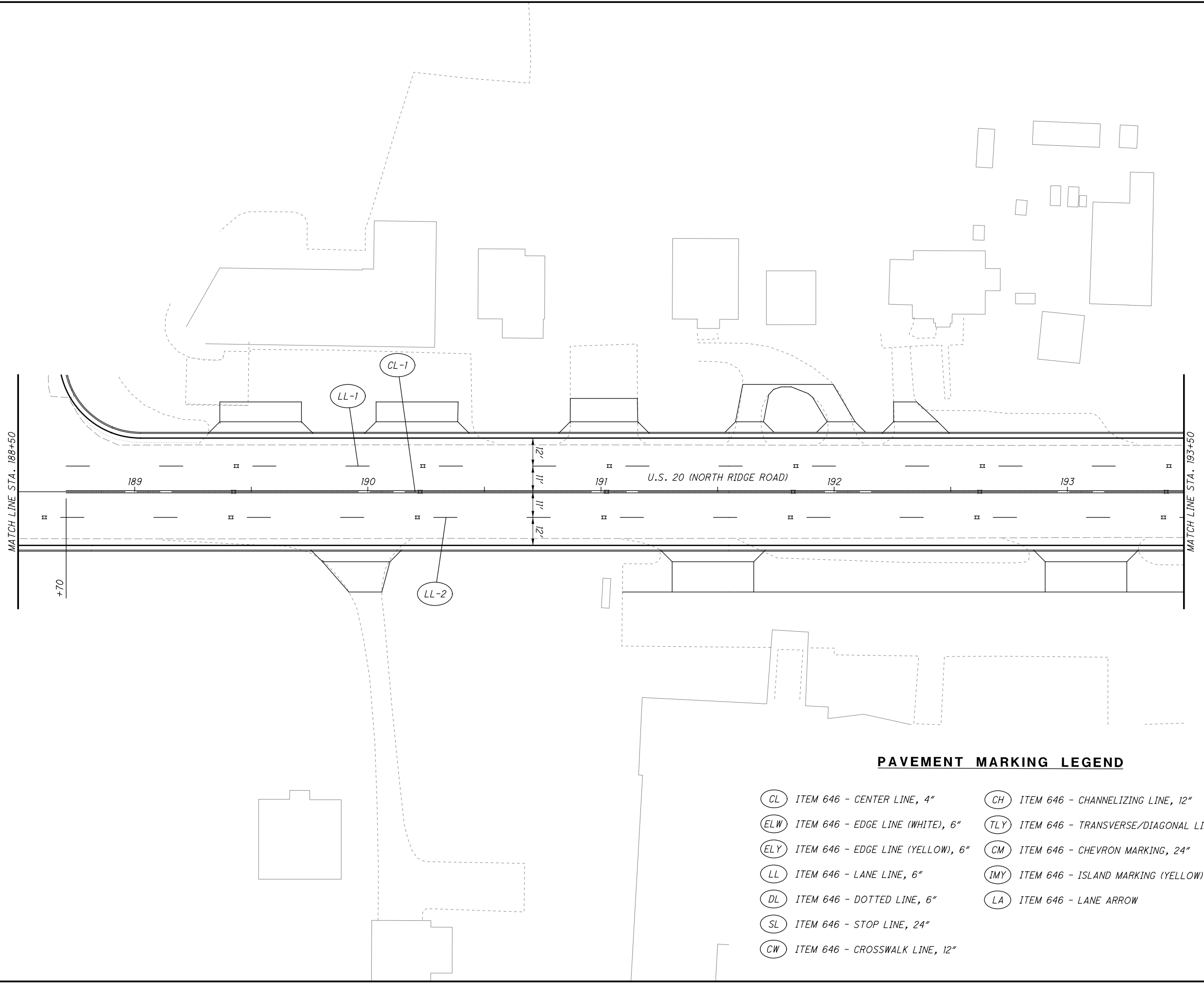
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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 183+50 TO STA. 188+50**

**LAK-US-20-19.59**  
**PART 1**

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1253



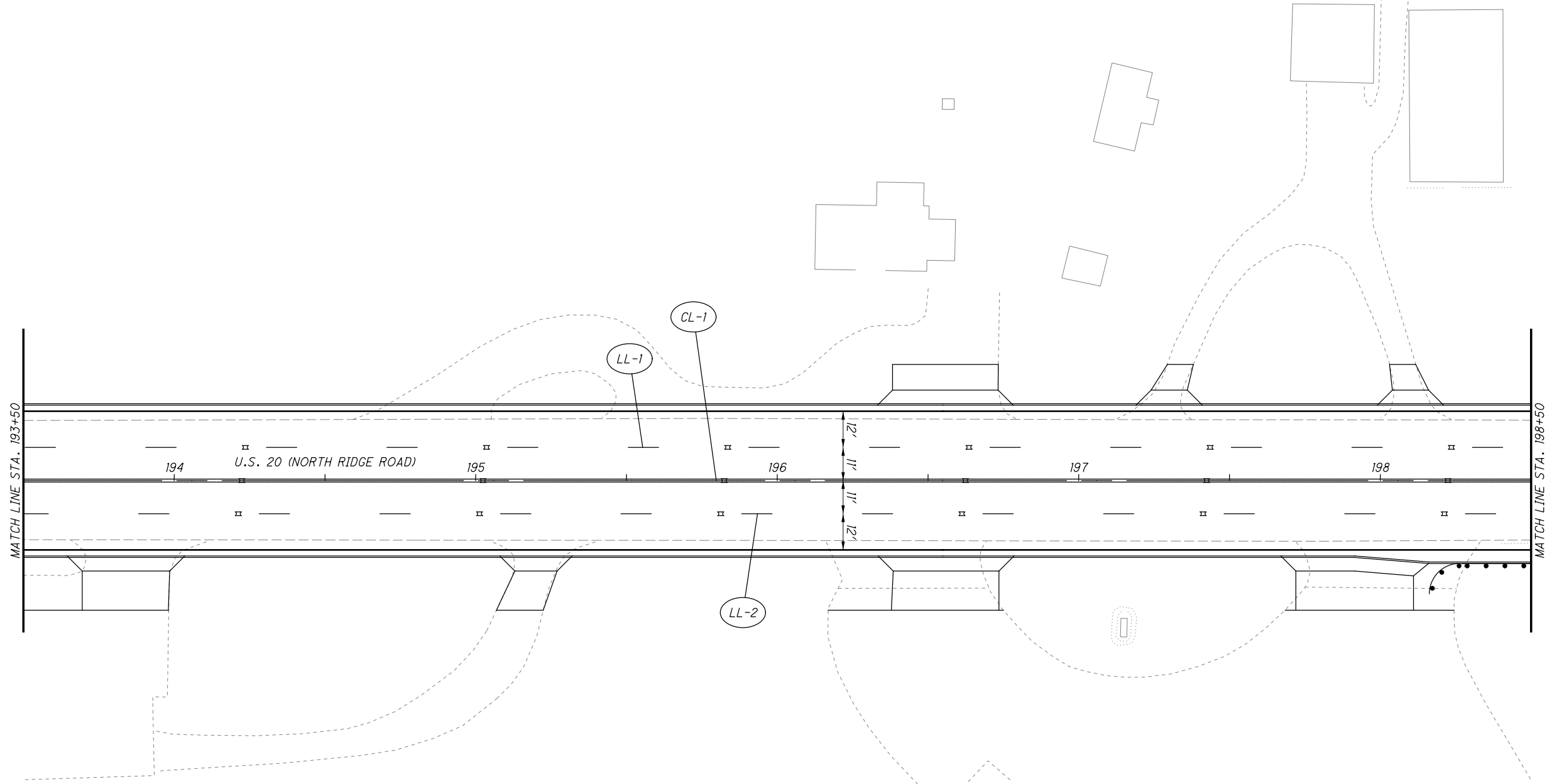
**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC  
CHECKED EJT

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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 188+50 TO STA. 193+50**



**PAVEMENT MARKING LEGEND**

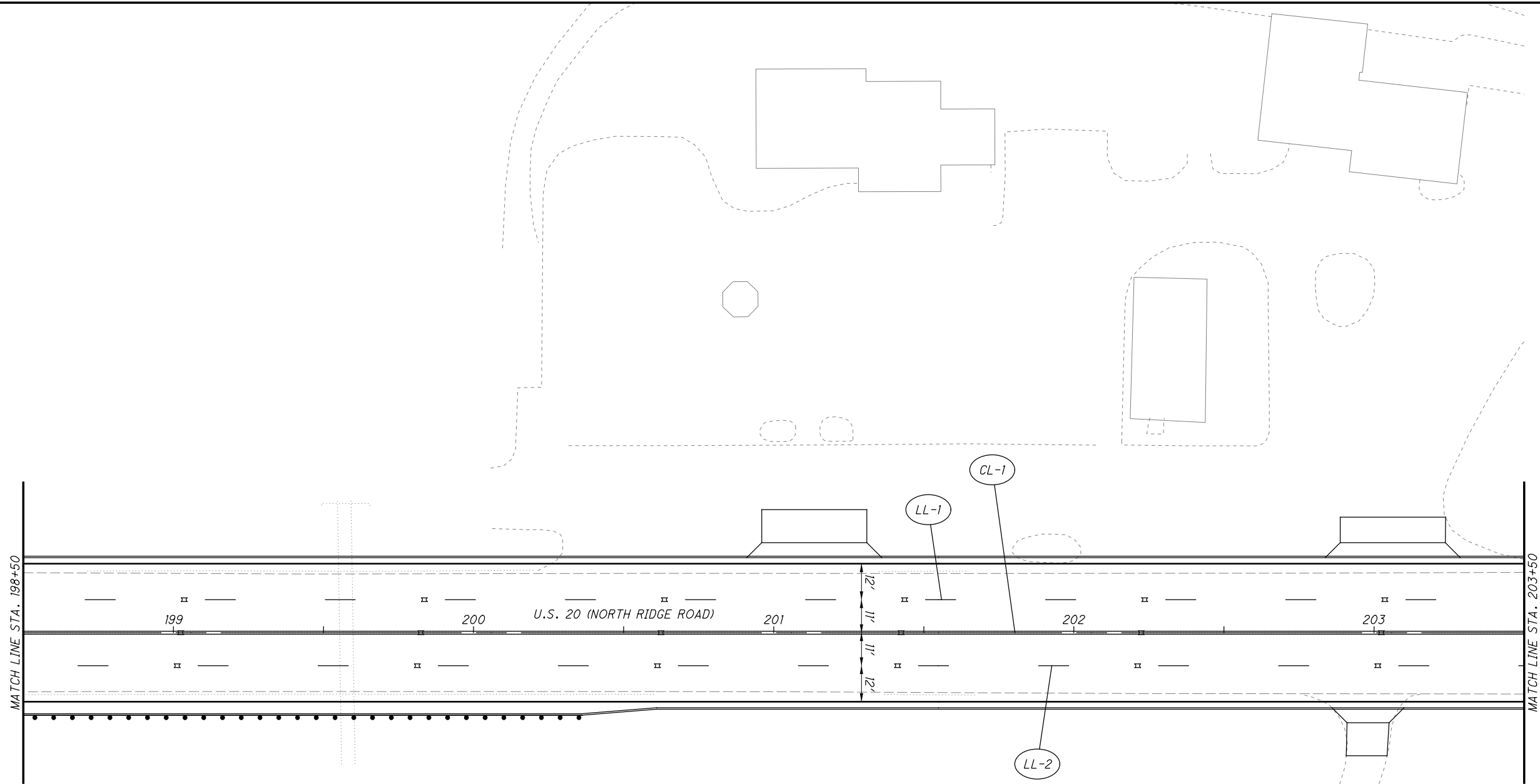
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| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC  
CHECKED EJT

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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 193+50 TO STA. 198+50**





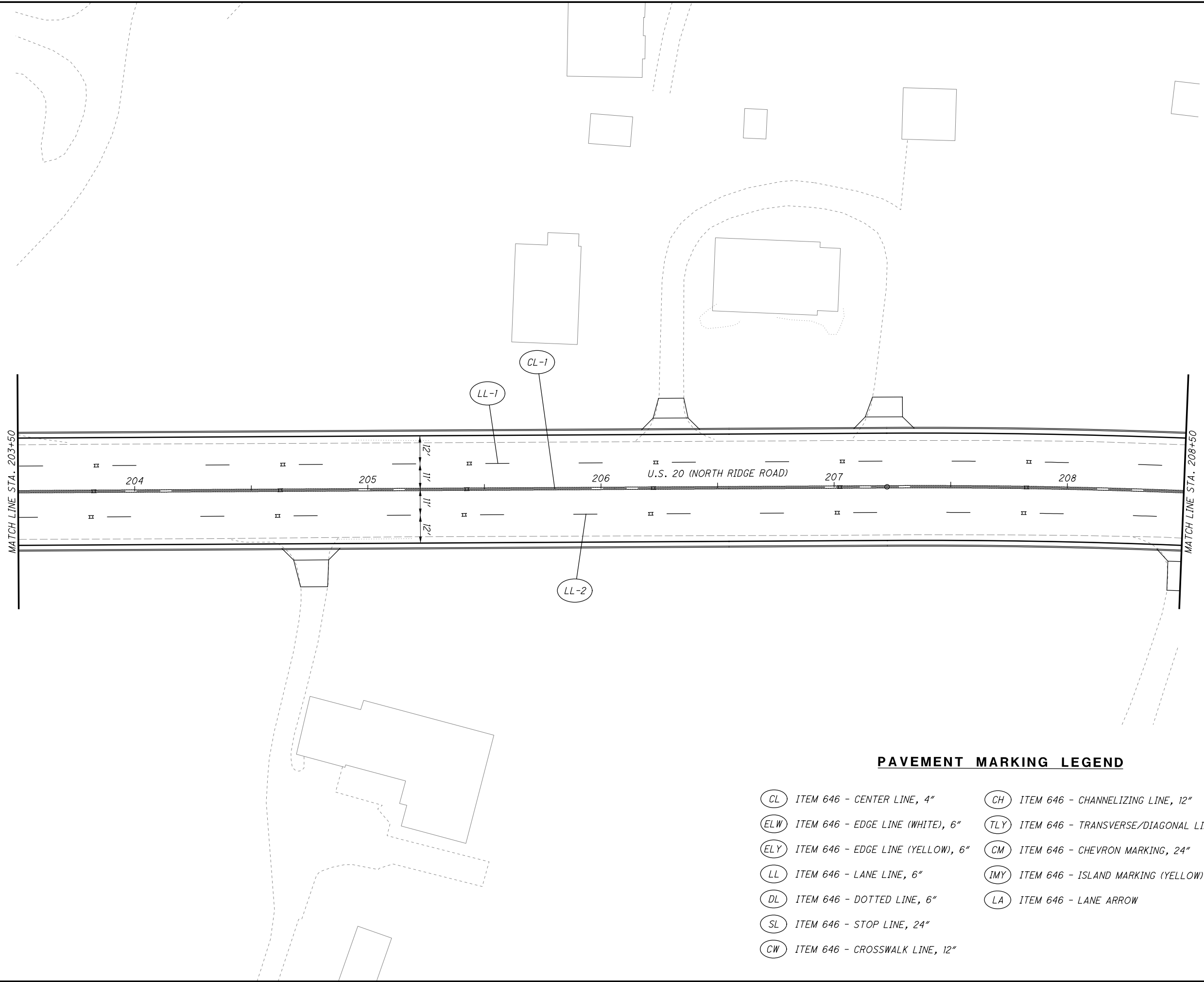
CALCULATED JDC  
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 HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 198+50 TO STA. 203+50**

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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**PAVEMENT MARKING LEGEND**

- (CL) ITEM 646 - CENTER LINE, 4"
- (ELW) ITEM 646 - EDGE LINE (WHITE), 6"
- (ELY) ITEM 646 - EDGE LINE (YELLOW), 6"
- (LL) ITEM 646 - LANE LINE, 6"
- (DL) ITEM 646 - DOTTED LINE, 6"
- (SL) ITEM 646 - STOP LINE, 24"
- (CW) ITEM 646 - CROSSWALK LINE, 12"
- (CH) ITEM 646 - CHANNELIZING LINE, 12"
- (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24"
- (CM) ITEM 646 - CHEVRON MARKING, 24"
- (IMY) ITEM 646 - ISLAND MARKING (YELLOW)
- (LA) ITEM 646 - LANE ARROW

CALCULATED  
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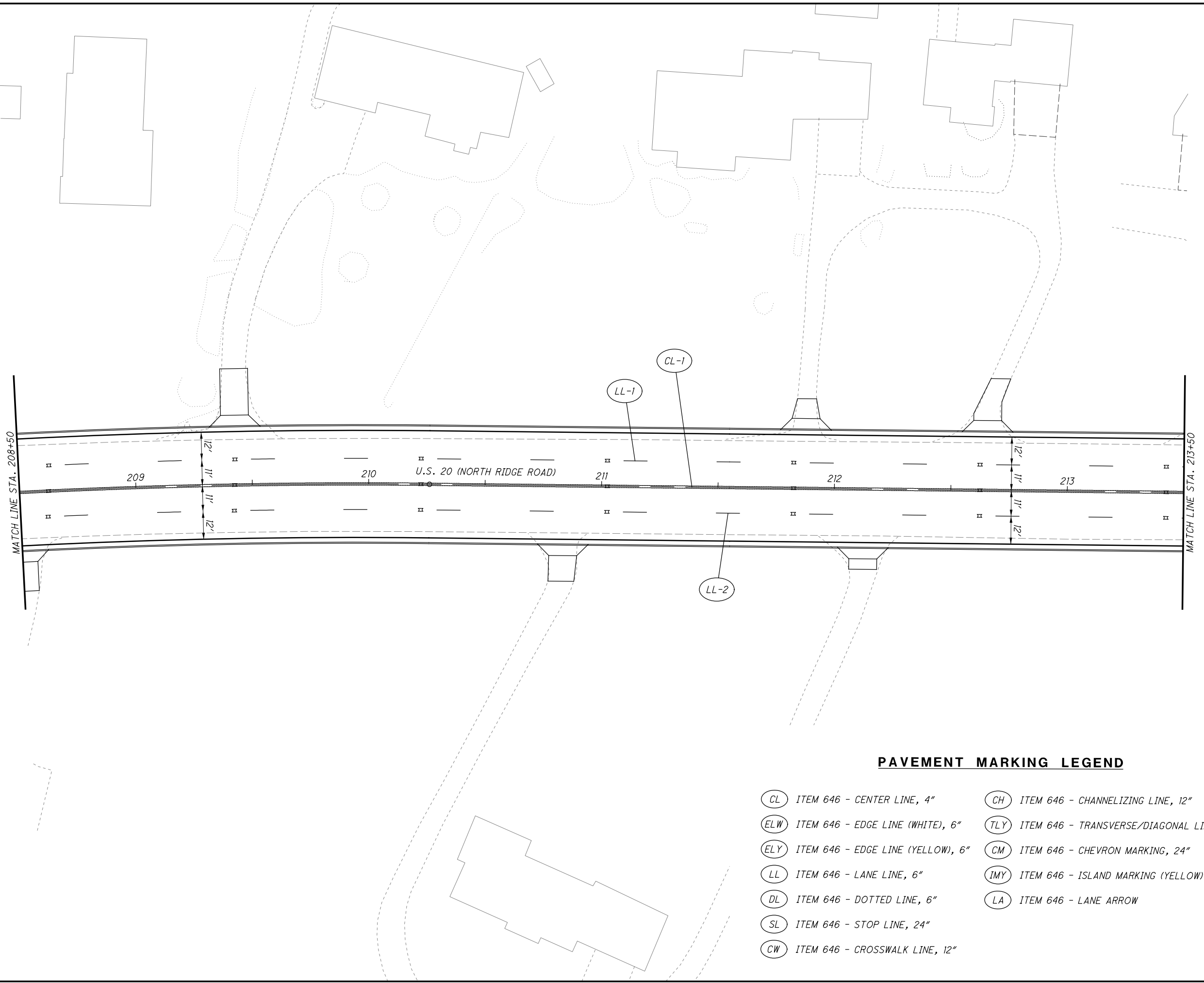
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HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 203+50 TO STA. 208+50**

**LAK-US-20-19.59  
PART 1**

903  
1253

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

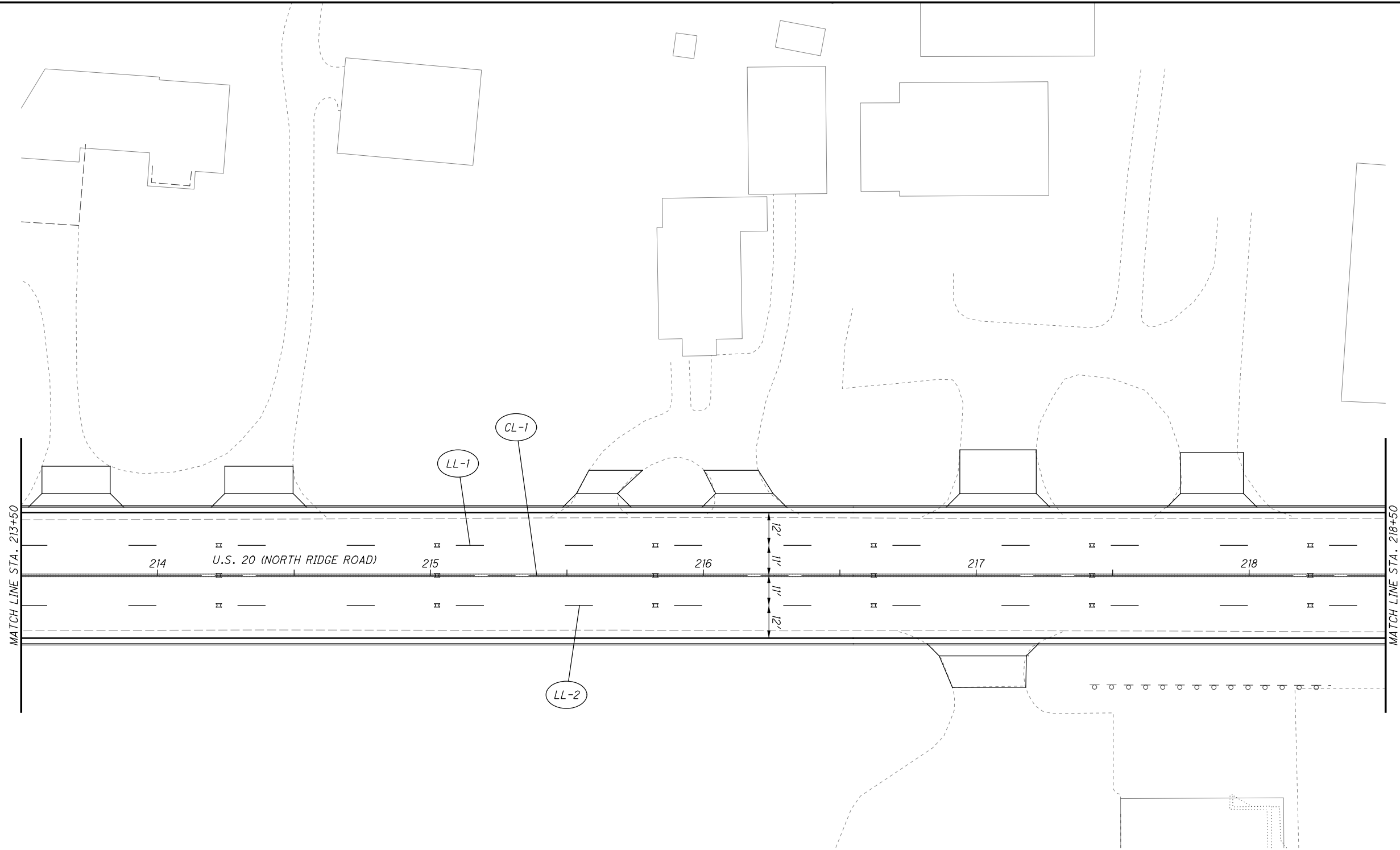
CALCULATED JDC  
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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 208+50 TO STA. 213+50**

**LAK-US-20-19.59  
PART 1**

904  
1253



**PAVEMENT MARKING LEGEND**

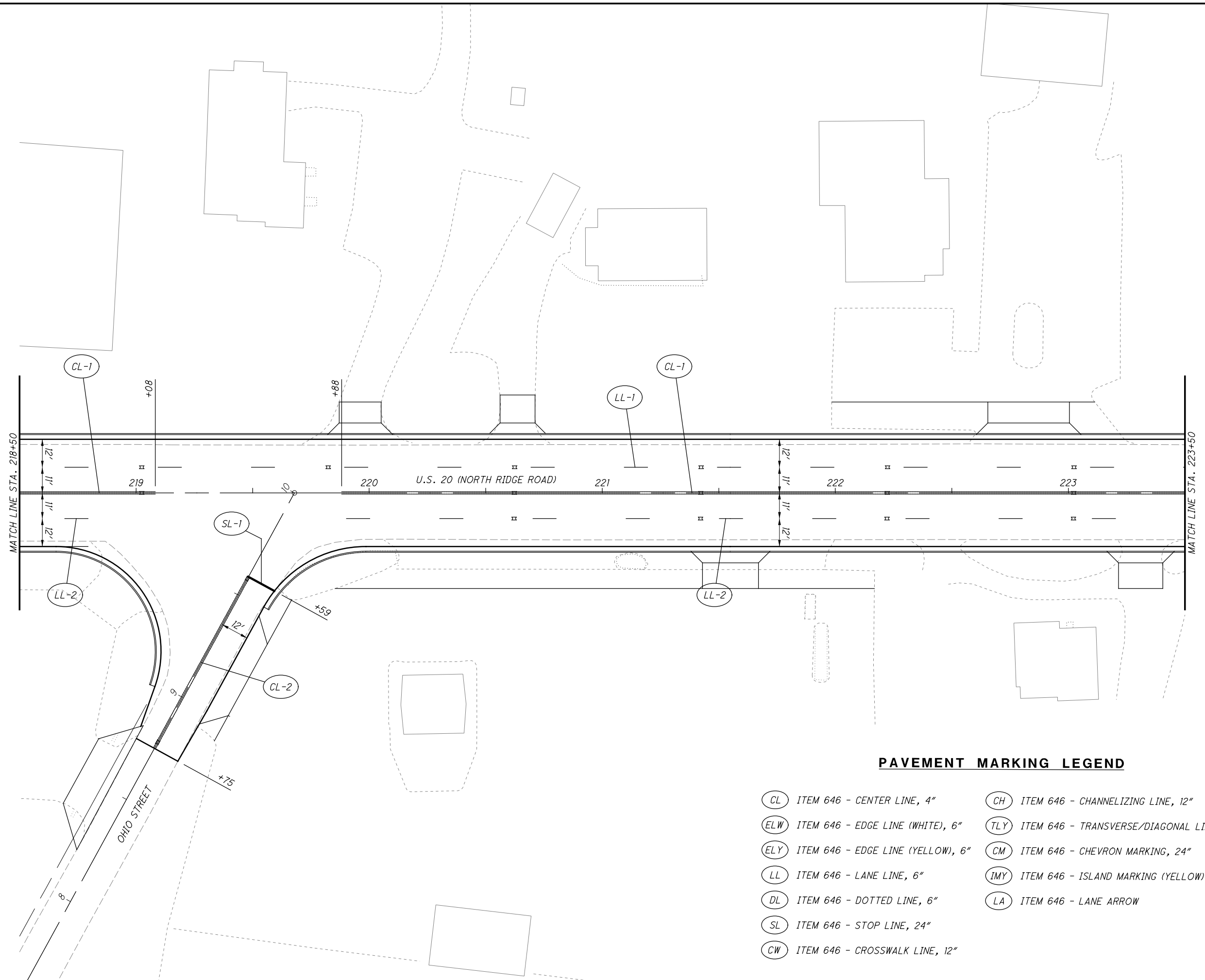
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|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC  
CHECKED EJT

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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 213+50 TO STA. 218+50**

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC  
CHECKED EJT

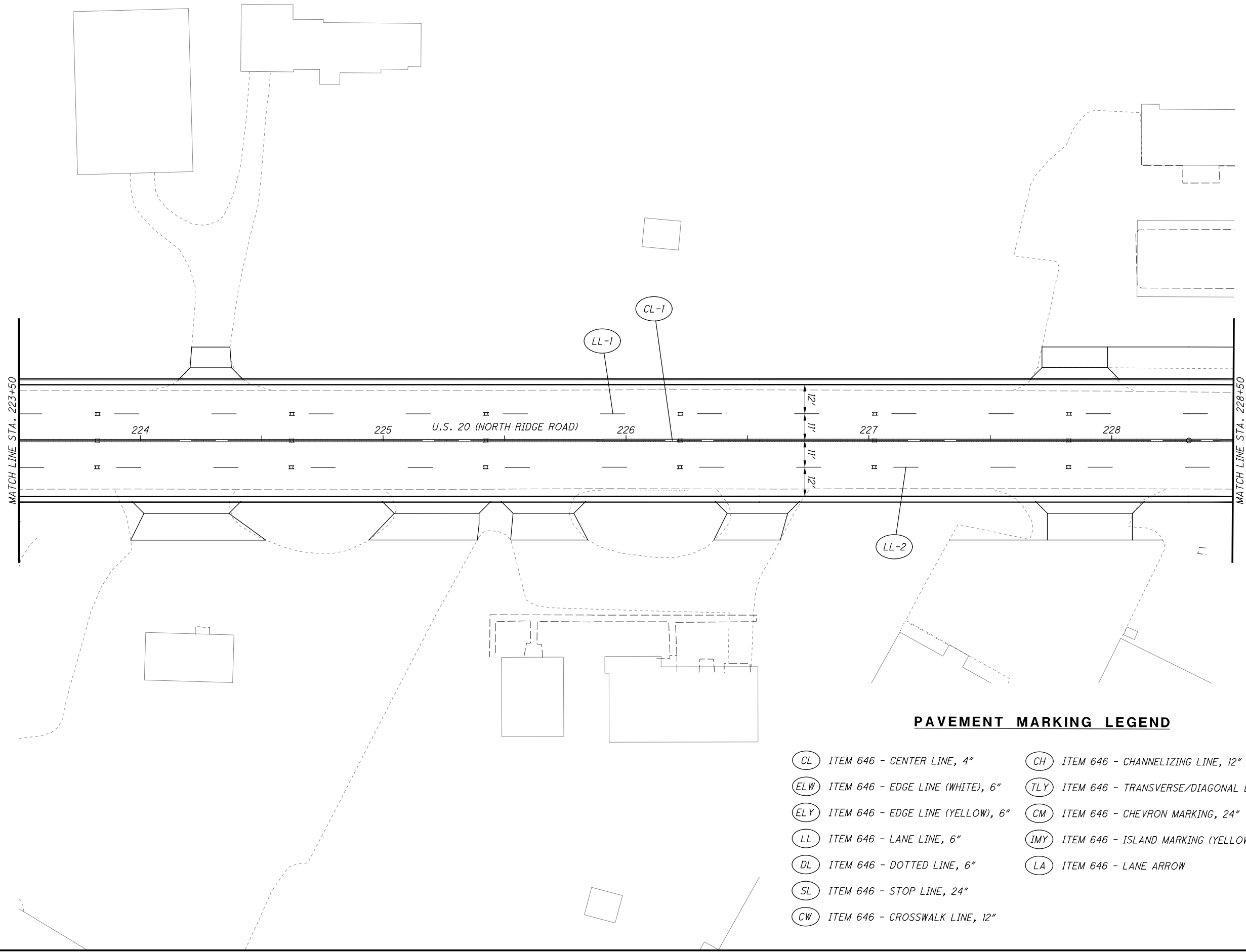
0 20 40  
HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 218+50 TO STA. 223+50**

**LAK-US-20-19.59  
PART 1**

906  
1253

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC CHECKED EJT

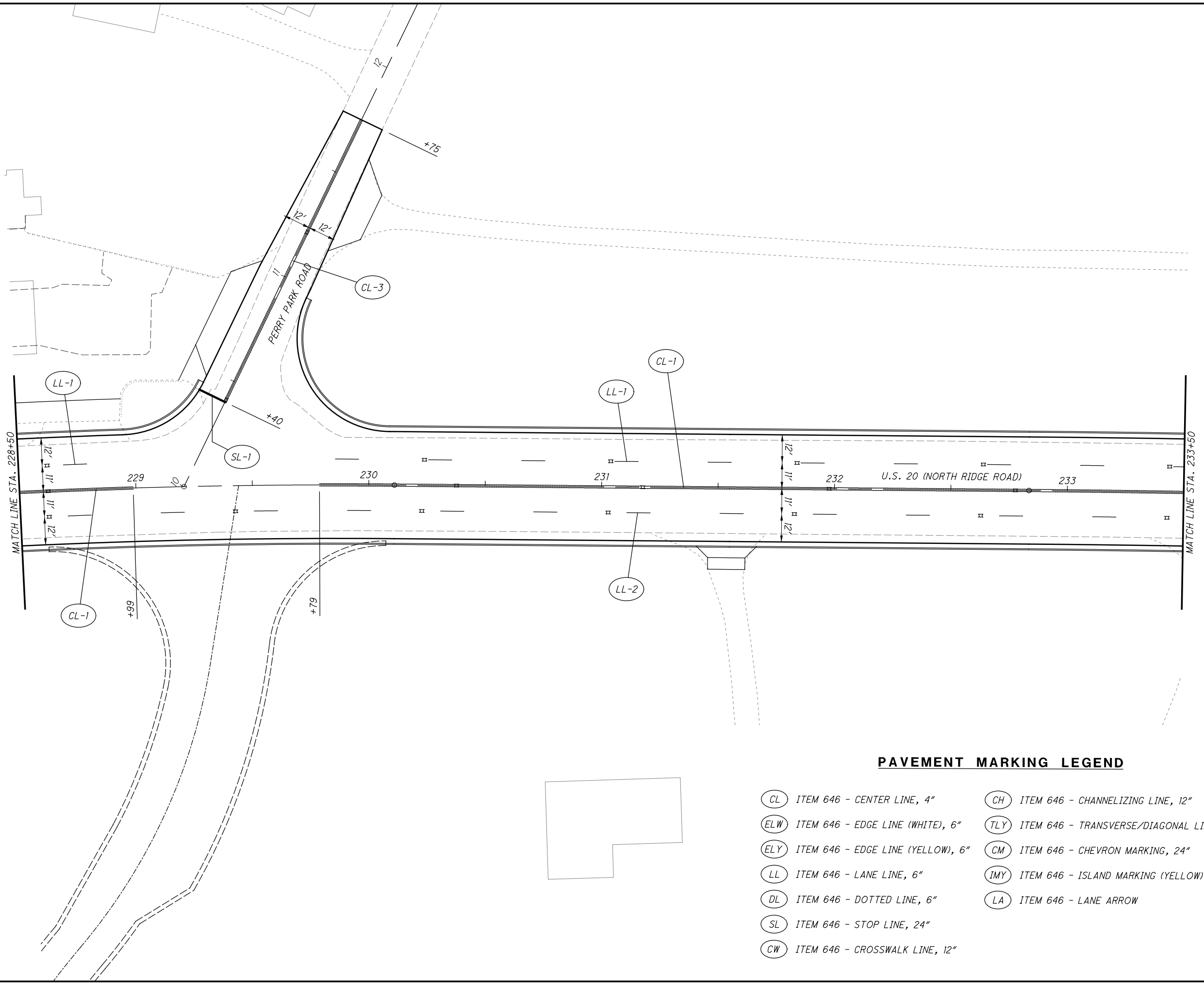
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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 223+50 TO STA. 228+50**

**LAK-US-20-19.59  
PART 1**

907  
1253

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC  
CHECKED EJT

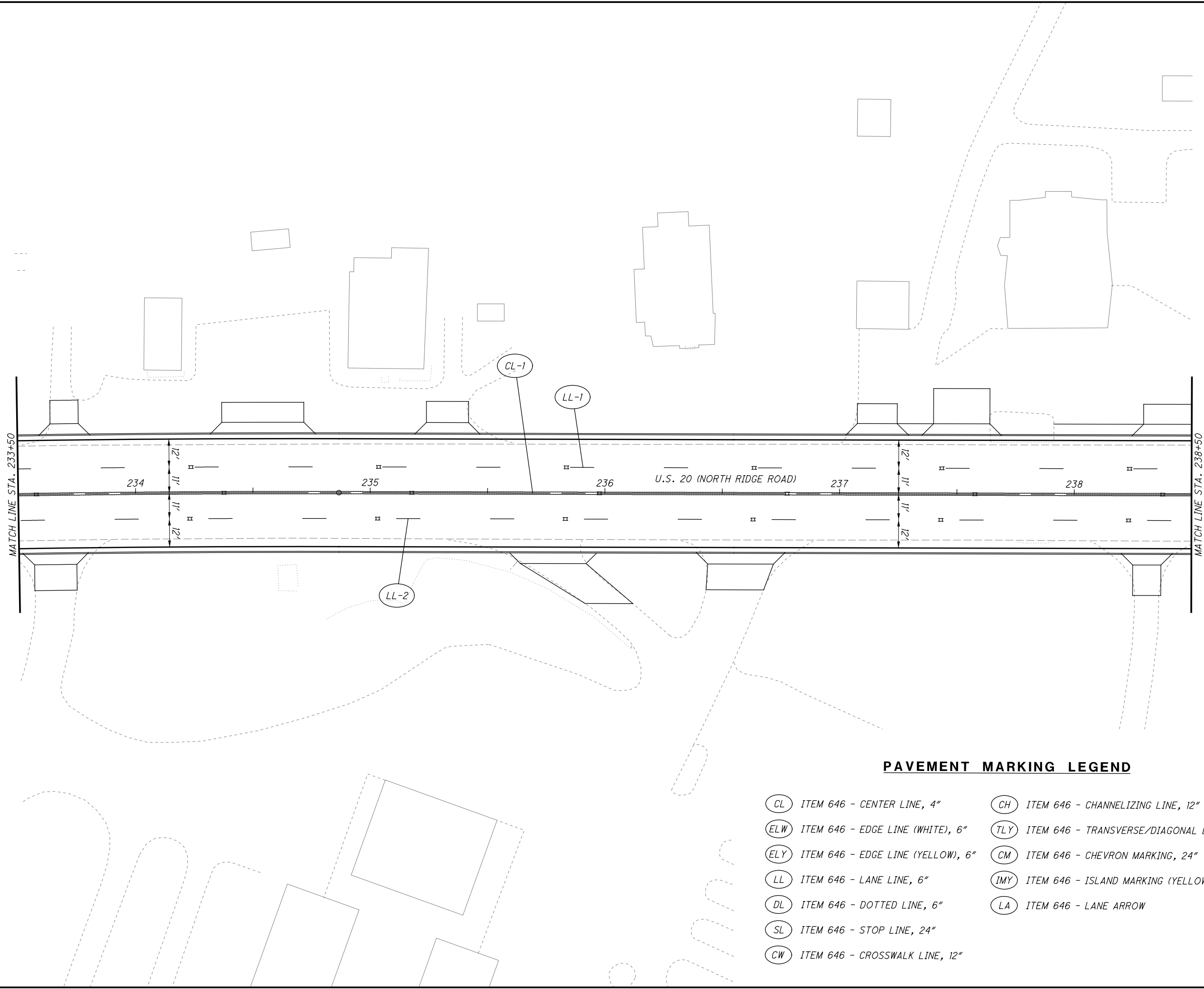
HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 228+50 TO STA. 233+50**

**LAK-US-20-19.59  
PART 1**

908  
1253

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CALCULATED JDC  
CHECKED EJT

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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 233+50 TO STA. 238+50**

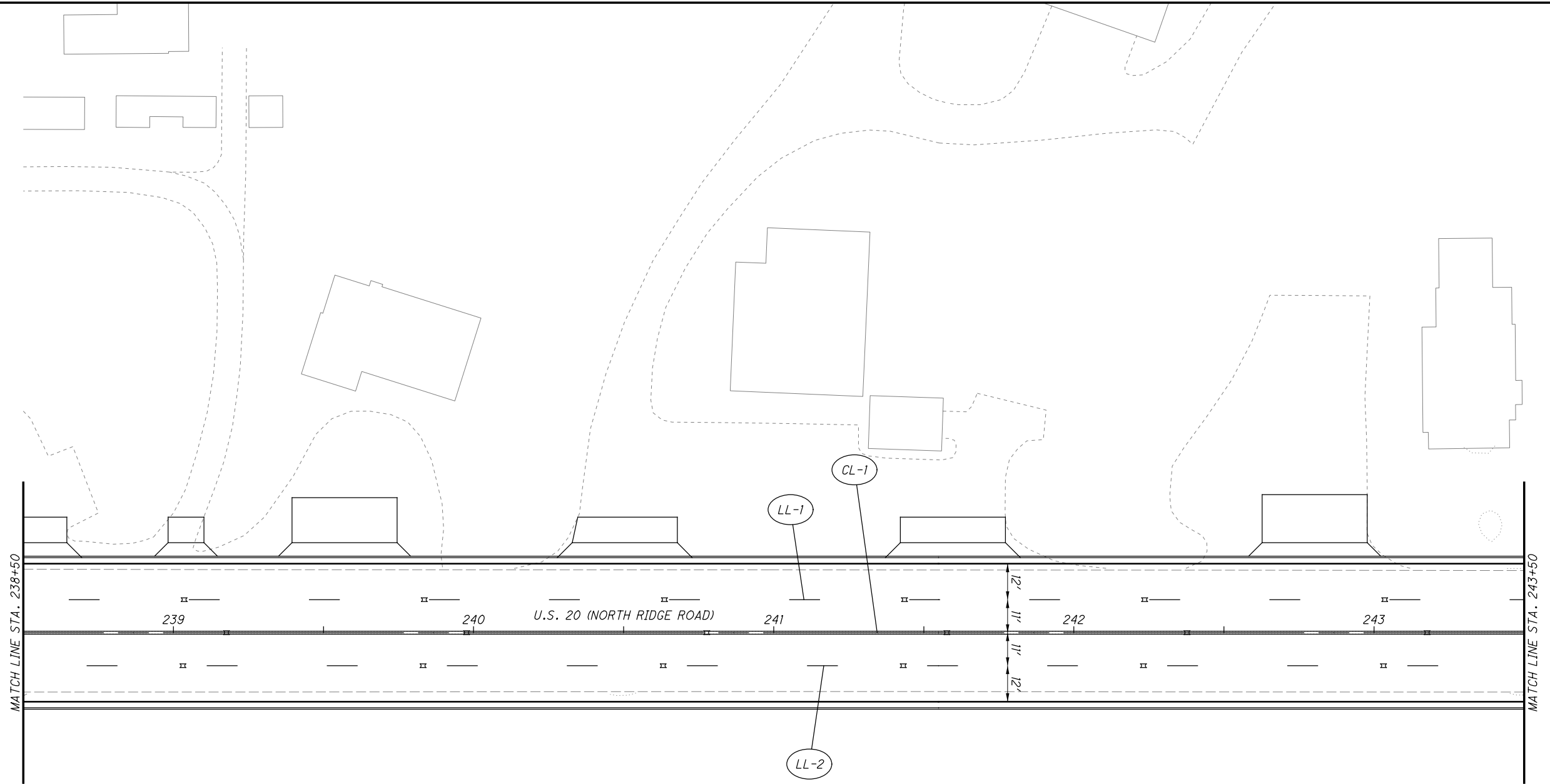
**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

**LAK-US-20-19.59**  
**PART 1**

909  
1253





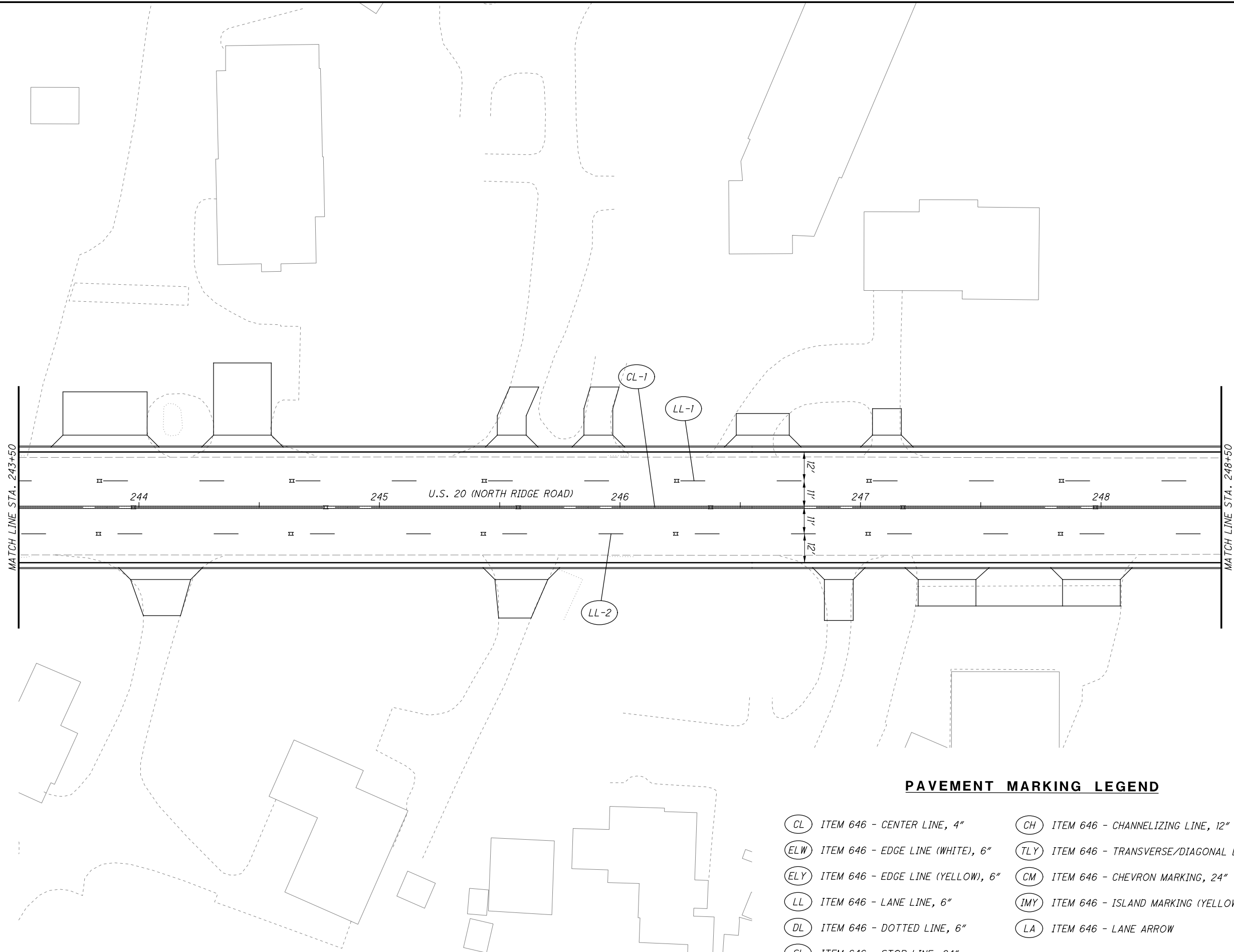
**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED  
JDC  
CHECKED  
EJT

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HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 238+50 TO STA. 243+50**



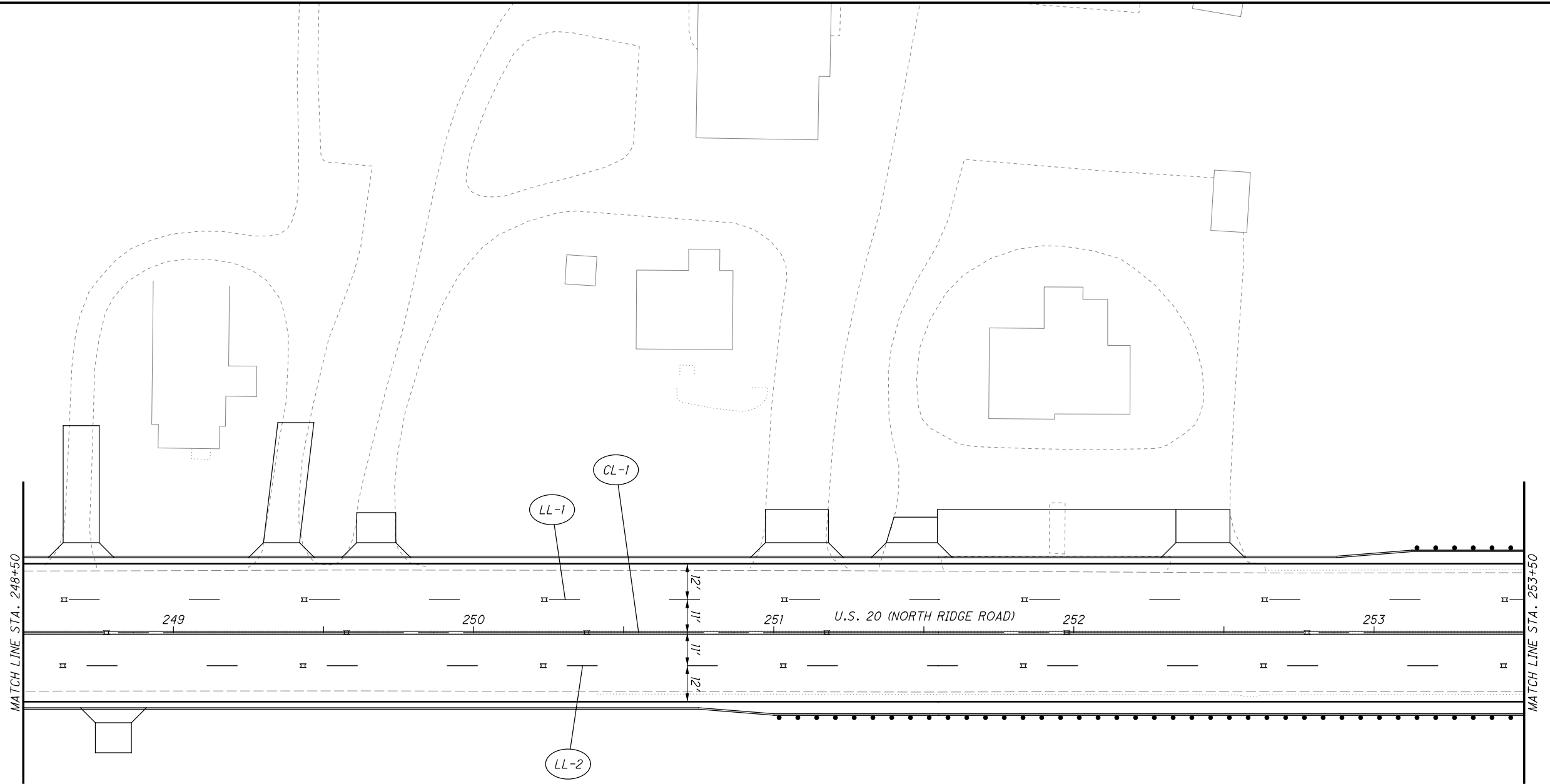
**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 243+50 TO STA. 248+50**



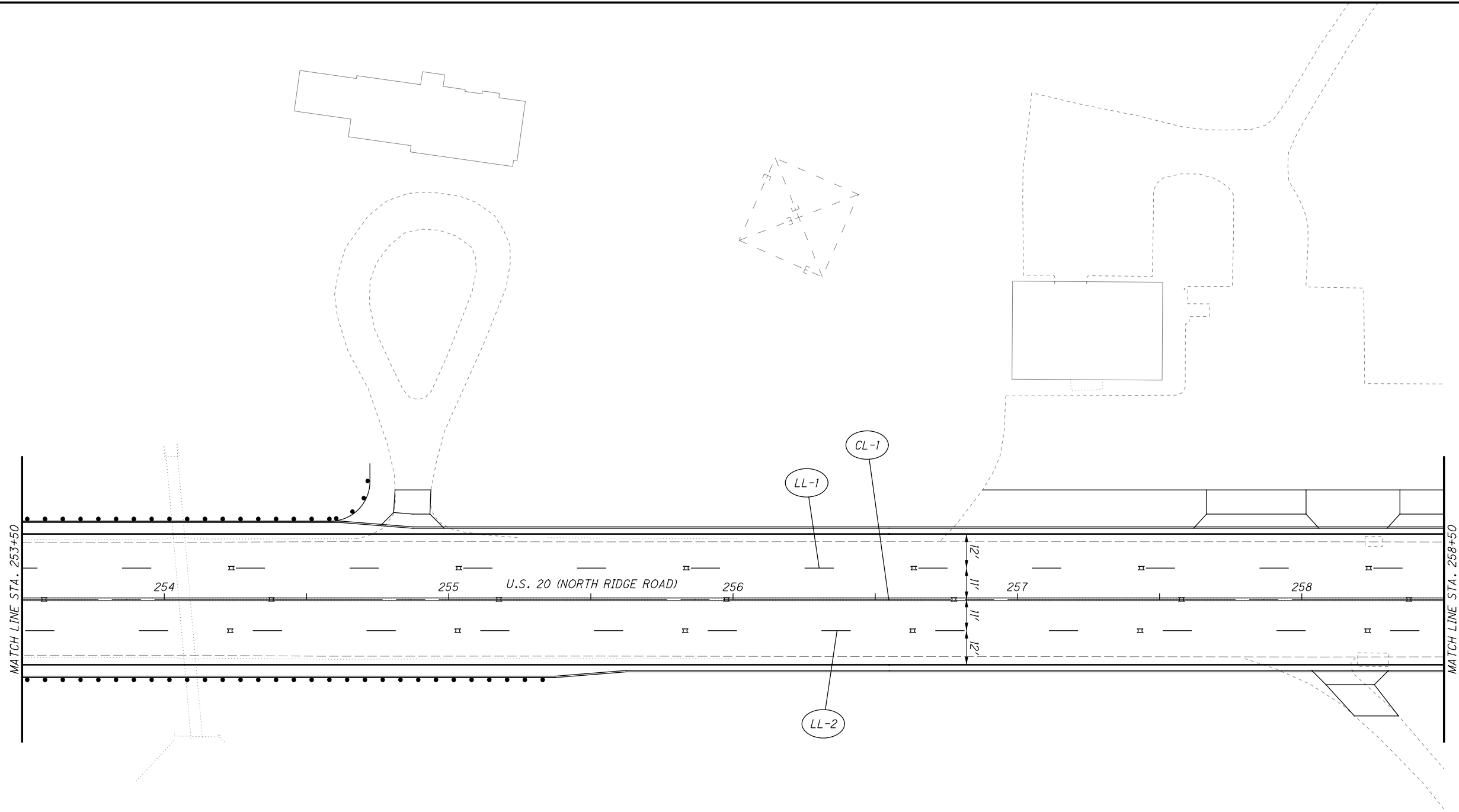
CALCULATED JDC  
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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 248+50 TO STA. 253+50**

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |



**PAVEMENT MARKING LEGEND**

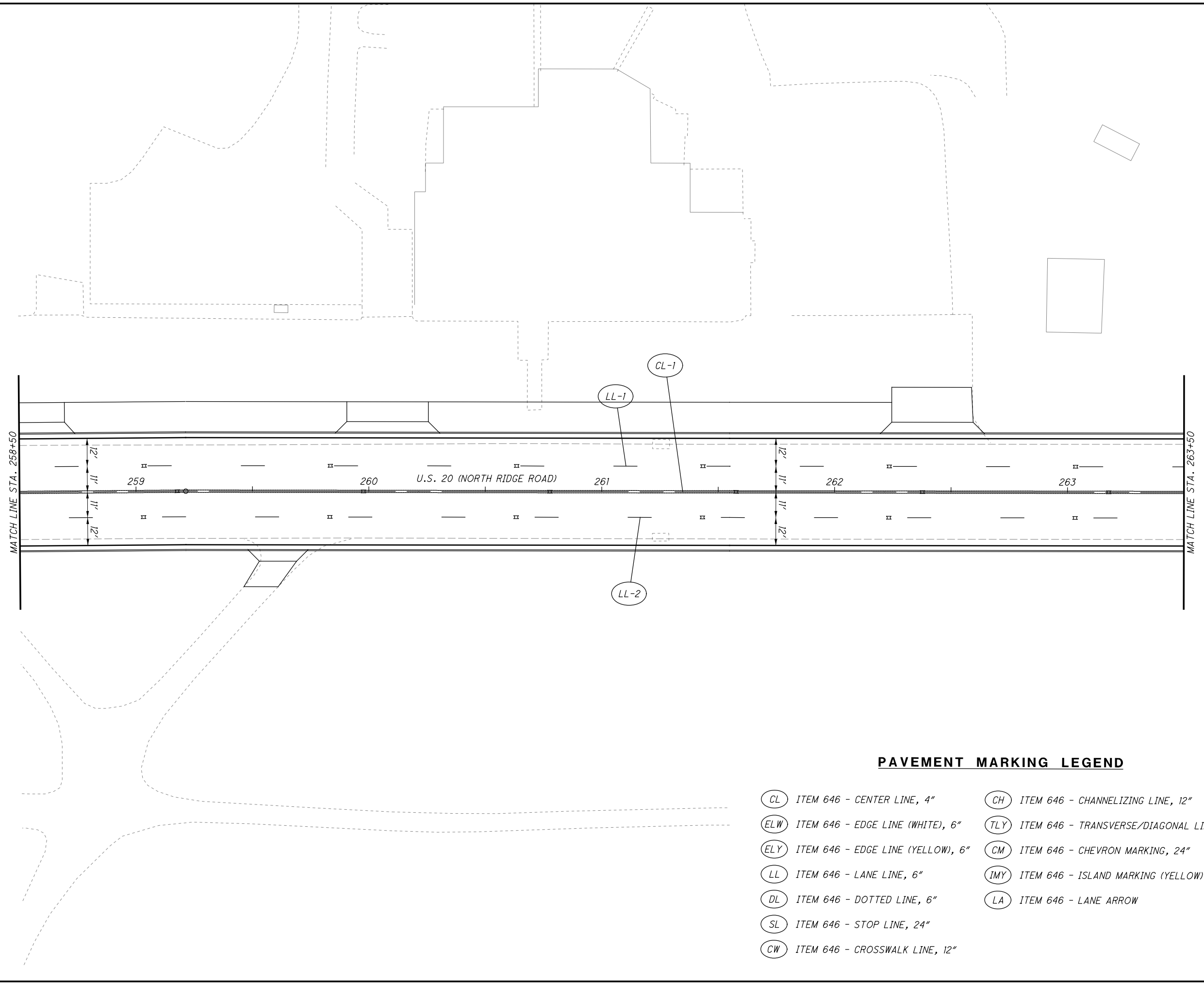
- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 253+50 TO STA. 258+50**

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED  
JDC  
CHECKED  
EJT

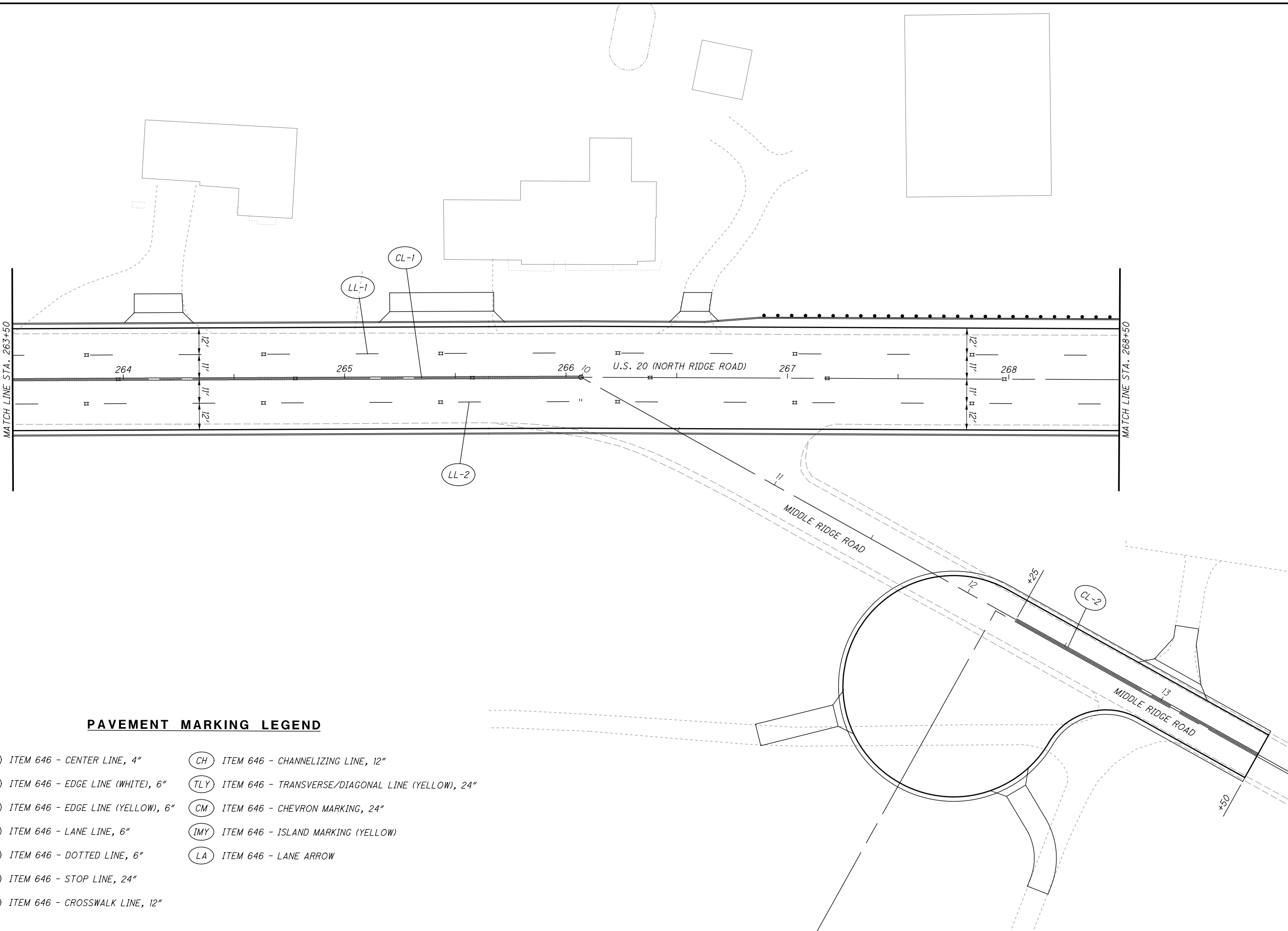
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HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 258+50 TO STA. 263+50**

**LAK-US-20-19.59**  
**PART 1**

914  
1253

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

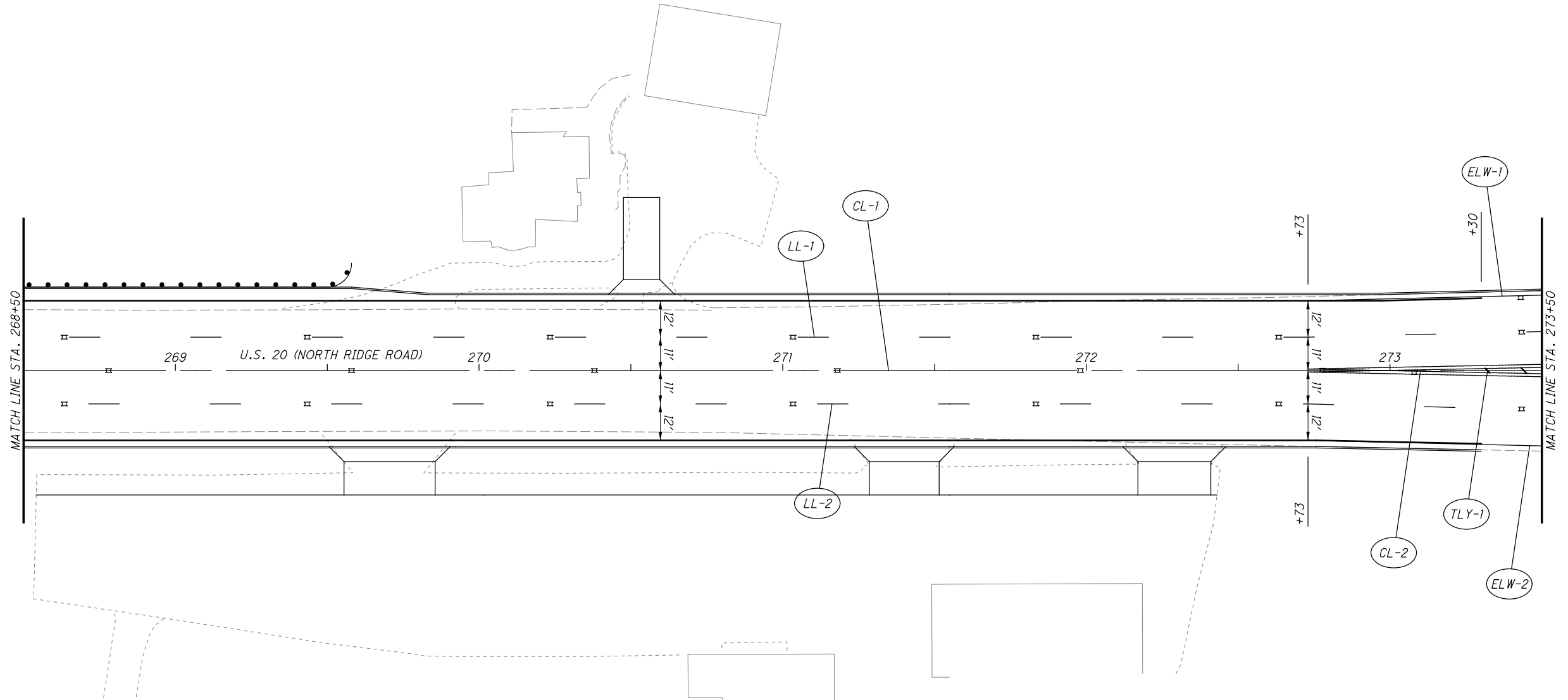
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JDC  
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EJT

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10  
HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 263+50 TO STA. 268+50**

**LAK-US-20-19.59  
PART 1**

915  
1253



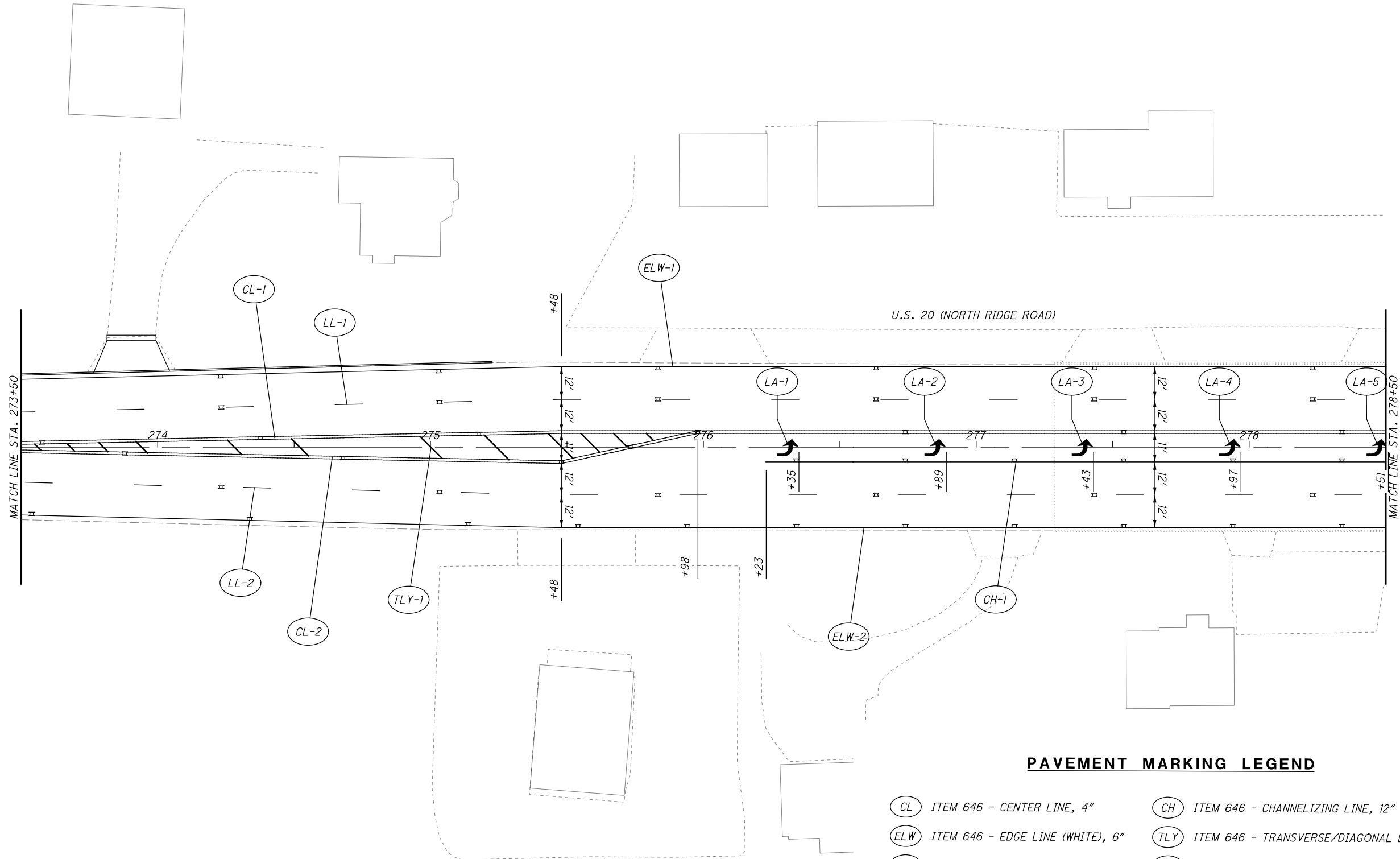
**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED  
JDC  
CHECKED  
EJT

0 20 40  
HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 268+50 TO STA. 273+50**



**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC CHECKED EJT

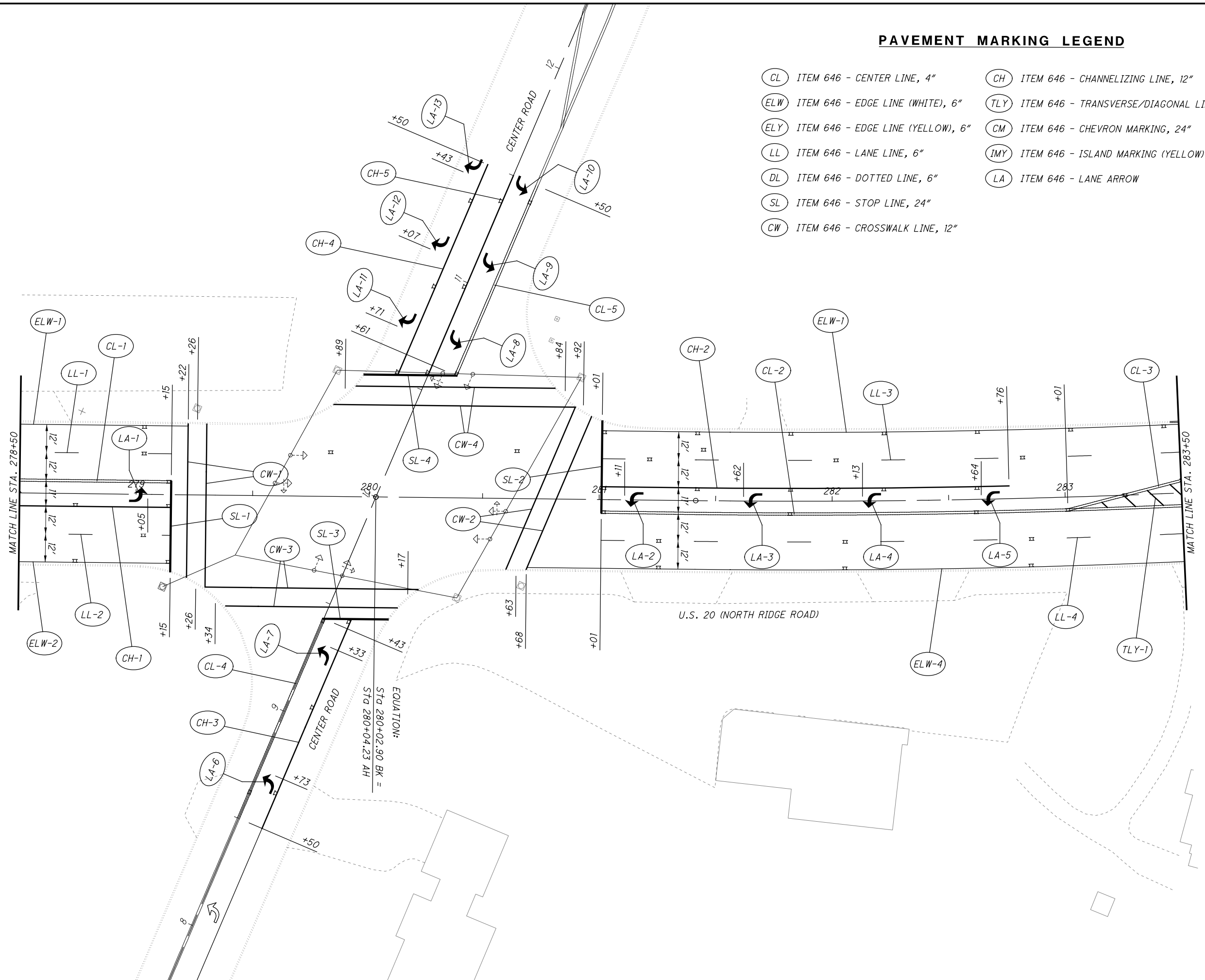
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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 273+50 TO STA. 278+50**



**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |



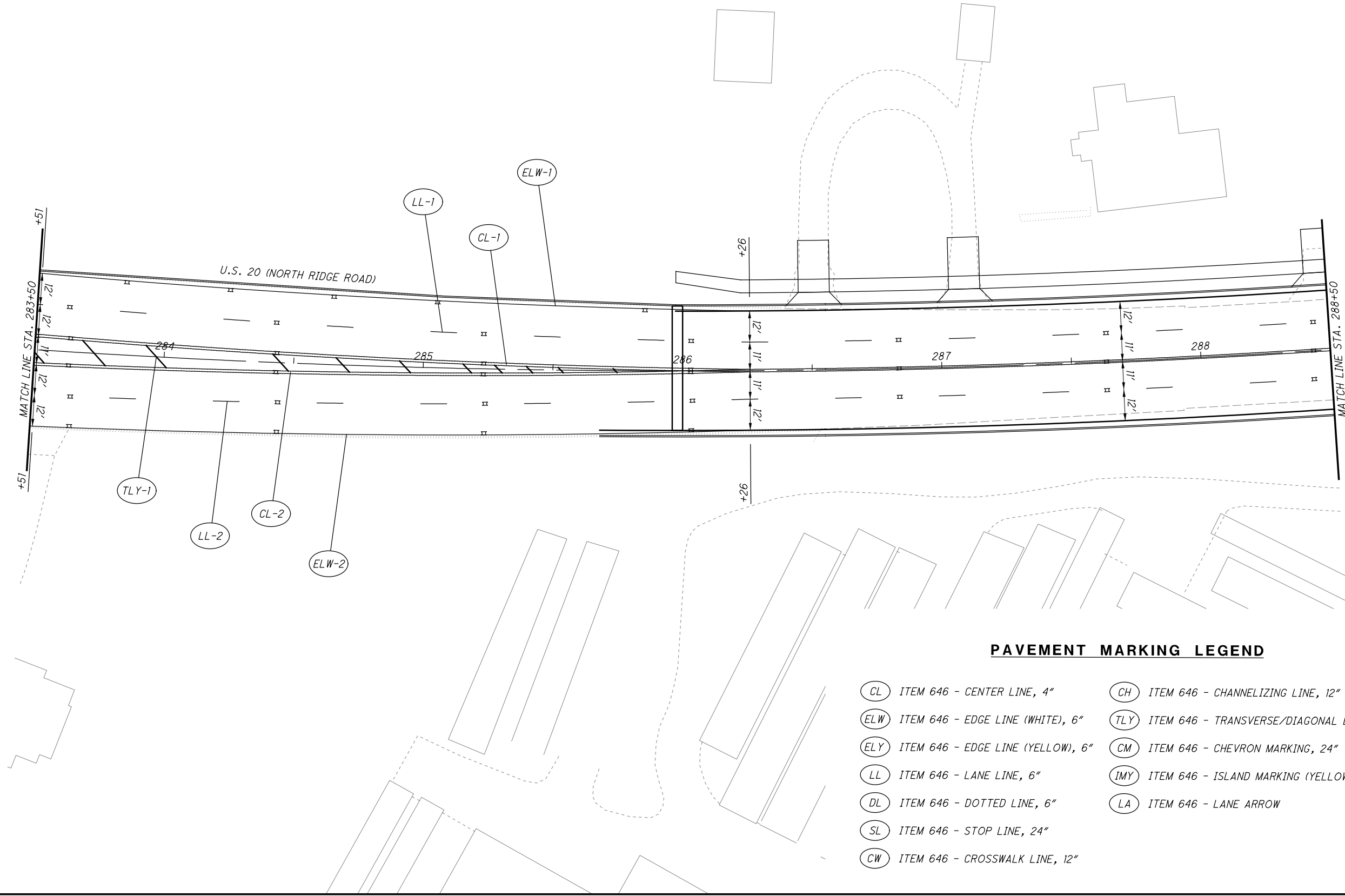
U.S. 20 (NORTH RIDGE ROAD)

EQUATION:  
 $STA\ 280+02.90\ BK =$   
 $STA\ 280+04.23\ AH$

CALCULATED JDC  
 CHECKED EJT

0 20 40  
 HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 278+50 TO STA. 283+50**



**PAVEMENT MARKING LEGEND**

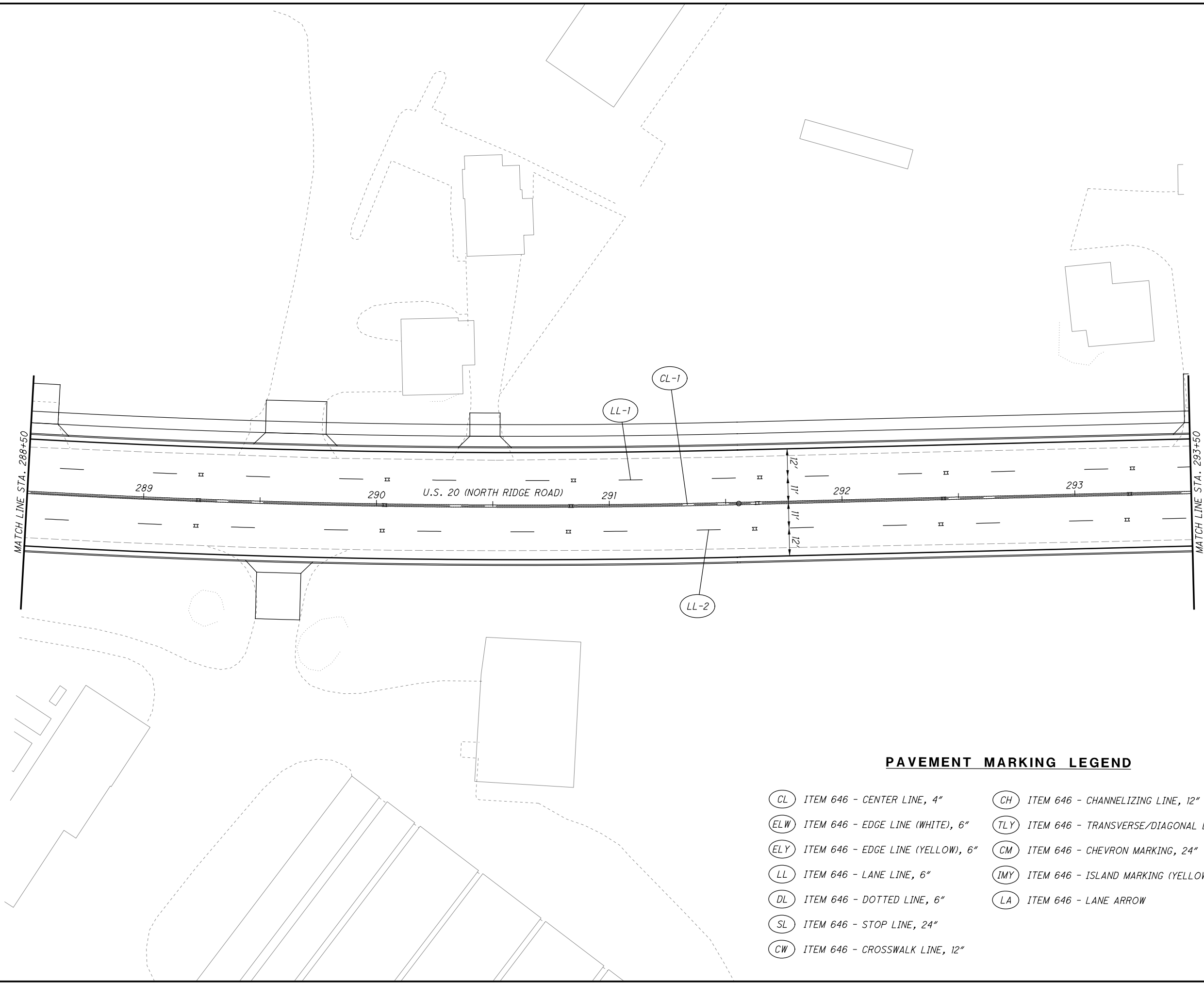
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|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 283+50 TO STA. 288+50**

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

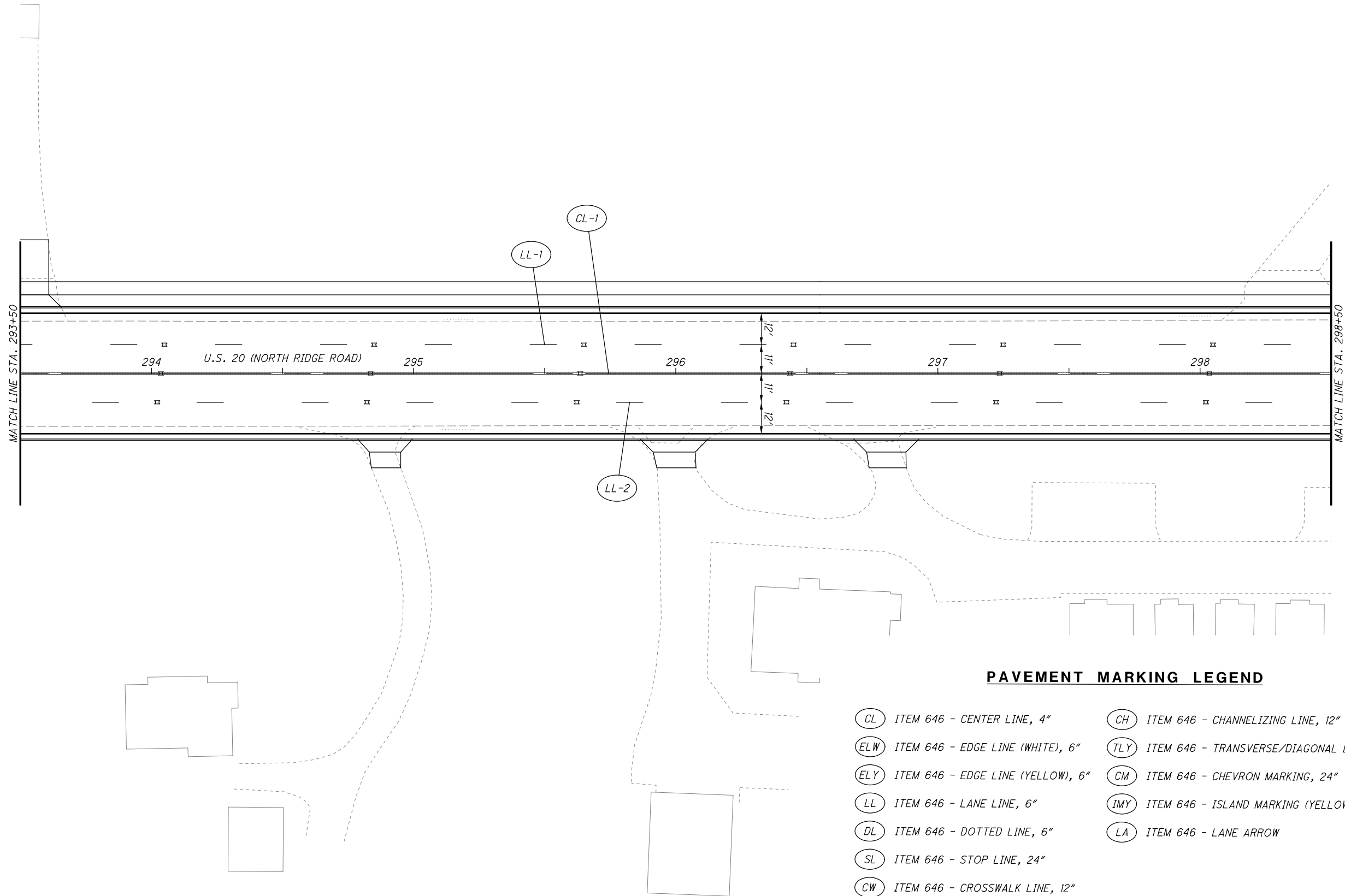
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JDC  
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EJT

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HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 288+50 TO STA. 293+50**

**LAK-US-20-19.59  
PART 1**

920  
1253



**PAVEMENT MARKING LEGEND**

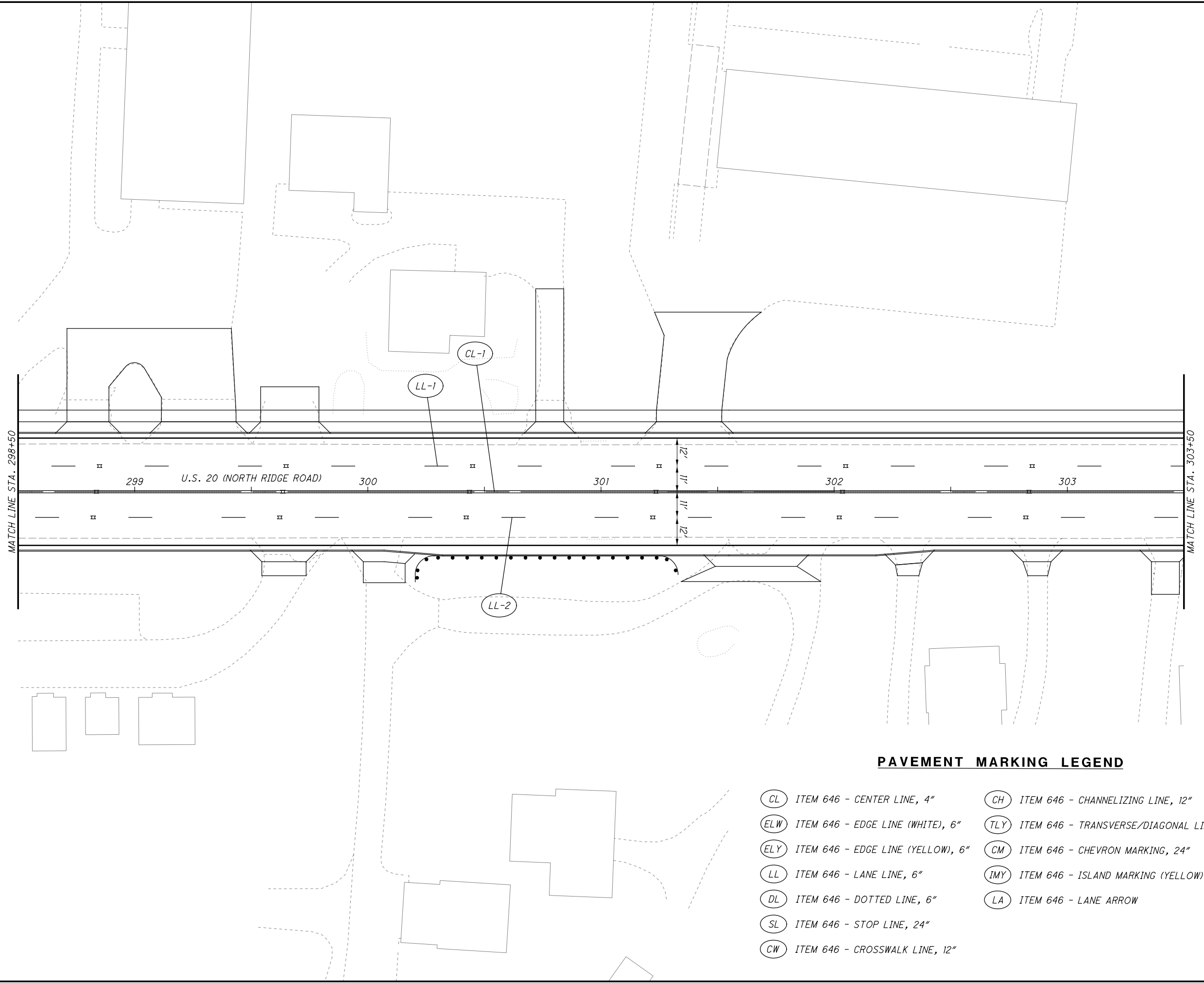
- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED  
JDC  
CHECKED  
EJT

0 20 40  
HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 293+50 TO STA. 298+50**

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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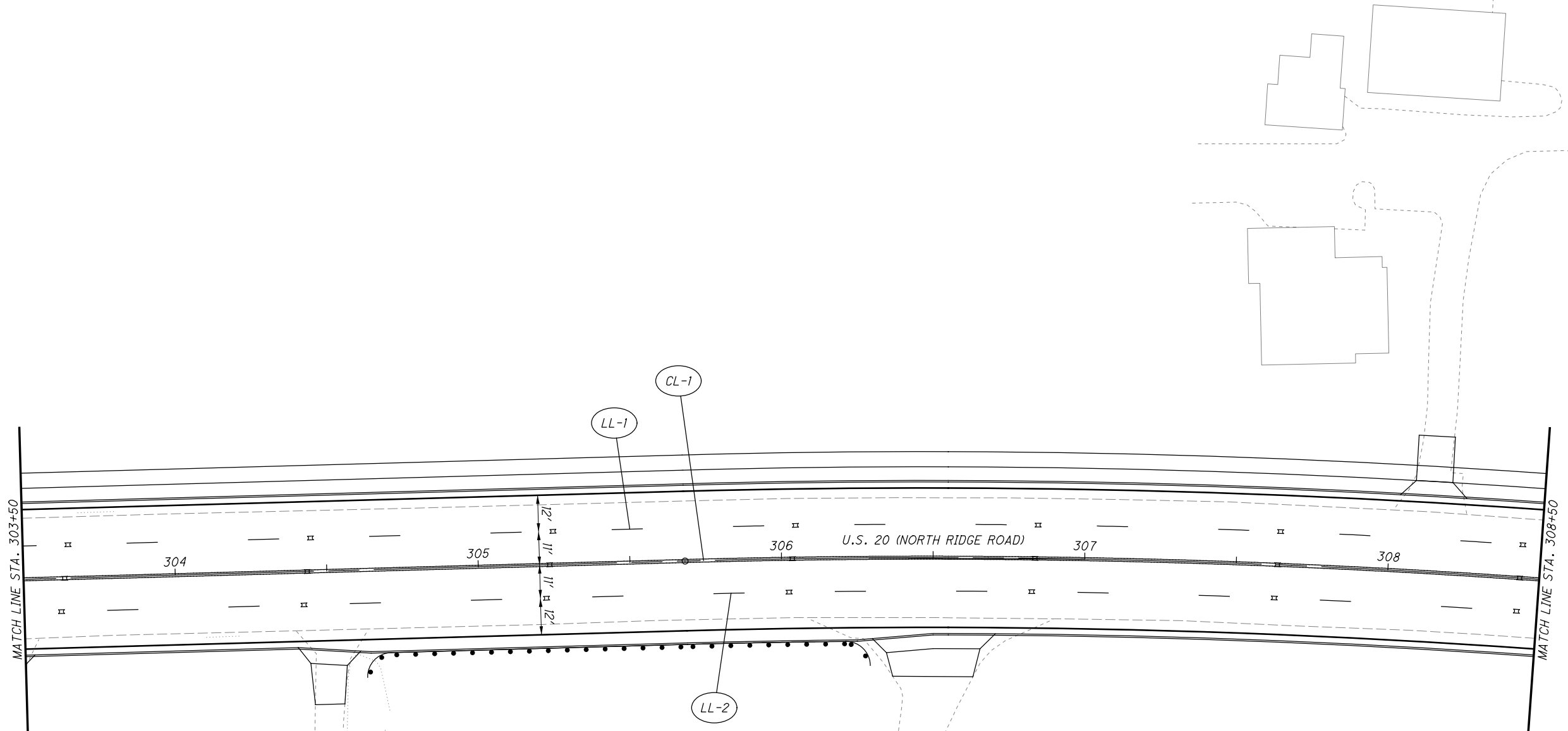
HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 298+50 TO STA. 303+50**

**LAK-US-20-19.59**  
**PART 1**

922  
 1253

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED  
JDC  
CHECKED  
EJT

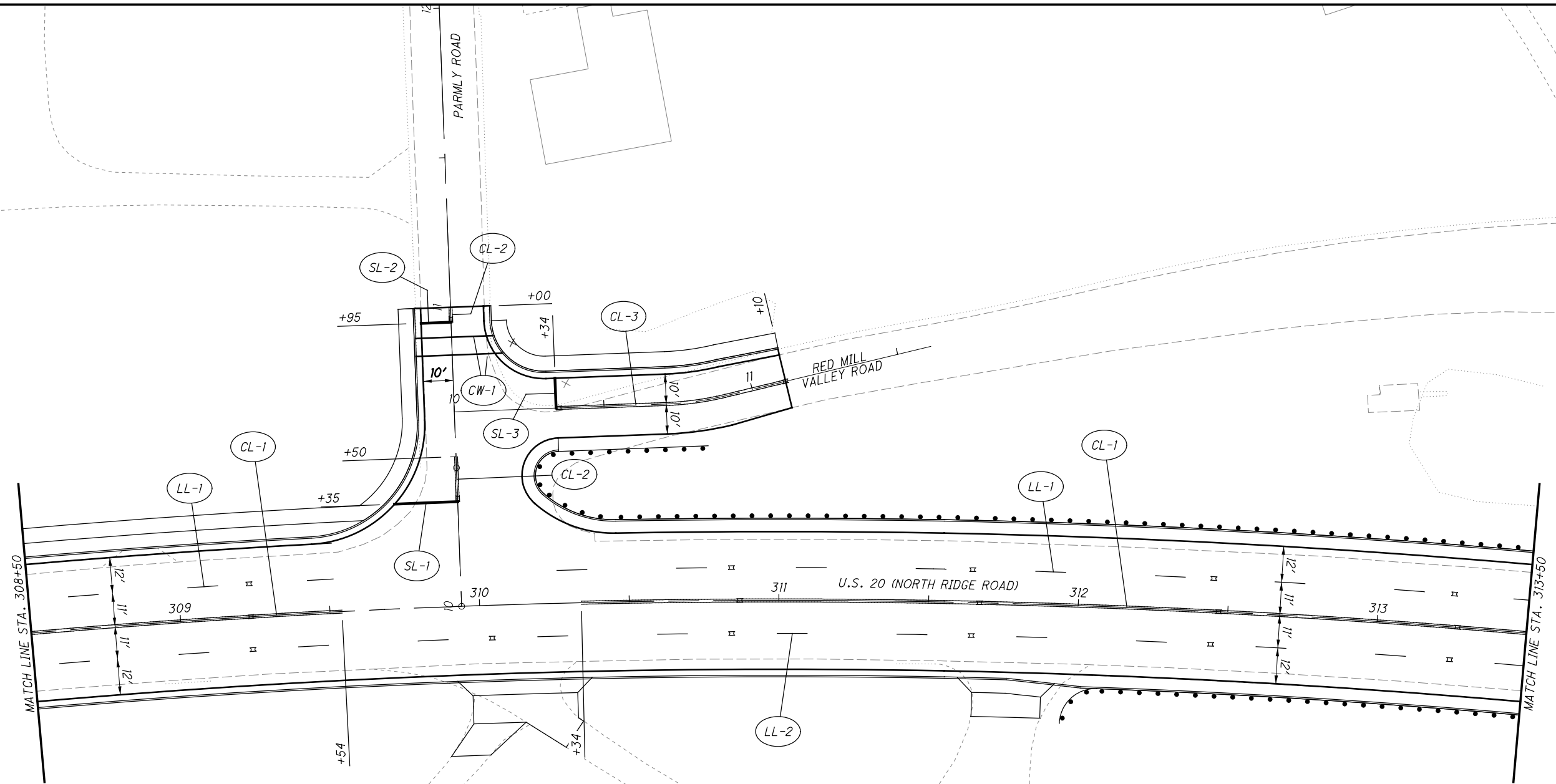
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HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 303+50 TO STA. 308+50**

**LAK-US-20-19.59  
PART 1**

923  
1253

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

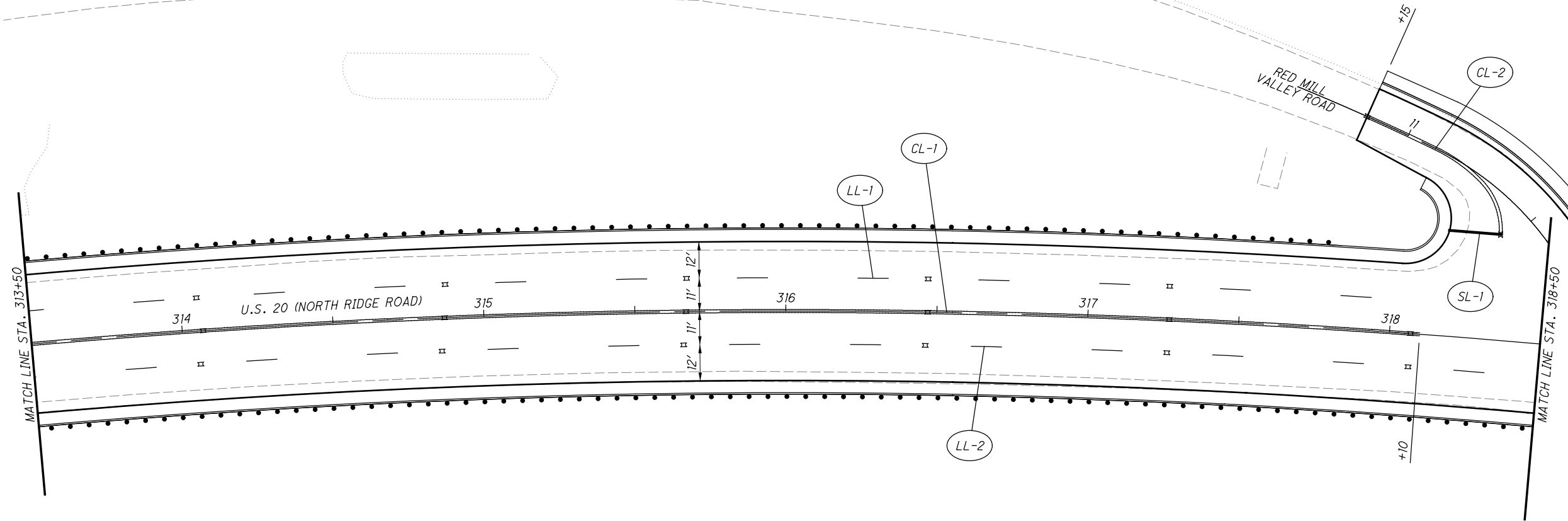
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**PAVEMENT MARKING PLAN  
STA. 308+50 TO STA. 313+50**

**LAK-US-20-19.59  
PART 1**

924  
1253

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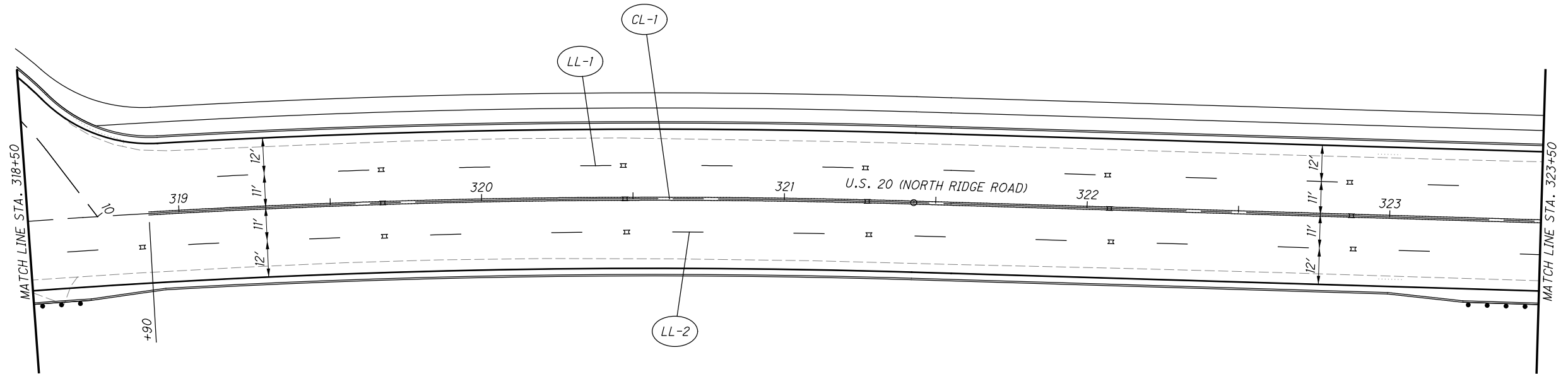
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 HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 313+50 TO STA. 318+50**

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |





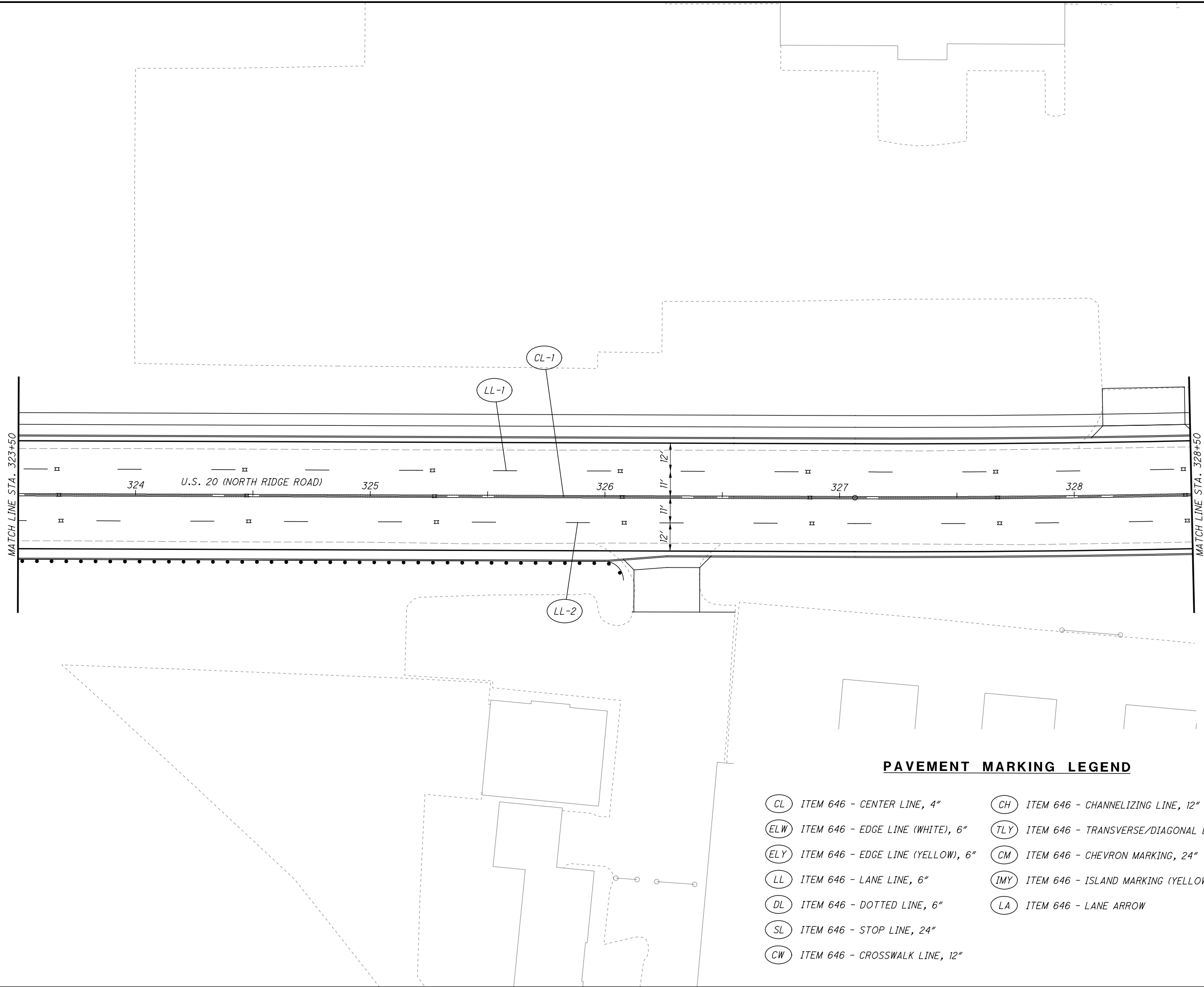
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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 318+50 TO STA. 323+50**

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |



**PAVEMENT MARKING LEGEND**

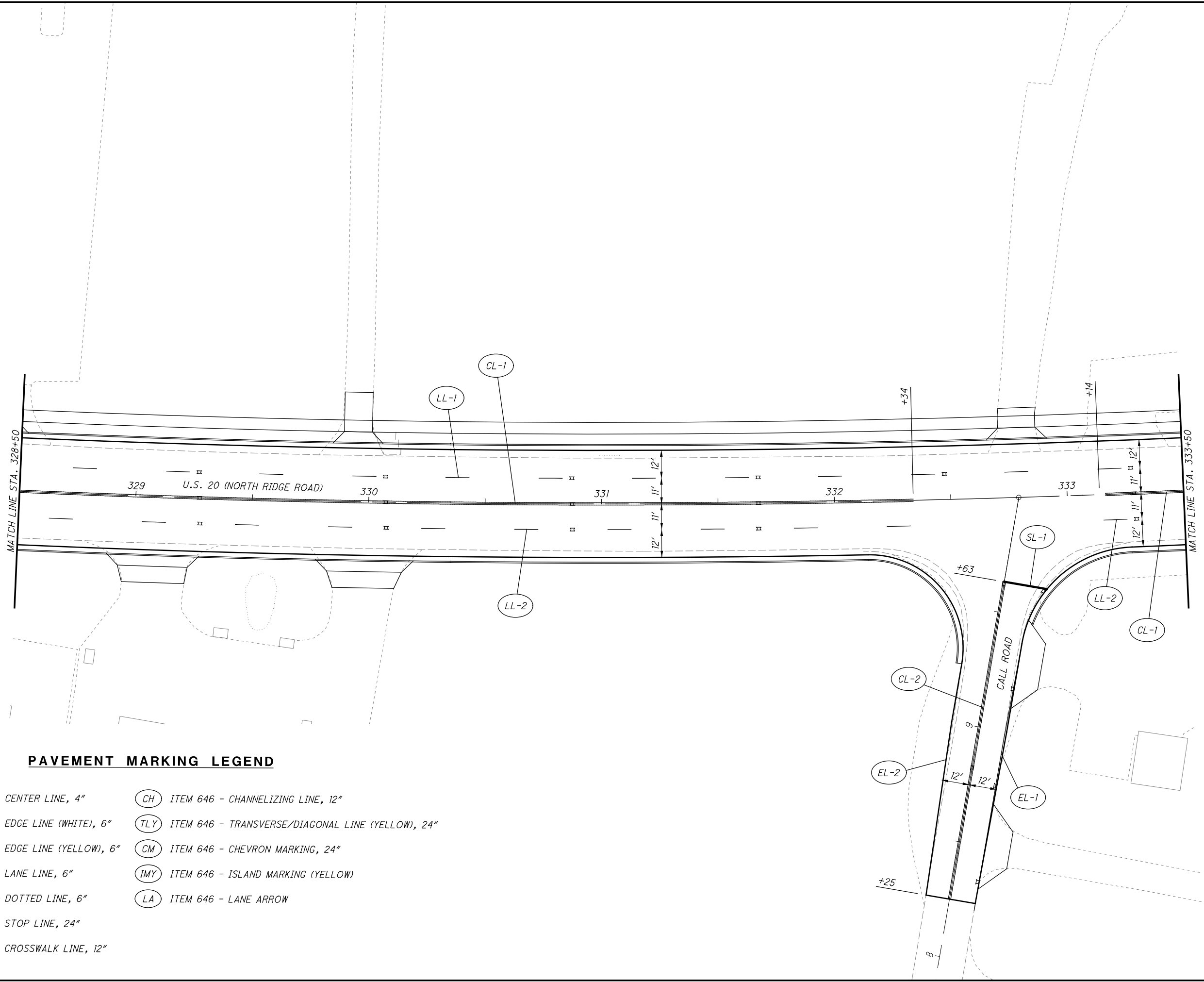
- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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JDC  
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SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 323+50 TO STA. 328+50**

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

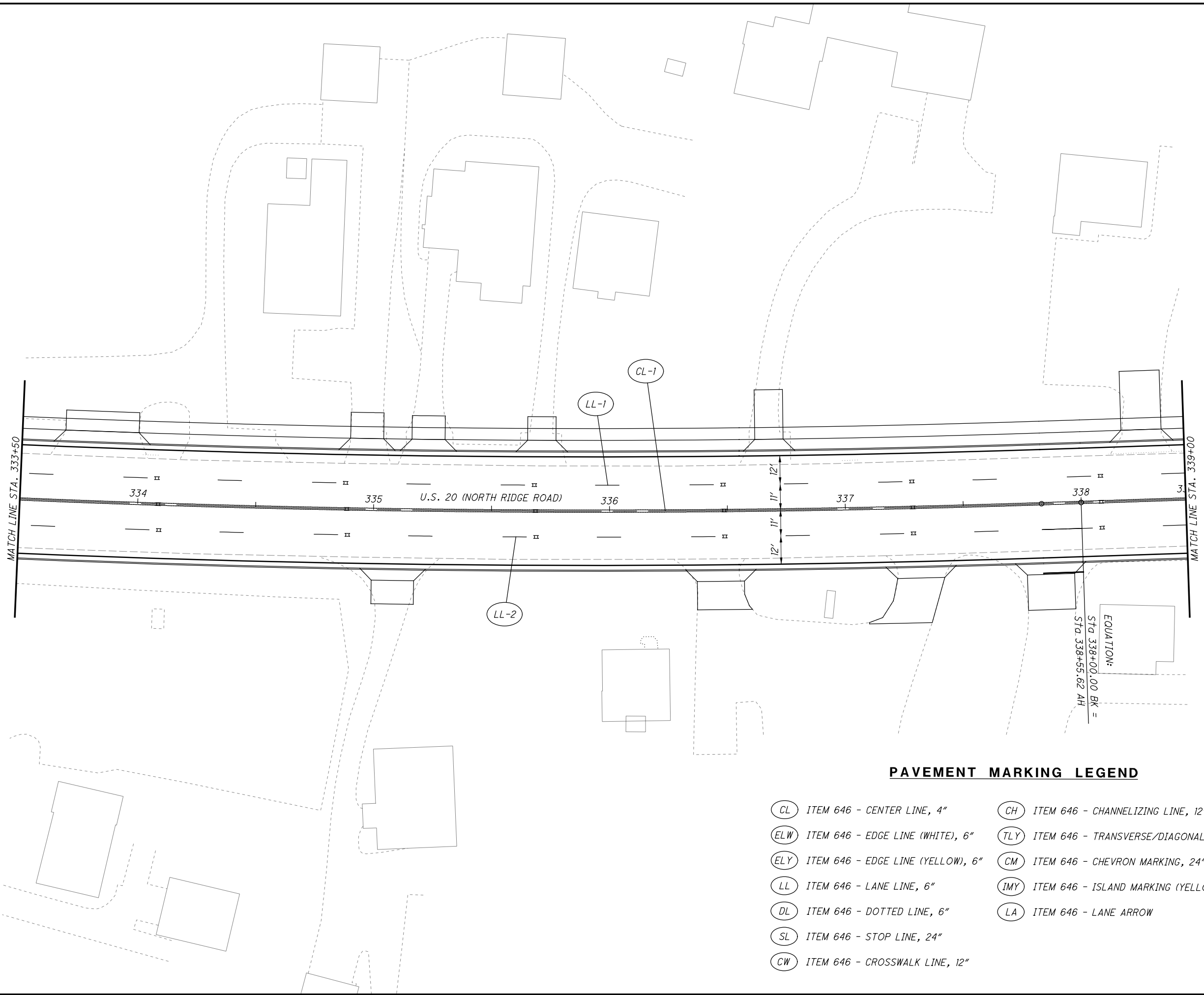


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**PAVEMENT MARKING PLAN  
STA. 328+50 TO STA. 333+50**

**LAK-US-20-19.59  
PART 1**

928  
1253



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HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 333+50 TO STA. 339+00**

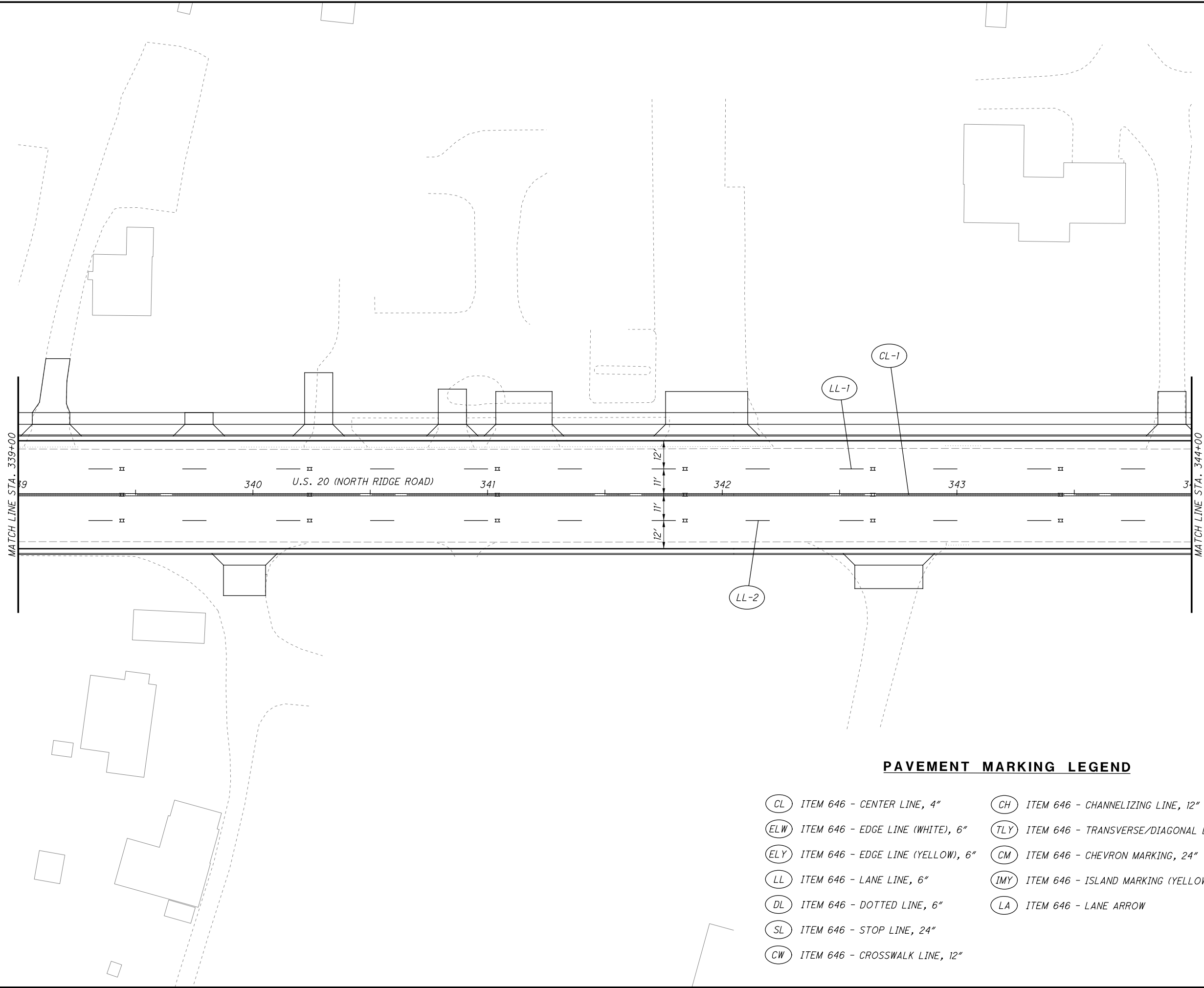
**LAK-US-20-19.59**  
**PART 1**

929  
1253

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

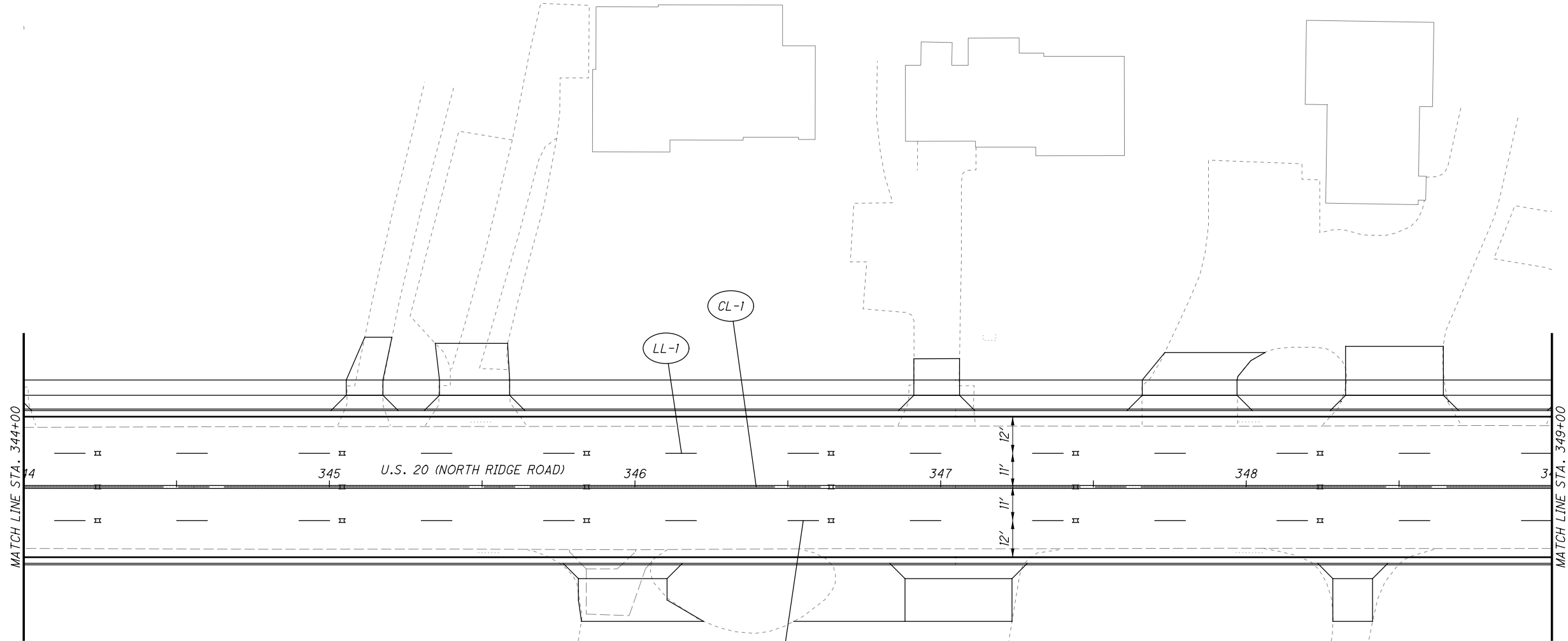
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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 339+00 TO STA. 344+00**

**LAK-US-20-19.59  
PART 1**

930  
1253



**PAVEMENT MARKING LEGEND**

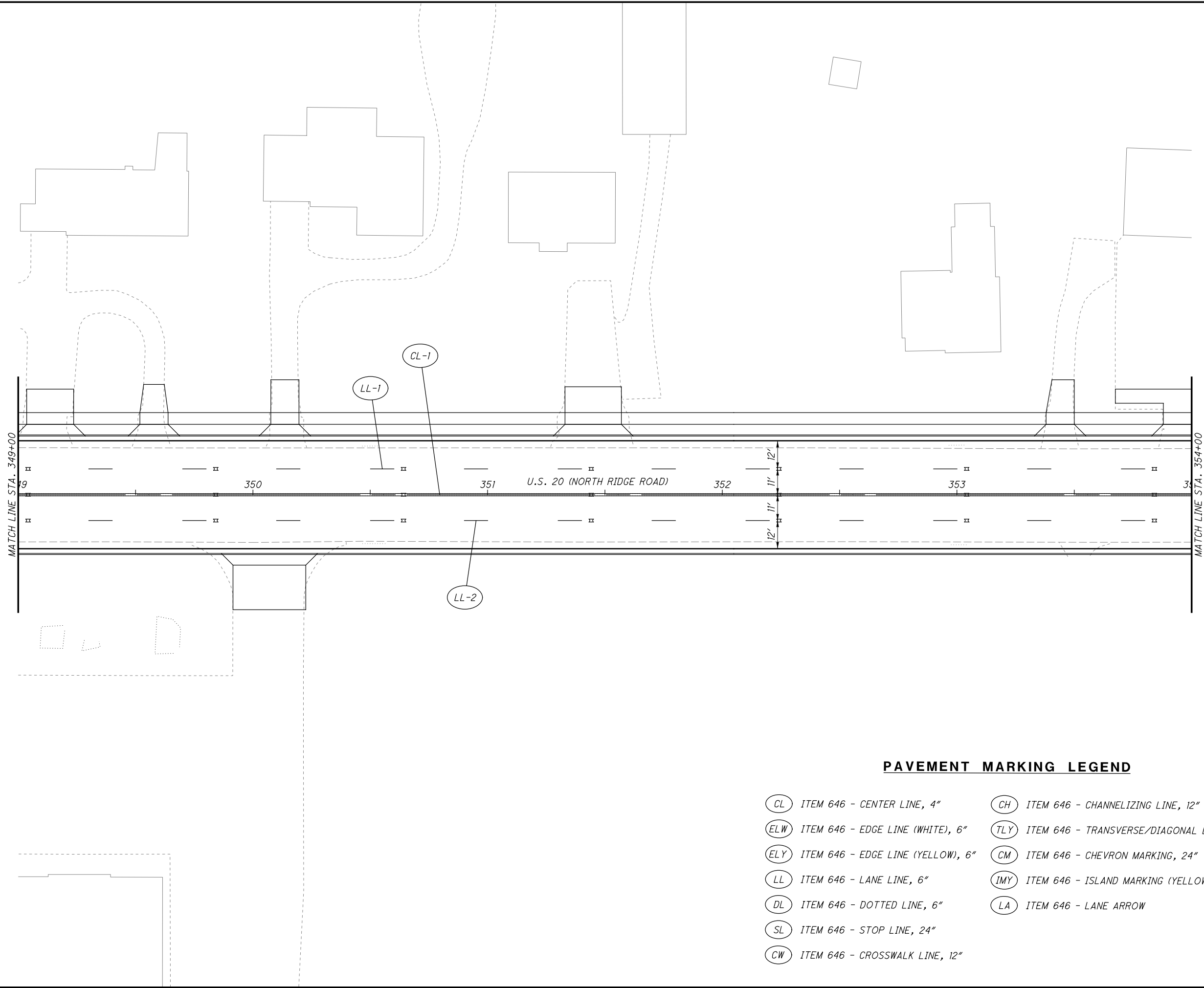
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|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 344+00 TO STA. 349+00**

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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 349+00 TO STA. 354+00**

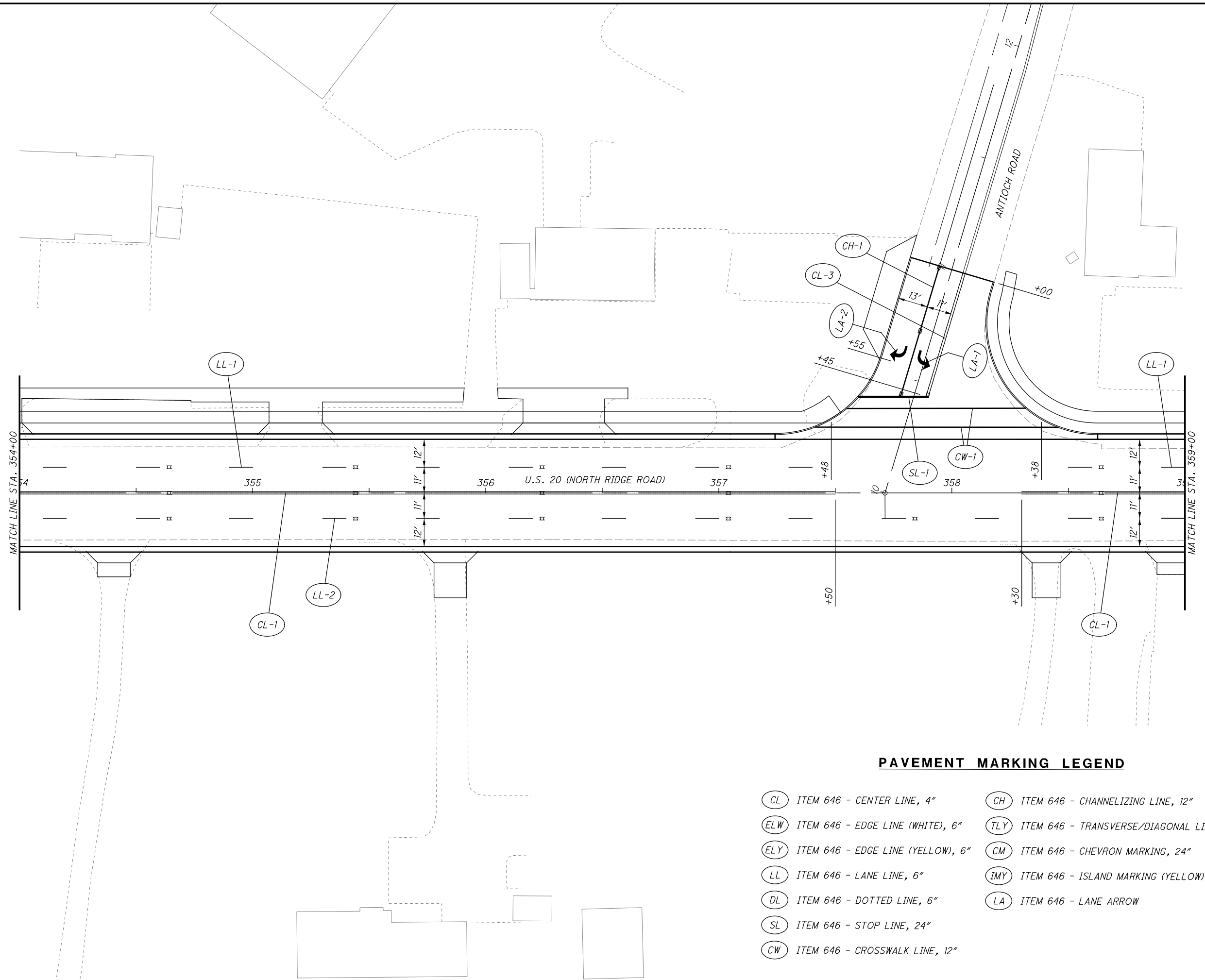
**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

**LAK-US-20-19.59**  
**PART 1**

932  
1253

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HORIZONTAL SCALE IN FEET

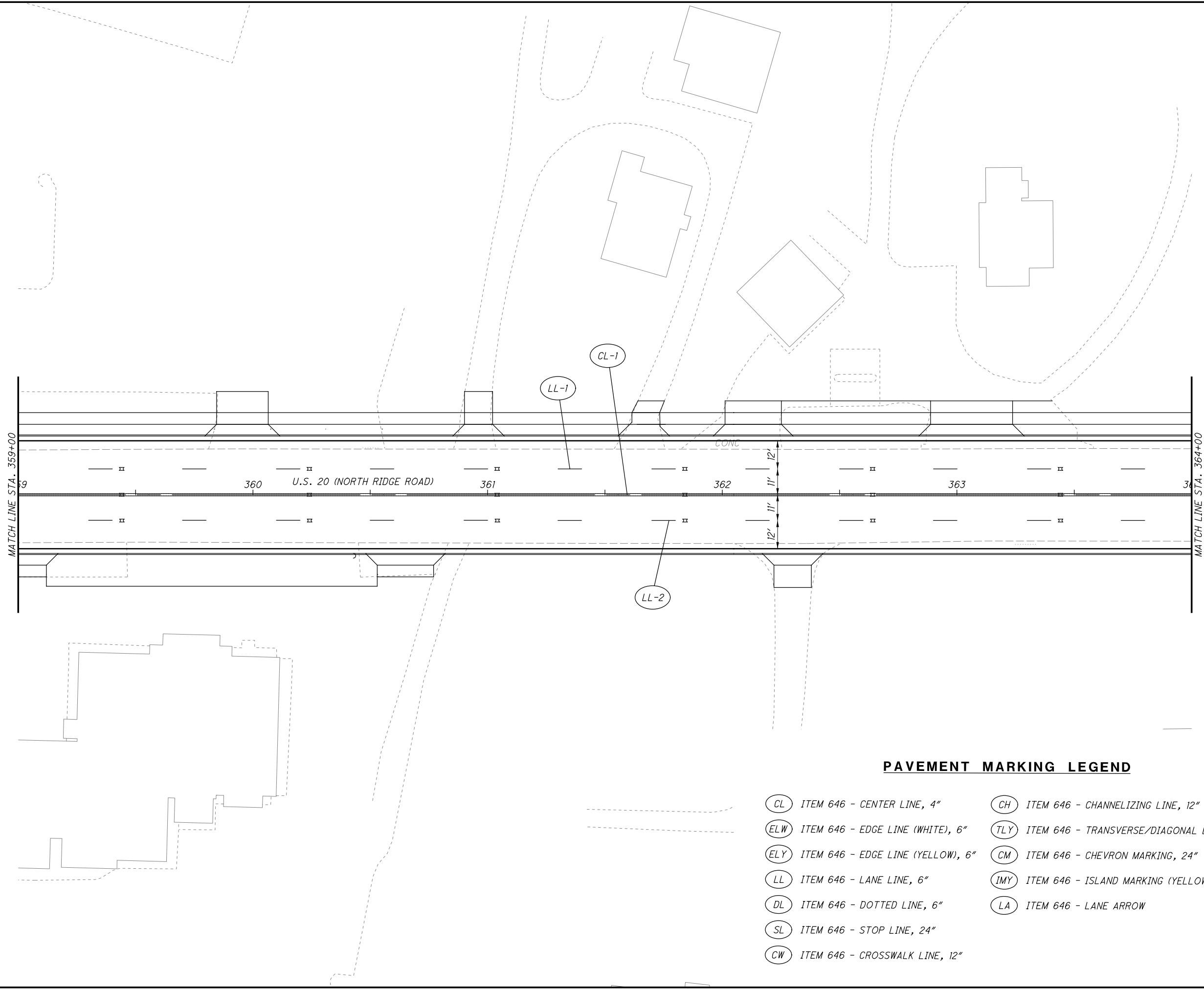
**PAVEMENT MARKING PLAN**  
**STA. 354+00 TO STA. 359+00**

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
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| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |



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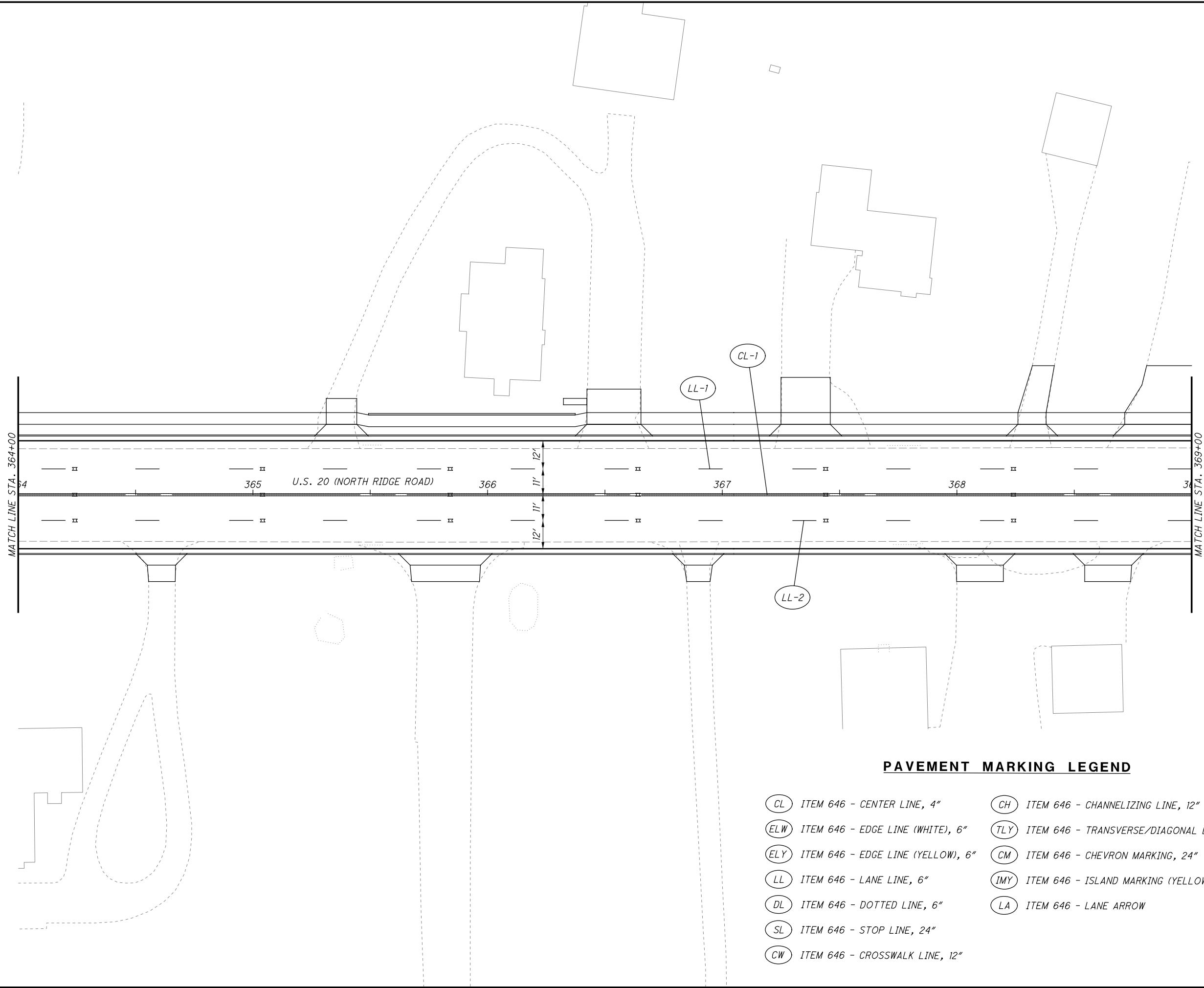
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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 359+00 TO STA. 364+00**

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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JDC  
CHECKED  
EJT

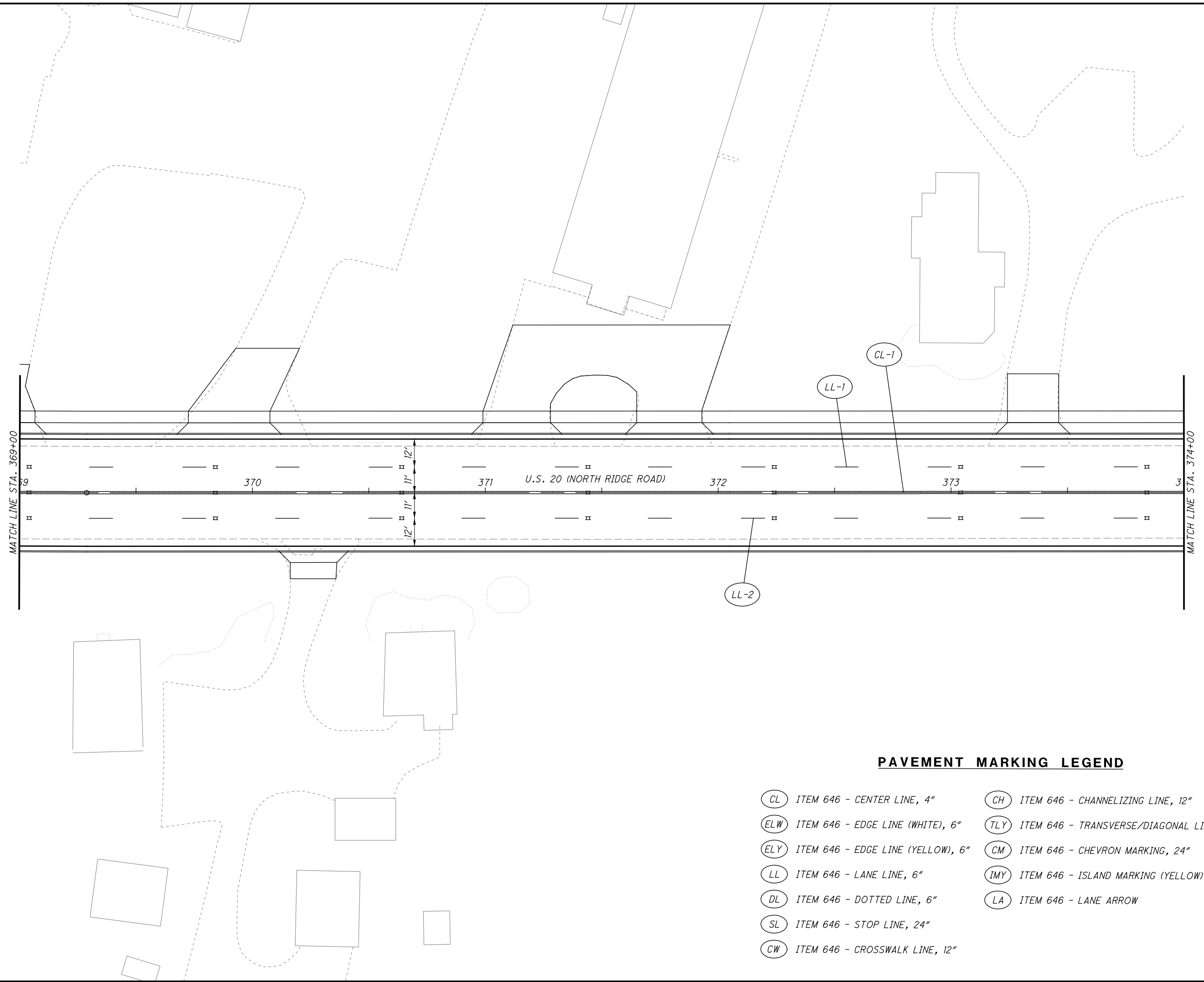
HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 364+00 TO STA. 369+00**

**LAK-US-20-19.59  
PART 1**

935  
1253

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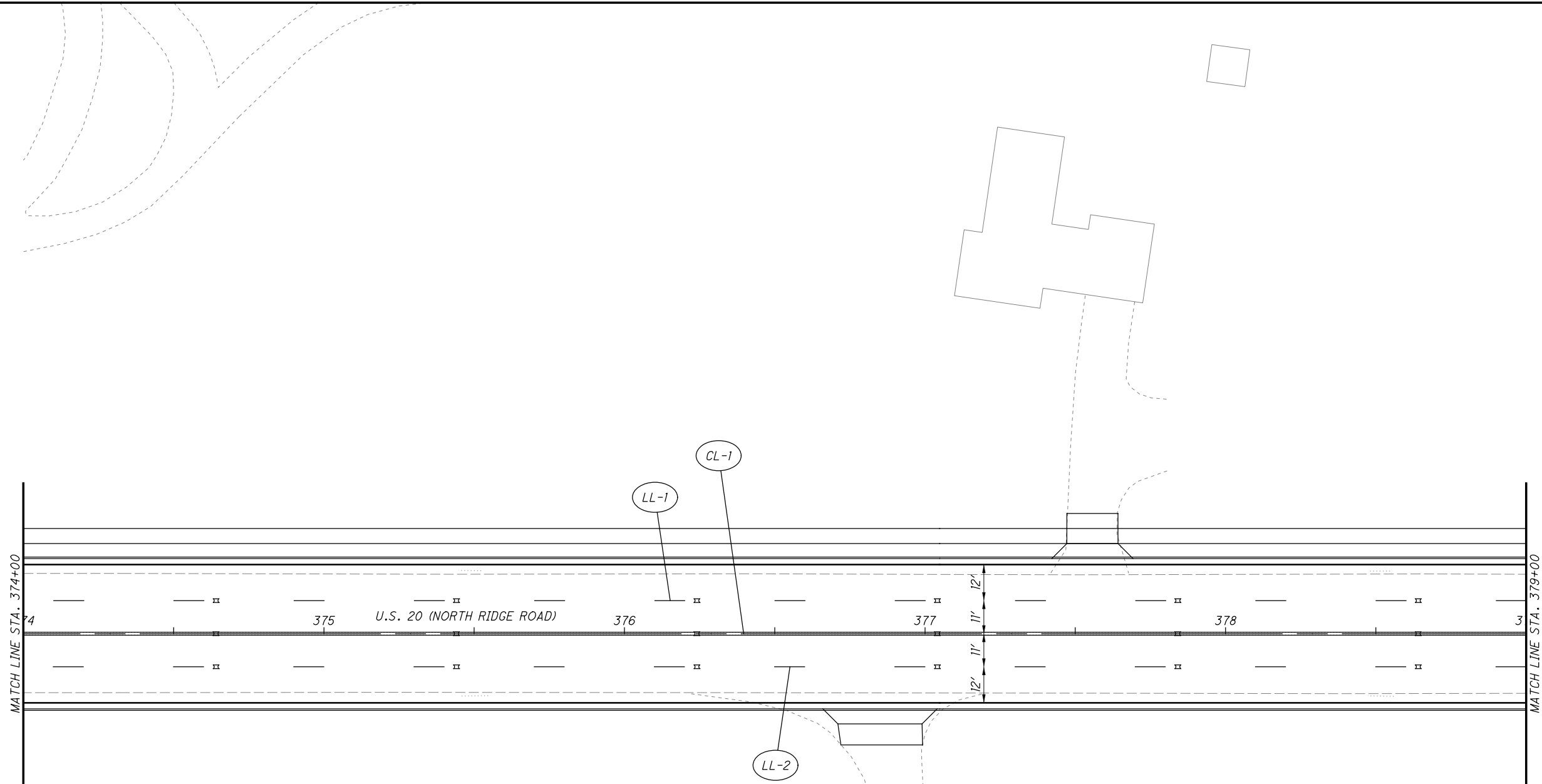
**PAVEMENT MARKING PLAN**  
**STA. 369+00 TO STA. 374+00**

**LAK-US-20-19.59**  
**PART 1**

936  
1253

**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |



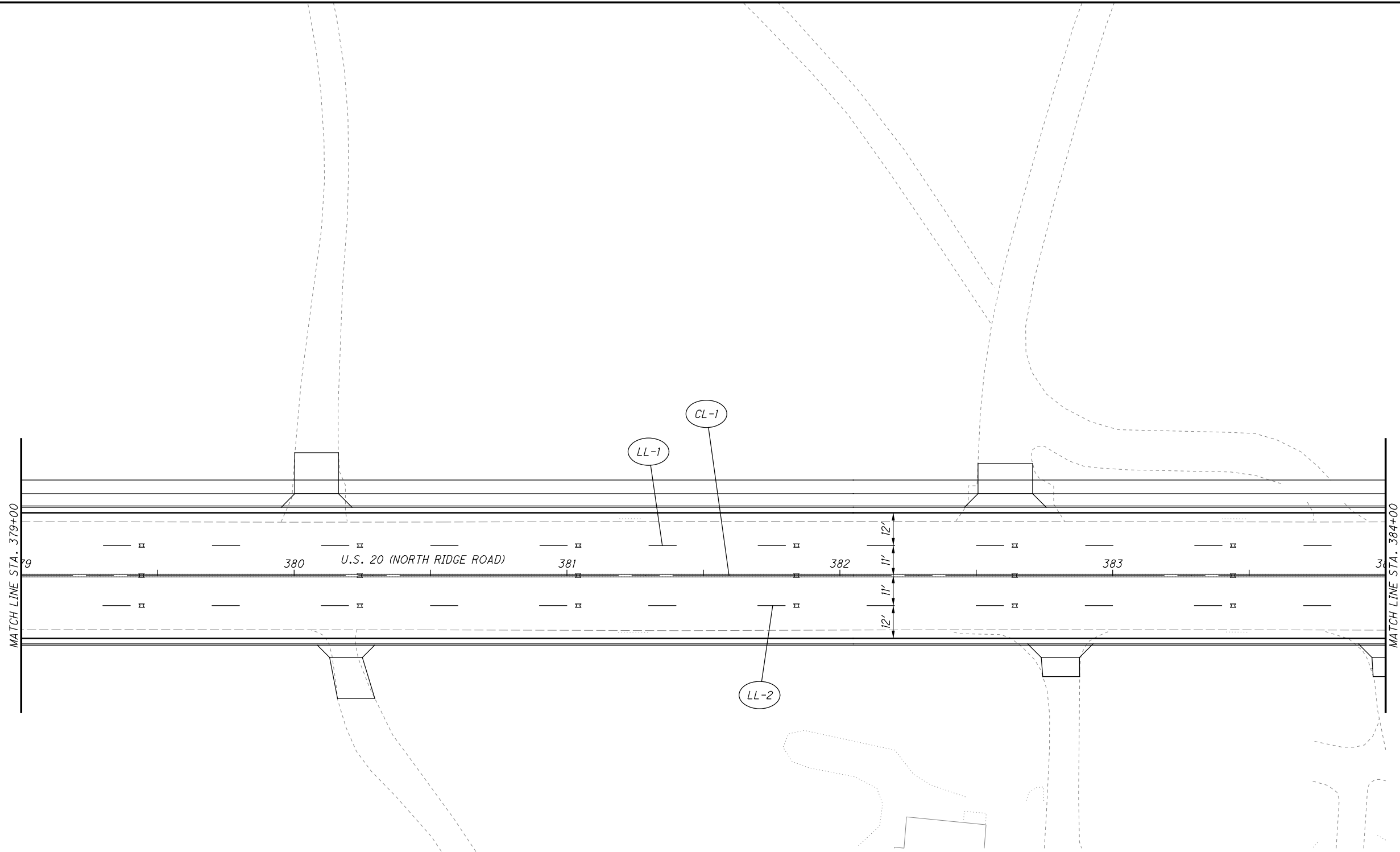
**PAVEMENT MARKING LEGEND**

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|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 374+00 TO STA. 379+00**



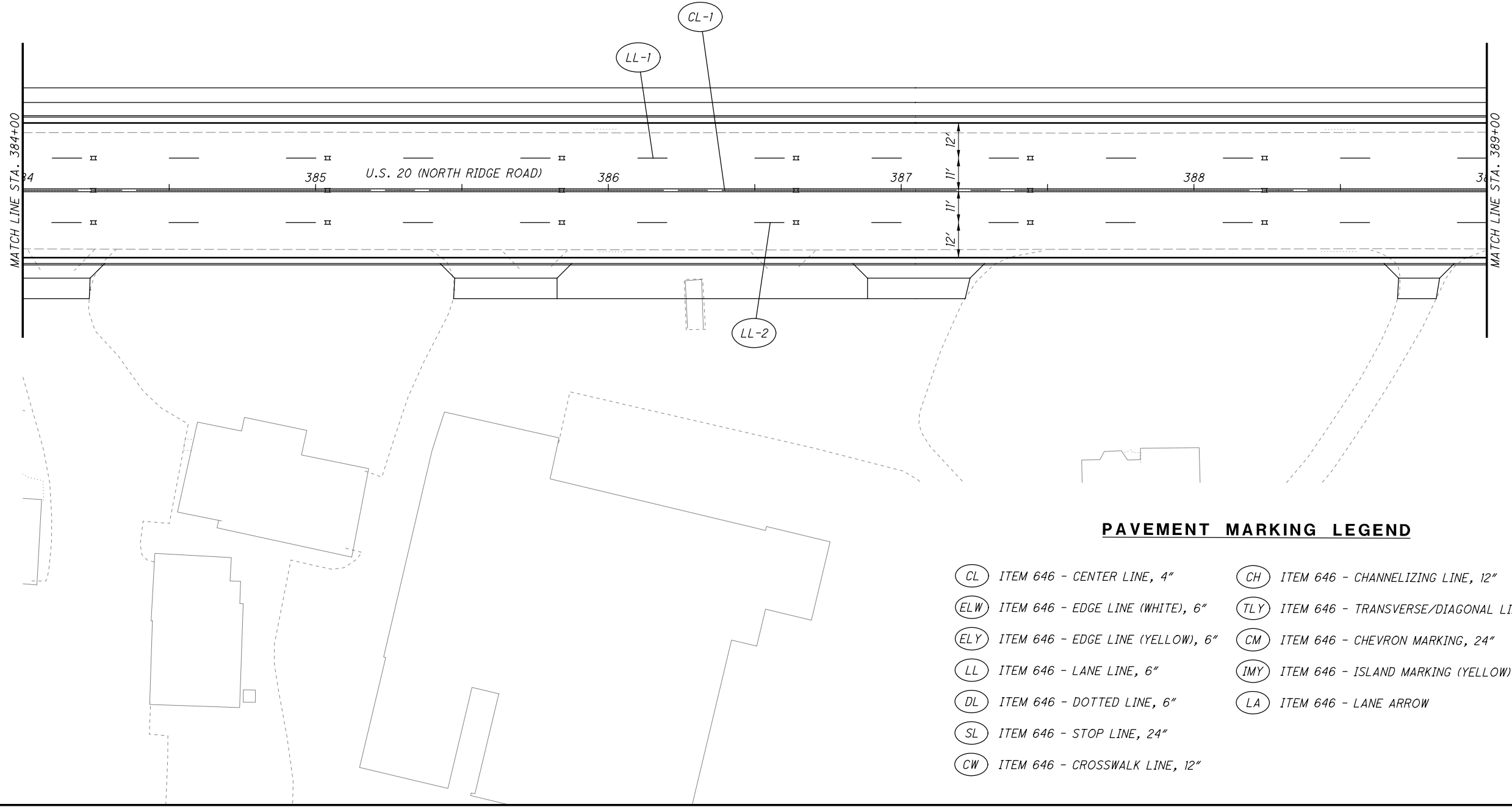
**PAVEMENT MARKING LEGEND**

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|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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**PAVEMENT MARKING PLAN  
STA. 379+00 TO STA. 384+00**



**PAVEMENT MARKING LEGEND**

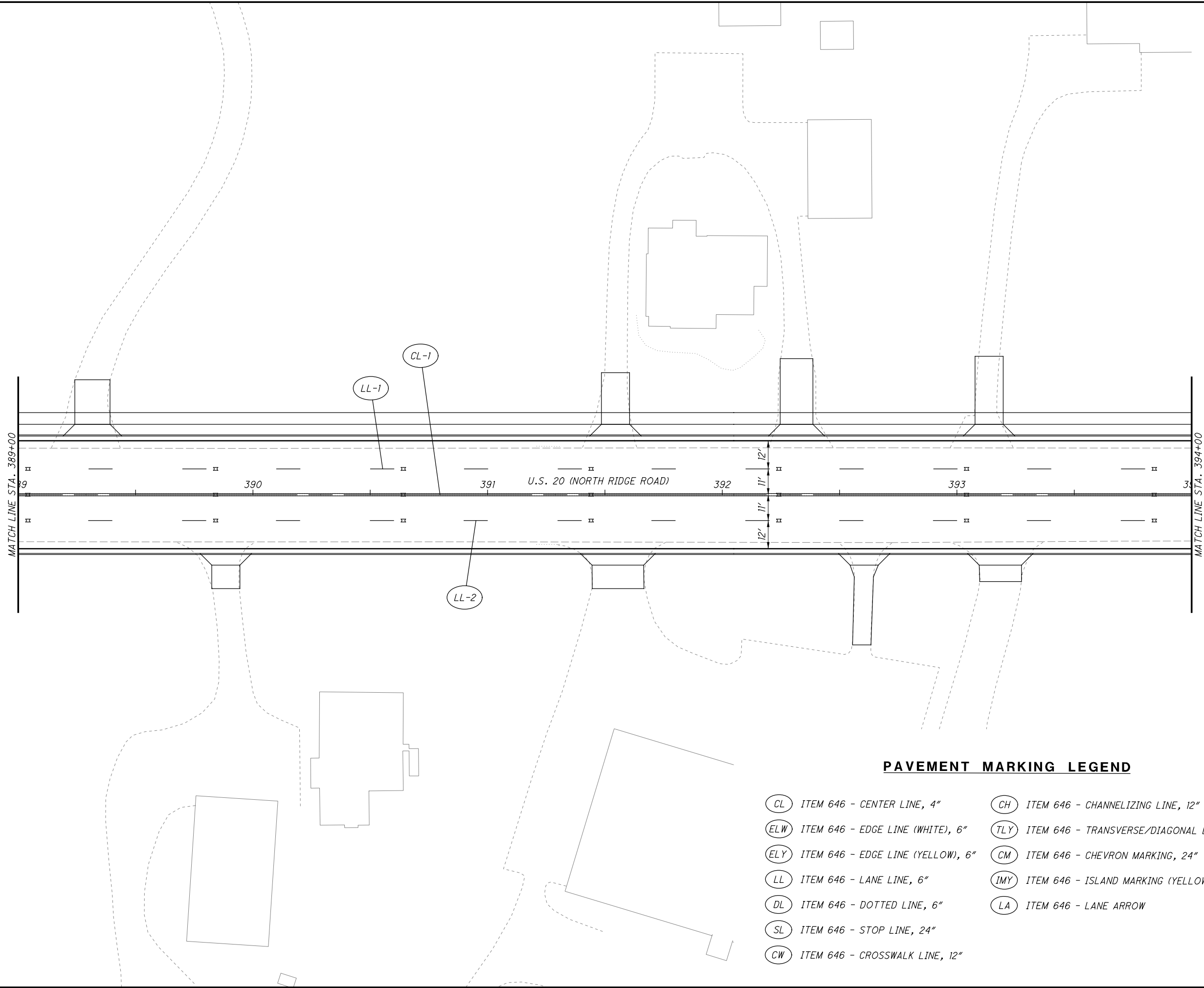
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|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

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HORIZONTAL SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 384+00 TO STA. 389+00**

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED  
JDC  
CHECKED  
EJT

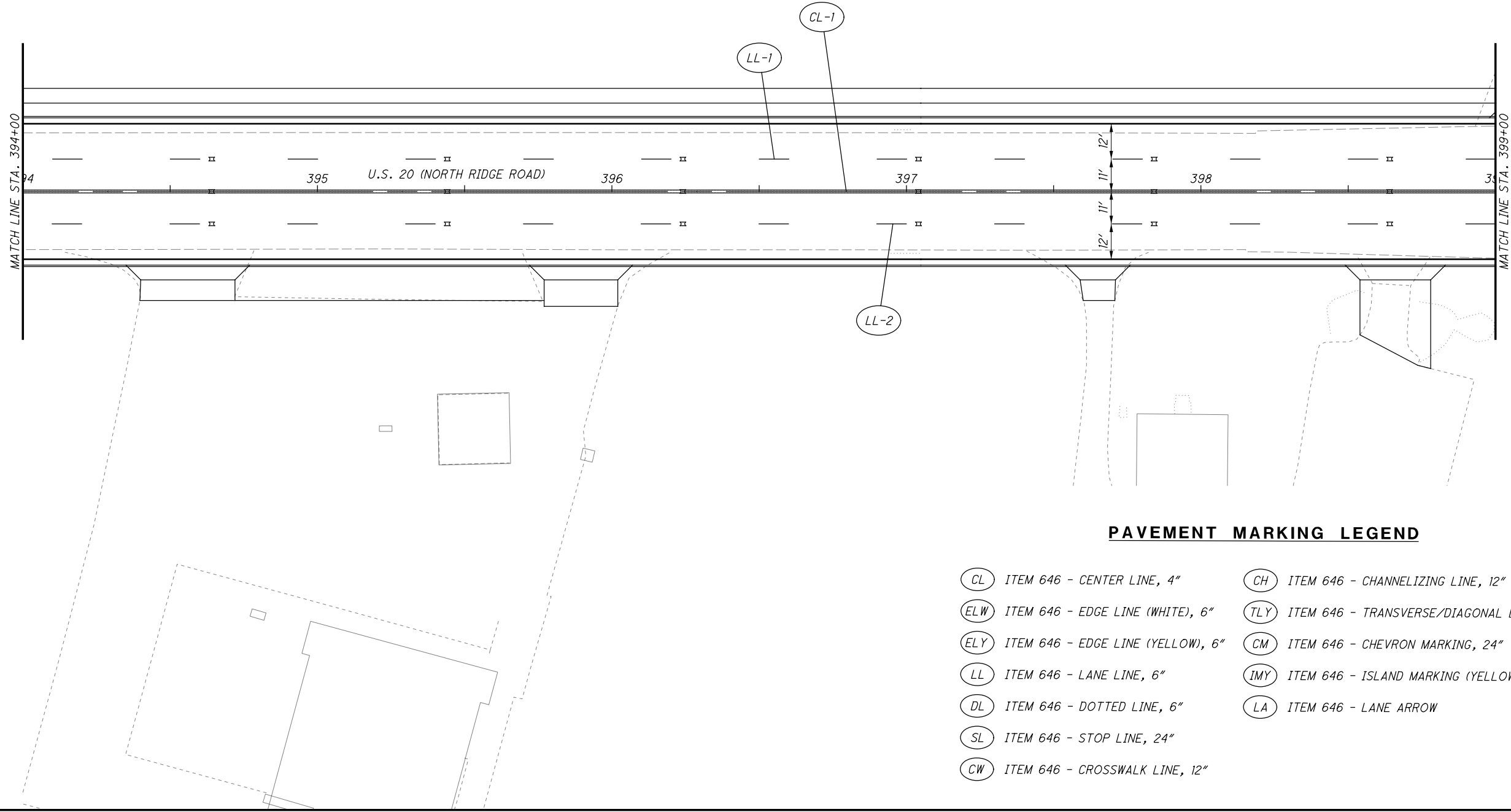
0 20 40  
10  
HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 389+00 TO STA. 394+00**

**LAK-US-20-19.59  
PART 1**

940  
1253

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**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED JDC  
CHECKED EJT

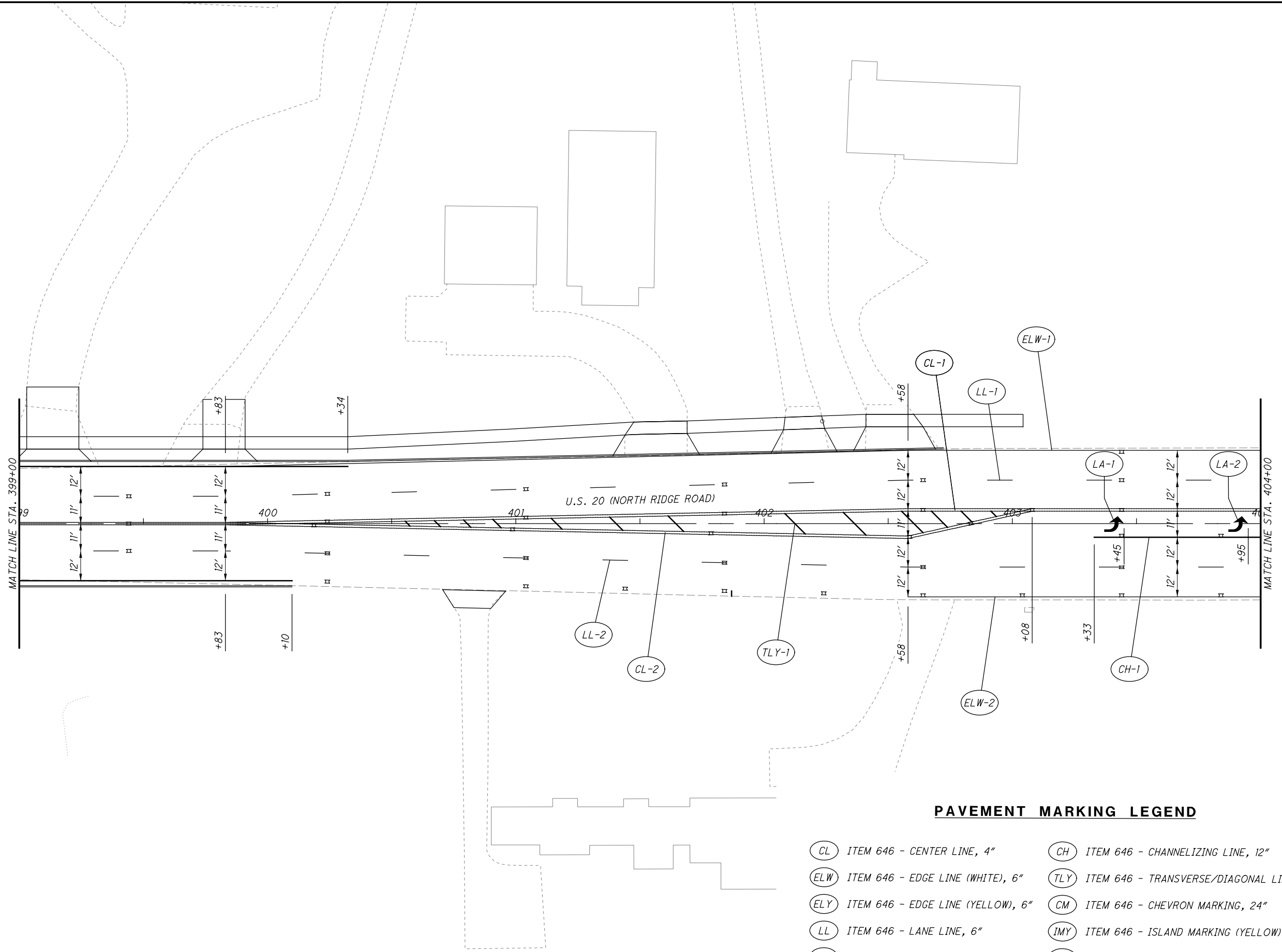
0 20 40  
10  
HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 394+00 TO STA. 399+00**

**LAK-US-20-19.59  
PART 1**

941  
1253





**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

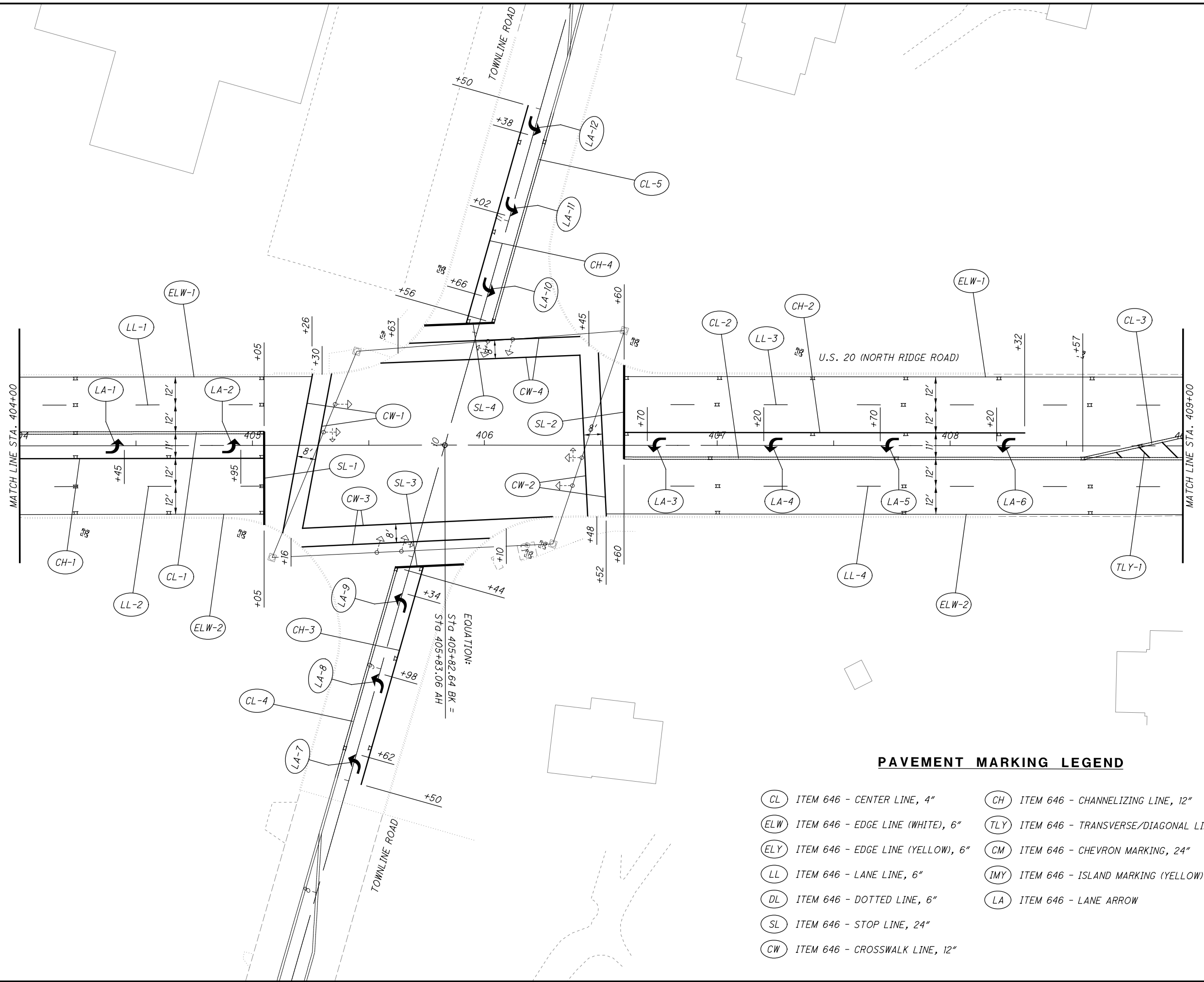


CALCULATED JDC  
CHECKED EJT

**PAVEMENT MARKING PLAN  
STA. 399+00 TO STA. 404+00**

**LAK-US-20-19.59  
PART 1**

942  
1253



EQUATION:  
 $STA. 405+82.64 BK =$   
 $STA. 405+83.06 AH$

**PAVEMENT MARKING LEGEND**

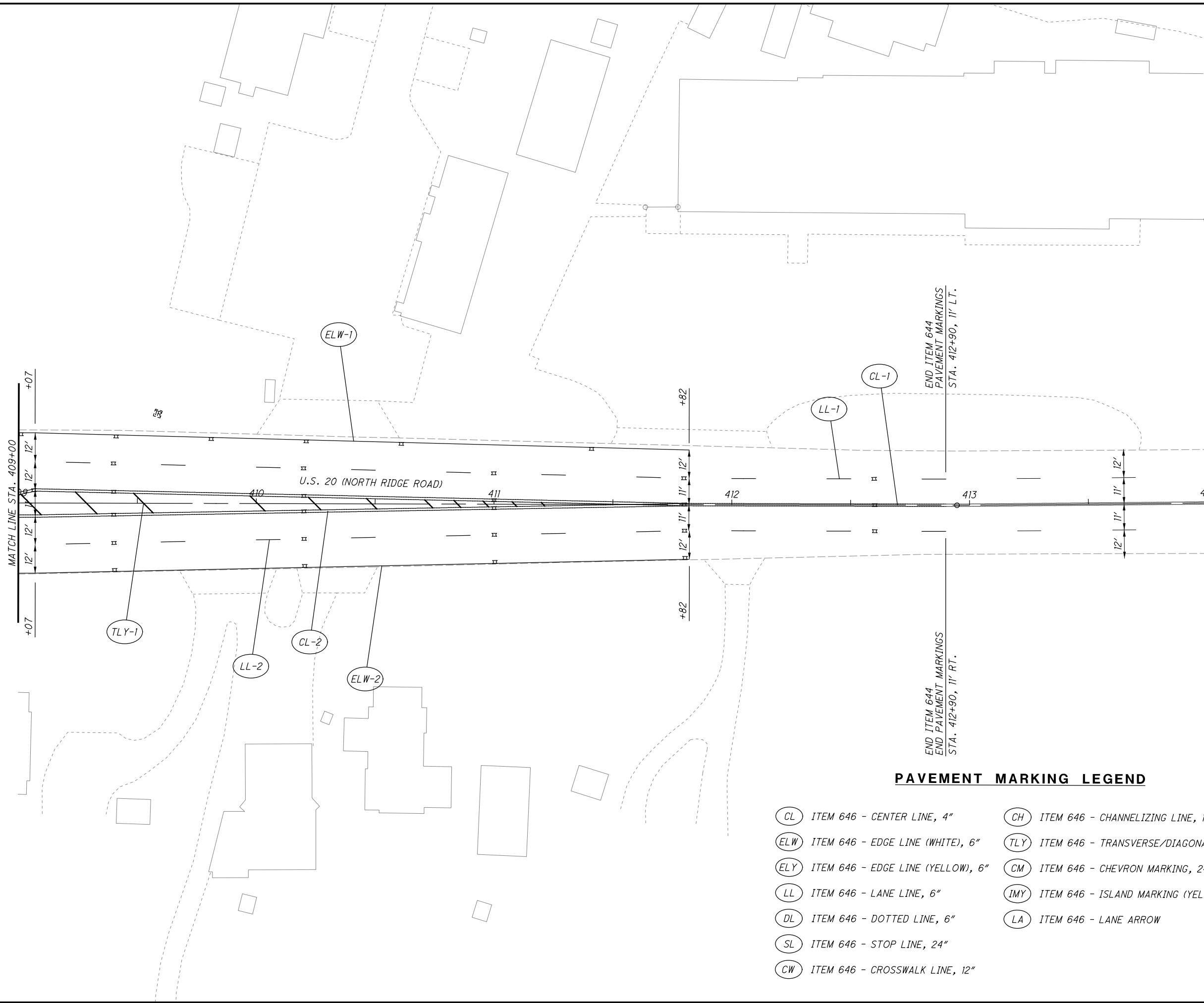
- |     |                                   |     |   |
|-----|-----------------------------------|-----|---|
| CL  | ITEM 646 - CENTER LINE, 4"        | CH  | ITEM 646 - CHANNELIZING LINE, 12"                 |
| ELW | ITEM 646 - EDGE LINE (WHITE), 6"  | TLY | ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| ELY | ITEM 646 - EDGE LINE (YELLOW), 6" | CM  | ITEM 646 - CHEVRON MARKING, 24"                   |
| LL  | ITEM 646 - LANE LINE, 6"          | IMY | ITEM 646 - ISLAND MARKING (YELLOW)                |
| DL  | ITEM 646 - DOTTED LINE, 6"        | LA  | ITEM 646 - LANE ARROW                             |
| SL  | ITEM 646 - STOP LINE, 24"         |     |   |
| CW  | ITEM 646 - CROSSWALK LINE, 12"    |     |   |

CALCULATED  
 JDC  
 CHECKED  
 EJT

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

**PAVEMENT MARKING PLAN**  
**STA. 404+00 TO STA. 409+00**

**LAK-US-20-19.59**  
**PART 1**



**PAVEMENT MARKING LEGEND**

- |   |   |
|---|---|
| (CL) ITEM 646 - CENTER LINE, 4"         | (CH) ITEM 646 - CHANNELIZING LINE, 12"                  |
| (ELW) ITEM 646 - EDGE LINE (WHITE), 6"  | (TLY) ITEM 646 - TRANSVERSE/DIAGONAL LINE (YELLOW), 24" |
| (ELY) ITEM 646 - EDGE LINE (YELLOW), 6" | (CM) ITEM 646 - CHEVRON MARKING, 24"                    |
| (LL) ITEM 646 - LANE LINE, 6"           | (IMY) ITEM 646 - ISLAND MARKING (YELLOW)                |
| (DL) ITEM 646 - DOTTED LINE, 6"         | (LA) ITEM 646 - LANE ARROW                              |
| (SL) ITEM 646 - STOP LINE, 24"          |   |
| (CW) ITEM 646 - CROSSWALK LINE, 12"     |   |

CALCULATED  
JDC  
CHECKED  
EJT

0 10 20 40  
HORIZONTAL  
SCALE IN FEET

**PAVEMENT MARKING PLAN  
STA. 409+00 TO STA. 414+00**

REF NO.	SHEET NO.	STATION TO STATION	SIDE	SIGN CODE	SIGN SIZE	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630					
						GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST		SIGN POST REFLECTOR		SIGN, FLAT SHEET		REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION		REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL							
						FT	FT		EACH		SF		EACH	EACH		EACH		EACH							
1E	955	80+63, 29' RT	RT	R2-1-30	30" X 36"								1												
2E	955	83+06, 37' LT	LT	R2-1-30	30" X 36"								1												
1P	955	80+75, 29' RT	RT	R2-1-30	30" X 36"			13.5																	
2P	955	83+95, 25' LT	LT	R2-1-30	30" X 36"			13.5																	
3P	955	84+90, 25' RT	RT	W9-1R-36	36" X 36"			13.5			1														
3E	956	85+86, 25' RT	RT	W9-1R-36	36" X 36"																				
4E	956	88+46, 24' RT	RT	W4-2R-36	36" X 36"																				
4P	956	88+40, 25' RT	RT	W4-2R-36	36" X 36"			13.5			1														
5E	957	93+65, 31' RT	RT	R1-1-30	30" X 30"																				
5P	957	93+67, 33' RT	RT	R1-1-36	36" X 36"			13.5																	
6E	958	97+36, 37' LT	LT	R2-1-30	30" X 36"								1												
7E	958	97+74, 36' RT	RT	R2-1-30	30" X 36"								1												
8E	958	97+76, 32' LT	LT	OM-H3L-12	12" X 36"								1												
9E	958	98+59, 32' RT	RT	OM-H3R-12	12" X 36"								1												
6P	958	97+45, 35' LT	LT	R2-1-30	30" X 36"			13.5																	
7P	958	97+65, 35' RT	RT	R2-1-30	30" X 36"			13.5																	
8P	958	97+76, 32' LT	LT	OM-3L-12	12" X 36"			13.5																	
9P	958	98+59, 32' RT	RT	OM-3R-12	12" X 36"			13.5																	
10E	959	101+75, 32' RT	RT	OM-H3L-12	12" X 36"								1												
11E	959	103+99, 31' RT	RT	W6-1-36	36" X 36"								1												
12E	959	100+88, 32' LT	LT	OM-H3R-12	12" X 36"								1												
13E	959	102+49, 34' LT	LT	M3-4-24	12" X 24"								1												
13E	959	102+49, 34' LT	LT	M1-4-24-2	24" X 24"								1												
14E	959	886+77, 29' LT	LT	R5-H10e-30	30" X 30"								1												
10P	959	101+75, 32' RT	RT	OM-3L-12	12" X 36"			13.5																	
11P	959	103+50, 28' RT	RT	W6-1-36	36" X 36"						1														
12P	959	100+88, 32' RT	RT	OM-3R-12	12" X 36"			13.5																	
13P	959	102+40, 34' LT	LT	M3-4-24	12" X 24"																				
13P	959	102+40, 34' LT	LT	M1-4-24-2	24" X 24"																				
14P	959	886+60, 27' LT	LT	R5-H10e-30	30" X 30"																				
15E	960	107+05, 32' RT	RT	W4-3R-48	48" X 48"																				
17E	960	109+56, C/L	C/L	R4-7-24	24" X 30"																				
18E	960	892+04, 32' RT	RT	R2-H5D-24	24" X 30"																				
15P	960	106+50, 28' RT	RT	W4-3R-36	36" X 36"																				
17P	960	109+60, C/L	C/L	R4-7C-18	18" X 30"																				
17P	960	109+60, C/L	C/L	OM1-1-18	18" X 18"																				
18P	960	891+38, 30' RT	RT	W3-5-36	36" X 36"																				
19E	961	113+35, 45' LT	LT	R2-1-30	30" X 36"																				
20E	961	113+36, 49' RT	RT	R2-1-30	30" X 36"																				
19P	961	110+60, 41' LT	LT	R3-H8BG-30	30" X 30"																				
20P	961	111+75, 54' RT	RT	R2-1-30	30" X 36"																				
21P	961	114+60, 45' LT	LT	R3-H8BG-30	30" X 30"																				
22P	961	115+25, 44' RT	RT	W2-2L-36	36" X 36"																				
22P	961	115+25, 44' RT	RT	W16-H8P-36	36" X 16"																				
SUBTOTAL								54.00																	
SUBTOTALS CARRIED TO SUBSUMMARY SHEET 954								54																	
								248.46																	
								7																	
								147																	
								18																	
								17																	
								2																	

<p style="margin: 0;"><b>SIGNING SUBSUMMARY</b></p>	<p style="margin: 0;"><b>LAK-US-20-19.59</b></p> <p style="margin: 0;"><b>PART 1</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">CALCULATED</td> <td style="padding: 2px;">ARK</td> <td style="padding: 2px;">CHECKED</td> <td style="padding: 2px;">EJT</td> </tr> </table>	CALCULATED	ARK	CHECKED	EJT
CALCULATED	ARK	CHECKED	EJT			

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REF NO.	SHEET NO.	STATION TO STATION		SIDE	SIGN CODE	SIGN SIZE	630	630		630	630	630	630	630	630	630	630	630								
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT		SIGN POST REFLECTOR EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	SIGN, FLAT SHEET SF		REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION EACH		REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH		REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND REERECTION EACH						
21E	962	115+62, 47' RT		RT	W2-2L-36	36" X 36"								1			1									
21E	962	115+62, 47' RT		RT	W16-H8P-24	24" X 16"								1												
22E	962	117+18, 49' RT		RT	I-SPECIAL-24	24" X 24"		12.5							1											
22E	962	117+18, 49' RT		RT	M6-3-21	21" X 15"									1											
23E	962	117+18, 49' RT		RT	M3-2-24	12" X 24"								1												
23E	962	117+18, 49' RT		RT	M1-4-24-2	24" X 24"								1												
25E	962	118+45		RT	R4-7-24	24" X 30"								1												
26E	962	119+26, 42' LT		LT	R5-1A-30	30" X 18"								1												
26E	962	119+26, 42' LT		LT	D3-1-48	48" X 9"								1												
27E	962	120+20, 25' RT		RT	OM-H3R-12	12" X 36"								1												
28E	962	102+28, 21' RT		RT	R6-2R-24	24" X 30"								1												
24P	962	118+60, 41' LT		LT	R2-1-30	30" X 36"		13.5			7.5															
25P	962	118+90, C/L		C/L	R4-7C-18	18" X 30"		14.58			3.75															
25P	962	118+90, C/L		C/L	OM1-1-18	18" X 18"					2.25															
26P	962	119+15, 46' LT		LT	D3-1-74	74" X 18"		12, 12			9.25															
26P	962	119+15, 46' LT		LT	D3-1-74	72" X 18"					9.25															
27P	962	102+52, 22' RT		RT	R6-2R-24	24" X 30"					5															
28P	962	102+96, 22' LT		LT	R3-2-24	24" X 24"	12.5				4															
29E	963	121+88, 35' LT		LT	W3-5-36	36" X 36"																				
29P	963	121+25, 29' RT		RT	M3-2-24	12" X 24"		14.5			2															
29P	963	121+25, 29' RT		RT	M1-4-24-2	24" X 24"					4															
30P	963	122+10, 30' LT		LT	W3-5-36	36" X 36"		13.5			9															
31P	963	136+80, 30' LT		LT	W2-2R-36	36" X 36"		15, 15		2	9															
31P	963	136+80, 30' LT		LT	W16-H8P-36	36" X 16"					4															
201P	963	121+51, 25' RT		RT	SPECIAL	12"X12"					1															
30E	964	140+35, 29' LT		LT	W6-1-36	36" X 36"																				
31E	964	141+50, 25' RT		RT	W2-2R-48	48" X 48"							1													
31E	964	141+50, 25' RT		RT	W16-H8P-36	36" X 8"							1													
32P	964	138+80, 30' LT		LT	W6-1-36	36" X 36"		13.5			9															
33P	964	140+40, 30' RT		RT	W2-2R-36	36" X 36"		14.2, 14.2		2	9															
33P	964	140+40, 30' RT		RT	W16-H8P-48	48" X 8"					2.67															
34P	964	142+31, 29' LT		LT	D10-H8-12	12" X 12"		11.5			1															
35P	964	142+31, 29' RT		RT	D10-H8-12	12" X 12"	11.5				1															
32E	965	143+98, 29' LT		LT	D10-H8-12	12" X 12"																				
33E	965	144+41, 28' RT		RT	D3-1-48	48" X 9"																				
33E	965	144+41, 28' RT		RT	D3-1-30	30" X 9"																				
34E	965	144+41, 28' RT		RT	D10-H8-12	12" X 12"																				
35E	965	144+47, 38' RT		RT	SPECIAL-30	30" DIA								1												
36E	965	144+96, 31' LT		LT	W1-7-48	48" X 24"								1												
37E	965	0+95, 20' RT		RT	R1-1-30	30" X 30"								1												
38E	965	0+95, 25' LT		LT	R1-1-30	30" X 30"								1												
39E	965	1+30, 20' RT		RT	R1-2-30	30" X 30"								1												
39E	965	1+30, 20' RT		RT	W6-3-30	30" X 30"								1												
40E	965	1+34, 11' LT		LT	I-H12-24	24" X 6"		12.5								1										
40E	965	1+34, 11' LT		LT	I-8-24	24" X 24"										1										
40E	965	1+34, 11' LT		LT	I-H12-24	24" X 6"										1										
40E	965	1+34, 11' LT		LT	I-8-24	24" X 24"										1										
41E	965	1+59, 8' RT		RT	R5-1-30	30" X 30"								1												
42E	965	1+62, 118' RT		RT	R5-1-30	30" X 30"								1												
202P	965	145+38, 30' RT		RT	SPECIAL	12"X12"					1															
SUBTOTAL							35.50	189.98																		
SUBTOTALS CARRIED TO SUBSUMMARY SHEET 954							36	190		4	2	92		19	6		17		6	2						

<b>SIGNING SUBSUMMARY</b>	<b>LAK-US-20-19.59</b> <b>PART 1</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">CALCULATED</td> <td style="text-align: center;">ARK</td> </tr> <tr> <td style="text-align: center;">CHECKED</td> <td style="text-align: center;">EJT</td> </tr> </table>	CALCULATED	ARK	CHECKED	EJT
CALCULATED	ARK					
CHECKED	EJT					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">946</td> </tr> <tr> <td style="text-align: center;">1253</td> </tr> </table>		946	1253			
946						
1253						





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REF NO.	SHEET NO.	STATION TO STATION		SIDE	SIGN CODE	SIGN SIZE	630	630		630	630	630	630	630	630	630	630	630	630	630				
							GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT		SIGN POST REFLECTOR EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	SIGN, FLAT SHEET SF		REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION, AS PER PLAN EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH		REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND REERECTION EACH				
73E	981	223+77, 24' RT			RT	R2-1-30	30" X 36"									1								
74E	981	225+41, 31' LT			LT	W2-2L-36	36" X 36"									1								
74E	981	225+41, 31' LT			LT	W16-H8P-30	30" X 8"												1					
75E		NOT USED																						
76E	981	227+19, 27' LT			LT	W2-2L-48	48" X 48"									1			2					
76E	981	227+19, 27' LT			LT	W16-H8P-36	36" X 8"									1								
77E	981	227+20, 25' RT			RT	W2-2L-48	48" X 48"									1			1					
77E	981	227+20, 25' RT			RT	W16-H8P-36	36" X 8"									1								
78E	981	227+23, 30' LT			LT	M3-2-24	24" X 12"									1								
78E	981	227+23, 30' LT			LT	M1-4-24-2	24" X 24"															1		
79E		NOT USED																						
80E	981	228+20, 29' RT			RT	M1-4-24-2	24" X 24"															1		
80E	981	228+20, 29' RT			RT	M3-2-24	24" X 12"															1		
80P	981	224+10, 30' LT			LT	W2-2L-36	36" X 36"	14.25		1			9											
80P	981	224+10, 30' LT			LT	W16-H8P-36	36" X 8"						2											
81P	981	224+60, 30' RT			RT	W2-2L-36	36" X 36"	14.25		1			9											
81P	981	224+60, 30' RT			RT	W16-H8P-48	48" X 8"						2.67											
82P	981	226+60, 29' LT			LT	M3-4-24	12" X 24"	14.58					2											
82P	981	226+60, 29' LT			LT	M1-4-24-2	24" X 24"						4											
83P	981	227+10, 29' RT			RT	M3-2-24	12" X 24"	14.58					2											
83P	981	227+10, 29' RT			RT	M1-4-24-2	24" X 24"						4											
81E	982	229+09, 31' LT			LT	D3-1-48	48" X 9"															1		
82E	982	229+12, 29' RT			RT	W1-7-48	48" X 24"							1				2						
83E	982	231+84, 27' LT			LT	W2-2R-48	48" X 48"							1				2						
83E	982	231+84, 27' LT			LT	W16-H8P-36	36" X 8"							1										
84E	982	231+90, 30' RT			RT	W2-2R-48	48" X 48"							1				2						
84E	982	231+90, 30' RT			RT	W16-H8P-36	36" X 8"							1										
85E	982	10+33, 13' LT			LT	R1-1-30	30" X 30"							1				1						
86E	982	10+57, 30' RT			RT	R1-1-30	30" X 30"							1				1						
87E		NOT USED																						
88E	982	230+28, 40' LT			LT	SPECIAL-30	30"X36"															1		
84P	982	229+05, 29' RT			RT	W1-7-48	48" X 24"	12.5, 12.5		1			8											
85P	982	229+93, 38' LT			LT	D3-1-66	66" X 18"	12, 12					8.25											
85P	982	229+93, 38' LT			LT	D3-1-66	66" X 18"						8.25											
86P	982	10+45, 18' LT			LT	R1-1-36	36" X 36"	13.5					9											
205P	982	229+36, 29' RT			RT	SPECIAL	12"X12"				1											1		
87P	983	235+00, 30' LT			LT	W2-2R-36	36" X 36"	14.25		1			9											
87P	983	234+60, 30' LT			LT	W16-H8P-48	48" X 8"						2.67											
89E	985	247+80, 29' LT			LT	R2-1-30	30" X 36"															1		
88P	985	248+16, 29' LT			LT	D10-H8-12	12" X 12"	11.5					1											
89P	985	248+16, 29' RT			RT	D10-H8-12	12" X 12"	11.5					1											
90E	986	248+51, 30' RT			RT	R2-1-30	30" X 36"															1		
91E	986	249+83, 30' RT			RT	D10-H8-12	12" X 12"															1		
92E	986	249+87, 29' LT			LT	D10-H8-12	12" X 12"															1		
90P	986	249+75, 29' RT			RT	R2-1-30	30" X 36"	13.5					7.5											
91P	986	250+00, 29' LT			LT	R2-1-30	30" X 36"	13.5					7.5											

SUBTOTAL  
SUBTOTALS CARRIED TO SUBSUMMARY SHEET 954

23.00	161.41																							
23	162							4				97				14				1		12		

**SIGNING SUBSUMMARY**

**LAK-US-20-19.59  
PART 1**

CALCULATED  
ARK  
CHECKED  
EJT

949  
1253





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REF NO.	SHEET NO.	STATION TO STATION	SIDE	SIGN CODE	SIGN SIZE	630	630	630	630	630	630	630	630	630	630	630	630	630	630
						GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT		SIGN POST REFLECTOR EACH	SIGN, FLAT SHEET SF		REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION EACH		REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH		REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH		
112P	997	305+50, 30' RT	RT	W2-2L-36	36" X 36"		14.25		1	9									
112P	997	305+50, 30' RT	RT	W16-H8P-36	36" X 8"					2									
116E	998	309+67, 38' LT	LT	D3-1-36	36" X 9"													1	
116E	998	309+67, 38' LT	LT	D3-1-36	36" X 18"													1	
117E		NOT USED																	
118E	998	311+32, 29' LT	LT	R5-2-30	30" X 30"													1	
118E	998	311+32, 29' LT	LT	R5-10C-30	30" X 15"													1	
119E	998	312+09, 28' RT	RT	I-SPECIAL-24	24" X 24"		12.5							1					
119E	998	312+09, 28' RT	RT	M6-3-21	21" X 15"									1					
120E		NOT USED																	
121E	998	313+20, 27' RT	RT	I-3-30	30" X 18"		13							1					
121E	998	313+20, 27' RT	RT	I-SPECIAL-24	30" X 18"									1					
122E	998	10+57, 20' LT	LT	R1-1-30	30" X 30"							1					1		
123E	998	10+73, 37' RT	RT	R1-1-30	30" X 30"							1					1		
124E	998	10+93, 23' LT	LT	W11-2-30	30" X 30"							1					1		
124E	998	10+93, 23' LT	LT	W16-7PL-24	24" X 12"							1					1		
125E	998	10+88, 20' RT	RT	W11-2-30	30" X 30"							1					1		
125E	998	10+88, 20' RT	RT	W16-7PL-24	24" X 12"							1					1		
125E	998	10+88, 20' RT	RT	SPECIAL-12	12" X 18"							1					1		
126E	998	11+02, 17' RT	RT	R12-1-24	24" X 30"												1		
126E	998	11+02, 17' RT	RT	R5-2-24	24" X 24"												1		
126E	998	11+02, 17' RT	RT	R2-1-24	24" X 30"												1		
113P	998	309+58, 40' LT	LT	D3-1-50	50" X 18"		12, 12			6.25									
113P	998	309+58, 40' LT	LT	D3-1-50	50" X 18"					6.25									
114P	998	10+83, 20' LT	LT	W11-2-30	30" X 30"		14.08			6.25									
114P	998	10+83, 20' LT	LT	W16-7PL-24	24" X 12"					2									
115P	998	10+86, 32' RT	RT	D3-1-46	46" X 33"		13.25, 13.25			10.55									
115P	998	10+86, 32' RT	RT	D3-1-46	46" X 33"					10.55									
116P	998	10+91, 22' RT	RT	W11-2-30	30" X 30"		14.08			6.25									
116P	998	10+91, 22' RT	RT	W16-7PL-24	24" X 12"					2									
117P	998	11+00, 22' LT	LT	R1-1-36	36" X 36"		13.5			9									
118P	998	11+00, 17' RT	RT	R12-1-24	24" X 30"		15.58, 15.58			5									
118P	998	11+00, 17' RT	RT	R5-2-30	30" X 30"					6.25									
119P	998	11+40, 17' RT	RT	R2-1-30	30" X 36"		13.5			7.5									
120P	998	10+39, 20' LT	LT	R1-1-30	30" X 30"		13			6.25									
127E	999	10+86, 32' RT	LT	R2-1-30	30" X 36"							1					1		
128E	999	318+10, 38' LT	LT	D3-1-36	36" X 18"							1					1		
129E	999	318+11, 25' RT	RT	R2-1-30	30" X 36"							1					1		
130E	999	11+14, 16' LT	LT	R1-1-30	30" X 30"							1					1		
121P	999	314+25, 30' RT	RT	W2-2L-36	36" X 36"		14.91, 14.91		1	9									
121P	999	314+25, 30' RT	RT	W16-H8P-36	36" X 16"				1	4									
122P	999	314+45, 30' LT	LT	W2-2R-36	36" X 36"		14.25		1	9									
122P	999	314+45, 30' LT	LT	W16-H8P-36	36" X 8"					2									
123P	999	318+00, 38' LT	LT	D3-1-46	46" X 33"		13.25, 13.25			10.55									
123P	999	318+00, 38' LT	LT	D3-1-46	46" X 33"					10.55									
124P	999	11+10, 16' LT	LT	R1-1-36	36" X 36"		13.5		1	9									
125P	1000	319+00, 29' RT	RT	R2-1-30	30" X 36"		13.5			7.5									
126P	1000	319+50, 36' LT	LT	R2-1-30	30" X 36"		13.5			7.5									
127P	1000	323+25, 37' LT	LT	W2-2R-36	36" X 36"		14.91, 14.91		1	9									
127P	1000	323+25, 37' LT	LT	W16-H8P-36	36" X 16"				1	4									
SUBTOTAL							330.46												
SUBTOTALS CARRIED TO SUBSUMMARY SHEET 954							331		7		177		11		4		8		7

