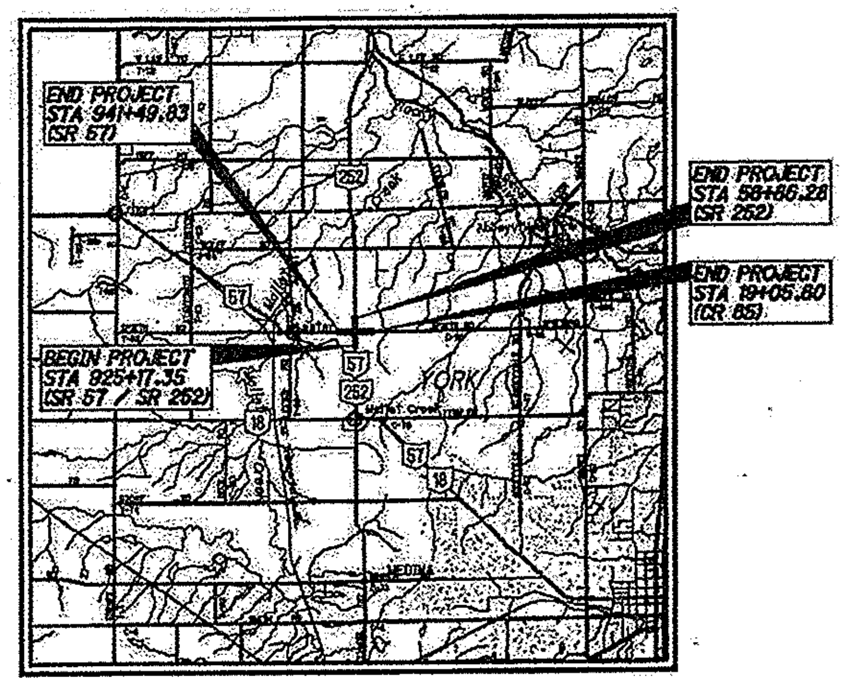
MED - -SR 57-17.67
140525 PID - 92691
Dist 3 10/30/2014
Contract Proposal Available @ www. contracts.dot.state.oh.us/home

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

MED-57-17.52

YORK TOWNSHIP
MEDINA COUNTY



LOCATION MAP

LATITUDE: 41°10'51" LONGITUDE: 81°55'31"

SCALE IN MILES: 0 1 2 3 4

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

FOR DESIGN DESIGNATIONS, SEE SHEET 2

DESIGN EXCEPTIONS
NONE REQUIRED

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG
CALL
1-800-362-2764
(TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY
OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE CALL: 1-800-925-0988

PLAN PREPARED BY:
AMERICAN STRUCTUREPOINT INC.

PROJECT DESCRIPTION

IMPROVEMENT OF THE INTERSECTION OF SR 57 / SR 252 (COLUMBIA ROAD) AND SR 57 / CR 65 (SPEITH ROAD) BY CONSTRUCTING A ROUNDABOUT WITH SINGLE LANE APPROACHES AND DEPARTURES, CURB AND GUTTER, ROADWAY DRAINAGE, LIMITED LIGHTING, AND UTILITY RELOCATIONS.

PROJECT EARTH DISTURBED AREA:	7.9 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.9 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	8.8 ACRES

2013 SPECIFICATIONS

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

INDEX OF SHEETS:

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-4.1	7/19/13	HL-10.11	1/17/14	TC-41.20	10/18/13			800	07/18/14	
BP-5.1	7/19/13	HL-10.12	1/17/14	TC-41.30	10/18/13			832	1/17/14	
		HL-10.13	1/17/14	TC-42.20	10/18/13					
CB-1.1	1/18/13	HL-20.11	1/17/14	TC-52.10	10/18/13					
CB-4.1	1/18/13	HL-30.11	1/17/14	TC-52.20	07/18/14					
		HL-30.21	1/17/14	TC-65.10	1/17/14					
HW-2.1	1/18/13	HL-30.22	1/17/14	TC-65.11	07/18/14					
HW-2.2	1/18/13	HL-40.20	1/17/14	TC-71.10	1/17/14					
		HL-50.11	1/17/14							
DM-1.1	1/18/13	HL-60.11	1/17/14							
DM-1.2	1/18/13	HL-60.12	1/17/14							
DM-1.4	1/18/13	HL-60.31	1/17/14							
DM-4.4	7/20/12									
		MT-101.60	7/19/13							
RM-1.1	07/18/14	MT-105.10	7/19/13							

ENGINEER'S SEAL:

STATE OF OHIO
FRANK J. ARANSKY
E-69903
REGISTERED PROFESSIONAL ENGINEER

SIGNED: [signature]
DATE: MAY 9, 2014

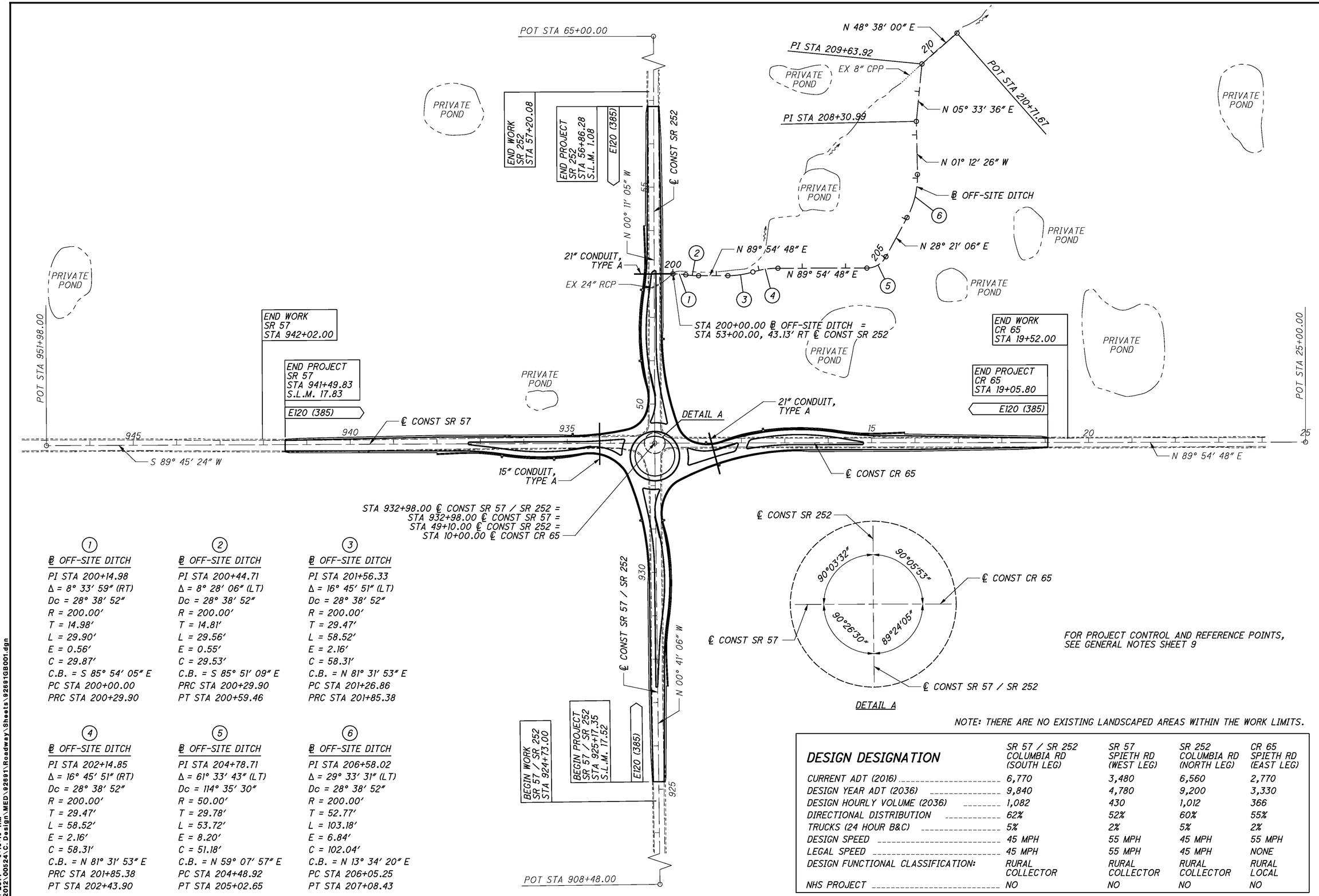
I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 14.

APPROVED [signature]
DATE 7-31-14 DISTRICT DEPUTY DIRECTOR

APPROVED [signature]
DATE 8-11-14 DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. E120 (385)
PID NO. 92691
CONSTRUCTION PROJECT NO.
RAILROAD INVOLVEMENT NONE

MED-57-17.52



DETAIL A

FOR PROJECT CONTROL AND REFERENCE POINTS, SEE GENERAL NOTES SHEET 9

NOTE: THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMITS.

DESIGN DESIGNATION	SR 57 / SR 252 COLUMBIA RD (SOUTH LEG)	SR 57 SPIETH RD (WEST LEG)	SR 252 COLUMBIA RD (NORTH LEG)	CR 65 SPIETH RD (EAST LEG)
CURRENT ADT (2016)	6,770	3,480	6,560	2,770
DESIGN YEAR ADT (2036)	9,840	4,780	9,200	3,330
DESIGN HOURLY VOLUME (2036)	1,082	430	1,012	366
DIRECTIONAL DISTRIBUTION	62%	52%	60%	55%
TRUCKS (24 HOUR B&C)	5%	2%	5%	2%
DESIGN SPEED	45 MPH	55 MPH	45 MPH	55 MPH
LEGAL SPEED	45 MPH	55 MPH	45 MPH	NONE
DESIGN FUNCTIONAL CLASSIFICATION:	RURAL COLLECTOR	RURAL COLLECTOR	RURAL COLLECTOR	RURAL LOCAL
NHS PROJECT	NO	NO	NO	NO

(1) ℄ OFF-SITE DITCH
PI STA 200+14.98
Δ = 8° 33' 59" (RT)
Dc = 28° 38' 52"
R = 200.00'
T = 14.98'
L = 29.90'
E = 0.56'
C = 29.87'
C.B. = S 85° 54' 05" E
PC STA 200+00.00
PRC STA 200+29.90

(2) ℄ OFF-SITE DITCH
PI STA 200+44.71
Δ = 8° 28' 06" (LT)
Dc = 28° 38' 52"
R = 200.00'
T = 14.81'
L = 29.56'
E = 0.55'
C = 29.53'
C.B. = S 85° 51' 09" E
PRC STA 200+29.90
PT STA 200+59.46

(3) ℄ OFF-SITE DITCH
PI STA 201+56.33
Δ = 16° 45' 51" (LT)
Dc = 28° 38' 52"
R = 200.00'
T = 29.47'
L = 58.52'
E = 2.16'
C = 58.31'
C.B. = N 81° 31' 53" E
PC STA 201+26.86
PRC STA 201+85.38

(4) ℄ OFF-SITE DITCH
PI STA 202+14.85
Δ = 16° 45' 51" (RT)
Dc = 28° 38' 52"
R = 200.00'
T = 29.47'
L = 58.52'
E = 2.16'
C = 58.31'
C.B. = N 81° 31' 53" E
PRC STA 201+85.38
PT STA 202+43.90

(5) ℄ OFF-SITE DITCH
PI STA 204+78.71
Δ = 61° 33' 43" (LT)
Dc = 114° 35' 30"
R = 50.00'
T = 29.78'
L = 53.72'
E = 8.20'
C = 51.18'
C.B. = N 59° 07' 57" E
PC STA 204+48.92
PT STA 205+02.65

(6) ℄ OFF-SITE DITCH
PI STA 206+58.02
Δ = 29° 33' 31" (LT)
Dc = 28° 38' 52"
R = 200.00'
T = 52.77'
L = 103.18'
E = 6.84'
C = 102.04'
C.B. = N 13° 34' 20" E
PC STA 206+05.25
PT STA 207+08.43

HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN & DESIGN DESIGNATIONS

MED-57-17.52

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(A) SE STA 150+00.00 =
SR 57 / SR 252 STA 931+11.05, 15.63' RT =
SR STA 63+22.86, 12.00' RT
NORTHING: 552,032.88
EASTING: 2,126,971.25

(B) SR STA 60+00.00 =
SR 57 / SR 252 STA 927+87.35, 4.00' RT
NORTHING: 551,709.07
EASTING: 2,126,963.50

(C) SL STA 70+00.00 =
SR 57 / SR 252 STA 930+09.48, 4.00' LT
NORTHING: 551,931.08
EASTING: 2,126,952.84

(D) SW STA 140+00.00 =
SR 57 / SR 252 STA 929+92.01, 16.00' LT
NORTHING: 551,913.47
EASTING: 2,126,941.05

(E) SW STA 143+62.08 =
SR 57 STA 934+63.46, 23.14' LT =
WL STA 80+98.65, 12.00' LT
NORTHING: 552,195.79
EASTING: 2,126,788.03

(F) WL STA 83+84.58 =
SR 57 STA 937+50.18, 4.00' LT
NORTHING: 552,213.71
EASTING: 2,126,501.23

(G) WR STA 91+12.64 =
SR 57 STA 934+70.09, 4.00' RT
NORTHING: 552,222.90
EASTING: 2,126,781.29

(H) NW STA 160+00.00 =
SR 57 STA 934+93.50, 16.00' RT
NORTHING: 552,234.80
EASTING: 2,126,757.83

(I) NW STA 162+53.53 =
SR 252 STA 50+37.00, 15.47' LT =
NL STA 100+89.24, 12.00' LT
NORTHING: 552,346.58
EASTING: 2,126,937.51

(J) NL STA 104+12.69 =
SR 252 STA 53+61.27, 4.00' LT
NORTHING: 552,670.89
EASTING: 2,126,947.94

(K) NR STA 111+96.67 =
SR 252 STA 51+39.13, 4.00' RT
NORTHING: 552,448.78
EASTING: 2,126,956.65

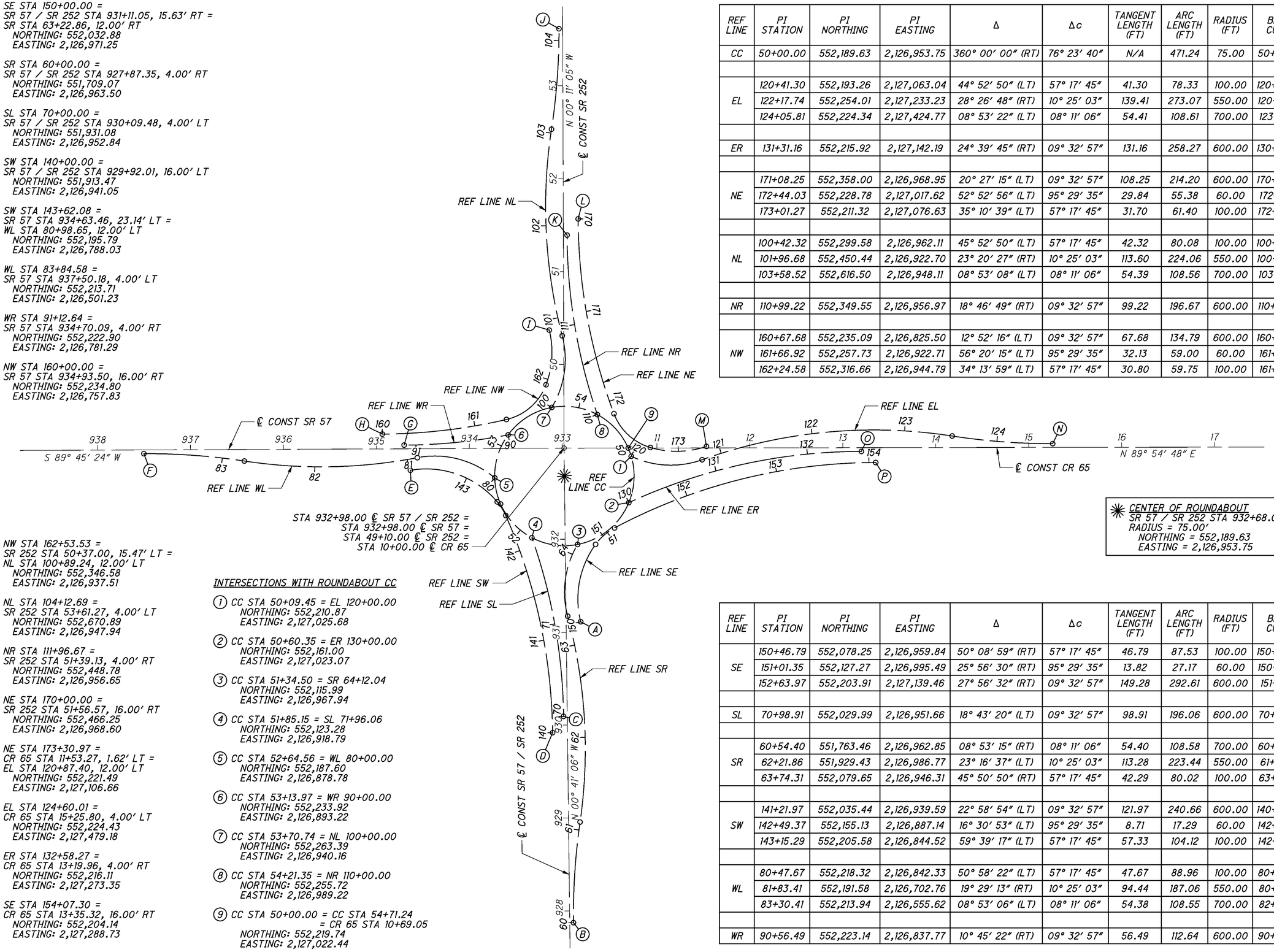
(L) NE STA 170+00.00 =
SR 252 STA 51+56.57, 16.00' RT
NORTHING: 552,466.25
EASTING: 2,126,968.60

(M) NE STA 173+30.97 =
CR 65 STA 11+53.27, 1.62' LT =
EL STA 120+87.40, 12.00' LT
NORTHING: 552,221.49
EASTING: 2,127,106.66

(N) EL STA 124+60.01 =
CR 65 STA 15+25.80, 4.00' LT
NORTHING: 552,224.43
EASTING: 2,127,479.18

(O) ER STA 132+58.27 =
CR 65 STA 13+19.96, 4.00' RT
NORTHING: 552,216.11
EASTING: 2,127,273.35

(P) SE STA 154+07.30 =
CR 65 STA 13+35.32, 16.00' RT
NORTHING: 552,204.14
EASTING: 2,127,288.73



INTERSECTIONS WITH ROUNDABOUT CC

(1) CC STA 50+09.45 = EL 120+00.00
NORTHING: 552,210.87
EASTING: 2,127,025.68

(2) CC STA 50+60.35 = ER 130+00.00
NORTHING: 552,161.00
EASTING: 2,127,023.07

(3) CC STA 51+34.50 = SR 64+12.04
NORTHING: 552,115.99
EASTING: 2,126,967.94

(4) CC STA 51+85.15 = SL 71+96.06
NORTHING: 552,123.28
EASTING: 2,126,918.79

(5) CC STA 52+64.56 = WL 80+00.00
NORTHING: 552,187.60
EASTING: 2,126,878.78

(6) CC STA 53+13.97 = WR 90+00.00
NORTHING: 552,233.92
EASTING: 2,126,893.22

(7) CC STA 53+70.74 = NL 100+00.00
NORTHING: 552,263.39
EASTING: 2,126,940.16

(8) CC STA 54+21.35 = NR 110+00.00
NORTHING: 552,255.72
EASTING: 2,126,989.22

(9) CC STA 50+00.00 = CC STA 54+71.24
= CR 65 STA 10+69.05
NORTHING: 552,219.74
EASTING: 2,127,022.44

REF LINE	PI STATION	PI NORTHING	PI EASTING	Δ	Δc	TANGENT LENGTH (FT)	ARC LENGTH (FT)	RADIUS (FT)	BEGIN CURVE	END CURVE
CC	50+00.00	552,189.63	2,126,953.75	360° 00' 00" (RT)	76° 23' 40"	N/A	471.24	75.00	50+00.00	54+71.24
EL	120+41.30	552,193.26	2,127,063.04	44° 52' 50" (LT)	57° 17' 45"	41.30	78.33	100.00	120+00.00	120+78.33
	122+17.74	552,254.01	2,127,233.23	28° 26' 48" (RT)	10° 25' 03"	139.41	273.07	550.00	120+78.33	123+51.40
	124+05.81	552,224.34	2,127,424.77	08° 53' 22" (LT)	08° 11' 06"	54.41	108.61	700.00	123+51.40	124+60.01
ER	131+31.16	552,215.92	2,127,142.19	24° 39' 45" (RT)	09° 32' 57"	131.16	258.27	600.00	130+00.00	132+58.27
NE	171+08.25	552,358.00	2,126,968.95	20° 27' 15" (LT)	09° 32' 57"	108.25	214.20	600.00	170+00.00	172+14.20
	172+44.03	552,228.78	2,127,017.62	52° 52' 56" (LT)	95° 29' 35"	29.84	55.38	60.00	172+14.20	172+69.57
	173+01.27	552,211.32	2,127,076.63	35° 10' 39" (LT)	57° 17' 45"	31.70	61.40	100.00	172+69.57	173+30.97
NL	100+42.32	552,299.58	2,126,962.11	45° 52' 50" (LT)	57° 17' 45"	42.32	80.08	100.00	100+00.00	100+80.08
	101+96.68	552,450.44	2,126,922.70	23° 20' 27" (RT)	10° 25' 03"	113.60	224.06	550.00	100+80.08	103+04.13
	103+58.52	552,616.50	2,126,948.11	08° 53' 08" (LT)	08° 11' 06"	54.39	108.56	700.00	103+04.13	104+12.69
NR	110+99.22	552,349.55	2,126,956.97	18° 46' 49" (RT)	09° 32' 57"	99.22	196.67	600.00	110+00.00	111+96.67
NW	160+67.68	552,235.09	2,126,825.50	12° 52' 16" (LT)	09° 32' 57"	67.68	134.79	600.00	160+00.00	161+34.79
	161+66.92	552,257.73	2,126,922.71	56° 20' 15" (LT)	95° 29' 35"	32.13	59.00	60.00	161+34.79	161+93.78
	162+24.58	552,316.66	2,126,944.79	34° 13' 59" (LT)	57° 17' 45"	30.80	59.75	100.00	161+93.78	162+53.53

✳ CENTER OF ROUNDABOUT
SR 57 / SR 252 STA 932+68.00, ℄
RADIUS = 75.00'
NORTHING = 552,189.63
EASTING = 2,126,953.75

REF LINE	PI STATION	PI NORTHING	PI EASTING	Δ	Δc	TANGENT LENGTH (FT)	ARC LENGTH (FT)	RADIUS (FT)	BEGIN CURVE	END CURVE
SE	150+46.79	552,078.25	2,126,959.84	50° 08' 59" (RT)	57° 17' 45"	46.79	87.53	100.00	150+00.00	150+87.53
	151+01.35	552,127.27	2,126,995.49	25° 56' 30" (RT)	95° 29' 35"	13.82	27.17	60.00	150+87.53	151+14.69
	152+63.97	552,203.91	2,127,139.46	27° 56' 32" (RT)	09° 32' 57"	149.28	292.61	600.00	151+14.69	154+07.31
SL	70+98.91	552,029.99	2,126,951.66	18° 43' 20" (LT)	09° 32' 57"	98.91	196.06	600.00	70+00.00	71+96.06
SR	60+54.40	551,763.46	2,126,962.85	08° 53' 15" (RT)	08° 11' 06"	54.40	108.58	700.00	60+00.00	61+08.58
	62+21.86	551,929.43	2,126,986.77	23° 16' 37" (LT)	10° 25' 03"	113.28	223.44	550.00	61+08.58	63+32.02
	63+74.31	552,079.65	2,126,946.31	45° 50' 50" (RT)	57° 17' 45"	42.29	80.02	100.00	63+32.02	64+12.04
SW	141+21.97	552,035.44	2,126,939.59	22° 58' 54" (LT)	09° 32' 57"	121.97	240.66	600.00	140+00.00	142+40.67
	142+49.37	552,155.13	2,126,887.14	16° 30' 53" (LT)	95° 29' 35"	8.71	17.29	60.00	142+40.67	142+57.96
	143+15.29	552,205.58	2,126,844.52	59° 39' 17" (LT)	57° 17' 45"	57.33	104.12	100.00	142+57.96	143+62.08
WL	80+47.67	552,218.32	2,126,842.33	50° 58' 22" (LT)	57° 17' 45"	47.67	88.96	100.00	80+00.00	80+88.96
	81+83.41	552,191.58	2,126,702.76	19° 29' 13" (RT)	10° 25' 03"	94.44	187.06	550.00	80+88.96	82+76.03
	83+30.41	552,213.94	2,126,555.62	08° 53' 06" (LT)	08° 11' 06"	54.38	108.55	700.00	82+76.03	83+84.58
WR	90+56.49	552,223.14	2,126,837.77	10° 45' 22" (RT)	09° 32' 57"	56.49	112.64	600.00	90+00.00	91+12.64

HORIZONTAL SCALE IN FEET
0 25 50 100

ROUNDABOUT GEOMETRIC LAYOUT

MED-57-17.52

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TYPICAL SECTIONS

[A] SR 57 / SR 252: VARIES FROM 12.6′ AT STA 925+17.35 TO 16.0′ AT STA 927+37.35
SR 57: VARIES FROM 16.0′ AT STA 937+99.83 TO 14.7′ AT STA 941+49.83
SR 252: VARIES FROM 16.0′ AT STA 54+11.28 TO 13.4′ AT STA 56+86.28
CR 65: VARIES FROM 16.0′ AT STA 15+75.80 TO 10.3′ AT STA 19+05.80

[B] SR 57 / SR 252: VARIES FROM 12.4′ AT STA 925+17.35 TO 16.0′ AT STA 927+37.35
SR 57: VARIES FROM 16.0′ AT STA 937+99.83 TO 9.8′ AT STA 941+49.83
SR 252: VARIES FROM 16.0′ AT STA 54+11.28 TO 11.4′ AT STA 56+86.28
CR 65: VARIES FROM 16.0′ AT STA 15+75.80 TO 10.6′ AT STA 19+05.80

[C] SR 57 / SR 252: VARIES FROM 1.8′ AT STA 925+17.35 TO 4.0′ AT STA 925+77.21
SR 57: VARIES FROM 4.0′ AT STA 941+40.09 TO 2.0′ AT STA 941+49.83
SR 252: VARIES FROM 4.0′ AT STA 56+71.06 TO 1.9′ AT STA 56+86.28
CR 65: VARIES FROM 4.0′ AT STA 18+90.02 TO 1.9′ AT STA 19+05.80

[D] SR 57 / SR 252: VARIES FROM 2.6′ AT STA 925+17.35 TO 4.0′ AT STA 925+26.80
SR 57: VARIES FROM 4.0′ AT STA 941+14.94 TO 2.6′ AT STA 941+49.83
SR 252: VARIES FROM 4.0′ AT STA 56+10.95 TO 1.2′ AT STA 56+86.28
CR 65: VARIES FROM 4.0′ AT STA 18+39.98 TO 1.5′ AT STA 19+05.80

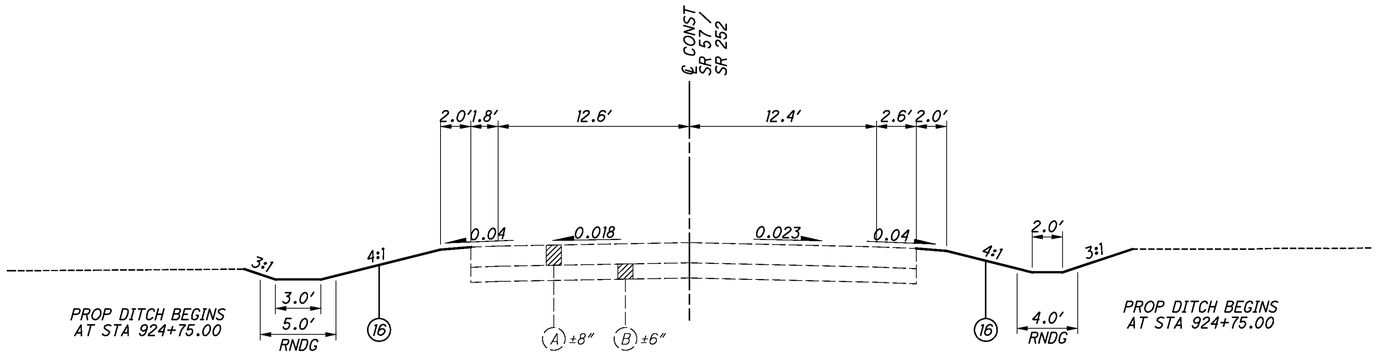
[E] SR 57 / SR 252: VARIES FROM 0.018 AT STA 925+17.35 TO 0.016 AT STA 925+40.00
SR 57: VARIES FROM 0.016 AT STA 940+25.00 TO 0.041 AT STA 941+49.83
SR 252: VARIES FROM 0.016 AT STA 56+20.00 TO 0.026 AT STA 56+86.28
CR 65: VARIES FROM 0.016 AT STA 18+30.00 TO 0.044 AT STA 19+05.80

[F] SR 57 / SR 252: VARIES FROM 0.023 AT STA 925+17.35 TO 0.016 AT STA 925+40.00
SR 57: VARIES FROM 0.016 AT STA 940+25.00 TO 0.024 AT STA 941+49.83
SR 252: VARIES FROM 0.016 AT STA 56+20.00 TO 0.011 AT STA 56+86.28
CR 65: VARIES FROM 0.016 AT STA 18+30.00 TO 0.022 AT STA 19+05.80

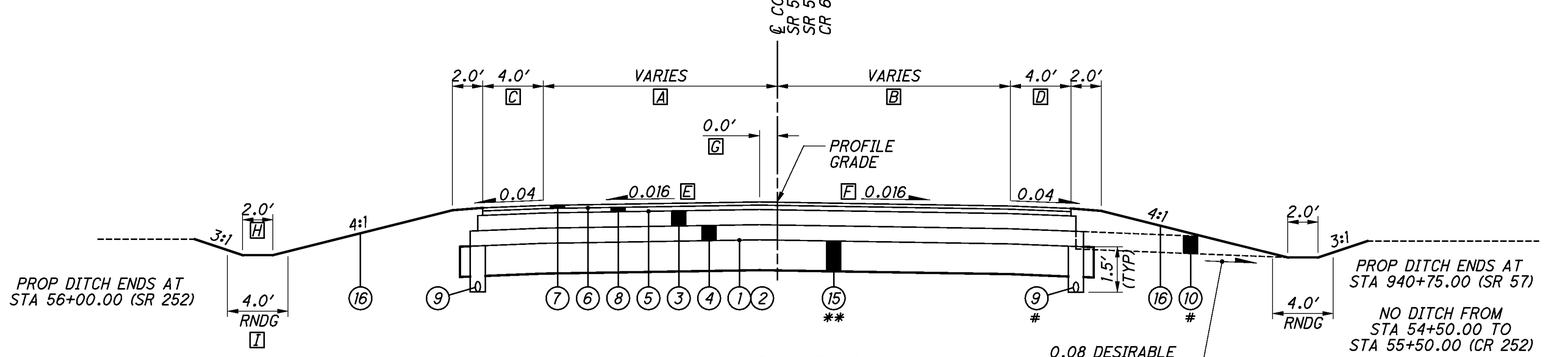
[G] SR 57: VARIES FROM 0.0′ AT STA 940+25.00 TO 2.2′ AT STA 941+49.83
SR 252: VARIES FROM 0.0′ AT STA 56+20.00 TO 1.2′ AT STA 56+86.28

[H] SR 57 / SR 252: 3.0′ FROM STA 925+17.35 TO STA 926+85.00
VARIES FROM 3.0′ AT STA 926+85.00 TO 4.0′ FROM STA 927+00.00
4.0′ FROM STA 927+00.00 TO STA 927+37.35

[I] SR 57 / SR 252: 5.0′ FROM STA 925+17.35 TO STA 926+85.00
VARIES FROM 5.0′ AT STA 926+85.00 TO 6.0′ FROM STA 927+00.00
6.0′ FROM STA 927+00.00 TO STA 927+37.35



ADJOINING SECTION
STA 925+17.35 (SR 57 / SR 252)



NORMAL SECTION
STA 925+17.35 TO STA 927+37.35 (SR 57 / SR 252)
STA 937+99.83 TO STA 941+49.83 (SR 57) **
STA 54+11.28 TO STA 56+86.28 (SR 252)
STA 15+75.80 TO STA 19+05.80 (CR 65)