CALCULATED  
ARK  
CHECKED  
EJT

**SIGNING SUBSUMMARY**

**LAK-US-20-19.59  
PART 1**

951  
1253

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REF NO.	SHEET NO.	STATION TO STATION			SIDE	SIGN CODE	SIGN SIZE	630	630	630	630	630	630	630	630	630	630	630	630	CALCULATED	ARK	CHECKED	EJT	
								GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT		SIGN POST REFLECTOR EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	SIGN, FLAT SHEET SF	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND REERECTION EACH						
131E	1001	327+57, 26'	RT	D3-2-48	48" X 24"									1			1							
128P	1001	328+30, 30'	RT	W2-2R-36	36" X 36"			14.25			1			9										
128P	1001	328+30, 30'	RT	W16-H8P-36	36" X 8"								2											
132E	1002	330+48, 25'	RT	W2-2R-36	36" X 36"									1				1						
132E	1002	330+48, 25'	RT	W16-H8P-24	24" X 8"									1										
133E	1002	332+38, 39'	RT	D3-1-36	36" X 9"													1						
134E	1002	332+93, 36'	LT	W1-7-48	48" X 24"									1				2						
135E	1002	9+66, 23'	RT	R1-1-30	30" X 30"									1				1						
129P	1002	332+98, 36'	LT	W1-7-48	48" X 24"		12.5, 12.5			2			8											
130P	1002	336+06, 38'	RT	D3-1-40	40" X 18"			12.12					5											
130P	1002	336+06, 38'	RT	D3-1-40	40" X 18"								5											
131P	1002	9+58, 22'	RT	R1-1-36	36" X 36"			13.5		1			9											
206P	1002	332+09, 40'	LT	SPECIAL	12"X12"						1										1			
207P	1002	332+38, 39'	RT	SPECIAL	12"X12"						1										1			
136E	1003	334+74, 26'	LT	W2-2L-36	36" X 36"									1				1						
136E	1003	334+74, 26'	LT	W16-H8P-24	24" X 8"									1										
137E	1003	337+99, 25'	LT	D3-2-48	48" X 24"									1				2						
132P	1003	337+30, 30'	LT	W2-2L-36	36" X 36"			14.25		1			9											
132P	1003	337+30, 30'	LT	W16-H8P-24	36" X 8"								2											
138E	1004	340+48, 36'	RT	R2-1-30	30" X 36"													1						
139E	1004	340+97, 39'	LT	R2-1-30	30" X 36"													1						
133P	1004	342+05, 29'	RT	R2-1-30	30" X 36"			13.5					7.5											
134P	1004	342+30, 36'	LT	R2-1-30	30" X 36"			13.5					7.5											
140E	1005	348+98, 27'	RT	D7-SPECIAL-72	72" X 18"			13.5, 13.5									1							
140E	1005	348+98, 27'	RT	D7-SPECIAL-72	72" X 18"												1							
141E	1006	352+81, 26'	RT	W2-2L-36	36" X 36"									1				2						
141E	1006	352+81, 26'	RT	W16-H8P-48	36" X 8"									1										
141E	1006	352+81, 26'	RT	D10-H8-12	12" X 12"									1										
142E	1006	352+76, 25'	LT	D10-H8-12	12" X 12"									1				1						
136P	1006	353+40, 30'	RT	W2-2L-36	36" X 36"			14.25, 14.25		2			9											
136P	1006	353+40, 30'	RT	W16-H8P-48	48" X 8"								2.67											
144E	1007	357+51, 39'	LT	D3-1-36	36" X 9"									1				1						
145E	1007	10+40, 24'	LT	R1-1-30	30" X30"																			
137P	1007	354+08, 28'	LT	D10-H8-12	12" X 12"		11.5						1											
138P	1007	354+08, 29'	RT	D10-H8-12	12" X 12"		11.5						1											
139P	1007	357+50, 46'	LT	D3-1-52	52" X 18"			12, 12					6.5											
139P	1007	357+50, 46'	LT	D3-1-52	52" X 18"								6.5											
140P	1007	357+56, 29'	RT	W1-7-48	48" X 24"		12.5, 12.5			2			8											
141P	1007	10+47, 23'	LT	R1-1-36	36" X 36"			13.5		1			9											
142P	1007	11+90, 22'	LT	R3-H8BD-30	30" X 30"			13					6.25											
146E	1008	362+49, 25'	LT	W2-2R-36	36" X 36"									1				1						
146E	1008	362+49, 25'	LT	W16-H8P-36	36" X 8"									1										
143P	1008	362+40, 37'	LT	W2-2R-36	36" X 36"			14.25, 14.25		2			9											
143P	1008	362+40, 37'	LT	W16-H8P-48	48" X 8"								2.67											
208P	1008	359+73, 25'	LT	SPECIAL	12"X12"		12.0														1			
209P	1008	361+87, 29'	RT	SPECIAL	12"X12"						1										1			
SUBTOTAL							73.00	227.50																
SUBTOTALS CARRIED TO SUBSUMMARY SHEET 954							73	228		12	3	126		15	2		13		4	4				

SIGNING SUBSUMMARY

LAK-US-20-19.59 PART 1

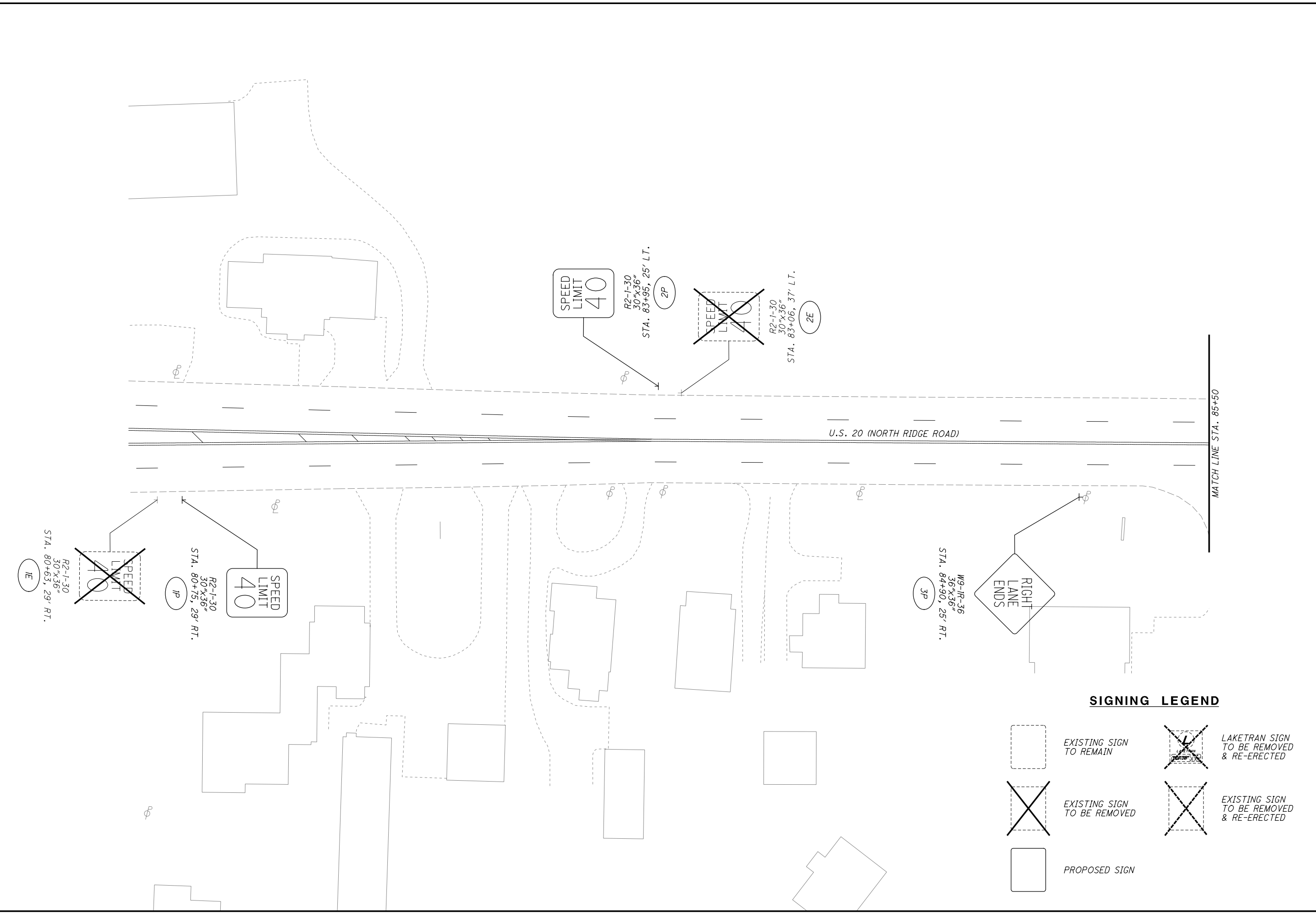
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REF NO.	SHEET NO.	STATION TO STATION			SIDE	SIGN CODE	SIGN SIZE	630	630	630	630	630	630	630	630	630	630	630	630	630	630				
								GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT		SIGN POST REFLECTOR EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	SIGN, FLAT SHEET SF	SIGN, DOUBLE FACED, STREET NAME EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTON EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH							
147E	1009	364+87, 26' LT			LT	R2-1-30	30" X 36"							1					1						
148E	1009	364+92, 25' RT			RT	R2-1-30	30" X 36"							1					1						
144P	1009	364+75, 37' LT			LT	R2-1-30	30" X 36"		13.5			7.5													
145P	1009	365+00, 29' RT			RT	R2-1-30	30" X 36"		13.5			7.5													
149E	1010	370+57, 37' LT			LT	D7-SPECIAL-72	72" X 18"		13.5, 13.5									1							
149E	1010	370+57, 37' LT			LT	D7-SPECIAL-72	72" X 18"											1							
150E	1013	387+57, 30' RT			RT	R2-1-30	30" X 36"														1				
151E	1013	387+72, 24' LT			LT	R2-1-30	30" X 36"							1					1						
146P	1013	387+45, 37' LT			LT	R2-1-30	30" X 36"		13.5			7.5													
147P	1013	387+45, 29' RT			RT	R2-1-30	30" X 36"		13.5			7.5													
152E	1015	144+47, 38' RT			RT	SPECIAL-30	30" DIA														1				
153E	1015	398+68, 38' LT			LT	SPECIAL-36	36" X 48"		14.5									1							
148P	1015	395+58, 30' RT			RT	W3-3-36	36" X 36"		13.5			1			9										
154E	1016	399+14, 28' RT			RT	W3-3-36	36" X 36"												1						
155E	1016	401+23, 32' LT			LT	M3-4-24	24" X 12"												1						
155E	1016	401+23, 32' LT			LT	M1-4-24-2	24" X 24"												1						
156E	1016	402+39, 32' RT			RT	R3-H8CG-48	48" X 30"							1					1						
149P	1016	399+08, 31' RT			RT	D3-2-78	78" X 36"		13.5, 13.5			19.5							2						
150P	1016	400+80, 30' LT			LT	R2-1-30	30" X 36"		13.5			7.5													
151P	1016	402+40, 35' RT			RT	R3-H8CG-48	48" X 30"		13, 13			10													
152P	1016	403+80, 35' LT			LT	M3-4-24	12" X 24"		14.58			2													
152P	1016	403+80, 35' LT			LT	M1-4-24-2	24" X 24"					4													
157E	1017	404+91, 37' RT			RT	R3-H8CG-48	48" X 30"							1					2						
158E	1017	405+46, 40' LT			LT	D3-1-48	48" X 9"														1				
159E	1017	406+63, 40' LT			LT	R3-H8CG-48	48" X 30"							1					2						
160E	1017	407+43, 38' RT			RT	M3-2-24	24" X 12"							1					1						
160E	1017	407+43, 38' RT			RT	M1-4-24-2	24" X 24"							1											
161E	1017	408+63, 38' LT			LT	R2-1-30	30" X 36"							1					1						
161E	1017	408+63, 38' LT			LT	D10-H8-12	12" X 12"							1											
162E	1017	408+89, 37' LT			LT	R3-H8CG-48	48" X 30"							1					2						
153P	1017	404+90, 35' RT			RT	R3-H8CG-48	48" X 30"		13, 13			10													
154P	1017	405+46, 40' LT			LT	D3-1-56	56" X 18"							1											
155P	1017	406+30, 43' RT			RT	D3-1-56	56" X 18"							1											
156P	1017	406+75, 35' LT			LT	R3-H8CG-48	48" X 30"		13, 13			10													
157P	1017	406+89, 34' LT			LT	D10-H8-12	12" X 12"	11.5				1													
158P	1017	406+89, 38' RT			RT	D10-H8-12	12" X 12"	11.5				1													
159P	1017	407+85, 38' RT			RT	M3-2-24	12" X 24"		14.58			2													
159P	1017	407+85, 38' RT			RT	M1-4-24-2	24" X 24"					4													
160P	1017	9+43, 24' RT			RT	R3-H8BH-36	36" X 30"		13			7.5													
161P	1017	10+57, 24' LT			LT	R3-H8BH-36	36" X 30"		13			7.5													
163E	1017	9+49, 28' RT			RT	R3-H8BH-36	36" X 30"							1					1						
164E	1018	410+15, 39' RT			RT	R2-1-30	30" X 36"														1				
164E	1018	410+15, 39' RT			RT	D10-H8-12	12" X 12"							1											
162P	1018	409+07, 35' LT			LT	R3-H8CG-48	48" X 30"		13, 13			10													
163P	1018	410+85, 35' RT			RT	R2-1-30	30" X 36"		13.5			7.5													
SUBTOTAL								23.00	332.16																
SUBTOTALS CARRIED TO SUBSUMMARY SHEET 954								23	333																

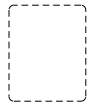

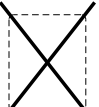
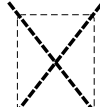
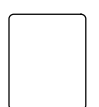
CALCULATED	ARK	CHECKED	EJT
<b>LAK-US-20-19.59</b>			
<b>PART 1</b>			
953			
1253			

REF NO.	SHEET NO.	STATION TO STATION	SIDE	SIGN CODE	SIGN SIZE	630	630	630	630	630	630	630	630	630	630	630	630	630	630	
						GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT		SIGN POST REFLECTOR EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED EACH	SIGN, FLAT SHEET SF	SIGN, DOUBLE FACED, STREET NAME EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION, AS PER PLAN EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH		REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF POLE MOUNTED SIGN AND REERECTION EACH	
SUBTOTALS CARRIED FROM SHEET 945						54	248		7		147		18			17			2	
SUBTOTALS CARRIED FROM SHEET 946						36	190		4	2	92		19	6		17			6	2
SUBTOTALS CARRIED FROM SHEET 947							443		7	2	191	2	16	2		20			2	
SUBTOTALS CARRIED FROM SHEET 948						23	374		9		189		11	5		8			4	1
SUBTOTALS CARRIED FROM SHEET 949						23	161		4		97		14		1	12			9	1
SUBTOTALS CARRIED FROM SHEET 950						23	322		3	2	165	2	23		25			3		
SUBTOTALS CARRIED FROM SHEET 951							330		7		177		11	4		8			7	
SUBTOTALS CARRIED FROM SHEET 952						73	228		12	3	126		15	2		13			4	4
SUBTOTALS CARRIED FROM SHEET 953						23	333		1	2	143	2	16	3		16			4	
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>						255	2630		54	11	1326	6	143	22	1	136			41	8

<b>SIGNING SUBSUMMARY</b>	CALCULATED
	ARK CHECKED EJT
<b>LAK-US-20-19.59 PART 1</b>	954 1253



**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		

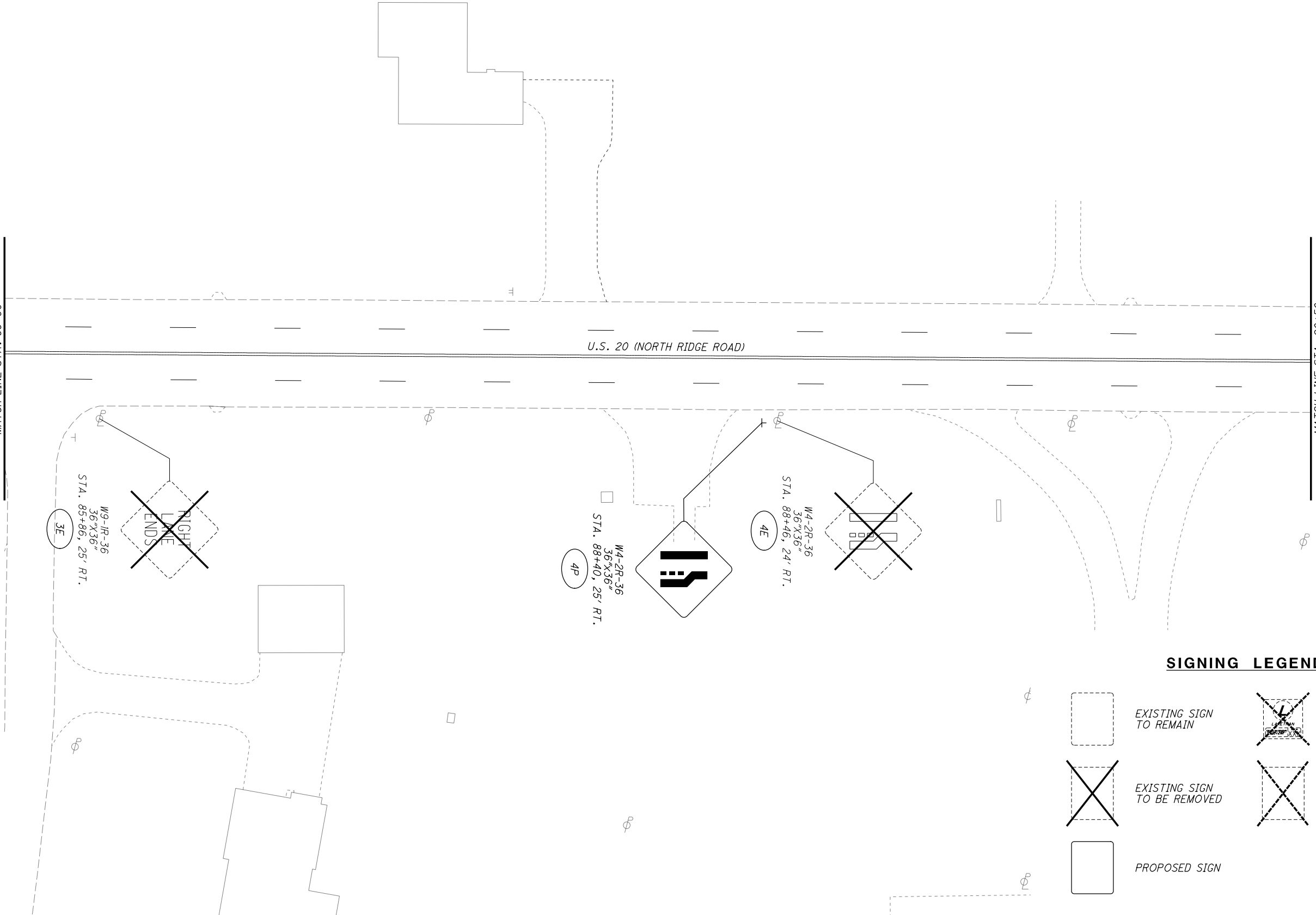
CALCULATED JDC  
CHECKED EJT




HORIZONTAL SCALE IN FEET

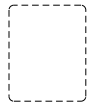

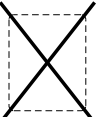
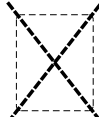
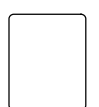
**SIGNING PLAN**  
**STA. 80+50 TO STA. 85+50**

MATCH LINE STA. 85+50



MATCH LINE STA. 90+50

**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		

CALCULATED JDC CHECKED EJT




HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 90+50 TO STA. 95+50**

**LAK-US-20-19.59**  
**PART 1**

956  
1253

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MATCH LINE STA. 90+50

U.S. 20 (NORTH RIDGE ROAD)

MATCH LINE STA. 95+50

~~STOP~~  
R1-1-30  
30"X30"  
STA. 93+65, 31' RT.  
5E

5E

STOP

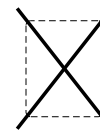
R1-1-36  
36"X36"  
STA. 93+67, 33' RT.  
5P

5P

**SIGNING LEGEND**



EXISTING SIGN TO REMAIN



EXISTING SIGN TO BE REMOVED



PROPOSED SIGN



LAKETRAN SIGN TO BE REMOVED & RE-ERECTED



EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC CHECKED EJT

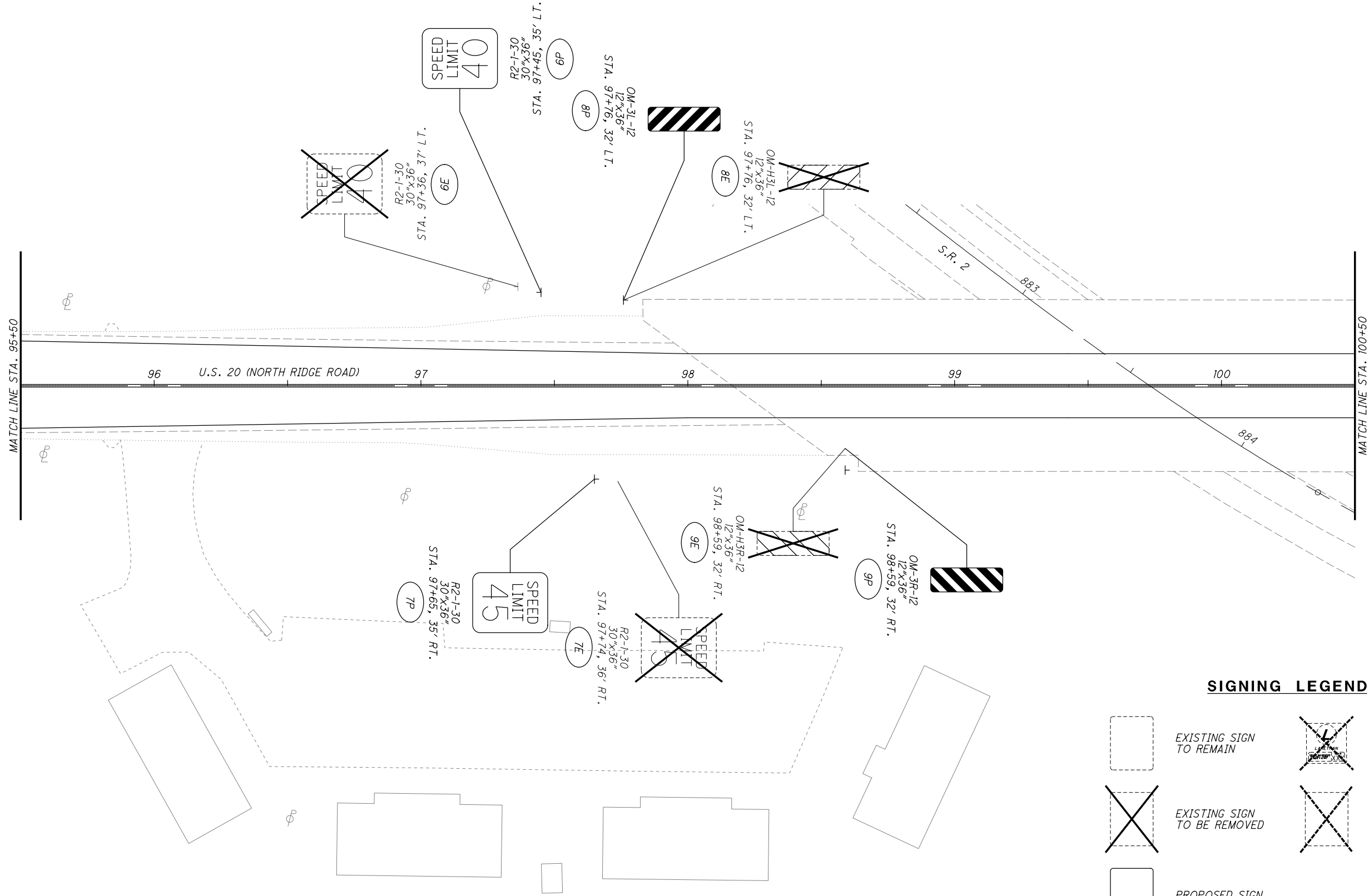
HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 90+50 TO STA. 95+50**

**LAK-US-20-19.59**  
**PART 1**

957  
1253





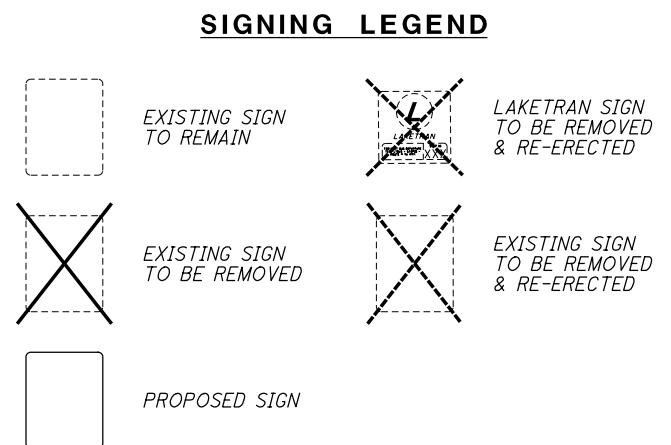
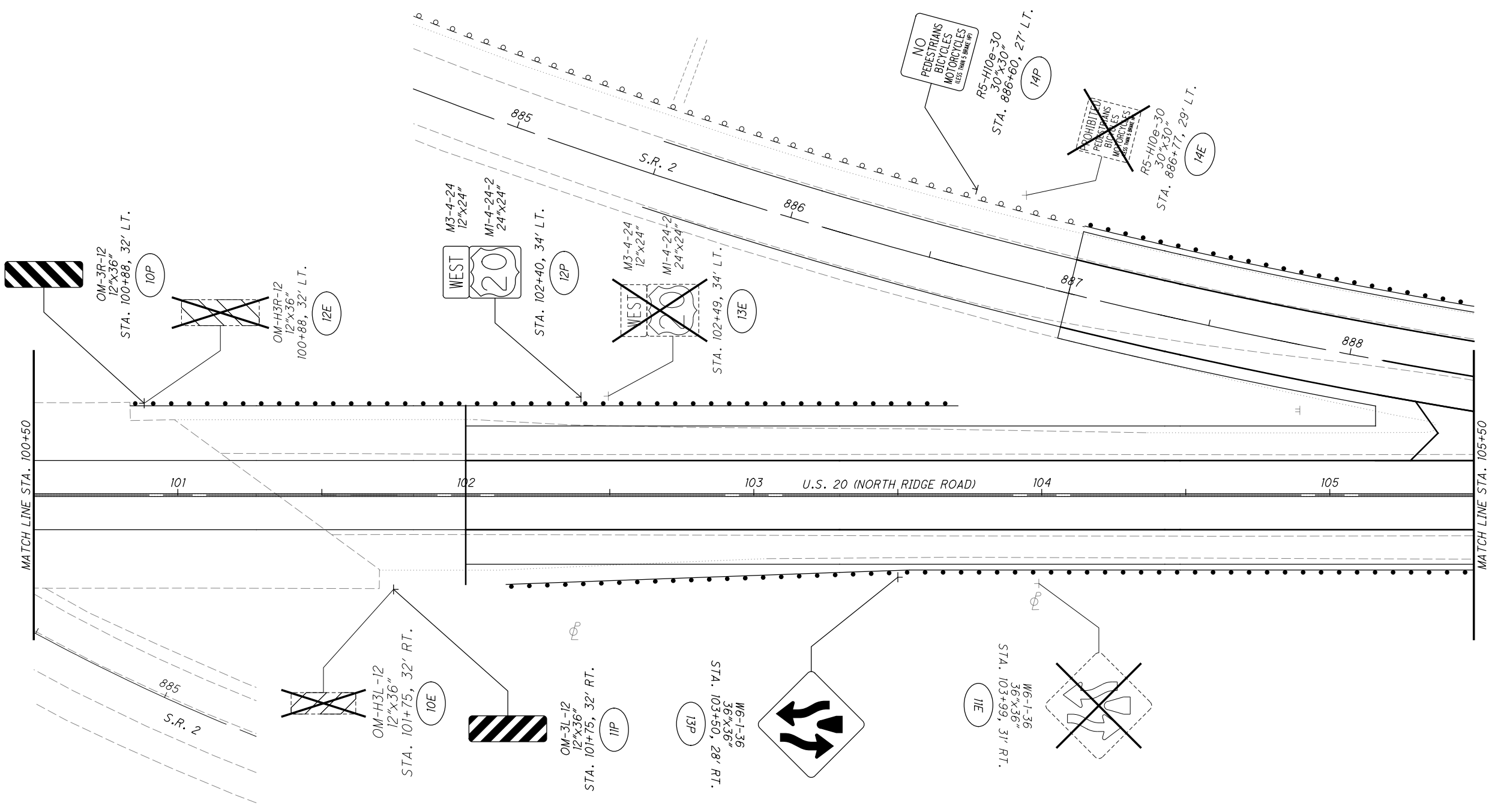
**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		

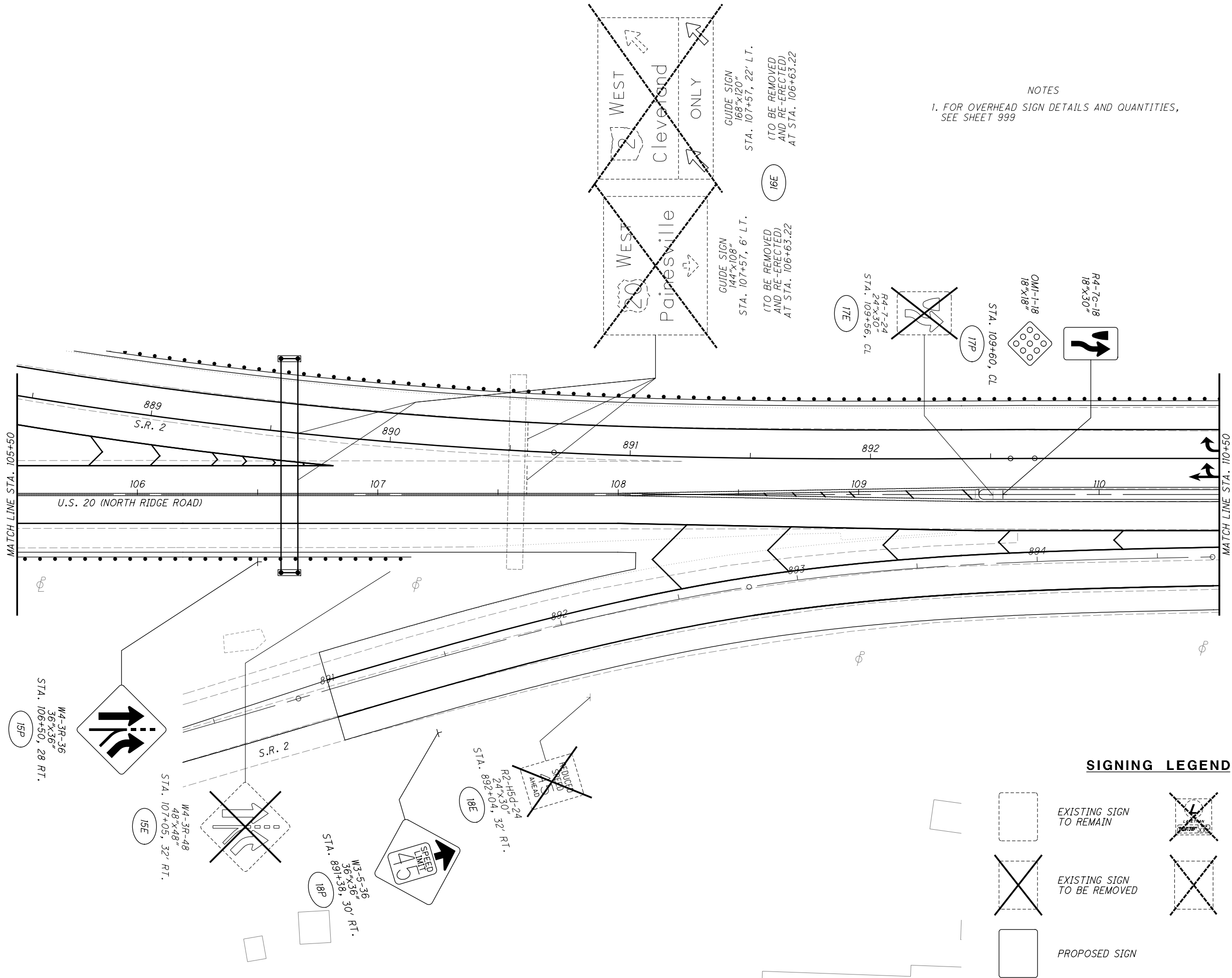
CALCULATED: JDC  
CHECKED: EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

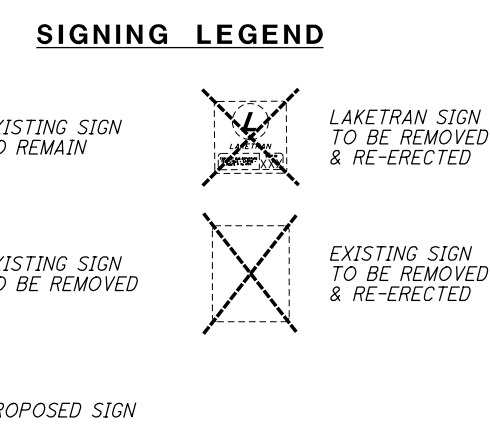
**SIGNING PLAN**  
**STA. 95+50 TO STA. 100+50**



CALCULATED: JDC  
 CHECKED: EJT  
**SIGNING PLAN**  
**STA. 100+50 TO STA. 105+50**






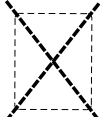

NOTES  
 1. FOR OVERHEAD SIGN DETAILS AND QUANTITIES, SEE SHEET 999

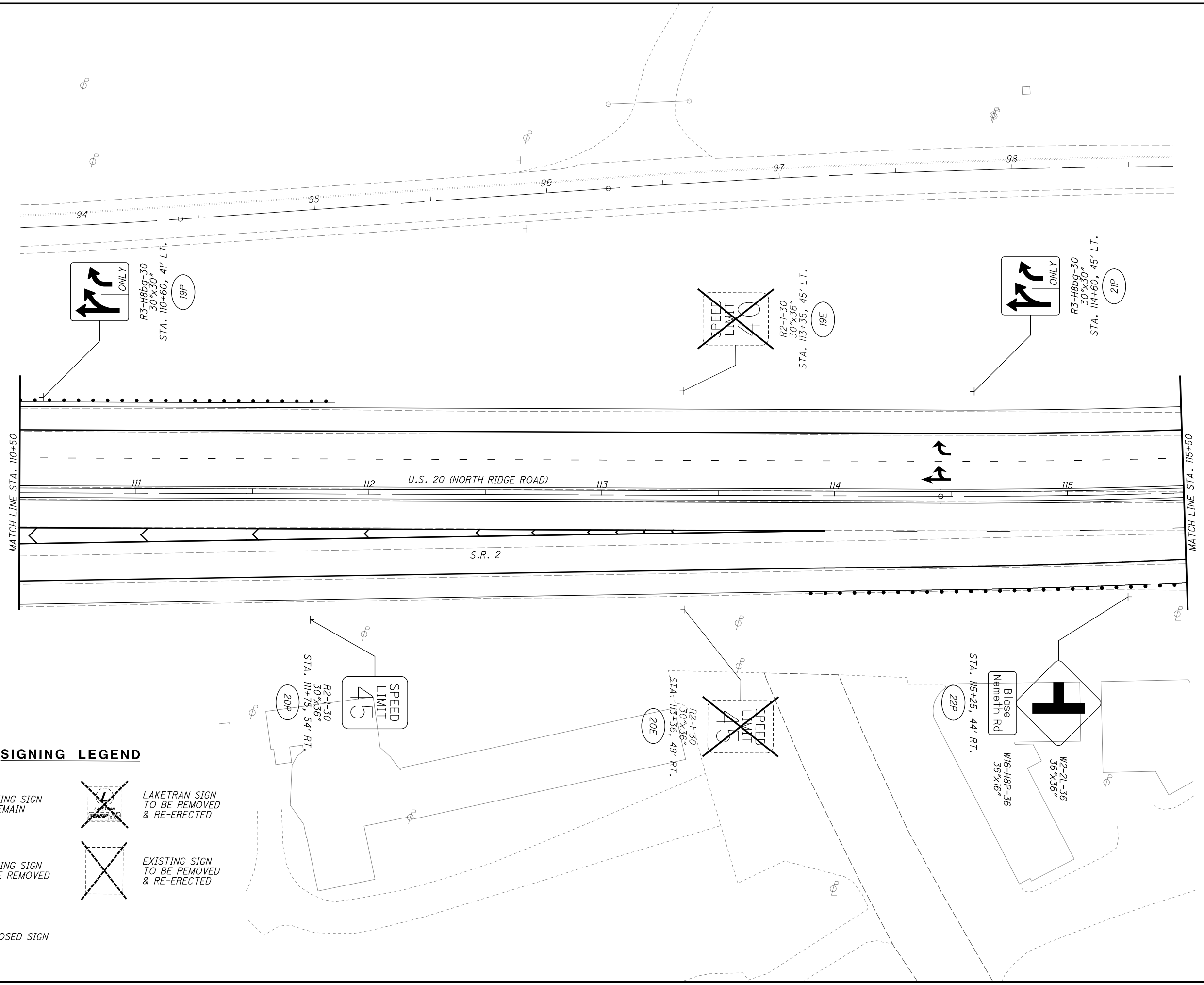


 0 20 40 HORIZONTAL SCALE IN FEET	CALCULATED JDC CHECKED EJT	<b>SIGNING PLAN</b> <b>STA. 105+50 TO STA. 110+50</b>	<b>LAK-US-20-19.59</b> <b>PART 1</b> 960 1253
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**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		



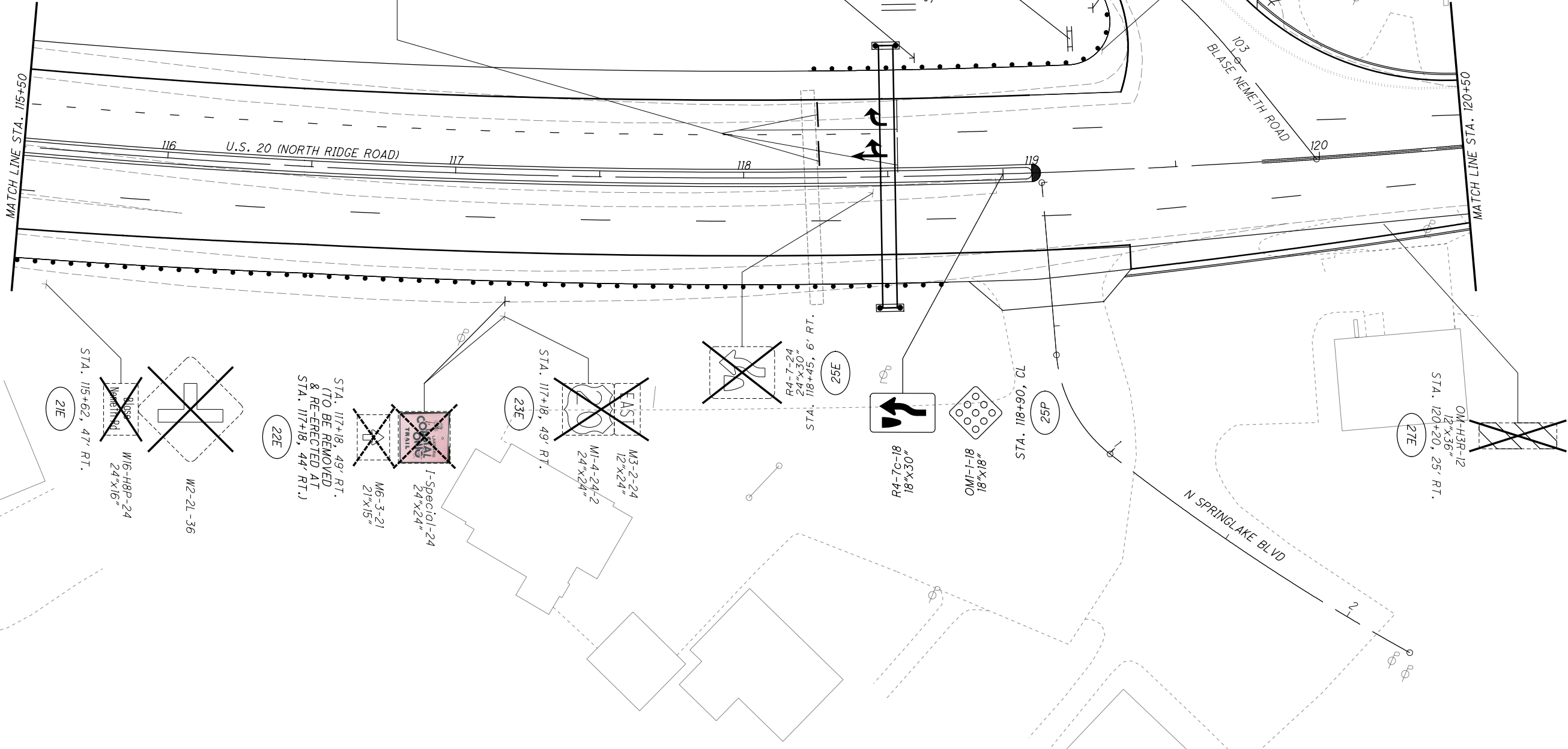
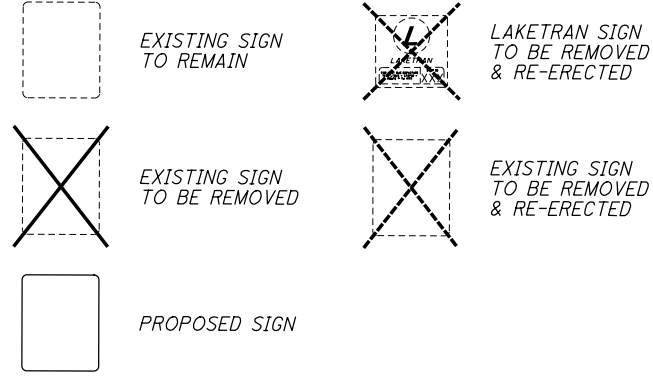
CALCULATED JDC  
CHECKED EJT



0 20 40  
HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 110+50 TO STA. 115+50**

### SIGNING LEGEND



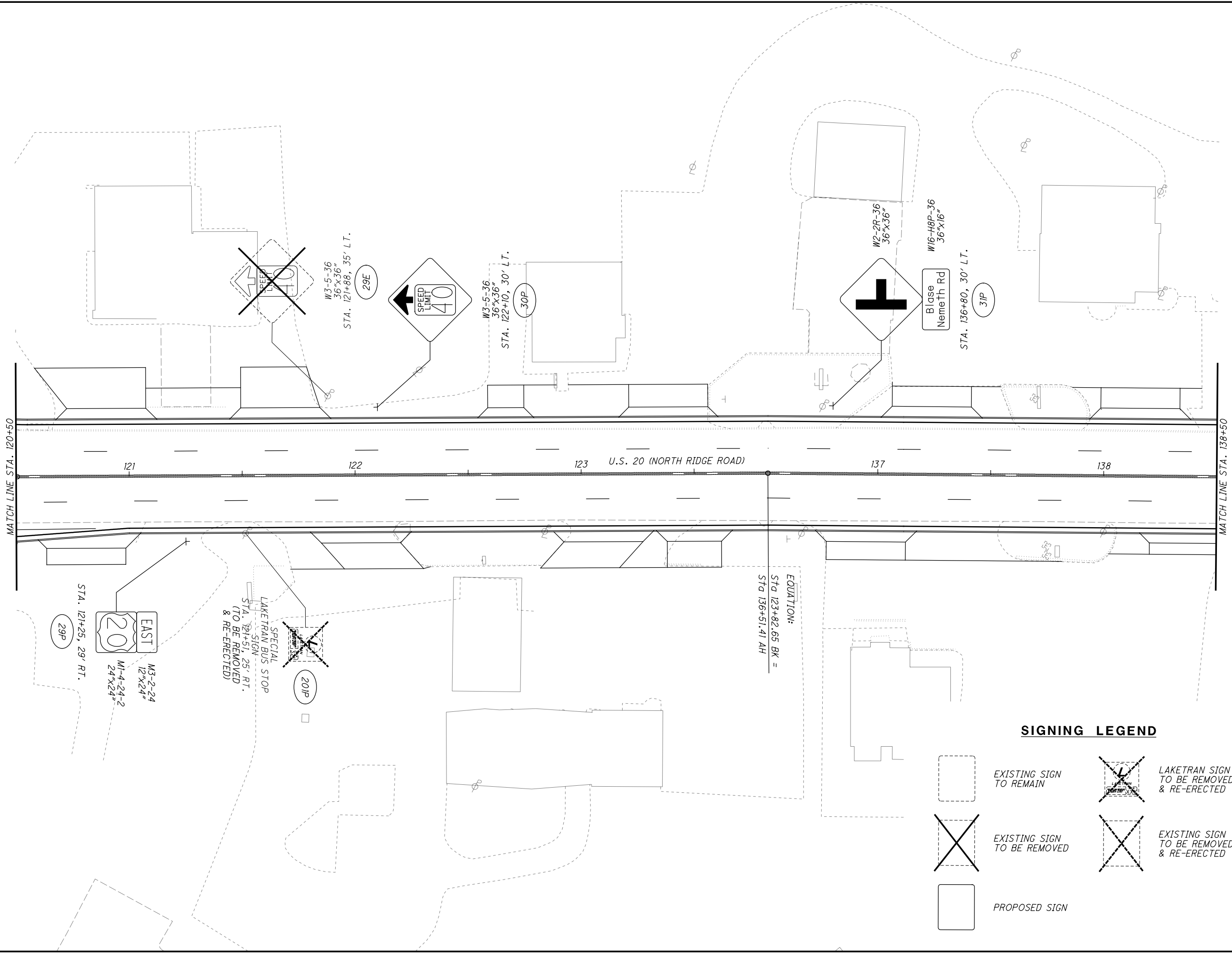
NOTES

1. FOR OVERHEAD SIGN DETAILS AND QUANTITIES, SEE SHEET 1000



### SIGNING PLAN

### STA. 115+50 TO STA. 120+50



**SIGNING LEGEND**

	PROPOSED SIGN		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		

**LAK-US-20-19.59**

**PART 1**

**SIGNING PLAN**

**STA. 120+50 TO STA. 138+50**

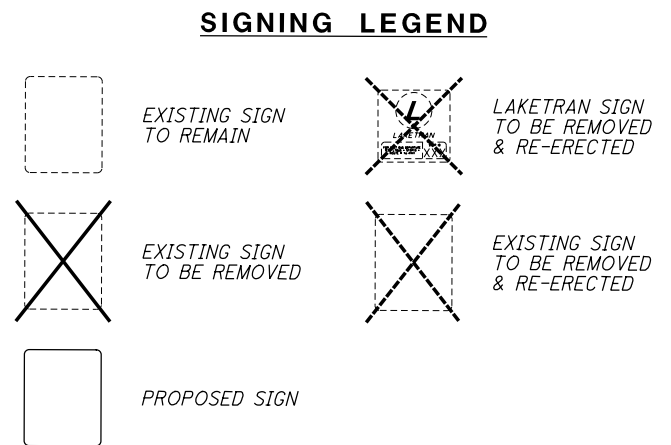
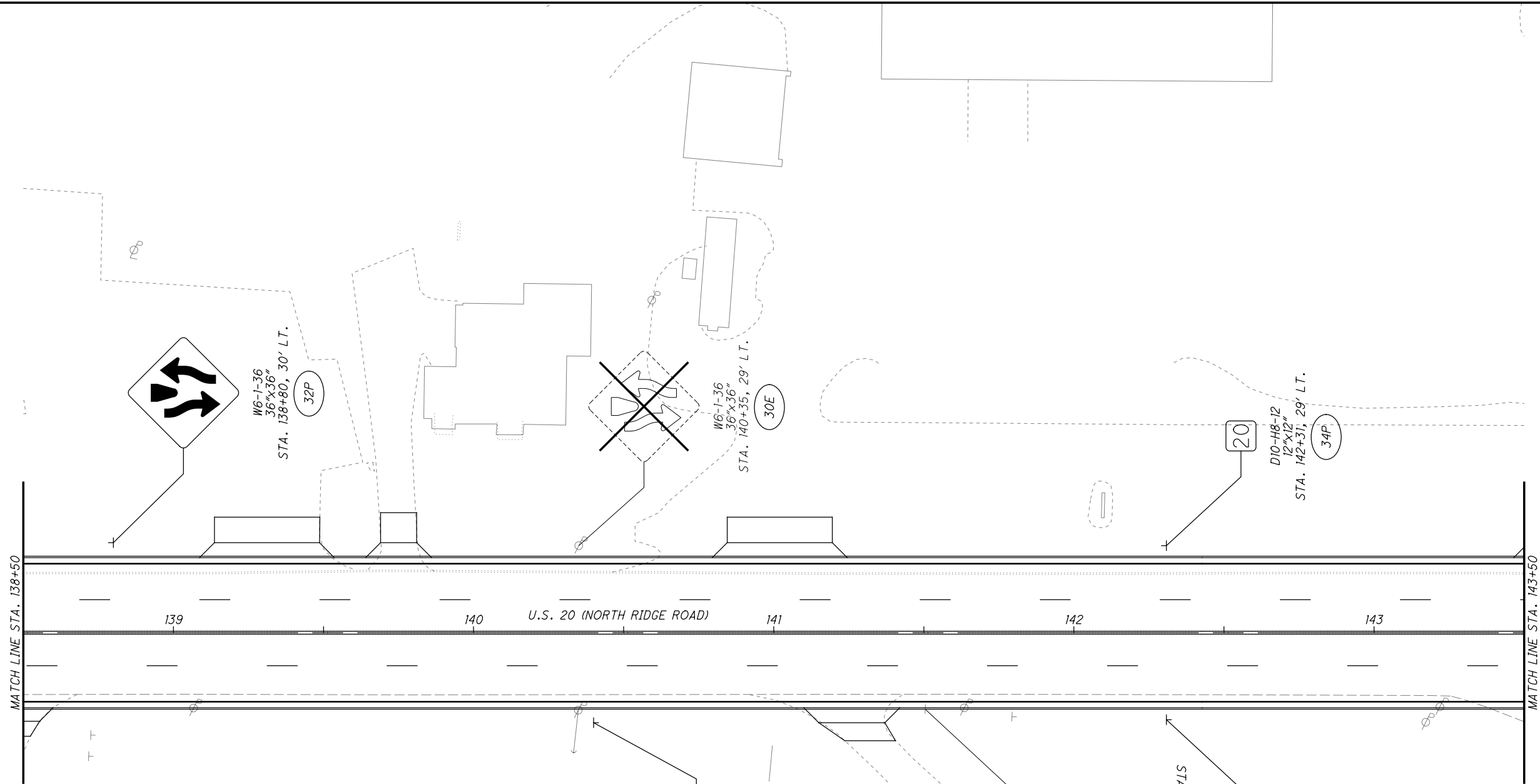
CALCULATED  
JDC

CHECKED  
EJT

0 20 40  
HORIZONTAL  
SCALE IN FEET

963

1253

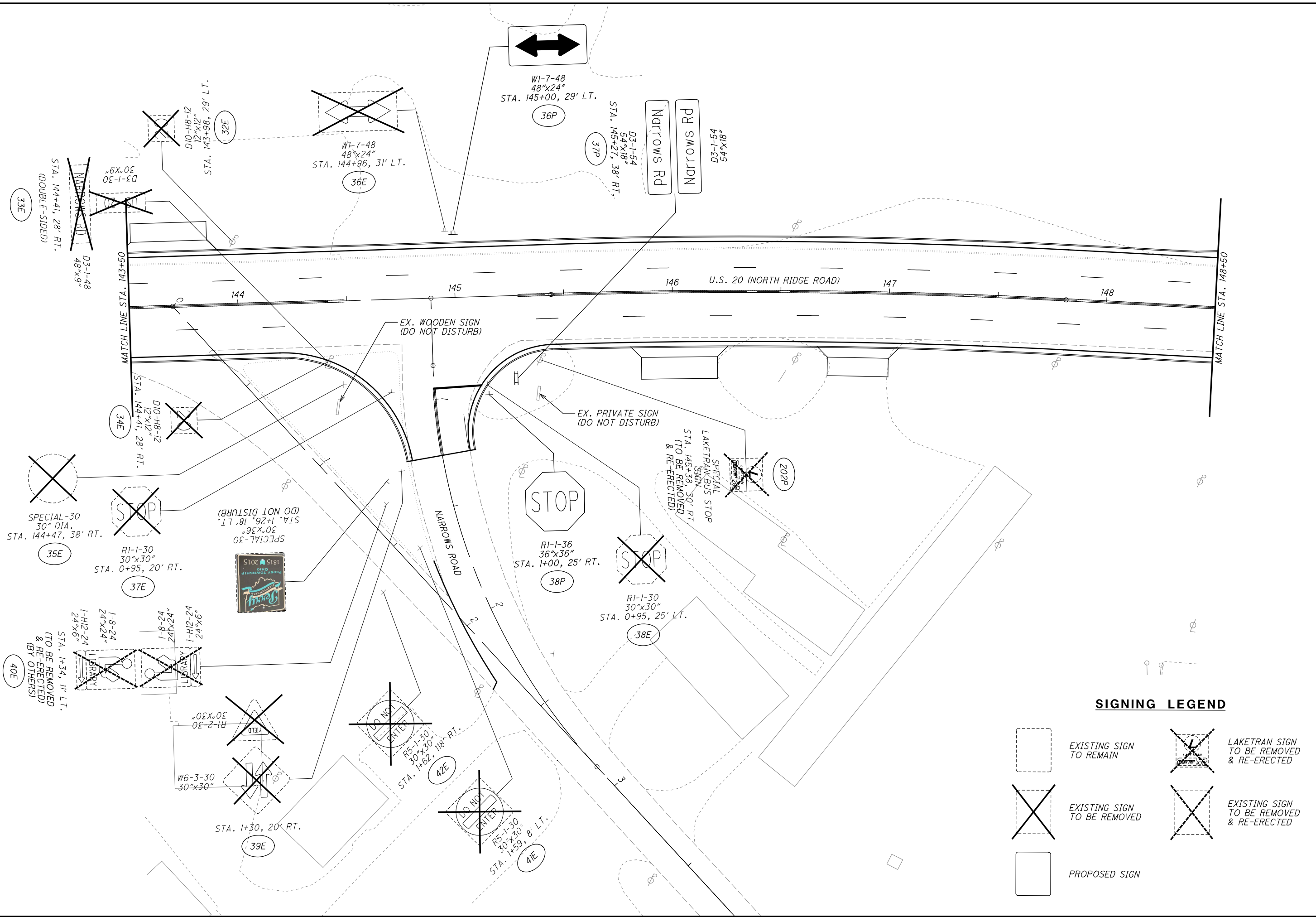


CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 138+50 TO STA. 143+50**

H:\2018\80743\001\ProjectData\08665.LAK\_20.WEST\Design\Traffic\Sheets\08665\_IP008.dgn Sheet 7/15/2022 3:26:45 PM troyer








CALCULATED 0  
 JDC  
 CHECKED EJT

0 20 40  
 HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 143+50 TO STA. 148+50**

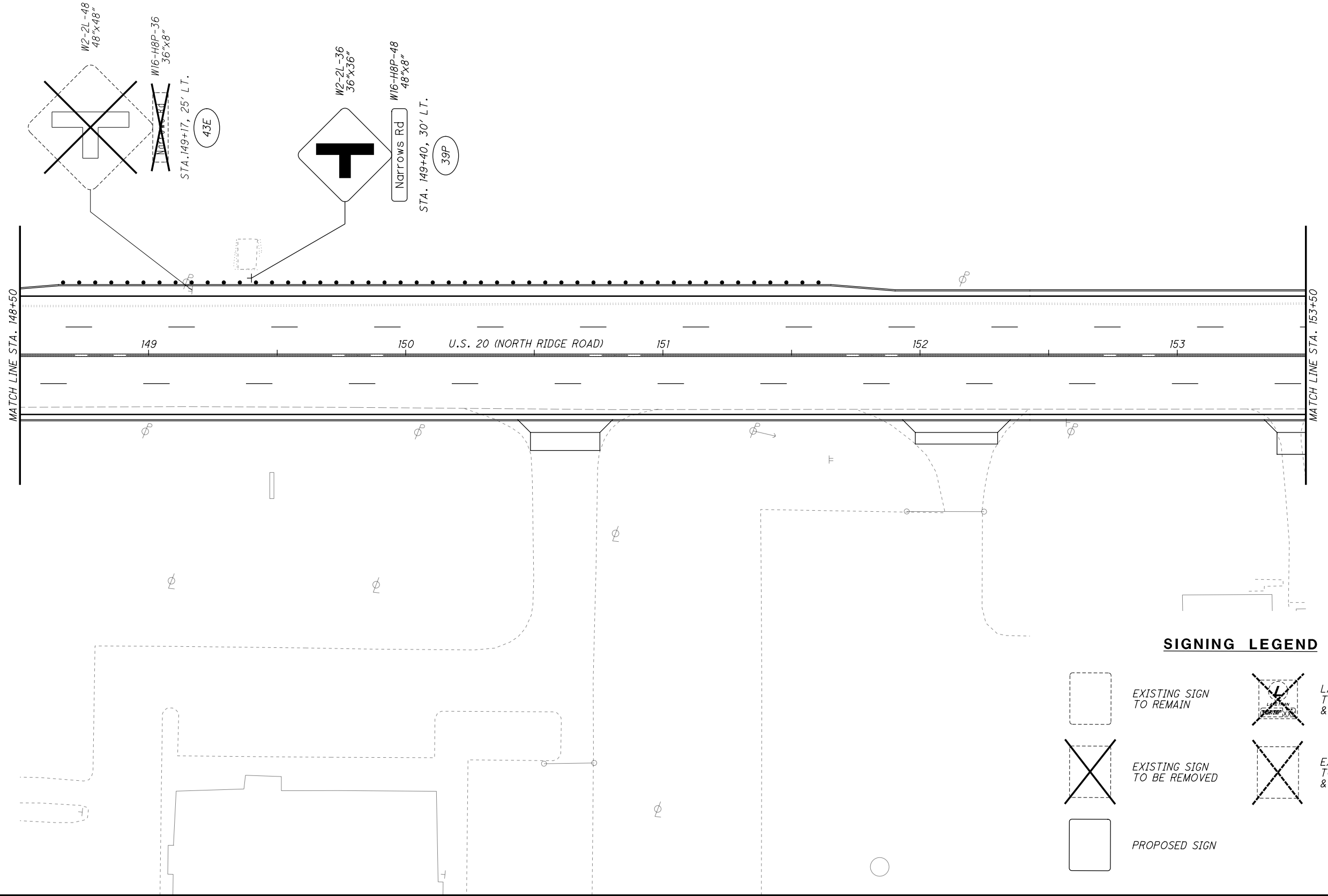
**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

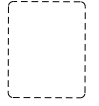

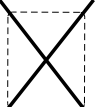

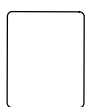
**LAK-US-20-19.59**  
**PART 1**

965  
 1253





**SIGNING LEGEND**

- |   |                             |   |  |
|---|-----------------------------|---|--|
|  | EXISTING SIGN TO REMAIN     |  | LAKETRAN SIGN TO BE REMOVED & RE-ERECTED |
|  | EXISTING SIGN TO BE REMOVED |  | EXISTING SIGN TO BE REMOVED & RE-ERECTED |
|  | PROPOSED SIGN               |   |  |

CALCULATED JDC  
CHECKED EJT

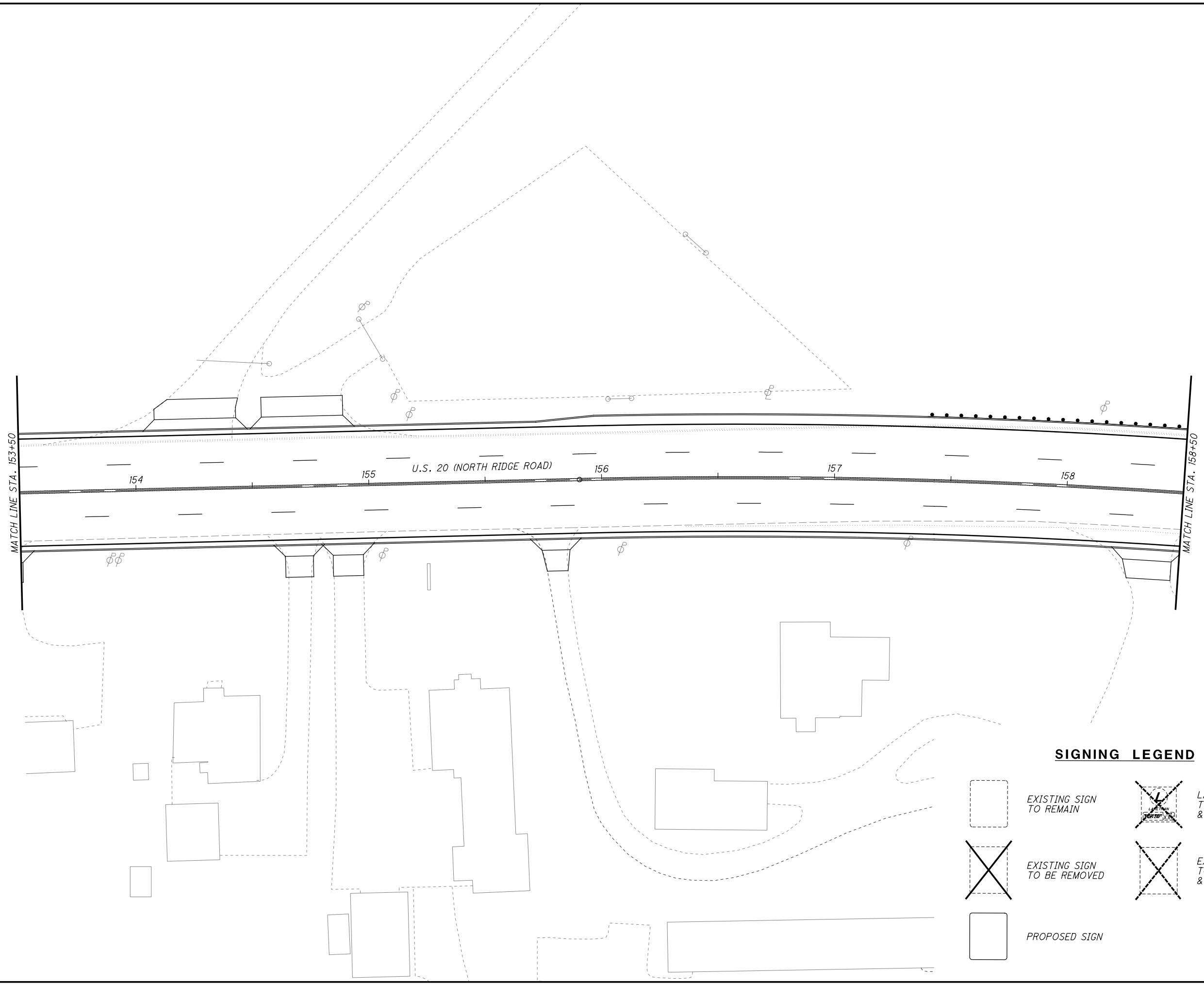


HORIZONTAL SCALE IN FEET

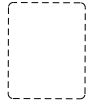
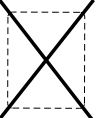
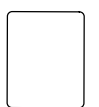

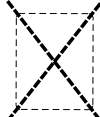
**SIGNING PLAN**  
**STA. 148+50 TO STA. 153+50**

**LAK-US-20-19.59**  
**PART 1**

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**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

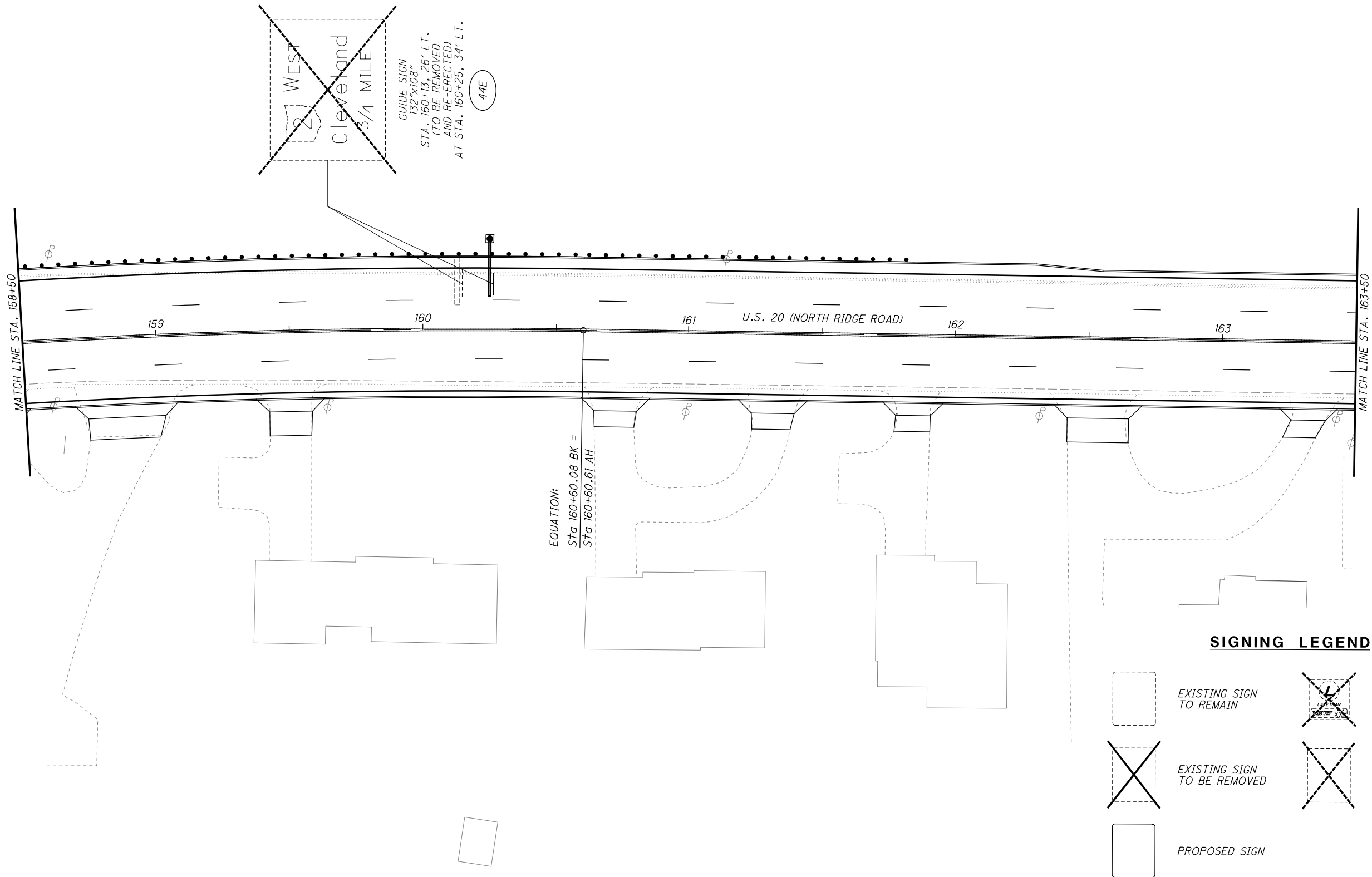
CALCULATED  
JDC  
CHECKED  
EJT

HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 153+50 TO STA. 158+50**

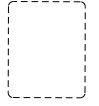

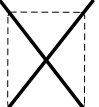
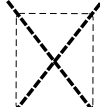
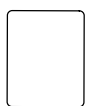
**LAK-US-20-19.59**  
**PART 1**

967  
1253



NOTES  
 1. FOR OVERHEAD SIGN DETAILS AND QUANTITIES,  
 SEE SHEET 1001.

**SIGNING LEGEND**

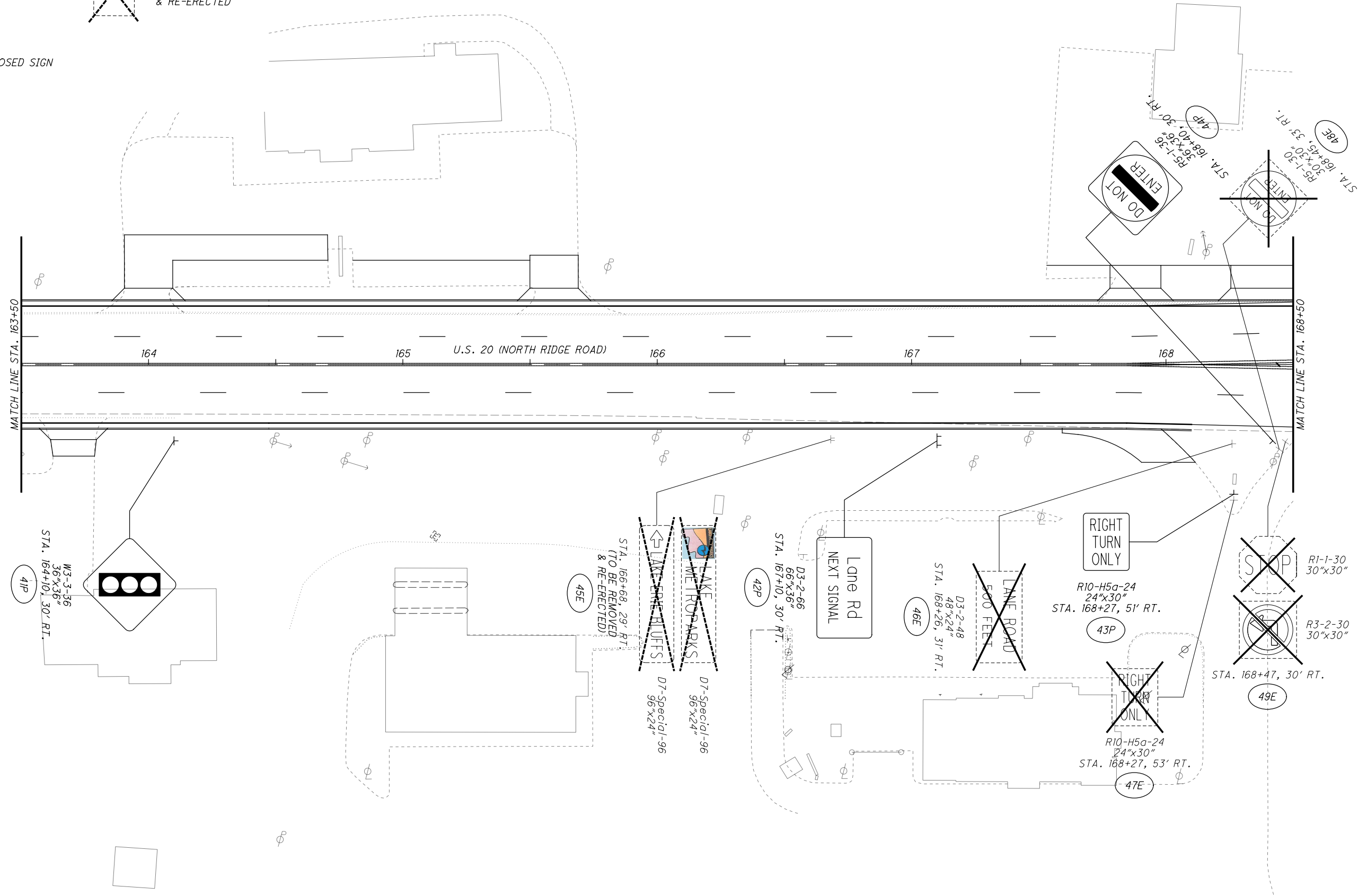
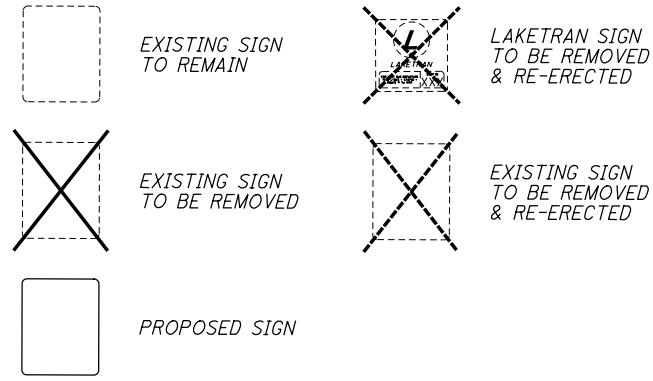
	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		

CALCULATED  
 JDC  
 CHECKED  
 EJT

0 20 40  
 HORIZONTAL  
 SCALE IN FEET

**SIGNING PLAN**  
**STA. 158+50 TO STA. 163+50**




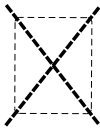

### SIGNING LEGEND

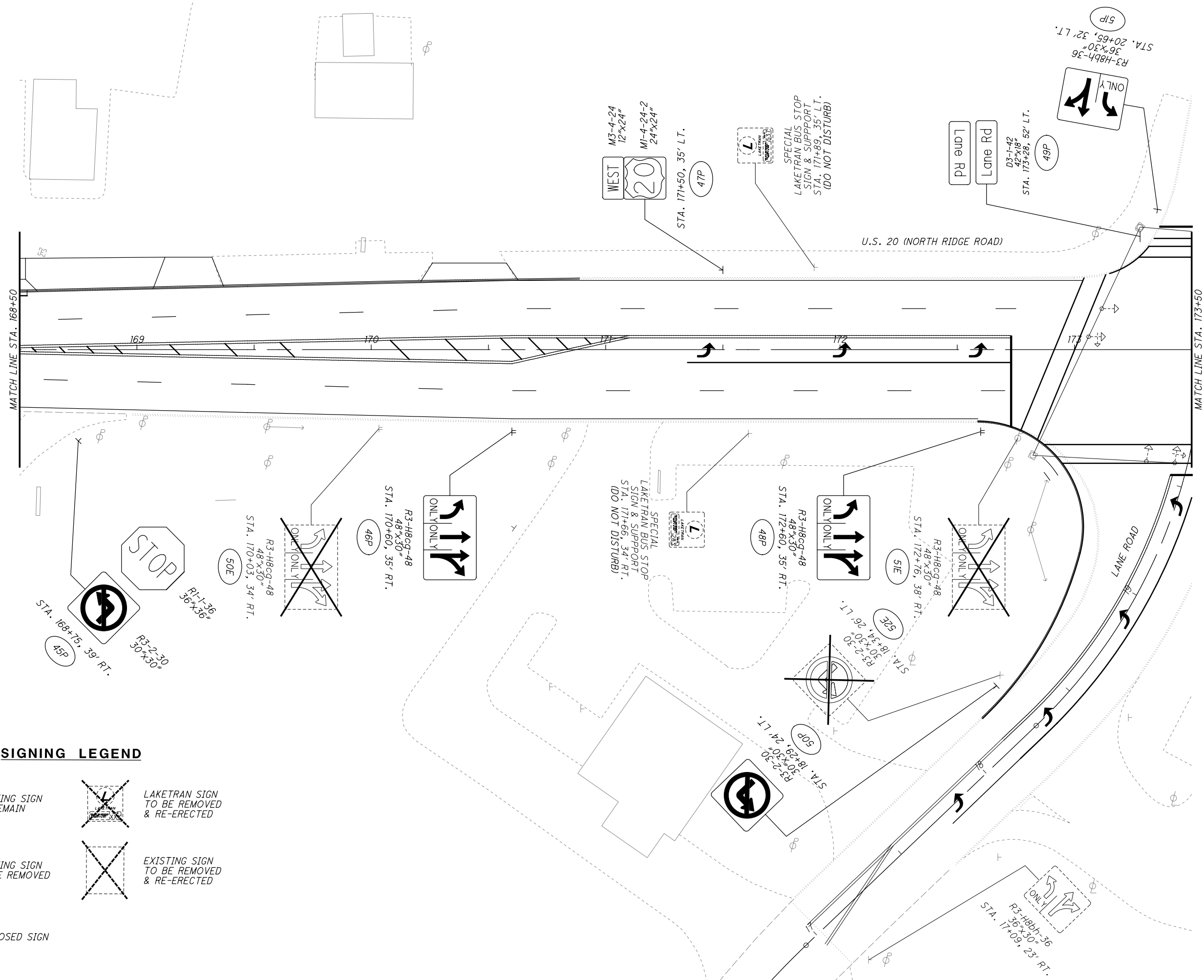


### SIGNING PLAN STA. 163+50 TO STA. 168+50

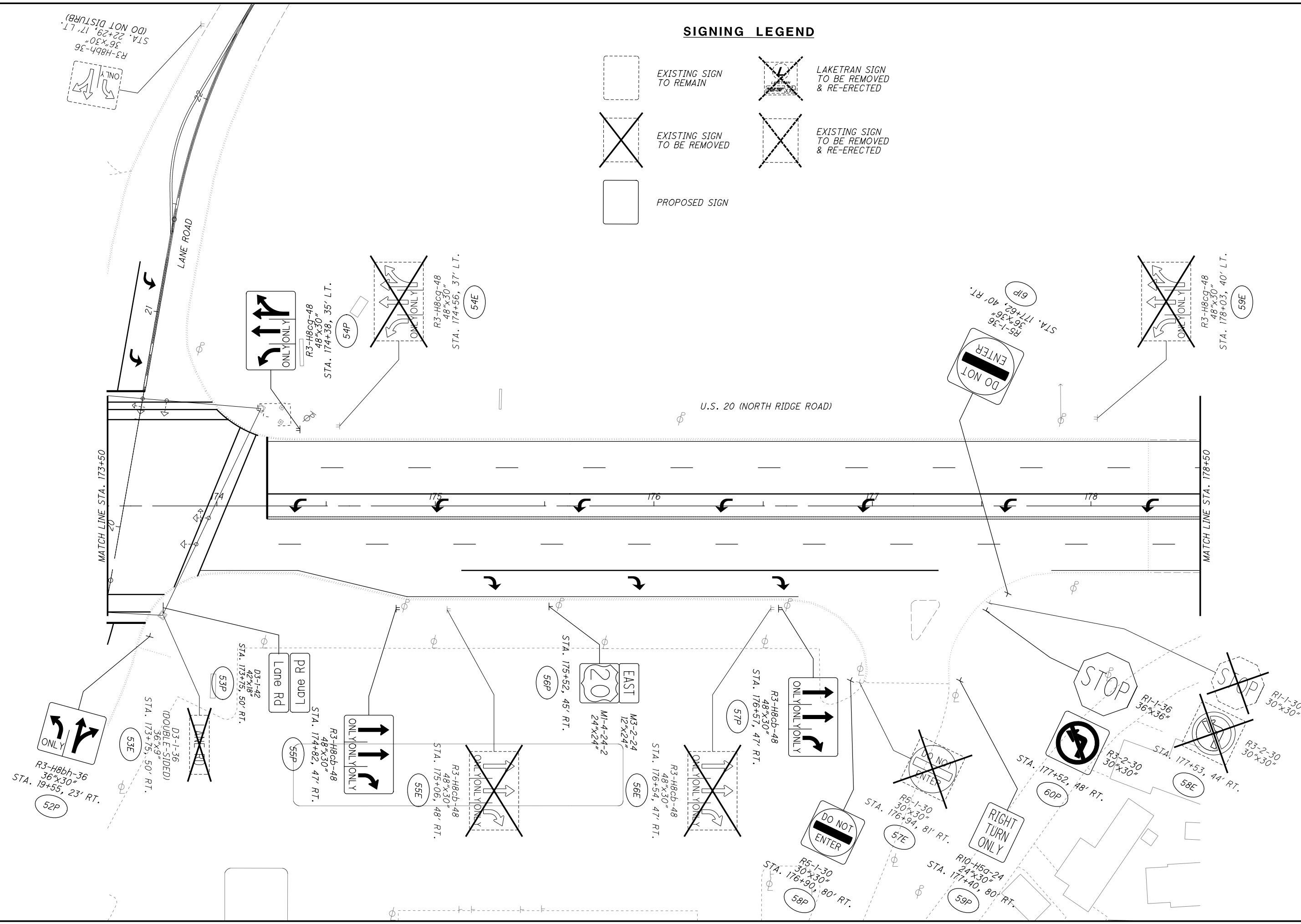
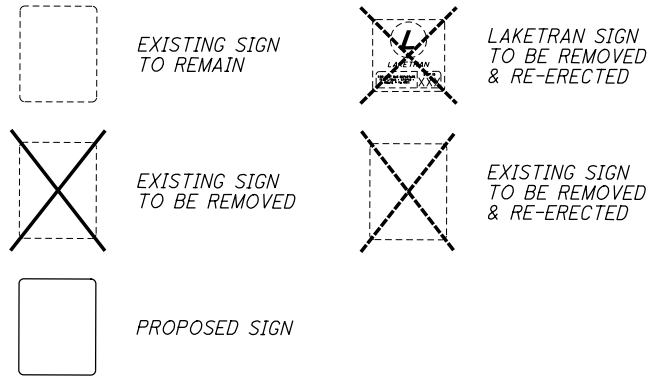
### LAK-US-20-19.59 PART 1

**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		



### SIGNING LEGEND



CALCULATED 0  
 JDC 10  
 CHECKED 10  
 EJT 40

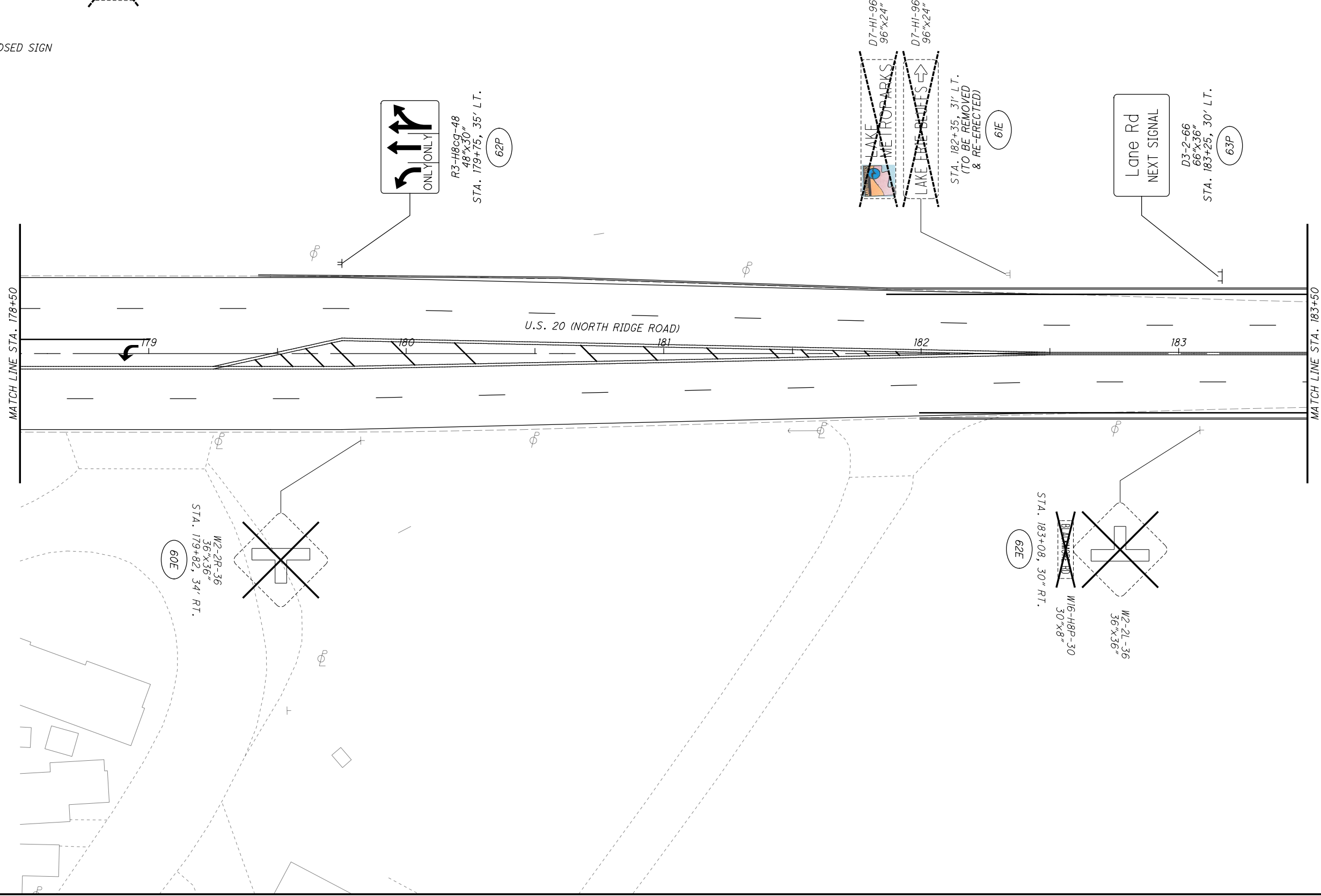
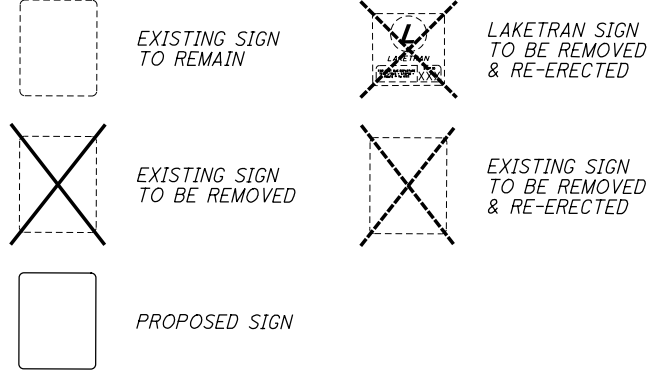
HORIZONTAL SCALE IN FEET

## SIGNING PLAN

### STA. 173+50 TO STA. 178+50




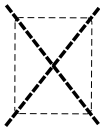
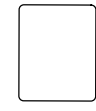
LAK-US-20-19.59  
 PART 1  
 971  
 1253

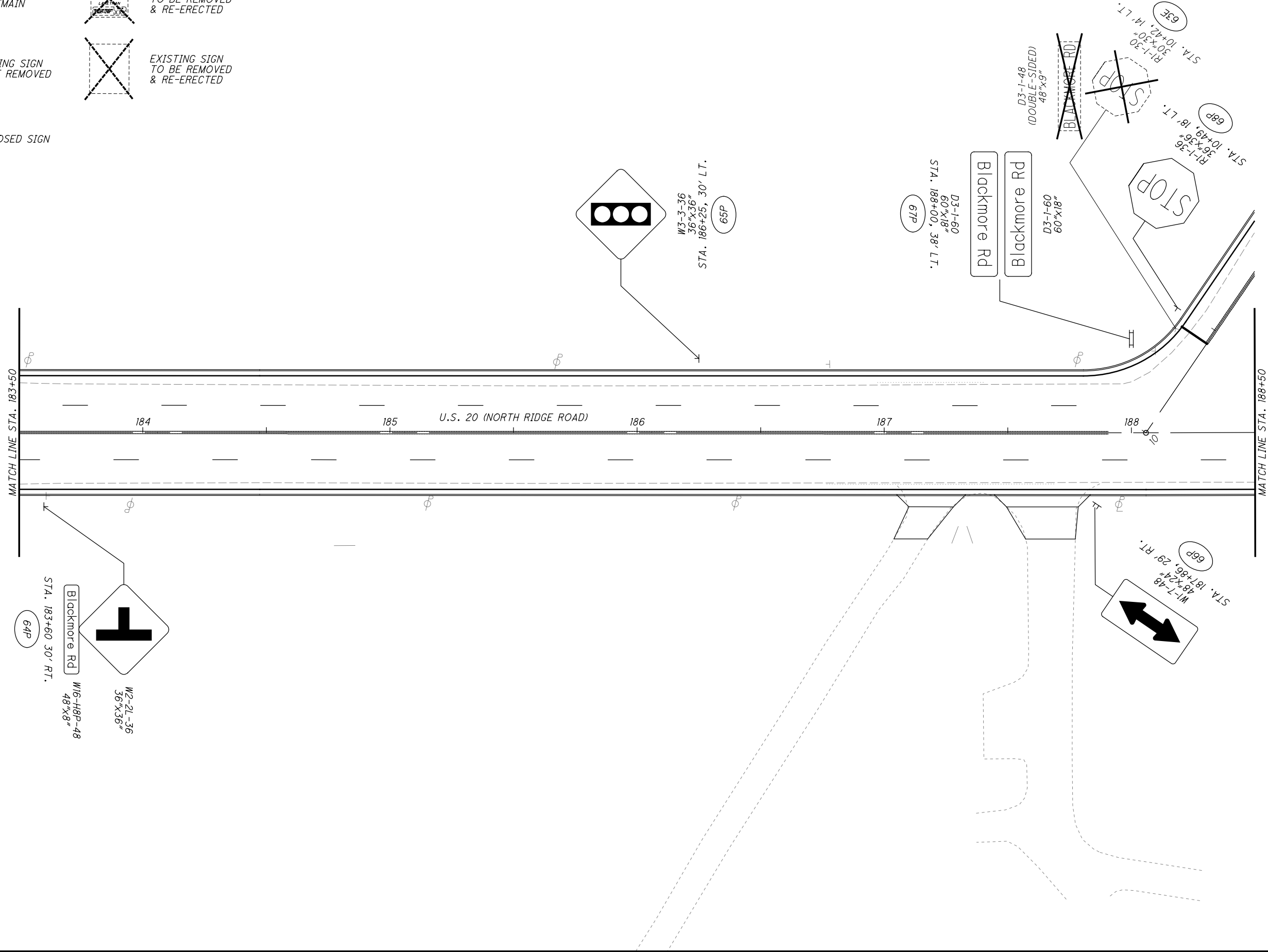
**SIGNING LEGEND**



**SIGNING PLAN**  
**STA. 178+50 TO STA. 183+50**

### SIGNING LEGEND

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		



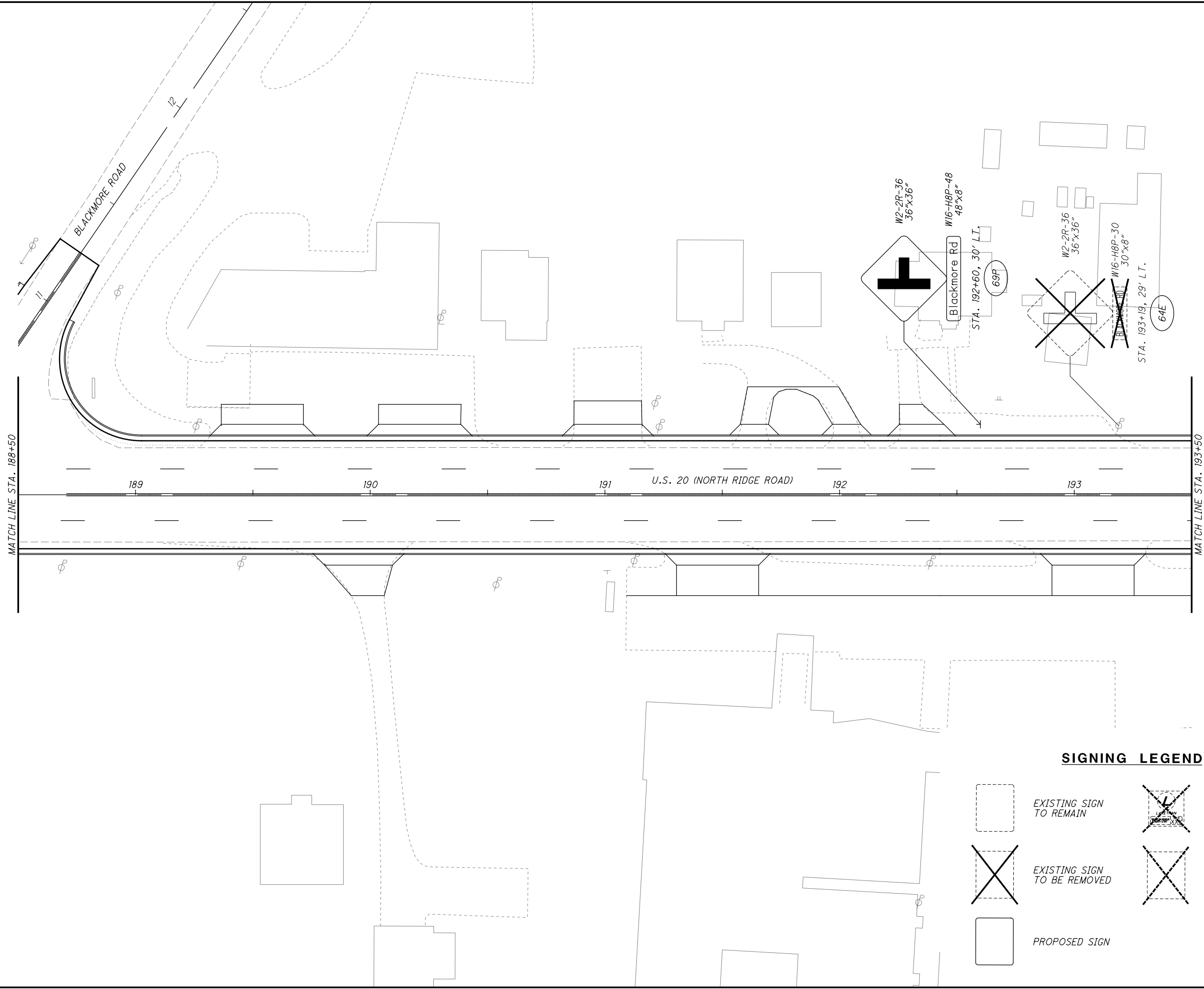
CALCULATED JDC  
CHECKED EJT

0 20 40  
10  
HORIZONTAL  
SCALE IN FEET

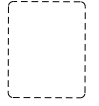
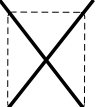
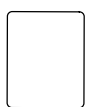

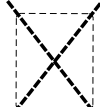
## SIGNING PLAN

### STA. 183+50 TO STA. 188+50





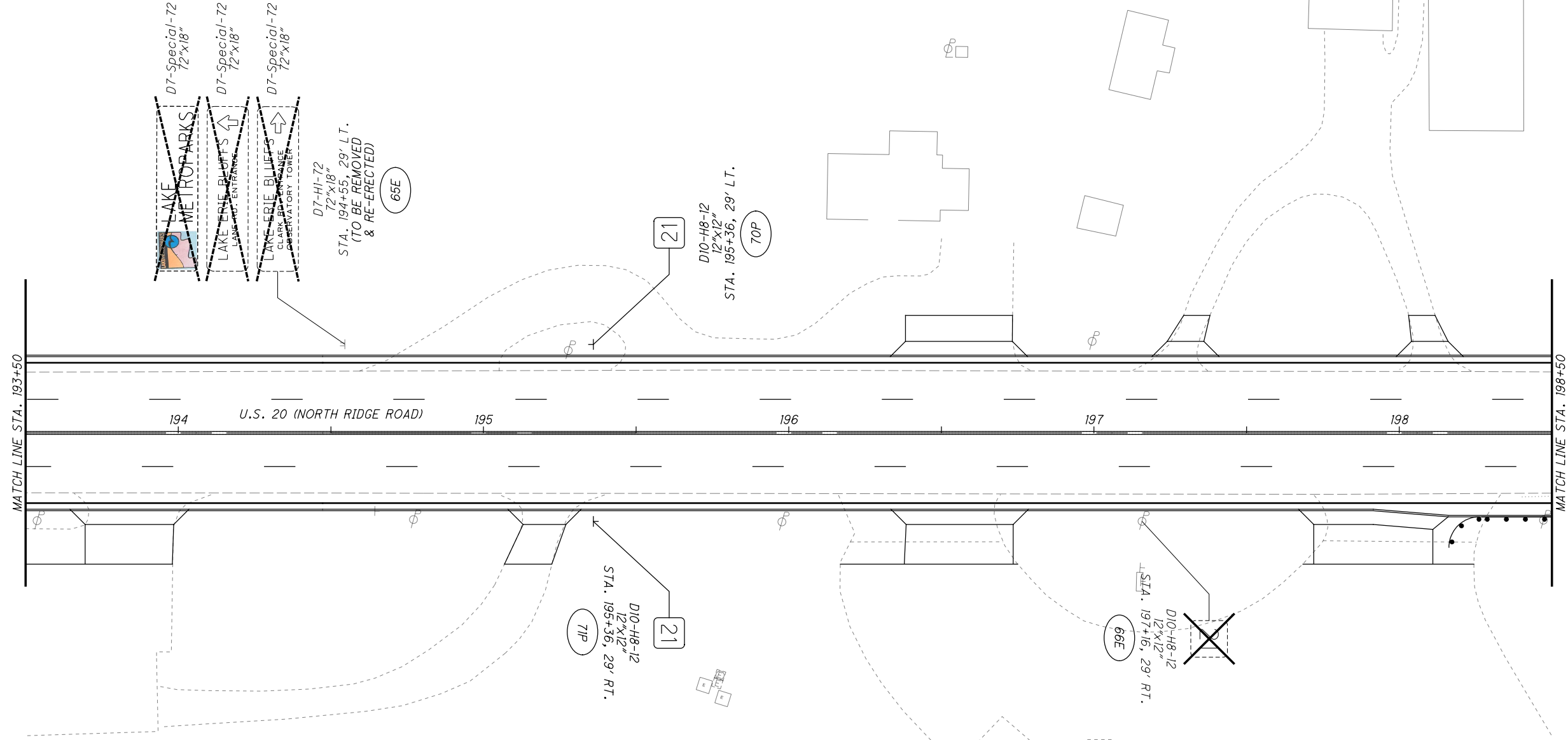
**SIGNING LEGEND**

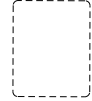
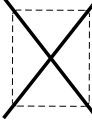



-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC  
CHECKED EJT

HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 188+50 TO STA. 193+50**



-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED 0  
 JDC  
 CHECKED EJT

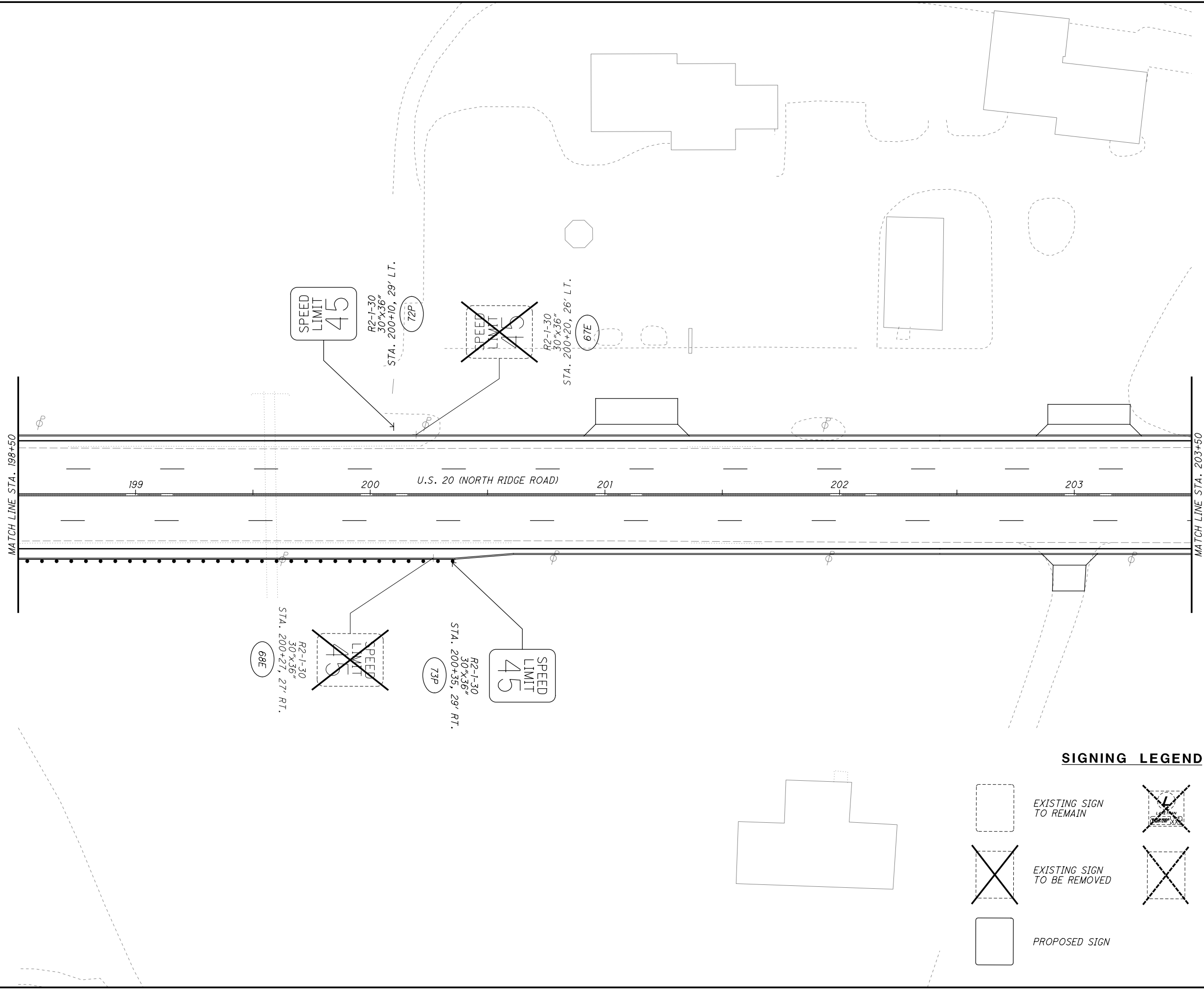



HORIZONTAL SCALE IN FEET

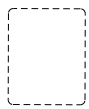
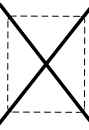



**SIGNING PLAN**  
**STA. 193+50 TO STA. 198+50**

**LAK-US-20-19.59**  
**PART 1**

975  
 1253



**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

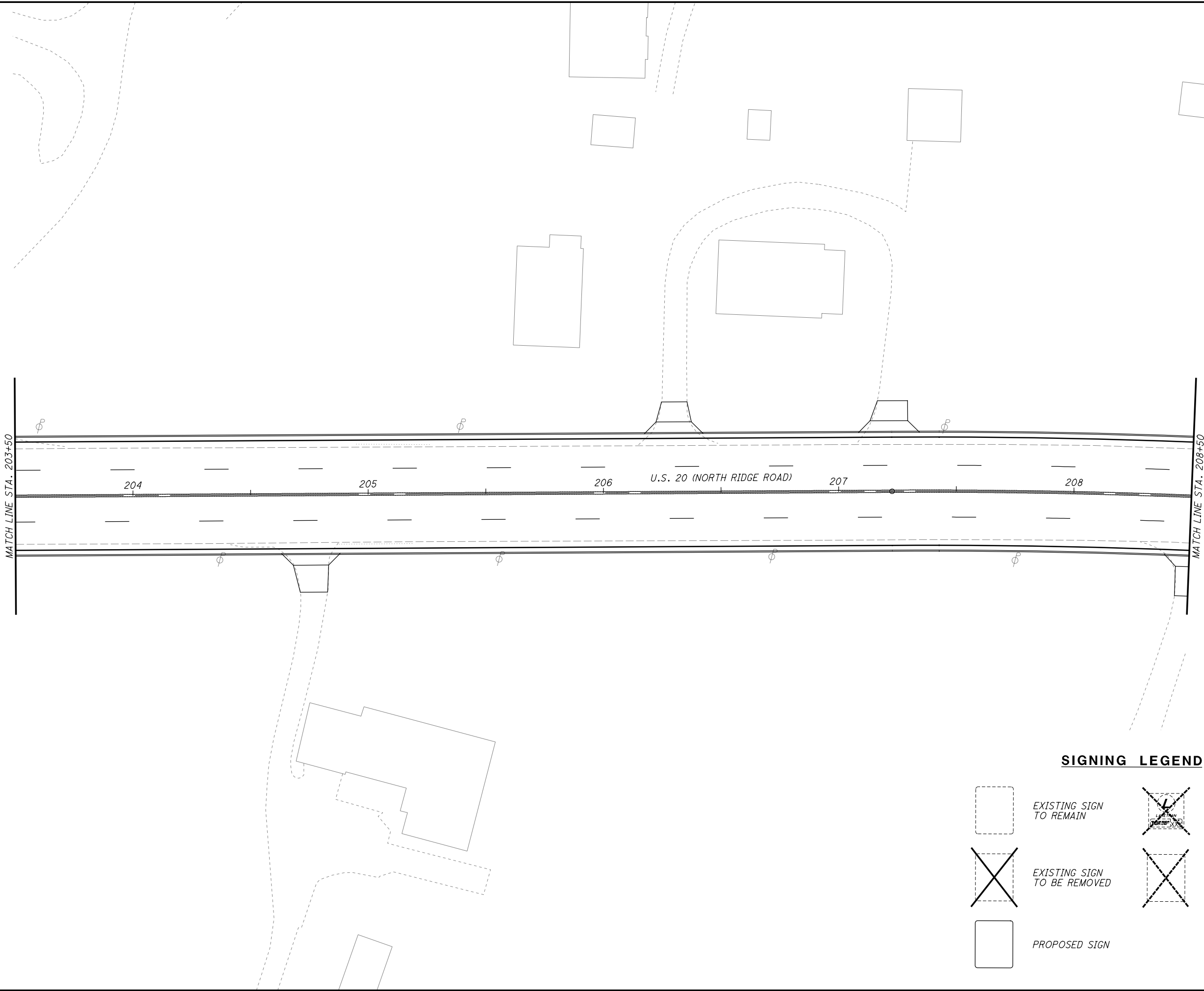
CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

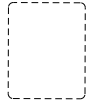
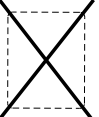
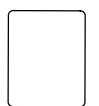

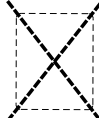
**SIGNING PLAN**  
**STA. 198+50 TO STA. 203+50**

**LAK-US-20-19.59**  
**PART 1**

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**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED  
JDC  
CHECKED  
EJT

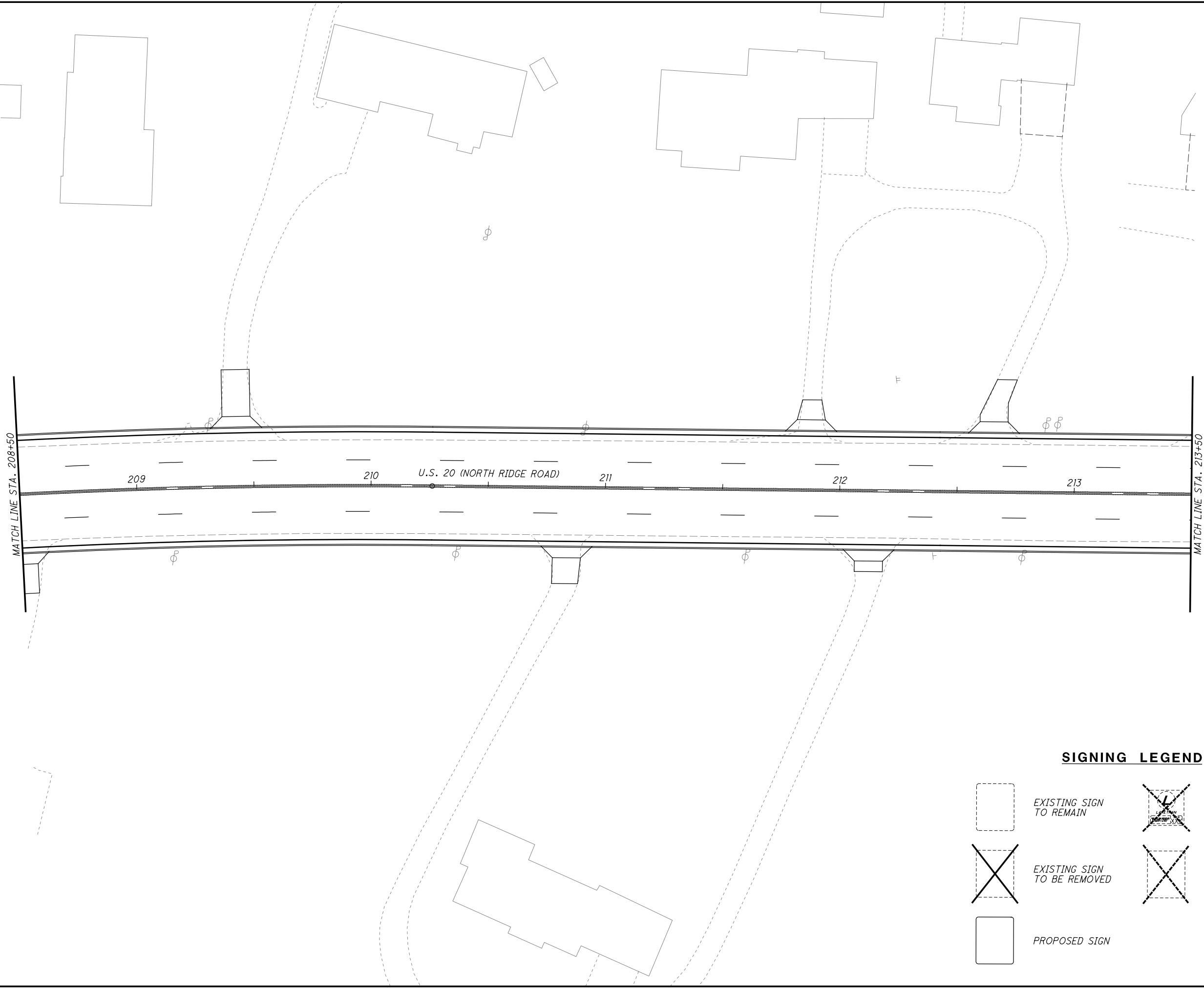
HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 203+50 TO STA. 208+50**






**LAK-US-20-19.59**  
**PART 1**

977  
1253

H:\2018\180743\000T\ProjectData\08665\_LAK\_20\_WEST\Design\Traffic\Sheets\08665\_IP021.dgn Sheet 7/15/2022 3:26:54 PM Troyer



**SIGNING LEGEND**

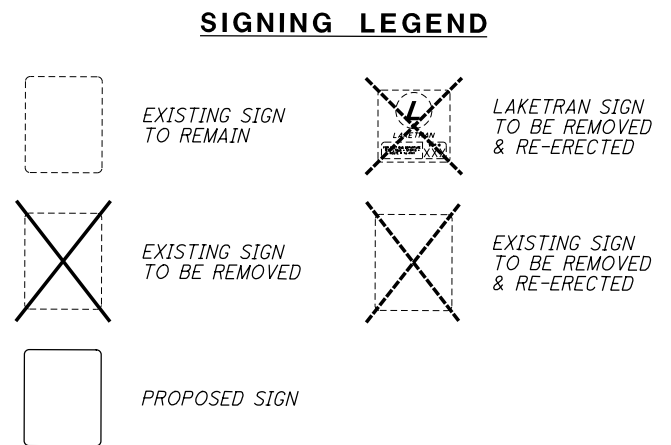
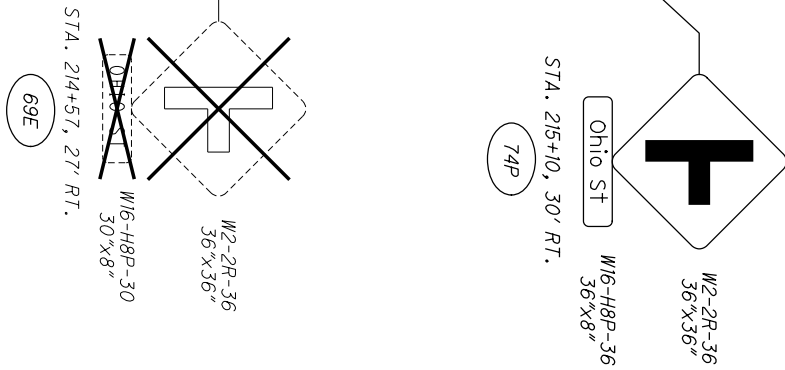
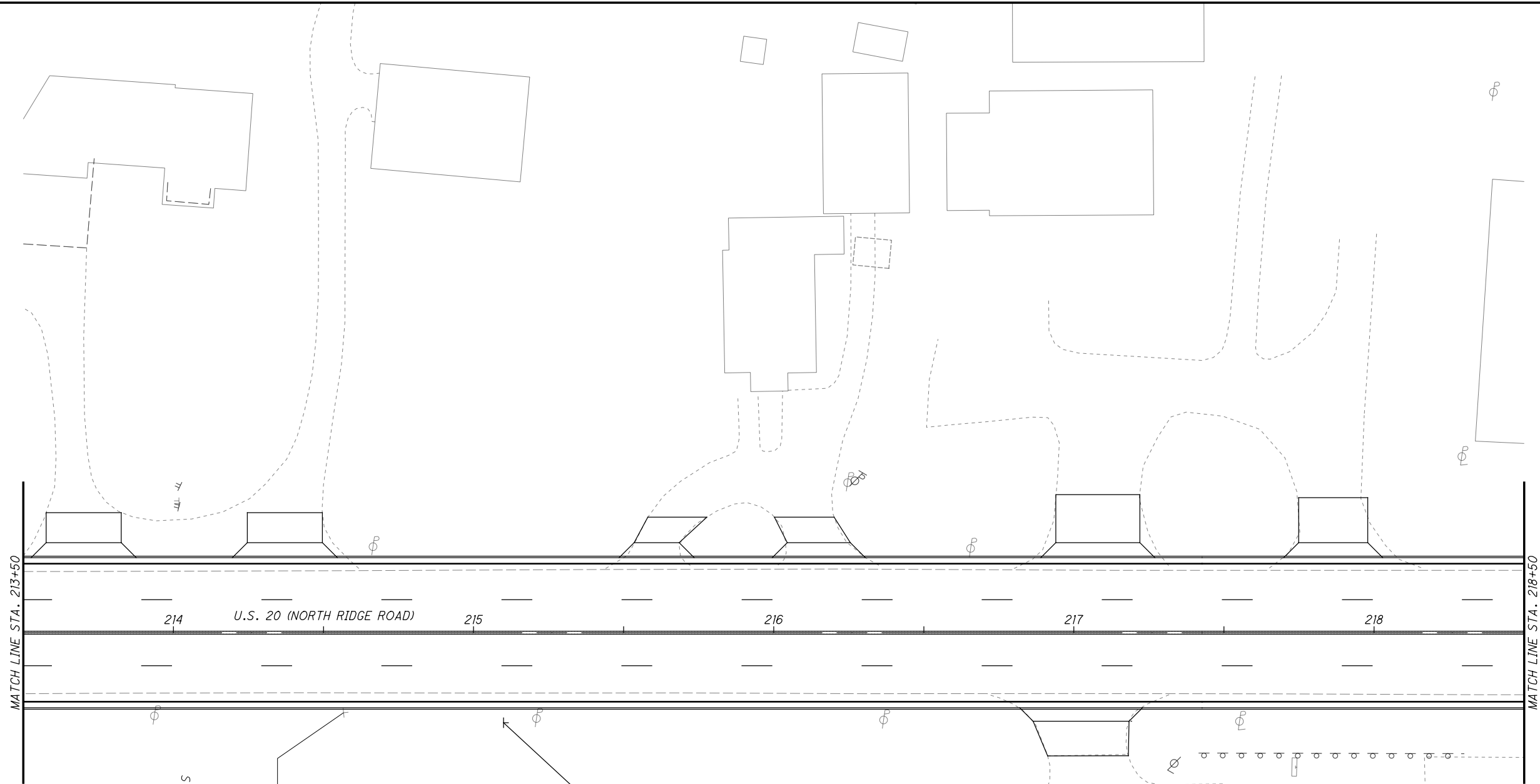
-  PROPOSED SIGN
-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC  
CHECKED EJT



0 20 40  
HORIZONTAL SCALE IN FEET

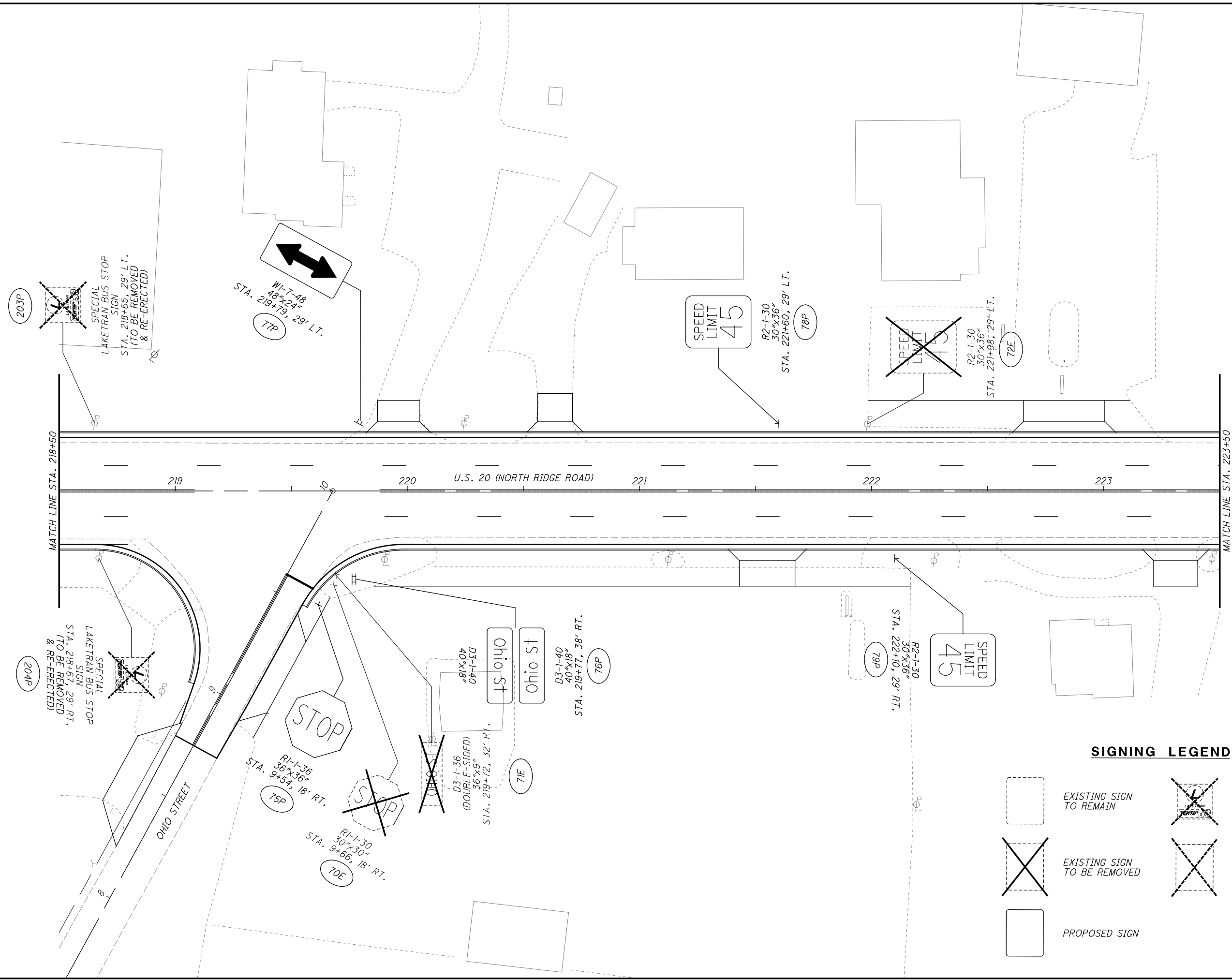
**SIGNING PLAN**  
**STA. 208+50 TO STA. 213+50**



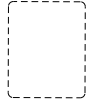

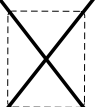
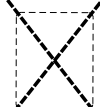
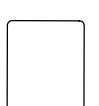
CALCULATED  
JDC  
CHECKED  
EJT

HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 213+50 TO STA. 218+50**



**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		

**LAK-US-20-19.59**  
**PART 1**  
**SIGNING PLAN**  
**STA. 218+50 TO STA. 223+50**


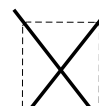
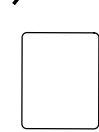

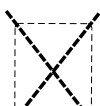
980  
1253

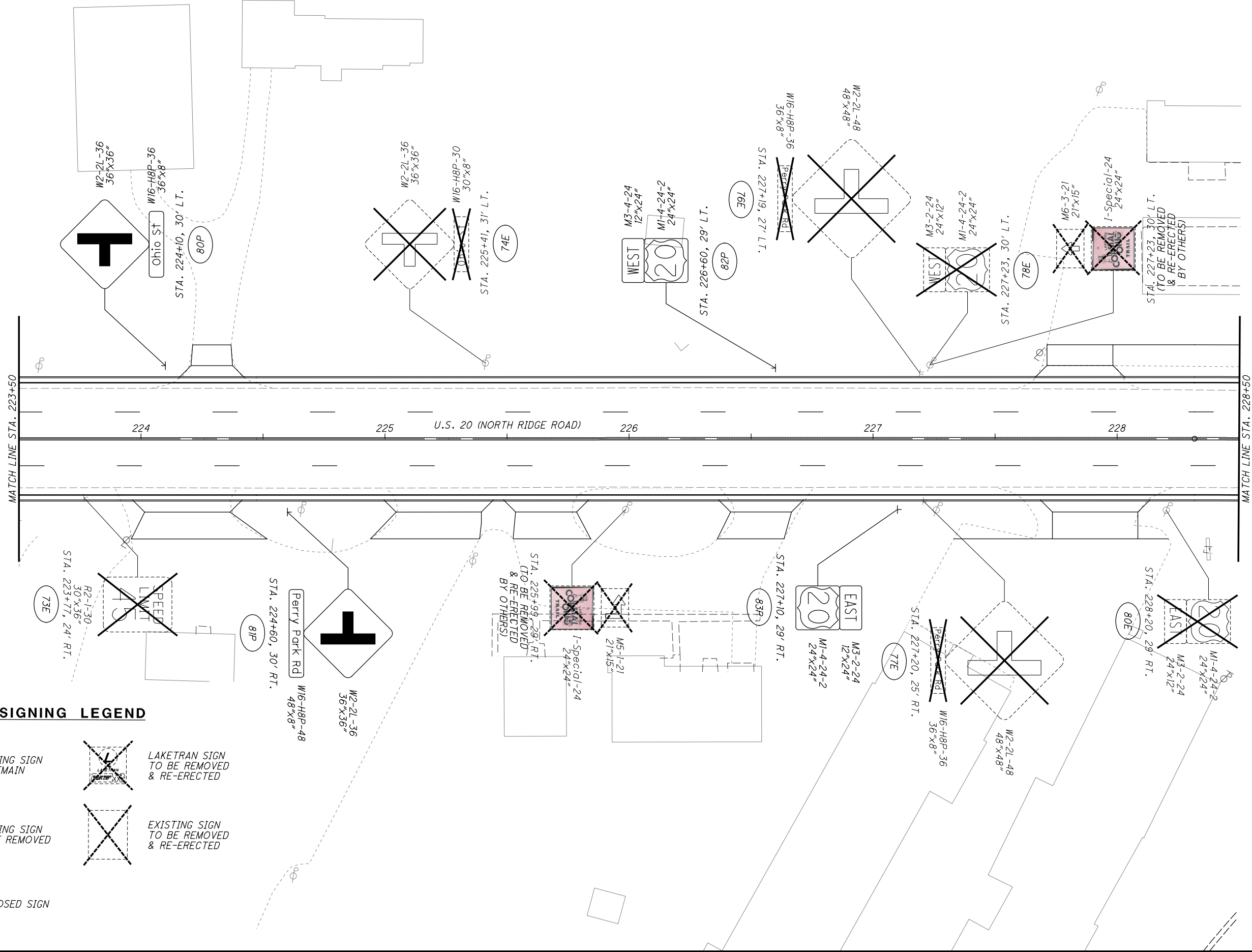
CALCULATED: JDC  
 CHECKED: EJT

0 20 40  
 HORIZONTAL SCALE IN FEET



**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED



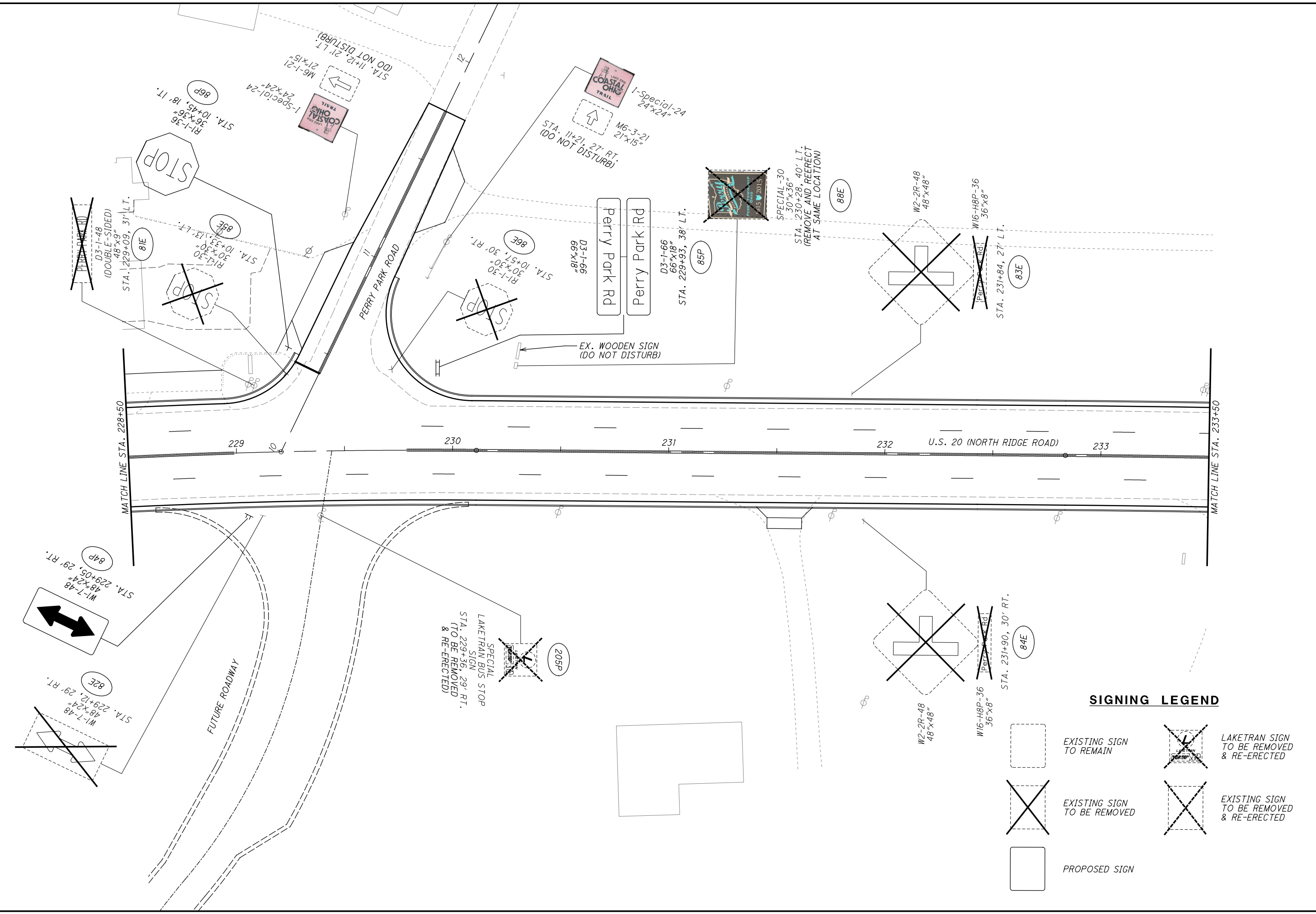

  

  
 HORIZONTAL SCALE IN FEET






CALCULATED	JDC
CHECKED	EJT

**SIGNING PLAN**  
**STA. 223+50 TO STA. 228+50**





**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		

**LAK-US-20-19.59**

**PART 1**

**SIGNING PLAN**

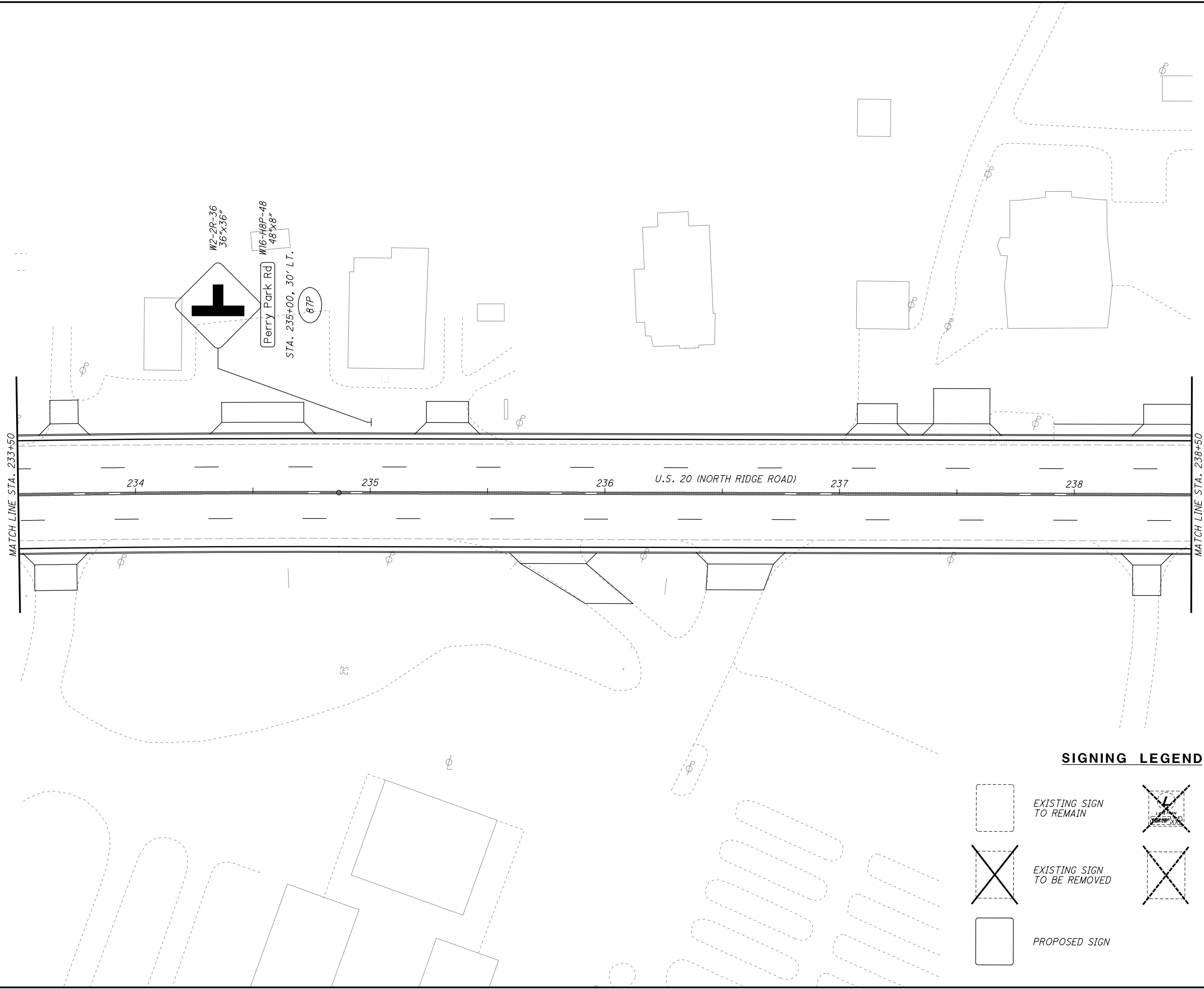
**STA. 228+50 TO STA. 233+50**

982  
1253


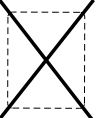


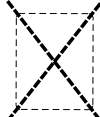
CALCULATED JDC  
CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET





**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC CHECKED EJT

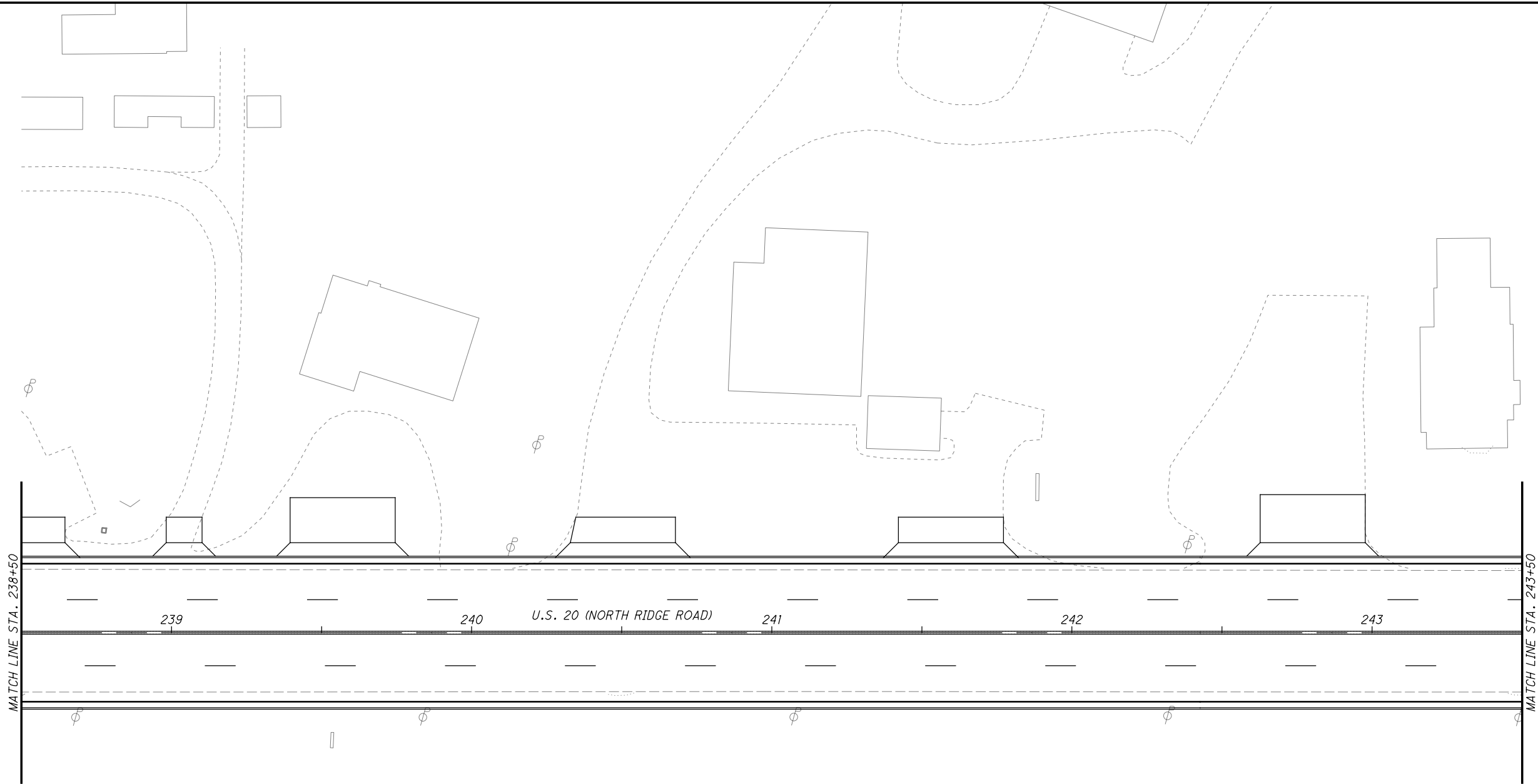



HORIZONTAL SCALE IN FEET

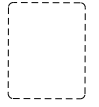
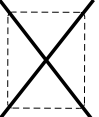
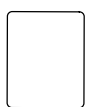

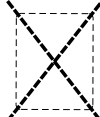
**SIGNING PLAN**  
**STA. 233+50 TO STA. 238+50**

**LAK-US-20-19.59**  
**PART 1**

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**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC  
CHECKED EJT

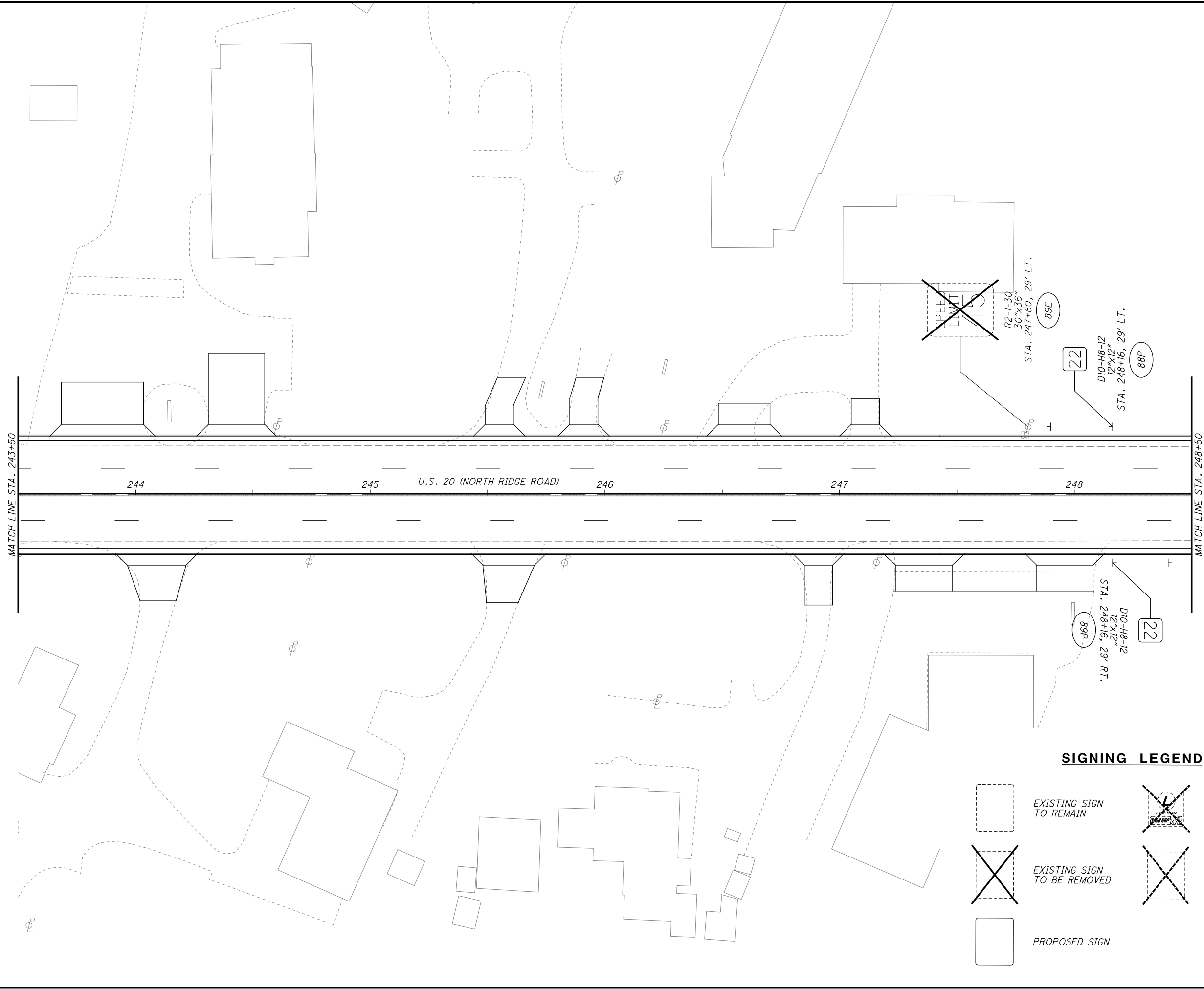
HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 238+50 TO STA. 243+50**

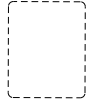
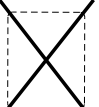
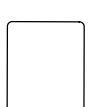

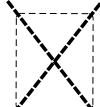
**LAK-US-20-19.59**  
**PART 1**

984  
1253

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**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED  
JDC  
CHECKED  
EJT

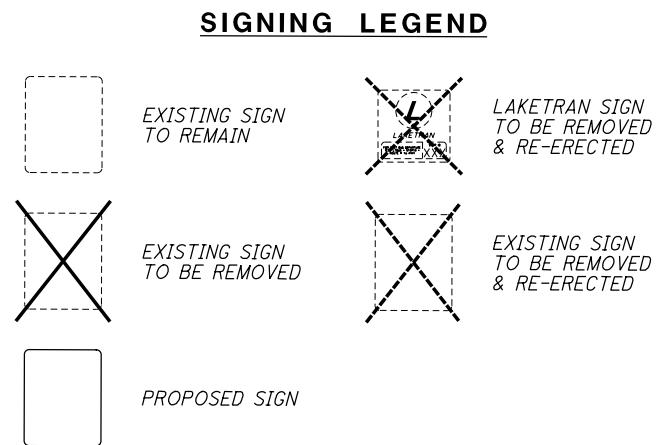
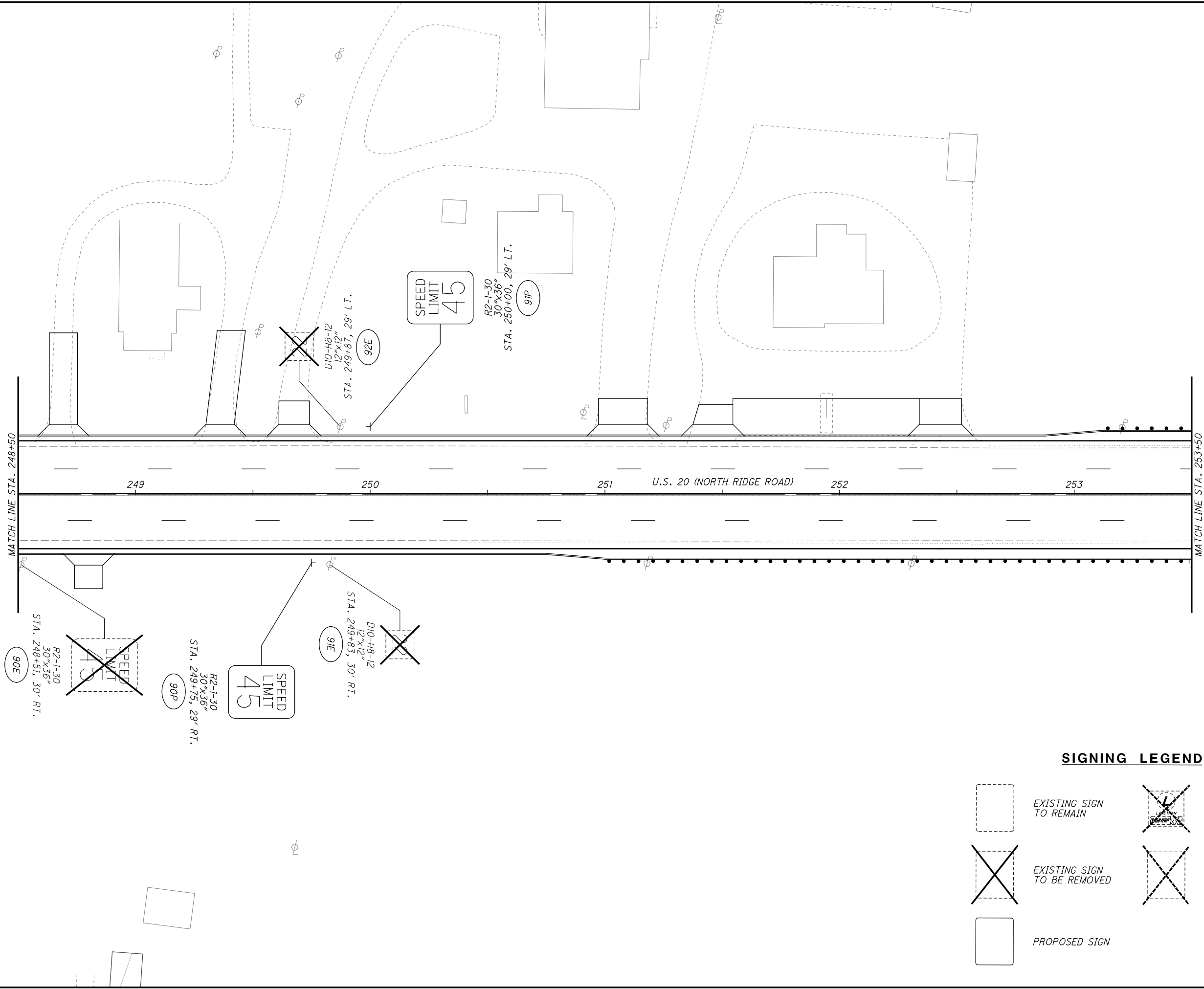



HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 243+50 TO STA. 248+50**

**LAK-US-20-19.59**  
**PART 1**

985  
1253

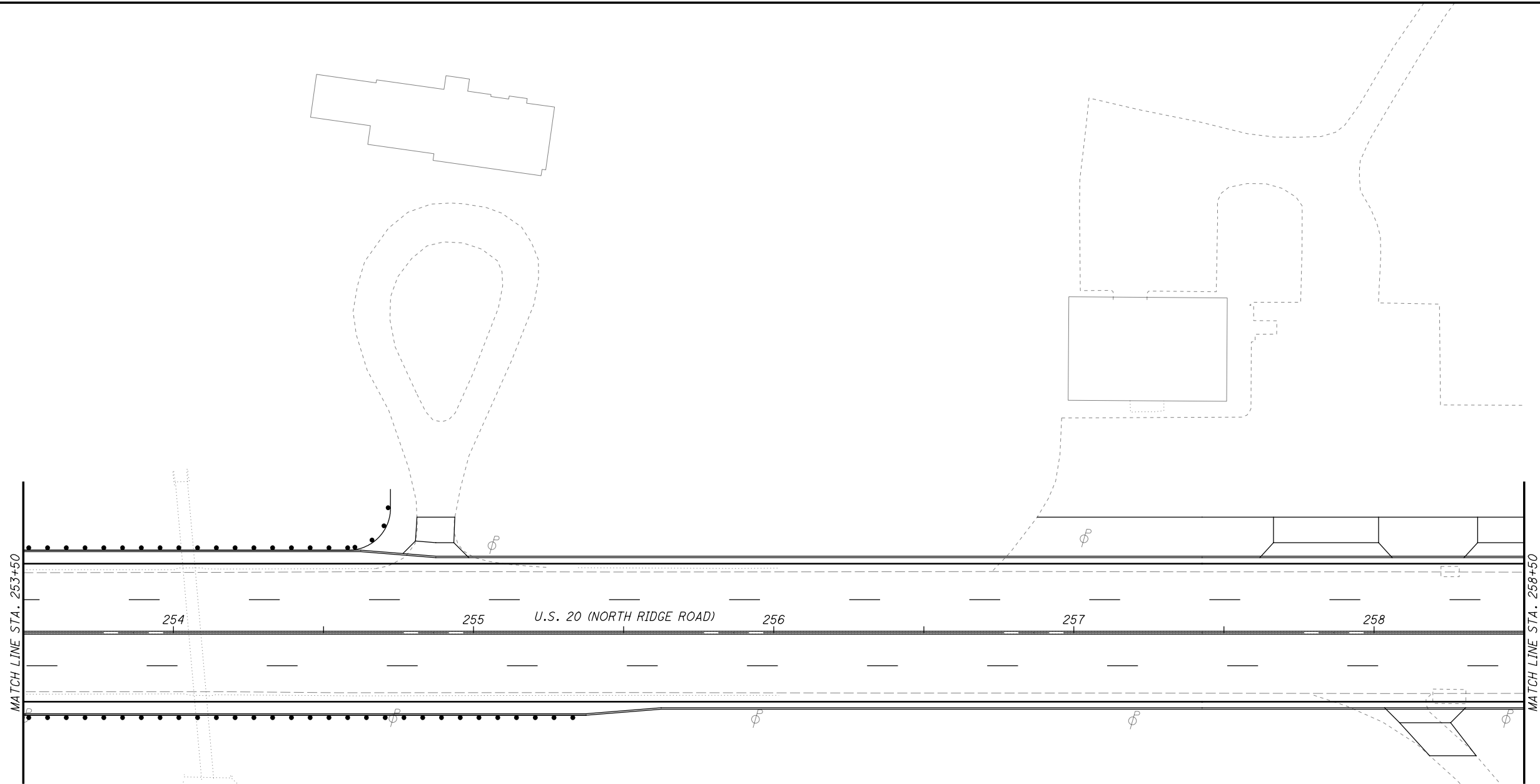


CALCULATED  
JDC  
CHECKED  
EJT

0 10 20 40  
HORIZONTAL SCALE IN FEET

## SIGNING PLAN

### STA. 248+50 TO STA. 253+50



**SIGNING LEGEND**

- EXISTING SIGN TO REMAIN

EXISTING SIGN TO BE REMOVED

X

EXISTING SIGN TO BE REMOVED & RE-ERECTED

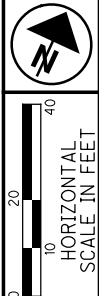
X

LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
- PROPOSED SIGN

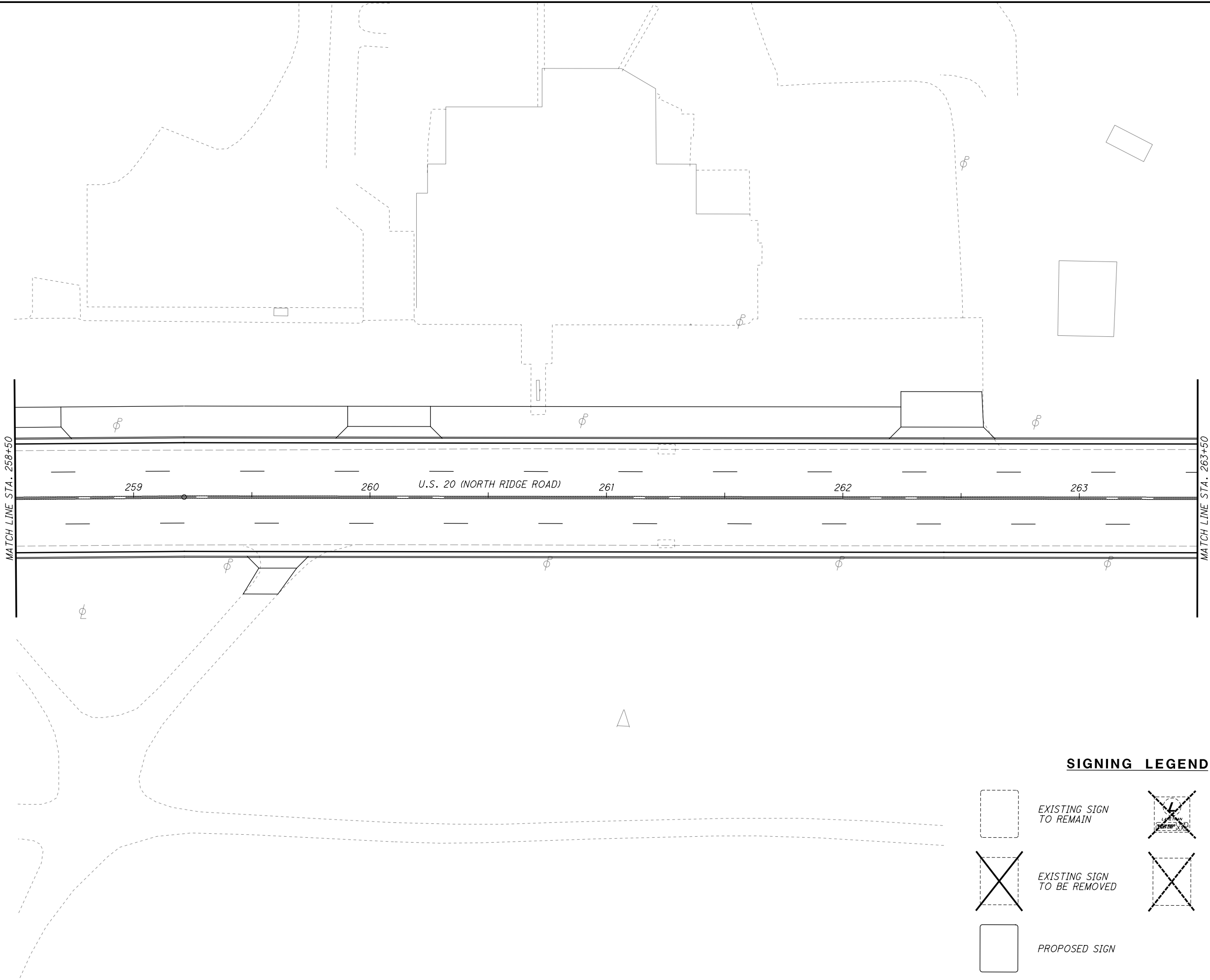
CALCULATED  
JDC  
CHECKED  
EJT

**SIGNING PLAN**  
**STA. 253+50 TO STA. 258+50**



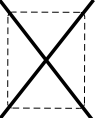

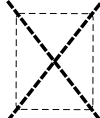
**LAK-US-20-19.59**  
**PART 1**



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**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

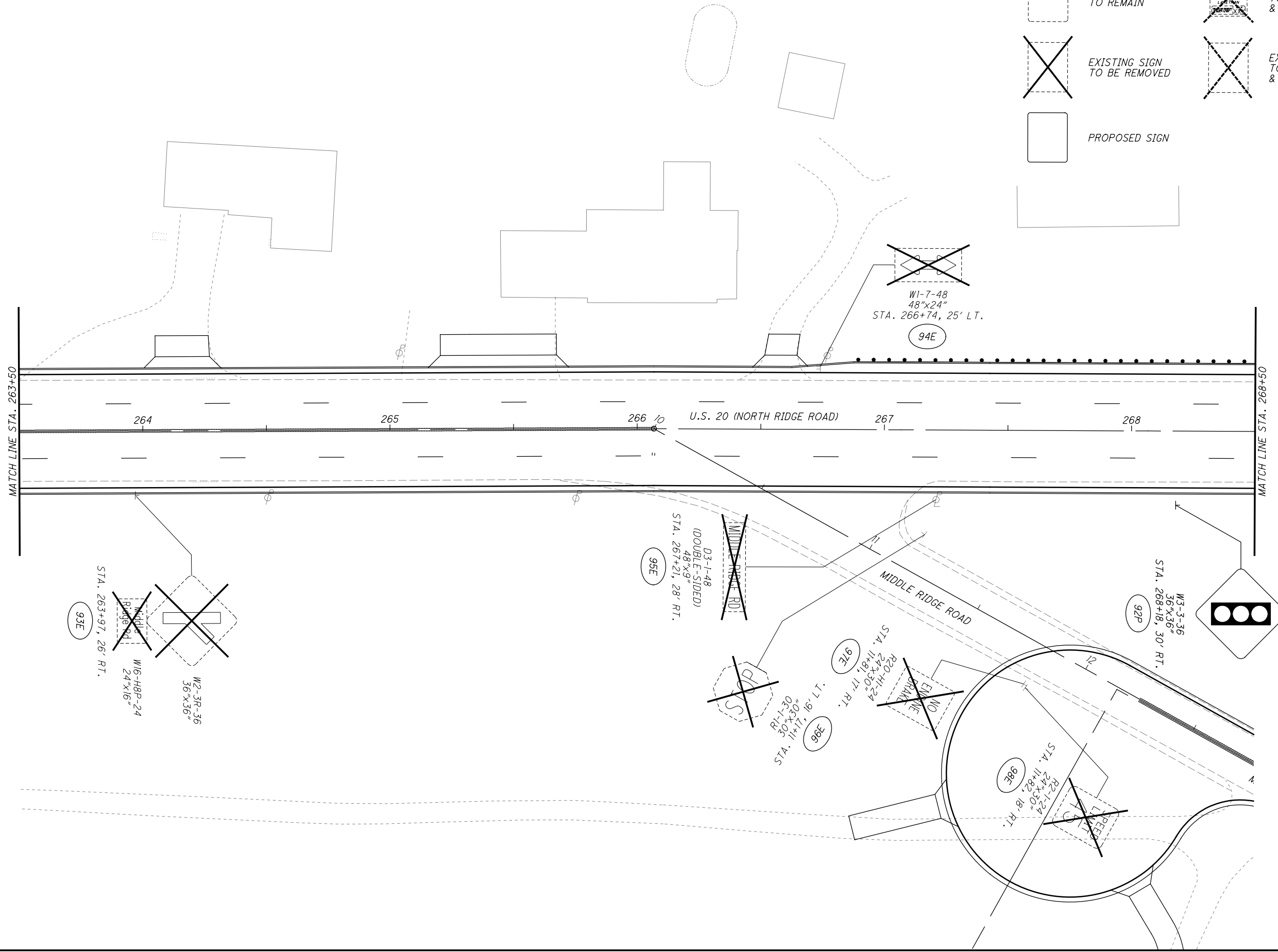
CALCULATED JDC  
CHECKED EJT

0 20 40  
1" = 40'  
HORIZONTAL SCALE IN FEET

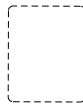
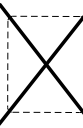


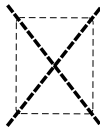
**SIGNING PLAN**  
**STA. 258+50 TO STA. 263+50**

**LAK-US-20-19.59**  
**PART 1**

988  
1253



**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

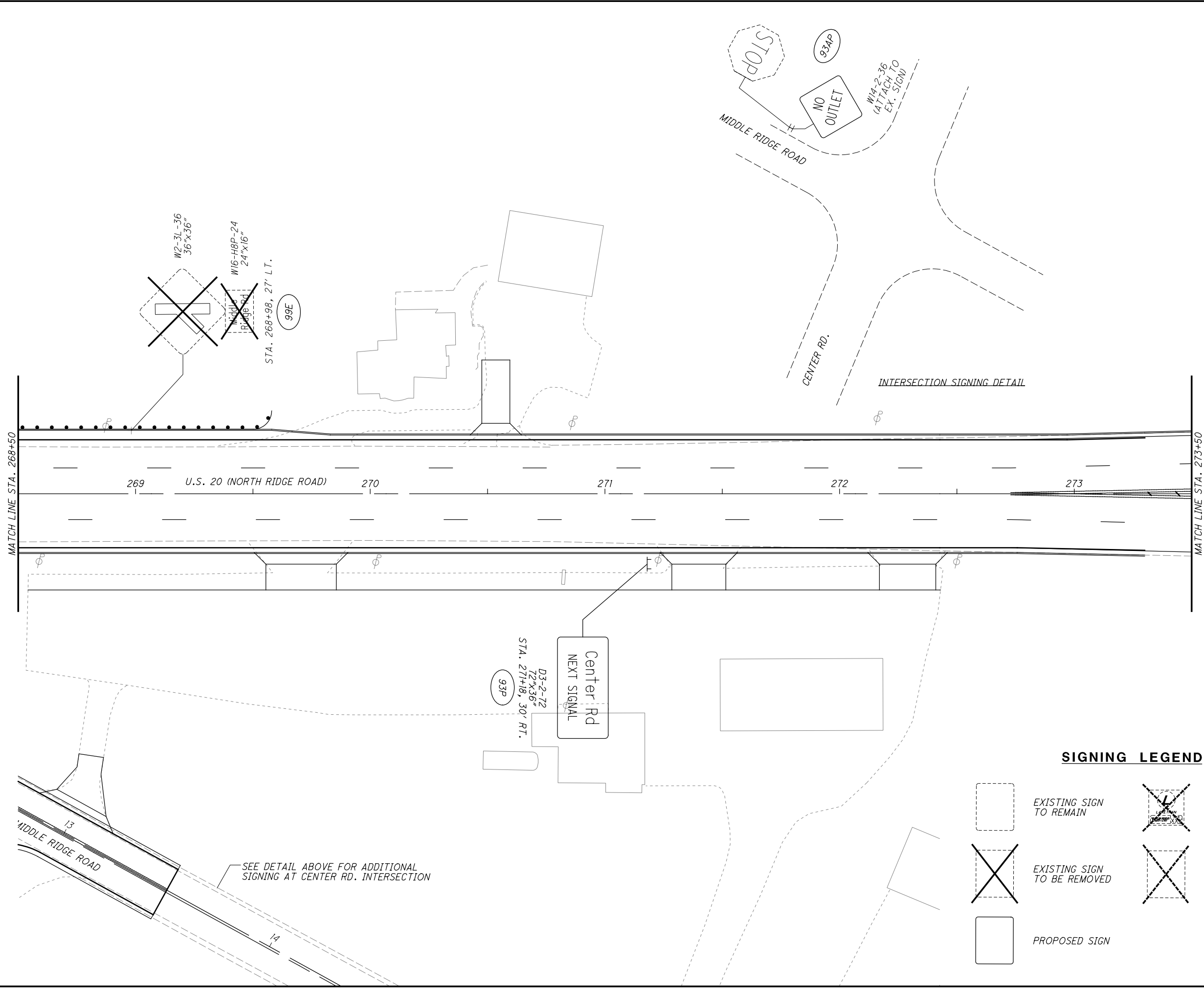
CALCULATED JDC CHECKED EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 263+50 TO STA. 268+50**

**LAK-US-20-19.59**  
**PART 1**





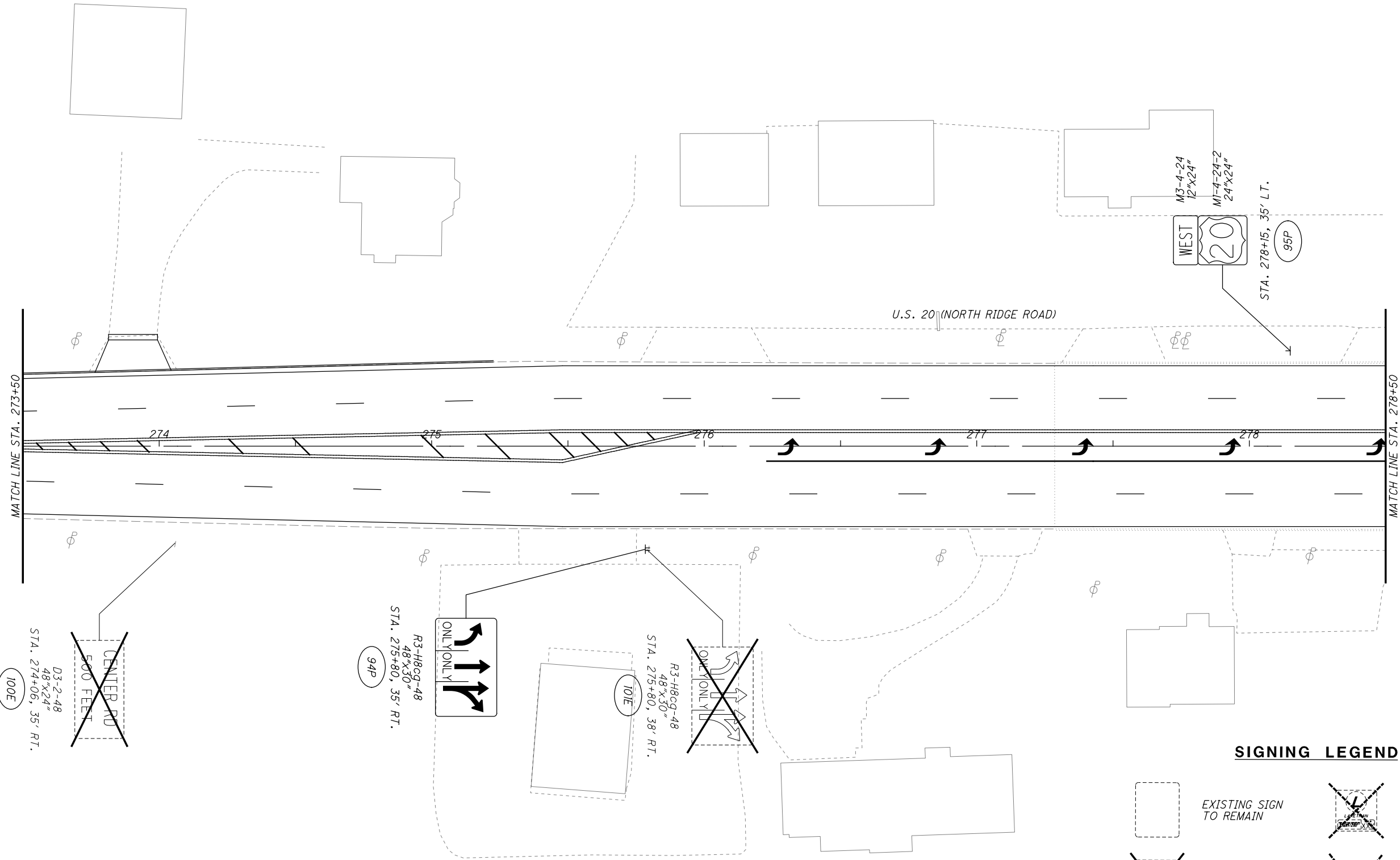
**SIGNING LEGEND**

- |  |                             |  |  |
|--|-----------------------------|--|--|
|  | EXISTING SIGN TO REMAIN     |  | LAKETRAN SIGN TO BE REMOVED & RE-ERECTED |
|  | EXISTING SIGN TO BE REMOVED |  | EXISTING SIGN TO BE REMOVED & RE-ERECTED |
|  | PROPOSED SIGN               |  |  |

CALCULATED  
JDC  
CHECKED  
EJT

0 20 40  
HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 268+50 TO STA. 273+50**



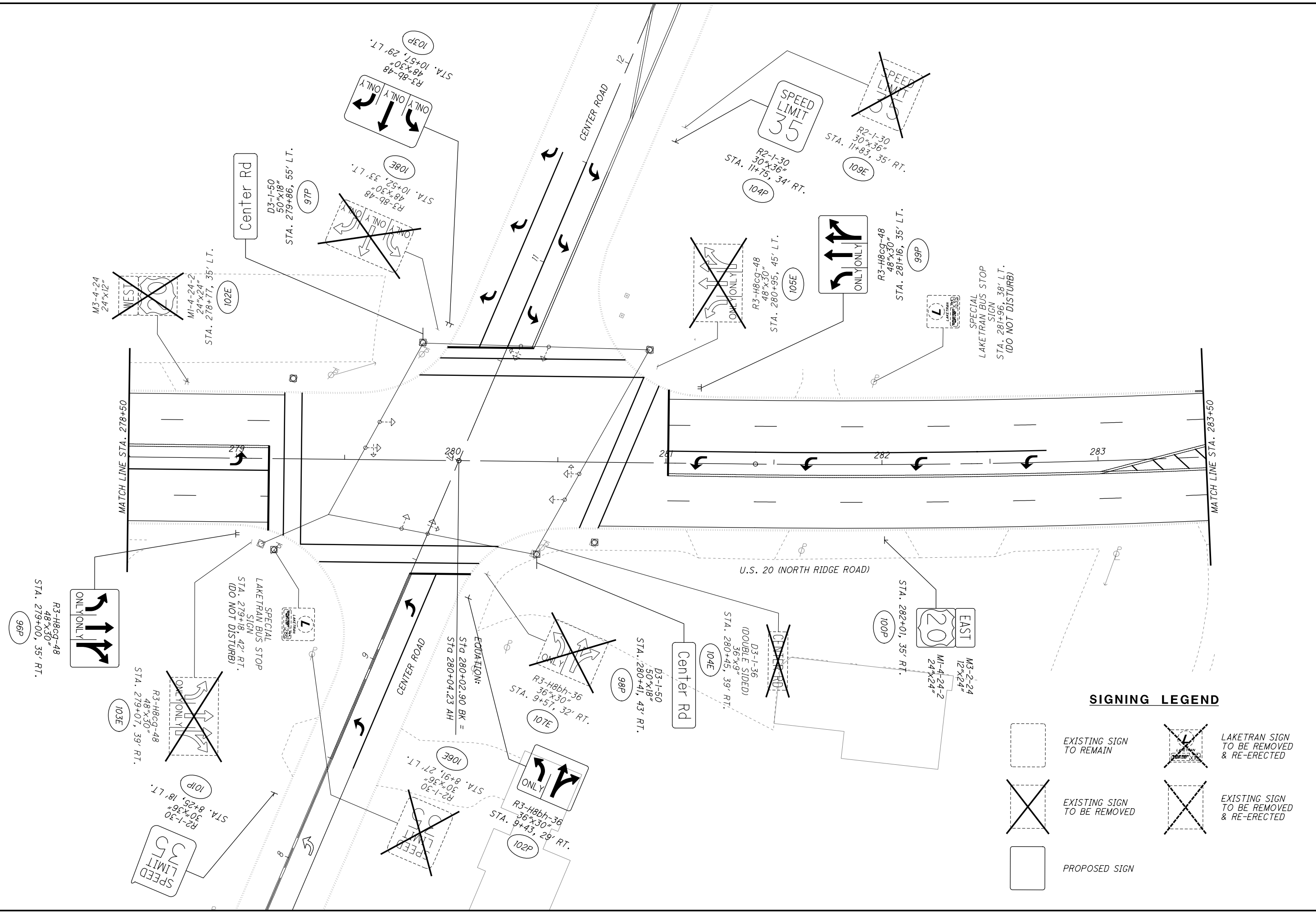
**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		

CALCULATED JDC CHECKED EJT

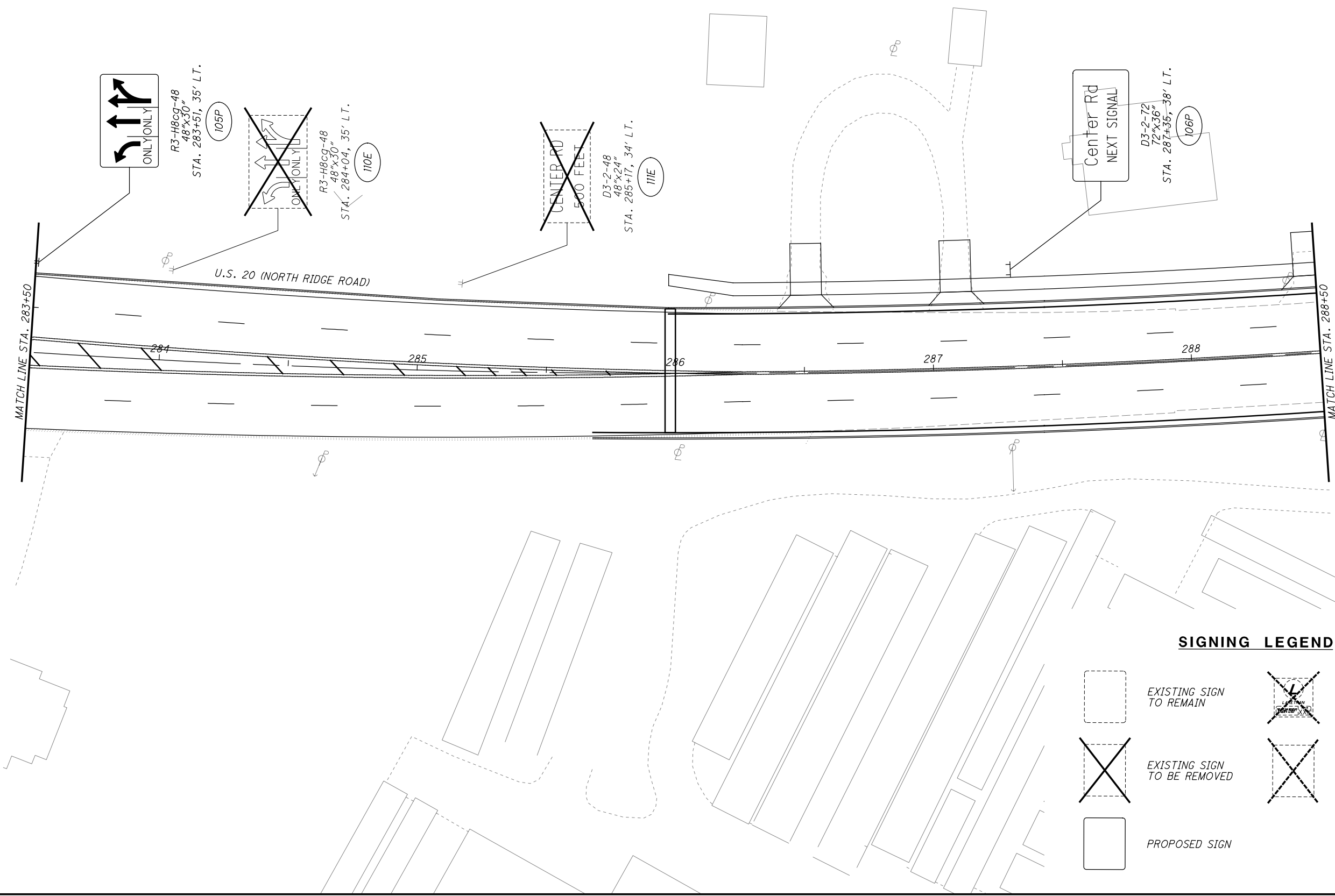
0 20 40  
HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 273+50 TO STA. 278+50**

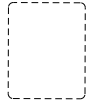
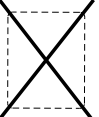
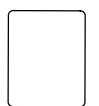

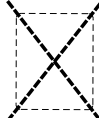


**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		



**SIGNING LEGEND**

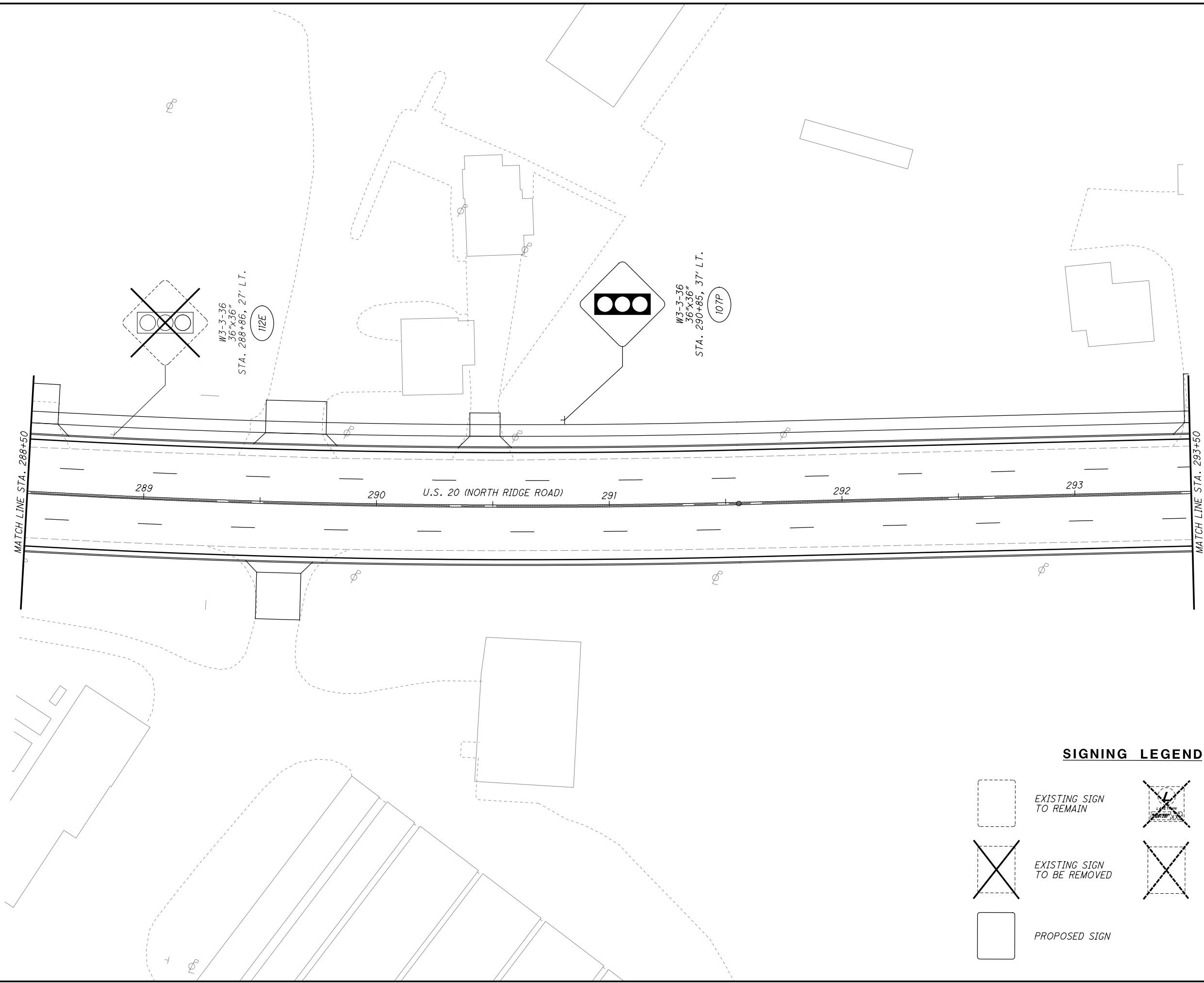
-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC CHECKED EJT


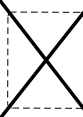


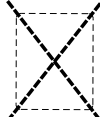
HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 283+50 TO STA. 288+50**

**LAK-US-20-19.59**  
**PART 1**



**SIGNING LEGEND**

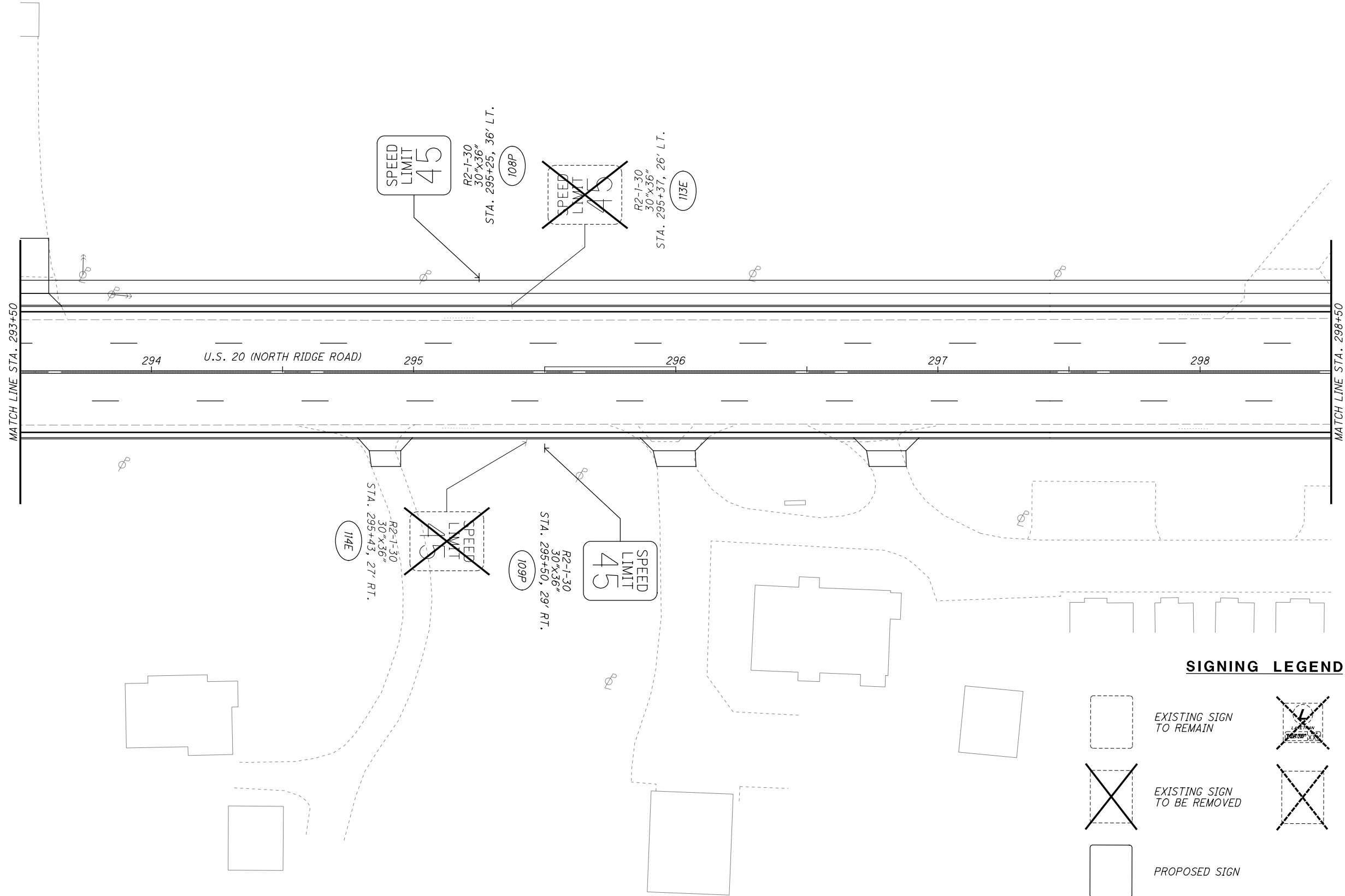
-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC  
CHECKED EJT

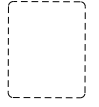

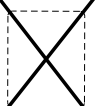
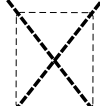
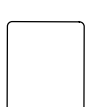



40  
20  
10  
HORIZONTAL  
SCALE IN FEET

**SIGNING PLAN**  
**STA. 288+50 TO STA. 293+50**



**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		

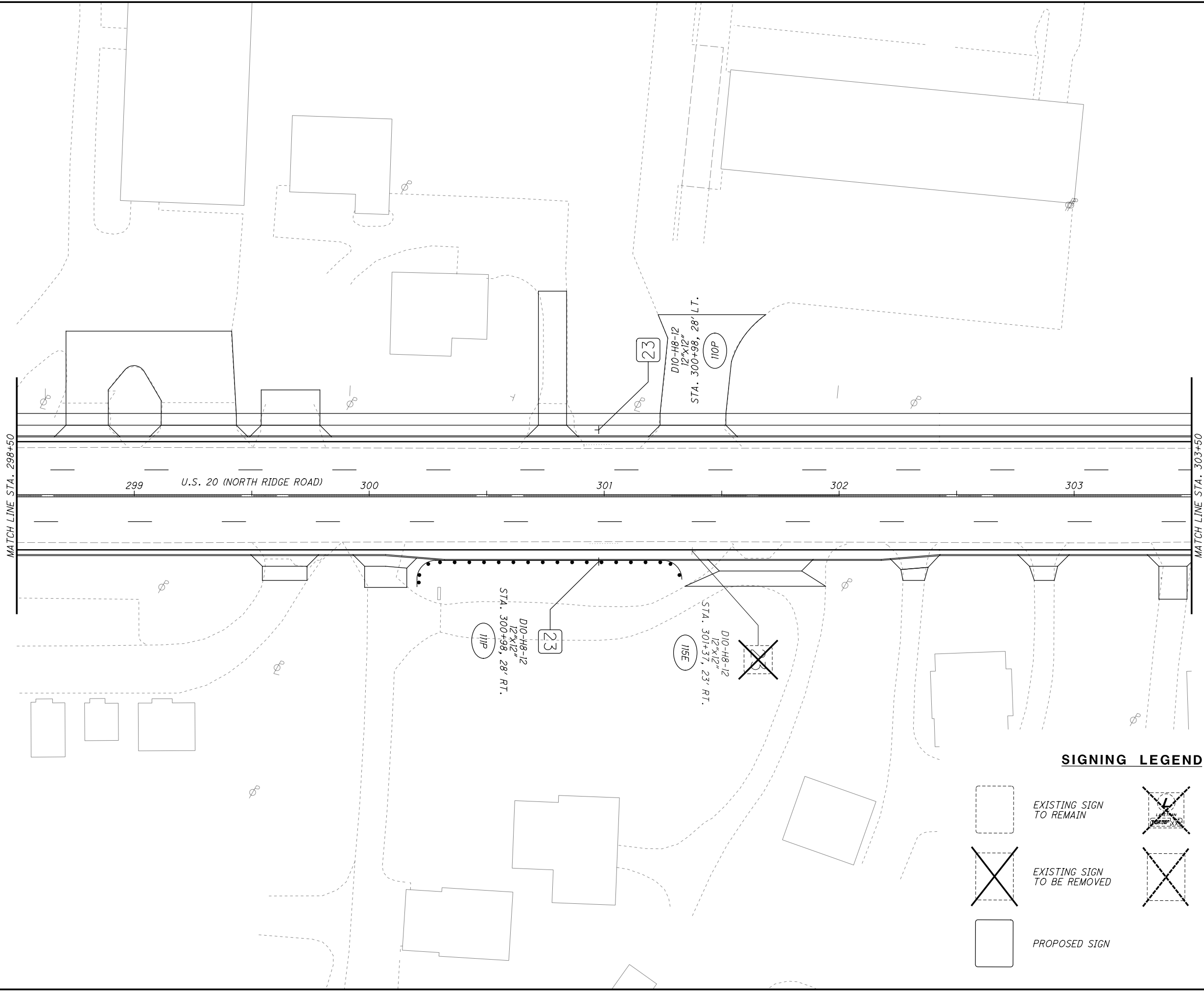
CALCULATED JDC  
CHECKED EJT



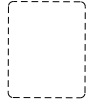

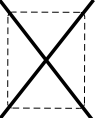

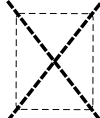

HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 293+50 TO STA. 298+50**

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**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  PROPOSED SIGN
-  EXISTING SIGN TO BE REMOVED
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

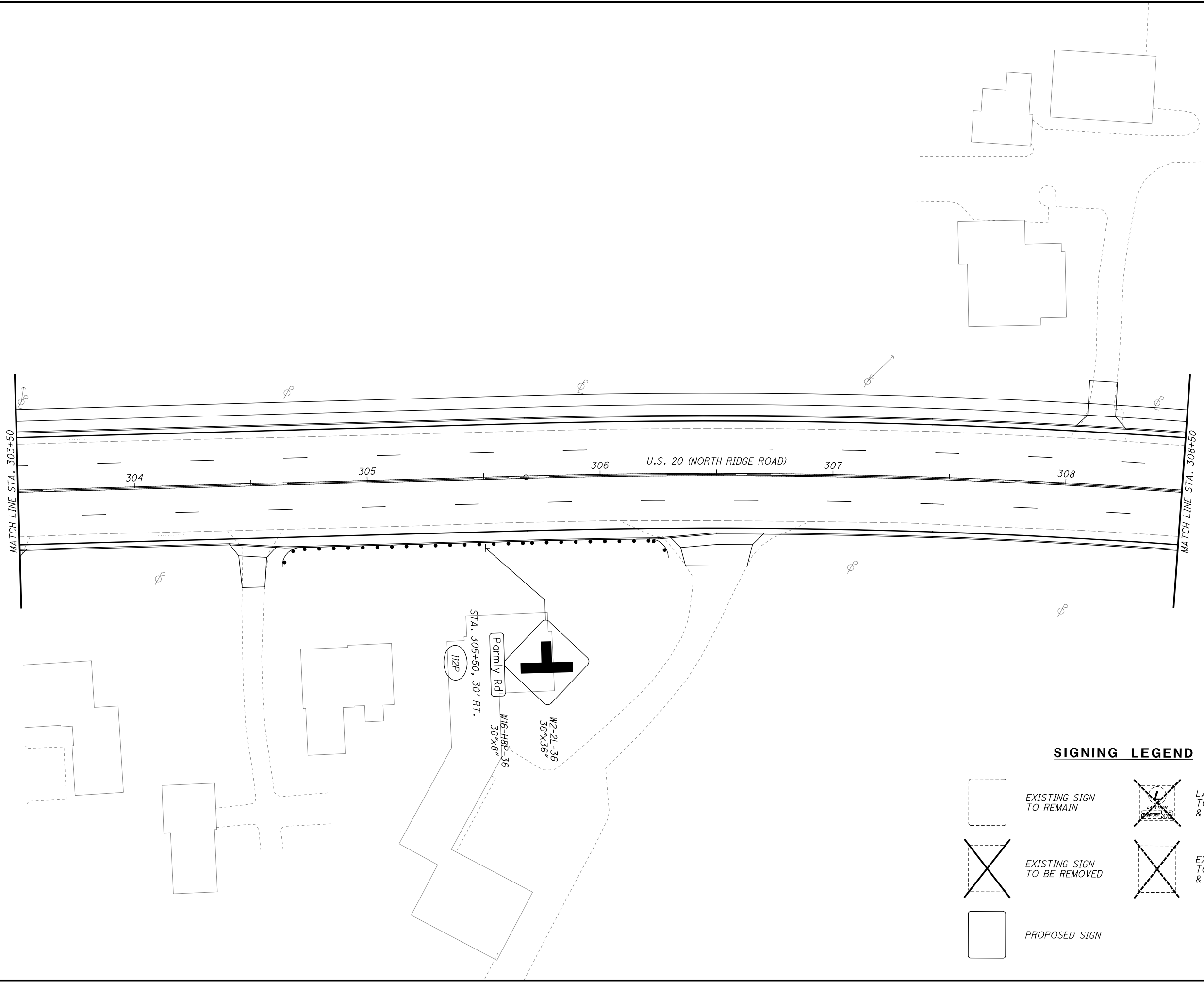
CALCULATED  
JDC  
CHECKED  
EJT

HORIZONTAL SCALE IN FEET



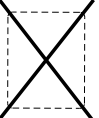
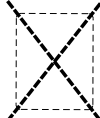

**SIGNING PLAN**  
**STA. 298+50 TO STA. 303+50**

**LAK-US-20-19.59**  
**PART 1**

996  
1253



**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		

CALCULATED  
JDC  
CHECKED  
EJT

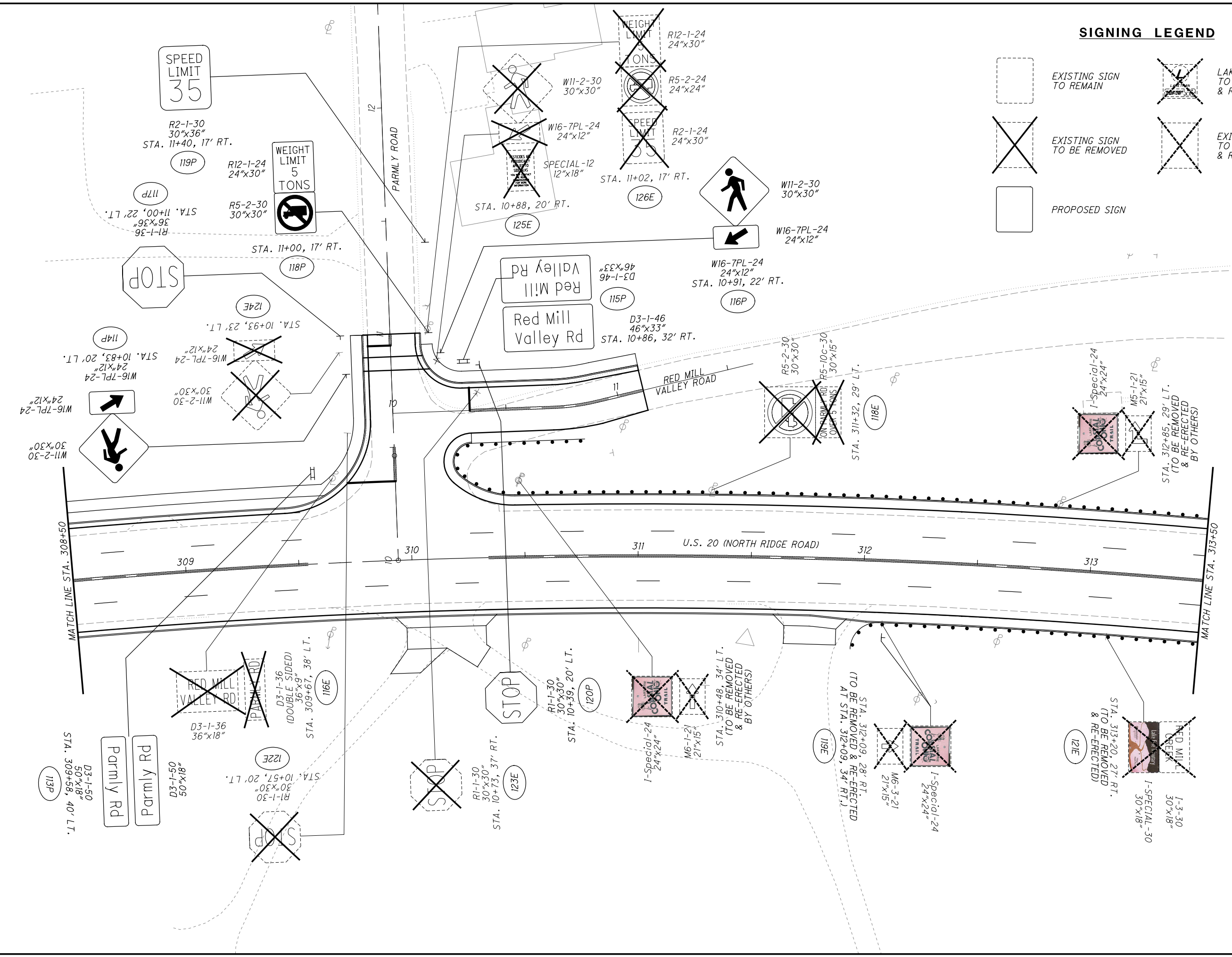
0 20 40  
HORIZONTAL  
SCALE IN FEET



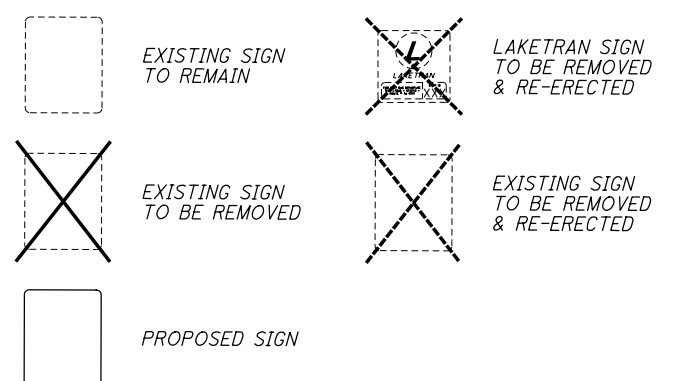
**SIGNING PLAN**  
**STA. 303+50 TO STA. 308+50**



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### SIGNING LEGEND



CALCULATED JDC CHECKED EJT

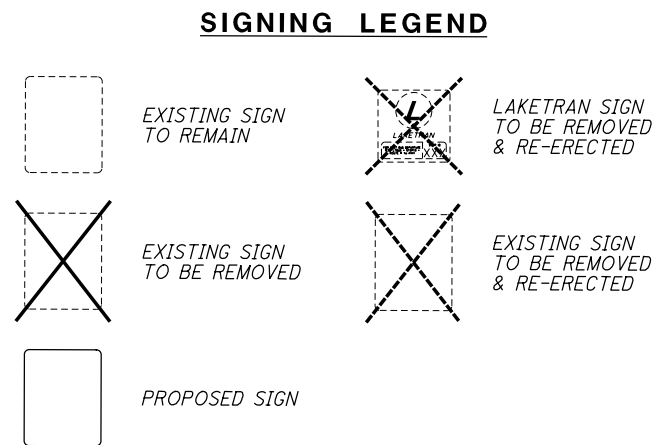
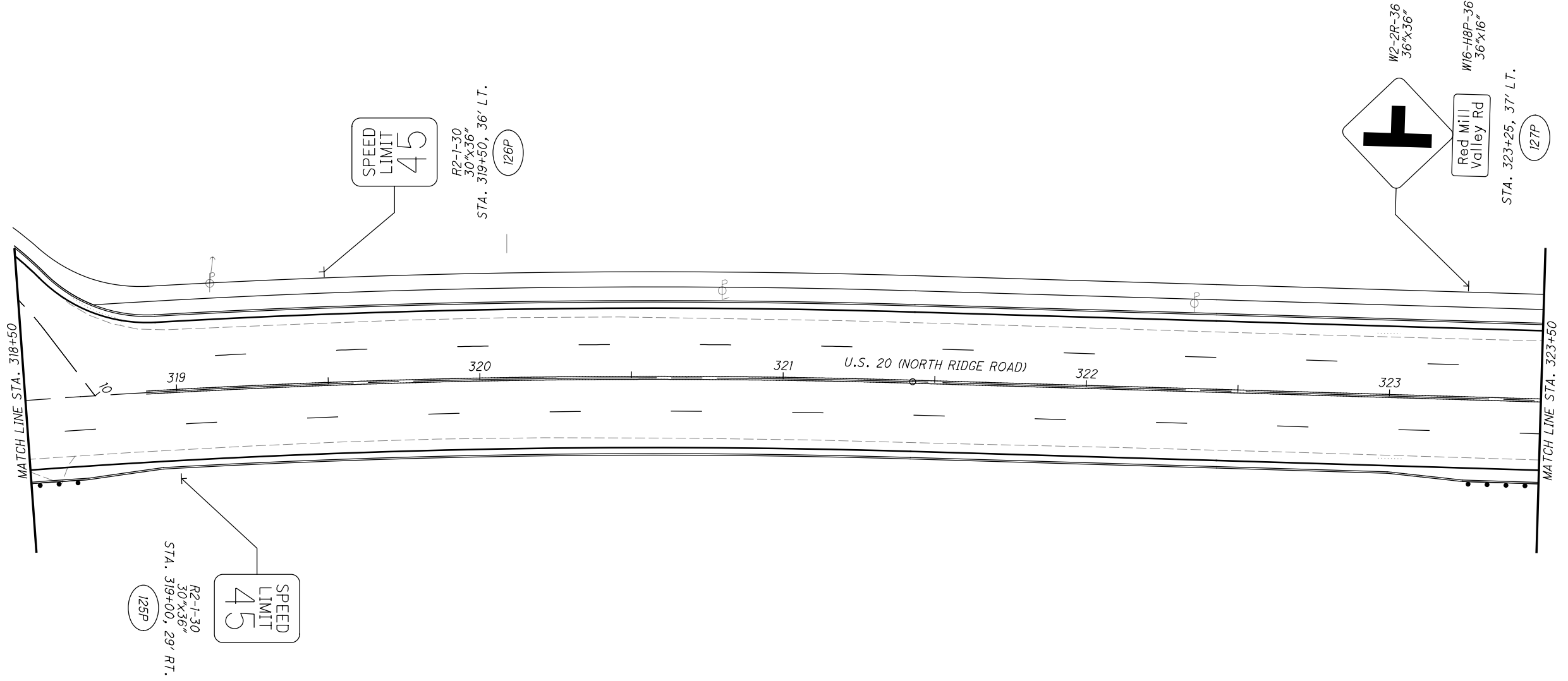
## SIGNING PLAN

### STA. 308+50 TO STA. 313+50

LAK-US-20-19.59  
 PART 1



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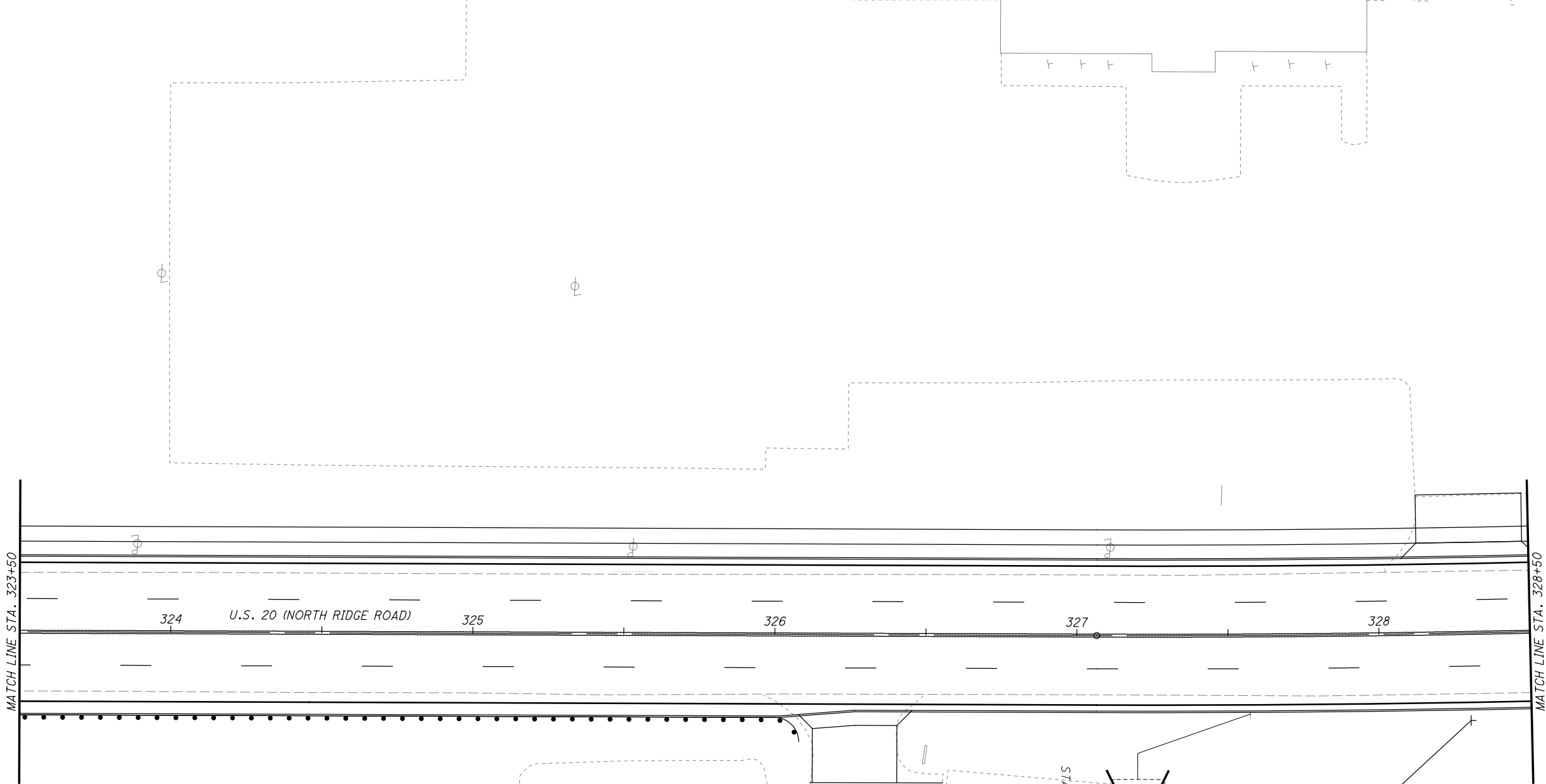
## SIGNING PLAN

### STA. 318+50 TO STA. 323+50






LAK-US-20-19.59  
PART 1

1000  
1253

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**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED  
JDC  
CHECKED  
EJT



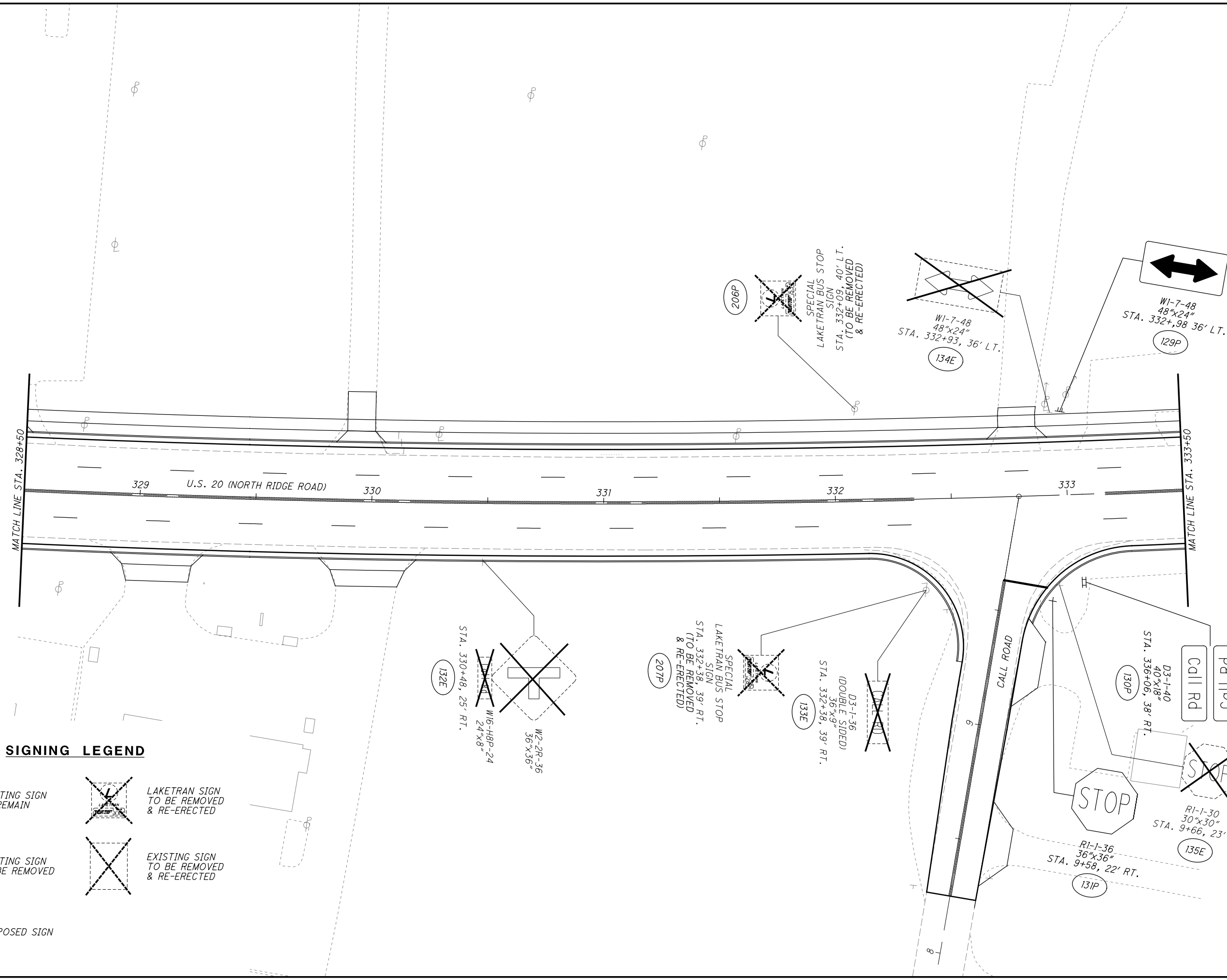

10  
HORIZONTAL  
SCALE IN FEET

**SIGNING PLAN**  
**STA. 323+50 TO STA. 328+50**






**LAK-US-20-19.59**  
**PART 1**

1001  
1253

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**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC CHECKED EJT

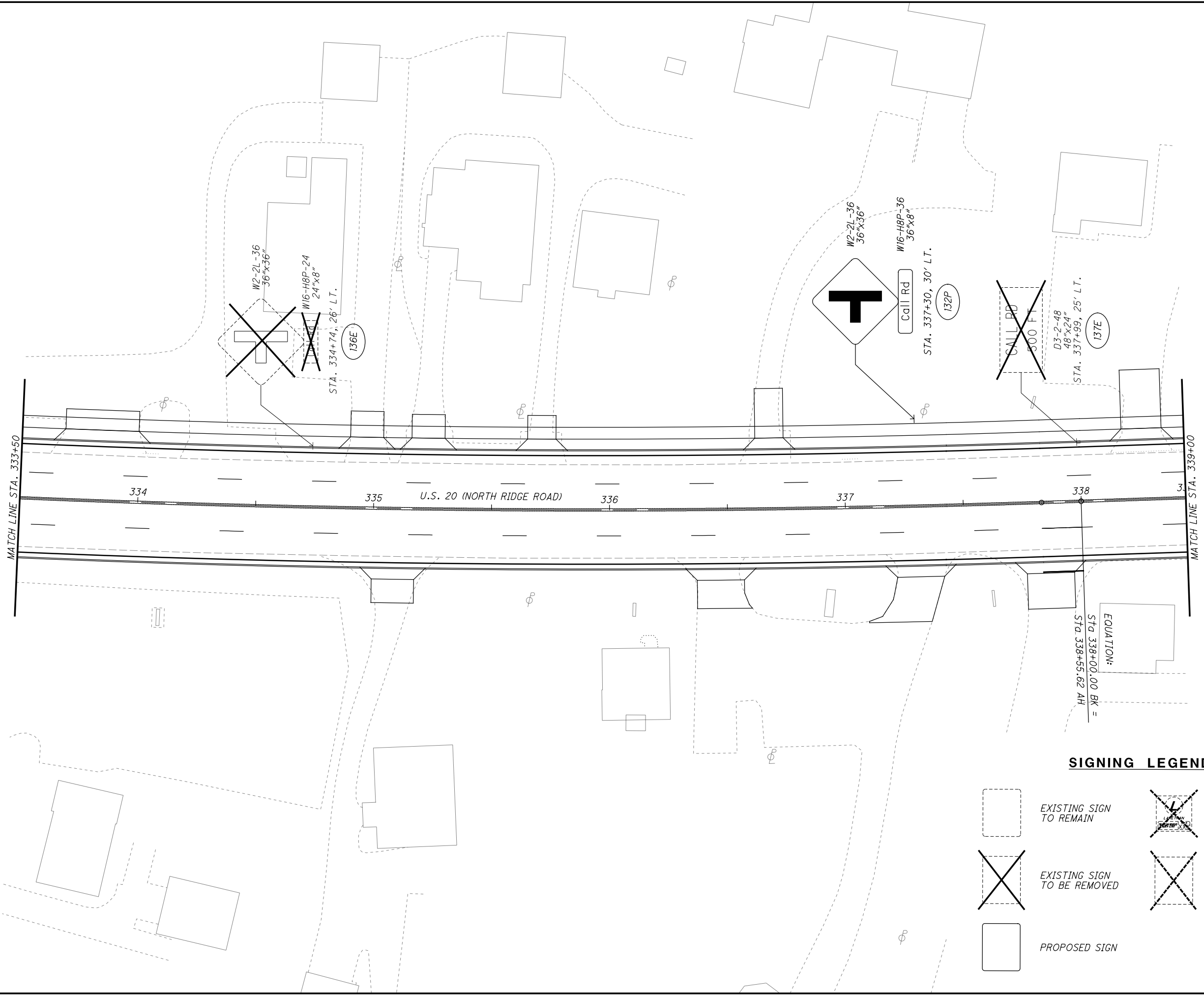



HORIZONTAL SCALE IN FEET

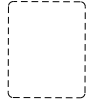

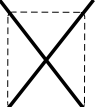
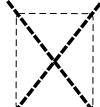
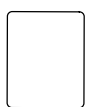
**SIGNING PLAN**  
**STA. 328+50 TO STA. 333+50**

**LAK-US-20-19.59**  
**PART 1**

1002  
1253



**SIGNING LEGEND**

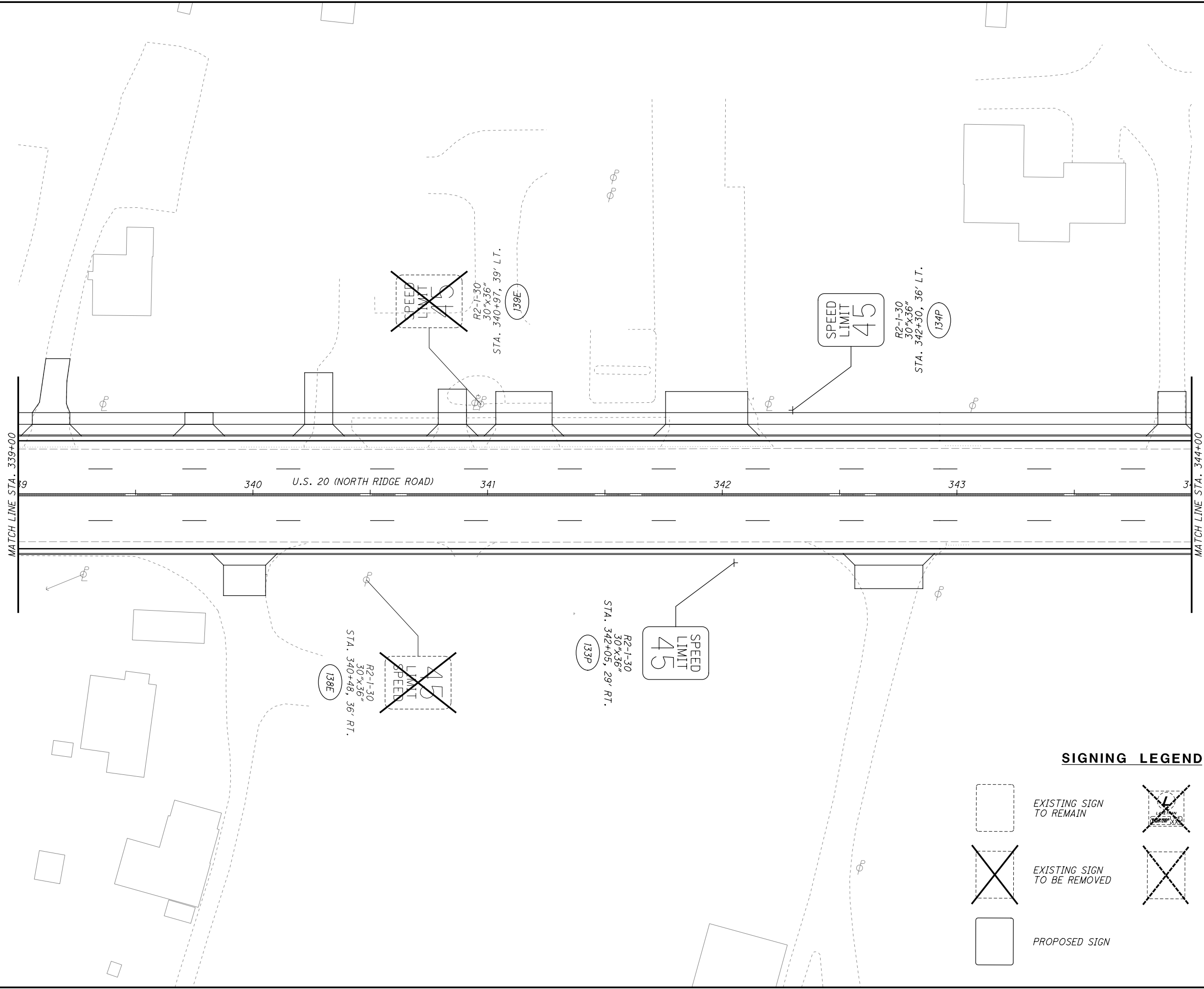
- |   |                             |   |  |
|---|-----------------------------|---|--|
|  | EXISTING SIGN TO REMAIN     |  | LAKETRAN SIGN TO BE REMOVED & RE-ERECTED |
|  | EXISTING SIGN TO BE REMOVED |  | EXISTING SIGN TO BE REMOVED & RE-ERECTED |
|  | PROPOSED SIGN               |   |  |

CALCULATED JDC  
CHECKED EJT



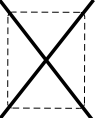

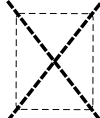



HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 333+50 TO STA. 339+00**



**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  PROPOSED SIGN
-  EXISTING SIGN TO BE REMOVED
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC  
CHECKED EJT

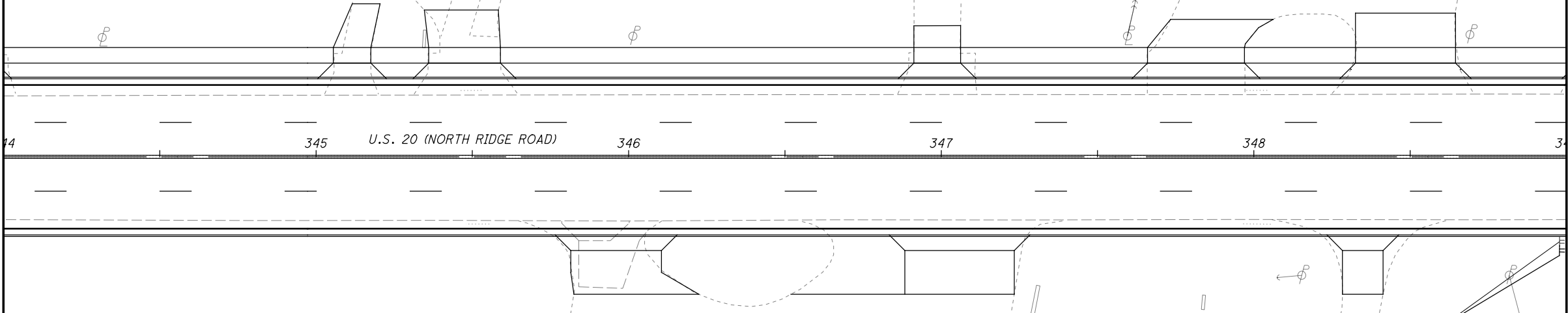



HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 339+00 TO STA. 344+00**



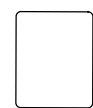

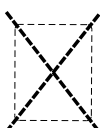
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MATCH LINE STA. 344+00



MATCH LINE STA. 349+00

**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED  
JDC  
CHECKED  
EJT




HORIZONTAL SCALE IN FEET

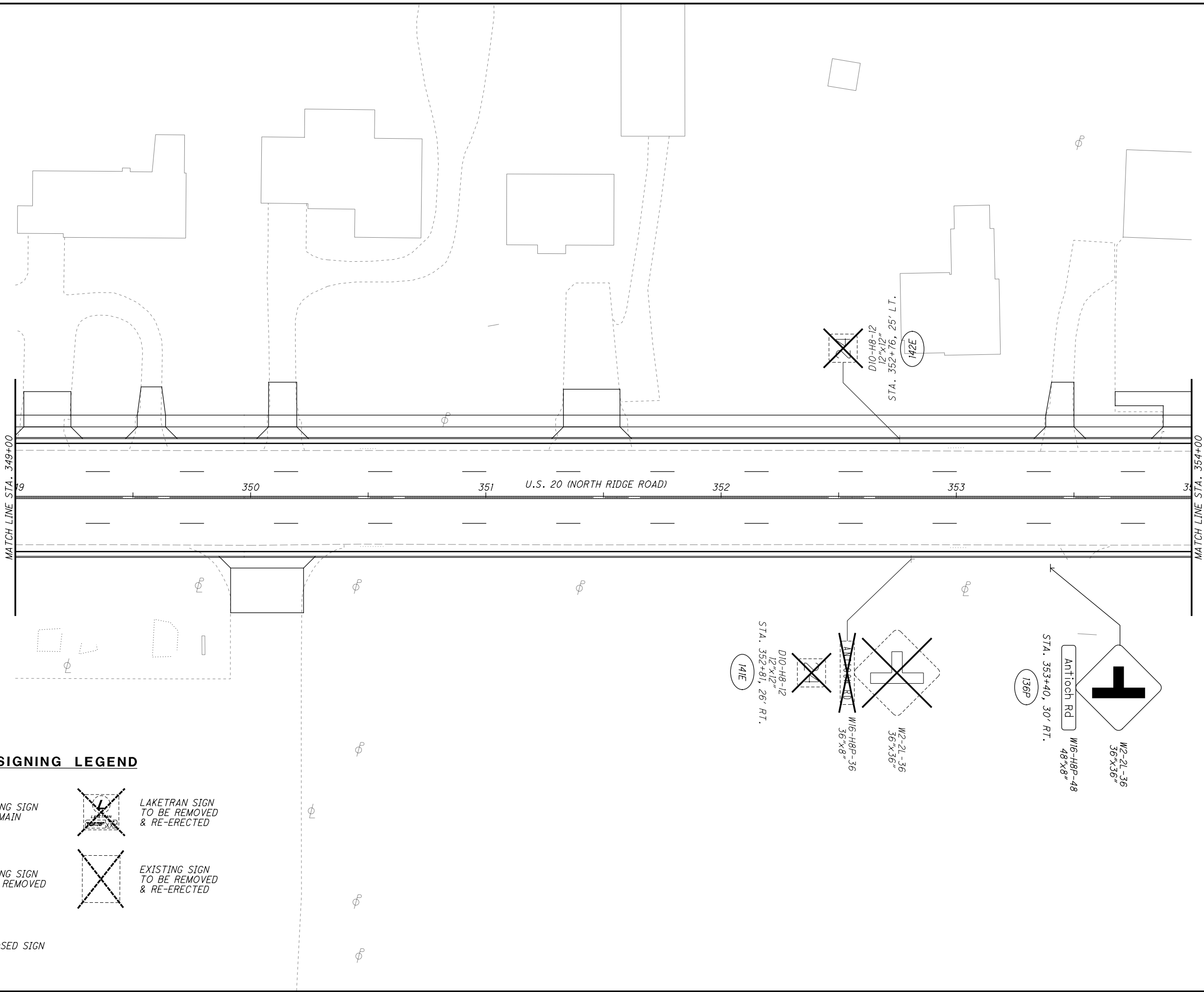
**SIGNING PLAN**  
**STA. 344+00 TO STA. 349+00**

**LAK-US-20-19.59**  
**PART 1**

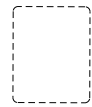
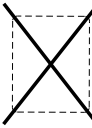
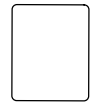


1005  
1253



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**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED



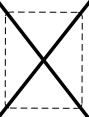
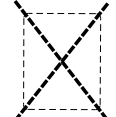
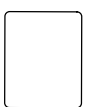
CALCULATED JDC  
CHECKED EJT

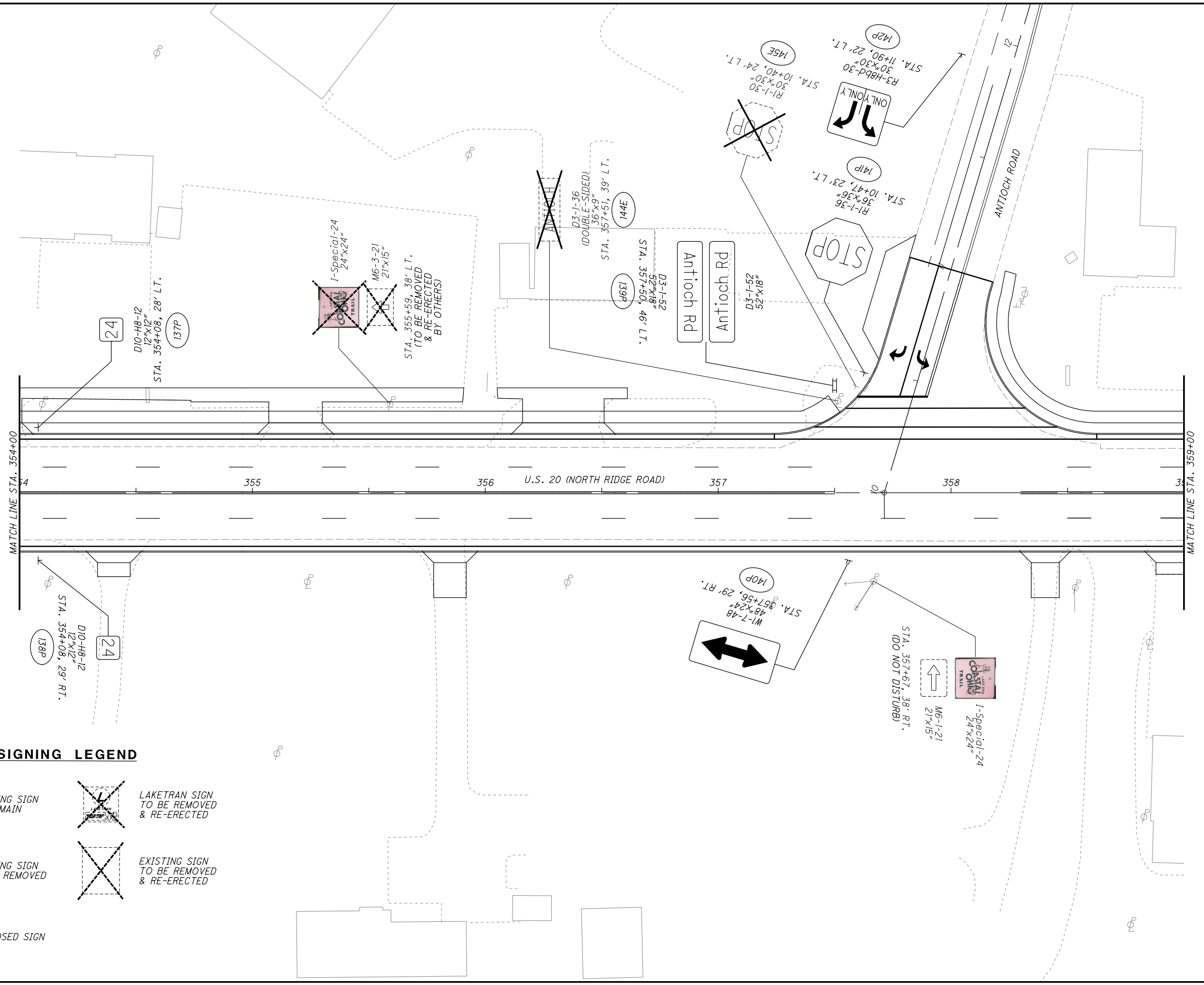


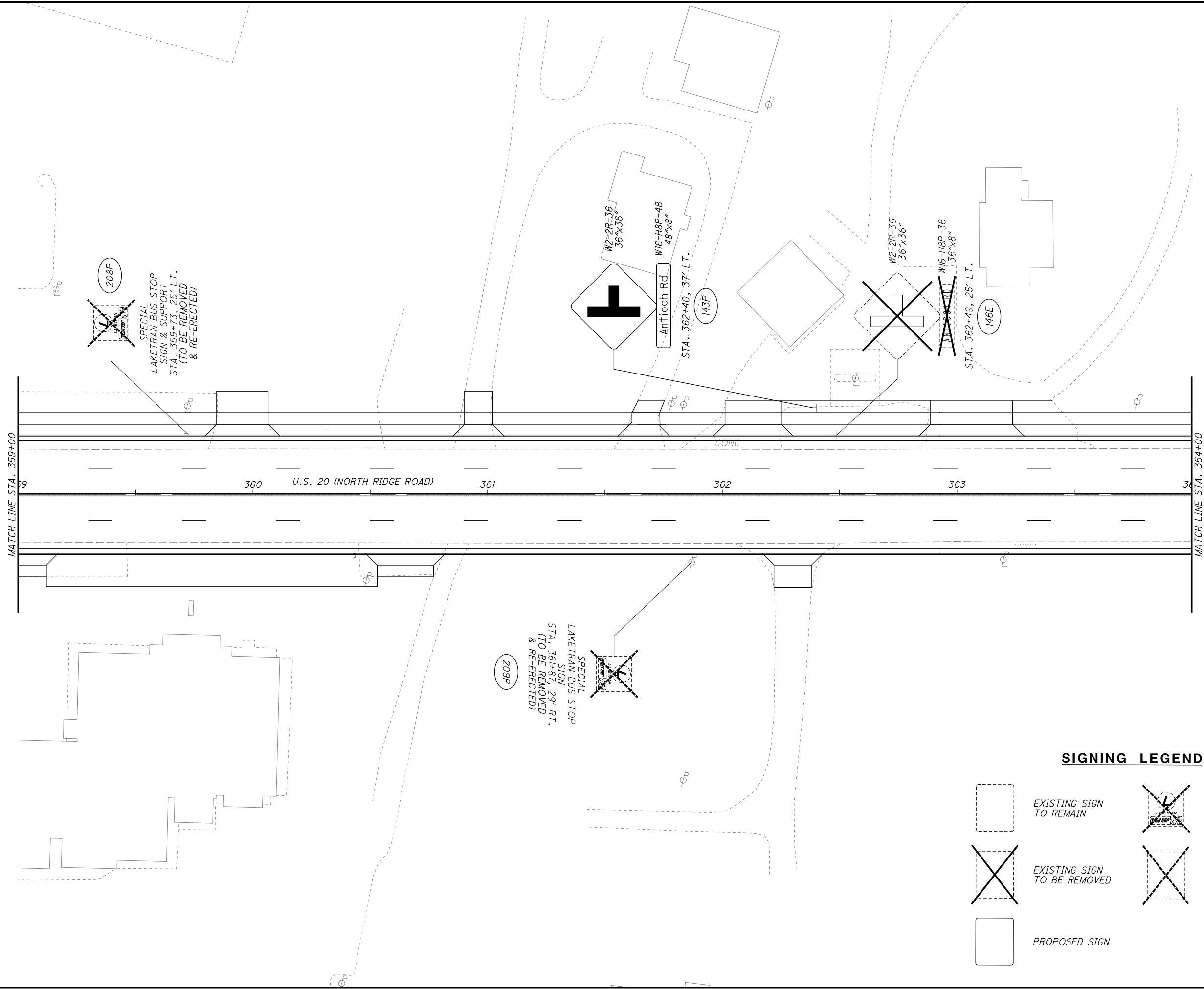
10 HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 349+00 TO STA. 354+00**

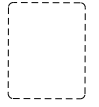
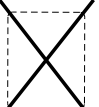
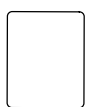

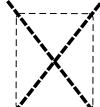
**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		





**SIGNING LEGEND**

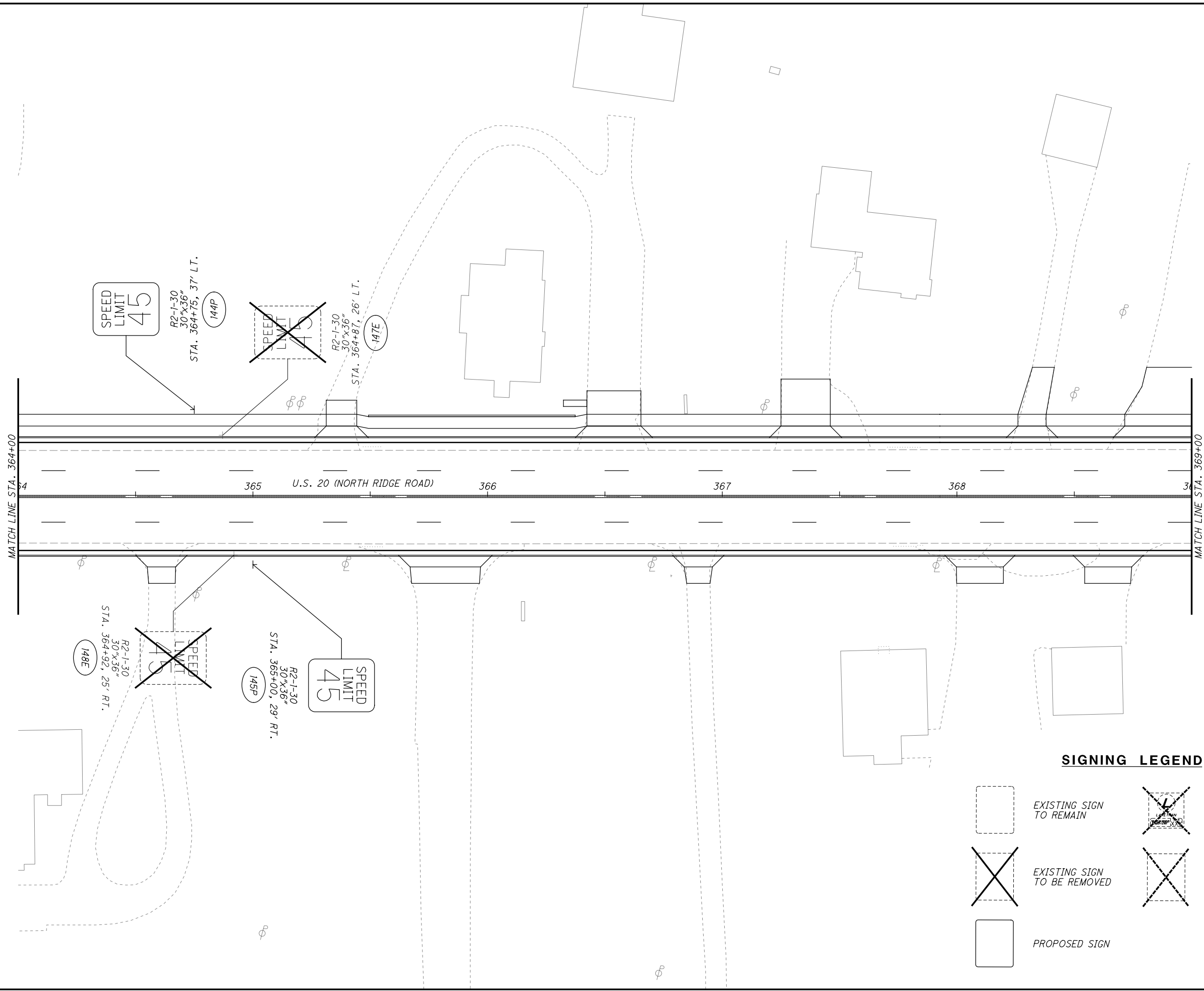
-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC  
CHECKED EJT

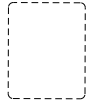
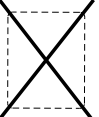
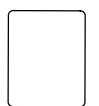

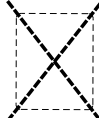


HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 359+00 TO STA. 364+00**



**SIGNING LEGEND**

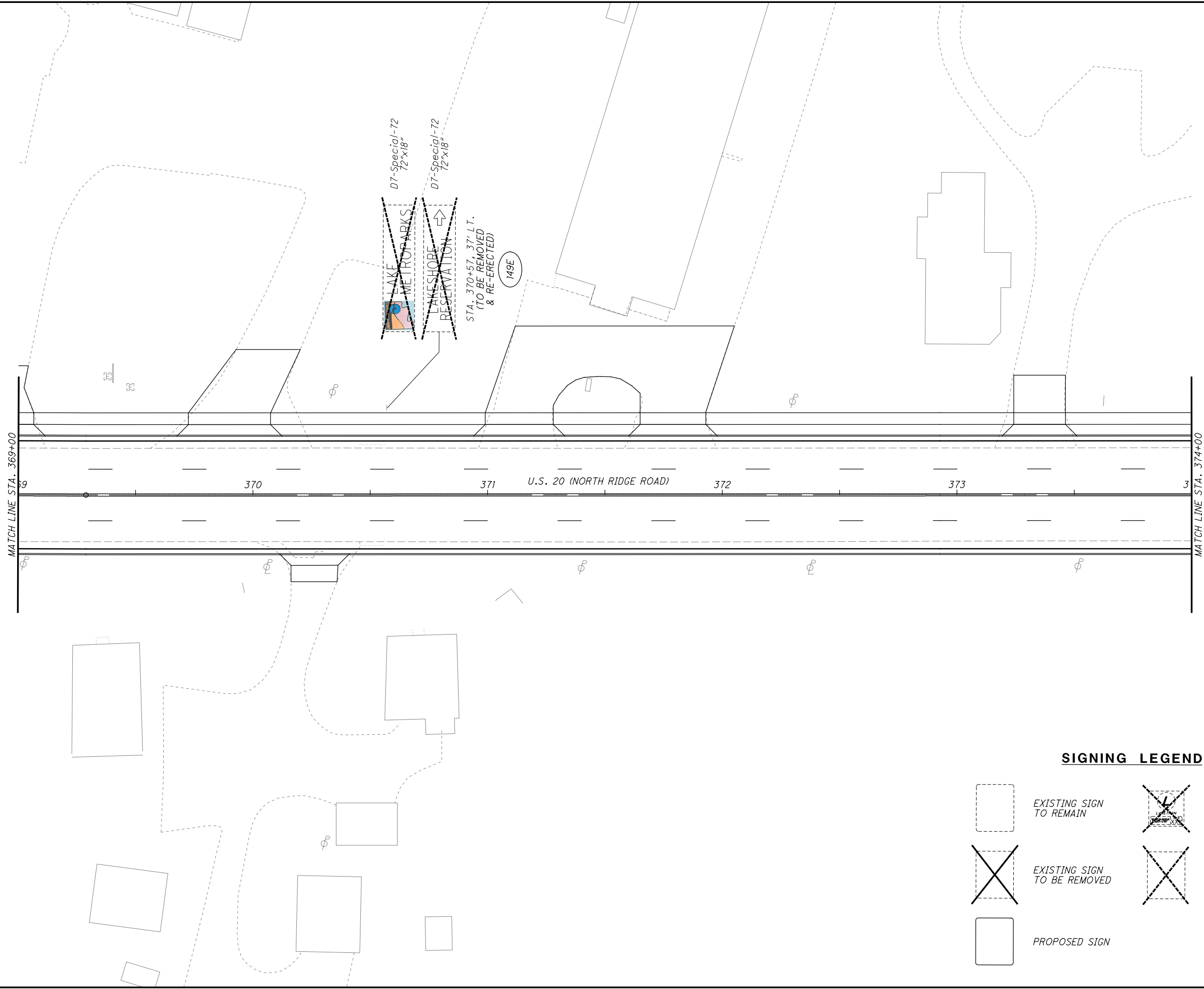
-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC  
CHECKED EJT



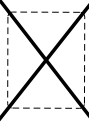
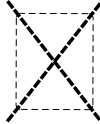




HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 364+00 TO STA. 369+00**



**SIGNING LEGEND**

- |   |                             |   |  |
|---|-----------------------------|---|--|
|  | EXISTING SIGN TO REMAIN     |  | LAKETRAN SIGN TO BE REMOVED & RE-ERECTED |
|  | EXISTING SIGN TO BE REMOVED |  | EXISTING SIGN TO BE REMOVED & RE-ERECTED |
|  | PROPOSED SIGN               |   |  |

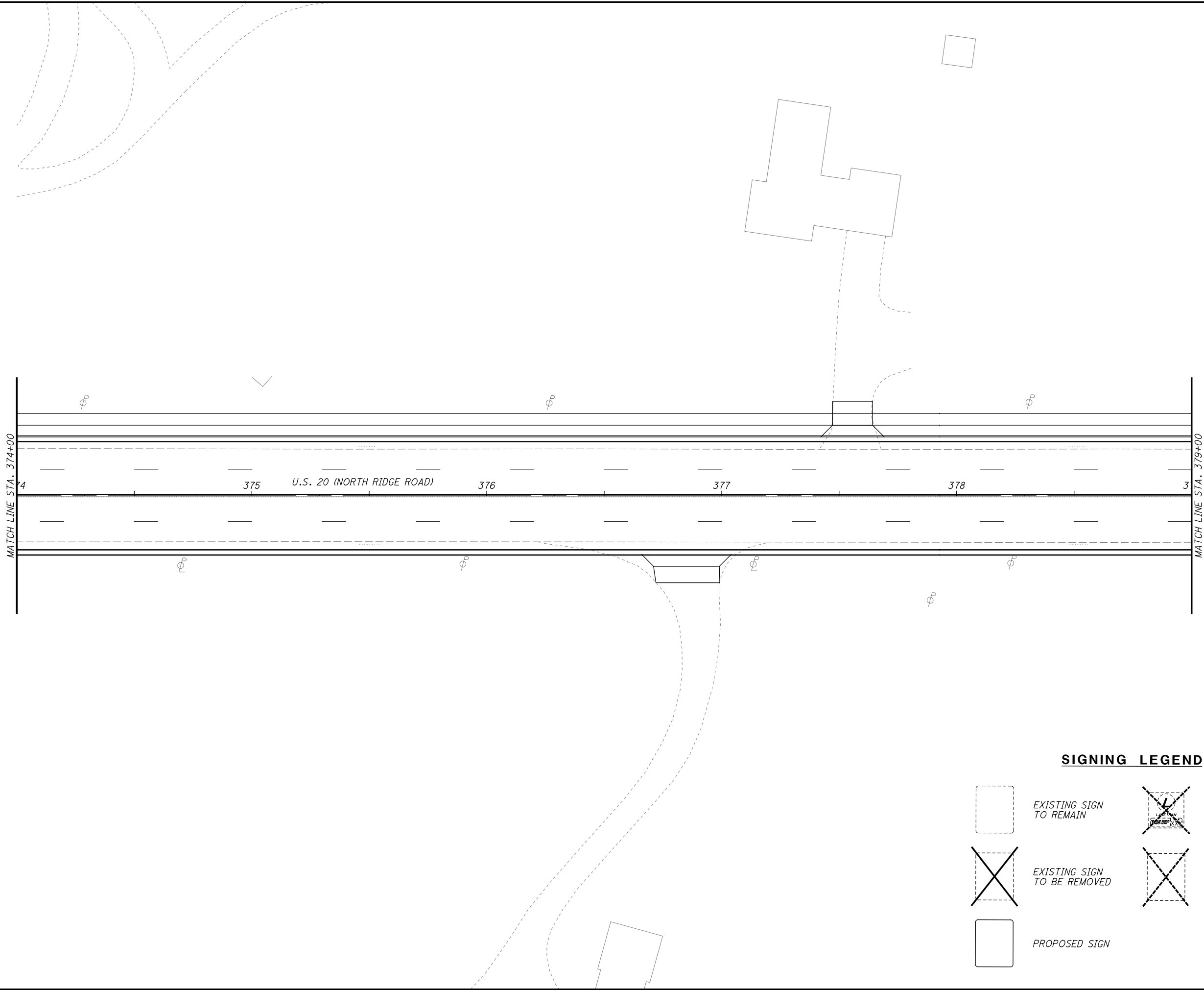
CALCULATED JDC CHECKED EJT



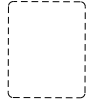
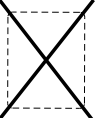
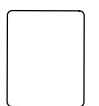

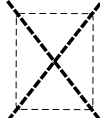

0 20 40  
HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 369+00 TO STA. 374+00**

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**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC CHECKED EJT

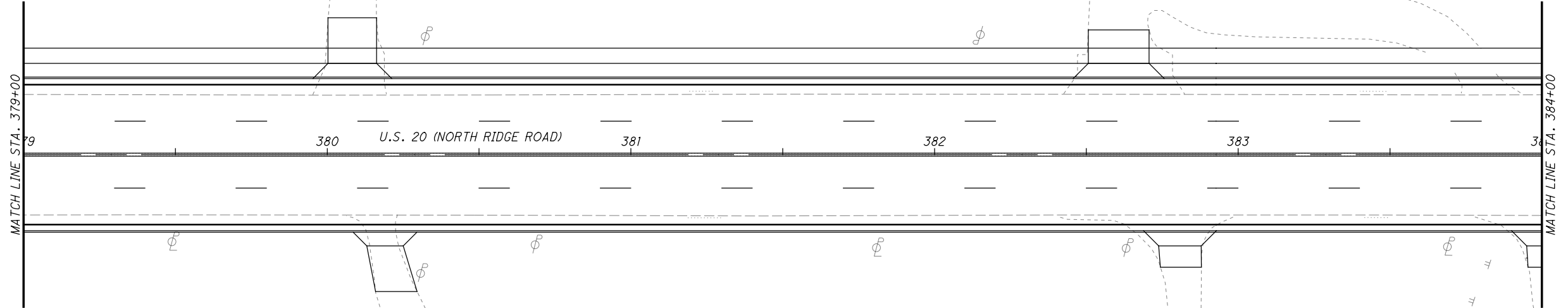



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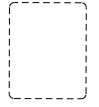
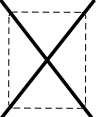


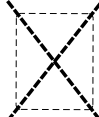
**SIGNING PLAN**  
**STA. 374+00 TO STA. 379+00**

**LAK-US-20-19.59**  
**PART 1**

1011  
1253



**SIGNING LEGEND**

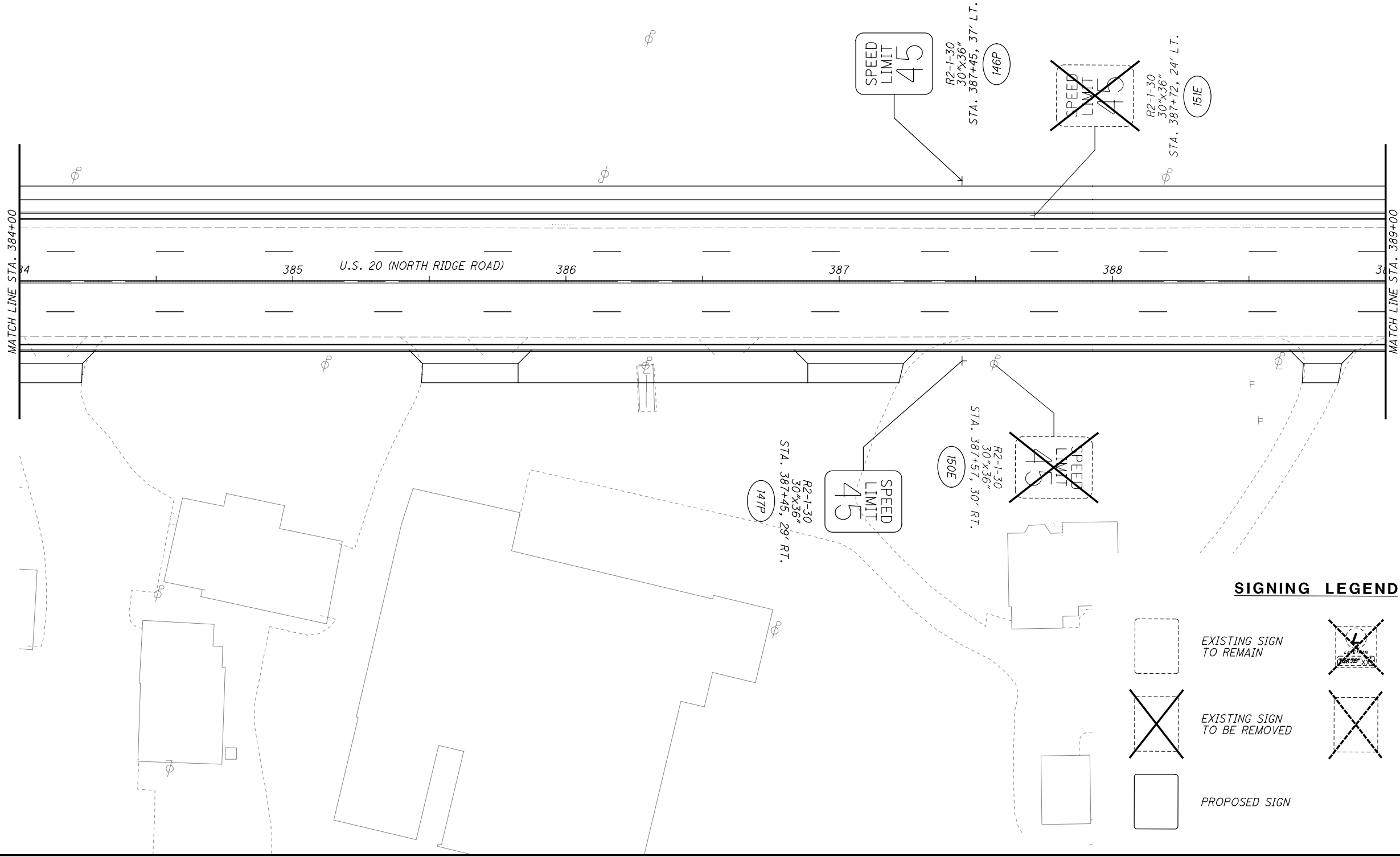
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-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC  
CHECKED EJT

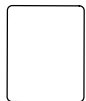







HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 379+00 TO STA. 384+00**



**SIGNING LEGEND**

-  PROPOSED SIGN
-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED  
JDC  
CHECKED  
EJT



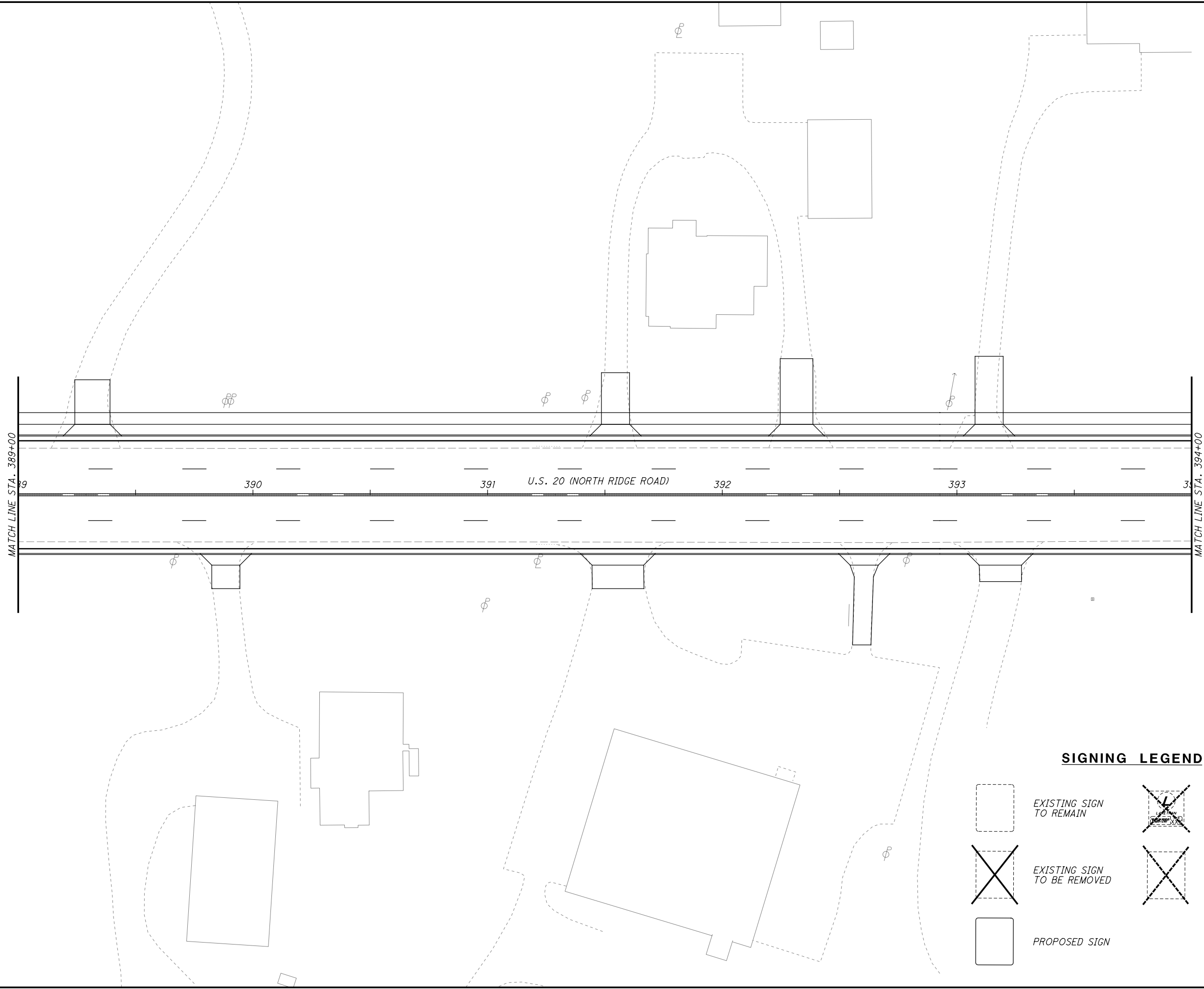

HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 384+00 TO STA. 389+00**

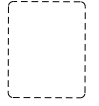
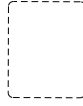
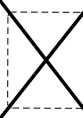

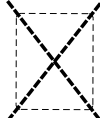
**LAK-US-20-19.59**  
**PART 1**



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**SIGNING LEGEND**

-  PROPOSED SIGN
-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

CALCULATED JDC  
CHECKED EJT



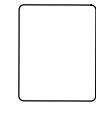

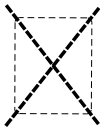
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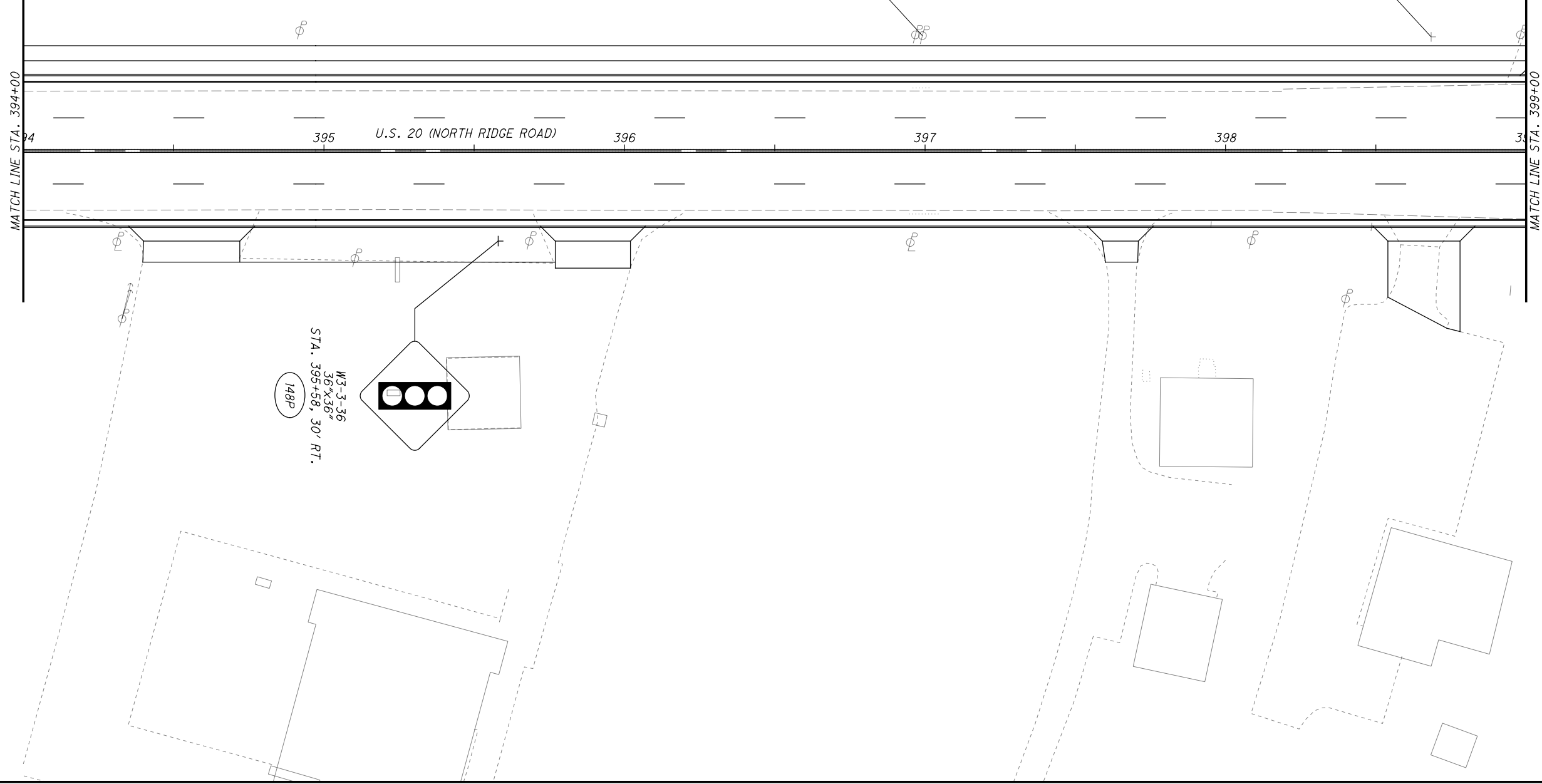
**SIGNING PLAN**  
**STA. 389+00 TO STA. 394+00**

**LAK-US-20-19.59**  
**PART 1**

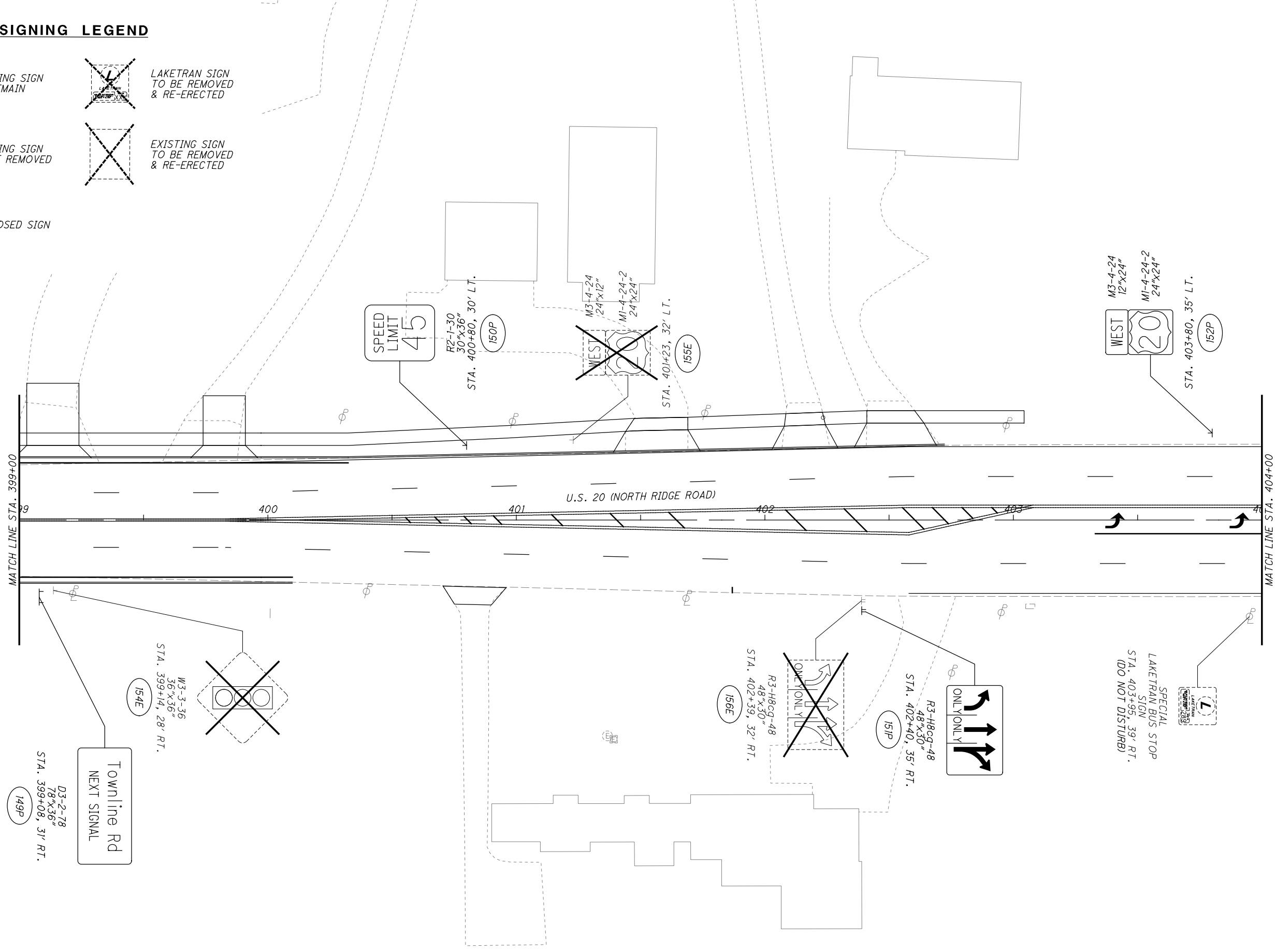
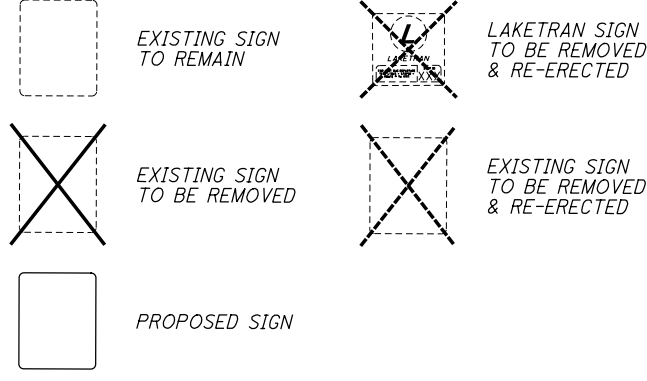
1014  
1253

### SIGNING LEGEND

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED



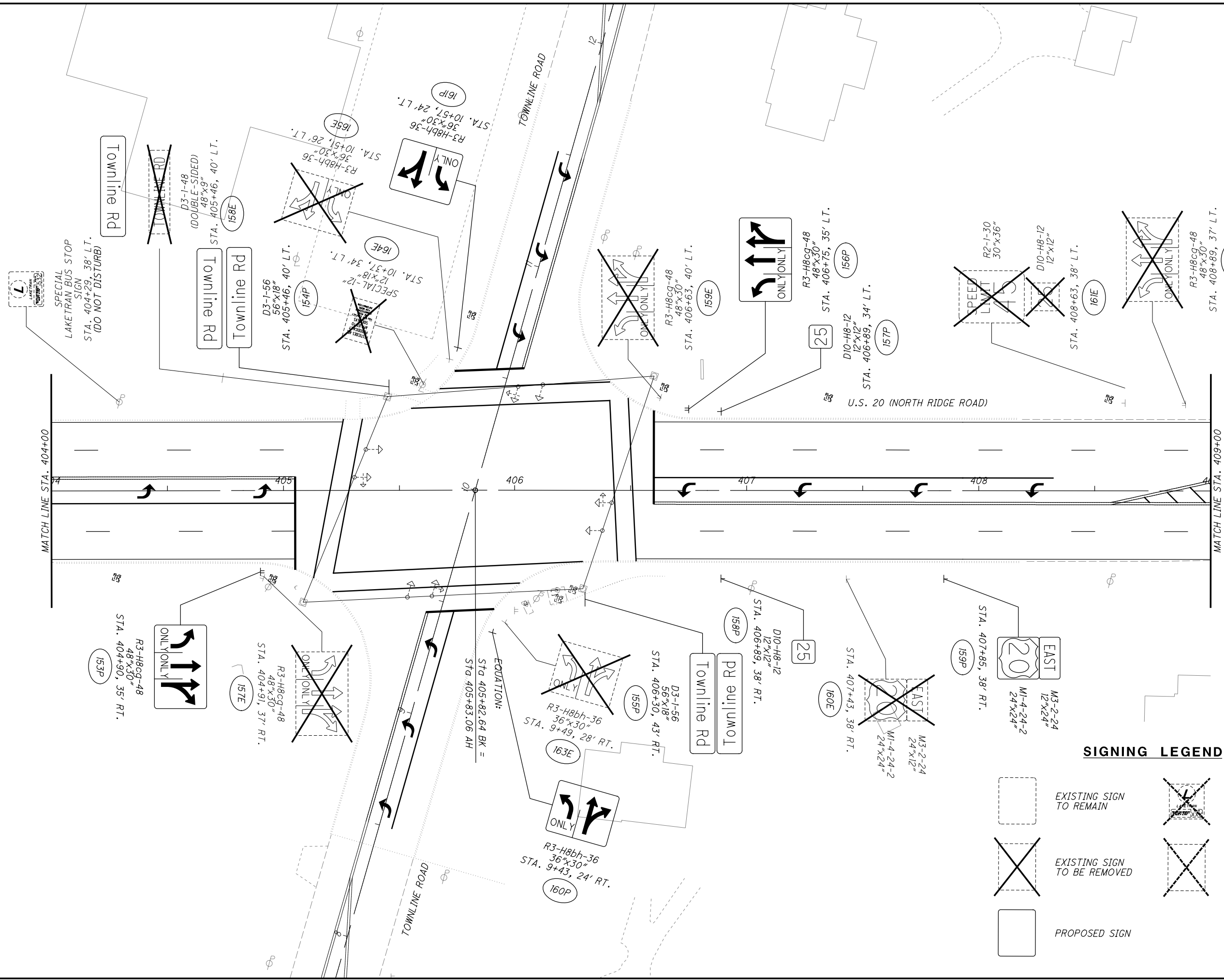
**SIGNING LEGEND**



CALCULATED  
JDC  
CHECKED  
EJT

**SIGNING PLAN**  
**STA. 399+00 TO STA. 404+00**

**LAK-US-20-19.59**  
**PART 1**



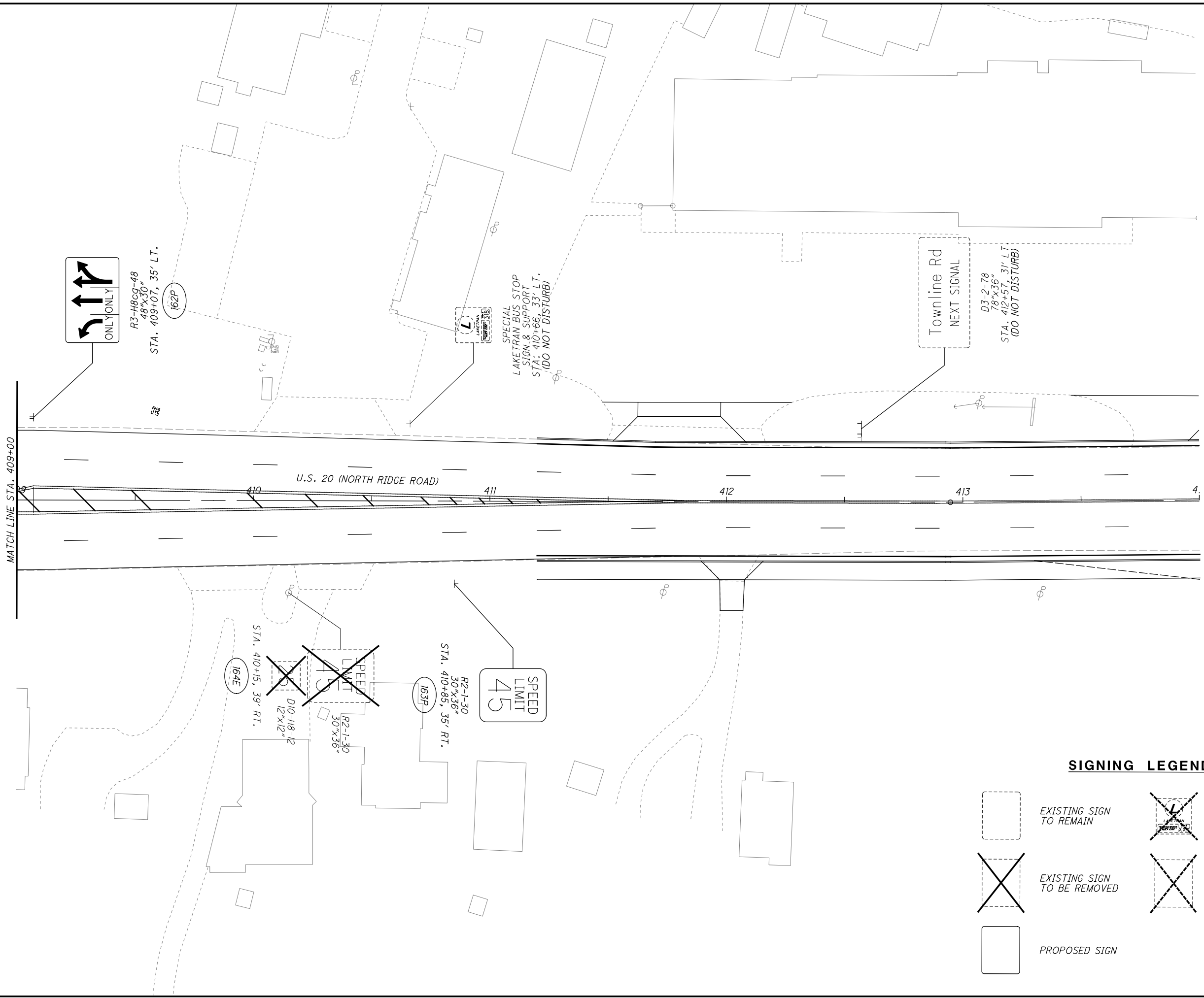
**SIGNING LEGEND**

	EXISTING SIGN TO REMAIN		LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
	EXISTING SIGN TO BE REMOVED		EXISTING SIGN TO BE REMOVED & RE-ERECTED
	PROPOSED SIGN		

CALCULATED JDC CHECKED EJT

HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 404+00 TO STA. 409+00**



MATCH LINE STA. 409+00

U.S. 20 (NORTH RIDGE ROAD)

ONLY ONLY

R3-H8cg-48  
48"x30"  
STA. 409+07, 35' LT.

162P

SPECIAL LAKETRAN BUS STOP SIGN & SUPPORT  
STA. 410+66, 33' LT.  
(DO NOT DISTURB)

Townline Rd  
NEXT SIGNAL  
D3-2-78  
78"x36"  
STA. 412+57, 31' LT.  
(DO NOT DISTURB)

164E  
STA. 410+15, 39' RT.

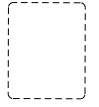
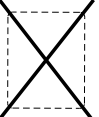
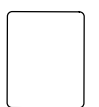

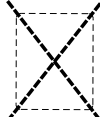
D10-H8-12  
12"x12"

R2-I-30  
30"x36"

163P  
STA. 410+85, 35' RT.

SPEED LIMIT 45

**SIGNING LEGEND**

-  EXISTING SIGN TO REMAIN
-  EXISTING SIGN TO BE REMOVED
-  PROPOSED SIGN
-  LAKETRAN SIGN TO BE REMOVED & RE-ERECTED
-  EXISTING SIGN TO BE REMOVED & RE-ERECTED

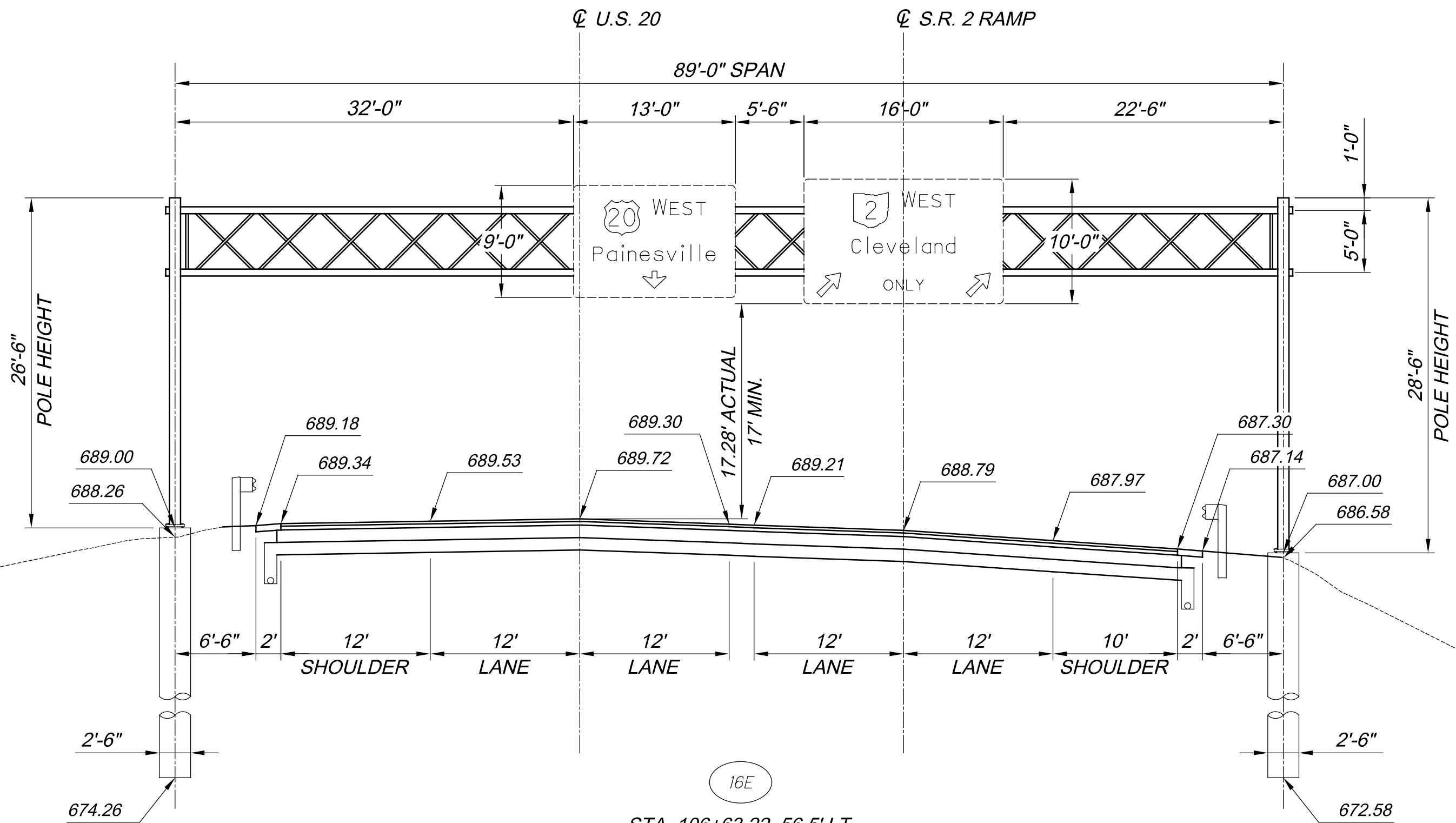
CALCULATED JDC CHECKED EJT




0 10 20 30 40  
HORIZONTAL SCALE IN FEET

**SIGNING PLAN**  
**STA. 409+00 TO STA. 414+00**

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16E  
 STA. 106+63.22, 56.5' LT.  
 STA. 106+63.22, 32.5' RT.  
**OVERHEAD SIGN SUPPORT**  
 TC-15.116, DESIGN 2, 89 FT. SPAN

ITEM	QUANTITY	UNIT	DESCRIPTION
625	2	EACH	GROUND ROD
630	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 2
630	2	EACH	RIGID OVERHEAD SIGN SUPPORT FOUNDATION
630	2	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION
630	1	EACH	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-15.116

CALCULATED JDC  
 CHECKED WDB

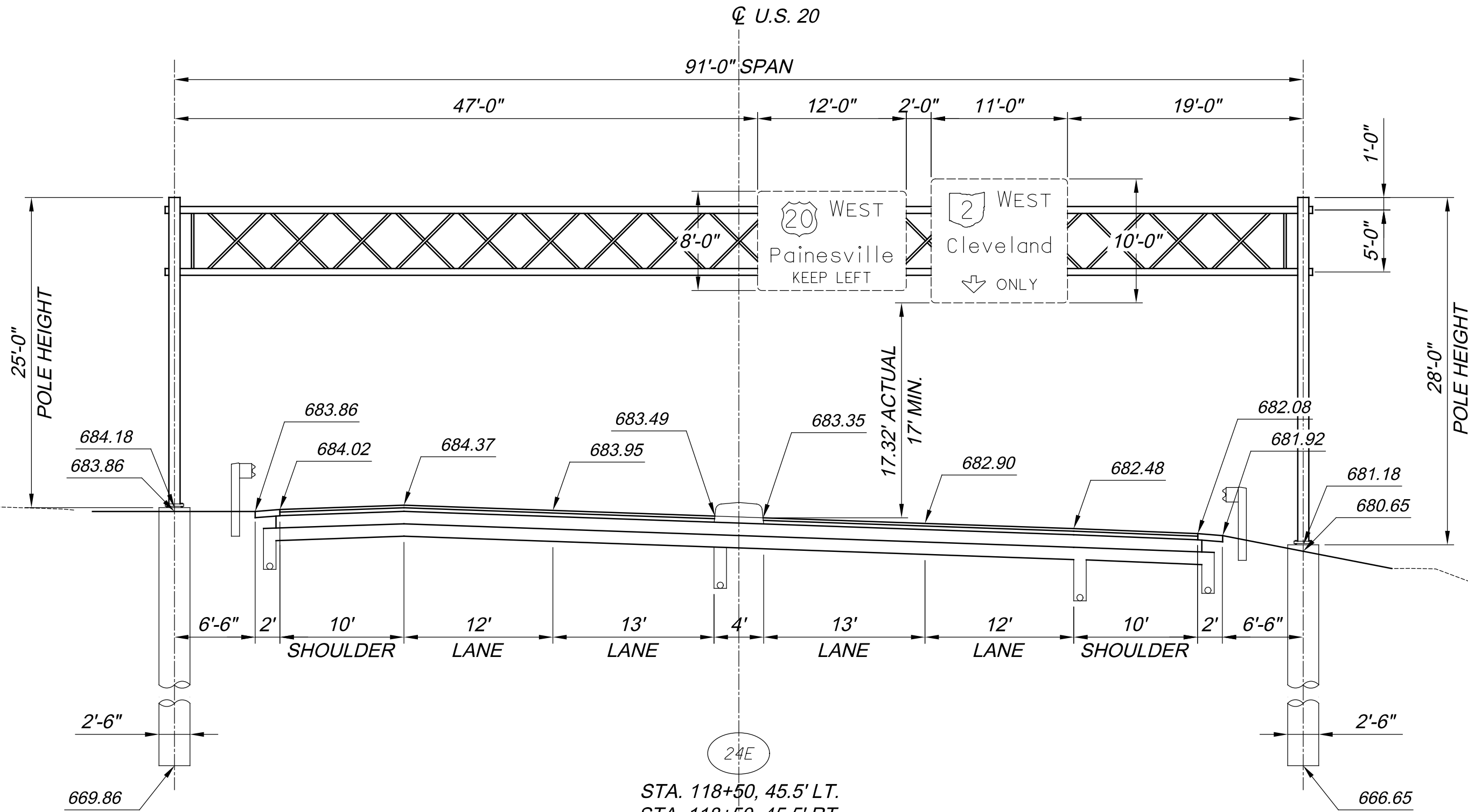
0 40 80  
 HORIZONTAL SCALE IN FEET

**OVERHEAD SIGNING ELEVATION VIEW**  
 STA. 106+63.22

**LAK-US-20-19.59**  
**PART 1**

1019  
 1253

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STA. 118+50, 45.5' LT.  
 STA. 118+50, 45.5' RT.  
**OVERHEAD SIGN SUPPORT**  
 TC-15.116, DESIGN 2, 91 FT. SPAN

ITEM	QUANTITY	UNIT	DESCRIPTION
625	2	EACH	GROUND ROD
630	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 2
630	2	EACH	RIGID OVERHEAD SIGN SUPPORT FOUNDATION
630	2	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION
630	1	EACH	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-15.116

CALCULATED JDC  
 CHECKED WDB  
 HORIZONTAL SCALE IN FEET  
 0 40 80

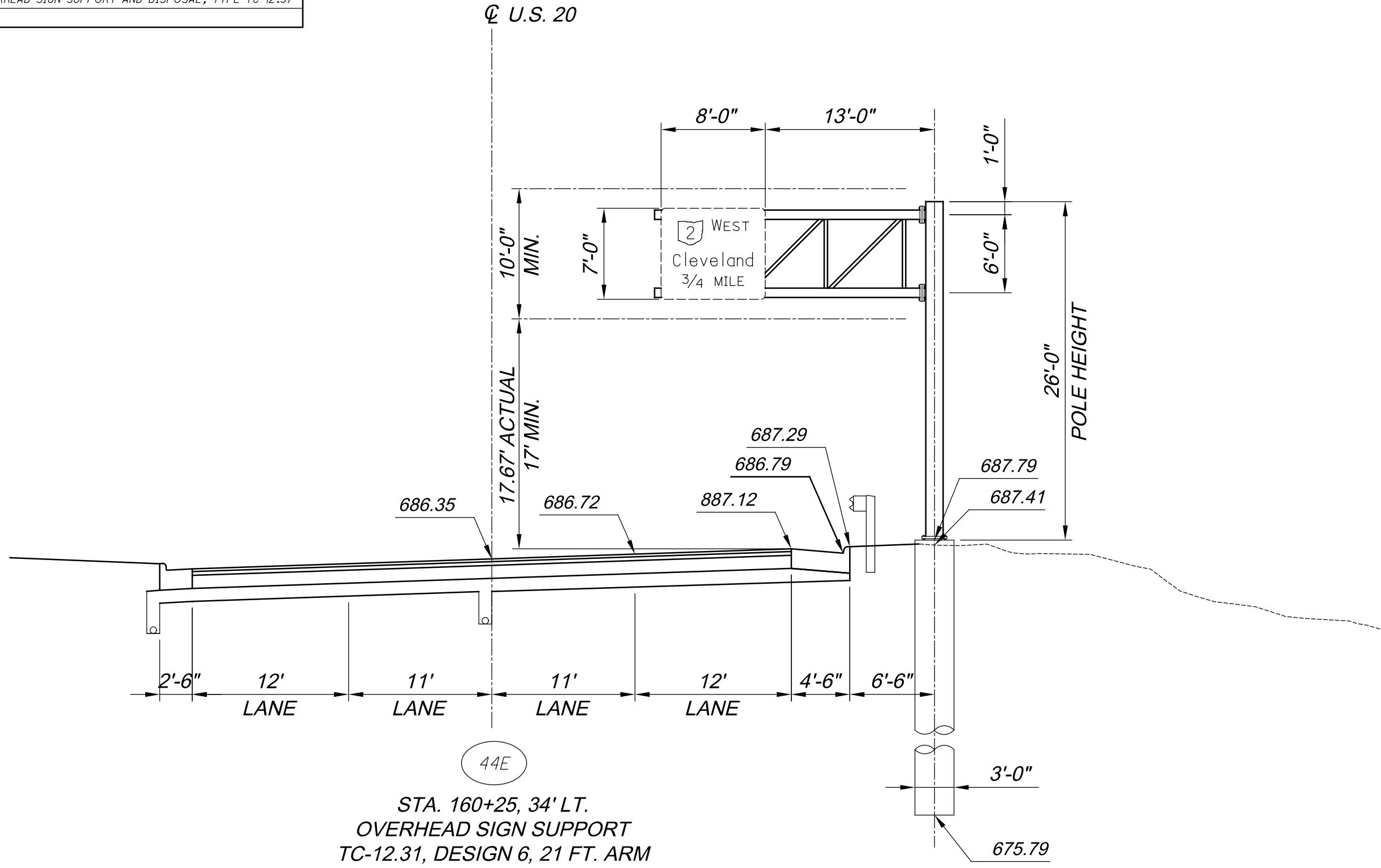
**OVERHEAD SIGNING ELEVATION VIEW**  
 STA. 118+50

LAK-US-20-19.59  
 PART 1

1020  
 1253

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ITEM	QUANTITY	UNIT	DESCRIPTION
625	1	EACH	GROUND ROD
630	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6
630	1	EACH	RIGID OVERHEAD SIGN SUPPORT FOUNDATION
630	1	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND REERECTION
630	1	EACH	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-12.31



CALCULATED	JDC
CHECKED	WDB

OVERHEAD SIGNING ELEVATION VIEW  
 STA. 160+25

LAK-US-20-19.59  
 PART 1

1021  
1253





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**POWER SUPPLY FOR TRAFFIC SIGNALS**

ELECTRIC POWER SHALL BE OBTAINED FROM FIRST ENERGY AT THE LOCATION INDICATED ON THE PLANS. POWER SUPPLIED SHALL BE 120 VOLTS.

**632 REMOVAL OF TRAFFIC SIGNAL INSTALLATION**

TRAFFIC SIGNAL INSTALLATIONS, INCLUDING SIGNAL HEADS, CABLE, MESSENGER WIRE, STRAIN POLES, CABINET, CONTROLLER, ETC., SHALL BE REMOVED IN ACCORDANCE WITH C&MS 632.26 AND AS INDICATED ON THE PLANS. REMOVED ITEMS SHALL BE REUSED AS PART OF A NEW INSTALLATION ON THE PROJECT OR STORED ON THE PROJECT FOR SALVAGE BY (NAME OF AGENCY RECEIVING STORED ITEMS) IN ACCORDANCE WITH THE LISTING GIVEN HEREIN.

ITEMS TO BE STORED:

PEDESTRIAN PUSHBUTTONS

REMOVED ITEMS SHALL BE DELIVERED TO THE NEAREST ODOT FACILITY WHOSE ADDRESS IS LISTED BELOW:

ODOT DISTRICT 12 SIGNAL SHOP, ATTN: LEONARD PAIGE  
CONTACT PHONE NUMBER 216-584-2302

25609 EMERY ROAD  
WARRENSVILLE, OHIO 44128

IN THE EVENT THE ITEMS STORED ON THE PROJECT FOR SALVAGE BY THE LOCAL AGENCY ARE NOT REMOVED, THE CONTRACTOR SHALL, WHEN DIRECTED BY THE ENGINEER IN WRITING, REMOVE AND DISPOSE OF THE ITEMS AT NO ADDITIONAL COST TO THE PROJECT.

**GUARANTEE**

THE CONTRACTOR SHALL GUARANTEE THAT THE TRAFFIC CONTROL SYSTEM INSTALLED AS PART OF THIS CONTRACT SHALL OPERATE SATISFACTORILY FOR A PERIOD OF 90 DAYS FOLLOWING COMPLETION OF THE 10-DAY PERFORMANCE TEST. IN THE EVENT OF UNSATISFACTORY OPERATION, THE CONTRACTOR SHALL CORRECT FAULTY INSTALLATIONS, MAKE REPAIRS AND REPLACE DEFECTIVE PARTS WITH NEW PARTS OF EQUAL OR BETTER QUALITY.

EQUIPMENT, MATERIAL AND LABOR COSTS INCURRED IN CORRECTING AN UNSATISFACTORY OPERATION SHALL BE BORNE BY THE CONTRACTOR.

THE GUARANTEE SHALL COVER THE FOLLOWING ITEMS OF THE TRAFFIC CONTROL SYSTEM: CONTROLLER, CABINET, UNINTERRUPTIBLE POWER SUPPLY, VEHICLE DETECTION EQUIPMENT, LED LAMP UNITS, NETWORK AND COMMUNICATION/ INTERCONNECT EQUIPMENT.

CUSTOMARY MANUFACTURER'S GUARANTEES FOR THE FOREGOING ITEMS SHALL BE TURNED OVER TO THE STATE OR THE MAINTAINING AGENCY FOLLOWING ACCEPTANCE OF THE EQUIPMENT.

THE COST OF GUARANTEEING THE TRAFFIC CONTROL SYSTEM WILL BE INCIDENTAL TO AND INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS ITEMS MAKING UP THE SYSTEM.

**WORK INSPECTION**

THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER WITH 72-HOUR NOTICE OF ANY SIGNAL WORK TO BE PERFORMED AT THE INTERSECTION SITE(S) SO THAT INSPECTION SERVICES CAN BE SUPPLIED.

**DETECTION MAINTENANCE**

IF VEHICLE DETECTION BECOMES UNEXPECTEDLY DISABLED, REQUIRES MODIFICATION, OR IS SCHEDULED TO BE TEMPORARILY REMOVED DURING THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER.

IF THE LOSS OF VEHICLE DETECTION IS KNOWN PRIOR TO THE START OF CONSTRUCTION, IT SHALL BE DISCUSSED AT THE PRECONSTRUCTION MEETING. AT SUCH TIME, THE DISTRICT TRAFFIC ENGINEER SHALL ADVISE THE PROJECT ENGINEER AND CONTRACTOR ON THE APPROPRIATE ACTION TO RECTIFY ANY LOSS OF VEHICLE DETECTION. THIS MAY INCLUDE PLACING THE TRAFFIC SIGNAL ON MINIMUM OR MAXIMUM RECALL, MODIFYING THE MINIMUM GREEN TIMES, AND REMOVING THE MALFUNCTIONING DETECTION FROM SERVICE. WHERE NON-INTRUSIVE DETECTION (I.E. VIDEO, RADAR) ALREADY EXISTS, THE CONTRACTOR SHALL INSURE THAT DETECTION IS OPERATING AND MAINTAINED BY RECONFIGURING THE DETECTION UNITS ACCORDINGLY DURING ALL CONSTRUCTION PHASES. THIS IS TO AVOID THE SIGNAL FROM MAXING OUT THE EFFECTED SIGNAL PHASE AND CREATING UNNECESSARY DELAYS.

LOCATIONS WHERE NON-INTRUSIVE DETECTION IS PROPOSED AND THE EXISTING VEHICLE DETECTION IS TO BE ABANDON, THE NON-INTRUSIVE VEHICLE DETECTION SHALL BE INSTALLED, CONFIGURED AND MADE FULLY FUNCTIONAL PRIOR TO THE EXISTING DETECTION BEING DISABLED. THE CONTRACTOR SHALL CONTINUE TO MAINTAIN AND MODIFY THE DETECTION UNTIL FINAL ACCEPTANCE OF THE TRAFFIC SIGNAL. THIS IS TO ENSURE VEHICLE DETECTION REMAINS FULLY FUNCTIONAL THROUGHOUT CONSTRUCTION.

**632 SIGNALIZATION MISC.: UNLASH AND RELASH MESSENGER WIRE**

THE CONTRACTOR SHALL REMOVE EXISTING MESSENGER WIRE LASHING RODS AND REINSTALL THEM AS NECESSARY FOR THE INSTALLATION OF ANY NEW CABLES ON THE EXISTING INTERSECTION SIGNAL SPANS. THE CABLES SHALL ENTER THE EXISTING STRAIN POLE THROUGH THE POLE CABLE ENTRANCE FITTING AND USE THE EXISTING CONDUIT SYSTEM TO GET TO THE CONTROLLER CABINET. THE NEW CABLES SHALL BE SUPPORTED BY A NEW CABLE SUPPORT ASSEMBLY AT THE TOP OF THE STRAIN POLE.

THE NEW SIGNAL CABLES SHALL BE BID BY SEPARATE BID ITEMS.

PAYMENT FOR ITEM 632 "SIGNALIZATION MISC.: UNLASH AND RELASH MESSENGER WIRE" SHALL BE MADE AT THE CONTRACT UNIT PRICE PER FOOT AND SHALL INCLUDE ALL LABOR, MATERIALS, CABLE SUPPORT ASSEMBLIES AND EQUIPMENT TO INSTALL NEW CABLES ON EXISTING SIGNAL SPAN WIRE INSTALLATIONS.

**809 ADVANCE RADAR DETECTION, AS PER PLAN**

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR ADVANCE DETECTION UNIT (MODEL SS-200E). THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

1. POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.
2. ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.
3. THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.
4. SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.
5. THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.
6. A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MINIMUM 7 FEET).
7. THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.
8. THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING EXISTING LOOPS.
9. THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION. PAYMENT FOR ITEM 809 ADVANCE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, CONNECTIONS TESTED AND ACCEPTED, AND ANY OTHER NECESSARY HARDWARE TO ESTABLISH A FULLY FUNCTIONAL DETECTION SYSTEM.

PAYMENT FOR ITEM 809 ADVANCE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, CONNECTIONS TESTED AND ACCEPTED, AND ANY OTHER NECESSARY HARDWARE TO ESTABLISH A FULLY FUNCTIONAL DETECTION SYSTEM.

**809 STOP-LINE RADAR DETECTION, AS PER PLAN**

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND INSTALLING A WAVETRONIX SMARTSENSOR MATRIX DETECTION UNIT. THE DETECTION UNIT SHALL INCLUDE THE FOLLOWING:

1. POWER SHALL BE PROVIDED FROM THE TRAFFIC CABINET.
2. ALL REQUIRED INPUTS CARDS SHALL BE INCLUDED IN THE TRAFFIC CABINET AND SHALL BE COMPATIBLE WITH CALTRANS, NEMA TS1 AND NEMA TS2 DETECTOR RACKS. THE CARDS SHALL PROVIDE TRUE PRESENCE DETECTOR CALLS OR CONTACT CLOSURE TO THE TRAFFIC CONTROLLER.
3. THE UNIT SHALL BE MOUNTED DIRECTLY TO A POLE OR MAST ARM, AS RECOMMENDED BY THE MANUFACTURER. CABLE(S) SHALL BE PROVIDED AS REQUIRED AND RECOMMENDED BY THE MANUFACTURER.
4. SURGE PROTECTION DEVICES, AS RECOMMENDED BY THE MANUFACTURER SHALL BE INCLUDED BOTH AT THE POLE WHERE THE UNIT IS LOCATED TO PROTECT THE UNIT AND IN THE TRAFFIC CABINET TO PROTECT THE CABINET ELECTRONICS.
5. THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION AND MAINTENANCE OF THE UNIT.
6. A SERIAL TO ETHERNET COMMUNICATIONS MODULE AND ETHERNET CABLE (MINIMUM 7 FEET).
7. THE POWER SUPPLY AND COMMUNICATION MODULES SHALL BE SECURED TO A SINGLE PANEL THAT CAN BE MOUNTED INTERIOR TO THE TRAFFIC CABINET. THE PANEL SHALL INCLUDE MODULAR-PLUG STYLE CONNECTIONS FOR UP TO FOUR (4) SENSOR CABLES. ADDITIONAL SENSORS MAY BE HARD-WIRED TO THE COMMUNICATION MODULES, AS NECESSARY.
8. THE CONTRACTOR SHALL INSTALL THE RADAR DETECTION PRIOR TO MILLING/DISABLING EXISTING LOOPS.
9. THE INSTALLATION SHALL INCLUDE ALL CONTROLLER PROGRAMMING FOR COMPLETE INSTALLATION, WHICH INCLUDES MODIFICATIONS FOR REMOVAL OF EXISTING DETECTION.

PAYMENT FOR ITEM 809 STOP-LINE RADAR DETECTION, AS PER PLAN SHALL BE MADE AT THE CONTRACT UNIT PRICE FOR EACH UNIT, COMPLETE AND IN PLACE INCLUDING ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT AND CONNECTIONS TESTED AND ACCEPTED.

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**GROUNDING AND BONDING**

THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS) AND THE TC SERIES OF STANDARD CONSTRUCTION DRAWINGS ARE MODIFIED AS FOLLOWS:

1. ALL METALLIC PARTS CONTAINING ELECTRICAL CONDUCTORS SHALL BE PERMANENTLY JOINED TO FORM AN EFFECTIVE GROUND FAULT CURRENT PATH BACK TO THE GROUNDED CONDUCTOR IN THE POWER SERVICE DISCONNECT SWITCH.
  - A. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN METALLIC CONDUITS (725.04) IN ADDITION TO THE CONDUCTORS SPECIFIED AND BOND THE CONDUIT TO THIS GROUNDING CONDUCTOR.
  - B. WHEN AN EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IN PLASTIC CONDUIT (725.05), THE INSTALLATION SHALL INCLUDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN ADDITION TO THE CONDUCTORS SPECIFIED.
  - C. METALLIC CONDUIT CARRYING THE LOOP WIRES FROM IN THE PAVEMENT TO THE PULL BOX SPLICE LOCATION WILL ONLY BE BONDED AT THE PULL BOX END, AND WILL NOT CONTAIN AN EQUIPMENT GROUNDING CONDUCTOR.
  - D. IF MULTIPLE CONDUIT RUNS BEGIN AND END AT THE SAME POINTS, ONLY ONE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED.
  - E. IF AN EQUIPMENT GROUNDING CONDUCTOR IS NEEDED IN CONDUIT BETWEEN SIGNALIZED INTERSECTIONS FOR UNDERGROUND INTERCONNECT CABLE, THE GROUNDING SYSTEM FOR EACH SIGNALIZED INTERSECTION WILL BE SEPARATED ABOUT MIDWAY BETWEEN THE INTERSECTIONS.
  - F. THE MESSENGER WIRE AT SIGNALIZED INTERSECTIONS WILL BE USED AS THE CONDUCTIVE PATH FROM CORNER TO CORNER IF CONDUIT IS NOT PROVIDED UNDER THE ROADWAY. WHEN CONDUIT CONNECTS THE CORNERS OF AN INTERSECTION, AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE USED IN THE CONDUIT.
2. CONDUITS.
  - A. THE 725.04 CONDUIT SHALL HAVE GROUNDING BUSHINGS INSTALLED AT ALL TERMINATION POINTS. THE BUSHING MATERIAL SHALL BE COMPATIBLE WITH GALVANIZED STEEL CONDUIT AND THE GROUNDING LUG MATERIAL SHALL BE COMPATIBLE FOR USE WITH COPPER WIRE. THREADED OR COMPRESSION TYPE BUSHINGS MAY BE USED.
  - B. THE 725.05 CONDUIT SHALL HAVE THE INSIDE AND OUTSIDE DIAMETERS OF THE CONDUIT DEBURRED AT ALL TERMINATION POINTS.
  - C. BOTH ENDS OF METALLIC CONDUIT SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.
  - D. METALLIC CONDUIT MAY BE BONDED TO METALLIC BOXES THROUGH THE USE OF CONDUIT FITTINGS UL APPROVED FOR THIS TYPE OF CONNECTION, WITH THE BOX BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.

3. WIRE FOR GROUNDING AND BONDING.
  - A. USE INSULATED, COPPER WIRE FOR THE EQUIPMENT GROUNDING CONDUCTOR. BONDING JUMPERS IN BOXES AND ENCLOSURES MAY BE BARE OR INSULATED COPPER WIRE. WIRE SIZE SHALL BE AS FOLLOWS:
    - I. USE 4 AWG BETWEEN THE POWER SERVICE AND SUPPORTS, POLES, PEDESTALS, CONTROLLER OR FLASHER CABINETS.
    - II. USE A MINIMUM 8 AWG BETWEEN LOOP DETECTOR PULL BOXES AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I ABOVE.
    - III. USE A MINIMUM 8 AWG BETWEEN THE "PREPARE TO STOP WHEN FLASHING" INSTALLATION (INCLUDING SUPPORT) AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I ABOVE.
    - IV. THE INSULATION SHALL BE GREEN OR GREEN WITH YELLOW STRIPE(S). FOR 4 AWG OR LARGER, INSULATION MAY ALSO BE BLACK WITH GREEN TAPE/LABELS INSTALLED AT ALL ACCESS POINTS.
  - B. IN A HIGHWAY LIGHTING SYSTEM, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE THE SAME WIRE SIZE AS THE DUCT CABLE OR DISTRIBUTION CABLE CIRCUIT CONDUCTORS, WITH THE MINIMUM CONDUCTOR SIZE OF 4 AWG. BONDING JUMPERS WILL BE MINIMUM SIZE 4 AWG.
4. GROUND ROD.
  - A. A 3/4-INCH SCHEDULE 40 PVC CONDUIT WILL BE USED IN FOUNDATIONS AND CONCRETE WALLS FOR THE GROUNDING CONDUCTOR (GROUND WIRE) RACEWAY TO THE GROUND ROD. SHOULD METALLIC CONDUIT BE USED, BOTH ENDS OF THE CONDUIT SHALL BE BONDED TO THE GROUNDING CONDUCTOR.
  - B. THE TYPICAL GROUNDING CONDUCTOR (GROUND WIRE) SHALL BE 4 AWG INSULATED, COPPER.
5. THE GREEN CONDUCTOR IN SIGNAL CABLES (CONDUCTOR #4) SHALL NOT BE USED TO SUPPLY POWER TO A SIGNAL INDICATION. IT WILL BE CONNECTED TO THE SIGNAL BODY AS AN EQUIPMENT GROUND IN ALUMINUM HEADS AND IT WILL BE UNUSED IN PLASTIC HEADS. UNUSED CONDUCTORS SHALL BE GROUNDED IN THE CABINET. TYPICAL USE OF CONDUCTORS IS AS FOLLOWS:

COND. NO.	COLOR	VEHICLE SIGNAL	PEDESTRIAN SIGNAL
1	BLACK	GREEN BALL	#1 WALK
2	WHITE	AC NEUTRAL	AC NEUTRAL
3	RED	RED BALL	#1 DW/FDW
4	GREEN	EQUIPMENT GROUND	EQUIPMENT GROUND
5	ORANGE	YELLOW BALL	#2 DW/FDW
6	BLUE	GREEN ARROW	#2 WALK
7	WHITE/BLACK	STRIPE YELLOW ARROW	NOT USED

6. POWER SERVICE AND DISCONNECT SWITCH.
  - A. AT THE POWER SERVICE LOCATION, THE GROUNDING CONDUCTOR (GROUND WIRE) FROM THE DISCONNECT SWITCH NEUTRAL (AC-) BAR TO THE GROUND ROD SHALL BE A CONTINUOUS, UNSPLICED CONDUCTOR. IF SPLICED, IT SHALL BE AN EXOTHERMIC WELD BUTT SPLICE.
  - B. THE SERVICE NEUTRAL (AC-) SHALL ONLY BE CONNECTED TO GROUND AT THE PRIMARY POWER SERVICE DISCONNECT SWITCH.
    - I. NEMA CONTROLLER CABINETS: IF A POWER SERVICE DISCONNECT SWITCH IS LOCATED BEFORE THE CONTROLLER CABINET, THE NEUTRAL (AC-) AND THE GROUNDING BARS IN THE CONTROLLER CABINET SHALL NOT BE CONNECTED TOGETHER AS SHOWN IN NEMA TS-2, FIGURE 5-4.
    - II. IF SECONDARY DISCONNECT SWITCHES ARE CONNECTED AFTER THE PRIMARY DISCONNECT SWITCH, THE NEUTRAL (AC-) SHALL ONLY BE GROUNDED AT THE PRIMARY SWITCH. EQUIPMENT GROUNDING CONDUCTORS SHALL BE BROUGHT TO THE PRIMARY SWITCH, BUT SHALL BE GROUNDED AT BOTH SECONDARY AND PRIMARY SWITCHES.
7. PAYMENT - ALL MATERIALS AND WORK REQUIRED TO COMPLETE THE EFFECTIVE GROUND FAULT CURRENT PATH SYSTEM ARE INCIDENTAL TO THE CONDUCTORS INSTALLED BY CONTRACT.

**632 REMOVAL OF TRAFFIC SIGNAL ITEM (PEDESTRIAN SIGNAL SYSTEM)**

PEDESTRIAN SIGNAL SYSTEMS, INCLUDING SIGNAL HEADS, PEDESTALS, TRANSFORMER BASES, PUSH BUTTON ASSEMBLIES, ETC., SHALL BE REMOVED IN ACCORDANCE WITH C&MS 632.26 AND AS INDICATED ON THE PLANS. REMOVED ITEMS SHALL BE REUSED AS PART OF A NEW INSTALLATION ON THE PROJECT OR STORED ON THE PROJECT FOR SALVAGE BY (NAME OF AGENCY RECEIVING STORED ITEMS) IN ACCORDANCE WITH THE LISTING GIVEN HEREIN.

ITEMS TO BE STORED:

- PEDESTRIAN SIGNAL HEADS
- PEDESTRIAN PUSHBUTTON ASSEMBLIES
- PEDESTRIAN PEDESTAL
- PEDESTRIAN TRANSFORMER BASE

REMOVED ITEMS SHALL BE DELIVERED TO THE NEAREST ODOT FACILITY WHOSE ADDRESS IS LISTED BELOW:

ODOT DISTRICT 12 SIGNAL SHOP, ATTN: LEONARD PAIGE  
CONTACT PHONE NUMBER 216-584-2302

25609 EMERY ROAD  
WARRENSVILLE, OHIO 44128

IN THE EVENT THE ITEMS STORED ON THE PROJECT FOR SALVAGE BY THE LOCAL AGENCY ARE NOT REMOVED, THE CONTRACTOR SHALL, WHEN DIRECTED BY THE ENGINEER IN WRITING, REMOVE AND DISPOSE OF THE ITEMS AT NO ADDITIONAL COST TO THE PROJECT.



0 20 40  
HORIZONTAL  
SCALE IN FEET

CALCULATED JDC CHECKED WDB

TRAFFIC SIGNAL PLAN  
LANE ROAD

LAK-US-20-19.59  
PART 1

1024  
1253



R10-4a-9  
9"x15"

4 - LEFT ARROW

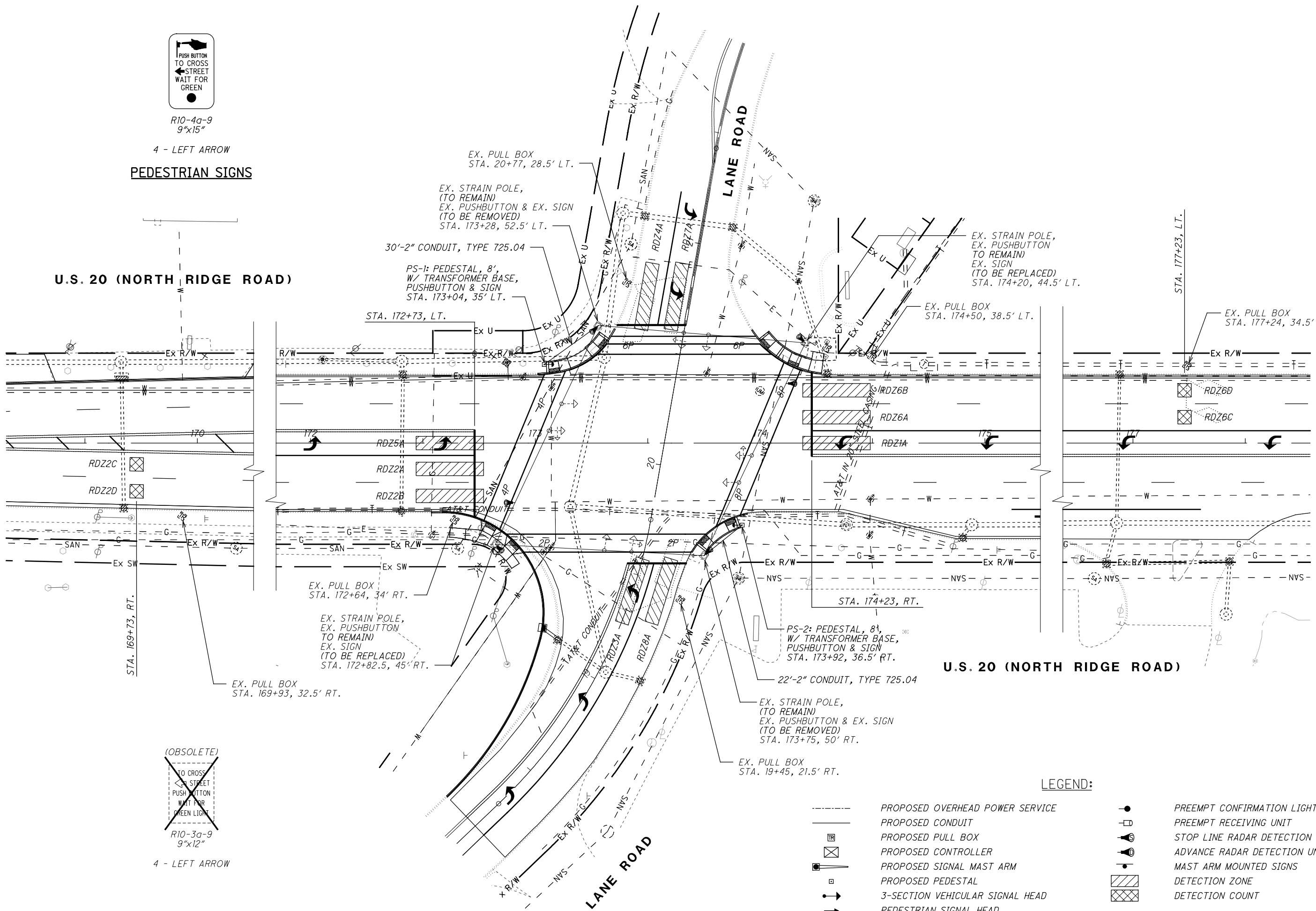
PEDESTRIAN SIGNS

U.S. 20 (NORTH RIDGE ROAD)

LANE ROAD

U.S. 20 (NORTH RIDGE ROAD)

LANE ROAD



(OBSOLETE)  
R10-3a-9  
9"x12"

4 - LEFT ARROW

- LEGEND:
- PROPOSED OVERHEAD POWER SERVICE
  - - - PROPOSED CONDUIT
  - PROPOSED PULL BOX
  - PROPOSED CONTROLLER
  - PROPOSED SIGNAL MAST ARM
  - PROPOSED PEDESTAL
  - 3-SECTION VEHICULAR SIGNAL HEAD
  - PEDESTRIAN SIGNAL HEAD
  - PEDESTRIAN PUSHBUTTON
  - PREEMPT CONFIRMATION LIGHT
  - PREEMPT RECEIVING UNIT
  - STOP LINE RADAR DETECTION UNIT
  - ADVANCE RADAR DETECTION UNIT
  - MAST ARM MOUNTED SIGNS
  - DETECTION ZONE
  - DETECTION COUNT

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DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	EXTENSION PROGRAMMED IN CONTROLLER (SEC.)	DETECTOR NUMBER	PURPOSE	DETECTION ZONE LENGTH (FT)
RDZ1A	WB LT	PRESENCE	1	-	-	DS1	STOP-LINE	30
RDZ2A	EB	PRESENCE	2	-	-	DS2	STOP-LINE	30
RDZ2B	EB	PRESENCE	2	-	-	DS2	STOP-LINE	30
RDZ2C	EB	PULSE	2	-	-	DD2	ADVANCED DETECTION	6
RDZ2D	EB	PULSE	2	-	-	DD2	ADVANCED DETECTION	6
RDZ3A	NB LT	PRESENCE	3	-	-	DS3	STOP-LINE	30
RDZ4A	SB	PRESENCE	4	12	-	DS4	STOP-LINE	30
RDZ5A	EB LT	PRESENCE	5	-	-	DS5	STOP-LINE	30
RDZ6A	WB	PRESENCE	6	-	-	DS6	STOP-LINE	30
RDZ6B	WB	PRESENCE	6	-	-	DS6	STOP-LINE	30
RDZ6C	WB	PULSE	6	-	-	DD6	ADVANCED DETECTION	6
RDZ6D	WB	PULSE	6	-	-	DD6	ADVANCED DETECTION	6
RDZ7A	SB LT	PRESENCE	7	-	-	DS7	STOP-LINE	30
RDZ8A	NB	PRESENCE	8	12	-	DS8	STOP-LINE	30
-	-	-	-	-	-	-	-	-

NOTE: ADVANCED DILEMMA ZONE SPEED THRESHOLD: 30 MPH  
PURPOSE: STOP-LINE OR ADVANCED DETECTION

**RADAR DETECTION CHART**

ITEM	TOTAL	UNIT	DESCRIPTION
625	52	FT	CONDUIT, 2", 725.04
625	52	FT	TRENCH
625	2	EACH	GROUND ROD
630	3.75	SF	SIGN, FLAT SHEET
630	4	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL
632	2	EACH	PEDESTAL FOUNDATION
632	2	EACH	PEDESTAL, 8', TRANSFORMER BASE
632	2	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM (PEDESTRIAN SIGNAL SYSTEM)
632	2	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON
632	422	FT	LOOP DETECTOR LEAD-IN CABLE
632	198	FT	SIGNALIZATION, MISC.: UNLASH AND RELASH MESSSENGER WIRE
809	4	EACH	ADVANCE RADAR DETECTION, AS PER PLAN
809	10	EACH	STOP LINE RADAR DETECTION, AS PER PLAN

NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.
- FOR PROTECTED/PERMISSIVE PHASES, IMPLEMENT CALL OMITTS TO AVOID YELLOW BALL TRAP
- ENABLE  $\phi$ 1, 3 &  $\phi$ 5, 7 DETECTOR SWITCHING TO ALLOW  $\phi$ 1 &  $\phi$ 5 TO EXTEND  $\phi$ 2 &  $\phi$ 6 OR  $\phi$ 3 &  $\phi$ 7 TO EXTEND  $\phi$ 4 &  $\phi$ 8, RESPECTIVELY, WHEN ALLOCATED GREEN TIME FOR LEFT TURN PHASES ARE EXHAUSTED.
- COUNTDOWN PEDESTRIAN SIGNALS SHALL GO TO ZERO ON YELLOW PER OMTUCD FIGURE 4E-2.
- RADAR DETECTION UNITS FOR DILEMMA ZONE DETECTION SHALL PLACE A CONSTANT CALL TO THE CONTROLLER WHEN VEHICLE TRAVEL TIMES TO THE STOP BAR ARE BETWEEN 2.5 AND 6 SECONDS. SPEED TRIGGER SHALL BE SET FOR VEHICLES TRAVELING 35 MPH AND GREATER.
- RADAR SHALL HAVE QUEUE DETECTION CONFIGURED AND A ZONE PLACED AT 100-200 FEET FROM STOP BAR FOR SLOW MOVING VEHICLE EXTENSIONS. SPEED TRIGGER SHALL BE SET AT 1-35 MPH.
- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.
- FOR ANY ENTRY TO FLASHING OPERATION, PROGRAMMING SHALL RUN MINOR STREET GREEN (TYP.  $\phi$ 4 &  $\phi$ 8), ALL-RED CLEARANCE, AND THEN FLASHING OPERATION.

SUPPORT NO.	STATION	OFFSET	POLE HEIGHT	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	HANDHOLE
			FT	DEG	DEG	DEG
PS-1	173+04	35' LT	8'	-	90	180
PS-2	173+92	36.5' RT	8'	-	90	180

**PEDESTAL TABLE**



CALCULATED JDC CHECKED WDB  
HORIZONTAL SCALE IN FEET

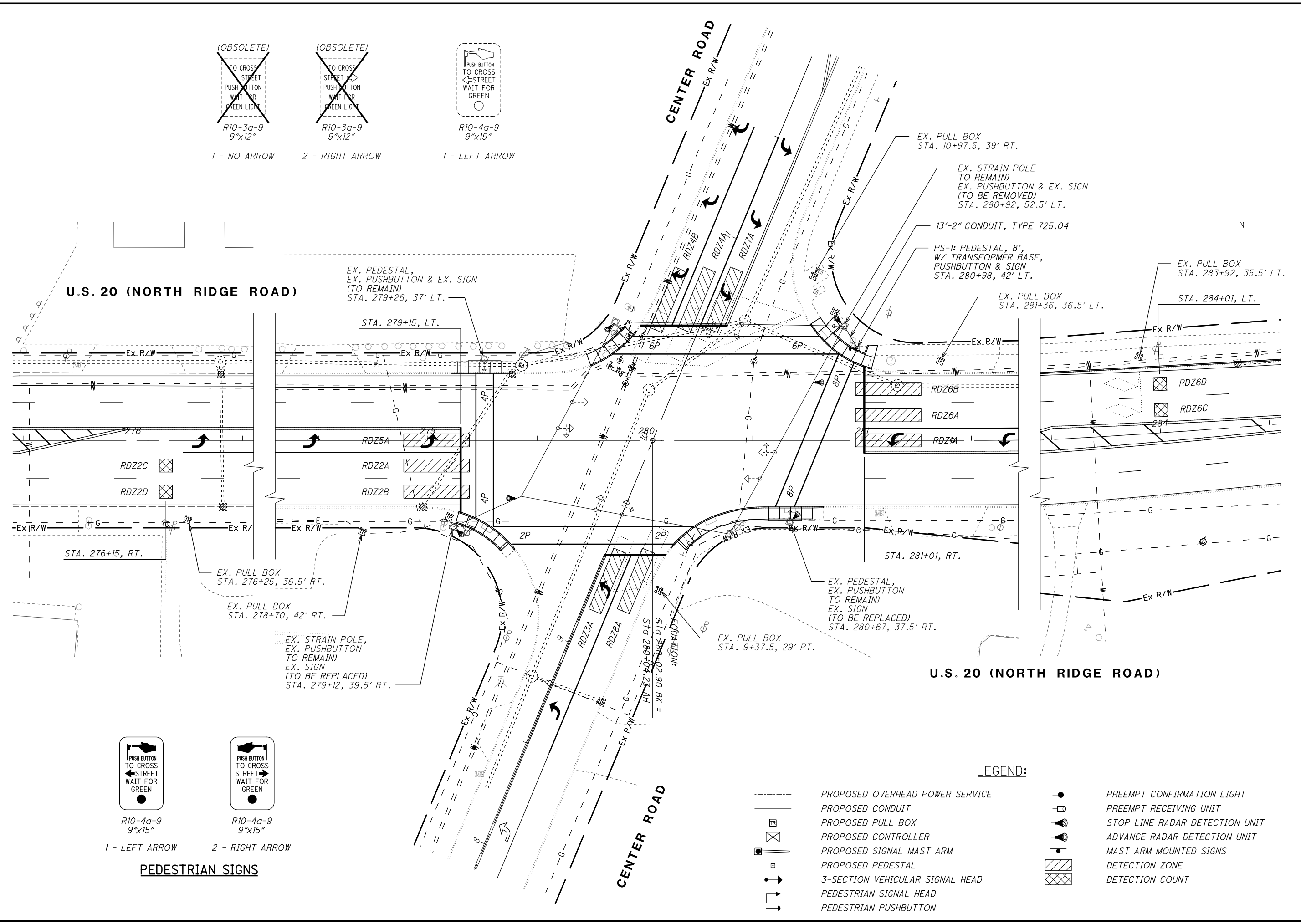
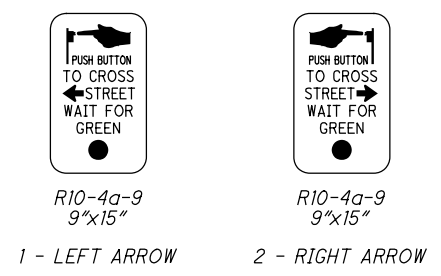
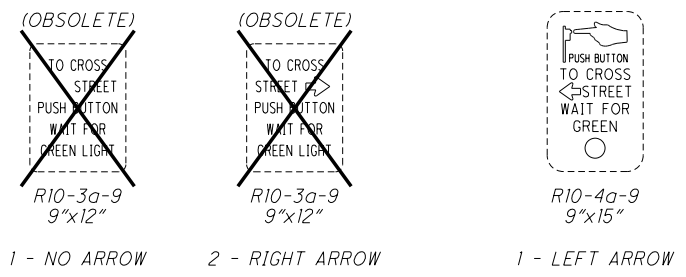
**TRAFFIC SIGNAL DETAILS  
LANE ROAD**



CALCULATED JDC CHECKED WDB

TRAFFIC SIGNAL PLAN  
CENTER ROAD

LAK-US-20-19.59  
PART 1



- LEGEND:
- PROPOSED OVERHEAD POWER SERVICE
  - - - PROPOSED CONDUIT
  - PROPOSED PULL BOX
  - PROPOSED CONTROLLER
  - PROPOSED SIGNAL MAST ARM
  - PROPOSED PEDESTAL
  - 3-SECTION VEHICULAR SIGNAL HEAD
  - PEDESTRIAN SIGNAL HEAD
  - PEDESTRIAN PUSHBUTTON
  - PREEMPT CONFIRMATION LIGHT
  - PREEMPT RECEIVING UNIT
  - STOP LINE RADAR DETECTION UNIT
  - ADVANCE RADAR DETECTION UNIT
  - MAST ARM MOUNTED SIGNS
  - DETECTION ZONE
  - DETECTION COUNT

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DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	EXTENSION PROGRAMMED IN CONTROLLER (SEC.)	DETECTOR NUMBER	PURPOSE	DETECTION ZONE LENGTH (FT)
RDZ1A	WB LT	PRESENCE	1	-	-	DS1	STOP-LINE	30
RDZ2A	EB	PRESENCE	2	-	-	DS2	STOP-LINE	30
RDZ2B	EB	PRESENCE	2	-	-	DS2	STOP-LINE	30
RDZ2C	EB	PULSE	2	-	-	DD2	ADVANCED DETECTION	6
RDZ2D	EB	PULSE	2	-	-	DD2	ADVANCED DETECTION	6
RDZ3A	NB LT	PRESENCE	3	-	-	DS3	STOP-LINE	30
RDZ4A	SB	PRESENCE	4	-	-	DS4	STOP-LINE	30
RDZ4B	SB RT	PRESENCE	4	12	-	DS4	STOP-LINE	30
RDZ5A	EB LT	PRESENCE	5	-	-	DS5	STOP-LINE	30
RDZ6A	WB	PRESENCE	6	-	-	DS6	STOP-LINE	30
RDZ6B	WB	PRESENCE	6	-	-	DS6	STOP-LINE	30
RDZ6C	WB	PULSE	6	-	-	DD6	ADVANCED DETECTION	6
RDZ6D	WB	PULSE	6	-	-	DD6	ADVANCED DETECTION	6
RDZ7A	SB LT	PRESENCE	7	-	-	DS7	STOP-LINE	30
RDZ8A	NB	PRESENCE	8	12	-	DS8	STOP-LINE	30
-	-	-	-	-	-	-	-	-

NOTE: ADVANCED DILEMMA ZONE SPEED THRESHOLD: 30 MPH  
PURPOSE: STOP-LINE OR ADVANCED DETECTION

**RADAR DETECTION CHART**

ITEM	TOTAL	UNIT	DESCRIPTION
625	13	FT	CONDUIT, 2", 725.04
625	13	FT	TRENCH
625	1	EACH	GROUND ROD
630	2.82	SF	SIGN, FLAT SHEET
630	3	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL
632	1	EACH	PEDESTAL FOUNDATION
632	1	EACH	PEDESTAL, 8', TRANSFORMER BASE
632	1	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM (PEDESTRIAN SIGNAL SYSTEM)
632	1	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON
632	80	FT	LOOP DETECTOR LEAD-IN CABLE
809	4	EACH	ADVANCE RADAR DETECTION, AS PER PLAN
809	11	EACH	STOP LINE RADAR DETECTION, AS PER PLAN

NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.
- FOR PROTECTED/PERMISSIVE PHASES, IMPLEMENT CALL OMITTS TO AVOID YELLOW BALL TRAP
- ENABLE  $\phi$ 1, 3 &  $\phi$ 5, 7 DETECTOR SWITCHING TO ALLOW  $\phi$ 1 &  $\phi$ 5 TO EXTEND  $\phi$ 2 &  $\phi$ 6 OR  $\phi$ 3 &  $\phi$ 7 TO EXTEND  $\phi$ 4 &  $\phi$ 8, RESPECTIVELY, WHEN ALLOCATED GREEN TIME FOR LEFT TURN PHASES ARE EXHAUSTED.
- COUNTDOWN PEDESTRIAN SIGNALS SHALL GO TO ZERO ON YELLOW PER OMTUCD FIGURE 4E-2.
- RADAR DETECTION UNITS FOR DILEMMA ZONE DETECTION SHALL PLACE A CONSTANT CALL TO THE CONTROLLER WHEN VEHICLE TRAVEL TIMES TO THE STOP BAR ARE BETWEEN 2.5 AND 6 SECONDS. SPEED TRIGGER SHALL BE SET FOR VEHICLES TRAVELING 35 MPH AND GREATER.
- RADAR SHALL HAVE QUEUE DETECTION CONFIGURED AND A ZONE PLACED AT 100-200 FEET FROM STOP BAR FOR SLOW MOVING VEHICLE EXTENSIONS. SPEED TRIGGER SHALL BE SET AT 1-35 MPH.
- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.
- FOR ANY ENTRY TO FLASHING OPERATION, PROGRAMMING SHALL RUN MINOR STREET GREEN (TYP.  $\phi$ 4 &  $\phi$ 8), ALL-RED CLEARANCE, AND THEN FLASHING OPERATION.

SUPPORT NO.	STATION	OFFSET	POLE HEIGHT	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	HANDHOLE
			FT	DEG	DEG	DEG
PS-1	280+98	42' LT	8'	-	270	180

**PEDESTAL TABLE**



**TRAFFIC SIGNAL DETAILS  
CENTER ROAD**

**LAK-US-20-19.59  
PART 1**



0 20 40  
HORIZONTAL  
SCALE IN FEET

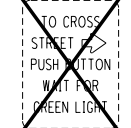
CALCULATED  
JDC  
CHECKED  
WDB

TRAFFIC SIGNAL PLAN  
TOWNLINE ROAD

LAK-US-20-19.59  
PART 1

1028  
1253

(OBSOLETE)



R10-3a-9  
9"x12"

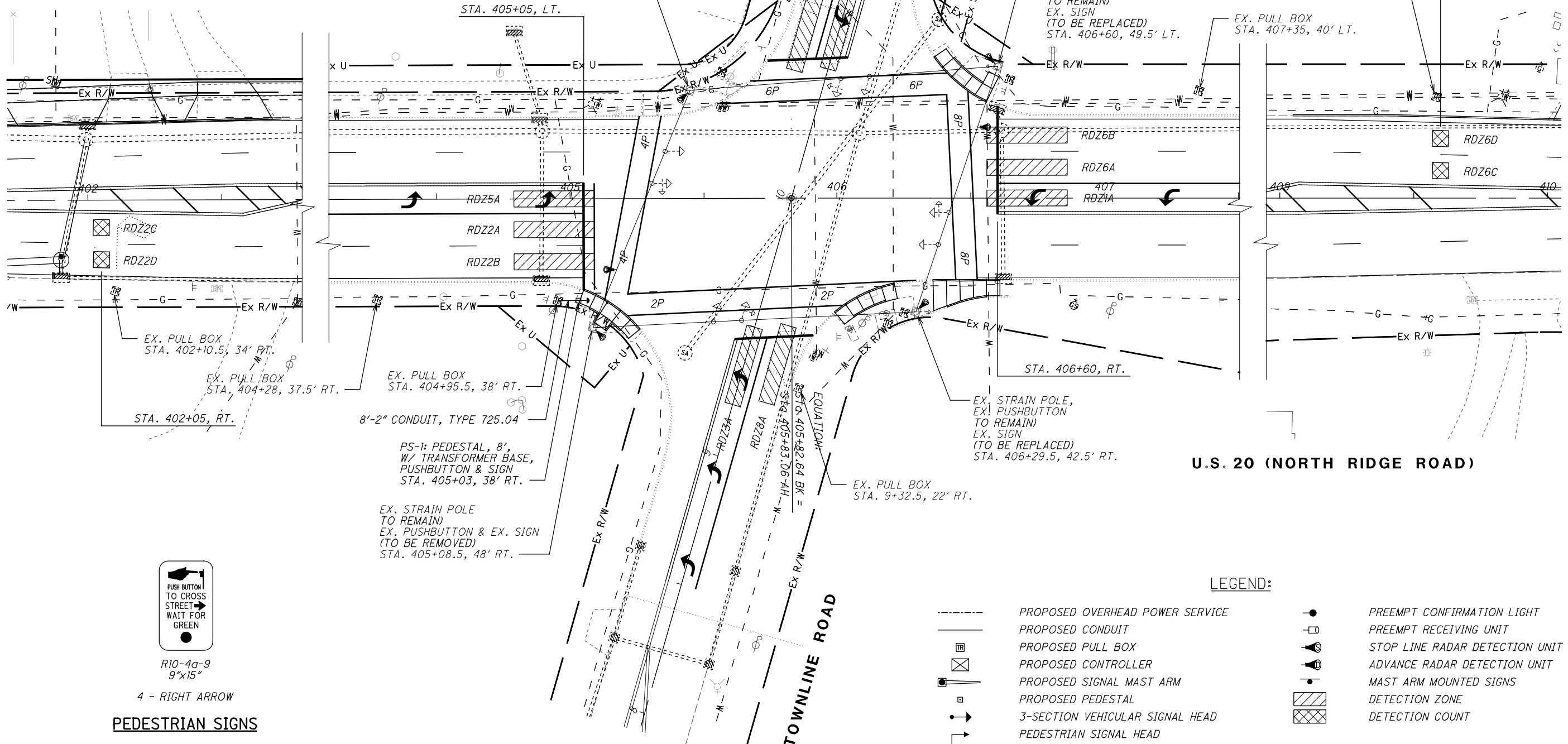
4 - RIGHT ARROW

U.S. 20 (NORTH RIDGE ROAD)

TOWNLINE ROAD

U.S. 20 (NORTH RIDGE ROAD)

TOWNLINE ROAD



LEGEND:

- PROPOSED OVERHEAD POWER SERVICE
- PROPOSED CONDUIT
- PROPOSED PULL BOX
- PROPOSED CONTROLLER
- PROPOSED SIGNAL MAST ARM
- PROPOSED PEDESTAL
- 3-SECTION VEHICULAR SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSHBUTTON
- PREEMPT CONFIRMATION LIGHT
- PREEMPT RECEIVING UNIT
- STOP LINE RADAR DETECTION UNIT
- ADVANCE RADAR DETECTION UNIT
- MAST ARM MOUNTED SIGNS
- DETECTION ZONE
- DETECTION COUNT



R10-4a-9  
9"x15"

4 - RIGHT ARROW

PEDESTRIAN SIGNS

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DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	EXTENSION PROGRAMMED IN CONTROLLER (SEC.)	DETECTOR NUMBER	PURPOSE	DETECTION ZONE LENGTH (FT)
RDZ1A	WB LT	PRESENCE	1	-	-	DS1	STOP-LINE	30
RDZ2A	EB	PRESENCE	2	-	-	DS2	STOP-LINE	30
RDZ2B	EB	PRESENCE	2	-	-	DS2	STOP-LINE	30
RDZ2C	EB	PULSE	2	-	-	DD2	ADVANCED DETECTION	6
RDZ2D	EB	PULSE	2	-	-	DD2	ADVANCED DETECTION	6
RDZ3A	NB LT	PRESENCE	3	-	-	DS3	STOP-LINE	30
RDZ4A	SB	PRESENCE	4	12	-	DS4	STOP-LINE	30
RDZ5A	EB LT	PRESENCE	5	-	-	DS5	STOP-LINE	30
RDZ6A	WB	PRESENCE	6	-	-	DS6	STOP-LINE	30
RDZ6B	WB	PRESENCE	6	-	-	DS6	STOP-LINE	30
RDZ6C	WB	PULSE	6	-	-	DD6	ADVANCED DETECTION	6
RDZ6D	WB	PULSE	6	-	-	DD6	ADVANCED DETECTION	6
RDZ7A	SB LT	PRESENCE	7	-	-	DS7	STOP-LINE	30
RDZ8A	NB	PRESENCE	8	12	-	DS8	STOP-LINE	30
-	-	-	-	-	-	-	-	-

NOTE: ADVANCED DILEMMA ZONE SPEED THRESHOLD: 30 MPH  
PURPOSE: STOP-LINE OR ADVANCED DETECTION

**RADAR DETECTION CHART**

ITEM	TOTAL	UNIT	DESCRIPTION
625	8	FT	CONDUIT, 2", 725.04
625	8	FT	TRENCH
625	1	EACH	GROUND ROD
630	3.75	SF	SIGN, FLAT SHEET
630	4	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL
632	1	EACH	PEDESTAL FOUNDATION
632	1	EACH	PEDESTAL, 8', TRANSFORMER BASE
632	1	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM (PESESTRIAN SIGNAL SYSTEM)
632	1	EACH	ACCESSIBLE PEDESTRIAN PUSHBUTTON
632	244	FT	LOOP DETECTOR LEAD-IN CABLE
632	121	FT	SIGNALIZATION, MISC.: UNLASH AND RELASH MESSSENGER WIRE
809	4	EACH	ADVANCE RADAR DETECTION, AS PER PLAN
809	10	EACH	STOP LINE RADAR DETECTION, AS PER PLAN

NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.
- FOR PROTECTED/PERMISSIVE PHASES, IMPLEMENT CALL OMITTS TO AVOID YELLOW BALL TRAP
- ENABLE  $\phi$ 1, 3 &  $\phi$ 5, 7 DETECTOR SWITCHING TO ALLOW  $\phi$ 1 &  $\phi$ 5 TO EXTEND  $\phi$ 2 &  $\phi$ 6 OR  $\phi$ 3 &  $\phi$ 7 TO EXTEND  $\phi$ 4 &  $\phi$ 8, RESPECTIVELY, WHEN ALLOCATED GREEN TIME FOR LEFT TURN PHASES ARE EXHAUSTED.
- COUNTDOWN PEDESTRIAN SIGNALS SHALL GO TO ZERO ON YELLOW PER OMTUCD FIGURE 4E-2.
- RADAR DETECTION UNITS FOR DILEMMA ZONE DETECTION SHALL PLACE A CONSTANT CALL TO THE CONTROLLER WHEN VEHICLE TRAVEL TIMES TO THE STOP BAR ARE BETWEEN 2.5 AND 6 SECONDS. SPEED TRIGGER SHALL BE SET FOR VEHICLES TRAVELING 35 MPH AND GREATER.
- RADAR SHALL HAVE QUEUE DETECTION CONFIGURED AND A ZONE PLACED AT 100-200 FEET FROM STOP BAR FOR SLOW MOVING VEHICLE EXTENSIONS. SPEED TRIGGER SHALL BE SET AT 1-35 MPH.
- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.
- FOR ANY ENTRY TO FLASHING OPERATION, PROGRAMMING SHALL RUN MINOR STREET GREEN (TYP.  $\phi$ 4 &  $\phi$ 8), ALL-RED CLEARANCE, AND THEN FLASHING OPERATION.

SUPPORT NO.	STATION	OFFSET	POLE HEIGHT	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	HANDHOLE
			FT	DEG	DEG	DEG
PS-1	405+03	38' RT	8'	-	270	180

**PEDESTAL TABLE**



**TRAFFIC SIGNAL DETAILS  
TOWNLIN ROAD**



**GENERAL NOTES**

**DESIGN SPECIFICATIONS:** THIS STANDARD DRAWING CONFORMS TO THE 8TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2017 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

**DESIGN DATA:** THE FOLLOWING DESIGN DATA IS ASSUMED:

INTERNAL ANGLE OF FRICTION OF BACKFILL SOIL,  $f_b f = 30^\circ$   
 TOTAL UNIT WEIGHT OF BACKFILL SOIL = 120 PCF  
 INTERNAL ANGLE OF FRICTION (DRAINED), FOUNDATION SOIL,  $f_f = 30^\circ$   
 UNDRAINED SHEAR STRENGTH (COHESIVE), FOUNDATION SOIL,  $S_{uf} = 1500$  PSF  
 UNIT WEIGHT OF CONCRETE = 150 PCF  
 SLOPE OF BACKFILL = 2:1 (TYPE A & B HEADWALLS)  
 HEIGHT OF LIVE LOAD SURCHARGE = 2 FT (TYPE C HEADWALLS)

CONCRETE - COMPRESSIVE STRENGTH 4000 PSI  
 (FOOTING, WINGWALL AND FORESLOPE WALL)

REINFORCING STEEL - ASTM A615, A616, OR A617  
 GRADE 60 MINIMUM YIELD STRENGTH  
 60,000 PSI (ALL REINFORCING SHALL BE  
 EPOXY COATED)

BASED ON THE ASSUMED DESIGN DATA, THE WINGWALLS ACHIEVE FACTORED BEARING RESISTANCES THAT ARE GREATER THAN THEIR RESPECTIVE BEARING PRESSURES. IF A BACKFILL MATERIAL WITH A HIGHER INTERNAL ANGLE OF FRICTION OR A LIGHTER TOTAL UNIT WEIGHT IS USED; OR IF A FOUNDATION SOIL WITH A HIGHER DRAINED INTERNAL ANGLE OF FRICTION OR A HIGHER UNDRAINED SHEAR STRENGTH IS ENCOUNTERED; THEN THE STABILITY OF THE WINGWALLS IS SATISFACTORY.

**EXISTING STRUCTURE VERIFICATION:**  
 DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05 AND 105.02. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

**ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN:**  
 THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES THAT ARE NOT SEPARATELY LISTED FOR PAYMENT. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES, HEADACHE BALLS, AND/OR HOW RAMS WILL NOT BE PERMITTED. THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER (IF USED) SHALL BE APPROVED BY THE ENGINEER. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05

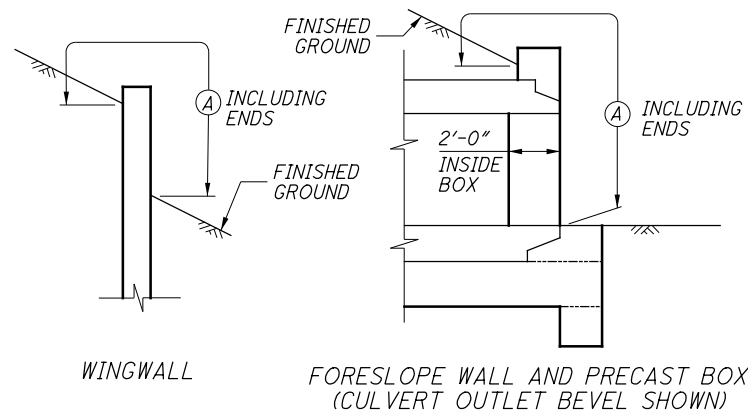
**CUT LINE JOINT PREPARATION:**  
 SAW CUT THE CONSTRUCTION JOINT BETWEEN THE EXISTING CONCRETE AND NEW CONCRETE FULL-DEPTH. ABRASIVELY CLEAN THE CUT JOINT SURFACE TO REMOVE LOOSE AND DISINTEGRATED CONCRETE. INSTALL DOWEL BARS WHERE SHOWN ON THE PLANS. THOROUGHLY CLEAN THE CONSTRUCTION JOINT SURFACE AND ALL SLICED REINFORCEMENT ENDS OF ALL DIRT, DUST, RUST, OR OTHER FOREIGN MATERIAL BY THE USE OF AIR UNDER PRESSURE. THOROUGHLY DRENCH THE CUT CONSTRUCTION JOINT WITH CLEAN WATER AND ALLOW TO DRY TO A DAMP CONDITION BEFORE PLACING THE PROPOSED WINGWALL EXTENSION CONCRETE.

**POROUS BACKFILL WITH FILTER FABRIC:** 1'-6" THICK SHALL BE PLACED BEHIND THE WINGWALLS ONLY AND SHALL EXTEND TO 12" BELOW THE EMBANKMENT SURFACE. GEOTEXTILE FABRIC SHALL BE PLACED BETWEEN THE POROUS BACKFILL AND REPLACED EXCAVATION ADJACENT TO THE STRUCTURE. IT SHALL TURN UNDER THE BOTTOM OF THE POROUS BACKFILL AND RETURN 6" ABOVE THE TOP ELEVATION OF THE WEEPHOLE.

WEEPHOLES SHALL BE PLACED 6" TO 12" ABOVE THE NORMAL WATER ELEVATION OR GROUND LINE AND SHALL HAVE A MAXIMUM SPACING OF 10'-0". A MINIMUM OF ONE WEEPHOLE SHALL BE PROVIDED PER WINGWALL.

**PREFORMED EXPANSION JOINT FILLER:** PREFORMED EXPANSION JOINT FILLER (PEJF) CONFORMING TO CMS 705.03, 1 INCH THICK, SHALL BE PLACED ABOVE THE FOOTING BETWEEN THE SIDES OF THE BOX CULVERT AND THE ENDS OF THE WINGWALLS. PAYMENT FOR MATERIALS AND INSTALLATION SHALL BE INCLUDED WITH ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER.

**SEALING OF FORESLOPE WALL AND WINGWALLS:** ALL EXPOSED FORESLOPE WALL AND WINGWALL CONCRETE SHALL BE SEALED WITH EPOXY-URETHANE SEALER. THE LIMITS SHALL BE AS SHOWN IN THE DIAGRAMS BELOW. PAYMENT FOR THE EPOXY-URETHANE SEALER SHALL BE PER ITEM 512 - SEALING OF CONCRETE SURFACES.



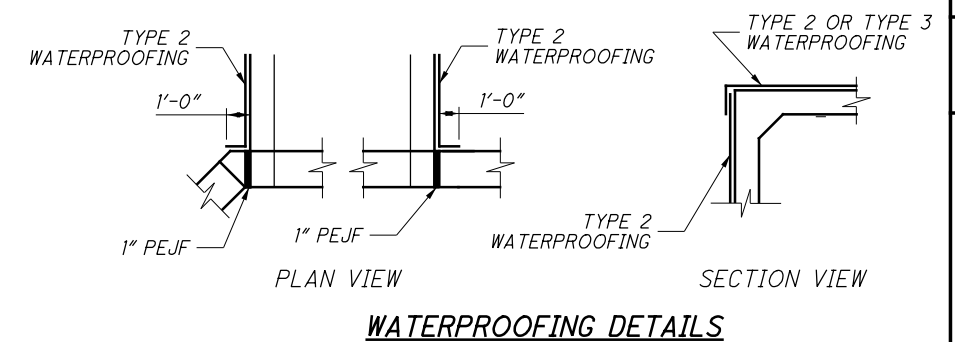
**LIMITS OF ITEM 512-SEALING CONCRETE SURFACES**

(A) - SEAL ENTIRE CONCRETE SURFACE AREA

**WATERPROOFING:** TYPE 2 WATERPROOFING, PER CMS 512.09 AND 711.25, SHALL EXTEND VERTICALLY DOWN THE SIDES OF THE NEW CAST-IN-PLACE CONCRETE WALLS FOR ALL PORTIONS OF THE CULVERT WHICH SHALL BE IN CONTACT WITH THE BACKFILL. PAYMENT FOR THE MEMBRANE WATERPROOFING SHALL BE AT THE CONTRACT PRICE BID PER SQUARE YARD FOR ITEM 512 - TYPE 2 WATERPROOFING.

IF PAVEMENT IS NOT PLACED DIRECTLY ON TOP OF THE CULVERT, TYPE 2 WATERPROOFING, PER CMS 512.09 AND 711.25 SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE NEW CAST-IN-PLACE CONCRETE ROOF SLAB AND SHALL EXTEND ONE FOOT VERTICALLY DOWN THE SIDES FOR ALL PORTIONS OF THE CULVERT WHICH SHALL BE IN CONTACT WITH THE BACKFILL. PAYMENT FOR THE MEMBRANE WATERPROOFING SHALL BE AT THE CONTRACT PRICE BID PER SQUARE YARD FOR ITEM 512 - TYPE 2 WATERPROOFING.

IF PAVEMENT IS TO BE USED DIRECTLY ON TOP OF THE CULVERT, TYPE 3 WATERPROOFING, PER CMS 512.10 AND 711.29 SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE ROOF SLAB AND SHALL EXTEND ONE FOOT VERTICALLY DOWN THE SIDES FOR ALL PORTIONS OF THE CULVERT WHICH SHALL BE IN CONTACT WITH THE BACKFILL. PAYMENT FOR THE MEMBRANE WATERPROOFING SHALL BE AT THE CONTRACT PRICE BID PER SQUARE YARD FOR ITEM 512 - TYPE 3 WATERPROOFING.



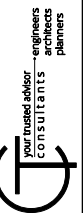
**BASIS OF PAYMENT:** ALL LABOR, EQUIPMENT AND INCIDENTALS REQUIRED TO CONSTRUCT THE FOOTING, CUTOFF WALL, WINGWALLS AND FORESLOPE WALL SHALL BE INCLUDED WITH APPLICABLE 511 ITEMS IN THE ESTIMATED QUANTITIES TABLE. PAYMENT FOR REINFORCING STEEL SHALL BE INCLUDED WITH ITEM 509 - EPOXY COATED REINFORCING STEEL.

ESTIMATED QUANTITIES - SFN 4302370				
ITEM	ITEM EXT	TOTAL	UNIT	DESCRIPTION
202	11201	LUMP		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
503	11100	LUMP		COFFERDAMS AND EXCAVATION BRACING
503	21300	LUMP		UNCLASSIFIED EXCAVATION (WINGWALL FOOTING)
509	10000	11,721	LB	EPOXY COATED REINFORCING STEEL
510	10000	182	EACH	DOWEL HOLES WITH NON-SHRINK, NON-METALLIC GROUT
511	46000	61	SY	CLASS QC1 CONCRETE, RETAINING WALL/WINGWALL NOT INCLUDING FOOTING
511	46510	49	CY	CLASS QC1 CONCRETE, FOOTING
511	46610	0.5	CY	CLASS QC1 CONCRETE, HEADWALL
511	47010	17	CY	CLASS QC1 CONCRETE, CULVERT *
512	10100	46	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	33000	50	SY	TYPE 2 WATERPROOFING
516	13600	38	SF	1" PREFORMED EXPANSION JOINT FILLER
518	21230	LUMP		POROUS BACKFILL WITH GEOTEXTILE FABRIC

\* - TO BE USED FOR EXTENDING AN EXISTING BOX CULVERT

NOTE: TOTALS CARRIED TO GENERAL SUMMARY SHEET

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REVIEWED	TAB	DATE	7/11/2022
STRUCTURE FILE NUMBER			4302370

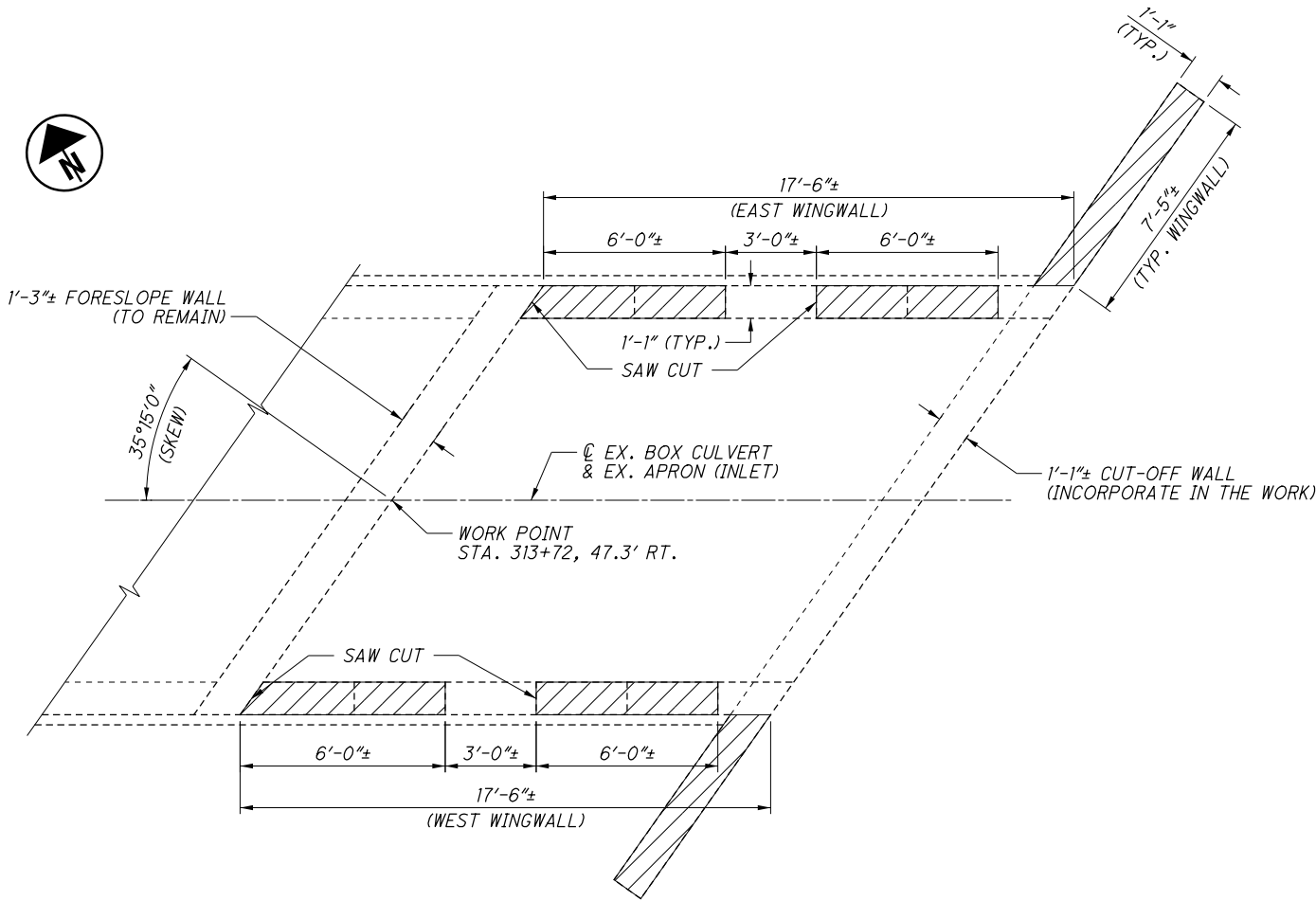
CULVERT BRIDGE NOTES & ESTIMATED QUANTITIES - STA. 313+72  
 BRIDGE NO. LAK-20-2323  
 OVER RED MILL CREEK

LAK-US-20-19.59  
 PART 1  
 PID No. 108665

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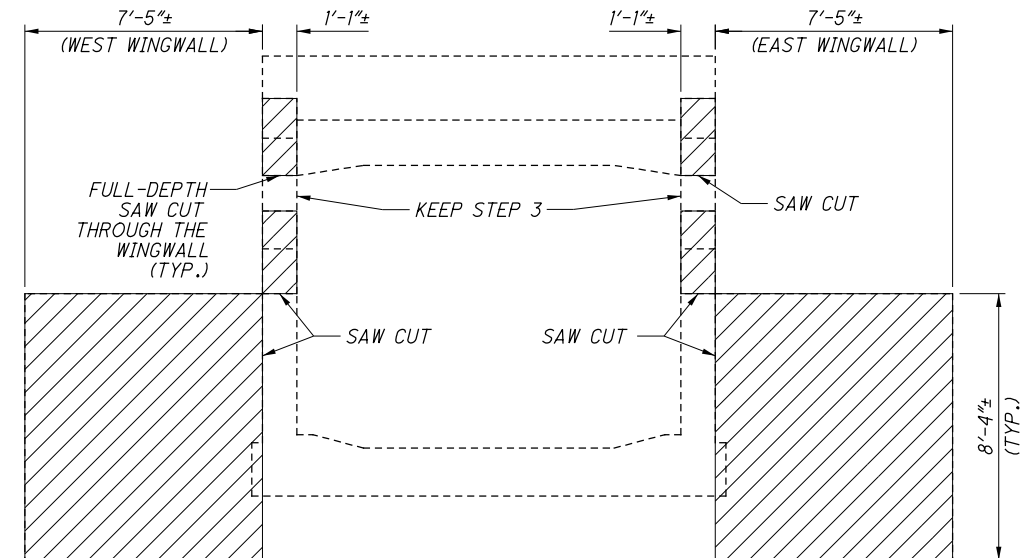
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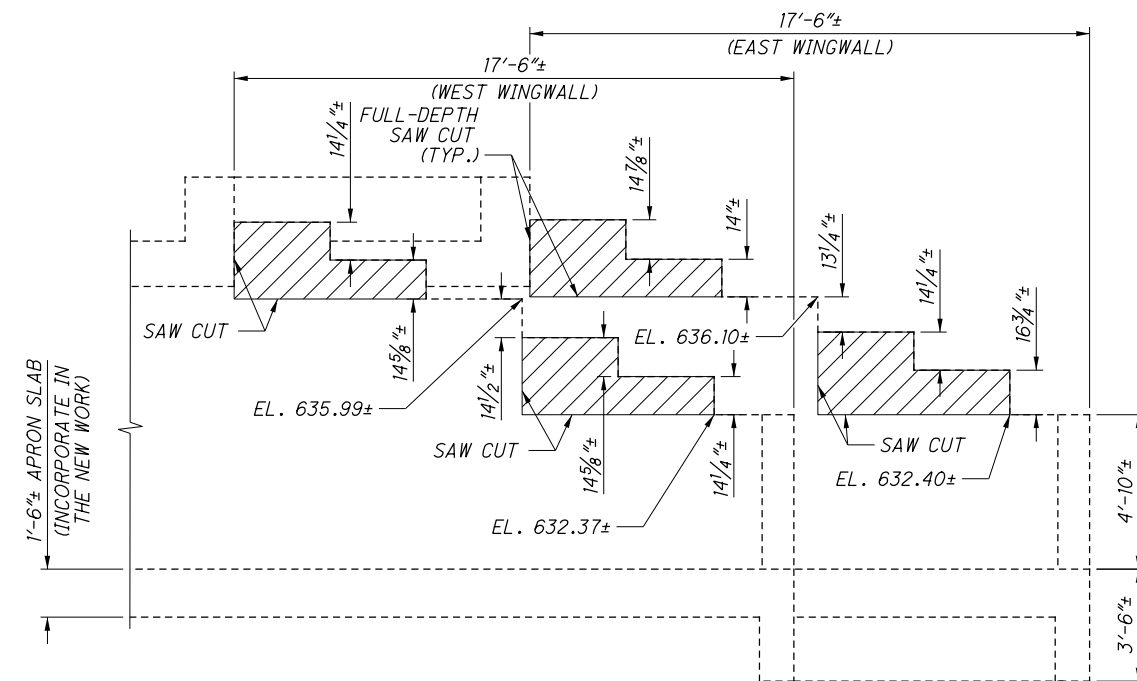
**CULVERT BRIDGE PARTIAL REMOVAL PLAN**

**NOTES:**  
1) FOR RETROFIT DETAILS, SEE SHEETS 3 THRU 6 OF 7.

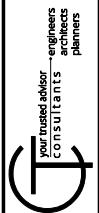
**LEGEND:**  
 INDICATES EXISTING CONCRETE REMOVAL. PAYMENT IS UNDER ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN



**EXISTING INLET WINGWALLS PARTIAL REMOVAL ELEVATION (FRONT)**



**EXISTING INLET WINGWALLS PARTIAL REMOVAL ELEVATION (SIDE)**



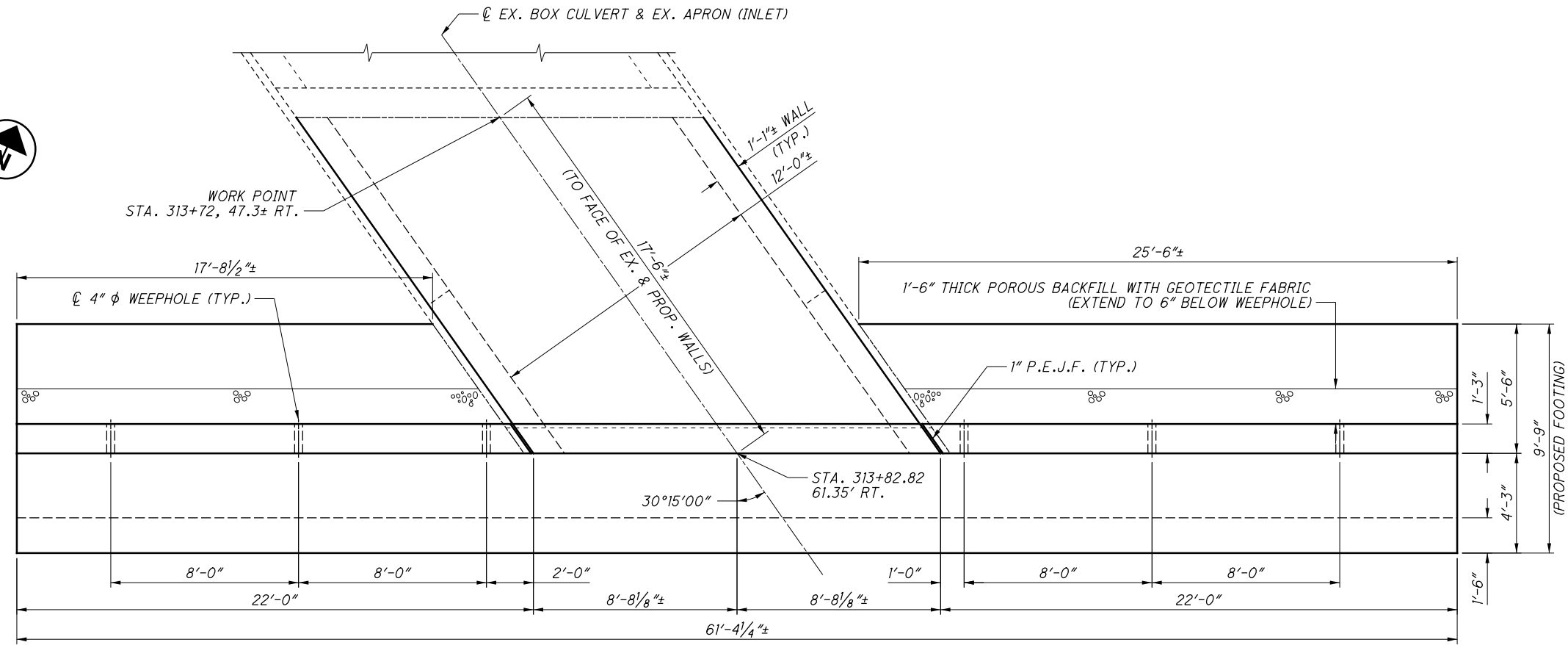
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DRAWN	MLF	REVISION	XXX
REVIEWED	TAB	DATE	7/1/2022
STRUCTURE FILE NUMBER	4302370		

**CULVERT BRIDGE REMOVAL DETAILS - STA. 313+72**  
 BRIDGE NO. LAK-20-2323  
 OVER RED MILL CREEK

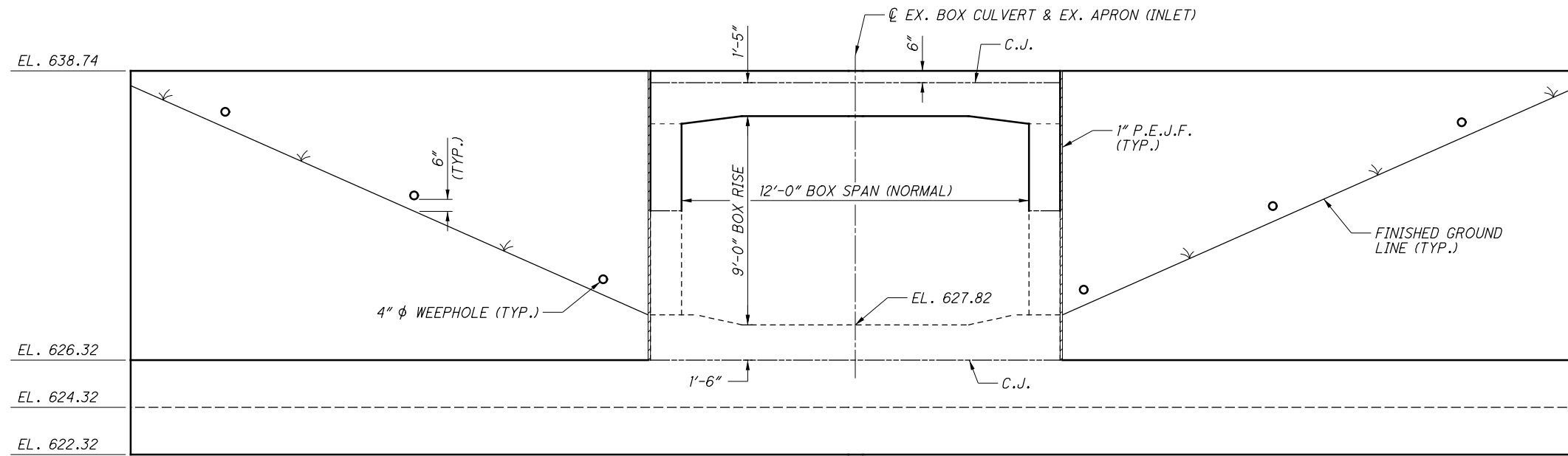
**LAK-US-20-19.59**  
**PART 1**  
 PID No. 108665



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**CULVERT BRIDGE & WINGWALL LAYOUT**



**CULVERT BRIDGE & WINGWALL ELEVATION**



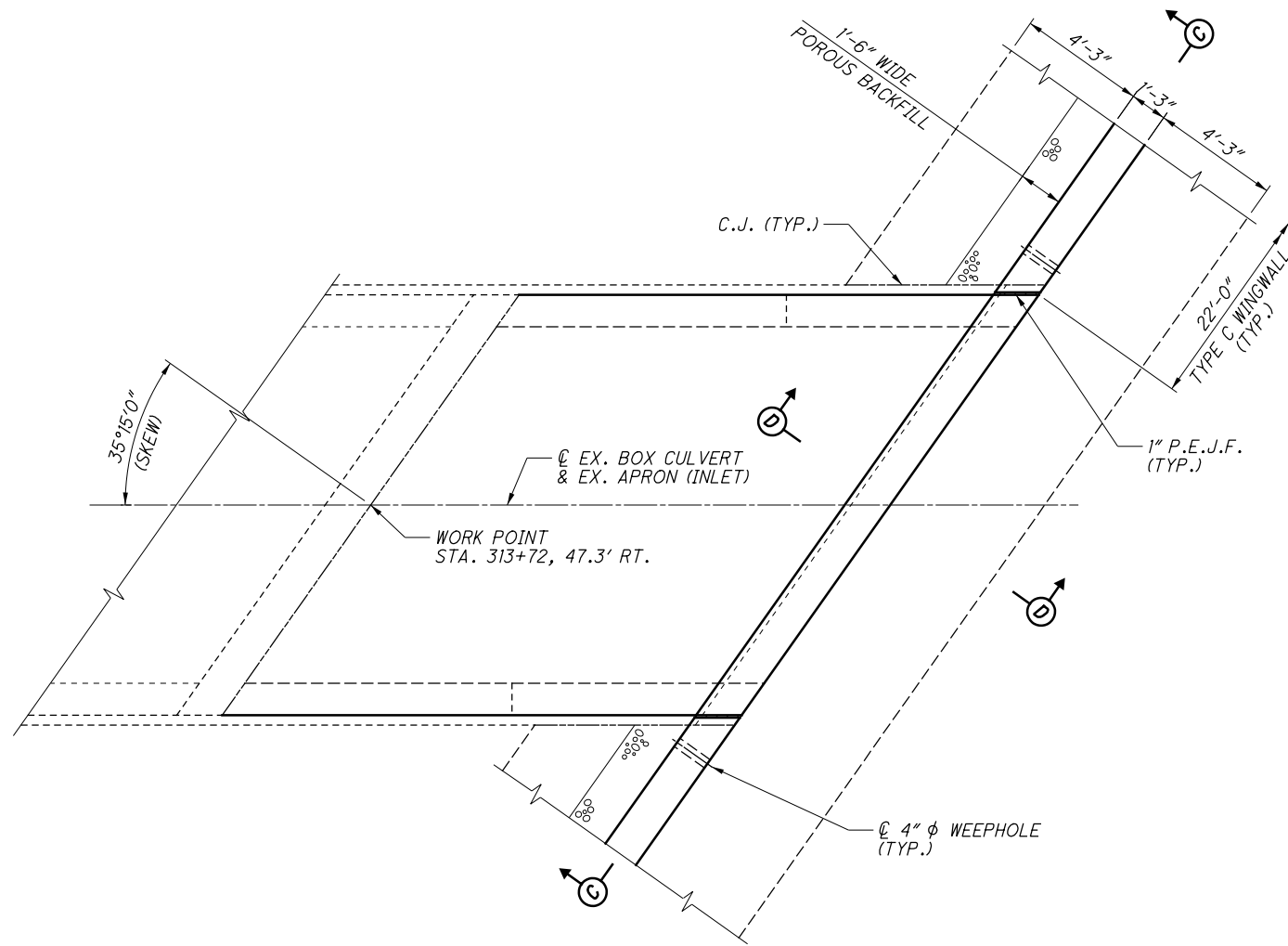
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REVIEWED	TAB	DATE	7/1/2022
STRUCTURE FILE NUMBER	4302370		

**LAK-US-20-19.59**  
**CULVERT BRIDGE & WINGWALL LAYOUT & ELEVATION - STA. 313+72**  
 BRIDGE NO. LAK-20-2323  
 OVER RED MILL CREEK

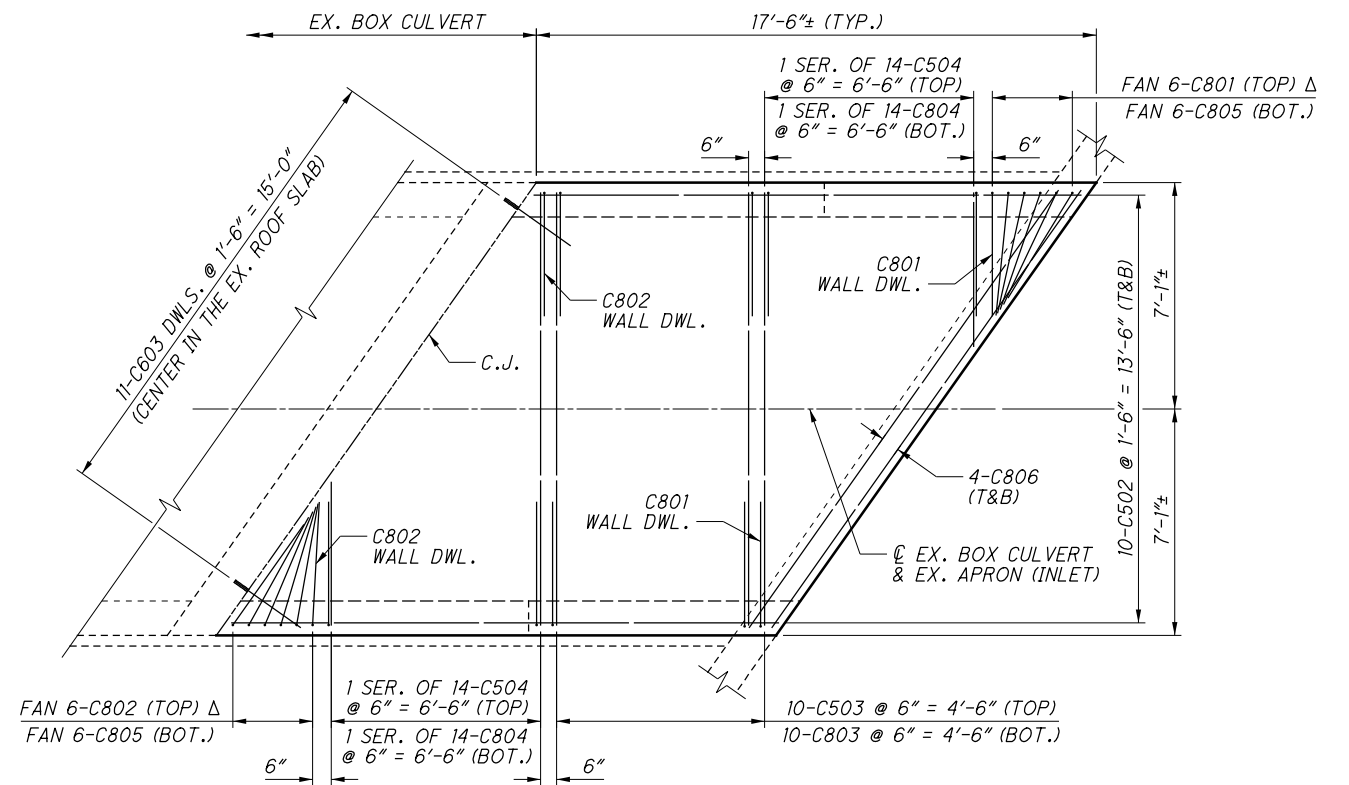
**PART 1**  
 PID No. 108665



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
**CULVERT BRIDGE EXTENSION PLAN**



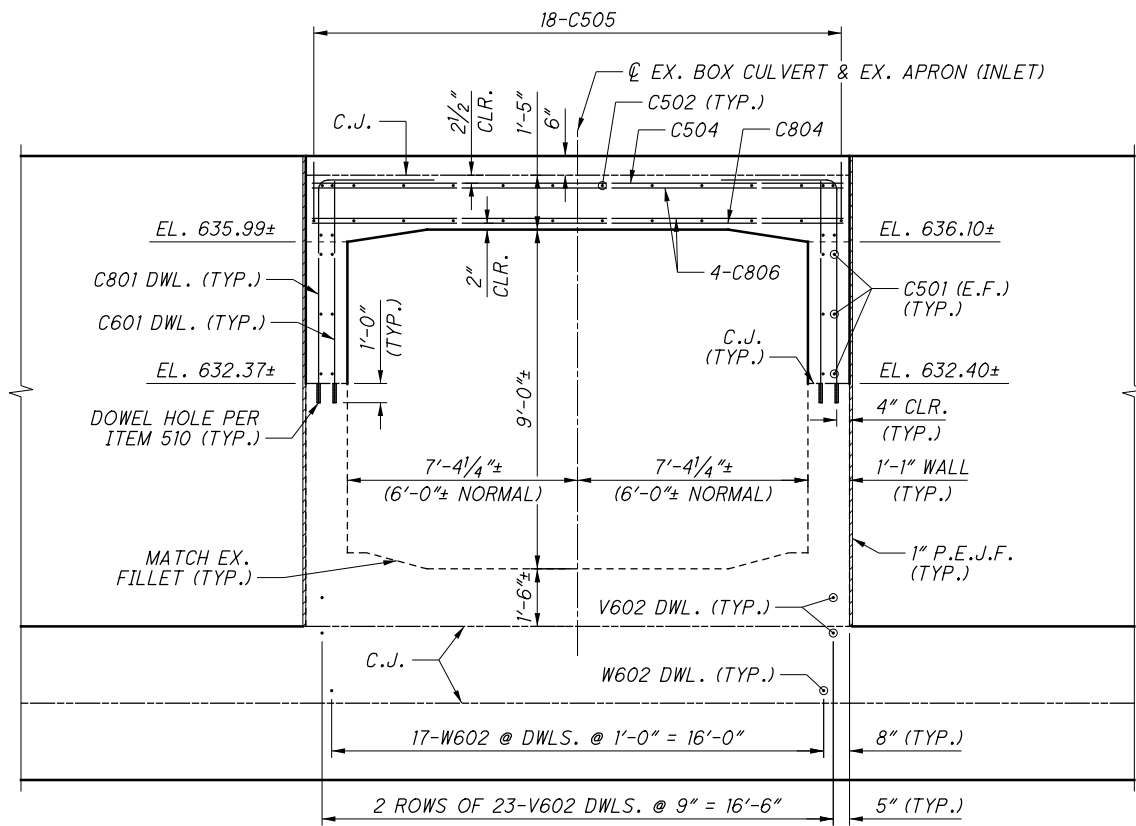
**ROOF SLAB REINFORCING PLAN**

**NOTES:**

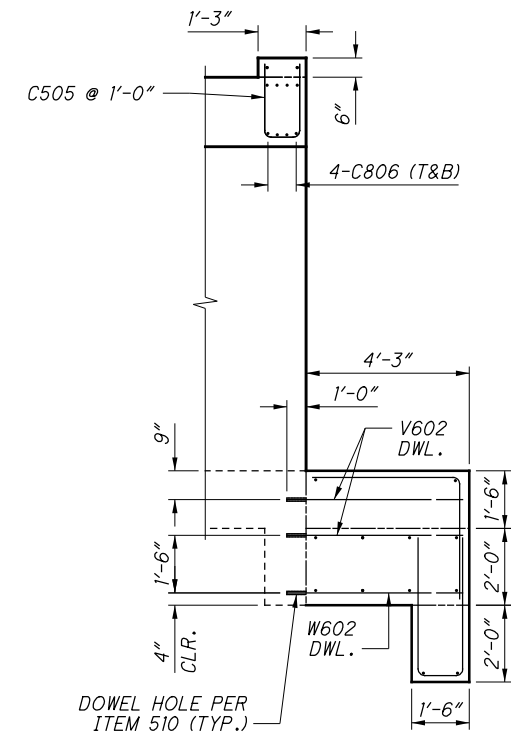
- 1) FOR SECTIONS C-C & D-D, SEE SHEET 5 OF 7.
- 2) FOR EXISTING WINGWALL RETROFIT DETAILS, SEE SHEET 5 OF 7.
- 3) FOR PROPOSED HEADWALL DETAILS, SEE SHEETS 3 & 6 OF 7.

	REVIEWED TAB DATE 7/1/2022	DESIGNED JPR CHECKED MLF	DRAWN MLF REVISOR XXX	STRUCTURE FILE NUMBER 4302370
<b>CULVERT BRIDGE RETROFIT DETAILS 1 - STA. 313+72</b> BRIDGE NO. LAK-20-2323 OVER RED MILL CREEK				
LAK-US-20-19.59 PART 1 PID No. 108665				
4 / 7				
1033 1253				

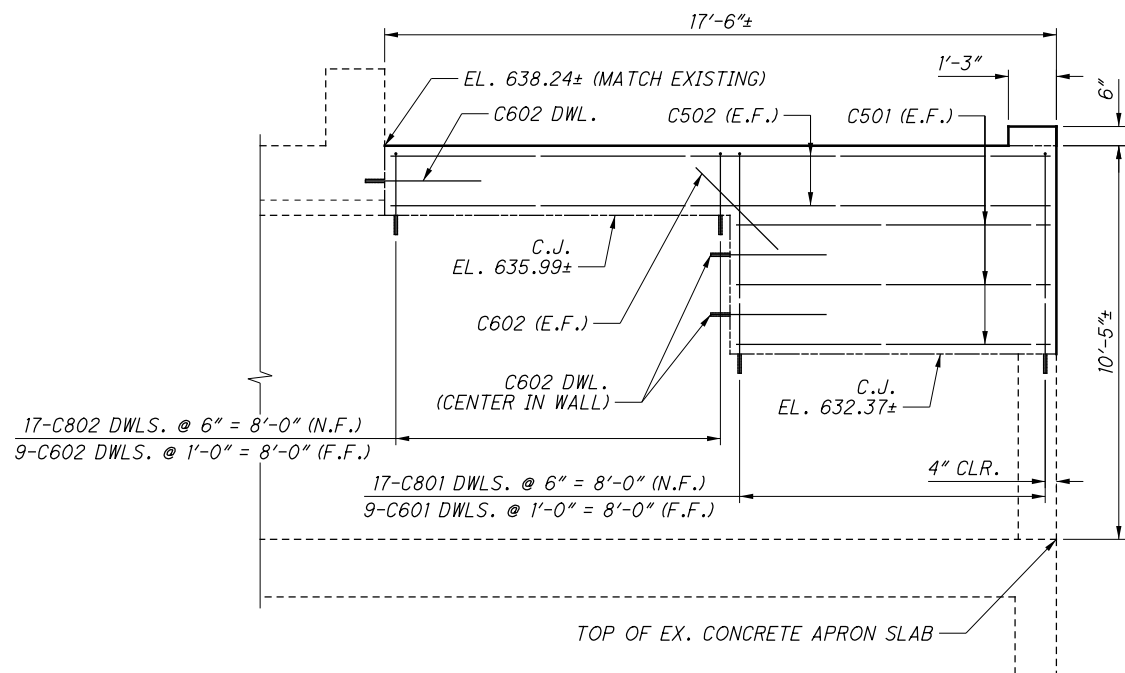
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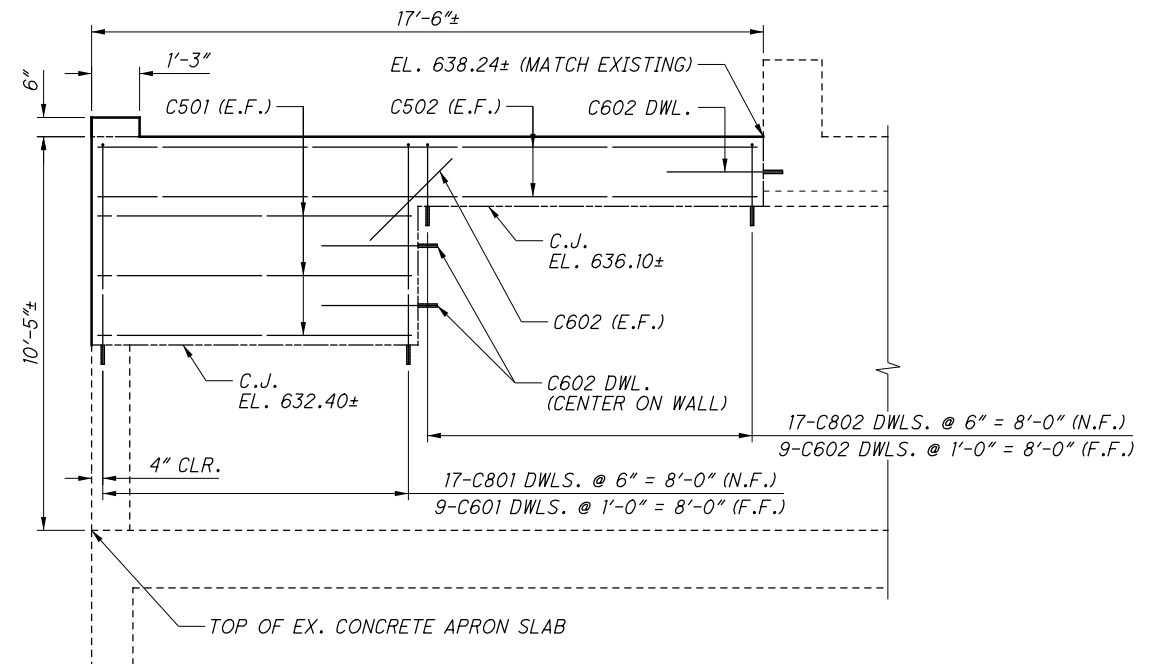
**SECTION C-C**



**SECTION D-D**






**EXISTING WEST WINGWALL RETROFIT ELEVATION**



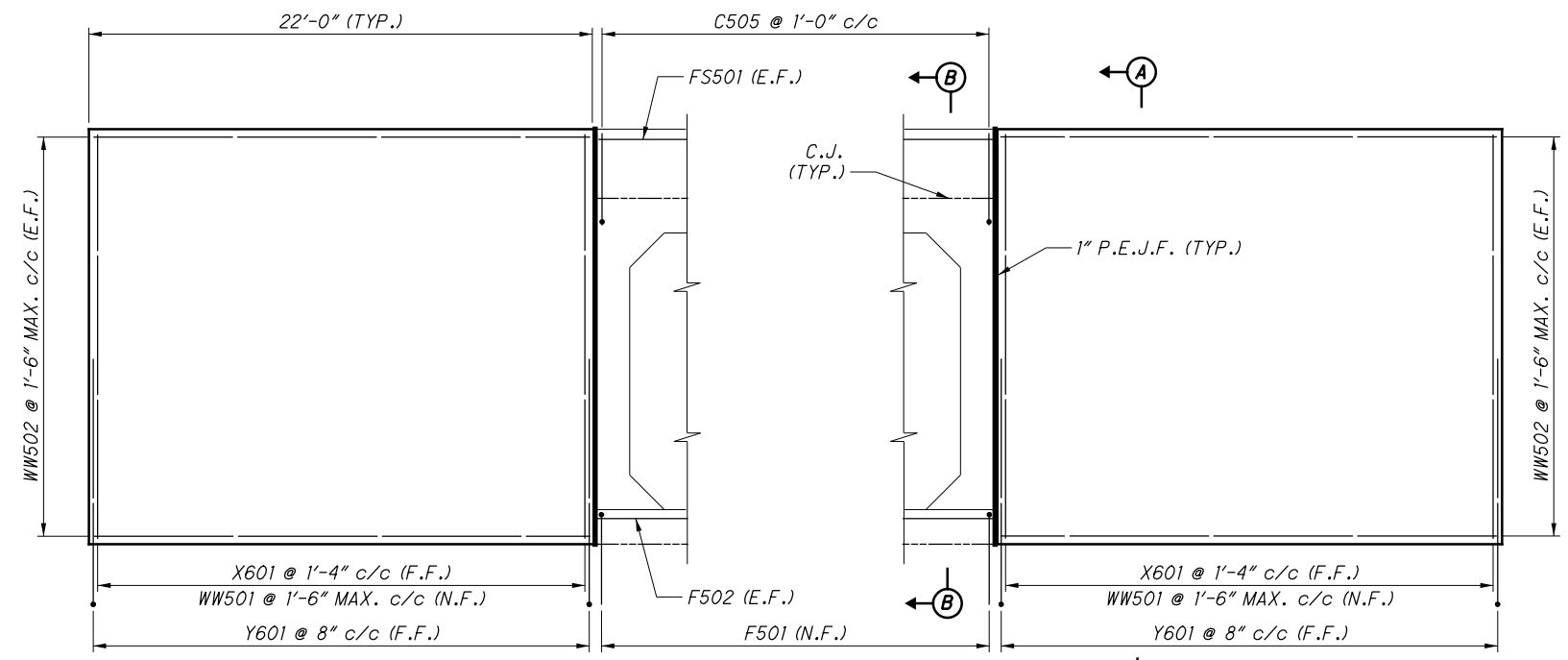
**EXISTING EAST WINGWALL RETROFIT ELEVATION**

**NOTES:**

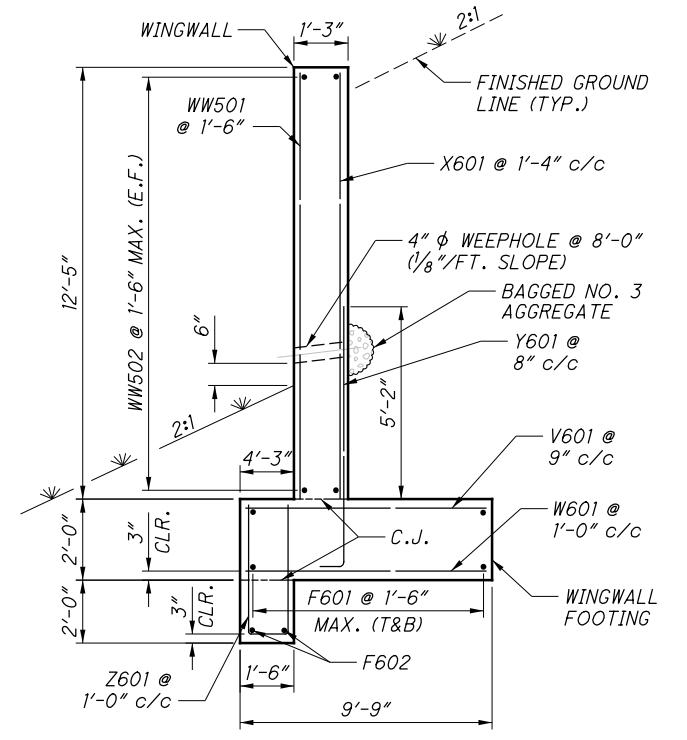
- 1) FOR LOCATION OF SECTIONS C-C & D-D, SEE SHEET 4 OF 7.
- 2) FOR PROPOSED HEADWALL DETAILS, SEE SHEETS 3 & 6 OF 7.