FOR DETAILED LOCATIONS, SEE DRAINAGE DETAILS SHEETS 84 - 88

LEGEND

(1) ITEM 204 SUBGRADE COMPACTION
(2) ITEM 204 PROOF ROLLING
(3) ITEM 301 6″ ASPHALT CONCRETE BASE, PG64-22
(4) ITEM 304 6″ AGGREGATE BASE
(5) ITEM 407 TACK COAT (APPLIED AT A RATE OF 0.075 GAL/SQ YD)
(6) ITEM 407 TACK COAT FOR INTERMEDIATE COURSE (APPLIED AT A RATE OF 0.04 GAL/SQ YD)
(7) ITEM 442 1¼″ ASPHALT CONCRETE SURFACE COURSE, 9.5MM, TYPE A (446), AS PER PLAN
(8) ITEM 442 1¾″ ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), AS PER PLAN
(9) ITEM 605 4″ BASE PIPE UNDERDRAINS
(10) ITEM 605 AGGREGATE DRAINS
(11) ITEM 609 COMBINATION CURB AND GUTTER, TYPE 2
(12) ITEM 609 CURB, TYPE 6
(13) ITEM 609 CURB, TYPE 3-B, AS PER PLAN 1 - SEE DETAIL ON SHEET 8
(14) ITEM 609 CURB, TYPE 3-B, AS PER PLAN 2 - SEE DETAIL ON SHEET 8
(15) ITEM 206 LIME STABILIZED SUBGRADE, 12 INCHES DEEP - SEE CROSS SECTIONS FOR DETAILED LOCATIONS
(16) ITEM 659 SEEDING AND MULCHING
(17) ITEM SPECIAL NON-REINFORCED CONCRETE PAVEMENT MISC.: CONCRETE STAMPED AND STAINED - SEE DETAIL ON SHEET 8
(18) ITEM 609 6″ CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED
(A) EX ASPHALT PAVEMENT
(B) EX AGGREGATE BASE

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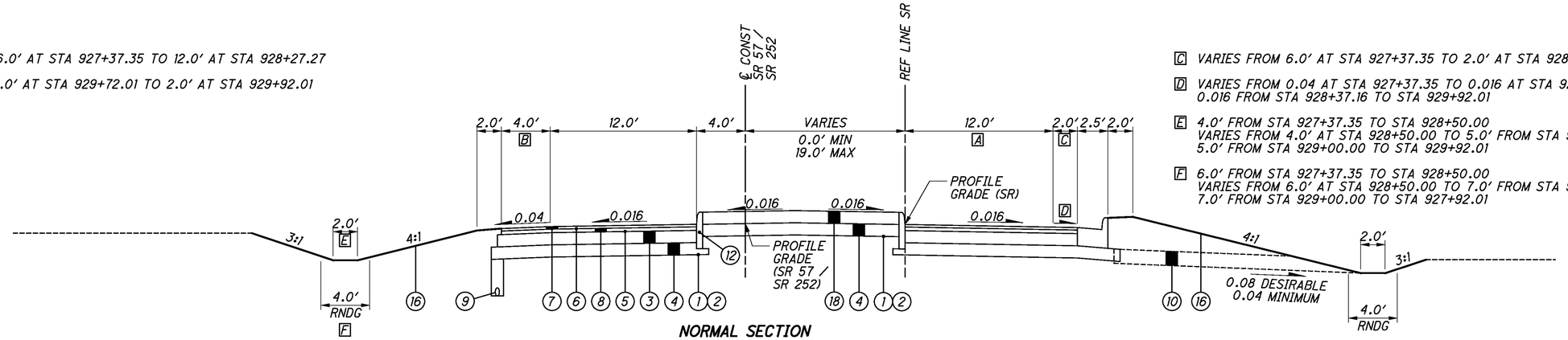
[A] VARIES FROM 16.0′ AT STA 927+37.35 TO 12.0′ AT STA 928+27.27

[B] VARIES FROM 4.0′ AT STA 929+72.01 TO 2.0′ AT STA 929+92.01



NORMAL SECTION
STA 927+37.35 TO STA 929+92.01 (SR 57 / SR 252)

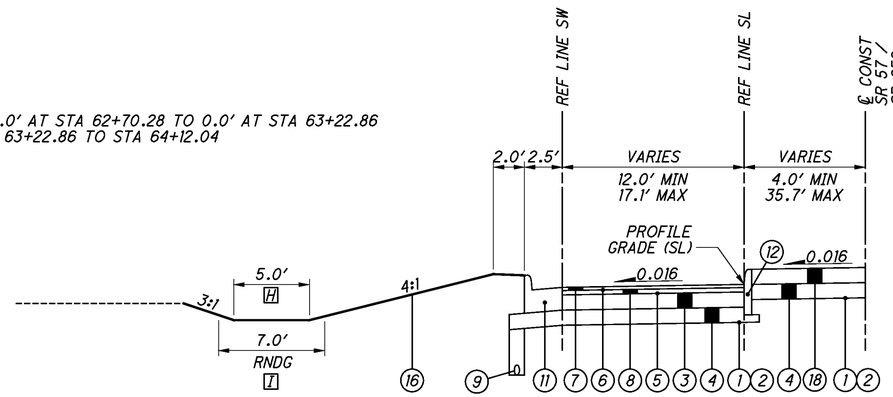
[C] VARIES FROM 6.0′ AT STA 927+37.35 TO 2.0′ AT STA 928+37.16

[D] VARIES FROM 0.04 AT STA 927+37.35 TO 0.016 AT STA 928+37.16
0.016 FROM STA 928+37.16 TO STA 929+92.01

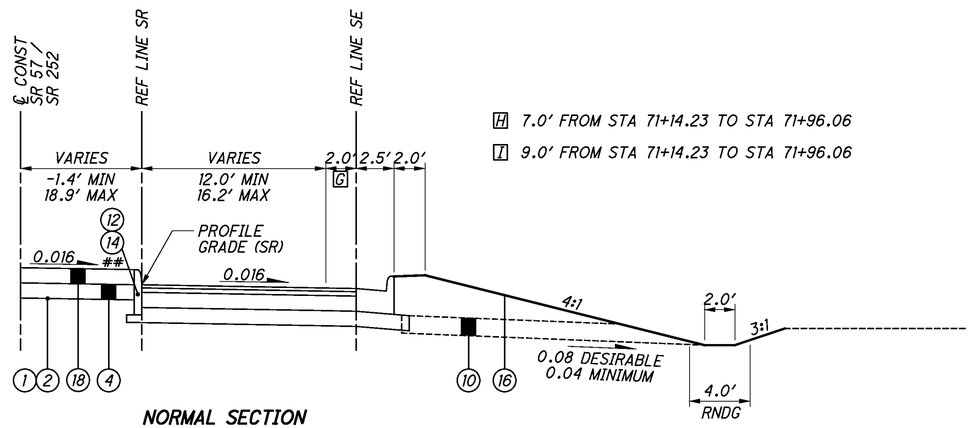
[E] 4.0′ FROM STA 927+37.35 TO STA 928+50.00
VARIES FROM 4.0′ AT STA 928+50.00 TO 5.0′ FROM STA 929+00.00
5.0′ FROM STA 929+00.00 TO STA 929+92.01

[F] 6.0′ FROM STA 927+37.35 TO STA 928+50.00
VARIES FROM 6.0′ AT STA 928+50.00 TO 7.0′ FROM STA 929+00.00
7.0′ FROM STA 929+00.00 TO STA 927+92.01

[G] VARIES FROM 2.0′ AT STA 62+70.28 TO 0.0′ AT STA 63+22.86
0.0′ FROM STA 63+22.86 TO STA 64+12.04



NORMAL SECTION
STA 929+92.01 TO STA 930+09.48 (SR 57 / SR 252)
STA 70+00.00 TO STA 71+96.06 (REF LINE SL)



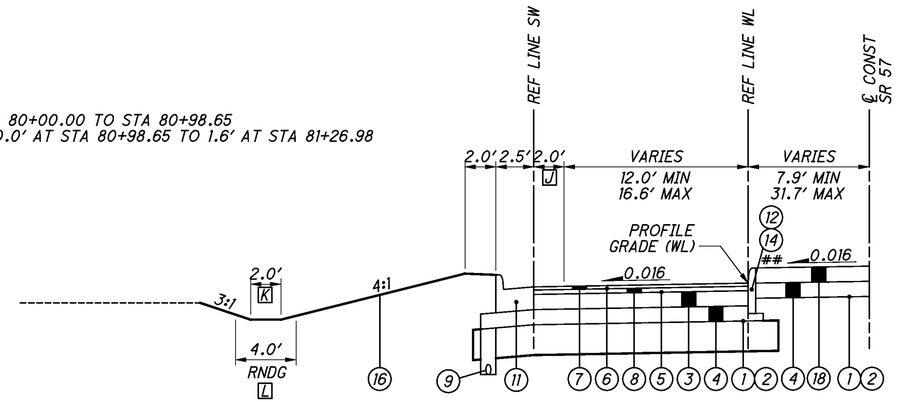
NORMAL SECTION
STA 62+05.44 TO STA 64+12.04 (REF LINE SR)

[H] 7.0′ FROM STA 71+14.23 TO STA 71+96.06

[I] 9.0′ FROM STA 71+14.23 TO STA 71+96.06

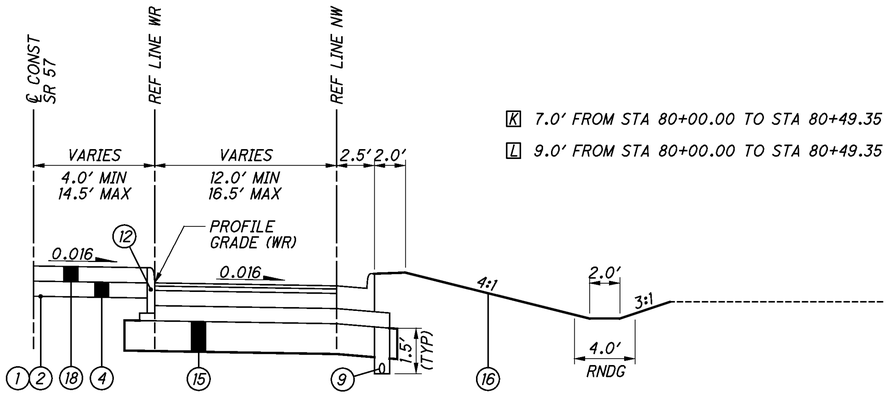
CURB, TYPE 3-B, AS PER PLAN FROM
STA 62+94.00 TO STA 63+44.00 (REF LINE SR)

[J] 0.0′ FROM STA 80+00.00 TO STA 80+98.65
VARIES FROM 0.0′ AT STA 80+98.65 TO 1.6′ AT STA 81+26.98



CURB, TYPE 3-B, AS PER PLAN FROM
STA 80+78.00 TO STA 81+28.00 (REF LINE WL)

NORMAL SECTION
STA 80+00.00 TO STA 81+26.98 (REF LINE WL)



NORMAL SECTION
STA 90+00.00 TO STA 91+12.64 (REF LINE WR)
STA 934+70.09 TO STA 934+93.50 (SR 57)

[K] 7.0′ FROM STA 80+00.00 TO STA 80+49.35

[L] 9.0′ FROM STA 80+00.00 TO STA 80+49.35

FOR LEGEND SEE SHEET 4

TYPICAL SECTIONS

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TYPICAL SECTIONS

A SR 57: VARIES FROM 12.0′ AT STA 936+66.93 TO 16.0′ AT STA 937+50.18
16.0′ FROM STA 937+50.18 TO STA 937+99.83

SR 252: VARIES FROM 12.0′ AT STA 53+24.05 TO 16.0′ AT STA 54+11.28

CR 65: VARIES FROM 12.0′ AT STA 14+17.63 TO 16.0′ AT STA 15+25.80
16.0′ FROM STA 15+25.80 TO STA 15+75.80

B SR 57: VARIES FROM 2.0′ AT STA 934+93.50 TO 4.0′ AT STA 935+13.50

SR 252: VARIES FROM 2.0′ AT STA 51+56.57 TO 4.0′ AT STA 51+76.57

CR 65: VARIES FROM 2.0′ AT STA 13+35.32 TO 4.0′ AT STA 13+55.32

C SR 57: VARIES FROM 1.6′ AT STA 934+93.50 TO 2.0′ AT STA 935+16.64
VARIES FROM 2.0′ AT STA 937+00.37 TO 6.0′ AT STA 937+99.83

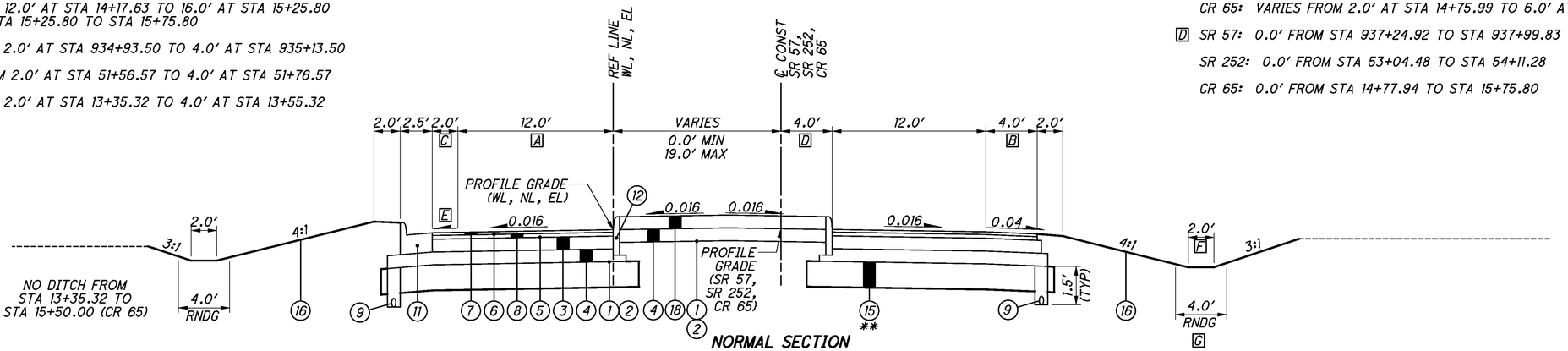
SR 252: VARIES FROM 2.0′ AT STA 53+11.46 TO 6.0′ AT STA 54+11.28

CR 65: VARIES FROM 2.0′ AT STA 14+75.99 TO 6.0′ AT STA 15+75.80

D SR 57: 0.0′ FROM STA 937+24.92 TO STA 937+99.83

SR 252: 0.0′ FROM STA 53+04.48 TO STA 54+11.28

CR 65: 0.0′ FROM STA 14+77.94 TO STA 15+75.80



NORMAL SECTION
STA 934+93.50 TO STA 937+99.83 (SR 57)**
STA 51+56.57 TO STA 54+11.28 (SR 252)
STA 13+35.32 TO STA 15+75.80 (CR 65)

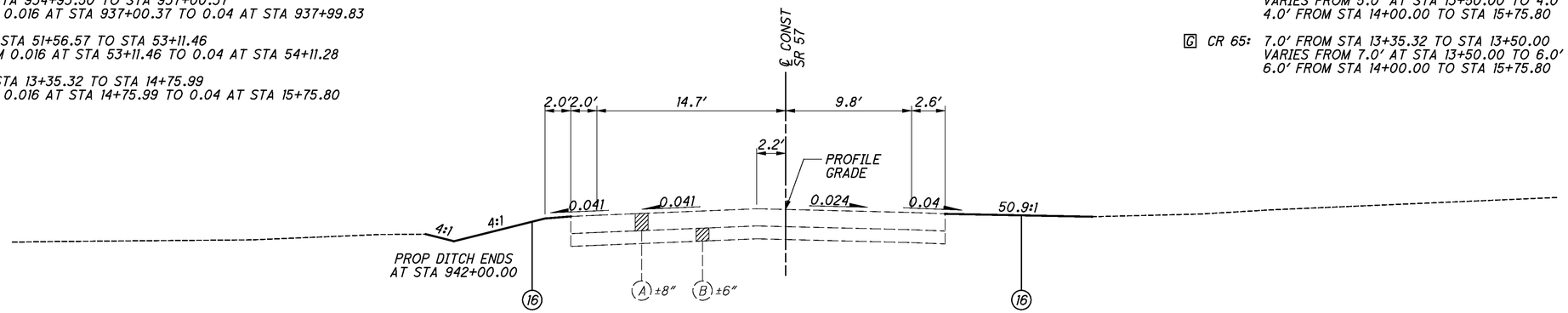
E SR 57: 0.016 FROM STA 934+93.50 TO STA 937+00.37
VARIES FROM 0.016 AT STA 937+00.37 TO 0.04 AT STA 937+99.83

SR 252: 0.016 FROM STA 51+56.57 TO STA 53+11.46
VARIES FROM 0.016 AT STA 53+11.46 TO 0.04 AT STA 54+11.28

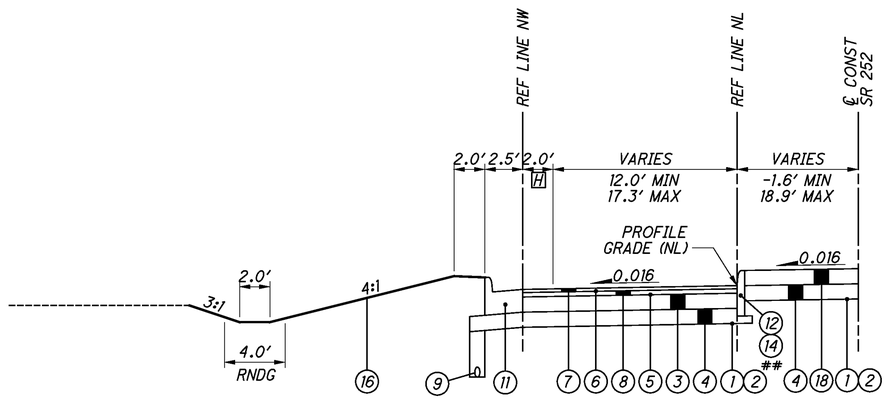
CR 65: 0.016 FROM STA 13+35.32 TO STA 14+75.99
VARIES FROM 0.016 AT STA 14+75.99 TO 0.04 AT STA 15+75.80

F CR 65: 5.0′ FROM STA 13+35.32 TO STA 13+50.00
VARIES FROM 5.0′ AT STA 13+50.00 TO 4.0′ AT STA 14+00.00
4.0′ FROM STA 14+00.00 TO STA 15+75.80

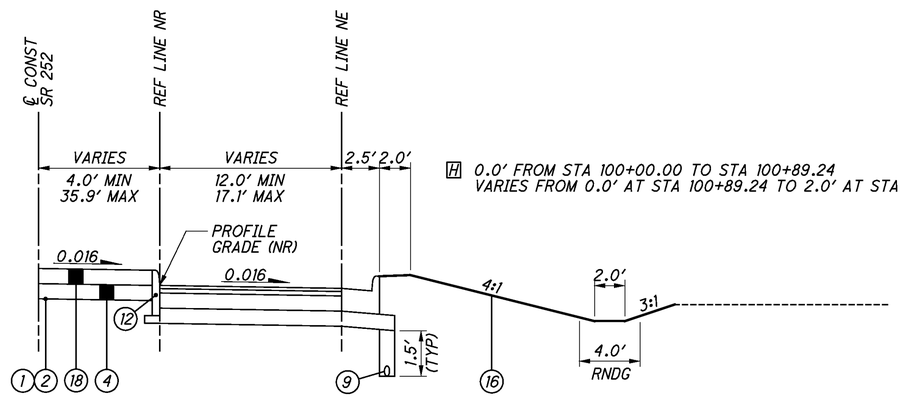
G CR 65: 7.0′ FROM STA 13+35.32 TO STA 13+50.00
VARIES FROM 7.0′ AT STA 13+50.00 TO 6.0′ AT STA 14+00.00
6.0′ FROM STA 14+00.00 TO STA 15+75.80



ADJOINING SECTION - SR 57
STA 941+49.83



NORMAL SECTION
STA 100+00.00 TO STA 102+07.21 (REF LINE NL)



NORMAL SECTION
STA 110+00.00 TO STA 111+96.67 (REF LINE NR)
STA 51+39.13 TO STA 54+11.28 (SR 252)

H 0.0′ FROM STA 100+00.00 TO STA 100+89.24
VARIES FROM 0.0′ AT STA 100+89.24 TO 2.0′ AT STA 101+41.82

CURB, TYPE 3-B, AS PER PLAN FROM STA 100+68.00 TO STA 101+18.00 (REF LINE NL)

FOR LEGEND SEE SHEET 4

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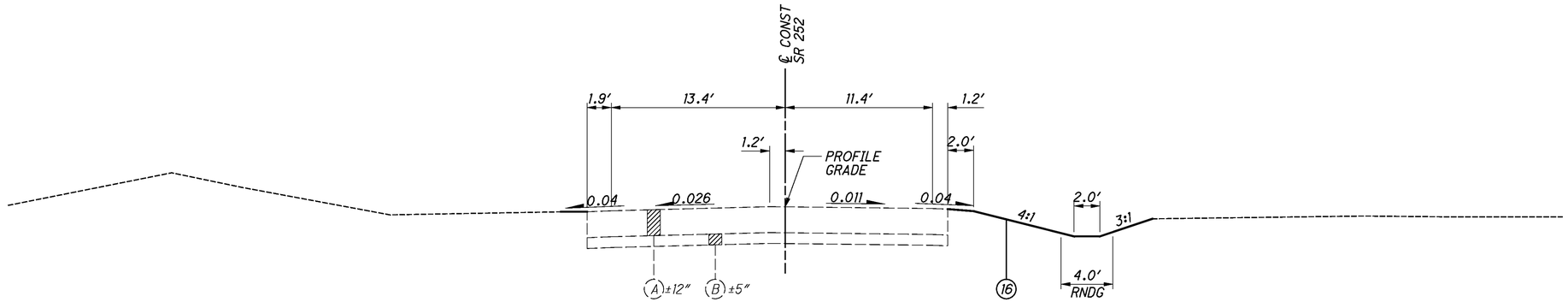
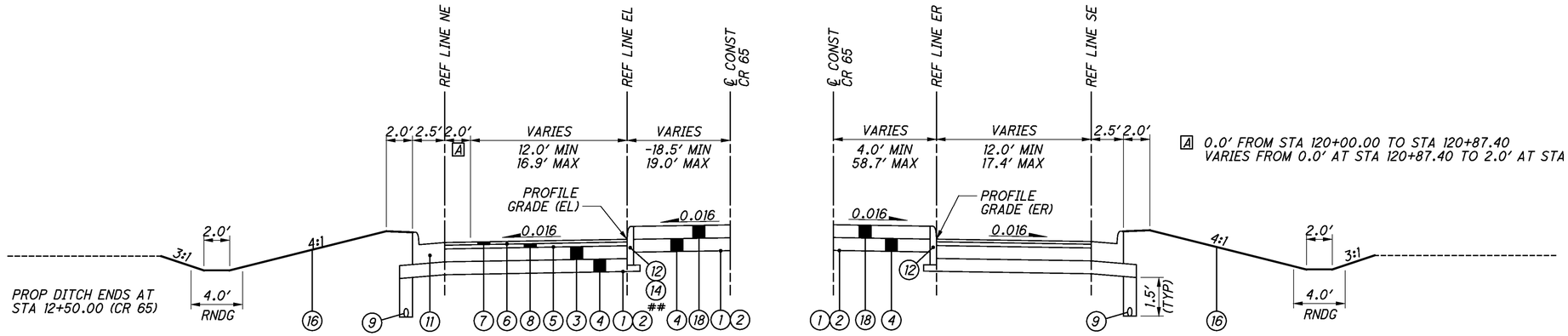


ADJOINING SECTION - SR 252
STA 56+86.28

PROP DITCH ENDS AT STA 57+18.08

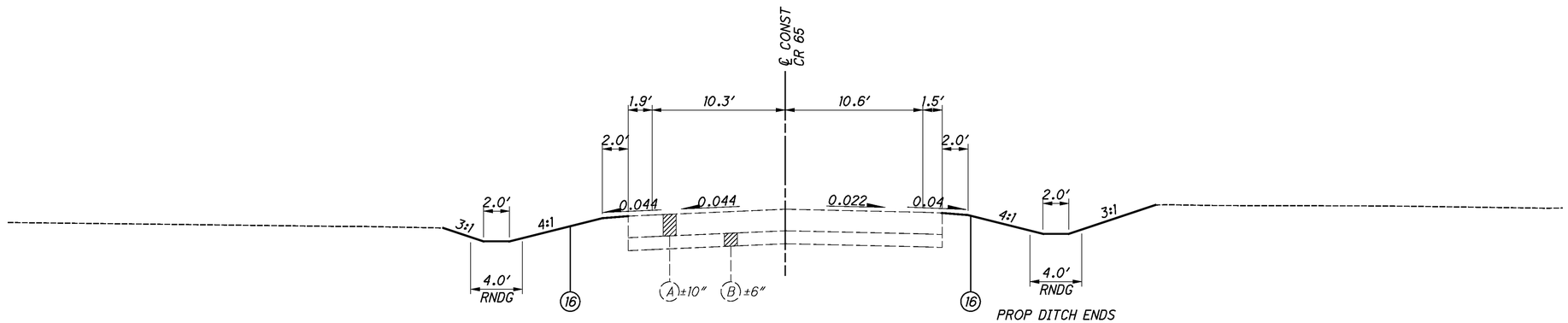


NORMAL SECTION
STA 120+00.00 TO STA 122+68.75 (REF LINE EL)

NORMAL SECTION
STA 130+00.00 TO STA 132+58.27 (REF LINE ER)
STA 13+19.96 TO STA 13+35.32 (CR 65)

A 0.0′ FROM STA 120+00.00 TO STA 120+87.40
VARIES FROM 0.0′ AT STA 120+87.40 TO 2.0′ AT STA 121+39.98

CURB, TYPE 3-B, AS PER PLAN FROM
STA 120+66.00 TO STA 121+16.00 (REF LINE EL)



ADJOINING SECTION - C.R 65
STA 19+05.80

PROP DITCH ENDS AT STA 19+50.00

FOR LEGEND SEE SHEET 4

TYPICAL SECTIONS

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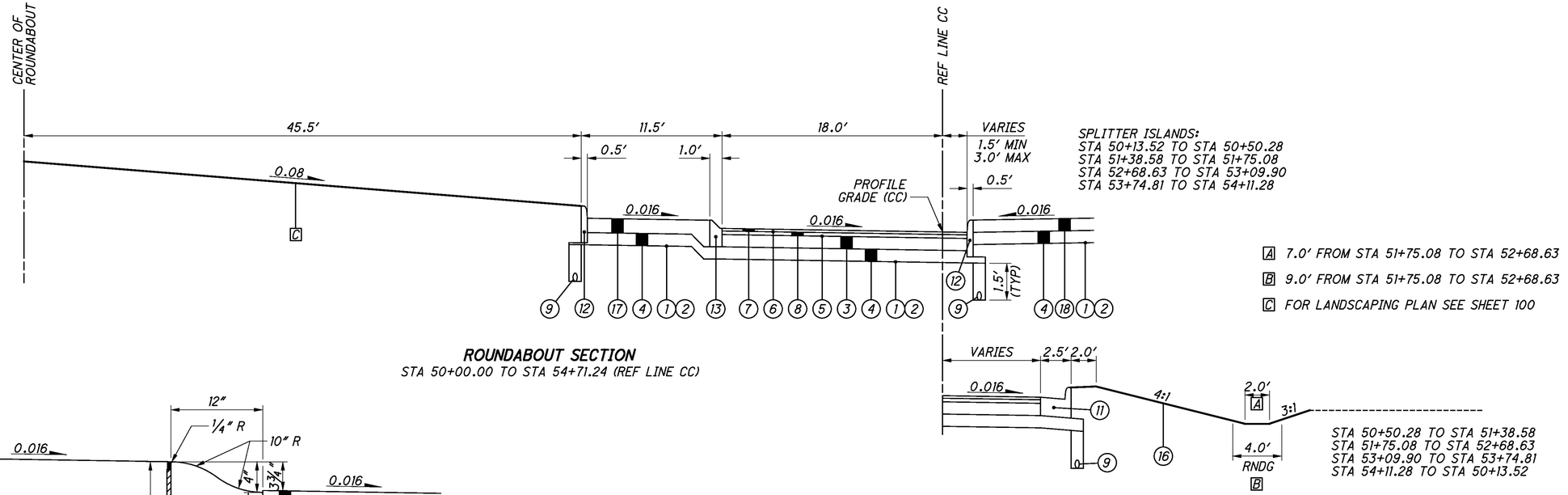
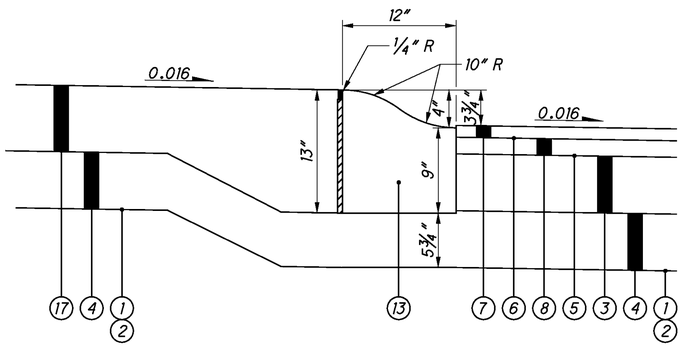
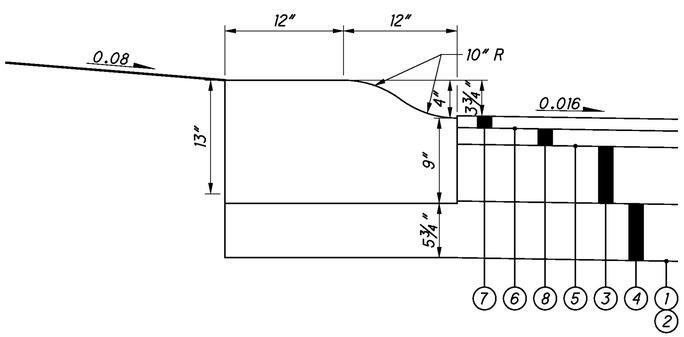


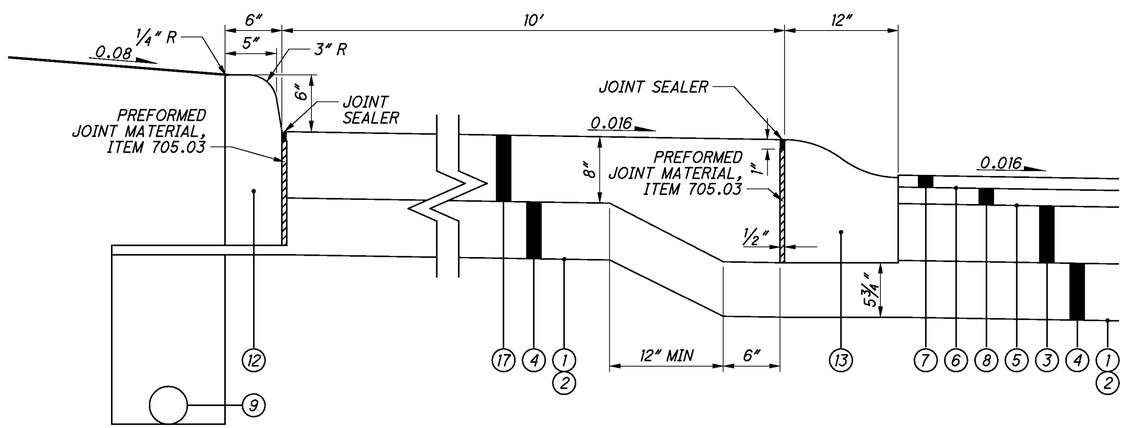
ROUNDABOUT SECTION
STA 50+00.00 TO STA 54+71.24 (REF LINE CC)



CURB, TYPE 3-B, AS PER PLAN 1
NOT TO SCALE



CURB, TYPE 3-B, AS PER PLAN 2
NOT TO SCALE



NON-REINFORCED CONCRETE PAVEMENT MISC.:
8″ TRUCK APRON STAINED
NOT TO SCALE

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TYPICAL SECTIONS

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UTILITIES

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

ELECTRIC:
OHIO EDISON
6326 LAKE AVENUE
ELYRIA, OHIO 44035
(440)-326-3231
ATTN: CHUCK BLAZINA

TELEPHONE:
FRONTIER COMMUNICATIONS
6223 NORWALK ROAD
MEDINA, OHIO 44256
(330) 722-9586
ATTN: RANDY HOWARD

GAS:
SUNOCO PIPELINE - LP
525 FRITZTOWN ROAD
SINKING SPRING, PA 19608
(610) 670-3279
ATTN: BRUCE SWALM

CABLE:
ARMSTRONG CABLE - MEDINA
1141 LAFAYETTE ROAD
MEDINA, OHIO 44256
(330) 722-3141
ATTN: BRIAN KEITH

GATHERCO INC.
300 TRACY BRIDGE ROAD
ORRVILLE, OHIO 44667
(330) 682-4144
ATTN: RALPH KROLL

WATER, SANITARY, STORM:
MEDINA COUNTY SANITARY ENGINEER
791 WEST SMITH ROAD
MEDINA, OHIO 44256
(330) 723-9579
ATTN: AMY LYON-GALVIN

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.

THE FIBER OPTIC LINE OWNED BY FRONTIER COMMUNICATIONS WAS LOCATED ONLY USING INFORMATION PROVIDED BY THE OWNER. THE FIBER OPTIC LINE WAS NOT TRACEABLE.

ENVIRONMENTAL

THE CONTRACTOR WILL ADVISE THE ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE CLOSURES, AND/OR ROAD CLOSURES. THE ENGINEER WILL FORWARD THIS INFORMATION TO THE DISTRICT PUBLIC INFORMATION OFFICER (PIO) VIA PHONE AT 419-207-7182. THE PIO WILL IN TURN NOTIFY THE PUBLIC VIA MEDIA SOURCES.

THIS PROJECT IS WITHIN THE KNOWN SUMMER BREEDING RANGE OF THE FEDERAL ENDANGERED INDIANA BAT. UNAVOIDABLE CUTTING OF TREES DEFINED AS POTENTIAL HABITAT FOR THE INDIANA BAT (IE. LIVING OR STANDING DEAD TREES OR SNAGS WITH EXFOLIATING, PEELING OR LOOSE BARK, SPLIT TRUNKS AND/OR BRANCHES, OR CAVITITES) WILL BE PERFORMED ONLY BEFORE APRIL 1 OR AFTER SEPTEMBER 30 WHEN THE SPECIES WOULD NOT BE USING SUCH HABITAT.

ROUNDING

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

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

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

PROJECT CONTROL

POSITIONING METHOD: RTK GPS, OPUS
MONUMENT TYPE: "B"

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 1988
GEOID: UNKNOWN, LEVEL CIRCUIT RUN FROM PUBLISHED MEDINA COUNTY BENCHMARK "YO02"

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS 1980
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO NORTH (3401)
COMBINED SCALE FACTOR: 0.999895761 (GROUND TO GRID)
ORIGIN OF COORDINATE
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 SUPPLEMENTAL SPECIFICATION 823.

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 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"	13	0	13
30"	4	0	4

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	2,171 CU. YD.
659, REPAIR SEEDING AND MULCHING	978 SQ. YD.
659, INTER-SEEDING	978 SQ. YD.
659, COMMERCIAL FERTILIZER	2.73 TON
659, LIME	4.04 ACRES
659, WATER	108 M. GAL.
659, MOWING	44 M. SQ. FT.

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 THESE LIMITS.

ITEM 204 - GEOTEXTILE FABRIC

PREPARE AND SMOOTH OUT THE AREAS AND PLACE THE GEOTEXTILE FABRIC IN THE SPLITTER ISLANDS AND INSIDE THE ROUNDABOUT AS DETAILED IN THE PLANS.

ITEM 204 - PROOF ROLLING

THE CONTRACTOR SHALL PROTECT THE EXISTING UNDERGROUND WATER LINES AND AVOID PROOF ROLLING DIRECTLY OVER THESE LINES.

THE QUANTITY FOR PROOF ROLLING HAS BEEN CALCULATED AND SHOWN IN THE PAVEMENT CACLULATIONS AND SUBSUMMARY, SHEET 23

PRIMARY PROJECT CONTROL INFORMATION

POINT NUMBER	C/L OF RIGHT OF WAY			GRID COORDINATES U.S. SURVEY FEET		SCALED COORDINATES U.S. SURVEY FEET		ORTHOMETRIC HEIGHT (ELEVATION)	DESCRIPTION
	STATION	OFFSET	RT/LT	NORTHING	EASTING	NORTHING	EASTING		
803	932+79.37	20.15	RT	552144.693	2126755.930	552201.246	2126973.763		MAG NAIL SET
804	940+59.36	14.97	RT	552174.806	2125974.219	552231.363	2126191.972		5/8" REBAR SET WITH YELLOW STRUCTUREPOINT CONTOL CAP
805	950+74.07	16.43	RT	552171.963	2124959.614	552228.519	2125177.263		MAG NAIL SET
806	917+21.09	15.68	RT	550586.624	2126770.091	550643.018	2126987.925		5/8" REBAR SET WITH YELLOW STRUCTUREPOINT CONTOL CAP
807	925+02.73	20.99	LT	551367.691	2126724.080	551424.165	2126941.910		5/8" REBAR SET WITH YELLOW STRUCTUREPOINT CONTOL CAP
808	56+28.76*	15.15*	LT	552881.712	2126718.094	552938.341	2126935.923		MAG NAIL SET
809	63+83.47*	13.35*	RT	553636.429	2126744.161	553693.135	2126961.993		5/8" REBAR SET WITH YELLOW STRUCTUREPOINT CONTOL CAP
801	24+47.02*	13.10**	RT	552152.163	2128182.447	552208.717	2128400.426		MAG NAIL SET
802	17+80.17**	15.22**	LT	552179.475	2127515.625	552236.032	2127733.536		MAG NAIL SET
BM #YO02								1011.04	3.5" BRNZ DISK (YO02), IN ASPH PARKING AREA, S SIDE YORK CEMETARY (OFF-SITE)
TBM #83								977.42	"X" ON E BOLT OF FIRE HYD, W SIDE COLUMBIA RD, IN FRONT OF RES #3560
TBM #80								971.99	"X" ON S BOLT OF FIRE HYD, N SIDE OF CR 65, IN FRONT OF RES #6413
TBM#81								970.38	"X" ON SSW BOLT OF FIRE HYD, NE CORNER OF COLUMBIA RD & SPIETH RD
TBM #82								969.7	"X" ON SW BOLT OF FIRE HYD, N SIDE OF SR 57, AT SW PROP CORNER OF RES #6731
TBM #84								957.93	"X" ON SE BOLT OF FIRE HYD, W SIDE SR 252, AT NE PROP CORNER OF RES #3300

* STATION AND OFFSET BASED OFF OF ℄ SR 252 ** STATION AND OFFSET BASED OFF OF ℄ CR 65

CALCULATED MTL
CHECKED BER

GENERAL NOTES

MED-57-17.52

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. 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.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES VEGETATED BIOFILTERS AND VEGETATED FILTER STRIPS BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT. SEE SHEETS 84 - 88 FOR DETAILS.

CHANNEL EASEMENT

ALL EARTHWORK AND DRAINAGE WORK FOR THE CHANNEL EASEMENT SHALL BE COMPLETED PRIOR TO PERFORMING THE DRAINAGE ITEMS ON THE REST OF THE PROJECT. THIS WORK SHOULD NOT IMPACT TRAFFIC AND CAN BE COMPLETED PRIOR TO THE ROAD CLOSURE DATE SHOWN IN THE MAINTENANCE OF TRAFFIC NOTES. THE CONTRACTOR SHALL USE THE CHANNEL EASEMENT TO ACCESS THE WORK FOR THE CHANNEL.

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING 12 IN DIAMETER 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.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF 203, OR IT MAY BE REMOVED. 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.

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. SEE SHEETS 84 - 88 FOR DETAILED LOCATIONS OF WHERE AGGREGATE DRAINS SHALL BE INSTALLED.

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 - 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 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (446), AS PER PLAN
ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (448) (DRIVEWAYS), AS PER PLAN

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CARE SHALL BE TAKEN TO MATCH EXISTING PAVEMENT ELEVATIONS AT EXISTING PAVED BERMS, DRIVES, INTERSECTIONS, ETC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
MINIMUM TOTAL PG BINDER CONTENT IS 6.0 PERCENT.
USE A PG 64-22 BINDER.
MAXIMUM RECLAIMED ASPHALT CONCRETE PAVEMENT IS 20 PERCENT.
WHEN AN AGGREGATE SOURCE IS SPECIALLY DESIGNATED WITH AN SR ON THE AGGREGATE GRAVITY LIST DO NOT USE THE AGGREGATE EXCEPT AS ALLOWED FOR MEDIUM TRAFFIC IN THE GUIDELINES FOR MAINTAINING ADEQUATE PAVEMENT FRICTION IN SURFACE PAVEMENT.
QUALITY CONTROL: DO NOT PERFORM Nmax IN QUALITY CONTROL TESTING. DO NOT TAKE EXTRA ASPHALT BINDER SAMPLES AS OUTLINED IN CMS 442.05.

CALCULATED MTL
CHECKED BER

GENERAL NOTES

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ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), AS PER PLAN
ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448) (DRIVEWAYS), AS PER PLAN

THIS ITEM SHALL BE USED FOR CORRECTION OF CROWN, PROFILE AND ANY OTHER IRREGULARITIES.

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
USE A PG 64-22 BINDER.
MAXIMUM RECLAIMED ASPHALT CONCRETE PAVEMENT IS 30 PERCENT.
APPLY 703.05 FOR COARSE AND FINE AGGREGATE EXCEPT GRADATION FOR FINE AGGREGATE DOES NOT APPLY.
QUALITY CONTROL: DO NOT PERFORM Nmax IN QUALITY CONTROL TESTING. DO NOT TAKE EXTRA ASPHALT BINDER SAMPLES AS OUTLINED IN CMS 442.05.

ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED

THIS WORK SHALL CONSIST OF CONSTRUCTING THE CONCRETE INCLUDING A STAIN COLORING FOR THE ROUNDABOUT TRUCK APRON.

MATERIALS:
A. CONCRETE SHALL BE IN ACCORDANCE WITH THE PLANS AND SECTION 452 OF THE ODOT STANDARD SPECIFICATIONS. DO NOT COMPLY WITH THE REQUIREMENTS OF 451.14. CONCRETE SHALL BE CLASS QC1 WITH QC/QA.

B. THE CONCRETE COLOR SHALL BE "BRICK RED" AS MANUFACTURED BY BOMANITE OR APPROVED EQUAL; PHONE 303-369-1115, E-MAIL INFO@BOMANITE.COM, OR INTERNET WWW.BOMANITE.COM.

C. COLORED CONCRETE WILL BE AN INTEGRAL COLORING APPLICATION, WITH COLORING ADDITIVES MIXED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. MIX UNTIL COLOR ADDITIVES ARE UNIFORMLY DISPERSED THROUGHOUT MIXTURE. COLOR SHALL BE UNIFORM THROUGHOUT THE CONCRETE.

D. CURING COMPOUND FOR COLORED CONCRETE: CURING COMPOUND SHALL COMPLY WITH ASTM C309 AND BE APPROVED BY COLOR ADDITIVE MANUFACTURER FOR USE WITH COLORED CONCRETE. PROVIDE JS CLEAR COAT SEALER OR APPROVED EQUAL ON ALL SURFACES.

E. ADMIXTURES: DO NOT USE CALCIUM CHLORIDE ADMIXTURES.

CONSTRUCTION REQUIREMENTS:
A. PREPARE SUBGRADE AND INSTALL COLORED CONCRETE IN ACCORDANCE WITH THE PLANS AND SECTION 452 OF THE ODOT STANDARD SPECIFICATIONS, EXCEPT AS NOTED HEREIN.

B. FINISH: COLORED CONCRETE SHALL HAVE A BROOMED FINISH. PULL BROOM ACROSS FRESHLY FLOATED CONCRETE TO PRODUCE TEXTURE INDICATED IN STRAIGHT LINES PERPENDICULAR TO MAIN LINE OF TRAFFIC. DO NOT DAMPEN BROOMS. ROUNDABOUT TRUCK APRONS SHALL HAVE A LIGHT BROOM FINISH.

C. CURING: APPLY CURING COMPOUND FOR COLORED CONCRETE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. APPLY CURING COMPOUND AT CONSISTENT TIME FOR EACH POUR TO MAINTAIN CLOSE COLOR CONSITENCY.

D. PROTECT ADJACENT FINISHED SURFACES FROM SPLATTERS.

E. DO NOT ADD WATER TO CONCRETE AT JOB SITE, FOG OR SPRAY SURFACE WITH WATER, OR PUT INTO PUMPS OR ONTO TOOLS OR BROOMS.

F. DO NOT APPLY COLOR ADDITIVES MEANT FOR INTEGRAL COLORING TO SURFACE OF CONCTETE.

PAYMENT WILL INCLUDE THE COST OF FURNISHING AND PLACING ALL OF THE MATERIALS, FINISHING, AND TESTING. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE PER SQUARE YARD FOR ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED.

ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

THIS WORK SHALL CONSIST OF CONSTRUCTING THE COLORING AND JOINTING OF CONCRETE FOR THE SPLITTER ISLANDS.

MATERIALS:
A. CONCRETE SHALL BE IN ACCORDANCE WITH THE PLANS AND SECTION 609 OF THE ODOT STANDARD SPECIFICATIONS.

B. THE CONCRETE COLOR IS TO MATCH THE TRUCK APRON AND SHALL BE "BRICK RED" AS MANUFACTURED BY BROMANITE OR APPROVED EQUAL; PHONE 303-369-1115, E-MAIL INFO@BOMANITE.COM, OR INTERNET WWW. BOMANITE.COM.

C. COLORED CONCRETE WILL BE AN INTEGRAL COLORING APPLICATION, WITH COLORING ADDITIVES MIXED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. MIX UNTIL COLOR ADDITIVES ARE UNIFORMLY DISPERSED THROUGHOUT MIXTURE. COLOR SHALL BE UNIFORM THROUGHOUT THE CONCRETE.

D. CURING COMPOUND FOR COLORED CONCRETE: CURING COMPOUND SHALL COMPLY WITH ASTM C309 AND BE APPROVED BY COLOR ADDITIVE MANUFACTURER FOR USE WITH COLORED CONCRETE. PROVIDE JS CLEAR COAT SEALER OR APPROVED EQUAL ON ALL SURFACES.

E. ADMIXTURES: DO NOT USE CALCIUM CHLORIDE ADMIXTURES.

CONSTRUCTION REQUIREMENTS:
A. PREPARE SUBGRADE AND INSTALL COLORED CONCRETE IN ACCORDANCE WITH THE PLANS AND SECTION 609 OF THE ODOT STANDARD SPECIFICATIONS , EXCEPT AS NOTED HEREIN.

B. JOINTS SHALL BE TOOLED IN PATTERNS INDICATED ON PLANS, OR AS NOTED HEREIN. (PATTERN: BRICK RUNNING BOND). THE SPLITTER ISLANDS SHALL BE SCORED IN A 24-INCH RUNNING BOND PATTERN PERPENDICULAR TO THE REFERENCE LINE THAT THE SPLITTER ISLAND IS CONSTRUCTED.

C. TOOLED JOINTS: FORM JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOINT WITH GROOVING TOOL TO A 1/4-INCH RADIUS. REPEAT GROOVING OF CONSTRUCTION JOINTS AFTER APPLYING SURFACE FINISHES. ELIMINATE TOOL MARKS ON CONCRETE SURFACES. EDGES OF COLORED CONCRETE NOT CONTAINED BY STANDARD CONCRETE SHALL BE TOOLED IN THE SAME MANNER.

D. FINISH: COLORED CONCRETE SHALL HAVE A BROOMED FINISH. PULL BROOM ACROSS FRESHLY FLOATED CONCRETE TO PRODUCE TEXTURE INDICATED IN STRAIGHT LINES PERPENDICULAR TO MAIN LINE OF TRAFFIC. DO NOT DAMPEN BROOMS. ROUNDABOUT TRUCK APRONS SHALL HAVE A LIGHT BROOM FINISH.

E. CURING: APPLY CURING COMPOUND FOR COLORED CONCRETE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. APPLY CURING COMPOUND AT CONSISTENT TIME FOR EACH POUR TO MAINTAIN CLOSE COLOR CONSISTENCY.

F. PROTECT ADJACENT FINISHED SURFACES FROM SPLATTERS.

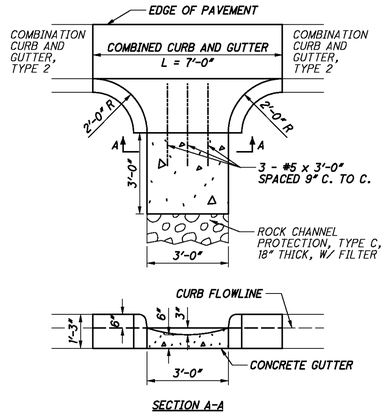
G. DO NOT ADD WATER TO CONCRETE AT JOB SITE, FOG OR SPRAY SURFACE WITH WATER, OR PUT INTO PUMPS OR ONTO TOOLS OR BROOMS.

H. DO NOT APPLY COLOR ADDITIVES MEANT FOR INTEGRAL COLORING TO SURFACE OF CONCRETE.

PAYMENT WILL INCLUDE THE COST OF FURNISHING AND PLACING ALL OF THE MATERIALS, FINISHING, AND TESTING. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE PER SQUARE YARD FOR ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED.

ITEM 609 - CURB MISC.: COMBINED CURB AND GUTTER TURNOUT

THIS ITEM SHALL BE CONSTRUCTED AS PER DETAILS BELOW. ALL LABOR, MATERIALS, AND INCIDENTALS NECESSARY TO CONSTRUCT A COMPLETE TURNOUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 609 - CURB MISC.: COMBINED CURB AND GUTTER TURNOUT.



ITEM 657 - RIPRAP FOR TREE PROTECTION, AS PER PLAN

THIS WORK CONSISTS OF FURNISHING AND PLACING RIPRAP ON TOP OF THE GEOTEXTILE FABRIC WITHIN THE CIRCLE AREA OF THE ROUNDABOUT AS SHOWN IN THE PLANS.

MATERIALS:
USE A NON-CRUSHED NATURAL ROCK GRAVEL. LIMESTONE IS NOT ACCEPTABLE. THE SOUNDNESS REQUIREMENTS OF 657.02 ARE WAIVED. THE GRADATION REQUIRED WILL BE 100% PASSING A 6" SIEVE AND 0% PASSING A 3" SIEVE. PLACE STONES IN A 6" LIFT. MANUAL PLACING REQUIREMENTS PER 657.05 IS WAIVED.

METHOD OF MEASUREMENT AND PAYMENT:
THE GEOTEXTILE FABRIC IS PAID SEPARATE AND UNDER ITEM 204 GEOTEXTILE FABRIC. MEASUREMENT AND PAYMENT FOR THE GRAVEL MATERIAL SHALL BE BY THE SQUARE YARD, COMPLETE IN PLACE AND ACCEPTED BY THE ENGINEER AS PER ITEM 657 - RIPRAP FOR TREE PROTECTION , AS PER PLAN.

CALCULATED MTL
CHECKED BER

GENERAL NOTES

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ITEM 625 - POWER SERVICE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOLLOWING IS ADDED.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:

OHIO EDISON
6326 LAKE AVENUE
ELYRIA, OHIO 44035
(440)-326-3231
ATTN: CHUCK BLAZINA

THE ENGINEER SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN THE NAME OF AND THAT THE BILLING ADDRESS IS TO THE MAINTAINING AGENCY NOTED IN THE PLANS. THIS SHALL BE DONE NOT ONLY FOR EACH NEW POWER SERVICE ESTABLISHED BY THIS PROJECT BUT ALSO FOR EACH EXISTING POWER SERVICE, SINCE THERE MAY BE A REASSIGNMENT OF THE RESPONSIBILITY FOR AN EXISTING SERVICE AS A RESULT OF THE WORK PERFORMED BY THIS PROJECT.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH CMS ITEM 625, "POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

ITEM 625 - CONNECTION, UNFUSED PERMANENT, AS PER PLAN

THIS WORK SHALL CONSIST OF CONNECTING EXISTING LOOP DETECTOR WIRE OR LEAD-IN CABLE TO NEW LOOP DETECTOR LEAD-IN CABLE WHETHER THAT CABLE IS UNDERGROUND OR AERIAL. FURNISH AND INSTALL A SPLICE KIT CONFORMING TO THE REQUIREMENTS OF 625.18 AND 725.15E. IN ADDITION, THE SPLICE KIT SHALL HAVE A RIGID TRANSPARENT SPLICE ENCLOSURE AND THE EPOXY USED SHALL BE NON-SHRINKING.

THIS ITEM IS ONLY NEEDED WHEN A TIE-IN SITUATION EXISTS WHERE AN EXISTING CABLE IS SPLICED TO A NEW CABLE. WHEN ALL NEW LEAD-IN WIRE IS SPECIFIED IN THE PLAN, THIS ITEM OF WORK IS NOT REQUIRED.

PAYMENT FOR THIS ITEM SHALL INCLUDE ALL NECESSARY LABOR, MATERIAL, AND EQUIPMENT REQUIRED TO PROVIDE FOR ITEM 625 - CONNECTION, UNFUSED PERMANENT, AS PER PLAN. BASIS OF PAYMENT WILL BE AT CONTRACT BID PRICE PER EACH.

ITEM 625 - LUMINAIRE, CONVENTIONAL (200W, TYPE II)

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LUMINAIRES FOR CONVENTIONAL LIGHTING UNITS SHALL BE AS FOLLOWS:

LUMINAIRES FOR CONVENTIONAL LIGHTING UNITS WITH AN IES II-M-SC DISTRIBUTION AND 200 WATT HIGH PRESSURE SODIUM LAMPS SHALL BE AMERICAN ELECTRIC "SERIES 126" WITH PHOTOMETRIC DISTRIBUTION AE3849I, COOPER "OVD" WITH PHOTOMETRIC DISTRIBUTION OVD2S2F, GENERAL ELECTRIC "M-400" WITH PHOTOMETRIC DISTRIBUTION 1014, OR EQUAL AS APPROVED BY THE ENGINEER.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH CMS ITEM 625, "LUMINAIRE, CONVENTIONAL" FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

LAMPS

HIGH PRESSURE SODIUM LAMPS SHALL BE GENERAL ELECTRIC "LUCALOX," OSRAM SYLVANIA "LUMALUX," PHILIPS "CERAMALUX," OR EQUAL APPROVED BY THE ENGINEER.

CONDUIT EXPANSION AND DEFLECTION

EXPANSION FITTINGS SHALL BE OZ TYPE AX, CROUSE HINDS TYPE XJG, APPLETON TYPE AX, OR EQUAL APPROVED BY THE ENGINEER. EACH EXPANSION FITTING SHALL PROVIDE EITHER 4 OR 8 INCHES TOTAL MOVEMENT AS SPECIFIED BY THE PLAN DETAILS AND SHALL HAVE AN EXTERNAL COPPER BONDING JUMPER, UNLESS SPECIFIED OTHERWISE BY THE PLAN DETAILS.

DEFLECTION COUPLINGS SHALL BE OZ TYPE DX, CROUSE HINDS TYPE XD, APPLETON TYPE DF, OR EQUAL APPROVED BY THE ENGINEER. EACH DEFLECTION COUPLING SHALL HAVE AN EXTERNAL COPPER BONDING JUMPER, UNLESS SPECIFIED OTHERWISE BY THE PLAN DETAILS.

PADLOCKS AND KEYS

PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNAN 660A, AND SHALL BE KEYED IN ACCORDANCE WITH CMS 631.06. PAYMENT SHALL BE INCLUDED IN THE BID FOR THE ITEM(S) BEING LOCKED.

ITEM 625 - PULL BOX, 725.08, 18", AS PER PLAN

THIS ITEM SHALL BE PER CMS 625.11 & 725.08 AND SCD HL-30.11 WITH THE FOLLOWING EXCEPTIONS: COVER SCREWS SHALL BE 1/4" STAINLESS STEEL MACHINE SCREWS WITH COUNTERSUNK SLOTTED HEADS. EACH SCREW SHALL FASTEN TO THE PULL BOX BY USE OF A THREADED METAL CLIP (U-NUT CAGE STYLE). MULTI-THREAD CLIPS WITH INTEGRAL NUT SHALL NOT BE USED. THE METAL CLIP SHALL BE CORROSION RESISTANT AND BE LUBRICATED PRIOR TO FASTENING. THREADED INSERTS EMBEDDED IN CONCRETE SHALL NOT BE PERMITTED.

PAYMENT WILL BE MADE AT CONTRACT UNIT PRICE PER EACH.

UNDERDRAIN FOR PULL BOXES

REFERENCE IS MADE TO STANDARD DRAWING HL-30.11 FOR DETAILS OF DRAINING PULL BOXES. UNDERDRAINS FOR PULL BOXES SHALL BE USED AS DIRECTED BY THE ENGINEER AND SHALL BE PROVIDED WHERE THE LENGTH REQUIRED FOR A SATISFACTORY OUTLET DOES NOT EXCEED APPROXIMATELY 20 FEET. LONGER LENGTHS MAY BE REQUIRED AT CRITICAL PULL BOXES WHEN DIRECTED BY THE ENGINEER.

WHEN UNDERDRAINS ARE OUTLETTED THRU THE SIDE OF A SLOPE EMBANKMENT, THE END OF THE PIPE SHALL BE CUTOFF AND SMASHED DOWN APPROXIMATELY 12" INTO THE SLOPE. THE EXCAVATED AREA SURROUNDING THE OUTLET SHALL THEN BE BACKFILLED WITH WASHED NO. 8 LIMESTONE AGGREGATE OR GRAVEL.

PAYMENT FOR UNDERDRAINS WILL BE MADE AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR ITEM 611, 4" CONDUIT, TYPE E. THE FOLLOWING ESTIMATED QUANTITY IS CARRIED TO THE TRAFFIC SIGNAL GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 611, 4" CONDUIT, TYPE E	100 FT

CALCULATED MTL
CHECKED AMJ

GENERAL NOTES

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ITEM 614 - MAINTAINING TRAFFIC

THE CONTRACTOR WILL BE RESPONSIBLE FOR ESTABLISHING; ERECTING AND MAINTAINING THE DETOUR ROUTE. NOTICE OF CLOSURE SIGNS WILL BE ERECTED BY THE CONTRACTOR AT LEAST ONE WEEK IN ADVANCE OF THE CLOSURE. ACCESS TO LOCAL PROPERTIES WILL BE AVAILABLE AT ALL TIMES. ADDITIONALLY, THE CONTRACTOR WILL COORDINATE THE DETOUR WITH ALL APPROPRIATE EMERGENCY SERVICES AND LOCAL OFFICIALS.

TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES USING FLAGGERS EXCEPT WHEN THE DETOURS ARE IN EFFECT.

NO DETOURS ARE ALLOWED UNTIL AFTER THE SCHOOL YEAR IS FINISHED FOR THE SUMMER WHICH IS APPROXIMATELY JUNE 5, 2015. ALL DETOURS TIME FRAMES ARE LIMITED DUE TO THE NEARBY SCHOOL LOCATED JUST TO THE NORTH OF THE PROJECT. THE CONTRACTOR IS TO CHECK WITH THE LOCAL SCHOOL TO DETERMINE THE EXACT DATE.

NOTICE OF CLOSURE SIGNS, AS DETAILED IN THESE PLANS, SHALL BE ERECTED BY THE CONTRACTOR AT LEAST ONE WEEK IN ADVANCE OF THE SCHEDULED ROAD OR RAMP CLOSURE. THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP 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 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.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN ON SHEET 14

AN INTERIM COMPLETION DATE OF AUGUST 15, 2015 WILL BE IN EFFECT WHEN ALL LANES OF TRAFFIC ON ALL ROADWAYS SHALL BE OPEN FOR USE.

AT A MINIMUM THE PAVEMENT, PERMANENT PAVEMENT MARKINGS, CURBING, SIGNAGE, LIGHTING AND LANDSCAPING SHALL BE IN PLACE AND FUNCTIONAL PRIOR TO OPENING THE LANES TO TRAFFIC.

THE FINAL CLEANUP, SEEDING AND MULCHING, AND RPM'S MAY BE COMPLETED AFTER AUGUST 15, 2015. IF THE CONTRACTOR FAILS TO MEET THESE LIMITATIONS, THEN FOR EACH CALENDAR DAY BEYOND THE AUGUST 15, 2015 INTERIM COMPLETION DATE THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE OF $2,500 PER CALENDAR DAY.

THE CONTRACTOR IS TO NOTIFY THE ENGINEER AND THE FOLLOWING AGENCIES IN WRITING A MINIMUM OF FOURTEEN (14) CALENDAR DAYS IN ADVANCE OF THE DATE THE DETOURS WILL BE IMPLEMENTED:

LOCAL SCHOOLS
TOWNSHIP
LOCAL FIRE DEPARTMENT
COUNTY SHERIFF
OHIO STATE HIGHWAY PATROL
MEDINA COUNTY ENGINEER

THIS LIST MAY NOT BE ALL INCLUSIVE AND IF THERE ARE ANY REVISIONS WILL BE PROVIDED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF DRIVEWAY ACCESS DURING CONSTRUCTION.

ITEM 410, TRAFFIC COMPACTED SURFACE,
TYPE A OR B 125 CU. YD.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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.

MAINTENANCE OF LOCAL DETOUR ROUTE

A LOCAL DETOUR ROUTE, OTHER THAN THE OFFICIAL SIGNED ODOT DETOUR ROUTE, WILL BE SELECTED BY AGREEMENT BETWEEN ODOT AND LOCAL GOVERNMENTAL AGENCIES PRIOR TO THE HIGHWAY CLOSURE.

DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DIRECTED BY THE ENGINEER. THE DESIGNATED LOCAL DETOUR ROUTE IS TO BE REVIEWED AND REPAIRED PRIOR TO THE ASPHALT CONTRACTOR OR SUBCONTRACTOR LEAVING THE PROJECT.

PAYMENT FOR THE WORK NECESSARY TO REPAIR THESE LOCAL ROADS WILL BE PERFORMED BY EITHER CHANGE ORDER OR FORCE ACCOUNT.

ITEM 614 - DETOUR SIGNING

THE CONTRACTOR SHALL PROVIDE, SET UP, MAINTAIN, AND REMOVE THE DETOUR SIGNS.

ALL COSTS ASSOCIATED TO PROVIDE, SET UP, MAINTAIN, AND REMOVE THE DETOUR SIGNS SHALL BE PAID UNDER THE LUMP SUM OF ITEM 614 DETOUR SIGNING.