<b>LAK-US-20-19.59</b> <b>PART 1</b> PID No. 108665
<b>CULVERT BRIDGE RETROFIT DETAILS 2 - STA. 313+72</b> BRIDGE NO. LAK-20-2323 OVER RED MILL CREEK
DESIGNED: JPR CHECKED: MLF DRAWN: MLF REVISED: XXX
REVIEWED: TAB DATE: 7/1/2022 STRUCTURE FILE NUMBER: 4302370
5 / 7  

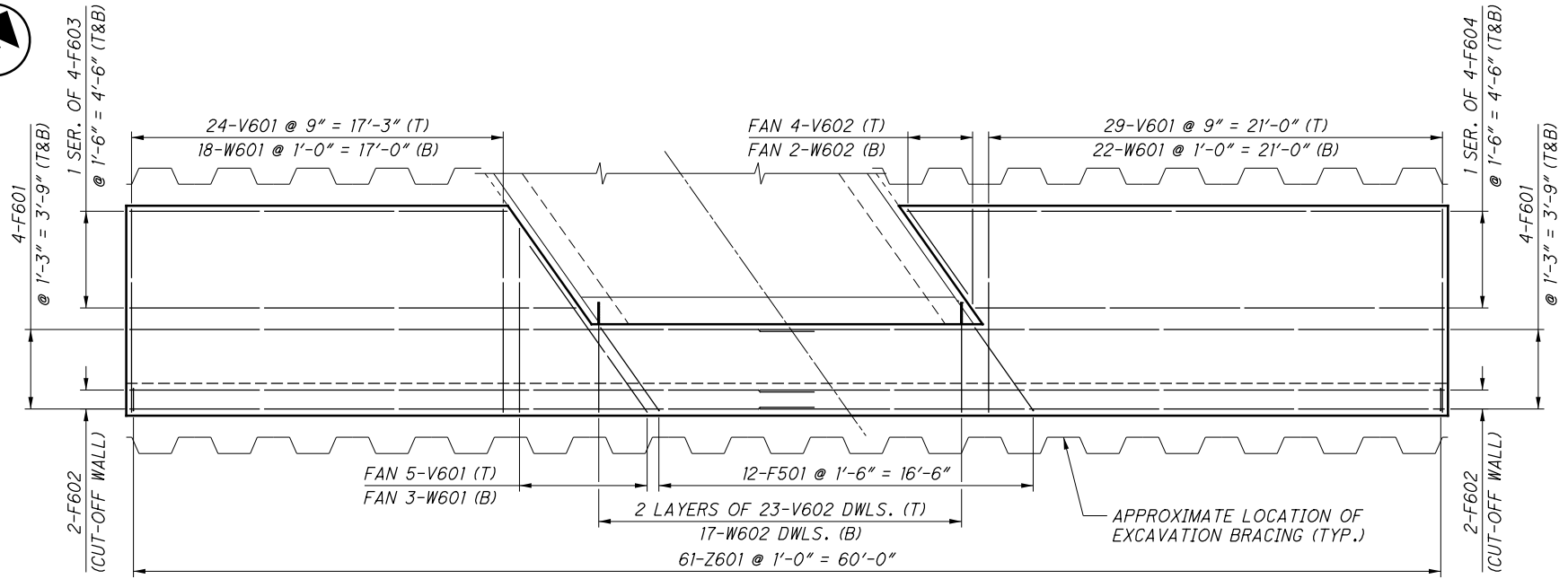
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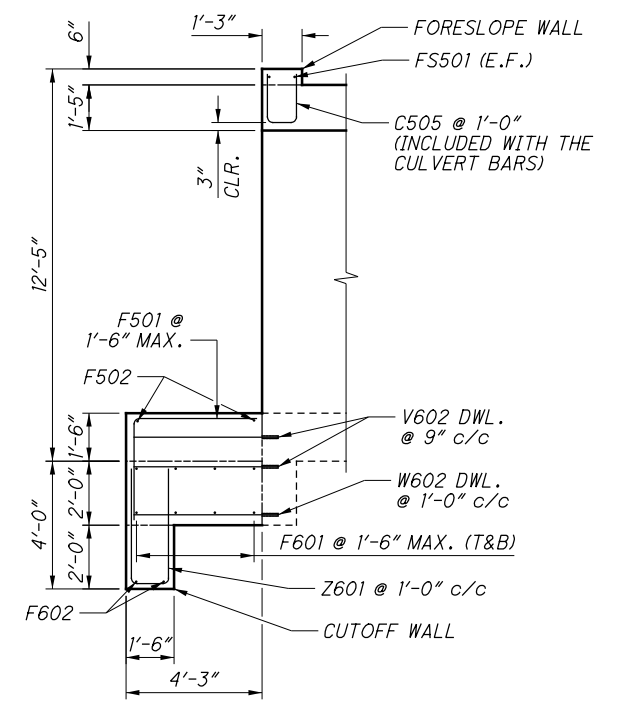
**WINGWALL ELEVATION**  
(FOOTING NOT SHOWN)



**SECTION A-A**  
(POROUS BACKFILL NOT SHOWN FOR CLARITY)



**FOOTING PLAN**  
(THE PROPOSED BOX CULVERT RETROFIT ROOF SLAB IS NOT SHOWN FOR CLARITY)



**SECTION B-B**

- NOTES:**
- 1) FOR CULVERT LOCATION PLAN, SEE SHEETS 465 & 466 OF 1253.
  - 2) FOR CAST-IN-PLACE BOX CULVERT RETROFIT DETAILS, SEE SHEETS 3 THRU 6 OF 7.
  - 3) THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, WW501 IS A NO. 5 BAR. BAR DIMENSIONS SHOWN ARE OUT-TO-OUT. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
  - 4) THE LAP SPLICE LENGTHS USED IN THESE DETAILS ARE AS FOLLOWS: 2'-5" FOR NO. 5 BARS AND 2'-11" FOR NO. 6 BARS.

**LEGEND:**

C.J.	CONSTRUCTION JOINT	N.F.	NEAR FACE
CLR.	CLEAR	SER.	SERIES
DIA.	DIAMETER	STR.	STRAIGHT
E.F.	EACH FACE	(T)	TOP
F.F.	FAR FACE	(B)	BOTTOM
MAX.	MAXIMUM	T&B	TOP AND BOTTOM
MIN.	MINIMUM	TYP.	TYPICAL
PEJF	PREFORMED EXPANSION JOINT FILLER	INC.	INCREMENT

your trusted advisor  
**engineers  
 consultants**

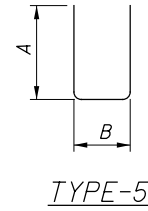
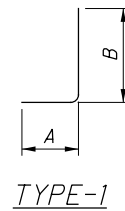
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REVIEWED	TAB	DATE	7/1/2022
STRUCTURE FILE NUMBER	4302370		

**CULVERT BRIDGE WINGWALL REINFORCING DETAILS - STA. 313+72**  
 BRIDGE NO. LAK-20-2323  
 OVER RED MILL CREEK

**LAK-US-20-19.59**  
**PART 1**  
 PID No. 108665

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TYPE C HEADWALL REINFORCING SCHEDULE								
BAR MARK	NUMBER	LENGTH	WEIGHT (LBS.)	TYPE	BAR TYPE DIMENSIONS			INC.
					A	B	C	
WINGWALLS								
X601	34	12'- 3"	626	STR.				
Y601	66	7'- 9"	768	1	1'- 0"	6'- 11"		
WW501	30	12'- 3"	383	STR.				
WW502	36	21'- 8"	814	STR.				
FOOTING & CUTOFF WALL								
V601	58	9'- 5"	821	STR.				
V602	50	5'- 0"	376	STR.				
W601	43	9'- 5"	609	STR.				
W602	19	5'- 0"	143	STR.				
Z601	61	8'- 2"	749	5	3'- 7"	1'- 2"		
F501	12	9'- 9"	122	1	4'- 10"	5'- 0"		
F502	2	17'- 0"	36	STR.				
F601	16	31'- 11"	768	STR.				
F602	4	31'- 11"	192	STR.				
	2	17'- 2"						
F603	SER.	TO	224	STR.				1'- 0"
	OF 4	20'- 2"						
	2	25'- 0"						
F604	SER.	TO	318	STR.				1'- 0"
	OF 4	28'- 0"						
FORESLOPE WALL								
FSS01	2	17'- 0"	36	STR.				
		TOTAL	6,985					



CONCRETE BOX CULVERT EXTENSION								
MARK	NUMBER	LENGTH	WEIGHT	TYPE	DIMENSIONS			INC.
	TOTAL				A	B	C	
C501	12	8'-0"	100	STR.				
C502	28	17'-1"	499	STR.				
C503	10	13'-9"	143	STR.				
	2	4'-3"						
C504	SER.	TO	258	STR.				8 1/2"
	14	13'-5"						
C505	18	3'-10"	72	5	1'-6"	11"		
C601	18	6'-8"	180	STR.				
C602	37	2'-11"	162	STR.				
C801	34	13'-4"	1210	1	6'-8"	3'-10"		
C802	34	6'-7"	598	1	2'-11"	3'-10"		
C803	10	13'-9"	367	STR.				
	2	4'-3"						
C804	SER.	TO	661	STR.				8 1/2"
	14	13'-5"						
C805	12	3'-10"	123	STR.				
C806	8	17'-0"	363	STR.				
TOTAL = 4,736 LBS								

**REINFORCING NOTES:**

- 1) ALL REINFORCING BARS SHALL BE EPOXY COATED.
- 2) THE BAR NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, C501 IS A NUMBER 5 BAR. BAR DIMENSIONS SHOWN ARE OUT-TO-OUT, UNLESS OTHERWISE NOTED.



REVIEWED DATE 7/1/2022  
 TAB STRUCTURE FILE NUMBER 4302370

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 CHECKED MLF  
 REVISIONS XXX

CULVERT BRIDGE REINFORCING SCHEDULES - STA. 313+72  
 BRIDGE NO. LAK-20-2323  
 OVER RED MILL CREEK

LAK-US-20-19.59  
 PART 1  
 PID No. 108665



# RIGHT OF WAY LEGEND SHEET LAK-20-19.59

PART OF LOT 30, TRACT 1  
PAINESVILLE TOWNSHIP  
PART OF LOTS 60, 70, 79, 78, 77, 76, 69, 68  
PERRY TOWNSHIP  
PART OF LOTS 85, 84, 83, 82, 92, 91  
NORTH PERRY VILLAGE & PERRY TOWNSHIP  
LAKE COUNTY, OHIO

## PROJECT DESCRIPTION

MAJOR REHABILITATION OF RIDGE RD. (US 20)  
FROM S.R. 2 TO TOWNLINE ROAD IN PAINESVILLE,  
PERRY AND MADISON TOWNSHIPS. WORK WILL  
INCLUDE MINOR WIDENING AND DRAINAGE REPLACEMENT.

## PROJECT CONTROL

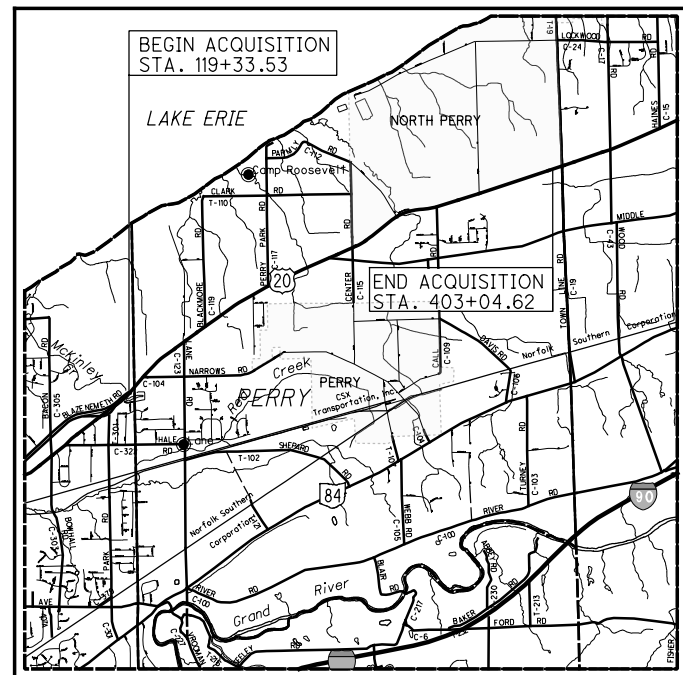
STATE PLANE GRID: NAD83 (2011) (3401-NORTH ZONE)  
PROJECT ADJUSTMENT FACTOR: 1.00000885

## PLANS PREPARED BY:

FIRM NAME : CT CONSULTANTS, INC.  
R/W DESIGNER: PAMELA LEIVO  
R/W REVIEWER: THOMAS MEEKS  
FIELD REVIEWER: PETER KNEZEVIC  
PRELIMINARY FIELD REVIEW DATE: 10/26/20  
TRACINGS FIELD REVIEW DATE: 3/17/2021  
OWNERSHIP UPDATED BY: PAMELA LEIVO  
DATE COMPLETED: 3/19/2021  
PLAN COMPLETION DATE: 3/26/2021

## TYPES OF TITLE LEGEND:

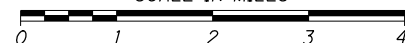
SH = STANDARD HIGHWAY EASEMENT  
T = TEMPORARY EASEMENT



LOCATION MAP

LATITUDE: 41°45'58.7" LONGITUDE: 81°10'51.7"

SCALE IN MILES



UTILITY OWNERS			
TYPE	NAME & ADDRESS		
GAS	DOMINION ENERGY OHIO 320 SPRINGSIDE DR. SUITE 320 AKRON, OHIO 44333 330-664-2409	ORWELL NATURAL GAS 8470 STATION STREET MENTOR, OHIO 44060 440-701-5100	TELECOM: ZAYO FIBER SOLUTIONS 4199 KINROSS LAKES PARKWAY, SUITE 10 RICHFIELD, OHIO 44286 DAVE GALUSKA 234-281-0025
ELEC.	THE ILLUMINATING COMPANY 6896 MILLER RD. BRECKSVILLE, OHIO 44141 440-546-8706 JOHN M ZASSICK	PAINESVILLE CITY POWER 325 RICHMOND STREET PAINESVILLE, OHIO 44077 440-392-5954	
WATER	LAKE COUNTY DEPT. OF UTILITIES 105 MAIN STREET PAINESVILLE, OHIO 44077 SARAH CEROVSKI 440-350-2652	PAINESVILLE CITY WATER DEPT. 459 STORRS STREET PAINESVILLE, OHIO 440-392-2975	STORM SEWER: OHIO DEPT. OF TRANSPORTATION 5500 TRANSPORTATION BLVD. GARFIELD HEIGHTS, OHIO 44125 216-581-2100
COMM	CHARTER COMMUNICATIONS (SPECTRUM) 7820 DIVISION DRIVE MENTOR, OHIO 44060 MATT HANNAH 216-575-8016 EXT. 2165551105	AT&T 13630 LORAIN AVE. 2ND FLOOR CLEVELAND, OHIO 44111 JAMES JANIS 216-476-6142	WINDSTREAM 245 N MAIN STREET HUDSON, OHIO 44236 JEFF GULYAS 216-385-1669

NOTES: THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE OBTAINED FROM THE OWNER OF THE UTILITIES AS REQUIRED BY SECTION 153.64 O.R.C.

## CONVENTIONAL SYMBOLS

County Line	Edge of Shoulder (Ex)
Township Line	Edge of Shoulder (Pr)
Section Line	Ditch / Creek (Ex)
Corporation Line	Ditch / Creek (Pr)
Fence Line (Ex)	Tree Line (Ex)
Center Line	Ownership Hook Symbol
Right of Way (Ex)	Property Line Symbol
Right of Way (Pr)	Break Line Symbol
Standard Highway Ease.(Ex)	Tree (Pr)
Standard Highway Ease.(Pr)	Tree (Ex)
Temporary Right of Way	Shrub (Ex)
Channel Ease. (Pr)	Tree (Remove)
Utility Ease. (Ex)	Shrub (Remove)
Railroad	Evergreen (Ex)
Guardrail (Ex)	Stump
Construction Limits	Evergreen (Remove)
Edge of Pavement (Ex)	Stump (Remove)
Edge of Pavement (Pr)	Wetland (Pr)
	Grass (Pr)
	Aerial Target
	Post (Ex)
	Mailbox (Ex)
	Light (Ex)
	Telephone Marker (Ex)
	Fire Hydrant (Ex)
	Water Meter (Ex)
	Water Valve (Ex)
	Utility Valve Unknown (Ex)
	Telephone Pole (Ex)
	Power Pole (Ex)
	Light Pole (Ex)

## INDEX OF SHEETS:

LEGEND SHEET	1
CENTERLINE PLAT	2-14
PROPERTY MAPS	15-26
SUMMARY OF ADDITIONAL RW	27-49
TOPO SHEETS	50-164 (EVEN)
BOUNDARY SHEETS	51-165 (ODD)

## STRUCTURE KEY

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

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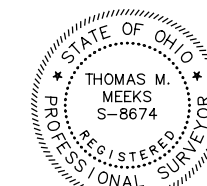
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Thomas M. Meeks, Professional Land Surveyor 8674

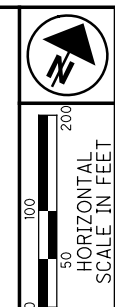
Date:

SURVEYORS SEAL



FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 CALCULATED PSL CHECKED TMM  
**RIGHT OF WAY LEGEND SHEET**  
**LAK-US-20-19.59 PART 1**  
 1 / 165  
 1037 / 1253





PID NO. 108665  
R/W DESIGNER PSL  
R/W REVIEWER TMM

CENTERLINE PLAT

LAK-US-20-19.59  
PART 1

2/165  
1038  
1253

# LAK-20-19.59

PART OF LOT 30  
TRACT 1  
T 11 N R 8 W  
PAINESVILLE TOWNSHIP  
LAKE COUNTY, OHIO

### BASIS FOR BEARINGS:

ALL BEARINGS SHOWN ARE FOR PROJECT USE ONLY AND ARE BASED ON OHIO STATE PLANE (3401-NORTH ZONE) COORDINATE SYSTEM NAD83 (2011)

Ⓒ CURVE DATA (B)  
BLASE NEMETH  
P.I.Sta. 97+76.52  
Δ = 4° 30' 00" (RT)  
Dc = 1° 30' 00"  
R = 3,819.72'  
T = 150.08'  
L = 300.00'  
E = 2.95'  
C = 299.92'  
C.B. = N 49° 26' 16" E

Ⓒ CURVE DATA (C)  
BLASE NEMETH  
P.I.Sta. 102+29.24  
Δ = 43° 59' 55" (RT)  
Dc = 27° 59' 59"  
R = 204.63'  
T = 82.67'  
L = 157.14'  
E = 16.07'  
C = 153.31'  
C.B. = N 73° 41' 14" E

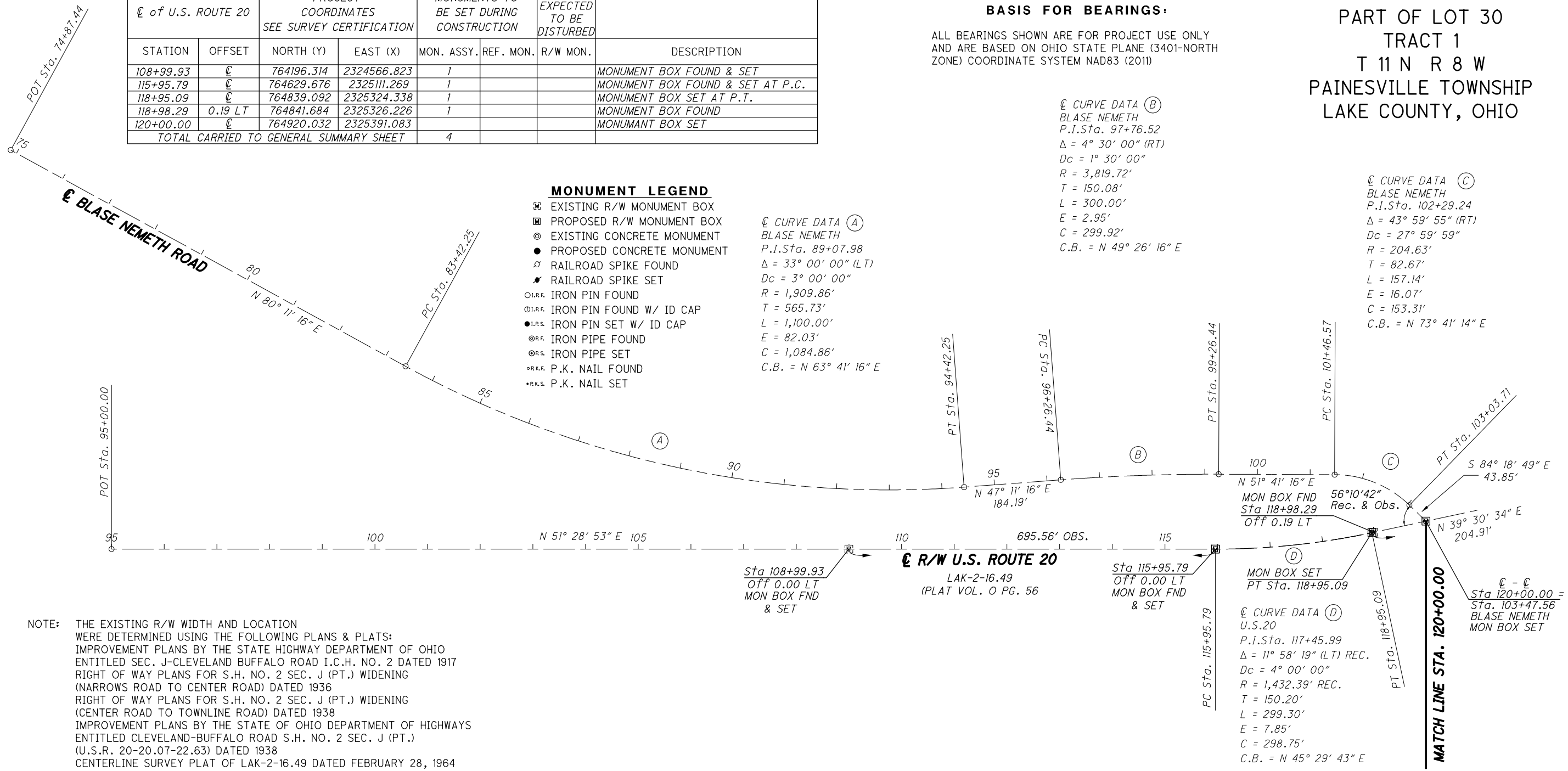
Ⓒ CURVE DATA (D)  
U.S.20  
P.I.Sta. 117+45.99  
Δ = 11° 58' 19" (LT) REC.  
Dc = 4° 00' 00"  
R = 1,432.39' REC.  
T = 150.20'  
L = 299.30'  
E = 7.85'  
C = 298.75'  
C.B. = N 45° 29' 43" E

MONUMENT TABLE							
Ⓒ of U.S. ROUTE 20		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION		R/W MON. EXPECTED TO BE DISTURBED	
STATION	OFFSET	NORTH (Y)	EAST (X)	MON. ASSY.	REF. MON.	R/W MON.	DESCRIPTION
108+99.93	Ⓒ	764196.314	2324566.823	1			MONUMENT BOX FOUND & SET
115+95.79	Ⓒ	764629.676	2325111.269	1			MONUMENT BOX FOUND & SET AT P.C.
118+95.09	Ⓒ	764839.092	2325324.338	1			MONUMENT BOX SET AT P.T.
118+98.29	0.19 LT	764841.684	2325326.226	1			MONUMENT BOX FOUND
120+00.00	Ⓒ	764920.032	2325391.083				MONUMENT BOX SET
TOTAL CARRIED TO GENERAL SUMMARY SHEET				4			

### MONUMENT LEGEND

- ☒ EXISTING R/W MONUMENT BOX
- ☒ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊗ RAILROAD SPIKE FOUND
- ⊕ RAILROAD SPIKE SET
- ⊙ I.P.F. IRON PIN FOUND
- ⊙ I.P.S. IRON PIN SET W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

Ⓒ CURVE DATA (A)  
BLASE NEMETH  
P.I.Sta. 89+07.98  
Δ = 33° 00' 00" (LT)  
Dc = 3° 00' 00"  
R = 1,909.86'  
T = 565.73'  
L = 1,100.00'  
E = 82.03'  
C = 1,084.86'  
C.B. = N 63° 41' 16" E



NOTE: THE EXISTING R/W WIDTH AND LOCATION WERE DETERMINED USING THE FOLLOWING PLANS & PLATS:  
 IMPROVEMENT PLANS BY THE STATE HIGHWAY DEPARTMENT OF OHIO ENTITLED SEC. J-CLEVELAND BUFFALO ROAD I.C.H. NO. 2 DATED 1917  
 RIGHT OF WAY PLANS FOR S.H. NO. 2 SEC. J (PT.) WIDENING (NARROWS ROAD TO CENTER ROAD) DATED 1936  
 RIGHT OF WAY PLANS FOR S.H. NO. 2 SEC. J (PT.) WIDENING (CENTER ROAD TO TOWNLINE ROAD) DATED 1938  
 IMPROVEMENT PLANS BY THE STATE OF OHIO DEPARTMENT OF HIGHWAYS ENTITLED CLEVELAND-BUFFALO ROAD S.H. NO. 2 SEC. J (PT.) (U.S.R. 20-20.07-22.63) DATED 1938  
 CENTERLINE SURVEY PLAT OF LAK-2-16.49 DATED FEBRUARY 28, 1964 RECORDED IN VOL. 0, PG. 56 OF LAKE COUNTY PLAT RECORDS  
 PLAT OF DETACHMENT FROM THE VILLAGE OF NORTH PERRY DATED FEB. 23, 1940 RECORDED IN VOLUME H, PAGES 113-120 OF LAKE COUNTY PLAT RECORDS  
 DEDICATION PLAT OF LANE ROAD EXTENSION DATED JULY 23, 1996 RECORDED IN VOLUME 27, PAGE 9 LAKE COUNTY PLAT RECORDS  
 DEDICATION PLAT OF SPRING LAKE BOULEVARD DATED JUNE 4, 2004 RECORDED IN VOLUME 47, PAGE 3 LAKE COUNTY PLAT RECORDS

SETTING OF ALL MONUMENTS SHALL BE PERFORMED BY A SURVEYOR REGISTERED IN THE STATE OF OHIO. THE MONUMENT ASSEMBLIES AND REFERENCE MONUMENTS WILL BE INSTALLED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE IRON PIN AND CAP (WHEN REQUIRED) ARE TO BE INSTALLED BY THE CONTRACTOR'S SURVEYOR.

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Date:

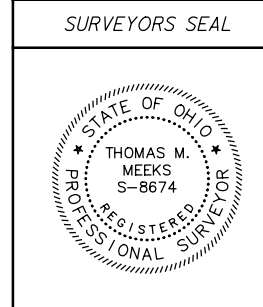
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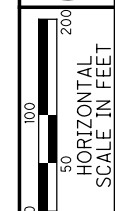
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COUNTY RECORDER



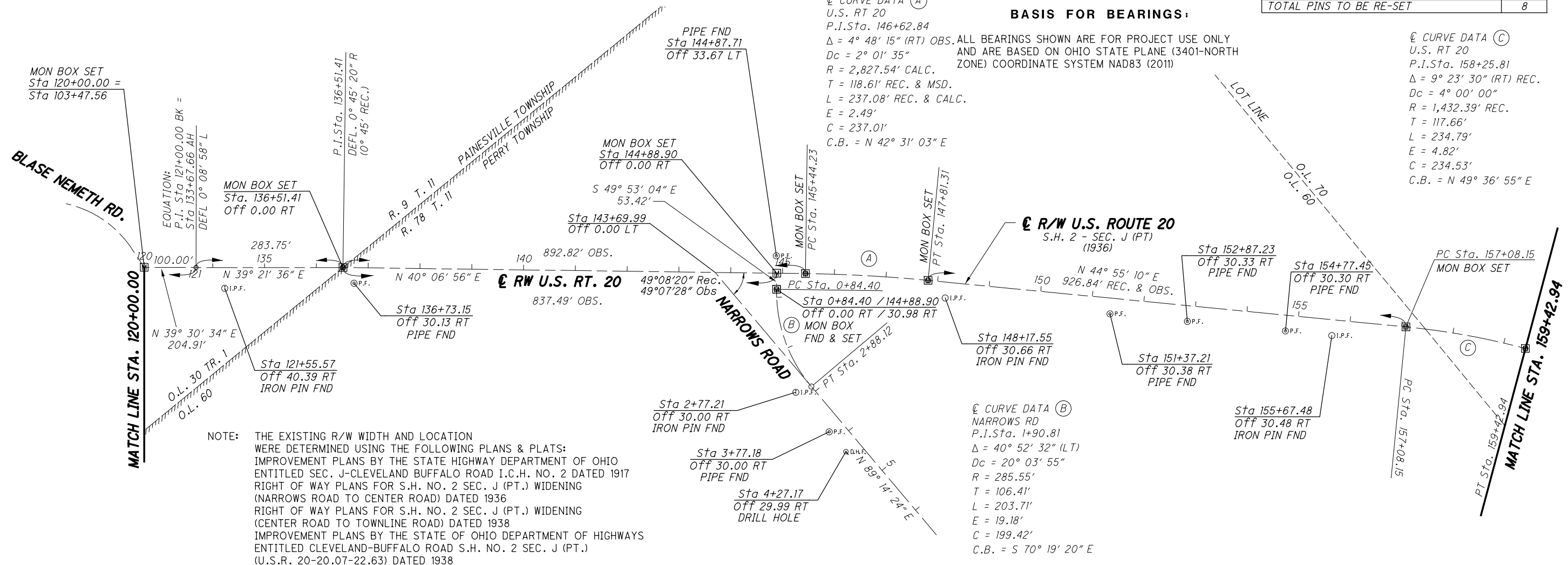


# LAK-20-19.59

## PART OF LOT 30, TRACT 1 PAINESVILLE TOWNSHIP PART OF LOTS 60 & 70 PERRY TOWNSHIP T 11 N R 8 W LAKE COUNTY, OHIO

MONUMENT TABLE						
of U.S. ROUTE 20		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION		R/W MON. EXPECTED TO BE DISTURBED
STATION	OFFSET	NORTH (Y)	EAST (X)	MON. ASSY.	REF. MON.	R/W MON.
136+51.41	℄	765216.573	2325634.654	1		
144+88.90	℄	765857.039	2326174.273	1		
144+88.90	30.98 RT	765837.076	2326197.967	1		
145+44.23	℄	765899.356	2326209.926	1		
147+81.31	℄	766074.050	2326370.102	1		
157+08.15	℄	766730.344	2327024.556	1		
159+42.94	℄	766882.299	2327203.199	1		
TOTAL CARRIED TO GENERAL SUMMARY SHEET				7		

MONUMENT TABLE			
of U.S. ROUTE 20		DESCRIPTION	PINS TO BE RE-SET
STATION	OFFSET	DESCRIPTION	PINS TO BE RE-SET
121+55.57	40.39 RT	IRON PIN FOUND	1
136+73.15	30.13 RT	IRON PIPE FOUND	1
144+87.71	33.67 LT	IRON PIPE FOUND	1
148+17.55	30.66 RT	IRON PIN FOUND	1
151+37.21	30.38 RT	IRON PIPE FOUND	1
152+87.23	30.33 RT	IRON PIPE FOUND	1
154+77.45	30.30 RT	IRON PIPE FOUND	1
155+67.48	30.48 RT	IRON PIPE FOUND	1
TOTAL PINS TO BE RE-SET			8



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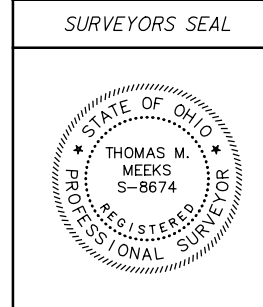
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Date:



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COUNTY RECORDER

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MONUMENT TABLE								
℄ of U.S. ROUTE 20		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION		MON BOX ADJUSTED TO GRADE		
STATION	OFFSET	NORTH (Y)	EAST (X)	MON. ASSY.	REF. MON.	R/W MON.	DESCRIPTION	
172+84.11	160.49 RT	767534.363	2328386.115				MONUMENT BOX FOUND	
173+51.53	33.93 RT	767676.482	2328367.048				MONUMENT BOX FOUND	
173+57.38	℄	767707.456	2328352.002			1	MON BOX FND. ADJUST TO GRADE	
173+80.57	131.28 LT	767827.611	2328294.251				MONUMENT BOX FOUND	
175+28.32	340.26 LT	768083.534	2328292.337				MONUMENT BOX FOUND	
TOTAL CARRIED TO GENERAL SUMMARY SHEET							1	

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# LAK-20-19.59

PART OF LOTS 69 & 70  
T 11 N R 8 W  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

MONUMENT TABLE			
℄ of U.S. ROUTE 20			PINS TO BE RE-SET
STATION	OFFSET	DESCRIPTION	
166+02.27	29.96 RT	IRON PIN FOUND	1
TOTAL PINS TO BE RE-SET			1

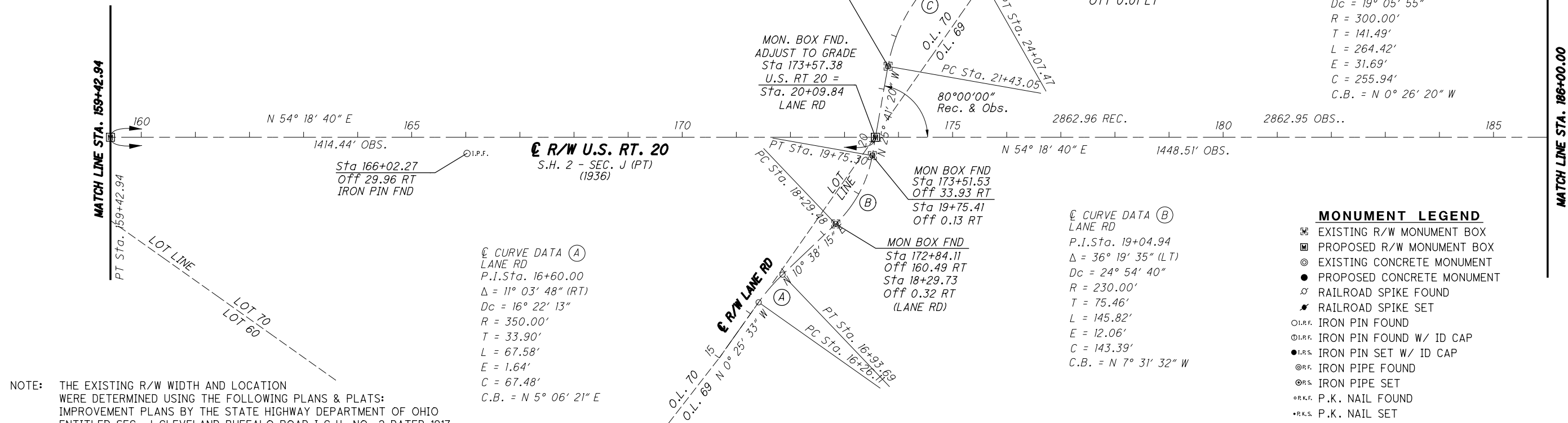
℄ CURVE DATA (D)  
LANE RD  
P.I.Sta. 26+05.44  
Δ = 25° 29' 44" (LT)  
Dc = 19° 05' 55"  
R = 300.00'  
T = 67.87'  
L = 133.49'  
E = 7.58'  
C = 132.40'  
C.B. = N 12° 03' 48" E

℄ CURVE DATA (C)  
LANE RD  
P.I.Sta. 22+84.54  
Δ = 50° 30' 00" (RT)  
Dc = 19° 05' 55"  
R = 300.00'  
T = 141.49'  
L = 264.42'  
E = 31.69'  
C = 255.94'  
C.B. = N 0° 26' 20" W

℄ CURVE DATA (B)  
LANE RD  
P.I.Sta. 19+04.94  
Δ = 36° 19' 35" (LT)  
Dc = 24° 54' 40"  
R = 230.00'  
T = 75.46'  
L = 145.82'  
E = 12.06'  
C = 143.39'  
C.B. = N 7° 31' 32" W

### MONUMENT LEGEND

- ☐ EXISTING R/W MONUMENT BOX
- ☐ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ✕ RAILROAD SPIKE FOUND
- ✕ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ P.F. IRON PIPE FOUND
- ⊙ P.S. IRON PIPE SET
- ⊙ R.K.F. P.K. NAIL FOUND
- R.K.S. P.K. NAIL SET



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### BASIS FOR BEARINGS:

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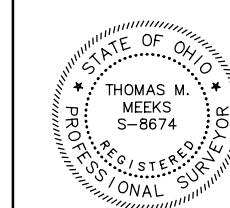
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Thomas M. Meeks, Professional Land Surveyor 8674

Date:

RECEIVED \_\_\_\_\_, 20\_\_\_\_  
RECORDED \_\_\_\_\_, 20\_\_\_\_  
BOOK \_\_\_\_\_ PAGE \_\_\_\_\_  
COUNTY RECORDER

SURVEYORS SEAL



**CENTERLINE PLAT**

LAK-US-20-19.59  
PART 1

PID NO. 108665

R/W DESIGNER PSL TMM  
R/W REVIEWER TMM

4 / 165

1040  
1253

MONUMENT TABLE			
☐ of U.S. ROUTE 20			PINS TO BE RE-SET
STATION	OFFSET	DESCRIPTION	
190+21.90	261.46 LT	IRON PIN FOUND	1
190+81.00	356.20 LT	IRON PIN FOUND	1
203+18.01	30.02 LT	IRON PIPE FOUND	1
206+21.34	30.06 LT	IRON PIPE FOUND	1
209+23.37	31.68 LT	IRON PIPE FOUND	1
210+07.63	30.06 LT	IRON PIPE FOUND	1
TOTAL PINS TO BE RE-SET			6

# LAK-20-19.59

## PART OF LOTS 68 & 69 T 11 N R 8 W PERRY TOWNSHIP LAKE COUNTY, OHIO

MONUMENT TABLE						
☐ of U.S. ROUTE 20		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION		R/W MON. EXPECTED TO BE DISTURBED
STATION	OFFSET	NORTH (Y)	EAST (X)	MON. ASSY.	REF. MON.	R/W MON.
188+05.89	☐	768552.493	2329528.482	1		
207+22.67	☐	769675.232	2331082.028	1		
210+26.06	☐	769839.597	2331336.860	1		
TOTAL CARRIED TO GENERAL SUMMARY SHEET				3		

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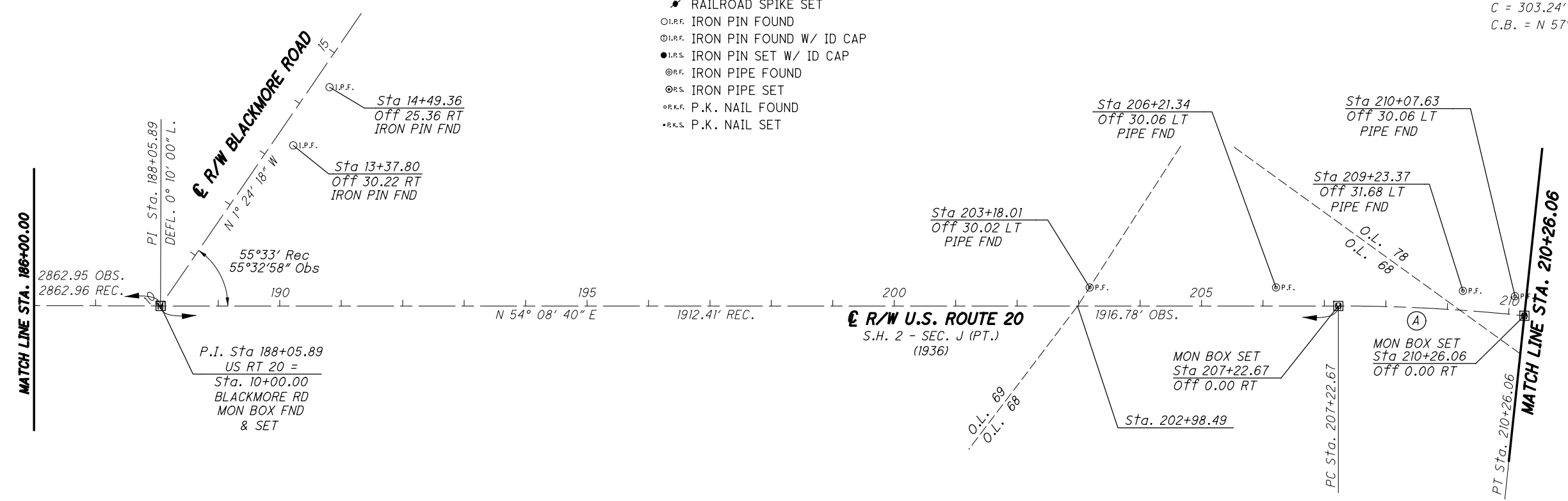
### BASIS FOR BEARINGS:

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☐ R/W CURVE DATA (A)  
U.S. RT 20  
P.I. Sta. 208+74.51  
Δ = 6° 04' 04" (RT) OBS.  
Dc = 2° 00' 00"  
R = 2,864.79' REC. & USED  
T = 151.83'  
L = 303.39' CALC. 303.33' REC.  
E = 4.02'  
C = 303.24'  
C.B. = N 57° 10' 42" E

### MONUMENT LEGEND

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
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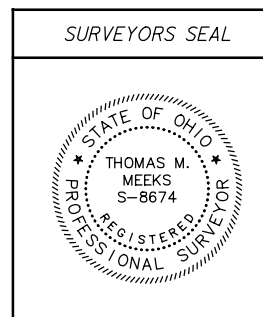
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Thomas M. Meeks, Professional Land Surveyor 8674

Date:



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BOOK \_\_\_\_\_ PAGE \_\_\_\_\_

COUNTY RECORDER

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MONUMENT TABLE

Table with columns: STATION, OFFSET, NORTH (Y), EAST (X), MON. ASSY., REF. MON., R/W MON., DESCRIPTION. Includes rows for stations 219+67.91 through 233+85.09 and a total carried to general summary sheet.

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MONUMENT LEGEND

- EXISTING R/W MONUMENT BOX
PROPOSED R/W MONUMENT BOX
EXISTING CONCRETE MONUMENT
PROPOSED CONCRETE MONUMENT
RAILROAD SPIKE FOUND
RAILROAD SPIKE SET
IRON PIN FOUND
IRON PIN FOUND W/ ID CAP
IRON PIN SET W/ ID CAP
IRON PIPE FOUND
IRON PIPE SET
P.K. NAIL FOUND
P.K. NAIL SET

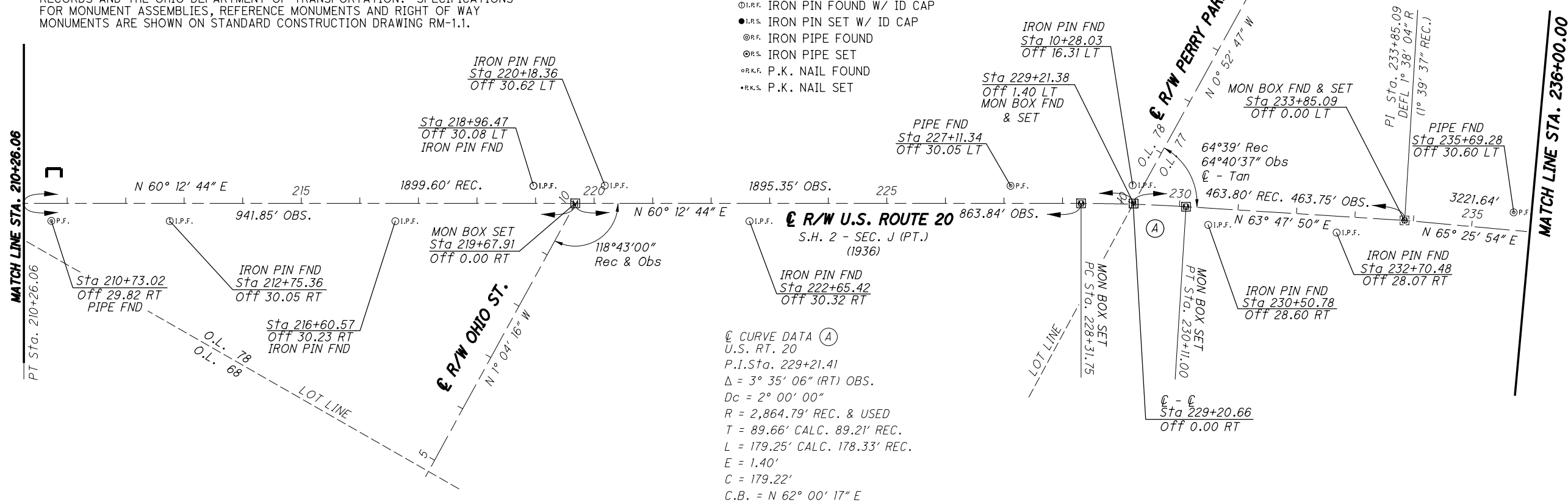
LAK-20-19.59
PART OF LOTS 77 & 78
T 11 N R 8 W
PERRY TOWNSHIP
LAKE COUNTY, OHIO

MONUMENT TABLE

Table with columns: STATION, OFFSET, DESCRIPTION, PINS TO BE RE-SET. Includes rows for stations 210+73.02 through 235+69.28.

BASIS FOR BEARINGS:

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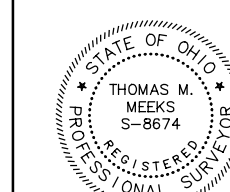
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RECORDED \_\_\_\_\_, 20\_\_\_\_
BOOK \_\_\_\_\_ PAGE \_\_\_\_\_
COUNTY RECORDER

SURVEYORS SEAL



Vertical title block containing: CENTERLINE PLAT, LAK-US-20-19.59 PART 1, PID NO. 108665, R/W DESIGNER PSL, R/W REVIEWER TMM, and a scale of 1" = 100'.

# LAK-20-19.59

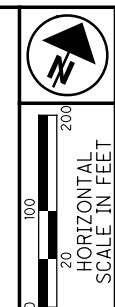
PART OF LOTS 76 & 77  
T 11 N R 8 W  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

MONUMENT TABLE			
℄ of U.S. ROUTE 20			PINS TO BE RE-SET
STATION	OFFSET	DESCRIPTION	
239+09.60	29.89 LT	IRON PIN FOUND	1
243+53.81	30.33 LT	IRON PIN FOUND	1
247+16.02	39.65 RT	IRON PIN FOUND	1
248+16.42	39.54 RT	IRON PIN FOUND	1
249+44.45	40.29 LT	IRON PIN FOUND	1
250+62.81	39.46 RT	IRON PIN FOUND	1
256+48.76	29.34 RT	IRON PIPE FOUND	1
262+62.72	34.05 LT	IRON PIN FOUND	1
TOTAL PINS TO BE RE-SET			8

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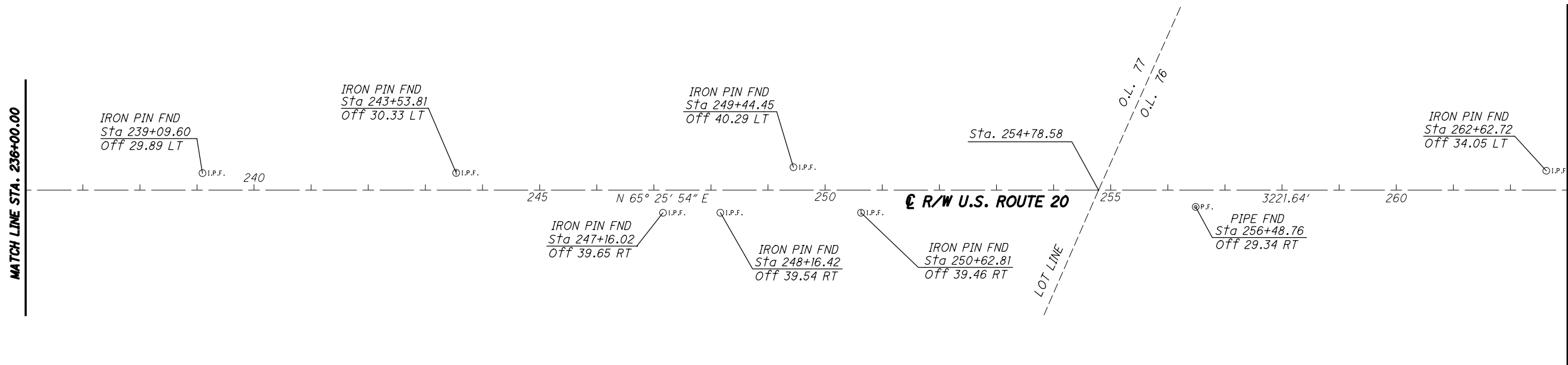


PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

CENTERLINE PLAT

LAK-US-20-19.59  
PART 1

7 / 165  
1043  
1253



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  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
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  - ⚡ RAILROAD SPIKE SET
  - ⊙ I.P.F. IRON PIN FOUND
  - ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.F. IRON PIPE FOUND
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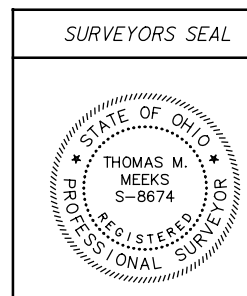
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\_\_\_\_\_  
COUNTY RECORDER



200  
100  
0  
20  
HORIZONTAL  
SCALE IN FEET

PID NO. **108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**CENTERLINE PLAT**

**LAK-US-20-19.59  
PART 1**

8 / 165

1044  
1253

MONUMENT TABLE			
℄ of U.S. ROUTE 20		DESCRIPTION	PINS TO BE RE-SET
STATION	OFFSET		
272+72.22	29.94 RT	IRON PIPE FOUND	1
274+44.17	430.32 RT	IRON PIN FOUND	1
278+34.65	327.54 RT	IRON PIPE FOUND	1
281+36.98	215.60 LT	IRON PIN FOUND	1
TOTAL PINS TO BE RE-SET			4

**LAK-20-19.59**  
**PART OF LOT 76**  
**T 11 N R 8 W**  
**PERRY TOWNSHIP**  
**LAKE COUNTY, OHIO**

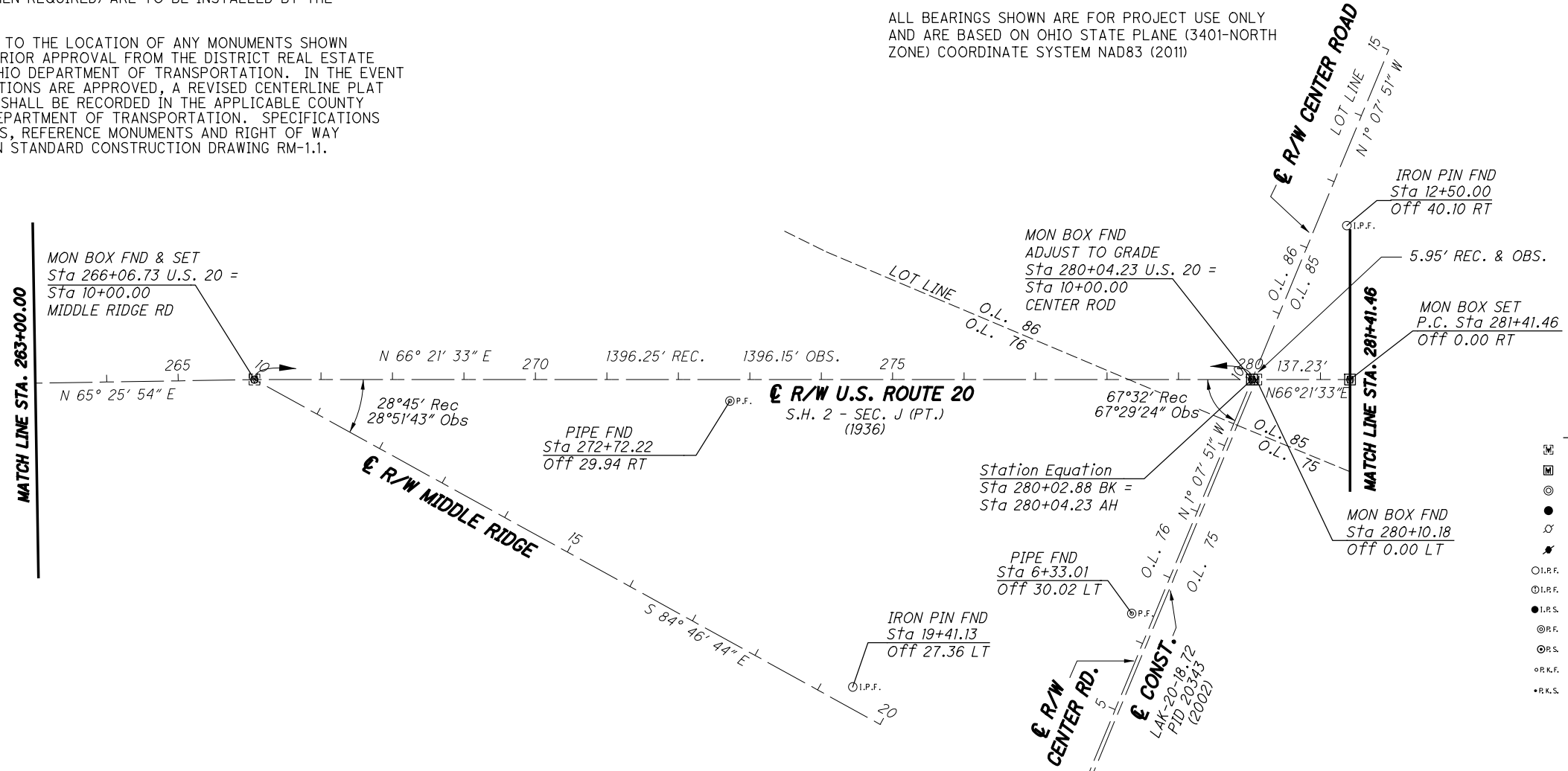
MONUMENT TABLE							
℄ of U.S. ROUTE 20		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION		MON BOX ADJUSTED TO GRADE	
STATION	OFFSET	NORTH (Y)	EAST (X)	MON. ASSY.	REF. MON.	R/W MON.	DESCRIPTION
266+06.73	℄	772325.442	2336327.837	1			MONUMENT BOX FOUND & SET
280+04.23	℄	772885.298	2337606.819			1	MONUMENT BOX FND. ADJUST TO GRADE
280+10.18	℄	772887.688	2337612.269				MONUMENT BOX FOUND
281+41.46	℄	772940.327	2337732.533	1			MONUMENT BOX SET
TOTAL CARRIED TO GENERAL SUMMARY SHEET				2		1	

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Date:

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 BOOK \_\_\_\_\_ PAGE \_\_\_\_\_  
 COUNTY RECORDER

SURVEYORS SEAL





MONUMENT TABLE						
℄ of U.S. ROUTE 20		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION		R/W MON. EXPECTED TO BE DISTURBED
STATION	OFFSET	NORTH (Y)	EAST (X)	MON. ASSY.	REF. MON.	R/W MON.
291+55.62	℄	773464.848	2338597.040	1		MONUMENT BOX SET
305+68.21	℄	774350.984	2339697.123	1		MONUMENT BOX SET
TOTAL CARRIED TO GENERAL SUMMARY SHEET				2		

**LAK-20-19.59**  
**PART OF LOT 85**  
**T 11 N R 8 W**  
**NORTH PERRY VILLAGE**  
**PERRY TOWNSHIP**  
**LAKE COUNTY, OHIO**

MONUMENT TABLE			
℄ of U.S. ROUTE 20			PINS TO BE RE-SET
STATION	OFFSET	DESCRIPTION	
284+98.89	32.79 RT	IRON PIN FOUND	1
288+31.82	46.33 LT	IRON PIN FOUND	1
293+68.70	39.91 LT	IRON PIPE FOUND	1
297+50.05	44.98 LT	IRON PIN FOUND	1
298+00.14	45.02 LT	IRON PIN FOUND	1
301+00.05	40.16 LT	IRON PIN FOUND	1
303+33.16	31.35 RT	IRON PIPE FOUND	1
303+99.98	50.10 LT	IRON PIN FOUND	1
305+68.17	45.02 LT	IRON PIN FOUND	1
TOTAL PINS TO BE RE-SET			9

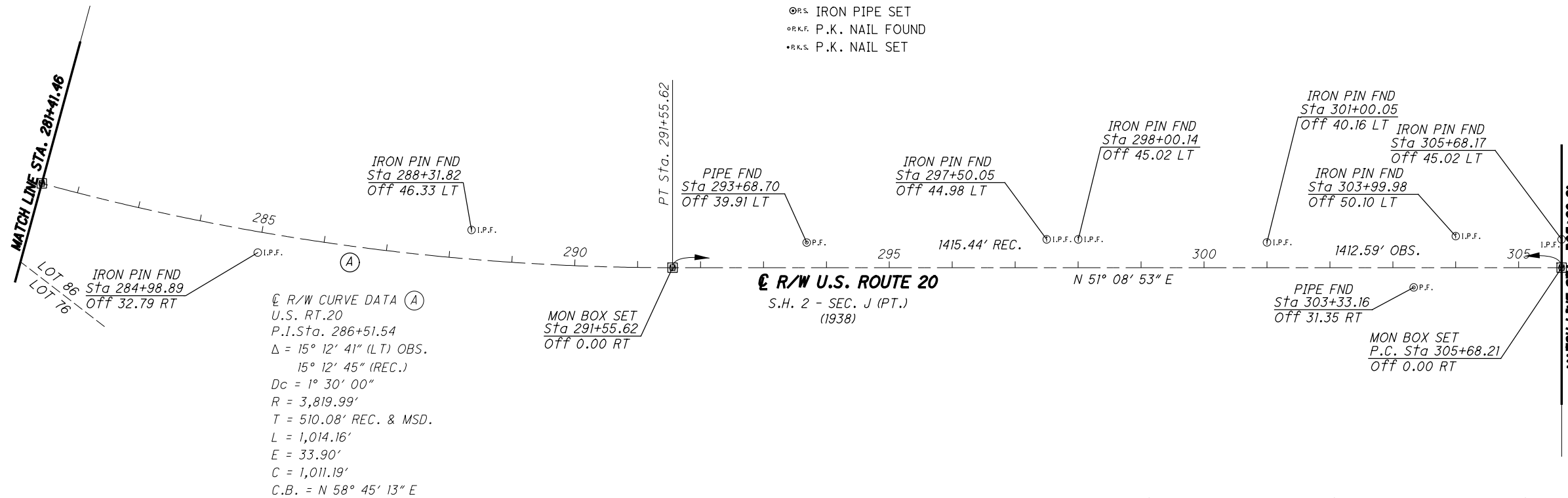
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  - ⊙ EXISTING CONCRETE MONUMENT
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  - ⊘ RAILROAD SPIKE FOUND
  - ✦ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
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**BASIS FOR BEARINGS:**

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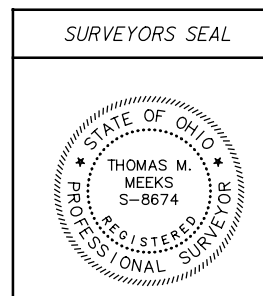
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 COUNTY RECORDER



CENTERLINE PLAT  
 LAK-US-20-19.59  
 PART 1  
 PID NO. 108665  
 R/W DESIGNER PSL TMM  
 R/W REVIEWER TMM  
 9/165  
 1045  
 1253



MONUMENT TABLE			
STATION	OFFSET	DESCRIPTION	PINS TO BE RE-SET
306+50.04	45.21 LT	IRON PIN FOUND	1
309+74.88	232.15 LT	IRON PIN FOUND	1
310+22.72	32.29 RT	IRON PIN FOUND	1
321+24.92	55.01 LT	IRON PIN FOUND	1
322+99.96	50.00 LT	IRON PIN FOUND	1
323+49.92	45.00 LT	IRON PIN FOUND	1
TOTAL PINS TO BE RE-SET			6

## LAK-20-19.59

### PART OF LOTS 84 & 85 T 11 N R 8 W NORTH PERRY VILLAGE PERRY TOWNSHIP LAKE COUNTY, OHIO

MONUMENT TABLE						
℄ of U.S. ROUTE 20		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION		R/W MON. EXPECTED TO BE DISTURBED
STATION	OFFSET	NORTH (Y)	EAST (X)	MON. ASSY.	REF. MON.	R/W MON.
308+57.73	14.69 LT	774533.219	2339923.357	1		
309+93.98	46.30 LT	774632.454	2340023.908	1		
309+94.00	℄	774592.505	2340047.303	1		
320+35.07	12.11 LT	774957.297	2341018.672	1		
321+42.72	℄	774961.150	2341127.151	1		
327+06.55	℄	775033.398	2341686.333	1		
TOTAL CARRIED TO GENERAL SUMMARY SHEET				6		

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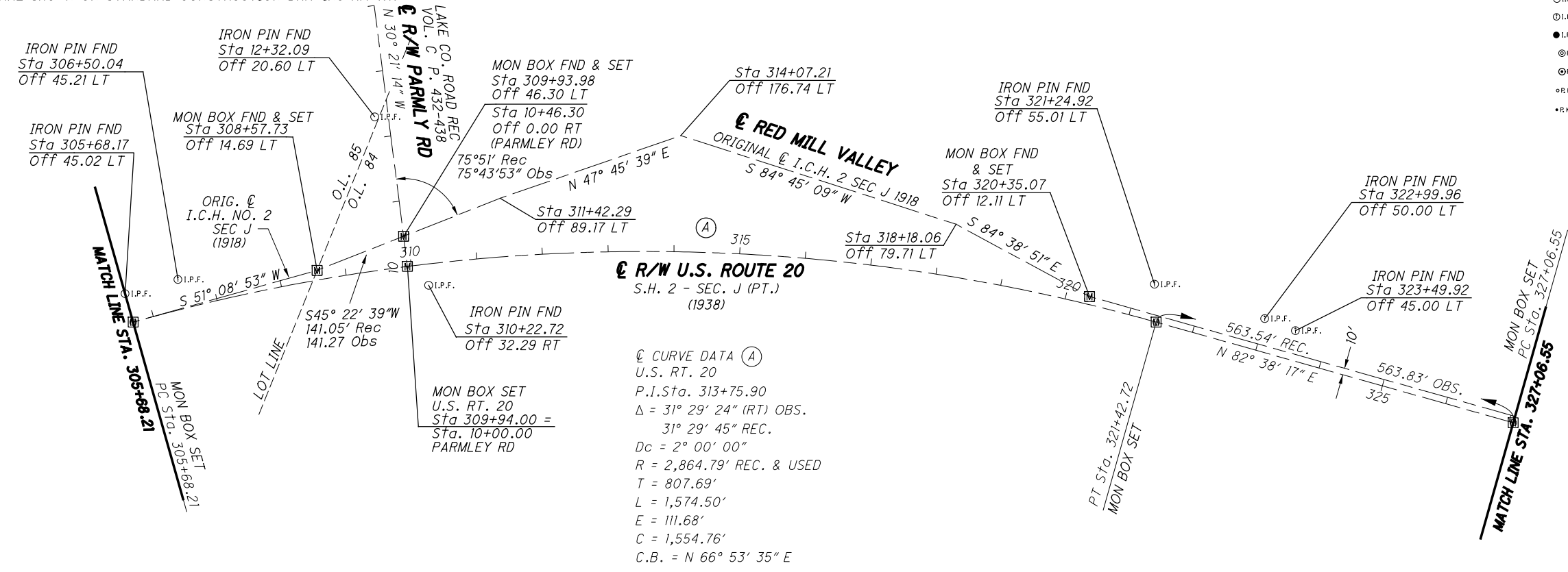
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- ⚡ RAILROAD SPIKE SET
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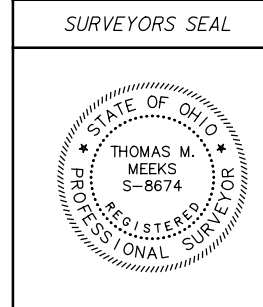
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COUNTY RECORDER





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20  
HORIZONTAL  
SCALE IN FEET

PID NO. **108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**CENTERLINE PLAT**

**LAK-US-20-19.59  
PART 1**

11/165

1047  
1253

MONUMENT TABLE						
℄ of U.S. ROUTE 20		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION		R/W MON. EXPECTED TO BE DISTURBED
STATION	OFFSET	NORTH (Y)	EAST (X)	MON. ASSY.	REF. MON.	R/W MON.
332+79.20	℄	775134.990	2342249.656	1		
337+83.21	℄	775270.505	2342734.945	1		
TOTAL CARRIED TO GENERAL SUMMARY SHEET				2		

**LAK-20-19.59**  
PART OF LOTS 83 & 84  
T 11 N R 8 W  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

MONUMENT TABLE			
℄ of U.S. ROUTE 20			PINS TO BE RE-SET
STATION	OFFSET	DESCRIPTION	
328+76.66	29.32 LT	IRON PIN FOUND	1
328+85.56	25.84 RT	IRON PIN FOUND	1
331+81.79	356.25 RT	IRON PIN FOUND	1
332+89.46	39.88 LT	IRON PIN FOUND	1
334+35.54	43.05 LT	IRON PIN FOUND	1
335+02.08	43.15 LT	IRON PIN FOUND	1
336+10.42	44.85 LT	IRON PIN FOUND	1
337+51.56	32.74 RT	IRON PIN FOUND	1
339+04.81	39.76 LT	IRON PIN FOUND	1
339+20.63	29.43 RT	IRON PIN FOUND	1
340+39.17	28.60 RT	IRON PIN FOUND	1
342+13.94	39.87 LT	IRON PIPE FOUND	1
344+96.56	39.96 LT	IRON PIPE FOUND	1
348+45.22	40.06 RT	IRON PIN FOUND	1
350+67.60	39.93 LT	IRON PIN FOUND	1
TOTAL PINS TO BE RE-SET			15

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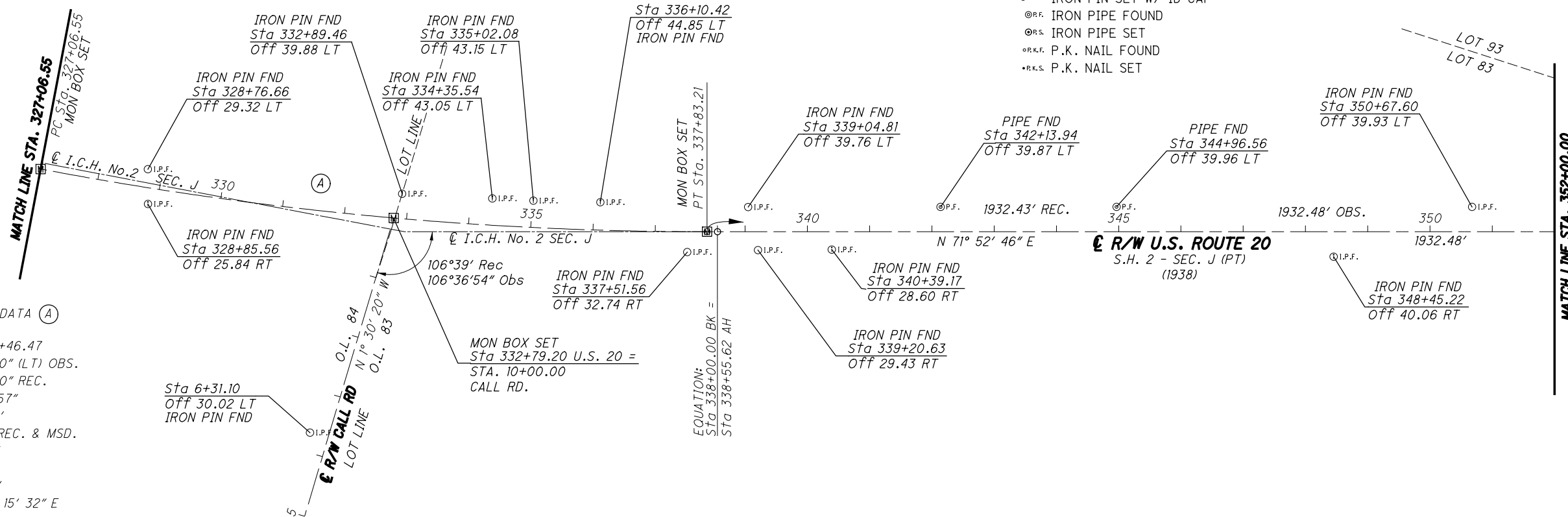
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- ⊙ P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET



℄ RW CURVE DATA (A)  
U.S. RT. 20  
P.I. Sta. 332+46.47  
Δ = 10° 45' 30" (LT) OBS.  
10° 46' 00" REC.  
Dc = 0° 59' 57"  
R = 5,733.94'  
T = 539.92' REC. & MSD.  
L = 1,076.67'  
E = 25.36'  
C = 1,075.08'  
C.B. = N 77° 15' 32" E

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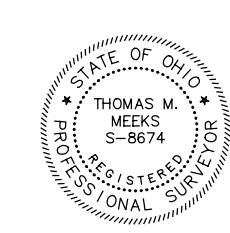
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SURVEYORS SEAL



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COUNTY RECORDER

# LAK-20-19.59

## PART OF LOTS 82,83,92 & 93 T 11 N R 8 W NORTH PERRY VILLAGE PERRY TOWNSHIP LAKE COUNTY, OHIO

MONUMENT TABLE						
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357+71.31	☐	775871.537	2344571.582	1		
357+83.28	40.00 LT	775913.275	2344570.513	1		
369+28.81	☐	776231.538	2345671.676	1		
TOTAL CARRIED TO GENERAL SUMMARY SHEET				3		

MONUMENT TABLE			
☐ of U.S. ROUTE 20		DESCRIPTION	PINS TO BE RE-SET
STATION	OFFSET		
356+00.81	35.36 LT	IRON PIPE FOUND	1
358+89.98	293.64 LT	IRON PIPE FOUND	1
365+30.87	41.24 LT	IRON PIPE FOUND	1
366+24.02	30.29 RT	IRON PIPE FOUND	1
367+17.44	39.93 LT	IRON PIPE FOUND	1
369+04.67	38.44 RT	IRON PIN FOUND	1
370+18.34	40.43 RT	IRON PIN FOUND	1
371+32.36	41.00 RT	IRON PIN FOUND	1
371+97.17	38.89 LT	IRON PIN FOUND	1
373+84.04	40.01 LT	IRON PIN FOUND	1
377+89.41	33.13 LT	IRON PIN FOUND	1
TOTAL PINS TO BE RE-SET			11

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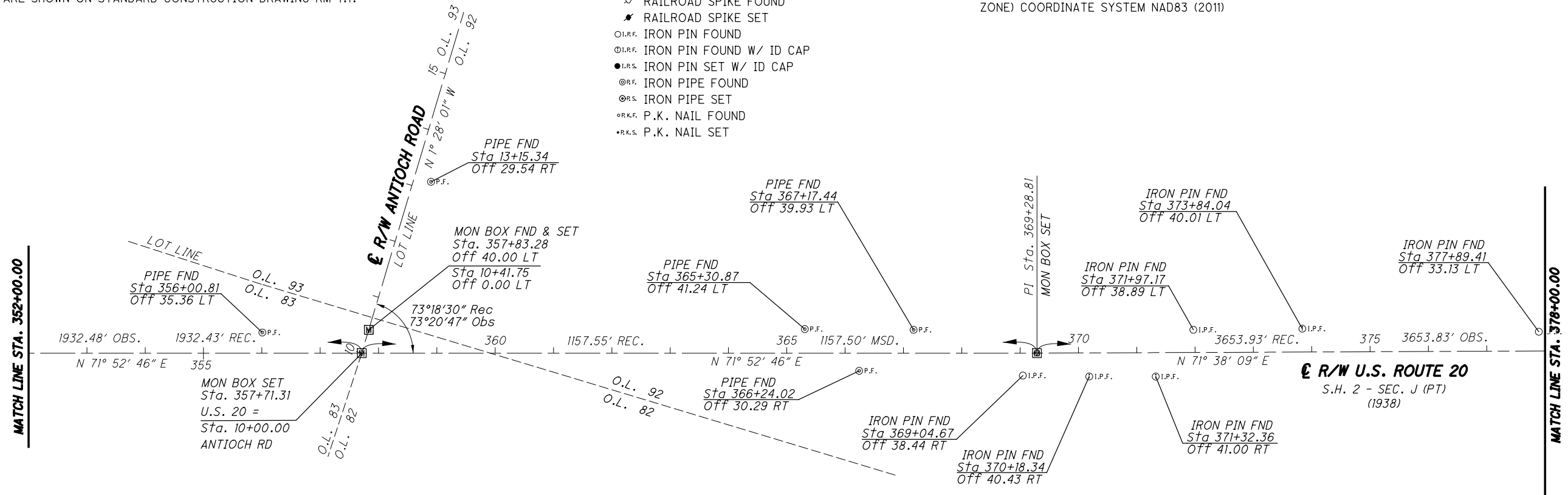
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- ⚡ RAILROAD SPIKE SET
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- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
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 CENTERLINE SURVEY PLAT OF LAK-2-16.49 DATED FEBRUARY 28, 1964 RECORDED IN VOL. 0, PG. 56 OF LAKE COUNTY PLAT RECORDS  
 PLAT OF DETACHMENT FROM THE VILLAGE OF NORTH PERRY DATED FEB. 23, 1940 RECORDED IN VOLUME H, PAGES 113-120 OF LAKE COUNTY PLAT RECORDS  
 DEDICATION PLAT OF LANE ROAD EXTENSION DATED JULY 23, 1996 RECORDED IN VOLUME 27, PAGE 9 LAKE COUNTY PLAT RECORDS  
 DEDICATION PLAT OF SPRING LAKE BOULEVARD DATED JUNE 4, 2004 RECORDED IN VOLUME 47, PAGE 3 LAKE COUNTY PLAT RECORDS

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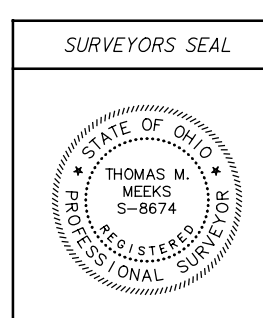
The words I and my as used herein are to mean either myself or someone working under my direct supervision.

Thomas M. Meeks, Professional Land Surveyor 8674

Date:

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 RECORDED \_\_\_\_\_, 20\_\_\_\_  
 BOOK \_\_\_\_\_ PAGE \_\_\_\_\_  
 COUNTY RECORDER



HORIZONTAL SCALE IN FEET  
0 100 200

R/W DESIGNER PSL  
R/W REVIEWER TMM

PID NO. 108665

CENTERLINE PLAT

LAK-US-20-19.59 PART 1

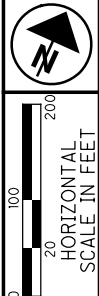
12/165

1048  
1253

# LAK-20-19.59

PART OF LOT 92  
T 11 N R 8 W  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

MONUMENT TABLE			
of U.S. ROUTE 20		DESCRIPTION	PINS TO BE RE-SET
STATION	OFFSET		
381+66.78	30.03 RT	IRON PIPE FOUND	1
382+39.07	38.27 LT	IRON PIPE FOUND	1
383+73.26	30.08 RT	IRON PIPE FOUND	1
386+13.00	35.32 LT	IRON PIPE FOUND	1
389+70.70	29.36 RT	IRON PIN FOUND	1
391+26.06	32.72 RT	IRON PIN FOUND	1
392+81.51	34.25 LT	IRON PIPE FOUND	1
393+07.80	33.33 RT	IRON PIPE FOUND	1
399+25.17	40.45 LT	IRON PIN FOUND	1
400+67.34	31.92 RT	IRON PIPE FOUND	1
TOTAL PINS TO BE RE-SET			10



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**CENTERLINE PLAT**

**LAK-US-20-19.59  
PART 1**

13 / 165  
1049  
1253

SETTING OF ALL MONUMENTS SHALL BE PERFORMED BY A SURVEYOR REGISTERED IN THE STATE OF OHIO. THE MONUMENT ASSEMBLIES AND REFERENCE MONUMENTS WILL BE INSTALLED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE IRON PIN AND CAP (WHEN REQUIRED) ARE TO BE INSTALLED BY THE CONTRACTOR'S SURVEYOR.

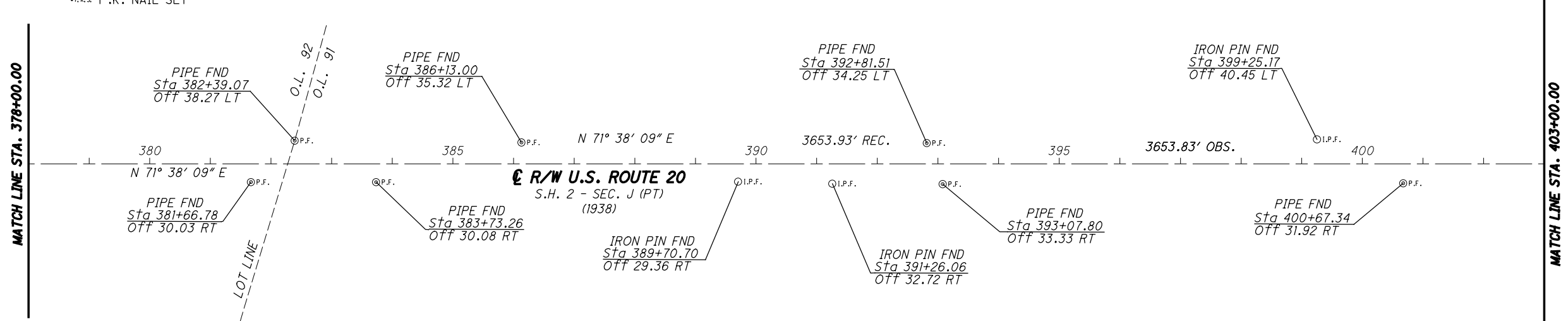
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**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

**BASIS FOR BEARINGS:**

ALL BEARINGS SHOWN ARE FOR PROJECT USE ONLY AND ARE BASED ON OHIO STATE PLANE (3401-NORTH ZONE) COORDINATE SYSTEM NAD83 (2011)



NOTE: THE EXISTING R/W WIDTH AND LOCATION WERE DETERMINED USING THE FOLLOWING PLANS & PLATS:  
IMPROVEMENT PLANS BY THE STATE HIGHWAY DEPARTMENT OF OHIO ENTITLED SEC. J-CLEVELAND BUFFALO ROAD I.C.H. NO. 2 DATED 1917  
RIGHT OF WAY PLANS FOR S.H. NO. 2 SEC. J (PT.) WIDENING (NARROWS ROAD TO CENTER ROAD) DATED 1936  
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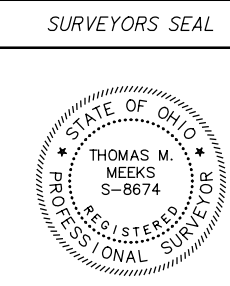
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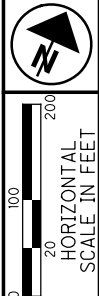
Thomas M. Meeks, Professional Land Surveyor 8674

Date:



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RECEIVED \_\_\_\_\_, 20\_\_\_\_  
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BOOK \_\_\_\_\_ PAGE \_\_\_\_\_  
COUNTY RECORDER



PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

**CENTERLINE PLAT**

**LAK-US-20-19.59**  
**PART 1**

14 / 165  
 1050  
 1253

MONUMENT TABLE		
℄ of U.S. ROUTE 20		
STATION	OFFSET	DESCRIPTION
412+88.04	35.99 RT	IRON PIPE FOUND
415+24.70	32.98 LT	IRON PIPE FOUND
415+59.65	35.74 RT	IRON PIPE FOUND

**LAK-20-19.59**  
 PART OF LOT 90  
 T 11 N R 8 W  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 PART OF LOT 6, TRACT 4  
 MADISON TOWNSHIP  
 LAKE COUNTY, OHIO

MONUMENT TABLE						
℄ of U.S. ROUTE 20		PROJECT COORDINATES SEE SURVEY CERTIFICATION		MONUMENTS TO BE SET DURING CONSTRUCTION		MON. ADJUSTED TO GRADE
STATION	OFFSET	NORTH (Y)	EAST (X)	MON. ASSY.	REF. MON.	R/W MON.
405+83.06	℄	777382.696	2349139.427			1
412+94.74	℄	777604.923	2349815.519			1
TOTAL CARRIED TO GENERAL SUMMARY SHEET						

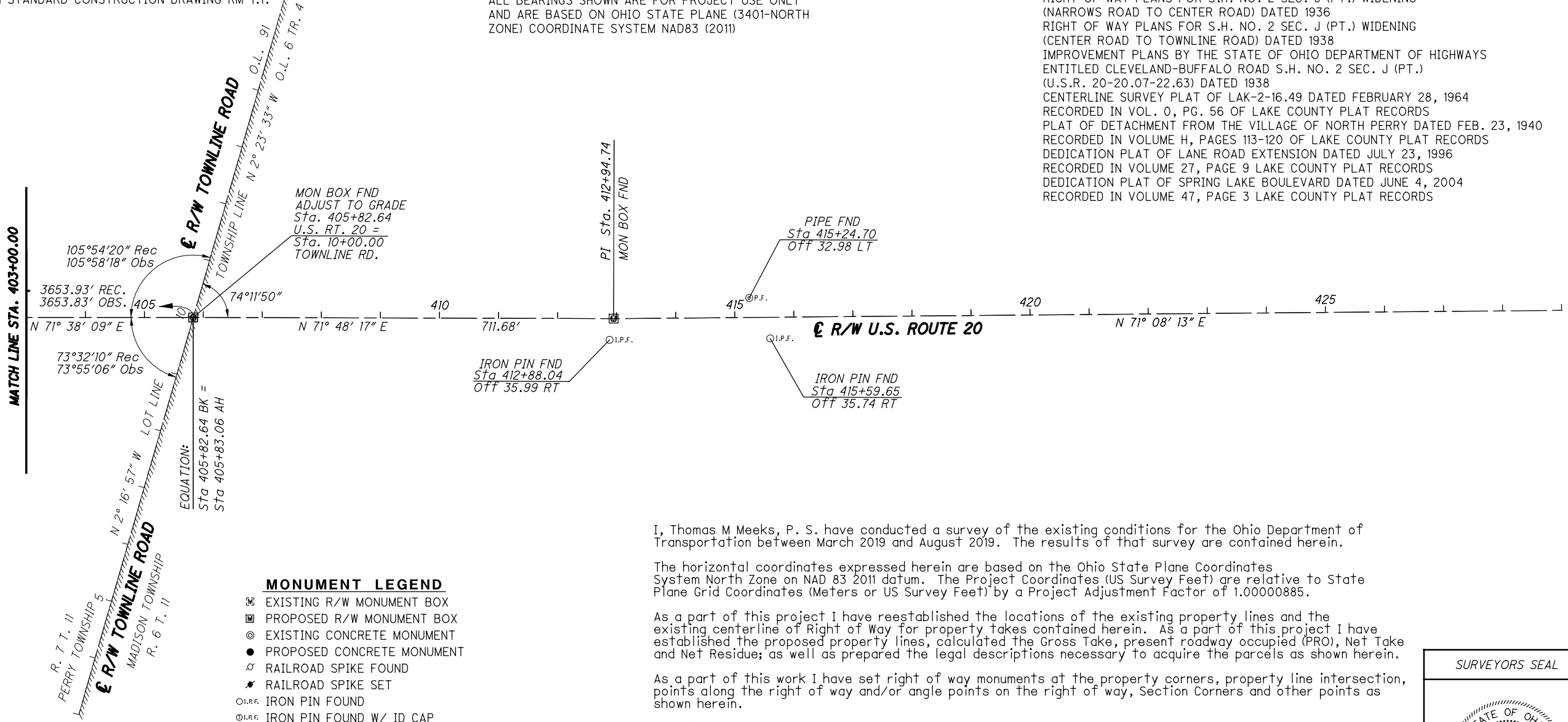
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  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
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  - ⚡ RAILROAD SPIKE SET
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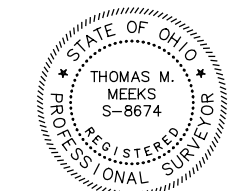
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Date:

SURVEYORS SEAL



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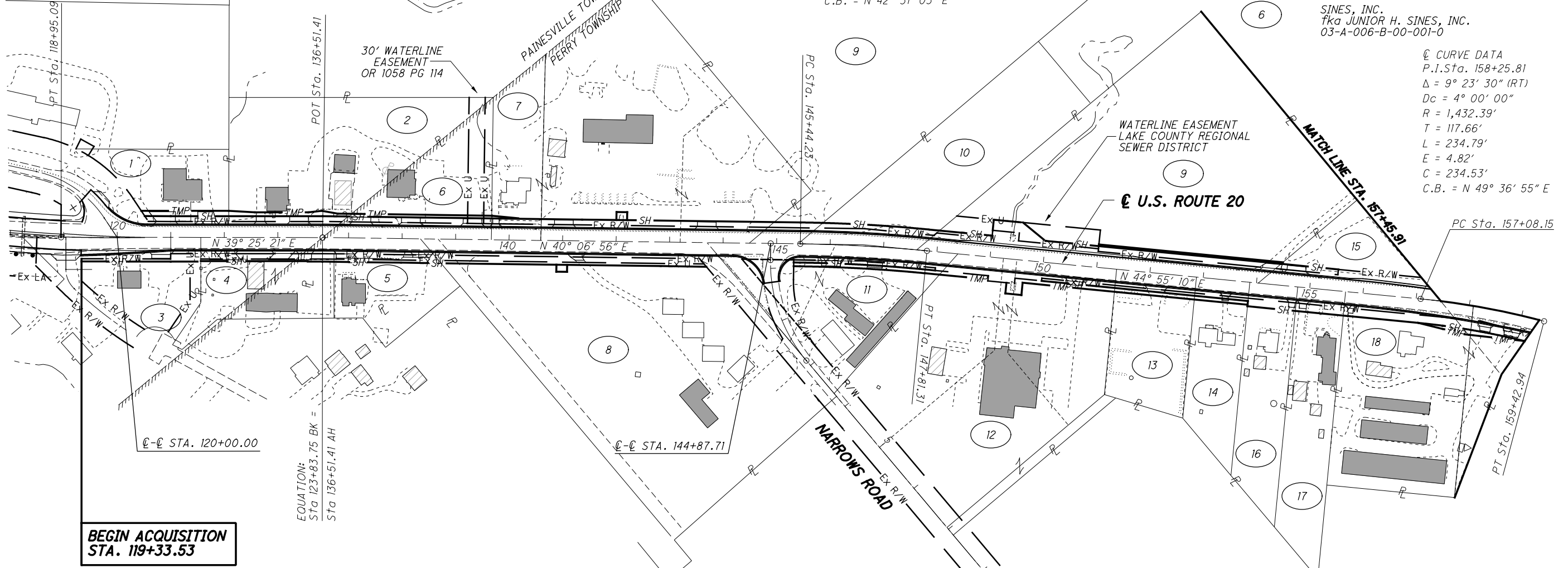
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 BOOK \_\_\_\_\_ PAGE \_\_\_\_\_  
 COUNTY RECORDER

**PART OF LOT 30, TRACT 1  
PAINESVILLE TOWNSHIP  
PART OF LOTS 60 & 70  
PERRY TOWNSHIP**

☉ CURVE DATA  
P.I. Sta. 117+45.99  
Δ = 11° 58' 19" (LT)  
Dc = 4° 00' 00"  
R = 1,432.39'  
T = 150.20'  
L = 299.30'  
E = 7.85'  
C = 298.75'  
C.B. = N 45° 29' 43" E

☉ CURVE DATA  
P.I. Sta. 146+62.84  
Δ = 4° 48' 15" (RT)  
Dc = 2° 01' 35"  
R = 2,827.54'  
T = 118.61'  
L = 237.08'  
E = 2.49'  
C = 237.01'  
C.B. = N 42° 31' 03" E

☉ CURVE DATA  
P.I. Sta. 158+25.81  
Δ = 9° 23' 30" (RT)  
Dc = 4° 00' 00"  
R = 1,432.39'  
T = 117.66'  
L = 234.79'  
E = 4.82'  
C = 234.53'  
C.B. = N 49° 36' 55" E



**BEGIN ACQUISITION  
STA. 119+33.53**

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- ▨ OUT-BUILDING

7 McCALLISTER REAL ESTATE LLC  
03-A-006-B-00-002-0  
03-A-006-B-00-015-0  
03-A-006-B-00-003-0

8 LIMBERLOST MOTEL INC.  
03-A-005-0-00-021-0

9 THE BOARD OF LAKE COUNTY COMMISSIONERS  
03-A-006-B-00-014-0  
03-A-006-0-00-007-0  
03-A-006-0-00-004-0

10 DONALD MATTHEW DELZOPPO TRUSTEE OF THE  
DONALD MATTHEW DELZOPPO REVOCABLE TRUST  
03-A-006-B-00-005-0

11 MICHAEL ZISIS AND CONSTANTINE ZISIS  
03-A-006-B-00-012-0  
03-A-006-B-00-013-0

12 THE BOARD OF LAKE COUNTY COMMISSIONERS  
03-A-006-B-00-008-0  
03-A-006-B-00-009-0  
03-A-006-B-00-011-0

13 1968 ENTERPRISES INC.  
03-A-006-B-00-007-0



14 TANYA M GLAWITSCH, FORMERLY TANYA  
M UNDERWOOD, SUCCESSOR TRUSTEE  
UNDER THE PATRICIA L QUALE TRUST  
UTD 8/12/2013 AND SHANNON L WILSON,  
SUCCESSOR TRUSTEE UNDER THE JUDITH  
A POPP TRUST UTD 8/12/2013  
03-A-006-A-00-001-0

15 NORTH RIDGE MINI STORAGE, INC.  
03-A-006-A-00-037-0

- 1 ROBERT H WIGTON IN TRUST  
FOR CHARLES N CADWELL,  
JAMES B CADWELL, AND  
NANCY N PRUCE, C/O  
LOU BOB MENTOR PROPERTIES  
11-B-034-0-00-028-0
- 2 2501 NORTH RIDGE ROAD INC.  
11-B-034-0-00-030-0
- 3 AMMM LLC  
11-B-034-0-00-005-0
- 4 MKR PROPERTIES LLC  
11-B-034-0-00-027-0  
03-A-005-C-00-001-0
- 5 FRANK G SAILORS TRUSTEE OF THE  
SAILORS DESCENDANTS IRREVOCABLE  
TRUST AGREEMENT DATED JULY 9, 2004  
03-A-005-C-00-002-0
- 6 SINES, INC.  
fka JUNIOR H. SINES, INC.  
03-A-006-B-00-001-0

- 16 HOLLY M GRANDE  
03-A-006-A-00-002-0
- 17 JOHN R DOWLING, JR.  
AND LISA A DOWLING  
03-A-006-A-00-003-0
- 18 NORTH RIDGE MINI STORAGE, INC.  
03-A-006-A-00-036-0  
03-A-006-A-00-041-0

REV. BY	DATE	DESCRIPTION

  
  
 PID NO. **108665**  
 R/W DESIGNER: PSL  
 R/W REVIEWER: TMM  
**PROPERTY MAP**  
**LAK-US-20-19.59**  
**PART 1**  
 15 / 165  
 1051  
 1253

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PART OF LOTS 70, 79 & 69  
PERRY TOWNSHIP  
LAKE COUNTY



PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**PROPERTY MAP**

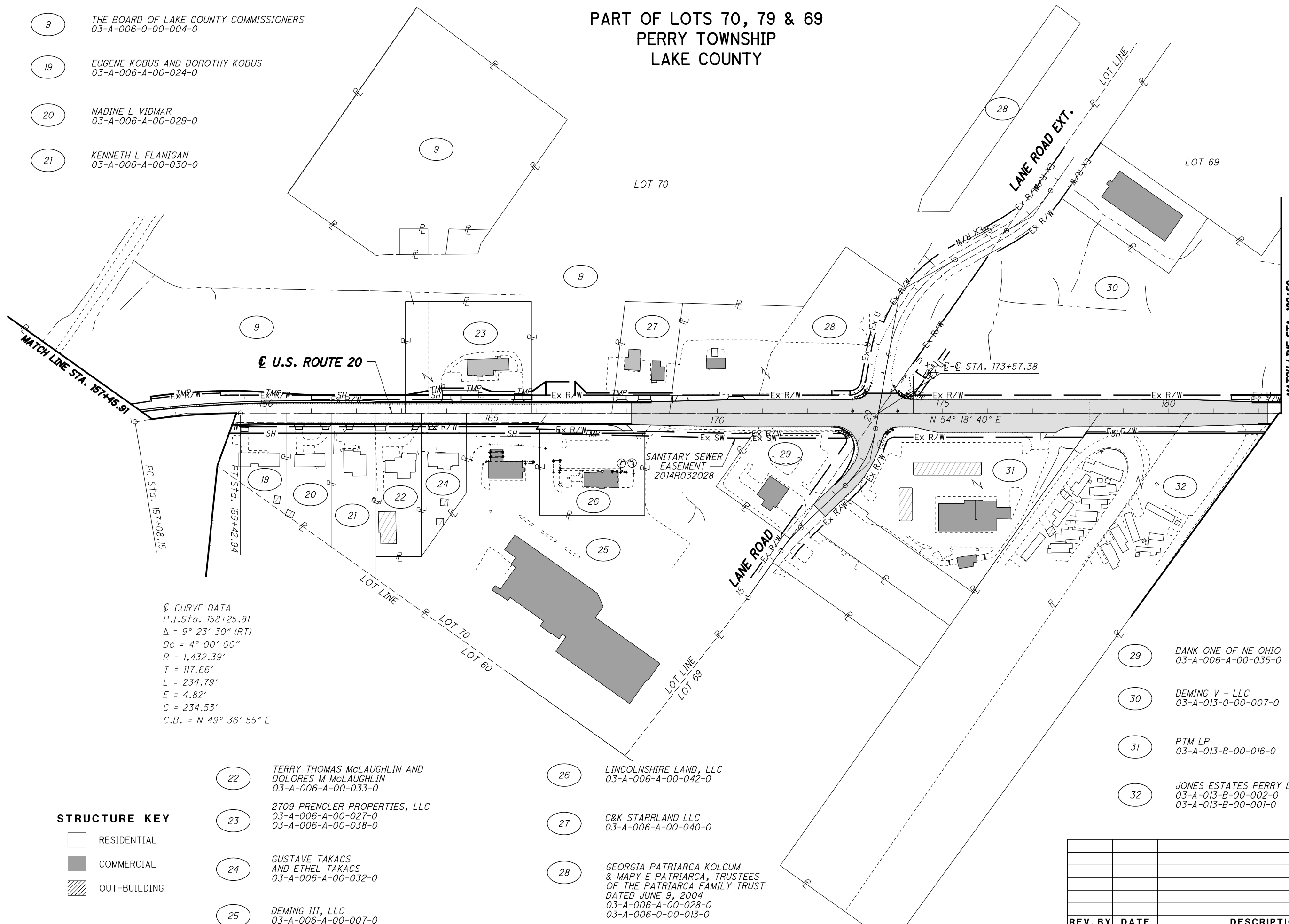
**LAK-US-20-19.59  
PART 1**

16 / 165

1052  
1253

- 9 THE BOARD OF LAKE COUNTY COMMISSIONERS  
03-A-006-0-00-004-0
- 19 EUGENE KOBUS AND DOROTHY KOBUS  
03-A-006-A-00-024-0
- 20 NADINE L. VIDMAR  
03-A-006-A-00-029-0
- 21 KENNETH L. FLANIGAN  
03-A-006-A-00-030-0

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**∅ CURVE DATA**  
P.I. Sta. 158+25.81  
 $\Delta = 9^\circ 23' 30''$  (RT)  
Dc = 4° 00' 00"  
R = 1,432.39'  
T = 117.66'  
L = 234.79'  
E = 4.82'  
C = 234.53'  
C.B. = N 49° 36' 55" E

**STRUCTURE KEY**

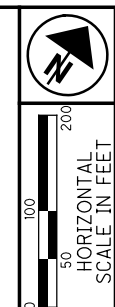
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

- 22 TERRY THOMAS McLAUGHLIN AND DOLORES M McLAUGHLIN  
03-A-006-A-00-033-0
- 23 2709 PRENLER PROPERTIES, LLC  
03-A-006-A-00-027-0  
03-A-006-A-00-038-0
- 24 GUSTAVE TAKACS AND ETHEL TAKACS  
03-A-006-A-00-032-0
- 25 DEMING III, LLC  
03-A-006-A-00-007-0
- 26 LINCOLNSHIRE LAND, LLC  
03-A-006-A-00-042-0
- 27 C&K STARRLAND LLC  
03-A-006-A-00-040-0
- 28 GEORGIA PATRIARCA KOLCUM & MARY E PATRIARCA, TRUSTEES OF THE PATRIARCA FAMILY TRUST DATED JUNE 9, 2004  
03-A-006-A-00-028-0  
03-A-006-0-00-013-0

- 29 BANK ONE OF NE OHIO  
03-A-006-A-00-035-0
- 30 DEMING V - LLC  
03-A-013-0-00-007-0
- 31 PTM LP  
03-A-013-B-00-016-0
- 32 JONES ESTATES PERRY LLC  
03-A-013-B-00-002-0  
03-A-013-B-00-001-0

REV. BY	DATE	DESCRIPTION
DATE COMPLETED		





PID NO. 108665  
R/W DESIGNER PSL  
R/W REVIEWER TMM

PROPERTY MAP

LAK-US-20-19.59  
PART 1

17/165

1053  
1253

LOT NOS. 69 & 68  
PERRY TOWNSHIP  
LAKE COUNTY

- 30 DEMING - V LLC  
03-A-013-0-00-007-0
- 33 HJL STUBB, LLC  
03-A-013-0-00-009-0
- 34 J R PACHECO LLC  
03-A-013-0-00-010-0
- 35 J4J PROPERTIES, LLC  
03-A-013-A-00-018-0
- 36 THE NOONEY FAMILY  
IRREVOCABLE TRUST  
DATED JAN 26, 2016,  
JAMES R NOONEY, TRUSTEE  
03-A-013-A-00-001-0  
03-A-013-A-00-002-0
- 37 JULIE L SCHULTZ AND  
JOSEPH D SCHULTZ  
03-A-013-A-00-017-0
- 38 CHARLES N HIGGINS, JR.,  
TRUSTEE UNDER TRUST  
AGREEMENT  
DATED MARCH 27, 1989  
003-A-013-A-00-016-0  
003-A-013-A-00-015-0
- 39 DUANE MANLEY AND  
BEVERLY R MANLEY  
03-A-013-A-00-014-0
- 40 TED A DENNISON AND  
CINDY A DENNISON  
03-A-013-A-00-003-0  
03-A-013-A-00-004-0  
03-A-013-A-00-005-0

- 41 ELESTER RAIMEY  
03-A-013-A-00-013-0  
03-A-013-A-00-011-0
- 42 JOSEPH A KRAWS, JR. AND  
LUCILLE O KRAWS BANKS  
03-A-013-A-00-009-0
- 43 RICHARD J WEST, TRUSTEE OF THE RICHARD J WEST  
REVOCABLE REAL ESTATE TRUST U/A JULY 16, 2008  
03-A-019-0-00-001-0
- 44 BRIAR ROSE NURSERIES, INC.  
03-A-013-A-00-007-0
- 45 TODD R WEST AND ANNETTE M WEST  
03-A-013-A-00-006-0

03-A-013-0-00-007-0

30

LOT 69

BLACKMORE ROAD

MATCH LINE STA. 182+50

EX. STA. 188+05.89

EX. OBT EASEMENT  
VOL. 914 PG. 240

U.S. ROUTE 20

03-A-013-0-00-009-0

33

03-A-013-0-00-010-0

34

46 RICHARD J WEST  
03-A-019-0-00-015-0

47 MELBA'S MEADOW, LLC  
03-A-020-0-00-001-0

48 DAVID L EISENHUTH AND  
SARA J EISENHUTH  
03-A-020-0-00-022-0

WESTERN RESERVE  
TELE. COMPANY  
EASEMENT  
INST. 2002R018361

03-A-019-0-00-001-0

43

LOT 68

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

P.I. Sta. 208+74.51  
 $\Delta = 6^\circ 04' 04''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 151.83'$   
 $L = 303.38'$   
 $E = 4.02'$   
 $C = 303.24'$   
 $C.B. = N 57^\circ 10' 42'' E$

PSL	9/17/21	REVISED OWNERSHIP PARCEL 47
REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

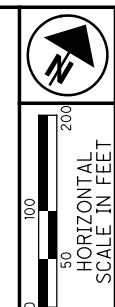
H:\2018\80743\000T\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RM003.dgn Sheet 7/15/2022 3:28:06 PM troyer



LOT NOS. 77 & 78  
PERRY TOWNSHIP  
LAKE COUNTY

- 49 MELBA'S MEADOW, LLC  
03-A-020-0-00-002-0
- 50 LOWELL W SCHWEICKART AND  
JUDITH L SCHWEICKART  
03-A-020-0-00-005-0
- 51 RICHARD W DAME  
03-A-019-0-00-002-0
- 52 JEROME D SQUARE  
03-A-019-0-00-018-0

- 69 DiFIORE FAMILY PROPERTIES, LLC  
03-A-019-A-00-001-0
- 70 JAMES M SORINE  
03-A-030-A-00-006-0
- 71 PERRY TOWNSHIP  
BOARD OF TRUSTEES  
03-A-029-0-00-001-0



PID NO.  
**108665**

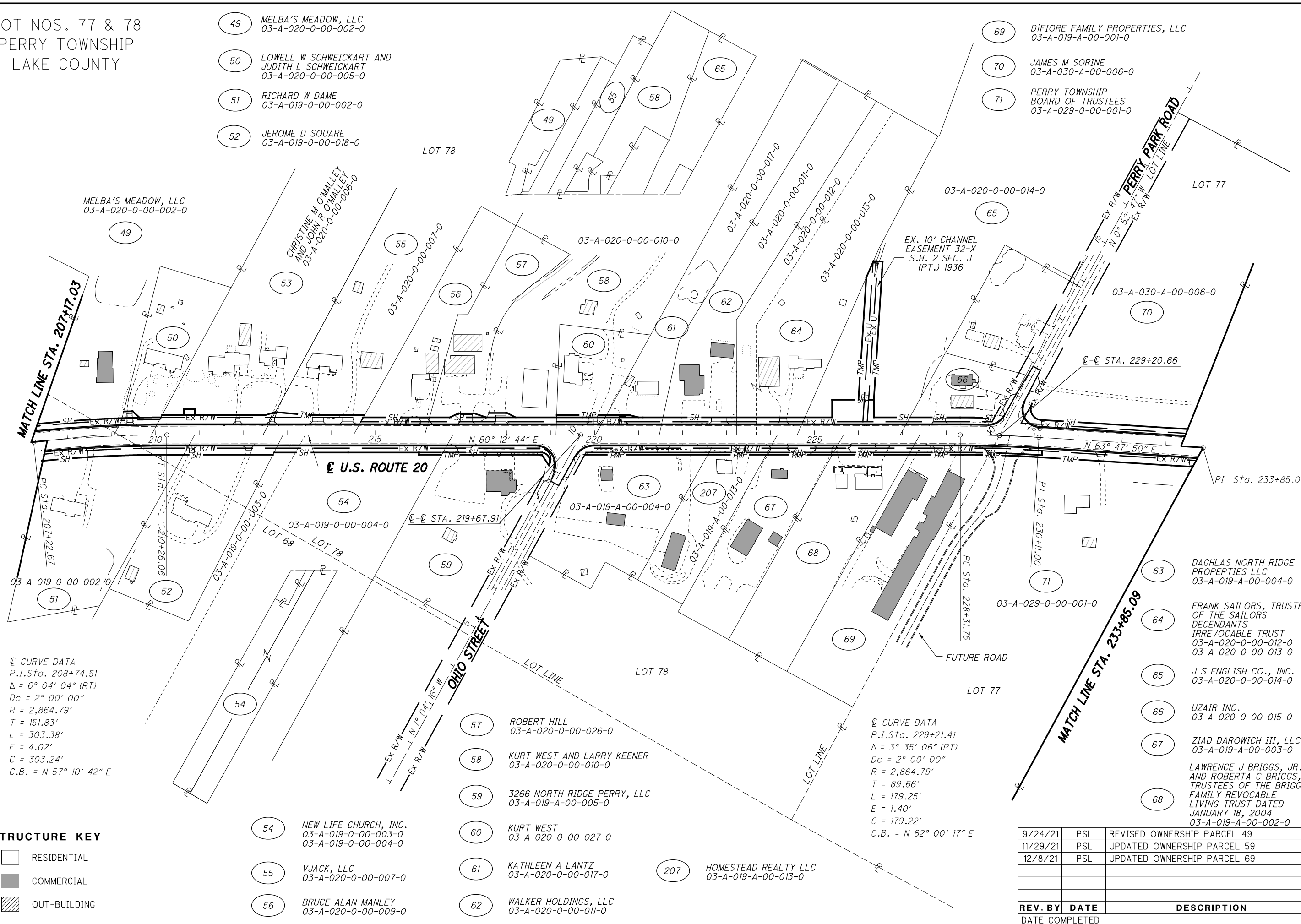
R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**PROPERTY MAP**

**LAK-US-20-19.59  
PART 1**

18 / 165

1054  
1253



⊙ CURVE DATA  
P.I. Sta. 208+74.51  
Δ = 6° 04' 04" (RT)  
Dc = 2° 00' 00"  
R = 2,864.79'  
T = 151.83'  
L = 303.38'  
E = 4.02'  
C = 303.24'  
C.B. = N 57° 10' 42" E

⊙ CURVE DATA  
P.I. Sta. 229+21.41  
Δ = 3° 35' 06" (RT)  
Dc = 2° 00' 00"  
R = 2,864.79'  
T = 89.66'  
L = 179.25'  
E = 1.40'  
C = 179.22'  
C.B. = N 62° 00' 17" E

- STRUCTURE KEY**
- RESIDENTIAL
  - COMMERCIAL
  - OUT-BUILDING

- 54 NEW LIFE CHURCH, INC.  
03-A-019-0-00-003-0  
03-A-019-0-00-004-0
- 55 VJACK, LLC  
03-A-020-0-00-007-0
- 56 BRUCE ALAN MANLEY  
03-A-020-0-00-009-0

- 57 ROBERT HILL  
03-A-020-0-00-026-0
- 58 KURT WEST AND LARRY KEENER  
03-A-020-0-00-010-0
- 59 3266 NORTH RIDGE PERRY, LLC  
03-A-019-A-00-005-0
- 60 KURT WEST  
03-A-020-0-00-027-0
- 61 KATHLEEN A LANTZ  
03-A-020-0-00-017-0
- 62 WALKER HOLDINGS, LLC  
03-A-020-0-00-011-0

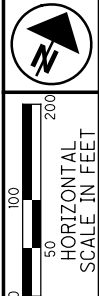
- 207 HOMESTEAD REALTY LLC  
03-A-019-A-00-013-0

- 63 DAGHLAS NORTH RIDGE PROPERTIES LLC  
03-A-019-A-00-004-0
- 64 FRANK SAILORS, TRUSTEE OF THE SAILORS DECENDANTS IRREVOCABLE TRUST  
03-A-020-0-00-012-0  
03-A-020-0-00-013-0
- 65 J S ENGLISH CO., INC.  
03-A-020-0-00-014-0
- 66 UZAIR INC.  
03-A-020-0-00-015-0
- 67 ZIAD DAROWICH III, LLC  
03-A-019-A-00-003-0
- 68 LAWRENCE J BRIGGS, JR. AND ROBERTA C BRIGGS, TRUSTEES OF THE BRIGGS FAMILY REVOCABLE LIVING TRUST DATED JANUARY 18, 2004  
03-A-019-A-00-002-0

9/24/21	PSL	REVISED OWNERSHIP PARCEL 49
11/29/21	PSL	UPDATED OWNERSHIP PARCEL 59
12/8/21	PSL	UPDATED OWNERSHIP PARCEL 69

REV. BY	DATE	DESCRIPTION

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**LOT NO 77  
PERRY TOWNSHIP  
LAKE COUNTY**

- 72 SLOSWAY ENTERPRISES LLC  
03-A-030-A-00-007-0
- 73 C&K STARRLAND LLC  
03-A-030-A-00-008-0
- 74 FT & BB LLC  
03-A-030-A-00-009-0
- 75 SPRING LAKE NURSERY LLC  
03-A-029-0-00-002-0
- 76 RONKE CO LLC  
03-A-029-0-00-003-0
- 77 D J SUTTON LLC  
03-A-030-A-00-010-0
- 78 KENNETH E GOLDING AND  
LINDA R GOLDING  
03-A-030-0-00-017-0
- 79 JP MORGAN CHASE,  
NATIONAL ASSOCIATION  
03-A-030-0-00-014-0
- 80 LAKE ERIE COMMERCIAL  
MANAGEMENT LLC  
03-A-030-0-00-018-0
- 81 JAMES A FORSYTHE  
03-A-030-0-00-013-0
- 82 JAMES A FORSYTHE, TRUSTEE  
OF THE JAMES A FORSYTHE  
LIVING TRUST DATED  
JULY 8, 2009  
03-A-030-0-00-012-0

- 83 SHANE A LEDFORD  
03-A-029-0-00-004-0
- 84 VICTORIA L LEDFORD  
03-A-029-0-00-015-0
- 85 NANCY L BOWMAN  
03-A-029-0-00-005-0
- 86 D & G PROPERTIES LLC  
03-A-029-0-00-014-0
- 87 ANTHONY J COSTELLO  
03-A-029-0-00-012-0  
03-A-029-0-00-013-0
- 88 WILLIAM R MORSE,  
ROSE MARIE MORSE AND  
PAMELA MORSE  
03-A-029-0-00-011-0
- 89 GABRIELE GILL  
03-A-029-0-00-010-0  
03-A-029-0-00-009-0
- 90 FRANK D SQUARE AND  
CYNTHIA A SQUARE  
03-A-029-0-00-006-0
- 91 BOARD OF EDUCATION  
OF THE PERRY LOCAL  
SCHOOL DISTRICT  
03-A-029-0-00-007-0  
03-A-037-0-00-001-0  
03-A-037-0-00-002-0  
03-A-037-0-00-003-0
- 92 JOHN GODINA,  
JANET PALINKAS AND  
NANCY WOOD  
03-A-029-0-00-008-0

PI Sta. 233+85.09

U.S. ROUTE 20

MATCH LINE STA. 233+85.09

MATCH LINE STA. 254+78.59

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

PSL	10/13/21	REVISED OWNERSHIP PARCEL 79
PSL	12/8/21	REVISED OWNERSHIP PARCEL 80
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
DATE COMPLETED		

R/W DESIGNER  
PSL

PID NO.  
**108665**

R/W REVIEWER  
TMM

**PROPERTY MAP**

**LAK-US-20-19.59  
PART 1**

19 / 165

1055  
1253

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PID NO. **108665**

R/W DESIGNER PSL  
R/W REVIEWER TMM

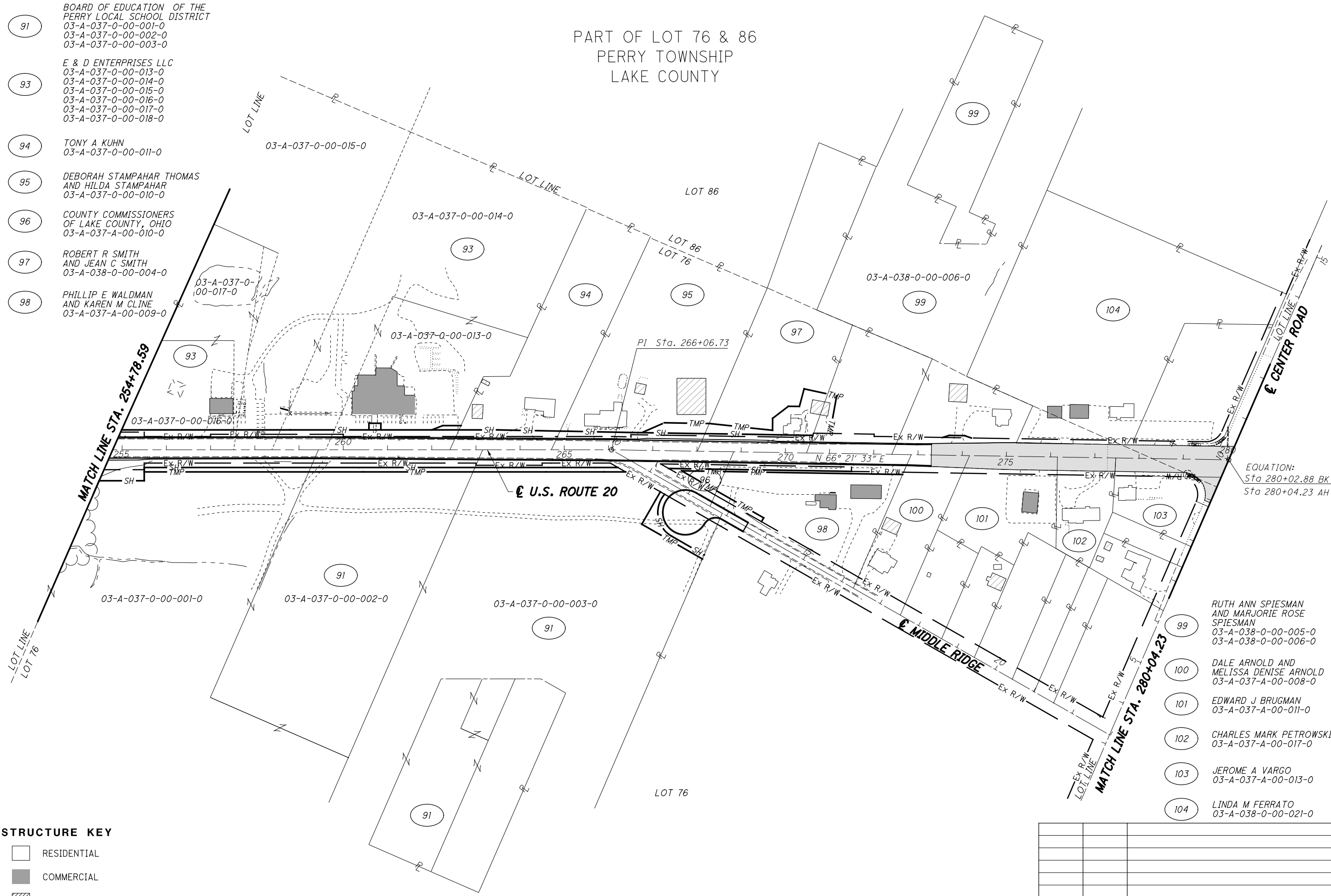
**PROPERTY MAP**

**LAK-US-20-19.59  
PART 1**

20/165

1056  
1253

**PART OF LOT 76 & 86  
PERRY TOWNSHIP  
LAKE COUNTY**



91 BOARD OF EDUCATION OF THE  
PERRY LOCAL SCHOOL DISTRICT  
03-A-037-0-00-001-0  
03-A-037-0-00-002-0  
03-A-037-0-00-003-0

93 E & D ENTERPRISES LLC  
03-A-037-0-00-013-0  
03-A-037-0-00-014-0  
03-A-037-0-00-015-0  
03-A-037-0-00-016-0  
03-A-037-0-00-017-0  
03-A-037-0-00-018-0

94 TONY A KUHN  
03-A-037-0-00-011-0

95 DEBORAH STAMPAHAR THOMAS  
AND HILDA STAMPAHAR  
03-A-037-0-00-010-0

96 COUNTY COMMISSIONERS  
OF LAKE COUNTY, OHIO  
03-A-037-A-00-010-0

97 ROBERT R SMITH  
AND JEAN C SMITH  
03-A-038-0-00-004-0

98 PHILLIP E WALDMAN  
AND KAREN M CLINE  
03-A-037-A-00-009-0

99 RUTH ANN SPIESMAN  
AND MARJORIE ROSE  
SPIESMAN  
03-A-038-0-00-005-0  
03-A-038-0-00-006-0

100 DALE ARNOLD AND  
MELISSA DENISE ARNOLD  
03-A-037-A-00-008-0

101 EDWARD J BRUGMAN  
03-A-037-A-00-011-0

102 CHARLES MARK PETROWSKI  
03-A-037-A-00-017-0

103 JEROME A VARGO  
03-A-037-A-00-013-0

104 LINDA M FERRATO  
03-A-038-0-00-021-0

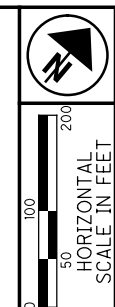
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**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

PART OF LOT 85  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY



PID NO. **108665**  
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

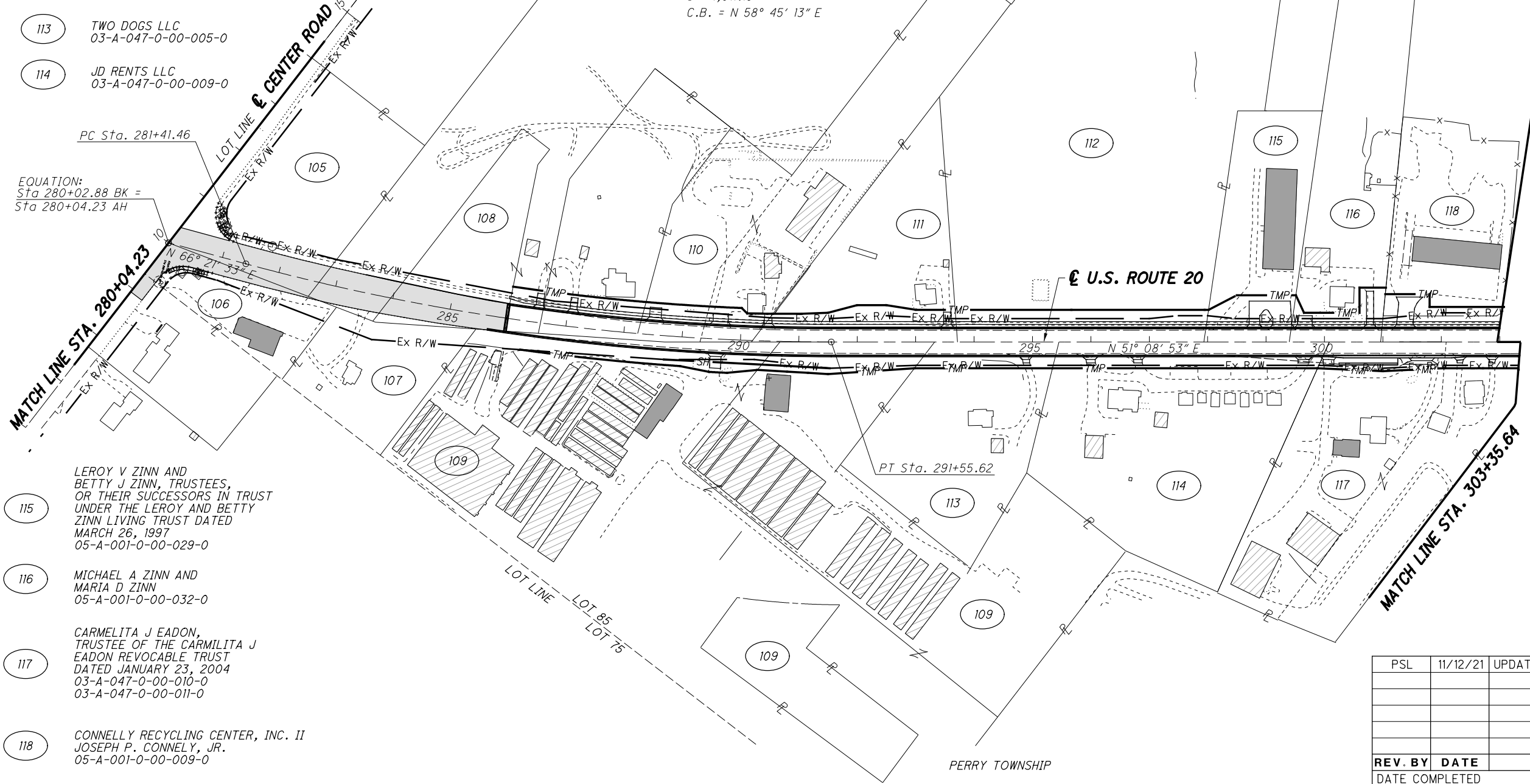
**PROPERTY MAP**

**LAK-US-20-19.59**  
**PART 1**

- 105 PISCATORIAL CO LLC  
05-A-001-0-00-026-0
- 106 JASON SAUNDERS  
AND JOY SAUNDERS  
03-A-047-0-00-001-0
- 107 JASON SAUNDERS  
AND JOY SAUNDERS  
03-A-047-0-00-002-0
- 108 LORRAINE BUSER AND  
JOHN H BUSER SR.  
05-A-001-0-00-014-0  
05-A-001-0-00-035-0  
05-A-001-0-00-034-0
- 109 A&L NURSERIES, LLC  
03-A-047-0-00-004-0  
03-A-047-0-00-003-0  
03-A-047-0-00-016-0
- 110 RONALD GEORGE KALEAL  
AND SARAH MARIE KALEAL  
05-A-001-0-00-013-0
- 111 JANICE M LEROY  
05-A-001-0-00-012-0
- 112 WARREN TANNER JONES  
05-A-001-0-00-010-0
- 113 TWO DOGS LLC  
03-A-047-0-00-005-0
- 114 JD RENTS LLC  
03-A-047-0-00-009-0

⊙ CURVE DATA  
P.I. Sta. 286+51.54  
 $\Delta = 15^\circ 12' 41''$  (LT)  
Dc = 1° 30' 00"  
R = 3,819.99'  
T = 510.08'  
L = 1,014.16'  
E = 33.90'  
C = 1,011.19'  
C.B. = N 58° 45' 13" E

EQUATION:  
Sta 280+02.88 BK =  
Sta 280+04.23 AH



**STRUCTURE KEY**

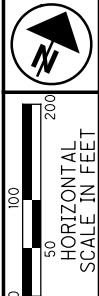
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

PSL	11/12/21	UPDATED OWNERSHIP PARCEL 118
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
DATE COMPLETED		

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21/165  
1057  
1253

PART OF LOT 84 & 85  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY



PID NO.  
**108665**

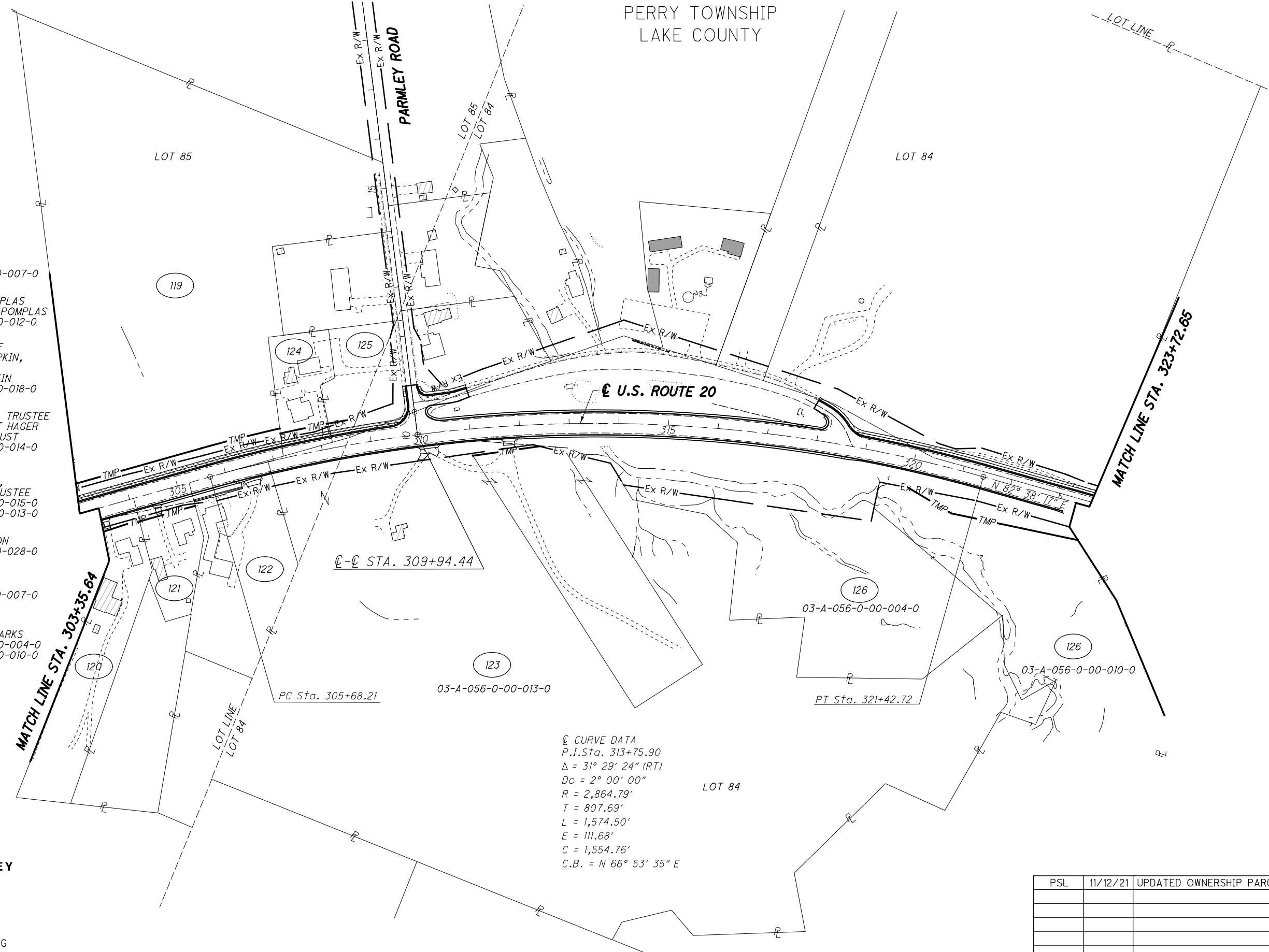
R/W DESIGNER PSL  
R/W REVIEWER TMM

**PROPERTY MAP**

**LAK-US-20-19.59**  
**PART 1**

22 / 165

1058  
1253



- 119 RONKE CO LLC  
05-A-001-0-00-007-0
- 120 ROBERT J POMPLAS  
AND CHERYL L POMPLAS  
03-A-047-0-00-012-0
- 121 THE ESTATE OF  
CHARLES P RAPKIN,  
DECEASED  
GLORIA J RAPKIN  
03-A-047-0-00-018-0
- 122 GENE T HAGER, TRUSTEE  
OF THE GENE T HAGER  
REVOCABLE TRUST  
03-A-047-0-00-014-0
- 123 JAMES M LYON,  
SUCCESSOR TRUSTEE  
03-A-047-0-00-015-0  
03-A-056-0-00-013-0
- 124 KIM A FERGUSON  
05-A-001-0-00-028-0
- 125 RONKE CO LLC  
05-A-001-0-00-007-0
- 126 LAKE METRO PARKS  
03-A-056-0-00-004-0  
03-A-056-0-00-010-0

**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

PSL	11/12/21	UPDATED OWNERSHIP PARCEL 121
REV. BY	DATE	DESCRIPTION

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PID NO. **108665**

R/W DESIGNER PSL  
R/W REVIEWER TMM

**PROPERTY MAP**

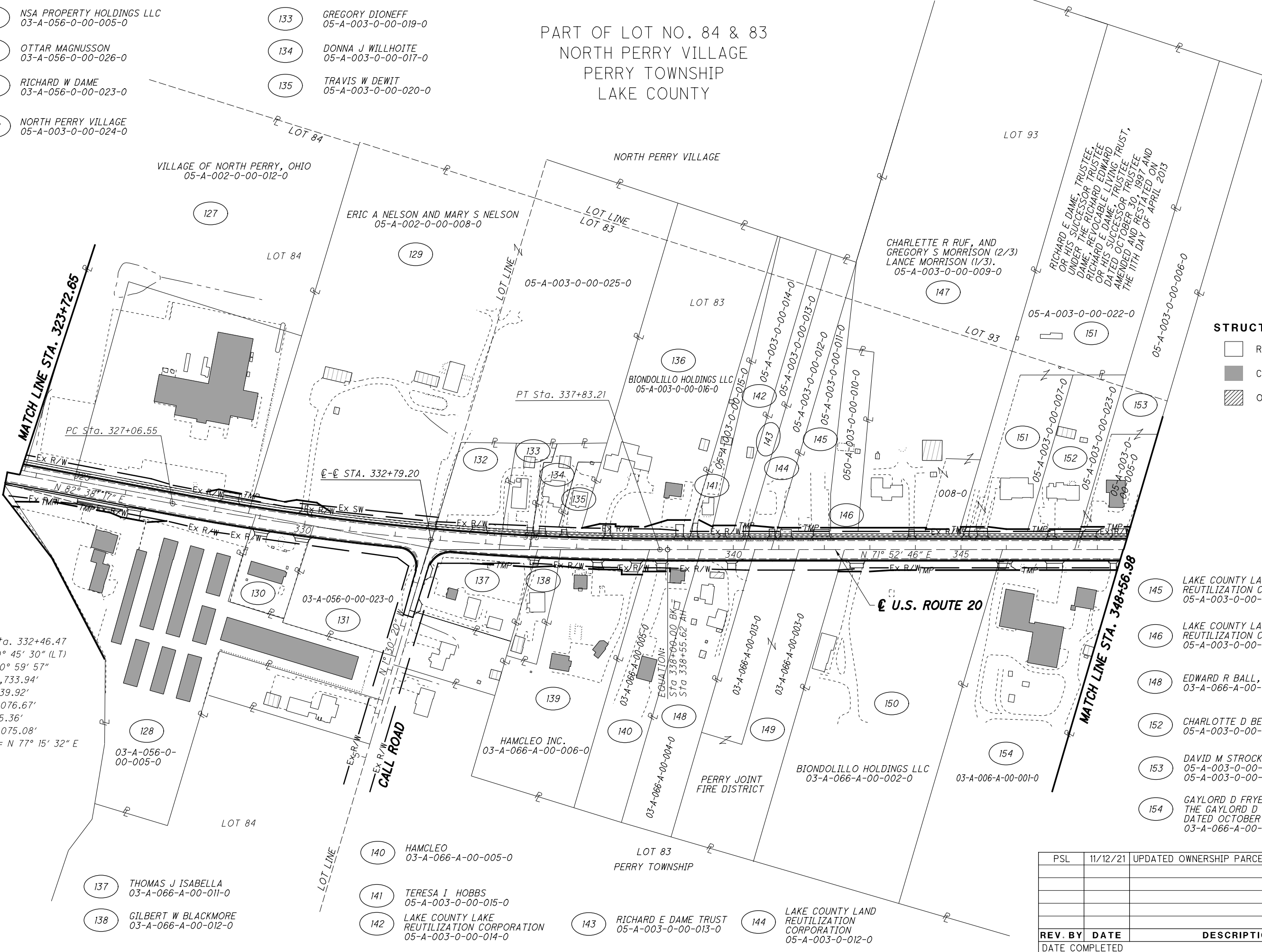
**LAK-US-20-19.59  
PART 1**

23/165

1059  
1253

PART OF LOT NO. 84 & 83  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY

- 128 NSA PROPERTY HOLDINGS LLC  
03-A-056-0-00-005-0
- 130 OTTAR MAGNUSSON  
03-A-056-0-00-026-0
- 131 RICHARD W DAME  
03-A-056-0-00-023-0
- 132 NORTH PERRY VILLAGE  
05-A-003-0-00-024-0
- 133 GREGORY DIONEFF  
05-A-003-0-00-019-0
- 134 DONNA J WILLHOITE  
05-A-003-0-00-017-0
- 135 TRAVIS W DEWIT  
05-A-003-0-00-020-0



- STRUCTURE KEY**
- RESIDENTIAL
  - COMMERCIAL
  - OUT-BUILDING

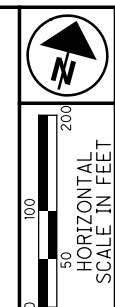
- 145 LAKE COUNTY LAND REUTILIZATION CORPORATION  
05-A-003-0-00-011-0
- 146 LAKE COUNTY LAND REUTILIZATION CORPORATION  
05-A-003-0-00-010-0
- 148 EDWARD R BALL, JR.  
03-A-066-A-00-004-0
- 152 CHARLOTTE D BENDER  
05-A-003-0-00-023-0
- 153 DAVID M STROCK  
05-A-003-0-00-005-0  
05-A-003-0-00-006-0
- 154 GAYLORD D FRYER, TRUSTEE OF THE GAYLORD D FRYER TRUST  
DATED OCTOBER 23, 1996  
03-A-066-A-00-001-0

P.I. Sta. 332+46.47  
 $\Delta = 10^\circ 45' 30" (LT)$   
 $Dc = 0^\circ 59' 57"$   
 $R = 5,733.94'$   
 $T = 539.92'$   
 $L = 1,076.67'$   
 $E = 25.36'$   
 $C = 1,075.08'$   
 $C.B. = N 77^\circ 15' 32" E$

REV. BY	DATE	DESCRIPTION
PSL	11/12/21	UPDATED OWNERSHIP PARCELS 140 & 147

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PART OF LOT NOS. 83, 92 & 82  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY

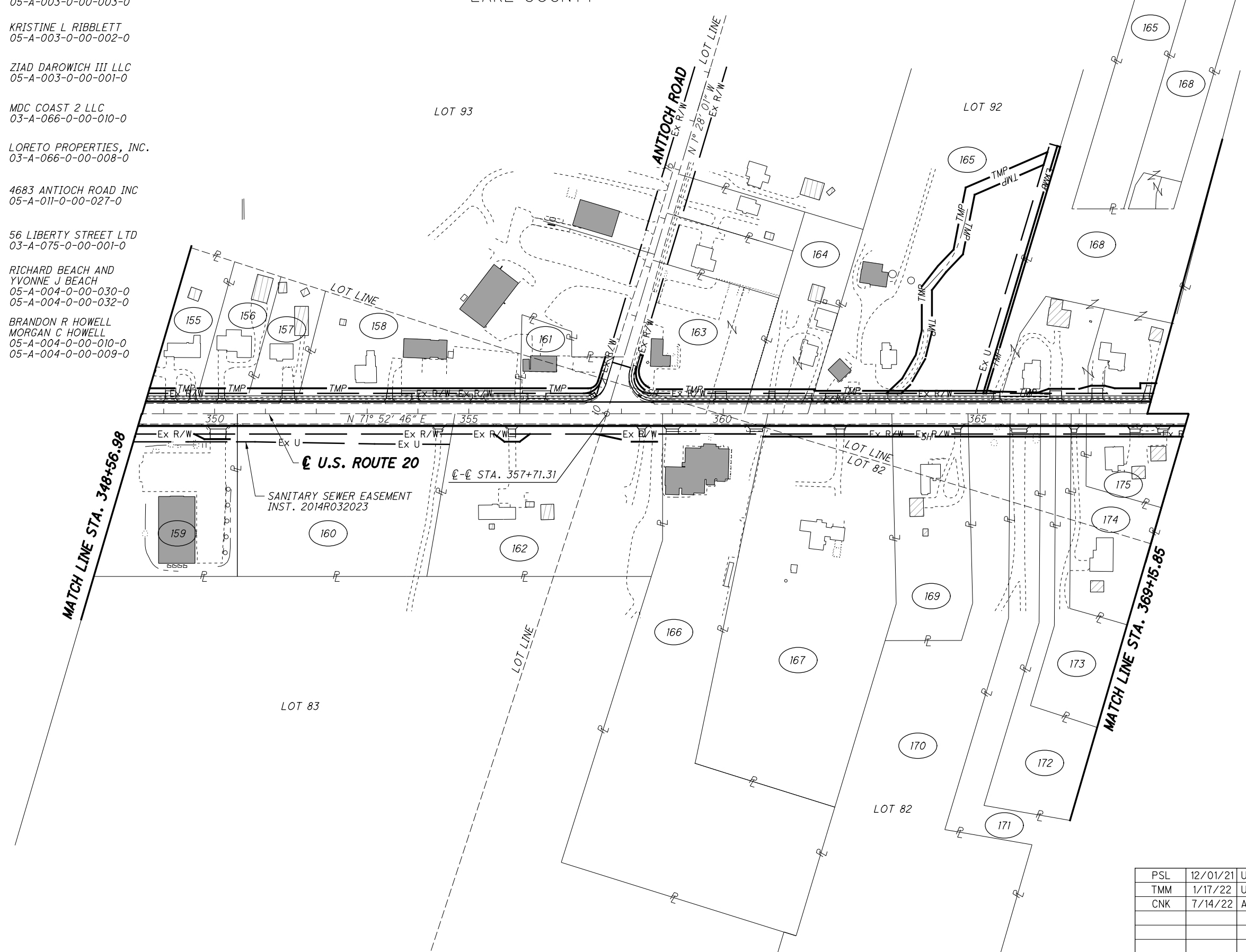


- 155 JENNIFER N MOSBY  
05-A-003-0-00-004-0
- 156 CHARLES E WHITE  
AND JERI L WHITE  
05-A-003-0-00-003-0
- 157 KRISTINE L RIBBLETT  
05-A-003-0-00-002-0
- 158 ZIAD DAROWICH III LLC  
05-A-003-0-00-001-0
- 159 MDC COAST 2 LLC  
03-A-066-0-00-010-0
- 160 LORETO PROPERTIES, INC.  
03-A-066-0-00-008-0
- 161 4683 ANTIOCH ROAD INC  
05-A-011-0-00-027-0
- 162 56 LIBERTY STREET LTD  
03-A-075-0-00-001-0
- 163 RICHARD BEACH AND  
YVONNE J BEACH  
05-A-004-0-00-030-0  
05-A-004-0-00-032-0
- 164 BRANDON R HOWELL  
MORGAN C HOWELL  
05-A-004-0-00-010-0  
05-A-004-0-00-009-0

- 165 ROY R BRENERISER AND  
DOUGLAS S BRENERISER  
05-A-004-0-00-008-0
- 166 NRH BAD DOG INC.  
03-A-075-0-00-017-0
- 167 ROY R BRENERISER AND  
DOUGLAS S BRENERISER  
03-A-075-0-00-014-0
- 168 JOYCE L HAYES,  
Tina JOYCE L QUICKEL  
CRISTINE VIVIAN HINE  
AND CHAD CHRISTOPHER HINE  
05-A-004-0-00-007-0  
05-A-004-0-00-006-0  
05-A-004-0-00-005-0
- 169 RAYMOND JOSEPH BRILL, JR.  
AND SUSAN G BRILL  
03-A-075-0-00-002-0
- 170 PINE LAKE TENNIS  
HOLDING COMPANY LLC  
03-A-075-0-00-048-0
- 171 EDWARD A WALKER TRUSTEE  
U/A DATED AUGUST 27, 1996  
03-A-075-0-00-047-0
- 172 JEANNINE M ROUGHT 1/3 INT  
MARJORIE A LUTZ 1/3 INT  
TINA M HAAS 1/3 INT  
03-A-075-0-00-018-0
- 173 TINA HAAS  
03-A-075-0-00-019-0
- 174 JEANNINE M ROUGHT 1/3 INT  
MARJORIE A LUTZ 1/3 INT  
TINA M HAAS 1/3 INT  
03-A-075-0-00-020-0
- 175 TINA M HAAS  
03-A-075-0-00-003-0

MATCH LINE STA. 348+56.98

MATCH LINE STA. 369+15.85



**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

PSL	12/01/21	UPDATED OWNERSHIP PARCEL 164
TMM	1/17/22	UPDATED OWNERSHIP PARCEL 172 & 174
CNK	7/14/22	ADDED TEMPORARIES FOR PARCEL 165

REV. BY	DATE	DESCRIPTION

PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**PROPERTY MAP**

**LAK-US-20-19.59  
PART 1**

24 / 165

1060  
1253

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PID NO. 108665

R/W DESIGNER PSL R/W REVIEWER TMM

PROPERTY MAP

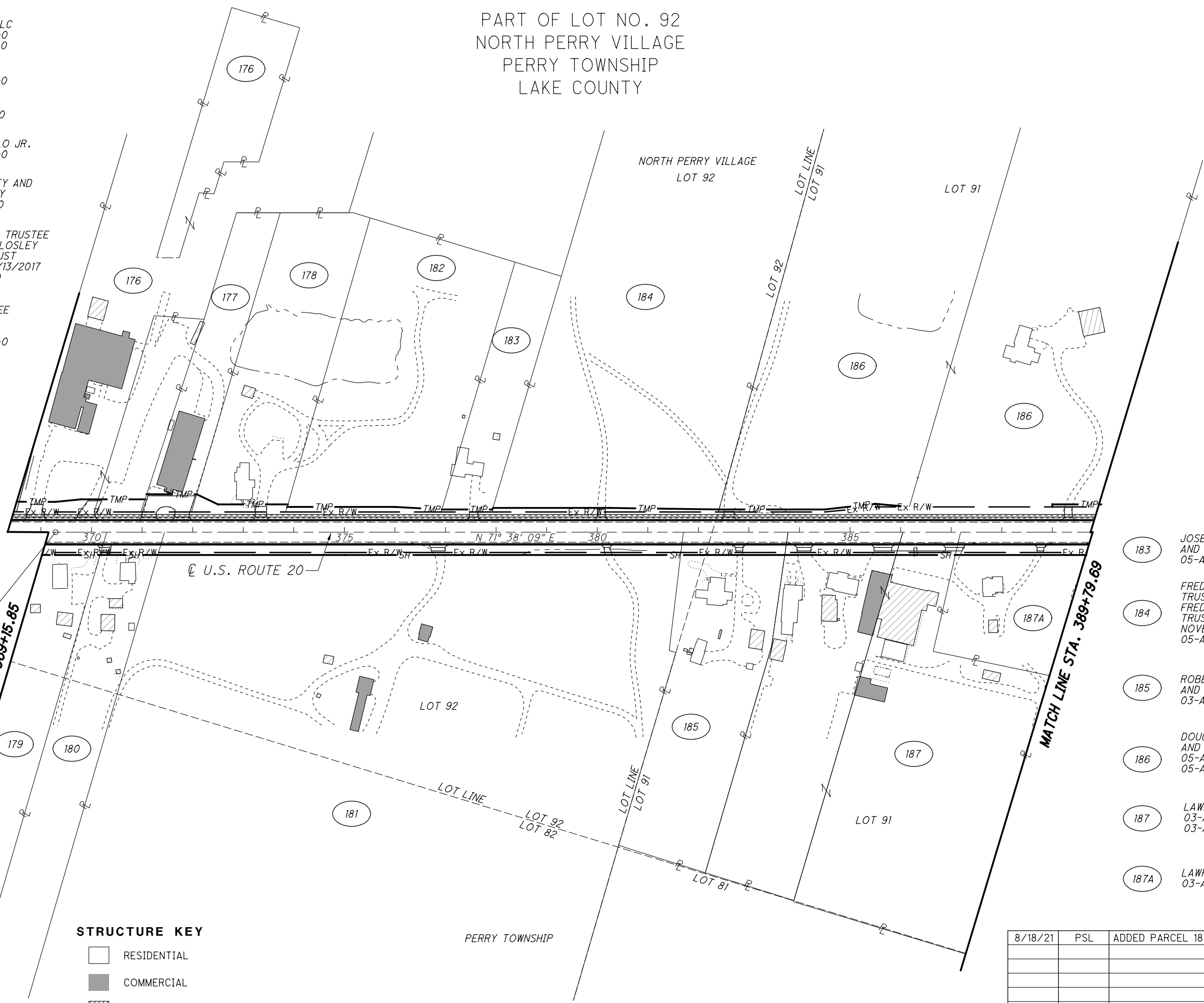
LAK-US-20-19.59 PART 1

25 / 165

1061 1253

PART OF LOT NO. 92  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY

- 176 ARRT2 PROPERTIES LLC  
05-A-004-0-00-004-0  
05-A-004-0-00-034-0
- 177 JOSEPH J FELLOWS  
05-A-004-0-00-038-0
- 178 CINDY L FARREN  
05-A-004-0-00-041-0
- 179 RICHARD COLADANGELO JR.  
03-A-075-0-00-004-0
- 180 MICHAEL J MCGROARTY AND  
PAMELA S MCGROARTY  
03-A-075-0-00-012-0
- 181 GERTRUDE H LOSELY, TRUSTEE  
OF THE GERTURDE H LOSLEY  
RESTATEMENT OF TRUST  
AGREEMENT DATED 2/13/2017  
03-A-075-0-00-011-0
- 182 KAREN PRICE, TRUSTEE  
OF THE BREWSTER  
FAMILY TRUST  
05-A-004-0-00-002-0



- STRUCTURE KEY**
- RESIDENTIAL
  - COMMERCIAL
  - OUT-BUILDING

- 183 JOSEPH R VOJACEK  
AND LISA R VOJACEK  
05-A-004-0-00-036-0
- 184 FREDERICK A SLAGLE,  
TRUSTEE OF THE  
FREDERICK A SLAGLE  
TRUST, DATED  
NOVEMBER 29, 1999  
05-A-004-0-00-001-0
- 185 ROBERT S HOLLAR II  
AND JENNIFER A HOLLAR  
03-A-084-0-00-004-0
- 186 DOUGLAS A SECOR  
AND KATHY S SECOR  
05-A-005-0-00-015-0  
05-A-005-0-00-014-0
- 187 LAWRENCE J SECOR  
03-A-084-0-00-024-0  
03-A-084-0-00-005-0
- 187A LAWRENCE J SECOR  
03-A-084-0-00-031-0

8/18/21	PSL	ADDED PARCEL 187A

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PID NO. **108665**

R/W DESIGNER PSL  
R/W REVIEWER TMM

**PROPERTY MAP**

**LAK-US-20-19.59  
PART 1**

26 / 165

1062  
1253

PART OF LOT 91  
VILLAGE OF NORTH PERRY  
PERRY TOWNSHIP  
LAKE COUNTY

- 188 VICKI L TENNY  
03-A-084-0-00-007-0
- 189 ERIC M HODGE & JULIA R ZAY  
05-A-005-0-00-011-0
- 190 EMCH PROPERTIES INC  
03-A-084-0-00-018-0
- 191 LANCE D MORRISON  
05-A-005-0-00-017-0
- 192 ALEXANDER P REICHENBACH  
03-A-084-0-00-023-0
- 193 VILLAGE OF NORTH PERRY  
05-A-005-0-00-010-0

MATCH LINE STA. 389+79.69

END ACQUISITION  
STA. 403+04.62

END PROJECT LAK-20-19.59 STA. 411+20.00	BEGIN PROJECT LAK-20-24.99 STA. 411+62.00
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**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

194 SHREE HARI MADISON, LLC  
03-A-084-0-00-008-0

195

JOAN W LARICCA, TRUSTEE OF THE JOAN W LARICCA LIVING TRUST U/A  
DATED FEBRUARY 6, 2006 UND. 1/5 INT.,  
DANIEL LARICCA UND. 1/10 INT., MOLLY LARICCA, NKA MOLLY BIRT UND. 1/10 INT.,  
KRISTIAN LARICCA UND. 1/10 INT., TONY J. LARICCA UND. 1/10 INT.,  
CAROL O'SHAUGHNESSEY, AKA CAROL O'SHAUGHNESSY UND. 1/10 INT.,  
JAMES O'SHAUGHNESSEY, AKA JAMES O'SHAUGHNESSY UND. 1/10 INT.,  
NORA O'SHAUGHNESSEY, AKA NORA O'SHAUGHNESSY UND. 1/10 INT.,  
KATHRYN O'SHAUGHNESSEY, AKA KATHRYN O'SHAUGHNESSY UND. 1/10 INT.  
03-A-084-0-00-009-0

196 KATHRYN ANZELC &  
ANTHONY ANZELC  
03-A-084-0-00-011-0

197 KELLY L TURNER  
03-A-084-0-00-012-0

198 REBRAB LLD  
05-A-005-0-00-021-0

199 THOMAS S COTTER  
05-A-005-0-00-009-0

200 COLBY J SIGL  
05-A-005-0-00-008-0

201 EDWARD KLCO  
05-A-005-0-00-019-0  
05-A-005-0-00-007-0

202 CHURCH OF JESUS CHRIST  
OF LATTER-DAY SAINTS  
05-A-005-0-00-006-0

204 ANTHONY LARICCA  
03-A-084-0-00-014-0

205 EXTENDED HOUSING INC  
03-A-084-0-00-022-0

206 RICHARD E DAME AND  
JOYCE A DAME AND  
RICHARD W DAME  
03-A-084-0-00-015-0

JOAN W LARICCA, TRUSTEE  
OF THE JOAN W LARICCA LIVING TRUST U/A  
DATED FEBRUARY 6, 2006 UND. 1/5 INT.,  
DANIEL LARICCA UND. 1/10 INT.,  
MOLLY LARICCA, NKA MOLLY BIRT UND. 1/10 INT.,  
KRISTIAN LARICCA UND. 1/10 INT., TONY J. LARICCA UND. 1/10 INT.,  
CAROL O'SHAUGHNESSEY, AKA CAROL O'SHAUGHNESSY UND. 1/10 INT.,  
JAMES O'SHAUGHNESSEY, AKA JAMES O'SHAUGHNESSY UND. 1/10 INT.,  
NORA O'SHAUGHNESSEY, AKA NORA O'SHAUGHNESSY UND. 1/10 INT.,  
KATHRYN O'SHAUGHNESSEY, AKA KATHRYN O'SHAUGHNESSY UND. 1/10 INT.  
03-A-084-0-00-013-0

PSL	8/27/21	REVISED OWNERSHIP PARCEL 194-SH
TMM	01/13/22	REVISED OWNERSHIP PARCEL 195-SH
TMM	01/13/22	REVISED OWNERSHIP PARCEL 203-SH

REV. BY	DATE	DESCRIPTION

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**TOTAL NUMBER OF :**

160 OWNERSHIPS 1 TOTAL TAKES  
 248 PARCELS 1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

**ALL AREAS IN ACRES**  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
1-SH	ROBERT H WIGTON IN TRUST, FOR	50-51	23	1137	11-B-034-0-00-028-0	0.730	0	0.035	0	0.035		0.695		↑	8 PARKING SPACES IMPACTED		
1-T	CHARLES N CADWELL, JAMES B CADWELL AND NANCY N PRUCE, C/O LOU-BOB MENTOR PROPERTIES							0.037		0.037					DRIVEWAY CONSTRUCTION & GRADING		
2-SH	2501 NORTH RIDGE ROAD INC	50-51	2012R031491		11-B-034-0-00-030-0	2.120	0	0.050		0.050		2.070			SINES INC., SOCO SIGN, BOULDERS & LIGHT - TAKE		
2-T								0.038		0.038					DRIVEWAY CONSTRUCTION & GRADING		
3-SH	AMMM LLC	50-51	2018R041535		11-B-034-0-00-005-0	0.762	0.039	0.038	0	0.038		0.685			OVERLAPS EX. W/L EASEMENT BY 300 SF		
4-SH	MKR PROPERTIES LLC	50-51	2014R003942		11-B-034-0-00-027-0	0.437	0.137	0.059	0	0.059		0.241			OVERLAPS EX. W/L EASEMENT BY 2000 SF		
					03-A-005-C-00-001-0	0.819	0.0007	0.022	0	0.022		0.796					
					TOTAL	1.256	0.1377	0.081	0	0.081		1.037					
5-SH	FRANK G SAILORS TRUSTEE OF THE SAILORS DESCENDANTS IRREVOCABLE TRUST AGREEMENT DATED JULY, 9 2004	52-53	2009R028325		03-A-005-C-00-002-0	0.754	0.102	0.067	0	0.067	SIGN	0.585			FRANKIE'S TAVERN SIGN - TAKE		
															OVERLAPS EX. W/L EASEMENT BY 1659 SF		
6-SH	SINES, INC.	52-53	767	879	03-A-006-B-00-001-0	0.990	0.205	0.063	0	0.063	SIGN	0.927			ACTION AUTO SIGN, 5 BOULDERS - TAKE		
6-T	fka JUNIOR H SINES, INC.							0.030		0.030					DRIVEWAY CONSTRUCTION & GRADING		
															PARCEL 6-SH OVERLAPS EX. W/L EASEMENT BY 150 SF		
															PARCEL 6-T OVERLAPS EX. W/L EASEMENT BY 300 SF		
7-SH	McCALLISTER REAL ESTATE LLC	52-55	2017R010032		03-A-006-B-00-002-0	0.674	0.064	0.021	0	0.021		0.589		100% STATE	McCALLISTER'S SIGN - TAKE		
			2018R029721		03-A-006-B-00-015-0	2.498	0.179	0.060	0	0.060		2.259			PARKING AREA REDUCED		
					03-A-006-B-00-003-0	1.020	0.101	0.039	0	0.039		0.880					
					TOTAL	4.192	0.344	0.120	0	0.120		3.728					
7-T								0.003		0.003					DRIVEWAY CONSTRUCTION & GRADNG		
7-T2								0.007		0.007					SIGN REMOVAL		
8-SH	LIMBERLOST MOTEL INC	52-55	724	201	03-A-005-0-00-021-0	4.470	0.53	0.171	0	0.171	SIGN	3.769			LIMBERLOST SIGN & LIGHTS - TAKE		
8-T								0.006		0.006					OVERLAPS EX. WATERLINE EASEMENT BY 5705 SF		
															SIGN REMOVAL		
9-SH1	THE BOARD OF LAKE COUNTY COMMISSIONERS	54-55	597	798	03-A-006-B-00-014-0	10.670	0.063	0.021	0	0.021		10.586					
9-SH2		56-57			03-A-006-0-00-007-0	4.740	0.494	0.012	0	0.012		4.097					
9-SH3		56-59			03-A-006-0-00-007-0			0.137	0	0.137							
9-SH4		62-63			03-A-006-0-00-004-0	67.435	0.500	0.048	0	0.048		66.842					
9-SH5		64-65			03-A-006-0-00-004-0			0.045	0	0.045							
					TOTAL	82.845	1.057	0.244	0	0.244		81.525					
9-T1		58-59						0.024		0.024					DRIVEWAY CONSTRUCTION & GRADING		
9-T2		60-63						0.046		0.046					GRADING		
9-T3		64-65						0.013		0.013					GRADING		
9-T4		64-65						0.017		0.017					GRADING		

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

TYPES OF TITLE LEGEND:

SH = STANDARD HIGHWAY EASEMENT  
 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

TMM	2/17/22	REVISED PCL 2-T; ADDED PCL 7-T2 & 8-T
REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
 LAK-US-20-19.59 PART 1  
 27/165  
 1063  
 1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

**GRANTEE :**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
10-SH	DONALD MATTHEW DELZOPPO TRUSTEE OF THE DONALD MATTHEW DELZOPPO REVOCABLE TRUST	56-57	2017R000735		03-A-006-B-00-005-0	1.733	0.152	0.046	0	0.046		1.535			AVAILABLE SIGN - TAKE		
11-SH	MICHAEL ZISIS AND CONSTANTINE ZISIS	56-57	2005R042304		03-A-006-B-00-012-0 03-A-006-B-00-013-0 TOTAL	0.960 0.400 1.360	0.152 0.049 0.201	0.027 0.007 0.034	0 0 0	0.027 0.007 0.034	SIGN	0.781 0.344 1.125			LIGHTHOUSE SUITES SIGN - TAKE		
11-T								0.044		0.044					DRIVEWAY CONSTRUCTION & GRADING		
12-SH	THE BOARD OF LAKE COUNTY COMMISSIONERS	58-59	112	1085	03-A-006-B-00-008-0 03-A-006-B-00-009-0 03-A-006-B-00-011-0 TOTAL	1.160 1.410 1.300 3.870	0.135 0.026 0.085 0.246	0.016 0 0 0.016	0 0 0 0	0.016 0 0 0.016	SIGN	1.009 1.384 1.215 3.608			* PORTION OF ELEC. SIGN & WALL ENCROACHES		
12-T1		56-57						0.014		0.014					GRADING		
12-T2		58-59						0.045		0.045					DRIVEWAY CONSTRUCTION & GRADING		
13-SH	1968 ENTERPRISES INC	58-59	160	132	03-A-006-B-00-007-0	0.860	0.103	0.017	0	0.017		0.740			DRIVEWAY CONSTRUCTION & GRADING		
13-T								0.024		0.024					DRIVEWAY CONSTRUCTION & GRADING		
14-SH	TANYA M GLAWITSCH, FORMERLY TANYA M UNDERWOOD, SUCCESSOR TRUSTEE UNDER THE PATRICIA L QUAYLE TRUST UTD 8/12/2013 AND SHANNON L WILSON, SUCCESSOR TRUSTEE UNDER THE JUDITH A POPP TRUST UTD 8/12/2013	58-59	2018R012337		03-A-006-A-00-001-0	0.720	0.069	0.011	0	0.011		0.640			DRIVEWAY CONSTRUCTION & GRADING		
14-T								0.016		0.016					DRIVEWAY CONSTRUCTION & GRADING		
15-SH	NORTH RIDGE MINI STORAGE, INC	60-61	2012R003651		03-A-006-A-00-037-0	0.620	0.252	0.026	0	0.026	FENCE	0.342			* 200 LF CHAIN LINK FENCE ENCROACHES - TAKE		
16-SH	HOLLY M GRANDE	58-59	2006R032627		03-A-006-A-00-002-0	0.840	0.062	0.031	0	0.031		0.747					
17-SH	JOHN R DOWLING, JR. AND LISA A DOWLING	60-61	2011R013927		03-A-006-A-00-003-0	1.020	0.062	0.031	0	0.031	SIGN	0.927			VINTAGE FINDZ SIGN - TAKE		
18SH	NORTH RIDGE MINI STORAGE, INC	60-61	2012R003651		03-A-006-A-00-036-0 03-A-006-A-00-041-0 TOTAL	2.000 0.439 2.439	0.163 0.075 0.238	0.085 0.042 0.127	0 0 0	0.085 0.042 0.127	SIGN	1.752 0.322 2.074			MINI STORAGE SIGN - TAKE		
18-T								0.026		0.026					GRADING		

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

TYPES OF TITLE LEGEND:

SH = STANDARD HIGHWAY EASEMENT  
 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

TMM	2/17/22	REVISED PARCEL 12-T2
REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
19-SH	EUGENE KOBUS AND DOROTHY KOBUS	62-63	2018R001663		03-A-006-A-00-024-0	0.540	0.080	0.043	0	0.043			0.417				
20-SH	NADINE L VIDMAR	62-63	2006R050319		03-A-006-A-00-029-0	0.590	0.069	0.034	0	0.034			0.487				
21-SH	KENNETH L FLANIGAN	62-63	2009R032225		03-A-006-A-00-030-0	0.760	0.069	0.034	0	0.034			0.657		5 LF CHAIN LINK FENCE TO BE REMOVED		
22-SH	TERRY THOMAS McLAUGHLIN AND DOLORES M McLAUGHLIN	62-63	2012R018553		03-A-006-A-00-033-0	0.790	0.069	0.034	0	0.034			0.687				
23-SH	2709 PRENGLER PROPERTIES, LLC	62-65	2001R057377 2004R054799		03-A-006-A-00-038-0 03-A-006-A-00-027-0	0.260 1.300	0.034 0.159	0.011 0.053	0 0	0.011 0.053			0.215 1.088		CENTURY 21 SIGN - TAKE LOSS OF 12 PARKING SPACES		
					TOTAL	1.560	0.193	0.064	0	0.064			1.303				
23-T								0.067		0.067					DRIVEWAY CONSTRUCTION & GRADING		
24-SH	GUSTAVE TAKACS AND ETHEL TAKACS	62-63	2017R002671		03-A-006-A-00-032-0	0.560	0.069	0.034	0	0.034			0.457				
25-SH	DEMING III, LLC	64-65	1998R002384		03-A-006-A-00-007-0	8.269	0.117	0.055	0	0.055			8.097				
26-SH	LINCOLNSHIRE LAND, LLC	64-65	2015R005506		03-A-006-A-00-042-0	1.010	0	0.009	0	0.009			1.001		26-SH OVERLAPS SAN SEWER EASEMENT BY 406 SF GRADING		
26-T															26-T OVERLAPS SAN SEWER EASEMENT BY 1258 SF		
27-T	C AND K STARRLAND LLC	64-65	2003R057760		03-A-006-A-00-040-0	0.638	0.118	0.015		0.015					DRIVEWAY CONSTRUCTION & GRADING		
28	GEORGIA PATRIARCA KOLCUM & MARY E PATRIARCA, TRUSTEES OF THE PATRIARCA FAMILY TRUST DATED JUNE 9, 2004	66-67	2005R025349 2005R025763		03-A-006-A-00-028-0 03-A-006-0-00-013-0	1.000 1.342									NO R/W REQUIRED		

100% STATE

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FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

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SH = STANDARD HIGHWAY EASEMENT  
 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

29	165	
REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

1065  
1253

**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
29	BANK ONE OF NE OHIO	66-67	2002R067711		03-A-006-A-00-035-0	0.963									NO R/W REQUIRED		
30-SH	DEMING V LLC	70-73	1997R006263		03-A-013-0-00-007-0	25.737	0.859	0.145	0	0.145		24.733			30-SH OVERLAPS EX. OBT EASEMENT BY 6326 SF		
31	PTM LP	68-69	2014R016030		03-A-013-B-00-016-0	1.445									NO R/W REQUIRED		
32-SH	JONES ESTATES PERRY LLC	70-71	2020R024078		03-A-013-B-00-002-0	4.788	0.183	0.023	0	0.023		4.582					
					03-A-013-B-00-001-0	4.980	0.182	0.023	0	0.023		4.775					
					TOTAL	9.768	0.365	0.046	0	0.046		9.357					
33-SH 33-T	HJL STUBB, LLC	70-73	2011R027367		03-A-013-0-00-009-0	17.000	0.383	0.050	0	0.050	SIGN	16.567			FOR SALE SIGN - TAKE GRADING		
34-SH	J R PACHECO	74-75	2021R005561		03-A-013-0-00-010-0	29.300	0.130	0.070	0	0.070		29.100					
35-SH	J4J PROPERTIES, LLC	74-75	2009R032915		03-A-013-A-00-018-0	0.850	0.335	0.040	0	0.040	SIGN	0.475			THIRSTY CACTUS SIGN - TAKE APPROX. 12 PARKING SPACES IMPACTED		
36-SH	THE NOONEY FAMILY IRREVOCABLE TRUST DATED JAN. 26, 2016, JAMES R NOONEY, TRUSTEE	74-75	2016R003880		03-A-013-A-00-001-0	0.500	0.058	0.029	0	0.029		0.413					
					03-A-013-A-00-002-0	0.410	0.048	0.024	0	0.024		0.338					
					TOTAL	0.910	0.106	0.053	0	0.053		0.751					
37-SH 37-T	JULIE L SCHULTZ AND JOSEPH D SCHULTZ	74-75	2003R023204		03-A-013-A-00-017-0	0.500	0.057	0.019	0	0.019		0.424			DRIVEWAY CONSTRUCTION & GRADING		

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

TYPES OF TITLE LEGEND:

SH = STANDARD HIGHWAY EASEMENT  
 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
 LAK-US-20-19.59 PART 1  
 30 / 165  
 1066  
 1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED		
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE	
38-SH	CHARLES N HIGGENS, JR., TRUSTEE UNDER TRUST AGREEMENT DATED MARCH 27, 1989	74-75	1998R013460		03-A-013-A-00-016-0	0.250	0.034	0.0115	0	0.0115		0.2045		↑				
					03-A-013-A-00-015-0	0.200	0.034	0.0115	0	0.0115		0.1545						
					TOTAL	0.450	0.068	0.023	0	0.023		0.359						
38-T								0.017		0.017					DRIVEWAY CONSTRUCTION & GRADING			
39-SH	DUANE MANLEY AND BEVERLY R. MANLEY	76-77	2020R010919		03-A-013-A-00-014-0	1.950	0.139	0.038	0	0.038		1.773			37 LF FENCE TO BE REMOVED			
40-SH	TED A DENNISON AND CINDY A DENNISON	74-77	2008R013871		03-A-013-A-00-003-0	0.910	0.106	0.053	0	0.053	SIGN	0.751		↑	HILLTOP SIGN - TAKE			
					03-A-013-A-00-004-0	0.910	0.106	0.053	0	0.053		0.751			APPROX. 20 PARKING SPACES IMPACTED			
					03-A-013-A-00-005-0	0.910	0.159	0.074	0	0.074		0.677			OVERLAPS EX. TELEPHONE EASEMENT BY 87 SF			
					TOTAL	2.730	0.371	0.180	0	0.180		2.179						
40-T								0.004		0.004					SIGN REMOVAL			
41-SH	ELESTER RAIMEY	76-77	2017R006624		03-A-013-A-00-013-0	1.000	0.083	0.012	0	0.012		0.905		↑				
					03-A-013-A-00-011-0	3.000	0.126	0.040	0	0.040		2.834						
					TOTAL	4.000	0.209	0.052	0	0.052		3.739						
42-SH1	JOSEPH A KRAWS, JR. AND	78-79	2013R028459		03-A-013-A-00-009-0	2.000	0.257	0.034	0	0.034				↑				
42-SH2	LUCILLE O KROWS BANKS							0.071		0.071								
					TOTAL	2.000	0.257	0.105	0	0.105		1.638						
42-T								0.032		0.032					GRADING			
43-SH1	RICHARD J WEST, TRUSTEE OF THE RICHARD	78-79	2008R025893		03-A-019-0-00-001-0	66.452	0.363	0.190	0	0.190	SIGN			↑	PORTION OF WALL & SIGN POST TO BE REMOVED			
43-SH3	J WEST REVOCABLE REAL ESTATE TRUST	82-83	2008R025892				0.088	0.044	0	0.044						56 LF SPLIT RAIL FENCE TO BE REMOVED		
	U/S JULY 16, 2008				TOTAL	66.452	0.451	0.234	0	0.234		65.767						
43-T								0.006		0.006					SIGN REMOVAL			
44-SH	BRIAR ROSE NURSERY LLC	81-80	2019R016278		03-A-013-A-00-007-0	3.680	0.215	0.068	0	0.068		3.397		↑	APPROX. 17 PARKNG SPACES IMPACTED			
44-T								0.026		0.026						DRIVEWAY CONSTRUCTION & GRADING		
45-SH	TODD R WEST AND ANNETTE M WEST		2011R006735		03-A-013-A-00-006-0	1.573	0.231	0.111	0	0.111		1.231		↑				
45-T			2007R019233					0.006		0.006						GRADING		

100% STATE

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

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\* DENOTES RIGHT OF WAY ENCROACHMENT

PSL	9/22/21	REVISED PCL 42-SH2; COMBINED 43-SH1 & SH2
TMM	2/17/22	ELIMINATED PARCEL 43-T
		ADDED PCL 40-T & 43-T FOR SIGN REMOVAL
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

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 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
46-SH	RICHARD J WEST	80-81	2007R015785		03-A-019-0-00-015-0	1.888	0.149	0.075	0	0.075			1.664				
47-SH	MELBA'S MEADOW, LLC	80-81	2021R025775		03-A-020-0-00-001-0	1.470	0.214	0.069	0	0.069		1.187					
48-SH	DAVID L EISENHUTH AND SARA J EISENHUTH	82-83	2007R010034		03-A-020-0-00-022-0	1.210	0.073	0.024	0	0.024		1.113					
49-SH	MELBA'S MEADOW, LLC	82-83	2021R025775		03-A-020-0-00-002-0	15.500	0.150	0.022		0.022		15.328					
50-SH 50-T	LOWELL W SCHWEICKART AND JUDITH L SCHWEICKART	82-83	835	619	03-A-020-0-00-005-0	0.990	0.050	0.010 0.010		0.010 0.010		0.930			DRIVEWAY CONSTRUCTION & GRADING		
51-SH	RICHARD W DAME	82-83	2007R026380		03-A-019-0-00-002-0	2.442	0.228	0.111	0	0.111		2.103					
52-SH	JEROME D SQUARE	84-85	2016R033609		03-A-019-0-00-018-0	1.866	0.014	0.070	0	0.070		1.782					
53-T 53-WA	CHRISTINE M O'MALLEY AND JOHN R O'MALLEY	84-85	1996R019417 1996R014152		03-A-020-0-00-006-0	8.800		0.031 0.009		0.031 0.009					DRIVEWAY CONSTRUCTION & GRADING * 2 FENCE CORNERS ENCROACH - TAKE		
54-SH	NEW LIFE CHURCH INC	84-87	2018R002345		03-A-019-0-00-003-0 03-A-019-0-00-004-0 TOTAL	16.847 19.000 35.847	0.034 0.231 0.265	0.011 0.077 0.088	0	0.011 0.077 0.088		16.802 18.692 35.494					
54-T								0.006		0.006					GRADING		

100% STATE

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FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

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 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

TMM	1/20/22	ADDED PARCEL 53-WA
PSL	9/24/21	REVISED OWNERSHIP PARCEL 49
PSL	9/17/21	REVISED OWNERSHIP PARCEL 47
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

32 / 165  
 1068  
 1253

**TOTAL NUMBER OF :**

160 OWNERSHIPS 1 TOTAL TAKES  
 248 PARCELS 1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE:**

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 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
55-T	VJACK LLC	84-85	2017R033317		03-A-020-0-00-007-0	11.300	0.1446	0.030		0.030					DRIVEWAY CONSTRUCTION & GRADING		
56-SH	BRUCE ALAN MANLEY	84-85	2014R020170 2014R020169		03-A-020-0-00-009-0	1.300	0.109	0.035	0	0.035		1.156					
57-SH 57-T	ROBERT HILL	86-87	2019R009166		03-A-020-0-00-026-0	1.100	0	0.028	0	0.028		1.072			95 LF WOOD FENCE, 2 LIGHTS - TAKE DRIVEWAY CONSTRUCTION & GRADING		
58-SH 58-T	KURT WEST AND LARRY KEENER	86-87	2002R002480		03-A-020-0-00-010-0	28.836	0.203	0.038	0	0.038		28.595			DRIVEWAY CONSTRUCTION & GRADING		
59-SH 59-T	3266 NORTH RIDGE PERRY, LLC	86-87	2021R040780		03-A-019-A-00-005-0	2.040	0	0.056	0	0.056		1.984			85 LF GUARDRAIL & 8 POSTS TO BE REMOVED DRIVEWAY CONSTRUCTION & GRADING		
60-SH 60-T	KURT WEST	86-87	2007R014534		03-A-020-0-00-027-0	0.834	0.067	0.025	0	0.025		0.742			2 - 24" TREES - TAKE DRIVEWAY CONSTRUCTION & GRADING		
61-SH 61-T	KATHLEEN A LANTZ	86-87	2018R019493		03-A-020-0-00-017-0	1.840	0.097	0.031	0	0.031		1.712			DRIVEWAY CONSTRUCTION & GRADING		
62-SH	WALKER HOLDINGS, LLC	88-89	2017R034893		03-A-020-0-00-011-0	2.270	0.119	0.039	0	0.039		2.112			* PARKING LOT ENCROACHES LOSS OF 6 PARKING SPACES		
63-SH 63-T	DAGHLAS NORTH RIDGE PROPERTIES, LLC	86-89	2018R023365		03-A-019-A-00-004-0	1.810	0	0.063	0	0.063		1.747			DRIVEWAY CONSTRUCTION & GRADING TEMPORARY IMPACTS 16 PARKING SPACES		

100% STATE

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
 LAK-US-20-19.59 PART 1

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

TYPES OF TITLE LEGEND:

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+ DENOTES REMOVAL ITEMS  
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PSL	11/29/21	UPDATED OWNERSHIP PARCEL 59
TMM	2/3/22	REVISED AREA PARCEL 63-T
REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

33 / 165

1069  
1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

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PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
64-SH	FRANK SAILORS, TRUSTEE OF THE SAILORS DECENDANTS IRREVOCABLE TRUST	88-89	2014R001713		03-A-020-0-00-012-0	0.860	0.031	0.010	0	0.010		0.819					
					03-A-020-0-00-013-0	2.650	0.069	0.025	0	0.025		2.556					
					TOTAL	3.510	0.100	0.035	0	0.035		3.375					
65-SH	J S ENGLISH CO. INC	88-89	2019R007947		03-A-020-0-00-014-0	21.100	0.162	0.142	0	0.142		20.796			65-SH OVERLAPS EX CHANNEL EASEMENT BY 501 SF		
65-T		162-163						0.247		0.247					65-T OVERLAPS EX CHANNEL EASEMENT BY 3119 SF		
		88-89													STORM SEWER CONSTRUCTION & GRADING		
															ENGLISH COMPANY SIGN - TAKE		
															BLOCK WALLS & FOUNDATION - TAKE		
66-SH	UZAIR INC	90-91	2005R007591		03-A-020-0-00-015-0	0.830	0.240	0.044	0	0.044		0.546			*CONC. SIGN BASE ENCROACHES - TAKE		
67-SH	ZIAD DAROWICH III, LLC	88-89	2012R027473		03-A-019-A-00-003-0	1.500	0.104	0.035	0	0.035			1.361				
67-T								0.017		0.017					DRIVEWAY CONSTRUCTION & GRADING		
68-SH	LAWRENCE J BRIGGS, JR. AND ROBERTA C BRIGGS, TRUSTEES OF THE BRIGGS FAMILY REVOCABLE LIVING TRUST DATED JANUARY 18, 2004	88-89	2004R004462		03-A-019-A-00-002-0	2.000	0.119	0.040	0	0.040			1.841		DRIVEWAY CONSTRUCTION & GRADING		
68-T								0.020		0.020							
69-SH	DIFIORE FAMILY PROPERTIES, LLC	90-91	2021R018361		03-A-019-A-00-001-0	2.450	0.125	0.042	0	0.042			2.283		LOSS OF 2 PARKING SPACES		
69-T								0.021		0.021					DRIVEWAY CONSTRUCTION & GRADING		
70-SH	JAMES M SORINE	90-93	2006R001342		03-A-030-A-00-006-0	5.820	0.833	0.094	0	0.094		4.893			*PERRY SIGN ENCROACHES - TAKE		
71-SH	THE PERRY TOWNSHIP BOARD OF TRUSTEES	90-93	2014R012566		03-A-029-0-00-001-0	10.500	0.319	0.028	0	0.028			10.153				
71-T								0.121		0.121					DRIVEWAY CONSTRUCTION & GRADING		
72-SH	SOLSWAY ENTERPRISES, LLC	92-93	2008R000596		03-A-030-A-00-007-0	2.870	0.158	0.051	0	0.051	SIGN	2.661			PUP CUTS SIGN - TAKE		

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

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PSL	12/8/21	UPDATED OWNERSHIP PARCEL 69
REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
 SUMMARY OF ADDITIONAL RIGHT OF WAY  
 LAK-US-20-19.59 PART 1  
 34 / 165  
 1070  
 1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

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PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
73-SH	C & K STARRLAND LLC	92-93	2004R003960		03-A-030-A-00-008-0	7.710	0.107	0.038	0	0.038		7.565			144 LF SPLIT RAIL FENCE TO BE REMOVED 36" TREE, 2 STUMPS - TAKE		
74-SH 74-T	FT & BB LLC	94-95	2017R026446		03-A-030-A-00-009-0	2.000	0.143	0.021 0.013	0	0.021 0.013		1.836			DRIVEWAY CONSTRUCTION & GRADING		
75-SH 75-T	SPRING LAKE NURSERY LLC	92-93	2020R010195		03-A-029-0-00-002-0	8.000	0.210	0.025 0.092	0	0.025 0.092	SIGN		7.765		SPRING LAKE NURSERY SIGN & LIGHTS TO BE REMOVED DRIVEWAY CONSTRUCTION & GRADING		
76-SH	RONKE CO LLC	94-97	2000R029993		03-A-029-0-00-003-0	20.110	0.600	0.130	0	0.130			19.380		* 183 LF SPLIT RAIL FENCE ENCROACHES SPRING LAKE NURSERY SIGN - TAKE		
77-T	DJ SUTTON LLC	94-95	2007R009710		03-A-030-A-00-010-0	1.000	0.060	0.030		0.030					DRIVEWAY CONSTRUCTION & GRADING		
78-SH	KENNETH E GOLDING AND LINDA R GOLDING	94-95	2018R002354		03-A-030-0-00-017-0	69.140	0.164	0.021		0.021			68.955				
79-SH 79-T	JP MORGAN CHASE BANK, NATIONAL ASSOCIATION	96-97	2021R034693		03-A-030-0-00-014-0	0.950	0.100	0.019 0.015		0.019 0.015			0.831		18" TREE - TAKE DRIVEWAY CONSTRUCTION & GRADING		
80-SH 80-T	LAKE ERIE COMMERCIAL MANAGEMENT LLC	96-97	2021R041437		03-A-030-A-00-018-0	0.632	0.067	0.016 0.039		0.016 0.039	SIGN		0.549		* DC LANDSCAPING SIGN ENCROACHES DRIVEWAY CONSTRUCTION & GRADING		

100% STATE

FEDERAL PROJECT NO. E191584  
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**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
 LAK-US-20-19.59 PART 1

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

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TYPES OF TITLE LEGEND:

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 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

PSL	10/13/21	REVISED OWNERSHIP PARCEL 79
PSL	12/8/21	REVISED OWNERSHIP PARCEL 80
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

35 / 165

1071  
1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
81-SH 81-T	JAMES A FORSYTHE	96-97	2017R032846		03-A-030-0-00-013-0	0.700	0.070	0.012	0	0.012		0.618			↑		
								0.012	0.012					DRIVEWAY CONSTRUCTION & GRADING			
82-SH 82-T	JAMES A FORSYTHE, TRUSTEE OF THE JAMES A FORSYTHE LIVING TRUST DATED JULY 8, 2009	96-97	2009R019336		03-A-030-0-00-012-0	1.148	0.1309	0.010	0	0.010		1.007					
								0.017	0.017					DRIVEWAY CONSTRUCTION & GRADING			
83-SH 83-T	SHANE A. LEDFORD	96-97	2008R006955		03-A-029-0-00-004-0	6.970	0.097	0.023	0	0.023			6.85				
								0.030	0.030					DRIVEWAY CONSTRUCTION & GRADING			
84-T	VICTORIA L LEDFORD	96-97	2016R009748		03-A-029-0-00-015-0	1.000	0.040	0.023		0.023							
85-T	NANCY L. BOWMAN <i>ina</i> NANCY LEE LUCAS	96-97	1055	948	03-A-029-0-00-005-0	1.550	0.100	0.032		0.032							
86	D & G PROPERTIES LLC	98-99	3029R005100		03-A-029-0-00-014-0	0.620									100% STATE		NO R/W REQUIRED
87-SH	ANTHONY J COSTELLO	98-99	2013R035416		03-A-029-0-00-012-0	5.000	0.152	0.016	0	0.016		4.832					
					03-A-029-0-00-013-0	0.050	0.022	0.002	0	0.002		0.026					
					TOTAL	5.050	0.174	0.018	0	0.018		4.858					
87-T1 87-T2								0.024		0.024							DRIVEWAY CONSTRUCTION & GRADING
								0.021		0.021							DRIVEWAY CONSTRUCTION & GRADING
88-SH	WILLIAM R MORSE, ROSE MARIE MORSE AND PAMELA MORSE	98-99	2006R002233		03-A-029-0-00-011-0	7.800	0.130	0.021	0	0.021	SIGN	7.649					* LAKE BREEZE SIGN ENCROACHES - TAKE
89-SH	GABRIELE GILL	98-101	2007R037498		03-A-029-0-00-010-0	0.630	0.110	0.017	0	0.017	SIGN	0.503					* WOOD SIGN & 8 CURB STOPS ENCROACH - TAKE
					03-A-029-0-00-009-0	0.240	0.030	0.004	0	0.004		0.206					* 8 PARKING SPACES IMPACTED
					TOTAL	0.870	0.140	0.021	0	0.021		0.709					

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
 LAK-US-20-19.59 PART 1

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

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\* DENOTES RIGHT OF WAY ENCROACHMENT

36	165	
REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

1072  
1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS 1 TOTAL TAKES  
248 PARCELS 1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
(c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
90	FRANK D SQUARE AND CYNTHIA A SQUARE	98-99	1081	26	03-A-029-0-00-006-0	16.100									NO RW REQUIRED		
91-SH1	BOARD OF EDUCATION OF THE PERRY LOCAL SCHOOL DISTRICT	98-101	2017R013975		03-A-029-0-00-007-0	16.300	0.330	0.054	0	0.054							
91-SH2		100-101			03-A-029-0-00-007-0			0.122	0	0.122					15.794		
91-SH2		100-105			03-A-037-0-00-001-0	25.600	0.351	0.055	0	0.055							
91-SH3		100-105			03-A-037-0-00-001-0			0.087	0	0.087					25.107		
91-SH3		100-105			03-A-037-0-00-002-0	5.300	0.256	0.085	0	0.085					4.959		
91-SH3		100-105			03-A-037-0-00-003-0	16.714	0.401	0.055	0	0.055							
91-SH4		164-165			03-A-037-0-00-003-0			0.225	0	0.225					16.033		
					TOTAL	63.914	1.338	0.683	0	0.683				61.893			
91-T1		100-105						0.248		0.248					GRADING		
91-T2		164-165						0.072		0.072					GRADING		
92-SH	JOHN GODINA, JANET PALINKAS AND NANCY WOOD	100-101	735	641	3-A-029-0-00-008-0	7.420	0.217	0.121	0	0.121				7.082			
93-SH	E & D ENTERPRISES LLC	100-101	2016R016383		03-A-037-0-00-016-0	1.479	0.205	0.070	0	0.070				1.204	DAKE SIGN & LANDSCAPE WALL - TAKE * PARKING LOT ENCROACHES,		
					03-A-037-0-00-017-0	1.000	0	0.001		0.001				0.999			
					03-A-037-0-00-015-0	4.340	0.073	0.023		0.023				4.244			
					03-A-037-0-00-014-0	4.090	0.029	0.028		0.028				4.033			
			102-103			03-A-037-0-00-013-0	2.150	0.197	0.094	0	0.094			1.859			
						03-A-037-0-00-018-0	0.090	0	0	0	0			0.090			
					TOTAL	13.149	0.504	0.216	0	0.216			12.429				
93-T								0.012		0.012					DRIVEWAY CONSTRUCTION & GRADING SIGN REMOVAL		
93-T2								0.009		0.009							
94-SH	TONY A KUHN	104-105			2017R001092	03-A-037-0-00-011-0	2.230	0.158	0.075	0	0.075			1.997			
95-SH	DEBORAH STAMPAHAR THOMAS AND HILDA STAMPAHAR	104-105			1999R013858	03-A-037-0-00-010-0	3.150	0.245	0.060	0	0.060			2.845	11-12"; 15"; 2-18"; 21" TREES - TAKE DRIVEWAY CONSTRUCTION & GRADING		
95-T		104-107							0.064		0.064						
96-SH	COUNTY COMMISSIONERS OF LAKE COUNTY, OHIO	106-107	119	346	03-A-037-A-00-010-0	0.500	0.273	0.032	0	0.032				0.195	GRADING		
96-T								0.037		0.037							
97-SH	ROBERT R SMITH AND JEAN C SMITH	106-107			2006R009101	03-A-038-0-00-004-0	2.750	0.160	0.028	0	0.028	YES	2.562	TOTAL TAKE - HOUSE & GARAGE HOUSE & GARAGE DEMOLITION			
97-T								0.242		0.242							
98-SH	PHILLIP E WALDMAN AND KAREN M CLINE	106-107			2004R006023	03-A-037-A-00-009-0	1.970	0.304	0.065	0	0.065	SIGN		AUTO BRITE SIGN & WOOD POSTS - TAKE DRIVEWAY CONSTRUCTION & GRADING DRIVEWAY CONSTRUCTION & GRADING			
98-T1								0.046		0.046							
98-T2		164-165						0.028		0.028							

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

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T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

PSL	11/2/21	REVISED AREAS FOR 98-T1 & 98-T2
TMM	2/17/22	ADDED PARCEL 93-T2

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**  
 37/165  
 1073  
 1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS 1 TOTAL TAKES  
 248 PARCELS 1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
99-T1	RUTH ANN SPIESMAN AND	106-107	876	804	03-A-038-0-00-005-0	1.955	0.194 (c)	0.059		0.059					GARAGE REMOVAL, DRIVE CONSTR & GRADING		
99-T2	MARJORIE ROSE SPIESMAN		368	954	03-A-038-0-00-006-0	6.95	0	0.006		0.006					DRIVEWAY CONSTRUCTION & GRADING		
100	DALE ARNOLD AND MELISSA DENISE ARNOLD	108-109	2015R023264		03-A-037-A-00-008-0	0.869									NO RW REQUIRED		
101	EDWARD J BRUGMAN	108-109	815	931	03-A-037-A-00-011-0	0.900									NO RW REQUIRED		
102	CHARLES MARK PETROWSKI	110-111	734	691	03-A-037-A-00-017-0	0.509									NO RW REQUIRED		
103	JEROME A VARGO	110-111	2013R000158		03-A-037-A-00-013-0	0.396									NO RW REQUIRED		
104	LINDA M FERRATO	108-110	2013R031930		03-A-038-0-00-021-0	4.760									NO RW REQUIRED		
105	PISCATORIAL CO LLC	110-113	1999R046932		05-A-001-0-00-026-0	1.360									NO RW REQUIRED		
106	JASON SAUNDERS AND JOY SAUNDERS	110-113	2000R043334		03-A-047-0-00-001-0	0.491									NO RW REQUIRED		
107	JASON SAUNDERS AND JOY SAUNDERS	112-113	2009R024288		03-A-047-0-00-002-0	1.000									NO RW REQUIRED		

100% STATE

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

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\* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

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 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
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 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
108-T	LORRAINE BUSER AND JOHN H BUSER SR	114-115	2018R000488		05-A-001-0-00-014-0	7.640	0.120	0.065		0.065				↑	DRIVEWAY CONSTRUCTION & GRADING		
			2020R013686		05-A-001-0-00-034-0	1.330	0.050										
					05-A-001-0-00-035-0	1.040	0.156										
109-SH	A&L NURSERIES, LLC	114-117	2021R045395		03-A-047-0-00-004-0	8.000	0.359	0.017	0	0.017			7.624	↑			
					03-A-047-0-00-003-0	1.900	0.248	0.009	0	0.009			1.643				
					03-A-047-0-00-016-0	2.500	0	0	0	0			2.5				
					TOTAL	12.400	0.607	0.026	0	0.026			11.767				
109-T							0.136		0.136								
110-T	RONALD GEORGE KALEAL AND SARAH MARIE KALEAL	114-115	2018R011408		05-A-001-0-00-013-0	3.167	0.141	0.050		0.050				↑	DRIVEWAY CONSTRUCTION & GRADING		
111-T	JANICE M LEROY	116-117	2006R046596 243      675		05-A-001-0-00-012-0	3.167	0.2272	0.097		0.097							
112-T	WARREN TANNER JONES	116-117	2015R012023		05-A-001-0-00-010-0	10.825	0.3354	0.140		0.140			100% STATE		GRADING		
113-T	TWO DOGS LLC	116-117	2018R009238		03-A-047-0-00-005-0	2.049	0.150	0.027		0.027					DRIVEWAY CONSTRUCTION & GRADING		
114-T	JD RENTS LLC	118-119	2018R020136		03-A-047-0-00-009-0	3.340	0.310	0.052		0.052					DRIVEWAY CONSTRUCTION & GRADING		
115-T	LEROY V ZINN AND BETTY J ZINN, TRUSTEES OR THEIR SUCCESSORS IN TRUST UNDER THE LEROY AND BETTY ZINN LIVING TRUST DATED MARCH 26, 1997	118-119	2004R043111		05-A-001-0-00-029-0	3.360	0.1337	0.119		0.119					DRIVEWAY CONSTRUCTION & GRADING		
116-T	MICHAEL A ZINN AND MARIA D ZINN	118-119	2007R008393		05-A-001-0-00-032-0	3.603	0.0688	0.084		0.084					DRIVEWAY CONSTRUCTION & GRADING		

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

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 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

FEDERAL PROJECT NO. **E191584**  
 PID NO. **108665**  
 STATE JOB NO. **527636**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**  
 39 / 165  
 1075  
 1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

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PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
117-T	CARMELITA J EADON, TRUSTEE TRUSTEE OF THE CARMILITA J EADON REVOCABLE TRUST DATED January 23, 2004	118-121	2004R010479		03-A-047-0-00-010-0 03-A-047-0-00-011-0 TOTAL	1.990 1.460 3.450		0.025 0.015 0.040		0.025 0.015 0.040	SIGN				DRIVEWAY CONSTRUCTION & GRADING * DK & SONS SIGN ENCROACHES		
118-T	CONNELLY RECYCLING CENTER, INC II (50% Int) JOSEPH P. CONNELLY, JR. (50% Int)	120-121	2021R024064 2010R025289		05-A-001-0-00-009-0	5.749	0.1758	0.097		0.097	SIGN				DRIVEWAY CONSTRUCTION & GRADING * CONNELLY RECYCLING SIGN ENCROACHES *205 LF CHAIN LINK FENCE ENCROACHES 11 LF CHAIN LINK FENCE TO BE REMOVED		
119-T	RONKE CO LLC	120-123	2000R029993		05-A-001-0-00-007-0	9.612	0.0579	0.130		0.130	SIGN				GRADING		
120-T	ROBERT J POMPLAS AND CHERYL L POMPLAS	120-121	2004R020578		03-A-047-0-00-012-0	1.340	0.050	0.011		0.011					DRIVEWAY CONSTRUCTION & GRADING		
121-T	THE ESTATE OF CHARLES P. RAPKIN, DECEASED (50% Int) GLORIA J. RAPKIN (50% Int)	120-121	1989R937353		03-A-047-0-00-018-0	0.594	0.080	0.020		0.020					DRIVEWAY CONSTRUCTION & GRADING		
122	GENE T HAGER, TRUSTEE OF THE GENE T HAGER REVOCABLE TRUST	122-123	2018R028121		03-A-047-0-00-014-0	1.360							100% STATE		NO RW REQUIRED		
123-T	JAMES M LYONS, SUCCESSOR TRUSTEE	122-125	2012R017431		03-A-047-0-00-015-0 03-A-056-0-00-013-0	0.500 20.740	0.187 0.240	0.015		0.015	SIGN				* FOR SALE SIGN & METAL POSTS ENCROACH DRIVEWAY CONSTRUCTION & GRADING		
124-T	KIM A FERGUSON	122-123	1998R039594		05-A-001-0-00-028-0	0.580		0.022		0.022					DRIVEWAY CONSTRUCTION & GRADING		
125-T	RONKE CO LLC	122-123	2000R029993		05-A-001-0-00-007-0	1.000		0.003		0.003					GRADING		

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 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

PSL	11/12/21	REVISED OWNERSHIP PARCELS 118 & 121
PSL	5/6/21	REVISED RECORD AREA PARCEL 119, 125 & 121
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

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**TOTAL NUMBER OF :**  
 160 OWNERSHIPS 1 TOTAL TAKES  
 248 PARCELS 1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

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 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
126-T	LAKE METRO PARKS	126-129	887	581	03-A-056-0-00-004-0 03-A-056-0-00-010-0	5.800 13.150	0 0	0.217		0.217					GRADING		
127-T	VILLAGE OF NORTH PERRY, OHIO	130-131	2020R014074		05-A-002-0-00-012-0	3.646	0	0.020		0.020					DRIVEWAY CONSTRUCTION & GRADING		
128-T	NSA PROPERTY HOLDINGS LLC	128-129	2016R030095		03-A-056-0-00-005-0	5.621	0.3623	0.049		0.049					DRIVEWAY CONSTRUCTION & GRADING *SECURECARE SIGN ENCROACHES		
129-T	ERIC A NELSON AND MARY S NELSON	130-131	750	40	05-A-002-0-00-008-0	7.084	0	0.046		0.046					DRIVEWAY CONSTRUCTION & GRADING OVERLAPS EX. SAN EASEMENT BY 1604 SF		
130	OTTAR MAGNUSSON	130-131	1999R000877		03-A-056-0-00-026-0	0.588									NO RW REQUIRED		
131	RICHARD W DAME	130-131	983	885	03-A-056-0-00-023-0	1.474									NO RW REQUIRED		
132	NORTH PERRY VILLAGE	132-133	2010R025898		05-A-003-0-00-024-0	0.735									NO RW REQUIRED		
133	GREGORY DIONEFF	132-133	2018R014961		05-A-002-0-00-019-0	0.377									NO RW REQUIRED * 62 LF RR TIES ENCROACH		
134	DONNA J WILLHOITE	132-133	2005R035658		05-A-003-0-00-017-0	0.300									NO RW REQUIRED * 6 LF STONE WALL ENCROACHES		
135	TRAVIS W DEWIT	132-133	2018R016279		05-A-003-0-00-020-0	0.230									NO RW REQUIRED *32 LF STONE WALL ENCROACHES		

100% STATE

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FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
 LAK-US-20-19.59 PART 1

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

TYPES OF TITLE LEGEND:

SH = STANDARD HIGHWAY EASEMENT  
 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

41/165  
 1077  
 1253



**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
136-T	BIONDOLILLO HOLDINGS LLC	132-135	2017R022214		05-A-003-0-00-016-0	4.000	0.170	0.062		0.062					DRIVEWAY CONSTRUCTION & GRADING * 52 LF STONE WALL ENCROACHES *BIONDOLILLO CONCRETE SIGN ENCROACHES - TAKE		
137-T	THOMAS J ISABELLA	132-133	2003R068095		03-A-066-A-00-011-0	0.920	0.230	0.013		0.013					DRIVEWAY CONSTRUCTION & GRADING		
138-T	GILBERT W BLACKMORE	132-133	903	724	03-A-066-A-00-012-0	0.350	0.040	0.007		0.007					DRIVEWAY CONSTRUCTION & GRADING		
139-T	HAMCLEO INC	132-133	2004R010204		03-A-066-A-00-006-0	2.640	0.170	0.030		0.030	SIGN				DRIVEWAY CONSTRUCTION & GRADING * SIGN ENCROACHES		
140-T	HAMCLEO	134-135	2022R008162		03-A-066-A-00-005-0	1.530	0.070	0.010		0.010	SIGN				DRIVEWAY CONSTRUCTION & GRADING * SERVICE CENTER SIGN ENCROACHES		
141-T	TERESA I HOBBS	134-135	2013R013891		05-A-003-0-00-015-0	0.400	0.000	0.021		0.021					DRIVEWAY CONSTRUCTION & GRADING		
142-T	LAKE COUNTY LAND REUTILIZATION CORPORATION	134-135	2019R021153		05-A-003-0-00-014-0	1.460	0.040	0.014		0.014					GRADING		
143-T	RICHARD E DAME TRUST	134-135	2019R002099		05-A-003-0-00-013-0	1.460	0.020	0.010		0.010	SIGN				DRIVEWAY CONSTRUCTION & GRADING		
144-T	LAKE COUNTY LAND REUTILIZATION CORPORATION	134-135	2020R012063		05-A-003-0-00-012-0	0.850	0.040	0.015		0.015					DRIVEWAY CONSTRUCTION & GRADING		
145-T	LAKE COUNTY LAND REUTILIZATION CORPORATION	134-135	2020R013790		05-A-003-0-00-011-0	0.860	0.090	0.022		0.022					DRIVEWAY CONSTRUCTION & GRADING		

100% STATE

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FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

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 T = TEMPORARY EASEMENT

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\* DENOTES RIGHT OF WAY ENCROACHMENT

PSL	11/12/21	UPDATED OWNERSHIP PARCEL 140
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

42 / 165  
 1078  
 1253

**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE :**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
146-T	LAKE COUNTY LAND REUTILIZATION CORPORATION	134-135	2019R030114		05-A-003-0-00-010-0	0.630	0	0.011		0.011					GRADING		
147-T	CHARLENE R. RUF AND GREGORY S. MORRISON (2/3 INTEREST) LANCE MORRISON (1/3 INTEREST)	136-137	2017R002105 1993R045461		05-A-003-0-00-008-0 05-A-003-0-00-009-0 TOTAL	0.270 9.260 9.530	0 0 0	0.009 0.027 0.036		0.009 0.027 0.036					DRIVEWAY CONSTRUCTION & GRADING GRADING		
148	EDWARD R BALL JR.	134-135	2019R009558		03-A-066-A-00-004-0	1.500									NO R/W REQUIRED		
149	PERRY JOINT FIRE DISTICT	134-135	2003R016820		03-A-066-A-00-013-0 03-A-066-A-00-003-0 TOTAL	0.930 2.070 3.000									NO RW REQUIRED		
150-T	BIONDOLILLO HOLDINGS LLC	136-137	2021R007526		03-A-066-A-00-002-0	6.000	0.2441	0.043		0.043					DRIVEWAY CONSTRUCTION & GRADING		
151-T	RICHARD E DAME, TRUSTEE, OR HIS SUCCESSOR TRUSTEE, UNDER THE RICHARD EDWARD DAME, REVOCABLE LIVING TRUST, RUCHARD E DAME, TRUSTEE DATED OCTOBER 30, 1997 AND AMENDED AND RESTATED ON THE 11TH DAY OF APRIL 2013	136-137	2016R000444		05-A-003-0-00-007-0 05-A-003-0-00-022-0 TOTAL	1.020 4.690 5.710	0 0 0	0.019 0.007 0.026		0.019 0.007 0.026			100% STATE	DRIVEWAY CONSTRUCTION & GRADING * C & O TREE SERVICE SIGN ENCROACHES-TAKE			
152-T	CHARLOTTE D BENDER	136-137	2006R036373		05-A-003-0-00-023-0	1.060	0	0.013		0.013					DRIVEWAY CONSTRUCTION & GRADING		
153-T	DAVID M STROCK	138-139	2019R012190		05-A-003-0-00-005-0 05-A-003-0-00-006-0 TOTAL	0.578 2.000 2.578	0.070 0.006 (c) 0.076	0.023 0.002 0.025		0.023 0.002 0.025					DRIVEWAY CONSTRUCTION & GRADING GRADING		
154-T	GAYLORD D FRYER, TRUSTEE OF THE GAYLORD D FRYER TRUST DATED OCTOBER 23, 1996	136-139	1997R000499		03-A-066-A-00-001-0	5.000	0.180	0.030		0.030					DRIVEWAY CONSTRUCTION & GRADING * LANDSCAPING WITH BRICK ENCROACHES		
155-T	JENIFER N MOSBY	138-139	2016R021368 2019R024890		05-A-003-0-00-004-0	0.700	0	0.023		0.023					DRIVEWAY CONSTRUCTION & GRADING		

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

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 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

PSL	11/12/21	UPDATED OWNERSHIP PARCEL 147
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**  
 43 / 165  
 1079  
 1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
156-T	CHARLES E WHITE AND JERI L WHITE	138-139	2010R12525		05-A-003-0-00-003-0	0.640	0	0.023		0.023					DRIVEWAY CONSTRUCTION & GRADING		
157-T	KRISTINE L RIBBLETT	138-139	2000R021368		05-A-003-0-00-002-0	0.590	0	0.023		0.023					DRIVEWAY CONSTRUCTION & GRADING		
158-T	ZIAD DAROWICH III LLC	138-141	2005R022517		05-A-003-0-00-001-0	1.800	0	0.099		0.099	SIGN				DRIVEWAY CONSTRUCTION & GRADING * PERRY AUTO MALL SIGN ENCROACHES		
159-T	MDC COAST 2 LLC	138-139	2015R034406		03-A-066-0-00-010-0	1.728	0.1782	0.017		0.017					DRIVEWAY CONSTRUCTION & GRADING OVERLAPS EX SAN EASEMENT BY 748 SF		
160	LORETO PROPERTIES INC	138-141	2006R028977		03-A-066-0-00-008-0	2.936									NO RW REQUIRED		
161-SH 161-T	4683 ANTIOCH ROAD INC	140-141	2012R031490		05-A-011-0-00-027-0	0.630	0.214	0.003 0.040	0	0.003 0.040					DRIVEWAY CONSTRUCTION & GRADING		
162-T1 162-T2	56 LIBERTY STREET LTD	140-141	2011R011717		03-A-075-0-00-001-0	3.186	0.380	0.017 0.033		0.017 0.033					DRIVEWAY CONSTRUCTION & GRADING DRIVEWAY CONSTRUCTION & GRADING		
163-SH	RICHARD BEACH AND YVONNE J BEACH	142-143	1998R040818		05-A-004-0-00-030-0 05-A-004-0-00-032-0 TOTAL	1.310 0.740 2.050	0.373 0.069 0.442	0.007 0 0.007	0 0 0	0.007 0 0.007		0.93 0.671 1.601			* PORTION OF BRICK PLANTER ENCROACHES TAKE SIGN & BRICK PLANTER		
163-T								0.048		0.048					DRIVEWAY CONSTRUCTION & GRADING		
164-T	BRANDON R HOWELL MORGAN C HOWELL	142-143	2021R025132		05-A-004-0-00-010-0 05-A-004-0-00-009-0 TOTAL	0.630 0.240 0.870	0.069 0.046 0.115	0.014 0.009 0.023		0.014 0.009 0.023					DRIVEWAY CONSTRUCTION & GRADING * BRICK MAILBOXES ENCROACH		
165-T	ROY R BRENISER AND DOUGLAS S BRENISER	142-145	2000R030867		05-A-004-0-00-008-0	14.000	0	0.040		0.040					DRIVEWAY CONSTRUCTION & GRADING OVERLAPS EX. CHANNEL EASEMENT BY 78 SF		

100% STATE

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

TYPES OF TITLE LEGEND:  
 SH = STANDARD HIGHWAY EASEMENT  
 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

PSL	12/01/21	UPDATED OWNERSHIP PARCEL 164
PSL	12/16/21	REVISED AREA PARCEL 161-T
REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

44 / 165  
 1080  
 1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
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ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
166	NRH BAD DOG INC	142-143	2016R026303		03-A-075-0-00-017-0	5.621									NO RW REQUIRED		
167-T	ROY R BRENERISER, JR. AND DOUGLAS S BRENERISER	142-143	2000R030867		03-A-075-0-00-014-0	4.440	0.170	0.029		0.029					DRIVEWAY CONSTRUCTION & GRADING		
168-T	JOYCE L HAYES, fna JOYCE L QUICKEL CHRISTINE VIVIAN HINE AND CHAD CHRISTOPHER HINE	144-145	2009R014791 2019R021272 2018R024803		05-A-004-0-00-007-0 05-A-004-0-00-006-0 05-A-004-0-00-005-0	10.400 0.800 0.570	0 0 0	0.003 0.025 0.042		0.003 0.025 0.042	SIGN				DRIVEWAY CONSTRUCTION & GRADING * NIGHT SHINES PRODUCTION SIGN ENCROACHES		
			TOTAL			11.770	0	0.070		0.070							
169-SH	RAYMOND JOSEPH BRILL JR AND SUSAN G BRILL	144-145	807	888	03-A-075-0-00-002-0	1.540	0.138	0.017	0	0.017				1.385			
170-SH	PINE LAKE TENNIS HOLDING COMPANY LLC	144-145	2008R029077 2008R024728		03-A-075-0-00-048	10.611	0.075	0.009	0	0.009				10.527			
171-SH	EDWARD A WALKER TRUSTEE U/A DATED AUGUST 27, 1996	144-145	2008R016219 2008R016218		03-A-075-0-00-047-0	7.635	0.055	0.007	0	0.007				7.573			
172-SH	JEANNINE M ROUGHT 1/3 INT MARJORIE A LUTZ 1/3 INT TINA M HAAS 1/3 INT	144-145	2020R003463 2021R025903		03-A-075-0-00-018-0	1.215	0.028	0.003	0	0.003				1.184			
173-SH	TINA HAAS	144-145	1116	871	03-A-075-0-00-019-0	0.899	0.028	0.003	0	0.003				0.868			
174-SH	JEANNINE M ROUGHT 1/3 INT MARJORIE M ROUGHT 1/3 INT TINA M HAAS 1/3 INT	144-145	2020R003463 2021R025903		03-A-075-0-00-020-0	0.922	0.028	0.003	0	0.003				0.891			

100% STATE

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

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SH = STANDARD HIGHWAY EASEMENT  
 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

TMM	1/17/22	UPDATED OWNER INFO PCLS 172, 173 & 174
REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

45 / 165  
 1081  
 1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 248 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
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 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
175-SH	TINA M HAAS	144-147	1998R003815		03-A-075-0-00-003-0	0.658	0.180	0.022	0	0.022			0.456				
			2021R022274														
176-T	ARRT2 PROPERTIES LLC	146-147	2019R028044		05-A-004-0-00-004-0	13.269	0.110	0.077		0.077					DRIVEWAY CONSTRUCTION & GRADING		
					05-A-004-0-00-034-0	0.983	0.084	0.053		0.053							
					TOTAL	14.252	0.194	0.130		0.130							
177-T	JOSEPH J FELLOWS	146-147	2019R013512		05-A-004-0-00-038-0	1.450	0.070	0.080		0.080					DRIVEWAY CONSTRUCTION & GRADING		
178-T	CINDY L FARREN	146-147	2015R033888		05-A-004-0-00-041-0	2.603	0	0.075		0.075					DRIVEWAY CONSTRUCTION & GRADING		
179-SH	RICHARD COLADANGELO JR	146-147	2004R054104		03-A-075-0-00-004-0	4.500	0.105	0.013	0	0.013	SIGN		4.382		* NORTH RIDGE NURSERY SIGN ENCROACHES		
180-SH	MICHAEL J MCGROARTY AND PAMELA S MCGROARTY	146-147	2016R008269		03-A-075-0-00-012-0	4.611	0.102	0.013	0	0.013	SIGN		4.496	100% STATE	* BEAUTIFUL PLANTS SIGN ENCROACHES		
181-SH	GERTRUDE H LOSELY TRUSTEE OF THE GERTRUDE H LOSELY RESTATEMENT OF TRUST AGREEMENT DTD 2/13/17	146-151	2018R026070		03-A-075-0-00-011-0	56.004	0.948	0.119	0	0.119			54.937				
182-T	KAREN PRICE TRUSTEE OF THE BREWSTER FAMILY TRUST	148-149	2010R019934		05-A-004-0-00-002-0	3.975	0	0.065	0	0.065					GRADING		
183-T	JOSEPH R VOJACEK AND LISA R VOJACEK	148-149	318	1266	05-A-004-0-00-036-0	1.220	0	0.011		0.011					DRIVEWAY CONSTRUCTION & GRADING		

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 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

PSL	9/30/21	ADDED PARCEL 182-T
TMM	1/17/22	UPDATED OWNERS RECORD PARCEL 175
REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
 LAK-US-20-19.59 PART 1  
 46/165  
 1082  
 1253

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**TOTAL NUMBER OF :**

160 OWNERSHIPS      1 TOTAL TAKES  
 249 PARCELS        1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
184-T	FREDERICK A SLAGLE TRUSTEE OF THE FREDERICK A SLAGLE TRUST DATED NOVEMBER 29, 1999	148-151	2006R048363		05-A-004-0-00-001-0	25.000	0	0.075		0.075					DRIVEWAY CONSTRUCTION & GRADING		
185-SH	ROBERT S HOLLAR II AND JENNIFER A HOLLAR	150-151	2018R007518		03-A-084-0-00-004-0	2.860	0.190	0.024	0	0.024			2.646				
186-T1	DOUGLAS A SECOR AND KATHY S SECOR	150-151	2012R032250		05-A-005-0-00-015-0	27.100	0.371	0.041		0.041					DRIVEWAY CONSTRUCTION & GRADING		
186-T2		154-155	2012R002282		05-A-005-0-00-014-0	18.320	0.260	0.010		0.010					DRIVEWAY CONSTRUCTION & GRADING		
					TOTAL	45.42	0.631	0.051		0.051							
187-SH	LAWRENCE J SECOR	152-155	1998R003335		03-A-084-0-00-024-0	3.183	0.206	0.025	0	0.025	SIGN		2.952		* SECOR NURSERY SIGN ENCROACHES - TAKE		
			1998R003336		03-A-084-0-00-005-0	99.461	0.106	0.013	0	0.013			99.342				
					TOTAL	102.644	0.312	0.038	0	0.038			102.294				
187A-SH	LAWRENCE J SECOR	152-155	2012R002283		03-A-084-0-00-031-0	1.501	0.238	0.030	0	0.030			1.233				
188-SH	VICKI L TENNEY	154-155	2016R005662 2020R009420		03-A-084-0-00-007-0	0.930	0.142	0.007	0	0.007			0.781				
189-T	ERIC M HODGE & JULIA R ZAY	154-155	2020R029219		05-A-005-0-00-011-0	14.260	0.339	0.040		0.040					DRIVEWAY CONSTRUCTION & GRADING		
190-SH 190-T	EMCH PROPERTIES INC	154-155	2003R023810		03-A-084-0-00-018-0	1.540	0.194	0.015 0.025	0	0.015 0.025			1.331		DRIVEWAY CONSTRUCTION & GRADING		
191-T	LANCE D MORRISON	154-155	2005R046593		05-A-005-0-00-017-0	2.200	0.156	0.017		0.017					DRIVEWAY CONSTRUCTION & GRADING		
192-SH	ALEXANDER P REICHENBACH	154-155	2021R002047		03-A-084-0-00-023-0	1.030	0.115	0.014	0	0.014			0.901				

100% STATE

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

TYPES OF TITLE LEGEND:

SH = STANDARD HIGHWAY EASEMENT  
 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

8/18/21	PSL	ADDED PARCEL 187A
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

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**TOTAL NUMBER OF :**

160 OWNERSHIPS 1 TOTAL TAKES  
 248 PARCELS 1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
193	VILLAGE OF NORTH PERRY	156-157	2013R024920		05-A-005-0-00-010-0	5.800									NO RW REQUIRED		
194-SH	SHREE HARI MADISON, LLC	156-157	2021R020699		03-A-084-0-00-008-0	8.140	0.164	0.021	0	0.021	SIGN		7.955		* REDIGO SIGN ENCROACHES - TAKE * PARKING LOT ENCROACHES		
195-SH	JOAN W LARICCA TRUSTEE OF THE JOAN W LARICCA LIVING TRUST U/A DATED FEBRUARY 6, 2008 UND. 1/5 INT. DANIEL LARICCA UND. 1/10 INT. MOLLY LARICCA, NKA MOLLY BIRT UND. 1/10 INT., KRISTIAN LARICCA UND. 1/10 INT. TONY J. LARICCA UND. 1/10 INT. CAROL O'SHAUGHNESSEY, AKA CAROL O'SHAUGHNESSY UND. 1/10 INT. JAMES O'SHAUGHNESSEY, AKA JAMES O'SHAUGHNESSY UND. 1/10 INT. NORA O'SHAUGHNESSEY, AKA NORA O'SHAUGHNESSY UND. 1/10 INT. KATHRYN O'SHAUGHNESSEY AKA KATHRYN O'SHAUGHNESSY UND. 1/10 INT.	156-157	2006R013897 O.R. VOL. 710 PG. 20 2021R021940 2021R021939		03-A-084-0-00-009-0	3.500	0.14	0.017	0	0.017			3.343				
196-SH	KATHRYN ANZELC AND ANTHONY ANZELC	156-157	872	121	03-A-084-0-00-011-0	1.150	0.079	0.01	0	0.01			1.061				
197-SH	KELLY L TURNER	156-157	2011R014303		03-A-084-0-00-012-0	1.200	0.079	0.010	0	0.010	SIGN		1.111		UPTOWN SALON SIGN & LIGHTS TO BE REMOVED VINYL DECORATIVE FENCE TO BE REMOVED STONE LANDSCAPING TO BE REMOVED		
197-T								0.005		0.005					SIGN REMOVAL		
198-T	REBRAB LLC	156-1575	2005R017160		05-A-005-0-00-021-0	1.006	0.095	0.04		0.04					DRIVEWAY CONSTRUCTION & GRADING		
199-T	THOMAS S COTTER	158-159	247	264	05-A-005-0-00-009-0	8.094	0.096	0.030		0.030					DRIVEWAY CONSTRUCTION & GRADING		
200-SH	COLBY J SIGL	158-159	2013R024920		05-A-005-0-00-008-0	0.630	0.110	0.016	0	0.016			0.504				
201-SH	ED KLCO	158-159	2010R011075 2015R008166		05-A-005-0-00-019-0 05-A-005-0-00-007-0	1.900 2.450	0.030 0.050	0.006 0.009		0.006 0.009			1.864 2.391				

100% STATE

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FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

TYPES OF TITLE LEGEND:

SH = STANDARD HIGHWAY EASEMENT  
 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS  
 SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

PSL	8/27/21	REVISED OWNERSHIP PARCEL 194-SH
TMM	01/13/22	REVISED OWNERSHIP PARCEL 195-SH
TMM	2/17/22	ADDED PARCEL 197-T

REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

48 / 165

1084  
1253

**TOTAL NUMBER OF :**

160 OWNERSHIPS 1 TOTAL TAKES  
 248 PARCELS 1 OWNERSHIPS W/ STRUCTURES INVOLVED

NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

**GRANTEE:**

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF  
 THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION  
 UNLESS OTHERWISE SHOWN.