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 31 M. GAL

CALCULATED MTL
CHECKED BER

NOTICE OF TRAFFIC GENERAL NOTES

MAINTENANCE

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DETOUR (A OR B) 57 252 → M4-8-24 M1-5-24-2 M1-5-30-3 M6-3-21 (2)

DETOUR (A OR B) 57 252 → M4-8-24 M1-5-24-2 M1-5-30-3 M6-1R-21 (3)

DETOUR (A OR B) 57 252 → M4-8-24 M1-5-24-2 M1-5-30-3 M5-1R-21 (4)

DETOUR AHEAD W20-2-36 (1)

NORTH M3-1-24 (A)

SOUTH M3-3-24 (B)

DETOUR (A OR B) 57 252 → M4-8-24 M1-5-24-2 M1-5-30-3 (5)

DETOUR (A OR B) 57 → M4-8-24 M1-5-24-2 M6-3-21 (6)

DETOUR 252 → M4-8-24 M1-5-30-3 M5-1R-21 (7)

DETOUR 252 → M4-8-24 M1-5-30-3 M6-1R-21 (8)

DETOUR 252 → M4-8-24 M1-5-30-3 (9)

DETOUR (A OR B) 57 → M4-8-24 M1-5-24-2 M5-1R-21 (10)

DETOUR (A OR B) 57 → M4-8-24 M1-5-24-2 M6-1R-21 (11)

DETOUR (A OR B) 57 252 → M4-8-24 M1-5-24-2 M1-5-30-3 M5-1L-21 (12)

DETOUR (A OR B) 57 252 → M4-8-24 M1-5-24-2 M1-5-30-3 M6-1L-21 (13)

DETOUR (A OR B) 252 → M4-8-24 M1-5-30-3 M6-3-21 (14)

DETOUR SPIETH RD → M4-8-24 D3-1 M5-1R-21 (15)

DETOUR SPIETH RD → M4-8-24 D3-1 M6-1R-21 (16)

DETOUR COLUMBIA RD → M4-8-24 D3-1 M5-1R-21 (17)

DETOUR COLUMBIA RD → M4-8-24 D3-1 M6-1R-21 (18)

DETOUR COLUMBIA RD → M4-8-24 D3-1 M5-1L21 (19)

DETOUR COLUMBIA RD → M4-8-24 D3-1 M6-1L21 (20)

DETOUR SPIETH RD → M4-8-24 D3-1 M5-1L-21 (21)

DETOUR SPIETH RD → M4-8-24 D3-1 M6-1L-21 (22)

DETOUR COLUMBIA RD SPIETH RD → M4-8-24 D3-1 (2) M5-1L-21 (23)

DETOUR COLUMBIA RD SPIETH RD → M4-8-24 D3-1 (2) M6-1L-21 (24)

DETOUR COLUMBIA RD SPIETH RD → M4-8-24 D3-1 (2) M5-1R-21 (25)

DETOUR COLUMBIA RD SPIETH RD → M4-8-24 D3-1 (2) M6-1R-21 (26)

ROAD CLOSED 0.9 MILES AHEAD LOCAL TRAFFIC ONLY DETOUR ← R11-3A-60 M4-10L-48 (27)

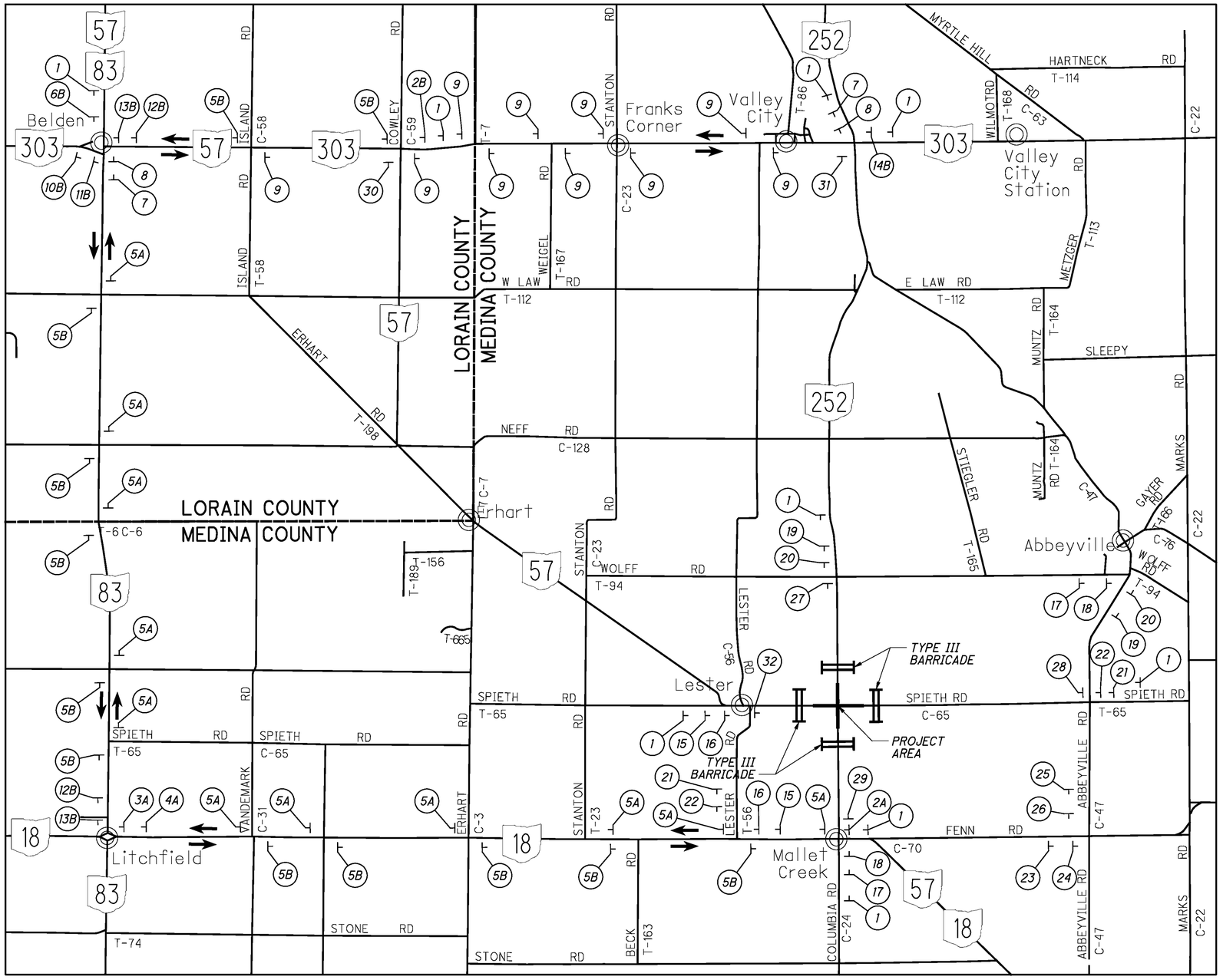
ROAD CLOSED 1.8 MILES AHEAD LOCAL TRAFFIC ONLY DETOUR ← R11-3A-60 M4-10L-48 (28)

ROAD CLOSED 0.9 MILES AHEAD LOCAL TRAFFIC ONLY R11-3A-60 (29)

ROAD CLOSED 5.8 MILES AHEAD LOCAL TRAFFIC ONLY DETOUR → R11-3A-60 M4-10R-48 (30)

ROAD CLOSED 4.0 MILES AHEAD LOCAL TRAFFIC ONLY DETOUR → R11-3A-60 M4-10R-48 (31)

ROAD CLOSED 0.6 MILES AHEAD LOCAL TRAFFIC ONLY R11-3A-60 (32)



MAINTENANCE OF TRAFFIC DETOUR MAP

CALCULATED MTL CHECKED BER

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SHEET NUMBER								PARTICIPATION				ALT.	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
9-13	19	20	23	73	78	79	103	01/SAF/PV	02/SAF/OT			(X)						
																	ROADWAY	
								LUMP					201	11000	LUMP		CLEARING AND GRUBBING	
13								13					201	21800	13	EACH	TREE REMOVED, 18" SIZE	
4								4					201	23000	4	EACH	TREE REMOVED, 30" SIZE	
				261				261					202	23000	261	SQ YD	PAVEMENT REMOVED	
			10373	205				10578					202	23010	10578	SQ YD	PAVEMENT REMOVED, ASPHALT	
	1288							1288					202	35100	1288	FT	PIPE REMOVED, 24" AND UNDER	
	1							1					202	58100	1	EACH	CATCH BASIN REMOVED	
	2116							2116					202	75000	2116	FT	FENCE REMOVED	
	7258			73				7331					203	10000	7331	CU YD	EXCAVATION	
	7851			212				8063					203	20000	8063	CU YD	EMBANKMENT	
			14407	1160				15567					204	10000	15567	SQ YD	SUBGRADE COMPACTION	
	1119							1119					204	13000	1119	CU YD	EXCAVATION OF SUBGRADE	
			6					6					204	45000	6	HOUR	PROOF ROLLING	
			3988					3988					206	10010	3988	SQ YD	LIME STABILIZED SUBGRADE, 12 INCHES DEEP	
			99					99					206	10300	99	TON	LIME	
			3988					3988					206	11000	3988	SQ YD	CURING COAT	
			5					5					206	20000	5	HOUR	TEST ROLLING	
							5	5					623	40500	5	EACH	REFERENCE MONUMENT	
	30							30					SPECIAL	20270000	30	FT	FILL AND PLUG EXISTING CONDUIT	10
	10							10					SPECIAL	69050350	10	EACH	MAILBOX REMOVED AND RESET	10
																	EROSION CONTROL	
	41				3	3		47					601	32200	47	CU YD	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
2								2					659	00100	2	EACH	SOIL ANALYSIS TEST	
2171								2171					659	00300	2171	CU YD	TOPSOIL	
	19555							19555					659	10000	19555	SQ YD	SEEDING AND MULCHING	
978								978					659	14000	978	SQ YD	REPAIR SEEDING AND MULCHING	
978								978					659	15000	978	SQ YD	INTER-SEEDING	
2.73								2.73					659	20000	2.73	TON	COMMERCIAL FERTILIZER	
4.04								4.04					659	31000	4.04	ACRE	LIME	
108								108					659	35000	108	M GAL	WATER	
44								44					659	40000	44	M SQ FT	MOWING	
		1043						1043					670	00500	1043	SQ YD	SLOPE EROSION PROTECTION	
		594						594					670	00700	594	SQ YD	DITCH EROSION PROTECTION	
		1178						1178					670	00710	1178	SQ YD	DITCH EROSION PROTECTION MAT, TYPE A	
								LUMP					832	15000	LUMP		STORM WATER POLLUTION PREVENTION PLAN	
								12000					832	30000	12000	EACH	EROSION CONTROL	
																	DRAINAGE	
		0.21			1.32	2.46		3.99					602	20000	3.99	CU YD	CONCRETE MASONRY	
		5116						5116					605	06000	5116	FT	4" BASE PIPE UNDERDRAINS	
		362						362					605	31100	362	FT	AGGREGATE DRAINS	
100								100					611	00400	100	FT	4" CONDUIT, TYPE E	
		130						130					611	00410	130	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	
		250						250					611	04600	250	FT	12" CONDUIT, TYPE C	
		349						349					611	04900	349	FT	12" CONDUIT, TYPE D	
						300		300					611	04900	300	FT	12" CONDUIT, TYPE D, 707.45	
					96			96					611	05700	96	FT	15" CONDUIT, TYPE A	
					88	97		185					611	08700	185	FT	21" CONDUIT, TYPE A	

CALCULATED NRV
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GENERAL SUMMARY

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SHEET NUMBER								PARTICIPATION				ALT.	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
19	20	21	23	73	98			01/SAF/PV	02/SAF/OT			(X)						
	1							1					611	98390	1	EACH	CATCH BASIN, NO. 7	
	1							1					611	98470	1	EACH	CATCH BASIN, NO. 2-2B	
	7							7					611	99710	7	EACH	PRECAST REINFORCED CONCRETE OUTLET	
																	PAVEMENT	
			2068					2068					301	46000	2068	CU YD	ASPHALT CONCRETE BASE, PG64-22	
			2879	137				3016					304	20000	3016	CU YD	AGGREGATE BASE	
			921					921					407	10000	921	GALLON	TACK COAT	
			488	5				493					407	14000	493	GALLON	TACK COAT FOR INTERMEDIATE COURSE	
			471					471					442	00201	471	CU YD	ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (446), AS PER PLAN	10
			656					656					442	10101	656	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446), AS PER PLAN	11
				30				30					442	10511	30	CU YD	ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (448) (DRIVEWAYS), AS PER PLAN	10
				6				6					442	20215	6	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448) (DRIVEWAYS), AS PER PLAN	11
				201				201					452	10010	201	SQ YD	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	
				18				18					452	12010	18	SQ YD	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	
			356					356					452	19200	356	SQ YD	NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED	8, 11
2793								2793					609	12000	2793	FT	COMBINATION CURB AND GUTTER, TYPE 2	
358								358					609	22001	358	FT	CURB, TYPE 3-B, AS PER PLAN 1	8
200								200					609	22001	200	FT	CURB, TYPE 3-B, AS PER PLAN 2	8
3409								3409					609	26000	3409	FT	CURB, TYPE 6	
			2938					2938					609	54001	2938	SQ YD	6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED	11
11								11					609	98100	11	EACH	CURB, MISC.: COMBINED CURB AND GUTTER TURNOUT	11
																	WATER WORK	
		4						1	3				638	10400	4	EACH	FIRE HYDRANT ADJUSTED TO GRADE	
		7						2	5				638	10800	7	EACH	VALVE BOX ADJUSTED TO GRADE	
																	LIGHTING	
					12			12					625	00450	12	EACH	CONNECTION, FUSED PULL APART	
					12			12					625	00460	12	EACH	CONNECTION, UNFUSED PULL APART	
					8			8					625	00481	8	EACH	CONNECTION, UNFUSED PERMANENT, AS PER PLAN	12
					12			12					625	10490	12	EACH	LIGHT POLE, CONVENTIONAL (DESIGN NO. AT5B35)	
					12			12					625	14000	12	EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP	
					12			12					625	17900	12	EACH	BRACKET ARM	
					597			597					625	23200	597	FT	NO. 4 AWG 5000 VOLT DISTRIBUTION CABLE	
					1008			1008					625	23400	1008	FT	NO. 10 AWG POLE AND BRACKET CABLE	
					1987			1987					625	24320	1987	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 5000 VOLT CABLES	
					169			169					625	25900	169	FT	CONDUIT, JACKED OR DRILLED, 3"	
					12			12					625	26250	12	EACH	LUMINAIRE, CONVENTIONAL (200W, TYPE II)	12
					1857			1857					625	29002	1857	FT	TRENCH, 24" DEEP	
					4			4					625	30701	4	EACH	PULL BOX, 725.08, 18", AS PER PLAN	12
					12			12					625	32000	12	EACH	GROUND ROD	
					1			1					625	34001	1	EACH	POWER SERVICE, AS PER PLAN	12
					2026			2026					625	36000	2026	FT	PLASTIC CAUTION TAPE	

CALCULATED NRV
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GENERAL SUMMARY

MED-57-17.52

SHEET NUMBER								PARTICIPATION				ALT.	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
13	89	92	100					01/SAF/PV	02/SAF/OT			(X)						
																	TRAFFIC CONTROL	
		1						1					202	98100	1	EACH	REMOVAL MISC.: MEMORY LANE FARM SIGN	
	40							40					621	00100	40	EACH	RPM	
	46							46					621	54000	46	EACH	RAISED PAVEMENT MARKER REMOVED	
		347.0						347.0					630	02100	347.0	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
		320.4						320.4					630	03100	320.4	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
		97.3						97.3					630	04100	97.3	FT	GROUND MOUNTED SUPPORT, NO. 4 POST	
		22						22					630	08600	22	EACH	SIGN POST REFLECTOR	
		392.9						392.9					630	80100	392.9	SQ FT	SIGN, FLAT SHEET	
		58						58					630	84900	58	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
		31						31					630	86002	31	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
		1						1					630	87500	1	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	
	1.58							1.58					644	00100	1.58	MILE	EDGE LINE, 4"	
	0.54							0.54					644	00300	0.54	MILE	CENTER LINE	
	404							404					644	00700	404	FT	TRANSVERSE/DIAGONAL LINE	
	173							173					644	01520	173	FT	DOTTED LINE, 12"	94
	65							65					644	20800	65	FT	YIELD LINE	94
																	LANDSCAPING	
			723					723					204	50000	723	SQ YD	GEOTEXTILE FABRIC	
			723					723					657	10001	723	SQ YD	RIPRAP FOR TREE PROTECTION, AS PER PLAN	11
			8					8					661	00500	8	CU YD	MULCH	
			28					28					661	19000	28	EACH	DECIDUOUS SHRUB, 12" HEIGHT: RHUS AROMATICA	
			6					6					661	50040	6	EACH	EVERGREEN TREE, 2' HEIGHT: PINUS MUGO	
																	MAINTENANCE OF TRAFFIC	
125								125					410	12000	125	CU YD	TRAFFIC COMPACTED SURFACE, TYPE A OR B	
								LUMP					614	12420	LUMP		DETOUR SIGNING	13
31								31					616	10000	31	M GAL	WATER	
																	INCIDENTALS	
								LUMP					614	11000	LUMP		MAINTAINING TRAFFIC	
								4					619	16010	4	MONTH	FIELD OFFICE, TYPE B	
								LUMP					623	10000	LUMP		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
								LUMP					624	10000	LUMP		MOBILIZATION	

CALCULATED NRV
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GENERAL SUMMARY

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SHEET NO.	REFERENCE. NO.	STATION		202	202	202	203	203	204	601	609	609	609	609	609	659	SPECIAL	SPECIAL				
				PIPE REMOVED, 24" AND UNDER	CATCH BASIN REMOVED	FENCE REMOVED	EXCAVATION	EMBANKMENT	EXCAVATION OF SUBGRADE	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 3-B, AS PER PLAN 1	CURB, TYPE 3-B, AS PER PLAN 2	CURB, TYPE 6	CURB MISC.; COMBINED CURB AND GUTTER TURNOUT	SEEDING AND MULCHING	FILL AND PLUG EXISTING CONDUIT	MAILBOX REMOVED AND RESET				
		FROM	TO	LIN FT	EACH	LIN FT	CY YD	CY YD	CY YD	CY YD	LIN FT	LIN FT	LIN FT	LIN FT	EACH	SQ YD	LIN FT	EACH				
26	C1	927+37	141+26 (SW)								381											
26	C2	929+92	150+05 (SE)								127											
26	C3	927+35	931+91											911								
26	C4	62+94 (SR)	63+44 (SR)										50									
27	C5	931+21	-							4.13					1							
27	C6	141+34 (SW)	935+27								290											
27	C7	931+20	-							2.30					1							
27	C8	150+12 (SE)	152+13 (SE)								201											
27	C9	ROUNDABOUT	-									358										
27	C10	ROUNDABOUT	-											289								
27	C11	933+69	937+28											709								
27	C12	80+78 (WL)	81+28 (WL)										50									
27	C13	160+10 (NW)	50+97								305											
27	C14	49+57	53+07											703								
27	C15	170+10 (NE)	172+92 (NE)								282											
27	C16	10+75	11+92											240								
27	R1	932+47	933+43	25																		
27	R2	10+24	10+26	49																		
27	R3	932+98	934+50	170	1																	
27	R4	50+00	934+50			154																
28	C17	934+87	-							3.60					1							
28	C18	160+00 (NW)	160+03 (NW)								3											
28	C19	935+30	-							3.18					1							
28	C20	935+34	936+46								113											
28	C21	936+50	-							3.16					1							
28	C22	936+53	938+00								147											
28	MB1	937+70	-															1				
28	R1	934+50	939+50	500																		
28	R2	934+50	939+50	17																		
28	R3	934+50	934+79			49																
28	R4	935+10	936+31			121																
28	R5	936+50	937+55			105																
28	R6	935+10	936+31			134																
28	R7	939+04	939+50			50																
29	MB2	939+54	-															1				
29	MB3	941+28	-															1				
29	R1	939+50	941+55	205																		
29	R2	939+50	940+93			143																
30	C23	100+68 (NL)	101+18 (NL)										50									
30	C24	51+00	-							4.56					1							
30	C25	51+04	52+59								156											
30	C26	51+50	-							4.40					1							
30	C27	160+00 (NE)	160+03 (NE)								3											
30	R1	50+00	52+50			286																
SHEET TOTALS CARRIED TO SHEET 19				966	1	1042	0	0	0	25	2008	358	150	2852	7	0	0	3				

CALCULATED MTL
CHECKED VDK

ROADWAY SUBSUMMARY

MED-57-17.52

SHEET NO.	REFERENCE. NO.	STATION		202	202	202	203	203	204	601	609	609	609	609	609	659	SPECIAL	SPECIAL				
				PIPE REMOVED, 24" AND UNDER	CATCH BASIN REMOVED	FENCE REMOVED	EXCAVATION	EMBANKMENT	EXCAVATION OF SUBGRADE	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 3-B, AS PER PLAN 1	CURB, TYPE 3-B, AS PER PLAN 2	CURB, TYPE 6	CURB MISC.; COMBINED CURB AND GUTTER TURNOUT	SEEDING AND MULCHING	FILL AND PLUG EXISTING CONDUIT	MAILBOX REMOVED AND RESET				
		FROM	TO	LIN FT	EACH	LIN FT	CY YD	CY YD	CY YD	CY YD	LIN FT	LIN FT	LIN FT	LIN FT	EACH	SQ YD	LIN FT	EACH				
31	C28	52+63	-							4.34					1							
31	C29	52+66	54+11								145											
31	R1	52+63	52+78	35																		
31	R2	53+20	53+40	20																		
31	R3	54+92	55+16	24																		
31	R4	56+45	56+68	24																		
31	R5	52+50	55+89			364																
31	R6	54+86	55+25			33																
31	MB1	53+47	-															1				
31	MB2	55+23	-															1				
31	MB3	56+36	-															1				
31	MB4	56+39	-															1				
33	C30	120+66 (EL)	121+16 (EL)										50									
33	C31	11+18	-							4.87					1							
33	C32	11+22	12+47								129											
33	C33	11+48	-							4.91					1							
33	C34	152+20 (SE)	154+07 (SE)								188											
33	C35	12+50	-							1.90					1							
33	C36	12+54	15+76								323											
33	C37	12+12	14+81											557								
33	R1	11+89	12+14	25																		
33	R2	11+90	12+26			63																
33	R3	13+16	13+32	16																		
33	R4	13+29	13+50			21																
33	MB1	11+85	-															1				
34	R1	17+60	17+84	25																		
34	R2	13+50	18+50			500																
34	MB1	14+88	-															1				
34	MB2	17+51	-															1				
35	R1	19+40	20+11	83													10					
35	R2	18+50	19+43			93																
80	R1	203+25	205+00	70													20					
		SR 57 / SR 252																				
42-48		924+50	934+25				1426	3562	392							4551						
		SR 57																				
49-54		934+50	941+50				1242	1011	107							3714						
		SR 252																				
55-61		49+75	57+50				850	2450	273							4283						
		CR 65																				
62-69		11+00	19+50				2009	828	347							3837						
		OFF-SITE DITCH																				
82-83		200+50	210+50				1731	0								3170						
SHEET TOTALS				322	0	1074	7258	7851	1119	16	785	0	50	557	4	19555	30	7				
SHEET TOTALS FROM SHEET 18				966	1	1042	0	0	0	25	2008	358	150	2852	7	0	0	3				
TOTALS CARRIED TO GENERAL SUMMARY				1288	1	2116	7258	7851	1119	41	2793	358	200	3409	11	19555	30	10				

CALCULATED MTL
CHECKED VDK

ROADWAY SUBSUMMARY

MED-57-17.52

SHEET NO.	REFERENCE. NO.	ROADWAY	STATION	SIDE	OFFSET	INVERT	STATION	SIDE	OFFSET	INVERT	OUTLET TYPE	602	605	605	611	611	611	611	611	611	670	670	670	BENDS AND BRANCHES (FOR INFORMATION ONLY)			
												CONCRETE MASONRY	4" BASE PIPE UNDERDRAINS	AGGREGATE DRAINS	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	12" CONDUIT TYPE C	12" CONDUIT TYPE D	CATCH BASIN, NO. 7	CATCH BASIN, NO. 2-2B	PRECAST REINFORCED CONCRETE OUTLET	SLOPE EROSION PROTECTION	DITCH EROSION PROTECTION	DITCH EROSION PROTECTION MAT, TYPE A				
			FROM				TO																	PLUG	TEE	45 ELL	18.5 ELL
			FROM	LT/RT	FT.	FT.	TO	LT/RT	FT.	FT.		CU YD	FT	FT	FT	FT	FT	EACH	EACH	EACH	SQ YD	SQ YD	SQ YD	EACH	EACH	EACH	EACH
81	EC-1	OFF-SITE DITCH	207+08	℄			208+81	℄															211				
84	UD-1	SR 57 / SR 252 / SW	925+17	LT	14.7	974.90	141+61	LT	3.0	968.06	PRECAST		636		17					1				1			
84	AD-1	SR 57 / SR 252 / SE	925+50	RT	16.9		150+86	RT	2.5					167													
84	D-20	SR 57 / SR 252	925+60	RT			925+98	RT									38										
84	D-21	SR 57 / SR 252	926+51	LT			926+85	LT									34										
84	EC-2	SR 57 / SR 252	925+17	LT			926+51	LT														385					
84	EC-3	SR 57 / SR 252 / CR 65	925+17	RT			11+50	RT															618				
85	UD-2	SW	142+15	LT	3.0	968.22	141+61	LT	3.0	968.06	UD-1		54											1	1		
85	UD-3	CC / SW	51+41	LT	2.5	969.00	141+97	LT	3.0	968.20	UD-2		60											1	1	1	
85	UD-4	SW / SL	142+19	LT	3.0	968.21	81+11	LT	15.7	965.91	PRECAST		152		17					1				1			
85	UD-5	NW / SR 57	161+49	LT	3.0	966.85	935+40	RT	20.3	965.87	PRECAST		195		14					1				1			
85	UD-6	CC / NW	52+72	LT	2.5	967.61	161+21	LT	3.0	966.70	UD-5		58											1	1	1	
85	UD-7	CC	51+21	RT	30.0	969.86	53+53	RT	30.0	967.97	UD-8		140											1			
85	UD-8	CC / NW	51+14	RT	30.0	969.86	161+59	LT	3.0	966.84	UD-10		180											1	1		
85	UD-9	CC / NW	54+09	LT	4.0	967.34	161+83	LT	3.0	966.62	UD-10		56											1	1	1	
85	UD-10	NW / NL	161+54	LT	3.0	966.85	103+55	LT	17.0	964.40	PRECAST		368		20					1				1			
85	UD-11	NE / SR 252	172+58	LT	3.0	967.75	53+05	RT	20.3	964.55	PRECAST		404		20					1				1			
85	UD-12	CC / NE	50+48	LT	4.0	968.68	172+65	LT	3.0	967.73	UD-13		57											1	1	1	
85	UD-13	NE	172+63	LT	3.0	967.73	172+90	LT	3.0	967.62	PRECAST		27		23					1				1	1		
85	UD-14	CR 65 / NE	15+76	LT	25.0	972.84	172+90	LT	3.0	967.62	UD-13		468											1			
85	UD-15	SE	151+00	RT	3.0	968.79	152+25	RT	3.0	967.61	PRECAST		123		19					1				1			
85	EC-4	CR 65	11+25	LT			12+50	RT															76				
86	UD-16	SR 57 / WL	941+50	LT	17.0	968.12	81+11	LT	15.7	965.91	UD-4		677											1	1		2
86	UD-17	SR 57	941+50	RT	12.7	968.32	935+40	RT	20.3	965.87	UD-5		610											1	1		
86	D-22	SR 57	936+20	RT			936+57	RT									37										
86	D-23	SR 57	937+45	RT			937+81	RT									36										
86	D-24	SR 57	938+72	RT			939+10	RT									38										
86	D-25	SR 57	939+56	LT			939+88	LT									32										
86	D-1	SR 57	941+50	RT			941+55	RT			D-2					5		1									
86	D-2	SR 57	940+75	RT			941+50	RT			HEADWALL	0.21				76											
86	EC-5	SR 57	935+50	RT			937+50	RT													326						
87	UD-18	SR 252 / NL	55+23	LT	19.3	965.67	103+55	LT	17.0	964.40	UD-10		219											1	1		2
87	UD-19	SR 252	55+23	RT	18.5	965.68	53+05	RT	20.3	964.56	UD-11		219											1	1		
87	AD-2	SR 252	55+50	LT	18.7		56+00	LT	18.2					21													
87	AD-3	SR 252	55+75	RT	17.3		56+75	RT	13.2					37													
87	D-26	SR 252	53+12	RT			53+45	RT									33										
87	D-27	SR 252	56+41	RT			56+73	RT									33										
87	EC-6	SR 252	50+75	RT			52+95	RT															273				
87	EC-7	SR 252	51+57	RT			54+98	RT													717						
88	UD-20	CR 65 / SE	15+67	RT	20.3	973.17	152+25	RT	3.0	967.61	UD-15		413											1	1		
88	AD-4	CR 65	16+00	LT	19.6		18+97	LT	16.5					84													
88	AD-5	CR 65	16+25	RT	19.2		18+75	RT	13.8					53													
88	D-28	CR 65	11+85	LT			12+20	LT									35										
88	D-29	CR 65	17+54	LT			17+87	LT									33										
88	D-3	CR 65	19+00	LT			20+68	LT								169			1								
88	EC-8	CR 65	11+50	RT			15+65	RT														209					
TOTALS CARRIED TO GENERAL SUMMARY												0.21	5116	362	130	250	349	1	1	7	1043	594	1178				

CALCULATED NRV CHECKED MTL

DRAINAGE AND UNDERDRAIN SUBSUMMARY

MED-57-17.52

SHEET NO.	REFERENCE. NO.	STATION FROM	STATION TO	PROJECT ELIGIBLE	638 FIRE HYDRANT ADJUSTED TO GRADE EACH	638 VALVE BOX ADJUSTED TO GRADE EACH
26	W1	927+63	-	N	1	
27	W2	932+29	-	N		1
27	W3	934+09	-	N		1
27	W4	49+37 (SR 252)	-	N		1
27	W5	49+60 (SR 252)	-	N		1
27	W6*	10+39 (CR 65)	-	Y		1
27	W7*	10+89 (CR 65)	-	Y	1	
29	W8	939+52	-	N	1	
31	W9	52+80 (SR 252)	-	N		1
31	W10	52+85 (SR 252)	-	N	1	
33	W11*	10+94 (CR 65)	-	Y		1
PROJECT ELIGIBLE TOTALS *					1	2
NOT PROJECT ELIGIBLE TOTALS					3	5
TOTALS CARRIED TO GENERAL SUMMARY					4	7

CALCULATED MTL
CHECKED VDK

WATERLINE SUBSUMMARY

MED-57-17.52

STATION TO STATION	SIDE	MATERIAL	LENGTH (L)	AVERAGE WIDTH (W)	AREA	CAD MEASURED AREAS	202	204	204	206	206	206	206	301	304	407	407	442	442	452	609	
							PAVEMENT REMOVED, ASPHALT	SUBGRADE COMPACTION	PROOF ROLLING	LIME STABILIZED SUBGRADE, 12 INCHES DEEP	LIME	CURING COAT	TEST ROLLING	6" ASPHALT CONCRETE BASE, PG64-22	6" AGGREGATE BASE	TACK COAT (0.075 GAL/SQ YD)	TACK COAT FOR INTERMEDIATE (0.04 GAL/SQ YD)	ASPHALT CONCRETE SURFACE COURSE, 9.5MM, TYPE A (446), AS PER PLAN (1.25")	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), AS PER PLAN (1.75")	NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED	6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED	
			FT	FT	SQ FT	SQ FT	SQ YD	SQ YD	HR	SQ YD	TON	SQ YD	HR	CU YD	CU YD	GAL	GAL	CU YD	CU YD	SQ YD	SQ YD	
SR 57 / SR 252							2175															
STA. 925+17.35 TO STA. 927+37.35	*LT/RT*	*ASPHALT*	*220.00*	*36.13*		*7949*		*883*	*0.3*				*0.3*	*147*	*147*	*66*	*35*	*31*	*43*			
STEP (LEVEL 3)				*0.67*	*147*									*3*								
STEP (LEVEL 4)				*1.67*	*367*										*7*							
STEP (SUBGRADE)				*3.00*	*660*			*73*	*0.0*				*0.0*									
STA. 927+37.35 TO STA. 929+92.01	*LT*	*ASPHALT*	*254.66*	*15.94*		*4060*		*451*	*0.2*				*0.2*	*75*	*75*	*34*	*18*	*16*	*22*			
STEP (LEVEL 3)				*0.33*	*85*									*2*								
STEP (LEVEL 4)				*1.33*	*340*										*6*							
STEP (SUBGRADE)				*2.50*	*637*			*71*	*0.0*				*0.0*									
STA. 927+37.35 TO STA. 64+04.30 (SR)	*RT*	*ASPHALT*	*454.54*	*14.65*		*6658*		*740*	*0.2*				*0.2*	*123*	*123*	*55*	*30*	*26*	*36*			
STEP (LEVEL 4)				*4.00*	*1818*										*34*							
STEP (SUBGRADE)				*4.50*	*2045*			*227*	*0.1*				*0.1*									
STA. 929+92.01 TO STA. 71+83.09 (SL)	*LT*	*ASPHALT*	*200.75*	*14.53*		*2918*		*324*	*0.1*				*0.1*	*54*	*54*	*24*	*13*	*11*	*16*			
STEP (LEVEL 4)				*4.00*	*803*										*15*							
STEP (SUBGRADE)				*4.50*	*903*			*100*	*0.0*				*0.0*									
SPLITTER ISLAND - SOUTH LEG		*CONCRETE*	*-*	*-*		*7084*		*787*	*0.3*						*131*						*787*	
ROUNDABOUT		*ASPHALT*	*-*	*-*		*11132*	*1114*	*1416*	*0.5*				*0.5*	*206*	*236*	*93*	*49*	*86*	*120*			
TRUCK APRON		*CONCRETE*	*-*	*-*		*3204*		*403*	*0.1*				*0.1*		*59*					*356*		
SR 57							*2552*															
STA. 80+07.75 (WL) TO STA. 937+24.92	*LT*	*ASPHALT*	*351.77*	*14.08*		*4955*			*0.2*	*551*	*14*	*551*	*0.2*	*92*	*92*	*41*	*22*	*19*	*27*			
STEP (LEVEL 4)				*4.00*	*1407*										*26*							
STEP (SUBGRADE)						*5910*				*657*	*16*	*657*										
STA. 90+12.97 (WR) TO STA. 934+93.50	*RT*	*ASPHALT*	*123.28*	*14.22*		*1753*			*0.1*	*195*	*5*	*195*	*0.1*	*32*	*32*	*15*	*8*	*7*	*9*			
STEP (LEVEL 4)				*4.00*	*493*										*9*							
STEP (SUBGRADE)						*1136*				*126*	*3*	*126*										
STA. 934+93.50 TO STA. 937+24.92	*RT*	*ASPHALT*	*231.43*	*15.93*		*3688*			*0.1*	*410*	*10*	*410*	*0.1*	*68*	*68*	*31*	*16*	*14*	*20*			
STEP (LEVEL 3)				*0.33*	*77*									*1*								
STEP (LEVEL 4)				*1.33*	*309*										*6*							
STEP (SUBGRADE)						*1273*				*141*	*3*	*141*										
STA. 937+24.92 TO STA. 937+99.83	*LT/RT*	*ASPHALT*	*74.90*	*40.36*		*3023*			*0.1*	*336*	*8*	*336*	*0.1*	*56*	*56*	*25*	*13*	*12*	*16*			
STEP (LEVEL 3)				*0.33*	*25*									*0*								
STEP (LEVEL 4)				*4.33*	*325*										*6*							
STEP (SUBGRADE)				*6.00*	*449*				*0.0*	*50*	*1*	*50*	*0.0*									
STA. 937+99.83 TO STA. 941+49.83	*LT/RT*	*ASPHALT*	*350.00*	*36.12*		*12642*			*0.5*	*1405*	*35*	*1405*	*0.5*	*234*	*234*	*105*	*56*	*49*	*68*			
STEP (LEVEL 3)				*0.67*	*233*									*4*								
STEP (LEVEL 4)				*1.67*	*583*										*11*							
STEP (SUBGRADE)				*3.00*	*1050*				*0.0*	*117*	*3*	*117*	*0.0*									
SPLITTER ISLAND - WEST LEG		*CONCRETE*	*-*	*-*		*5972*		*664*	*0.2*						*111*						*664*	
SR 252							*2303*															
STA. 100+07.75 (NL) TO STA. 53+04.48	*LT*	*ASPHALT*	*348.09*	*13.89*		*4834*		*537*	*0.2*				*0.2*	*90*	*90*	*40*	*21*	*19*	*26*			
STEP (LEVEL 4)				*4.00*	*1392*										*26*							
STEP (SUBGRADE)				*4.50*	*1566*			*174*	*0.1*				*0.1*									
SHEET TOTALS CARRIED TO SHEET 23							**8144**	**6850**	**3**	**3988**	**99**	**3988**	**3**	**1187**	**1654**	**529**	**281**	**290**	**403**	**356**	**1451**	