ALL AREAS IN ACRES  
 (c) = CALCULATED AREA

PARCEL NO.	OWNER	SHEET NO.	OWNERS RECORD		AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE		TYPE FUND	REMARKS	AS ACQUIRED	
			BOOK	PAGE								LEFT	RIGHT			BOOK	PAGE
202	CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS	158-161	2008R027360		05-A-005-0-00-006-0	4.970									NO R/W REQUIRED		
203-SH	JOAN W LARICCA TRUSTEE OF THE JOAN W LARICCA LIVING TRUST U/A DATED FEBRUARY 6, 2008 UND. 1/5 INT. DANIEL LARICCA UND. 1/10 INT. MOLLY LARICCA, NKA MOLLY BIRT UND. 1/10 INT., KRISTIAN LARICCA UND. 1/10 INT. TONY J. LARICCA UND. 1/10 INT. CAROL O'SHAUGHNESSEY, AKA CAROL O'SHAUGHNESSY UND. 1/10 INT. JAMES O'SHAUGHNESSEY, AKA JAMES O'SHAUGHNESSY UND. 1/10 INT. NORA O'SHAUGHNESSEY, AKA NORA O'SHAUGHNESSY UND. 1/10 INT. KATHRYN O'SHAUGHNESSEY AKA KATHRYN O'SHAUGHNESSY UND. 1/10 INT.	156-157	2006R013897 O.R. VOL. 710 PG. 20 2021R021940 2021R021939		03-A-084-0-00-009-0	3.500	0.14	0.017	0	0.017			3.343				
204	ANTHONY LARICCA	158-159	1999R029206		03-A-084-0-00-014-0	1.176									NO R/W REQUIRED		
205	EXTENDED HOUSING INC	158-159	2003R052578		03-A-084-0-00-022-0	1.814									NO R/W REQUIRED		
206	RICHARD E DAME AND JOYCE A DAME AND RICHARD W DAME	158-161	2003R011331		03-A-084-0-00-015-0	2.120									NO R/W REQUIRED		
207-SH 207-T	HOMESTEAD REALTY LLC	88-89	2021R008263		03-A-019-A-00-013-0	0.985	0	0.031 0.015	0	0.031 0.015			0.954		DRIVEWAY CONSTRUCTION & GRADING		

100% STATE

FEDERAL PROJECT NO. E191584  
 PID NO. 108665  
 STATE JOB NO. 527636  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**SUMMARY OF ADDITIONAL RIGHT OF WAY**  
**LAK-US-20-19.59 PART 1**

NOTE: ALL TEMPORARY PARCELS TO BE OF 36 MONTH DURATION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

TYPES OF TITLE LEGEND:  
 WD = WARRANTY DEED  
 SH = STANDARD HIGHWAY EASEMENT  
 T = TEMPORARY EASEMENT

+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

\* DENOTES RIGHT OF WAY ENCROACHMENT

TMM	1/20/22	REVISED OWNERSHIP PARCEL 203-SH
REV. BY	DATE	DESCRIPTION
FIELD REVIEW BY	DATE:	
OWNERSHIP VERIFIED BY	DATE:	
DATE COMPLETED		

49 / 165

1085  
1253

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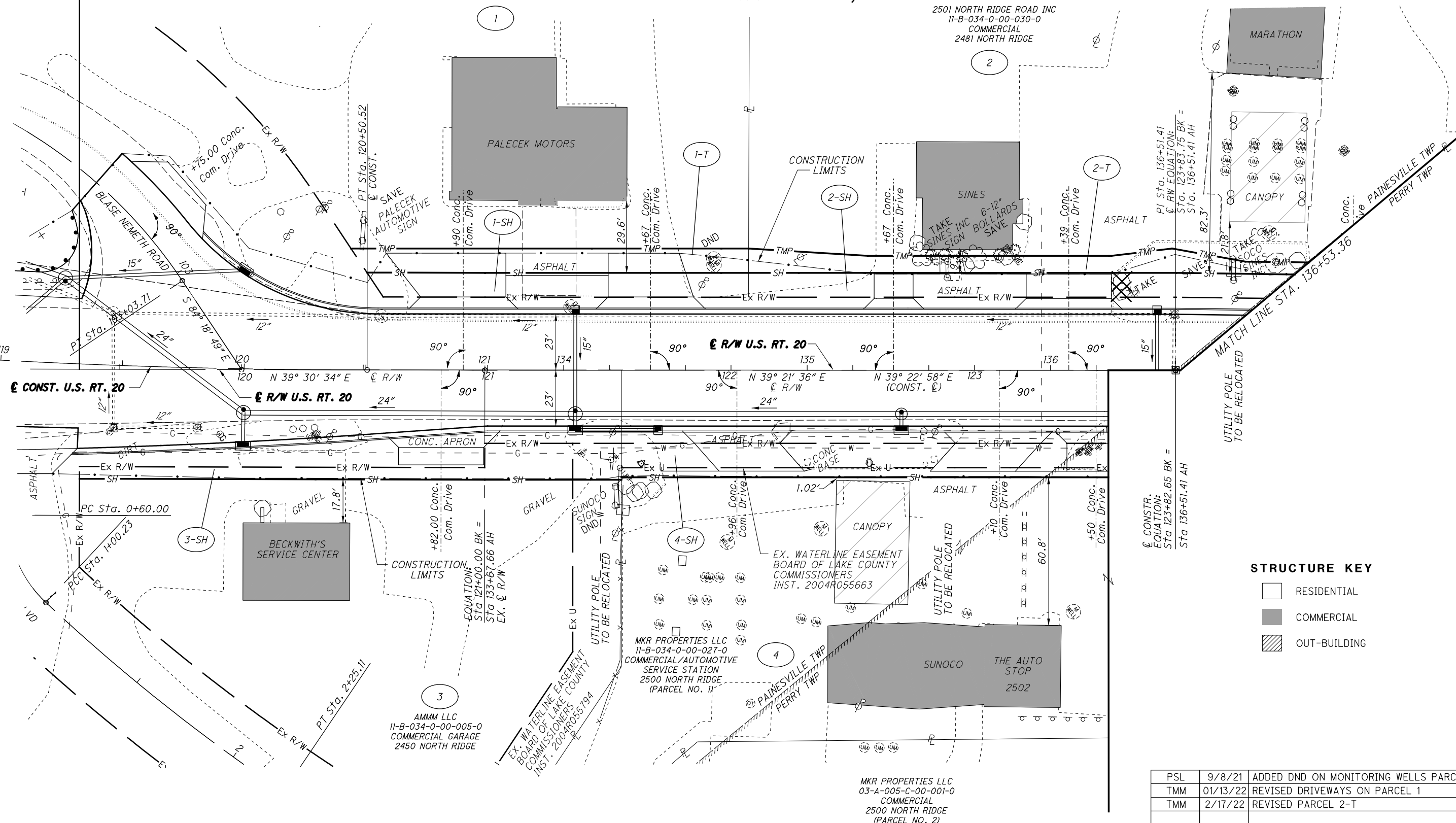
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CONST. CURVE DATA  
 P.I. Sta. 117+49.18  
 $\Delta = 12^\circ 05' 54''$  (LT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 303.59'$   
 $L = 604.92'$   
 $E = 16.04'$   
 $C = 603.80'$   
 $C.B. = N 45^\circ 25' 56'' E$

ROBERT H WIGTON IN TRUST,  
 FOR CHARLES N CADWELL,  
 JAMES B CADWELL AND  
 NANCY N PRUCE, C/O  
 LOU BOB PROPERTIES MENTOR  
 11-B-034-0-00-028-0  
 COMMERCIAL GARAGES  
 2495 NORTH RIDGE

LAK-20-19.59  
 PART OF LOT 30  
 PAINESVILLE TOWNSHIP  
 PART OF LOT 60  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO

2501 NORTH RIDGE ROAD INC  
 11-B-034-0-00-030-0  
 COMMERCIAL  
 2481 NORTH RIDGE



STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

PSL	9/8/21	ADDED DND ON MONITORING WELLS PARCEL 1
TMM	01/13/22	REVISED DRIVEWAYS ON PARCEL 1
TMM	2/17/22	REVISED PARCEL 2-T

REV. BY	DATE	DESCRIPTION

HORIZONTAL SCALE IN FEET

PID NO. **108665**

R/W DESIGNER PSL  
 R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 119+33.47 TO STA. 135+53.36**

**LAK-US-20-19.59**  
**PART 1**

50 / 165

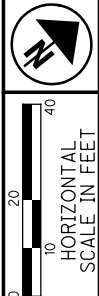
1086  
1253

LAK-20-19.59  
PART OF LOT 30  
PAINESVILLE TOWNSHIP  
PART OF LOT 60  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

CONST. CURVE DATA  
P.I. Sta. 117+49.18  
 $\Delta = 12^\circ 05' 54''$  (LT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 303.59'$   
 $L = 604.92'$   
 $E = 16.04'$   
 $C = 603.80'$   
C.B. = N 45° 25' 56" E

ROBERT H WIGTON IN TRUST,  
FOR CHARLES N CADWELL,  
JAMES B CADWELL AND  
NANCY N PRUCE, C/O  
LOU BOB PROPERTIES MENTOR  
11-B-034-0-00-028-0  
COMMERCIAL GARAGES  
2495 NORTH RIDGE

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE C OF R/W

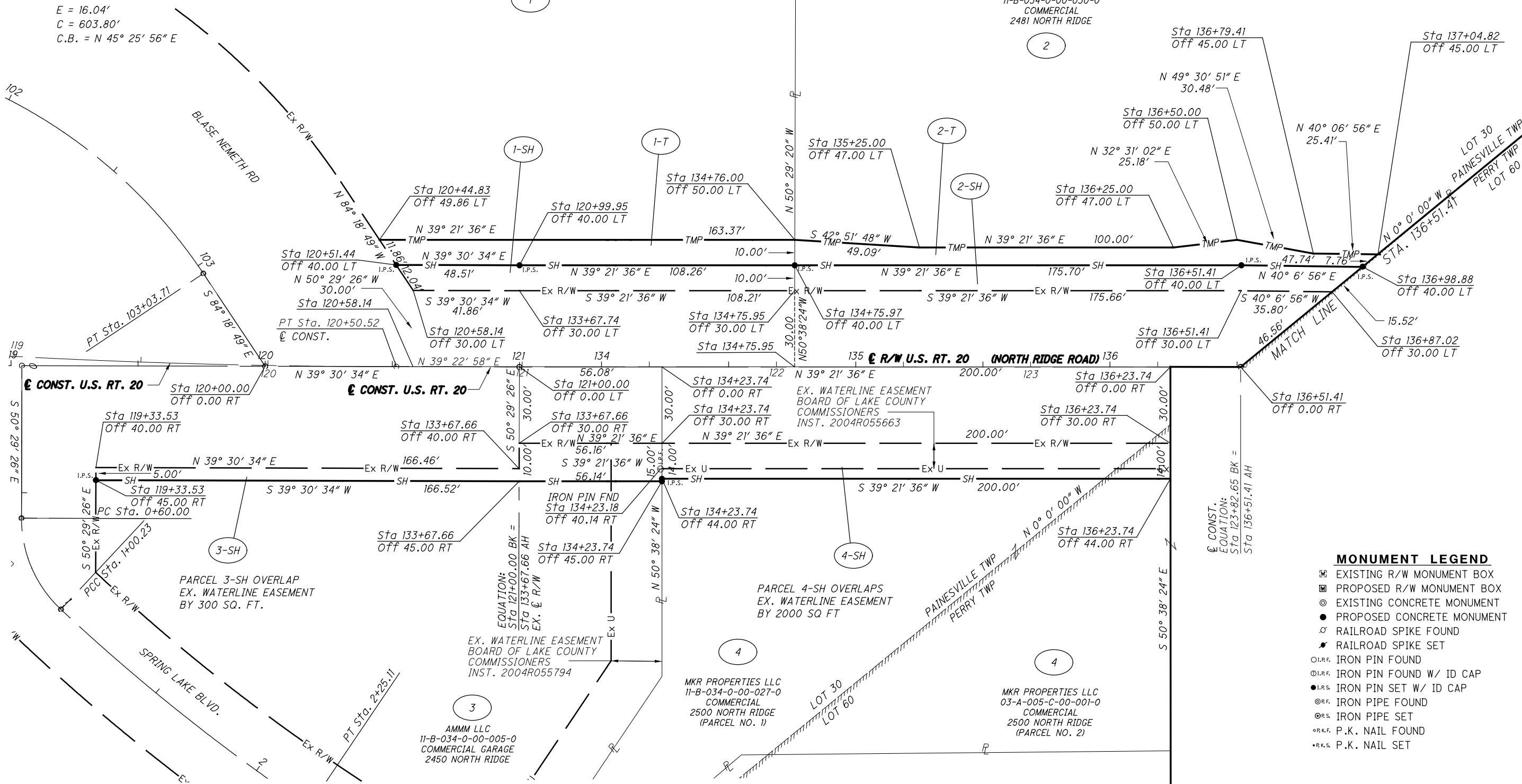


PID NO. 108665  
R/W DESIGNER PSL  
R/W REVIEWER TMM

RIGHT OF WAY BOUNDARY SHEET  
STA. 119+33.47 TO STA. 135+51.41

LAK-US-20-19.59  
PART 1

51/165  
1087  
1253

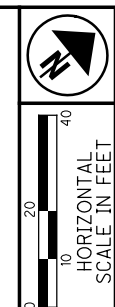


- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - EXISTING CONCRETE MONUMENT
  - ⊙ PROPOSED CONCRETE MONUMENT
  - ⚡ RAILROAD SPIKE FOUND
  - ⚡ RAILROAD SPIKE SET
  - I.P.S. IRON PIN FOUND
  - I.P.S. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.S. IRON PIPE FOUND
  - ⊙ I.P.S. IRON PIPE SET
  - ⊙ P.K. NAIL FOUND
  - ⊙ P.K. NAIL SET

REV. BY	DATE	DESCRIPTION
TMM	2/17/22	REVISED PARCEL 2-T

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LAK-20-19.59  
PART OF LOT 60  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

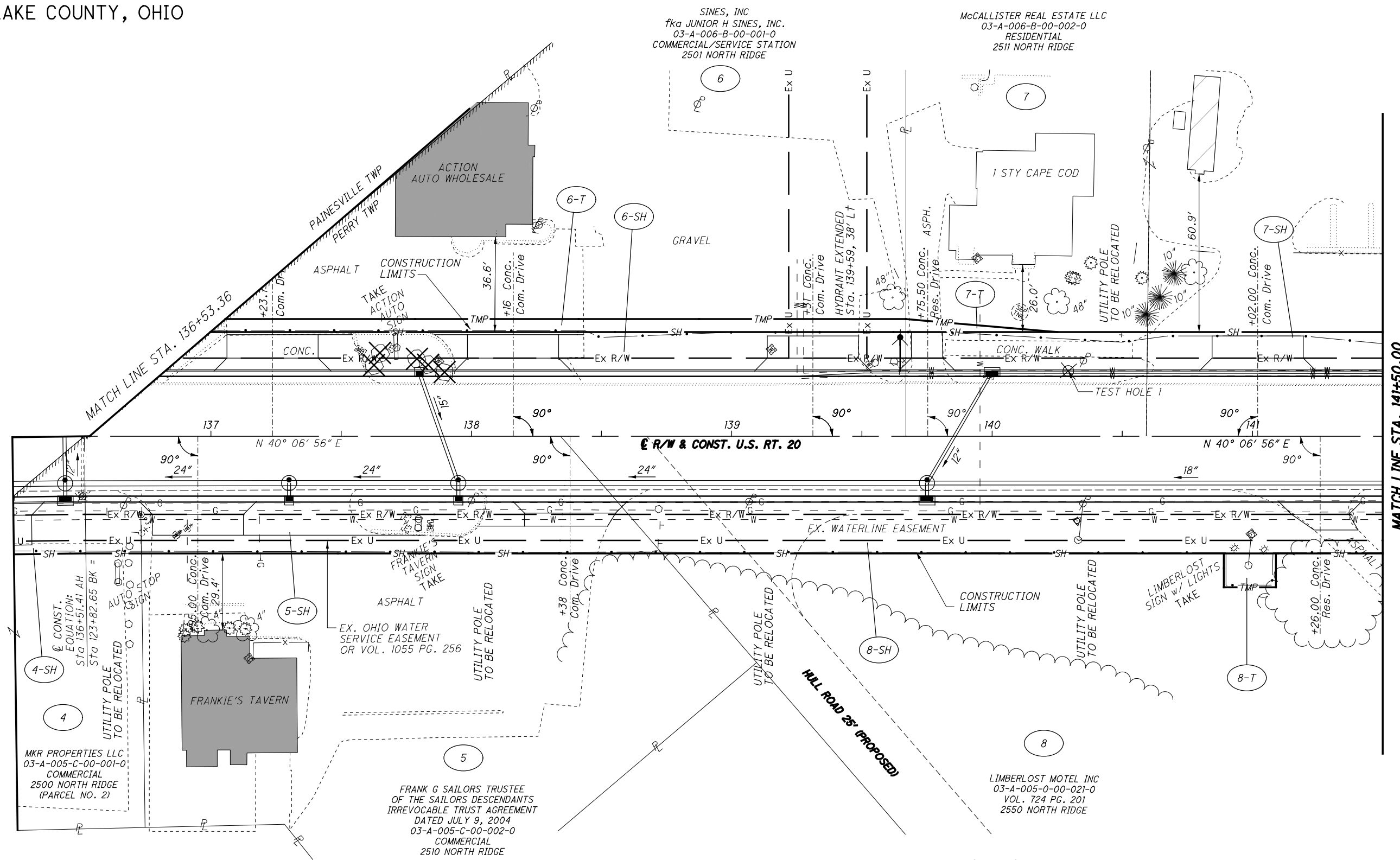


PID NO. **108665**  
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 135+53.36 to STA. 141+50.00**

**LAK-US-20-19.59**  
**PART 1**

52 / 165  
1088  
1253



**STRUCTURE KEY**

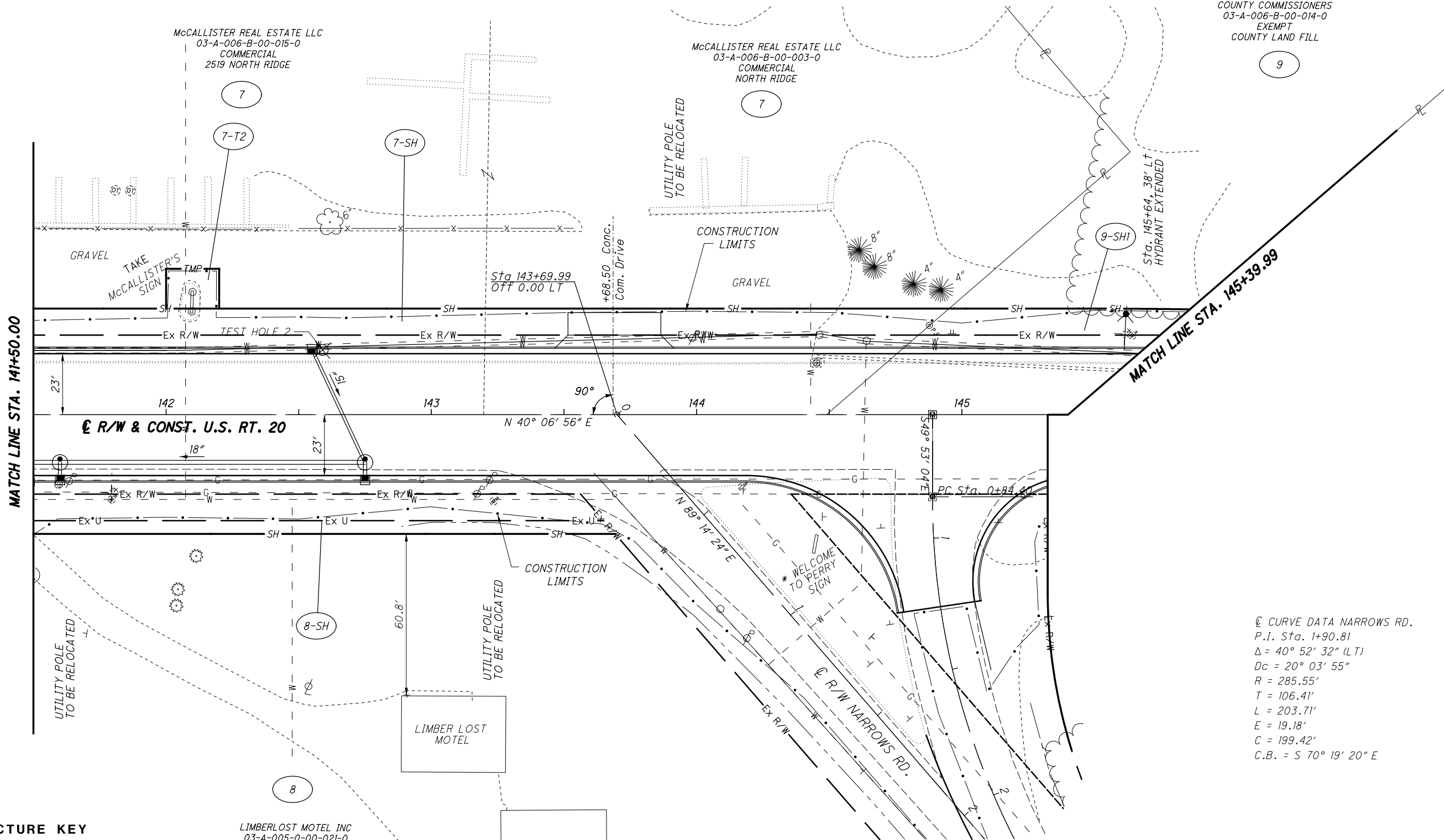
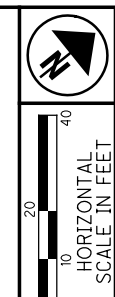
	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION
TMM	2/17/22	ADDED PARCEL 8-T

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LAK-20-19.59  
PART OF LOT 60  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



THE BOARD OF LAKE  
COUNTY COMMISSIONERS  
03-A-006-B-00-014-0  
EXEMPT  
COUNTY LAND FILL

9

MATCH LINE STA. 141+50.00

MATCH LINE STA. 145+39.99

⊙ CURVE DATA NARROWS RD.  
P.I. Sta. 1+90.81  
 $\Delta = 40^\circ 52' 32''$  (LT)  
Dc =  $20^\circ 03' 55''$   
R = 285.55'  
T = 106.41'  
L = 203.71'  
E = 19.18'  
C = 199.42'  
C.B. = S  $70^\circ 19' 20''$  E

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

LIMBERLOST MOTEL INC  
03-A-005-0-00-021-0  
COMMERCIAL/APARTMENTS  
2550 NORTH RIDGE

McCALLISTER REAL ESTATE LLC  
03-A-006-B-00-015-0  
COMMERCIAL  
2519 NORTH RIDGE

McCALLISTER REAL ESTATE LLC  
03-A-006-B-00-003-0  
COMMERCIAL  
NORTH RIDGE

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PID NO. **108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 141.50.00 TO STA. 145+39.99**

**LAK-US-20-19.59**  
**PART 1**

54 / 165

1090  
1253

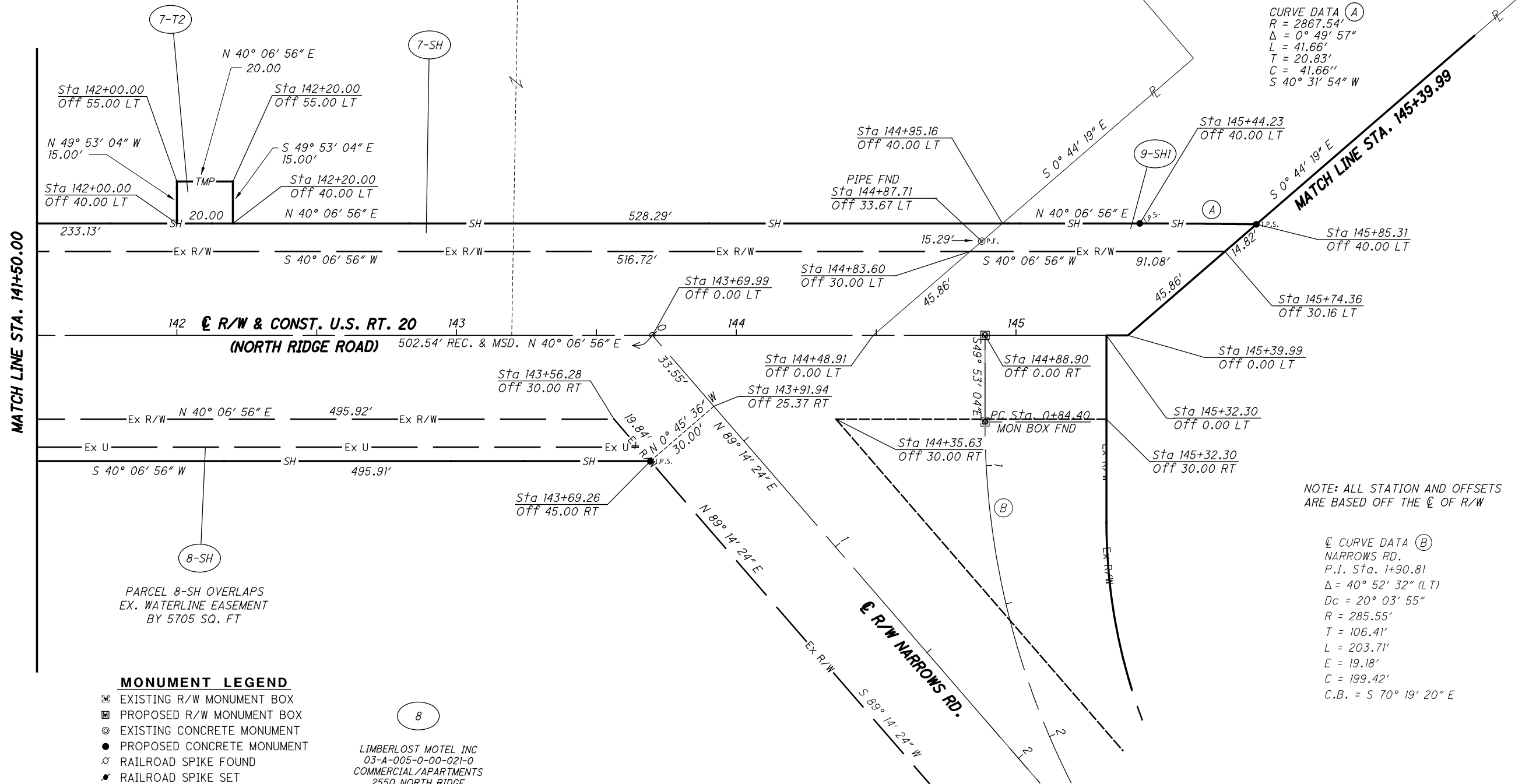
REV. BY	DATE	DESCRIPTION
TMM	2/17/22	ADDED PARCEL 7-T2

LAK-20-19.59  
PART OF LOT 60  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

McCALLISTER REAL ESTATE LLC  
03-A-006-B-00-015-0  
COMMERCIAL  
2519 NORTH RIDGE

McCALLISTER REAL ESTATE LLC  
03-A-006-B-00-003-0  
COMMERCIAL  
NORTH RIDGE

THE BOARD OF LAKE  
COUNTY COMMISSIONERS  
03-A-006-B-00-014-0  
EXEMPT  
COUNTY LAND FILL



CURVE DATA (A)  
R = 2867.54'  
 $\Delta$  = 0° 49' 57"  
L = 41.66'  
T = 20.83'  
C = 41.66"  
S 40° 31' 54" W

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE  $\bar{C}$  OF R/W

$\bar{C}$  CURVE DATA (B)  
NARROWS RD.  
P.I. Sta. 1+90.81  
 $\Delta$  = 40° 52' 32" (LT)  
Dc = 20° 03' 55"  
R = 285.55'  
T = 106.41'  
L = 203.71'  
E = 19.18'  
C = 199.42'  
C.B. = S 70° 19' 20" E

**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- P.P. IRON PIPE FOUND
- P.P. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

LIMBERLOST MOTEL INC  
03-A-005-0-00-021-0  
COMMERCIAL/APARTMENTS  
2550 NORTH RIDGE



PID NO. **108665**

R/W DESIGNER: PSL  
R/W REVIEWER: TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 141.50.00 to STA. 145 + 39.99**

**LAK-US-20-19.59**  
**PART 1**

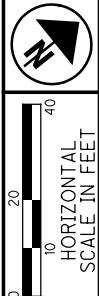
55 / 165

1091  
1253

TMM	2/17/22	ADDED PARCEL 7-T2
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>

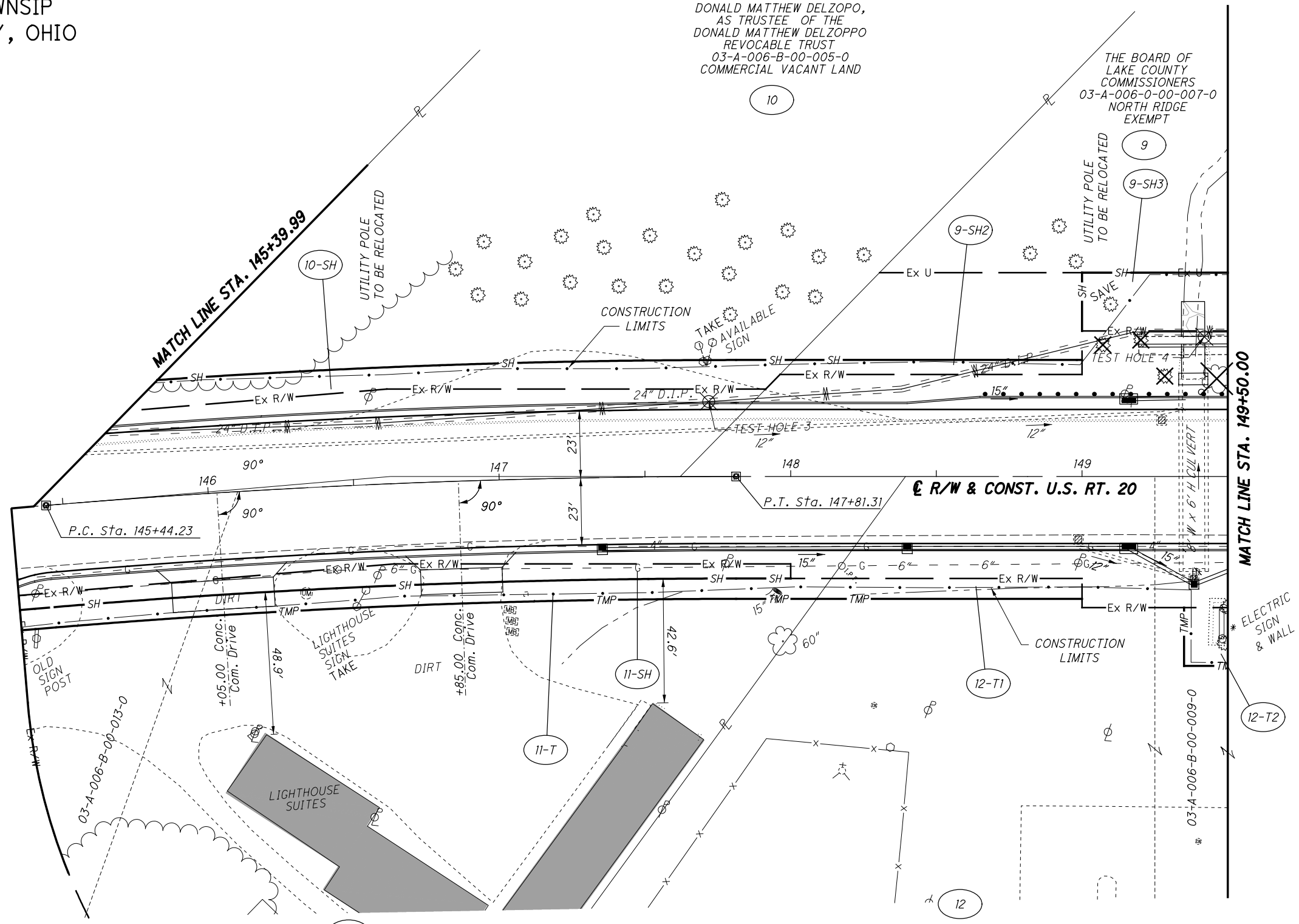
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LAK-20-19.59  
 PART OF LOT 60  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



DONALD MATTHEW DELZOPO,  
 AS TRUSTEE OF THE  
 DONALD MATTHEW DELZOPPO  
 REVOCABLE TRUST  
 03-A-006-B-00-005-0  
 COMMERCIAL VACANT LAND

THE BOARD OF  
 LAKE COUNTY  
 COMMISSIONERS  
 03-A-006-0-00-007-0  
 NORTH RIDGE  
 EXEMPT



MICHAEL ZISIS & CONSTANTINE ZISIS  
 03-A-006-B-00-012-0  
 COMMERCIAL  
 APARTMENT/RENTAL UNITS  
 2532 NORTH RIDGE

P.I. Sta. 146+62.84  
 $\Delta = 4^\circ 48' 15''$  (RT)  
 $D_c = 2^\circ 01' 35''$   
 $R = 2,827.54'$   
 $T = 118.61'$   
 $L = 237.08'$   
 $E = 2.49'$   
 $C = 237.01'$   
 $C.B. = N 42^\circ 31' 03'' E$

THE BOARD OF LAKE COUNTY  
 COMMISSIONERS  
 03-A-006-B-00-011-0  
 NORTH RIDGE  
 EXEMPT

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

TMM	2/17/22	REVISED PARCEL 12-T2
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>

PID NO.  
**108665**

**RIGHT OF WAY TOPO SHEET**  
**STA. 141.50.00 TO STA. 145+39.99**

**LAK-US-20-19.59**  
**PART 1**

56 / 165

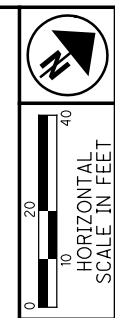
1092  
 1253

H:\2018\180743\ProjecData\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT004.dgn Sheet 7/15/2022 3:28:45 PM Troyer

LAK-20-19.59  
PART OF LOT 60  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

CURVE DATA (A)  
R = 2867.54'  
Δ = 3° 58' 18"  
L = 197.77'  
T = 99.43'  
C = 198.73'  
N 42° 56' 02" E

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE C OF R/W



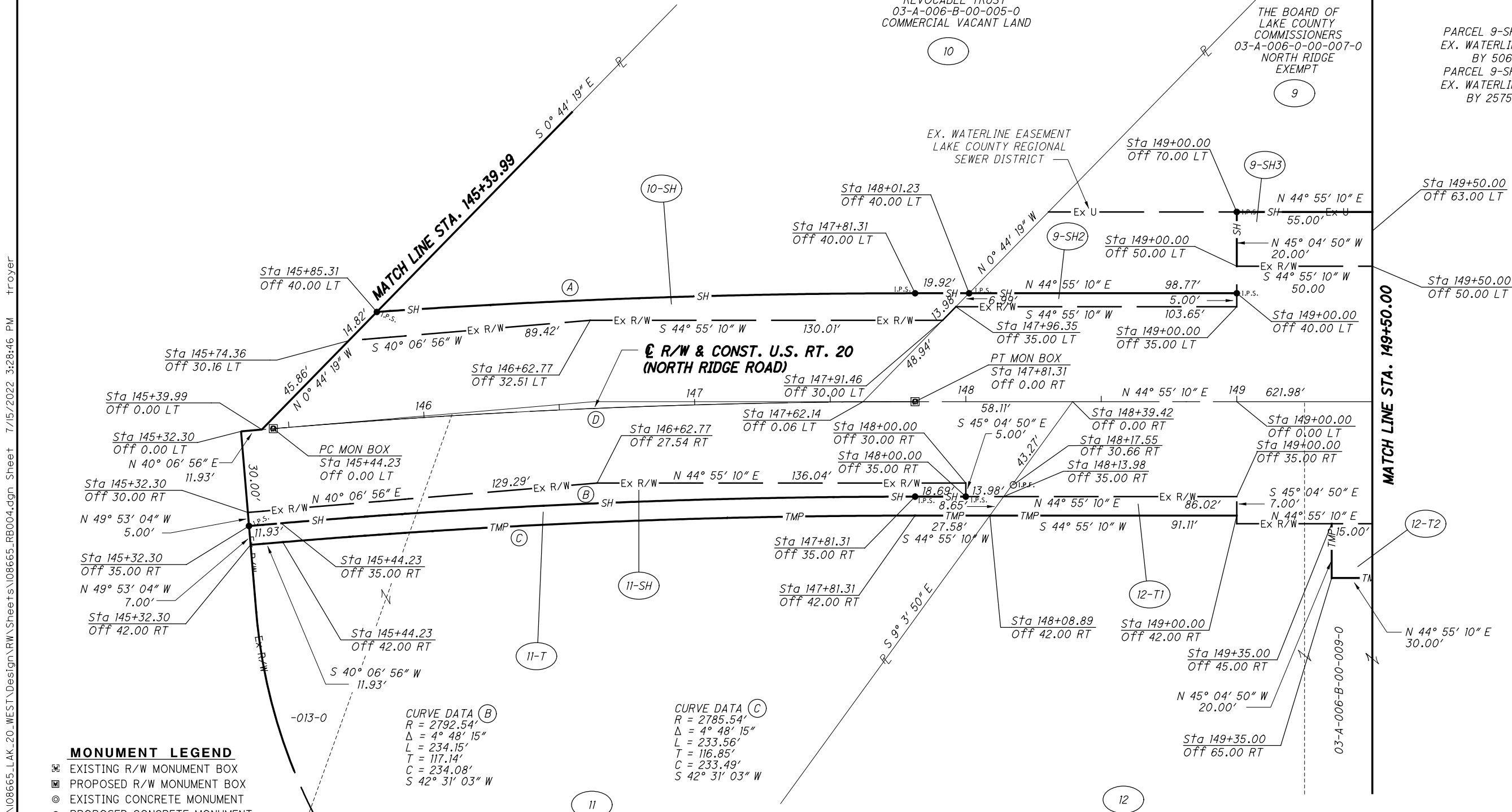
PID NO. 108665  
R/W DESIGNER PSJ  
R/W REVIEWER TMM

RIGHT OF WAY BOUNDARY SHEET  
STA. 145+39.99 TO STA. 149+50.00

LAK-US-20-19.59  
PART 1

57/165  
1093  
1253

PARCEL 9-SH2 OVERLAPS  
EX. WATERLINE EASEMENT  
BY 506 SQ.FT.  
PARCEL 9-SH3 OVERLAPS  
EX. WATERLINE EASEMENT  
BY 2575 SQ. FT.



H:\2018\180743\0010\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RB004.dgn Sheet 7/15/2022 3:28:46 PM Troyer

**MONUMENT LEGEND**

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ✕ RAILROAD SPIKE FOUND
- ✕ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- I.P.F. IRON PIPE FOUND
- I.P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

CURVE DATA (B)  
R = 2792.54'  
Δ = 4° 48' 15"  
L = 234.15'  
T = 117.14'  
C = 234.08'  
S 42° 31' 03" W

CURVE DATA (C)  
R = 2785.54'  
Δ = 4° 48' 15"  
L = 233.56'  
T = 116.85'  
C = 233.49'  
S 42° 31' 03" W

CURVE DATA (D)  
U.S. 20  
P.I. Sta. 146+62.84  
Δ = 4° 48' 15" (RT)  
Dc = 2° 01' 35"  
R = 2,827.54'  
T = 118.61'  
L = 237.08'  
E = 2.49'  
C = 237.01'  
C.B. = N 42° 31' 03" E

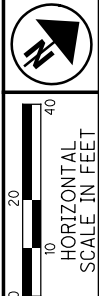
MICHAEL ZISIS & CONSTANTINE ZISIS  
03-A-006-B-00-012-0  
COMMERCIAL  
APARTMENT/RENTAL UNITS  
2532 NORTH RIDGE

THE BOARD OF LAKE COUNTY  
COMMISSIONERS  
03-A-006-B-00-011-0  
NORTH RIDGE  
EXEMPT

REV. BY	DATE	DESCRIPTION
TMM	2/17/22	REVISED PARCEL 12-T2



LAK-20-19.59  
PART OF LOT 60  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO.  
**108665**

R/W DESIGNER  
PSL

R/W REVIEWER  
TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 149+50.00 TO STA. 154+77.42**

**LAK-US-20-19.59**  
**PART 1**

58 / 165

1094  
1253

THE BOARD OF LAKE COUNTY  
COMMISSIONERS  
03-A-006-0-00-007-0  
EXEMPT  
VACANT LAND

1968 ENTERPRISES INC.  
03-A-006-B-00-007-0  
INDUSTRIAL  
VACANT LAND

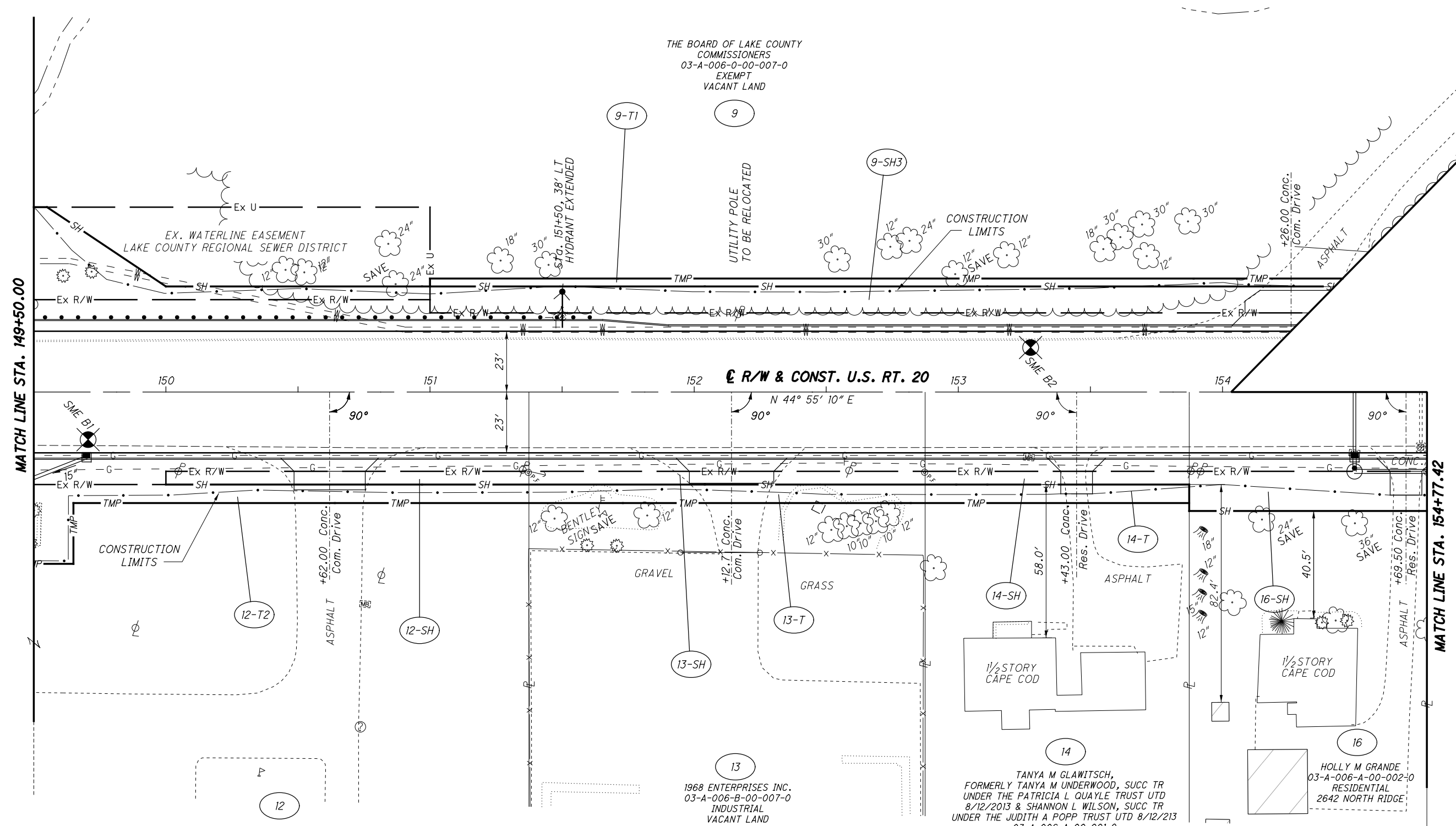
TANYA M GLAWITSCH,  
FORMERLY TANYA M UNDERWOOD, SUCC TR  
UNDER THE PATRICIA L QUAYLE TRUST UTD  
8/12/2013 & SHANNON L WILSON, SUCC TR  
UNDER THE JUDITH A POPP TRUST UTD 8/12/213  
03-A-006-A-00-001-0  
RESIDENTIAL  
2632 NORTH RIDGE

HOLLY M GRANDE  
03-A-006-A-00-002-0  
RESIDENTIAL  
2642 NORTH RIDGE

THE BOARD OF LAKE COUNTY  
COMMISSIONERS  
03-A-006-B-00-008-0  
EXEMPT/DOG SHELTER  
2600 NORTH RIDGE

**STRUCTURE KEY**

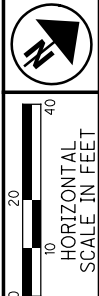
	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING



TMM	2/17/22	REVISED PARCEL 12-T2
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>

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LAK-20-19.59  
PART OF LOT 60  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 149+50.00 TO STA. 154+77.42**

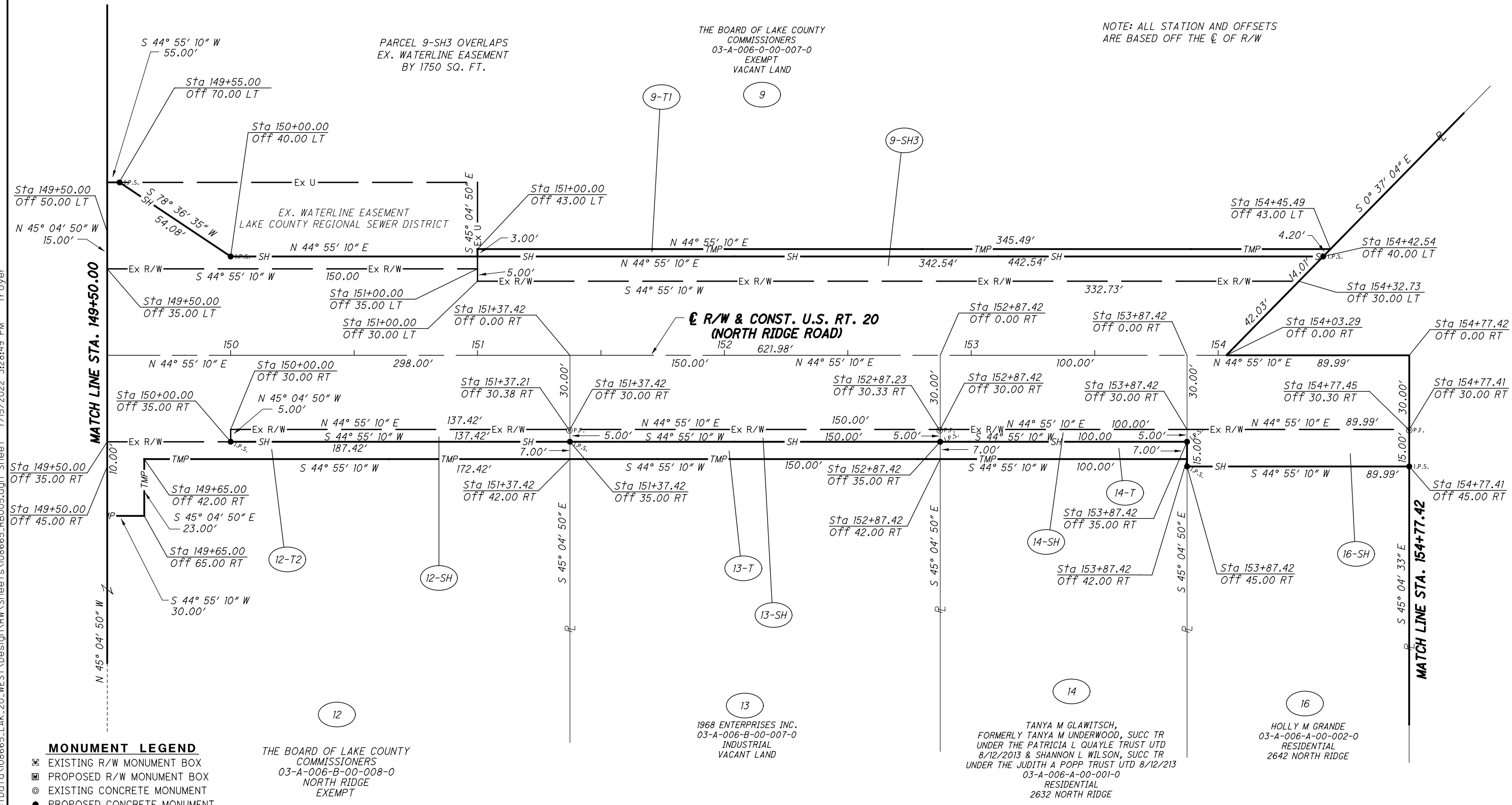
**LAK-US-20-19.59**  
**PART 1**

59 / 165  
1095  
1253

NOTE: ALL STATION AND OFFSETS ARE BASED OFF THE C OF R/W

THE BOARD OF LAKE COUNTY COMMISSIONERS  
03-A-006-0-00-007-0  
EXEMPT VACANT LAND

PARCEL 9-SH3 OVERLAPS EX. WATERLINE EASEMENT BY 1750 SQ. FT.



**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊗ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

THE BOARD OF LAKE COUNTY COMMISSIONERS  
03-A-006-B-00-008-0  
NORTH RIDGE  
EXEMPT

1968 ENTERPRISES INC.  
03-A-006-B-00-007-0  
INDUSTRIAL  
VACANT LAND

TANYA M GLAWITSCH,  
FORMERLY TANYA M UNDERWOOD, SUCC TR  
UNDER THE PATRICIA L QUAYLE TRUST UTD  
8/12/2013 & SHANNON L WILSON, SUCC TR  
UNDER THE JUDITH A POPP TRUST UTD 8/12/213  
03-A-006-A-00-001-0  
RESIDENTIAL  
2632 NORTH RIDGE

HOLLY M GRANDE  
03-A-006-A-00-002-0  
RESIDENTIAL  
2642 NORTH RIDGE

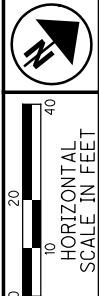
REV. BY	DATE	DESCRIPTION
TMM	2/17/22	REVISED PARCEL 12-T2

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LAK-20-19.59  
PART OF LOT NOS. 60 & 70  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

CONST. CURVE DATA  
P.I. Sta. 158+25.81  
 $\Delta = 9^\circ 23' 30''$  (RT)  
 $Dc = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 235.32'$   
 $L = 469.58'$   
 $E = 9.65'$   
 $C = 469.06'$   
C.B. = N  $49^\circ 36' 55''$  E

R/W CURVE DATA  
P.I. Sta. 158+25.81  
 $\Delta = 9^\circ 23' 30''$  (RT)  
 $Dc = 4^\circ 00' 00''$   
 $R = 1,432.39'$   
 $T = 117.66'$   
 $L = 234.79'$   
 $E = 4.82'$   
 $C = 234.53'$   
C.B. = N  $49^\circ 36' 55''$  E



PID NO. **108665**

R/W DESIGNER: PSL  
R/W REVIEWER: TMM

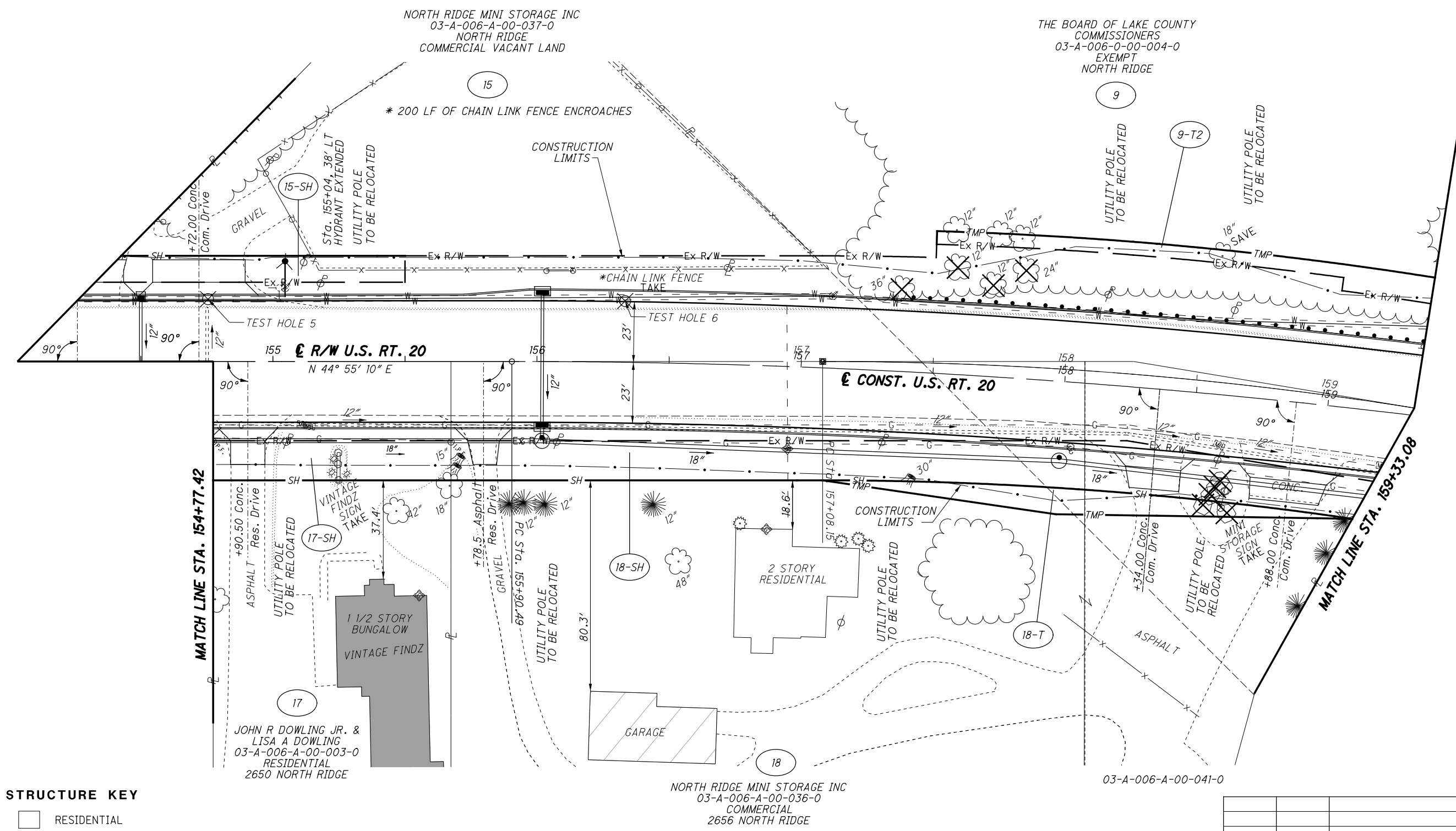
RIGHT OF WAY TOPO SHEET  
STA. 154+77.42 TO STA. 159+33.08

LAK-US-20-19.59  
PART 1

60/165

1096  
1253

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**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION



LAK-20-19.59  
PART OF LOT NO. 70  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

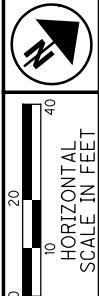
CONST. CURVE DATA  
P.I. Sta. 158+25.81  
 $\Delta = 9^\circ 23' 30''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 235.32'$   
 $L = 469.58'$   
 $E = 9.65'$   
 $C = 469.06'$   
C.B. = N 49° 36' 55" E

R/W CURVE DATA  
P.I. Sta. 158+25.81  
 $\Delta = 9^\circ 23' 30''$  (RT)  
 $D_c = 4^\circ 00' 00''$   
 $R = 1,432.39'$   
 $T = 117.66'$   
 $L = 234.79'$   
 $E = 4.82'$   
 $C = 234.53'$   
C.B. = N 49° 36' 55" E

THE BOARD OF LAKE COUNTY  
COMMISSIONERS  
03-A-006-0-00-004-0  
EXEMPT  
NORTH RIDGE

2709 PRENGLER  
PROPERTIES LLC  
03-A-006-A-00-038-0  
COMMERCIAL  
VACANT LAND  
NORTH RIDGE

2709 PRENGLER  
PROPERTIES LLC  
03-A-006-A-00-027-0  
COMMERCIAL  
2709 NORTH RIDGE



PID NO. 108665

R/W DESIGNER: PSL  
R/W REVIEWER: TMM

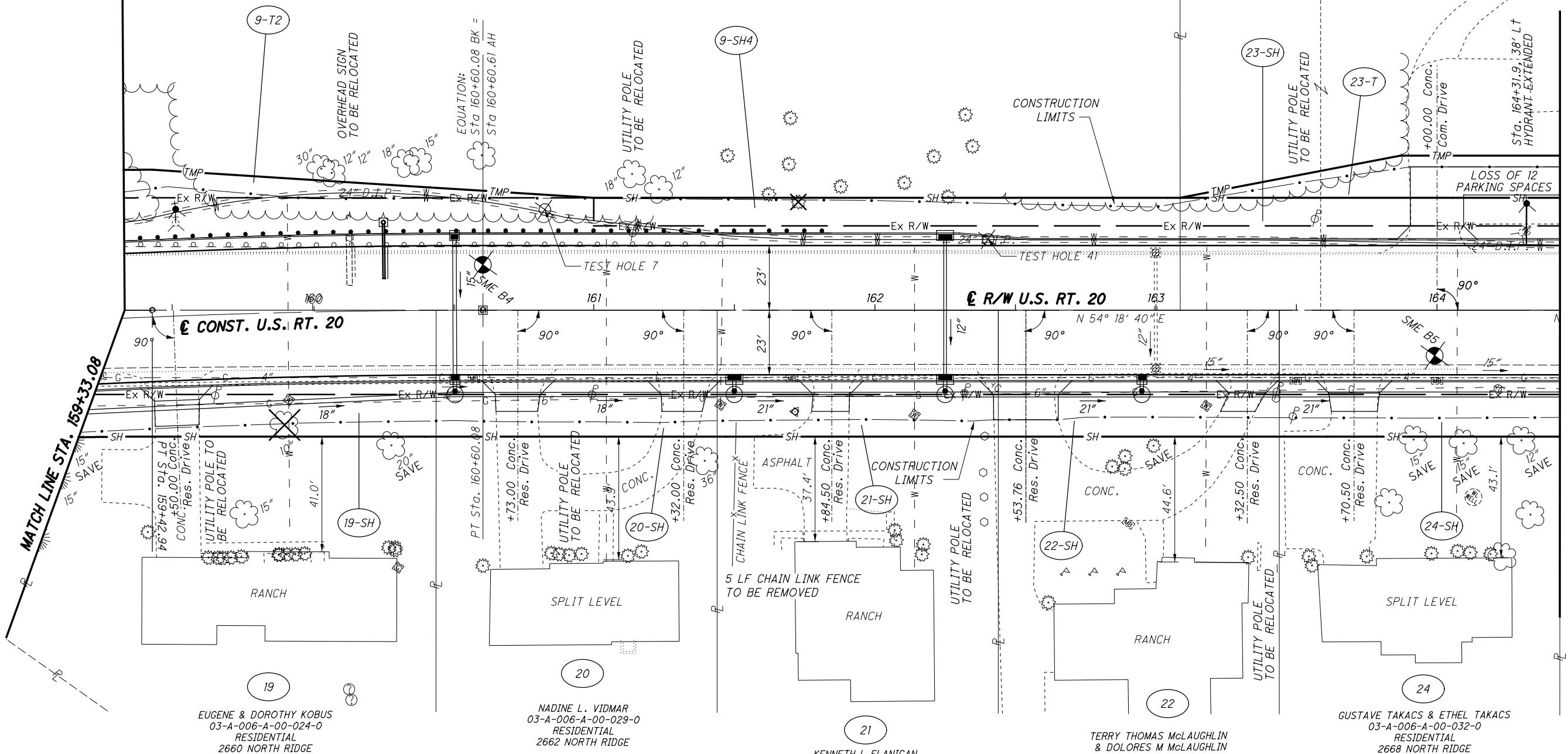
RIGHT OF WAY TOPO SHEET  
STA. 154+77.42 TO STA. 159+33.08

LAK-US-20-19.59  
PART 1

62 / 165

1098  
1253

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**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
PART OF LOT NO. 70  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE  $\text{C}$  OF R/W

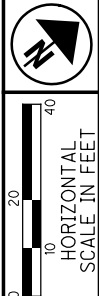
$\text{C}$  CONST. CURVE DATA  $\text{C}$   
P.I. Sta. 158+25.81  
 $\Delta = 9^\circ 23' 30''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 235.32'$   
 $L = 469.58'$   
 $E = 9.65'$   
 $C = 469.06'$   
C.B. = N 49° 36' 55" E

$\text{D}$  R/W CURVE DATA  $\text{D}$   
P.I. Sta. 158+25.81  
 $\Delta = 9^\circ 23' 30''$  (RT)  
 $D_c = 4^\circ 00' 00''$   
 $R = 1,432.39'$   
 $T = 117.66'$   
 $L = 234.79'$   
 $E = 4.82'$   
 $C = 234.53'$   
C.B. = N 49° 36' 55" E

THE BOARD OF LAKE COUNTY  
COMMISSIONERS  
03-A-006-0-00-004-0  
EXEMPT  
NORTH RIDGE

2709 PRENGLER  
PROPERTIES LLC  
03-A-006-A-00-038-0  
COMMERCIAL  
VACANT LAND  
NORTH RIDGE

2709 PRENGLER  
PROPERTIES LLC  
03-A-006-A-00-027-0  
COMMERCIAL  
2709 NORTH RIDGE



PID NO. 108665  
R/W DESIGNER PSJ  
R/W REVIEWER TMM

RIGHT OF WAY BOUNDARY SHEET  
STA. 154+77.42 TO STA. 159+33.08

LAK-US-20-19.59  
PART 1

63 / 165

1099  
1253

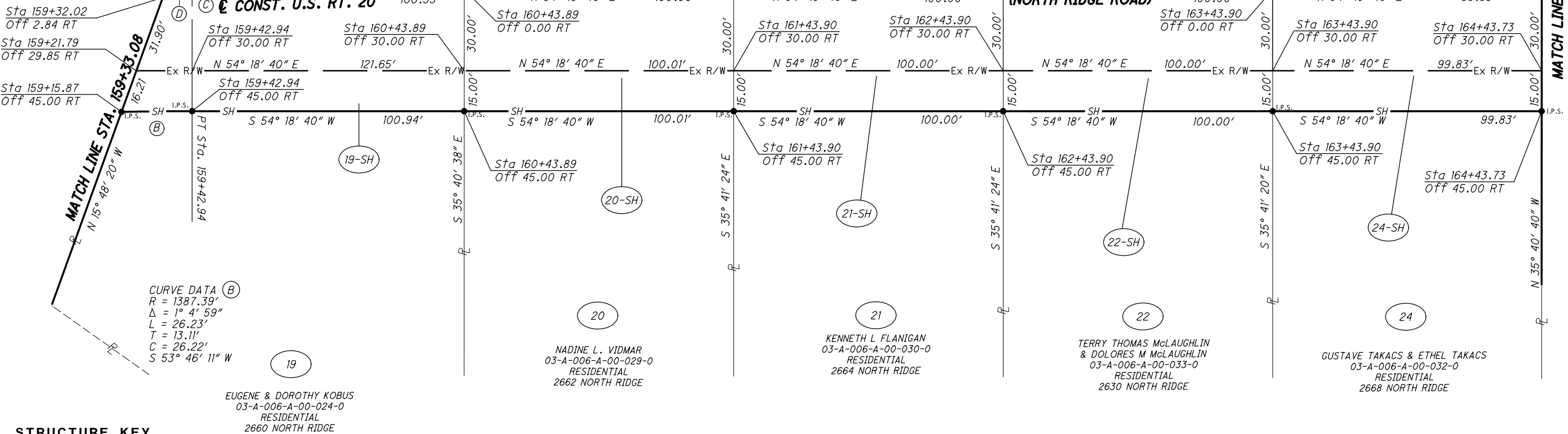
CURVE DATA  $\text{A}$   
 $R = 1432.39'$   
 $\Delta = 0^\circ 23' 40''$   
 $L = 9.86'$   
 $T = 4.93$   
 $C = 9.86'$   
N 53° 46' 11" E

CURVE DATA  $\text{B}$   
 $R = 1387.39'$   
 $\Delta = 1^\circ 4' 59''$   
 $L = 26.23'$   
 $T = 13.11'$   
 $C = 26.22'$   
S 53° 46' 11" W

$\text{C}$  CONST.  
PT Sta. 160+60.08  
EQUATION:  
Sta 160+60.08 BK =  
Sta 160+60.61 AH

$\text{C}$  CONST. U.S. RT. 20

$\text{C}$  R/W U.S. RT. 20  
(NORTH RIDGE ROAD)



**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

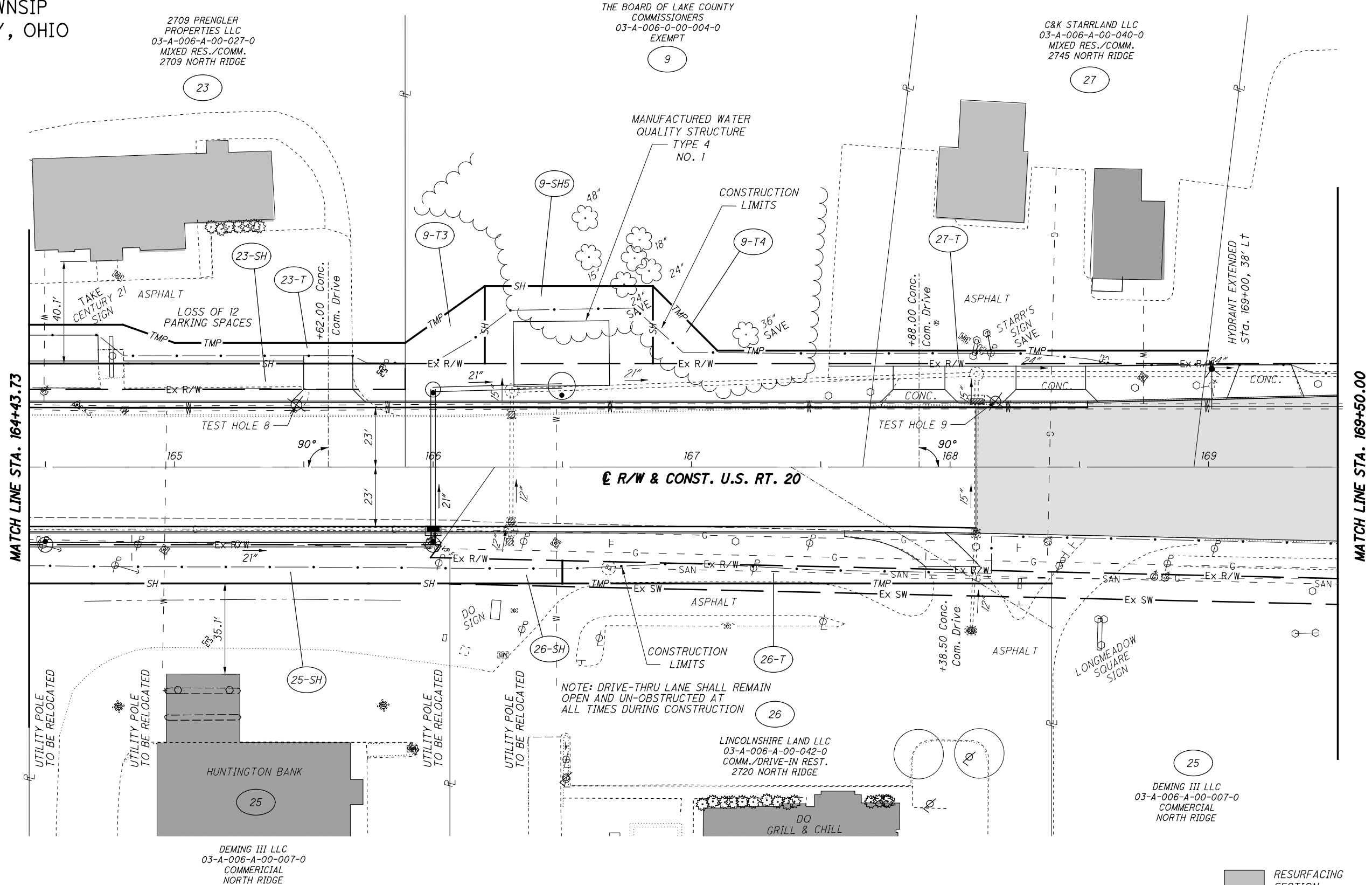
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LAK-20-19.59  
PART OF LOT NO. 70  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

2709 PRENLER  
PROPERTIES LLC  
03-A-006-A-00-027-0  
MIXED RES./COMM.  
2709 NORTH RIDGE

THE BOARD OF LAKE COUNTY  
COMMISSIONERS  
03-A-006-0-00-004-0  
EXEMPT

C&K STARRLAND LLC  
03-A-006-A-00-040-0  
MIXED RES./COMM.  
2745 NORTH RIDGE



U.S. RT. 20  
R/W & CONST.

NOTE: DRIVE-THRU LANE SHALL REMAIN  
OPEN AND UN-OBSTRUCTED AT  
ALL TIMES DURING CONSTRUCTION

**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

RESURFACING SECTION

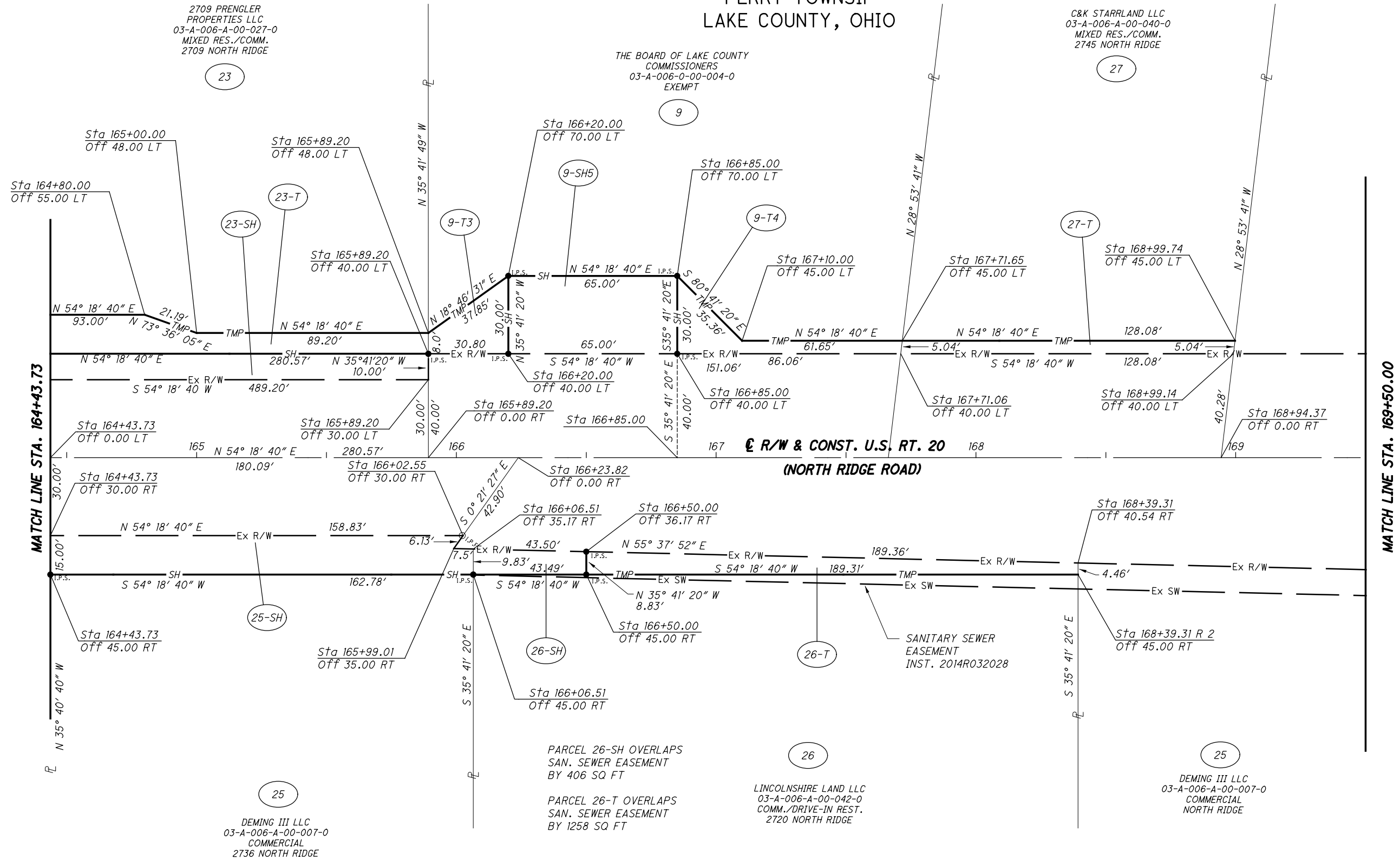
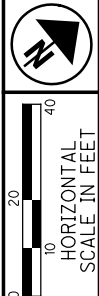
REV. BY	DATE	DESCRIPTION

HORIZONTAL SCALE IN FEET  
 PID NO. **108665**  
 R/W DESIGNER: PSL  
 R/W REVIEWER: TMM  
**LAK-US-20-19.59**  
**RIGHT OF WAY TOPO SHEET**  
**STA. 164+43.73 TO STA. 169+50.00**  
**PART 1**  
 64 / 165  
 1100  
 1253

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NOTE: ALL STATION AND OFFSETS ARE BASED OFF THE  $\bar{C}$  OF R/W

LAK-20-19.59  
PART OF LOT NO. 70  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION

PID NO. **108665**

R/W DESIGNER: PSL  
R/W REVIEWER: TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 164+43.73 TO STA. 169+50.00**

**LAK-US-20-19.59**  
**PART 1**

65 / 165

1101  
1253

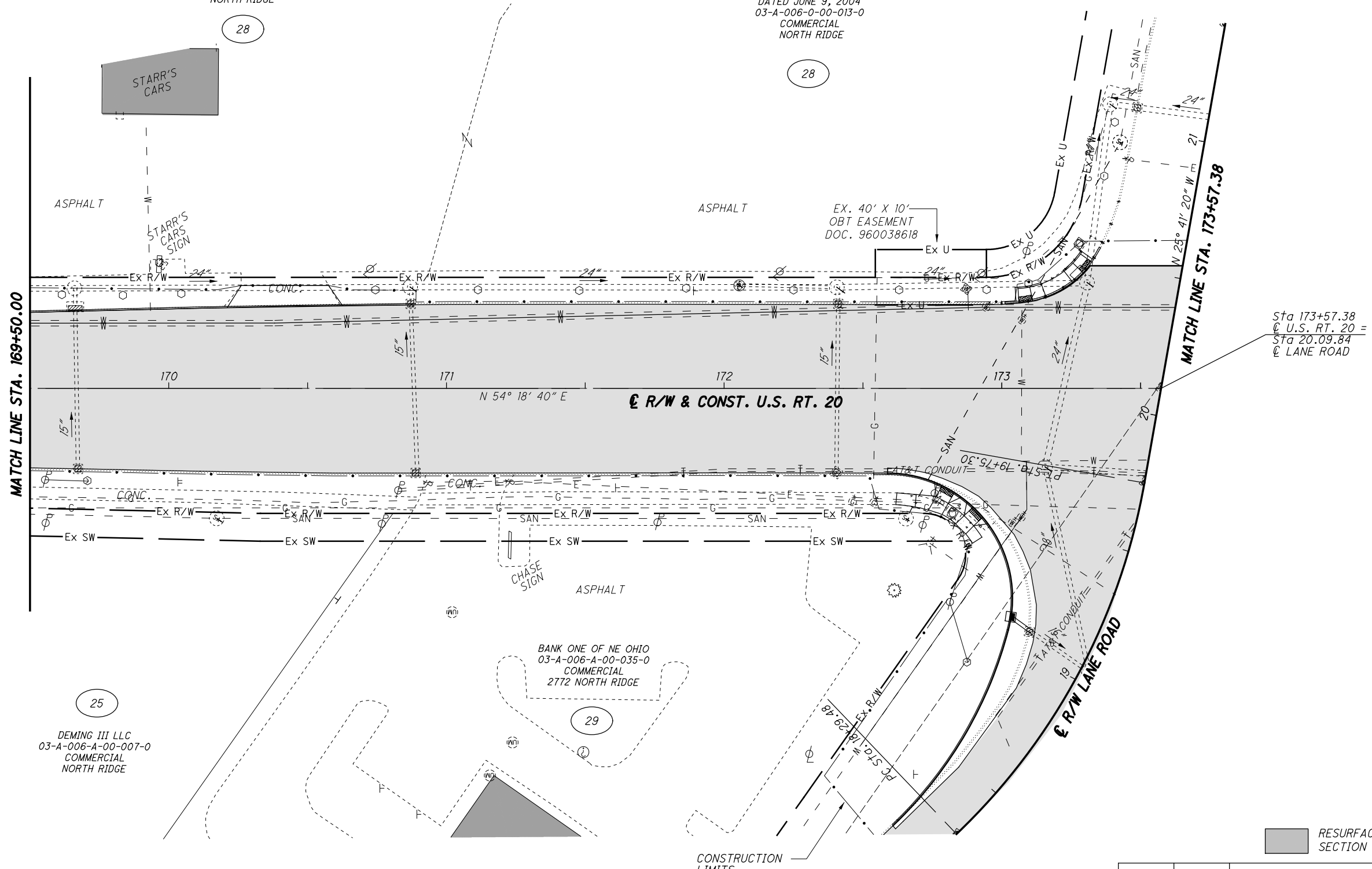
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LAK-20-19.59  
PART OF LOT NO. 70  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

GEORGIA PATRIARCA KOLCUM &  
MARY E PATRIARCA, TRUSTEES  
OF THE PATRIARCA FAMILY TRUST  
DATED JUNE 9, 2004  
03-A-006-A-00-028-0  
COMMERCIAL  
NORTH RIDGE

GEORGIA PATRIARCA KOLCUM &  
MARY E PATRIARCA, TRUSTEES  
OF THE PATRIARCA FAMILY TRUST  
DATED JUNE 9, 2004  
03-A-006-0-00-013-0  
COMMERCIAL  
NORTH RIDGE

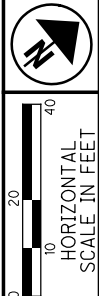


Sta 173+57.38  
@ U.S. RT. 20 =  
Sta 20.09.84  
@ LANE ROAD

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 169+50.00 TO STA. 173+**

**LAK-US-20-19.59**  
**PART 1**

66 / 165

1102  
1253

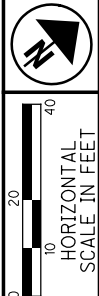
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LAK-20-19.59  
 PART OF LOT NO. 69 & 70  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO

DEMING VIII, LLC  
 03-A-013-0-00-007-0  
 AGRICULTURAL VACANT LAND  
 2823 NORTH RIDGE

30



PID NO. **108665**

R/W DESIGNER: PSL  
 R/W REVIEWER: TMM

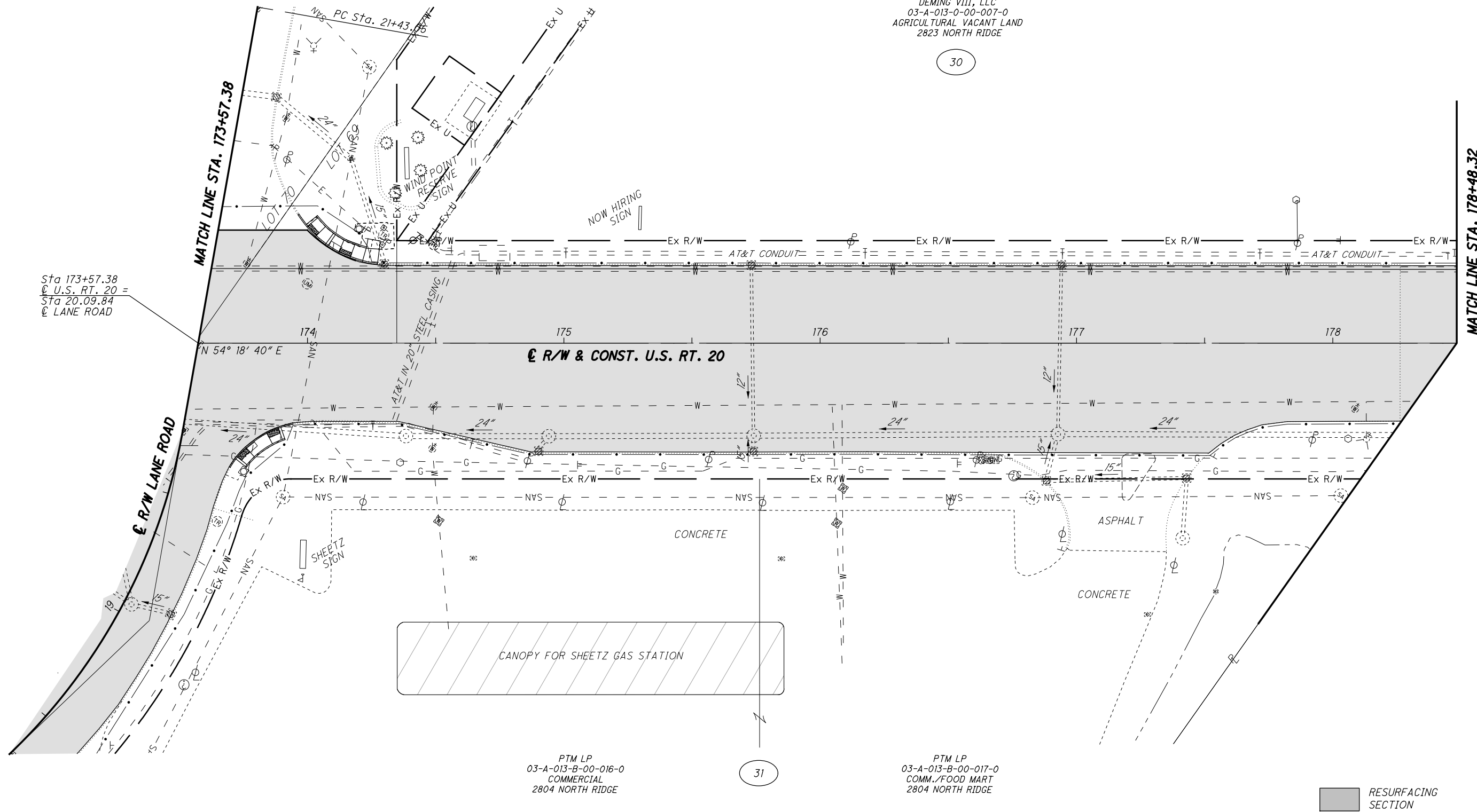
**RIGHT OF WAY TOPO SHEET**  
**STA. 173+57.38 TO STA. 178+48.32**

**LAK-US-20-19.59**  
**PART 1**

68 / 165

1104  
 1253

H:\2018\80743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT10.dgn\_Sheet 7/15/2022 3:29:16 PM troyer



**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

RESURFACING SECTION

REV. BY	DATE	DESCRIPTION

PTM LP  
 03-A-013-B-00-016-0  
 COMMERCIAL  
 2804 NORTH RIDGE

31

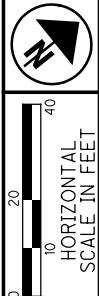
PTM LP  
 03-A-013-B-00-017-0  
 COMM./FOOD MART  
 2804 NORTH RIDGE







LAK-20-19.59  
PART OF LOT NO. 69  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
STA. 178+48.32 TO STA. 183+50.00

**LAK-US-20-19.59**  
**PART 1**

72 / 165

1108  
1253

DEMING VIII, LLC  
03-A-013-0-00-007-0  
AGRICULTURAL VACANT LAND  
2823 NORTH RIDGE

30

UTILITY POLE  
TO BE RELOCATED

CONSTRUCTION  
LIMITS

EX. OBT EASEMENT  
VOL. 914, PG. 240

Sta. 186+56, 38' LT  
HYDRANT EXTENDED

30-SH

UTILITY POLE  
TO BE RELOCATED

PI Sta. 188+05.89

**R/W BLACKMORE RD.**  
N 1° 24' 18" W

**MATCH LINE STA. 188+05.90**

**MATCH LINE STA. 183+50.00**

184

185

186

187

188

**R/W & CONST. U.S. RT. 20**

N 54° 18' 40" E

TEST HOLE 10

23'

23'

12"

12"

90°

90°

Ex R/W

Ex R/W

Ex R/W

Ex R/W

Ex R/W

TMP

TMP

TMP

CONSTRUCTION  
LIMITS

33-T

33-SH

33

HJL STUBB LLC  
03-A-013-0-00-009-0  
AGRICULTURAL VACANT LAND  
NORTH RIDGE

GRAVEL

+19.00 Agg.  
Field Drim

FOR SALE  
TAKE OR SIGN

**STRUCTURE KEY**

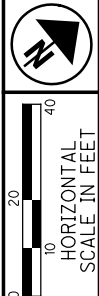
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION

H:\2018\180743\000T\ProjectData\108665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT02.dgn Sheet 7/15/2022 3:29:21PM Troyer

LAK-20-19.59  
PART OF LOT NO. 69 & 70  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE  $\text{C}$  OF R/W



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
STA. 178+48.32 TO STA. 183+50.00

**LAK-US-20-19.59**  
**PART 1**

73 / 165

1109  
1253

DEMING VIII, LLC  
03-A-013-0-00-007-0  
AGRICULTURAL VACANT LAND  
2823 NORTH RIDGE

30

PARCEL 30-SH OVERLAP  
EX. OBT EASEMENT  
BY 3050 SQ. FT.

PARCEL 30-T OVERLAPS  
EX. OBT EASEMENT  
BY 2876 SQ. FT.

EX. OBT EASEMENT  
VOL. 914, PG. 240

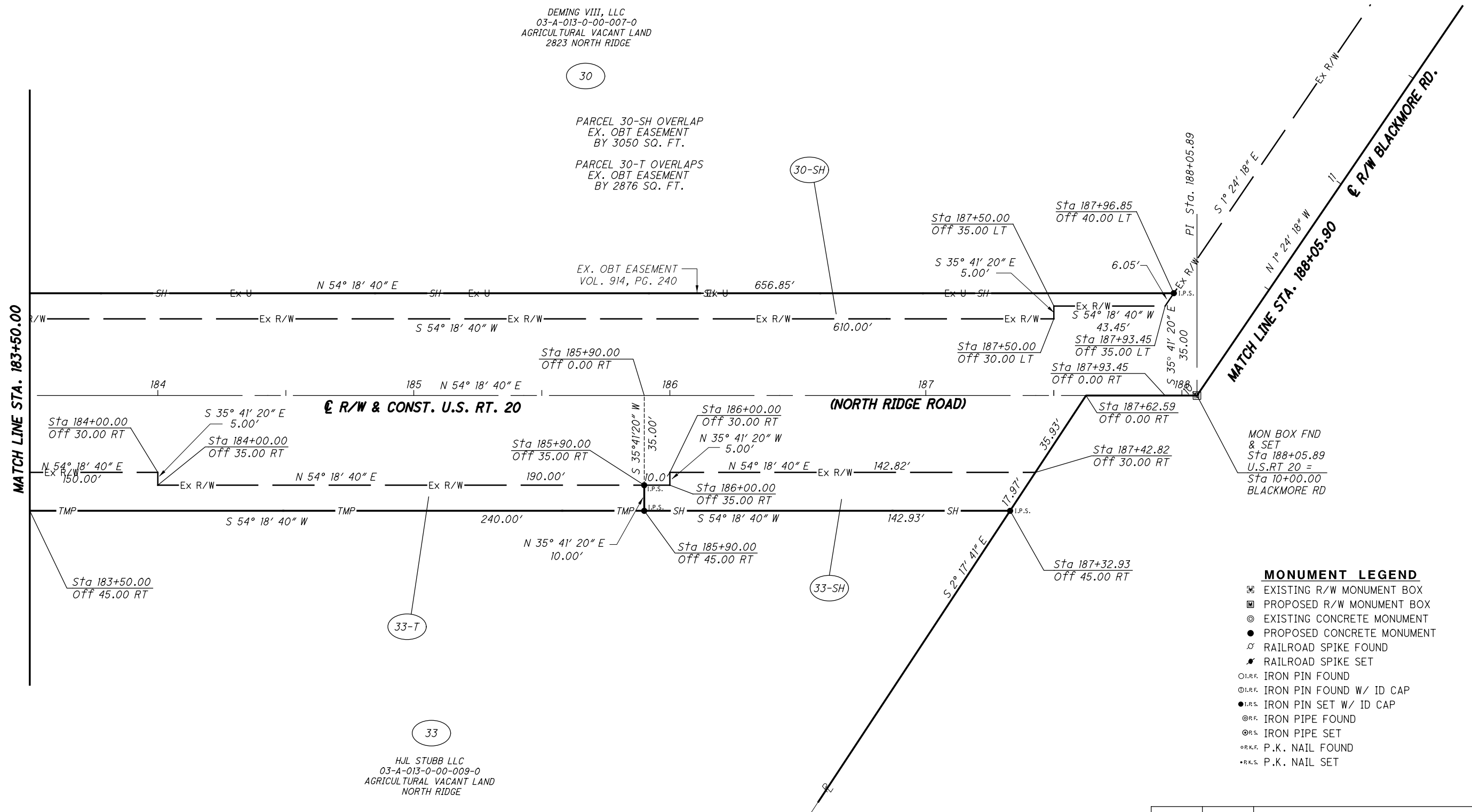
30-SH

33-SH

33-T

33

HJL STUBB LLC  
03-A-013-0-00-009-0  
AGRICULTURAL VACANT LAND  
NORTH RIDGE



REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
 PART OF LOT NO. 69  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



PID NO.  
**108665**

R/W DESIGNER  
 PSL  
 R/W REVIEWER  
 TMM

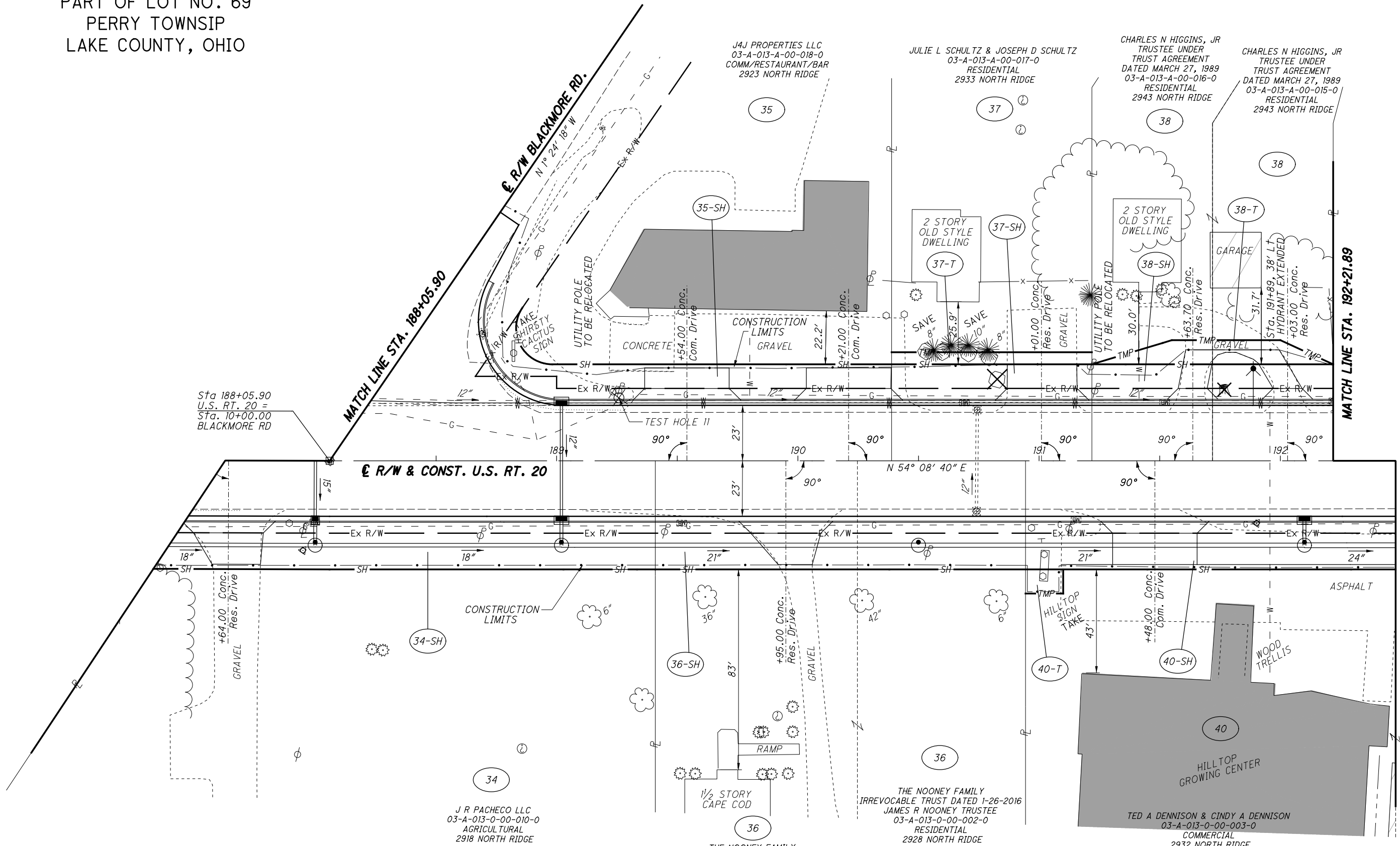
**RIGHT OF WAY TOPO SHEET**  
**STA. 188+05.90 TO STA. 192+21.89**

**LAK-US-20-19.59**  
**PART 1**

74 / 165

1110  
 1253

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**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

TMM	2/17/22	ADDED PARCEL 40-T
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>

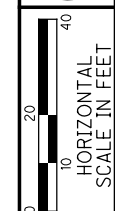
LAK-20-19.59  
PART OF LOT NO. 69  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE C OF R/W

CURVE DATA (A)  
R = 15.00'  
Δ = 124° 27' 02"  
L = 32.58'  
T = 28.48'  
C = 26.54'  
N 63° 37' 49" W

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING



PID NO. **108665**

R/W DESIGNER PSJ  
R/W REVIEWER TMM

RIGHT OF WAY BOUNDARY SHEET  
STA. 188+05.90 TO STA. 192+21.89

LAK-US-20-19.59  
PART 1

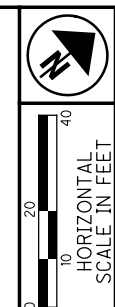
75 / 165

1111  
1253

REV. BY	DATE	DESCRIPTION
TMM	2/17/22	ADDED PARCEL 40-T

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LAK-20-19.59  
PART OF LOT NO. 69  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

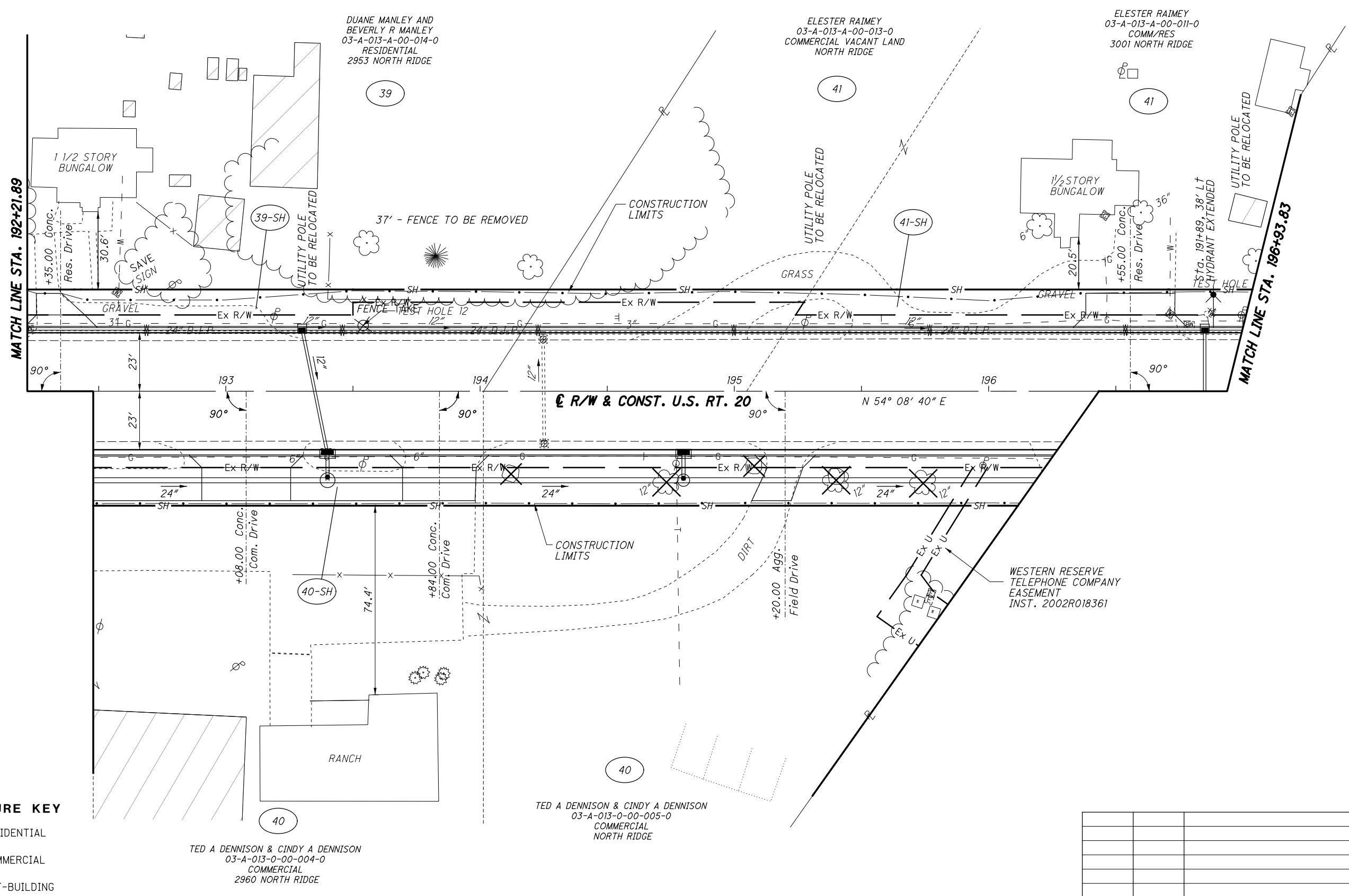
**RIGHT OF WAY TOPO SHEET**  
STA. 192+21.89 TO STA. 196+93.83

**LAK-US-20-19.59**  
**PART 1**

76 / 165

1112  
1253

H:\2018\80743\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT04.dgn Sheet 7/15/2022 3:29:26 PM troyer



**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

TED A DENNISON & CINDY A DENNISON  
03-A-013-0-00-004-0  
COMMERCIAL  
2960 NORTH RIDGE

TED A DENNISON & CINDY A DENNISON  
03-A-013-0-00-005-0  
COMMERCIAL  
NORTH RIDGE

DUANE MANLEY AND  
BEVERLY R MANLEY  
03-A-013-A-00-014-0  
RESIDENTIAL  
2953 NORTH RIDGE

ELESTER RAIMEY  
03-A-013-A-00-013-0  
COMMERCIAL VACANT LAND  
NORTH RIDGE

ELESTER RAIMEY  
03-A-013-A-00-011-0  
COMM/RES  
3001 NORTH RIDGE

WESTERN RESERVE  
TELEPHONE COMPANY  
EASEMENT  
INST. 2002R018361

REV. BY	DATE	DESCRIPTION



LAK-20-19.59  
 PART OF LOT NO. 68 & 69  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



PID NO. **108665**

R/W DESIGNER PSL  
 R/W REVIEWER TMM

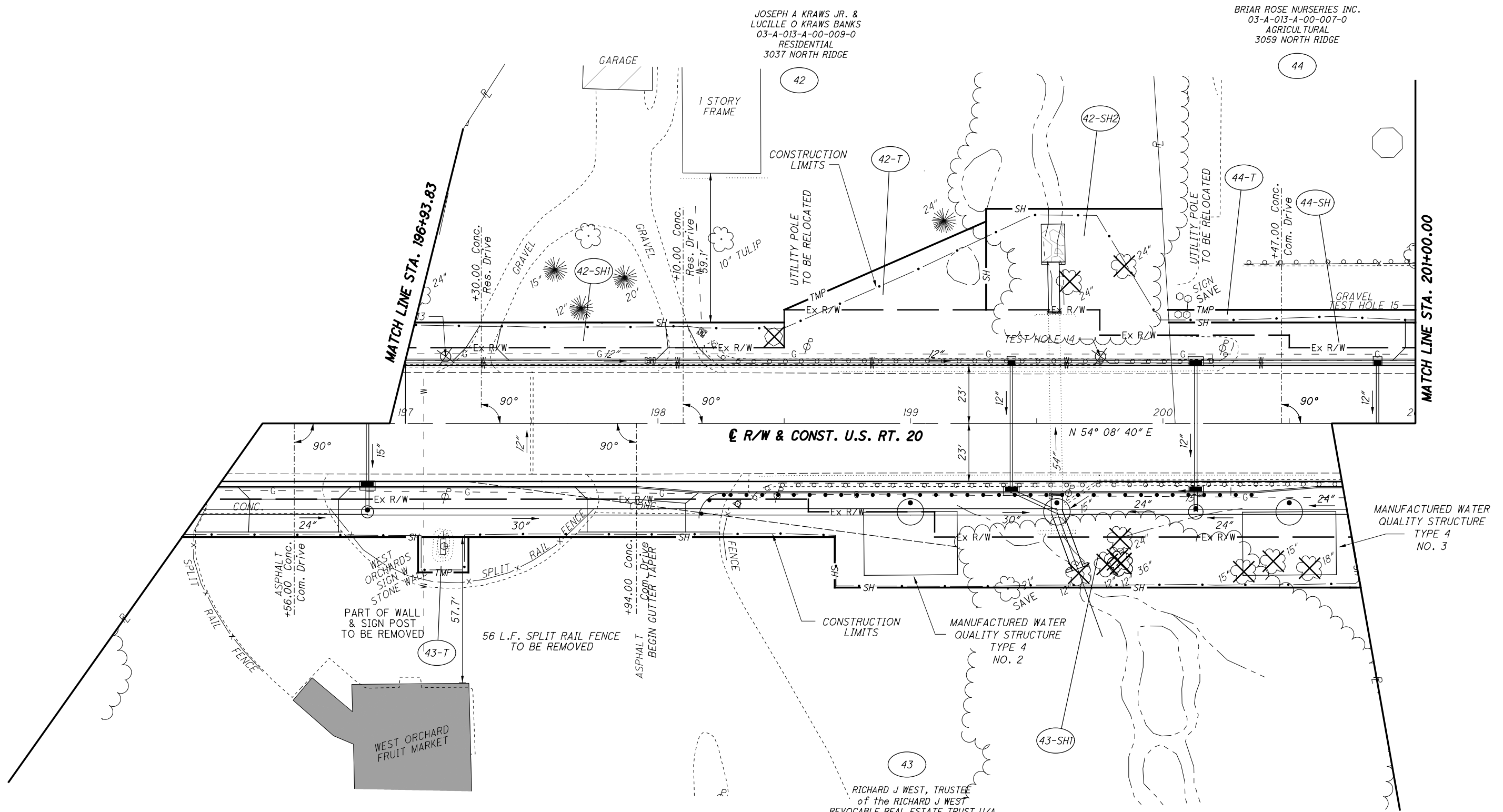
**RIGHT OF WAY TOPO SHEET**  
**STA. 196+93.83 TO STA. 201+00.00**

**LAK-US-20-19.59**  
**PART 1**

78 / 165

1114  
 1253

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**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION
PSL	9/22/21	REVISED PCL 42-SH2; COMBINED 43-SH1 & SH2
		ELIMINATED PARCEL 43-T
TMM	2/17/22	ADDED PARCEL 43-T FOR SIGN REMOVAL

JOSEPH A KRAWS JR. &  
 LUCILLE O KRAWS BANKS  
 03-A-013-A-00-009-0  
 RESIDENTIAL  
 3037 NORTH RIDGE

BRIAR ROSE NURSERIES INC.  
 03-A-013-A-00-007-0  
 AGRICULTURAL  
 3059 NORTH RIDGE

RICHARD J WEST, TRUSTEE  
 of the RICHARD J WEST  
 REVOCABLE REAL ESTATE TRUST U/A  
 JULY 16, 2008  
 03-A-019-0-00-001-0  
 AGRICULTURAL  
 NORTH RIDGE

WEST ORCHARD  
 FRUIT MARKET

MANUFACTURED WATER  
 QUALITY STRUCTURE  
 TYPE 4  
 NO. 3

MANUFACTURED WATER  
 QUALITY STRUCTURE  
 TYPE 4  
 NO. 2

LAK-20-19.59  
PART OF LOT NO. 68 & 69  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE C OF R/W

JOSEPH A KRAWS, JR. &  
LUCILLE O KRAWS BANKS  
03-A-013-A-00-009-0  
RESIDENTIAL  
3037 NORTH RIDGE

BRIAR ROSE NURSERIES INC.  
03-A-013-A-00-007-0  
AGRICULTURAL  
3059 NORTH RIDGE



PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

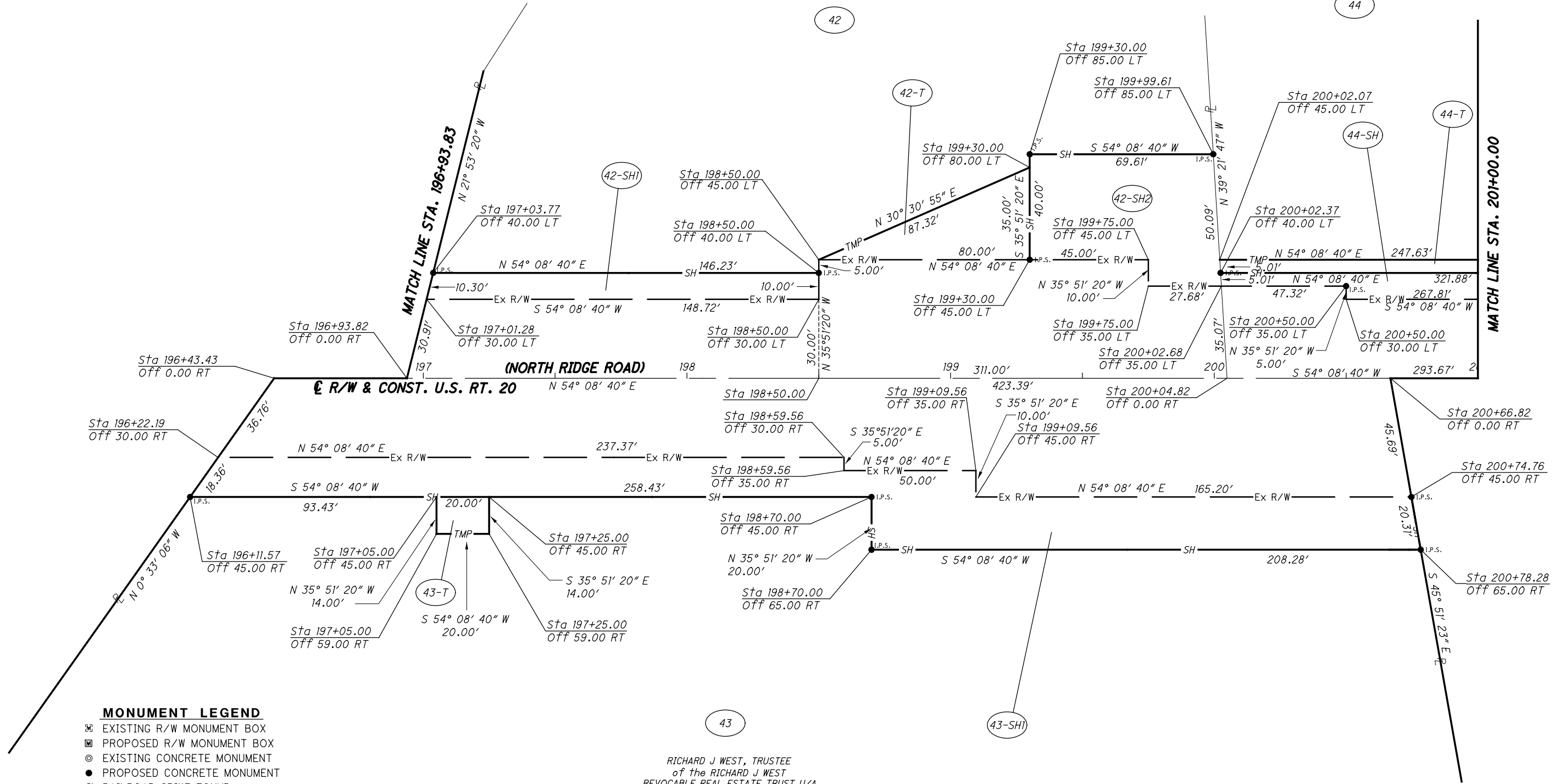
**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 196+93.83 TO STA. 201+00.00**

**LAK-US-20-19.59**  
**PART 1**

79 / 165

1115  
1253

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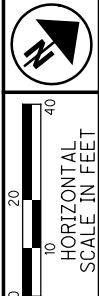


- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚡ RAILROAD SPIKE FOUND
  - ⚡ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.F. IRON PIPE FOUND
  - ⊙ I.P.S. IRON PIPE SET
  - ⊙ P.K.F. P.K. NAIL FOUND
  - ⊙ P.K.S. P.K. NAIL SET

RICHARD J WEST, TRUSTEE  
of the RICHARD J WEST  
REVOCABLE REAL ESTATE TRUST U/A  
JULY 16, 2008  
03-A-019-0-00-001-0  
AGRICULTURAL  
NORTH RIDGE

REV. BY	DATE	DESCRIPTION
PSL	9/22/21	REVISED PCL 42-SH2; COMBINED 43-SHI & SH2
		ELIMINATED PARCEL 43-T
TMM	2/17/22	ADDED PARCEL 43-T FOR SIGN REMOVAL

LAK-20-19.59  
PART OF LOT NO. 68 & 69  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO.  
PSL  
R/W REVIEWER  
TMM

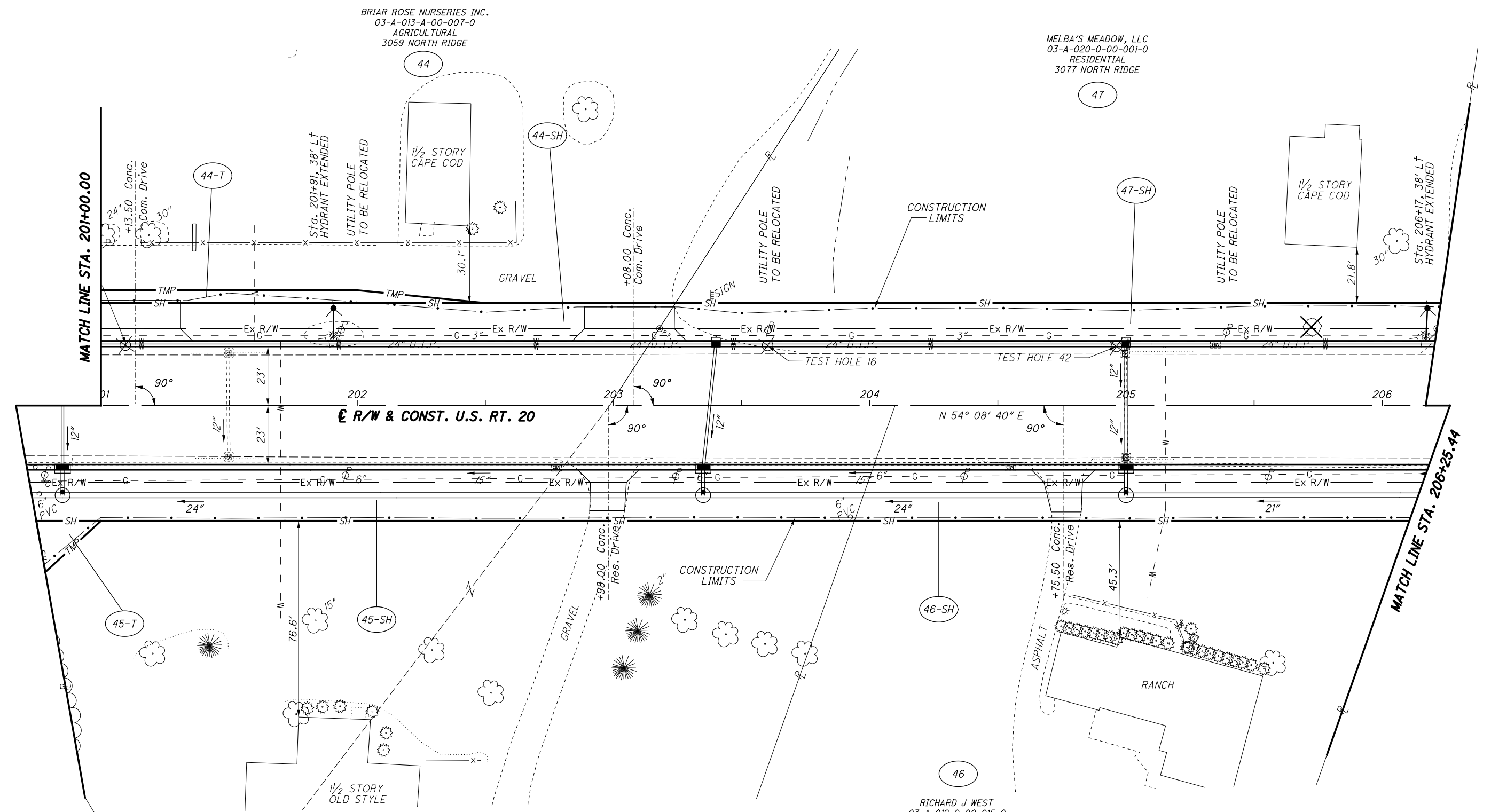
RIGHT OF WAY TOPO SHEET  
STA. 201+00.00 TO STA. 206+25.44

LAK-US-20-19.59  
PART 1

80 / 165

1116  
1253

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**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

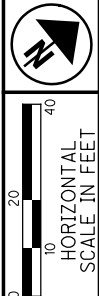
TODD R WEST & ANNETTE M WEST  
03-A-013-A-00-006-0  
RESIDENTIAL  
3056 NORTH RIDGE

RICHARD J WEST  
03-A-019-0-00-015-0  
RESIDENTIAL  
3076 NORTH RIDGE

REV. BY	DATE	DESCRIPTION
PSL	9/17/21	REVISED OWNERSHIP PARCEL 47

LAK-20-19.59  
 PART OF LOT NO. 68 & 69  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS ARE BASED OFF THE  $\text{C}$  OF R/W



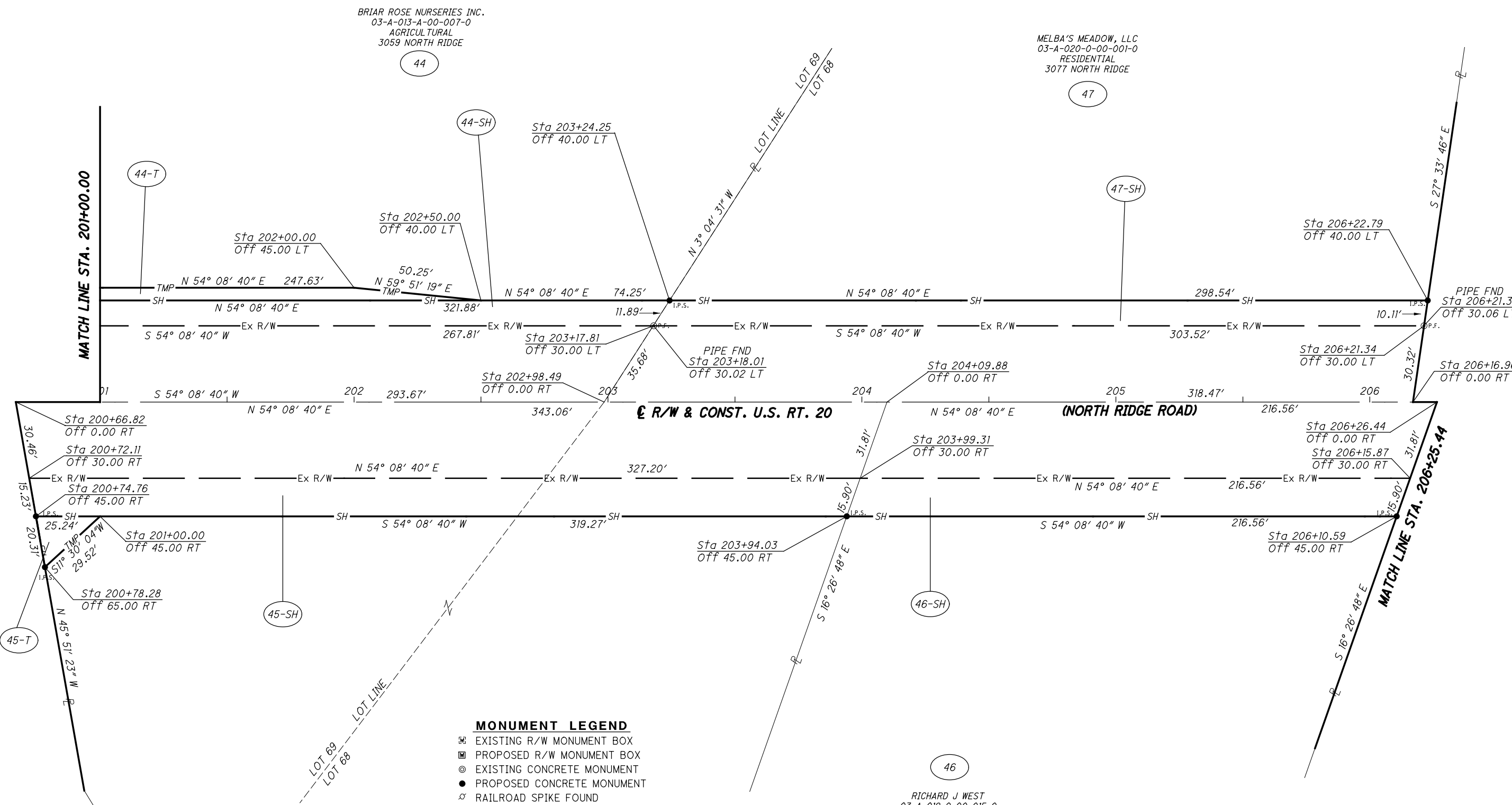
PID NO. 108665  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

RIGHT OF WAY BOUNDARY SHEET  
 STA. 201+00.00 TO STA. 206+25.44

LAK-US-20-19.59  
 PART 1

81 / 165

1117  
 1253



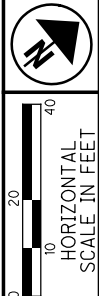
- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚡ RAILROAD SPIKE FOUND
  - ⚡ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.F. IRON PIPE FOUND
  - ⊙ I.P.S. IRON PIPE SET
  - ⊙ R.K.F. P.K. NAIL FOUND
  - R.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION
PSL	9/17/21	REVISED OWNERSHIP PARCEL 47

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LAK-20-19.59  
 PART OF LOT NO. 68 & 78  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



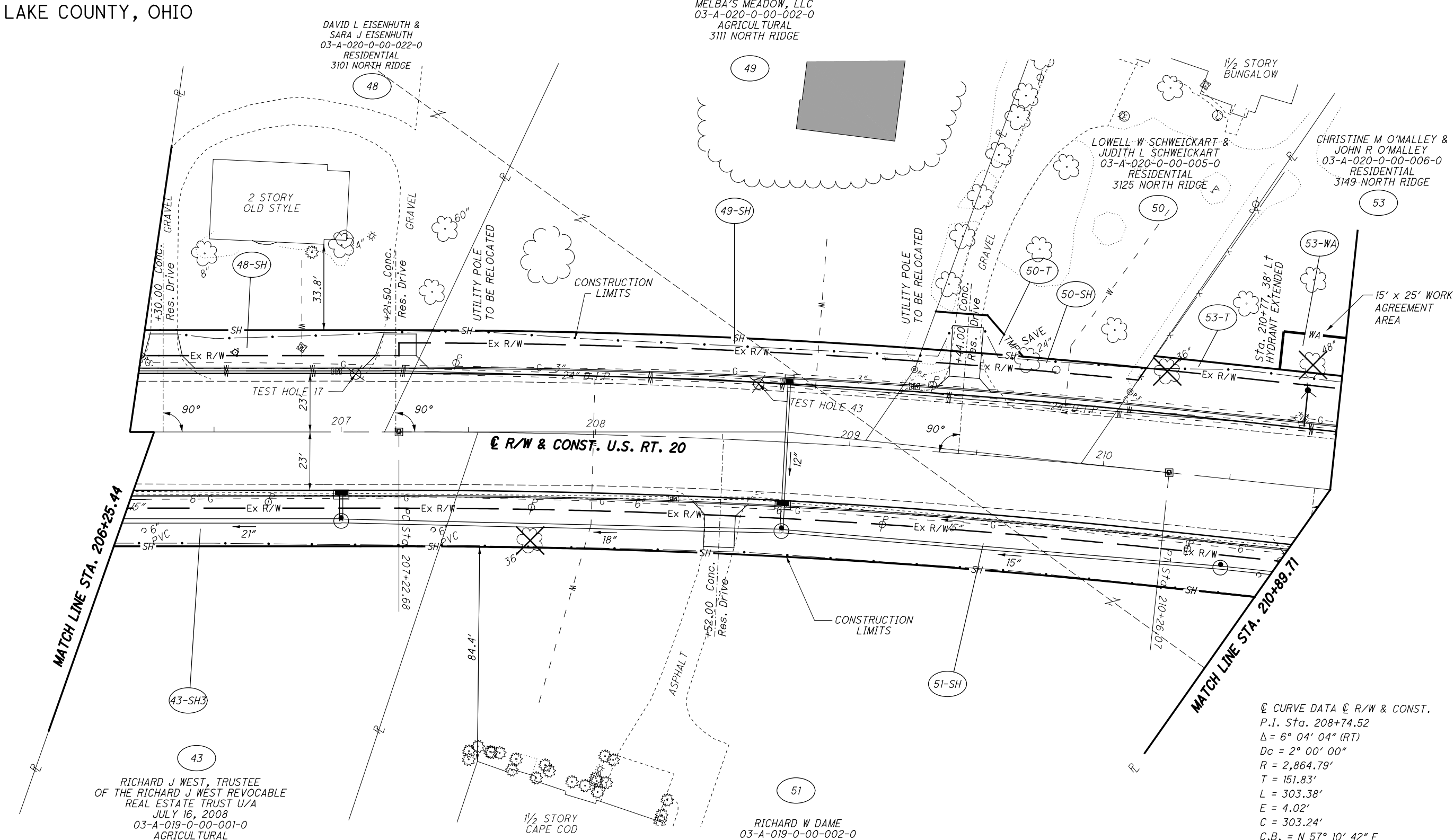
PID NO.  
**108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 206+25.44 TO STA. 210+89.71**

**LAK-US-20-19.59**  
**PART 1**

82 / 165  
 1118  
 1253

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**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

☉ CURVE DATA ☉ R/W & CONST.  
 P.I. Sta. 208+74.52  
 $\Delta = 6^{\circ} 04' 04''$  (RT)  
 $Dc = 2^{\circ} 00' 00''$   
 $R = 2,864.79'$   
 $T = 151.83'$   
 $L = 303.38'$   
 $E = 4.02'$   
 $C = 303.24'$   
 $C.B. = N 57^{\circ} 10' 42'' E$

PSL	9/24/21	REVISED OWNERSHIP PARCEL 49
TMM	1/20/22	REMOVED 2 TREES; ADDED WA AREA PARCEL 53
REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
PART OF LOT NO. 68 & 78  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE  $\bar{C}$  OF R/W

**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▭ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- ⊙ I.R.F. IRON PIN FOUND
- ⊙ I.R.F. IRON PIN FOUND W/ ID CAP
- I.R.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

**CURVE DATA (A)**  
R = 2899.79'  
 $\Delta = 0^\circ 12' 53''$   
L = 10.87'  
T = 5.44'  
C = 10.87'  
S  $54^\circ 15' 07''$  W

**CURVE DATA (K)**  
R = 2904.79'  
 $\Delta = 0^\circ 15' 39''$   
L = 13.23'  
T = 6.16'  
C = 13.23'  
N  $54^\circ 16' 30''$  E

**CURVE DATA (E)**  
R = 2899.79'  
 $\Delta = 3^\circ 49' 04''$   
L = 193.22'  
T = 96.64'  
C = 193.18'  
S  $56^\circ 16' 06''$  W

**CURVE DATA (L)**  
R = 2904.79'  
 $\Delta = 0^\circ 34' 00''$   
L = 192.66'  
T = 147.32'  
C = 192.62'  
N  $56^\circ 18' 20''$  E

**CURVE DATA (F)**  
R = 2899.79'  
 $\Delta = 1^\circ 43' 12.34''$   
L = 87.06'  
T = 43.53'  
C = 87.05'  
S  $59^\circ 02' 14''$  W

**CURVE DATA (M)**  
R = 2904.79'  
 $\Delta = 0^\circ 47' 08''$   
L = 39.82'  
T = 19.91'  
C = 39.82'  
N  $58^\circ 35' 54''$  E

**CURVE DATA (N)**  
R = 2904.79'  
 $\Delta = 0^\circ 15' 40''$   
L = 13.24'  
T = 6.62'  
C = 13.24'  
S  $60^\circ 04' 54''$  W

**CURVE DATA (O)**  
R = 2904.79'  
 $\Delta = 0^\circ 15' 40''$   
L = 13.24'  
T = 6.62'  
C = 13.24'  
S  $60^\circ 04' 54''$  W

DAVID L & SARA J EISENHUTH  
03-A-020-0-00-022-0  
RESIDENTIAL  
3101 NORTH RIDGE

MELBA'S MEADOW, LLC  
03-A-020-0-00-002-0  
AGRICULTURAL  
3101 NORTH RIDGE

LOWELL W SCHWEICKART &  
JUDITH L SCHWEICKART  
03-A-020-0-00-005-0  
RESIDENTIAL  
3125 NORTH RIDGE

CHRISTINE M O'MALLEY &  
JOHN R O'MALLEY  
03-A-020-0-00-006-0  
RESIDENTIAL  
3149 NORTH RIDGE

RICHARD J WEST, TRUSTEE  
of the RICHARD J WEST  
REVOCABLE REAL ESTATE TRUST U/A  
JULY 16, 2008  
03-A-019-0-00-001-0  
AGRICULTURAL  
NORTH RIDGE

RICHARD W DAME  
03-A-019-0-00-002-0  
RESIDENTIAL  
3096 NORTH RIDGE

**CURVE DATA (B)**  
R = 2864.79'  
 $\Delta = 0^\circ 37' 17''$   
L = 31.06'  
T = 15.53'  
C = 31.06'  
N  $54^\circ 27' 19''$  E

**CURVE DATA (C)**  
R = 2834.79'  
 $\Delta = 0^\circ 25' 36''$   
L = 21.11'  
T = 10.55'  
C = 21.11'  
S  $54^\circ 21' 28''$  W

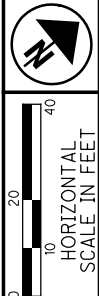
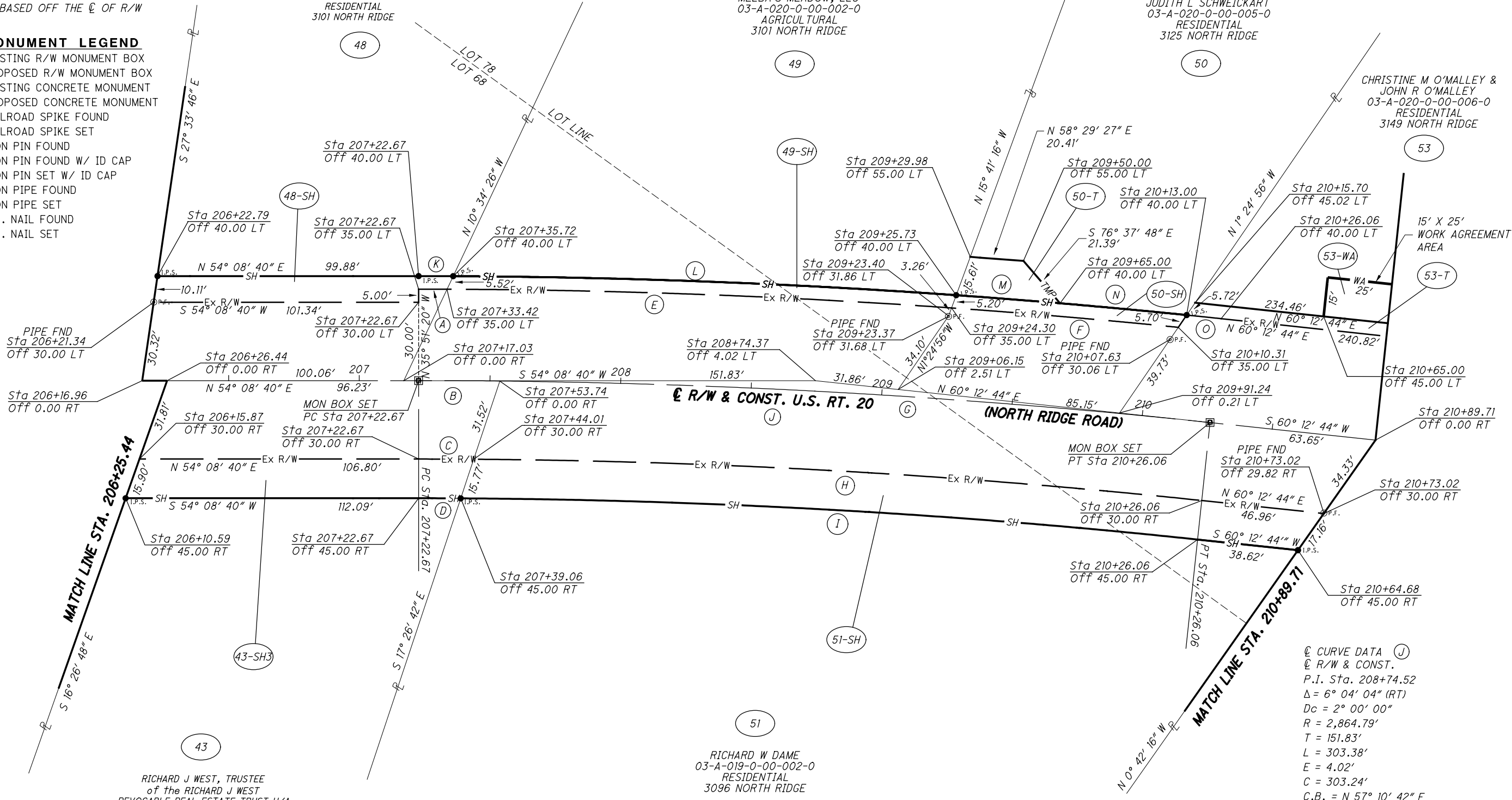
**CURVE DATA (D)**  
R = 2819.79'  
 $\Delta = 0^\circ 19' 40''$   
L = 16.13'  
T = 8.06'  
C = 16.13'  
N  $54^\circ 18' 30''$  E

**CURVE DATA (G)**  
R = 2864.79'  
 $\Delta = 5^\circ 26' 47''$   
L = 272.32'  
T = 136.26'  
C = 272.22'  
N  $57^\circ 29' 21''$  E

**CURVE DATA (H)**  
R = 2834.79'  
 $\Delta = 5^\circ 38' 28''$   
L = 279.10'  
T = 139.66'  
C = 278.99'  
N  $57^\circ 23' 30''$  E

**CURVE DATA (I)**  
R = 2819.79'  
 $\Delta = 5^\circ 44' 24''$   
L = 282.49'  
T = 141.36'  
C = 282.37'  
S  $57^\circ 20' 32''$  W

**CURVE DATA (J)**  
 $\bar{C}$  R/W & CONST.  
P.I. Sta. 208+74.52  
 $\Delta = 6^\circ 04' 04''$  (RT)  
Dc = 2° 00' 00"  
T = 151.83'  
L = 303.38'  
E = 4.02'  
C = 303.24'  
C.B. = N  $57^\circ 10' 42''$  E



PID NO. 108665  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
STA. 206+25.44 TO STA. 210+89.71

LAK-US-20-19.59  
PART 1

REV. BY	DATE	DESCRIPTION
PSL	9/24/21	REVISED OWNERSHIP PARCEL 49
TMM	1/20/22	ADDED WORK AGREEMENT AREA PARCEL 53

83/165  
1119  
1253

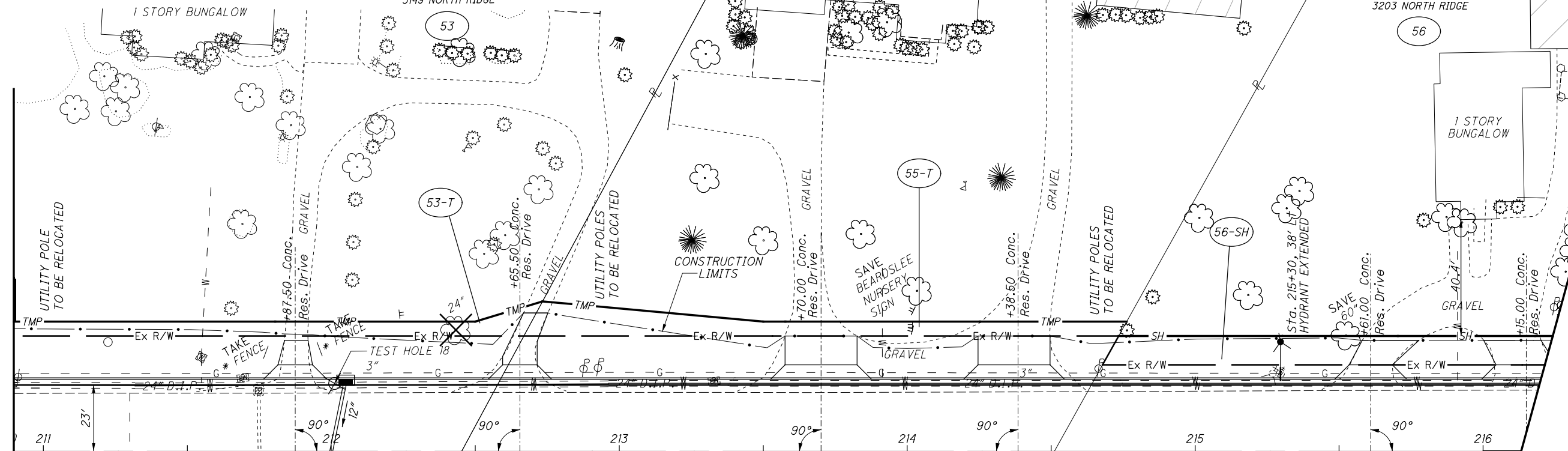
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LAK-20-19.59  
PART OF LOT NO. 78  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

VJACK LLC  
03-A-020-0-00-007-0  
AGRICULTURAL  
3191 NORTH RIDGE

CHRISTINE M O'MALLEY  
& JOHN R O'MALLEY  
03-A-020-0-00-006-0  
RESIDENTIAL  
3149 NORTH RIDGE

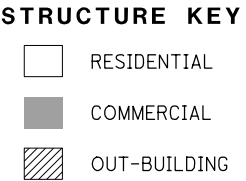
BRUCE ALAN MANLEY  
03-A-020-0-00-009-0  
RESIDENTIAL  
3203 NORTH RIDGE



MATCH LINE STA. 210+89.71

MATCH LINE STA. 216+00.00

R/W & CONST. U.S. RT. 20



REV. BY	DATE	DESCRIPTION
TMM	1/20/22	REMOVING 24" TREE PRCEL 53

HORIZONTAL SCALE IN FEET

PID NO. **108665**

R/W DESIGNER: PSL  
 R/W REVIEWER: TMM

**LAK-US-20-19.59**  
**RIGHT OF WAY TOPO SHEET**  
**STA. 210+89.71 TO STA. 216+00.00**

**PART 1**

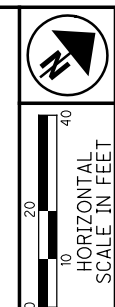
84 / 165

1120  
1253

H:\2018\180743\ODOT\ProjectData\08665\LAK\_20\_WEST\Design\RWSheets\108665\_RT018.dgn Sheet 7/15/2022 3:29:36 PM Troyer



LAK-20-19.59  
PART OF LOT NO. 78  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

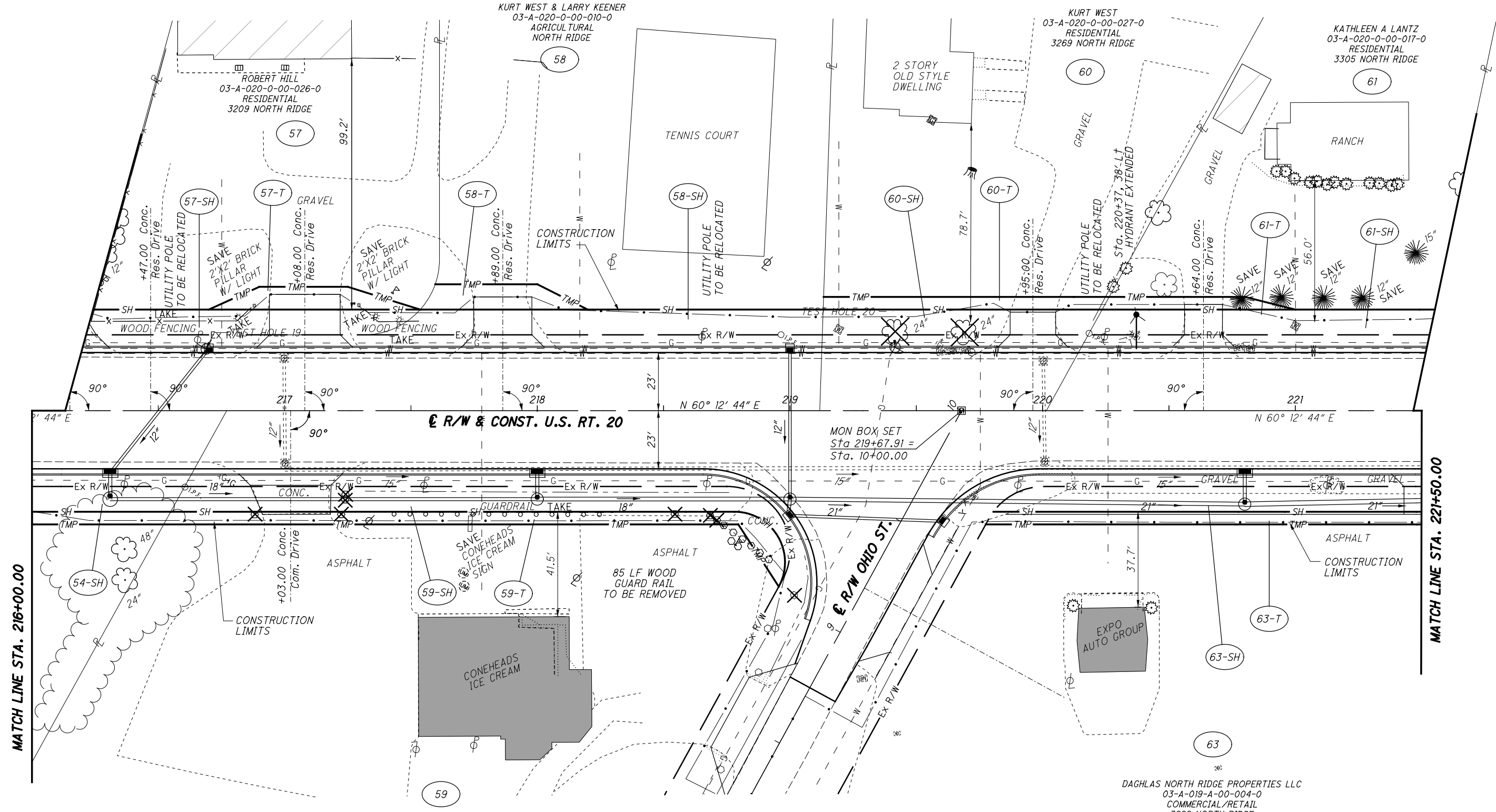


PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 216+00.00 TO STA. 221+50.00**

**LAK-US-20-19.59**  
**PART 1**



**STRUCTURE KEY**

[White Box]	RESIDENTIAL
[Grey Box]	COMMERCIAL
[Hatched Box]	OUT-BUILDING

3266 NORTH RIDGE PERRY, LLC  
03-A-019-A-00-005-0  
COMMERCIAL/RESTAURANT  
3266 NORTH RIDGE

DAGHLAS NORTH RIDGE PROPERTIES LLC  
03-A-019-A-00-004-0  
COMMERCIAL/RETAIL  
3292 NORTH RIDGE

PSL	11/29/21	UPDATED OWNERSHIP PARCEL 59
TMM	01/13/22	ADD A DRIVEWAY ON PARCEL 63-SH
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>

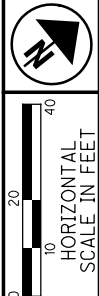
H:\2018\80743\ODOT\ProjectData\08665\_LAK\_20\_WEST\Design\RWSheets\08665\_RT09.dgn Sheet 7/15/2022 3:29:39 PM troyer

LAK-20-19.59  
PART OF LOT NO. 78  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

CURVE DATA (A)  
R = 30.00'  
Δ = 47° 55' 33"  
L = 25.09'  
T = 13.33'  
C = 24.37'  
S 35° 59' 05" W

CURVE DATA (B)  
R = 30.00'  
Δ = 24° 37' 51"  
L = 12.90'  
T = 6.55'  
C = 12.80'  
S 01° 59' 54" W

NOTE: ALL STATION AND OFFSETS ARE BASED OFF THE C OF R/W



PID NO. 108665

R/W DESIGNER: PSL  
R/W REVIEWER: TMM

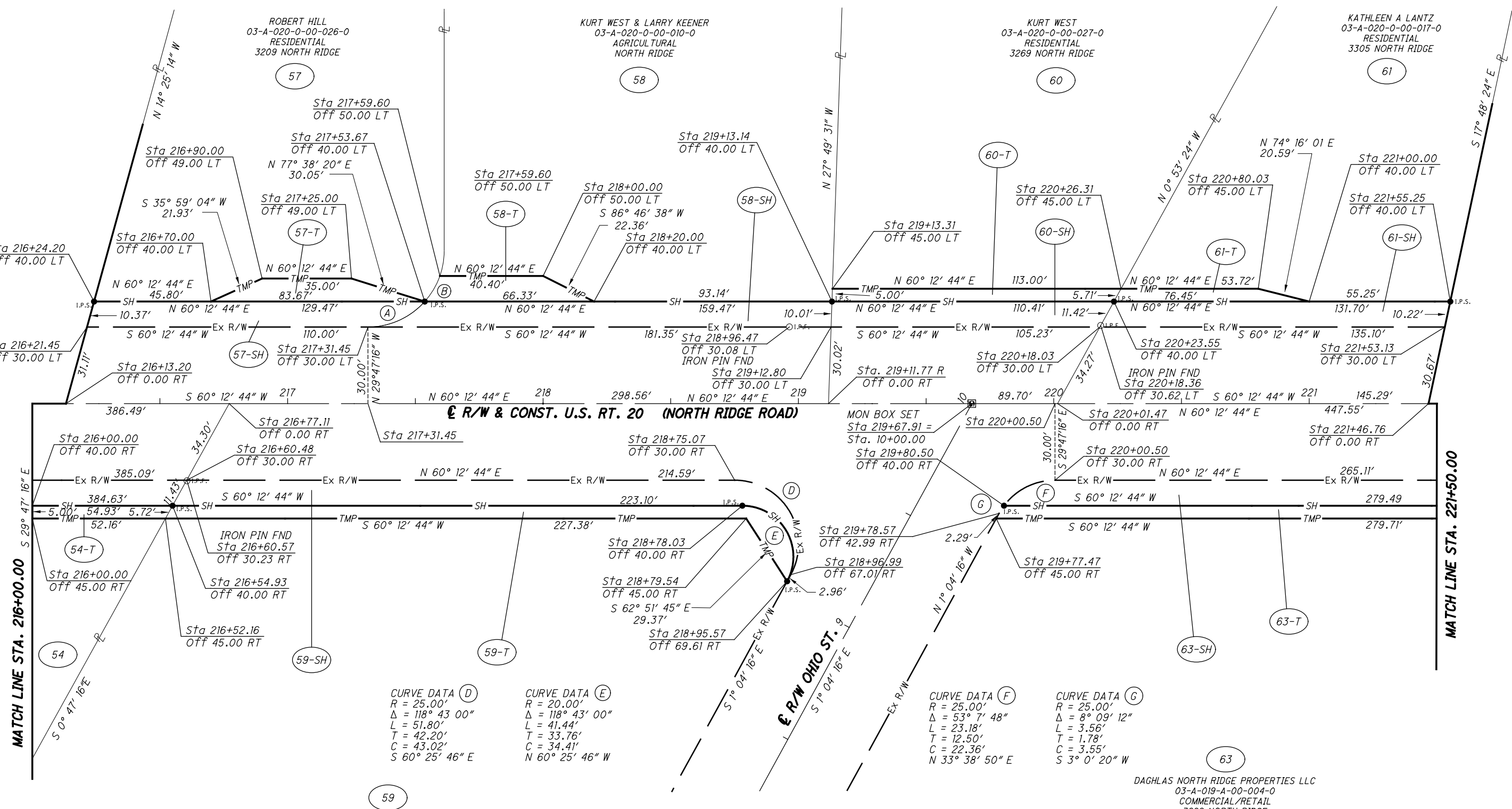
RIGHT OF WAY BOUNDARY SHEET  
STA. 216+00.00 TO STA. 221+50.00

LAK-US-20-19.59  
PART 1

87/165

1123  
1253

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**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

3266 NORTH RIDGE PERRY, LLC  
03-A-019-A-00-005-0  
COMMERCIAL/RESTAURANT  
3266 NORTH RIDGE

CURVE DATA (D)  
R = 25.00'  
Δ = 118° 43' 00"  
L = 51.80'  
T = 42.20'  
C = 43.02'  
S 60° 25' 46" E

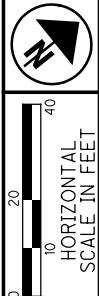
CURVE DATA (E)  
R = 20.00'  
Δ = 118° 43' 00"  
L = 41.44'  
T = 33.76'  
C = 34.41'  
N 60° 25' 46" W

CURVE DATA (F)  
R = 25.00'  
Δ = 53° 7' 48"  
L = 23.18'  
T = 12.50'  
C = 22.36'  
N 33° 38' 50" E

CURVE DATA (G)  
R = 25.00'  
Δ = 8° 09' 12"  
L = 3.56'  
T = 1.78'  
C = 3.55'  
S 3° 0' 20" W

PSL	11/29/21	REVISED OWNERSHIP PARCEL 59
REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
PART OF LOT NO. 78  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. 108665

R/W DESIGNER: PSL  
R/W REVIEWER: TMM

RIGHT OF WAY TOPO SHEET  
STA. 221+50.00 TO STA. 227+39.43

LAK-US-20-19.59  
PART 1

88/165

1124  
1253

H:\2018\80743\ProjectData\108665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT020.dgn Sheet 7/15/2022 3:29:41PM troyer

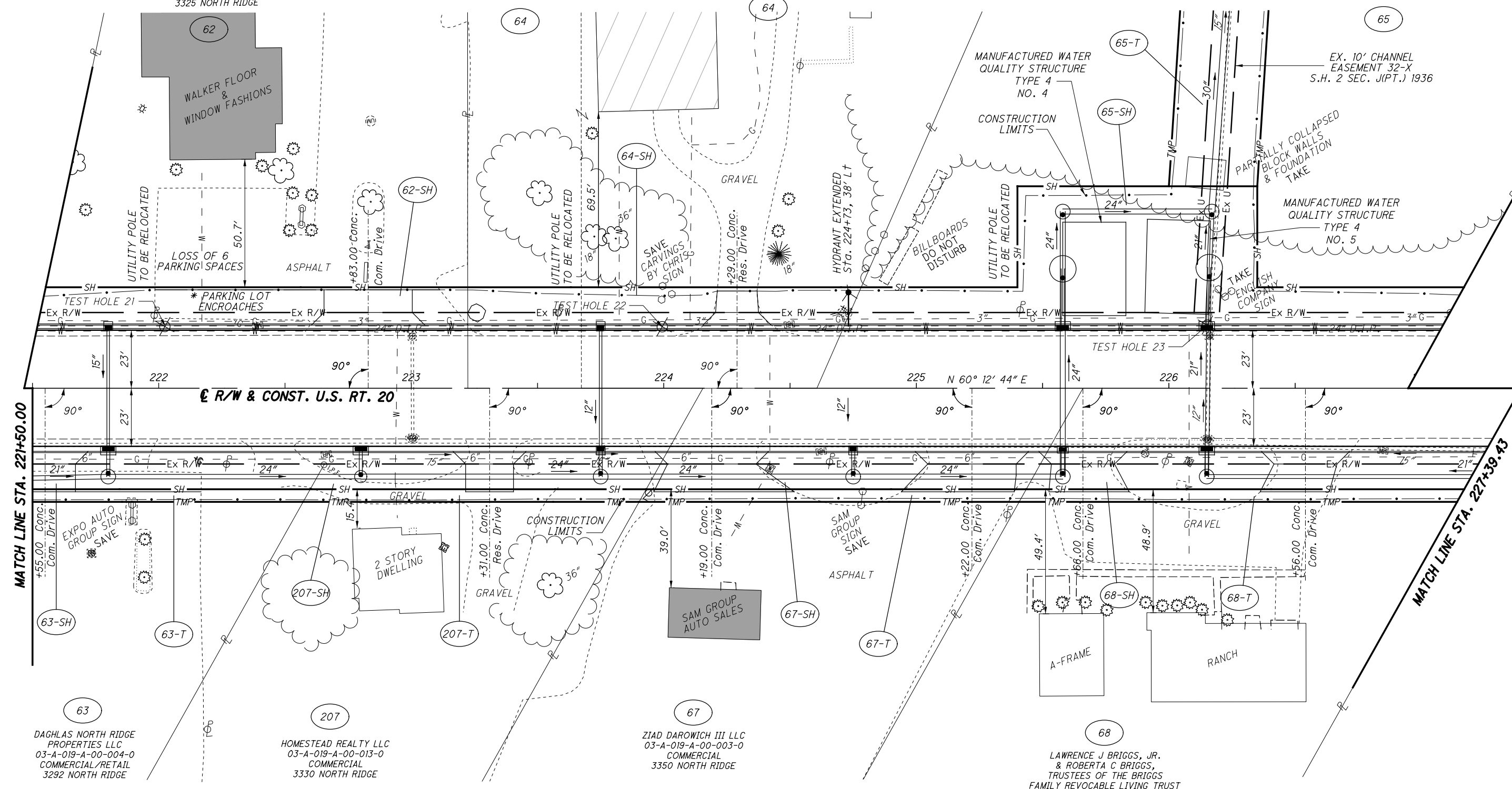
WALKER HOLDINGS LLC  
03-A-020-0-00-011-0  
COMMERCIAL  
3325 NORTH RIDGE

FRANK SAILORS TRUSTEE  
03-A-020-0-00-012-0  
RESIDENTIAL  
3331 NORTH RIDGE

FRANK SAILORS TRUSTEE  
OF THE SAILORS DESCENDENT  
IRREVOCABLE TRUST  
03-A-020-0-00-013-0  
RESIDENTIAL  
3331 NORTH RIDGE

FOR CONTINUATION OF  
PARCEL 65-T2  
SEE SHEET 162

J S ENGLISH CO. INC.  
03-A-020-0-00-014-0  
AGRICULTURAL VACANT LAND  
NORTH RIDGE



**STRUCTURE KEY**

[White Box]	RESIDENTIAL
[Grey Box]	COMMERCIAL
[Hatched Box]	OUT-BUILDING

TMM	01/13/22	ADD A DRIVERWAY ON PARCEL 63-SH
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
DATE COMPLETED		

**MONUMENT LEGEND**

- ◻ EXISTING R/W MONUMENT BOX
- ◻ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

NOTE: ALL STATION AND OFFSETS ARE BASED OFF THE C OF R/W

LAK-20-19.59  
PART OF LOT NO. 78  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

FOR CONTINUATION OF  
PARCEL 65-T2  
SEE SHEET 163

J S ENGLISH CO. INC.  
03-A-020-0-00-014-0  
AGRICULTURAL VACANT LAND  
NORTH RIDGE

EX. 10' CHANNEL  
EASEMENT 32-X  
S.H. 2 SEC. J(PT.) 1936

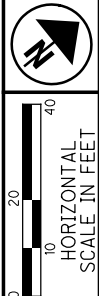
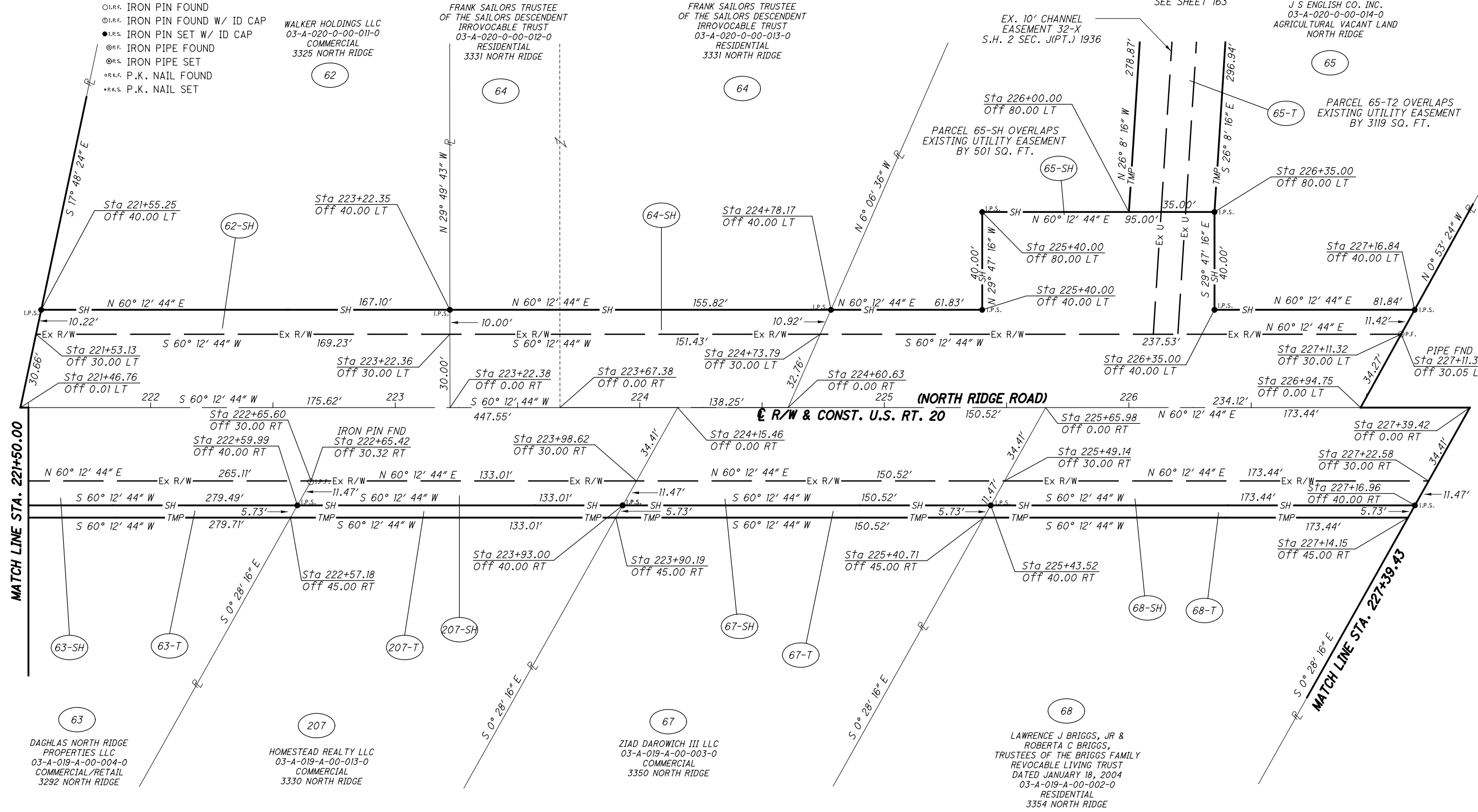
PARCEL 65-SH OVERLAPS  
EXISTING UTILITY EASEMENT  
BY 501 SQ. FT.

PARCEL 65-T2 OVERLAPS  
EXISTING UTILITY EASEMENT  
BY 3119 SQ. FT.

H:\2018\180743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RB020.dgn Sheet 7/15/2022 3:29:42 PM Troyer

MATCH LINE STA. 221+50.00

MATCH LINE STA. 227+39.43



PID NO. 108665

R/W DESIGNER PSL  
R/W REVIEWER TMM

RIGHT OF WAY BOUNDARY SHEET  
STA. 221+50.00 TO STA. 227+39.43

LAK-US-20-19.59  
PART 1

89 / 165

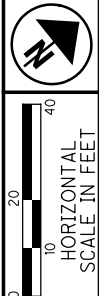
1125  
1253

REV. BY	DATE	DESCRIPTION



H:\2018\80743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\08665\_RT02.dgn Sheet 7/15/2022 3:29:44 PM troyer

LAK-20-19.59  
PART OF LOT NO. 78 & 77  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

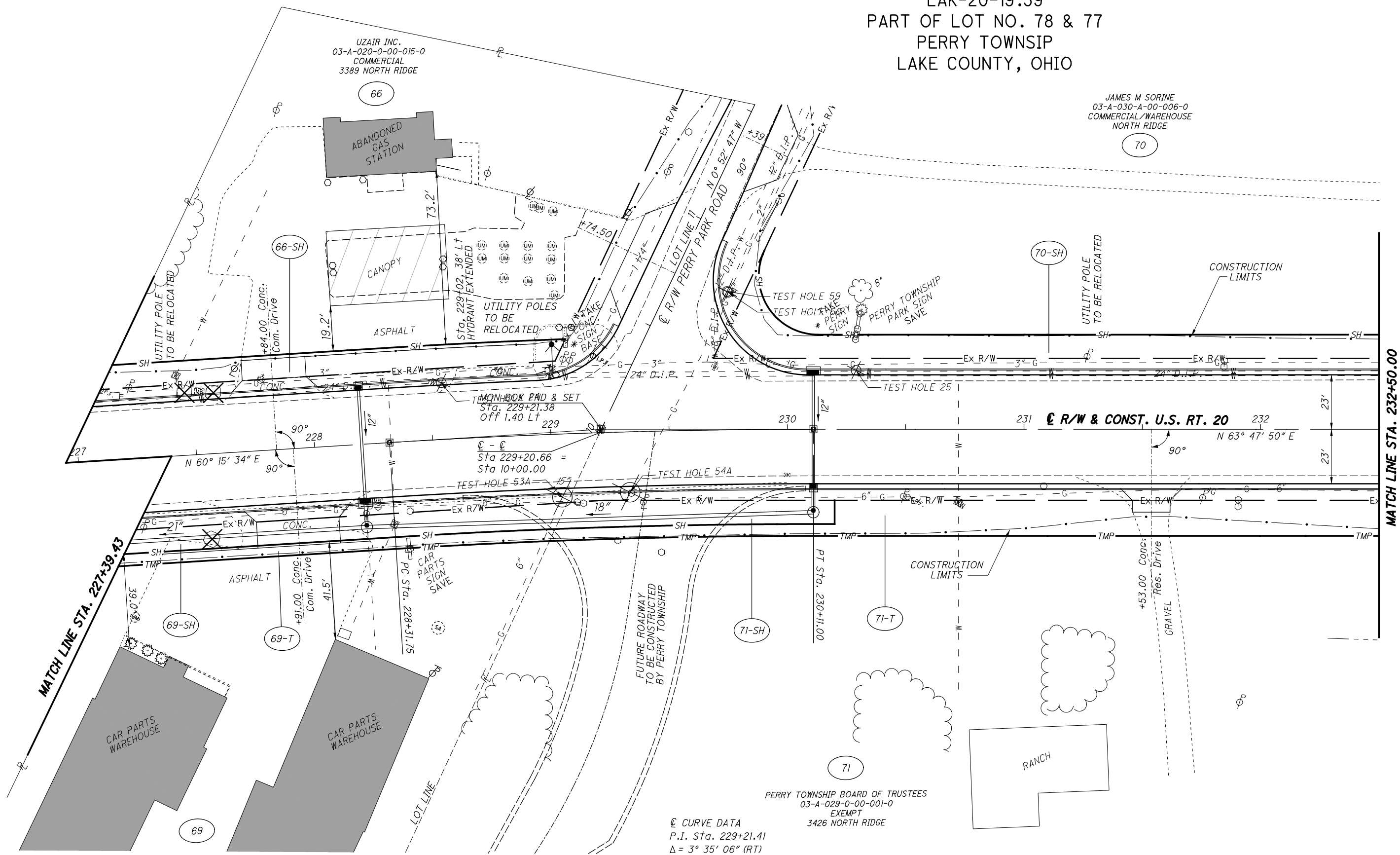


PID NO. 108665  
R/W DESIGNER PSL  
R/W REVIEWER TMM

RIGHT OF WAY TOPO SHEET  
STA. 227+39.43 TO STA. 232+50.00

LAK-US-20-19.59  
PART 1

90/165  
1126  
1253



**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

DIFIORE FAMILY PROPERTIES, LLC  
03-A-019-A-00-001-0  
COMMERCIAL/GARAGES  
3380 NORTH RIDGE

⊙ CURVE DATA  
P.I. Sta. 229+21.41  
Δ = 3° 35' 06" (RT)  
Dc = 2° 00' 00"  
R = 2,864.79'  
T = 89.66'  
L = 179.25'  
E = 1.40'  
C = 179.22'  
C.B. = N 62° 00' 17" E

REV. BY	DATE	DESCRIPTION
PSL	12/8/21	UPDATED OWNERSHIP PARCEL 69

H:\2018\180743\Project\Data\108665\_LAK\_20\_WEST\Design\RW\Sheets\108665.dgn Sheet 7/15/2022 3:29:45 PM troyer

**MONUMENT LEGEND**

- [ ] EXISTING R/W MONUMENT BOX
- [ ] PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⋈ RAILROAD SPIKE FOUND
- ⋈ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

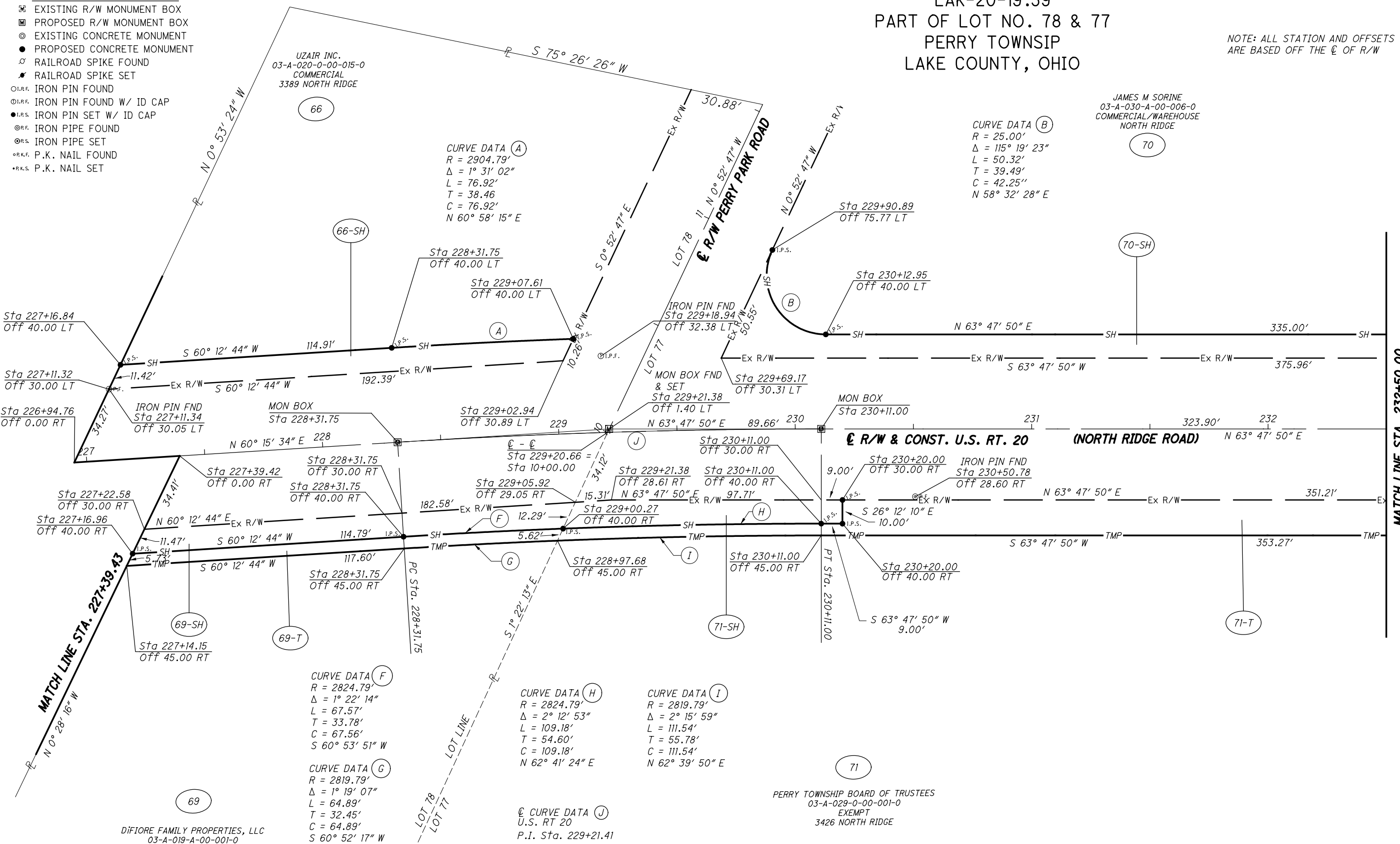
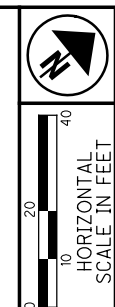
UZAIR INC.  
03-A-020-0-00-015-0  
COMMERCIAL  
3389 NORTH RIDGE

JAMES M SORINE  
03-A-030-A-00-006-0  
COMMERCIAL/WAREHOUSE  
NORTH RIDGE

PERRY TOWNSHIP BOARD OF TRUSTEES  
03-A-029-0-00-001-0  
EXEMPT  
3426 NORTH RIDGE

**LAK-20-19.59**  
**PART OF LOT NO. 78 & 77**  
**PERRY TOWNSHIP**  
**LAKE COUNTY, OHIO**

NOTE: ALL STATION AND OFFSETS ARE BASED OFF THE  $\mathcal{C}$  OF R/W



**CURVE DATA (A)**  
R = 2904.79'  
Δ = 1° 31' 02"  
L = 76.92'  
T = 38.46'  
C = 76.92'  
N 60° 58' 15" E

**CURVE DATA (B)**  
R = 25.00'  
Δ = 115° 19' 23"  
L = 50.32'  
T = 39.49'  
C = 42.25"  
N 58° 32' 28" E

**CURVE DATA (F)**  
R = 2824.79'  
Δ = 1° 22' 14"  
L = 67.57'  
T = 33.78'  
C = 67.56'  
S 60° 53' 51" W

**CURVE DATA (G)**  
R = 2819.79'  
Δ = 1° 19' 07"  
L = 64.89'  
T = 32.45'  
C = 64.89'  
S 60° 52' 17" W

**CURVE DATA (H)**  
R = 2824.79'  
Δ = 2° 12' 53"  
L = 109.18'  
T = 54.60'  
C = 109.18'  
N 62° 41' 24" E

**CURVE DATA (I)**  
R = 2819.79'  
Δ = 2° 15' 59"  
L = 111.54'  
T = 55.78'  
C = 111.54'  
N 62° 39' 50" E

**⊙ CURVE DATA (J)**  
U.S. RT 20  
P.I. Sta. 229+21.41  
Δ = 3° 35' 06" (RT)  
Dc = 2° 00' 00"  
R = 2,864.79'  
T = 89.66'  
L = 179.25'  
E = 1.40'  
C = 179.22'  
C.B. = N 62° 00' 17" E

MATCH LINE STA. 232+50.00

MATCH LINE STA. 227+39.43

PID NO. 108665

R/W DESIGNER PSL TMM

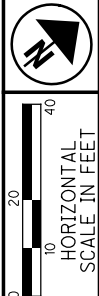
RIGHT OF WAY BOUNDARY SHEET  
STA. 227+39.43 TO STA. 232+50.00

LAK-US-20-19.59  
PART 1

REV. BY	DATE	DESCRIPTION
PSL	12/8/21	UPDATED OWNERSHIP PARCEL 69

91 / 165  
1127  
1253

LAK-20-19.59  
 PART OF LOT NO. 78 & 77  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



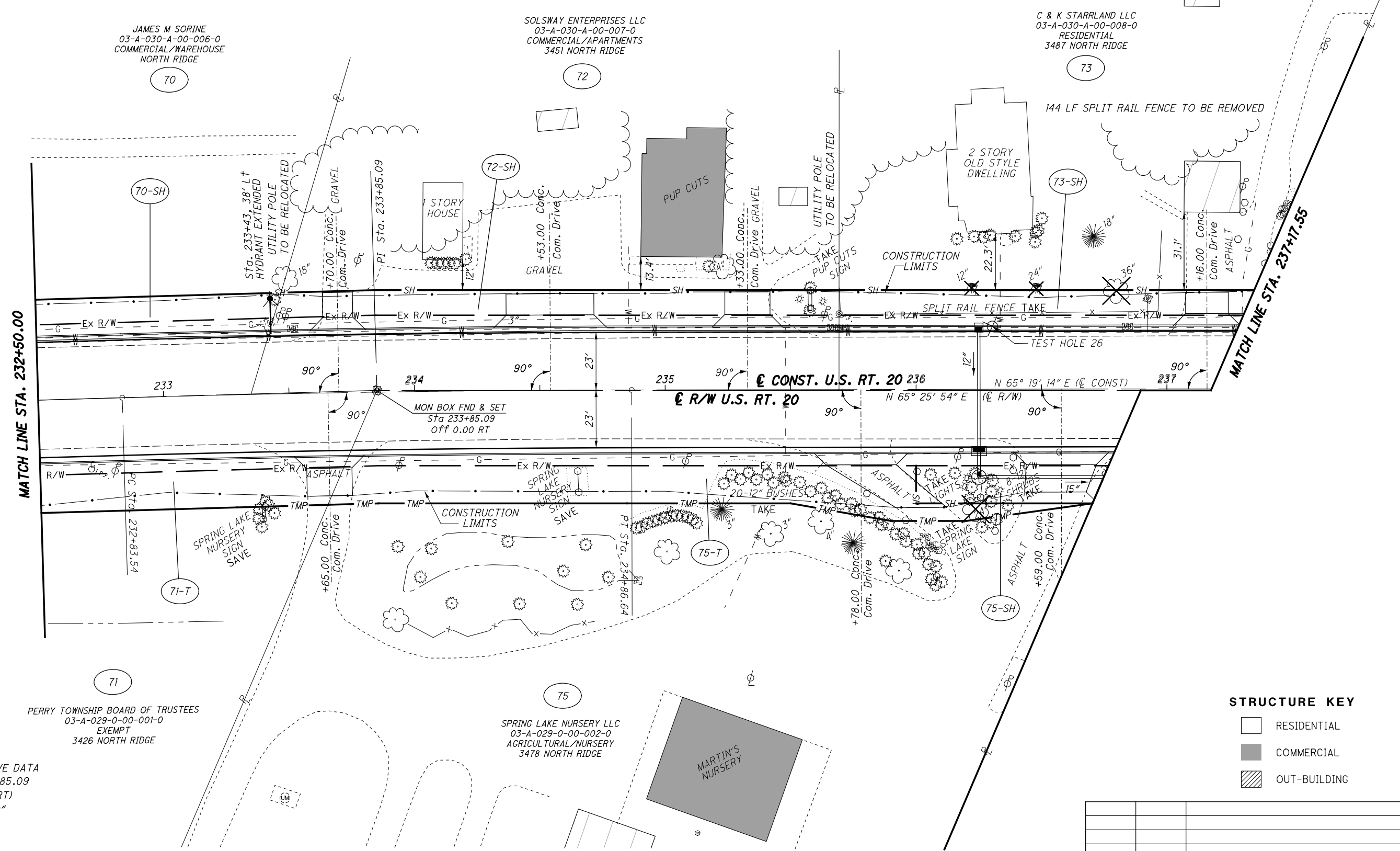
PID NO. **108665**  
 R/W DESIGNER PSJ  
 R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 232+50.00 TO STA. 237+17.55**

**LAK-US-20-19.59**  
**PART 1**

92 / 165

1128  
 1253



JAMES M SORINE  
 03-A-030-A-00-006-0  
 COMMERCIAL/WAREHOUSE  
 NORTH RIDGE

SOLSWAY ENTERPRISES LLC  
 03-A-030-A-00-007-0  
 COMMERCIAL/APARTMENTS  
 3451 NORTH RIDGE

C & K STARRLAND LLC  
 03-A-030-A-00-008-0  
 RESIDENTIAL  
 3487 NORTH RIDGE

PERRY TOWNSHIP BOARD OF TRUSTEES  
 03-A-029-0-00-001-0  
 EXEMPT  
 3426 NORTH RIDGE

SPRING LAKE NURSERY LLC  
 03-A-029-0-00-002-0  
 AGRICULTURAL/NURSERY  
 3478 NORTH RIDGE

**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

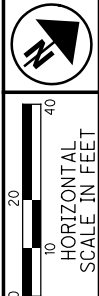
⊙ CONST. CURVE DATA  
 P.I. Sta. 233+85.09  
 $\Delta = 1^\circ 31' 24''$  (RT)  
 $D_c = 0^\circ 45' 00''$   
 $R = 7,639.44'$   
 $T = 101.56'$   
 $L = 203.10'$   
 $E = 0.68'$   
 $C = 203.10'$   
 $C.B. = N 64^\circ 33' 32'' E$

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 78 & 77  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE C/L OF R/W



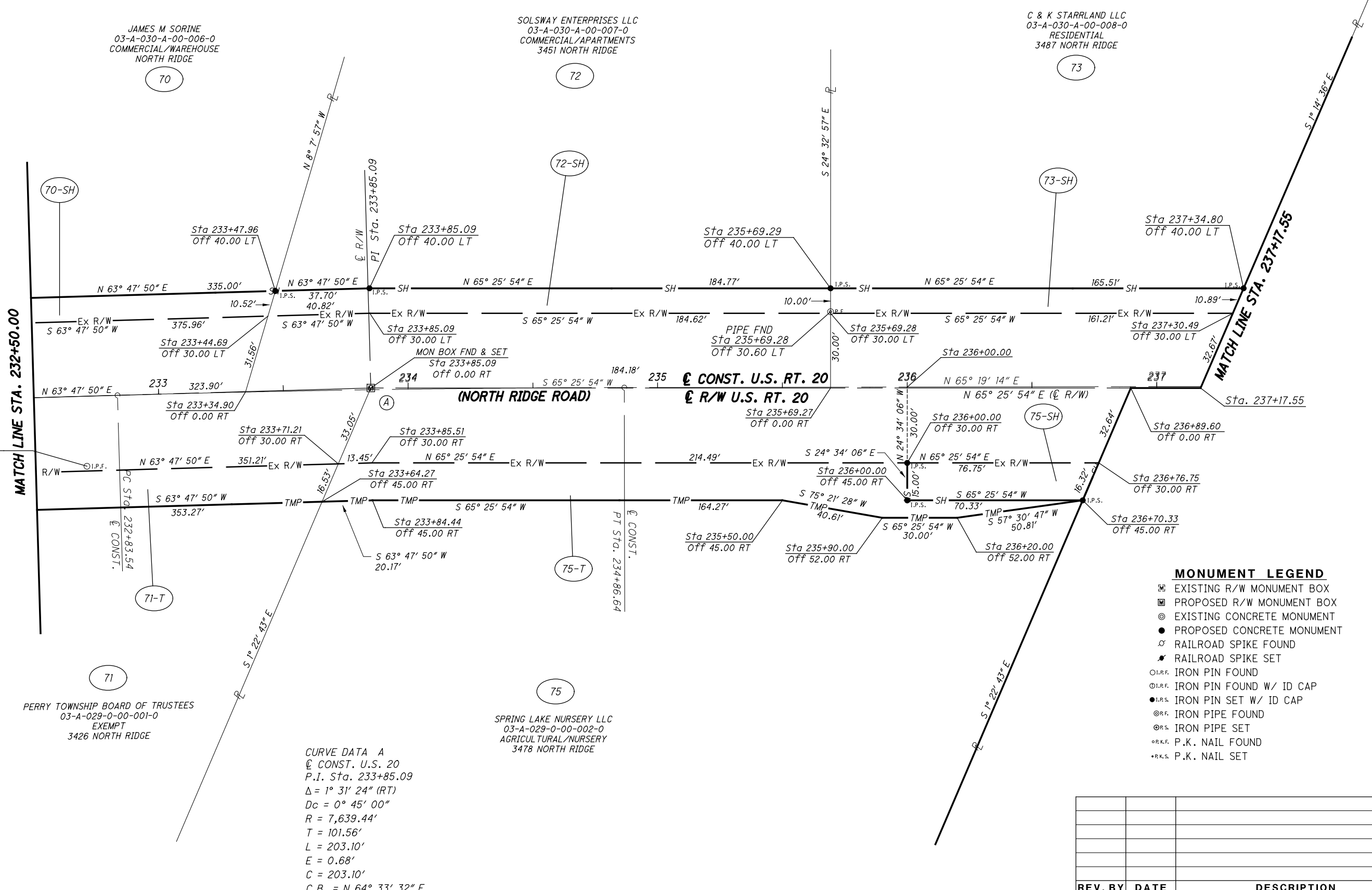
PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 232+50.00 TO STA. 237+17.55**

**LAK-US-20-19.59**  
**PART 1**

93 / 165

1129  
1253



- MONUMENT LEGEND**
- ▣ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⊗ RAILROAD SPIKE FOUND
  - ⊗ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.S. IRON PIPE FOUND
  - ⊙ I.P.S. IRON PIPE SET
  - ⊙ R.K.F. P.K. NAIL FOUND
  - ⊙ R.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 78 & 77  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

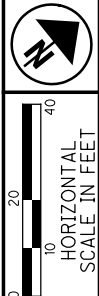
KENNETH E GOLDING  
& LINDA R GOLDING  
03-A-030-0-00-017-0  
AGRICULTURAL/FARM  
3237 NORTH RIDGE

D. J. SUTTON LLC  
03-A-030-A-00-010-0  
COMMERCIAL  
3505 NORTH RIDGE

FT & BB LLC  
03-A-030-A-00-009-0  
COMMERCIAL  
3497 NORTH RIDGE

RONKE CO LLC  
03-A-029-0-00-003-0  
AGRICULTURAL VACANT LAND  
NORTH RIDGE

H:\2018\180743\Projec+Data\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT023.dgn Sheet 7/15/2022 3:29:49 PM Troyer



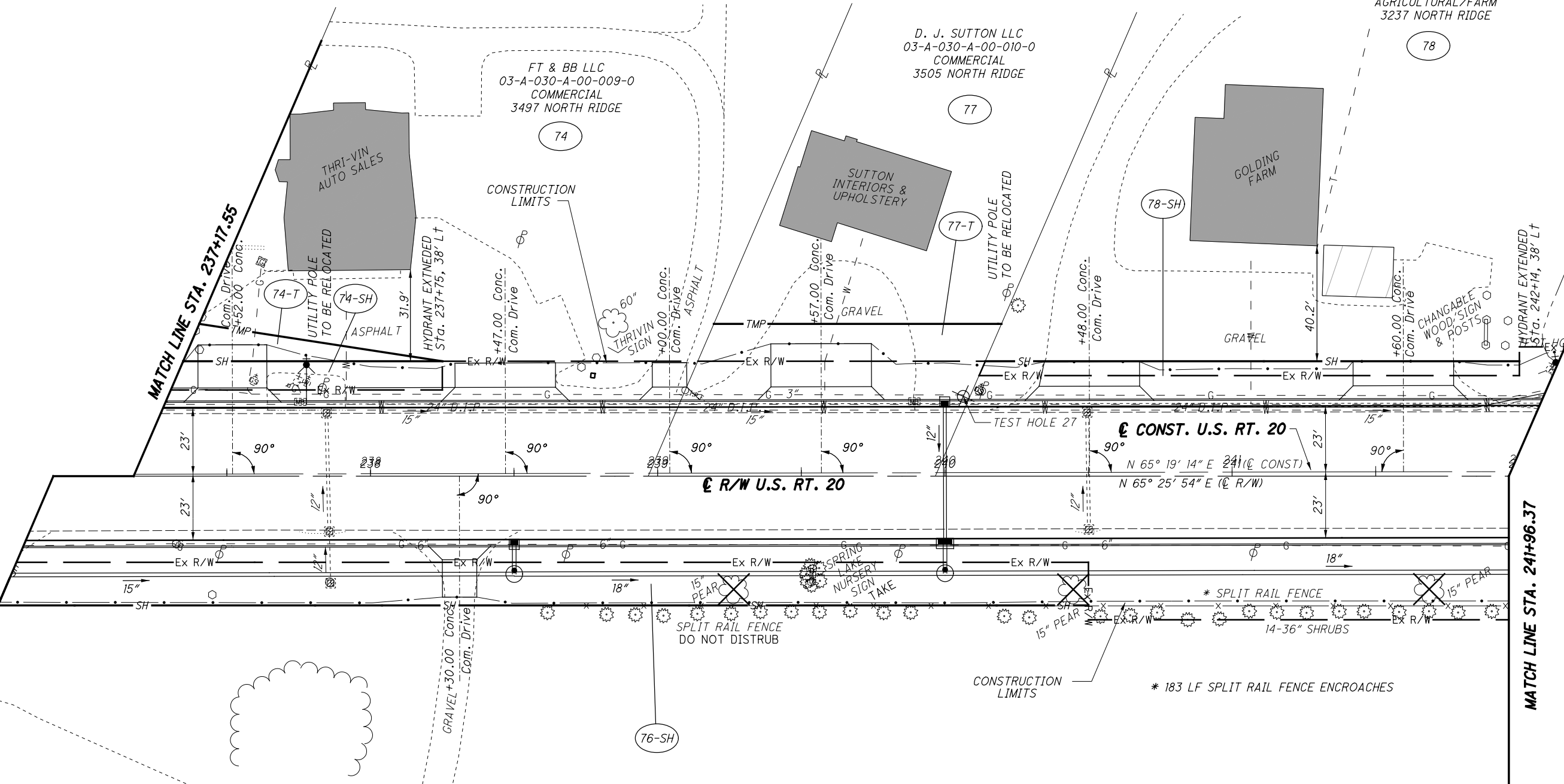
PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 237+17.55 TO STA. 241+96.37**

**LAK-US-20-19.59**  
**PART 1**

94/165

1130  
1253



**STRUCTURE KEY**

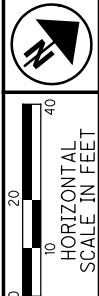
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION



H:\2018\80743\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT024.dgn Sheet 7/15/2022 3:29:51PM troyer

LAK-20-19.59  
PART OF LOT NO. 77  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**

R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 241+96.37 TO STA. 247+33.70**

**LAK-US-20-19.59**  
**PART 1**

96/165

1132  
1253

LAKE ERIE COMMERCIAL  
MANAGEMENT LLC  
03-A-030-0-00-018-0  
INDUSTRIAL/SMALL SHOPS  
3543 NORTH RIDGE

JP MORGAN CHASE,  
NATIONAL ASSOCIATION  
03-A-030-0-00-014-0  
MIXED RESIDENTIAL/COMM.  
3537 NORTH RIDGE

JAMES A FORSYTHE  
03-A-030-0-00-013-0  
RESIDENTIAL  
3547 NORTH RIDGE

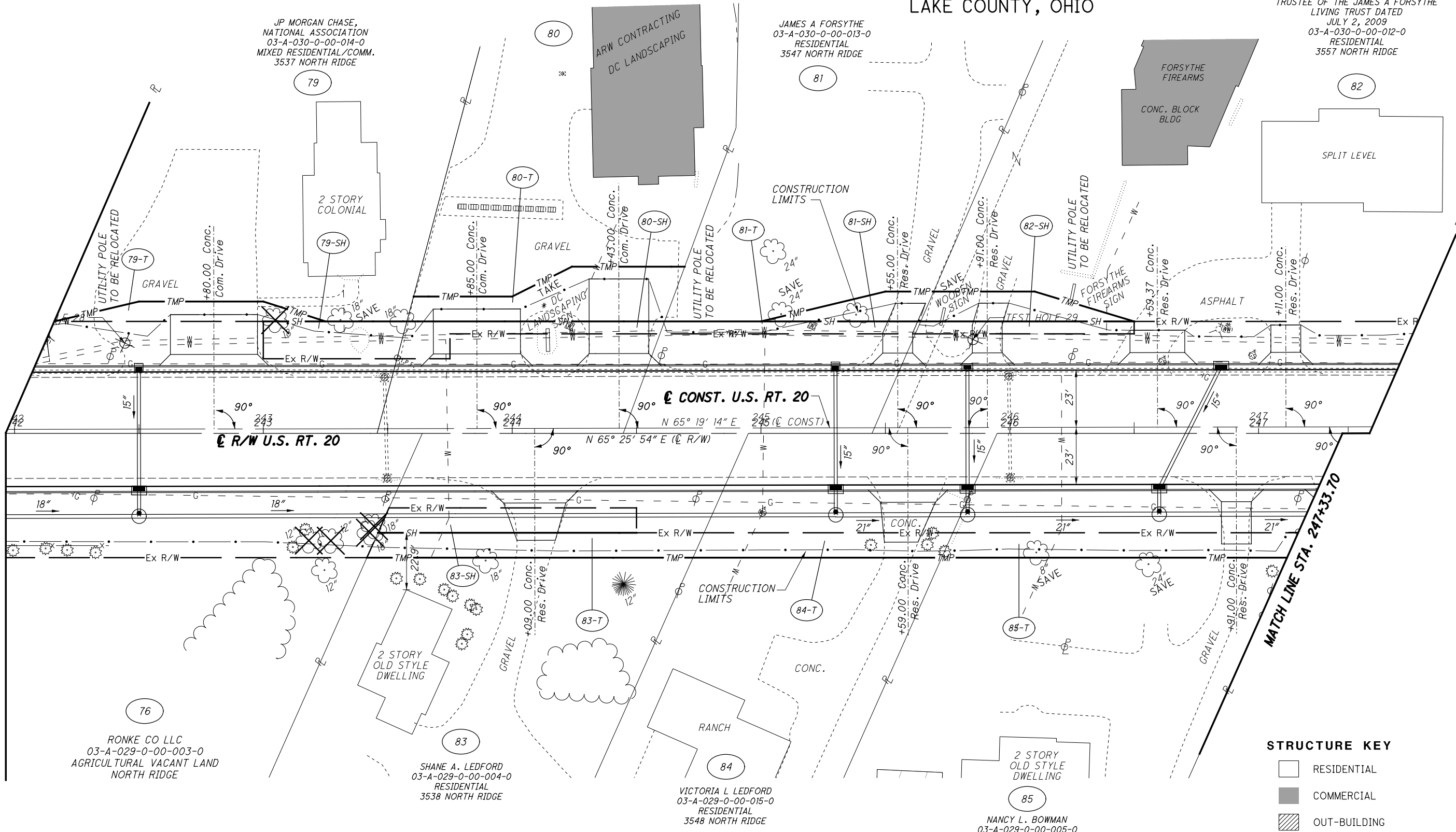
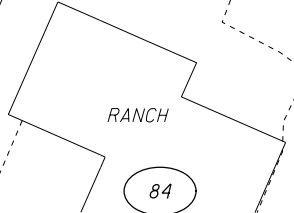
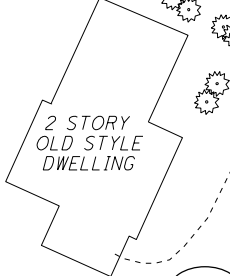
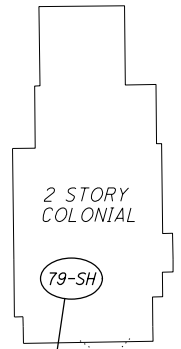
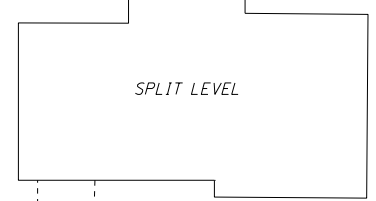
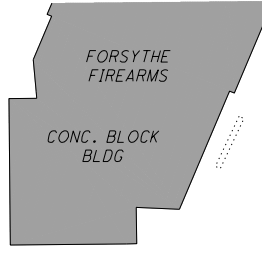
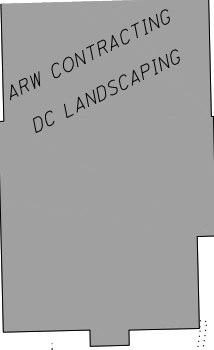
JAMES A FORSYTHE  
TRUSTEE OF THE JAMES A FORSYTHE  
LIVING TRUST DATED  
JULY 2, 2009  
03-A-030-0-00-012-0  
RESIDENTIAL  
3557 NORTH RIDGE

RONKE CO LLC  
03-A-029-0-00-003-0  
AGRICULTURAL VACANT LAND  
NORTH RIDGE

SHANE A. LEDFORD  
03-A-029-0-00-004-0  
RESIDENTIAL  
3538 NORTH RIDGE

VICTORIA L LEDFORD  
03-A-029-0-00-015-0  
RESIDENTIAL  
3548 NORTH RIDGE

NANCY L. BOWMAN  
03-A-029-0-00-005-0  
RESIDENTIAL  
3566 NORTH RIDGE



**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

PSL	10/13/21	REVISED OWNERSHIP PARCEL 79
PSL	12/8/21	REVISED OWNERSHIP PARCEL 80

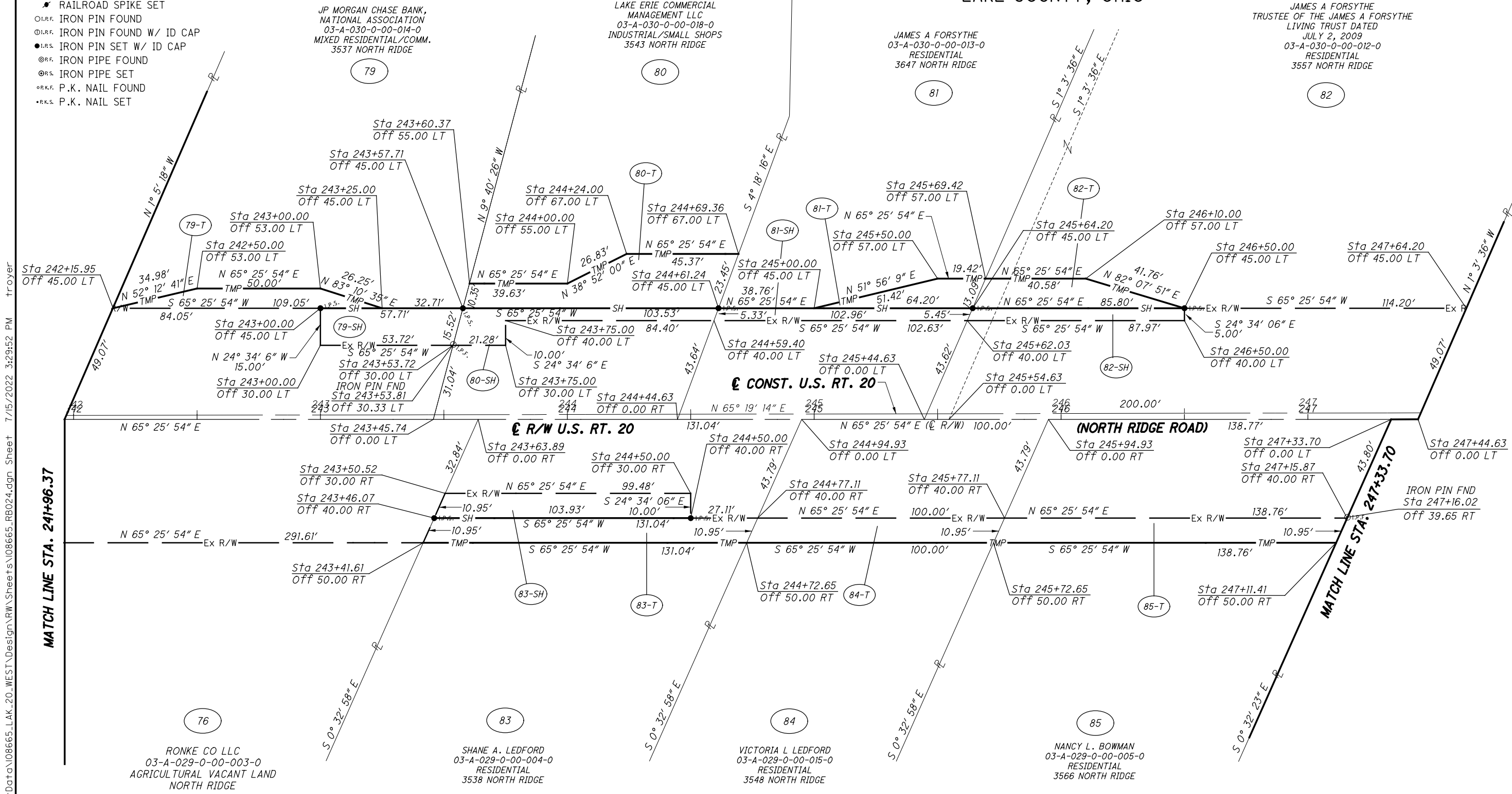
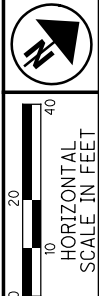
REV. BY	DATE	DESCRIPTION

**MONUMENT LEGEND**

- ◻ EXISTING R/W MONUMENT BOX
- ◻ PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ♣ RAILROAD SPIKE FOUND
- ♣ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ◐ I.P.F. IRON PIN FOUND W/ ID CAP
- ◑ I.P.S. IRON PIN SET W/ ID CAP
- ◒ I.P.F. IRON PIPE FOUND
- ◓ I.P.S. IRON PIPE SET
- ◔ P.K.F. P.K. NAIL FOUND
- ◕ P.K.S. P.K. NAIL SET

NOTE: ALL STATION AND OFFSETS ARE BASED OFF THE C OF R/W

**LAK-20-19.59  
PART OF LOT NO. 77  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO**



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PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 241+96.37 TO STA. 247+33.70**

**LAK-US-20-19.59**  
**PART 1**

PSL	10/13/21	REVISED OWNERSHIP PARCEL 79
PSL	12/8/21	REVISED OWNERSHIP PARCEL 80
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
DATE COMPLETED		

97/165  
1133  
1253



LAK-20-19.59  
PART OF LOT NO. 77  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

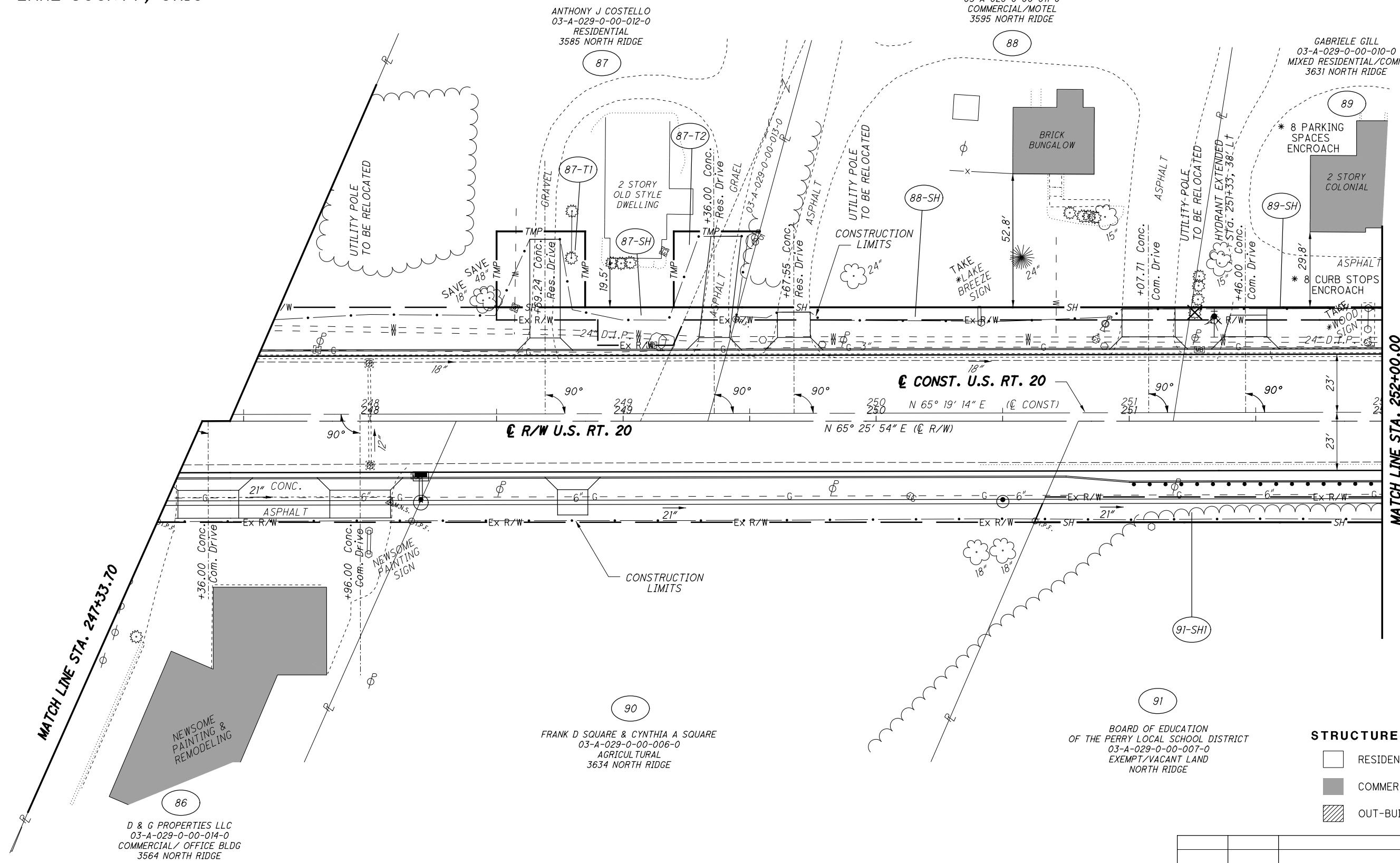
**RIGHT OF WAY TOPO SHEET**  
**STA. 247+33.70 TO STA. 252+00.00**

**LAK-US-20-19.59**  
**PART 1**

98 / 165

1134  
1253

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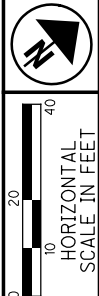
**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
PART OF LOT NO. 77  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE  $\bar{C}$  OF R/W



PID NO. **108665**  
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 247+33.70 TO STA. 252+00.00**

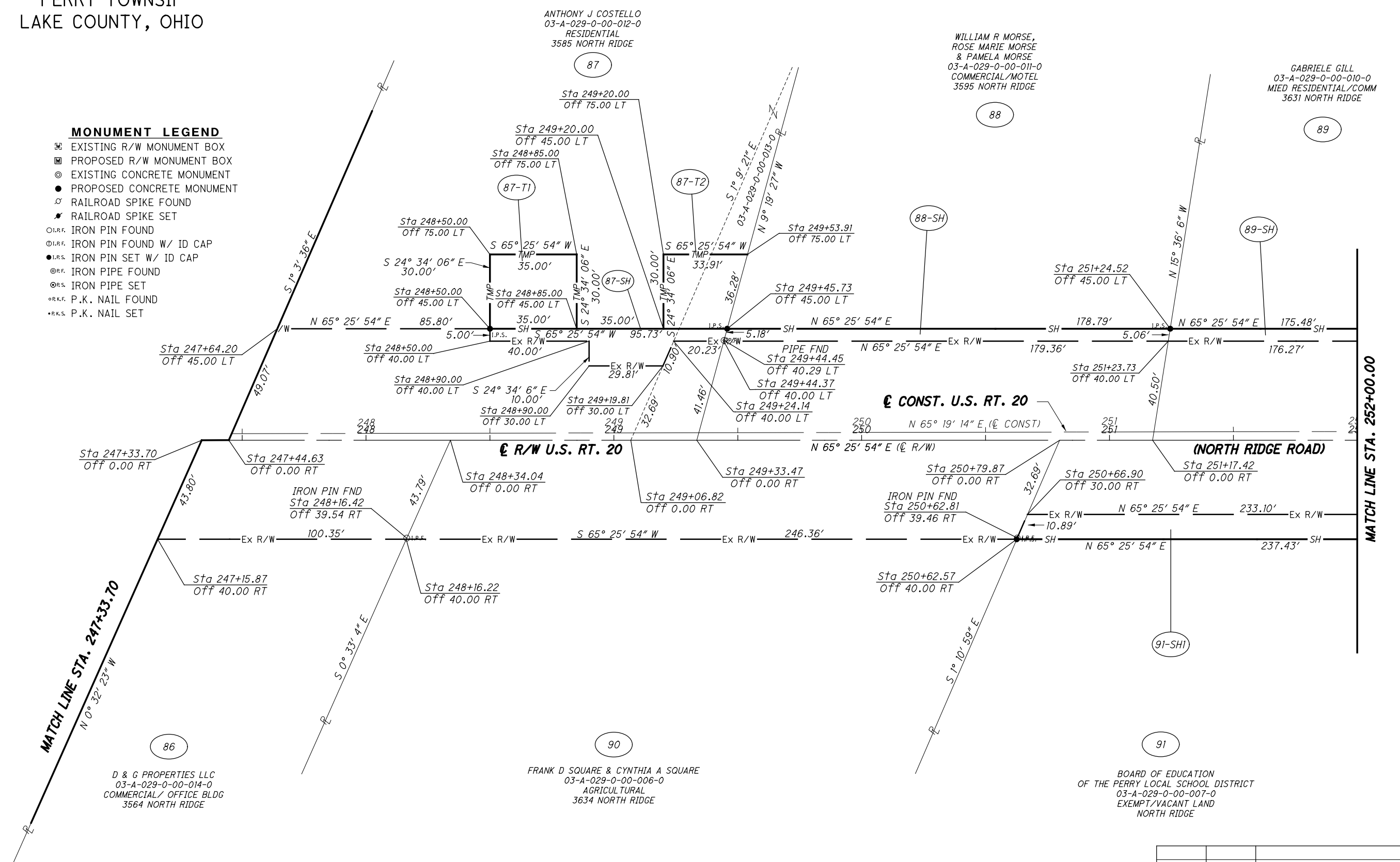
**LAK-US-20-19.59**  
**PART 1**

99 / 165

1135  
1253

**MONUMENT LEGEND**

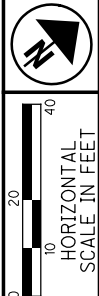
- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET



REV. BY	DATE	DESCRIPTION

H:\2018\180743\Project\Drawings\Design\RW\Sheets\108665\_LAK\_20\_WEST\Design\RW\Sheets\108665.dgn Sheet 7/15/2022 3:29:55 PM Troyer

LAK-20-19.59  
 PART OF LOT NO. 77 & 76  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



PID NO.  
**108665**

R/W DESIGNER  
 PSL

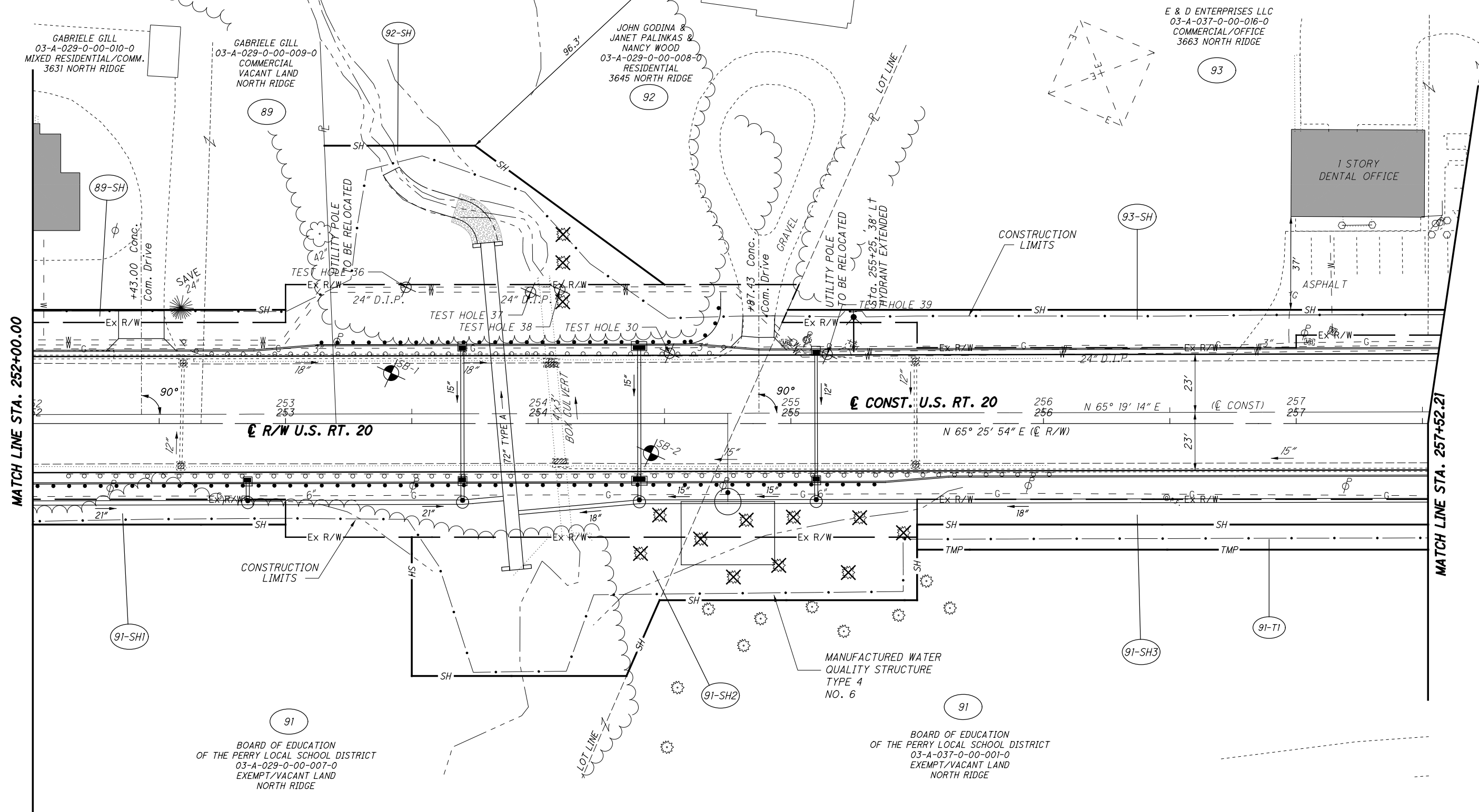
R/W REVIEWER  
 TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 252+00.00 TO STA. 257+52.21**

**LAK-US-20-19.59**  
**PART 1**

100/165

1136  
 1253



MATCH LINE STA. 252+00.00

MATCH LINE STA. 257+52.21

**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

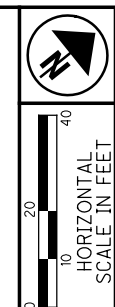
REV. BY	DATE	DESCRIPTION
PSL	11/10/21	ADDED PARKING SPACES FOR PARCEL 93

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LAK-20-19.59  
PART OF LOT NO. 77 & 76  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE C OF R/W

E & D ENTERPRISES LLC  
03-A-037-0-00-016-0  
COMMERCIAL/OFFICE  
3663 NORTH RIDGE

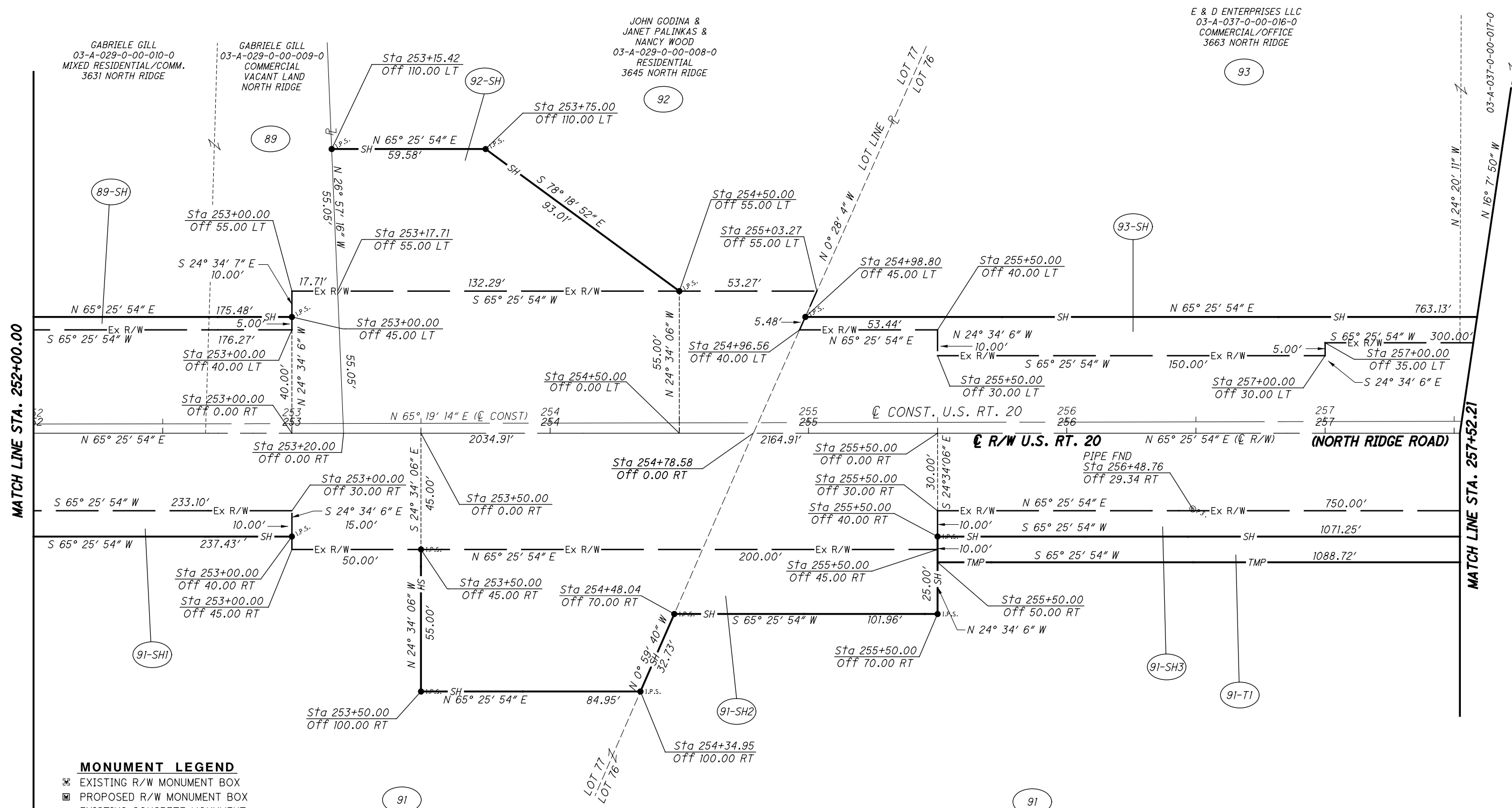


PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 252+00.00 TO STA. 257+52.21**

**LAK-US-20-19.59**  
**PART 1**

101/165  
1137  
1253



GABRIELE GILL  
03-A-029-0-00-010-0  
MIXED RESIDENTIAL/COMM.  
3631 NORTH RIDGE

GABRIELE GILL  
03-A-029-0-00-009-0  
COMMERCIAL  
VACANT LAND  
NORTH RIDGE

JOHN GODINA &  
JANET PALINKAS &  
NANCY WOOD  
03-A-029-0-00-008-0  
RESIDENTIAL  
3645 NORTH RIDGE

BOARD OF EDUCATION  
OF THE PERRY LOCAL SCHOOL DISTRICT  
03-A-029-0-00-007-0  
EXEMPT/VACANT LAND  
NORTH RIDGE

BOARD OF EDUCATION  
OF THE PERRY LOCAL SCHOOL DISTRICT  
03-A-037-0-00-001-0  
EXEMPT/VACANT LAND  
NORTH RIDGE

- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚓ RAILROAD SPIKE FOUND
  - ⚓ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.S. IRON PIPE FOUND
  - ⊙ I.P.S. IRON PIPE SET
  - ⊙ P.K.F. P.K. NAIL FOUND
  - P.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 76  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**

R/W DESIGNER: PSL  
R/W REVIEWER: TMM

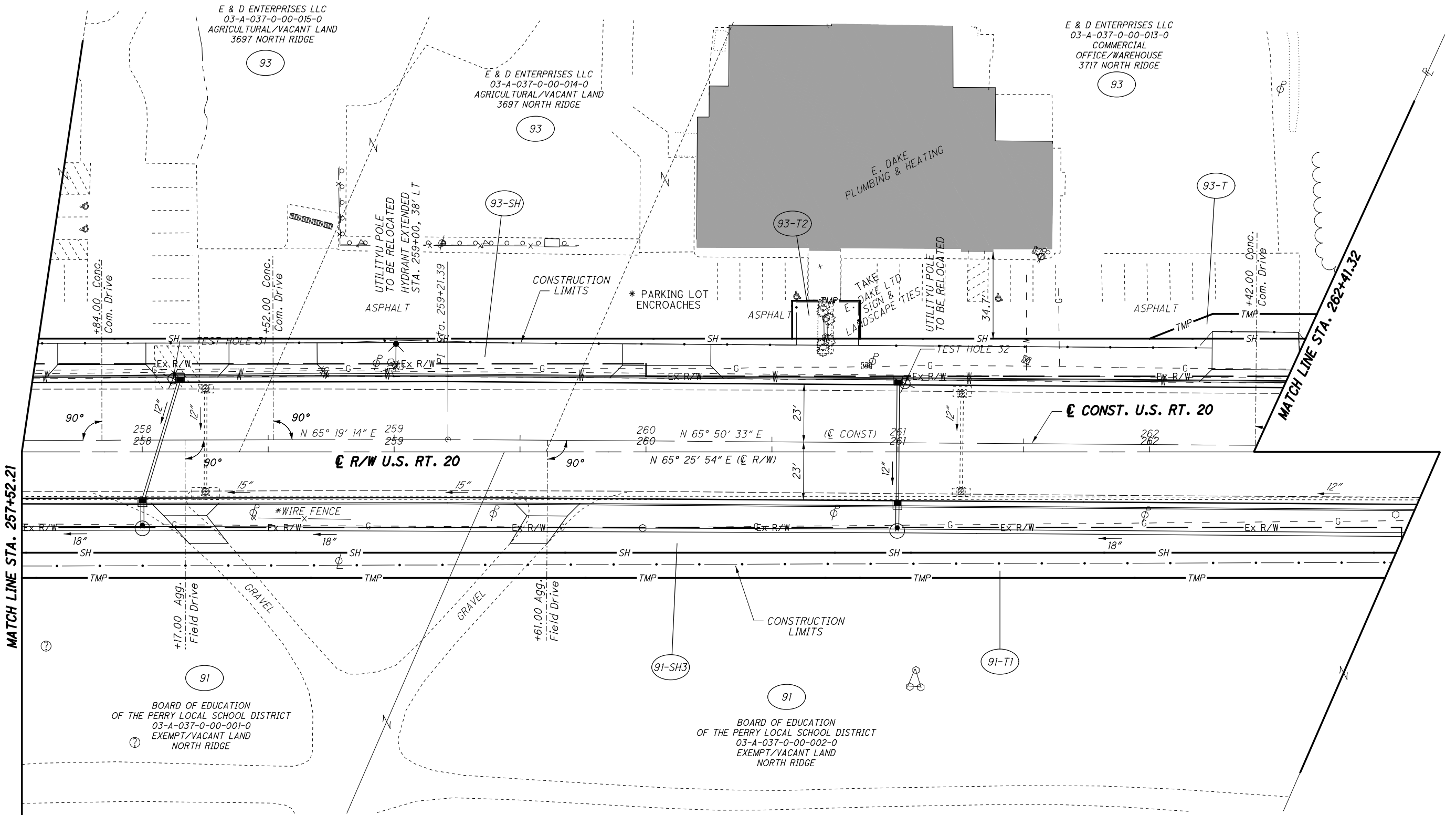
**RIGHT OF WAY TOPO SHEET**  
**STA. 257+52.21 TO STA. 262+41.32**

**LAK-US-20-19.59**  
**PART 1**

102/165

1138  
1253

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**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

PSL	11/10/21	ADDED PARKING SPACES TO PARCEL 93
TMM	2/17/22	ADDED PARCEL 93-T2
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
DATE COMPLETED		

LAK-20-19.59  
 PART OF LOT NO. 76  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS  
 ARE BASED OFF THE C OF R/W



PID NO.  
**108665**

R/W DESIGNER  
 PSL  
 R/W REVIEWER  
 TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 257+52.21 TO STA. 262+41.32**

**LAK-US-20-19.59**  
**PART 1**

103/165

1139  
 1253

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E & D ENTERPRISES LLC  
 03-A-037-0-00-015-0  
 AGRICULTURAL/VACANT LAND  
 3697 NORTH RIDGE

E & D ENTERPRISES LLC  
 03-A-037-0-00-014-0  
 AGRICULTURAL/VACANT LAND  
 3697 NORTH RIDGE

E & D ENTERPRISES LLC  
 03-A-037-0-00-013-0  
 COMMERCIAL  
 OFFICE/WAREHOUSE  
 3717 NORTH RIDGE

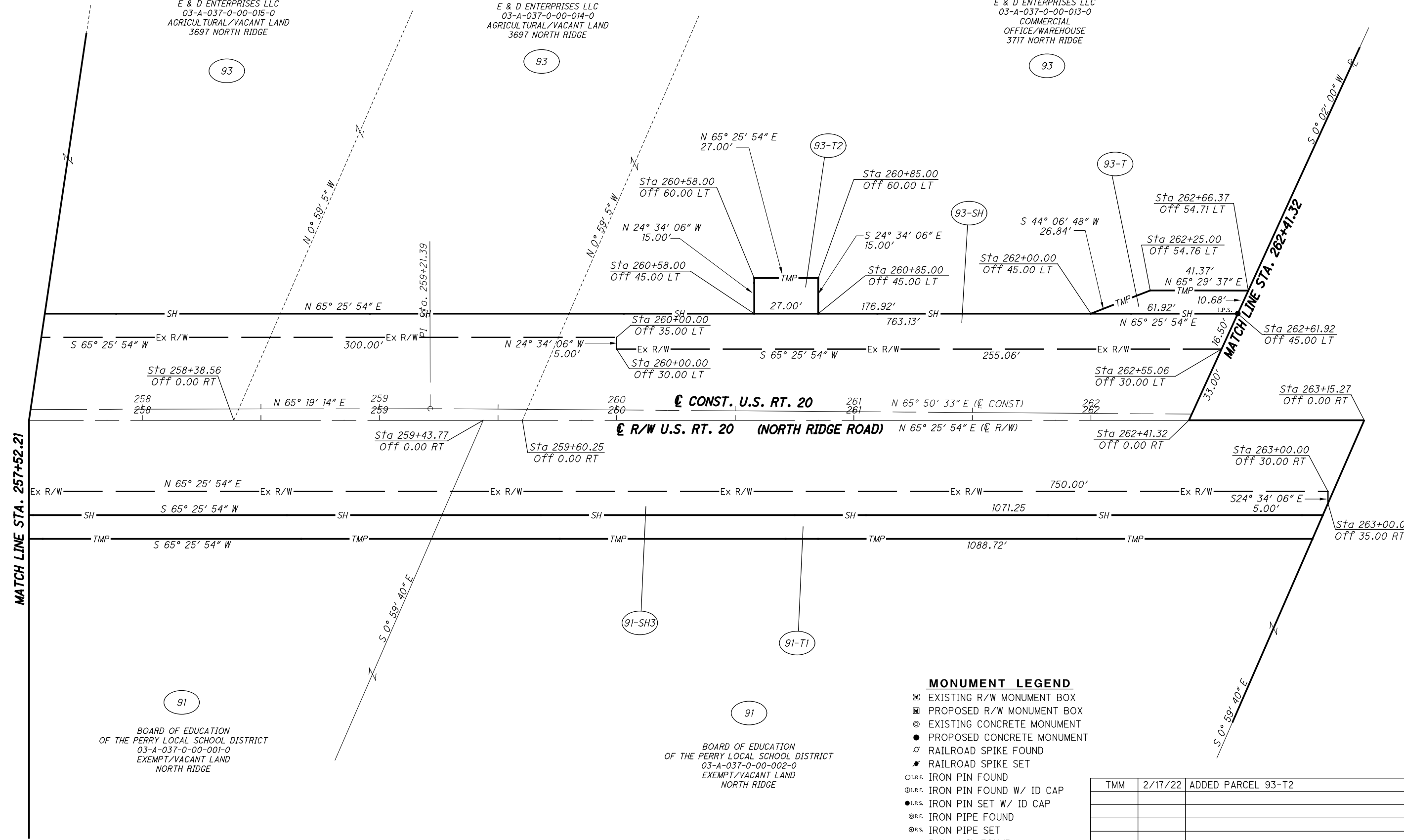
BOARD OF EDUCATION  
 OF THE PERRY LOCAL SCHOOL DISTRICT  
 03-A-037-0-00-001-0  
 EXEMPT/VACANT LAND  
 NORTH RIDGE

BOARD OF EDUCATION  
 OF THE PERRY LOCAL SCHOOL DISTRICT  
 03-A-037-0-00-002-0  
 EXEMPT/VACANT LAND  
 NORTH RIDGE

**MONUMENT LEGEND**

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET

REV. BY	DATE	DESCRIPTION
TMM	2/17/22	ADDED PARCEL 93-T2



LAK-20-19.59  
PART OF LOT NO. 76  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO.  
**108665**

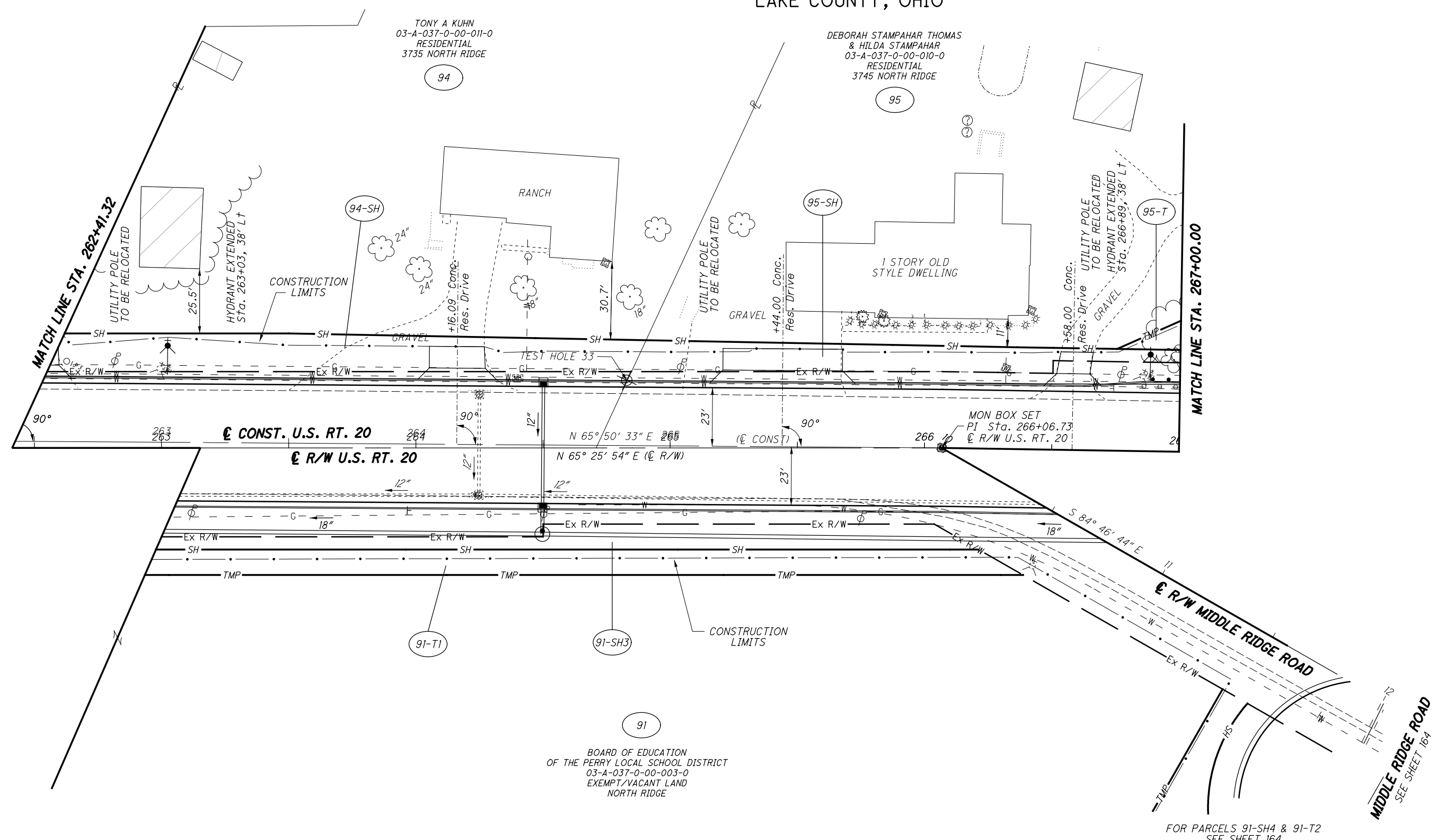
R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 257+52.21 TO STA. 262+41.32**

**LAK-US-20-19.59**  
**PART 1**

104/165

1140  
1253



**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

TMM	1/20/22	WIDENED THE DRIVEWAY ON PARCEL 95
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>
DATE COMPLETED		

FOR PARCELS 91-SH4 & 91-T2  
SEE SHEET 164

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PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

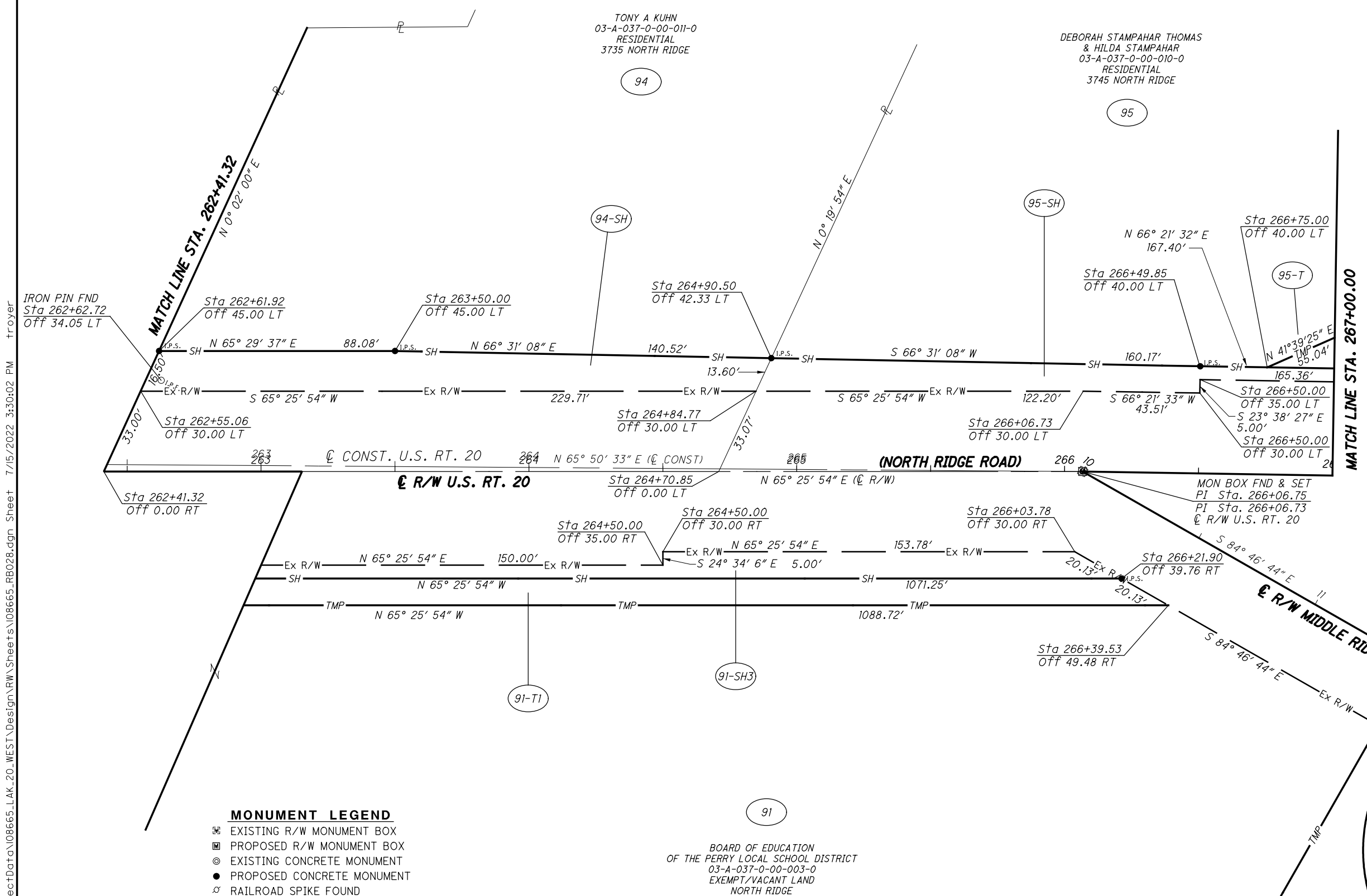
**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 257+52.21 TO STA. 262+41.32**

**LAK-US-20-19.59**  
**PART 1**

105/165

1141  
1253

NOTE: ALL STATION AND OFFSETS ARE BASED OFF THE  $\ell$  OF R/W



- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚡ RAILROAD SPIKE FOUND
  - ⚡ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - I.P.F. IRON PIPE FOUND
  - I.P.S. IRON PIPE SET
  - P.K.F. P.K. NAIL FOUND
  - P.K.S. P.K. NAIL SET

91  
BOARD OF EDUCATION  
OF THE PERRY LOCAL SCHOOL DISTRICT  
03-A-037-0-00-003-0  
EXEMPT/VACANT LAND  
NORTH RIDGE

FOR PARCELS 91-SH4 & 91-T2  
SEE SHEET 165

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 76  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

DEBORAH STAMPAHAR THOMAS  
& HILDA STAMPAHAR  
03-A-037-0-00-010-0  
RESIDENTIAL  
3745 NORTH RIDGE

ROBERT R SMITH & JEAN C SMITH  
03-A-038-0-00-004-0  
RESIDENTIAL  
3787 NORTH RIDGE

RUTH ANN SPIESMAN  
& MARJORIE ROSE  
SPIESMAN  
03-A-038-0-00-005-0  
RESIDENTIAL  
NORTH RIDGE

95

97

99

MATCH LINE STA. 267+00.00

MATCH LINE STA. 271+50.00

R/W & CONST. U.S. RT. 20

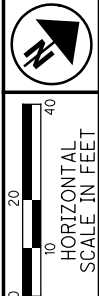
R/W MIDDLE RIDGE ROAD

MIDDLE RIDGE ROAD  
SEE SHEET 164

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION



PID NO. 108665  
R/W DESIGNER PSL  
R/W REVIEWER TMM

RIGHT OF WAY TOPO SHEET  
STA. 267+00.00 TO STA. 271+50.00

LAK-US-20-19.59  
PART 1

106/165

1142  
1253

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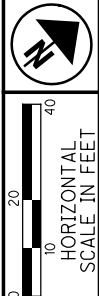
LAK-20-19.59  
PART OF LOT NO. 76  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS ARE BASED OFF THE  $\bar{C}$  OF R/W

DEBORAH STAMPAHAR THOMAS & HILDA STAMPAHAR  
03-A-037-0-00-010-0  
RESIDENTIAL  
3745 NORTH RIDGE

ROBERT R SMITH & JEAN C SMITH  
03-A-038-0-00-004-0  
RESIDENTIAL  
3787 NORTH RIDGE

RUTH ANN SPIESMAN & MARJORIE ROSE SPIESMAN  
03-A-038-0-00-005-0  
RESIDENTIAL  
NORTH RIDGE



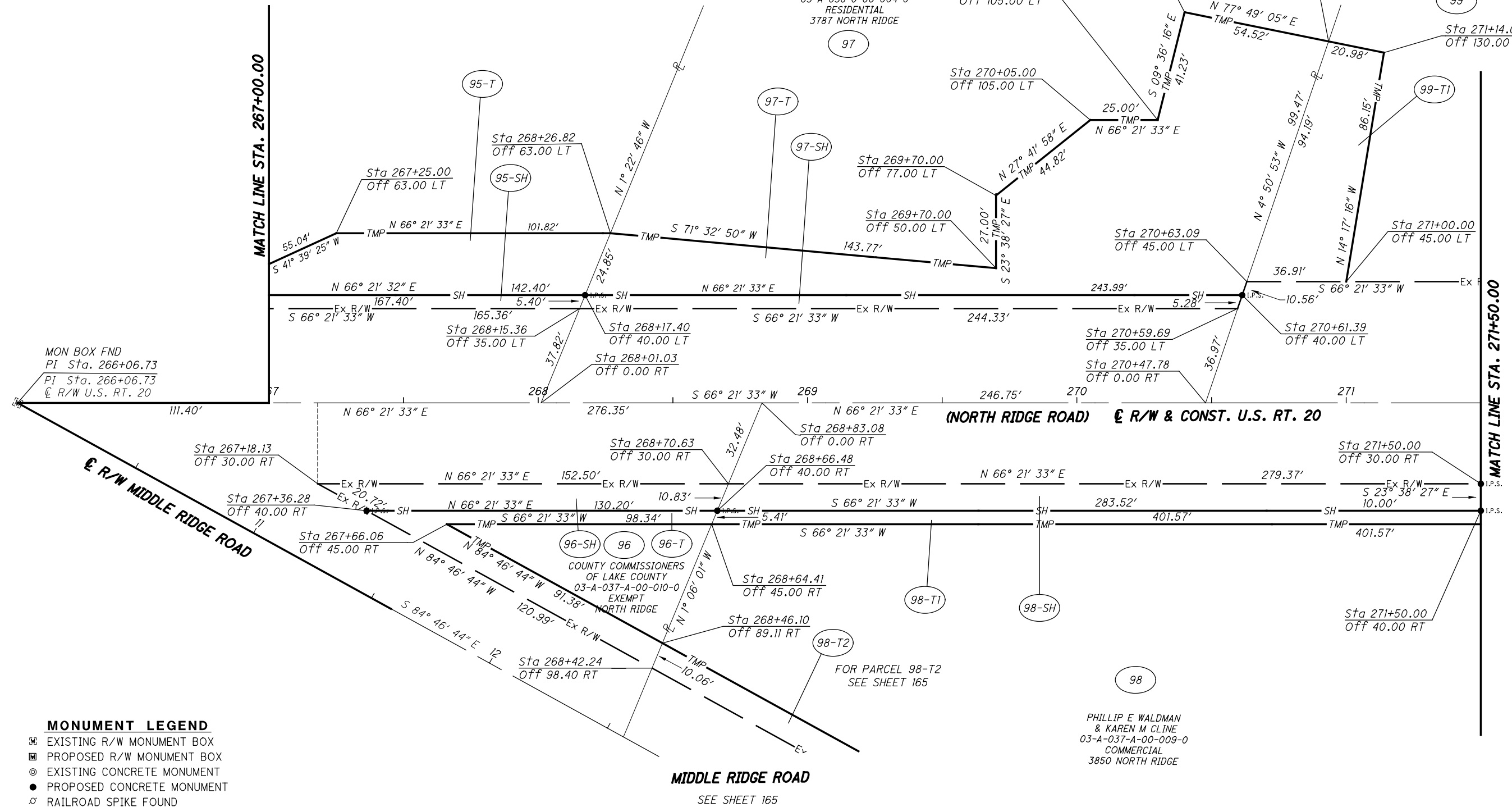
PID NO. 108665  
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

RIGHT OF WAY BOUNDARY SHEET  
STA. 267+00.00 TO STA. 271+50.00

LAK-US-20-19.59  
PART 1

107/165

1143  
1253

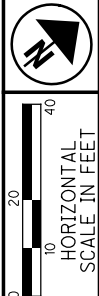


- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚓ RAILROAD SPIKE FOUND
  - ⚓ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.S. IRON PIPE FOUND
  - I.P.S. IRON PIPE SET
  - ⚓ P.K. NAIL FOUND
  - ⚓ P.K. NAIL SET

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 76  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO.  
**108665**

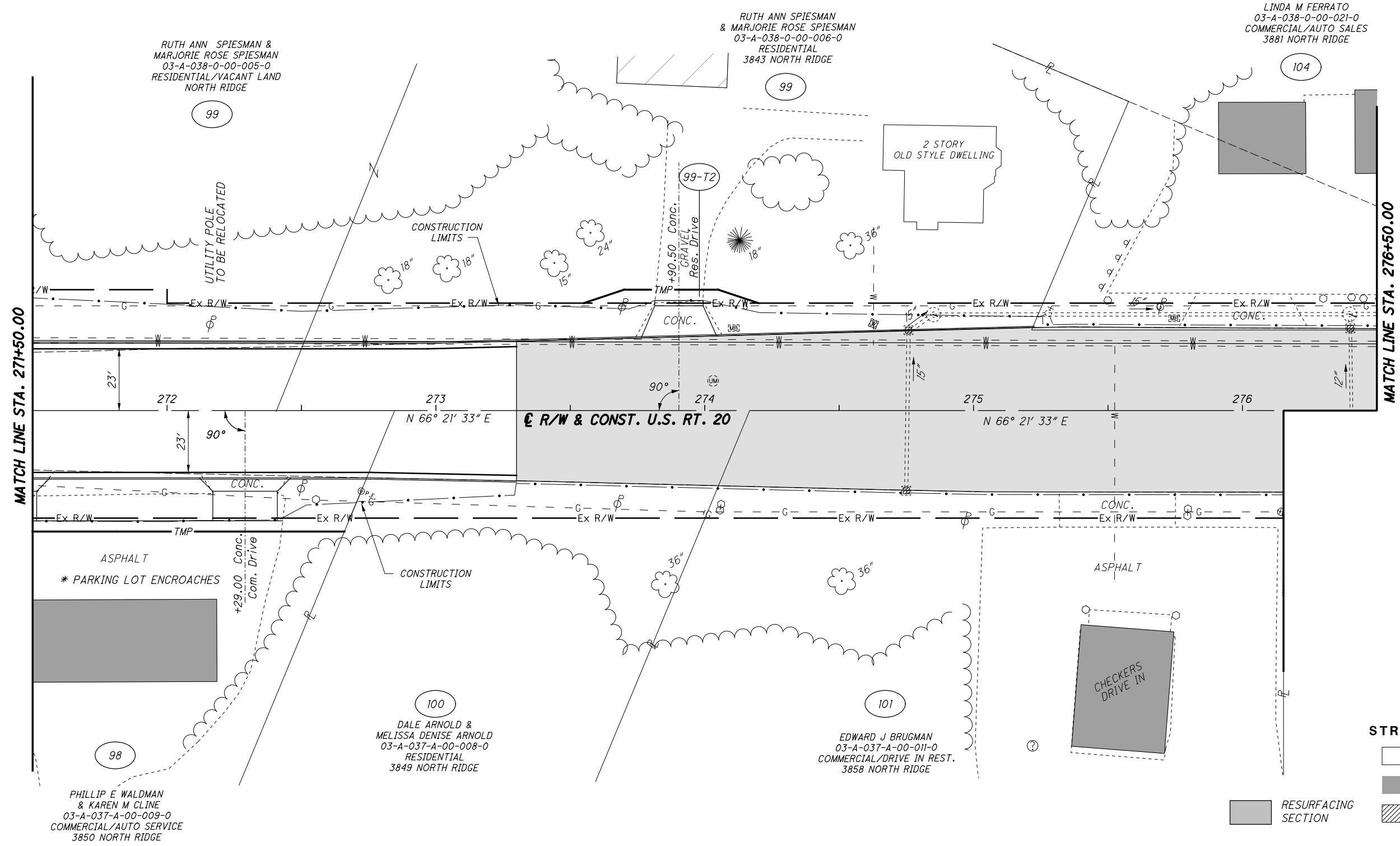
R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 271+50.00 TO STA. 276+50.00**

**LAK-US-20-19.59**  
**PART 1**

108/165

1144  
1253



**STRUCTURE KEY**

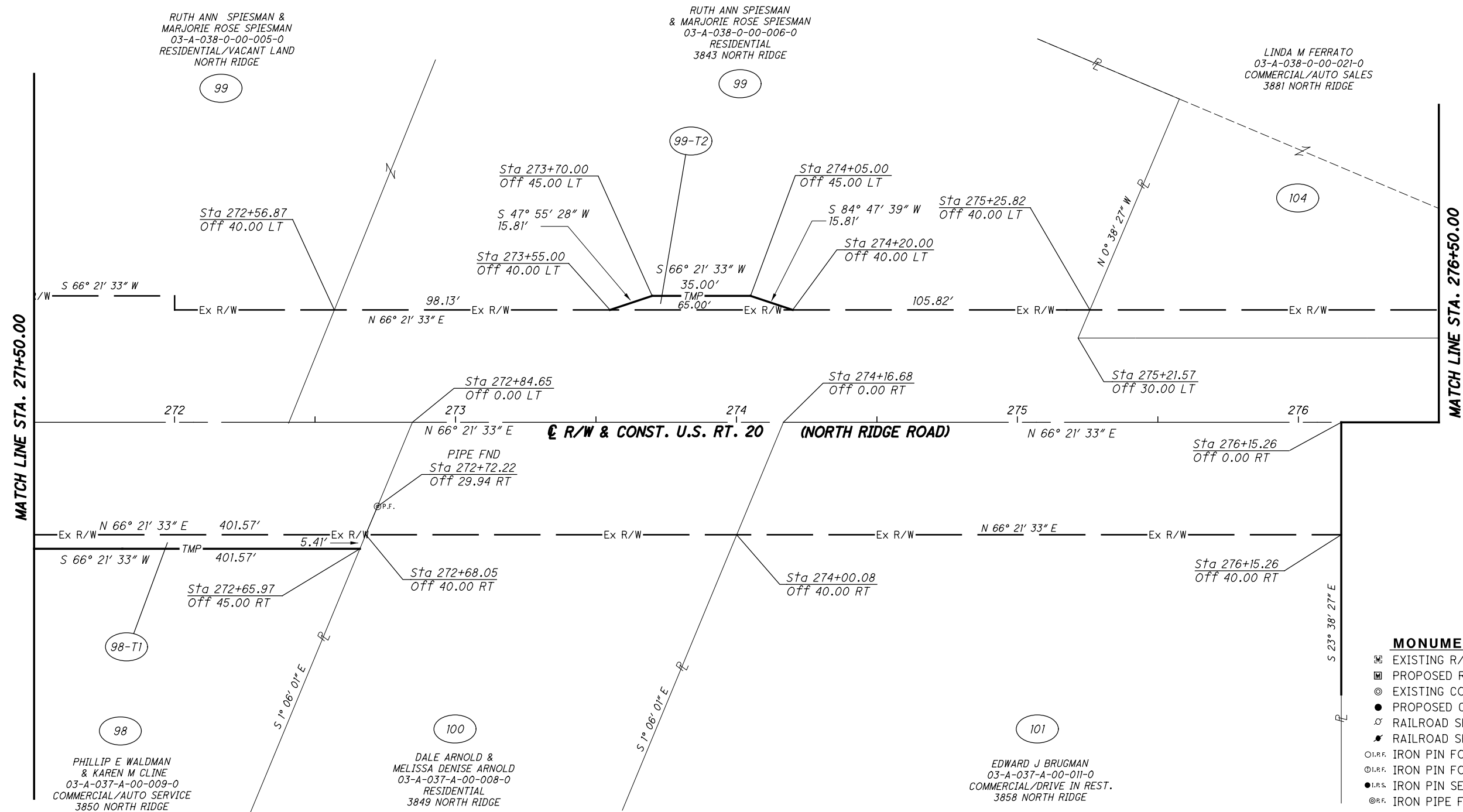
	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 76  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

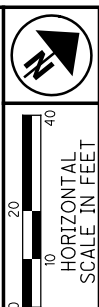
NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE  $\phi$  OF R/W



**MONUMENT LEGEND**

- ▣ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.S. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 271+50.00 TO STA. 276+50.00**

**LAK-US-20-19.59**  
**PART 1**

109/165  
1145  
1253

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LAK-20-19.59  
PART OF LOT NO. 76 & 86  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO.  
**108665**

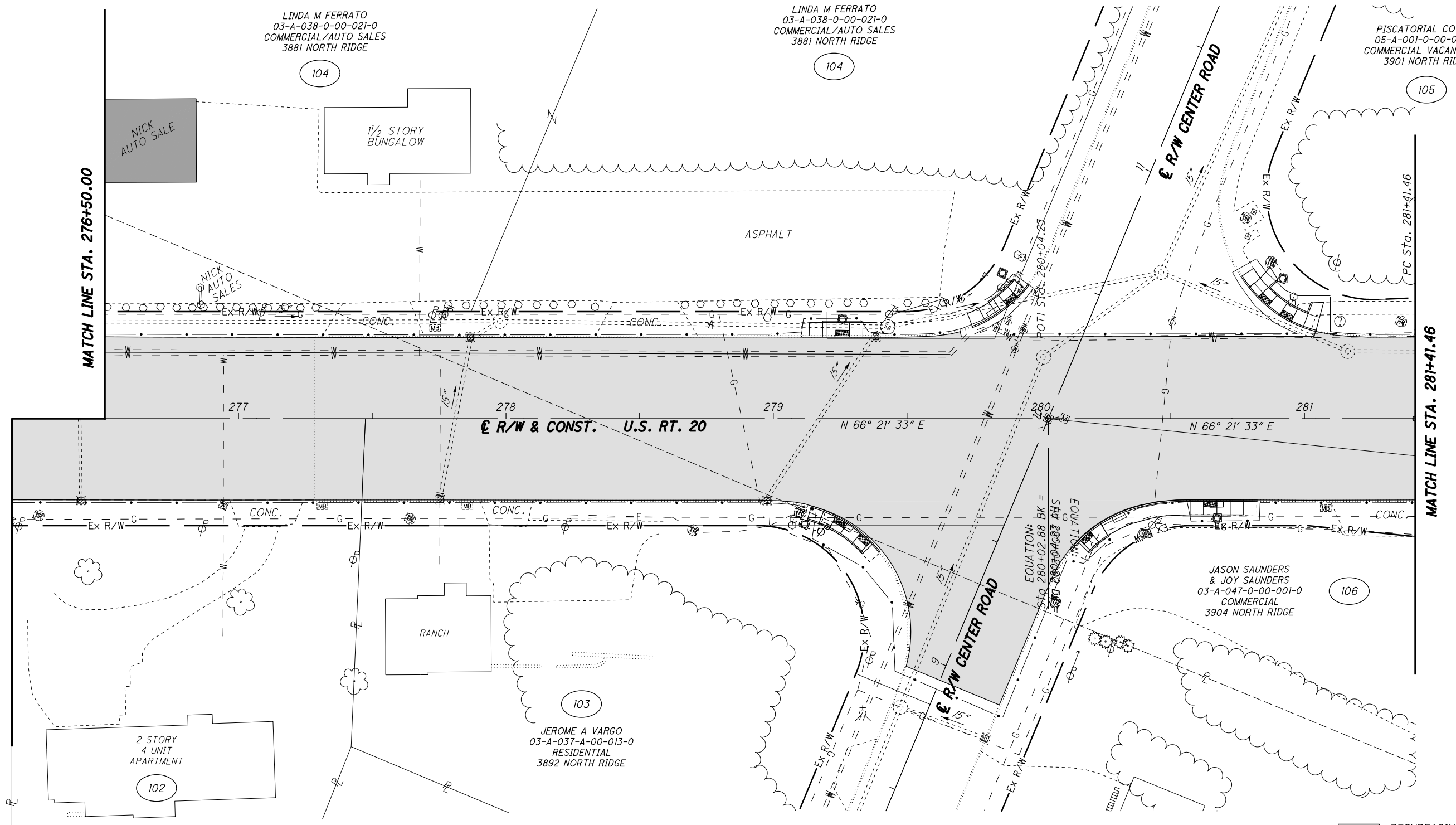
R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 276+50.00 TO STA. 281+41.46**

**LAK-US-20-19.59**  
**PART 1**

110 / 165

1146  
1253



MATCH LINE STA. 276+50.00

MATCH LINE STA. 281+41.46

H:\2018\180743\0D01\ProjectData\108665\_LAK\_20\_WEST\Design\RW\_Sheets\108665\_RT03.dgn Sheet 7/15/2022 3:30:08 PM Troyer

LINDA M FERRATO  
03-A-038-0-00-021-0  
COMMERCIAL/AUTO SALES  
3881 NORTH RIDGE

LINDA M FERRATO  
03-A-038-0-00-021-0  
COMMERCIAL/AUTO SALES  
3881 NORTH RIDGE

PISCATORIAL CO LLC  
05-A-001-0-00-026-0  
COMMERCIAL VACANT LAND  
3901 NORTH RIDGE

CHARLES MARK PETROWSKI  
03-A-037-A-00-017-0  
MIXED RESIDENTIAL/  
COMMERCIAL  
3868 NORTH RIDGE

JEROME A VARGO  
03-A-037-A-00-013-0  
RESIDENTIAL  
3892 NORTH RIDGE

JASON SAUNDERS  
& JOY SAUNDERS  
03-A-047-0-00-001-0  
COMMERCIAL  
3904 NORTH RIDGE

**STRUCTURE KEY**

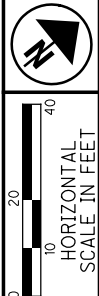
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

RESURFACING SECTION

REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
PART OF LOT NO. 76 & 86  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NOTE: ALL STATION AND OFFSETS  
ARE BASED OFF THE  $\mathcal{C}$  OF R/W



PID NO. **108665**  
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 276+50.00 TO STA. 281+41.46**

**LAK-US-20-19.59**  
**PART 1**

111 / 165

1147  
1253

LINDA M FERRATO  
03-A-038-0-00-021-0  
COMMERCIAL/AUTO SALES  
3881 NORTH RIDGE

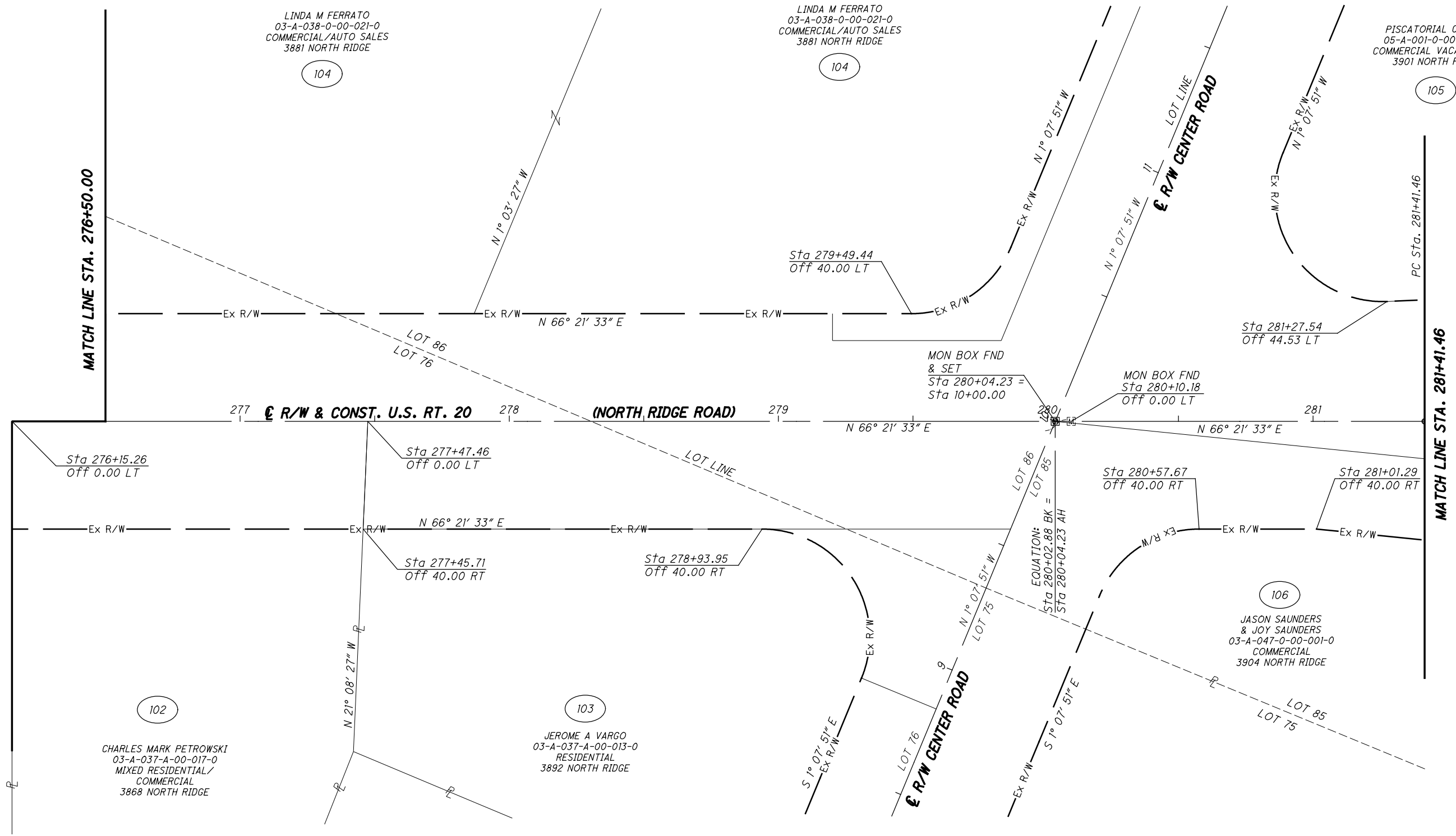
LINDA M FERRATO  
03-A-038-0-00-021-0  
COMMERCIAL/AUTO SALES  
3881 NORTH RIDGE

PISCATORIAL CO LLC  
05-A-001-0-00-026-0  
COMMERCIAL VACANT LAND  
3901 NORTH RIDGE

CHARLES MARK PETROWSKI  
03-A-037-A-00-017-0  
MIXED RESIDENTIAL/  
COMMERCIAL  
3868 NORTH RIDGE

JEROME A VARGO  
03-A-037-A-00-013-0  
RESIDENTIAL  
3892 NORTH RIDGE

JASON SAUNDERS  
& JOY SAUNDERS  
03-A-047-0-00-001-0  
COMMERCIAL  
3904 NORTH RIDGE



**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
 PART OF LOT NO. 76 & 86  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO

PISCATORIAL CO LLC  
 05-A-001-0-00-026-0  
 COMMERCIAL VACANT LAND  
 3901 NORTH RIDGE




LORRAINE BUSER &  
 JOHN H BUSER SR  
 05-A-001-0-00-035-0  
 RESIDENTIAL VACANT LAND  
 NORTH RIDGE

JASON SAUNDERS  
 & JOY SAUNDERS  
 03-A-047-0-00-001-0  
 COMMERCIAL/OFFICE BLDG  
 394 NORTH RIDGE

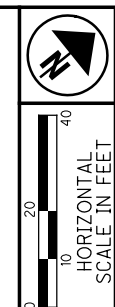
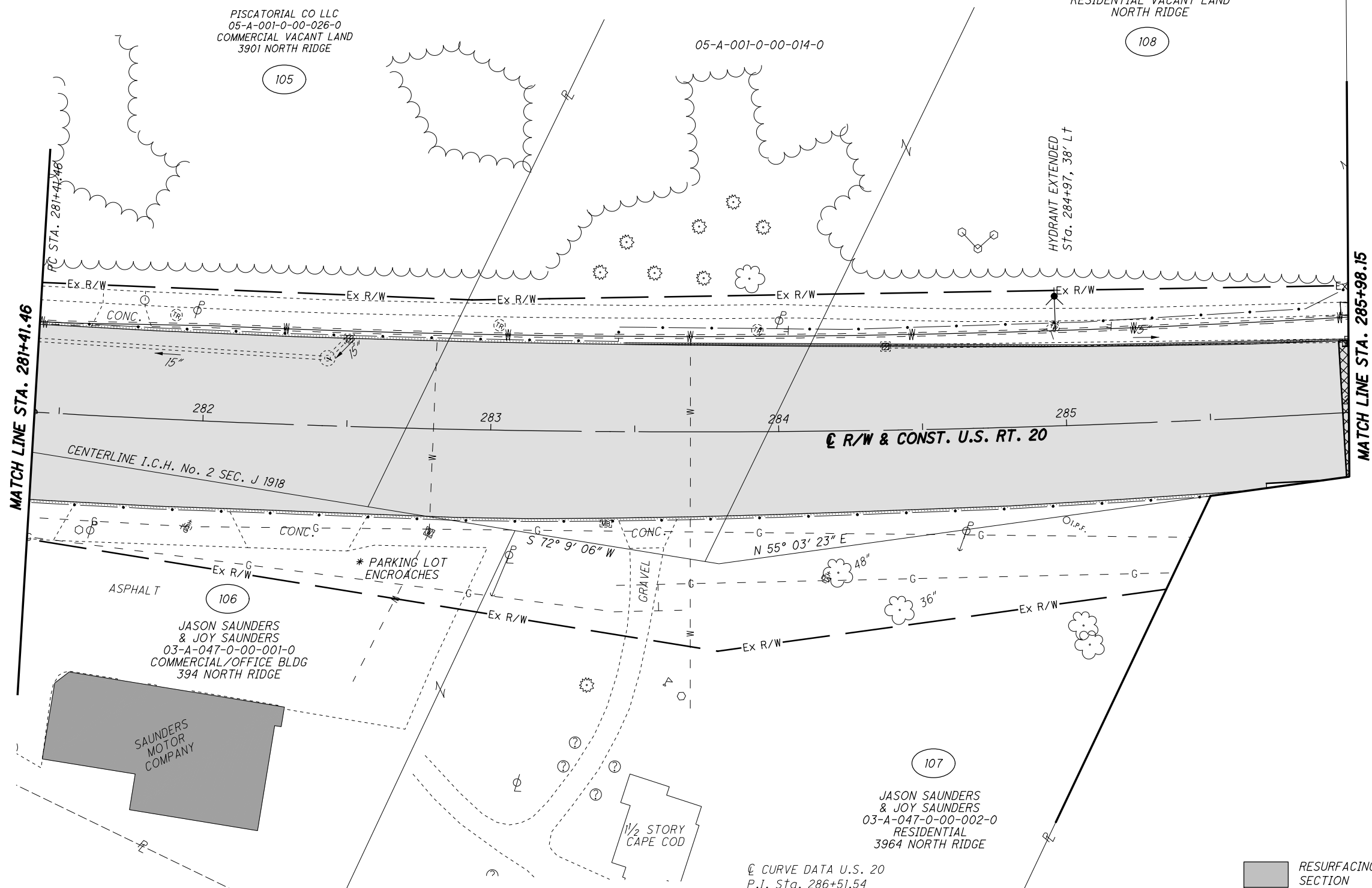
JASON SAUNDERS  
 & JOY SAUNDERS  
 03-A-047-0-00-002-0  
 RESIDENTIAL  
 3964 NORTH RIDGE

☉ CURVE DATA U.S. 20  
 P.I. Sta. 286+51.54  
 $\Delta = 15^\circ 12' 41''$  (LT)  
 $Dc = 1^\circ 30' 00''$   
 $R = 3,819.99'$   
 $T = 510.08'$   
 $L = 1,014.16'$   
 $E = 33.90'$   
 $C = 1,011.19'$   
 $C.B. = N 58^\circ 45' 13'' E$

STRUCTURE KEY

-  RESIDENTIAL
-  COMMERCIAL
-  OUT-BUILDING
-  RESURFACING SECTION

REV. BY	DATE	DESCRIPTION



PID NO. **108665**

R/W DESIGNER PSL  
 R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 281+41.46 TO STA. 285+98.15**

**LAK-US-20-19.59**  
**PART 1**

112 / 165

1148  
 1253

H:\2018\180743\000T\ProjectData\108665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT032.dgn Sheet 7/15/2022 3:30:11PM Troyer

LAK-20-19.59  
PART OF LOT NO. 76 & 86  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

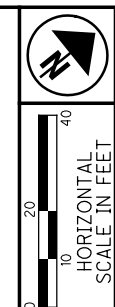
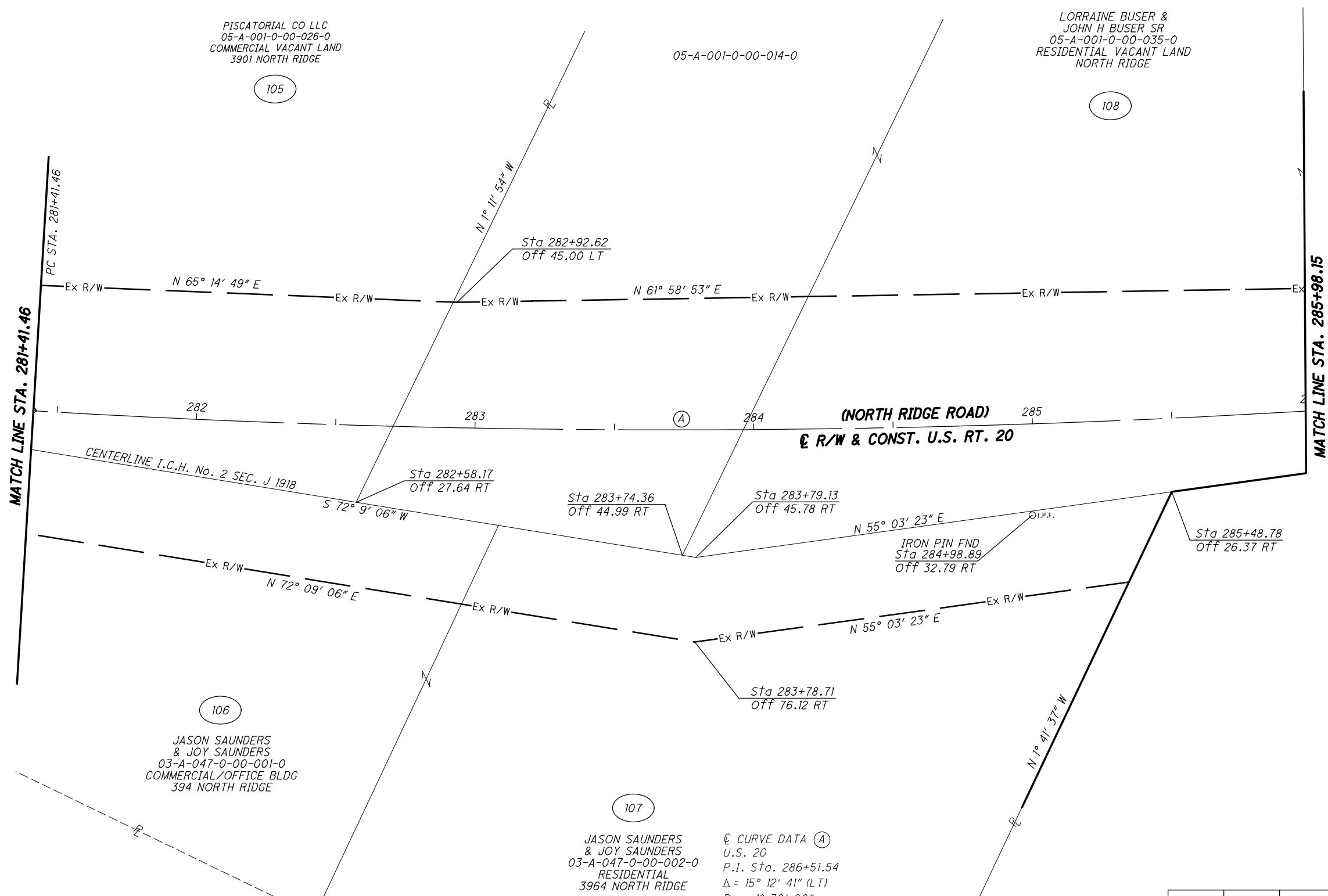
PISCATORIAL CO LLC  
05-A-001-0-00-026-0  
COMMERCIAL VACANT LAND  
3901 NORTH RIDGE

105

05-A-001-0-00-014-0

LORRAINE BUSER &  
JOHN H BUSER SR  
05-A-001-0-00-035-0  
RESIDENTIAL VACANT LAND  
NORTH RIDGE

108



PID NO. **108665**

R/W DESIGNER: PSL  
R/W REVIEWER: TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 281+41.46 TO STA. 285+98.15**

**LAK-US-20-19.59**  
**PART 1**

113 / 165

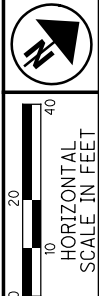
1149  
1253

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 85  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 285+98.15 TO STA. 290+21.23**

**LAK-US-20-19.59**  
**PART 1**

114 / 165

1150  
1253

05-A-001-0-00-014-0

LORRAINE BUSER &  
JOHN H BUSER SR  
05-A-001-0-00-034-0  
RESIDENTIAL  
NORTH RIDGE

RONALD GEORGE KALEAL &  
SARAH MARIE KALEAL  
05-A-001-0-00-013-0  
RESIDENTIAL  
4007 NORTH RIDGE

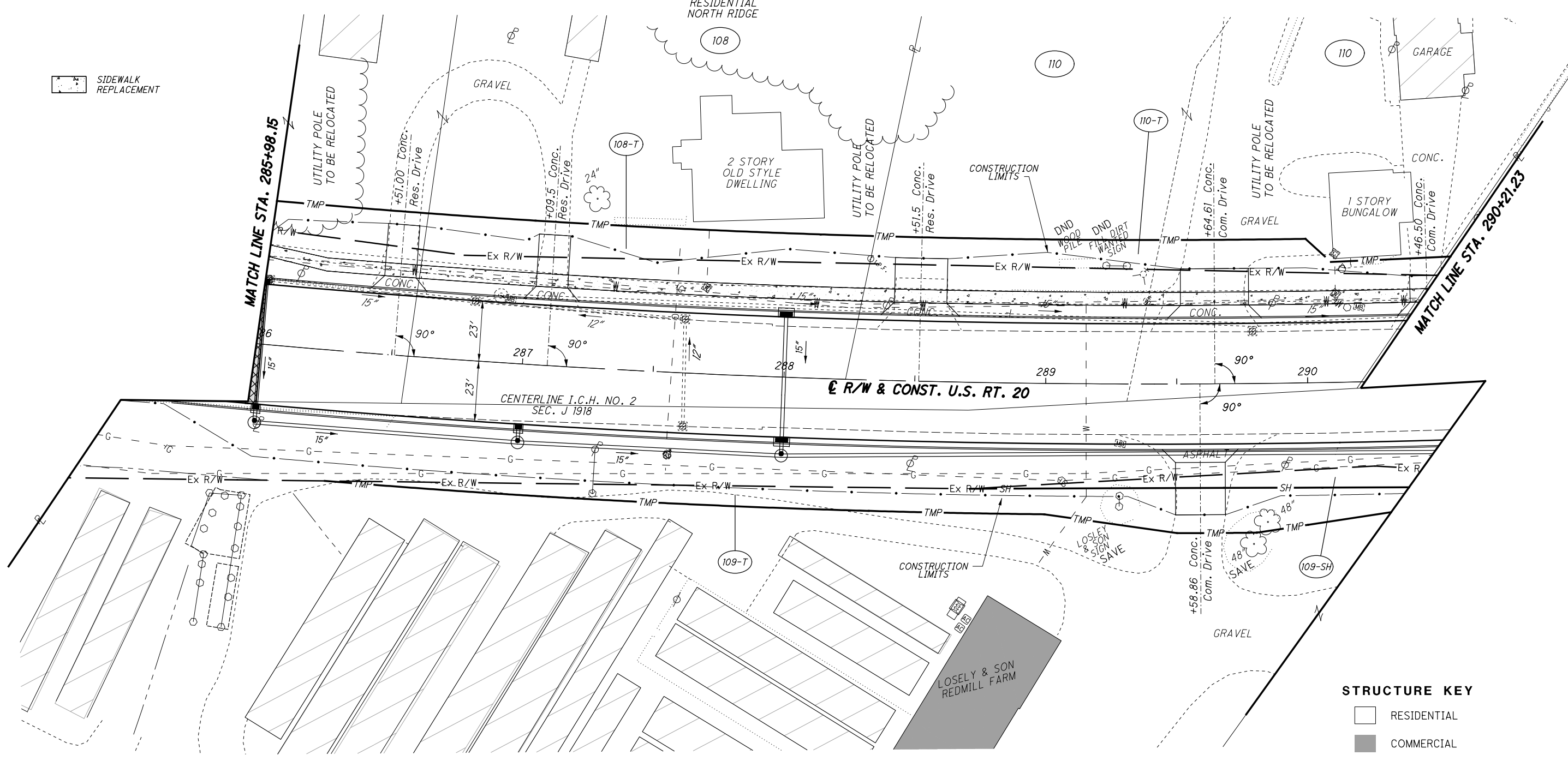
109  
A&L NURSERIES, LLC  
03-A-047-0-00-004-0  
AGRICULTURAL  
NORTH RIDGE

☉ CURVE DATA U.S. 20  
P.I. Sta. 286+51.54  
 $\Delta = 15^\circ 12' 41''$  (LT)  
 $D_c = 1^\circ 30' 00''$   
 $R = 3,819.99'$   
 $T = 510.08'$   
 $L = 1,014.16'$   
 $E = 33.90'$   
 $C = 1,011.19'$   
C.B. = N  $58^\circ 45' 13''$  E

**STRUCTURE KEY**

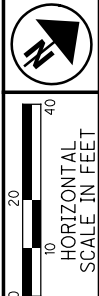
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION



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LAK-20-19.59  
PART OF LOT NO. 85  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. 108665

R/W DESIGNER PSJ  
R/W REVIEWER TMM

RIGHT OF WAY BOUNDARY SHEET  
STA. 285+98.15 TO STA. 290+21.23

LAK-US-20-19.59  
PART 1

115 / 165

1151  
1253

LORRAINE BUSER &  
JOHN H BUSER SR  
05-A-001-0-00-034-0  
RESIDENTIAL  
NORTH RIDGE

RONALD GEORGE KALEAL &  
SARAH MARIE KALEAL  
05-A-001-0-00-013-0  
RESIDENTIAL  
4007 NORTH RIDGE

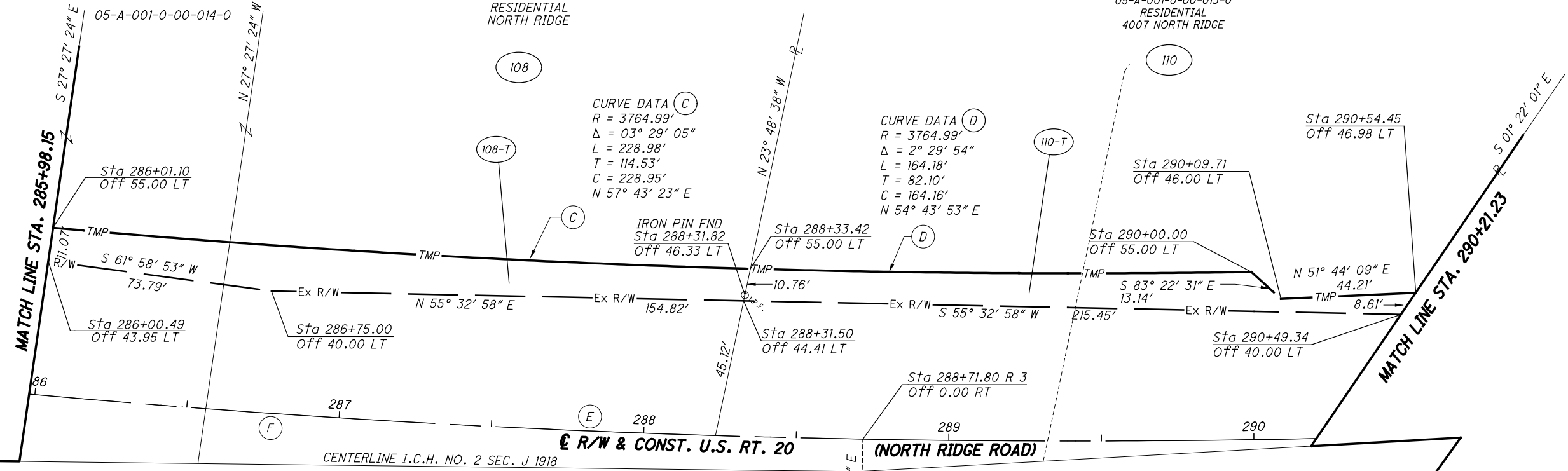
108

CURVE DATA (C)  
R = 3764.99'  
Δ = 03° 29' 05"  
L = 228.98'  
T = 114.53'  
C = 228.95'  
N 57° 43' 23" E

CURVE DATA (D)  
R = 3764.99'  
Δ = 2° 29' 54"  
L = 164.18'  
T = 82.10'  
C = 164.16'  
N 54° 43' 53" E

108-T

110-T



R/W & CONST. U.S. RT. 20  
(NORTH RIDGE ROAD)

CENTERLINE I.C.H. NO. 2 SEC. J 1918

CURVE DATA (A)  
R = 3869.99'  
Δ = 04° 04' 22"  
L = 275.10'  
T = 137.61'  
C = 275.04'  
S 57° 01' 06" W

CURVE DATA (B)  
R = 3876.99'  
Δ = 0° 27' 00"  
L = 30.45'  
T = 15.22'  
C = 30.45'  
S 54° 0' 25" W

⊕ CURVE DATA (E)  
U.S. 20  
Δ = 0° 57' 16" (LT)  
R = 3,819.99'  
T = 366.29'  
L = 730.34'  
C = 729.24'  
C.B. = N 60° 52' 55" E

⊕ CURVE DATA (E)  
U.S. 20  
P.I. Sta. 286+51.54  
Δ = 15° 12' 41" (LT)  
Dc = 1° 30' 00"  
R = 3,819.99'  
T = 510.08'  
L = 1,014.16'  
E = 33.90'  
C = 1,011.19'  
C.B. = N 58° 45' 13" E

MONUMENT LEGEND

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊕ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- ⊙ I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ R.K.F. P.K. NAIL FOUND
- ⊙ R.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 85  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

☉ CURVE DATA U.S. 20  
P.I. Sta. 286+51.54  
Δ = 15° 12' 41" (LT)  
Dc = 1° 30' 00"  
R = 3,819.99'  
T = 510.08'  
L = 1,014.16'  
E = 33.90'  
C = 1,011.19'  
C.B. = N 58° 45' 13" E

 SIDEWALK REPLACEMENT

JANICE M LEROY  
05-A-001-0-00-012-0  
RESIDENTIAL  
4033 NORTH RIDGE

WARREN TANNER JONES  
05-A-001-0-00-010-0  
RESIDENTIAL VACANT LAND  
NORTH RIDGE



A&L NURSERIES, LLC  
03-A-047-0-00-003-0  
AGRICULTURAL  
4022 NORTH RIDGE

TWO DOGS LLC  
03-A-047-0-00-005-0  
RESIDENTIAL  
4048 NORTH RIDGE

**STRUCTURE KEY**

-  RESIDENTIAL
-  COMMERCIAL
-  OUT-BUILDING

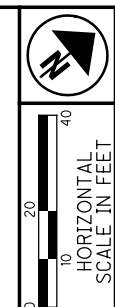
PSL	11/29/21	MARKED AS SAVE 3 TREES ON PARCEL 111
REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

  
 HORIZONTAL SCALE IN FEET  
 PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**LAK-US-20-19.59**  
**RIGHT OF WAY TOPO SHEET**  
**STA. 290+21.23 TO STA. 295+45.24**  
**PART 1**  
 116 / 165  
 1152 / 1253

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LAK-20-19.59  
PART OF LOT NO. 85  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

① CURVE DATA (A)  
U.S. 20  
P.I. Sta. 286+51.54  
Δ = 15° 12' 41" (LT)  
Dc = 1° 30' 00"  
R = 3,819.99'  
T = 510.08'  
L = 1,014.16'  
E = 33.90'  
C = 1,011.19'  
C.B. = N 58° 45' 13" E



PID NO.  
**108665**

R/W DESIGNER  
PSL

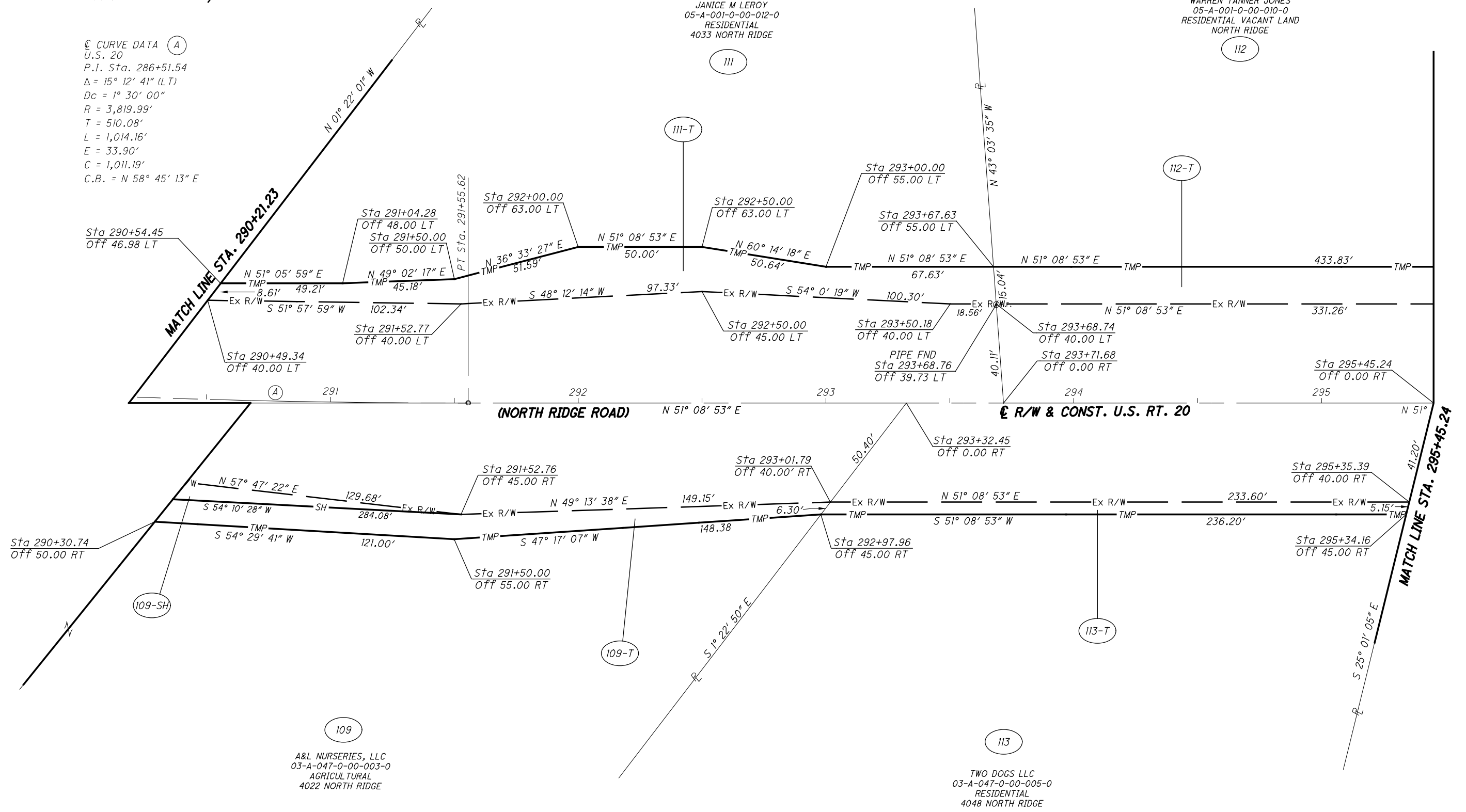
R/W REVIEWER  
TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 290+21.23 TO STA. 295+45.24**

**LAK-US-20-19.59**  
**PART 1**

117 / 165

1153  
1253



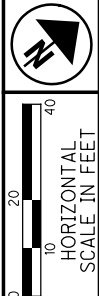
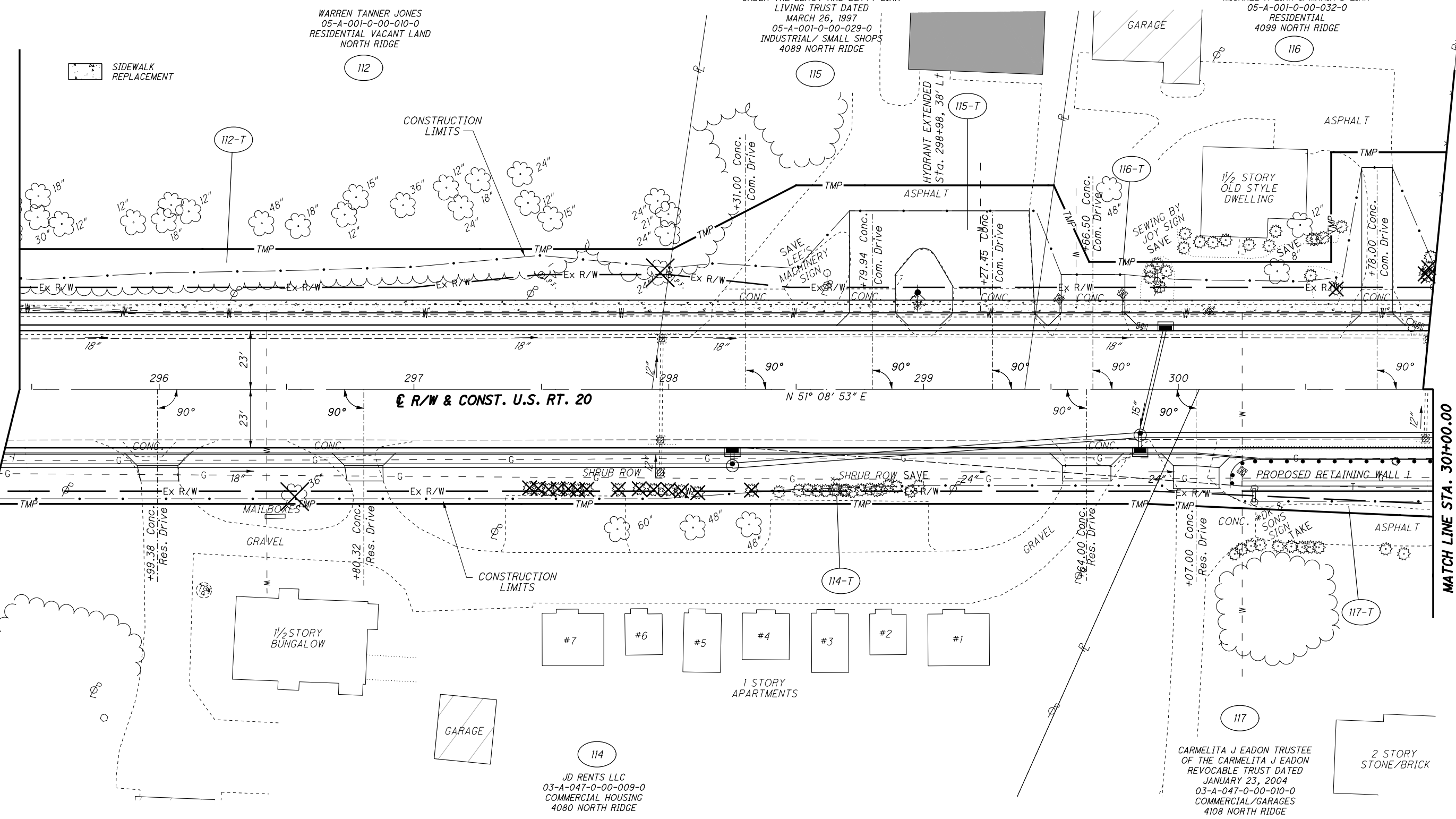
**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 85  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

**RIGHT OF WAY TOPO SHEET**  
STA. 295+45.24 TO STA. 301+00.00

**LAK-US-20-19.59**  
**PART 1**

118 / 165

1154  
1253

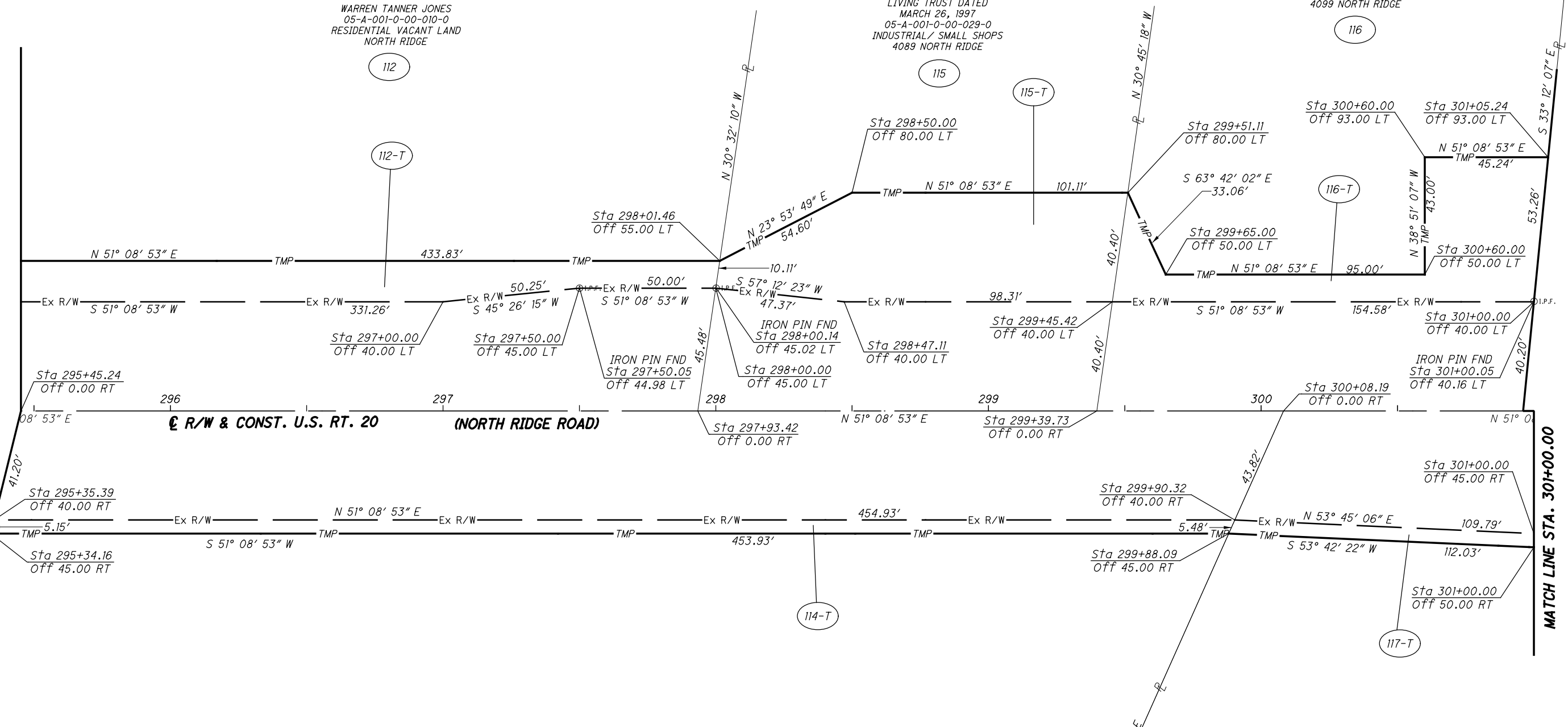
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**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
PART OF LOT NO. 85  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



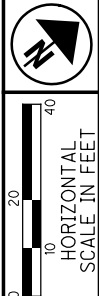
- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚡ RAILROAD SPIKE FOUND
  - ⚡ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.S. IRON PIPE FOUND
  - ⊙ I.P.S. IRON PIPE SET
  - ⊙ P.K.F. P.K. NAIL FOUND
  - P.K.S. P.K. NAIL SET

114  
JD RENTS LLC  
03-A-047-0-00-009-0  
COMMERCIAL HOUSING  
4080 NORTH RIDGE

115  
LEROY V ZINN AND  
BETTY J ZINN, TRUSTEES,  
OR THEIR SUCCESSORS IN TRUST  
UNDER THE LEROY AND BETTY ZINN  
LIVING TRUST DATED  
MARCH 26, 1997  
05-A-001-0-00-029-0  
INDUSTRIAL/ SMALL SHOPS  
4089 NORTH RIDGE

116  
MICHAEL A ZINN & MARIA D ZINN  
05-A-001-0-00-032-0  
RESIDENTIAL  
4099 NORTH RIDGE

117  
CARMELITA J EADON TRUSTEE  
OF THE CARMELITA J EADON  
REVOCABLE TRUST DATED  
JANUARY 23, 2004  
03-A-047-0-00-010-0  
COMMERCIAL/GARAGES  
4108 NORTH RIDGE



PID NO. 108665  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 295+45.24 TO STA. 301+00.00**

**LAK-US-20-19.59**  
**PART 1**

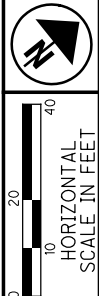
119 / 165

1155  
1253

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 85  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



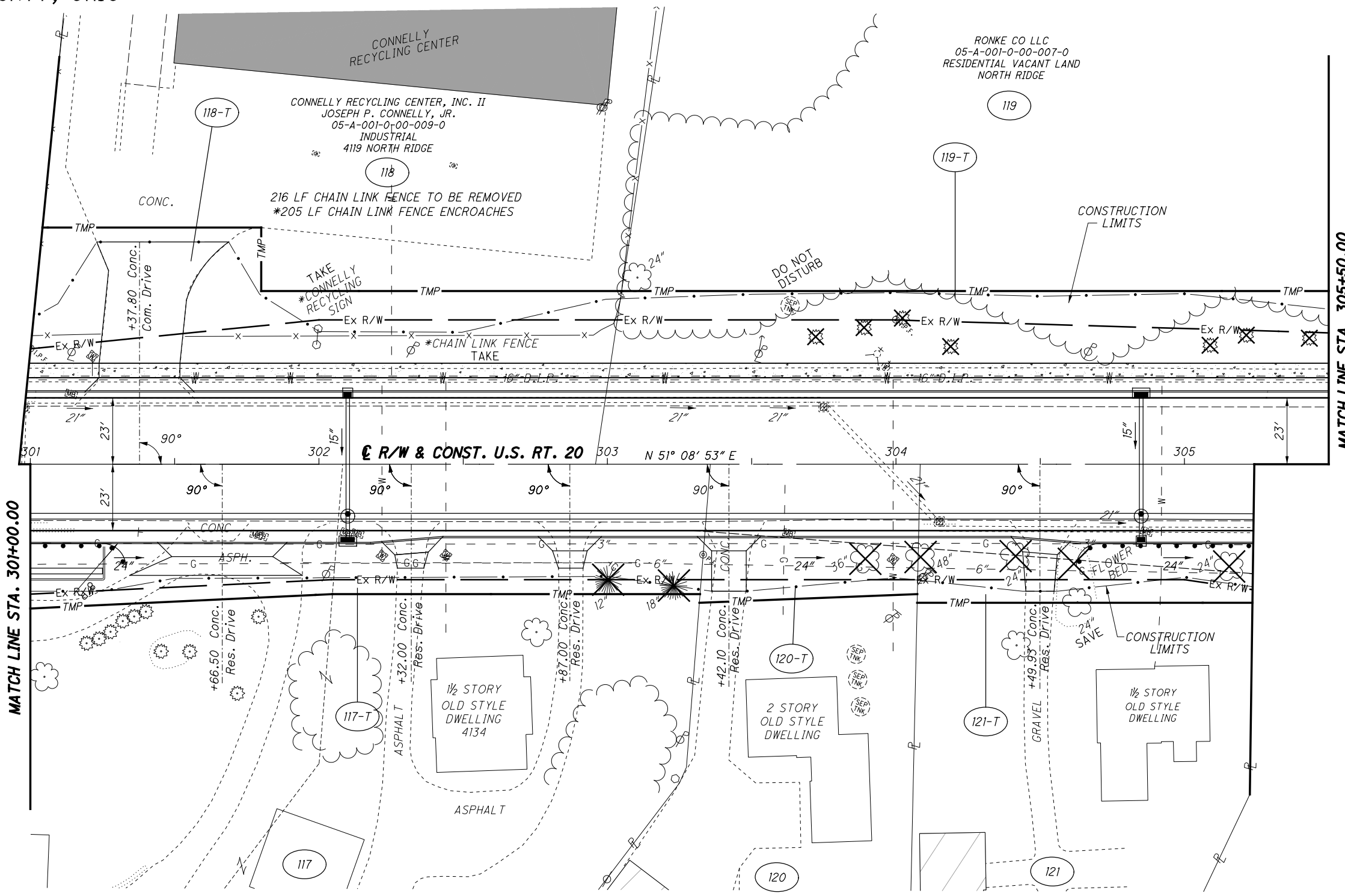
PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 301+00.00 TO STA. 305+50.00**

**LAK-US-20-19.59**  
**PART 1**

120/165  
1156  
1253

**SIDEWALK REPLACEMENT**



MATCH LINE STA. 301+00.00

MATCH LINE STA. 305+50.00

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

CARMELITA J EADON TRUSTEE  
OF THE CARMELITA J EADON  
REVOCABLE TRUST DATED  
JANUARY 23, 2004  
03-A-047-0-00-011-0  
2 FAMILY RESIDENTIAL  
4124 NORTH RIDGE

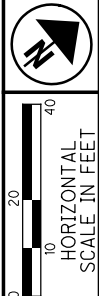
ROBERT J POMPLAS  
& CHERYL L POMPLAS  
03-A-047-0-00-012-0  
RESIDENTIAL  
4146 NORTH RIDGE

THE ESTATE OF  
CHARLES P RAPKIN, DECEASED  
GLORIA J RAPKIN  
03-A-047-0-00-018-0  
RESIDENTIAL  
4156 NORTH RIDGE

REV. BY	DATE	DESCRIPTION
	11/12/21	PSL UPDATED OWNERSHIP PARCELS 118 & 121

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LAK-20-19.59  
PART OF LOT NO. 85  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



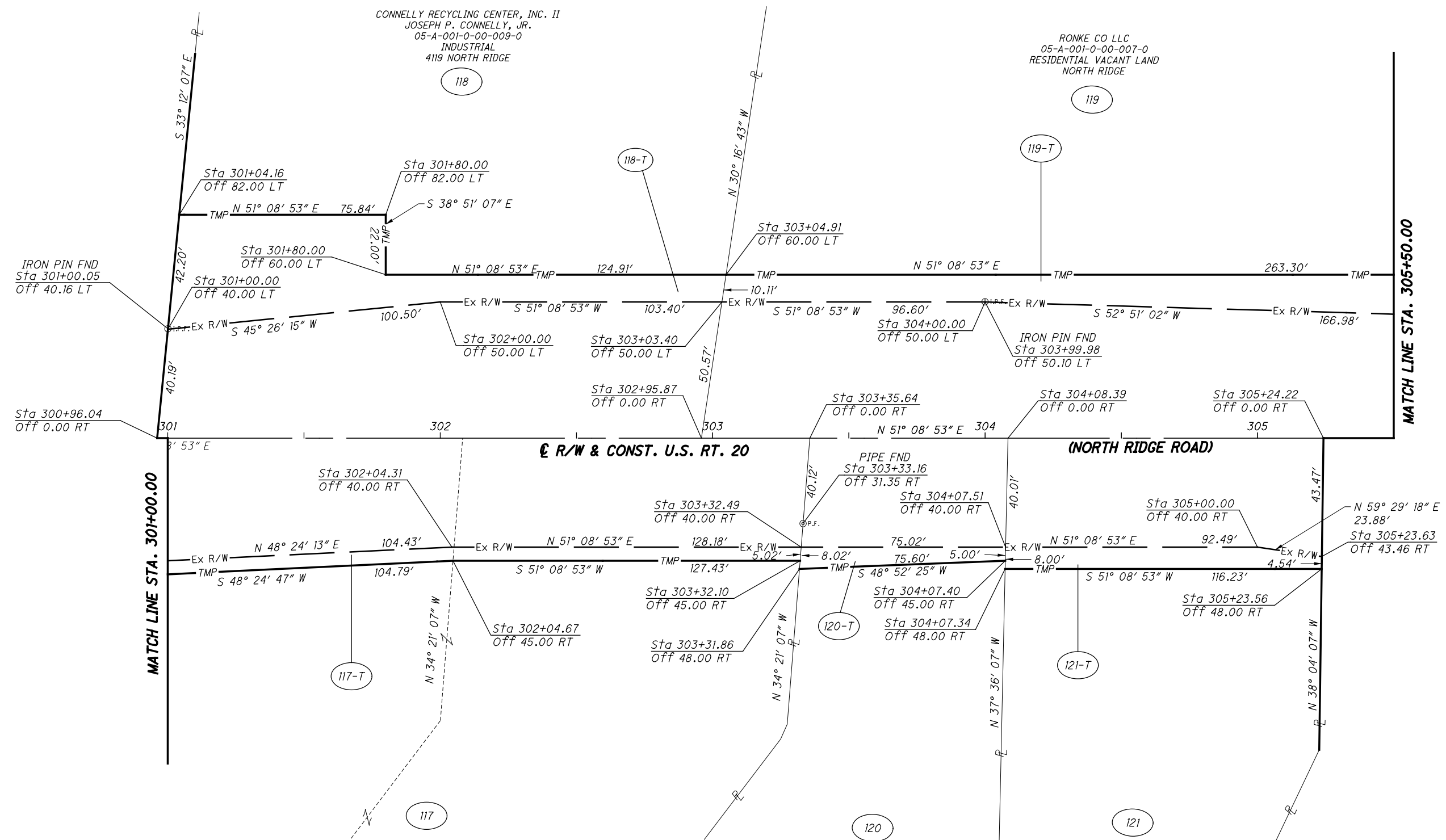
PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 301+00.00 TO STA. 305+50.00**

**LAK-US-20-19.59**  
**PART 1**

121/165  
1157  
1253

H:\2018\180743\ODOT\Project\Data\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RB036.dgn Sheet 7/15/2022 3:30:22 PM Troyer



**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

CARMELITA J EADON TRUSTEE  
OF THE CARMELITA J EADON  
REVOCABLE TRUST DATED  
JANUARY 23, 2004  
03-A-047-0-00-011-0  
2 FAMILY RESIDENTIAL  
4124 NORTH RIDGE

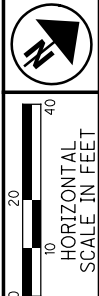
ROBERT J POMPLAS  
& CHERYL L POMPLAS  
03-A-047-0-00-012-0  
RESIDENTIAL  
4146 NORTH RIDGE

THE ESTATE OF  
CHARLES P RAPKIN, DECEASED  
GLORIA J RAPKIN  
03-A-047-0-00-018-0  
RESIDENTIAL  
4156 NORTH RIDGE

11/12/21	PSL	UPDATED OWNERSHIP PARCELS 118 & 121
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>



LAK-20-19.59  
 PART OF LOT NO. 85 & 84  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



PID NO. **108665**

R/W DESIGNER: PSL  
 R/W REVIEWER: TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 305+50.00 TO STA. 310+53.60**

**LAK-US-20-19.59**  
**PART 1**

122/165

1158  
 1253

RONKE CO LLC  
 05-A-001-0-00-007-0  
 RESIDENTIAL VACANT LAND  
 NORTH RIDGE

KIM A FERGUSON  
 05-A-001-0-00-028-0  
 RESIDENTIAL  
 4175 NORTH RIDGE

RONKE CO LLC  
 05-A-001-0-00-007-0  
 RESIDENTIAL VACANT LAND  
 NORTH RIDGE

119

124

125

119-T

CONSTRUCTION LIMITS

124-T

125-T

MATCH LINE STA. 305+50.00

MATCH LINE STA. 310+53.60

CENTERLINE I.C.H. No. 2 SEC J 1918  
 R/W & CONST. U.S. RT. 20

POT Sta. 10+46.30

Sta 309+94.00 =  
 Sta. 10+00.00

PROPOSED RETAINING WALL 2

2 STORY COLONIAL

BILLBOARDS

CONSTRUCTION LIMITS

GRAVEL  
 ASPHALT

GENE T HAGER TRUSTEE  
 OF THE GENE T HAGER  
 REVOCABLE TRUST  
 03-A-047-0-00-014-0  
 RESIDENTIAL  
 4166 NORTH RIDGE

123  
 JAMES M LYON  
 SUCCESSOR TRUSTEE  
 03-A-056-0-00-015-0  
 VACANT COMMERCIAL LAND  
 NORTH RIDGE

☉ CURVE DATA U.S. 20  
 P.I. Sta. 313+75.90  
 $\Delta = 31^\circ 29' 24''$  (RT)  
 $Dc = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 807.69'$   
 $L = 1,574.50'$   
 $E = 111.68'$   
 $C = 1,554.76'$   
 $C.B. = N 66^\circ 53' 35'' E$

123  
 JAMES M LYON  
 SUCCESSOR TRUSTEE  
 03-A-056-0-00-013-0  
 COMMERCIAL  
 4230 NORTH RIDGE

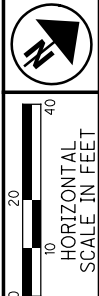
**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
 PART OF LOT NO. 85 & 84  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 305+50.00 TO STA. 310+53.60**

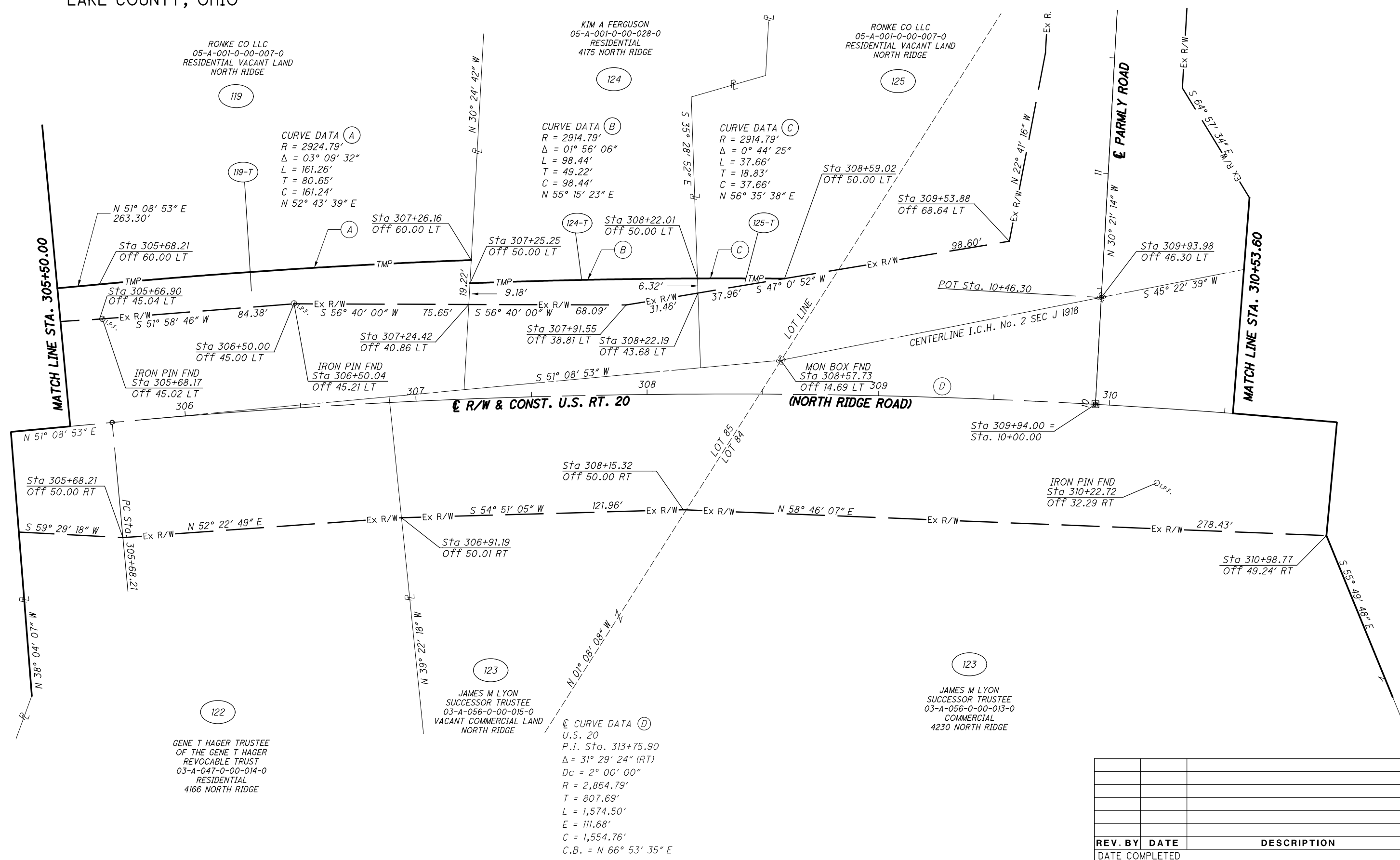
**LAK-US-20-19.59**  
**PART 1**

123/165

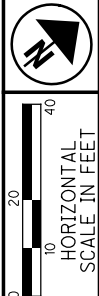
1159  
 1253

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
 PART OF LOT NO. 84  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



PID NO. **108665**  
 R/W DESIGNER: PSL  
 R/W REVIEWER: TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 310+53.60 TO STA. 316+00.00**

**LAK-US-20-19.59**  
**PART 1**

124/165

1160  
 1253

H:\2018\80743\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT038.dgn Sheet 7/15/2022 3:30:26 PM troyer

**SIDEWALK REPLACEMENT**

**STRUCTURE KEY**

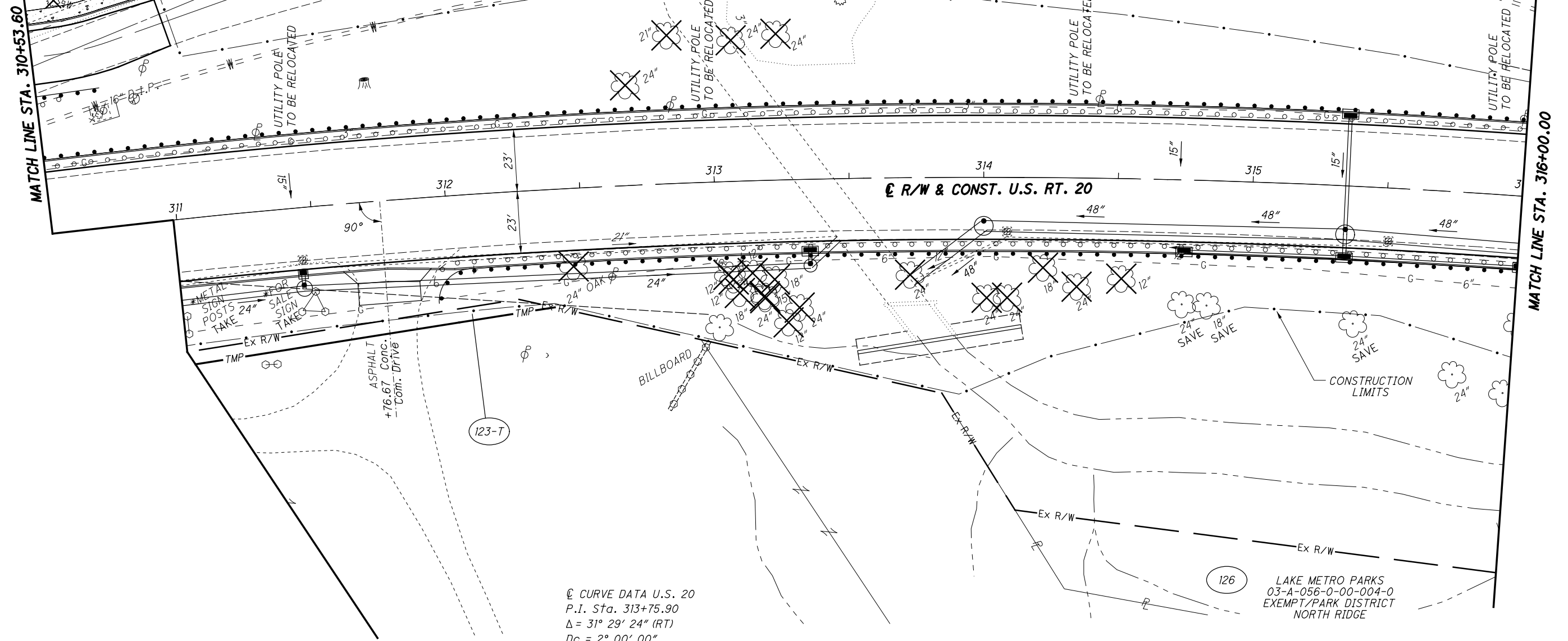
- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

**© CURVE DATA U.S. 20**  
 P.I. Sta. 313+75.90  
 $\Delta = 31^\circ 29' 24''$  (RT)  
 $D_c = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 807.69'$   
 $L = 1,574.50'$   
 $E = 111.68'$   
 $C = 1,554.76'$   
 $C.B. = N 66^\circ 53' 35'' E$

123  
 JAMES M LYON  
 SUCCESSOR TRUSTEE  
 03-A-056-0-00-013-0  
 COMMERCIAL  
 4230 NORTH RIDGE

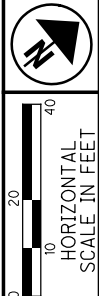
126  
 LAKE METRO PARKS  
 03-A-056-0-00-004-0  
 EXEMPT/PARK DISTRICT  
 NORTH RIDGE

REV. BY	DATE	DESCRIPTION





LAK-20-19.59  
 PART OF LOT NO. 84  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



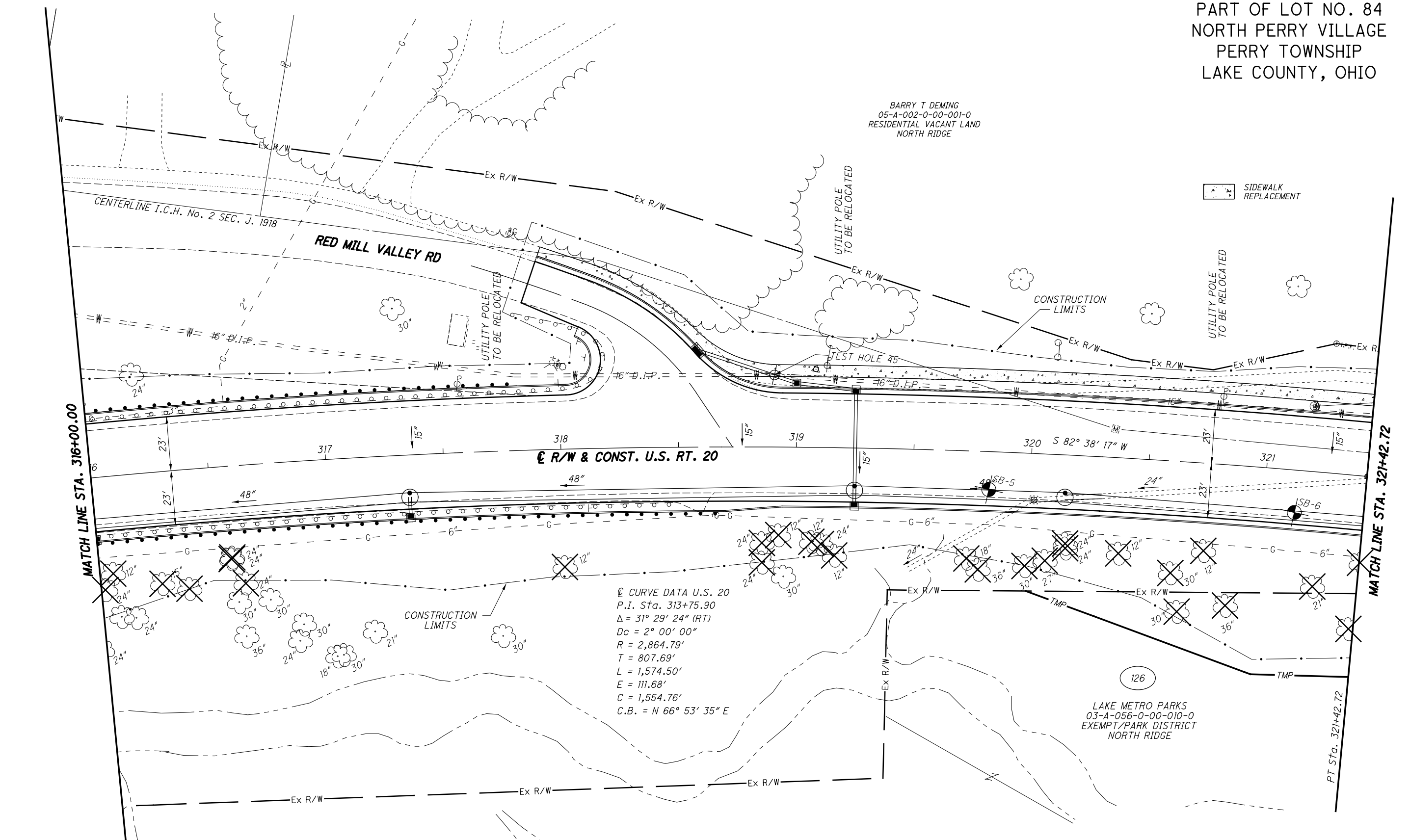
PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 316+00.00 TO STA. 321+42.72**

**LAK-US-20-19.59**  
**PART 1**

126/165  
 1162  
 1253

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$\hat{C}$  CURVE DATA U.S. 20  
 P.I. Sta. 313+75.90  
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 $Dc = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 807.69'$   
 $L = 1,574.50'$   
 $E = 111.68'$   
 $C = 1,554.76'$   
 $C.B. = N 66^\circ 53' 35'' E$

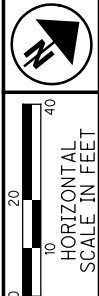
**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

126  
 LAKE METRO PARKS  
 03-A-056-0-00-004-0  
 EXEMPT/PARK DISTRICT  
 NORTH RIDGE

LAK-20-19.59  
 PART OF LOT NO. 84  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



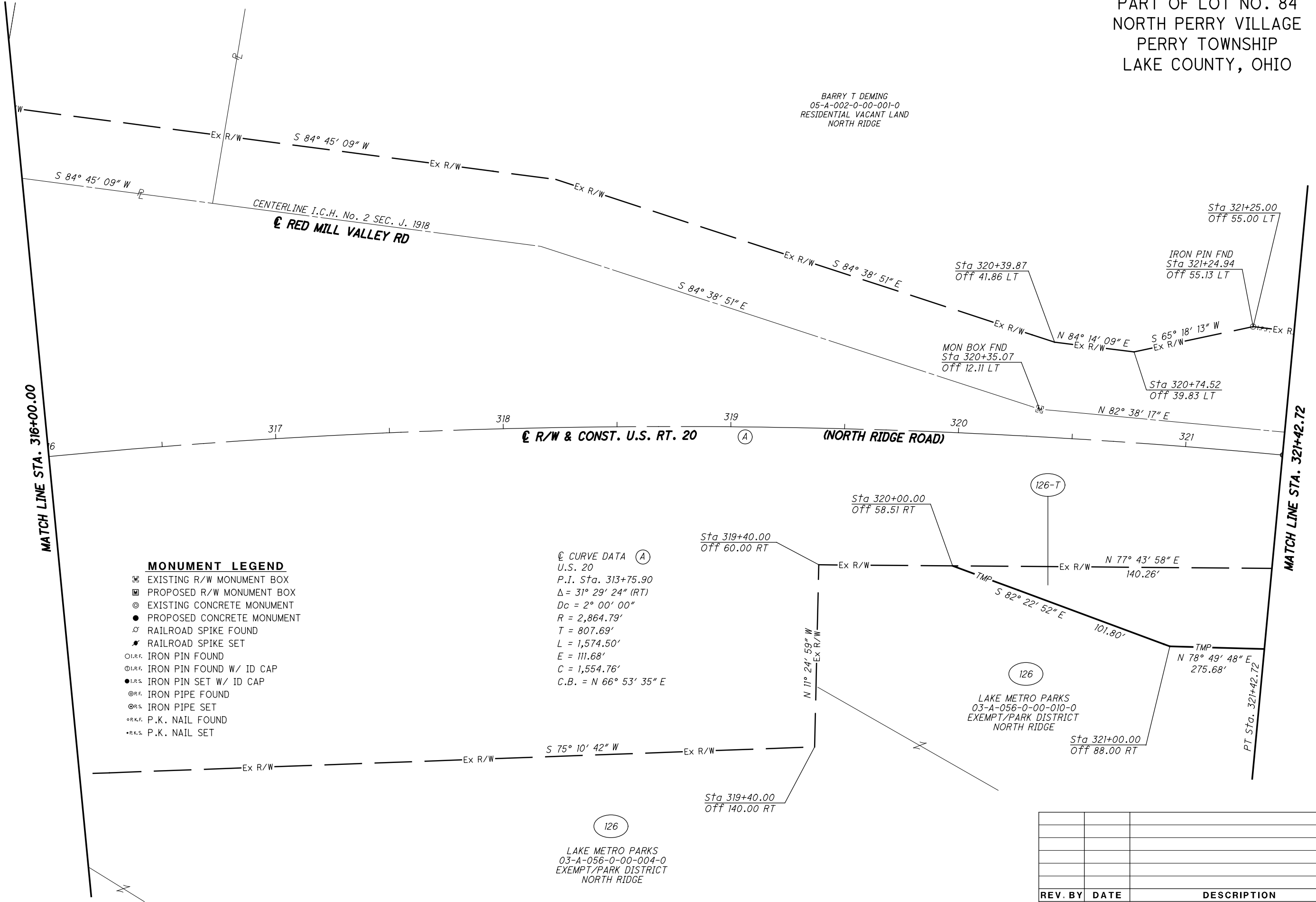
PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 316+00.00 TO STA. 321+42.72**

**LAK-US-20-19.59**  
**PART 1**

127/165  
 1163  
 1253

H:\2018\180743\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RB039.dgn Sheet 7/15/2022 3:30:29 PM Troyer

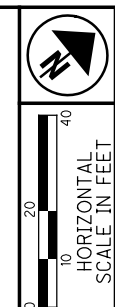


- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚡ RAILROAD SPIKE FOUND
  - ⚡ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - I.P.F. IRON PIPE FOUND
  - I.P.S. IRON PIPE SET
  - P.K.F. P.K. NAIL FOUND
  - P.K.S. P.K. NAIL SET

Ⓐ CURVE DATA  
 U.S. 20  
 P.I. Sta. 313+75.90  
 $\Delta = 31^\circ 29' 24''$  (RT)  
 $Dc = 2^\circ 00' 00''$   
 $R = 2,864.79'$   
 $T = 807.69'$   
 $L = 1,574.50'$   
 $E = 111.68'$   
 $C = 1,554.76'$   
 $C.B. = N 66^\circ 53' 35'' E$

REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
 PART OF LOT NO. 84  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO

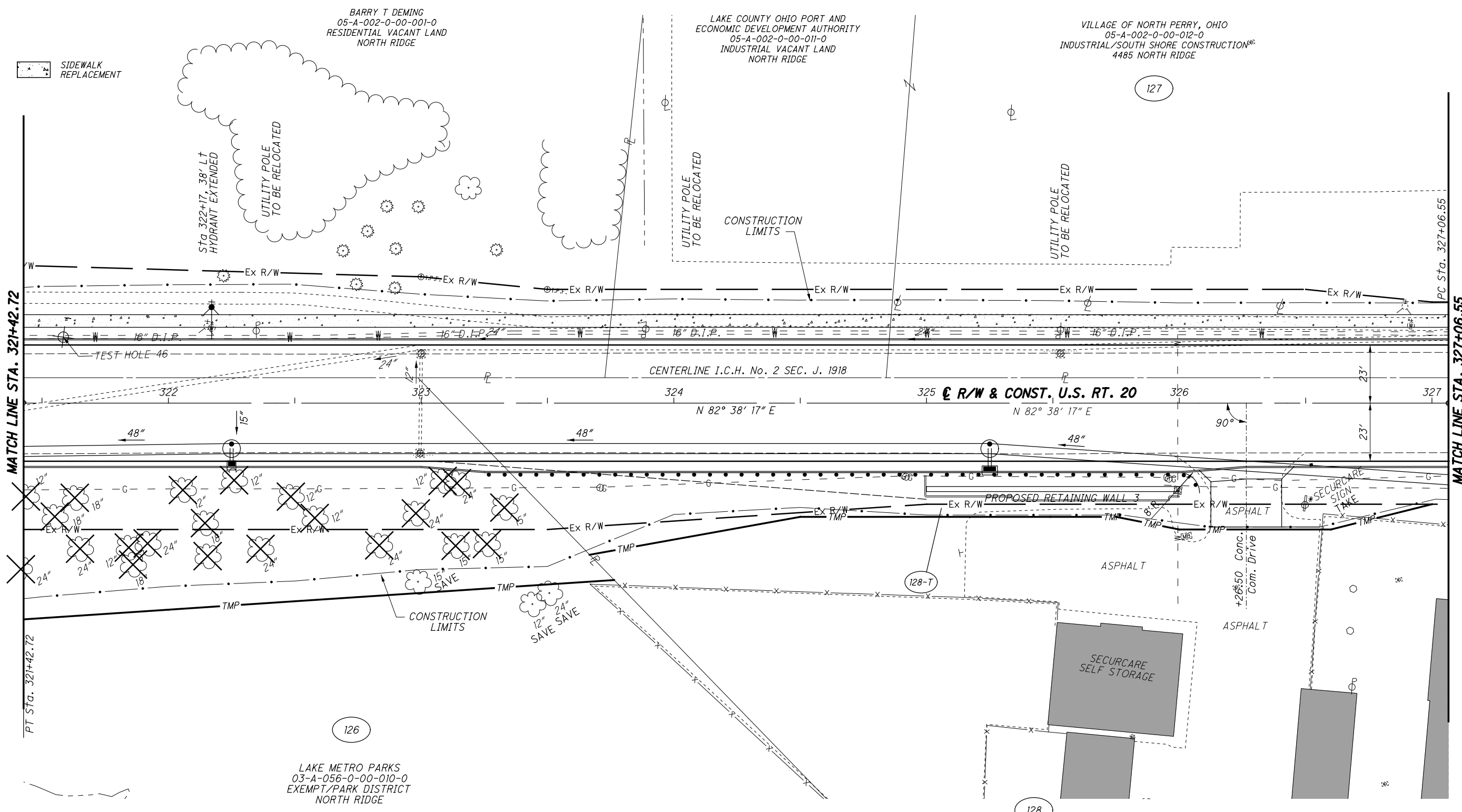


PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 321+42.72 TO STA. 327+06.55**

**LAK-US-20-19.59**  
**PART 1**

128/165  
 1164  
 1253



SIDEWALK REPLACEMENT

MATCH LINE STA. 321+42.72

MATCH LINE STA. 327+06.55

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**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

REV. BY	DATE	DESCRIPTION

NSA PROPERTY HOLDINGS LLC  
 03-A-056-0-00-005-0  
 4400 NORTH RIDGE  
 COMMERCIAL/ MINI WAREHOUSE

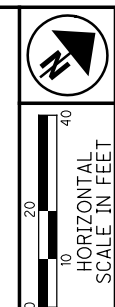
LAKE METRO PARKS  
 03-A-056-0-00-010-0  
 EXEMPT/PARK DISTRICT  
 NORTH RIDGE

BARRY T DEMING  
 05-A-002-0-00-001-0  
 RESIDENTIAL VACANT LAND  
 NORTH RIDGE

LAKE COUNTY OHIO PORT AND  
 ECONOMIC DEVELOPMENT AUTHORITY  
 05-A-002-0-00-011-0  
 INDUSTRIAL VACANT LAND  
 NORTH RIDGE

VILLAGE OF NORTH PERRY, OHIO  
 05-A-002-0-00-012-0  
 INDUSTRIAL/SOUTH SHORE CONSTRUCTION  
 4485 NORTH RIDGE

LAK-20-19.59  
PART OF LOT NO. 84  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 321+42.72 TO STA. 327+06.55**

**LAK-US-20-19.59**  
**PART 1**

129/165  
1165  
1253

BARRY T DEMING  
05-A-002-0-00-001-0  
RESIDENTIAL VACANT LAND  
NORTH RIDGE

LAKE COUNTY OHIO PORT AND  
ECONOMIC DEVELOPMENT AUTHORITY  
05-A-002-0-00-011-0  
INDUSTRIAL VACANT LAND  
NORTH RIDGE

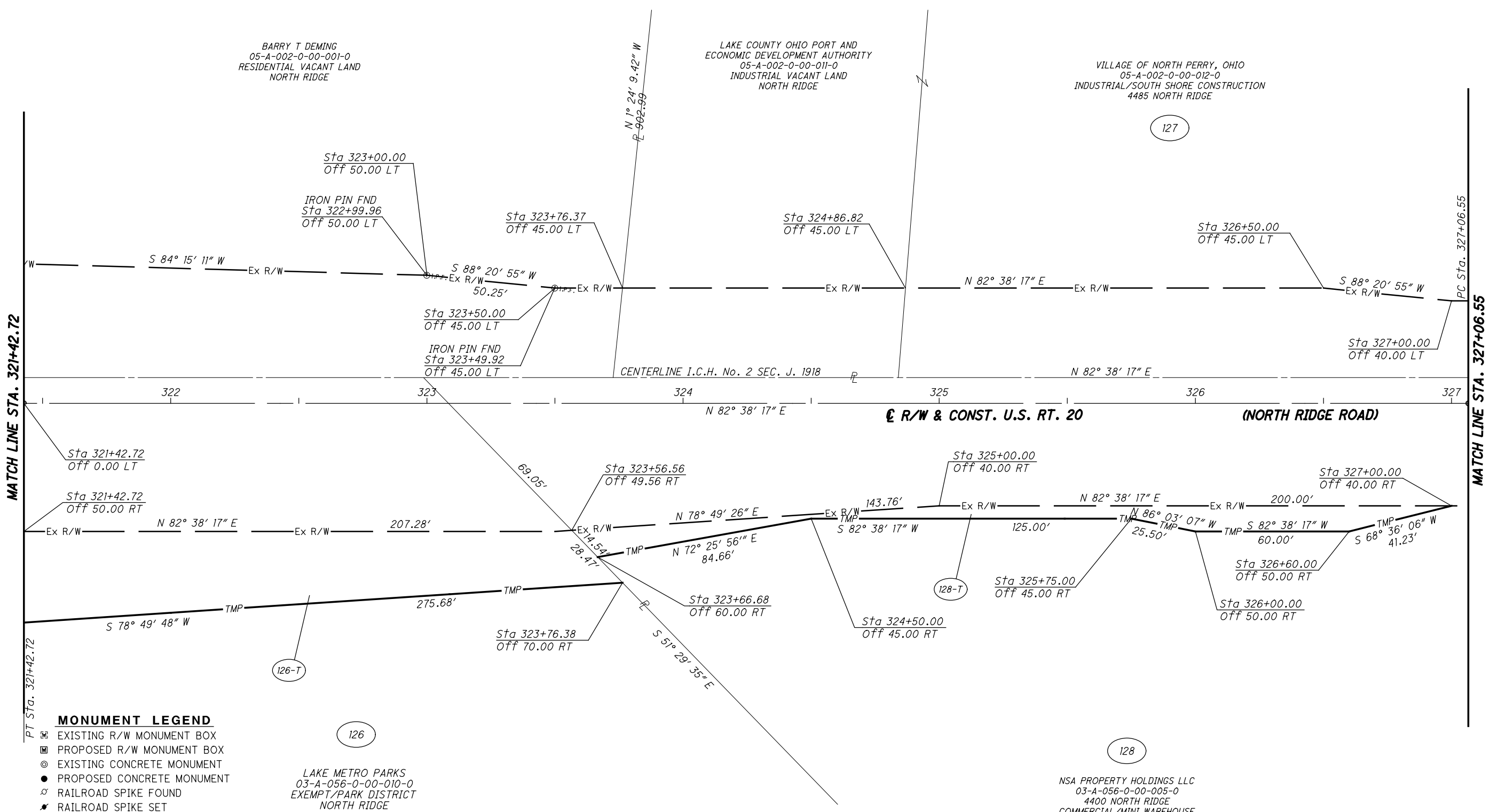
VILLAGE OF NORTH PERRY, OHIO  
05-A-002-0-00-012-0  
INDUSTRIAL/SOUTH SHORE CONSTRUCTION  
4485 NORTH RIDGE

LAKE METRO PARKS  
03-A-056-0-00-010-0  
EXEMPT/PARK DISTRICT  
NORTH RIDGE

NSA PROPERTY HOLDINGS LLC  
03-A-056-0-00-005-0  
4400 NORTH RIDGE  
COMMERCIAL/mini WAREHOUSE

**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊘ RAILROAD SPIKE FOUND
- ⊙ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.S. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

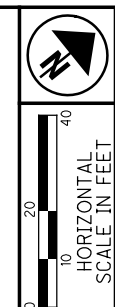


REV. BY	DATE	DESCRIPTION

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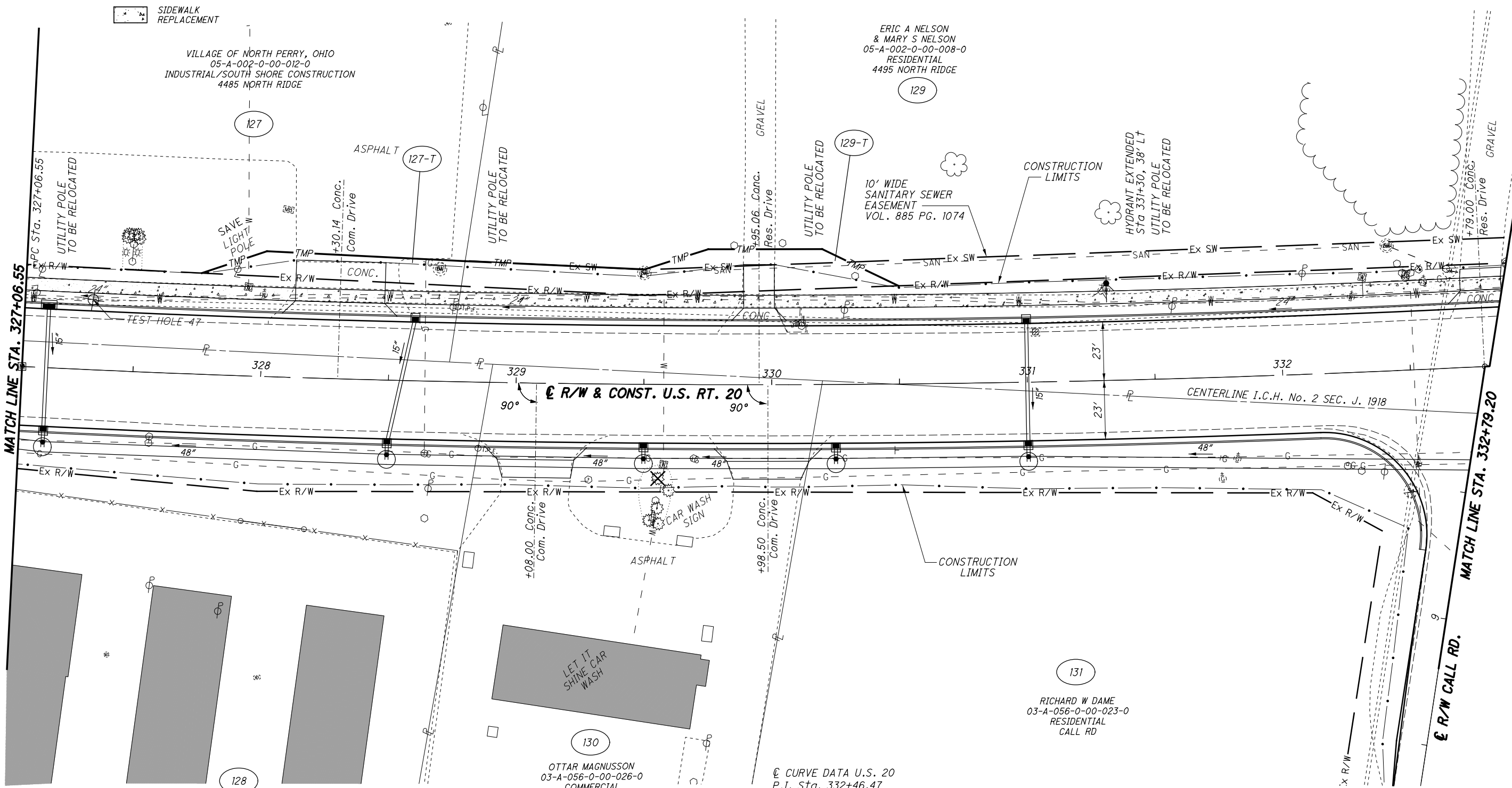
LAK-20-19.59  
PART OF LOT NO. 84 & 83  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



SIDEWALK REPLACEMENT

VILLAGE OF NORTH PERRY, OHIO  
05-A-002-0-00-012-0  
INDUSTRIAL/SOUTH SHORE CONSTRUCTION  
4485 NORTH RIDGE

ERIC A NELSON  
& MARY S NELSON  
05-A-002-0-00-008-0  
RESIDENTIAL  
4495 NORTH RIDGE



MATCH LINE STA. 327+06.55

MATCH LINE STA. 332+79.20

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

NSA PROPERTY HOLDINGS LLC  
03-A-056-0-00-005-0  
4400 NORTH RIDGE  
COMMERCIAL/MINI WAREHOUSE

OTTAR MAGNUSSON  
03-A-056-0-00-026-0  
COMMERCIAL  
4366 NORTH RIDGE

RICHARD W DAME  
03-A-056-0-00-023-0  
RESIDENTIAL  
CALL RD

⊙ CURVE DATA U.S. 20  
P.I. Sta. 332+46.47  
Δ = 10° 45' 30" (LT)  
Dc = 0° 59' 57"  
R = 5,733.94'  
T = 539.92'  
L = 1,076.67'  
E = 25.36'  
C = 1,075.08'  
C.B. = N 77° 15' 32" E

PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 327+06.55 TO STA. 332+79.20**

**LAK-US-20-19.59**  
**PART 1**

130/165

1166  
1253

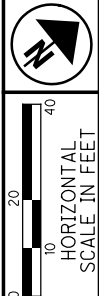
REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 84 & 83  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

**MONUMENT LEGEND**

- ▣ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⊗ RAILROAD SPIKE FOUND
- ⊗ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

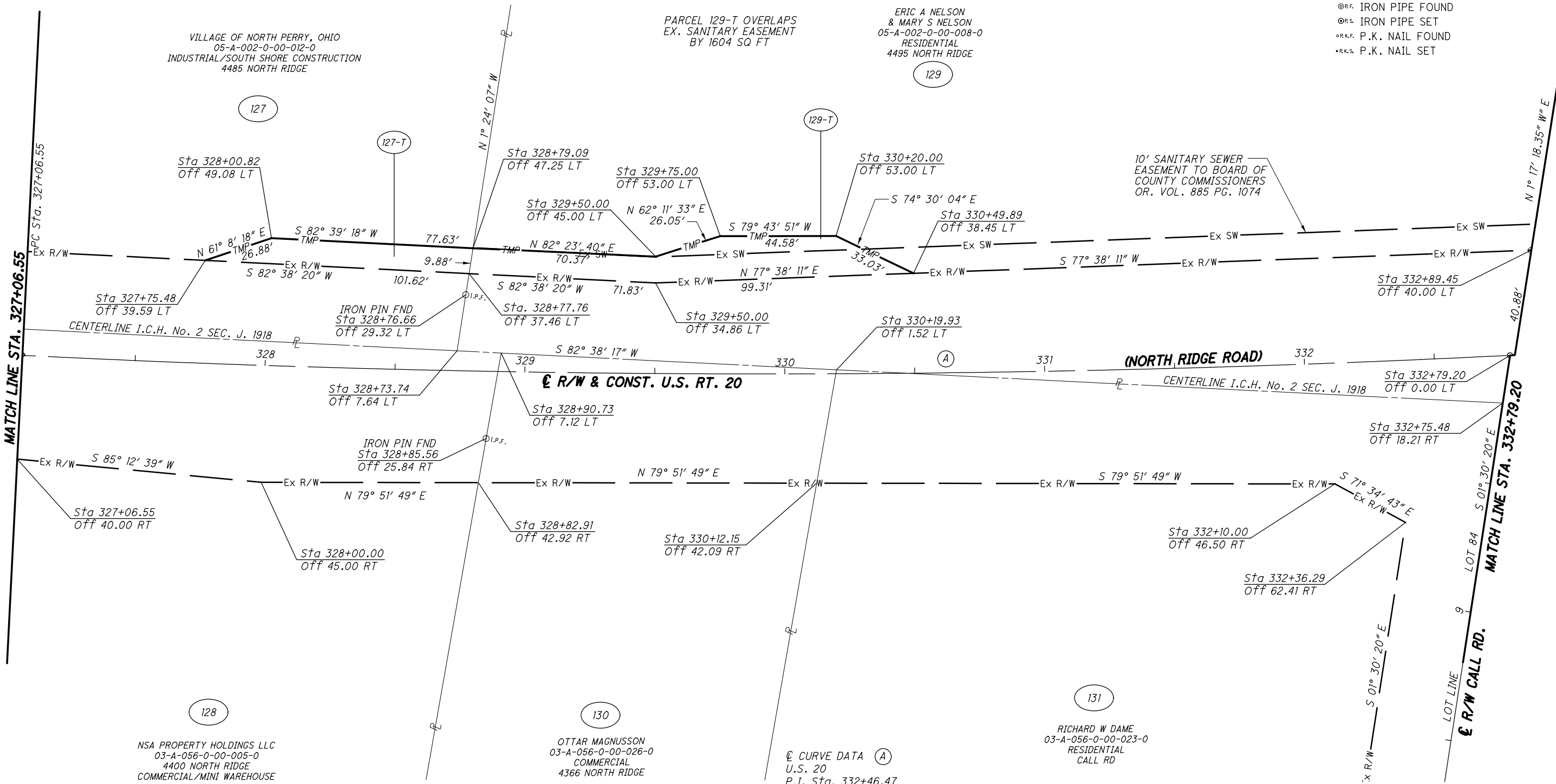
**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 327+06.55 TO STA. 332+79.20**

**LAK-US-20-19.59**  
**PART 1**

131/165

1167  
1253

H:\2018\180743\000\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\08665\_RB04.dgn Sheet 7/15/2022 3:30:34 PM Troyer



**Ⓐ CURVE DATA**  
U.S. 20  
P.I. Sta. 332+46.47  
Δ = 10° 45' 30" (LT)  
Dc = 0° 59' 57"  
R = 5,733.94'  
T = 539.92'  
L = 1,076.67'  
E = 25.36'  
C = 1,075.08'  
C.B. = N 77° 15' 32" E

REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
PART OF LOT NO. 83  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

NORTH PERRY VILLAGE  
05-A-003-0-00-024-0  
EXEMPT PROPERTY  
4511 NORTH RIDGE

GREGORY DIONEFF  
05-A-003-0-00-019-0  
RESIDENTIAL/2 FAMILY  
4515 NORTH RIDGE

DONNA J WILLHOITE  
05-A-003-0-00-017-0  
RESIDENTIAL  
4521 NORTH RIDGE

TRAVIS W DEWIT  
05-A-003-0-00-020-0  
RESIDENTIAL  
4523 NORTH RIDGE

BIONDOLILLO HOLDINGS LLC  
05-A-003-0-00-016-0  
COMMERCIAL/OFFICE  
4537 NORTH RIDGE

THOMAS J ISABELLA  
03-A-066-A-00-011-0  
COMMERCIAL/AUTO SALES  
4516 NORTH RIDGE

GILBERT W BLACKMORE  
03-A-066-A-00-012-0  
RESIDENTIAL  
4538 NORTH RIDGE

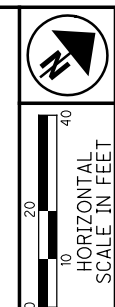
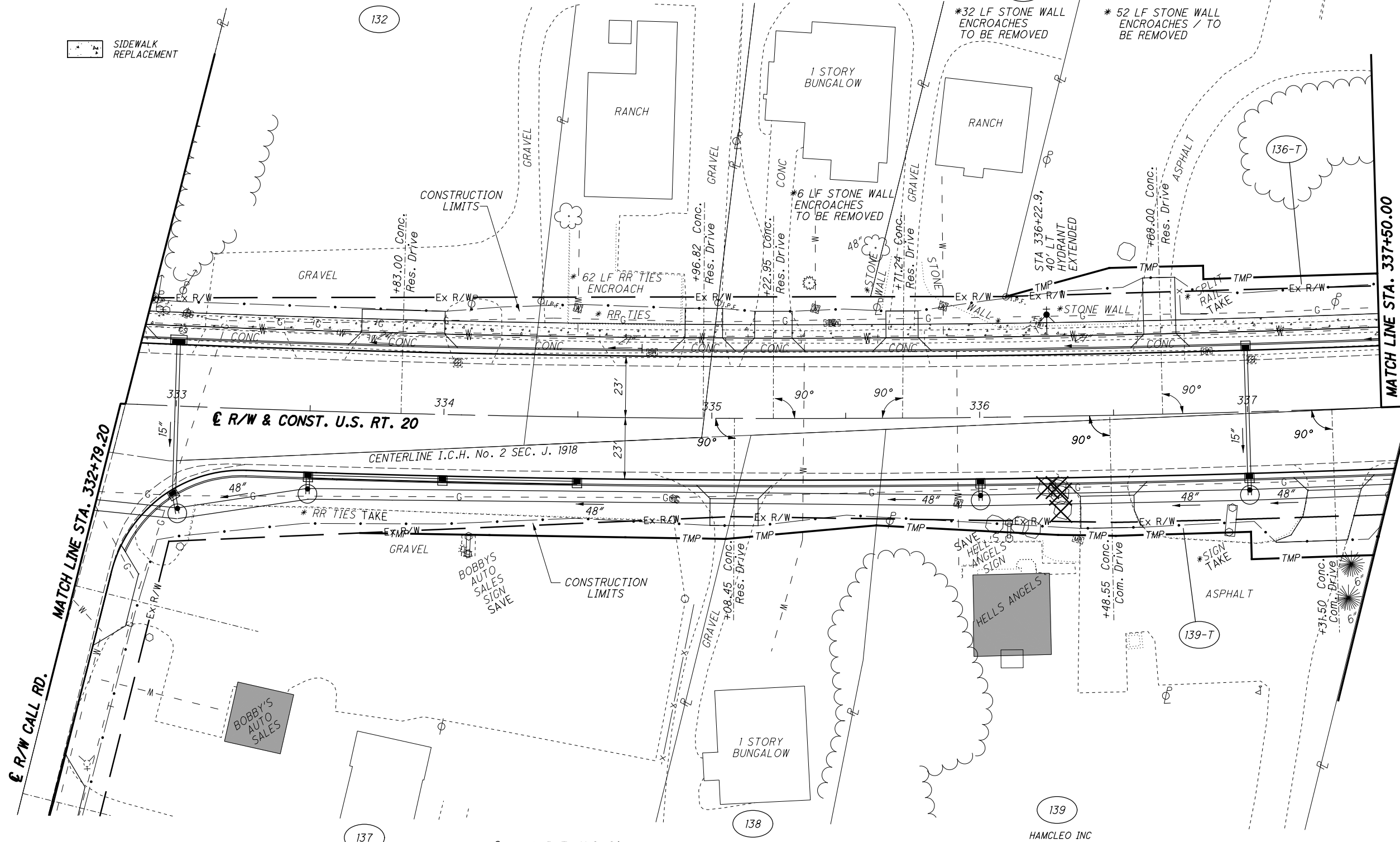
HAMCLEO INC  
03-A-066-A-00-006-0  
MIXED RESIDENTIAL/COMMERCIAL  
4540 NORTH RIDGE

© CURVE DATA U.S. 20  
P.I. Sta. 332+46.47  
 $\Delta = 10^\circ 45' 30''$  (LT)  
 $Dc = 0^\circ 59' 57''$   
 $R = 5,733.94'$   
 $T = 539.92'$   
 $L = 1,076.67'$   
 $E = 25.36'$   
 $C = 1,075.08'$   
 $C.B. = N 77^\circ 15' 32'' E$

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

SIDEWALK REPLACEMENT



PID NO. **108665**  
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 332+79.20 TO STA. 337+50.00**

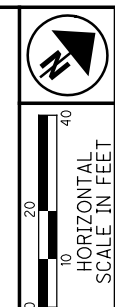
**LAK-US-20-19.59**  
**PART 1**

132/165  
1168  
1253

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 83  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

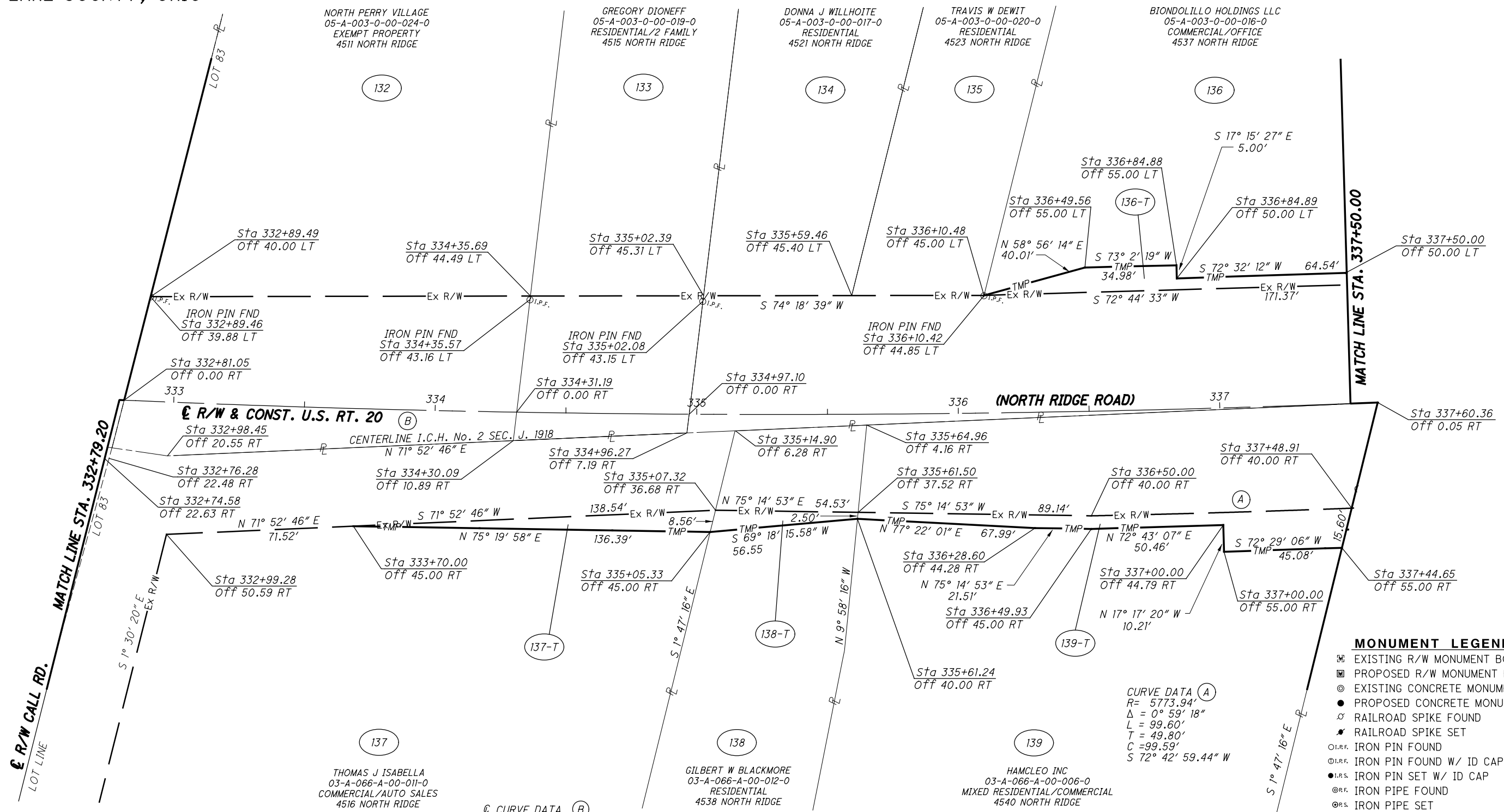
**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 332+79.20 TO STA. 337+50.00**

**LAK-US-20-19.59**  
**PART 1**

133/165

1169  
1253

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**MONUMENT LEGEND**

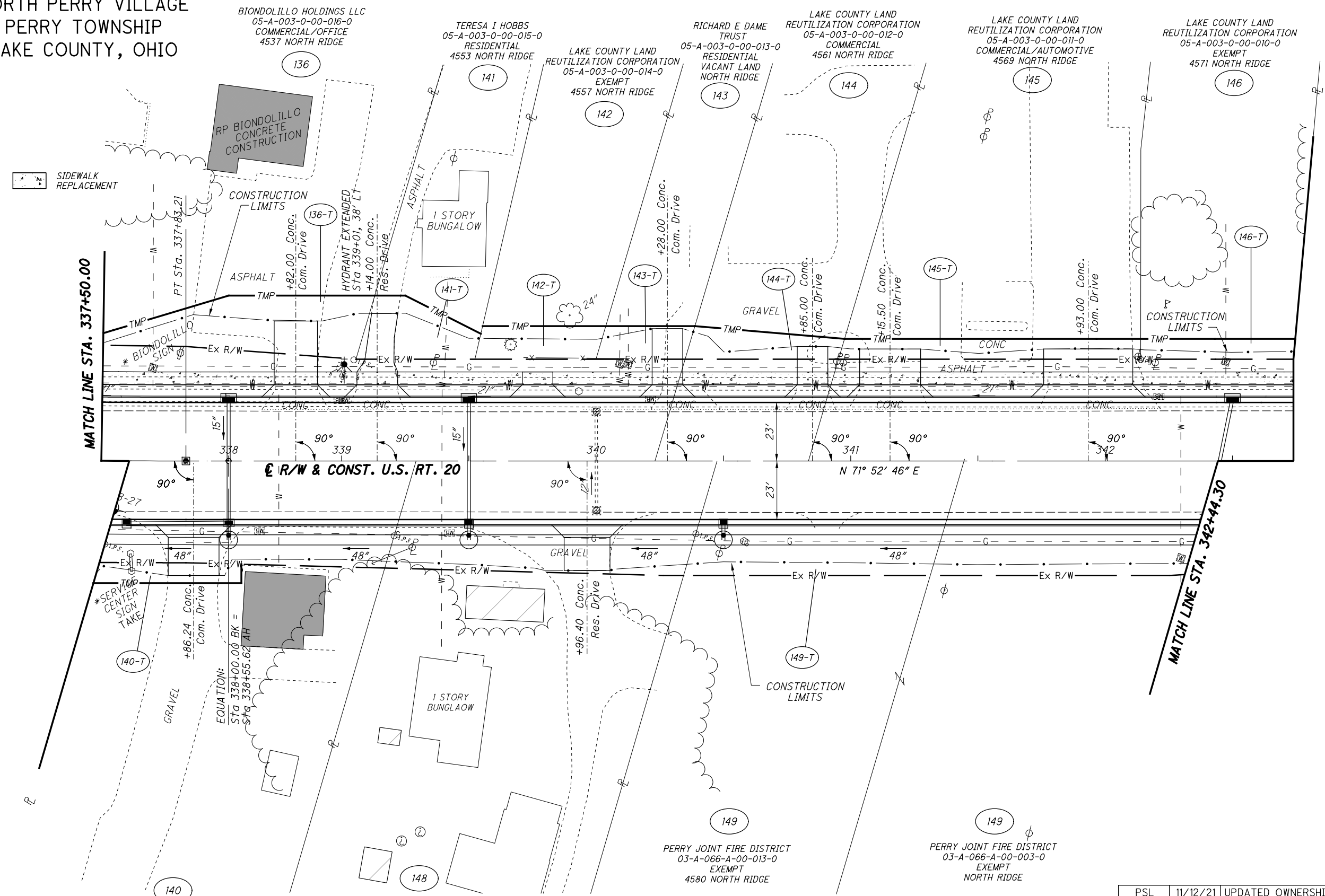
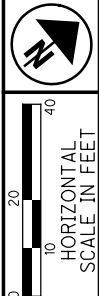
- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- ⊙ PROPOSED CONCRETE MONUMENT
- ⊗ RAILROAD SPIKE FOUND
- ⊛ RAILROAD SPIKE SET
- ⊙ I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- ⊙ I.P.S. IRON PIN SET W/ ID CAP
- ⊙ R.P. IRON PIPE FOUND
- ⊙ R.P.S. IRON PIPE SET
- ⊙ R.K.F. P.K. NAIL FOUND
- ⊙ R.K.S. P.K. NAIL SET

**CURVE DATA (A)**  
R = 5773.94'  
Δ = 0° 59' 18"  
L = 99.60'  
T = 49.80'  
C = 99.59'  
S 72° 42' 59.44" W

**ⓑ CURVE DATA (B)**  
U.S. 20  
P.I. Sta. 332+46.47  
Δ = 10° 45' 30" (LT)  
Dc = 0° 59' 57"  
R = 5,733.94'  
T = 539.92'  
L = 1,076.67'  
E = 25.36'  
C = 1,075.08'  
C.B. = N 77° 15' 32" E

REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
PART OF LOT NO. 83  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