CALCULATED MTL
CHECKED VDK

PAVEMENT CALCULATIONS AND SUBSUMMARY

MED-57-17.52

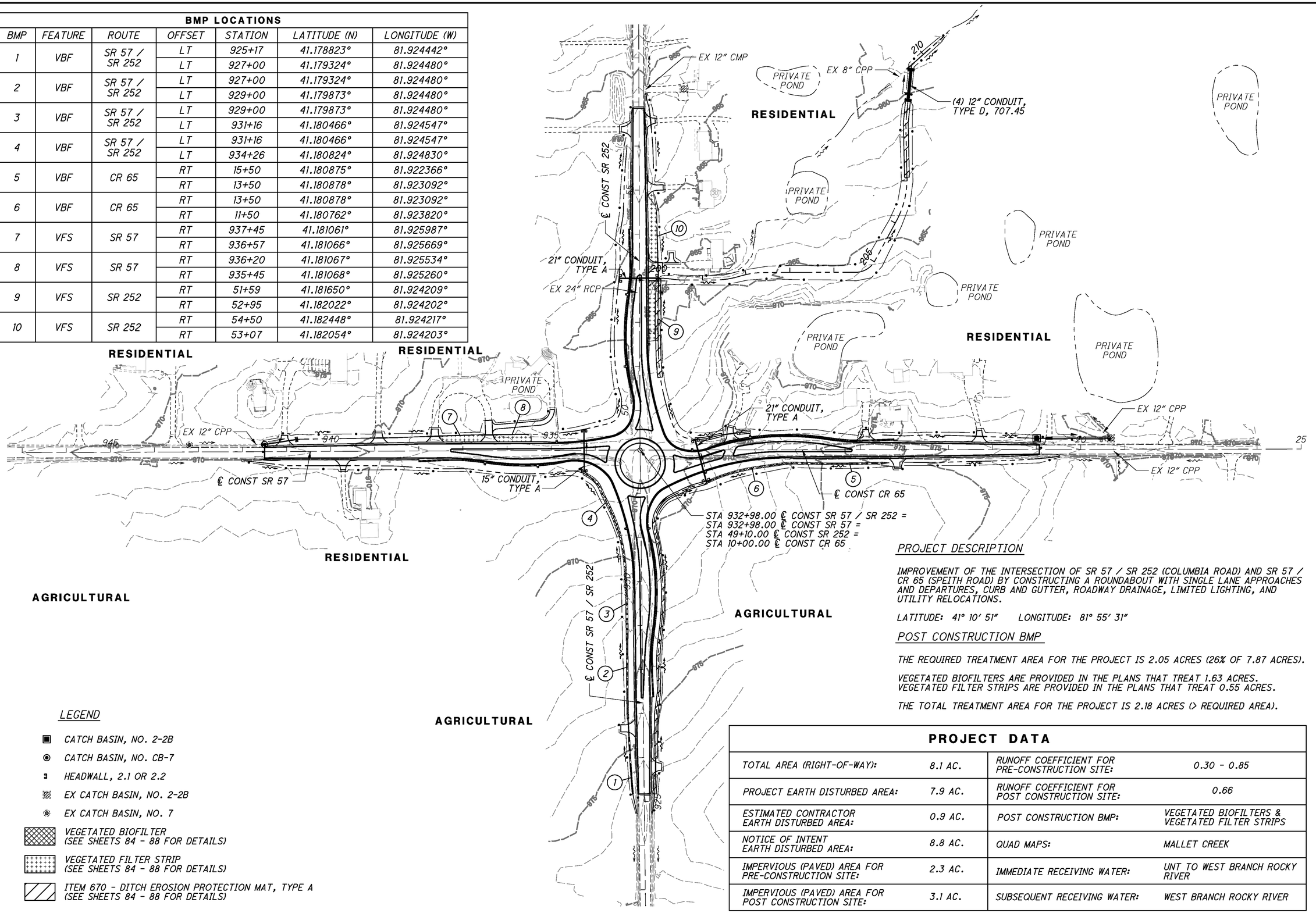
STATION TO STATION	SIDE	MATERIAL	LENGTH (L)	AVERAGE WIDTH (W)	AREA	CAD MEASURED AREAS	202	204	204	206	206	206	206	301	304	407	407	442	442	452	609	
							PAVEMENT REMOVED, ASPHALT	SUBGRADE COMPACTION	PROOF ROLLING	LIME STABILIZED SUBGRADE, 12 INCHES DEEP	LIME	CURING COAT	TEST ROLLING	6" ASPHALT CONCRETE BASE, PG64-22	6" AGGREGATE BASE	TACK COAT (0.075 GAL/SQ YD)	TACK COAT FOR INTERMEDIATE (0.04 GAL/SQ YD)	ASPHALT CONCRETE SURFACE COURSE, 9.5MM, TYPE A (446), AS PER PLAN (1.25")	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446), AS PER PLAN (1.75")	NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED	6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED	
			FT	FT	SQ FT	SQ FT	SQ YD	SQ YD	HR	SQ YD	TON	SQ YD	HR	CU YD	CU YD	GAL	GAL	CU YD	CU YD	SQ YD	SQ YD	
SR 252																						
STA. 110+12.97 (WR) TO STA. 51+56.57	*RT*	*ASPHALT*	*201.13*	*14.57*		*2931*		*326*	*0.1*				*0.1*	*54*	*54*	*24*	*13*	*11*	*16*			
STEP (LEVEL 4)				*4.00*	*805*										*15*							
STEP (SUBGRADE)				*4.50*	*905*			*101*	*0.0*				*0.0*									
STA. 51+56.57 TO STA. 53+04.48	*RT*	*ASPHALT*	*147.91*	*15.89*		*2350*		*261*	*0.1*				*0.1*	*44*	*44*	*20*	*10*	*9*	*13*			
STEP (LEVEL 3)				*0.33*	*49*									*1*								
STEP (LEVEL 4)				*1.33*	*197*										*4*							
STEP (SUBGRADE)				*2.50*	*370*			*41*	*0.0*				*0.0*									
STA. 53+04.48 TO STA. 54+11.28	*LT/RT*	*ASPHALT*	*106.79*	*40.11*		*4283*		*476*	*0.2*				*0.2*	*79*	*79*	*36*	*19*	*17*	*23*			
STEP (LEVEL 3)				*0.33*	*36*									*1*								
STEP (LEVEL 4)				*4.33*	*463*										*9*							
STEP (SUBGRADE)				*6.00*	*641*			*71*	*0.0*				*0.0*									
STA. 54+11.28 TO STA. 56+86.28	*LT/RT*	*ASPHALT*	*275.00*	*35.96*		*9889*		*1099*	*0.4*				*0.4*	*183*	*183*	*82*	*44*	*38*	*53*			
STEP (LEVEL 3)				*0.67*	*183*									*3*								
STEP (LEVEL 4)				*1.67*	*458*										*8*							
STEP (SUBGRADE)				*3.00*	*825*			*92*	*0.0*				*0.0*									
SPLITTER ISLAND - NORTH LEG		*CONCRETE*	*-*	*-*		*6443*		*716*	*0.2*						*119*						*716*	
CR 65							*2229*															
STA. 120+07.75 (EL) TO STA. 14+77.94	*LT*	*ASPHALT*	*404.37*	*14.71*		*5947*		*661*	*0.2*				*0.2*	*110*	*110*	*50*	*26*	*23*	*32*			
STEP (LEVEL 4)				*4.00*	*1617*										*30*							
STEP (SUBGRADE)				*4.50*	*1820*			*202*	*0.1*				*0.1*									
STA. 130+12.97 (ER) TO STA. 13+35.32	*RT*	*ASPHALT*	*260.65*	*15.68*		*4087*		*454*	*0.2*				*0.2*	*76*	*76*	*34*	*18*	*16*	*22*			
STEP (LEVEL 4)				*4.00*	*1043*										*19*							
STEP (SUBGRADE)				*4.50*	*1173*			*130*	*0.0*				*0.0*									
STA. 13+35.32 TO STA. 14+77.94	*RT*	*ASPHALT*	*142.63*	*15.89*		*2267*		*252*	*0.1*				*0.1*	*42*	*42*	*19*	*10*	*9*	*12*			
STEP (LEVEL 3)				*0.33*	*48*									*1*								
STEP (LEVEL 4)				*1.33*	*190*										*4*							
STEP (SUBGRADE)				*2.50*	*357*			*40*	*0.0*				*0.0*									
STA. 14+77.94 TO STA. 15+75.80	*LT/RT*	*ASPHALT*	*97.85*	*40.17*		*3931*		*437*	*0.1*				*0.1*	*73*	*73*	*33*	*17*	*15*	*21*			
STEP (LEVEL 3)				*0.33*	*33*									*1*								
STEP (LEVEL 4)				*4.33*	*424*										*8*							
STEP (SUBGRADE)				*6.00*	*587*			*65*	*0.0*				*0.0*									
STA. 15+75.80 TO STA. 19+05.80	*LT/RT*	*ASPHALT*	*330.00*	*34.15*		*11270*		*1252*	*0.4*				*0.4*	*209*	*209*	*94*	*50*	*43*	*61*			
STEP (LEVEL 3)				*0.67*	*220*									*4*								
STEP (LEVEL 4)				*1.67*	*550*										*10*							
STEP (SUBGRADE)				*3.00*	*990*			*110*	*0.0*				*0.0*									
SPLITTER ISLAND - EAST LEG		*CONCRETE*	*-*	*-*		*2212*		*246*	*0.1*						*41*						*246*	
		CONCRETE	*-*	*-*		*4723*		*525*	*0.2*						*88*						*525*	
SHEET TOTALS							**2229**	**7557**	**2**	**0**	**0**	**0**	**2**	**881**	**1225**	**392**	**207**	**181**	**253**	**0**	**1487**	
SHEET TOTALS FROM SHEET 22							**8144**	**6850**	**3**	**3988**	**99**	**3988**	**3**	**1187**	**1654**	**529**	**281**	**290**	**403**	**356**	**1451**	
TOTALS CARRIED TO GENERAL SUMMARY							**10373**	**14407**	**6**	**3988**	**99**	**3988**	**5**	**2068**	**2879**	**921**	**488**	**471**	**656**	**356**	**2938**	

CALCULATED MTL
CHECKED VDK

PAVEMENT CALCULATIONS AND SUBSUMMARY

MED-57-17.52

BMP LOCATIONS						
BMP	FEATURE	ROUTE	OFFSET	STATION	LATITUDE (N)	LONGITUDE (W)
1	VBF	SR 57 / SR 252	LT	925+17	41.178823°	81.924442°
			LT	927+00	41.179324°	81.924480°
2	VBF	SR 57 / SR 252	LT	927+00	41.179324°	81.924480°
			LT	929+00	41.179873°	81.924480°
3	VBF	SR 57 / SR 252	LT	929+00	41.179873°	81.924480°
			LT	931+16	41.180466°	81.924547°
4	VBF	SR 57 / SR 252	LT	931+16	41.180466°	81.924547°
			LT	934+26	41.180824°	81.924830°
5	VBF	CR 65	RT	15+50	41.180875°	81.922366°
			RT	13+50	41.180878°	81.923092°
6	VBF	CR 65	RT	13+50	41.180878°	81.923092°
			RT	11+50	41.180762°	81.923820°
7	VFS	SR 57	RT	937+45	41.181061°	81.925987°
			RT	936+57	41.181066°	81.925669°
8	VFS	SR 57	RT	936+20	41.181067°	81.925534°
			RT	935+45	41.181068°	81.925260°
9	VFS	SR 252	RT	51+59	41.181650°	81.924209°
			RT	52+95	41.182022°	81.924202°
10	VFS	SR 252	RT	54+50	41.182448°	81.924217°
			RT	53+07	41.182054°	81.924203°



LEGEND

- CATCH BASIN, NO. 2-2B
- CATCH BASIN, NO. CB-7
- HEADWALL, 2.1 OR 2.2
- EX CATCH BASIN, NO. 2-2B
- EX CATCH BASIN, NO. 7
- VEGETATED BIOFILTER (SEE SHEETS 84 - 88 FOR DETAILS)
- VEGETATED FILTER STRIP (SEE SHEETS 84 - 88 FOR DETAILS)
- ITEM 670 - DITCH EROSION PROTECTION MAT, TYPE A (SEE SHEETS 84 - 88 FOR DETAILS)

PROJECT DESCRIPTION

IMPROVEMENT OF THE INTERSECTION OF SR 57 / SR 252 (COLUMBIA ROAD) AND SR 57 / CR 65 (SPEITH ROAD) BY CONSTRUCTING A ROUNDABOUT WITH SINGLE LANE APPROACHES AND DEPARTURES, CURB AND GUTTER, ROADWAY DRAINAGE, LIMITED LIGHTING, AND UTILITY RELOCATIONS.

LATITUDE: 41° 10′ 51″ LONGITUDE: 81° 55′ 31″

POST CONSTRUCTION BMP

THE REQUIRED TREATMENT AREA FOR THE PROJECT IS 2.05 ACRES (26% OF 7.87 ACRES).

VEGETATED BIOFILTERS ARE PROVIDED IN THE PLANS THAT TREAT 1.63 ACRES.
VEGETATED FILTER STRIPS ARE PROVIDED IN THE PLANS THAT TREAT 0.55 ACRES.

THE TOTAL TREATMENT AREA FOR THE PROJECT IS 2.18 ACRES (> REQUIRED AREA).

PROJECT DATA			
TOTAL AREA (RIGHT-OF-WAY):	8.1 AC.	RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE:	0.30 - 0.85
PROJECT EARTH DISTURBED AREA:	7.9 AC.	RUNOFF COEFFICIENT FOR POST CONSTRUCTION SITE:	0.66
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.9 AC.	POST CONSTRUCTION BMP:	VEGETATED BIOFILTERS & VEGETATED FILTER STRIPS
NOTICE OF INTENT EARTH DISTURBED AREA:	8.8 AC.	QUAD MAPS:	MALLET CREEK
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE:	2.3 AC.	IMMEDIATE RECEIVING WATER:	UNT TO WEST BRANCH ROCKY RIVER
IMPERVIOUS (PAVED) AREA FOR POST CONSTRUCTION SITE:	3.1 AC.	SUBSEQUENT RECEIVING WATER:	WEST BRANCH ROCKY RIVER

HORIZONTAL SCALE IN FEET
0 50 100 200

PROJECT SITE PLAN

MED-57-17.52

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3520 COLUMBIA ROAD

0 COLUMBIA ROAD

BEGIN WORK
SR 57 / SR 252
STA 924+73.00

E120 (385)

BEGIN PROJECT
SR 57 / SR 252
STA 925+17.35

STA 925+77.21
END SHOULDER TAPER (LT)

CONST LIMITS

4" CPP

ASPH

12" CMP

EX 12" W (DND)

Ex R/W

921 922 923 925

℄ CONST SR 57 / SR 252

N 00° 41' 06" W

C6 C5 B7

BURIED

12.6' 12.4' 2.6' 1.8' 4'

90°

12" TYPE D

16'

TMP

D-20

MATCH LINE STA 926+00 SEE SHEET 26

6450 SPIETH ROAD

STA 925+17.35
BEGIN LANE TAPER (LT & RT)
BEGIN SHOULDER TAPER (LT)
BEGIN SHOULDER TAPER (RT)

STA 925+26.80
END SHOULDER TAPER (RT)

+78.60
℄ FIELD DRIVE

DR-1

NOTES:
FOR ESTIMATED QUANTITIES SEE SHEETS 18 - 21
FOR DRIVEWAY DETAILS & ESTIMATED QUANTITIES SEE SHEET 73
FOR DRAINAGE DETAILS SEE SHEET 84

990 985 980 975 970 965 960 955

977.72 977.60 977.50 977.49 977.47 977.51 977.55 977.62 977.68 977.74 977.80 977.87 977.98 978.09 978.16 978.18 978.07 977.86 977.53 977.22 976.93

977.88 977.63 977.38 977.13

MATCH EXISTING
BEGIN PROFILE
STA 925+47.36
EL = 977.96±

-1.27%±

-1.00 %

PROFILE GRADE

EX GRADE

EX 4" CPP

EX 12" CMP

EX 12" WATER MAIN (DND)

921+00 922+00 923+00 924+00 925+00 926+00

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED BER

PLAN AND PROFILE - SR 57 / SR 252
STA 921+00 TO STA 926+00

MED-57-17.52

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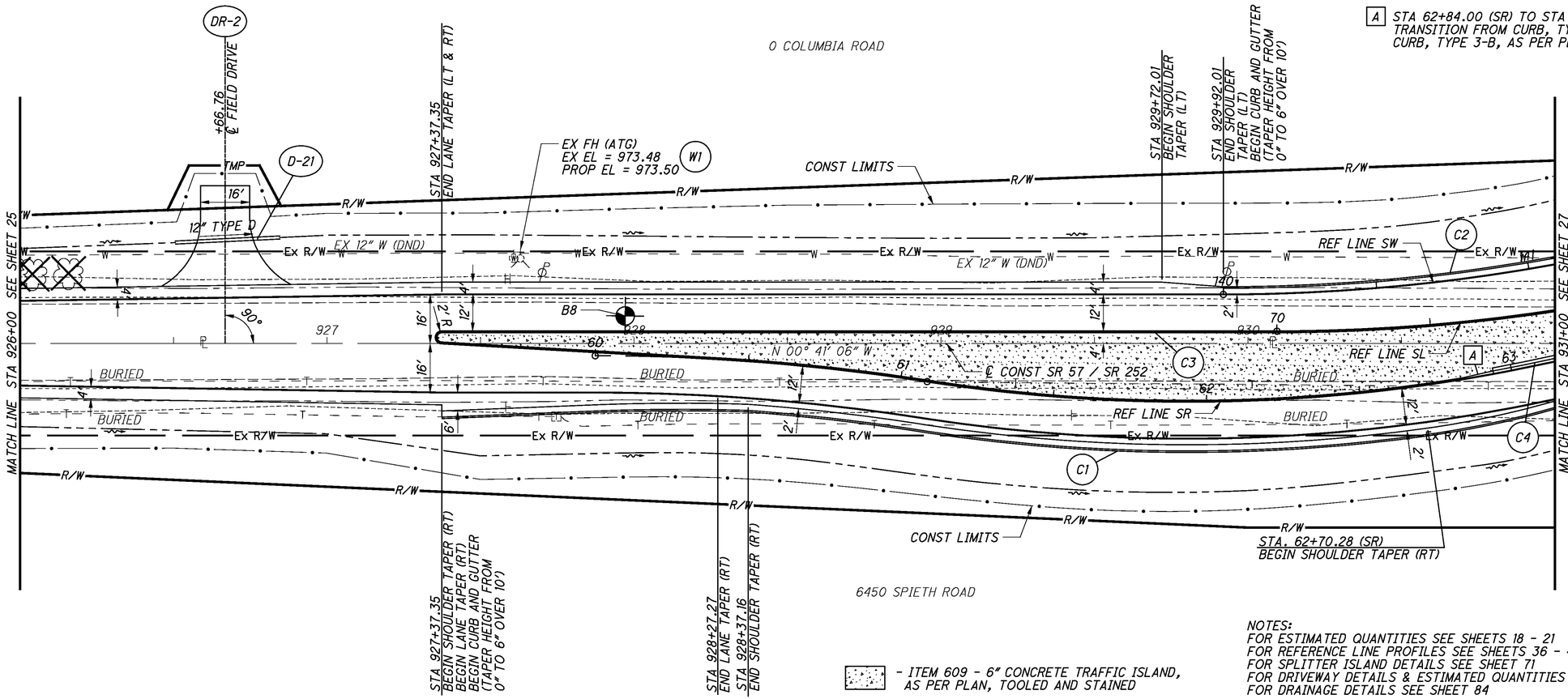
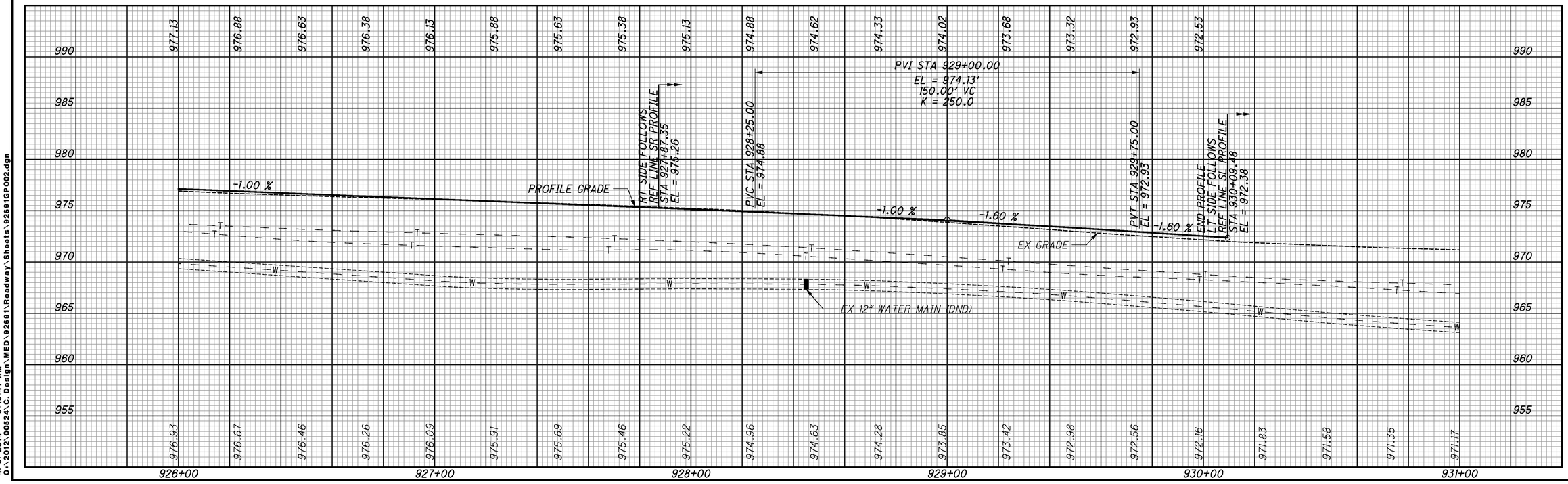


NOTES:
FOR ESTIMATED QUANTITIES SEE SHEETS 18 - 21
FOR REFERENCE LINE PROFILES SEE SHEETS 36 - 41
FOR SPLITTER ISLAND DETAILS SEE SHEET 71
FOR DRIVEWAY DETAILS & ESTIMATED QUANTITIES SEE SHEET 73
FOR DRAINAGE DETAILS SEE SHEET 84



HORIZONTAL SCALE IN FEET
0 10 20 40
CALCULATED MTL
CHECKED BER

PLAN AND PROFILE - SR 57 / SR 252
STA 926+00 TO STA 931+00

MED-57-17.52

26
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MATCH LINE STA 934+50 SEE SHEET 28

MATCH LINE STA 931+00 SEE SHEET 26

CONST LIMITS

REF LINE WL

REF LINE SW

REF LINE SL

REF LINE SR

REF LINE SE

REF LINE NW

REF LINE NL

REF LINE NR

REF LINE NE

REF LINE EL

REF LINE ER

REF LINE WR

CONST LIMITS

CONST LIMITS

℄ CONST SR 57 / SR 252

℄ CONST SR 252

℄ CONST CR 65

15" TYPE A

12" CPP

8" PVC

EX 12" W (DND)

EX 24" W (DND)

BURIED

Ex R/W

R/W

STA. 63+22.86 (SR)
END SHOULDER TAPER (RT)

EX VALVE (ATG)
EX EL = 967.62
PROP EL = 969.48 W3

EX VALVE (ATG)
EX EL = 967.52
PROP EL = 972.14 W2

EX VALVE (ATG)
EX EL = 967.84
PROP EL = 970.07 W4

EX VALVE (ATG)
EX EL = 966.57
PROP EL = 969.75 W5

EX VALVE (ATG)
EX EL = 967.47
PROP EL = 970.46 W6*

EX FH (ATG)
EX EL = 968.63
PROP EL = 966.68 W7*

EX WATER VALVE AND SERVICE RELOCATED (BY OTHERS)

A STA 932+98.00 ℄ SR 57 / SR 252 =
STA 932+98.00 ℄ SR 57 =
STA 49+10.00 ℄ SR 252 =
STA 10+00.00 ℄ CR 65

B STA 66+44.00 (SR) TO STA 66+54.00 (SR)
TRANSITION FROM CURB, TYPE 3-B, AS
PER PLAN TO CURB, TYPE 6

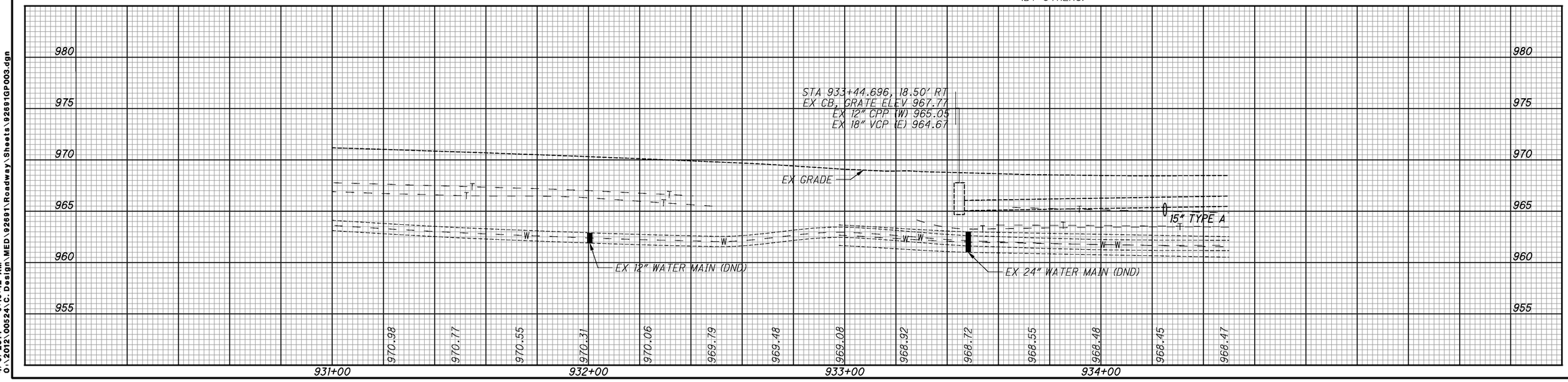
C STA 80+68.00 (WL) TO STA 80+78.00 (WL)
TRANSITION FROM CURB, TYPE 6 TO
CURB, TYPE 3-B, AS PER PLAN

- ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

* PROJECT ELIGIBLE WATERLINE ITEMS

NOTES:
FOR ESTIMATED QUANTITIES SEE SHEETS 18 - 21
FOR REFERENCE LINE PROFILES SEE SHEETS 36 - 41
FOR ROUNDABOUT DETAILS SEE SHEET 70
FOR SPLITTER ISLAND DETAILS SEE SHEET 71 - 72
FOR DRIVEWAY DETAILS & ESTIMATED QUANTITIES SEE SHEET 73
FOR CULVERT DETAILS SEE SHEET 78
FOR DRAINAGE DETAILS SEE SHEET 84 - 85
FOR ROUNDABOUT LANSCAPING SEE SHEET 100



HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED BER

PLAN AND PROFILE - SR 57 / SR 252
& SR 57 - STA 931+00 TO STA 934+50

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A STA 81+28.00 (WL) TO STA 81+38.00 (WL) TRANSITION FROM CURB, TYPE 3-B, AS PER PLAN TO CURB, TYPE 6

STA 934+93.50 BEGIN SHOULDER TAPER (RT)
STA 934+98.55 BEGIN SHOULDER TAPER (LT)
STA 935+13.50 END SHOULDER TAPER (RT)
STA 935+16.64 END SHOULDER TAPER (LT)
STA 936+66.93 BEGIN LANE TAPER (LT)
STA 937+00.37 BEGIN SHOULDER TAPER (LT)
STA 937+50.18 END LANE TAPER (LT)
STA 937+99.83 END SHOULDER TAPER (LT) END CURB AND GUTTER (TAPER HEIGHT FROM 6" TO 0" OVER 10')
STA 937+99.83 BEGIN LANE TAPER (LT & RT)

0 COLUMBIA ROAD
0 SPIETH ROAD
6635 SPIETH ROAD
6670 SPIETH ROAD

2-STY VINYL RES.
PORCH
EX WATER VALVE AND SERVICE RELOCATED (BY OTHERS)
OUTLET EXISTING PIPE TO PROPOSED DITCH
4" PVC
CONST LIMITS
REF LINE SW
REF LINE WL
REF LINE WR
REF LINE NW
MATCH LINE STA 934+50 SEE SHEET 27
MATCH LINE STA 939+50 SEE SHEET 29
℄ CONST SR 57
S 89° 45' 24" W
87°38'25"
87°36'11"
3'R
30'R
EX 24" W (DND)
EX 12" W (DND)
12" CPP
12" TYPE D
ELECTV
ASPH.
℄ ASPH DRIVE
℄ CONC DRIVE
CONC.
STONE
TMP
BURIED
Ex R/W
R/W
C6 C11 C12 C13 C17 C18 C19 C20 C21 C22 MB1 B2 R1 R2 R3 R4 R5 R6 R7 D-22 D-23 D-24 DR-3 DR-3A DR-4 DR-5

NOTES:
FOR ESTIMATED QUANTITIES SEE SHEETS 18 - 21
FOR REFERENCE LINE PROFILES SEE SHEETS 36 - 41
FOR SPLITTER ISLAND DETAILS SEE SHEET 72
FOR DRIVEWAY DETAILS & ESTIMATED QUANTITIES SEE SHEET 73
FOR DRAINAGE DETAILS SEE SHEET 86

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

PVI STA 935+25.00
EL = 968.92'
100.00' VC
K = 87.1

BEGIN PROFILE RT SIDE FOLLOWS REF LINE WR STA 934+70.09 EL = 969.33
PVC STA 934+75.00 EL = 969.29
PVT STA 935+75.00 EL = 969.12
LT SIDE FOLLOWS REF LINE WL STA 937+50.18 EL = 969.82

PROFILE GRADE
EX GRADE
-0.75 %
-0.75 %
+0.40 %
+0.40 %
EX 12" CPP (TBR)
EX 24" WATER MAIN (DND)
EX 12" WATER MAIN (DND)

969.29 969.14 969.06 969.05 969.12 969.22 969.32 969.42 969.52 969.62 969.72 969.82 969.92 970.02 970.12 970.22 970.32 970.42 970.52 970.62
985 980 975 970 965 960 955 950
935+00 936+00 937+00 938+00 939+00

968.45 968.42 968.45 968.49 968.51 968.53 968.60 968.66 968.69 968.75 968.81 968.90 968.99 969.09 969.25 969.48 969.70 969.89 970.07 970.27

HORIZONTAL SCALE IN FEET
0 10 20 40
CALCULATED MTL
CHECKED BER

PLAN AND PROFILE - SR 57
STA 934+50 TO STA 939+50

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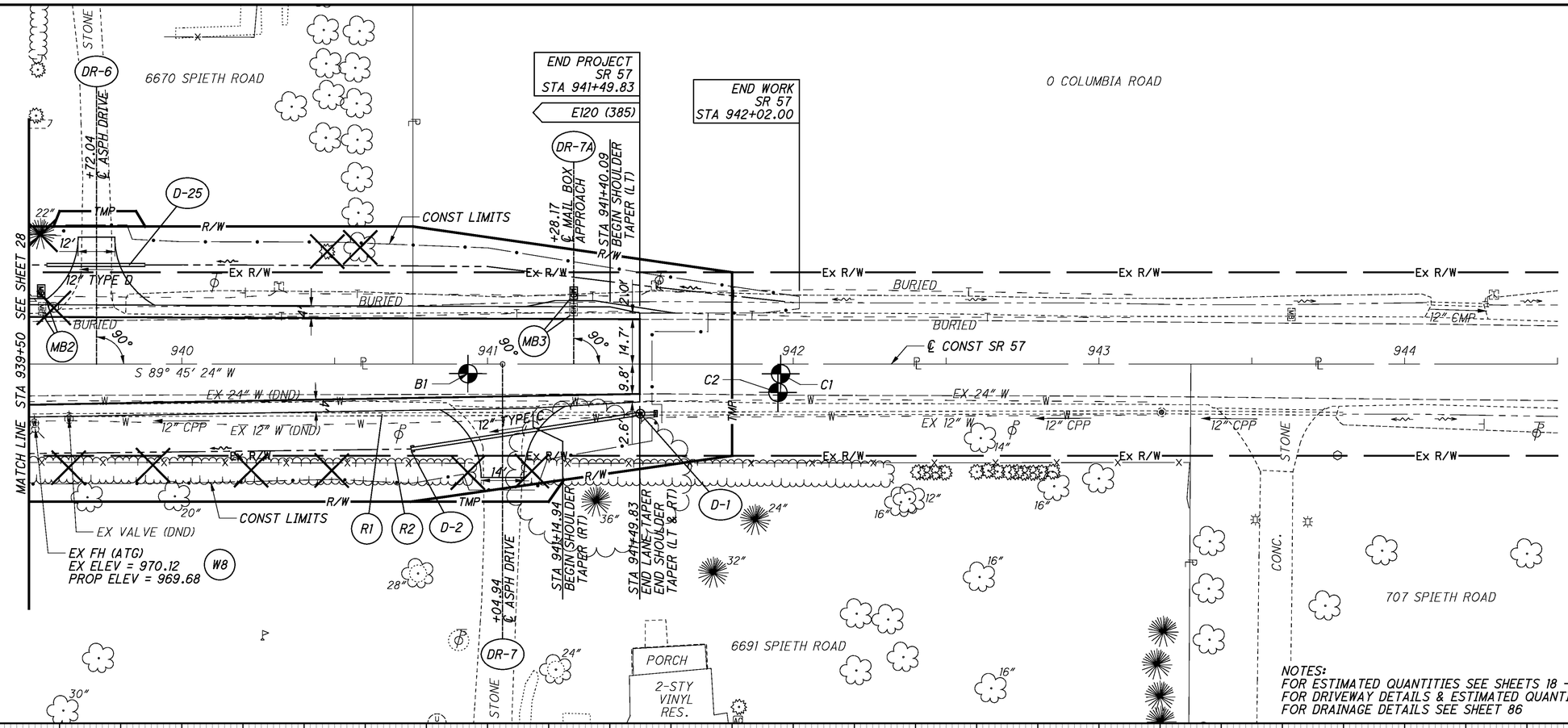
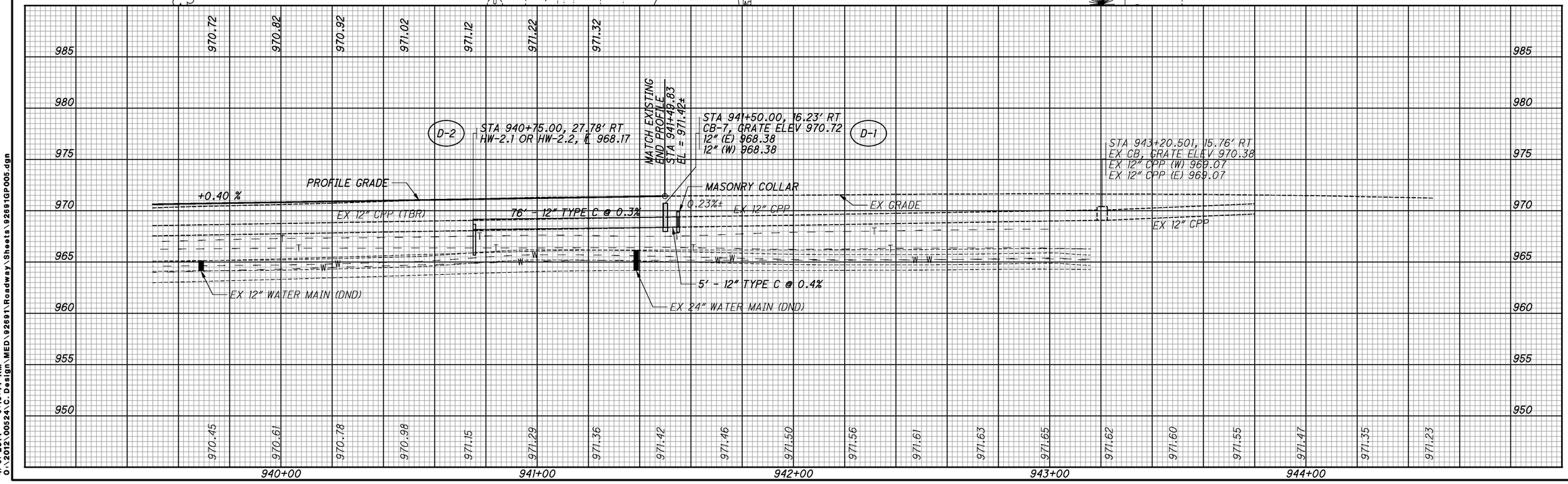


NOTES:
FOR ESTIMATED QUANTITIES SEE SHEETS 18 - 21
FOR DRIVEWAY DETAILS & ESTIMATED QUANTITIES SEE SHEET 73
FOR DRAINAGE DETAILS SEE SHEET 86



PLAN AND PROFILE - SR 57
STA 939+50 TO STA 944+50

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CALCULATED MTL
CHECKED BER

HORIZONTAL SCALE IN FEET
0 10 20 40

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EX METER VAULT AND SERVICE RELOCATED (BY OTHERS)

STA 100+89.24 (NW) BEGIN SHOULDER TAPER (LT)

STA 50+89.48 END SHOULDER TAPER (LT)

0 SPIETH ROAD

CONST LIMITS

R/W

EX R/W

EX 12" W (DND)

REF LINE NW

REF LINE NL

REF LINE NR

REF LINE NE

℄ CONST SR 252

BURIED

BURIED (APPROX LOC)

FO

12" CPP

EX 24" W (DND)

DENSE TREES/BRUSH

6591 SPIETH ROAD

MATCH LINE STA 52+50 SEE SHEET 31

A STA 100+58.00 (NL) TO STA 100+68.00 (NL) TRANSITION FROM CURB, TYPE 6 TO CURB, TYPE 3-B, AS PER PLAN

B STA 101+18.00 (NL) TO STA 101+28.00 (NL) TRANSITION FROM CURB, TYPE 3-B, AS PER PLAN TO CURB, TYPE 6

- ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

STA 51+56.57
BEGIN SHOULDER TAPER (RT)
END CURB AND GUTTER
(TAPER HEIGHT FROM 6" TO 0" OVER 3')

STA 51+76.57
END SHOULDER TAPER (RT)

NOTES:
FOR ESTIMATED QUANTITIES SEE SHEETS 18 - 21
FOR REFERENCE LINE PROFILES SEE SHEETS 36 - 41
FOR ROUNDABOUT DETAILS SEE SHEET 70
FOR SPLITTER ISLAND DETAILS SEE SHEET 71
FOR DRAINAGE DETAILS SHEE SHEET 87

BEGIN PROFILE
RT SIDE FOLLOWS
REF LINE NR PROFILE
STA 51+39.13
EL = 968.72

PROFILE GRADE
-0.80 %

PVC STA 52+00.00
EL = 968.23

PVI STA 53+00.00
EL = 967.43'
200.00' VC
K = 133.3

EX GRADE

EX 12" WATER MAIN (DND)

968.63 968.43 968.23 968.05 967.92

968.17 968.25 967.91 967.66 967.47 967.31 967.18 967.06 966.98 966.91 966.85 966.80 966.76 966.71

980 975 970 965 960 955 950 945

50+00 51+00 52+00

PLAN AND PROFILE - SR 252
STA 49+10 TO STA 52+50

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED BER

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30
118

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NOTES:
FOR ESTIMATED QUANTITIES SEE SHEETS 18 - 21
FOR REFERENCE LINE PROFILES SEE SHEETS 36 - 41
FOR SPLITTER ISLAND DETAILS SEE SHEET 71
FOR DRIVEWAY DETAILS & ESTIMATED QUANTITIES SEE SHEET 73
FOR CULVERT DETAILS SEE SHEET 78
FOR OFF-SITE DITCH DETAILS SEE SHEETS 80 - 83
FOR DRAINAGE DETAILS SEE SHEET 87

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

0 SPIETH ROAD
6635 SPIETH ROAD
6591 SPIETH ROAD
3340 COLUMBIA ROAD
3349 COLUMBIA ROAD
3361 COLUMBIA ROAD
3375 COLUMBIA ROAD
3333 COLUMBIA ROAD

W10 EX FH (ATG) EX ELEV = 964.13 PROP ELEV = 967.72
W9 EX VALVE (ATG) EX ELEV = 964.25 PROP ELEV = 967.23
REF LINE NL
STA 53+11.46 BEGIN SHOULDER TAPER (LT)
STA 53+24.05 BEGIN LINE TAPER (LT)
STA 54+11.28 END LINE TAPER (LT) END SHOULDER TAPER (LT) END CURB AND GUTTER (TAPER HEIGHT FROM 6" TO 0" OVER 10')
STA 54+11.28 BEGIN LANE TAPER (LT & RT)
STA 56+10.95 BEGIN SHOULDER TAPER (RT)
STA 56+86.28 END LANE TAPER END SHOULDER TAPER (LT) END SHOULDER TAPER (RT)
STA 56+71.06 BEGIN SHOULDER TAPER (LT)
END WORK SR 252 STA 57+20.08
END PROJECT SR 252 STA 56+86.28
E120 (385)
MATCH LINE STA 52+50 SEE SHEET 30
MATCH LINE STA 57+50 SEE SHEET 32
CONST LIMITS
℄ CONST SR 252
EX 12" W (DND)
EX R/W FO BURIED (APPROX LOC)
EX METER VAULT AND SERVICE RELOCATED (BY OTHERS)
℄ CONC DRIVE
℄ ASPH DRIVE
53+29.10 72.40' RT
89°57'30"
+38.13 ℄ CONC DRIVE
+04.34 ℄ ASPH DRIVE
+55.07 ℄ CONC DRIVE
88°19'27"
90°
86°36'21"
N 00° 11' 05" W
21" TYPE A
24" RCP
12" CMP
12" TYPE D
EX 12" CMP (TBR)
EX 12" WATER MAIN (DND)
4" PVC
ASPH.
CONC.

PVI STA 53+00.00
EL = 967.43'
200.00' VC
K = 133.3
LT SIDE FOLLOWS REF LINE NL PROFILE
STA 53+61.27
EL = 967.92
PVT STA 54+00.00
EL = 968.13
P/C STA 54+75.00
EL = 968.66
PVI STA 55+75.00
EL = 969.36'
200.00' VC
K = 71.5
PVT STA 56+75.00
EL = 967.26
MATCH EXISTING END PROFILE
STA 56+86.27
EL = 967.02±
PROFILE GRADE
EX GRADE
-0.80 %
+0.70 %
+0.70 %
-2.10 %
-2.10 %
-2.15%±

967.84 967.81 967.82 967.87 967.98 968.13 968.31 968.48 968.66 968.79 968.83 968.79 968.66 968.44 968.13 967.74 967.26
966.64 966.57 966.50 966.47 966.52 966.58 966.70 966.85 967.05 967.29 967.55 967.82 968.00 968.01 967.88 967.61 967.21 966.72 966.18 965.60
980 975 970 965 960 955 950 945
53+00 54+00 55+00 56+00 57+00

PLAN AND PROFILE - SR 252
STA 52+50 TO STA 57+50

CALCULATED MTL CHECKED BER

HORIZONTAL SCALE IN FEET 0 10 20 40

MED-57-17.52

31
118

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3340 COLUMBIA ROAD
3320 COLUMBIA ROAD
3300 COLUMBIA ROAD
3333 COLUMBIA ROAD
3309 COLUMBIA ROAD
3297 COLUMBIA ROAD
MATCH LINE STA 57+50 SEE SHEET 31
STONE
Ex U
DENSE TREES/BRUSH
EX 12" W
12" CMP
Ex R/W
58
59
60
61
62
℄ CONST SR 252
C7
C8
CONC
BURIED
BURIED (APPROX LOC)
12" CMP
CONC.
12" CPP
ASPH
SHED
EX GRADE
EX 12" CMP
EX 12" WATER MAIN (DND)
STA 62+36.544, 15.64' RT
EX CB, GRATE ELEV 956.18
EX 12" CPP (S) 954.26
EX 12" CPP (N) 954.26
STA 62+13.915, 16.05' RT
EX CB, GRATE ELEV 956.46
EX 12" CPP (S) 954.91
EX 12" CPP (N) 954.91
STA 61+92.255, 15.81' RT
EX CB, GRATE ELEV 956.95
EX 12" CPP (S) 955.50
EX 12" CPP (N) 955.50
980
975
970
965
960
955
950
945
964.97
964.33
963.68
963.05
962.46
961.93
961.44
961.03
960.61
960.22
959.82
959.41
959.06
958.72
958.36
958.06
957.76
957.47
957.15
956.85
58+00
59+00
60+00
61+00
62+00

HORIZONTAL SCALE IN FEET
0 10 20 40
CALCULATED MTL
CHECKED BER

PLAN AND PROFILE - SR 252
STA 57+50 TO STA 62+50

MED-57-17.52

32
118

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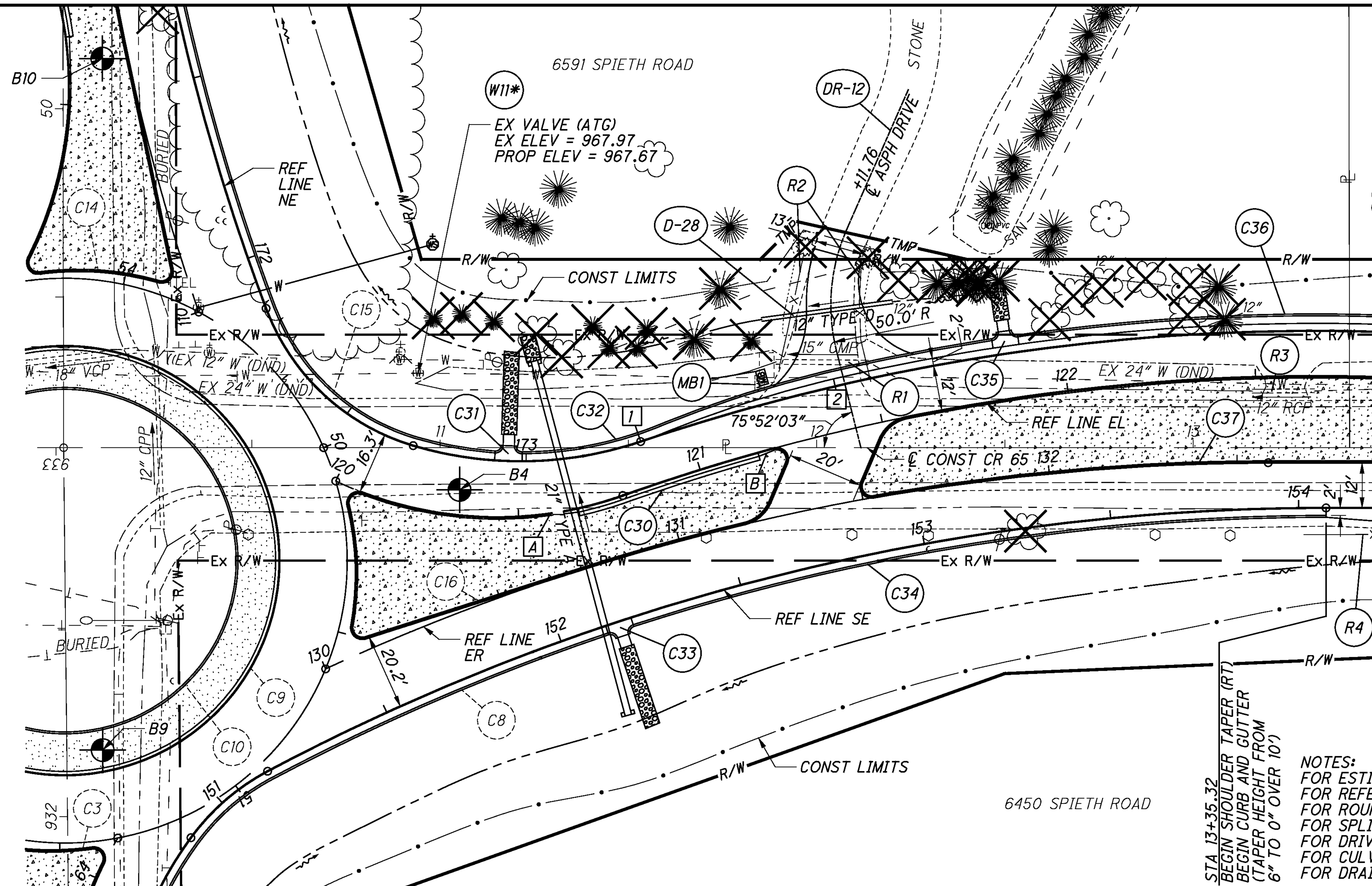
A STA 120+56.00 (EL) TO STA 120+66.00 (EL) TRANSITION FROM CURB, TYPE 6 TO CURB, TYPE 3-B, AS PER PLAN

B STA 121+16.00 (EL) TO STA 121+20.35 (EL) TRANSITION FROM CURB, TYPE 3-B, AS PER PLAN TO CURB, TYPE 6

1 STA 120+87.40, 12.0' LT (EL) BEGIN SHOULDER TAPER

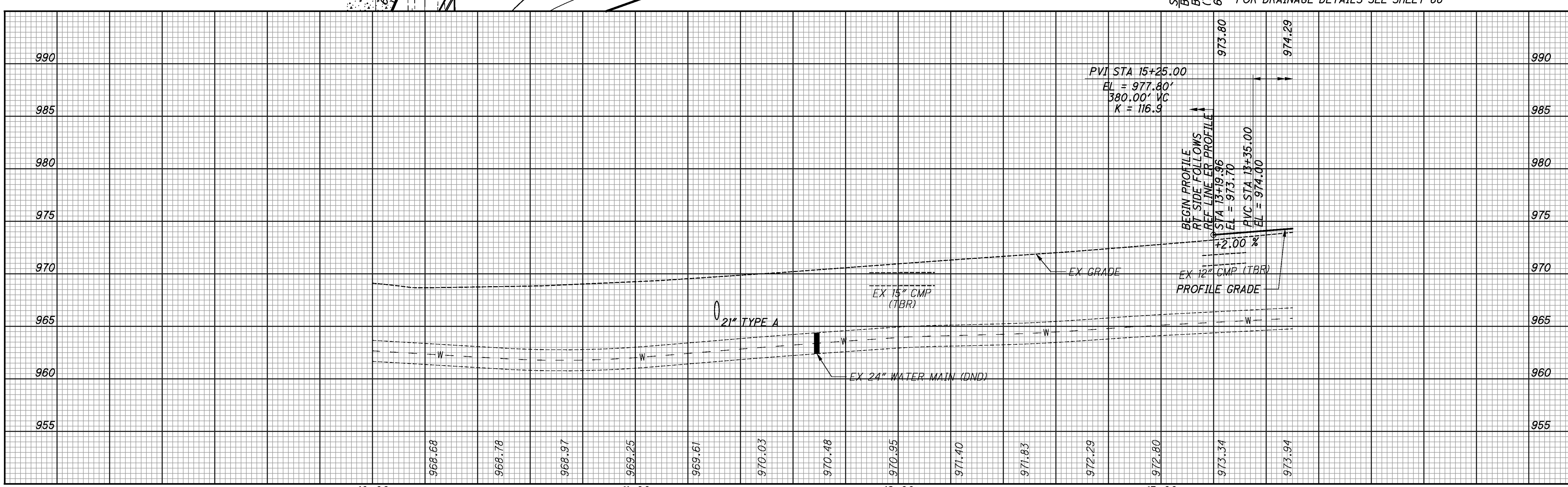
2 STA 121+39.98, 14.0' LT (EL) END SHOULDER TAPER



- ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED
- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

* PROJECT ELIGIBLE WATERLINE ITEMS

NOTES:
FOR ESTIMATED QUANTITIES SEE SHEETS 18 - 21
FOR REFERENCE LINE PROFILES SEE SHEETS 36 - 41
FOR ROUNDABOUT DETAILS SEE SHEET 70
FOR SPLITTER ISLAND DETAILS SEE SHEET 72
FOR DRIVEWAY DETAILS & ESTIMATED QUANTITIES SEE SHEET 73
FOR CULVERT DETAILS SEE SHEET 79
FOR DRAINAGE DETAILS SEE SHEET 88



HORIZONTAL SCALE IN FEET

CALCULATED MTL
CHECKED BER

PLAN AND PROFILE - CR 65
STA 10+00 TO STA 13+50

MED-57-17.52

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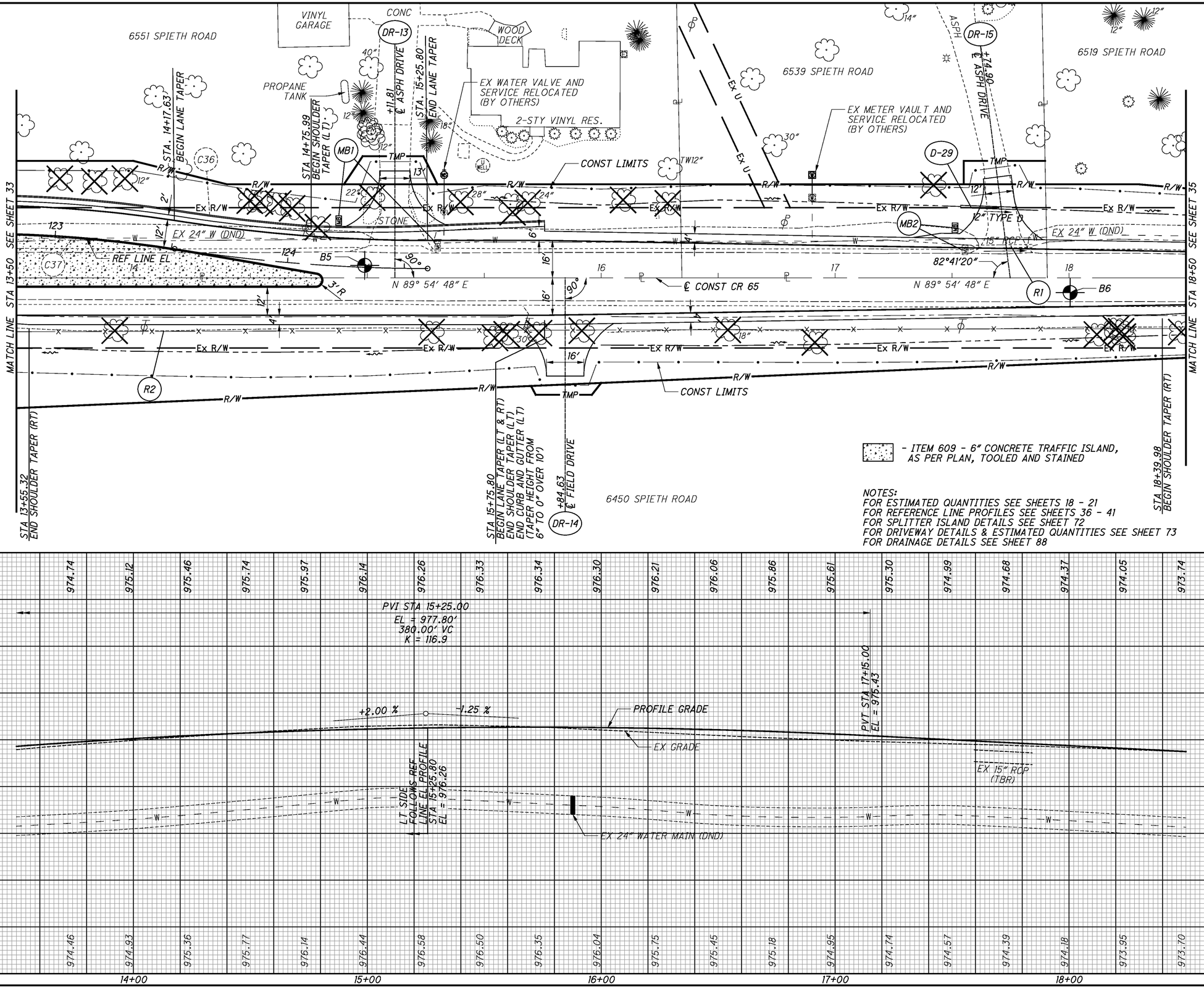
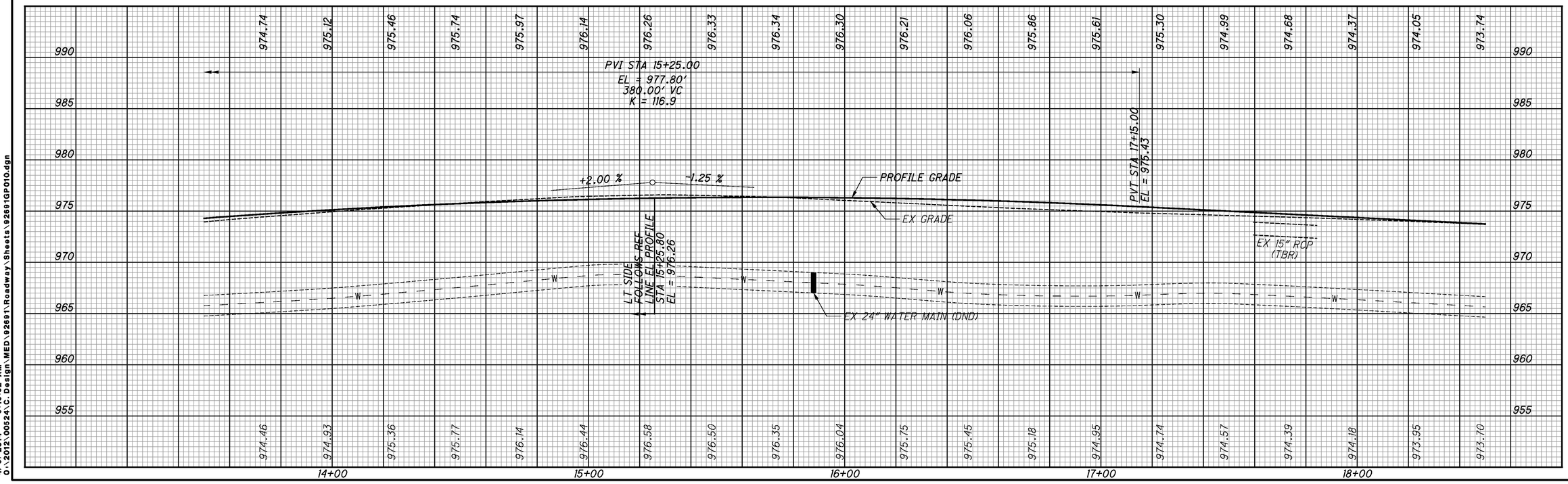


NOTES:
FOR ESTIMATED QUANTITIES SEE SHEETS 18 - 21
FOR REFERENCE LINE PROFILES SEE SHEETS 36 - 41
FOR SPLITTER ISLAND DETAILS SEE SHEET 72
FOR DRIVEWAY DETAILS & ESTIMATED QUANTITIES SEE SHEET 73
FOR DRAINAGE DETAILS SEE SHEET 88



PLAN AND PROFILE - CR 65
STA 13+50 TO STA 18+50

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED BER

MED-57-17.52

34
118

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6519 SPIETH ROAD

6505 SPIETH ROAD

6450 SPIETH ROAD

E120 (385)

END PROJECT
CR 65
STA 19+05.80

STA 19+05.80
END LANE TAPER (LT & RT)
END SHOULDER TAPER (LT & RT)

STA 18+90.02
BEGIN SHOULDER TAPER (RT)

CONST LIMITS

D-3

R1

R2

STONE

8" CPP (DND)

12" CPP

12" TYPE C

EX 24" W

℄ CONST CR 65

EX 12" CPP (DBR)

END WORK
CR 65
STA 19+52.00

MATCH LINE STA 18+50 SEE SHEET 34

Ex R/W

C3

C4

11.9'

10.6'

10.3'

4.51

NOTES:
FOR ESTIMATED QUANTITIES SEE SHEETS 18 - 21
FOR DRAINAGE DETAILS SEE SHEET 88

973.43

973.12

STA 19+00.00, 16.23' RT
CB-2-2B, GRATE ELEV 970.60
12" (E) 968.93

D-3

MATCH EXISTING END PROFILE
STA 19+05.80
EL = 973.04±

PROFILE GRADE
-1.25 %

-1.25%±

EX 12" CPP (DBR)

EX 8" CPP

EX GRADE

168' - 12" TYPE C @ 0.6%

EX 24" WATER MAIN (DND)

STA 19+83.490, 29.93' LT
EX CB, GRATE ELEV 971.29
EX 12" CPP (SW) 969.14
EX 8" CPP (NE) 969.24

STA 20+68.244, 25.36' LT
EX CB, GRATE ELEV 970.17
EX 12" CPP (NW) 968.01
EX 12" CPP (S) 968.01
12" (W) 968.01

STA 22+64.509, 16.89' LT
EX CB, GRATE ELEV 970.34
EX 12" CPP (E) 969.14

EX 12" CPP

990 985 980 975 970 965 960 955

973.43 973.12 972.82 972.53 972.25 971.99 971.74 971.51 971.31 971.20 971.11 971.05 971.05 971.16 971.28 971.32 971.33 971.31 971.29 971.28

19+00 20+00 21+00 22+00 23+00

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED BER

PLAN AND PROFILE - CR 65
STA 18+50 TO STA 23+50

MED-57-17.52

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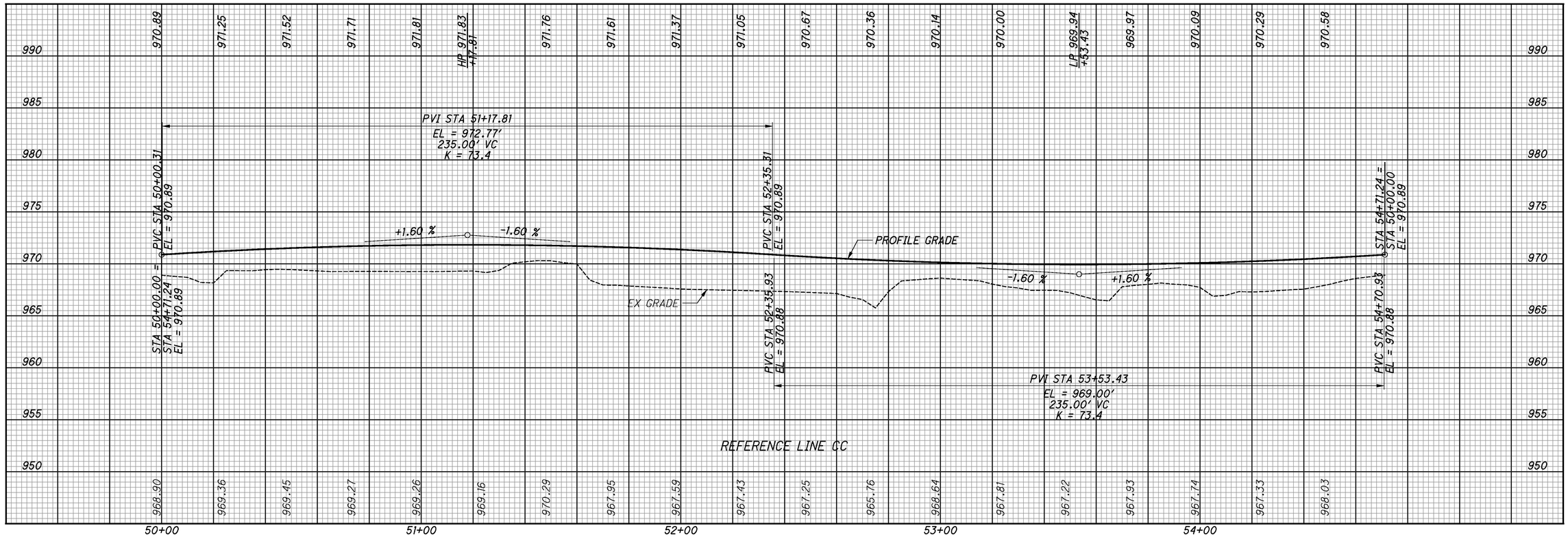
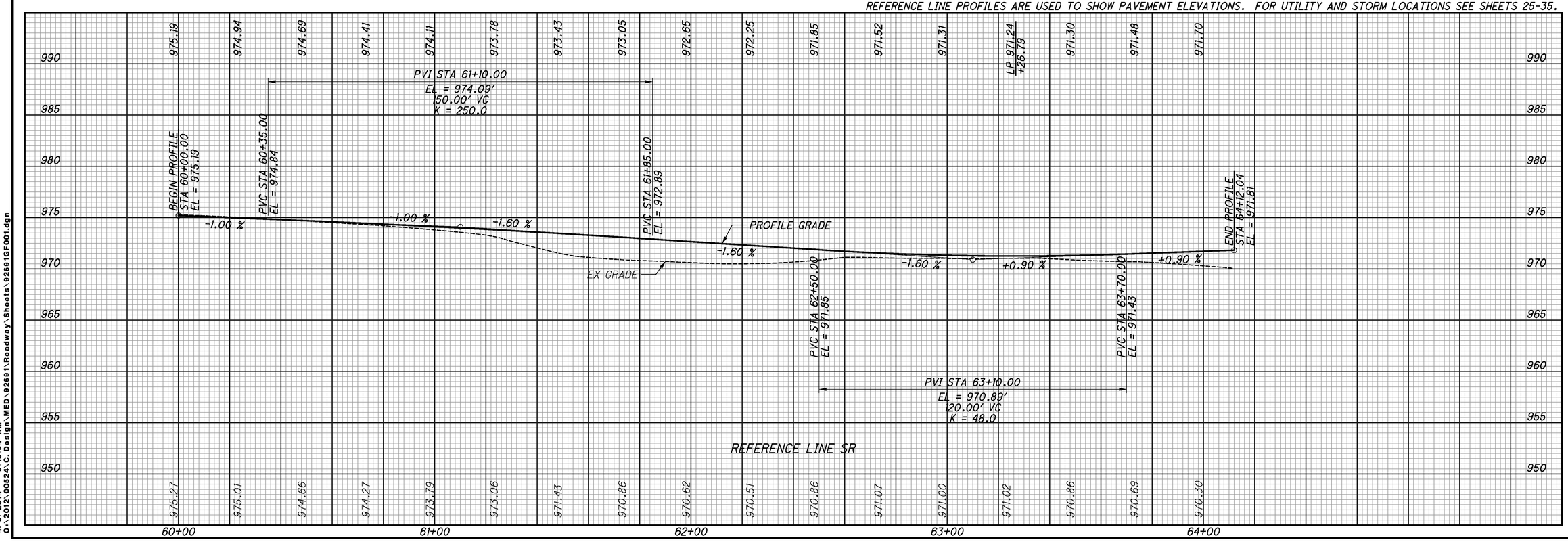


REFERENCE LINE PROFILES ARE USED TO SHOW PAVEMENT ELEVATIONS. FOR UTILITY AND STORM LOCATIONS SEE SHEETS 25-35.