☐ SIDEWALK REPLACEMENT

**STRUCTURE KEY**

☐	RESIDENTIAL
■	COMMERCIAL
▨	OUT-BUILDING

HAMCLEO  
03-A-066-A-00-005-0  
COMMERCIAL  
4558 NORTH RIDGE

EDWARD R BALL JR  
03-A-066-A-00-004-0  
RESIDENTIAL  
4568 NORTH RIDGE

PERRY JOINT FIRE DISTRICT  
03-A-066-A-00-013-0  
EXEMPT  
4580 NORTH RIDGE

PERRY JOINT FIRE DISTRICT  
03-A-066-A-00-003-0  
EXEMPT  
NORTH RIDGE

PSL	11/12/21	UPDATED OWNERSHIP PARCEL 140
REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 337+50.00 TO STA. 342+44.30**

**LAK-US-20-19.59**  
**PART 1**

134/165

1170  
1253

H:\2018\180743\0D0T\ProjectData\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT043.dgn Sheet 7/15/2022 3:30:39 PM Troyer

LAK-20-19.59  
 PART OF LOT NO. 83  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



PID NO. **108665**

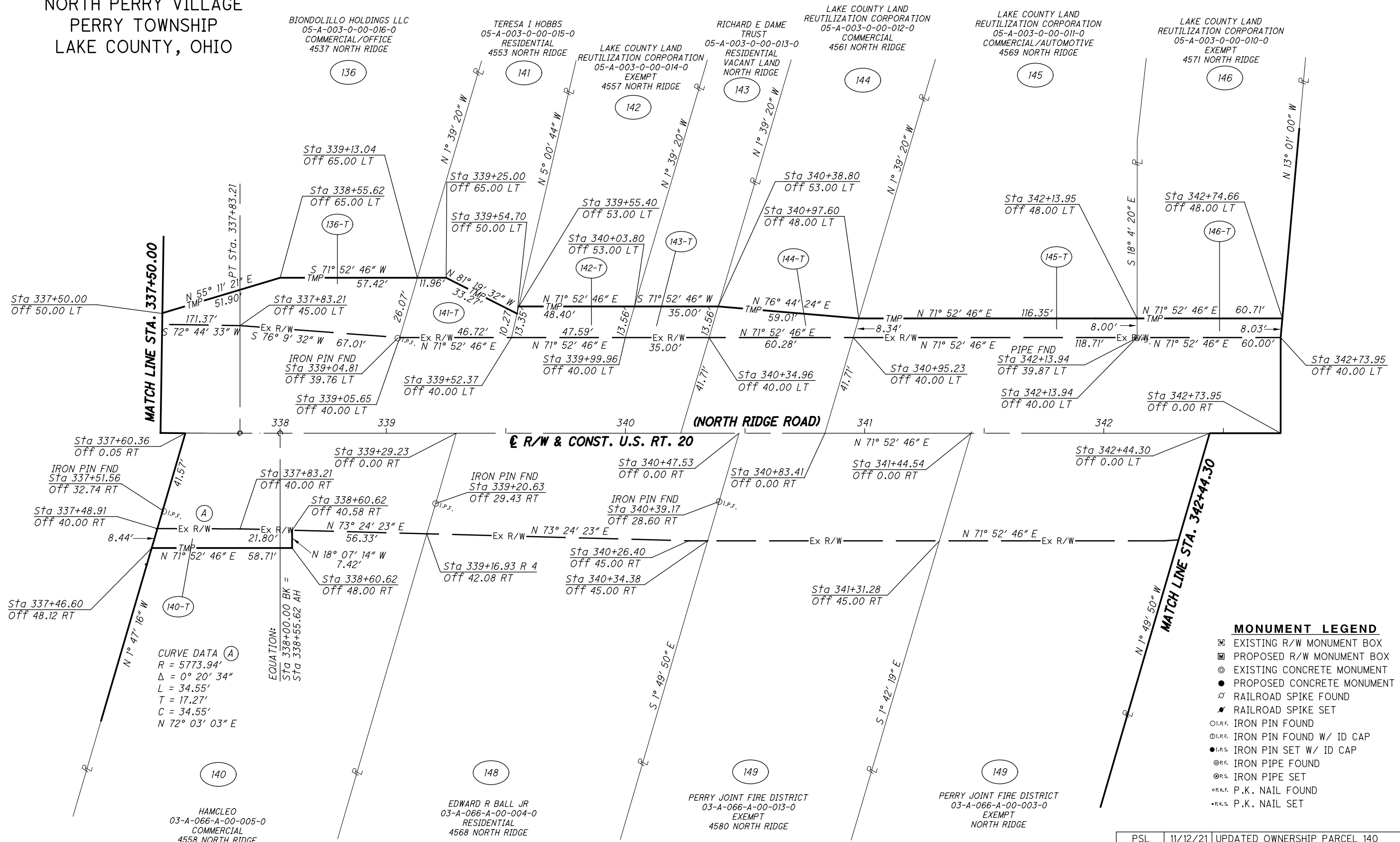
R/W DESIGNER: PSL  
 R/W REVIEWER: TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 337+50.00 TO STA. 342+44.30**

**LAK-US-20-19.59**  
**PART 1**

135 / 165

1171  
 1253



MATCH LINE STA. 337+50.00

MATCH LINE STA. 342+44.30

**CURVE DATA (A)**  
 R = 5773.94'  
 Δ = 0° 20' 34"  
 L = 34.55'  
 T = 17.27'  
 C = 34.55'  
 N 72° 03' 03" E

**EQUATION:**  
 Sta 338+00.00 BK =  
 Sta 338+55.62 AH

- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚓ RAILROAD SPIKE FOUND
  - ⚓ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.F. IRON PIPE FOUND
  - ⊙ I.P.S. IRON PIPE SET
  - ⊙ P.K.F. P.K. NAIL FOUND
  - ⊙ P.K.S. P.K. NAIL SET

PSL	11/12/21	UPDATED OWNERSHIP PARCEL 140
REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 83  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

CHARLETTE R RUF AND  
GREGORY S MORRISON (2/3 INTEREST)  
LANCE MORRISON (1/3 INTEREST)  
05-A-003-0-00-009-0  
RESIDENTIAL  
4579 NORTH RIDGE

CHARLETTE R RUF,  
GREGORY S MORRISON  
& LAWRENCE D MORRISON, JR.  
RESIDENTIAL VACANT LAND  
NORTH RIDGE

RICHARD E DAME, TRUSTEE,  
or his successor trustee, under the  
RICHARD EDWARD DAME,  
REVOCABLE LIVING TRUST,  
RICHARD E DAME, TRUSTEE  
OR HIS SUCCESSOR TRUSTEE  
DATED OCTOBER 30, 1997  
AND AMENDED AND RESTATED  
ON THE 11TH DAY OF APRIL 2013  
05-A-003-00-007-0  
RESIDENTIAL  
4613 NORTH RIDGE

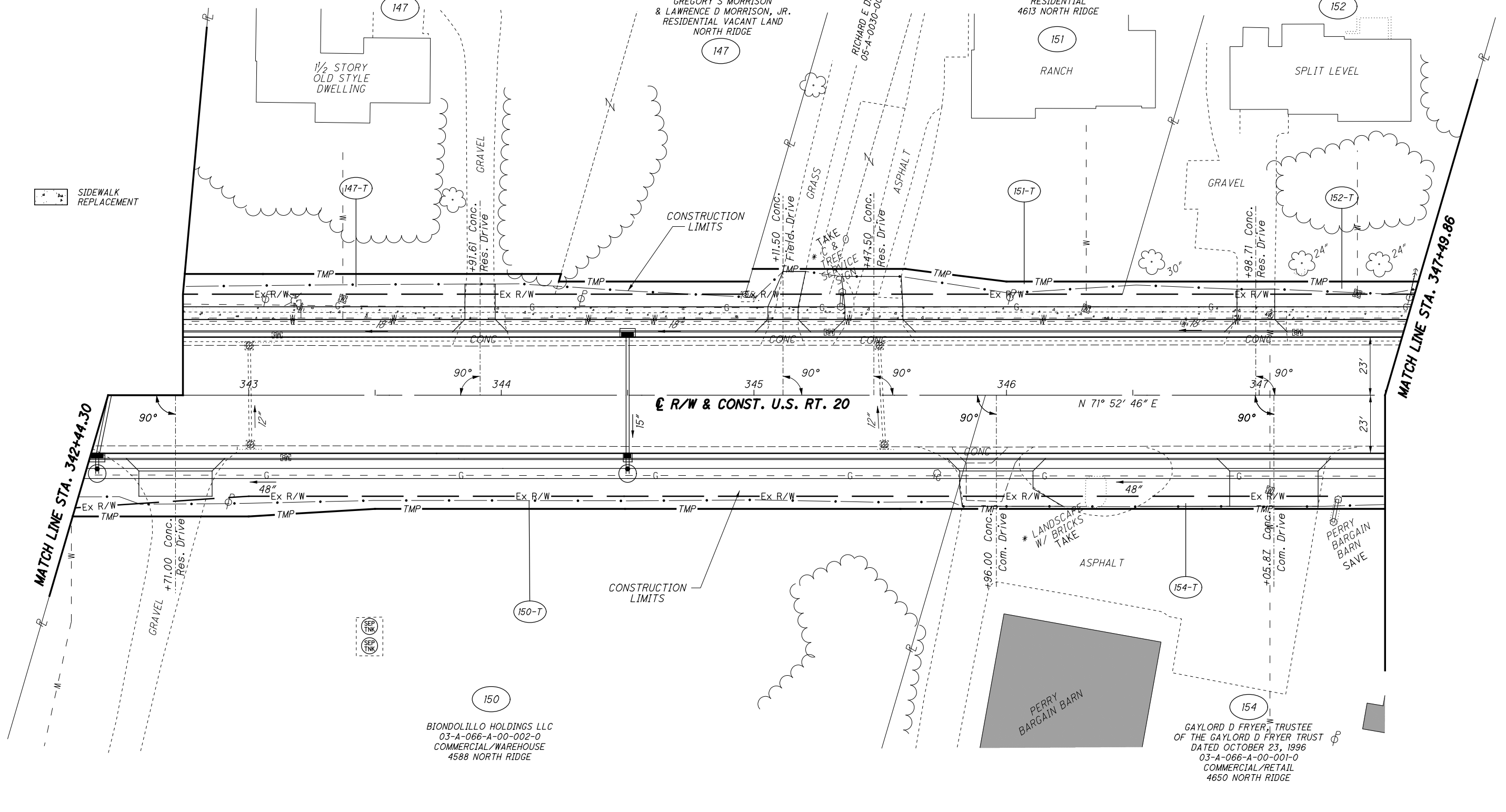
CHARLOTTE D BENDER  
05-A-003-0-00-023-0  
RESIDENTIAL  
4615 NORTH RIDGE

BIONDOLILLO HOLDINGS LLC  
03-A-066-A-00-002-0  
COMMERCIAL/WAREHOUSE  
4588 NORTH RIDGE

GAYLORD D FRYER, TRUSTEE  
OF THE GAYLORD D FRYER TRUST  
DATED OCTOBER 23, 1996  
03-A-066-A-00-001-0  
COMMERCIAL/RETAIL  
4650 NORTH RIDGE

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☐ SIDEWALK REPLACEMENT



**STRUCTURE KEY**

☐	RESIDENTIAL
■	COMMERCIAL
▨	OUT-BUILDING

PSL	11/12/21	UPDATED OWNERSHIP PARCEL 147
REV. BY	DATE	DESCRIPTION
DATE COMPLETED		

  
  
 PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM  
**RIGHT OF WAY TOPO SHEET**  
**STA. 342+44.30 TO STA. 347+49.86**  
**LAK-US-20-19.59**  
**PART 1**  
 136/165  
 1172  
 1253





LAK-20-19.59  
 PART OF LOT NO. 83  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO

DAVID M STROCK  
 05-A-003-0-00-005-0  
 COMMERCIAL  
 4635 NORTH RIDGE

JENNIFER N MOSBY  
 05-A-003-0-00-004-0  
 RESIDENTIAL  
 4655 NORTH RIDGE

CHARLES E WHITE & JERI L WHITE  
 05-A-003-0-00-003-0  
 RESIDENTIAL  
 4671 NORTH RIDGE

KRISTINE L RIBBLETT  
 05-A-003-0-00-002-0  
 RESIDENTIAL  
 4677 NORTH RIDGE

ZIAD DAROWICH III LLC  
 05-A-003-0-00-001-0  
 COMMERCIAL/AUTO SALES  
 4681 NORTH RIDGE

SIDWALK REPLACEMENT

MATCH LINE STA. 347+49.86

MATCH LINE STA. 353+00.00

R/W & CONST. U.S. RT. 20

GAYLORD D FRYER, TRUSTEE  
 OF THE GAYLORD D FRYER TRUST  
 DATED OCTOBER 23, 1996  
 03-A-066-A-00-001-0  
 COMMERCIAL/RETAIL  
 4650 NORTH RIDGE

MDC COAST 2 LLC  
 03-A-066-0-00-010-0  
 COMMERCIAL/DOLLAR GENERAL  
 4660 NORTH RIDGE

LORETA PROPERTIES INC  
 03-A-066-0-00-008-0  
 RESIDENTIAL VACANT LAND  
 NORTH RIDGE

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION

HORIZONTAL SCALE IN FEET

PID NO. **108665**

R/W DESIGNER: PSL  
 R/W REVIEWER: TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 347+49.86 TO STA. 353+00.00**

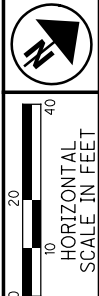
**LAK-US-20-19.59**  
**PART 1**

138 / 165

1174  
1253

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LAK-20-19.59  
PART OF LOT NO. 83  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



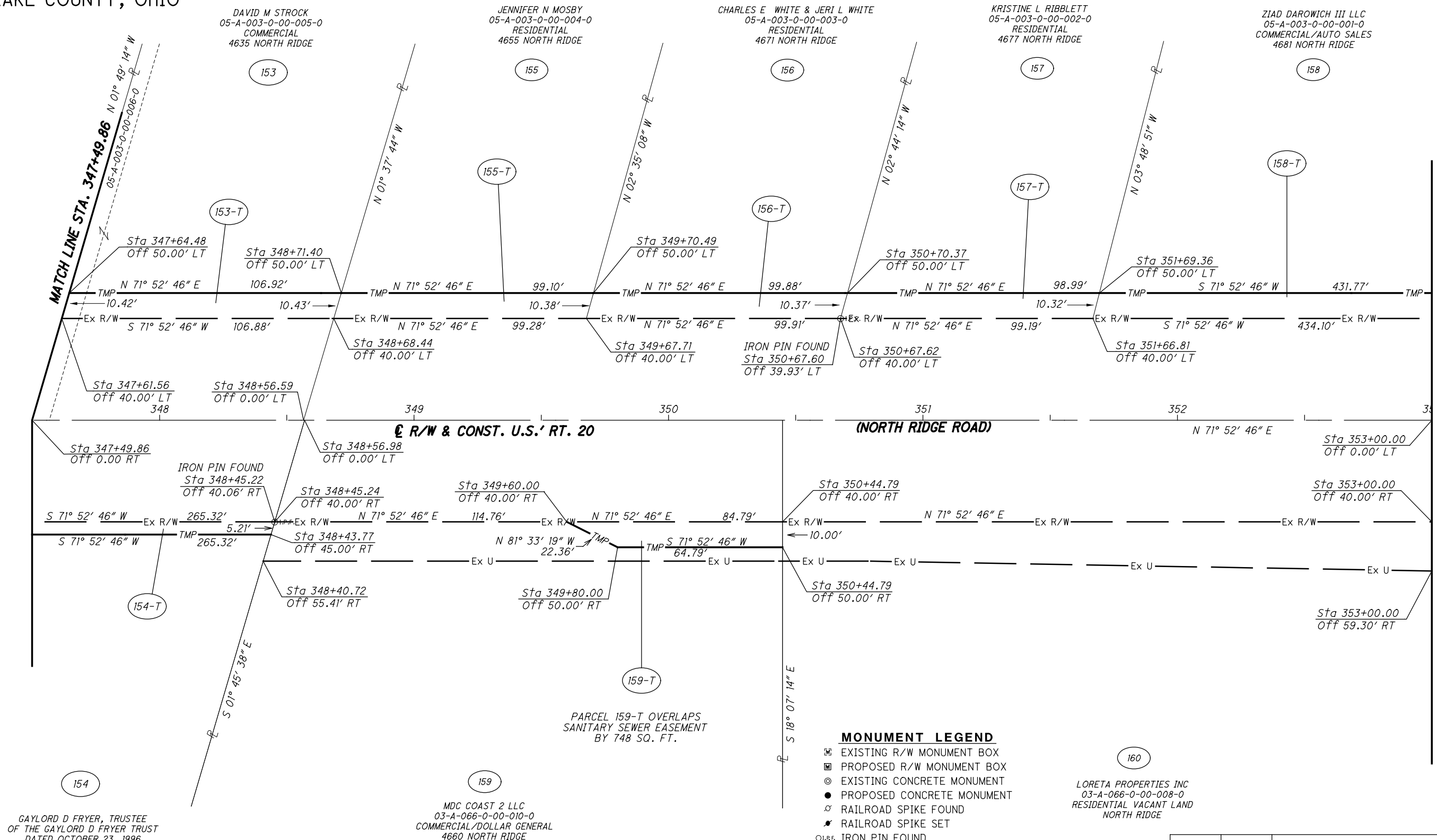
PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 347+49.86 TO STA. 353+00.00**

**LAK-US-20-19.59**  
**PART 1**

139/165  
1175  
1253

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- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚡ RAILROAD SPIKE FOUND
  - ⚡ RAILROAD SPIKE SET
  - ⊙ I.P.F. IRON PIN FOUND
  - ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.F. IRON PIPE FOUND
  - ⊙ I.P.S. IRON PIPE SET
  - ⊙ P.K.F. P.K. NAIL FOUND
  - P.K.S. P.K. NAIL SET

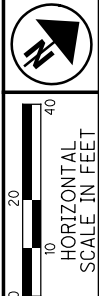
REV. BY	DATE	DESCRIPTION

GAYLORD D FRYER, TRUSTEE  
OF THE GAYLORD D FRYER TRUST  
DATED OCTOBER 23, 1996  
03-A-066-A-00-001-0  
COMMERCIAL/RETAIL  
4650 NORTH RIDGE

MDC COAST 2 LLC  
03-A-066-0-00-010-0  
COMMERCIAL/DOLLAR GENERAL  
4660 NORTH RIDGE

LORETA PROPERTIES INC  
03-A-066-0-00-008-0  
RESIDENTIAL VACANT LAND  
NORTH RIDGE

LAK-20-19.59  
 PART OF LOT NO. 83 & 82  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



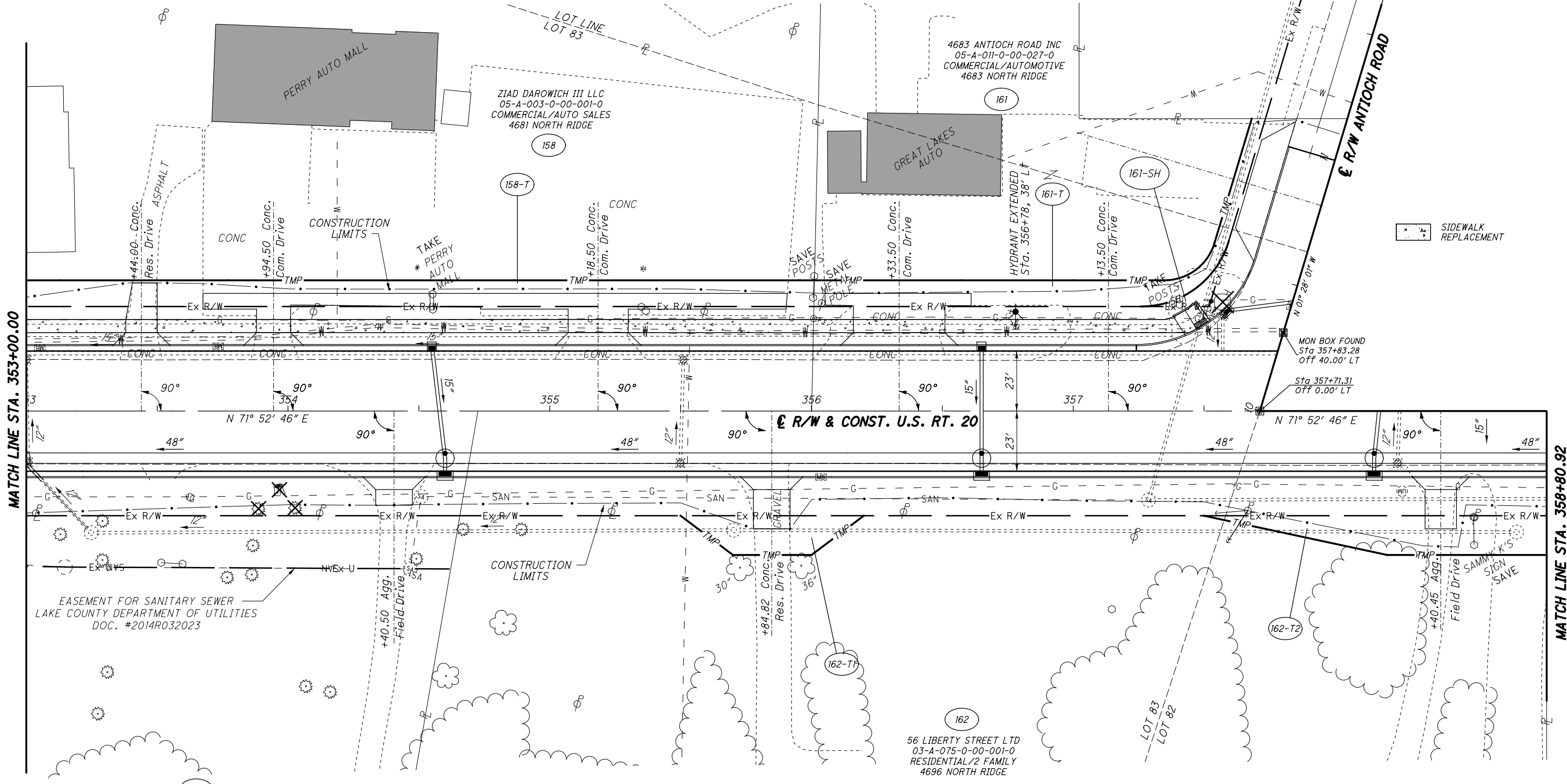
PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 353+00.00 TO STA. 358+80.92**

**LAK-US-20-19.59**  
**PART 1**

140/165

1176  
 1253



MATCH LINE STA. 353+00.00

MATCH LINE STA. 358+80.92

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EASEMENT FOR SANITARY SEWER  
 LAKE COUNTY DEPARTMENT OF UTILITIES  
 DOC. #2014R032023

160  
 LORETA PROPERTIES INC  
 03-A-066-0-00-008-0  
 RESIDENTIAL VACANT LAND  
 NORTH RIDGE

158  
 ZIAD DAROWICH III LLC  
 05-A-003-0-00-001-0  
 COMMERCIAL/AUTO SALES  
 4681 NORTH RIDGE

161  
 4683 ANTIOCH ROAD INC  
 05-A-011-0-00-027-0  
 COMMERCIAL/AUTOMOTIVE  
 4683 NORTH RIDGE

GREAT LAKES  
 AUTO

162  
 56 LIBERTY STREET LTD  
 03-A-075-0-00-001-0  
 RESIDENTIAL/2 FAMILY  
 4696 NORTH RIDGE

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION



LAK-20-19.59  
PART OF LOT NO. 82 & 92  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**

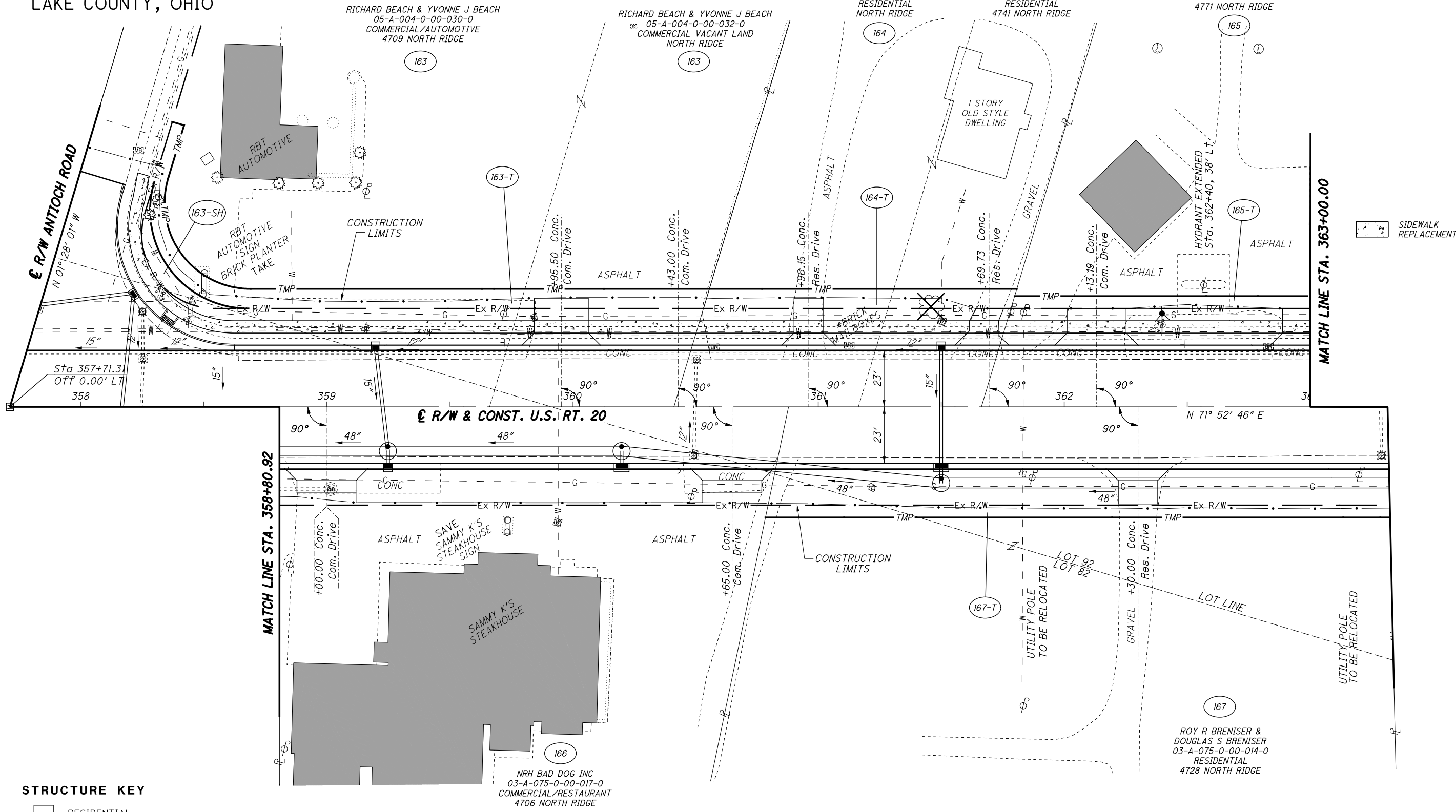
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 358+80.92 TO STA. 363+00.00**

**LAK-US-20-19.59**  
**PART 1**

142/165

1178  
1253



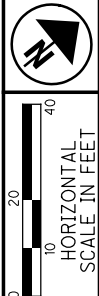
**STRUCTURE KEY**

[White box]	RESIDENTIAL
[Grey box]	COMMERCIAL
[Hatched box]	OUT-BUILDING

PSL	12/01/21	UPDATED OWNERSHIP PARCEL 164
REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 82 & 92  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

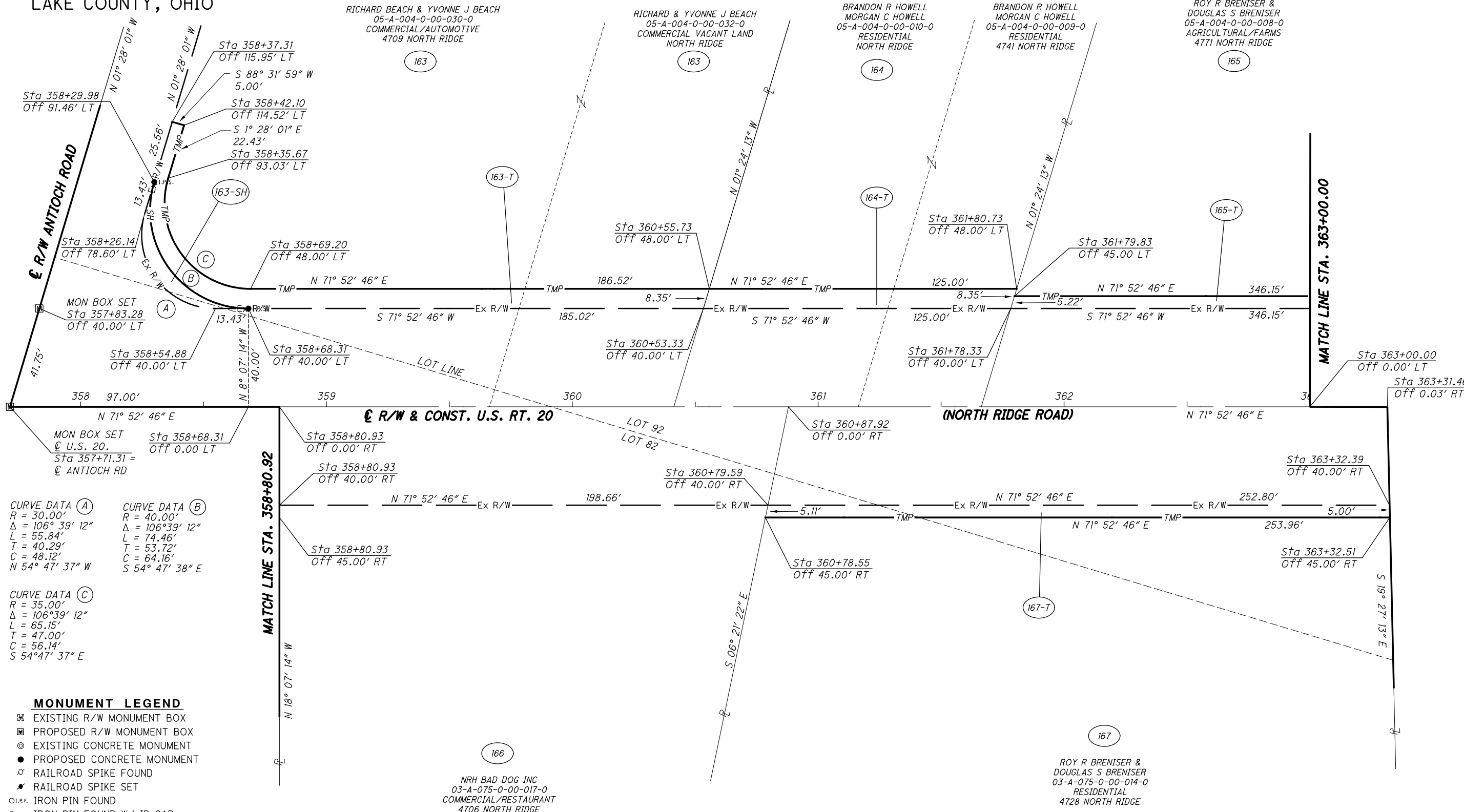


PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 358+80.92 to sta. 363+00.00**

**LAK-US-20-19.59**  
**PART 1**

143/165  
1179  
1253



**CURVE DATA (A)**  
R = 30.00'  
Δ = 106° 39' 12"  
L = 55.84'  
T = 40.29'  
C = 48.12'  
N 54° 47' 37" W

**CURVE DATA (B)**  
R = 40.00'  
Δ = 106° 39' 12"  
L = 74.46'  
T = 53.72'  
C = 64.16'  
S 54° 47' 38" E

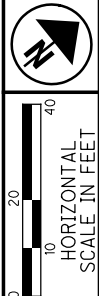
**CURVE DATA (C)**  
R = 35.00'  
Δ = 106° 39' 12"  
L = 65.15'  
T = 47.00'  
C = 56.14'  
S 54° 47' 37" E

- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚡ RAILROAD SPIKE FOUND
  - ⚡ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ I.P.F. IRON PIPE FOUND
  - ⊙ I.P.S. IRON PIPE SET
  - P.K.F. P.K. NAIL FOUND
  - P.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION
PSL	12/01/21	UPDATED OWNERSHIP PARCEL 164
PSL	12/16/21	REVISED CURVE DATA PARCEL 163-T

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LAK-20-19.59  
 PART OF LOT NO. 92  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



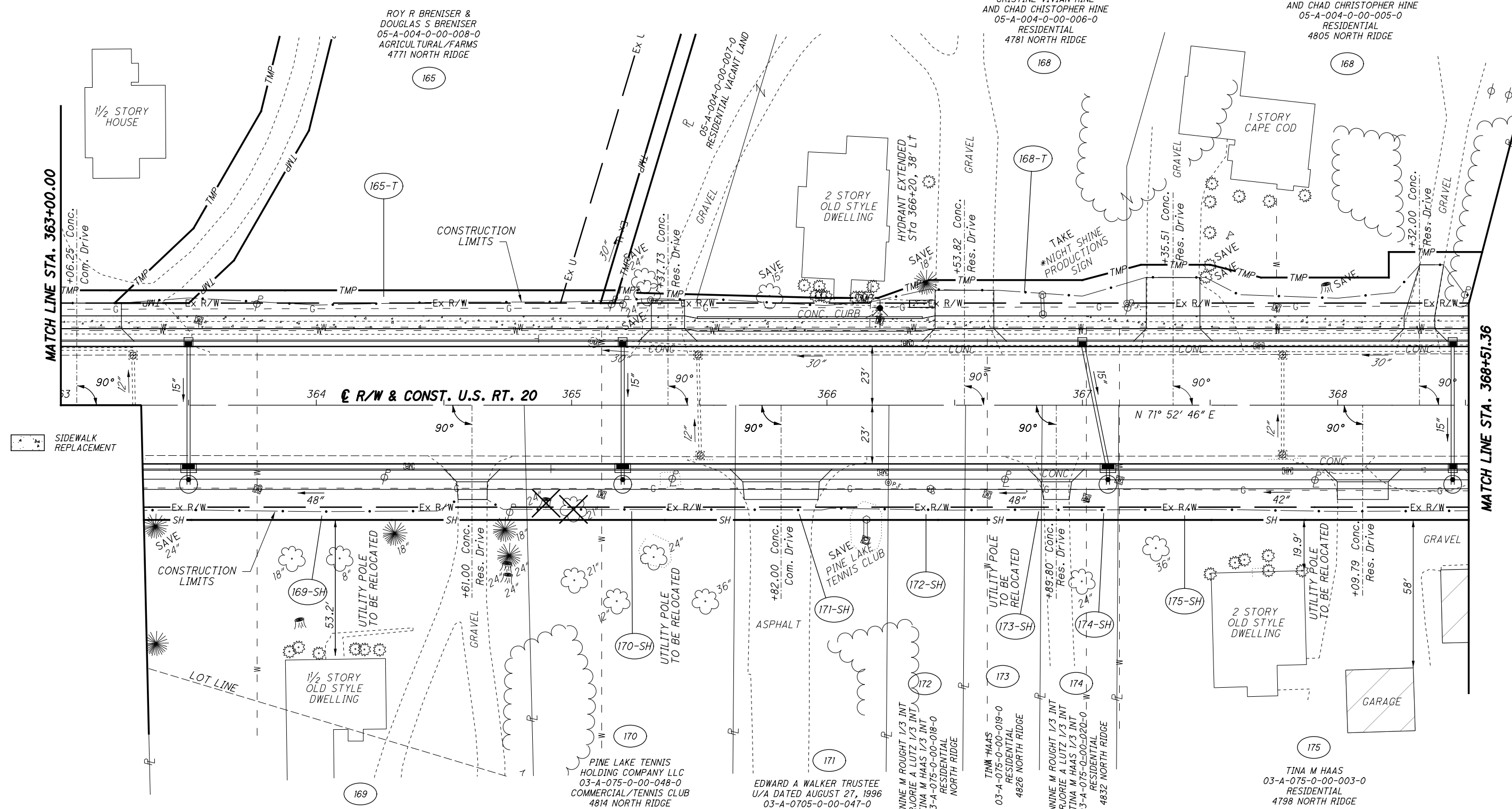
PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**STA. 363+00.00 TO STA. 368+51.36**

**LAK-US-20-19.59**  
**PART 1**

144/165  
 1180  
 1253

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**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

TMM	1/17/22	UPDATED OWNERSHIP PARCELS 172 & 174
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>

ROY R BRENERISER &  
 DOUGLAS S BRENERISER  
 05-A-004-0-00-008-0  
 AGRICULTURAL/FARMS  
 4771 NORTH RIDGE

JOYCE L HAYES, fna JOYCE L QUICKEL  
 CRISTINE VIVIAN HINE  
 AND CHAD CHRISTOPHER HINE  
 05-A-004-0-00-006-0  
 RESIDENTIAL  
 4781 NORTH RIDGE

JOYCE L HAYES, fna JOYCE L QUICKEL  
 CRISTINE VIVIAN HINE  
 AND CHAD CHRISTOPHER HINE  
 05-A-004-0-00-005-0  
 RESIDENTIAL  
 4805 NORTH RIDGE

RAYMOND J BRILL, JR & SUSAN G BRILL  
 03-A-075-0-00-002-0  
 RESIDENTIAL  
 4776 NORTH RIDGE

PINE LAKE TENNIS  
 HOLDING COMPANY LLC  
 03-A-075-0-00-048-0  
 COMMERCIAL/TENNIS CLUB  
 4814 NORTH RIDGE

EDWARD A WALKER TRUSTEE  
 U/A DATED AUGUST 27, 1996  
 03-A-0705-0-00-047-0  
 RESIDENTIAL  
 4787 NORTH RIDGE

JEANNINE M ROUGHT 1/3 INT  
 MARJORIE A LUTZ 1/3 INT  
 TINA M HAAS 1/3 INT  
 03-A-075-0-00-018-0  
 RESIDENTIAL  
 NORTH RIDGE

TINA M HAAS  
 03-A-075-0-00-019-0  
 RESIDENTIAL  
 4826 NORTH RIDGE

JEANNINE M ROUGHT 1/3 INT  
 MARJORIE A LUTZ 1/3 INT  
 TINA M HAAS 1/3 INT  
 03-A-075-0-00-020-0  
 RESIDENTIAL  
 4832 NORTH RIDGE

TINA M HAAS  
 03-A-075-0-00-003-0  
 RESIDENTIAL  
 4798 NORTH RIDGE





LAK-20-19.59  
 PART OF LOT NO. 92  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO

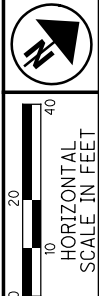
ARRT2 PROPERTIES LLC  
 05-A-004-0-00-004-0  
 INDUSTRIAL/SMALL SHOPS  
 4825 NORTH RIDGE

ARRT2 PROPERTIES LLC  
 05-A-004-0-00-034-0  
 INDUSTRIAL VACANT LAND  
 NORTH RIDGE

JOSEPH J FELLOWS  
 05-A-004-0-00-038-0  
 COMMERCIAL/GARAGES  
 4843 NORTH RIDGE

CINDY L FARRIN  
 05-A-004-0-00-041-0  
 RESIDENTIAL  
 4867 NORTH RIDGE

SIDWALK  
 REPLACEMENT



PID NO. 108665

R/W DESIGNER PSL  
 R/W REVIEWER TMM

RIGHT OF WAY TOPO SHEET  
 STA. 368+51.36 TO STA. 373+84.04

LAK-US-20-19.59  
 PART 1

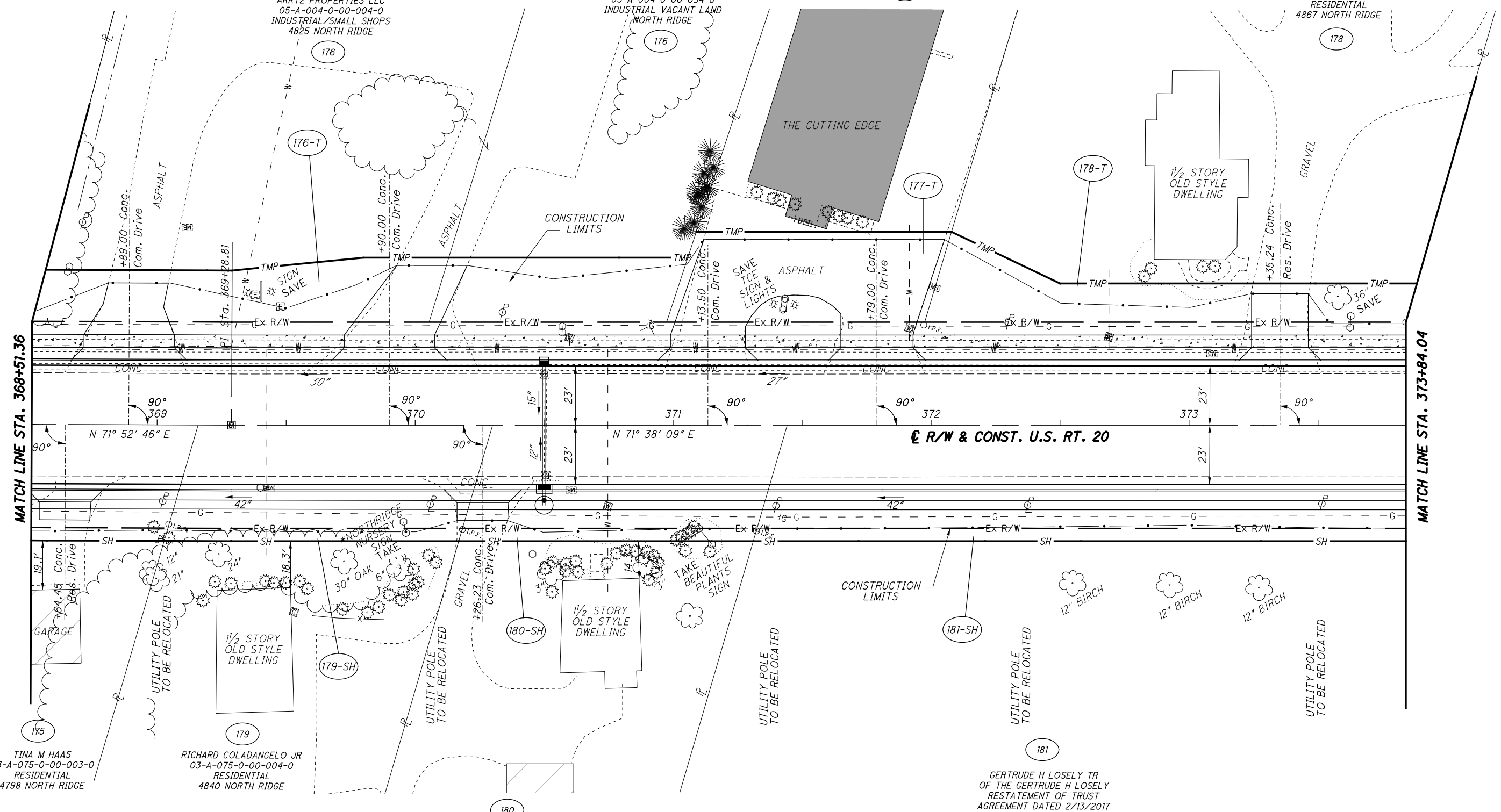
146/165

1182  
 1253

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MATCH LINE STA. 368+51.36

MATCH LINE STA. 373+84.04

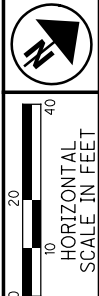


**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

TMM	1/20/22	ADDED SIGN PARCEL 176
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>

LAK-20-19.59  
PART OF LOT NO. 92  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

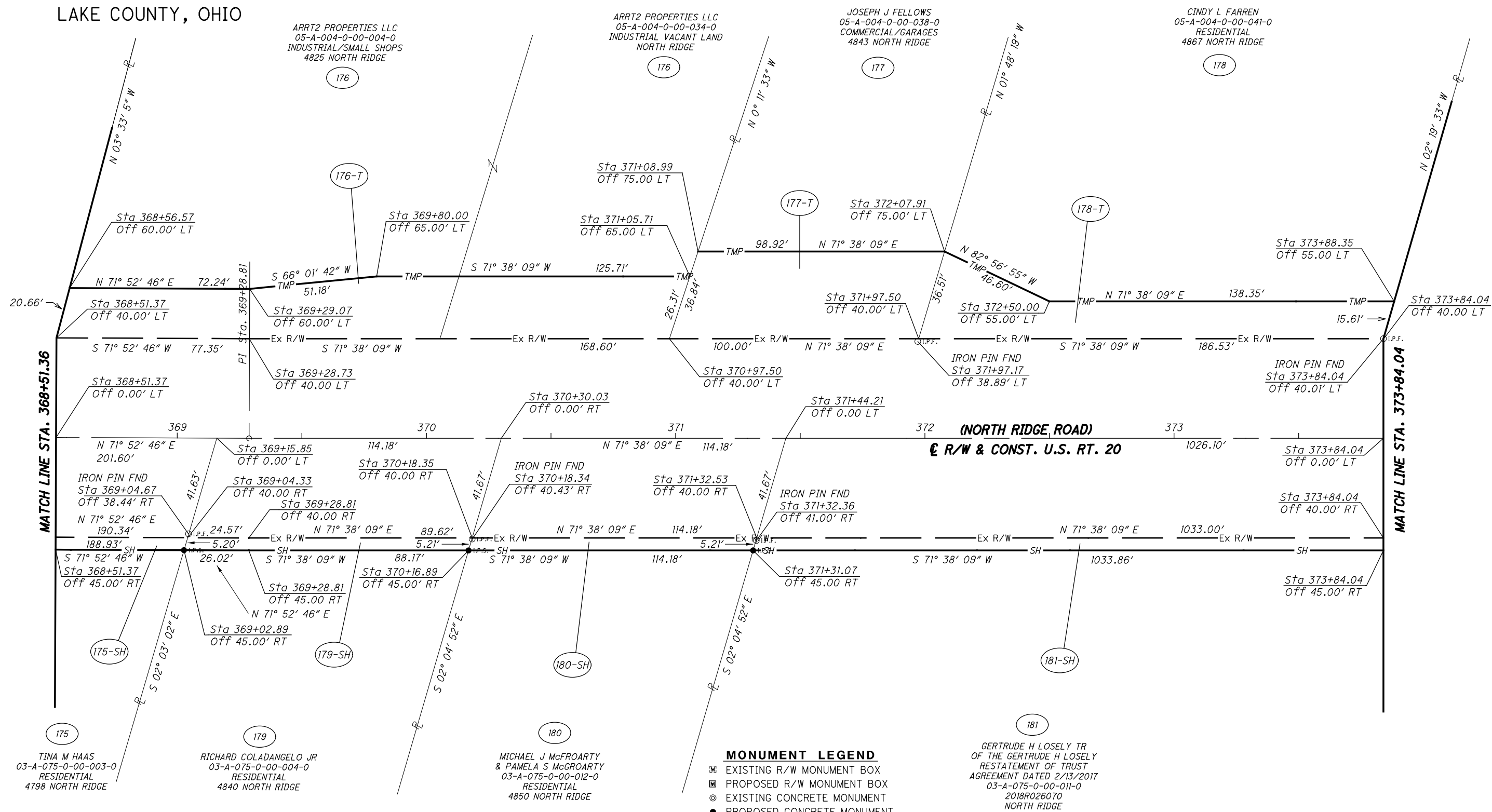
**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 363+00.00 TO STA. 368 +51.36**

**LAK-US-20-19.59**  
**PART 1**

147/165

1183  
1253

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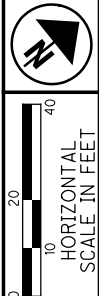
**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊕ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ♣ RAILROAD SPIKE FOUND
- ♠ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ◐ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

GERTRUDE H LOSELY TR  
OF THE GERTRUDE H LOSELY  
RESTATEMENT OF TRUST  
AGREEMENT DATED 2/13/2017  
03-A-075-0-00-011-0  
2018R026070  
NORTH RIDGE

REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
PART OF LOT NO. 92  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. 108665  
R/W DESIGNER PSL  
R/W REVIEWER TMM

RIGHT OF WAY TOPO SHEET  
STA. 373+84.04 TO STA. 379+00.00

LAK-US-20-19.59  
PART 1

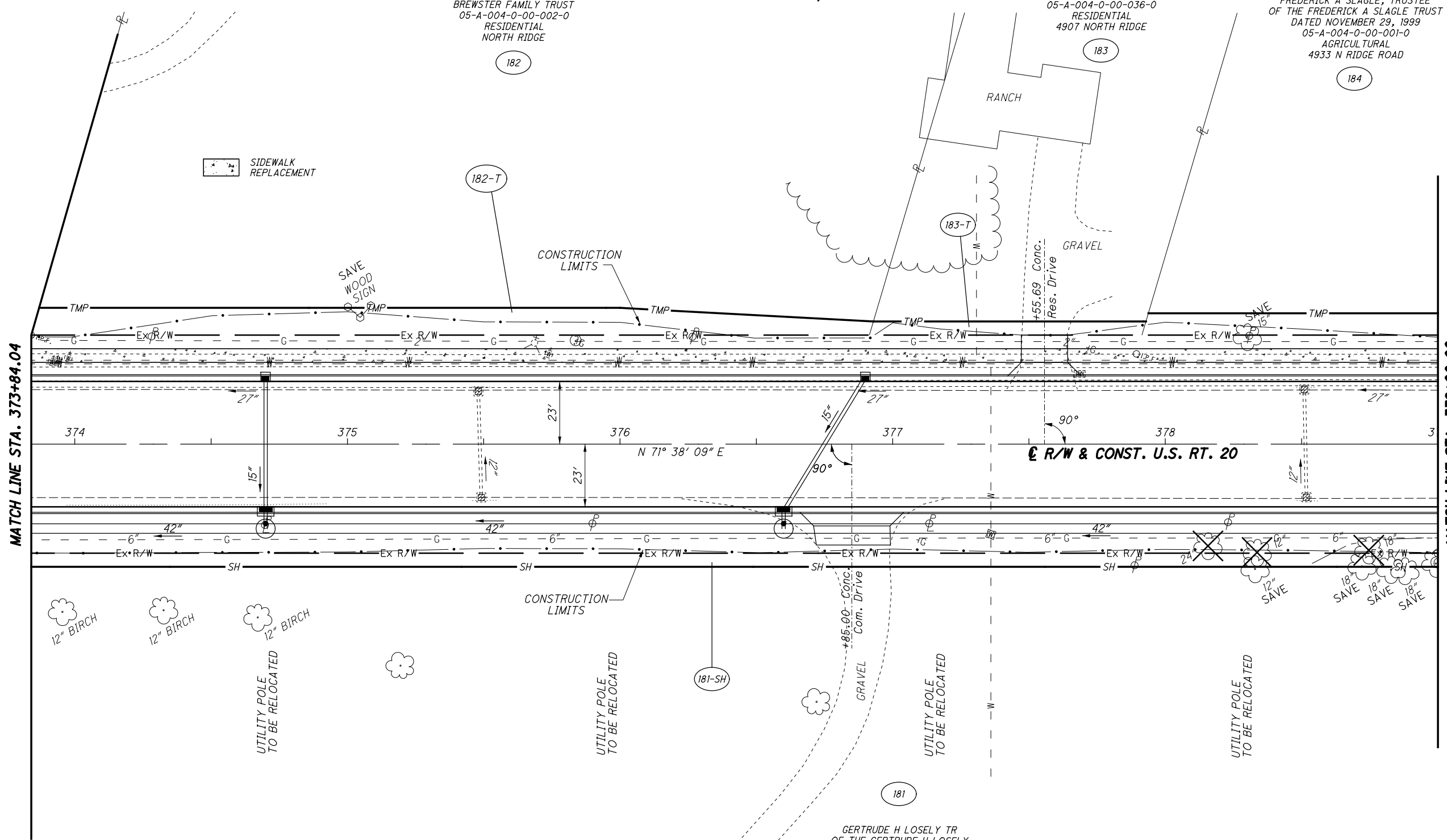
148/165  
1184  
1253

KAREN PRICE, TRUSTEE OF  
BREWSTER FAMILY TRUST  
05-A-004-0-00-002-0  
RESIDENTIAL  
NORTH RIDGE

JOSEPH R VOJACEK & LISA R VOJACEK  
05-A-004-0-00-036-0  
RESIDENTIAL  
4907 NORTH RIDGE

FREDERICK A SLAGLE, TRUSTEE  
OF THE FREDERICK A SLAGLE TRUST  
DATED NOVEMBER 29, 1999  
05-A-004-0-00-001-0  
AGRICULTURAL  
4933 N RIDGE ROAD

GERTRUDE H LOSELY TR  
OF THE GERTRUDE H LOSELY  
RESTATEMENT OF TRUST  
AGREEMENT DATED 2/13/2017  
03-A-075-0-00-011-0  
AGRICULTURAL  
NORTH RIDGE



STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

PSL	9/30/21	ADDED PARCEL 182-T
REV. BY	DATE	DESCRIPTION

H:\2018\180743\0D0T\Projec+Data\08665\_LAK\_20\_WEST\Design\RW\Sheets\108665\_RT050.dgn Sheet 7/15/2022 3:30:57 PM troyer

LAK-20-19.59  
PART OF LOT NO. 92  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO.  
**108665**

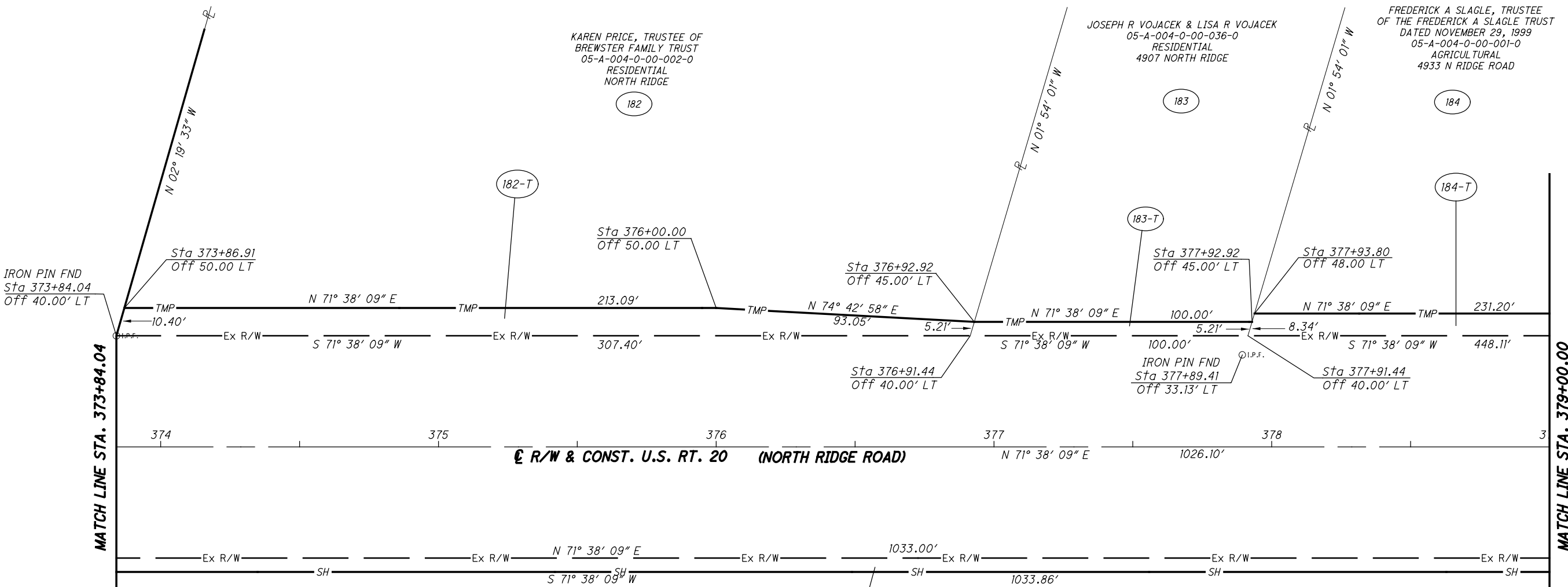
R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 373+84.04 TO STA. 379+00.00**

**LAK-US-20-19.59**  
**PART 1**

149/165

1185  
1253



**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⌵ RAILROAD SPIKE FOUND
- ⌵ RAILROAD SPIKE SET
- ⊙ I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

GERTRUDE H LOSELY TR  
OF THE GERTRUDE H LOSELY  
RESTATEMENT OF TRUST  
AGREEMENT DATED 2/13/2017  
03-A-075-0-00-011-0  
AGRICULTURAL  
NORTH RIDGE

PSL	9/30/21	ADDED PARCEL 182-T
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>

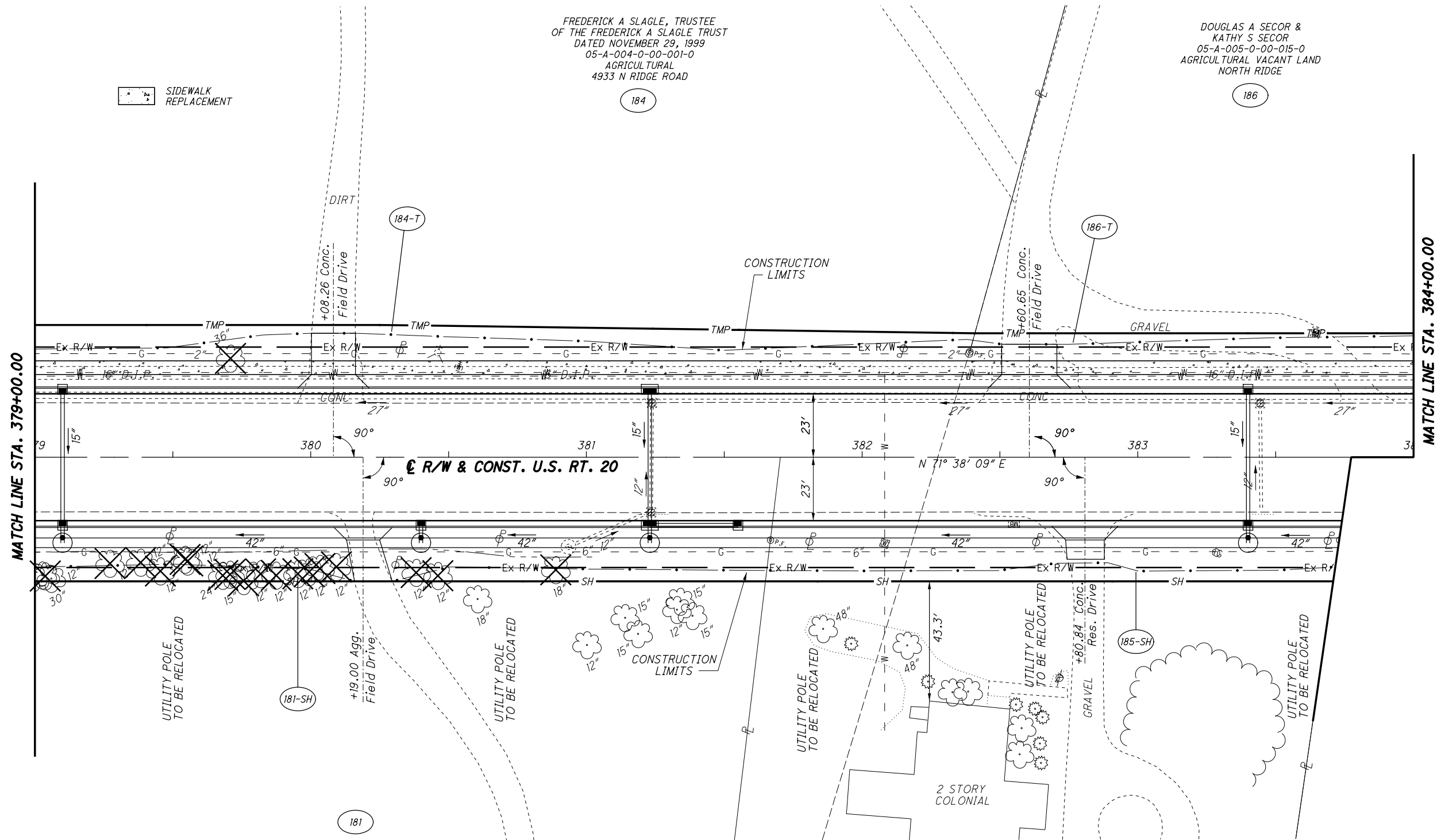
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LAK-20-19.59  
 PART OF LOT NO. 92 & 91  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO

FREDERICK A SLAGLE, TRUSTEE  
 OF THE FREDERICK A SLAGLE TRUST  
 DATED NOVEMBER 29, 1999  
 05-A-004-0-00-001-0  
 AGRICULTURAL  
 4933 N RIDGE ROAD

DOUGLAS A SECOR &  
 KATHY S SECOR  
 05-A-005-0-00-015-0  
 AGRICULTURAL VACANT LAND  
 NORTH RIDGE

SIDWALK  
 REPLACEMENT



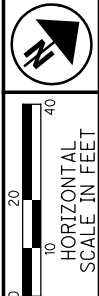
STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

GERTRUDE H LOSELY TR  
 OF THE GERTRUDE H LOSELY  
 RESTATEMENT OF TRUST  
 AGREEMENT DATED 2/13/2017  
 03-A-075-0-00-011-0  
 AGRICULTURAL  
 NORTH RIDGE

ROBERT S HOLLAR II &  
 JENNIFER A HOLLAR  
 03-A-084-0-00-004-0  
 RESIDENTIAL  
 4896 NORTH RIDGE

REV. BY	DATE	DESCRIPTION



PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

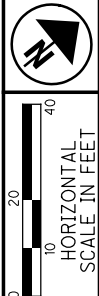
RIGHT OF WAY TOPO SHEET  
 STA. 379+00.00 TO STA. 384+00.00

LAK-US-20-19.59  
 PART 1

150/165  
 1186  
 1253

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LAK-20-19.59  
PART OF LOT NO. 92 & 91  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 379+00.00 TO STA. 384+00.00**

**LAK-US-20-19.59**  
**PART 1**

151 / 165

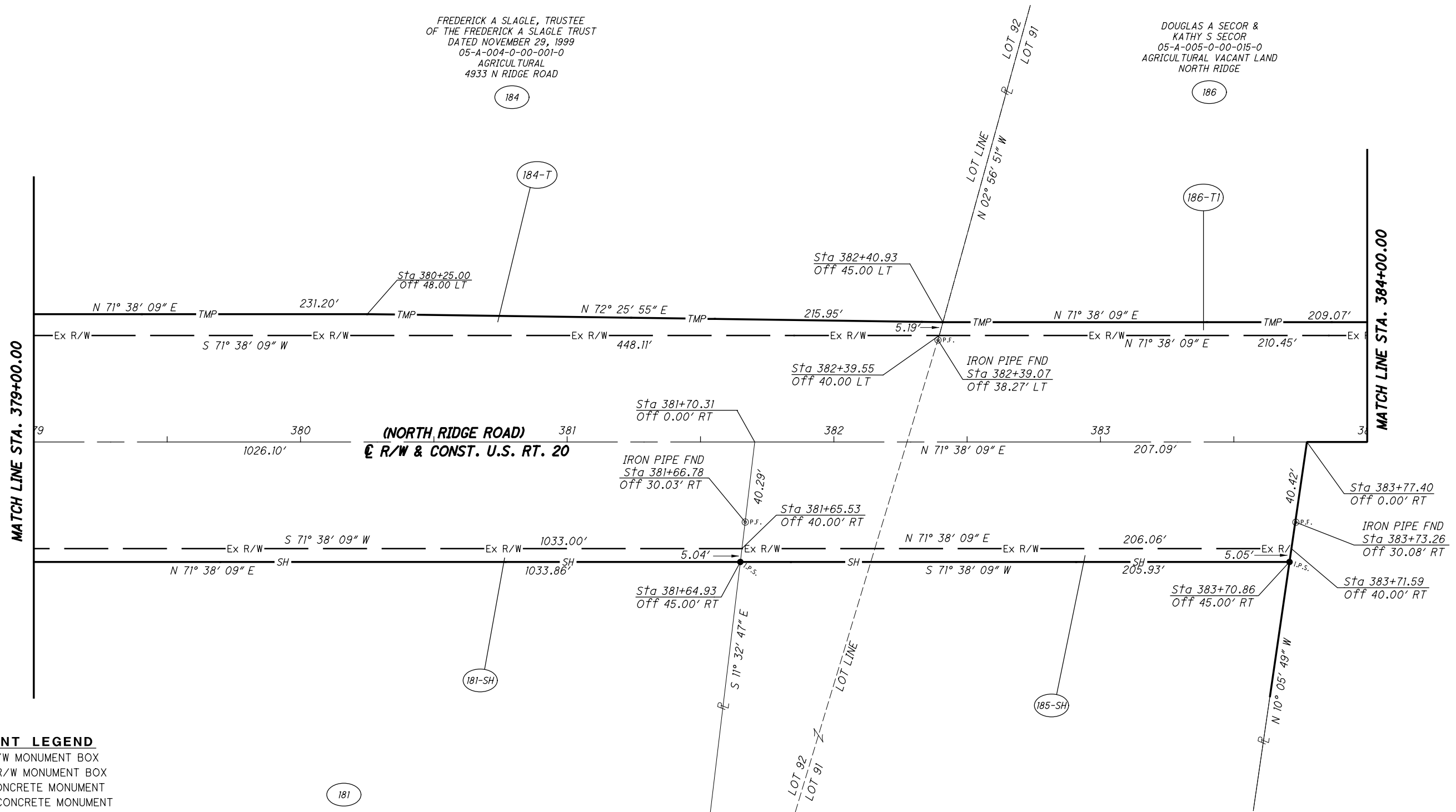
1187  
1253

FREDERICK A SLAGLE, TRUSTEE  
OF THE FREDERICK A SLAGLE TRUST  
DATED NOVEMBER 29, 1999  
05-A-004-0-00-001-0  
AGRICULTURAL  
4933 N RIDGE ROAD

DOUGLAS A SECOR &  
KATHY S SECOR  
05-A-005-0-00-015-0  
AGRICULTURAL VACANT LAND  
NORTH RIDGE

GERTRUDE H LOSELY TR  
OF THE GERTRUDE H LOSELY  
RESTATEMENT OF TRUST  
AGREEMENT DATED 2/13/2017  
03-A-075-0-00-011-0  
AGRICULTURAL  
NORTH RIDGE

ROBERT S HOLLAR II &  
JENNIFER A HOLLAR  
03-A-084-0-00-004-0  
RESIDENTIAL  
4896 NORTH RIDGE



**MONUMENT LEGEND**

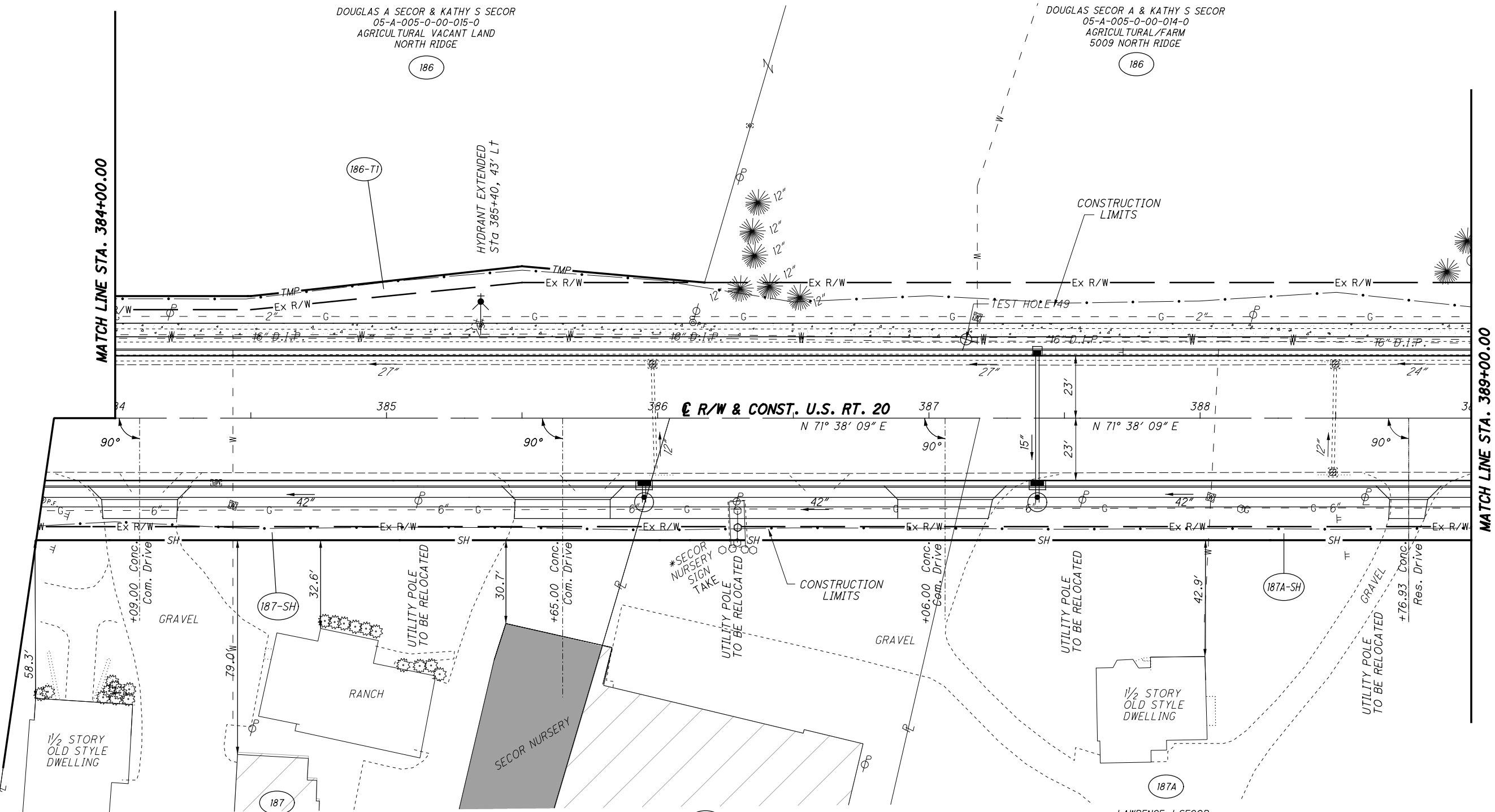
- ▣ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.F. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 92 & 91  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

SIDEWALK REPLACEMENT



**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

LAWRENCE J SECOR  
03-A-084-0-00-024-0  
RESIDENTIAL/3 FAMILY  
4940 NORTH RIDGE

LAWRENCE J SECOR  
03-A-084-0-00-005-0  
AGRICULTURAL  
NORTH RIDGE

LAWRENCE J SECOR  
03-A-084-0-00-031-0  
RESIDENTIAL  
4962 NORTH RIDGE

REV. BY	DATE	DESCRIPTION
8/18/21	PSL	ADDED PARCEL 187A



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

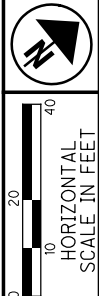
**RIGHT OF WAY TOPO SHEET**  
STA. 384+00.00 TO STA. 389+00.00

**LAK-US-20-19.59**  
**PART 1**

152/165  
1188  
1253

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LAK-20-19.59  
PART OF LOT NO. 92 & 91  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 384+00.00 TO STA. 389+00.00**

**LAK-US-20-19.59**  
**PART 1**

153/165  
1189  
1253

DOUGLAS A SECOR  
& KATHY S SECOR  
05-A-005-0-00-015-0  
AGRICULTURAL VACANT LAND  
NORTH RIDGE

DOUGLAS A SECOR  
& KATHY S SECOR  
05-A-005-0-00-014-0  
AGRICULTURAL/FARM  
5009 NORTH RIDGE

LAWRENCE J SECOR  
03-A-084-0-00-024-0  
RESIDENTIAL/3 FAMILY  
4940 NORTH RIDGE

LAWRENCE J SECOR  
03-A-084-0-00-005-0  
AGRICULTURAL  
NORTH RIDGE

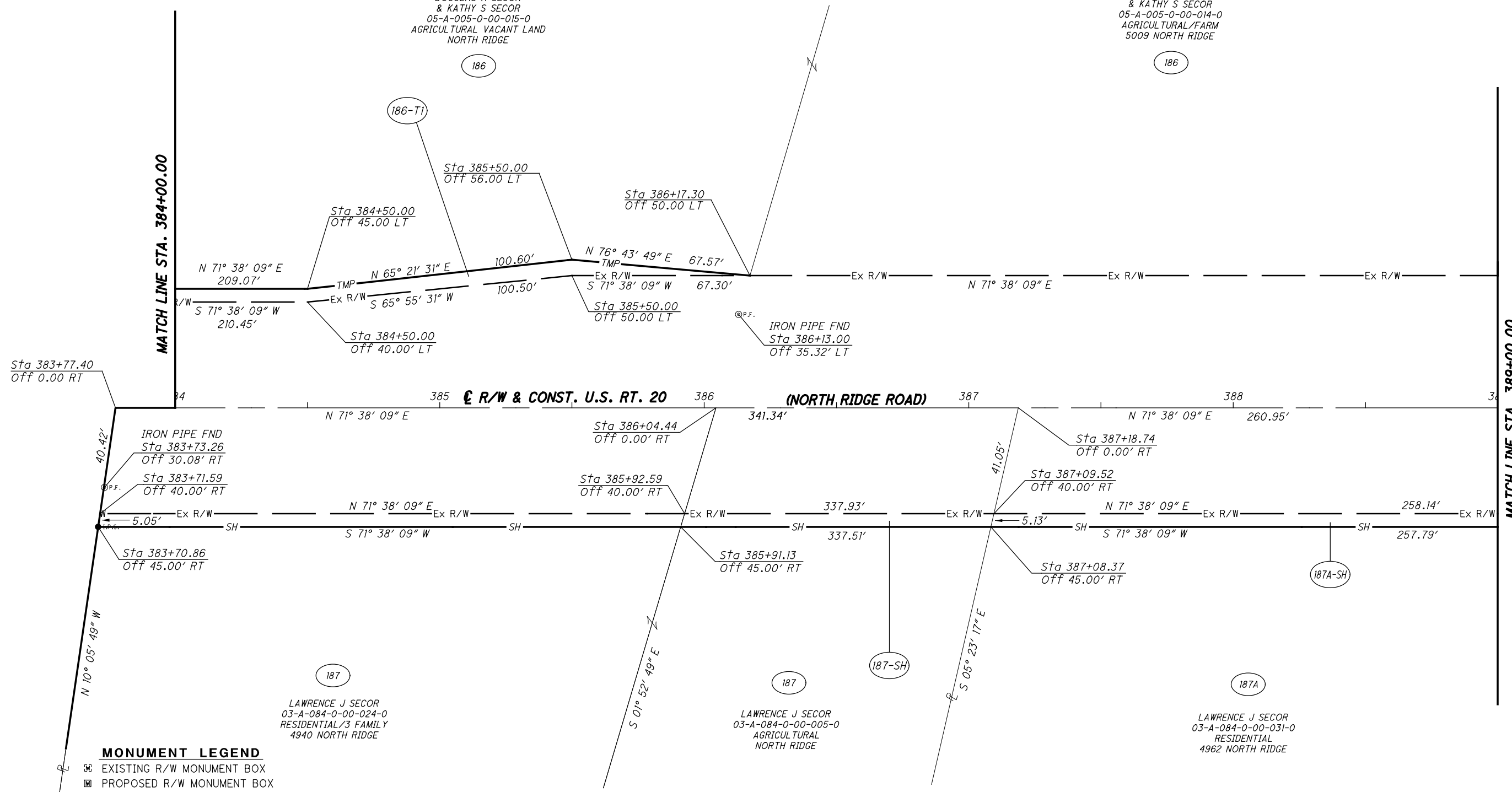
LAWRENCE J SECOR  
03-A-084-0-00-031-0  
RESIDENTIAL  
4962 NORTH RIDGE

**MONUMENT LEGEND**

- EXISTING R/W MONUMENT BOX
- PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- IRON PIN FOUND
- IRON PIN FOUND W/ ID CAP
- IRON PIN SET W/ ID CAP
- IRON PIPE FOUND
- IRON PIPE SET
- P.K. NAIL FOUND
- P.K. NAIL SET

MATCH LINE STA. 384+00.00

MATCH LINE STA. 389+00.00

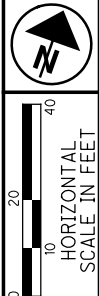


REV. BY	DATE	DESCRIPTION
	8/18/21	PSL ADDED PARCEL 187A

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LAK-20-19.59  
 PART OF LOT NO. 91  
 NORTH PERRY VILLAGE  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



PID NO. **108665**

R/W DESIGNER PSL  
 R/W REVIEWER TMM

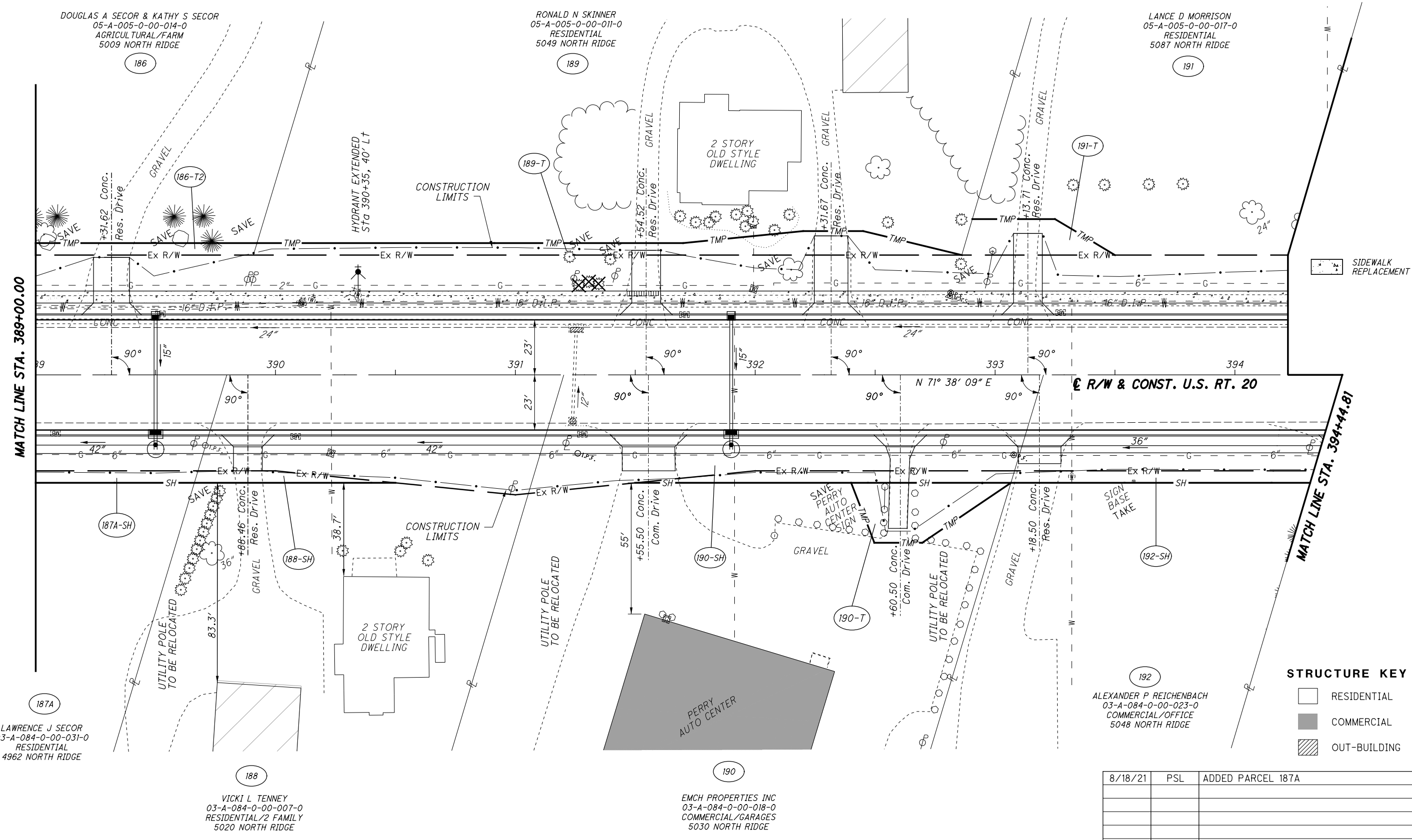
**RIGHT OF WAY TOPO SHEET**  
**STA. 389+00.00 TO STA. 394+44.81**

**LAK-US-20-19.59**  
**PART 1**

154 / 165

1190  
 1253

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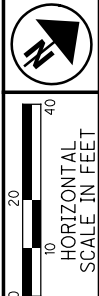


**STRUCTURE KEY**

	RESIDENTIAL
	COMMERCIAL
	OUT-BUILDING

8/18/21	PSL	ADDED PARCEL 187A
<b>REV. BY</b>	<b>DATE</b>	<b>DESCRIPTION</b>

LAK-20-19.59  
PART OF LOT NO. 91  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO.  
**108665**

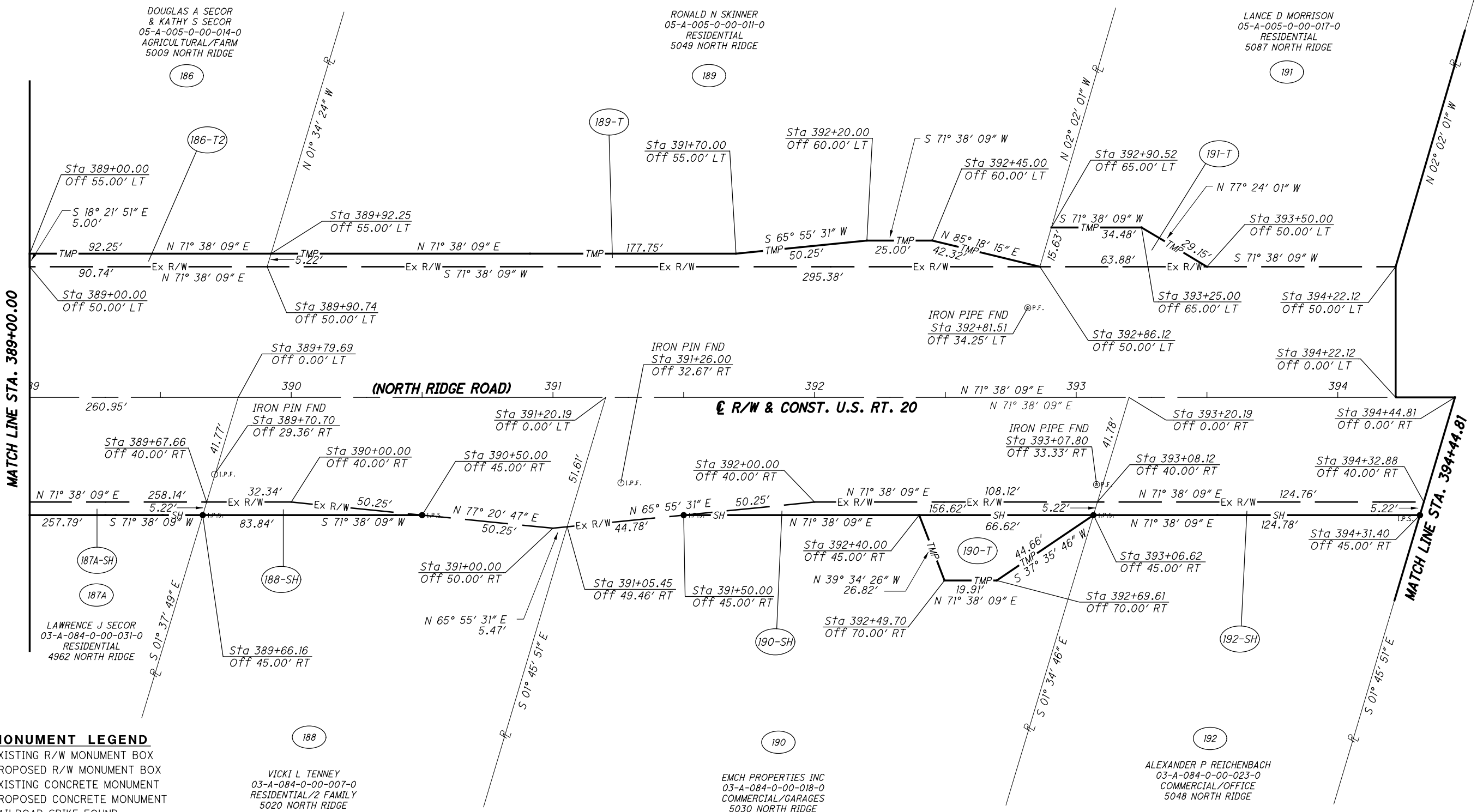
R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 389+00.00 TO STA. 394+44.81**

**LAK-US-20-19.59**  
**PART 1**

155 / 165

1191  
1253



**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- I.P.F. IRON PIPE FOUND
- I.P.S. IRON PIPE SET
- P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET

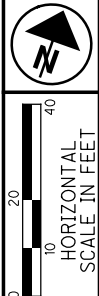
REV. BY	DATE	DESCRIPTION
	8/18/21	PSL ADDED PARCEL 187A

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LAK-20-19.59  
PART OF LOT NO. 91  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

VILLAGE OF NORTH PERRY  
05-A-005-0-00-010-0  
EXEMPT/VACANT LAND  
NORTH RIDGE

REBRAB LLC  
05-A-005-0-00-021-0  
COMMERCIAL/BARBER  
5129 NORTH RIDGE



PID NO.  
**108665**

R/W DESIGNER  
PSL  
R/W REVIEWER  
TMM

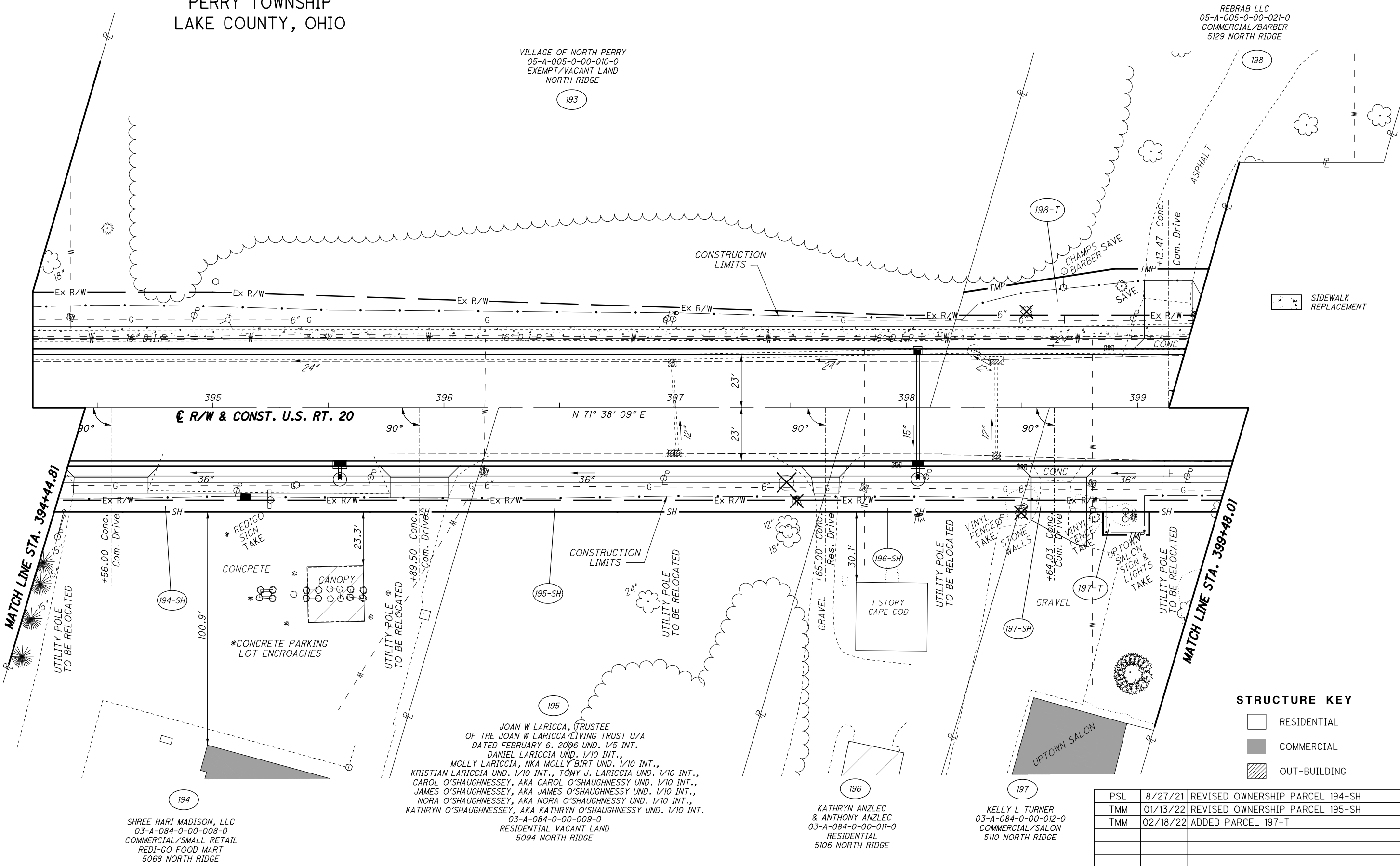
**RIGHT OF WAY TOPO SHEET**  
**STA. 394+44.81 TO STA. 399+48.01**

**LAK-US-20-19.59**  
**PART 1**

156/165

1192  
1253

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SIDWALK REPLACEMENT

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

PSL	8/27/21	REVISED OWNERSHIP PARCEL 194-SH
TMM	01/13/22	REVISED OWNERSHIP PARCEL 195-SH
TMM	02/18/22	ADDED PARCEL 197-T

REV. BY	DATE	DESCRIPTION

SHREE HARI MADISON, LLC  
03-A-084-0-00-008-0  
COMMERCIAL/SMALL RETAIL  
REDI-GO FOOD MART  
5068 NORTH RIDGE

JOAN W LARICCA, (TRUSTEE  
OF THE JOAN W LARICCA LIVING TRUST U/A  
DATED FEBRUARY 6, 2006 UND. 1/5 INT.,  
DANIEL LARICCA UND. 1/10 INT.,  
MOLLY LARICCA, MKA MOLLY BIRT UND. 1/10 INT.,  
KRISTIAN LARICCA UND. 1/10 INT., TONY J. LARICCA UND. 1/10 INT.,  
CAROL O'SHAUGHNESSEY, AKA CAROL O'SHAUGHNESSY UND. 1/10 INT.,  
JAMES O'SHAUGHNESSEY, AKA JAMES O'SHAUGHNESSY UND. 1/10 INT.,  
NORA O'SHAUGHNESSEY, AKA NORA O'SHAUGHNESSY UND. 1/10 INT.,  
KATHRYN O'SHAUGHNESSEY, AKA KATHRYN O'SHAUGHNESSY UND. 1/10 INT.  
03-A-084-0-00-009-0  
RESIDENTIAL VACANT LAND  
5094 NORTH RIDGE

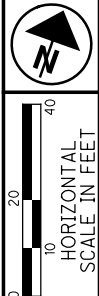
KATHRYN ANZLEC  
& ANTHONY ANZLEC  
03-A-084-0-00-011-0  
RESIDENTIAL  
5106 NORTH RIDGE

KELLY L TURNER  
03-A-084-0-00-012-0  
COMMERCIAL/SALON  
5110 NORTH RIDGE

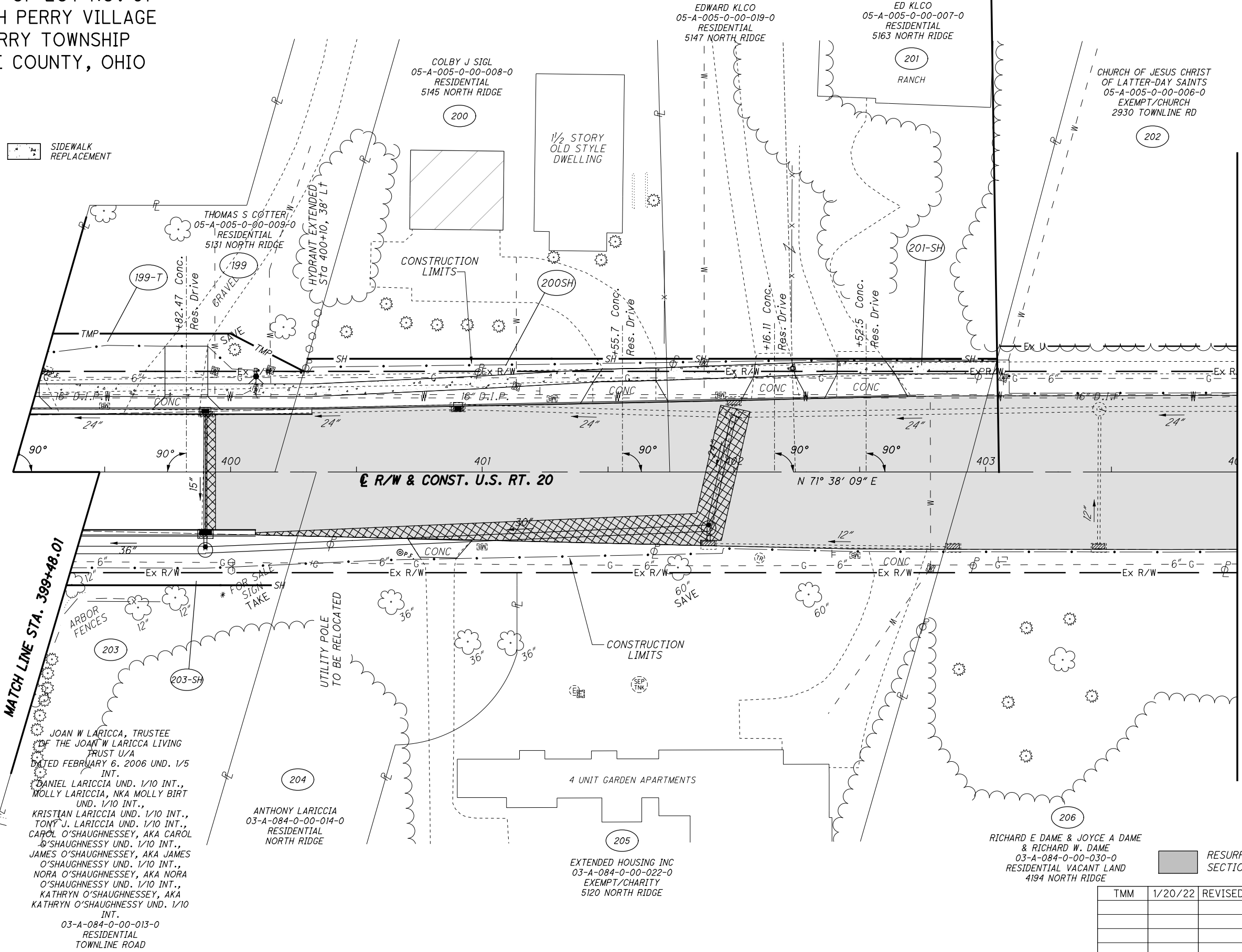


LAK-20-19.59  
PART OF LOT NO. 91  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

END ACQUISITION  
STA. 403+04.62



SIDEWALK REPLACEMENT



MATCH LINE STA. 399+48.01

MATCH LINE STA. 404+00.00

JOAN W LARICCA, TRUSTEE OF THE JOAN W LARICCA LIVING TRUST U/A DATED FEBRUARY 6, 2006 UND. 1/5 INT.  
DANIEL LARICCA UND. 1/10 INT., MOLLY LARICCA, NKA MOLLY BIRT UND. 1/10 INT., KRISTIAN LARICCA UND. 1/10 INT., TONY J. LARICCA UND. 1/10 INT., CAROL O'SHAUGHNESSEY, AKA CAROL O'SHAUGHNESSY UND. 1/10 INT., JAMES O'SHAUGHNESSEY, AKA JAMES O'SHAUGHNESSY UND. 1/10 INT., NORA O'SHAUGHNESSEY, AKA NORA O'SHAUGHNESSY UND. 1/10 INT., KATHRYN O'SHAUGHNESSEY, AKA KATHRYN O'SHAUGHNESSY UND. 1/10 INT.  
03-A-084-0-00-013-0 RESIDENTIAL TOWNLINER ROAD

ANTHONY LARICCA  
03-A-084-0-00-014-0 RESIDENTIAL NORTH RIDGE

EXTENDED HOUSING INC  
03-A-084-0-00-022-0 EXEMPT/CHARITY 5120 NORTH RIDGE

RICHARD E DAME & JOYCE A DAME & RICHARD W. DAME  
03-A-084-0-00-030-0 RESIDENTIAL VACANT LAND 4194 NORTH RIDGE

**STRUCTURE KEY**  
 RESIDENTIAL  
 COMMERCIAL  
 OUT-BUILDING  
 RESURFACING SECTION

REV. BY	DATE	DESCRIPTION
TMM	1/20/22	REVISED OWNERSHIP PARCEL 203-SH

PID NO. 108665

R/W DESIGNER PSL  
R/W REVIEWER TMM

RIGHT OF WAY TOPO SHEET  
STA. 399+48.01 TO STA. 404+00.00

LAK-US-20-19.59  
PART 1

158 / 165

1194  
1253

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LAK-20-19.59  
PART OF LOT NO. 91  
NORTH PERRY VILLAGE  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**

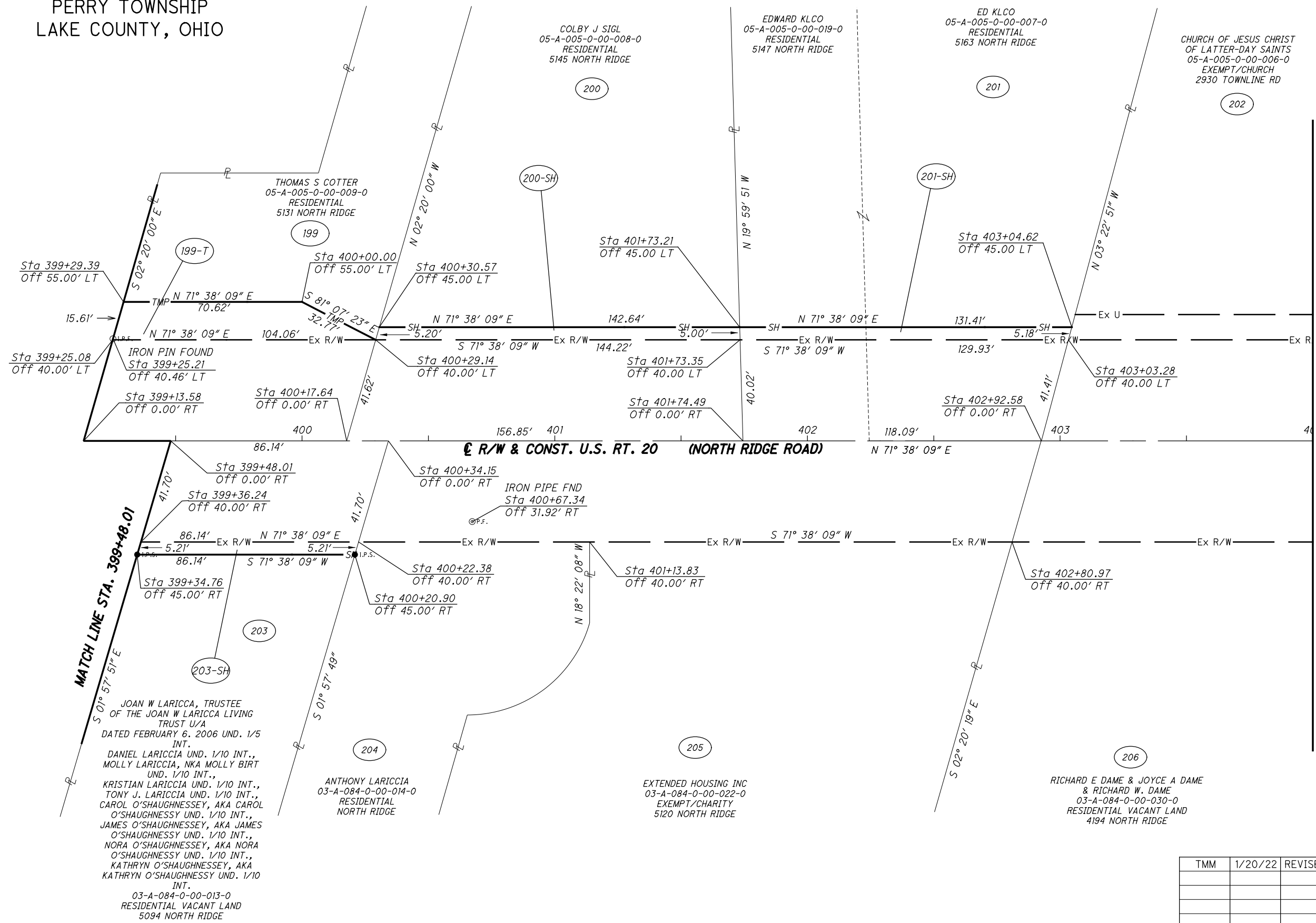
R/W DESIGNER: PSL  
R/W REVIEWER: TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**STA. 399+48.01 TO STA. 404+00.00**

**LAK-US-20-19.59**  
**PART 1**

159/165

1195  
1253



- MONUMENT LEGEND**
- ☐ EXISTING R/W MONUMENT BOX
  - ▣ PROPOSED R/W MONUMENT BOX
  - ⊙ EXISTING CONCRETE MONUMENT
  - PROPOSED CONCRETE MONUMENT
  - ⚡ RAILROAD SPIKE FOUND
  - ⚡ RAILROAD SPIKE SET
  - I.P.F. IRON PIN FOUND
  - ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
  - I.P.S. IRON PIN SET W/ ID CAP
  - ⊙ R.P. IRON PIPE FOUND
  - ⊙ R.P.S. IRON PIPE SET
  - P.K. P.K. NAIL FOUND
  - P.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION
TMM	1/20/22	REVISED OWNERSHIP PARCEL 203-SH

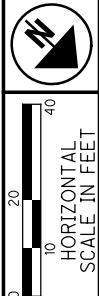
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LAK-20-19.59  
PART OF LOT NO. 78  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

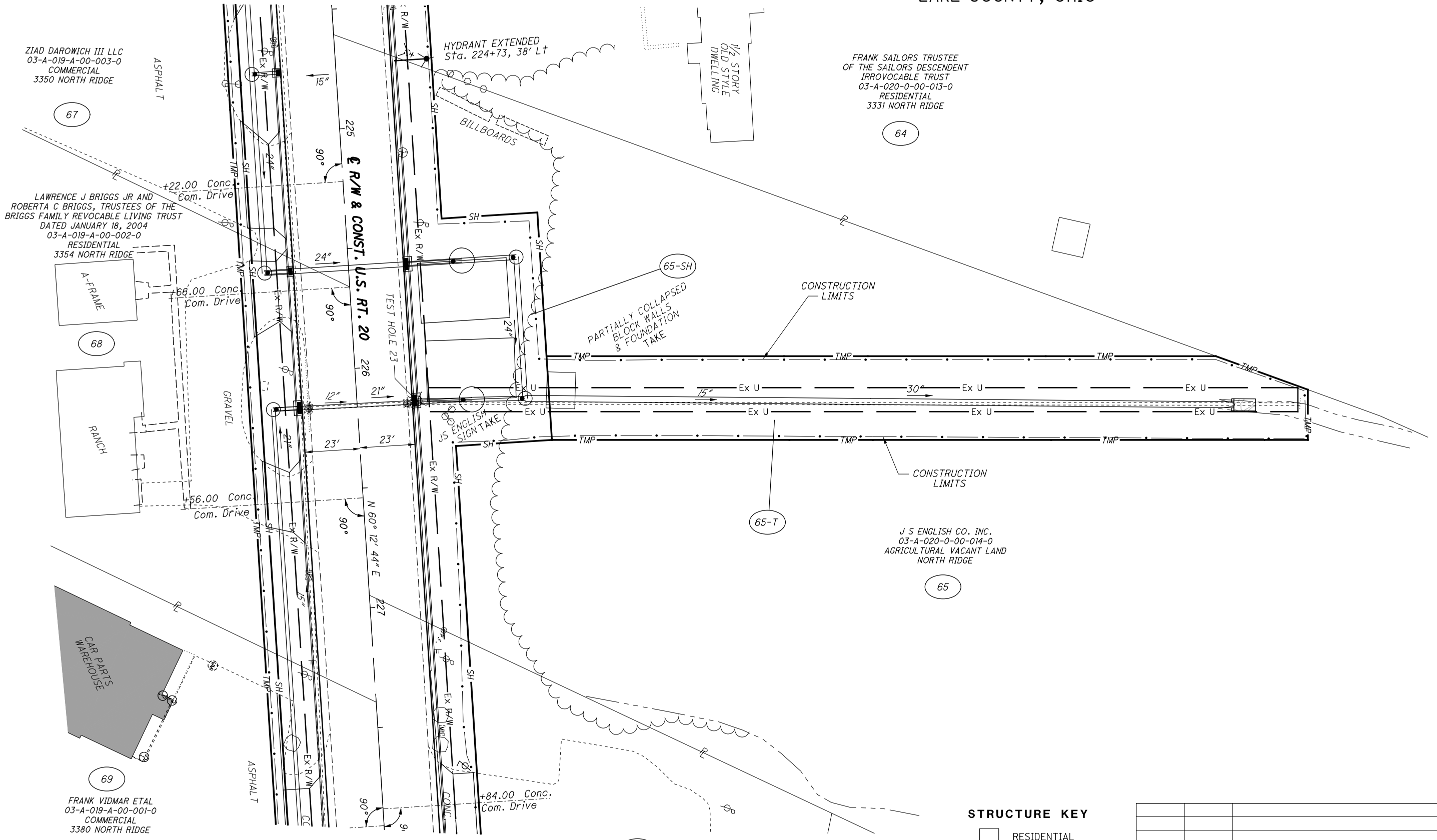
**RIGHT OF WAY TOPO SHEET**  
**OUTLET SHEET STA. 226+15.00**

**LAK-US-20-19.59**  
**PART 1**

162/165

1198  
1253

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ZIAD DAROWICH III LLC  
03-A-019-A-00-003-0  
COMMERCIAL  
3350 NORTH RIDGE

LAWRENCE J BRIGGS JR AND  
ROBERTA C BRIGGS, TRUSTEES OF THE  
BRIGGS FAMILY REVOCABLE LIVING TRUST  
DATED JANUARY 18, 2004  
03-A-019-A-00-002-0  
RESIDENTIAL  
3354 NORTH RIDGE

FRANK SAILORS TRUSTEE  
OF THE SAILORS DESCENDENT  
IRROVOCABLE TRUST  
03-A-020-0-00-013-0  
RESIDENTIAL  
3331 NORTH RIDGE

J S ENGLISH CO. INC.  
03-A-020-0-00-014-0  
AGRICULTURAL VACANT LAND  
NORTH RIDGE

CAR PARTS  
WAREHOUSE

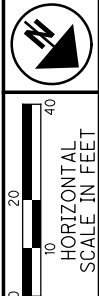
FRANK VIDMAR ETAL  
03-A-019-A-00-001-0  
COMMERCIAL  
3380 NORTH RIDGE

**STRUCTURE KEY**

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

REV. BY	DATE	DESCRIPTION

LAK-20-19.59  
PART OF LOT NO. 78  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

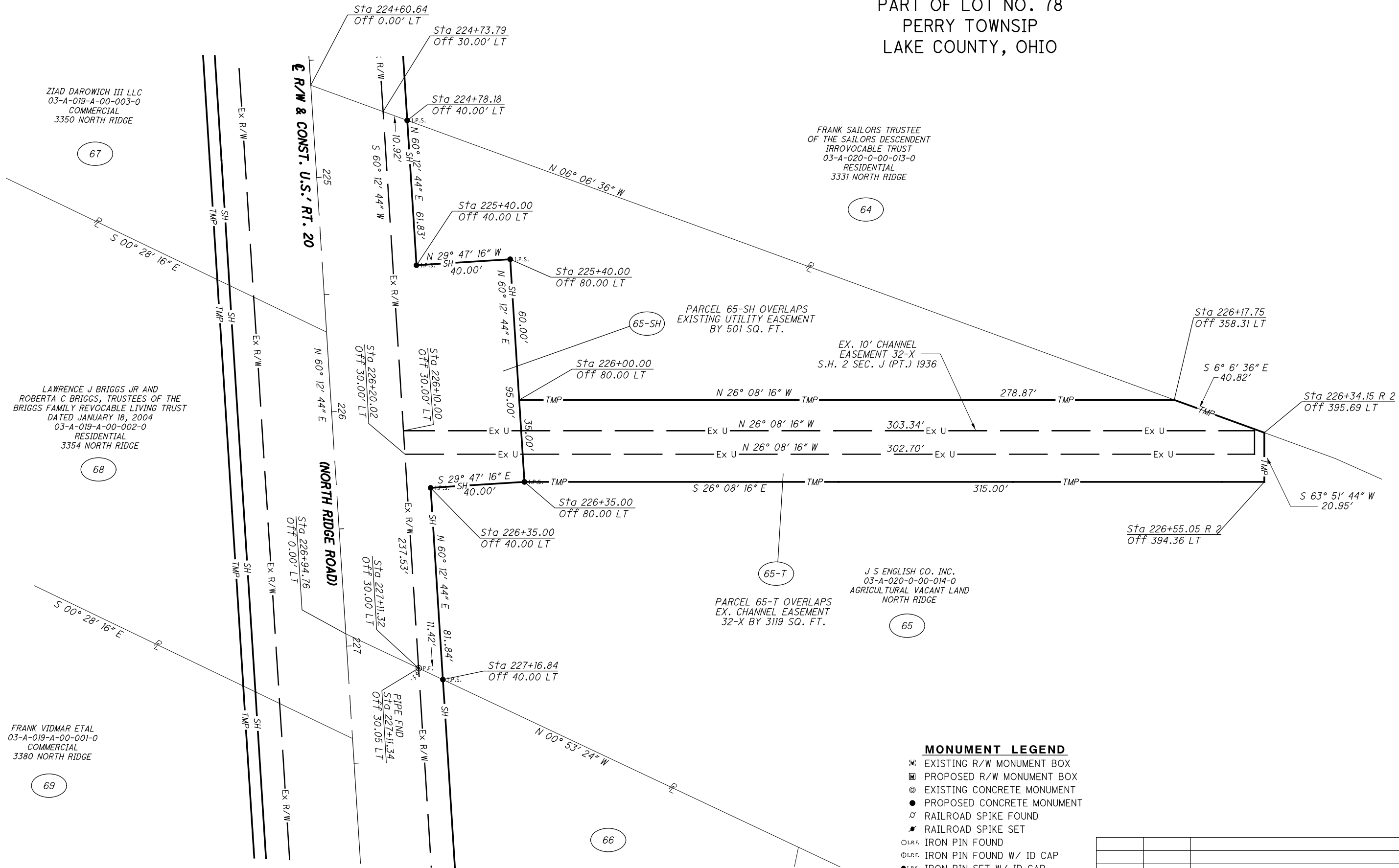
**RIGHT OF WAY BOUNDARY SHEET**  
**OUTLET SHEET STA. 226 + 15.00**

**LAK-US-20-19.59**  
**PART 1**

163/165

1199  
1253

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**MONUMENT LEGEND**

- ☐ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ R.P. IRON PIPE FOUND
- ⊙ R.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- ⊙ P.K.S. P.K. NAIL SET

REV. BY	DATE	DESCRIPTION

ZIAD DAROWICH III LLC  
03-A-019-A-00-003-0  
COMMERCIAL  
3350 NORTH RIDGE

67

LAWRENCE J BRIGGS JR AND  
ROBERTA C BRIGGS, TRUSTEES OF THE  
BRIGGS FAMILY REVOCABLE LIVING TRUST  
DATED JANUARY 18, 2004  
03-A-019-A-00-002-0  
RESIDENTIAL  
3354 NORTH RIDGE

68

FRANK VIDMAR ETAL  
03-A-019-A-00-001-0  
COMMERCIAL  
3380 NORTH RIDGE

69

FRANK SAILORS TRUSTEE  
OF THE SAILORS DESCENDENT  
IRREVOCABLE TRUST  
03-A-020-0-00-013-0  
RESIDENTIAL  
3331 NORTH RIDGE

64

PARCEL 65-SH OVERLAPS  
EXISTING UTILITY EASEMENT  
BY 501 SQ. FT.

65-SH

EX. 10' CHANNEL  
EASEMENT 32-X  
S.H. 2 SEC. J (PT.) 1936

J S ENGLISH CO. INC.  
03-A-020-0-00-014-0  
AGRICULTURAL VACANT LAND  
NORTH RIDGE

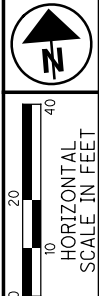
65

PARCEL 65-T OVERLAPS  
EX. CHANNEL EASEMENT  
32-X BY 3119 SQ. FT.

65-T

66

LAK-20-19.59  
 PART OF LOT NO. 76  
 PERRY TOWNSHIP  
 LAKE COUNTY, OHIO



PID NO. **108665**  
 R/W DESIGNER PSL  
 R/W REVIEWER TMM

**RIGHT OF WAY TOPO SHEET**  
**MIDDLE RIDGE ROAD**

**LAK-US-20-19.59**  
**PART 1**

164/165

1200  
 1253

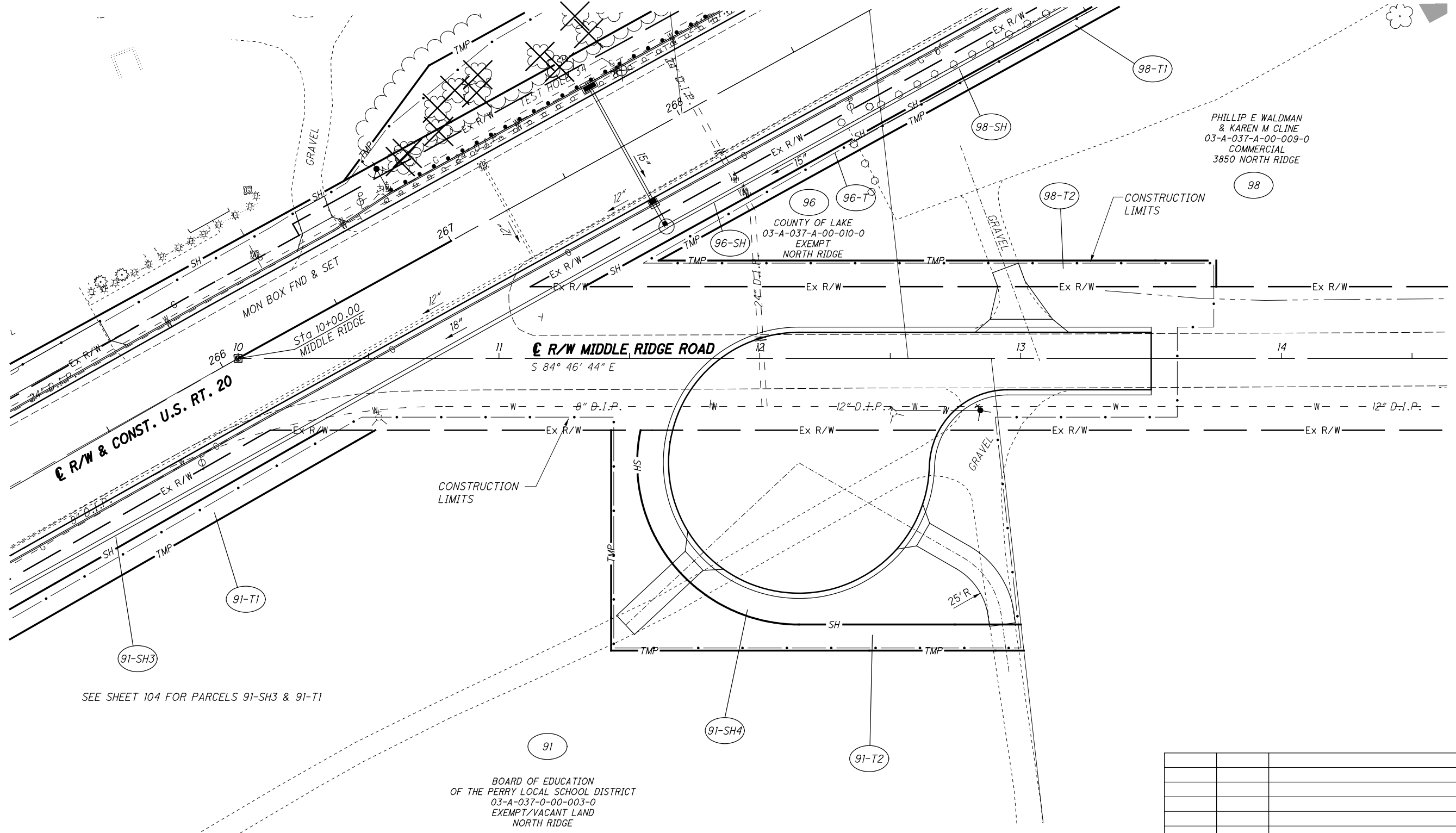
SEE SHEET 106 FOR  
 PARCELS 96-SH & 96-T  
 & PARCELS 98-SH & 98-T1

PHILLIP E WALDMAN  
 & KAREN M CLINE  
 03-A-037-A-00-009-0  
 COMMERCIAL  
 3850 NORTH RIDGE

COUNTY OF LAKE  
 03-A-037-A-00-010-0  
 EXEMPT  
 NORTH RIDGE

BOARD OF EDUCATION  
 OF THE PERRY LOCAL SCHOOL DISTRICT  
 03-A-037-0-00-003-0  
 EXEMPT/VACANT LAND  
 NORTH RIDGE

SEE SHEET 104 FOR PARCELS 91-SH3 & 91-T1



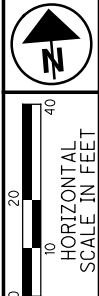
REV. BY	DATE	DESCRIPTION

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LAK-20-19.59  
PART OF LOT NO. 76  
PERRY TOWNSHIP  
LAKE COUNTY, OHIO

**MONUMENT LEGEND**

- ▣ EXISTING R/W MONUMENT BOX
- ▣ PROPOSED R/W MONUMENT BOX
- ⊙ EXISTING CONCRETE MONUMENT
- PROPOSED CONCRETE MONUMENT
- ⚡ RAILROAD SPIKE FOUND
- ⚡ RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- ⊙ I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- ⊙ I.P.S. IRON PIPE FOUND
- ⊙ I.P.S. IRON PIPE SET
- ⊙ P.K.F. P.K. NAIL FOUND
- P.K.S. P.K. NAIL SET



PID NO. **108665**  
R/W DESIGNER PSL  
R/W REVIEWER TMM

**RIGHT OF WAY BOUNDARY SHEET**  
**MIDDLE RIDGE ROAD**

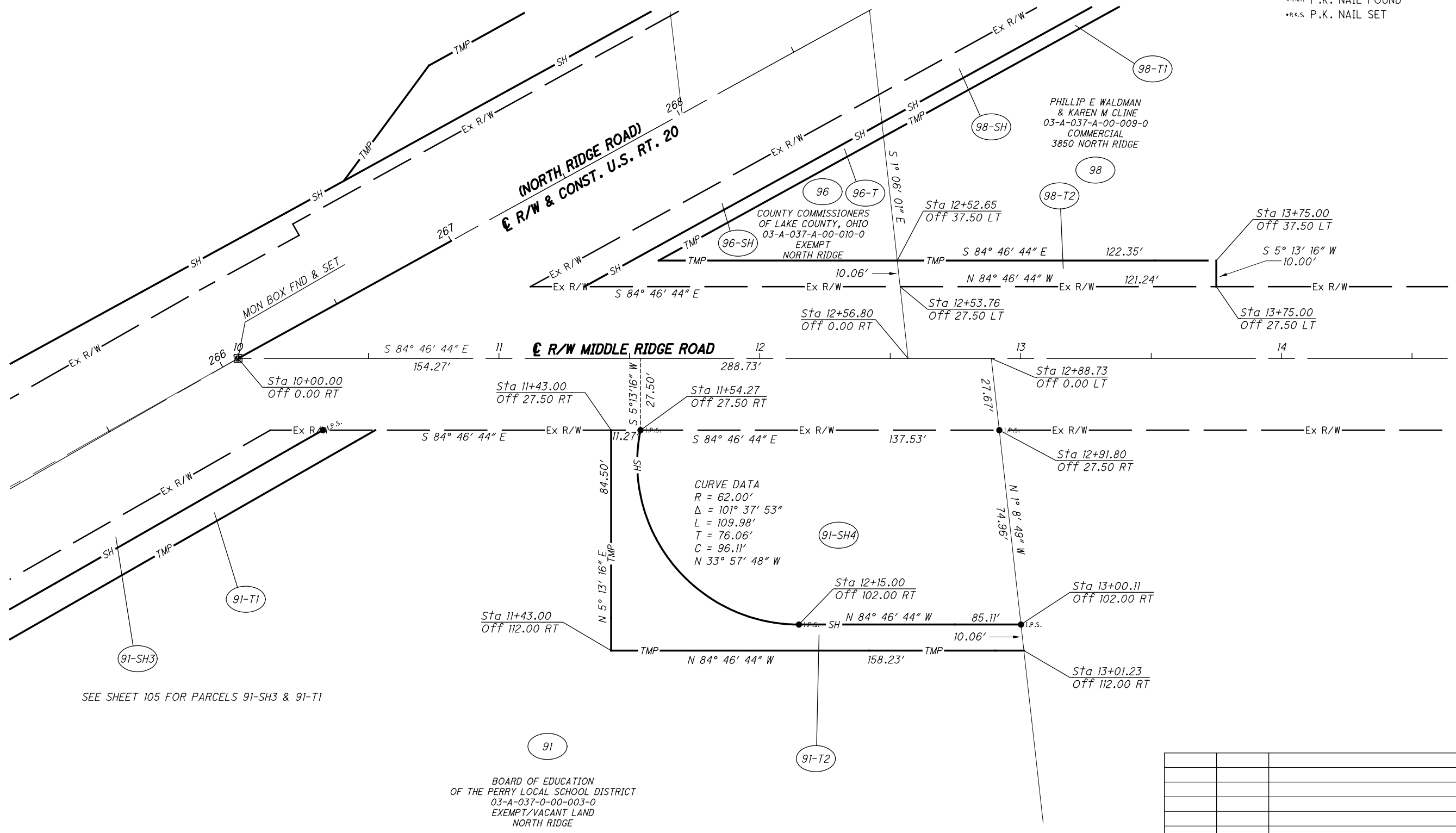
**LAK-US-20-19.59**  
**PART 1**

165 / 165

1201  
1253

REV. BY	DATE	DESCRIPTION

SEE SHEET 107 FOR  
PARCELS 96-SH & 96-T  
& PARCELS 98-SH & 98-T1



SEE SHEET 105 FOR PARCELS 91-SH3 & 91-T1

91  
BOARD OF EDUCATION  
OF THE PERRY LOCAL SCHOOL DISTRICT  
03-A-037-0-00-003-0  
EXEMPT/VACANT LAND  
NORTH RIDGE

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**PROJECT DESCRIPTION**

THIS PROJECT, LAK-20 19.59, IS FOR PAVEMENT REPLACEMENT ALONG US 20 FROM SR 2 TO SR 528 AND ALSO INCLUDES REPLACEMENT OF A CULVERT AND CONSTRUCTION OF THREE RETAINING WALLS.

**HISTORIC RECORDS**

FIVE HISTORIC PROJECTS WERE LOCATED THROUGH THE PROJECT LIMITS. THESE INCLUDE EXPLORATIONS FROM 1940, 1963, TWO IN 1992, AND 2006. INFORMATION FROM THE 1992 AND 2006 STUDIES ARE PRESENTED ON THIS SOIL PROFILE.

**GEOLOGY**

THE GEOLOGY OF THE PROJECT SITE CONSISTS OF BEACH RIDGES CONTAINING FINE TO COARSE SAND WITH SOME GRAVEL. THE RIDGES ARE ABOVE AND ADJACENT TO LACUSTRINE PLAIN DEPOSITS OF SILT AND SAND FOLLOWED BY GLACIAL TILL DEPOSITS. THE BEDROCK IS ABOUT 50 FEET BELOW THE SURFACE IN THIS AREA AND CONSISTS OF OHIO SHALE OF THE DEVONIAN AGE.

**RECONNAISSANCE**

SHAWN SMITH VISITED THE PROJECT SITE ON MARCH 11 AND 12, 2019. THE EXISTING PAVEMENT ALONG US-20 WAS IN FAIR TO POOR CONDITION. TRANSVERSE CRACKS WERE OBSERVED THROUGHOUT THE PROJECT AREA, WITH SECONDARY CRACKS OBSERVED ALONG MANY OF THE TRANSVERSE CRACKS. LONGITUDINAL CRACKS WERE OBSERVED BETWEEN LANES IN MANY AREAS.

**SUBSURFACE EXPLORATION**

(70) TEST BORINGS WERE COMPLETED AS PART OF THIS SUBSURFACE EXPLORATION. PAVEMENT LOCATIONS B-001-0-19 TO B-055-0-19 WERE DRILLED BETWEEN MARCH 13 AND 26, 2019. AT THESE TEST LOCATIONS, WE CORED THROUGH THE EXISTING PAVEMENT WITH A 4-INCH DIAMETER DIAMOND-TIPPED CORE BIT TO COLLECT CORES. THE BASE MATERIAL, IF PRESENT, WAS SAMPLED AND THE THICKNESSES OF THE PAVEMENT MATERIALS WERE MEASURED. PER ODOT'S REQUEST, SPT SAMPLES WERE COLLECTED FROM THE TOP 18 INCHES OF SUBGRADE AT EACH LOCATION. SIX ADDITIONAL PAVEMENT BORINGS WERE PERFORMED ON OCTOBER 22, 2021, WHICH INCLUDE B-003-1-19, B-003-2-19, B-003-3-19, B-004-1-19, B-004-2-19, AND B-005-1-19. AT THESE TEST LOCATIONS, WE AUGERED THROUGH THE EXISTING PAVEMENT. THE BASE MATERIAL, IF PRESENT, WAS SAMPLED AND THE THICKNESSES OF THE PAVEMENT MATERIALS WERE MEASURED. SPT SAMPLES WERE COLLECTED IN THE TOP 6 FEET OF THE SUBGRADE AT EACH LOCATION. AT ALL THESE LOCATIONS, THE HOLES WERE BACKFILLED WITH SOIL CUTTINGS BLENDED WITH BENTONITE CHIPS. THE PAVEMENT WAS PATCHED WITH COLD-MIX ASPHALT.

LOCATIONS B-016-1-19, B-016-2-19, B-022-1-19, AND B-022-2-19 WERE DRILLED ON JULY 13, 2020. LOCATIONS B-024-1-19, B-024-2-19, B-025-1-19, B-025-2-19, AND B-025-3-19 WERE DRILLED ON APRIL 26, 2021. B-016-1-19 AND B-016-2-19 WERE EACH DRILLED TO DEPTHS OF 40 FEET BELOW EXISTING GRADE, IN OPPOSITE LANES, ON EACH SIDE OF THE PLANNED CULVERT. THE REMAINING BORINGS WERE EACH DRILLED TO DEPTHS OF 15 FEET BELOW EXISTING GRADE AT THE PROPOSED RETAINING WALLS. AT EACH LOCATION, SME AUGURED THROUGH THE EXISTING PAVEMENT, MEASURED THICKNESS OF THE PAVEMENT MATERIALS THEN OBTAINED SPT SAMPLES AT 2.5-FOOT INTERVALS TO THE EXPLORED DEPTHS. THE BORINGS WERE DRILLED WITH A TRUCK MOUNTED RIG, USING 3.75-INCH I.D. HOLLOW STEM, AND 4-INCH O.D. SOLID STEM AUGERS. THE BOREHOLES WERE CHECKED FOR THE PRESENCE OF GROUNDWATER DURING DRILLING AND AFTER PULLING THE AUGERS. AT COMPLETION, THE BOREHOLES WERE BACKFILLED WITH A BLEND OF SOIL CUTTINGS AND BENTONITE CHIPS. THE PAVEMENT WAS PATCHED WITH COLD-MIX ASPHALT. THE FIELD MEASURED SPT BLOW COUNTS ARE CORRECTED TO N60 BASED ON ENERGY EFFICIENCY MEASUREMENTS OF 81% AND 83% OBTAINED FROM HAMMER CALIBRATIONS MADE ON APRIL 5, 2017 AND JULY 30, 2020.

**EXPLORATION FINDINGS**

THE PAVEMENT SECTION CONSISTED OF ASPHALT OR ASPHALT OVER CONCRETE AND/OR BRICK PAVEMENTS. TOTAL PAVEMENT THICKNESSES RANGED FROM ABOUT 6 TO 18 INCHES. THE ASPHALT LAYER THICKNESS RANGED FROM 3 TO 12 INCHES, THE CONCRETE LAYER THICKNESS RANGES FROM 1 TO 9-1/2 INCHES, AND THE BRICK LAYER THICKNESS IS ABOUT 4 INCHES. BASE MATERIAL WAS SELDOM FOUND, BUT WHERE ENCOUNTERED, THE BASE IS ABOUT 3 TO 6 INCHES THICK AND CONSISTS OF CRUSHED LIMESTONE AND/OR SLAG.

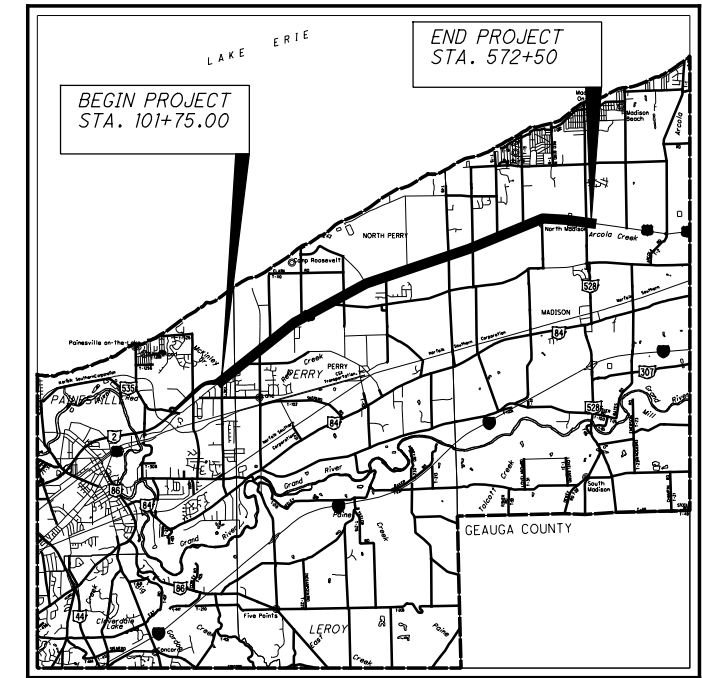
THE SUBGRADE CONSISTS OF BEACH RIDGE DEPOSITS OF SAND WITH SOME GRAVEL OVER GLACIAL TILL. THE MAJORITY OF SOIL CONSISTED OF LOOSE TO MEDIUM DENSE COARSE AND FINE SAND (A-3A) OR FINE SAND (A-3), WITH ISOLATED ZONES OF SANDY SILT (A-4A), GRAVEL WITH SAND (A-1B), GRAVEL (A-1A), AND GRAVEL WITH SAND AND SILT (A-2-4). WHERE ENCOUNTERED, THE UNDERLYING TILL CONSISTED OF VERY STIFF TO HARD SANDY SILT (A-4A) OR SILT AND CLAY (A-6A). FILL WAS ENCOUNTERED IN BORINGS B-003-1-19, B-003-2-19, B-003-3-19, B-004-1-19, B-004-2-19, AND B-005-1-19, WHICH CONSISTED OF CHEMICALLY TREATED GRAVEL AND/OR STONE FRAGMENTS WITH SAND, SILT, AND CLAY (A-2-4), COARSE AND FINE SAND (A-3A), SANDY SILT (A-4A), OR SILT AND CLAY (A-6A).

GROUNDWATER WAS ENCOUNTERED BETWEEN DEPTHS OF 11 AND 13 FEET (ELEVATIONS 645-655 FEET) IN SIX OF THE BORINGS. GROUNDWATER WAS NOT ENCOUNTERED IN THE OTHER BORINGS; HOWEVER, HISTORICAL EXPLORATIONS ENCOUNTERED GROUNDWATER RANGING FROM 2 TO 10 FEET BELOW GRADE. GROUNDWATER CONDITIONS INDICATED BY THE BORINGS REPRESENT CONDITIONS AT THE TIME THE READINGS WERE TAKEN. THE GROUNDWATER LEVELS AT THE TIME OF CONSTRUCTION MAY VARY FROM THOSE CONDITIONS NOTED ON THE BORING LOGS.

SULFATE CONTENTS IN THE SUBGRADE SAMPLES RANGED FROM 100 TO 753 PARTS PER MILLION (PPM). GYPSUM WAS NOT VISUALLY EVIDENT IN THE SUBGRADE SAMPLES. THE RISK OF SULFATE-INDUCED HEAVE BECOMES SIGNIFICANT ABOVE 3,000 PPM WHEN CALCIUM-BASED STABILIZERS ARE USED. GB1 INDICATES THAT CHEMICAL STABILIZATION SHOULD NOT BE CONSIDERED IF ANY SAMPLES HAVE A SULFATE CONCENTRATION ABOVE 5,000 PPM. SINCE OUR TESTS INDICATE SULFATE CONTENTS WELL BELOW THESE LIMITS, CHEMICAL STABILIZATION MAY BE CONSIDERED.

**LEGEND**

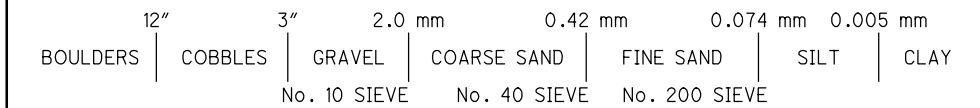
DESCRIPTION	ODOT CLASS	CLASSIFIED MECH./VISUAL	
GRAVEL AND/OR STONE FRAGMENTS	A-1-a	4	5
GRAVEL AND/OR STONE FRAGMENTS WITH SAND	A-1-b	11	10
GRAVEL AND/OR STONE FRAGMENTS WITH SAND AND SILT	A-2-4	1	
FINE SAND	A-3	10	11
COARSE AND FINE SAND	A-3a	46	16
SANDY SILT	A-4a	12	19
SILT	A-4b		2
SILT AND CLAY	A-6a	2	4
	<b>TOTAL</b>	<b>86</b>	<b>67</b>
PAVEMENT OR BASE = X = APPROXIMATE THICKNESS	VISUAL		
SOD AND TOPSOIL = X = APPROXIMATE THICKNESS	VISUAL		
BORING LOCATION - PLAN VIEW			
HISTORIC BORING LOCATION - PLAN VIEW - LAK-20-18.40- & 24.89			
DRIVE SAMPLE AND/OR ROCK CORE BORING PLOTTED TO VERTICAL SCALE ONLY. HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPHY.			
$N_{60}$	INDICATES STANDARD PENETRATION RESISTANCE NORMALIZED TO 60% DRILL ROD ENERGY RATIO.		
N	INDICATES STANDARD PENETRATION RESISTANCE.		
X/Y/D"	NUMBER OF BLOWS FOR STANDARD PENETRATION TEST (SPT): Y/D"= NUMBER OF BLOWS (UNCORRECTED) FOR D' OF PENETRATION AT REFUSAL. X= NUMBER OF BLOWS FOR 6 INCHES (UNCORRECTED)		
WC	INDICATES WATER CONTENT IN PERCENT.		
W—	INDICATES FREE WATER ELEVATION.		
∇	INDICATES FREE WATER ELEVATION AT END OF DRILLING.		
●	INDICATES A PLASTIC MATERIAL WITH A MOISTURE CONTENT EQUAL TO OR GREATER THAN THE LIQUID LIMIT MINUS 3.		
⊕	INDICATES A NON-PLASTIC MATERIAL WITH A MOISTURE CONTENT GREATER THAN 25% OR GREATER THAN 19% WITH A WET APPEARANCE		
SS	INDICATES A SPLIT SPOON SAMPLE.		
ST	INDICATES A SHELBY TUBE SAMPLE.		
NP	INDICATES A NON-PLASTIC SAMPLE.		
HISTORIC BORING DESCRIPTION	ODOT CLASS	CLASSIFIED MECH./VISUAL	
GRAVEL AND/OR STONE FRAGMENTS	A-1-a	2	3
GRAVEL AND/OR STONE FRAGMENTS WITH SAND	A-1-b	8	10
GRAVEL AND/OR STONE FRAGMENTS WITH SAND AND SILT	A-2-4	1	20
GRAVEL AND/OR STONE FRAGMENTS WITH SAND, SILT, AND CLAY	A-2-6	1	0
FINE SAND	A-3	15	37
COARSE AND FINE SAND	A-3a	20	102
SANDY SILT	A-4a	3	14
SILT AND CLAY	A-6a	0	4
	<b>TOTAL</b>	<b>50</b>	<b>190</b>



LOCATION MAP  
SCALE IN MILES



**PARTICLE SIZE DEFINITIONS**



INDEX OF SHEETS					
SUMMARY OF SOIL TEST DATA, SHEET 2 TO 7					
LOCATION FROM STA. TO STA.	PLAN VIEW AND PROFILE SHEET	CUT MAX.	FILL EMB. MAX.	STRUCTURES INCLUDED	
				WALL NO.	CULVERT NO.
U.S. 20 WEST					
105+50	257+00	8 TO 18	-	-	1
257+00	327+00	19 TO 26	-	-	1, 2, & 3
327+00	410+10	27 TO 32	-	-	
U. S. 20 EAST					
410+00	564+00	33 TO 43	-	-	
BORING LOGS, SHEETS 44-52					

- RECON. - SHS/EP 03/12/2019
- DRILLING - RH/RM 03/13/19-03/26/19
- DRILLING - RH/RM 07/13/20-04/26/21
- DRILLING - RH/RM 10/22/21
- DRAWN - JGR 05-06-2021
- REVIEWED - JF/TPO 01-14-2022

**SPECIFICATIONS**

THE GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS, DATED JULY 2020.

**AVAILABLE INFORMATION**

THE SOIL, BEDROCK, AND GROUNDWATER INFORMATION COLLECTED FOR THIS SUBSURFACE EXPLORATION THAT CAN BE CONVENIENTLY DISPLAYED ON THE SOIL PROFILE SHEETS HAS BEEN PRESENTED. GEOTECHNICAL REPORTS, IF PREPARED, ARE AVAILABLE FOR REVIEW ON THE OFFICE OF CONTRACT SALES WEBSITE.

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DESIGN AGENCY  
SOIL AND MATERIAL ENGINEERS  
9375 CHILlicoTHE ROAD  
KIRTLAND, OHIO 44094

PID NO.  
**108665 & 109270**

**SOIL PROFILE**

**LAK-20-19.59 & 24.99**

SUMMARY OF SOIL TEST DATA  
US-20

EXPLORATION NO., STATION & OFFSET	FROM TO	SAMPLE ID	N60	% REC	HP	tsf	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)	ppm SO4
B-001-0-19 STA. 120+93, 19' LT. LATITUDE = 41.759039 LONGITUDE = -81.191755	1.10-2.60	SS-1	7	44	-	-	15	19	27	31	8	NP	NP	NP	17	A-4a (I)	350
B-002-0-19 STA. 141+78, 3' RT. LATITUDE = 41.7607 LONGITUDE = -81.189741	1.30-2.80	SS-1	8	83	-	-	4	33	33	22	8	NP	NP	NP	14	A-3a (O)	360
B-003-0-19 STA. 149+33, 17' RT. LATITUDE = 41.762194 LONGITUDE = -81.187829	1.10-2.60	SS-1	12	89	-	-	6	11	63	13	7	NP	NP	NP	27	A-3a (O)	390
B-003-1-19 STA. 153+27, 17' LT. LATITUDE = 41.763015 LONGITUDE = -81.186688	0.80-1.30 1.30-2.30 2.30-3.80 3.80-5.30 5.30-6.05 6.05-6.80	SS-1A SS-1B SS-2 SS-3 SS-4A SS-4B	7 5 4 5 5	100 100 100 100	- 1.50 - - -	- - - - -	2 6 - - -	8 16 - - -	74 SAME AS SS-2 22 SAME AS SS-2 SAME AS SS-2 SAME AS SS-1A	6 6 32 - -	10 24	NP 28	NP 21	NP 7	22 - 24 32 34 -	A-3a (O) A-4a (VISUAL) A-4a A-4a (VISUAL) A-4a (VISUAL) A-3a (VISUAL)	250
B-003-2-19 STA. 153+27, 17' LT. LATITUDE = 41.763015 LONGITUDE = 81.186681	0.70-1.20 1.20-2.70 2.70-4.20 4.20-5.70	SS-1 SS-2 SS-3 SS-4	12 15 12 13	56 89 78	- - 1.50 -	- - - -	16 - 24	20 SAME AS SS-1 22	28 SAME AS SS-2 21	21 19	15	NP	NP 21 NP	NP 7 NP	12 8 9	A-4a (O) A-4a (VISUAL) A-4a (VISUAL) A-2-4 (O)	200
B-003-3-19 STA. 156+55, 16' RT. LATITUDE = 41.763576 LONGITUDE = 81.185933	0.90-1.40 1.40-2.90 2.90-4.20 4.20-5.90	SS-1 SS-2 SS-3 SS-4	8 7 11 12	78 17 89 100	- 2.25 - -	- - - -	8 25	17 21 SAME AS SS-2 SAME AS SS-2	43 15 16	15	17 15	NP 27 28 NP	NP 21 NP	NP 6 7 NP	9 11 12 14	A-3a (O) A-2-4 (O) A-2-4 (VISUAL) A-2-4 (VISUAL)	160
B-004-0-19 STA. 156+94, 17' LT. LATITUDE = 41.763717 LONGITUDE = -81.185918	0.70-2.20	SS-1	16	78	-	-	0	4	85	8	3	NP	NP	NP	13	A-3a (O)	380
B-004-1-19 STA. 160+60, 19' RT. LATITUDE = 41.764341 LONGITUDE = 81.184855	0.70-1.40 1.40-2.20 2.20-3.70 3.70-5.20 5.20-6.70	SS-1A SS-1B SS-2 SS-3 SS-4	22 7 7 9	83 100 100 100	- 1.50 - -	- - -	4 4	7 8	74 SAME AS SS-3 16 42 SAME AS SS-3	6 6 30	9	NP 33	NP 21	NP 12.00	11 - 22 31 16	A-3a (O) A-6a (VISUAL) A-6a (VISUAL) A-6a (8) A-6a (VISUAL)	<100
B-004-2-19 STA. 160+60, 16' LT. LATITUDE = 41.764799 LONGITUDE = 81.183768	0.80-2.30 2.30-3.80 3.80-4.50 4.50-5.00 5.00-5.30 5.30-6.80	SS-1 SS-2 SS-3A SS-3B SS-3C SS-4	5 6 11 14	78 78 100 100	0.50 - - -	18 - - -	21 SAME AS SS-1 GRAVEL WITH SAND, SILT, AND CLAY 17	21 25 20 24	21 25 20	25 15	15	NP 25 28 NP	NP 19	6	17 12 12 12	A-4a (I) A-4a (VISUAL) A-4a (VISUAL) A-2-7 (VISUAL) A-4a (VISUAL)	250
B-005-0-19 STA. 164+81, 18' LT. LATITUDE = 41.765004 LONGITUDE = -81.183595	0.90-2.40	SS-1	7	100	-	-	11	23	41	16	9	NP	NP	NP	16	A-3a (O)	130
B-005-1-19 STA. 167+63, 19' LT. LATITUDE = 41.765448 LONGITUDE = 81.182745	0.90-2.00 2.00-2.40 2.40-3.90 3.90-5.20 5.20-6.90	SS-1A SS-1B SS-2 SS-3 SS-4	11 13 15 14	78 67 33 100	- - - -	- - - -	14 24	32 40	21 15 11	19 10	14	NP NP	17 NP	3 NP	18 9 8 8	A-3a (O) A-1-b (VISUAL) A-1-b (O) A-1-b (VISUAL) A-1-b (VISUAL)	430
B-006-0-19 STA. 171+85, 25' RT. LATITUDE = 41.766011 LONGITUDE = -81.181385	1.40-2.90	SS-1	20	100	-	-	30	2	24	15	9	NP	NP	NP	12	A-1-b (O)	570
B-007-0-19 STA. 179+61, 26' RT. LATITUDE = 41.767225 LONGITUDE = -81.179048	1.70-3.20	SS-1	9	44	-	-	75	10	8	9	1	NP	NP	NP	7	A-1-a (O)	250
B-008-0-19 STA. 187+00, 16' RT. LATITUDE = 41.768405 LONGITUDE = -81.176843	0.90-2.40	SS-1	4	100	-	-	6	14	52	20	8	NP	NP	NP	16	A-3a (O)	300
B-009-0-19 STA. 195+58, 19' LT. LATITUDE = 41.769833 LONGITUDE = -81.17434	0.80-2.30	SS-1	9	-	-	-	6	25	46	15	8	NP	NP	NP	16	A-3a (O)	290
B-010-0-19 STA. 203+65, 3' LT. LATITUDE = 41.771067 LONGITUDE = -81.171882	1.30-2.80	SS-1	9	83	-	-	19	23	36	15	7	NP	NP	NP	8	A-3a (O)	670
B-011-0-19 STA. 211+00, 19' RT. LATITUDE = 41.772117 LONGITUDE = -81.169588	1.00-2.50	SS-1	5	100	-	-	9	25	37	19	10	NP	NP	NP	12	A-3a (O)	270
B-012-0-19 STA. 218+32, 17' LT. LATITUDE = 41.773174 LONGITUDE = -81.167303	0.90-2.40	SS-1	7	78	-	-	5	10	67	11	7	NP	NP	NP	17	A-3a (O)	410
B-013-0-19 STA. 226+46, 20' LT. LATITUDE = 41.77426 LONGITUDE = -81.164696	1.00-2.50	SS-1	11	100	-	-	1	14	60	18	7	NP	NP	NP	14	A-3a (O)	300
B-014-0-19 STA. 234+18, 17' RT. LATITUDE = 41.775116 LONGITUDE = -81.162105	0.80-2.30	SS-1	9	100	-	-	2	9	68	16	5	NP	NP	NP	13	A-3a (O)	370
B-015-0-19 STA. 242+41, 16' RT. LATITUDE = 41.776026 LONGITUDE = -81.159343	0.90-2.40	SS-1	9	100	-	-	2	6	77	10	5	NP	NP	NP	13	A-3a (O)	230
B-016-0-19 STA. 250+67, 6' LT. LATITUDE = 41.776992 LONGITUDE = -81.156605	1.10-2.60	SS-1	22	89	-	-	10	15	55	15	5	NP	NP	NP	6	A-3a (O)	570
FOR BORINGS B-016-1-19 AND B-016-2-19 SEE THE BORING LOGS ON SHEETS 44 AND 45																	
B-017-0-19 STA. 258+67, 23' LT. LATITUDE = 41.777916 LONGITUDE = -81.153942	0.90-2.40	SS-1	5	94	-	-	4	14	30	26	26	NP	NP	NP	21	A-4a (3)	430
B-018-0-19 STA. 267+44, 16' LT. LATITUDE = 41.778861 LONGITUDE = -81.150953	1.00-2.50	SS-1	11	56	-	-	5	10	73	8	3	NP	NP	NP	8	A-3a (O)	310

SUMMARY OF SOIL TEST DATA  
US-20 (CONT.)

EXPLORATION NO., STATION & OFFSET	FROM - TO	SAMPLE ID	N60	% REC	HP	tsf	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)	ppm SO4	
B-019-0-19 STA. 273+50, 22' RT. LATITUDE = 41.779406 LONGITUDE = -81.14888	1.50-3.00	SS-1	22	67	-	0	5	79	11	5	NP	NP	NP	NP	10	A-3a (0)	500	
B-020-0-19 STA. 282+28, 25' LT. LATITUDE = 41.780459 LONGITUDE = -81.145987	0.90-2.40	SS-1	69	100	-	-	-	-	-	-	-	-	-	-	-	UNCONTROLLED FILL (VISUAL)	-	
B-021-0-19 STA. 290+31, 18' LT. LATITUDE = 41.781538 LONGITUDE = -81.143447	0.90-2.40	SS-1	22	100	-	1	4	87	6	2	NP	NP	NP	NP	9	A-3 (0)	310	
B-022-0-19 STA. 298+40, 16' RT. LATITUDE = 41.782923 LONGITUDE = -81.141026	1.00-2.50	SS-1	5	100	-	10	15	47	17	11	NP	NP	NP	NP	16	A-3a (0)	130	
FOR BORINGS B-022-1-19 AND B-022-2-19 SEE THE BORING LOGS ON SHEETS 46 AND 47																		
B-23-0-19 STA. 306+99, 19' RT. LATITUDE = 41.784261 LONGITUDE = -81.138533	0.90-2.40	SS-1	11	100	-	2	9	76	9	4	NP	NP	NP	NP	14	A-3a (0)	320	
B-024-0-19 STA. 313+93, 17' LT. LATITUDE = 41.785249 LONGITUDE = -81.136364	1.00-2.50	SS-1	15	100	-	33	33	20	10	4	NP	NP	NP	NP	10	A-1-b (0)	300	
FOR BORINGS B-024-1-19 AND B-024-2-19 SEE THE BORING LOGS ON SHEETS 48 AND 49																		
B-025-0-19 STA. 321+71, 19' LT. LATITUDE = 41.78576 LONGITUDE = -81.133584	0.80-2.30	SS-1	31	56	-	53	18	19	9	1	NP	NP	NP	NP	7	A-1-a (0)	360	
B-026-0-19 STA. 329+66, 15' LT. LATITUDE = 41.786013 LONGITUDE = -81.130692	0.90-2.40	SS-1	16	56	-	5	61	25	7	2	NP	NP	NP	NP	6	A-1-b (0)	240	
B-027-0-19 STA. 337+54, 18' RT. LATITUDE = 41.786408 LONGITUDE = -81.127852	0.90-2.40	SS-1	18	83	-	2	48	41	6	3	NP	NP	NP	NP	6	A-1-b (0)	220	
B-028-0-19 STA. 346+63, 4' RT. LATITUDE = 41.787139 LONGITUDE = -81.124878	1.40-2.90	SS-1	27	100	-	19	31	26	17	7	NP	NP	NP	NP	9	A-1-b (0)	750	
B-029-0-19 STA. 354+33, 18' LT. LATITUDE = 41.788438 LONGITUDE = -81.122204	0.90-2.40	SS-1	7	78	-	6	27	43	18	6	NP	NP	NP	NP	15	A-3a (0)	380	
B-030-0-19 STA. 362+61, 3' RT. LATITUDE = 41.788438 LONGITUDE = -81.119282	1.30-2.80	SS-1	14	100	-	20	23	35	15	7	NP	NP	NP	NP	10	A-3a (0)	310	
B-031-0-19 STA. 369+78, 18' RT. LATITUDE = 41.788982 LONGITUDE = -81.116753	0.80-2.30	SS-1	8	78	-	8	15	56	14	7	NP	NP	NP	NP	13	A-3a (0)	370	
B-032-0-19 STA. 377+71, 17' LT. LATITUDE = 41.789726 LONGITUDE = -81.114018	0.90-2.40	SS-1	19	100	-	6	7	71	13	3	NP	NP	NP	NP	10	A-3a (0)	270	
B-033-0-19 STA. 385+70, 19' LT. LATITUDE = 41.790391 LONGITUDE = -81.11227	1.00-2.50	SS-1	12	100	-	14	15	59	9	3	NP	NP	NP	NP	12	A-3a (0)	270	
B-034-0-19 STA. 393+57, 3' RT. LATITUDE = 41.79098 LONGITUDE = -81.108449	1.40-2.90	SS-1	18	100	-	15	14	53	11	7	NP	NP	NP	NP	6	A-3a (0)	340	
B-035-0-19 STA. 402+25, 24' RT. LATITUDE = 41.791639 LONGITUDE = -81.105388	1.50-3.00	SS-1	9	100	-	1	3	61	23	12	NP	NP	NP	NP	19	A-3a (0)	550	
B-036-0-19 STA. 412+27, 19' LT. LATITUDE = 41.792572 LONGITUDE = -81.101931	1.40-2.90	SS-1	18	94	-	5	4	82	6	3	NP	NP	NP	NP	6	A-3 (0)	290	
B-037-0-19 STA. 418+93, 19' LT. LATITUDE = 41.793131 LONGITUDE = -81.099606	1.00-2.50	SS-1	14	100	-	5	7	71	12	5	NP	NP	NP	NP	12	A-2-4 (0)	220	
B-038-0-19 STA. 426+44, 20' RT. LATITUDE = 41.793665 LONGITUDE = -81.096944	1.20-2.70	SS-1	42	83	-	2	4	83	9	2	NP	NP	NP	NP	6	A-3a (0)	310	
B-039-0-19 STA. 435+31, 21' LT. LATITUDE = 41.794534 LONGITUDE = -81.093904	0.20-1.70	SS-1	16	78	-	4	5	74	12	5	NP	NP	NP	NP	8	A-3a (0)	250	
B-040-0-19 STA. 443+01, 18' LT. LATITUDE = 41.795279 LONGITUDE = -81.091261	0.90-2.40	SS-1	18	100	-	1	7	68	17	7	NP	NP	NP	NP	13	A-3a (0)	340	
B-041-0-19 STA. 450+75, 21' LT. LATITUDE = 41.796083 LONGITUDE = -81.088637	1.10-2.60	SS-1	16	83	-	6	4	80	7	3	NP	NP	NP	NP	10	A-3 (0)	320	
B-042-0-19 STA. 459+08, 2' RT. LATITUDE = 41.79693 LONGITUDE = -81.0858	1.40-2.90	SS-1	16	78	-	0	2	89	6	3	NP	NP	NP	NP	5	A-3 (0)	340	

SUMMARY OF SOIL TEST DATA  
US-20 (CONT.)

EXPLORATION NO., STATION & OFFSET	FROM - TO	SAMPLE ID	N60	% REC	Tsf HP	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)	ppm SO4
B-043-0-19 STA. 466+42, 20' RT. LATITUDE = 41.797898 LONGITUDE = -81.083308	1.00-2.50	SS-1A SS-1B	4	100	-	4	18	34	33	11	NP 31	NP 19	NP 12	21	A-4a (2) A-6a (VISUAL)	650
B-044-0-19 STA. 474+40, 3' LT. LATITUDE = 41.798666 LONGITUDE = -81.080679	1.50-3.00	SS-1	11	100	-	4	9	76	7	4	NP	NP	NP	6	A-3a (0)	260
B-045-0-19 STA. 482+59, 20' LT. LATITUDE = 41.799632 LONGITUDE = -81.07797	1.10-2.60	SS-1	22	83	-	3	4	83	7	3	NP	NP	NP	15	A-3a (0)	200
B-046-0-19 STA. 490+47, 25' RT. LATITUDE = 41.800413 LONGITUDE = -81.075266	1.50-3.00	SS-1	26	83	-	6	3	85	5	1	NP	NP	NP	5	A-3a (0)	140
B-047-0-19 STA. 498+33, 27' RT. LATITUDE = 41.801298 LONGITUDE = -81.072642	1.30-2.80	SS-1	15	100	-	15	10	62	9	4	NP	NP	NP	11	A-3a (0)	330
B-048-0-19 STA. 506+25, 3' RT. LATITUDE = 41.802192 LONGITUDE = -81.069998	1.10-2.60	SS-1	15	100	-	6	21	53	11	9	NP	NP	NP	17	A-3a (0)	360
B-049-0-19 STA. 514+00, 19' LT. LATITUDE = 41.80281 LONGITUDE = -81.067273	0.90-2.40	SS-1	24	83	-	2	3	84	7	4	NP	NP	NP	13	A-3a (0)	210
B-050-0-19 STA. 520+78, 18' LT. LATITUDE = 41.803061 LONGITUDE = -81.064807	1.00-2.50	SS-1	5	83	-	1	5	80	9	5	NP	NP	NP	8	A-3a (0)	420
B-051-0-19 STA. 528+53, 21' RT. LATITUDE = 41.80314 LONGITUDE = -81.061962	1.00-2.50	SS-1	7	83	-	1	6	79	10	4	NP	NP	NP	11	A-3a (0)	180
B-052-0-19 STA. 536+53, 18' RT. LATITUDE = 41.803223 LONGITUDE = -81.059043	0.90-2.40	SS-1	22	67	-	1	8	78	10	3	NP	NP	NP	14	A-3a (0)	150
B-053-0-19 STA. 544+50, 21' LT. LATITUDE = 41.803106 LONGITUDE = -81.05612	1.00-2.50	SS-1	15	83	-	3	7	75	11	4	NP	NP	NP	10	A-3a (0)	170
B-054-0-19 STA. 551+61, 18' RT. LATITUDE = 41.802696 LONGITUDE = -81.053566	0.90-2.40	SS-1	15	78	-	14	6	59	14	7	NP	NP	NP	12	A-3a (0)	390
B-055-0-19 STA. 559+39, 21' LT. LATITUDE = 41.802469 LONGITUDE = -81.050726	1.10-2.60	SS-1	19	56	-	1	3	86	9	1	NP	NP	NP	12	A-3a (0)	160



SUMMARY OF SOIL TEST DATA  
US-20 ACT HISTORIC BORINGS

EXPLORATION NO., STATION & OFFSET	FROM - TO	SAMPLE ID	N	REC	% HP	% tsf	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	WC	CLASS (G1)	ODOT	ppm SO4
B-017-0-92 STA. 113+33, 26' RT.	1.50-3.00	SS-1	13	-	-	-	BROWN SILT AND CLAY, SOME SAND, TRACE GRAVEL								16	A-6a (VISUAL)		
	3.50-5.00	SS-2A	9	-	-	-	SAME AS SS-1								11	A-6a (VISUAL)		
	4.00-5.00	SS-2B	8	-	-	-	BROWN SAND, SOME GRAVEL, TRACE SILT								11	A-2-4 (VISUAL)		
	5.50-7.00	SS-3	8	-	-	-	SAME AS SS-2B								18	A-2-4 (VISUAL)		
8.50-10.00	SS-4	4	-	-	-	SAME AS SS-2B												
B-020-0-92 STA. 137+97, 5' LT.	1.50-3.00	SS-1	14	-	-	-	BROWN SAND, SOME GRAVEL, TRACE CLAY								9	A-2-4 (VISUAL)		
	3.50-5.50	ST-2	12	-	-	-	SAME AS SS-1								18	A-2-4 (VISUAL)		
	5.50-7.00	SS-3	30	-	-	1	SAME AS SS-1	10	20	38	30	21	15		22	A-2-4 (VISUAL)		
	8.50-10.00	SS-4	30	-	-	-	SAME AS SS-1								22	A-4a		
B-023-0-92 STA. 150+01, 33.5' RT.	0.00-1.50	SS-1	2	-	-	-	DARK BROWN SANDY SILT, LITTLE CLAY, TRACE GRAVEL								17	A-4a (VISUAL)		
	2.00-3.00	SS-2A	4	-	-	-	SAME AS SS-1								19	A-4a (VISUAL)		
	3.00-3.50	SS-2B	4	-	-	-	BROWN AND GRAY FINE SAND, LITTLE GRAVEL, TRACE SILT				30	23						
	5.00-6.50	SS-3	7	-	-	-	GRAY SILT AND CLAY, SOME SAND, TRACE GRAVEL								24	A-3 (VISUAL)		
8.50-10.00	SS-4	17	-	-	-	SAME AS SS-2B								14	A-3 (VISUAL)			
B-026-0-92 STA. 163+00, 15.5' LT.	1.00-2.50	SS-1	2	-	-	-	BROWN SAND, SOME GRAVEL, TRACE CLAY								18	A-2-4 (VISUAL)		
	3.00-4.50	SS-2	7	-	-	-	SSAME AS SS-1								20	A-2-4 (VISUAL)		
	5.50-7.00	SS-3	2	-	-	-	GRAY SANDY SILT, SOME GRAVEL, TRACE CLAY								19	A-4a (VISUAL)		
	8.50-10.00	SS-4	17	-	-	-	SAME AS SS-3								21	A-4a (VISUAL)		
B-028-0-92 STA. 170+02, 23.5' RT.	0.00-1.50	SS-1	5	-	-	-	BROWN SANDY SILT, TRACE GRAVEL AND CLAY SEAMS								12	A-4a (VISUAL)		
	2.00-3.50	SS-2	8	-	-	-	SAME AS SS-1								12	A-4a (VISUAL)		
	5.00-6.50	SS-3	4	-	-	-	SAME AS SS-1								16	A-4a (VISUAL)		
	8.50-10.00	SS-4	18	-	-	-	GRAY SAND, SOME GRAVEL, LITTLE SILT								16	A-2-4 (VISUAL)		
B-030-0-92 STA. 26+91, 21' LT	1.50-3.00	SS-1	19	-	-	-	DARK BROWN SAND AND GRAVEL, TRACE SILT								11	A-1-b (VISUAL)		
	3.50-5.00	SS-2	15	-	-	-	SAME AS SS-1								11	A-1-b (VISUAL)		
	5.50-7.00	SS-3	16	-	-	-	SAME AS SS-1								14	A-1-b (VISUAL)		
	8.50-10.00	SS-4	4	-	-	-	BROWN SAND, SOME GRAVEL, TRACE SILT								SAT.	A-2-4 (VISUAL)		
B-034-0-92 STA. 56+43, 16' LT	1.00-2.50	SS-1	20	-	-	-	DARK BROWN SANDY SILT, TRACE ORGANICS, FILL								12	A-4a (VISUAL)		
	3.50-5.00	SS-2	25	-	-	-	GRAY SAND, SOME GRAVEL, LITTLE SILT AND CLAY								16	A-2-4 (VISUAL)		
	5.50-7.00	SS-3	11	-	-	-	BROWN SAND, SOME GRAVEL, TRACE SILT								SAT.	A-2-4 (VISUAL)		
	8.50-10.00	SS-4	29	-	-	-	SAME AS SS-3								SAT.	A-2-4 (VISUAL)		
B-036-0-92 STA. 01+12, 7' LT	1.50-3.00	SS-1	13	-	-	-	BROWN GRAVEL AND SAND, TRACE SILT AND CLAY								6	A-1-a (VISUAL)		
	3.00-5.50	SS-2	15	-	-	-	SAME AS SS-1								7	A-1-a (VISUAL)		
	5.50-7.00	SS-3	16	-	-	-	SAME AS SS-1								15	A-1-a (VISUAL)		
	8.50-10.00	SS-4	35	-	-	-	GRAY SILT AND CLAY, LITTLE SAND AND GRAVEL								13	A-6a (VISUAL)		
B-039-0-92 STA. 80+56, 8' RT	0.00-2.00	SS-1	6	-	-	-	BROWN COARSE TO FINE SAND, LITTLE SILT AND GRAVEL								13	A-3a (VISUAL)		
	3.00-5.00	ST-2	100	-	-	-	SAME AS SS-1								11	A-3a (VISUAL)		
	5.00-6.50	SS-3	6	-	-	-	SAME AS SS-1								8	A-3a (VISUAL)		
	8.50-10.00	SS-4	9	-	-	-	SAME AS SS-1								10	A-3a (VISUAL)		
B-041-0-92 STA. 83+97, 9' LT	0.50-2.00	SS-1	9	-	2.00	-	BROWN SANDY SILT, TRACE GRAVEL AND CLAY SEAMS								11	A-4a (VISUAL)		
	2.50-4.00	SS-2	11	-	-	-	BROWN COARSE AND FINE SAND, LITTLE GRAVEL, TRACE SILT AND CLAY								10	A-3a (VISUAL)		
	5.00-6.50	SS-3	8	-	-	-	SAME AS SS-2								9	A-3a (VISUAL)		
	8.50-10.00	SS-4	4	-	-	-	SAME AS SS-2								7	A-3a (VISUAL)		
B-043-0-92 STA. 87+71, 16' LT	0.50-2.00	SS-1	24	-	-	-	BROWN COARSE TO FINE SAND, LITTLE GRAVEL, TRACE SILT								8	A-3a (VISUAL)		
	3.00-4.50	SS-2	4	-	-	-	SAME AS SS-1								7	A-3a (VISUAL)		
	5.50-7.00	SS-3	6	-	-	-	SAME AS SS-1								17	A-3a (VISUAL)		
	8.50-10.00	SS-4	2	-	-	-	SAME AS SS-1								11	A-3a (VISUAL)		
B-045-0-92 STA. 90+21, 23' RT	0.00-1.50	SS-1	3	-	-	-	BROWN COARSE AND FINE SAND, LITTLE GRAVEL, TRACE SILT								9	A-3a (VISUAL)		
	2.00-3.50	SS-2	5	-	-	-	SAME AS SS-1								6	A-3a (VISUAL)		
	5.50-7.00	SS-3	5	-	0.50	-	SAME AS SS-1								17	A-3a (VISUAL)		
	8.50-10.00	SS-4	6	-	-	-	SAME AS SS-1								8	A-3a (VISUAL)		
B-047-0-92 STA. 246+08, 26' LT	0.00-2.00	SS-1	4	-	-	-	BROWN COARSE AND FINE SAND, LITTLE GRAVEL, TRACE SILT								14	A-3a (VISUAL)		
	3.00-5.00	ST-2	100	-	-	-	SAME AS SS-1								10	A-3a (VISUAL)		
	5.00-6.50	SS-3	12	-	-	-	SAME AS SS-1								7	A-3a (VISUAL)		
	8.50-10.00	SS-4	9	-	-	-	SAME AS SS-1								7	A-3a (VISUAL)		
B-049-0-92 STA. 254+00, 22' RT	1.00-2.50	SS-1	20	-	-	-	BROWN COARSE TO FINE SAND, LITTLE GRAVEL								8	A-3a (VISUAL)		
	3.00-4.50	SS-2	40	-	-	-	SAME AS SS-1								12	A-3a (VISUAL)		
	5.00-6.50	SS-3	8	-	-	-	SAME AS SS-1								12	A-3a (VISUAL)		
	8.50-10.00	SS-4	13	-	-	-	SAME AS SS-1								11	A-3a (VISUAL)		
B-051-0-92 STA. 261+98, 16' LT	1.00-2.50	SS-1	5	-	-	-	BROWN SAND, SOME GRAVEL, TRACE SILT, CLAY, SILT SEAMS, AND CLAY SEAMS								12	A-2-4 (VISUAL)		
	3.00-4.50	SS-2	8	-	-	-	SAME AS SS-1								9	A-2-4 (VISUAL)		
	5.50-7.00	SS-3	6	-	2.50	-	SAME AS SS-1								11	A-2-4 (VISUAL)		
	8.50-10.00	SS-4	5	-	-	-	SAME AS SS-1								7	A-2-4 (VISUAL)		
B-053-0-92 STA. 270+08, 26' RT	0.50-2.00	SS-1	5	-	-	-	BROWN FINE SAND, TRACE SILT								10	A-3 (VISUAL)		
	2.50-4.00	SS-2	1	-	-	-	DARK BROWN FINE SAND, LITTLE SILT								15	A-3 (VISUAL)		
	5.50-7.00	SS-3	10	-	-	-	BROWN FINE SAND, LITTLE SILT								8	A-3 (VISUAL)		
	8.50-10.00	SS-4	9	-	-	-	SAME AS SS-3								14	A-3 (VISUAL)		
B-056-0-92 STA. 281+96, 15' RT	1.00-2.50	SS-1	27	-	-	-	BROWN COARSE TO FINE SAND, LITTLE GRAVEL, TRACE SILT								5	A-3a (VISUAL)		
	3.00-5.00	ST-2	96	-	-	-	SAME AS SS-1								4	A-3a (VISUAL)		
	5.00-6.50	SS-3	8	-	-	-	SAME AS SS-1								8	A-3a (VISUAL)		
	8.50-10.00	SS-4	7	-	-	-	SAME AS SS-1								8	A-3a (VISUAL)		
B-058-0-92 STA. 290+02, 16' LT	1.00-2.50	SS-1	16	-	-	-	BROWN COARSE TO FINE SAND, LITTLE GRAVEL, TRACE SILT								5	A-3a (VISUAL)		
	3.00-4.50	SS-2	9	-	-	-	SAME AS SS-1								6	A-3a (VISUAL)		
	5.00-8.50	SS-3	5	-	-	-	SAME AS SS-1								14	A-3a (VISUAL)		
	8.50-10.00	SS-4	8	-	-	-	SAME AS SS-1								8	A-3a (VISUAL)		
B-061-0-92 STA. 302+01, 25' RT	1.00-2.50	SS-1	11	-	-	-	BROWN COARSE AND FINE SAND, TRACE GRAVEL AND SILT								10	A-3a (VISUAL)		
	3.00-5.00	ST-2	88	-	-	-	SAME AS SS-1								6	A-3a (VISUAL)		
	5.50-7.00	SS-3	8	-	-	-	SAME AS SS-1								6	A-3a (VISUAL)		
	8.50-10.00	SS-4	9	-	-	-	SAME AS SS-1								6	A-3a (VISUAL)		
B-063-0-92 STA. 310+56, 26' LT	0.00-2.00	SS-1	8	-	-	-	BROWN COARSE AND FINE SAND, TRACE GRAVEL AND SILT								5	A-3a (VISUAL)		
	2.50-3.00	SS-2	7	-	-	-	SAME AS SS-1								12	A-3a (VISUAL)		
	5.50-7.00	SS-3	9	-	-	-	SAME AS SS-1								11	A-3a (VISUAL)		
	8.50-10.00	SS-4	5	-	-	-	SAME AS SS-1								19	A-3a (VISUAL)		
B-065-0-92 STA. 317+99, 24' RT	0.00-1.50	SS-1	1	-	-	-	BROWN COARSE AND FINE SAND, LITTLE GRAVEL, TRACE SILT											

SUMMARY OF SOIL TEST DATA  
US-20 ACT HISTORIC BORINGS (CONT.)