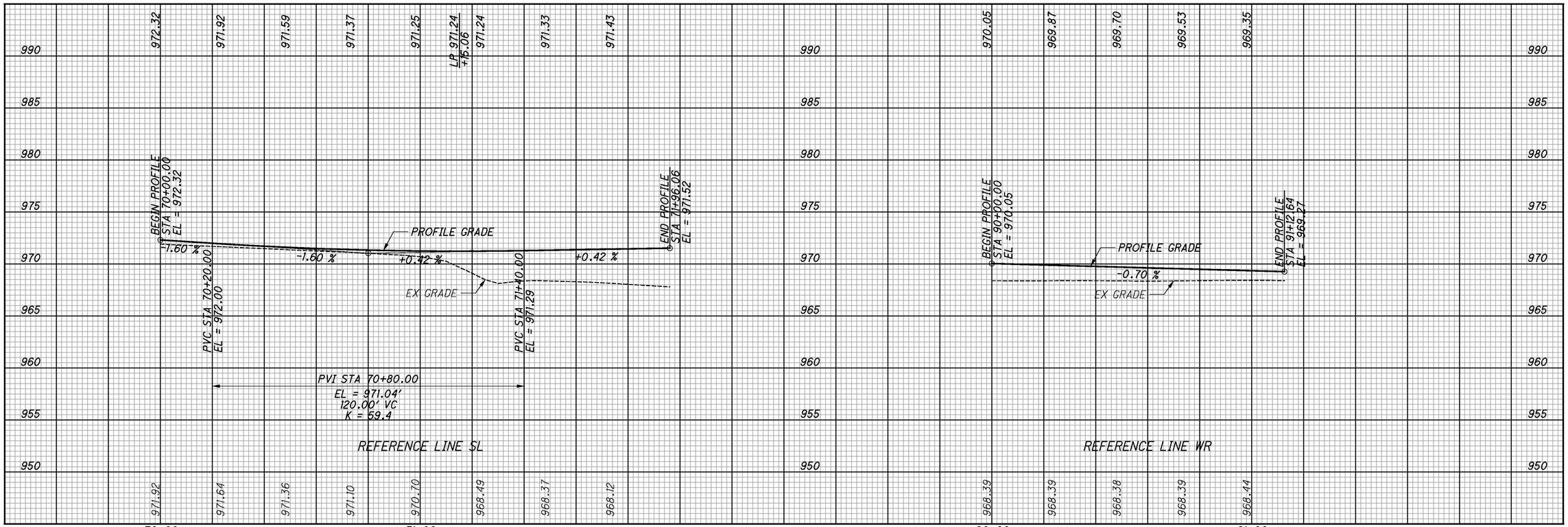


CALCULATED MTL
CHECKED BER

PROFILE
REFERENCE LINE CC AND SR

MED-57-17.52

36
118



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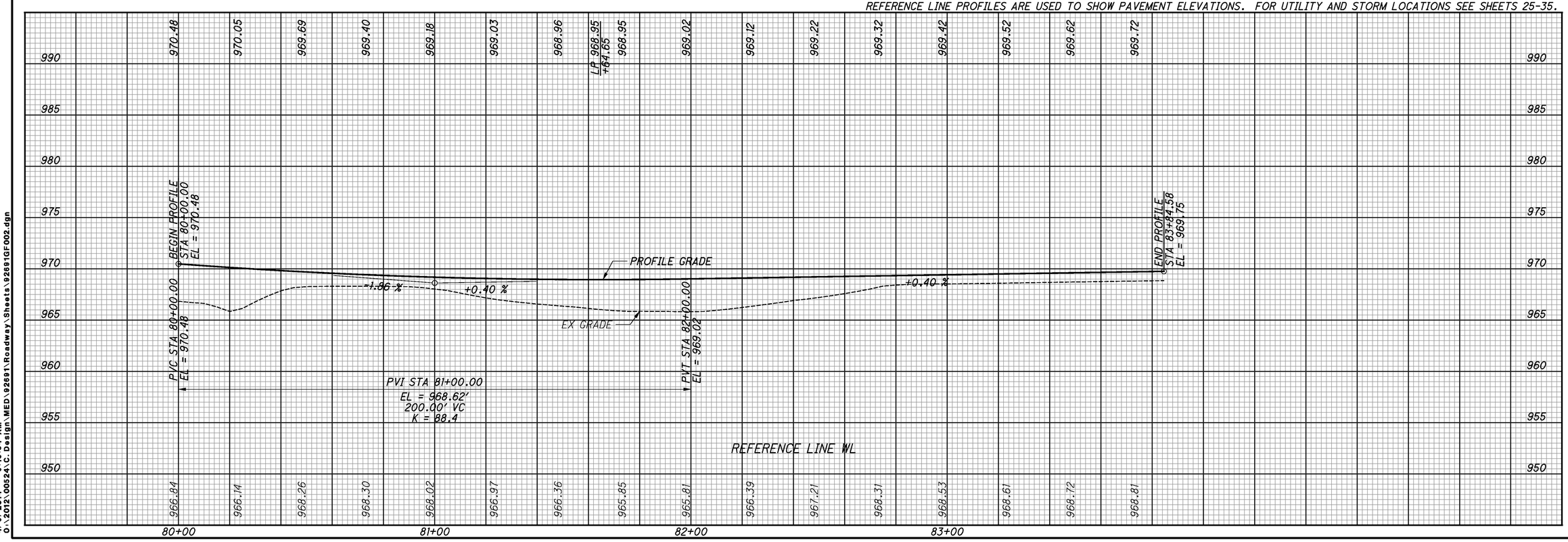

CALCULATED MTL
CHECKED BER

PROFILE
REFERENCE LINE SL, WR AND WL

MED-57-17.52

37
118

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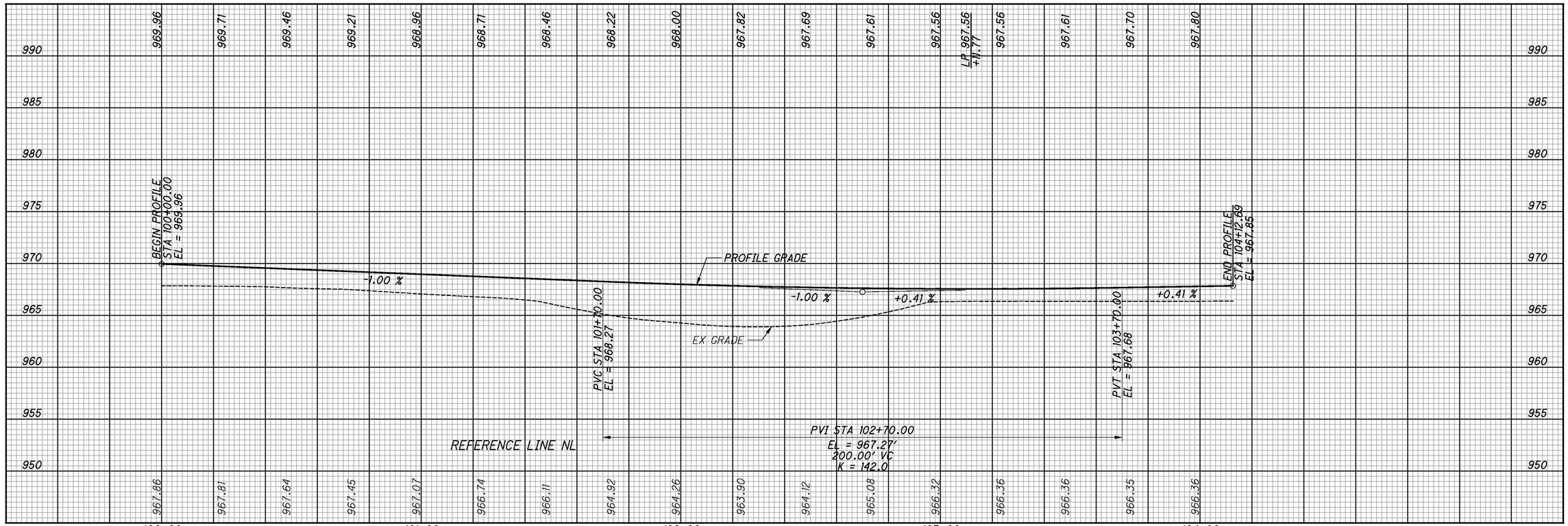
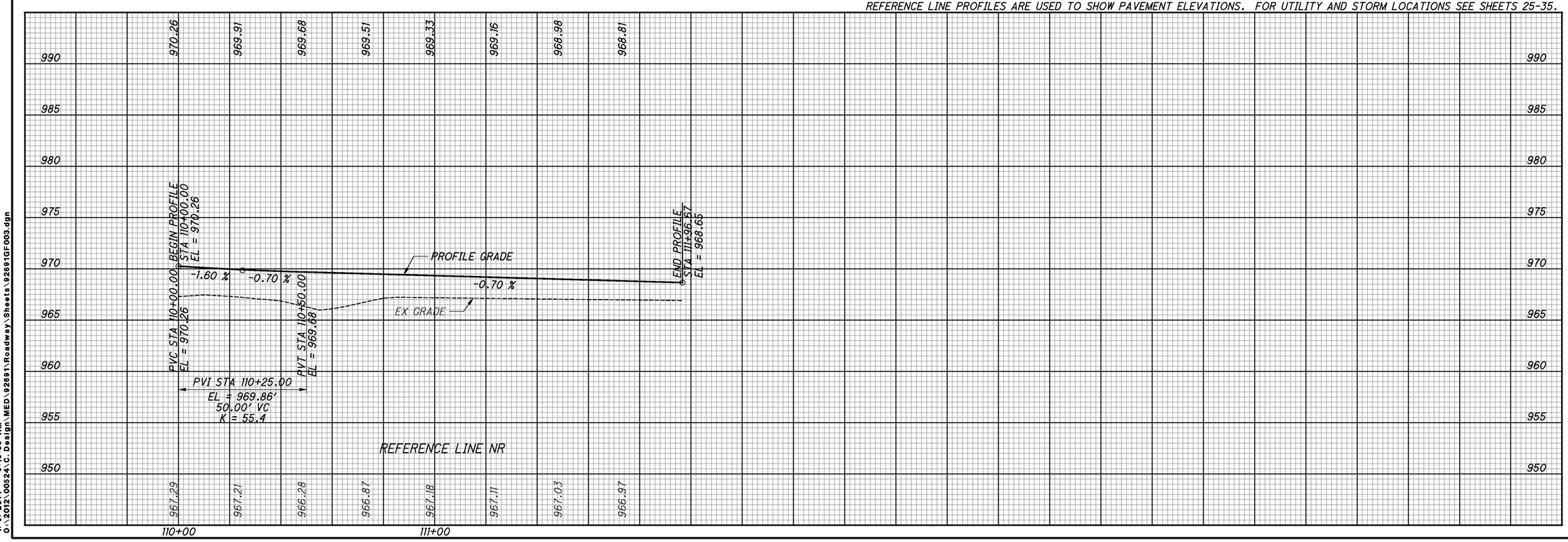


REFERENCE LINE PROFILES ARE USED TO SHOW PAVEMENT ELEVATIONS. FOR UTILITY AND STORM LOCATIONS SEE SHEETS 25-35.

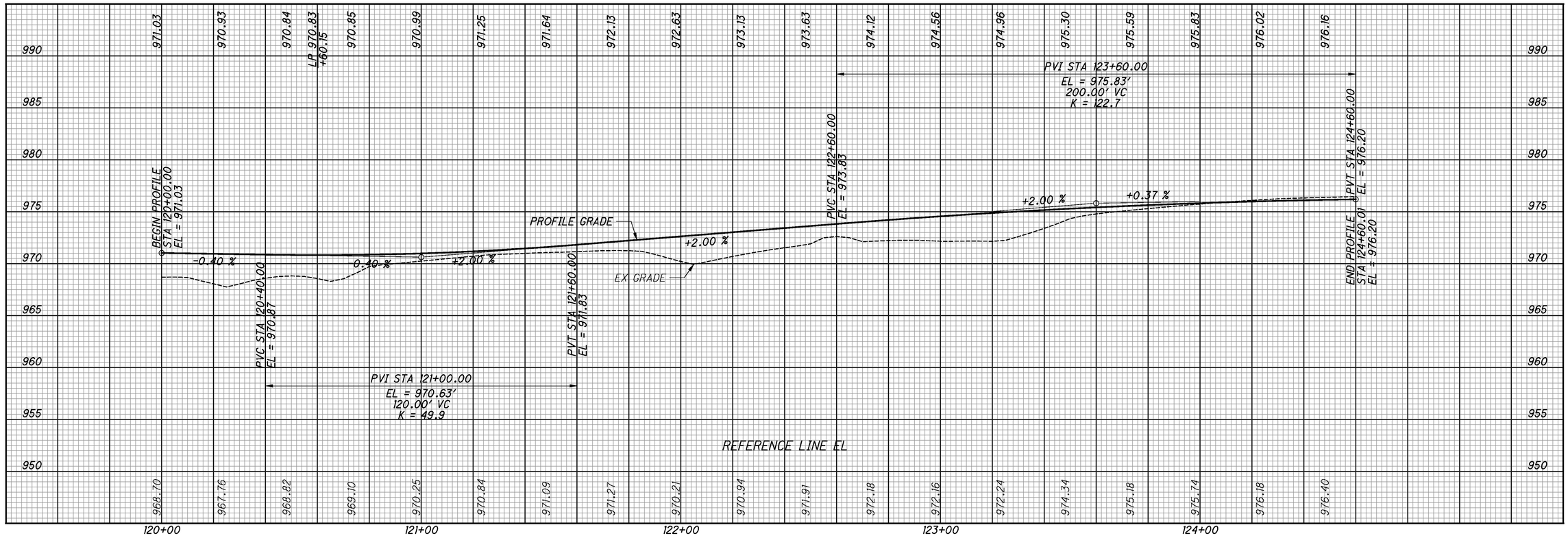


CALCULATED MTL
CHECKED BER

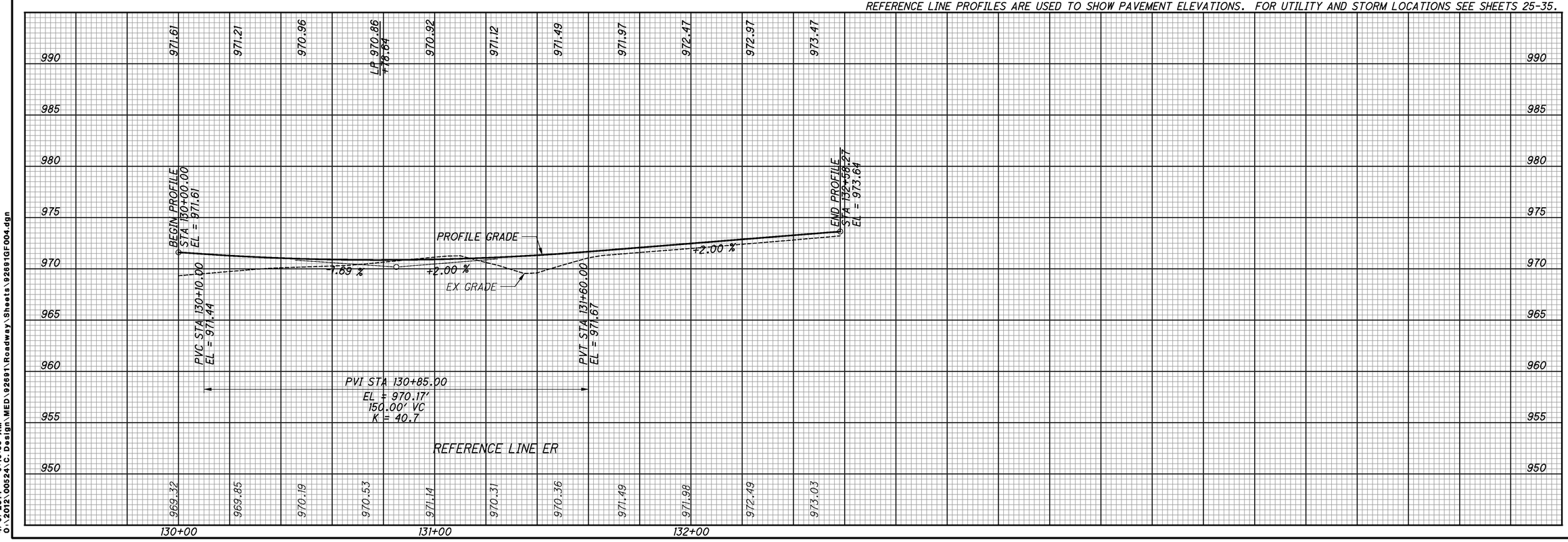
PROFILE REFERENCE LINE NL AND NR

MED-57-17.52

38
118



REFERENCE LINE PROFILES ARE USED TO SHOW PAVEMENT ELEVATIONS. FOR UTILITY AND STORM LOCATIONS SEE SHEETS 25-35.



CALCULATED MTL
CHECKED BER

PROFILE
REFERENCE LINE EL AND ER

MED-57-17.52

39
118

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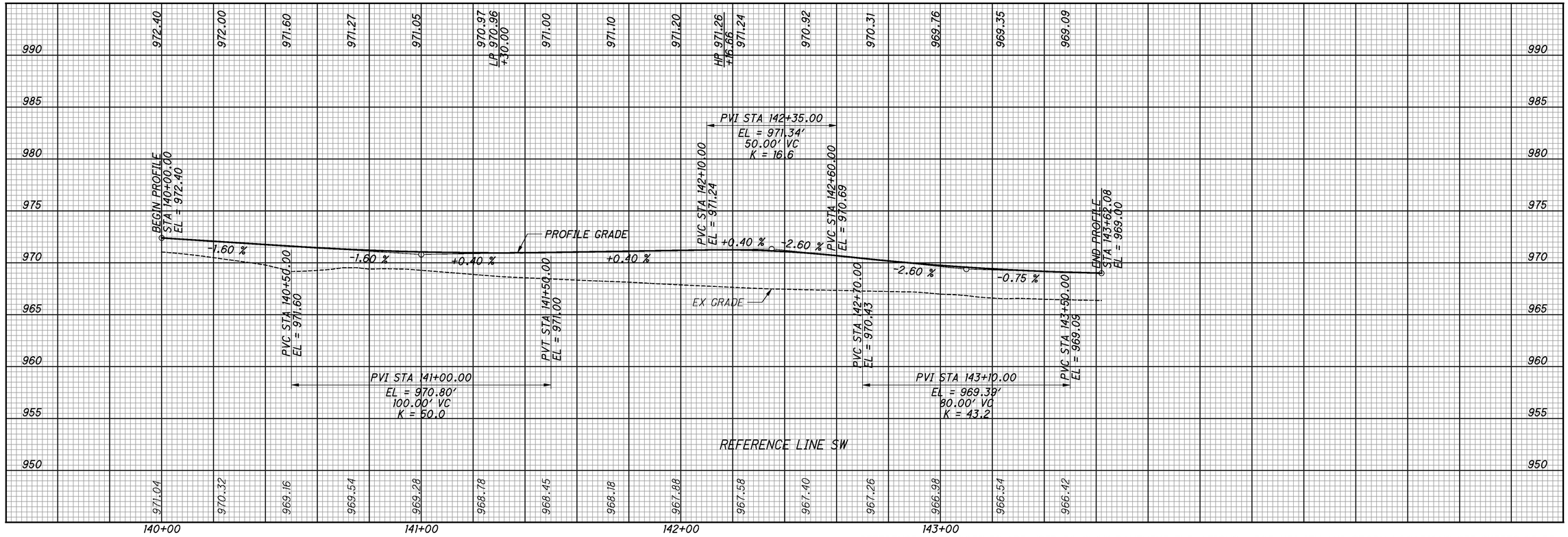

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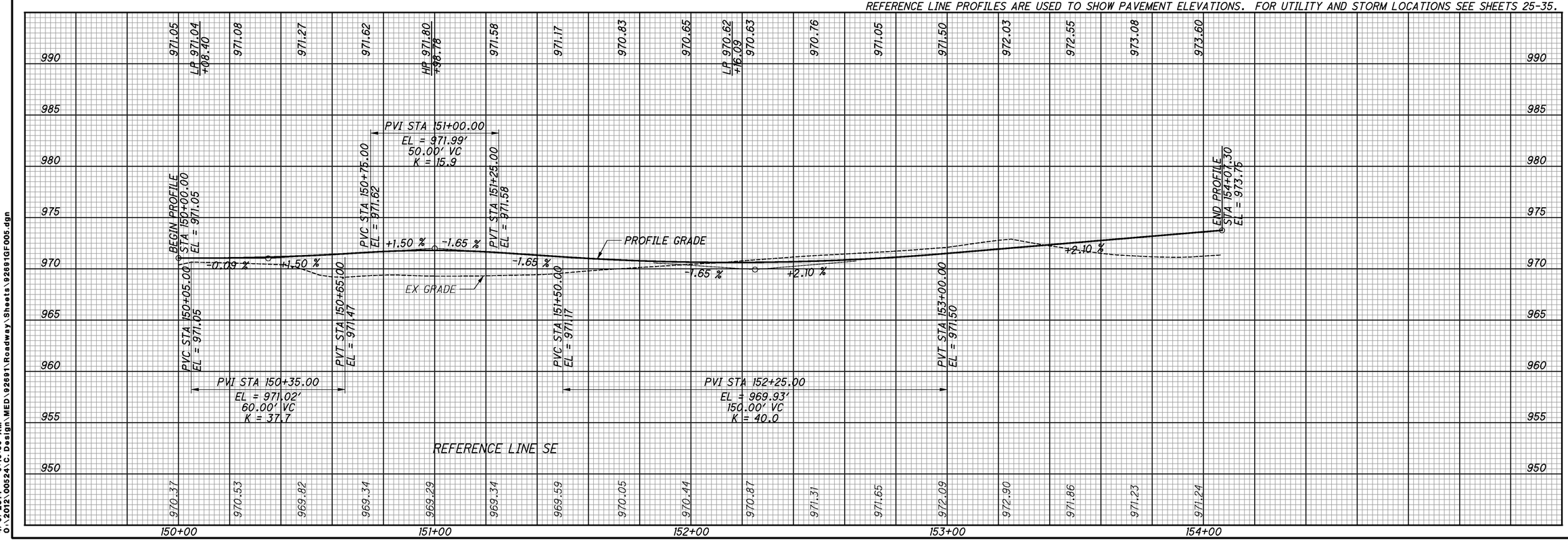
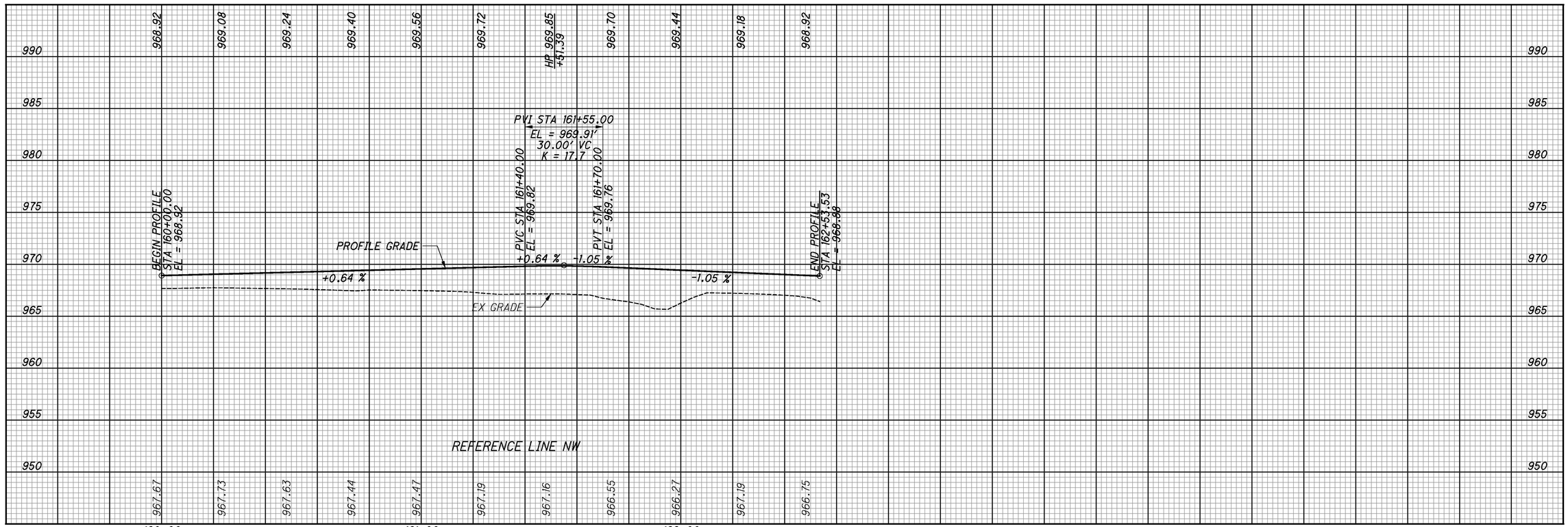


PROFILE REFERENCE LINE SW AND SE

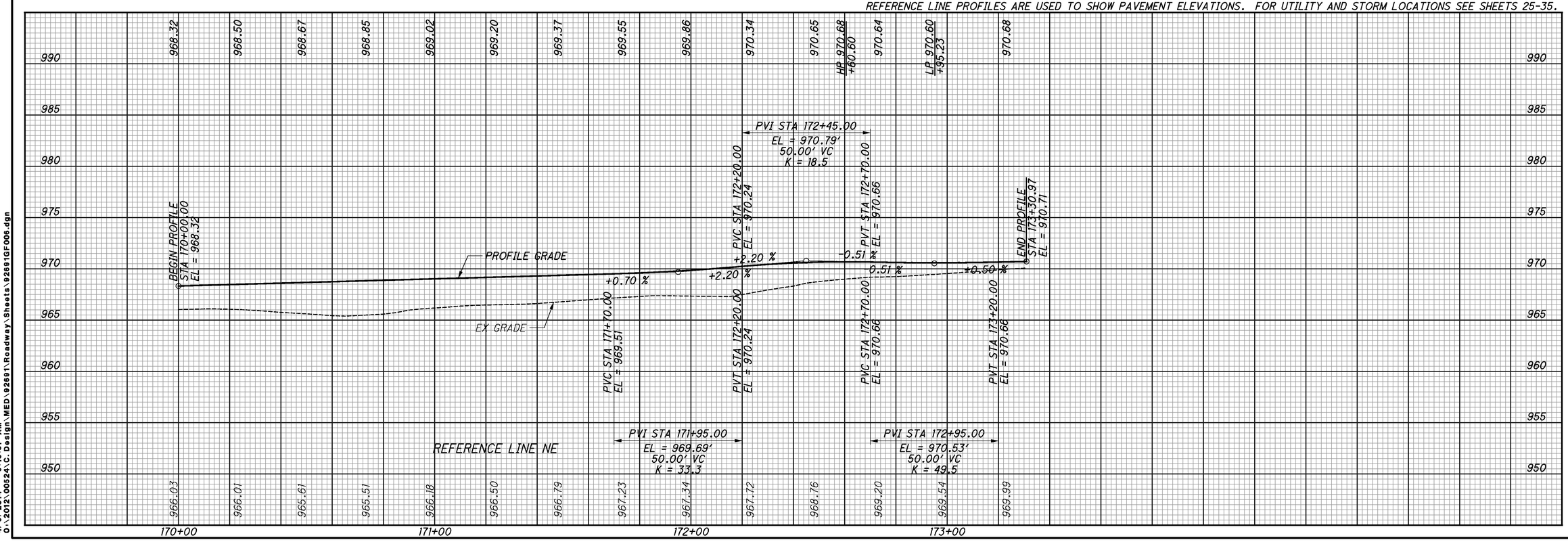
CALCULATED MTL
CHECKED BER

MED-57-17.52

40
118



REFERENCE LINE PROFILES ARE USED TO SHOW PAVEMENT ELEVATIONS. FOR UTILITY AND STORM LOCATIONS SEE SHEETS 25-35.