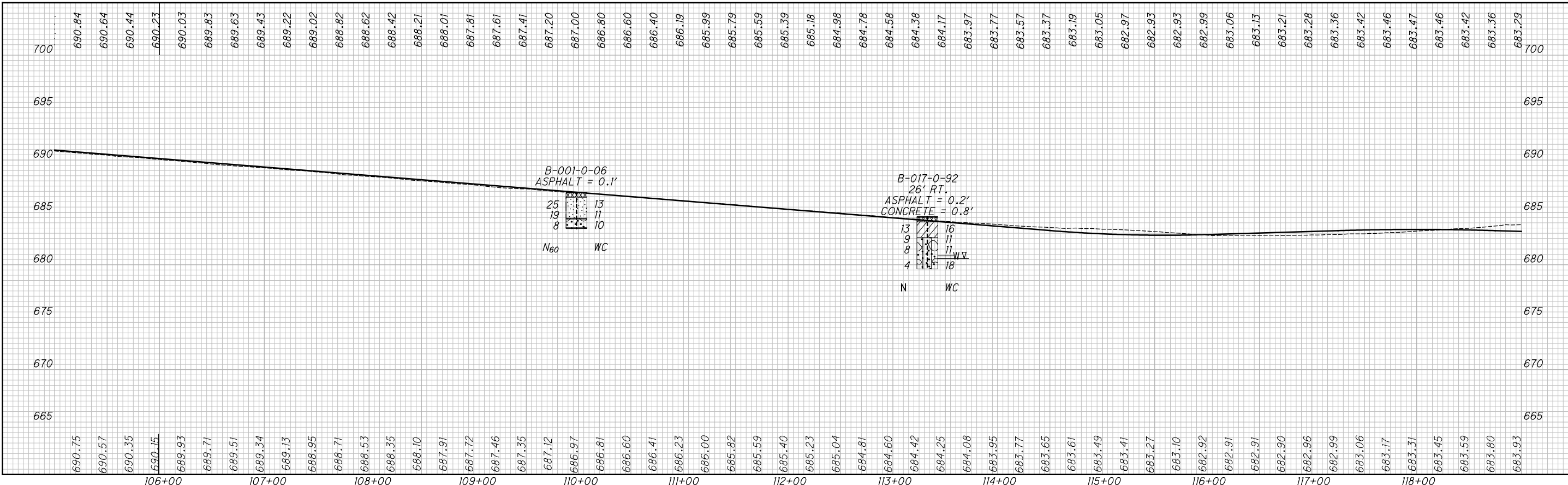
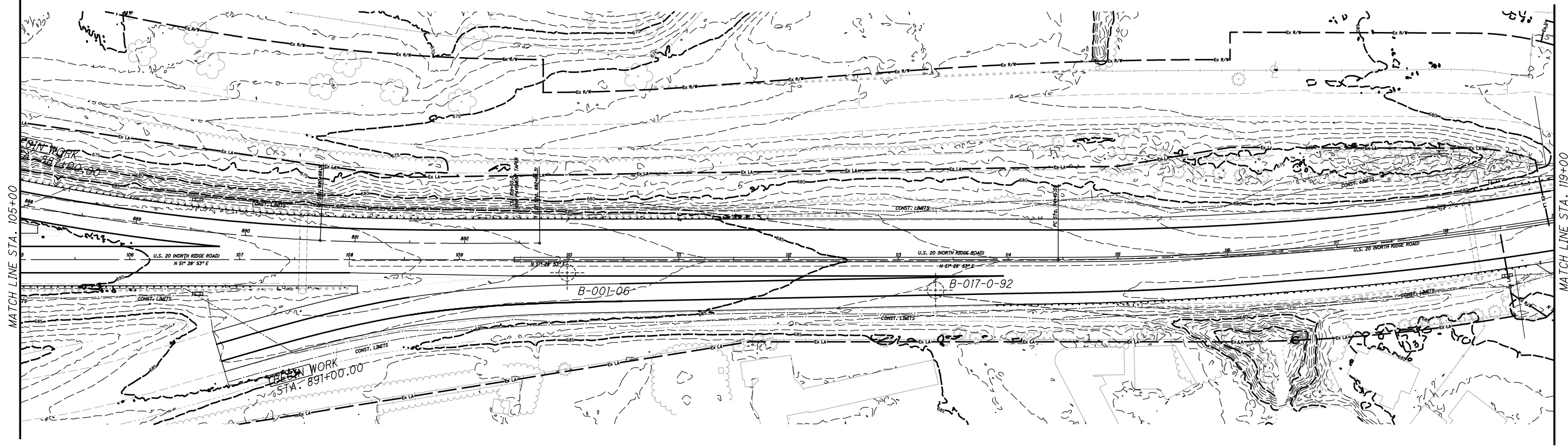
EXPLORATION NO., STATION & OFFSET	FROM - TO	SAMPLE ID	N	REC	%	HP	tsf	%	GR	%	CS	%	FS	%	SILT	%	CLAY	LL	PL	PI	%	WC	ODOT CLASS (GI)	ppm SO4
B-073-0-92 STA. 349+98, 27' RT	0.00-1.50	SS-1	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	A-4a (VISUAL)	
	2.50-4.00	SS-2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	A-3a (VISUAL)	
	5.50-7.00	SS-3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	A-3a (VISUAL)	
	8.50-10.00	SS-4	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	A-3a (VISUAL)	
B-075-0-92 STA. 358+00, 31' LT	0.50-2.00	SS-1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	A-3a (VISUAL)	
	2.50-4.00	SS-2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	A-3a (VISUAL)	
	5.50-7.00	SS-3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	A-3a (VISUAL)	
	8.50-10.00	SS-4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	A-1-B (VISUAL)	
B-077-0-92 STA. 366+18, 26' LT	0.00-1.50	SS-1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	A-3a (VISUAL)	
	2.00-3.50	SS-2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	A-3a (VISUAL)	
	5.50-7.50	SS-3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	A-3a (VISUAL)	
	8.50-10.00	SS-4	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	A-3a (VISUAL)	
B-079-0-92 STA. 373+98, 26' LT	0.00-1.50	SS-1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	A-3a (VISUAL)	
	2.00-3.50	SS-2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	A-3a (VISUAL)	
	5.50-7.00	SS-3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	A-3a (VISUAL)	
	8.50-10.00	SS-4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	A-3a (VISUAL)	
B-081-0-92 STA. 381+99, 25' RT	0.50-2.00	SS-1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	A-4a (VISUAL)	
	2.50-4.00	SS-2	2	-	-	-	1.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	A-4a (VISUAL)	
	5.50-7.00	SS-3	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	A-3 (VISUAL)	
	8.50-10.00	SS-4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	A-3 (VISUAL)	
B-083-0-92 STA. 389+99, 26' LT	0.00-1.50	SS-1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	A-3a (VISUAL)	
	2.00-3.50	SS-2	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	A-3a (VISUAL)	
	5.50-7.00	SS-3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	A-3a (VISUAL)	
	8.50-10.00	SS-4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	A-3a (VISUAL)	
B-086-0-92 STA. 402+08, 6' LT	1.50-3.00	SS-1	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	A-3a (VISUAL)	
	3.00-4.50	SS-2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	A-3a (VISUAL)	
	5.50-7.00	SS-3	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	A-3a (VISUAL)	
	8.50-10.00	SS-4	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	A-3a (VISUAL)	

SUMMARY OF SOIL TEST DATA  
US-20 R&R HISTORIC BORINGS

EXPLORATION NO., STATION & OFFSET	FROM - TO	SAMPLE ID	N	REC	%	HP	tsf	%	GR	%	CS	%	FS	%	SILT	%	CLAY	LL	PL	PI	%	WC	ODOT CLASS (GI)	ppm SO4
B-087-0-92 STA. 407+05, 26' RT.	1.00-2.50	SS-1	7	87	-	-	-	-	0	2	93	-	-	-	-	-	-	-	-	-	-	7	A-3	
	3.50-5.00	SS-2	7	100	-	-	-	-	0	2	91	-	-	-	-	-	-	-	-	-	-	10	A-3	
	8.50-10.00	SS-3	9	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A-3a (VISUAL)	
B-089-0-92 STA. 415+20, 24' LT.	1.00-2.50	SS-1	16	80	-	-	-	-	0	2	89	-	-	-	-	-	-	-	-	-	-	7	A-3a (VISUAL)	
	3.50-5.00	SS-2	27	87	-	-	-	-	0	2	82	-	-	-	-	-	-	-	-	-	-	12	A-3	
	8.50-10.00	SS-3	33	87	-	-	-	-	1	6	82	-	-	-	-	-	-	-	-	-	-	-	A-3a	
B-093-0-92 STA. 432+00, 32' RT.	1.00-2.50	SS-1	3	93	-	-	-	-	1	8	78	-	-	-	-	-	-	-	-	-	-	13	A-3a	
	3.50-5.00	SS-2	8	33	-	-	-	-	1	9	70	-	-	-	-	-	-	-	-	-	-	13	A-3a	
	8.50-10.00	SS-3	18	73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A-3a (VISUAL)	
B-097-0-92 STA. 447+45, 25' RT.	1.00-2.50	SS-1	5	53	-	-	-	-	5	18	54	-	-	-	-	-	-	-	-	-	-	19	A-3a	
	3.50-5.00	SS-2	6	40	-	-	-	-	5	16	55	-	-	-	-	-	-	-	-	-	-	9	A-3a	
	8.50-10.00	SS-3	12	87	-	-	-	-	19	16	55	-	-	-	-	-	-	-	-	-	-	-	A-3	
B-101-0-92 STA. 463+54, 23' RT.	1.00-2.50	SS-1	9	87	-	-	-	-	1	7	78	-	-	-	-	-	-	-	-	-	-	12	A-3a	
	3.50-5.00	SS-2	18	60	-	-	-	-	5	22	66	-	-	-	-	-	-	-	-	-	-	19	A-3a	
	8.50-10.00	SS-3	16	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A-3	
B-103-0-92 STA. 471+88, 27' RT.	1.00-2.50	SS-1	11	53	-	-	-	-	7	83	5	-	-	-	-	-	-	-	-	-	-	7	A-2-4 (VISUAL)	
	3.50-5.00	SS-2	13	80	-	-	-	-	1	3	66	-	-	-	-	-	-	-	-	-	-	23	A-1-b	
	8.50-10.00	SS-3	9	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A-3	
B-105-0-92 STA. 479+60, 23' RT.	1.00-2.50	SS-1	16	53	-	-	-	-	22	20	42	-	-	-	-	-	-	-	-	-	-	13	A-3a	
	3.50-5.00	SS-2	11	53	-	-	-	-	6	13	51	-	-	-	-	-	-	-	-	-	-	14	A-3a	
	8.50-10.00	SS-3	16	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A-3a (VISUAL)	
B-108-0-92 STA. 491+61, 20' RT.	1.00-2.50	SS-1	26	87	-	-	-	-	0	2	92	-	-	-	-	-	-	-	-	-	-	12	A-3	
	3.50-5.00	SS-2	11	67	-	-	-	-	61	26	5	-	-	-	-	-	-	-	-	-	-	6	A-1-a	
	8.50-10.00	SS-3	7	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A-3a (VISUAL)	
B-110-0-92 STA. 499+52, 23' RT.	1.00-2.50	SS-1	4	80	-	-	-	-	32	28	32	-	-	-	-	-	-	-	-	-	-	8	A-1-b (VISUAL)	
	3.50-5.00	SS-2	8	60	-	-	-	-	27	11	29	-	-	-	-	-	-	-	-	-	-	12	A-1-b	
	8.50-10.00	SS-3	9	47	-	-	-	-	27	11	29	-	-	-	-	-	-	-	-	-	-	-	A-4a	
B-114-0-92 STA. 515+80, 21' RT.	1.00-2.50	SS-1	17	80	-	-	-	-	42	27	18	-	-	-	-	-	-	-	-	-	-	8	A-1-b (VISUAL)	
	3.50-5.00	SS-2	26	67	-	-	-	-	19	46	30	-	-	-	-	-	-	-	-	-	-	7	A-1-b	
	8.50-10.00	SS-3	13	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A-1-b	
B-116-0-92 STA. 539+80, 20' RT.	1.00-2.50	SS-1	15	0	-	-	-	-	0	7	89	-	-	-	-	-	-	-	-	-	-	8	A-3a (VISUAL)	
	3.50-5.00	SS-2	5	40	-	-	-	-	65	13	13	-	-	-	-	-	-	-	-	-	-	11	A-1-a	
	8.50-10.00	SS-3	6	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	A-3a	
B-120-0-92 STA. 523+80, 21' RT.	1.00-2.50	SS-1	10	67	-	-	-	-	6	22	56	-	-	-	-	-	-	-	-	-	-	30	A-3a (VISUAL)	
	3.50-5.00	SS-2	15	40	-	-	-	-	8	21	45	-	-	-	-	-	-	-	-	-	-	21	A-3a	
	8.50-10.00	SS-3	12	53	-																			

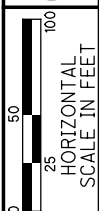
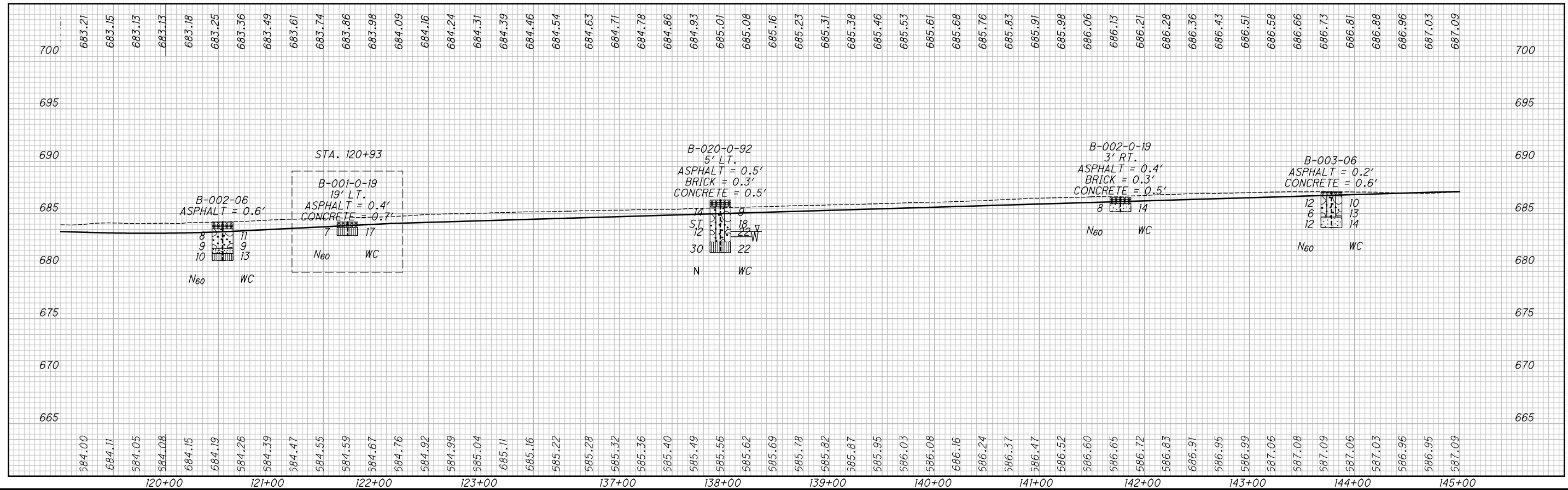
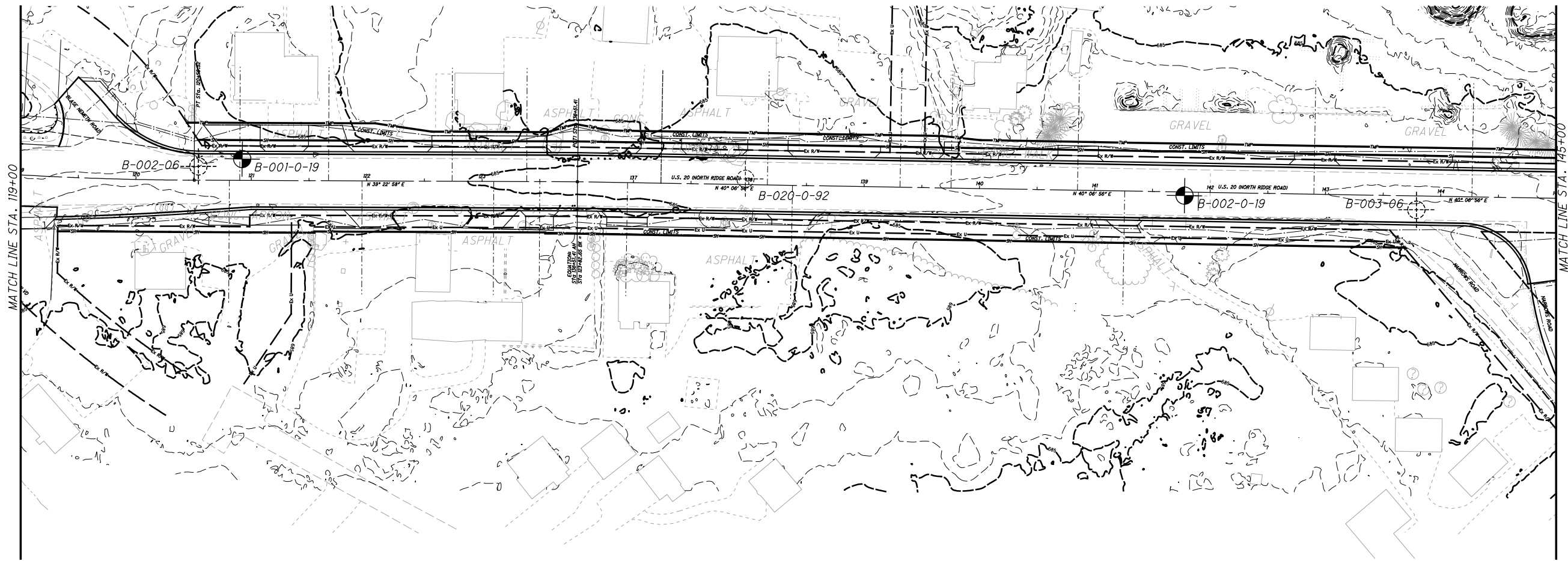
SUMMARY OF SOIL TEST DATA  
US-20 PSI HISTORIC BORINGS

EXPLORATION NO., STATION & OFFSET	FROM - TO	SAMPLE ID	N	REC	% HP	% tsf	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (G1)	ppm SO4
B-001-0-06 STA. 109+98	0.90-2.90 2.90-4.90 4.90-6.90	SS-1 SS-2 SS-3	25 19 8	67 67 58	- - -	- - -	11 BROWN GRAVEL AND/OR STONE FRAGMENTS WITH SAND	16 SAME AS SS-1	56 15	2	2	NP	NP	NP	13 11 10	A-3a A-3a (VISUAL) A-2-6 (VISUAL)	
B-002-0-06 STA. 120+54	1.33-3.33 3.33-5.00 5.00-5.33	SS-2 SS-3A SS-3B	8 9 0	42 58 0	- - -	- - -	31 BROWN FINE SAND, TRACE GRAVEL AND CLAY, TRACE GRAVEL	41 SAME AS SS-2	11 15	2	2	NP	NP	NP	11 9	A-1-b (FILL) A-1-b (FILL)	
B-003-0-06 STA. 143+79	0.80-2.80 2.80-4.80 4.80-6.80	SS-2 SS-3 SS-4	12 6 12	71 63 54	- - -	- - -	37 BROWN COARSE AND FINE SAND, LITTLE GRAVEL	16 SAME AS SS-2	17 27	3	3	NP	NP	NP	10 13 14	A-2-4 A-2-4 (VISUAL) A-3a (VISUAL)	
B-004-0-06 STA. 154+35	0.90-2.90 2.90-4.90 4.90-6.90	SS-2 SS-3 SS-4	4 12 12	50 75 25	- - -	- - -	18 BROWN GRAVEL AND/OR STONE FRAGMENTS WITH SAND AND SILT, TRACE CLAY	28 SAME AS SS-2	18 33	3	20	1	NP	NP	14 14	A-4a A-4a (VISUAL)	
B-005-0-06 STA. 186+03	0.90-2.90 2.90-4.90 4.90-6.90	SS-2 SS-3 SS-4	9 16 12	21 42 63	- - -	- - -	7 BROWN FINE SAND, TRACE TO LITTLE SILT	28 SAME AS SS-2	46 16	3	3	NP	NP	NP	14 8 13	A-3a A-3a (VISUAL) A-3 (VISUAL)	
B-006-0-06 STA. 186+03	0.90-2.90 2.90-4.90 4.90-6.90	SS-2 SS-3 SS-4	9 10 11	63 42 79	- - -	- - -	1 SAME AS SS-2	65 19	19	3	3	NP	NP	NP	9 6 8	A-3a A-3a (VISUAL) A-3a (VISUAL)	
B-007-0-06 STA. 207+15	1.10-3.10 3.10-5.10 5.10-7.10	SS-2 SS-3 SS-4	6 7 9	67 63 25	- - -	- - -	27 BROWN COARSE AND FINE SAND, TRACE SILT, TRACE GRAVEL SAME AS SS-3	24 18	28	3	3	NP	NP	NP	10	A-1-b	
B-008-0-06 STA. 233+55	0.90-2.90 2.90-4.90 4.90-6.90	SS-2 SS-3 SS-4	6 4 10	50 54 79	- - -	- - -	0 SAME AS SS-2	79 12	12	1	1	NP	NP	NP	8 6 6	A-3a A-3a (VISUAL) A-3a (VISUAL)	
B-009-0-06 STA. 249+39	0.90-2.90 2.90-4.90 4.90-6.90	SS-2 SS-3 SS-4	12 6 9	63 50 58	- - -	- - -	5 BROWN COARSE AND FINE SAND, TRACE SILT, CLAY AND STONE FRAGMENTS	6 8	80 2	1	1	NP	NP	NP	10 7	A-3 A-3 (VISUAL)	
B-010-0-06 STA. 275+79	0.80-2.80 2.80-3.80 3.80-4.80 4.80-6.80	SS-2 SS-3A SS-3B SS-4	21 46 23	67 83 0 79	- - - -	- - - -	9 BROWN GRAVEL AND/OR STONE FRAGMENTS WITH SAND, TRACE SILT, AND CLAY SAME AS SS-3B	21 59	10	1	1	NP	NP	NP	12 7	A-3a (FILL) A-3a (FILL) (VISUAL)	
B-011-0-06 STA. 296+91	1.20-3.20 3.20-5.20 5.20-7.20	SS-2 SS-3 SS-4	9 5 5	75 50 79	- - -	- - -	7 SAME AS SS-2	41 18	3	3	3	NP	NP	NP	10 7 6	A-3a A-3a (VISUAL) A-3a (VISUAL)	
B-012-0-06 STA. 333+87	0.80-2.80 2.80-4.80 4.80-6.80	SS-2 SS-3 SS-4	12 6 8	54 71 92	- - -	- - -	1 SAME AS SS-2	82 8	8	1	1	NP	NP	NP	7 7 10	A-3 (VISUAL) A-3 (VISUAL) A-3 (VISUAL)	
B-013-0-06 STA. 397+23	0.90-2.90 2.90-4.90 4.90-6.90	SS-2 SS-3 SS-4	17 11 11	58 58 75	- - -	- - -	0 SAME AS SS-2	93 5	5	0	0	NP	NP	NP	3 3 4	A-3 (VISUAL) A-3 (VISUAL) A-3 (VISUAL)	
B-014-0-06 STA. 423+63	1.30-3.30 3.30-5.30 5.30-7.30	SS-2 SS-3 SS-4	8 8 9	75 83 71	- - -	- - -	0 SAME AS SS-2	93 6	6	0	0	NP	NP	NP	4 4 6	A-3 (VISUAL) A-3 (VISUAL) A-3 (VISUAL)	
B-015-0-06 STA. 439+47	1.00-1.80 1.80-3.00 3.00-5.00 5.00-7.00	SS-2A SS-2B SS-3 SS-4	6 8 11 8	75 0 79 67	- - - -	- - - -	0 4 BROWN FINE SAND, LITTLE SILT, TRACE GRAVEL	83 19	9 9	0 3	0	NP	NP	NP	21 18 11 17	A-3 (FILL) A-3a A-3a (VISUAL) A-3 (VISUAL)	
B-016-0-06 STA. 460+59	0.90-2.90 2.90-4.90 4.90-6.90	SS-2 SS-3 SS-4	24 12 6	63 96 75	- - -	- - -	16 3 SAME AS SS-3	17 56 10	10	1	0	NP	NP	NP	7 6 8	A-3a (FILL) A-3 A-3 (VISUAL)	
B-017-0-06 STA. 486+99	0.70-2.70 2.70-4.70 4.70-6.70 6.70-8.70	SS-2 SS-3 SS-4A SS-4B	11 8 8 0	63 75 75 0	- - - -	- - - -	6 BROWN FINE SAND, TRACE GRAVEL BROWN COARSE AND FINE SAND, LITTLE GRAVEL	7 69	16 2	2	2	NP	NP	NP	16 7 9 8	A-3a A-3a (VISUAL) A-3 (VISUAL) A-3a (VISUAL)	
B-018-0-06 STA. 508+11	0.90-2.90 2.90-3.90 3.90-4.90	SS-2 SS-3A SS-3B	11 4 0	67 100 0	- - -	- - -	8 BROWN FINE SAND, SOME TO TRACE SILT, TRACE STONE FRAGMENTS	5 80	7 7	0	0	NP	NP	NP	7 13	A-3 (FILL) A-3 (FILL) (VISUAL)	
B-019-0-06 STA. 534+51	1.10-3.10 3.10-5.10 5.10-7.10	SS-2 SS-3 SS-4	3 11 8	71 54 83 67	- - - -	- - - -	1 SAME AS SS-2	69 20	20	2	2	NP	NP	NP	10 11 6 5	A-3 (VISUAL) A-3 (VISUAL) A-3a (VISUAL) A-3a (VISUAL)	
B-020-0-06 STA. 560+91	0.90-2.90 2.90-4.90 4.90-6.90	SS-2 SS-3 SS-4	6 10 11	71 58 63	- - -	- - -	22 BROWN/GRAY GRAVEL AND/OR STONE FRAGMENTS WITH SAND, TRACE SILT AND CLAY SAME AS SS-3	20 48	9 0	0	0	NP	NP	NP	10 6 6	A-3 (VISUAL) A-1-b (VISUAL) A-1-b (VISUAL)	



DRAWN: JGR  
CHECKED: JF/TPO

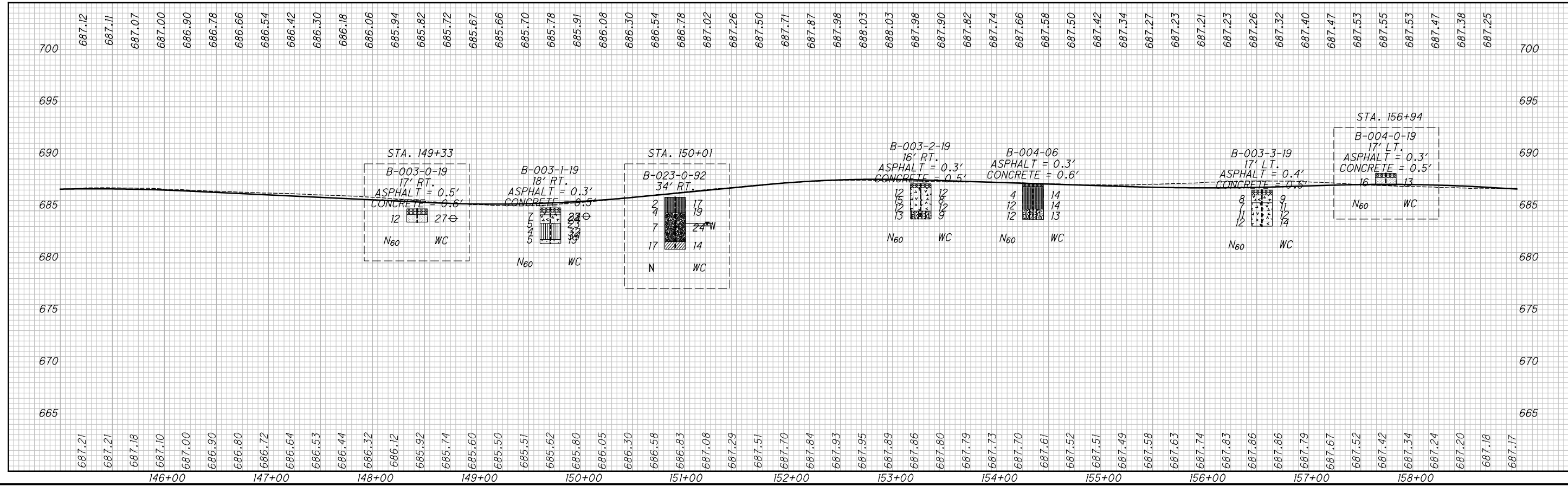
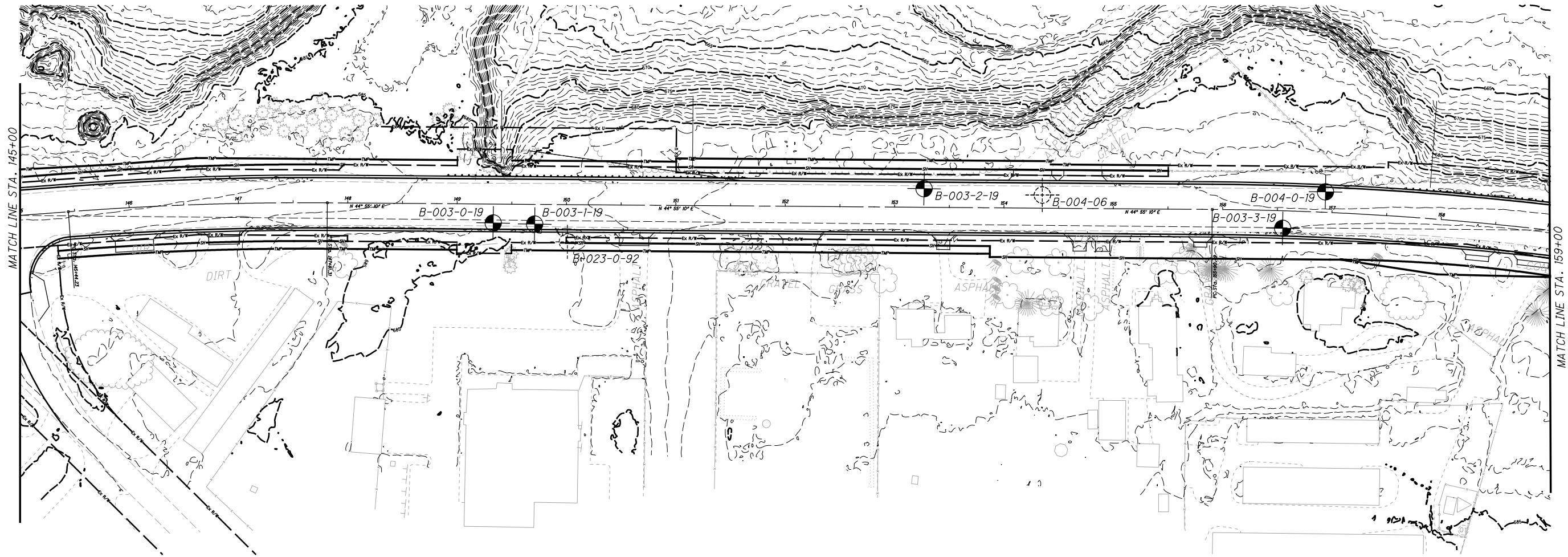
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**STA. 105+50 TO STA. 119+00**



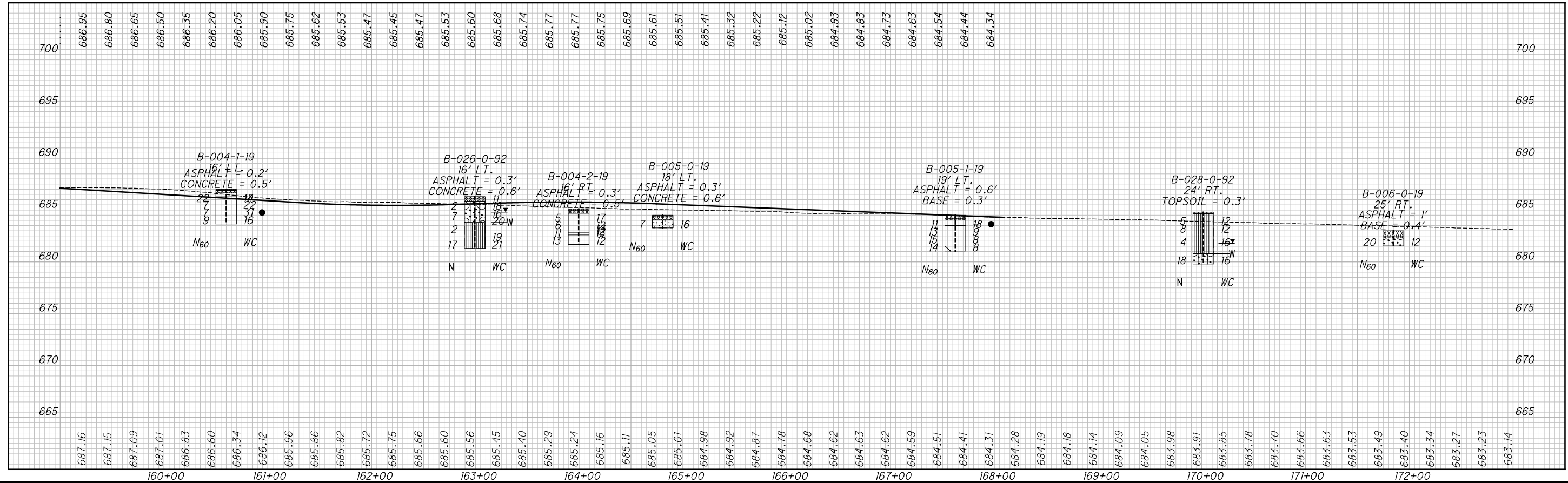
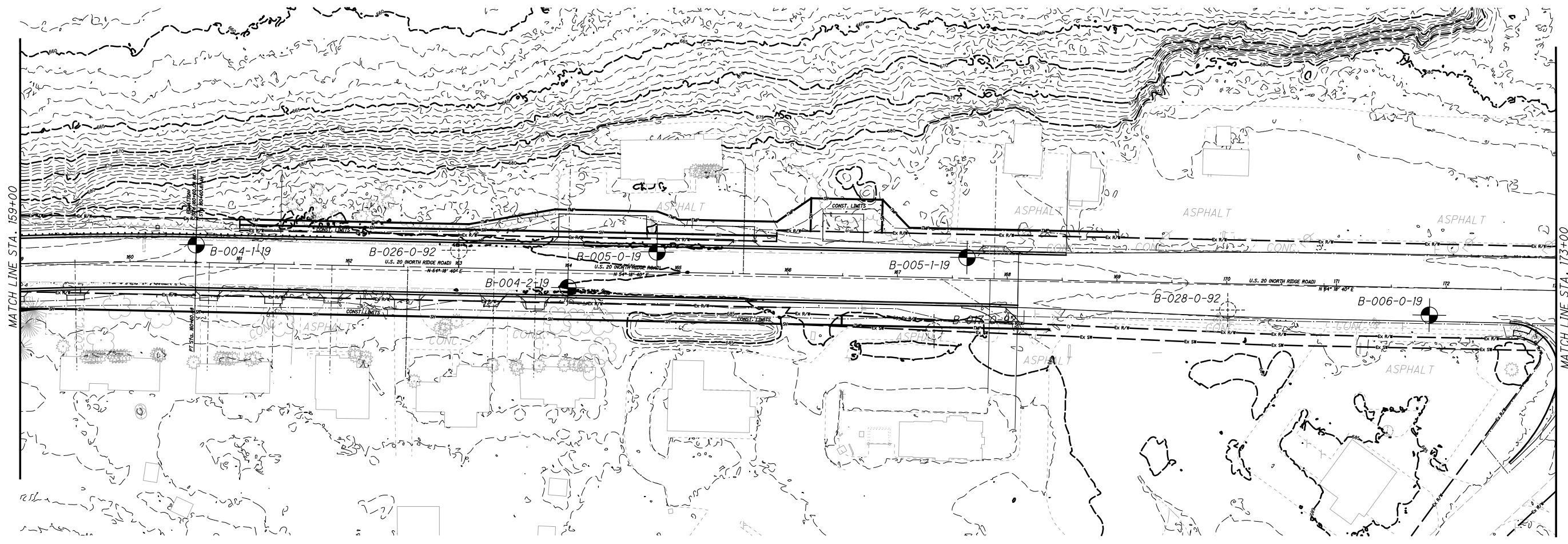
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CHECKED: JF/TPO

**SOIL PROFILE**  
**STA. 119+00 TO STA. 145+00**

**LAK-20-19.59**



SOIL PROFILE  
STA. 145+00 TO STA. 159+00

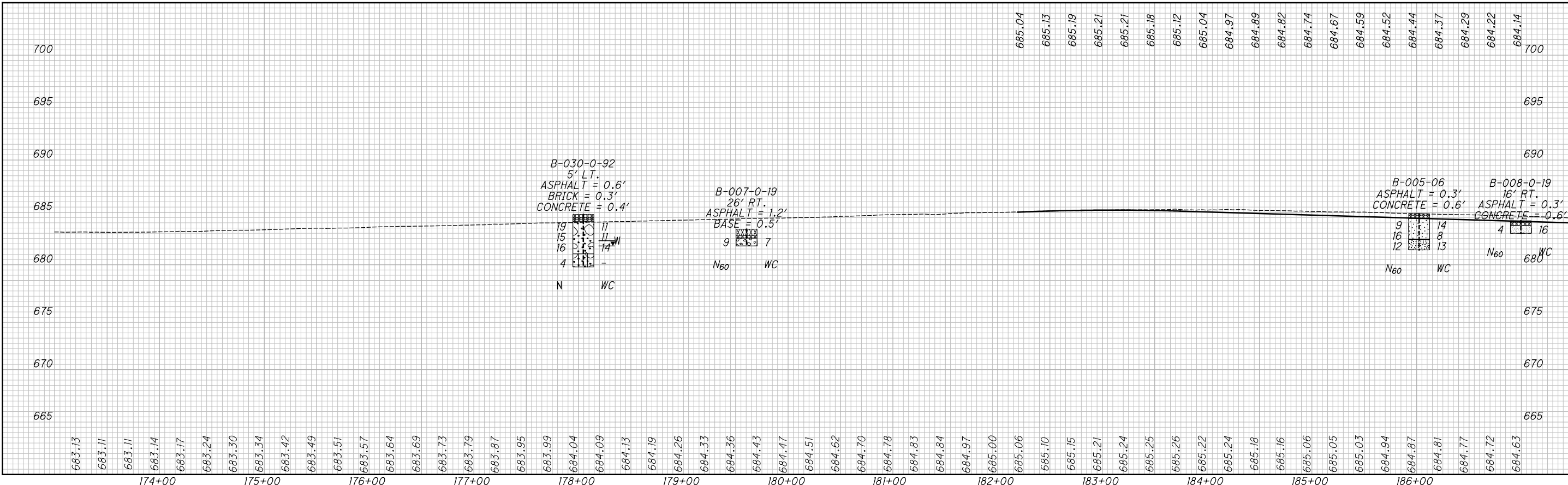
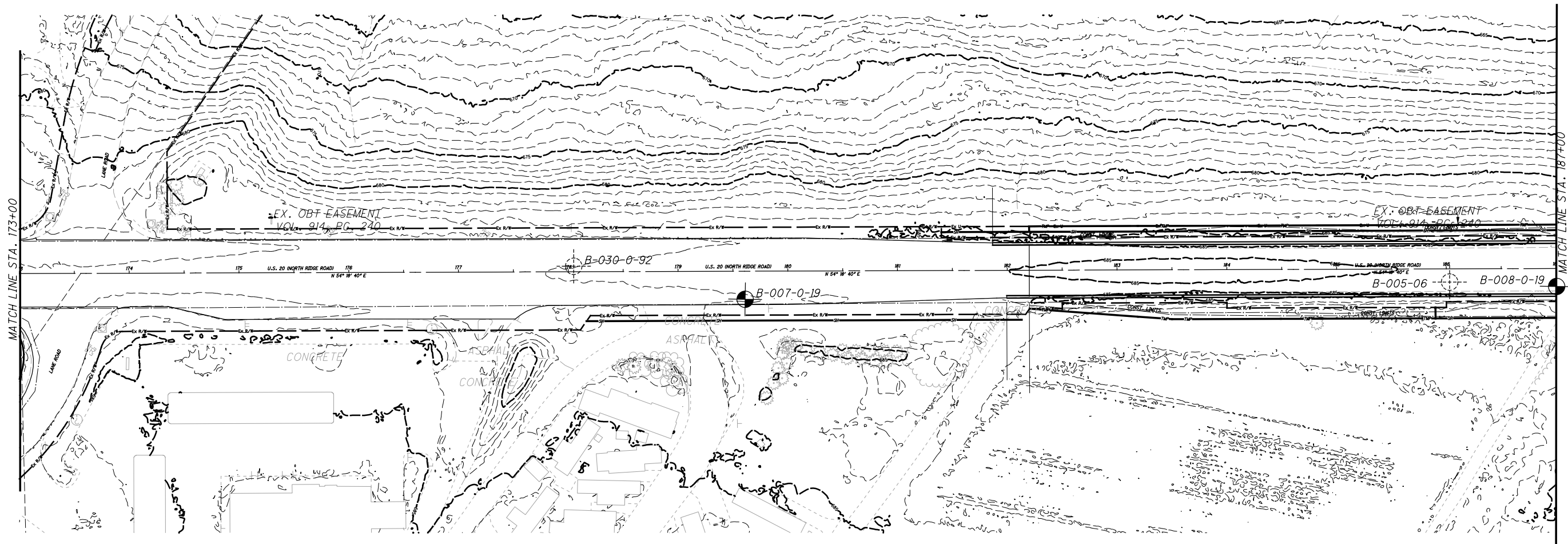


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**SOIL PROFILE**  
**STA. 159+00 TO STA. 173+00**



\\Sme-inc\pzwip\080953.0\CAD\DWGS\ODOT\PHASE 2\Project\_Data\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_GP008.dgn\_Sheet 7/13/2022 9:07:24 AM jose.rjos

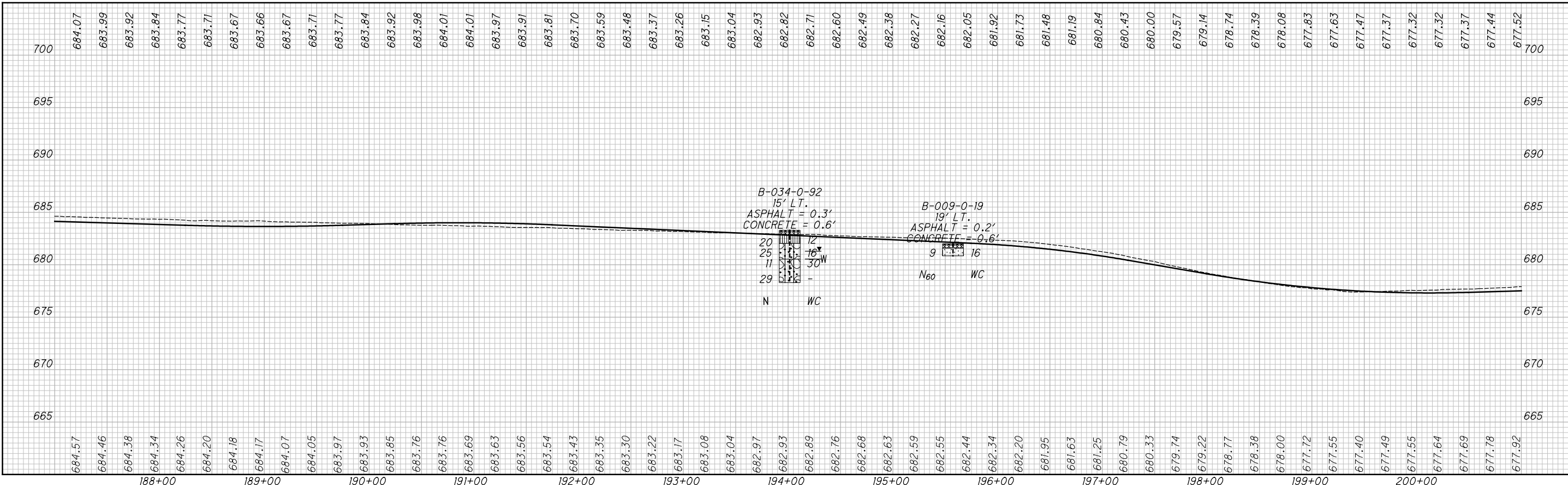
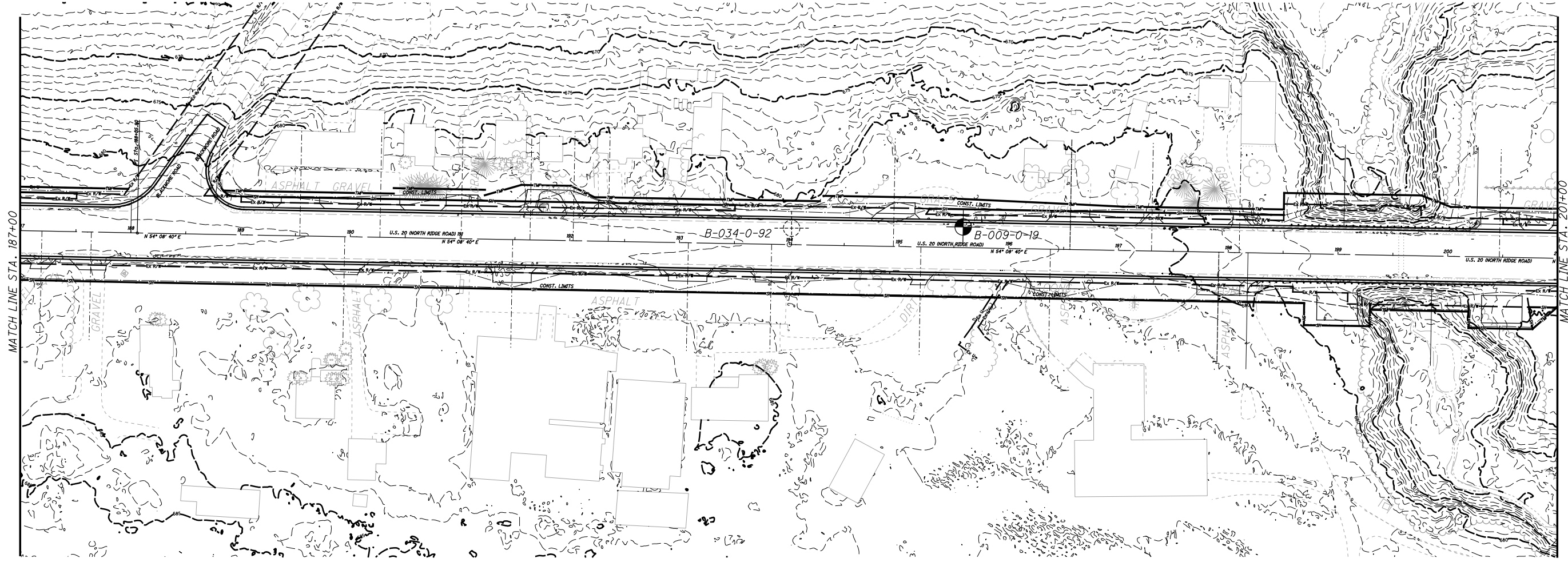


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**SOIL PROFILE**  
**STA. 173+00 TO STA. 187+00**

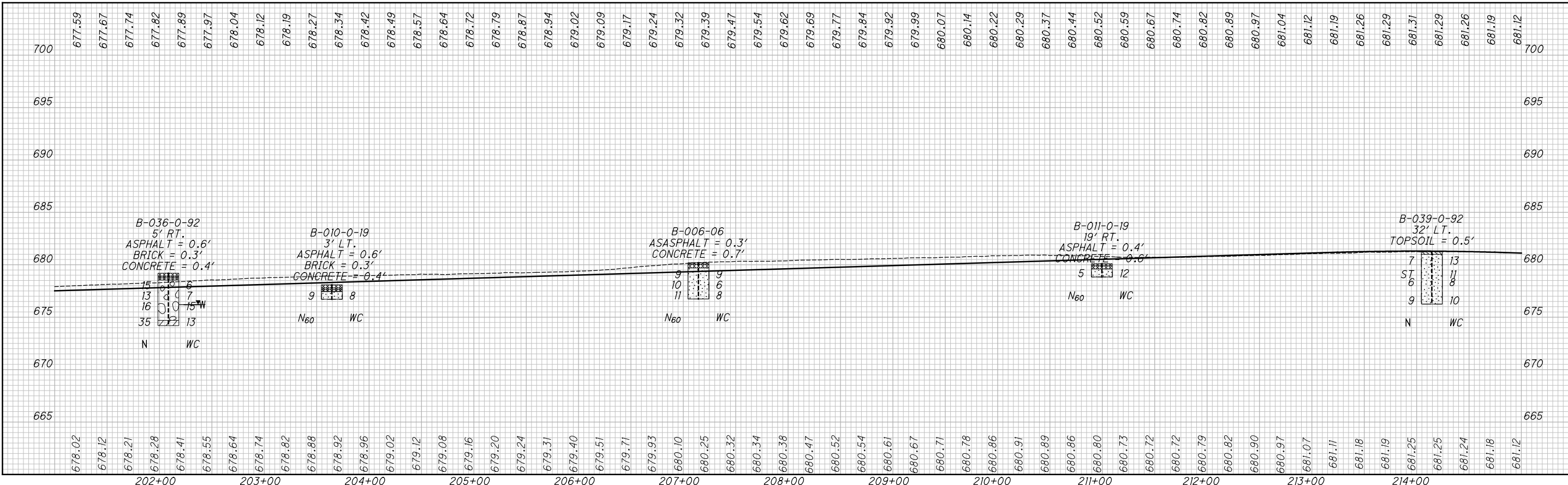
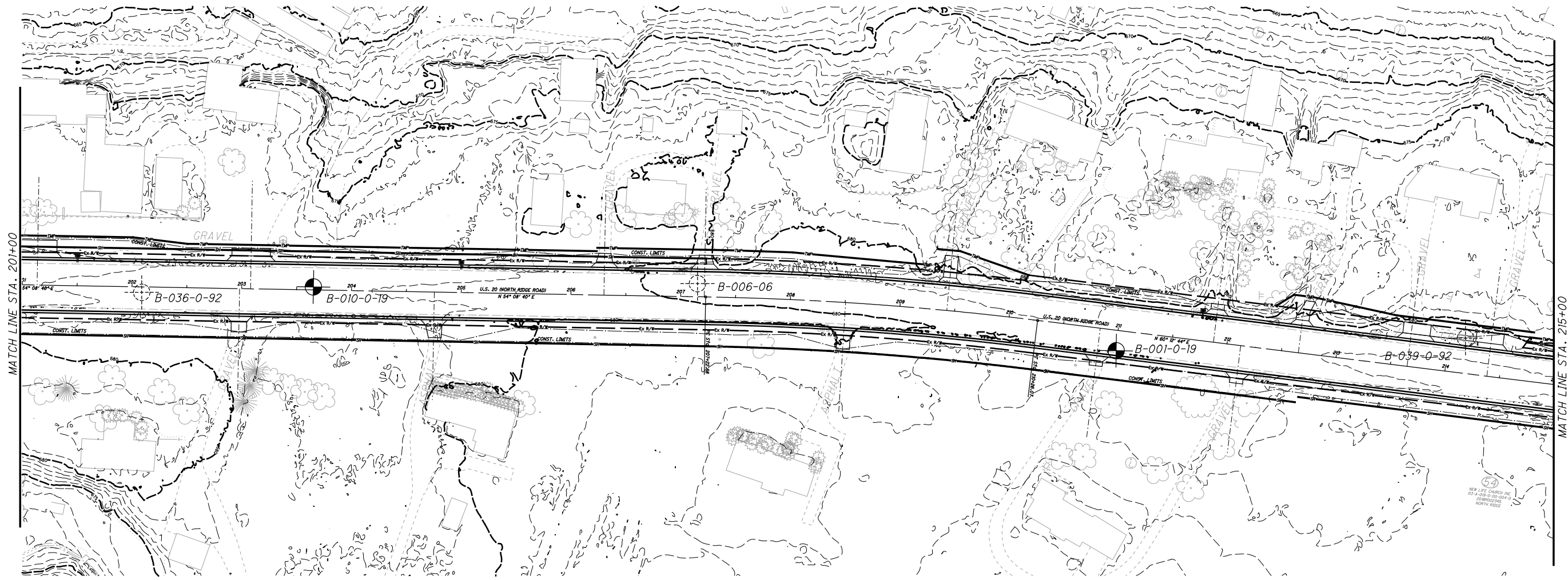
**LAK-20-19.59**





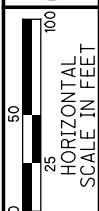
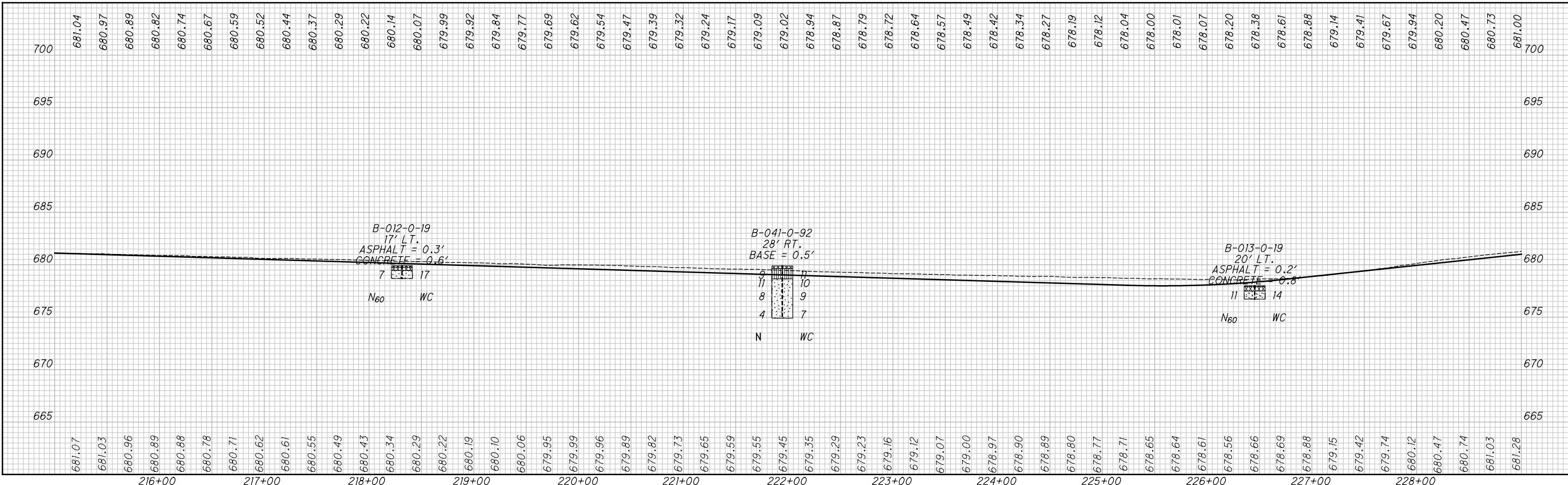
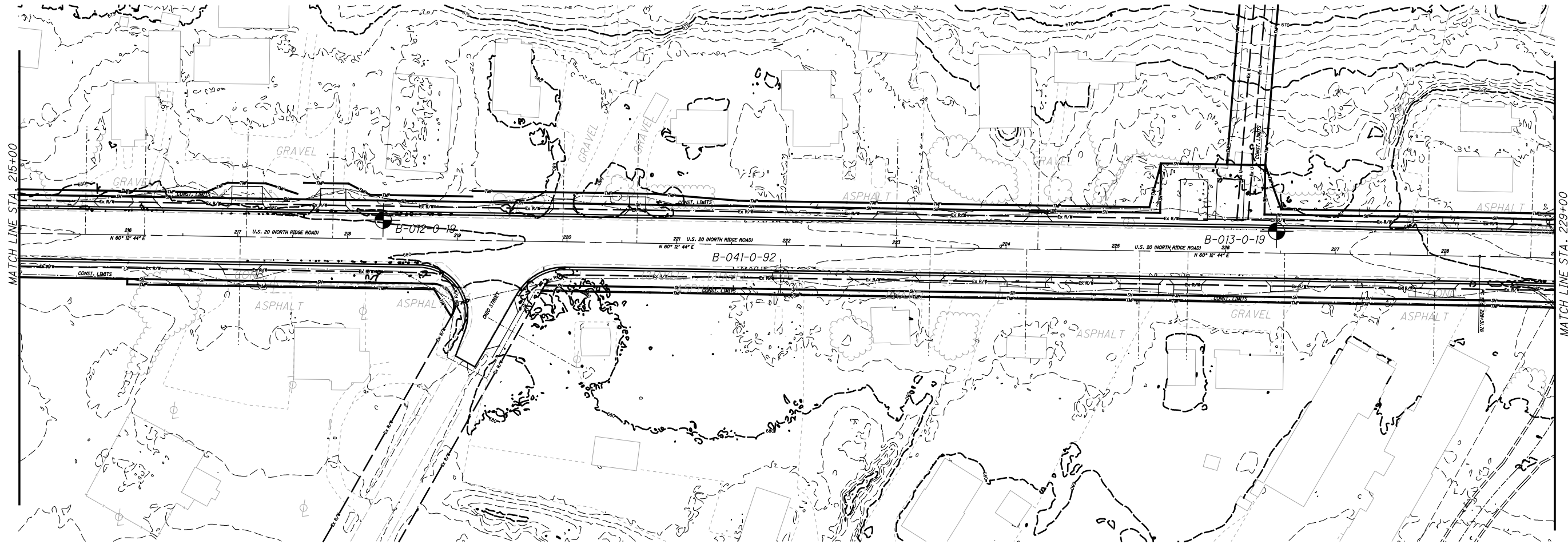
HORIZONTAL SCALE IN FEET

DRAWN: JCR  
 CHECKED: JF/TPO  
**SOIL PROFILE**  
**STA. 187+00 TO STA. 201+00**



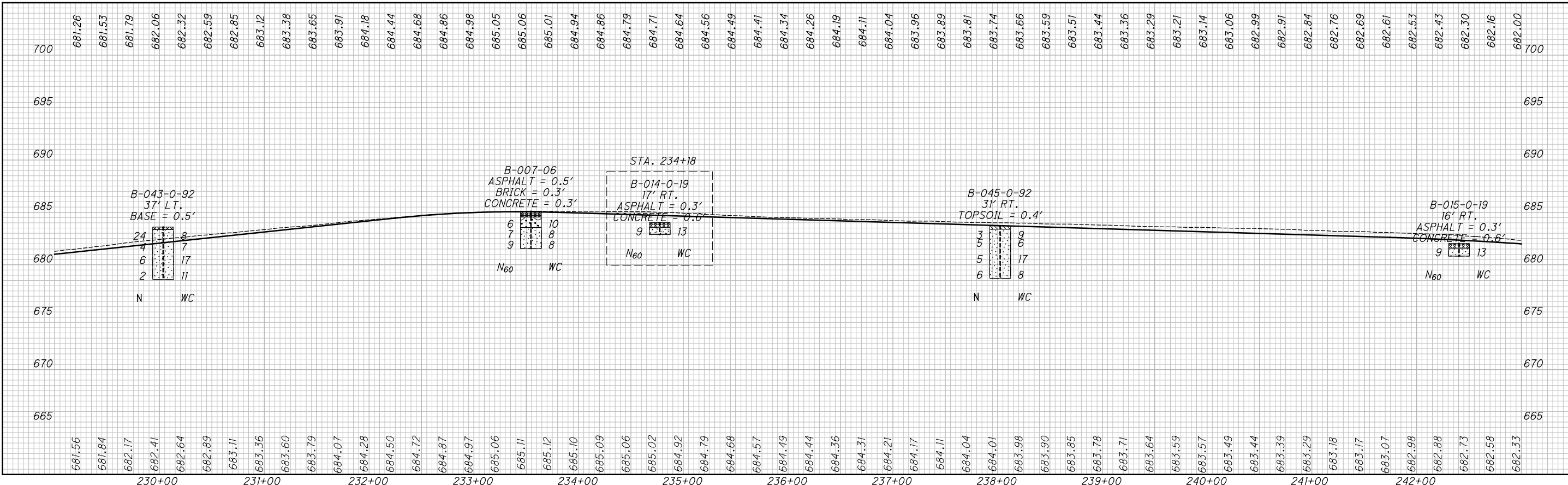
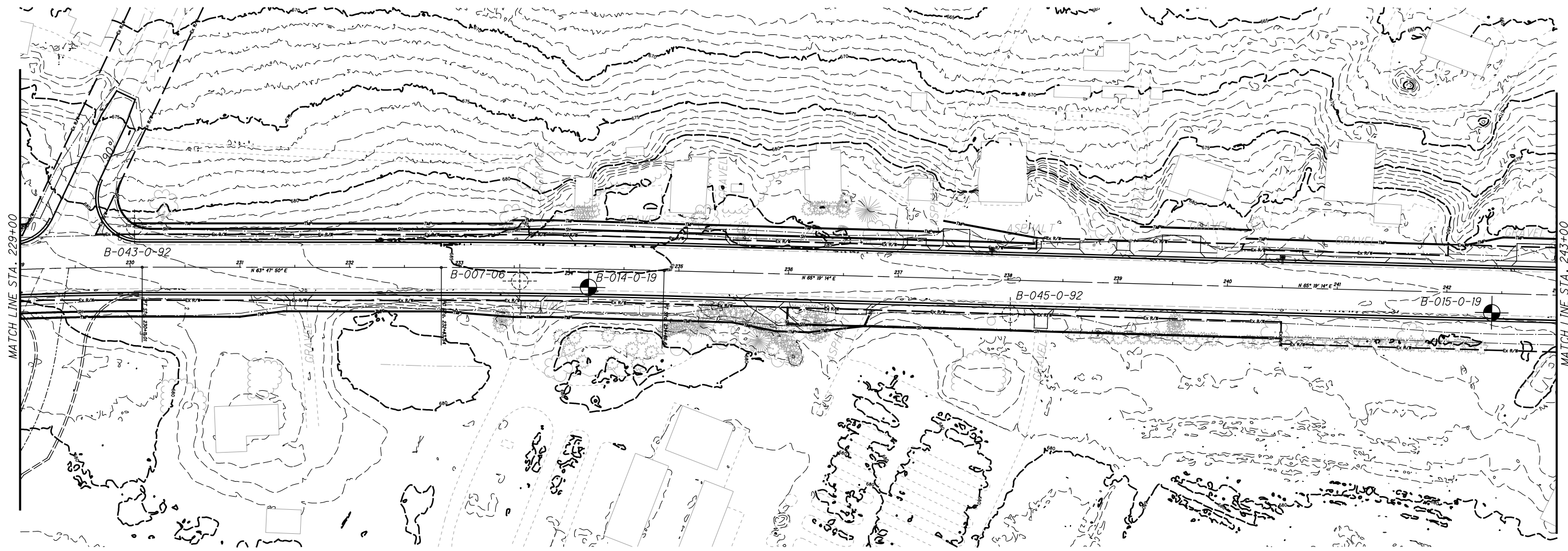
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**STA. 201+00 TO STA. 215+00**

\\Sme-inc\pzw\080953\0\CAD\DWGS\DOT\PHASE 2\Project\_Data\08665\_LAK\_20\_WEST\_Design\_Roadway\Sheets\08665\_GPOIL15.dgn\_Sheet 7/14/2022 7:22:22 AM jose.rios



DRAWN: JGR  
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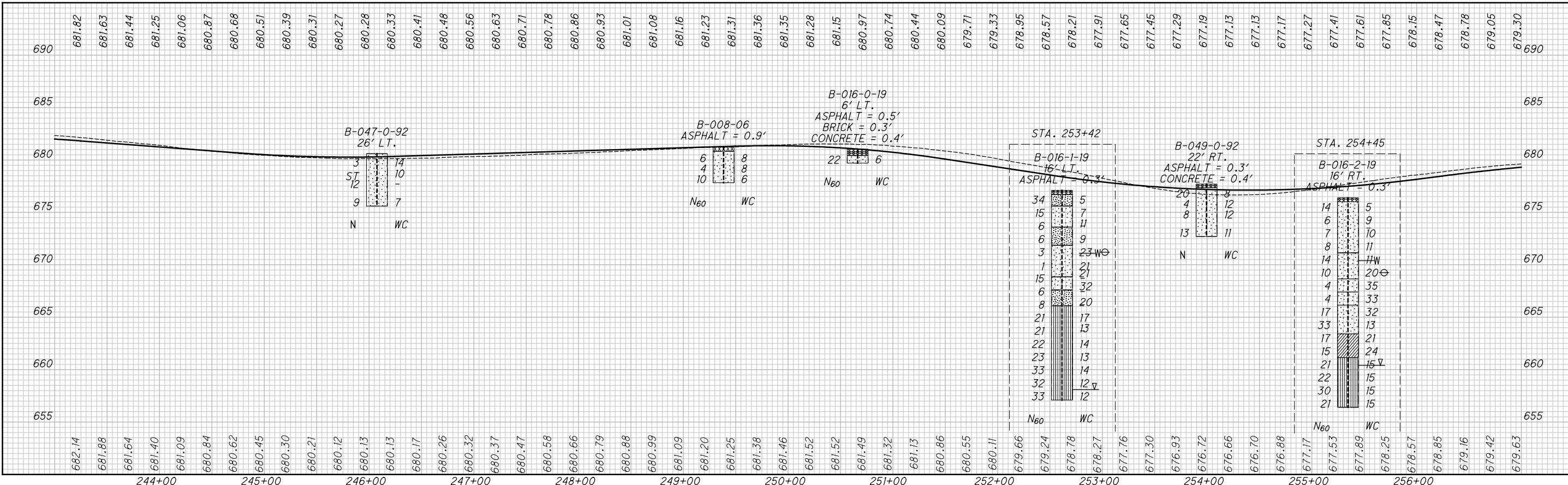
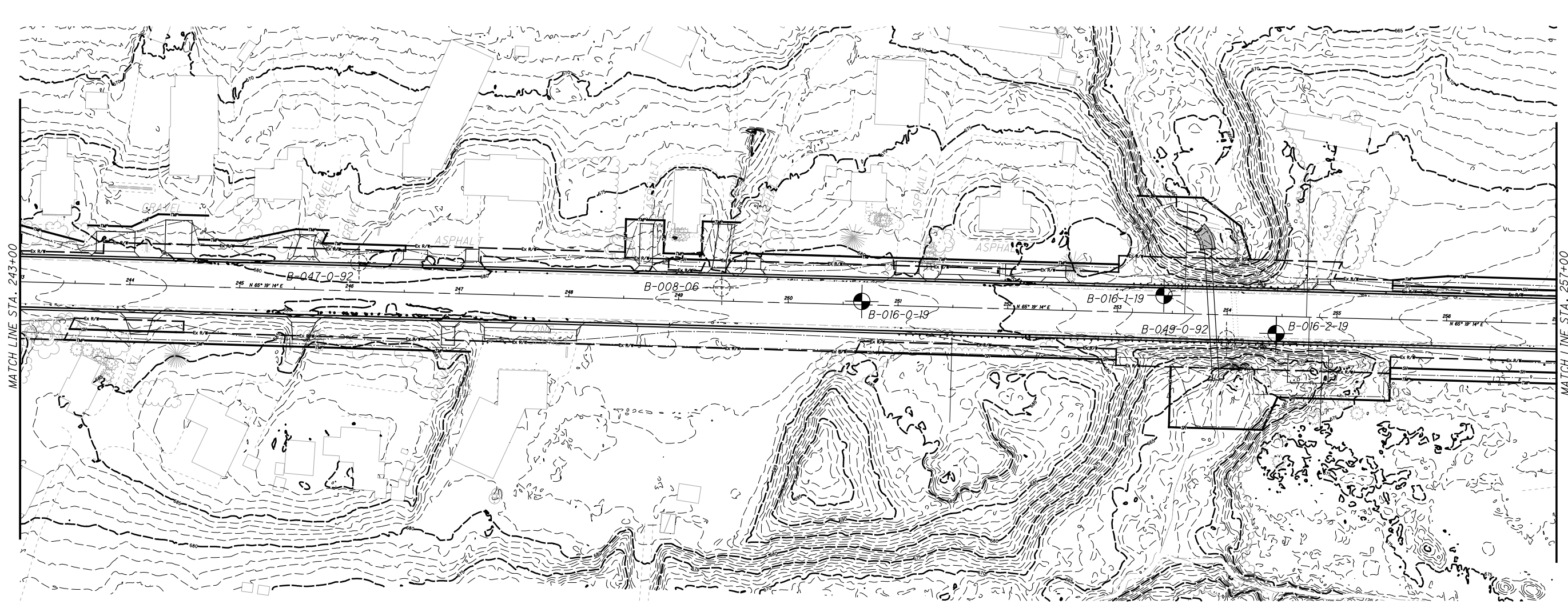
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**STA. 215+00 TO STA. 229+00**



DRAWN: JGR  
 CHECKED: JF/TPO

**SOIL PROFILE**  
**STA. 229+00 TO STA. 243+00**

\\Sme-inc\pzw\080953.0\CAD\DWGS\ODOT\PHASE 2\Project\_Data\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_GP013\_17.dgn Sheet 7/14/2022 10:09:17 AM jose.r.ios



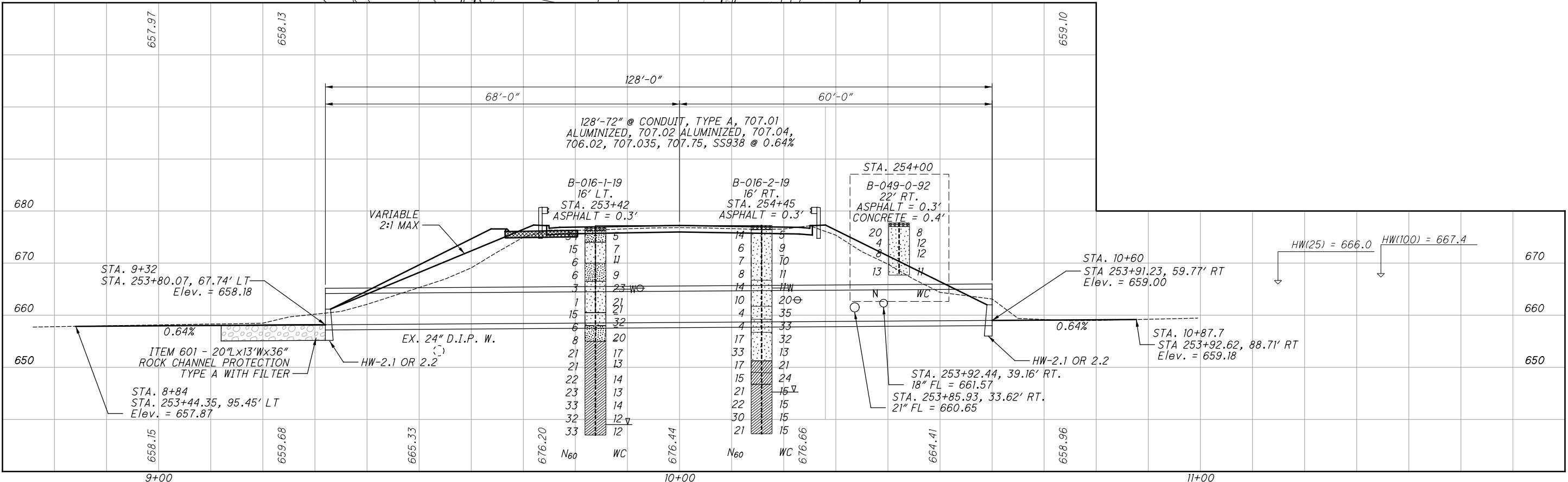
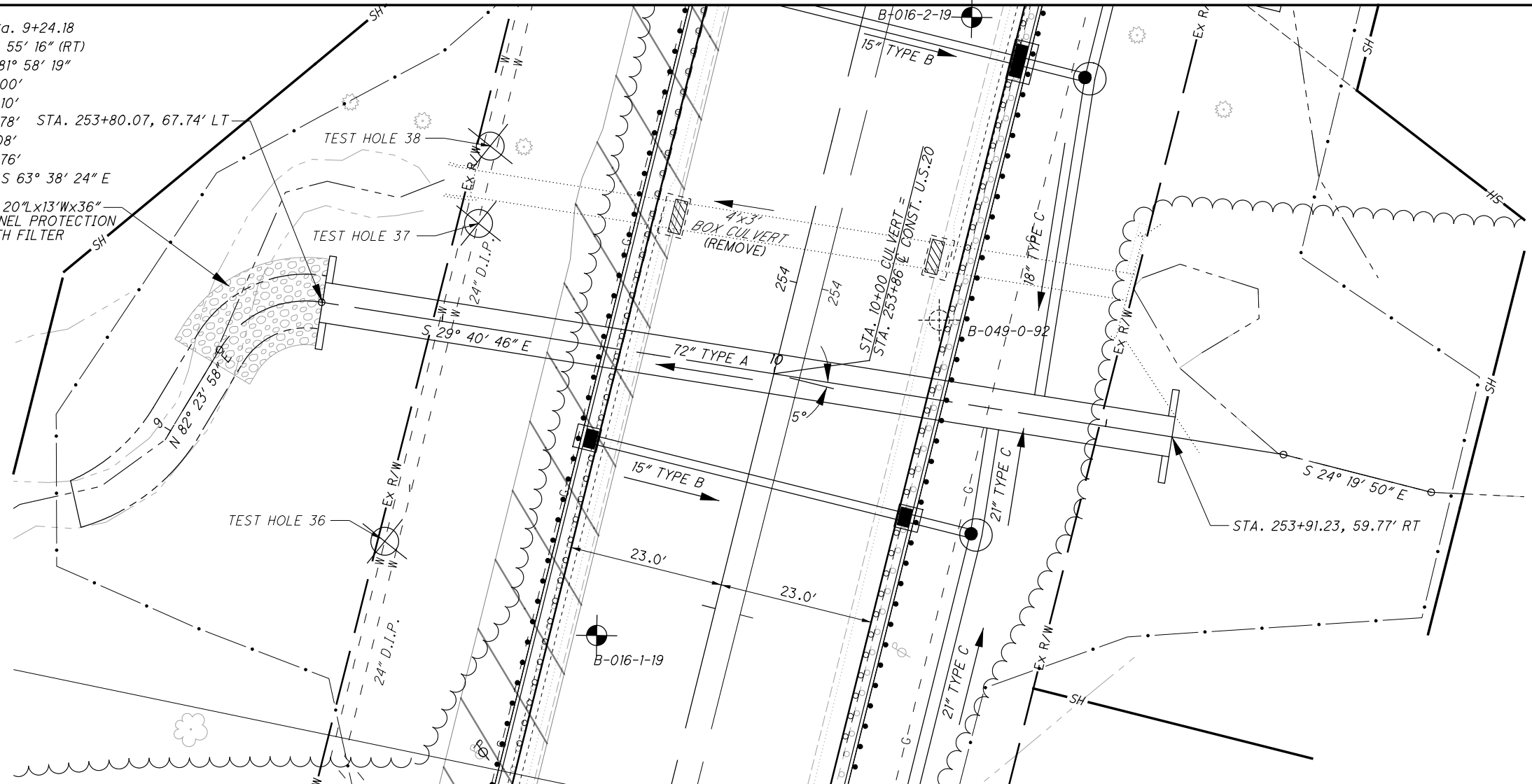
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 CHECKED: JF/TPO  
**SOIL PROFILE**  
**STA. 243+00 TO STA. 257+00**



\\Sme-inc\p2\wip\080953\0\CAD\DWGS\ODOT\PHASE 2\FOR WALL AND CULVERT SHEETS\CULVERT DETAILS\08665.DC001.dgn Sheet 7/14/2022 8:34:21AM jose.r.tos

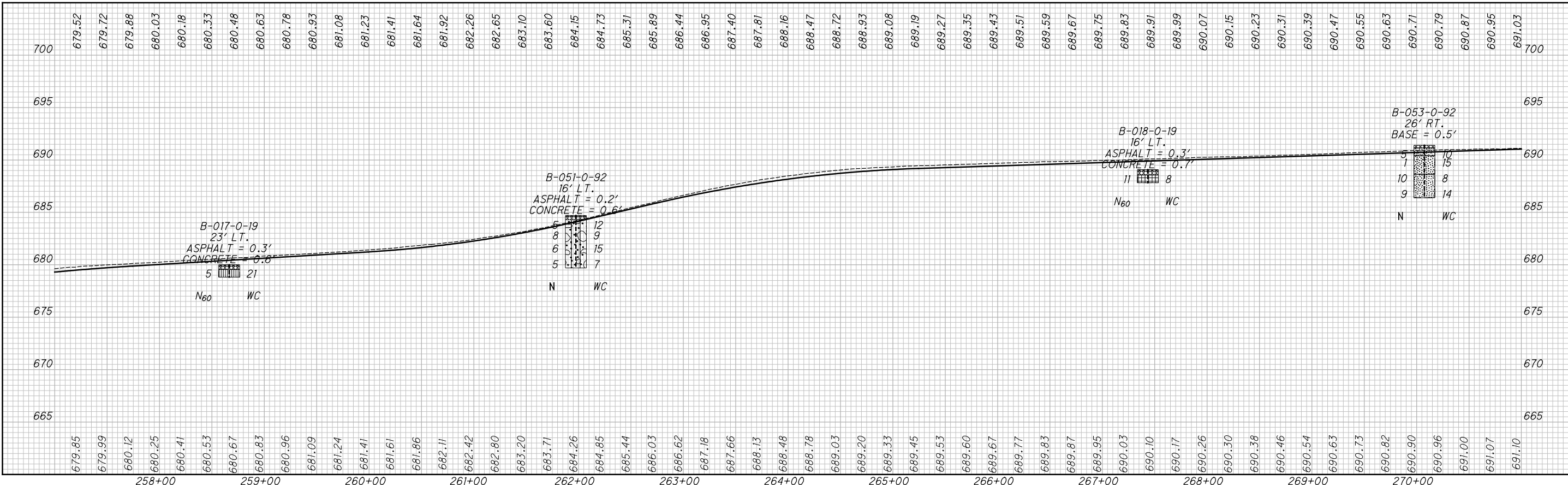
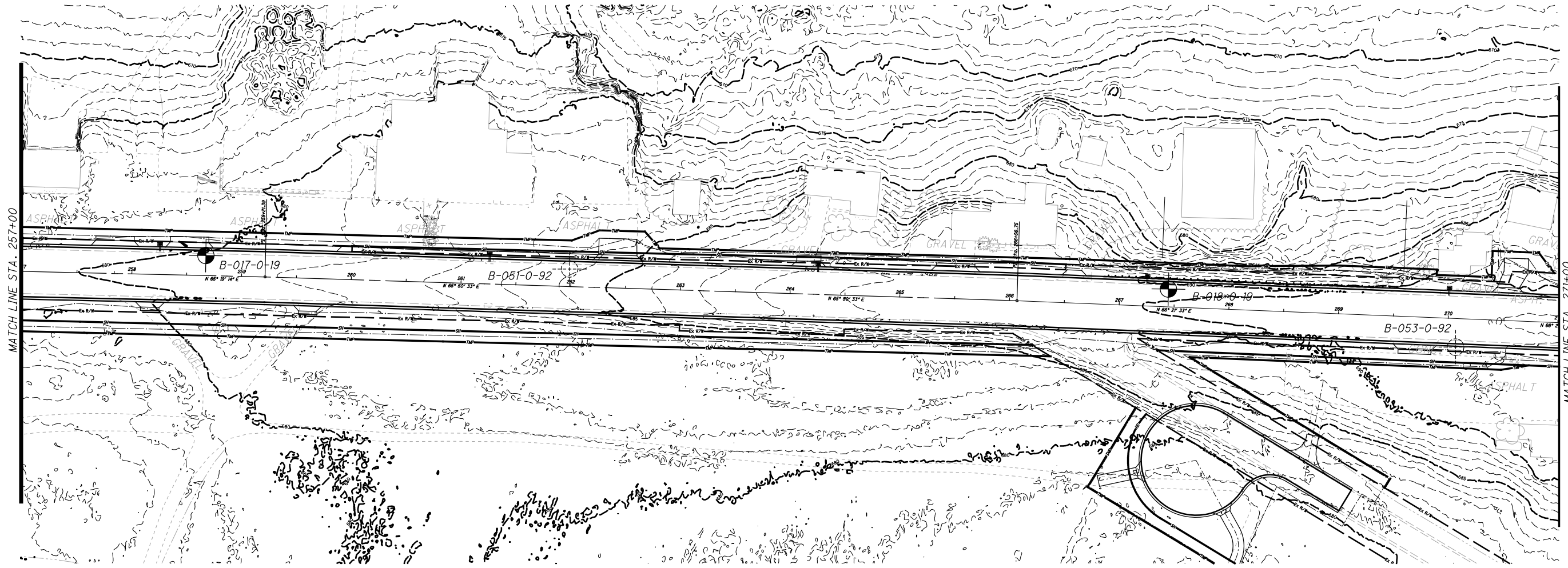
P.I. Sta. 9+24.18  
 $\Delta = 67^\circ 55' 16''$  (RT)  
 $D_c = 381' 58' 19''$   
 $R = 15.00'$   
 $T = 10.10'$   
 $L = 17.78'$  STA. 253+80.07, 67.74' LT  
 $E = 3.08'$   
 $C = 16.76'$   
 $C.B. = S 63^\circ 38' 24'' E$

ITEM 601 - 20" Lx13" Wx36"  
 ROCK CHANNEL PROTECTION  
 TYPE A WITH FILTER



STRUCTURE FOUNDATION EXPLORATION  
 CULVERT AT STA. 253+86

LAK-20-1959

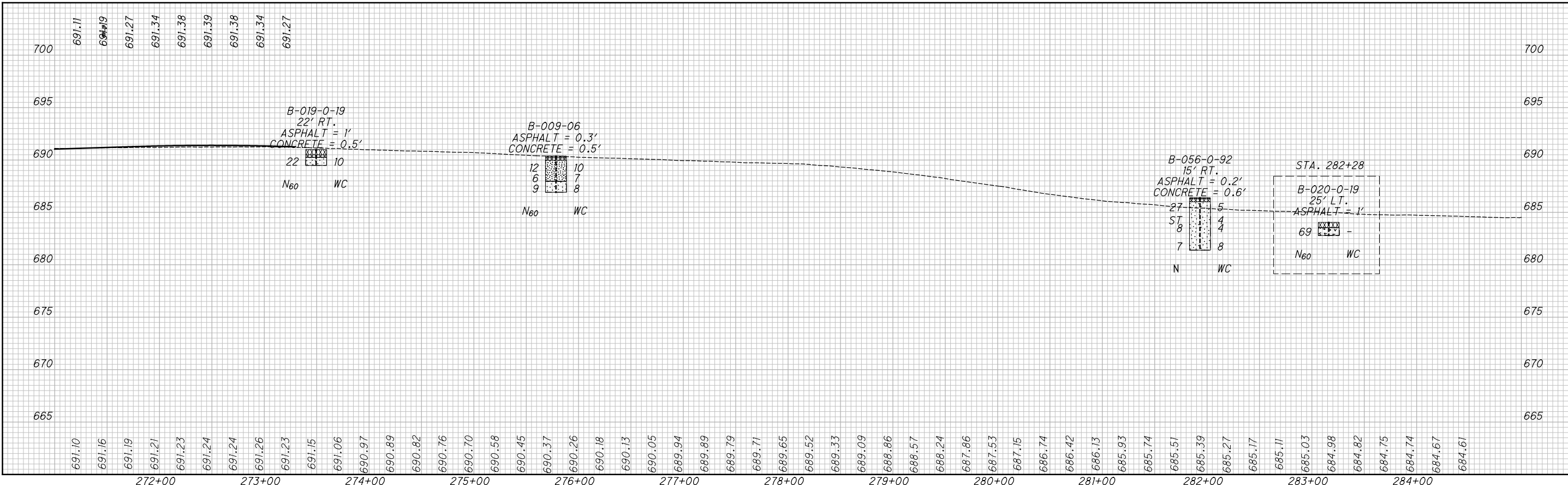
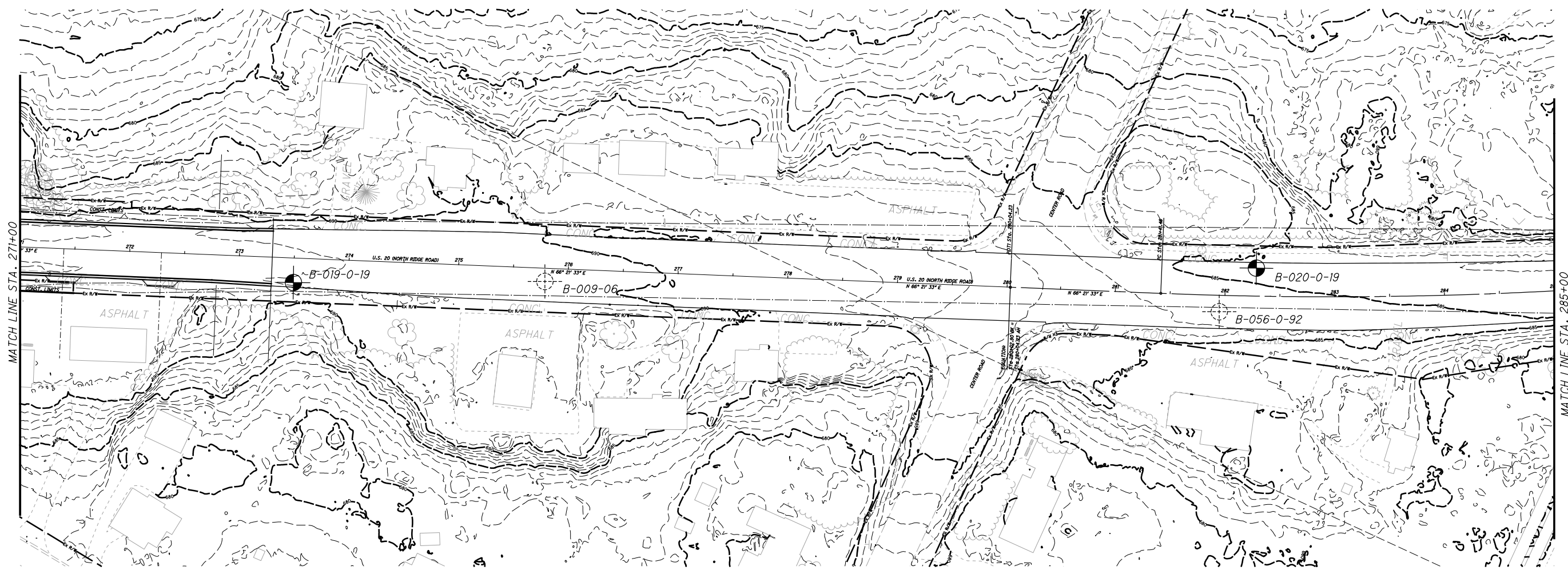


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**SOIL PROFILE**  
**STA. 257+00 TO STA. 271+00**

**LAK-20-19.59**

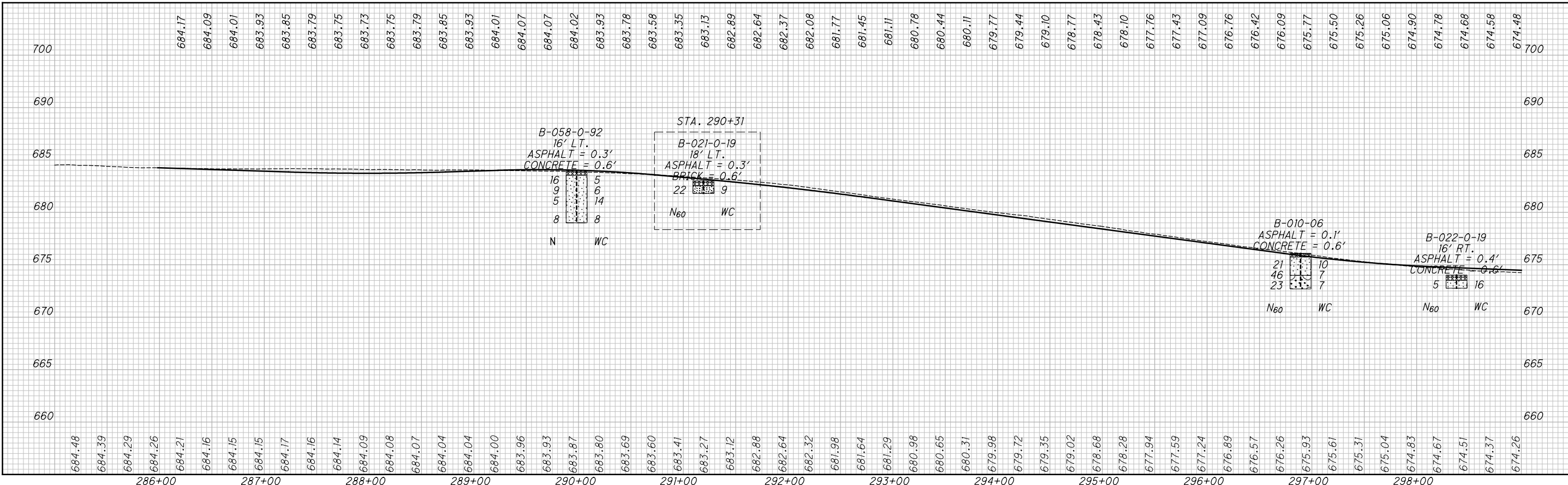
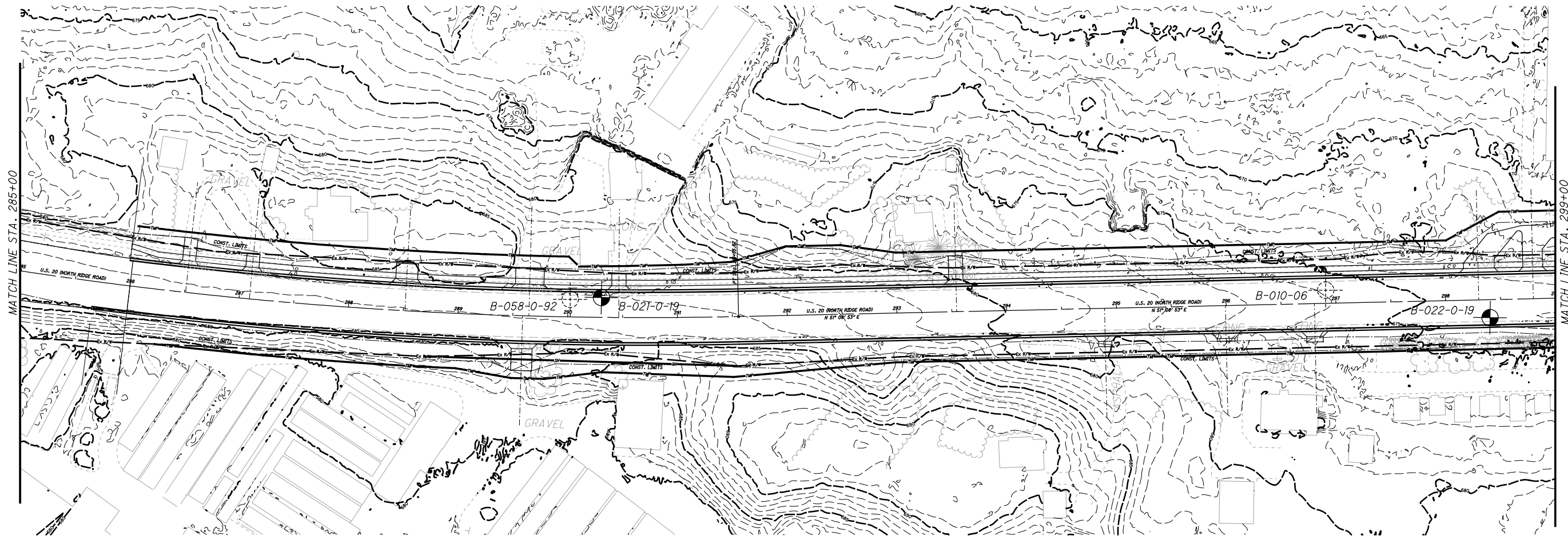
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SOIL PROFILE  
 STA. 271+00 TO STA. 285+00

LAK-20-19.59  
 20/52  
 1221  
 1253

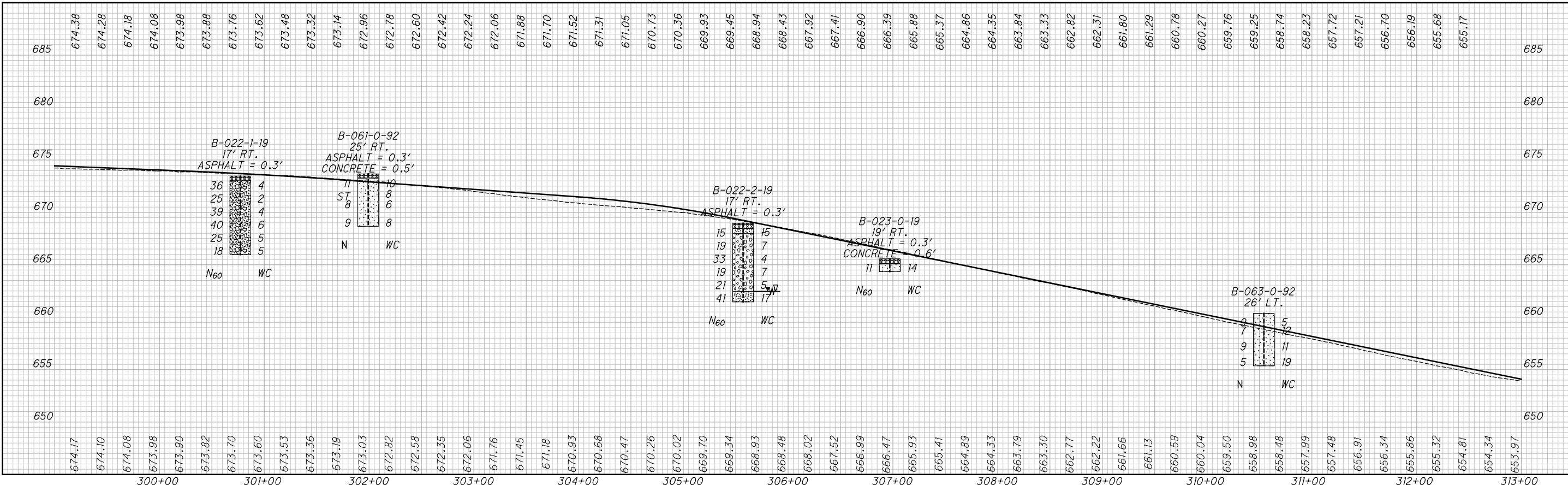
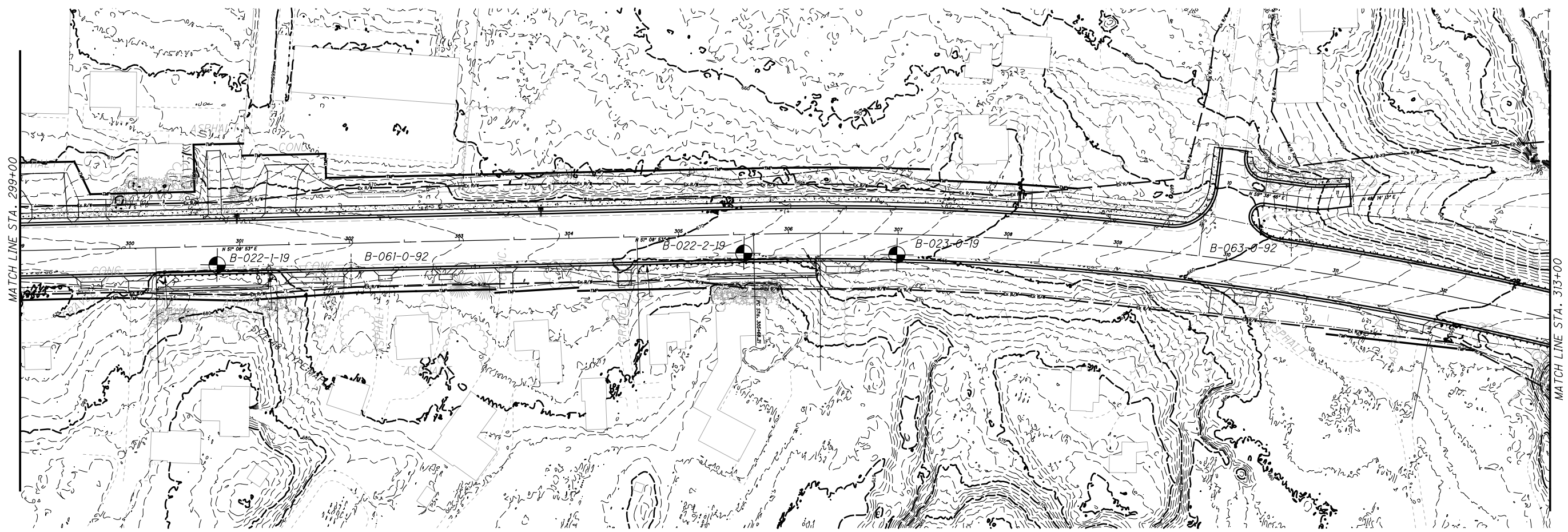




**SOIL PROFILE**  
**STA. 285+00 TO STA. 299+00**

**LAK-20-19.59**

\\Sme-inc\pzw\080953\0\CAD\DWGS\DOT\PHASE 2\Project\_Data\08665\_LAK\_20\_WEST\_Design\Roadway\Sheets\08665\_GP07\_22.dgn Sheet 7/14/2022 7:52:58 AM Jose.r.ios

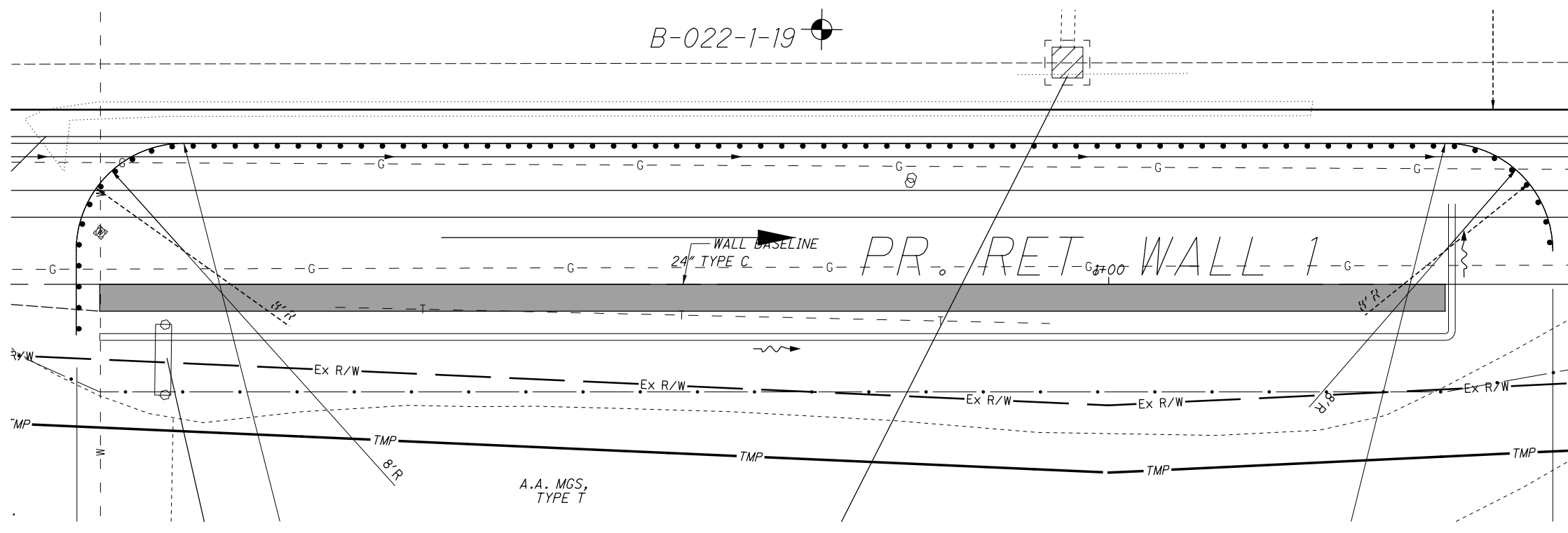


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CHECKED: JF/TPO

**SOIL PROFILE**  
**STA. 299+00 TO STA. 313+00**

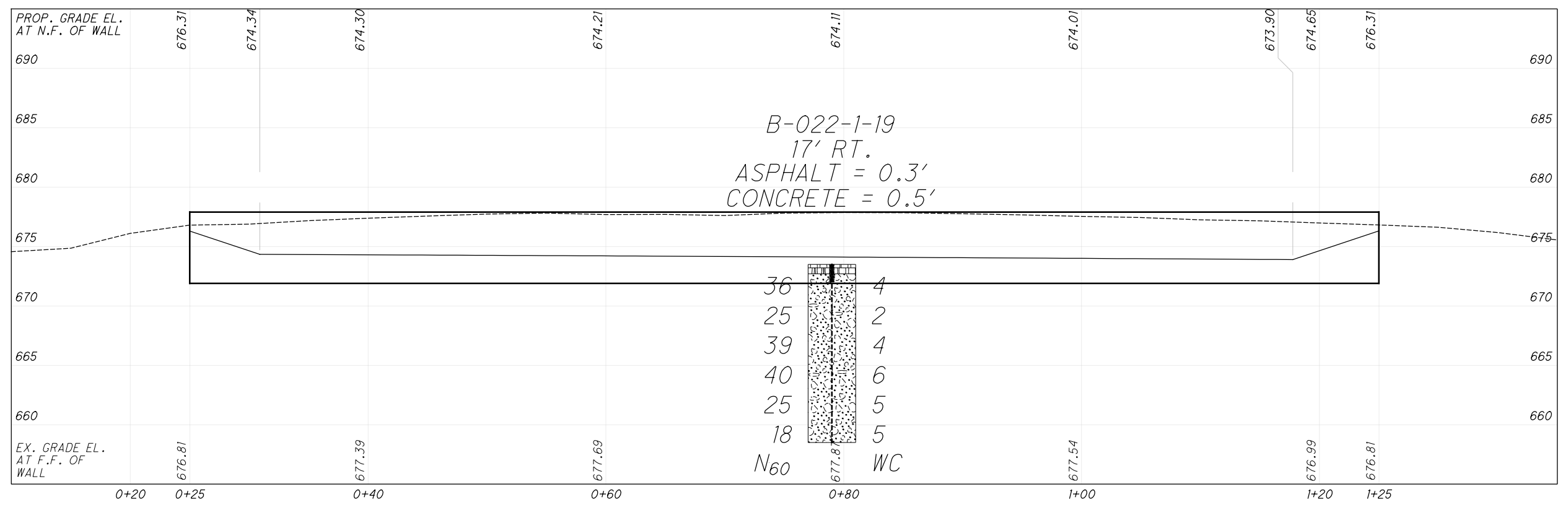
**LAK-20-19.59**

B-022-1-19



HORIZONTAL SCALE IN FEET

DRAWN: JGR  
 CHECKED: JF/TPO  
**STRUCTURE FOUNDATION EXPLORATION  
 RETAINING WALL 1**

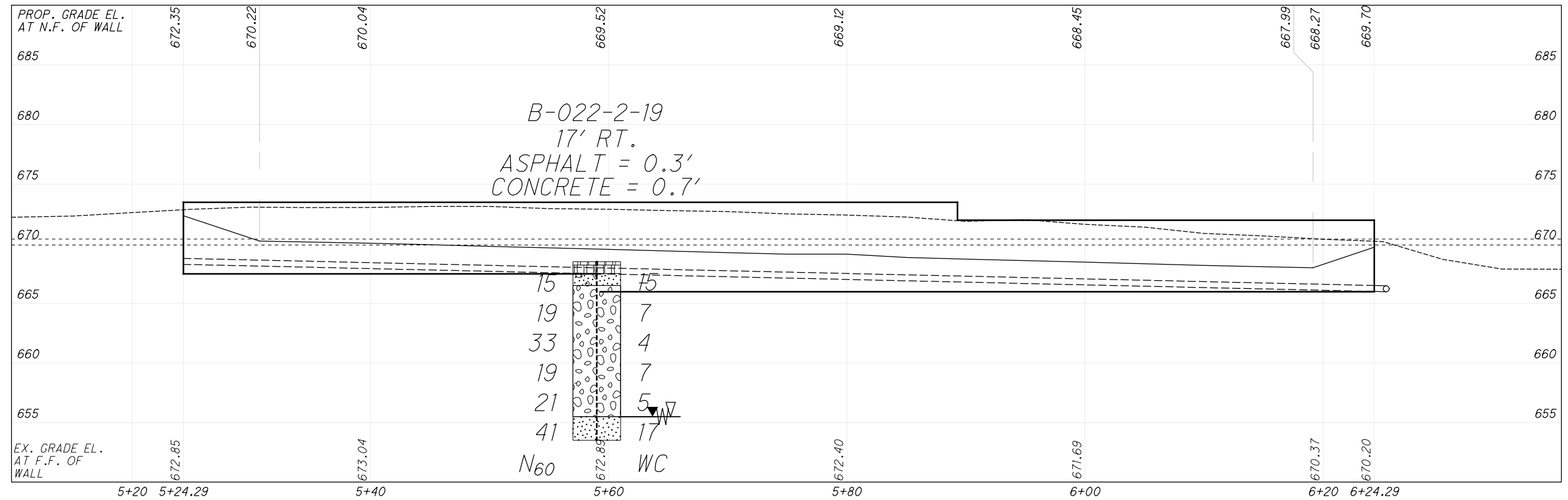
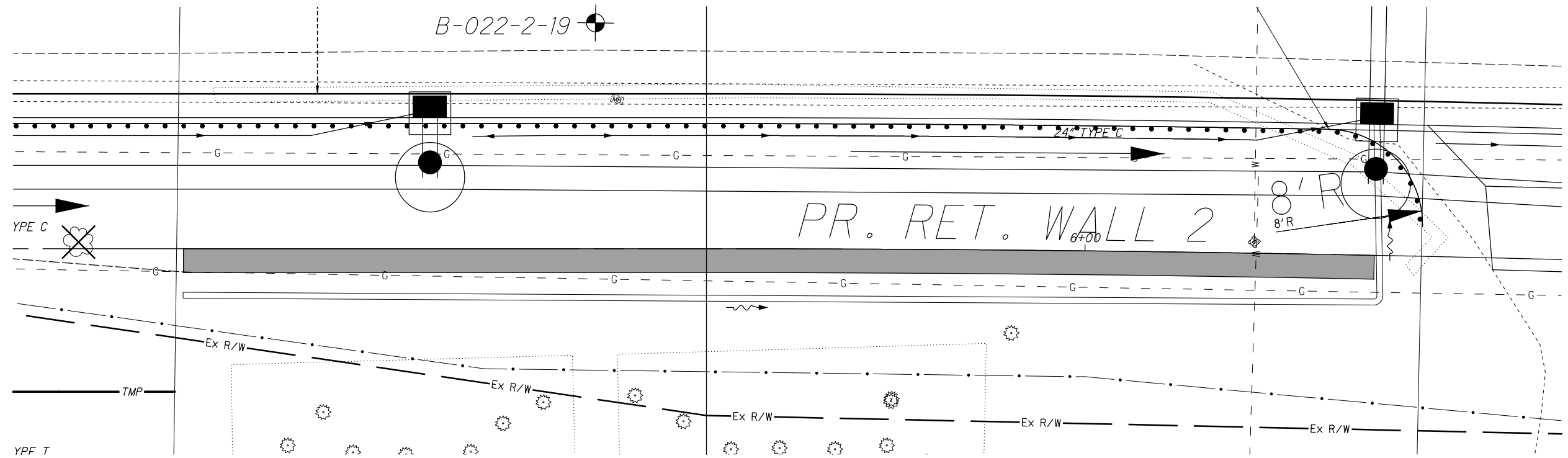


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**LAK-20-19.59**

23/52

1224  
1253



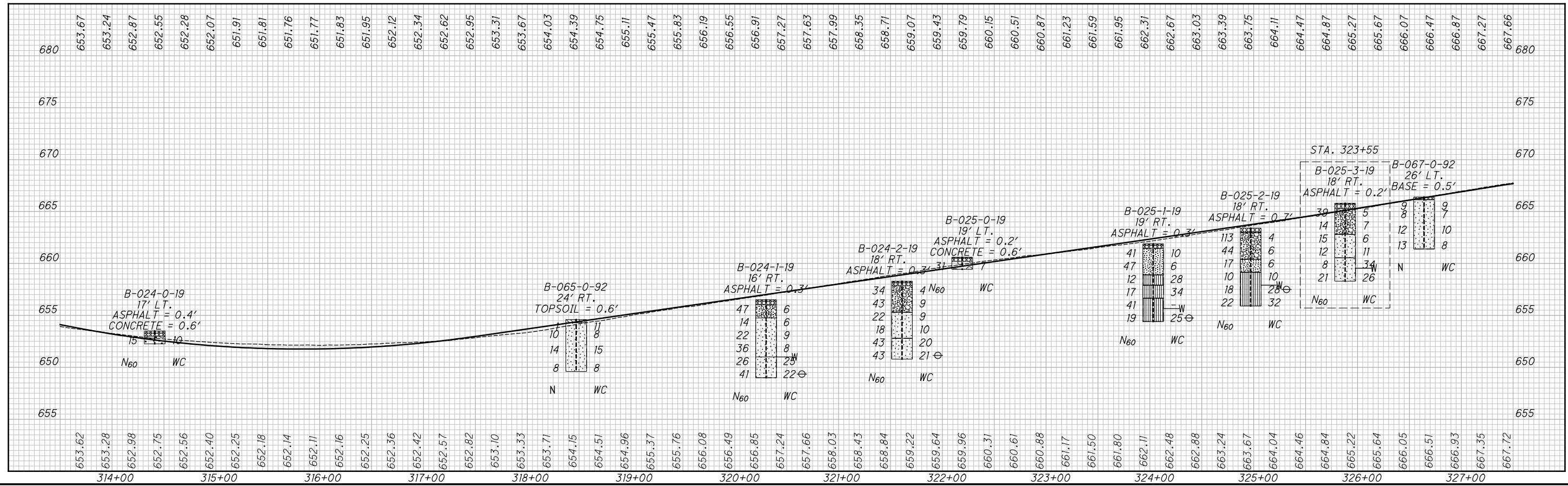
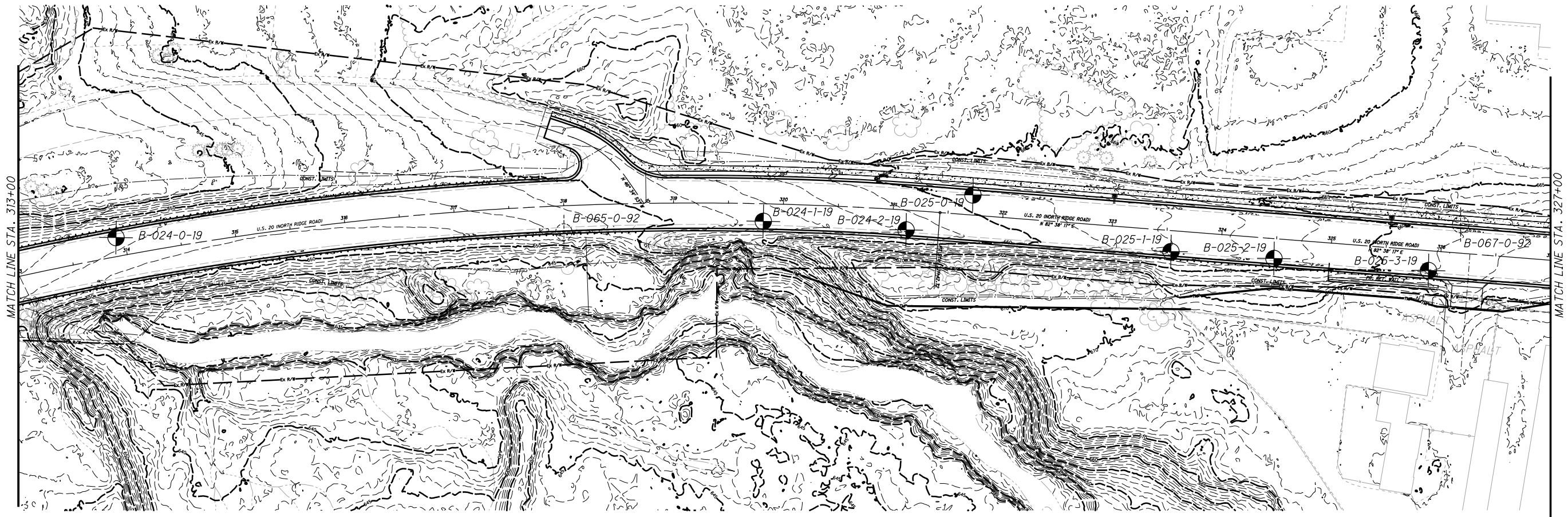
DRAWN: JGR  
 CHECKED: JF/TPO

0 5 10 20  
 HORIZONTAL SCALE IN FEET

STRUCTURE FOUNDATION EXPLORATION  
RETAINING WALL 2

LAK-20-19.59

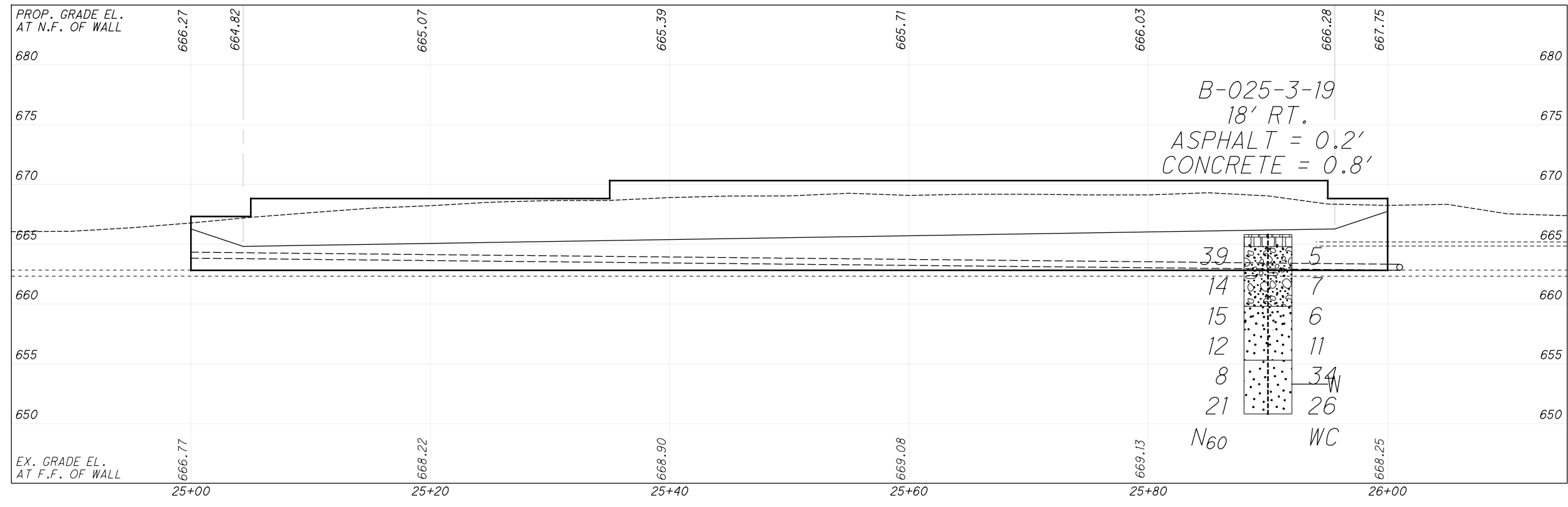
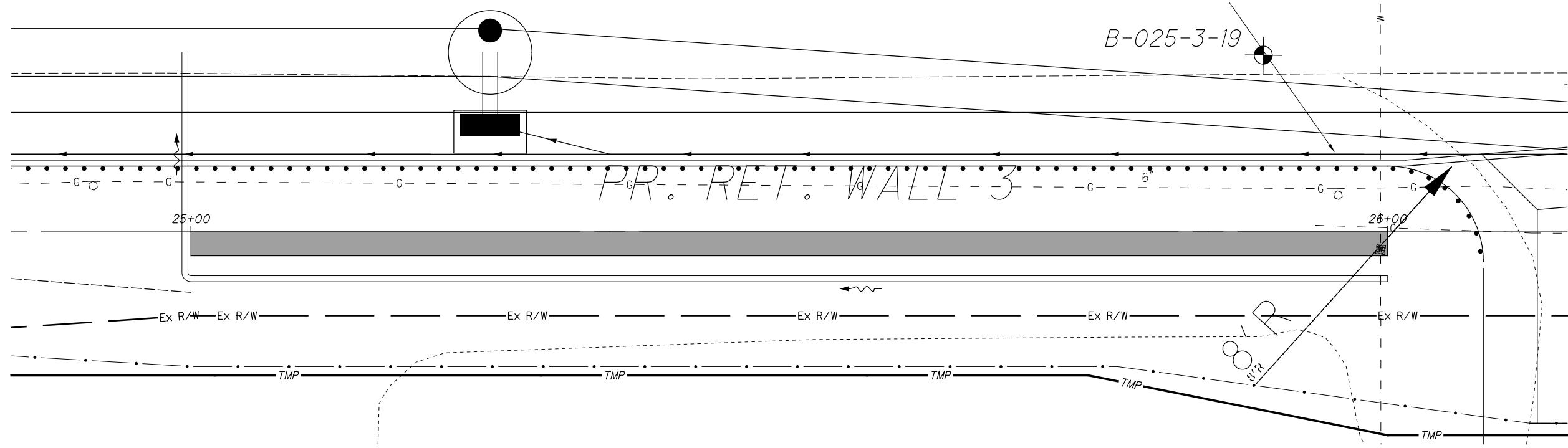
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DRAWN: JGR  
CHECKED: JF/TPO

**SOIL PROFILE**  
**STA. 313+00 TO STA. 327+00**

**LAK-20-19.59**



  
 0 5 10 20  
 HORIZONTAL SCALE IN FEET  
 DRAWN: JGR  
 CHECKED: JF/TPO

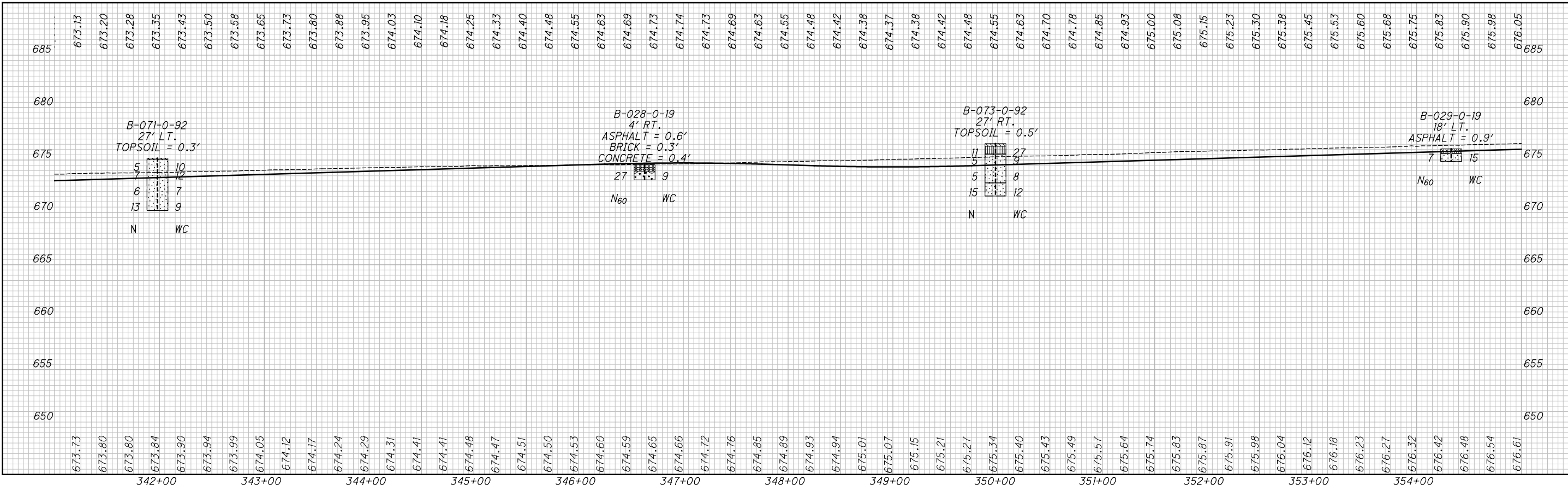
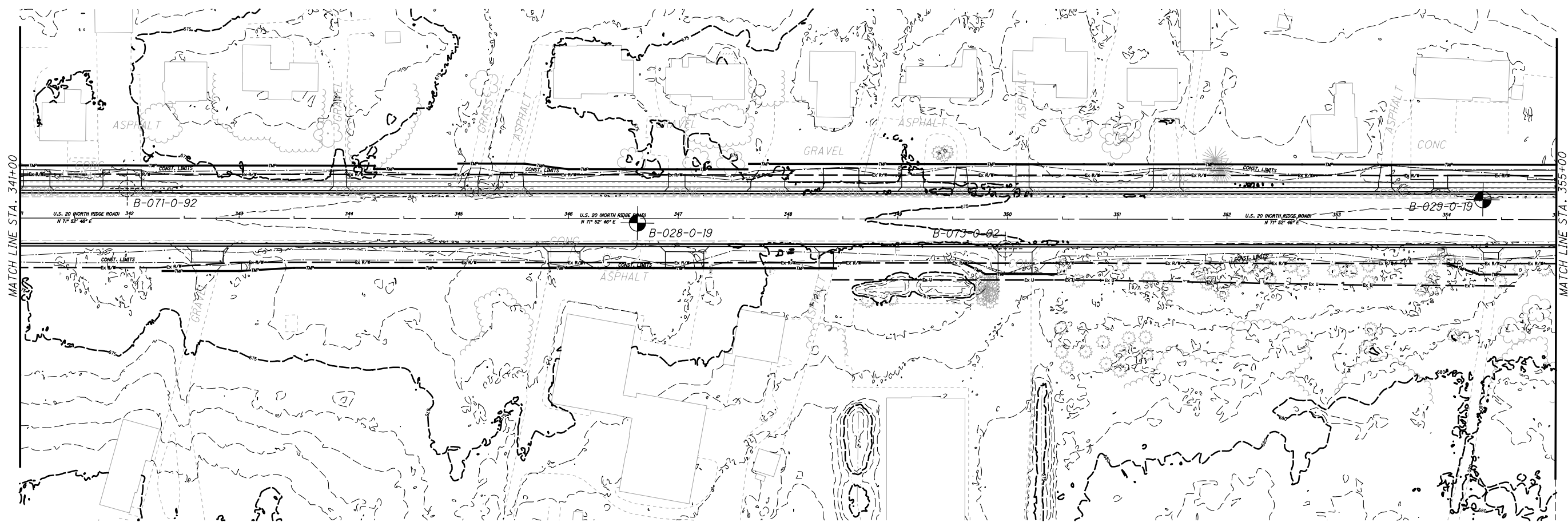
**STRUCTURE FOUNDATION EXPLORATION  
RETAINING WALL 3**

**LAK-20-19.59**





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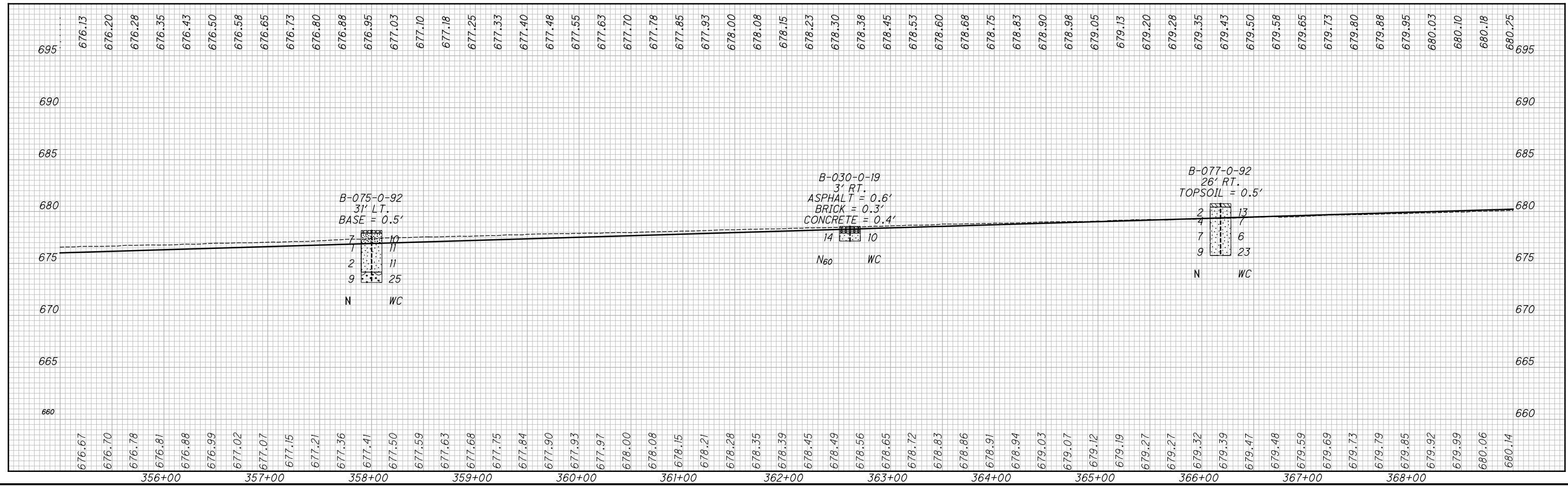
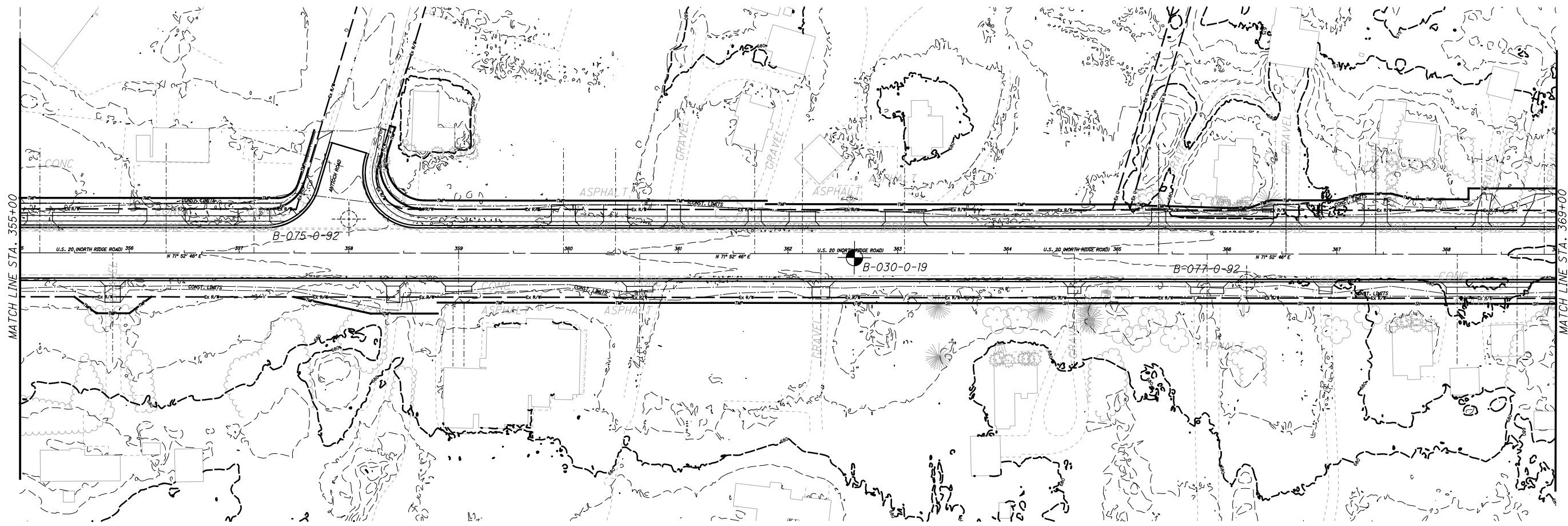


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SOIL PROFILE  
STA. 341+00 TO STA. 355+00

LAK-20-19.59

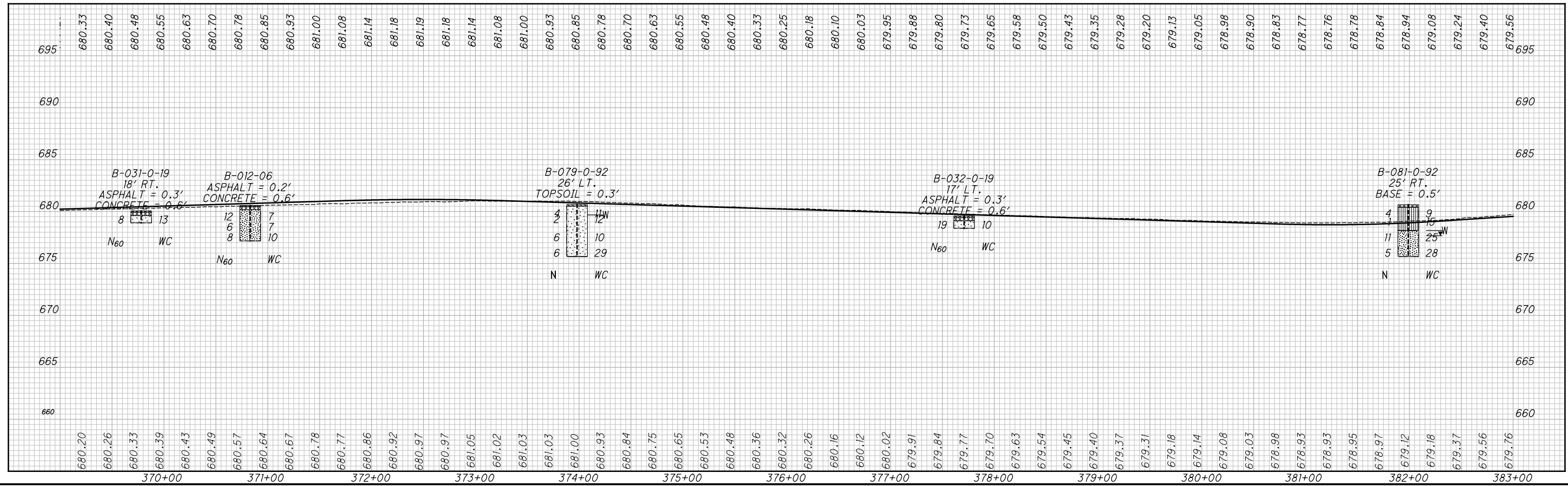
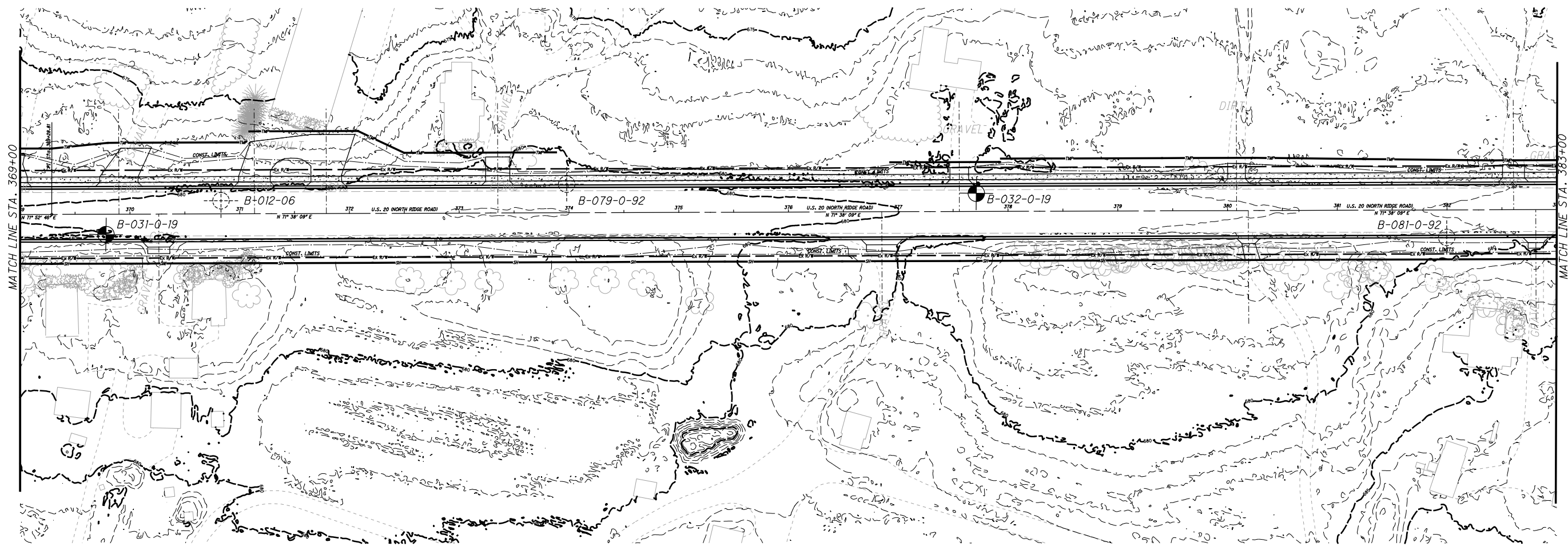




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**SOIL PROFILE**  
**STA. 355+00 TO STA. 369+00**

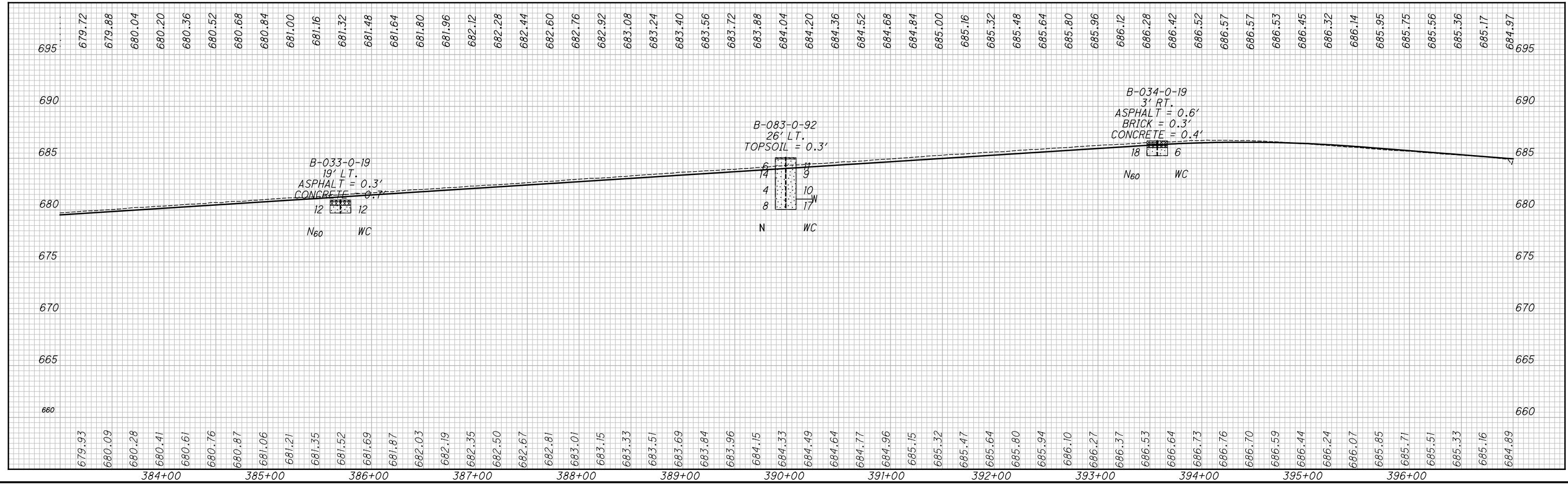
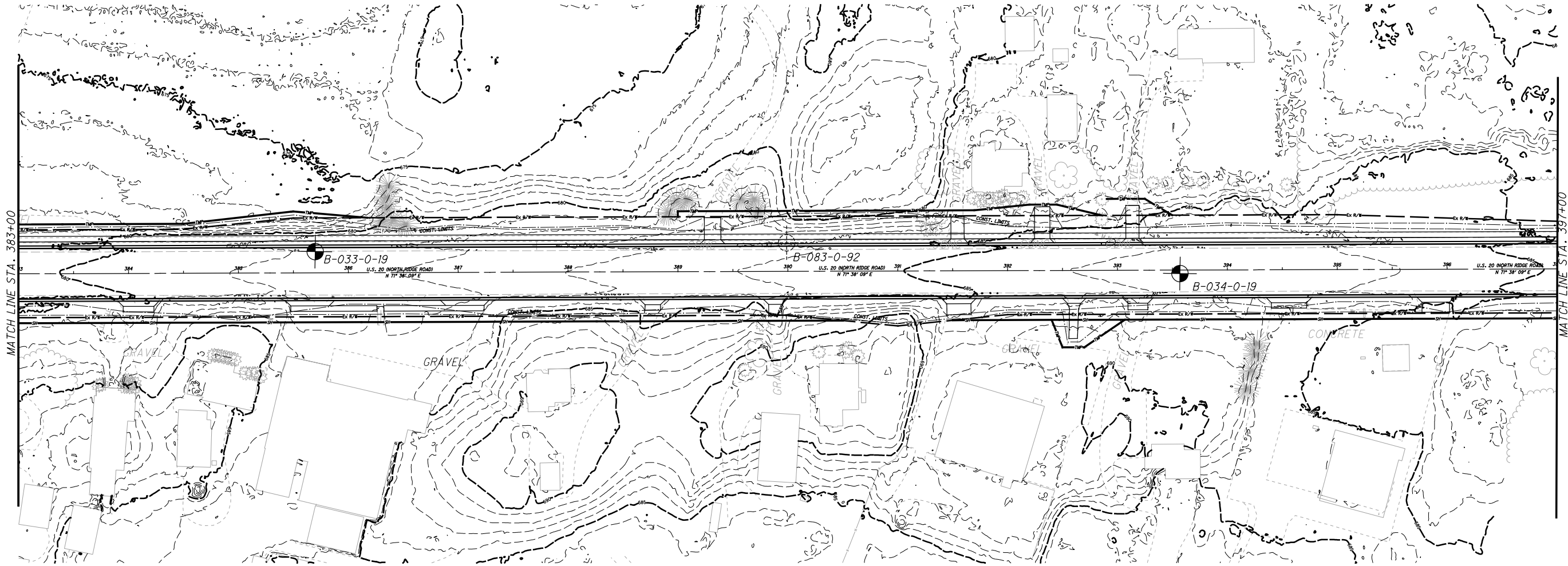
**LAK-20-19.59**

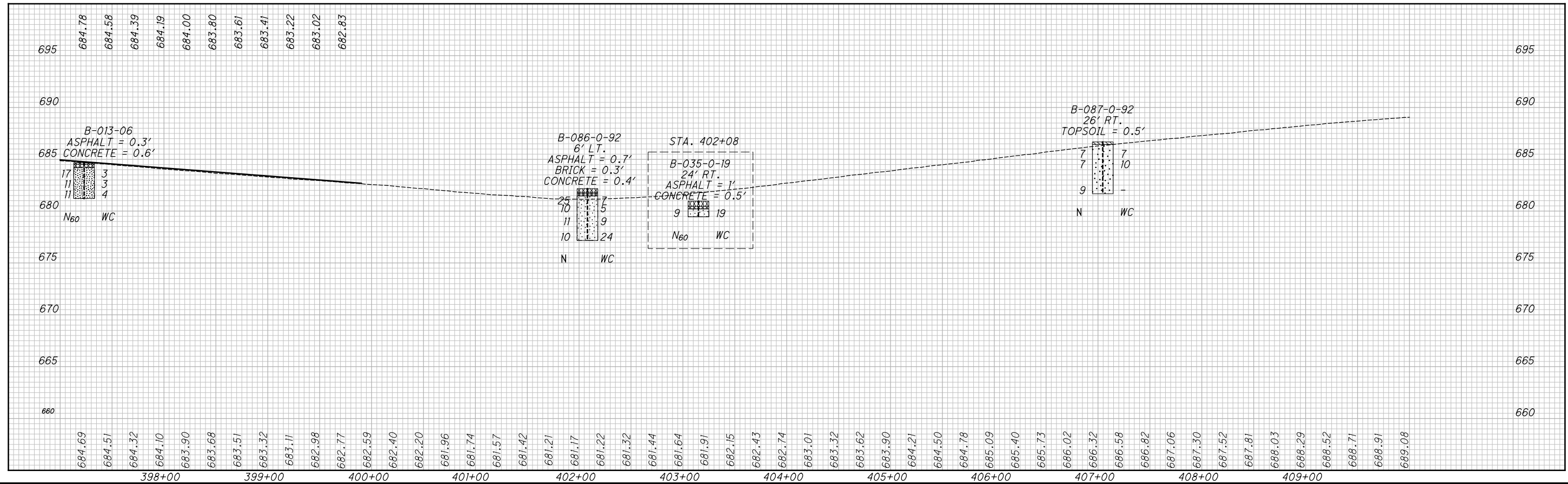
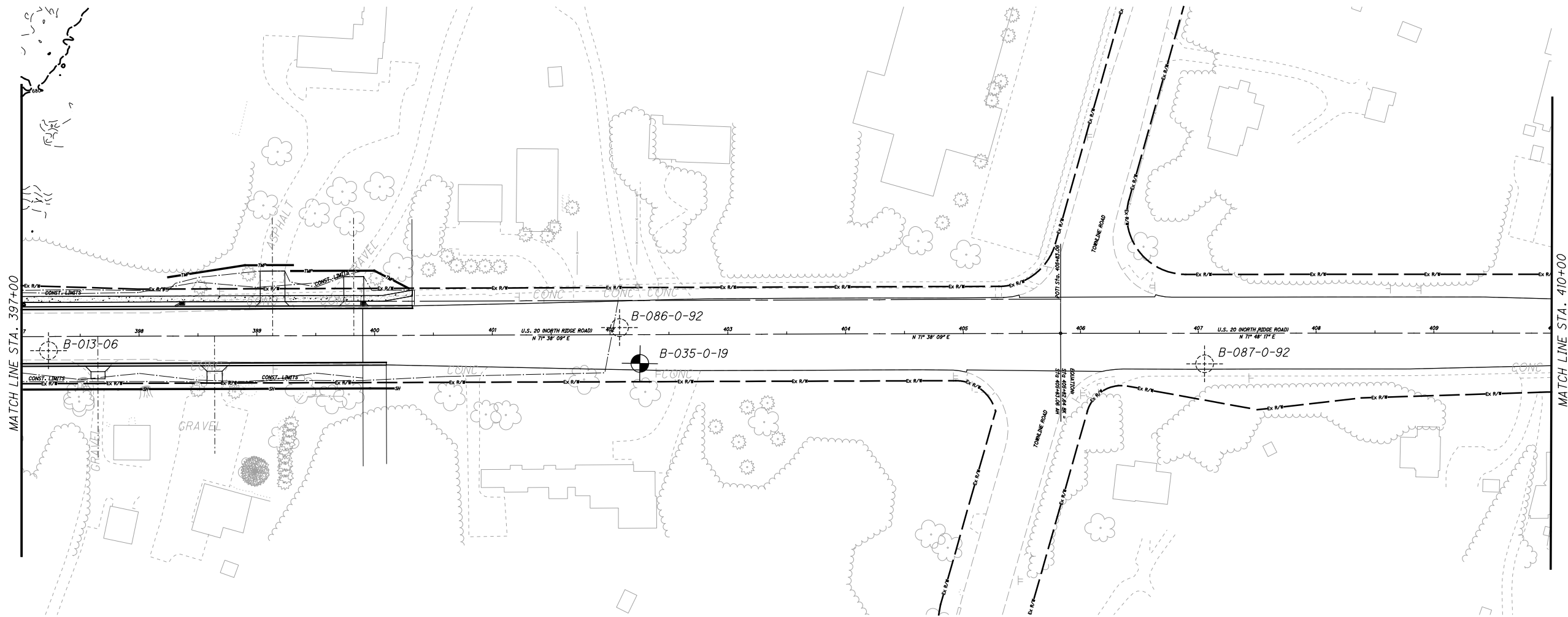


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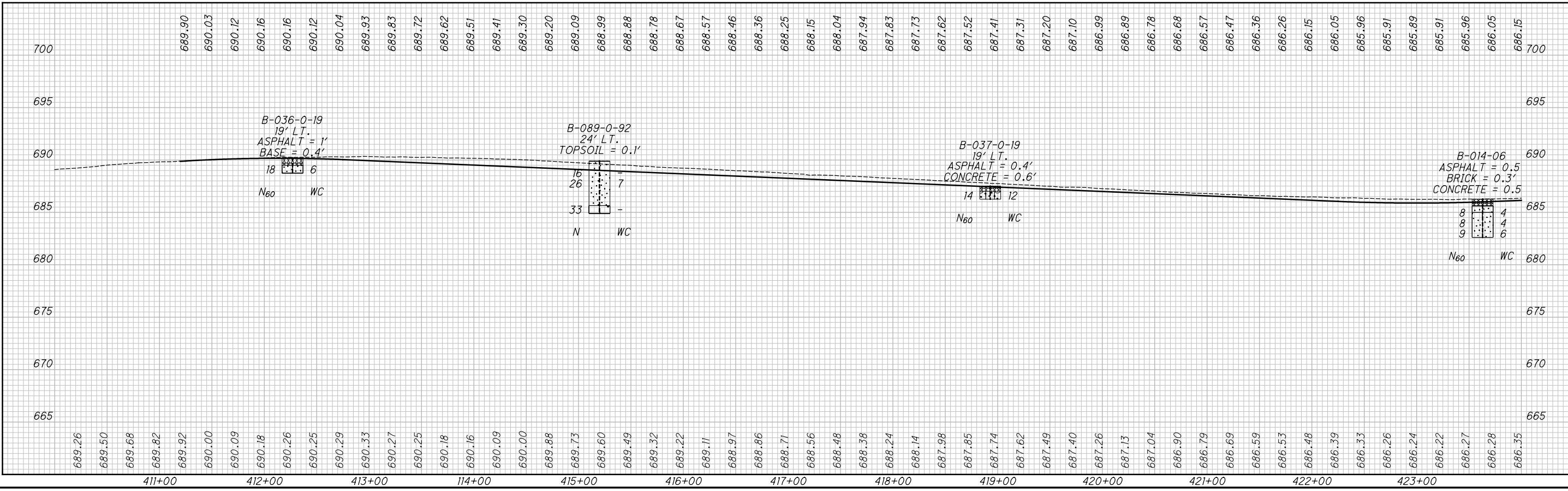
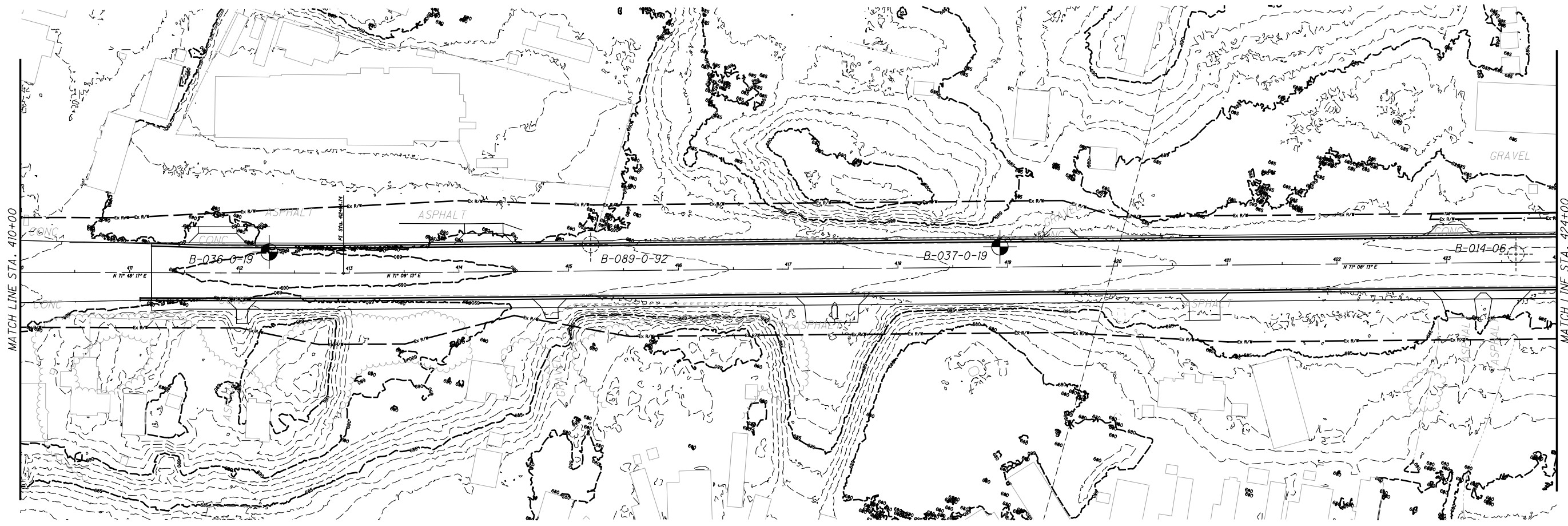
**SOIL PROFILE**  
**STA. 369+00 TO STA. 383+00**

**LAK-20-19.59**





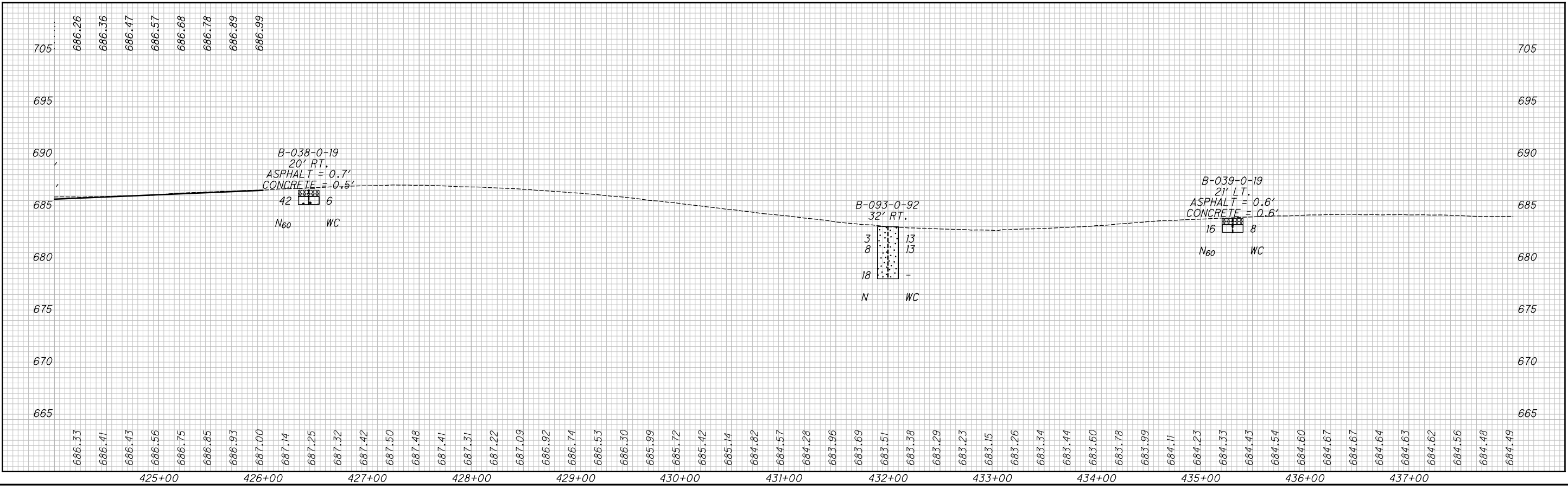
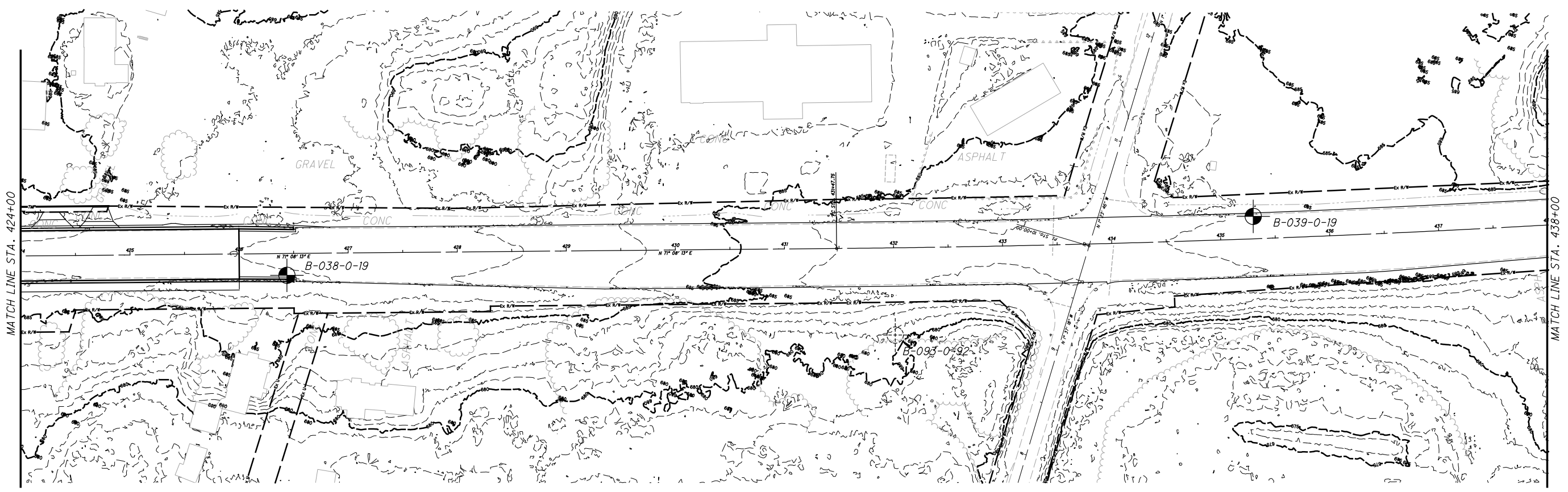
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DRAWN: JGR  
CHECKED: JF/TPO

**SOIL PROFILE**  
**STA. 410+00 TO STA. 424+00**

\\Sme-inc\p\WP\080953.0\CAD\DWGS\ODOT\PHASE 2\Project\_Data\09270\_LAK\_20\_EAST\Design\Roadway\Sheets\09270\_GP002.dgn Sheet 7/14/2022 8:44:25 AM jose.rtos



DRAWN: JGR  
CHECKED: JF/TPO

**SOIL PROFILE**  
**STA. 424+00 TO STA. 438+00**

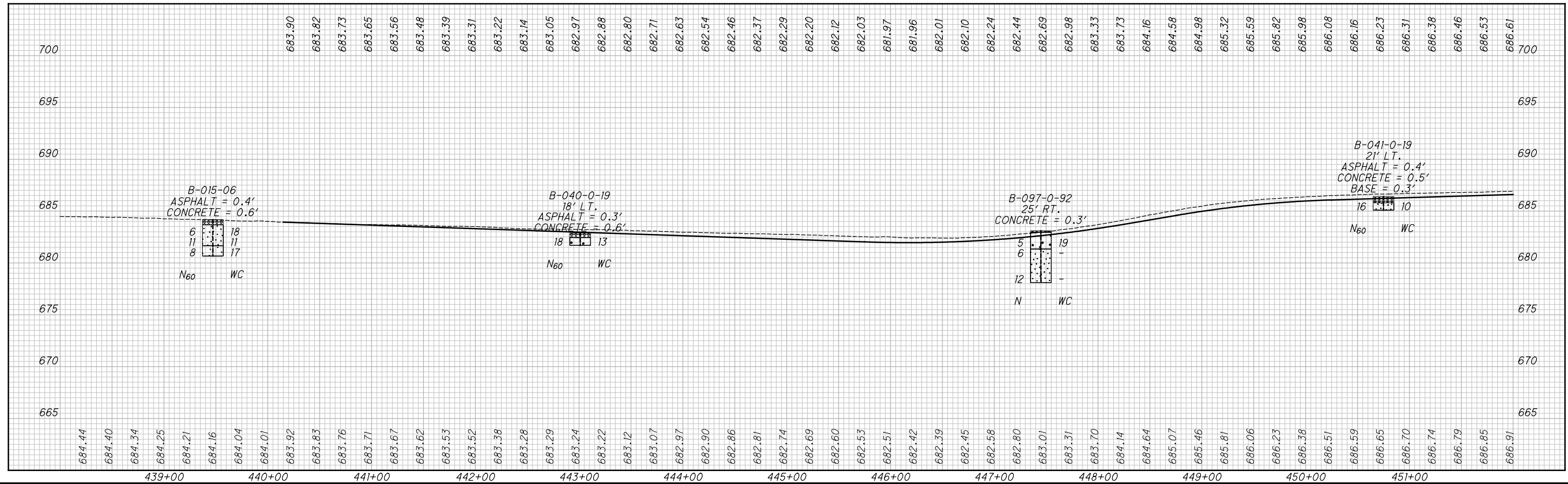
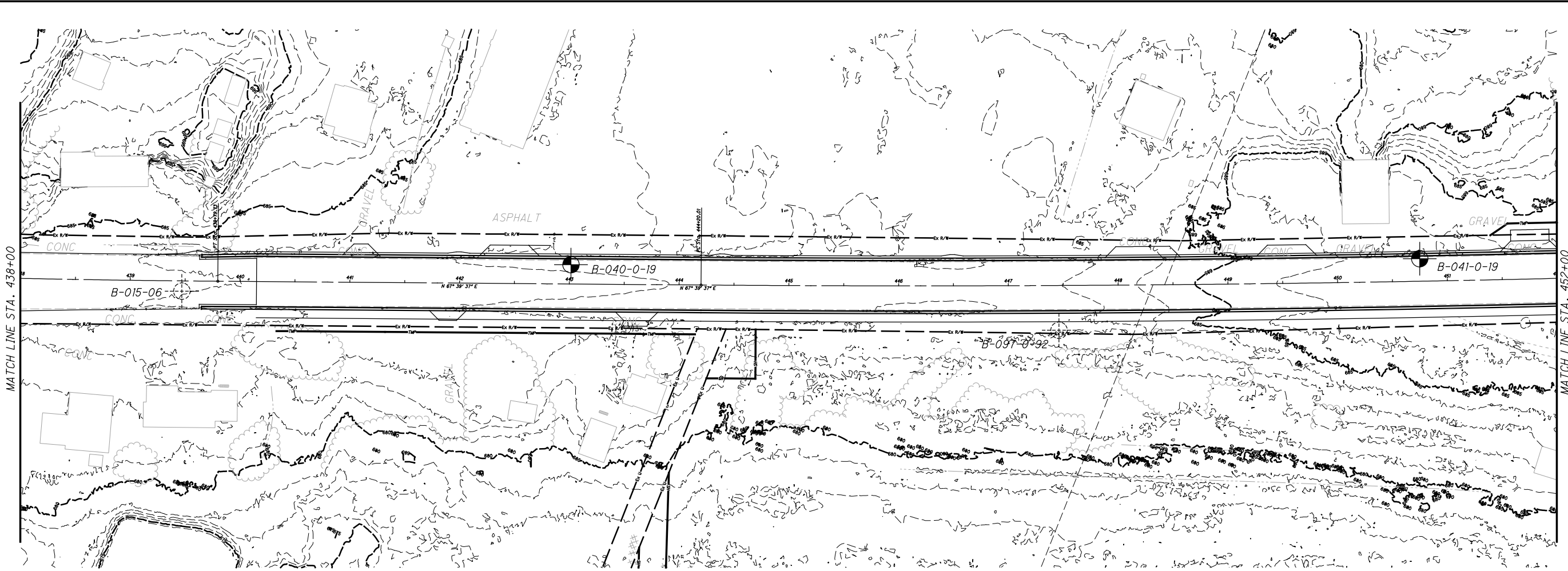
**LAK-20-24.99**

34 / 52

1235  
1253



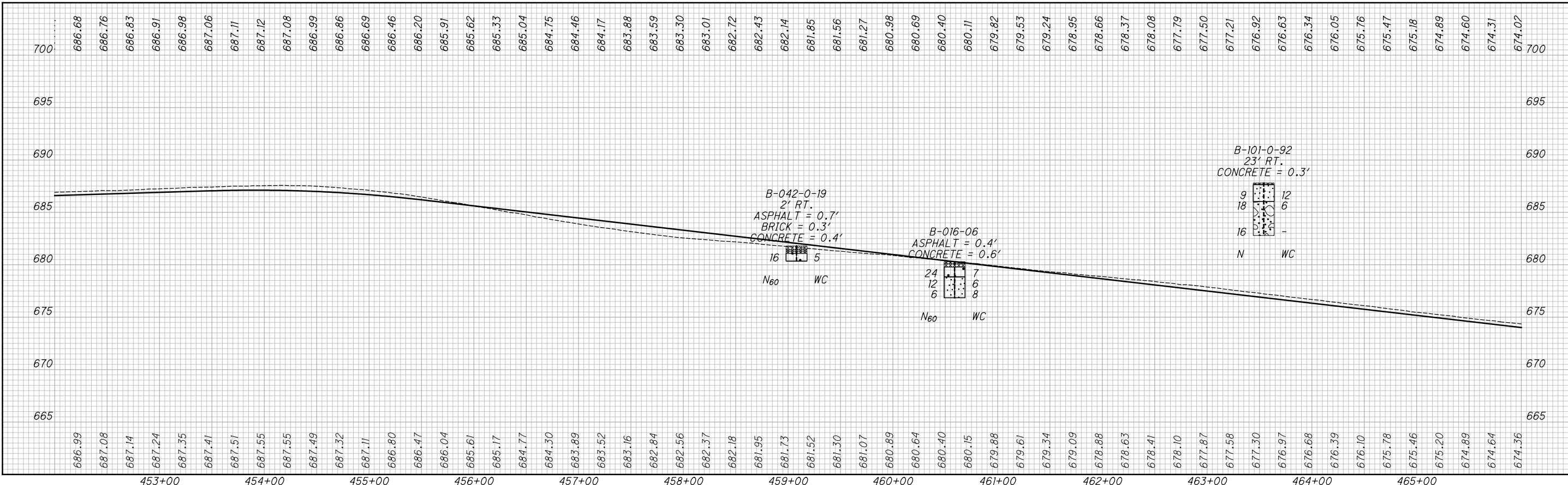
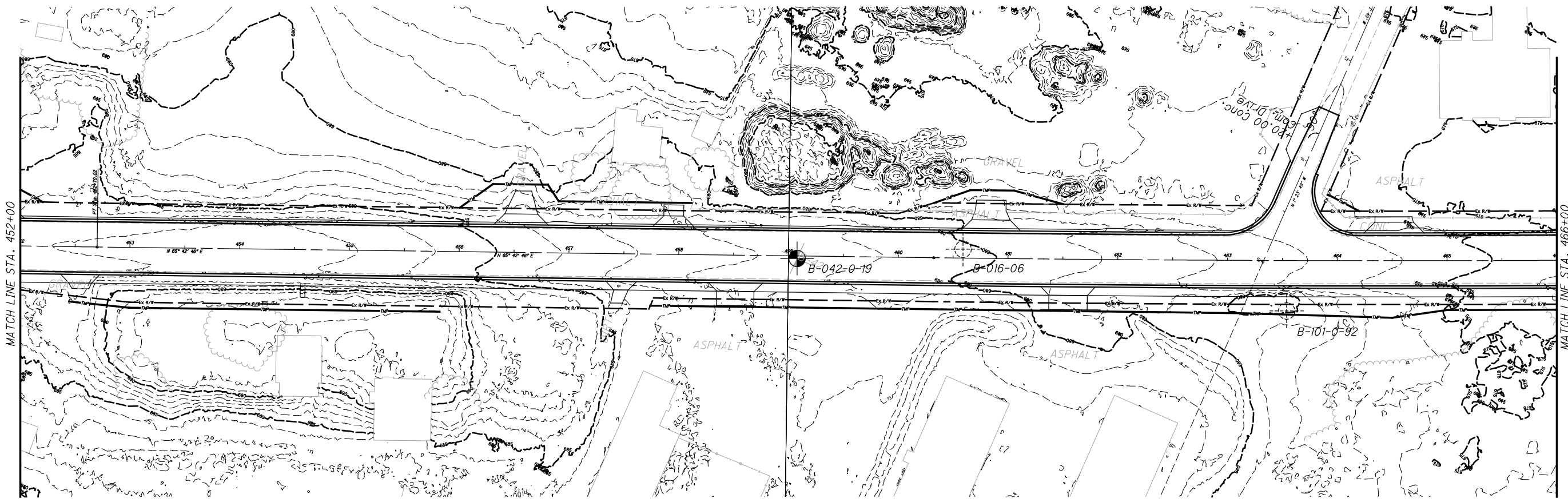
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DRAWN: JGR  
 CHECKED: JF/TPO  
**SOIL PROFILE**  
**STA. 438+00 TO STA. 452+00**

**LAK-20-24.99**  
 35 / 52  
 1236  
 1253

\\Sme-inc\p2\WP\080953.0\CAD\DWGS\ODOT\PHASE 2\Project\_Data\09270\_LAK\_20\_EAST\Design\Roadway\Sheets\09270\_GP004.dgn Sheet 7/14/2022 8:53:47 AM jose.rios



DRAWN: JGR  
CHECKED: JF/TPO

**SOIL PROFILE**  
**STA 452+00 TO STA. 466+00**

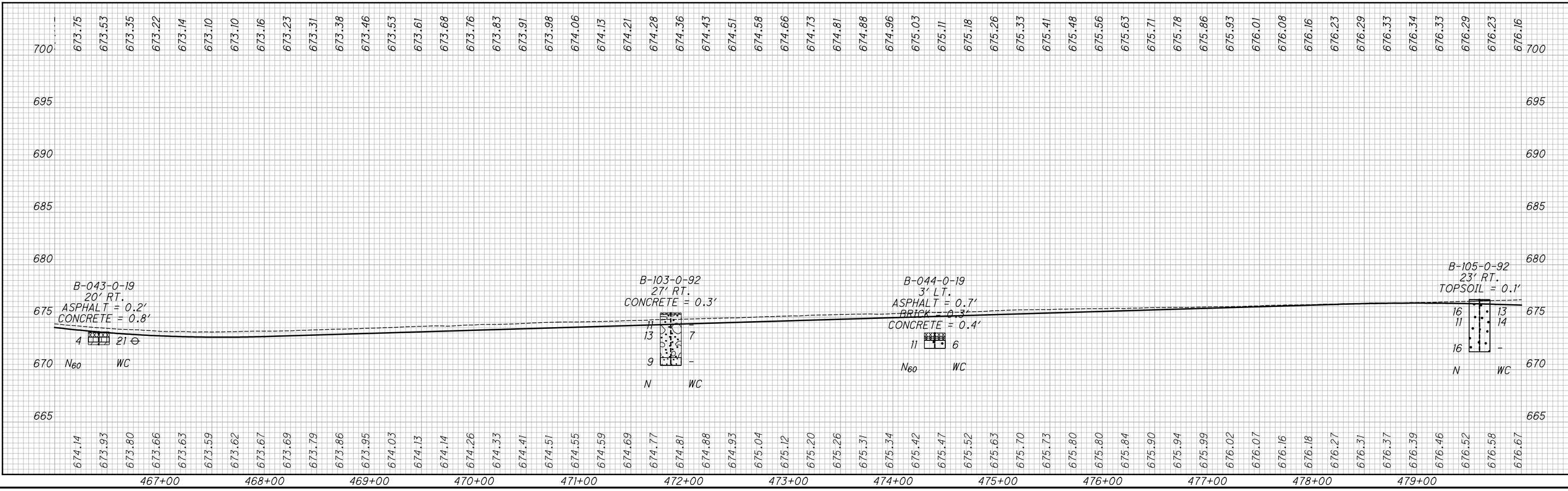
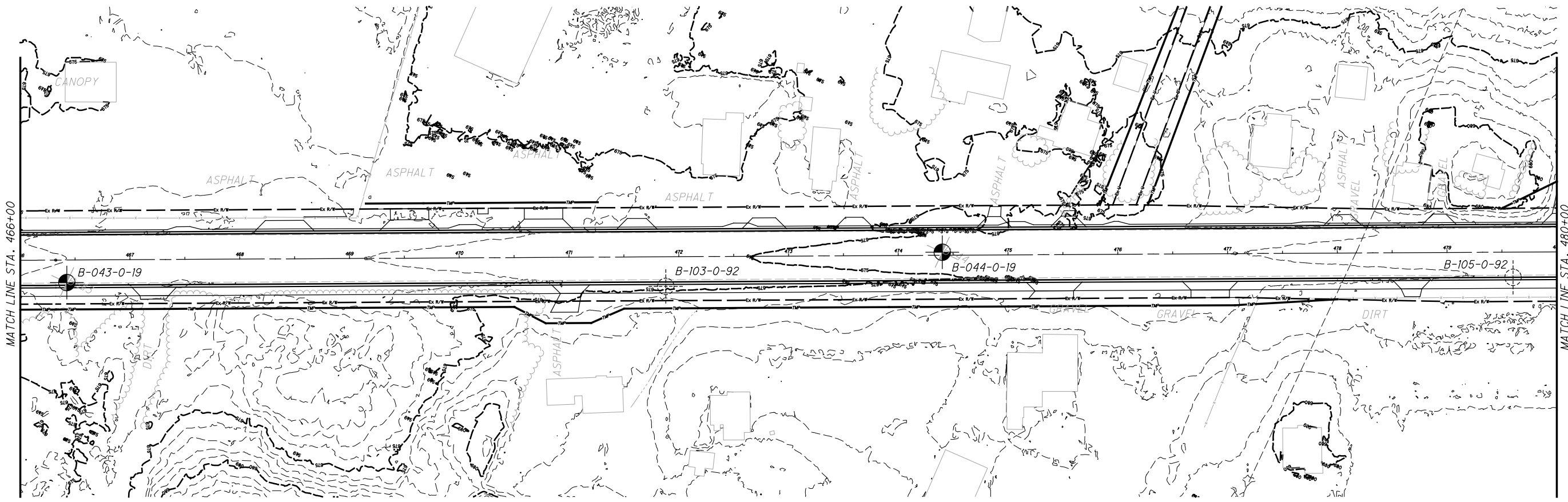
**LAK-20-24.99**

36 / 52

1237  
1253



\\Sme-inc\pzw\WP\080953\0\CAD\DWGS\ODOT\PHASE 2\Project\_Data\09270\_LAK\_20\_EAST\Design\Roadway\_Sheets\09270\_GP005.dgn Sheet 7/14/2022 8:54:23 AM jose.rtos



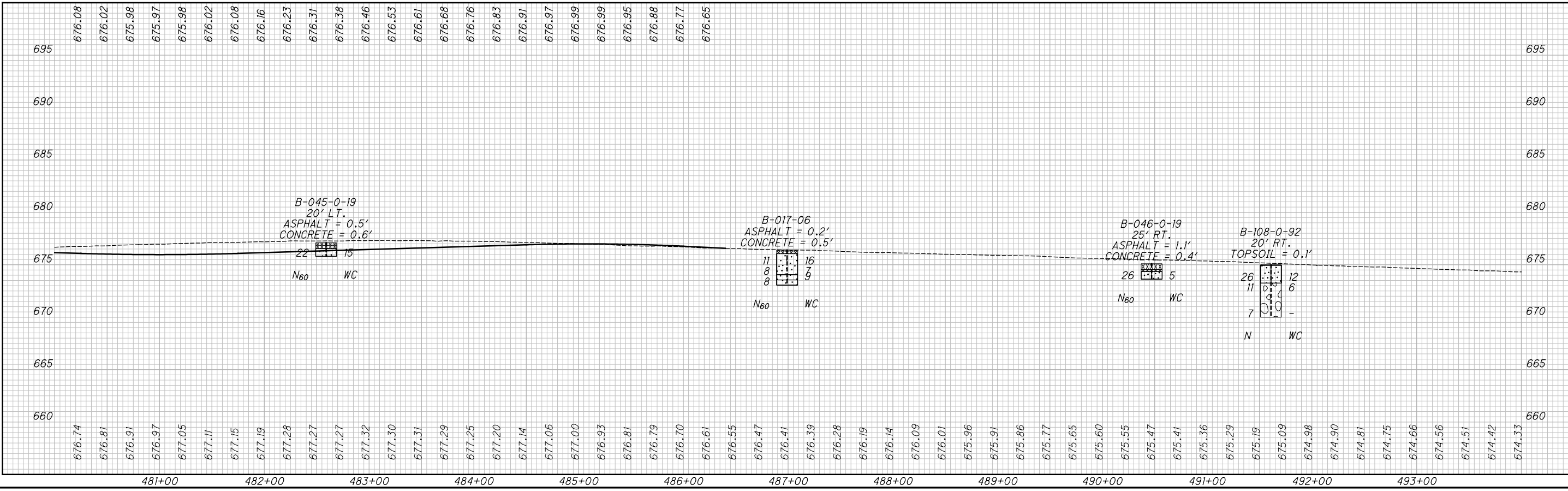
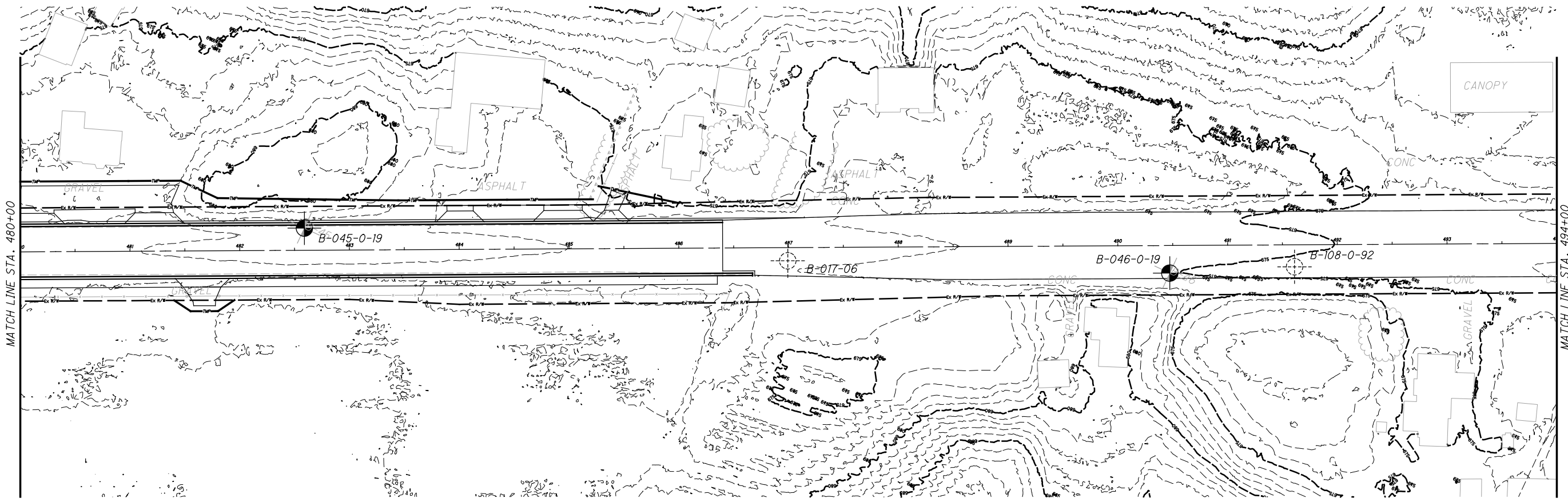
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CHECKED: JF/TPO

**SOIL PROFILE**  
**STA 466+00 TO STA. 480+00**

**LAK-20-24.99**

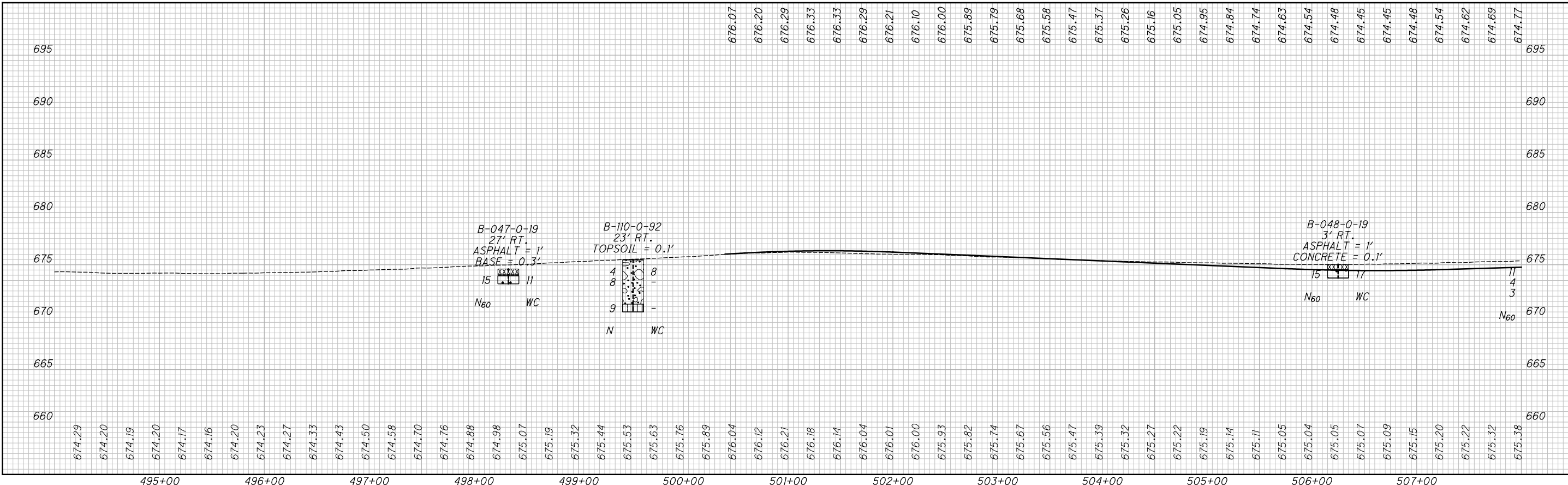
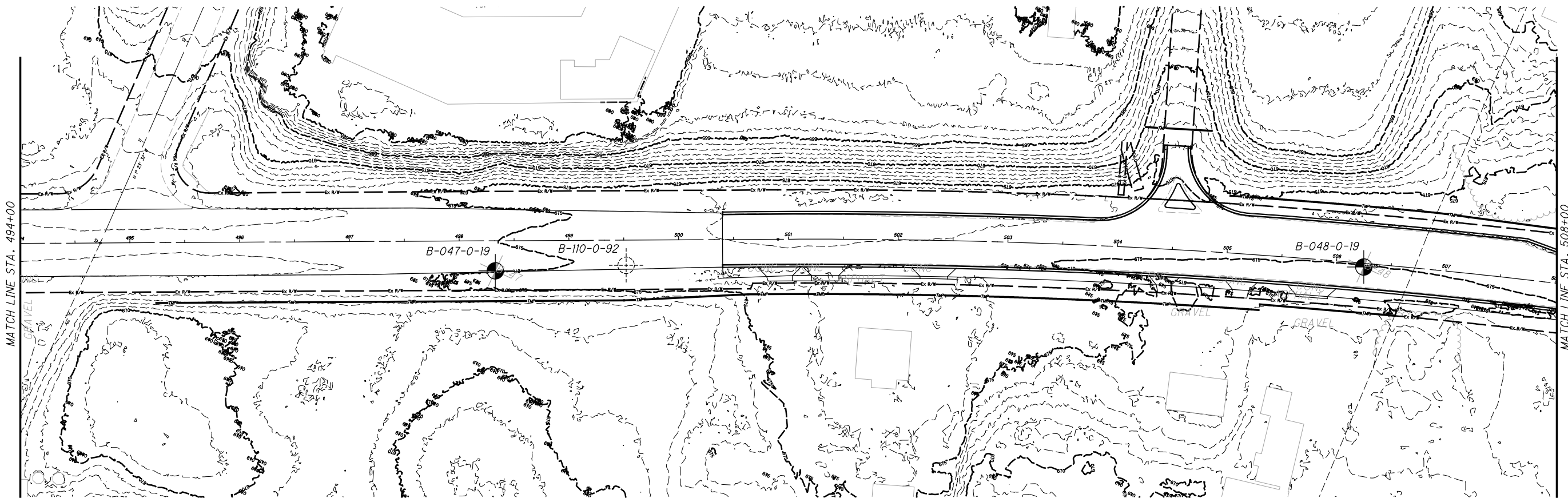
1238  
1253

\\Sme-inc\pzwip\080953\0\CAD\DWGS\DDOT\PHASE 2\Project\_Data\09270\_LAK\_20\_EAST\Design\Roadway\Sheets\09270\_GP006.dgn Sheet 7/14/2022 11:07:08 AM jose.rtos



DRAWN: JGR  
 CHECKED: JF/TPO  
**SOIL PROFILE**  
**STA 480+00 TO STA. 494+00**

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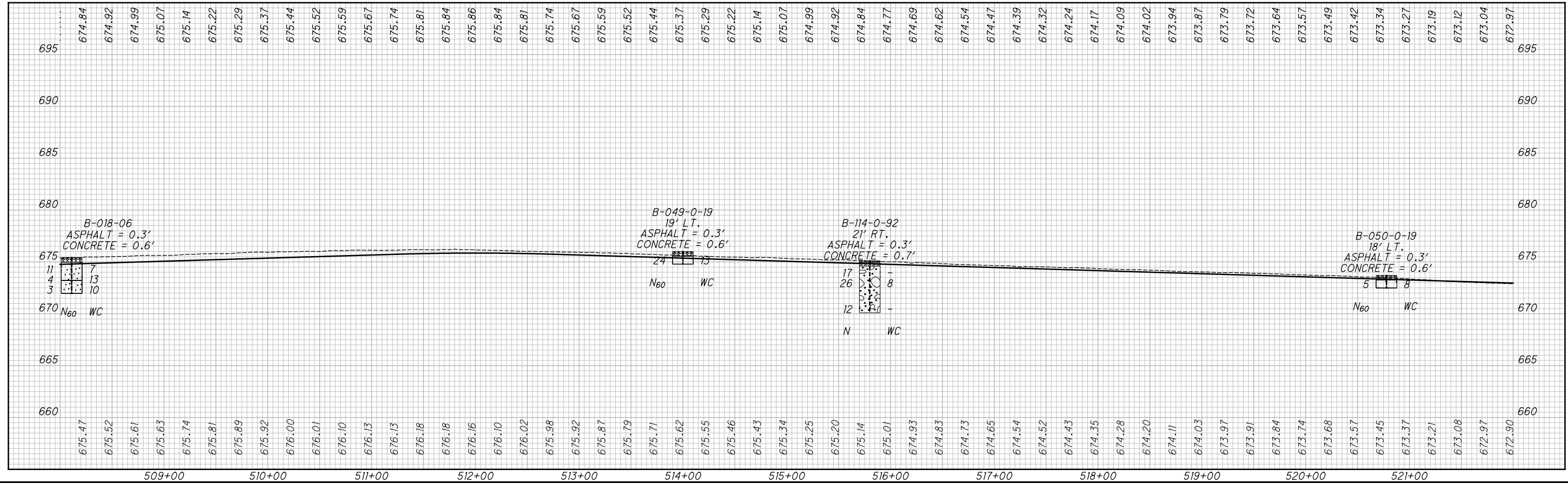


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CHECKED: JF/TPO

**SOIL PROFILE**  
**STA 494+00 TO STA. 508+00**

**LAK-20-24.99**

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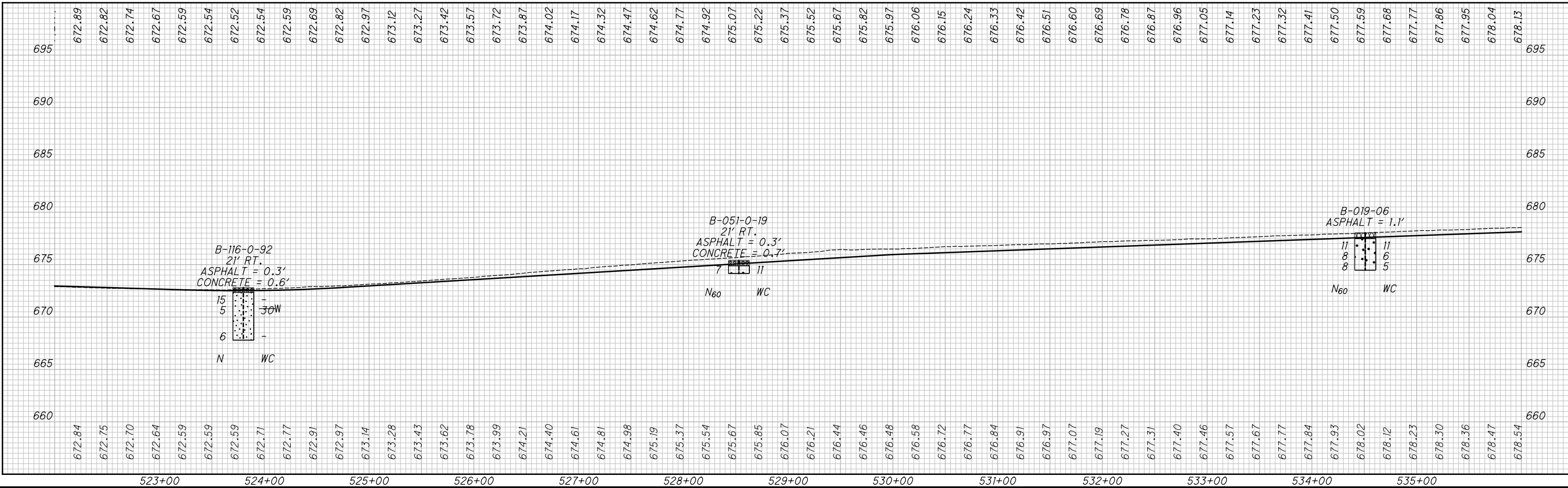
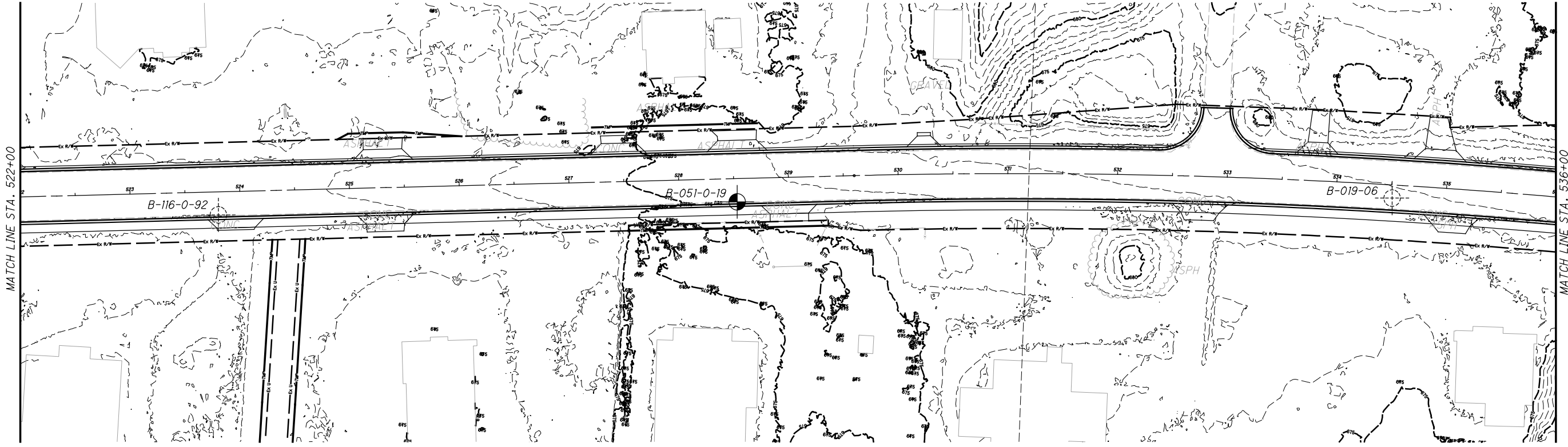


DRAWN: JGR  
CHECKED: JF/TPO

**SOIL PROFILE**  
**STA 508+00 TO STA. 522+00**

**LAK-20-24.99**  
40/52  
1241  
1253

\\Sme-inc\pzw\WP\080953.0\CAD\DWGS\DDOT\PHASE 2\Project\_Data\09270\_LAK\_20\_EAST\Design\Roadway\Sheet\_109270\_GP009.dgn Sheet 7/14/2022 9:03:15 AM jose.rios



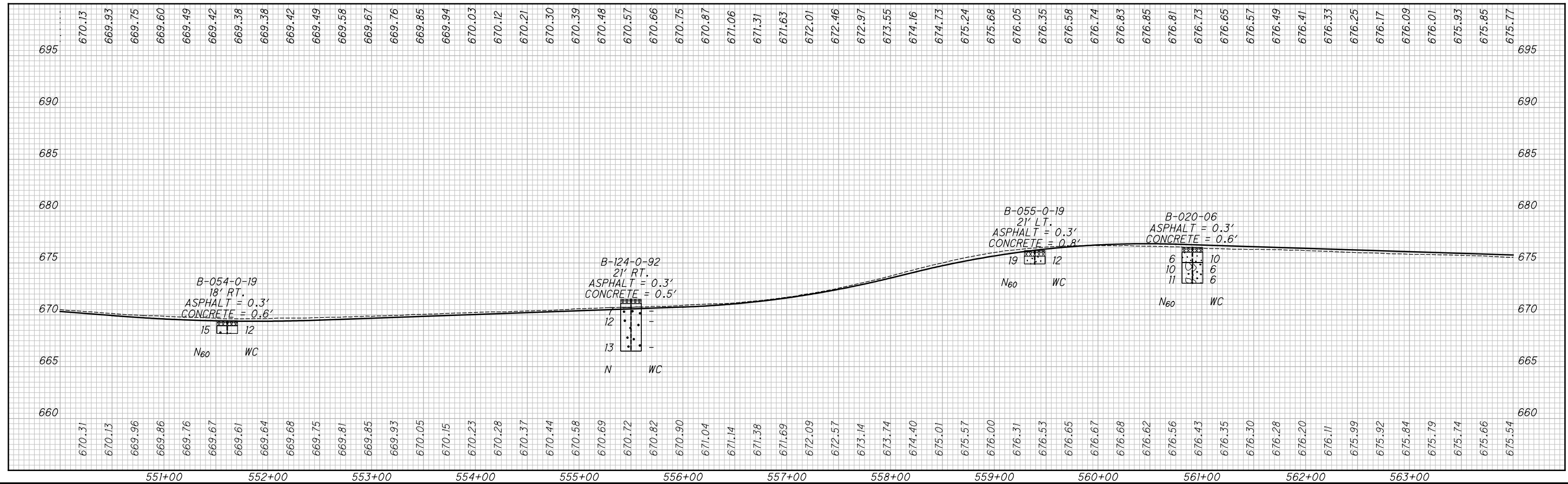
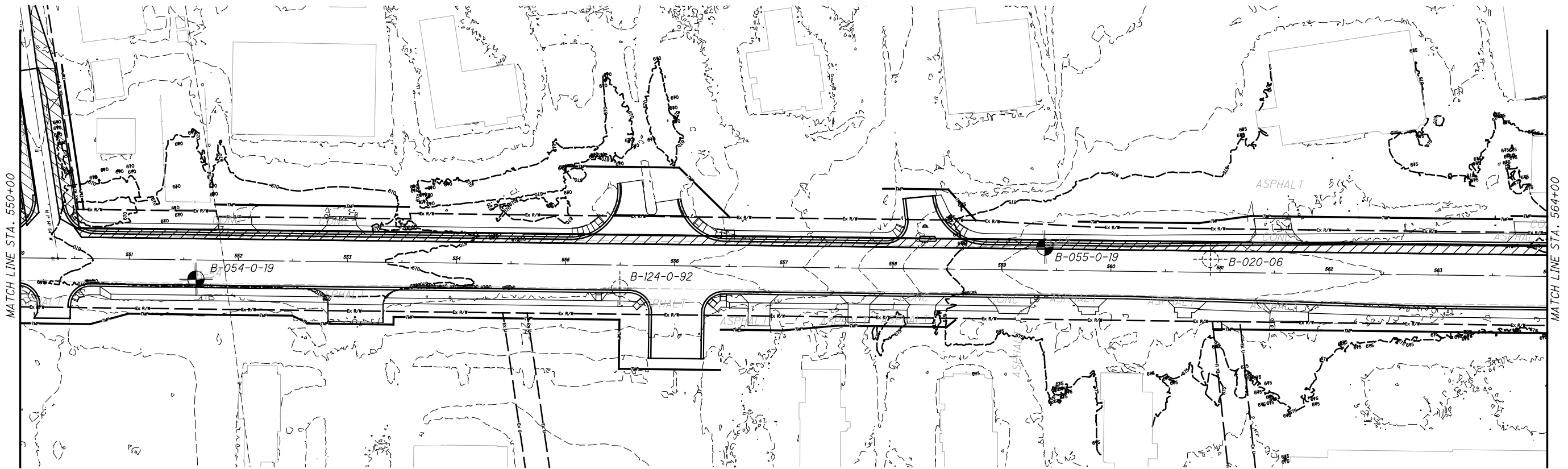
DRAWN: JGR  
CHECKED: JF/TPO

**SOIL PROFILE**  
**STA 522+00 TO STA. 536+00**

**LAK-20-24.99**



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SOIL PROFILE  
STA 550+00 TO STA. 564+00

LAK-20-24.99  
43/52  
1244  
1253



PROJECT: LAK-20-19.59  
 TYPE: CULVERT  
 PID: 108665 SFN:  
 START: 7/13/20 END: 7/13/20  
 DRILLING FIRM / OPERATOR: SME / JH/RM  
 SAMPLING FIRM / LOGGER: SME / JF  
 DRILLING METHOD: 3.75" HSA  
 SAMPLING METHOD: SPT  
 DRILL RIG: 293-CME55-TRK  
 HAMMER: AUTOMATIC HAMMER  
 CALIBRATION DATE: 7/30/20  
 ENERGY RATIO (%): 82.5  
 STATION / OFFSET: 253+42, 16' LT.  
 ALIGNMENT: U.S. 20  
 ELEVATION: 677.1 (MSL) EOB: 40.0 ft.  
 LAT / LONG: 41.777329, -81.155701  
 EXPLOSION ID: B-016-1-19  
 PAGE: 1 OF 1

DEPTH	SPT/RQD	REC SAMPLE ID	HP (tsf)	GRADATION (%)			ATTERBERG			WC	SO4 ppm	ABANDONED
				GR	CS	FS	SI	CL	LL			
1	9											
2	14	34	67									
3	11											
4	6	15	78	18	16	49	12	5	NP	NP	NP	
5	5											
6	2	6	78									
7	2	2										
8	2											
9	2	6	78									
10	2											
11	1	3	100	0	11	73	12	4	NP	NP	NP	
12	1	1										
13												
14	0	1	100									
15	0	1										
16	1	15										
17	4	7	100									
18												
19	2	6	100									
20	2	2										
21	4	3	100									
22	3	8	100									
23												
24	5	6	78	2	3	6	46	43	27	19	8	
25	9											
26	5	7	78									
27	7	8										
28												
29	4	7	100									
30	9											
31	4	7	100									
32	10	23										
33												
34	9	10	100	8	8	14	43	27	24	17	7	
35	14											
36	8	11	100									
37	12	32										
38												
39	9	10	100									
40	14											

ELEV. 677.1  
 676.3  
 674.1  
 670.1  
 666.6  
 660.6  
 658.1  
 655.1  
 637.1

DEPTHS  
 665.1  
 639.1  
 EOB

NOTES: NONE  
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS: BENTONITE CHIPS; SAND

LAK-20-19.59

STRUCTURE FOUNDATION EXPLORATION  
 U.S. 20 CULVERT AND RETAINING WALL REPLACEMENTS  
 BORING LOG B-016-1-19





PROJECT: LAK-20-19.59  
 TYPE: CULVERT  
 PID: 108665 SFN: 7/13/20  
 START: 7/13/20 END: 7/13/20  
 DRILLING FIRM / OPERATOR: SME / JH/RM  
 SAMPLING FIRM / LOGGER: SME / JF  
 DRILLING METHOD: 3.75" HSA  
 SAMPLING METHOD: SPT  
 DRILL RIG: 293-CME55-TRK  
 HAMMER: AUTOMATIC HAMMER  
 CALIBRATION DATE: 7/30/20  
 ENERGY RATIO (%): 82.5  
 STATION / OFFSET: 254+45, 16' RT.  
 ALIGNMENT: U.S. 20  
 ELEVATION: 676.4 (MSL) EOB: 40.0 ft.  
 LAT / LONG: 41.777363, -81.155309  
 EXPLORATION ID: B-016-2-19  
 PAGE: 1 OF 1

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	REC SAMPLE ID	HP (tsf)	GRADATION (%)			ATTERBERG			WC	ODOT CLASS (GI)	SO4 ppm	ABANDONED				
						GR	CS	FS	SI	CL	LL					PL	PI		
4" ASPHALT AND 6" INCHES CONCRETE (DRILLER'S DESCRIPTION) LOOSE TO MEDIUM DENSE, BROWN, COARSE AND FINE SAND, LITTLE SILT, TRACE CLAY, TRACE GRAVEL, DAMP	676.4	1	9																
	675.6	2	6	14	100	SS-1	-	-	-	-	-	-	5	A-3a (V)	-				
		3	4																
		4	2	2	6	100	SS-2	-	18	54	16	5	NP	NP	NP	9	A-3a (0)	-	
		5	2																
		6	2	2	7	100	SS-3A	-	-	-	-	-	-	-	A-3a (V)	-			
		7	3												A-3a (V)	-			
		8																	
		9	3	3	8	89	SS-4	-	-	-	-	-	-	11	A-3a (V)	-			
		10																	
		665.9	11	10	14	56	SS-5	-	-	-	-	-	-	11	A-3 (V)	-			
			12	6	4														
LOOSE TO MEDIUM DENSE, BROWN, COARSE AND FINE SAND, SOME SILT, TRACE CLAY, TRACE GRAVEL, MOIST TO WET		13																	
		14	3	10	56	SS-6	-	0	72	23	5	NP	NP	NP	20	A-3a (0)	-		
		15	4																
		16	2	1	4	67	SS-7	-	-	-	-	-	-	35	A-3 (V)	-			
		17	2																
		18																	
		19	2	1	4	100	SS-8	-	-	-	-	-	-	33	A-3 (V)	-			
		20																	
		655.9	21	4	17	100	SS-9	-	-	-	-	-	-	32	A-3 (V)	-			
			22	5	7														
			23																
	VERY LOOSE, GRAY, FINE SAND, TRACE SILT, TRACE CLAY, TRACE GRAVEL, WET		24	5	11	100	SS-10	-	-	-	-	-	-	13	A-3a (V)	-			
		25	13																
		26	4	5	17	100	SS-11	3.50	-	-	-	-	21	A-6a (V)	-				
		27	7																
		28																	
		29	3	4	15	100	SS-12	3.00	0	2	6	37	55	34	20	14	24	A-6a (10)	-
		30	7																
		645.9	31	2	6	100	SS-13	4.50	6	9	13	45	27	24	17	7	15	A-4a (7)	-
			32	9															
			33																
HARD, GRAY, SANDY SILT, SOME CLAY, TRACE GRAVEL, DAMP			34	4	7	100	SS-14	4.25	-	-	-	-	-	15	A-4a (V)	-			
			35	9															
		36	7	8	30	56	SS-15	4.50	-	-	-	-	15	A-4a (V)	-				
		37	14																
		38																	
		636.4	39	9	21	100	SS-16	4.50	-	-	-	-	-	15	A-4a (V)	-			
			40	6															

NOTES: NONE  
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS: BENTONITE CHIPS; SAND

STANDARD ODOT LOG W/ SULFATES (11 X 17) - OH DOT.GDT - 1/31/22 13:00 - \\SME-INC\PI\PZ\WIP\1080953.01\PROJECT DATA\GINT\1080953.01\LAK-20-1959 RETAINING WALL.GPJ

PROJECT: LAK-20-19.59  
 TYPE: RETAINING WALL  
 PID: 108665 SFN:  
 START: 7/13/20 END: 7/13/20  
 DRILLING FIRM / OPERATOR: SME / JH/RM  
 SAMPLING FIRM / LOGGER: SME / JF  
 DRILLING METHOD: 3.75" HSA  
 SAMPLING METHOD: SPT

DRILL RIG: 293-CME55-TRK  
 HAMMER: AUTOMATIC HAMMER  
 CALIBRATION DATE: 7/30/20  
 ENERGY RATIO (%): 82.5

STATION / OFFSET: 300+79, 17' RT.  
 ALIGNMENT: U.S. 20  
 ELEVATION: 673.5 (MSL) EOB: 15.0 ft.  
 LAT / LONG: 41.783225, -81.140335

EXPLORATION ID: B-022-1-19  
 PAGE: 1 OF 1

**MATERIAL DESCRIPTION AND NOTES**

DEPTH	ELEV.	SPT/ RQD	N <sub>60</sub>	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)							ODOT CLASS (SI)	ABANDONED	
							GR	CS	FS	SI	CL	LL	PL			PI
1	673.5	12	36	56	SS-1	-	42	39	8	9	2	NP	NP	NP	4	A-1-b (0)
2	672.7	14														
3																
4		8	25	56	SS-2	-	-	-	-	-	-	-	-	-	2	A-1-b (V)
5		9														
6		9	39	33	SS-3	-	-	-	-	-	-	-	-	-	4	A-1-b (V)
7		16														
8																
9		10	40	56	SS-4	-	24	51	14	9	2	NP	NP	NP	6	A-1-b (0)
10		10														
11		10	25	0	SS-5	-	-	-	-	-	-	-	-	-	5	A-1-b (V)
12		9														
13																
14	658.5	6	5	18	SS-6	-	-	-	-	-	-	-	-	-	5	A-1-b (V)
15	EOB	8														

4" ASPHALT AND 6" CONCRETE (DRILLER'S DESCRIPTION)  
 MEDIUM DENSE TO DENSE, BROWN, GRAVEL AND STONE FRAGMENTS WITH SAND, TRACE SILT, TRACE CLAY, DAMP

NOTES: NONE  
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: AUGER CUTTINGS





PROJECT: LAK-20-19.59 TYPE: RETAINING WALL	DRILLING FIRM / OPERATOR: SME / JH/RM SAMPLING FIRM / LOGGER: SME / APF	DRILL RIG: 293-CME55-TRK HAMMER: AUTOMATIC HAMMER	STATION / OFFSET: 319+82.16' RT. ALIGNMENT: U.S. 20	EXPLORATION ID B-024-1-19
PID: 108665 SFN: START: 4/26/21 END: 4/26/21	DRILLING METHOD: 4" SSA SAMPLING METHOD: SPT	CALIBRATION DATE: 7/30/20 ENERGY RATIO (%): 82.5	ELEVATION: 656.5 (MSL) EOB: 15.0 ft. LAT / LONG: 41.785595, -81.134253	PAGE 1 OF 1
MATERIAL DESCRIPTION AND NOTES				
3" ASPHALT AND 7" CONCRETE	ELEV. 656.5	SPT/ RQD	GRADATION (%)	ABANDONED
DENSE, BROWN, GRAVEL AND/OR STONE FRAGMENTS WITH SAND, TRACE SILT, TRACE CLAY, MOIST	655.6	14 16 18	GR CS FS SI CL LL PL PI WC	ODOT CLASS (SI)
MEDIUM DENSE TO DENSE, BROWN, COARSE AND FINE SAND, LITTLE SILT, TRACE CLAY, TRACE GRAVEL, MOIST	653.0	4 3 7	49 13 27 8 3 NP NP NP 6	A-1-b (0)
		4 3 7	- - - - -	A-3a (V)
		5 8 8	- - - - -	A-3a (V)
		7 13 13	- - - - -	A-3a (V)
		7 8 11	- - - - -	A-3a (V)
MEDIUM DENSE TO DENSE, GRAY, COARSE AND FINE SAND, LITTLE SILT, TRACE CLAY, TRACE GRAVEL, MOIST	645.5	7 8 11	- - - - -	A-3a (V)
		17 14 16	14 63 18 4 NP NP NP 22	A-3a (0)
	641.5			

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 6/7/21 11:29 - \\SME-INC\PIZ\WP\1080953.01\PROJECT DATA\GIN\T80953.01 ODOT DRAFT LOGS.GPJ

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: ASPHALT PATCH, AUGER CUTTINGS MIXED WITH BENTONITE CHIPS





PROJECT: LAK-20-19.59  
 TYPE: RETAINING WALL  
 PID: 108665 SFN:  
 START: 4/26/21 END: 4/26/21  
 DRILLING FIRM / OPERATOR: SME / JH/RM  
 SAMPLING FIRM / LOGGER: SME / APF  
 DRILLING METHOD: 4" SSA  
 SAMPLING METHOD: SPT

DRILL RIG: 293-CME55-TRK  
 HAMMER: AUTOMATIC HAMMER  
 CALIBRATION DATE: 7/30/20  
 ENERGY RATIO (%): 82.5

STATION / OFFSET: 324+49, 18' RT.  
 ALIGNMENT: U.S. 20  
 ELEVATION: 663.4 (MSL) EOB: 15.0 ft.  
 LAT / LONG: 41.785747, -81.132556

EXPLORATION ID: B-025-2-19  
 PAGE: 1 OF 1

**MATERIAL DESCRIPTION AND NOTES**

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/ RQD	N <sub>60</sub>	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)				ATTERBERG				ODOT CLASS (SI)	ABAN-DONED	
								GR	CS	FS	SI	CL	LL	PL	PI			WC
8" ASPHALT AND 2.5" CONCRETE	663.4	1	44															
DENSE TO VERY DENSE, BROWN, GRAVEL AND/OR STONE FRAGMENTS WITH SAND, TRACE SILT, TRACE CLAY, DAMP	662.5	2	32	113	44	SS-1	-	-	-	-	-	-	-	-	-	-	A-1-b (V)	
		3	50															
		4	18	44	44	SS-2	-	-	-	-	-	-	-	-	-	-	A-1-b (V)	
		5	17	44	44	SS-2	-	-	-	-	-	-	-	-	-	-		
		6	15															
MEDIUM DENSE, BROWN, FINE SAND, SOME SILT, TRACE CLAY, DAMP	657.4	7	8	17	78	SS-3	-	0	1	66	26	7	NP	NP	NP	6	A-3a (0)	
		8	7	5														
		9	4	3	10	78	SS-4	-	-	-	-	-	-	-	-	-	10	A-4a (V)
MEDIUM DENSE, BROWN, SANDY SILT, TRACE CLAY, WET	654.9	10	4															
		11	5	6	18	78	SS-5	-	0	0	64	29	7	NP	NP	28	A-4a (0)	
		12	6	7														
		13	7															
		14	8	7	22	78	SS-6	-	-	-	-	-	-	-	-	-	-	A-4a (V)
		15	9															

W 652.4 EOB 648.4

NOTES: NONE  
 ABANDONMENT METHODS, MATERIALS, QUANTITIES: ASPHALT PATCH, AUGER CUTTINGS MIXED WITH BENTONITE CHIPS

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 6/7/21 11:29 - \\SME-FNCP\ZMWP\080953.01\PROJECT DATA\GIN\T80953.01 ODOT DRAFT LOGS.GPJ

PROJECT: LAK-20-19.59 TYPE: RETAINING WALL PID: 108665 SFN: START: 4/26/21 END: 4/26/21	DRILLING FIRM / OPERATOR: SME / JH/RM SAMPLING FIRM / LOGGER: SME / APF DRILLING METHOD: 4" SSA SAMPLING METHOD: SPT	DRILL RIG: 293-CME55-TRK HAMMER: AUTOMATIC HAMMER CALIBRATION DATE: 7/30/20 ENERGY RATIO (%): 82.5	STATION / OFFSET: 325+90.18' RT. ALIGNMENT: U.S. 20 ELEVATION: 665.8 (MSL) EOB: 15.0 ft. LAT / LONG: 41.785789, -81.132045	EXPLORATION ID B-025-3-19
<b>MATERIAL DESCRIPTION AND NOTES</b>		GRADATION (%)		ABAN- DONED
2.75" ASPHALT AND 9" CONCRETE	ELEV. 665.8	SPT/ RQD	GR CS FS SI CL	ODOT CLASS (SI)
MEDIUM DENSE TO DENSE, BROWN, GRAVEL AND STONE FRAGMENTS WITH SAND, TRACE SILT, TRACE CLAY, DAMP	ELEV. 664.8	11 16 12	GR 37	5 A-1-b (0)
MEDIUM DENSE, BROWN, COARSE AND FINE SAND, LITTLE SILT, TRACE CLAY, TRACE GRAVEL, DAMP	ELEV. 659.8	4 5 5	CS 25 FS 26 SI 9	7 A-1-b (V)
	ELEV. 655.3	4 5 6	CS 25 FS 26 SI 9	6 A-3a (V)
LOOSE TO MEDIUM DENSE, BROWN, COARSE AND FINE SAND, LITTLE SILT, TRACE CLAY, TRACE GRAVEL, WET	ELEV. 650.8	4 4 5	GR 4 CS 2 FS 15 SI 4	11 A-3a (0)
	ELEV. 650.8	3 3 3	GR 4 CS 2 FS 15 SI 4	34 A-3a (V)
	ELEV. 650.8	8 7 8	GR 4 CS 2 FS 15 SI 4	26 A-3a (V)

STANDARD ODOT SOIL BORING LOG (8.5 X 11) - OH DOT.GDT - 6/7/21 11:29 - \\SME-INC\PIZ\WP\1080953.01\PROJECT DATA\GINT\80953.01 ODOT DRAFT LOGS.GPJ

NOTES: NONE

ABANDONMENT METHODS, MATERIALS, QUANTITIES: ASPHALT PATCH, AUGER CUTTINGS MIXED WITH BENTONITE CHIPS