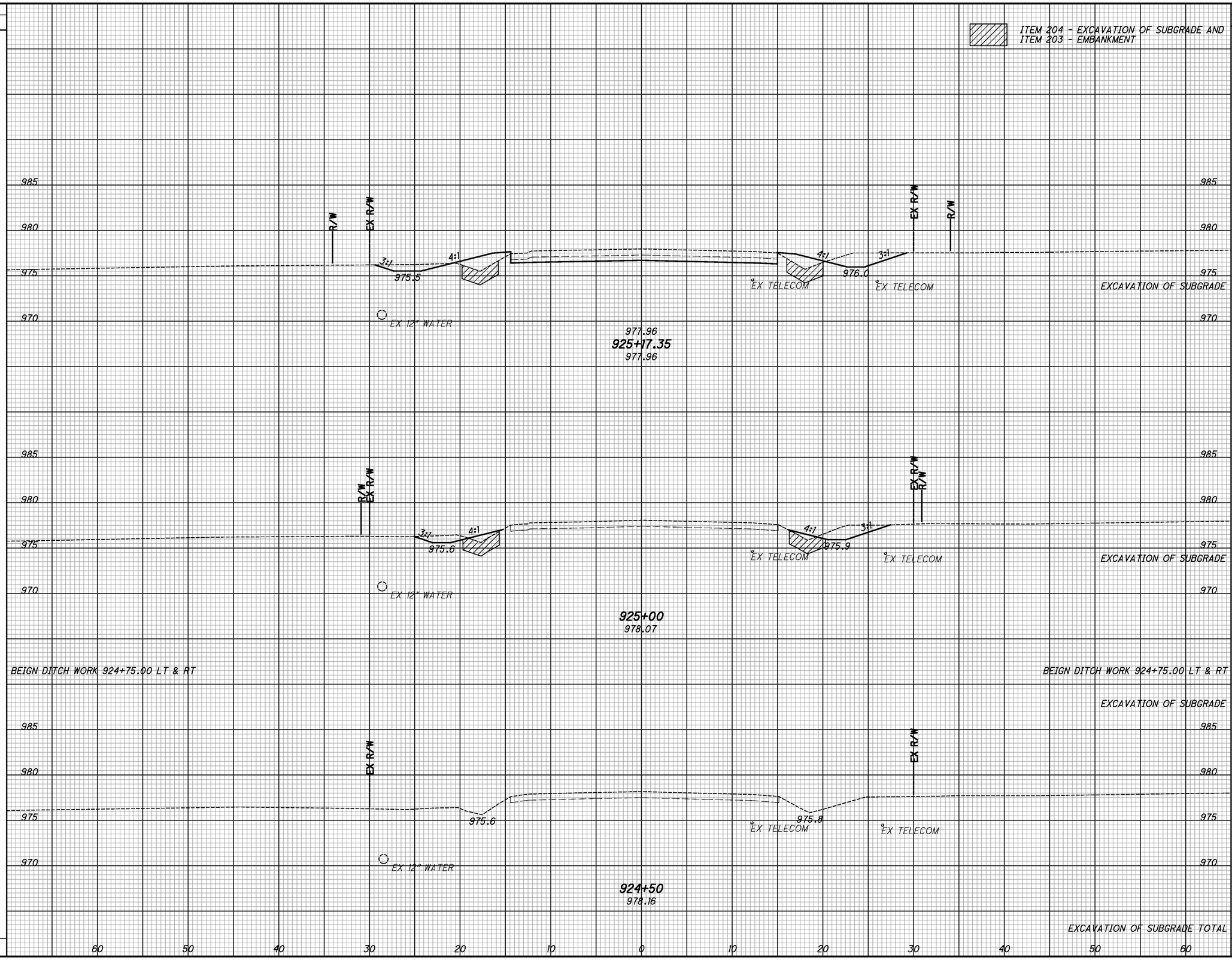


CALCULATED MTL
CHECKED BER

PROFILE REFERENCE LINE NW AND NE

MED-57-17.52

SEEDING END WIDTH	SEEDING SQ. YDS.
34	62
30	0
0	0
	62



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
48	22		
EXCAVATION OF SUBGRADE (12)		(8)	
		19	12
10	14		
EXCAVATION OF SUBGRADE (12)		(0)	
		0	0
0	0		
EXCAVATION OF SUBGRADE (0)			
		0	0
EXCAVATION OF SUBGRADE TOTAL		(8)	
		19	12

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 57 / SR 252
STA 924+50 TO STA 925+17.35

MED-57-17.52

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SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		ITEM 204 - EXCAVATION OF SUBGRADE AND ITEM 203 - EMBANKMENT				
	-34	DRIVE 926+66.76 LT				
37		TMP, R/W, EX R/W; 3:1, 4:1; 973.4; EX 12" WATER; EX TELECOM; EX TELECOM; 4:1, 3:1; 974.4; EX R/W; R/W; 976.63 926+50 976.46	44	27		
		EXCAVATION OF SUBGRADE	(12)		(22)	
	206				85	46
37		R/W, EX R/W; 3:1, 4:1; 974.2; EX 12" WATER; EX TELECOM; EX TELECOM; 4:1, 3:1; 975.0; EX R/W; R/W; 977.13 926+00 976.93	48	23		
		EXCAVATION OF SUBGRADE	(12)		(22)	
	206				94	43
	-31	DRIVE 925+78.60 RT				
37		R/W, EX R/W; 3:1, 4:1; 975.0; EX 12" WATER; EX TELECOM; EX TELECOM; 4:1, 3:1; 975.6; EX R/W; R/W; 977.63 925+50 977.53	53	23		
		EXCAVATION OF SUBGRADE	(12)		(15)	
	129				61	27
	476	EXCAVATION OF SUBGRADE TOTAL			(59)	
					240	116

60 50 40 30 20 10 0 10 20 30 40 50 60

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 57 / SR 252
STA 925+50 TO STA 926+50

MED-57-17.52

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
47	253	64	23		
		(12)		(22)	
				109	48
44	233	54	29		
		(12)		(22)	
				95	54
40	214	49	29		
		(12)		(22)	
				86	52
	700			(66)	
				290	154

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

985 / 980 / 975 / 970

R/W — EX R/W — EX R/W — R/W

3:1 — 4:1 — 4:1 — 3:1

EXCAVATION OF SUBGRADE

971.8 — 972.6

EX 12" WATER — EX TELECOM — EX TELECOM

975.13 — SR — 975.07

928+00

975.22

972.2 — 973.2

975.63

927+50

975.69

973.8

976.13

927+00

976.09

EXCAVATION OF SUBGRADE TOTAL

60 50 40 30 20 10 0 10 20 30 40 50 60

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 57 / SR 252
STA 927+00 TO STA 928+00

MED-57-17.52

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SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
46	258	41	31		
		(12)		(22)	
				84	52
47	261	50	25		
		(12)		(22)	
				103	44
47	261	61	23		
		(12)		(22)	
				116	43
	780			(66)	
				303	139

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

980 / 975 / 970 / 965

R/W — EX R/W — EX R/W — R/W

3:1 — 4:1 — 4:1 — 3:1

970.3 — 970.8

EX 12" WATER

EX TELECOM — EX TELECOM

EXCAVATION OF SUBGRADE

973.32 SR 973.23
929+50
972.98

971.0 — 971.4

EX 12" WATER

EX TELECOM — EX TELECOM

EXCAVATION OF SUBGRADE

974.02 SR 973.94
929+00
973.85

971.4 — 972.0

EX 12" WATER

EX TELECOM — EX TELECOM

EXCAVATION OF SUBGRADE

974.62 SR 974.55
928+50
974.63

EXCAVATION OF SUBGRADE TOTAL

60 50 40 30 20 10 0 10 20 30 40 50 60

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 57 / SR 252
STA 928+50 TO STA 929+50

MED-57-17.52

SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
45	125	36	34	(11)	
		(12)			34
45	256	38	31	(22)	
		(12)			69
47	258	36	34	(22)	
		(12)			71
	639			(55)	174
					150

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

980 / 975 / 970 / 965

R/W — EX R/W — EX R/W — R/W

3:1 — 4:1 — 4:1 — 3:1

968.4 — 969.3 — EXCAVATION OF SUBGRADE

EX 12" WATER

EX TELECOM — EX TELECOM

SL 971.44 — SR 971.39

930+75
971.35

968.8 — 969.6 — EXCAVATION OF SUBGRADE

EX 12" WATER

EX TELECOM — EX TELECOM

SL 971.70 — SR 971.66

930+50
971.58

969.5 — 970.2 — EXCAVATION OF SUBGRADE

EX 12" WATER

EX TELECOM — EX TELECOM

SR 972.53 — SR 972.44

930+00
972.16

EXCAVATION OF SUBGRADE TOTAL

60 50 40 30 20 10 0 10 20 30 40 50 60

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 57 / SR 252
STA 930+00 TO STA 930+75

MED-57-17.52

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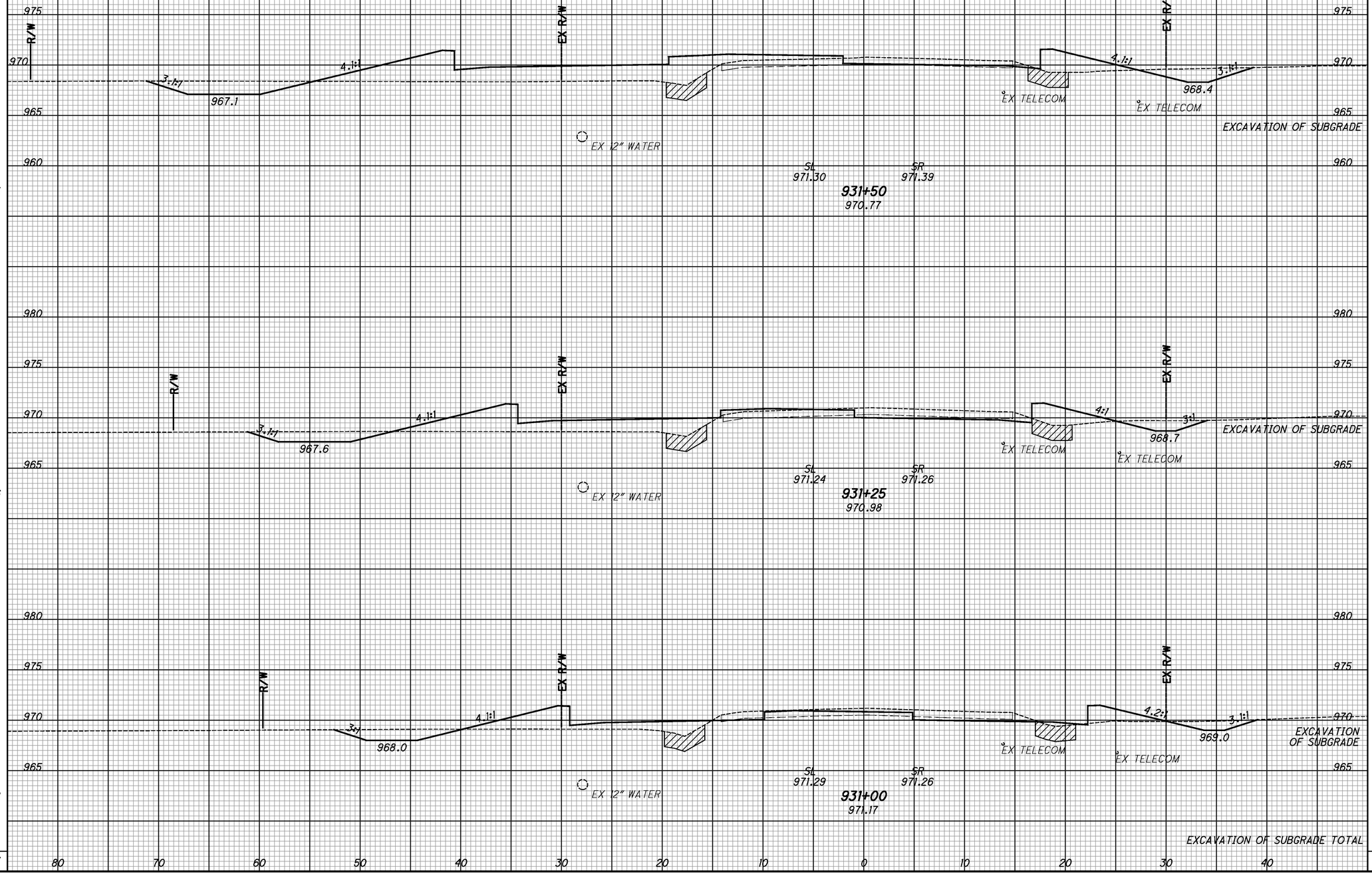
SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
59	153	35	98	(11)	31 76
51	136	32	66	(11)	30 51
47	128	32	45	(11)	31 37
	417			(33)	92 164

CALCULATED MTL
CHECKED BER

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT



CROSS SECTIONS - SR 57 / SR 252
STA 931+00 TO STA 931+50

MED-57-17.52

47
118

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SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
78			47	116		
			(6)		(6)	
	233				55	129
90			71	162		
			(6)		(0)	
	1061	ROUNDABOUT (NOT INCLUDING CENTER CIRCLE)			(88) 218	2581
73			40	155		
			(12)		(11)	
	183				35	117
	1477				(105) 308	2827

ITEM 204 - EXCAVATION OF SUBGRADE AND ITEM 203 - EMBANKMENT

ITEM 206 - LIME STABILIZED SUBGRADE, 12 INCHES DEEP

NOTES:
FOR CULVERT DETAILS SEE SHEET 78

975 / 970 / 965 / 960

R/W — 3:1 — 964.8 — 2:1 — 8.7:1 — EX R/W — EX TELECOM — EX TELECOM — EX TELECOM — 96' - 15" TYPE A @ 0.55% — EX 12" STM — EX 24" WATER — EX 12" WATER — 7.6:1 — EX R/W — 2:1 — 3:1 — 964.3 — EXCAVATION OF SUBGRADE — R/W

WL 969.59 — WR 969.58 — 934+25 — 968.45

4.1:1 — 965.4 — MATCH LINE SEE BELOW

80 70 60 / 60 50 40

SEE ABOVE MATCH LINE — 5.5:1 — EX R/W — EX TELECOM — EX TELECOM — EX TELECOM — EX 12" STM — EX 24" WATER — EX 12" WATER — 4.2:1 — 3.1:1 — 964.2 — EXCAVATION OF SUBGRADE — EX R/W

WL 969.94 — WR 969.75 — 934+00 — 968.48

ROUNDABOUT

3.2:1 — 4.3:1 — 966.6 — MATCH LINE SEE BELOW

SEE ABOVE MATCH LINE — 4.3:1 — EX R/W — EX TELECOM — EX TELECOM — EX TELECOM — EX 12" WATER — 4.6:1 — 3.6:1 — 968.4 — EXCAVATION OF SUBGRADE — EX R/W

SL 971.40 — SR 971.62 — 931+75 — 970.55

EXCAVATION OF SUBGRADE TOTAL

60 50 40 30 20 10 0 10 20 30 40 50 60

CALCULATED MTL — CHECKED BER

CROSS SECTIONS - SR 57 / SR 252
STA 931+75 TO STA 934+25

MED-57-17.52

48 / 118

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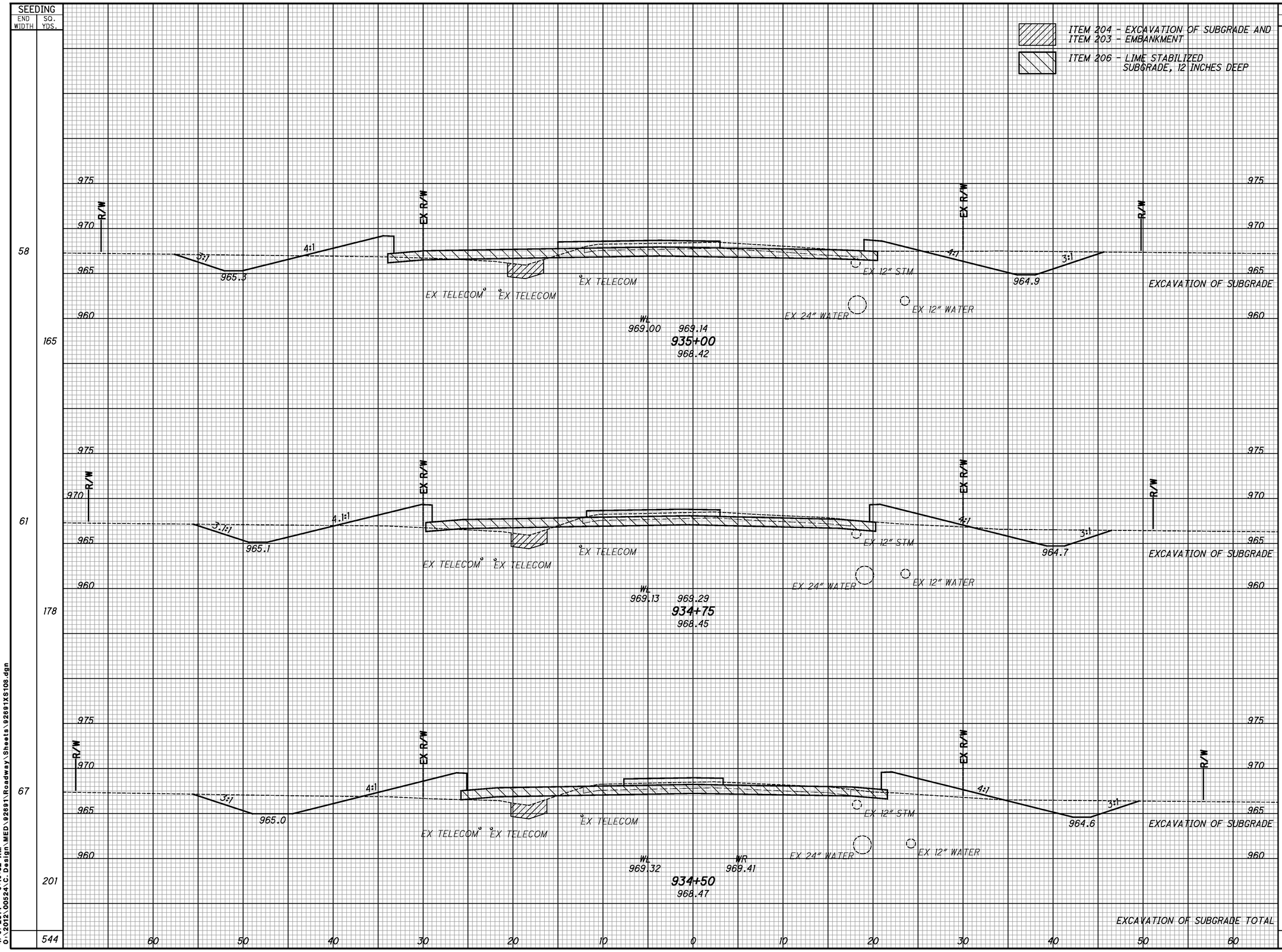
SEEDING	
END WIDTH	SQ. YDS.
58	165
61	178
67	201
	544



END AREA		VOLUME	
CUT	FILL	CUT	FILL
47	59		
		(6)	
EXCAVATION OF SUBGRADE		(6)	
		38	57
36	64		
		(6)	
EXCAVATION OF SUBGRADE		(6)	
		36	61
41	68		
		(6)	
EXCAVATION OF SUBGRADE		(6)	
		41	85
EXCAVATION OF SUBGRADE TOTAL		(18)	
		115	203

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 57
STA 934+50 TO STA 935+00

MED-57-17.52

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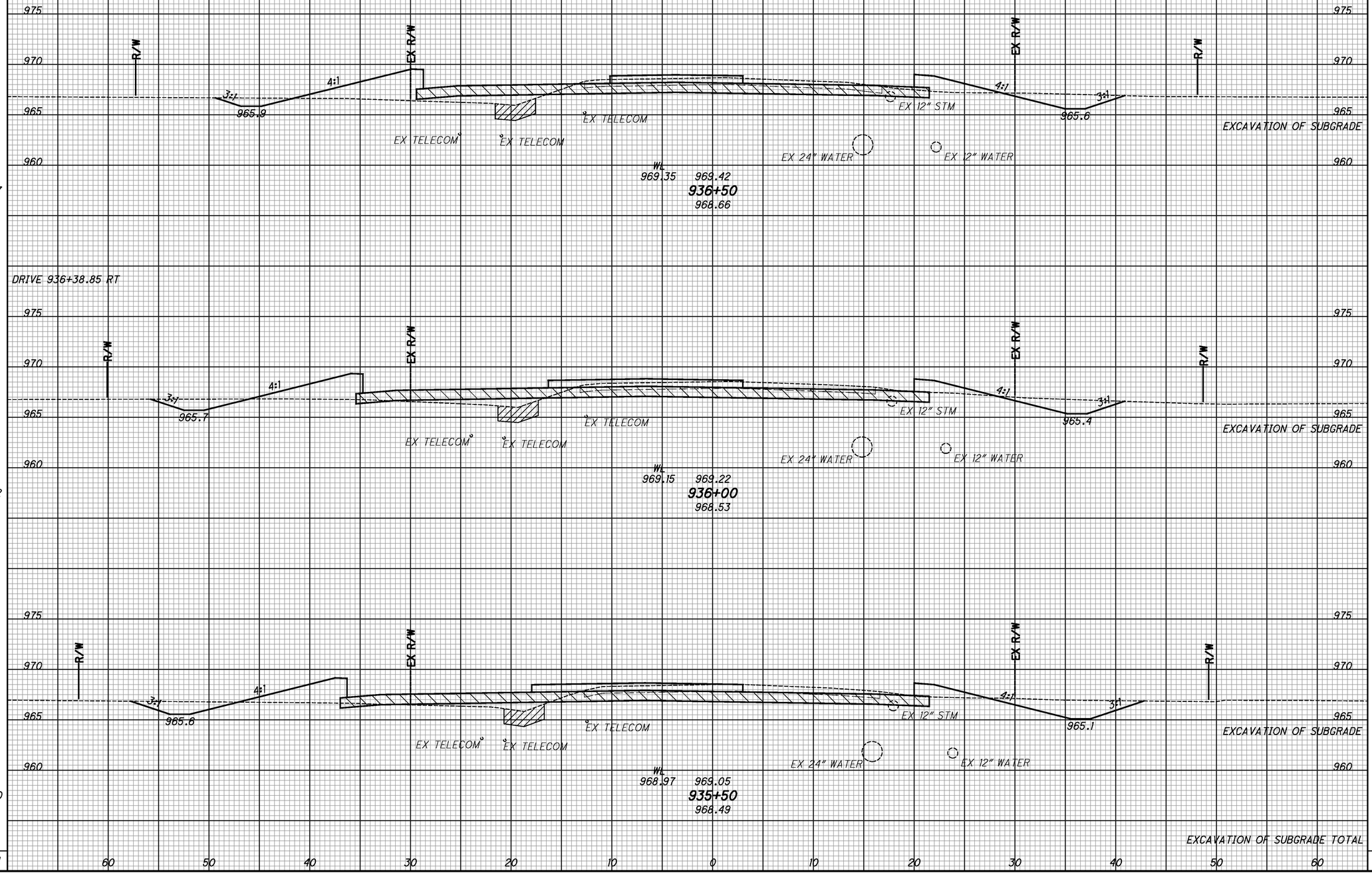
SEEDING END WIDTH	SEEDING SQ. YDS.	
48	267	
	12	DRIVE 936+38.85 RT
48	272	
50	300	
	851	

ITEM 204 - EXCAVATION OF SUBGRADE AND ITEM 203 - EMBANKMENT

ITEM 206 - LIME STABILIZED SUBGRADE, 12 INCHES DEEP



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
19	68		
(6)		(11)	
		39	126
23	68		
(6)		(11)	
		51	126
32	68		
(6)		(11)	
		73	118
		(33)	
		163	370

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 57
STA 935+50 TO STA 936+50

MED-57-17.52

50
118

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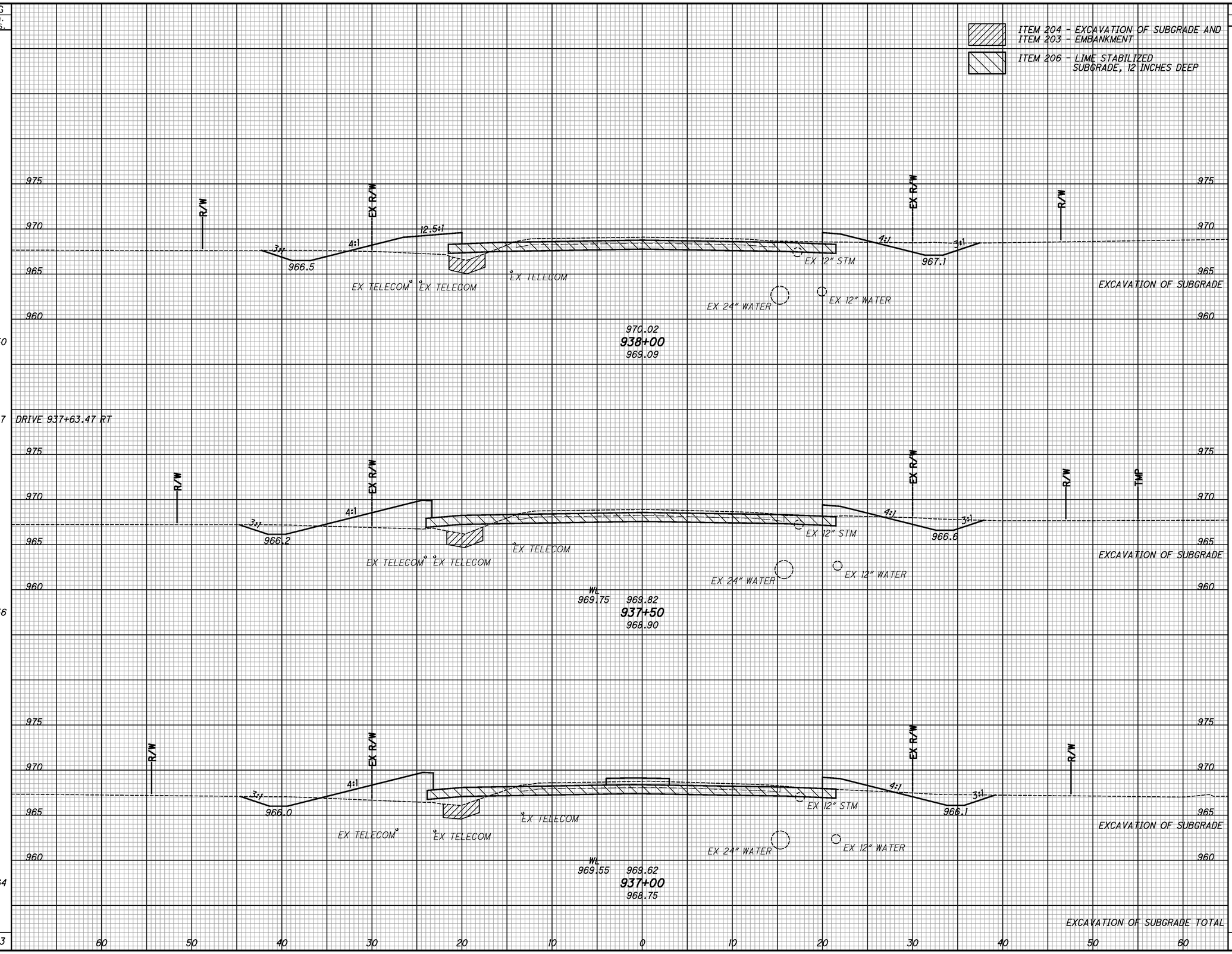
SEEDING END WIDTH	SEEDING SQ. YDS.
45	250
-57	DRIVE 937+63.47 RT
45	256
47	264
	713

ITEM 204 - EXCAVATION OF SUBGRADE AND ITEM 203 - EMBANKMENT

ITEM 206 - LIME STABILIZED SUBGRADE, 12 INCHES DEEP



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL	
26	36			
				EXCAVATION OF SUBGRADE
(6)		(11)		
22	45			
				EXCAVATION OF SUBGRADE
(6)		(11)		
20	52			
				EXCAVATION OF SUBGRADE
(6)		(11)		
		44	75	
		39	90	
		36	111	
		(33)		EXCAVATION OF SUBGRADE TOTAL
		119	276	

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 57
STA 937+00 TO STA 938+00

MED-57-17.52

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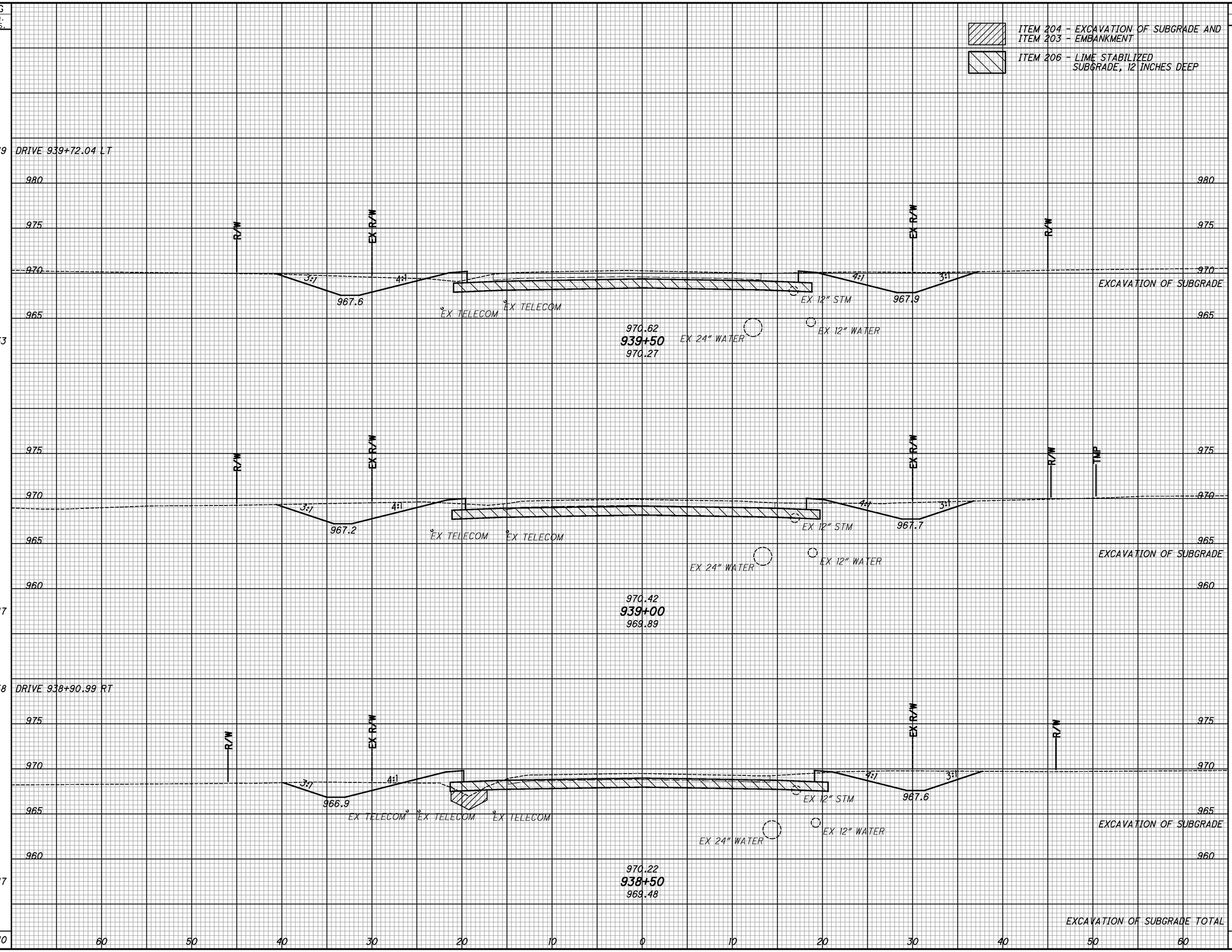
SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
		ITEM 204 - EXCAVATION OF SUBGRADE AND ITEM 203 - EMBANKMENT ITEM 206 - LIME STABILIZED SUBGRADE, 12 INCHES DEEP				
	-49	DRIVE 939+72.04 LT				
46			75	7		
		EXCAVATION OF SUBGRADE	(0)		(0)	
	253	970.62 **939+50** 970.27			129	13
45			64	7		
		EXCAVATION OF SUBGRADE	(0)		(6)	
	247	970.42 **939+00** 969.89			106	25
	-58	DRIVE 938+90.99 RT				
44			51	20		
		EXCAVATION OF SUBGRADE	(6)		(11)	
	247	970.22 **938+50** 969.48			71	52
		EXCAVATION OF SUBGRADE TOTAL			(17)	
	640				306	90



CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 57
STA 938+50 TO STA 939+50

MED-57-17.52

52
118

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SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	-8	MAIL BOX APPROACH 941+28.17 LT				
	-50	DRIVE 941+04.94 RT				
46			90	9		
	250		(0)		(0)	
					150	16
44			72	8		
	247		(0)		(0)	
					132	15
45			71	8		
	253		(0)		(0)	
					135	14
	692	EXCAVATION OF SUBGRADE TOTAL			(0)	
					417	45

ITEM 204 - EXCAVATION OF SUBGRADE AND ITEM 203 - EMBANKMENT

ITEM 206 - LIME STABILIZED SUBGRADE, 12 INCHES DEEP

980 / 975 / 970 / 965

R/W — EX R/W — TMP — R/W — EX R/W

3:1 — 4:1 — 4:1 — 3:1

968.0 — 968.2

EX TELECOM — EX TELECOM — EX 12" STM — EX 12" WATER — EX 24" WATER

971.22
941+00
971.29

EXCAVATION OF SUBGRADE

967.9 — 968.1

EX TELECOM — EX TELECOM — EX 12" STM — EX 12" WATER — EX 24" WATER

971.02
940+50
970.98

EXCAVATION OF SUBGRADE

967.7 — 968.0

EX TELECOM — EX TELECOM — EX 12" STM — EX 12" WATER — EX 24" WATER

970.82
940+00
970.61

EXCAVATION OF SUBGRADE TOTAL

60 50 40 30 20 10 0 10 20 30 40 50 60

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 57
STA 940+00 TO STA 941+00

MED-57-17.52

53
118

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SEEDING END WIDTH	SEEDING SQ. YDS.
0	
	72
26	
	0
27	
	202
	274

ITEM 204 - EXCAVATION OF SUBGRADE AND ITEM 203 - EMBANKMENT

ITEM 206 - LIME STABILIZED SUBGRADE, 12 INCHES DEEP

END DITCH WORK 942+00.00 LT

980

975

970

965

R/W

EX R/W

4:1

4:1

969.0

EX TELECOM

EX TELECOM

D-1

6.6:1

2.00%

12" TYPE C

EX 24" WATER

EX 12" WATER

941+50

971.42

50.9:1

EX 12" STM

971.42

941+49.83

971.42

60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0	0		
		(0)	
		4	4
4	4		
(0)		(0)	
		0	0
38	16		
(6)		(6)	
		118	23
		(6)	
		122	27

END DITCH WORK 942+00.00 LT 0 0

EXCAVATION OF SUBGRADE (0) (0)

980

975

970

965

EXCAVATION OF SUBGRADE (0) (0)

EXCAVATION OF SUBGRADE (6) (6)

EXCAVATION OF SUBGRADE TOTAL (6) (6)

CALCULATED MTL

CHECKED BER

CROSS SECTIONS - SR 57
STA 941+49.83 TO STA 941+50

MED-57-17.52

54
118

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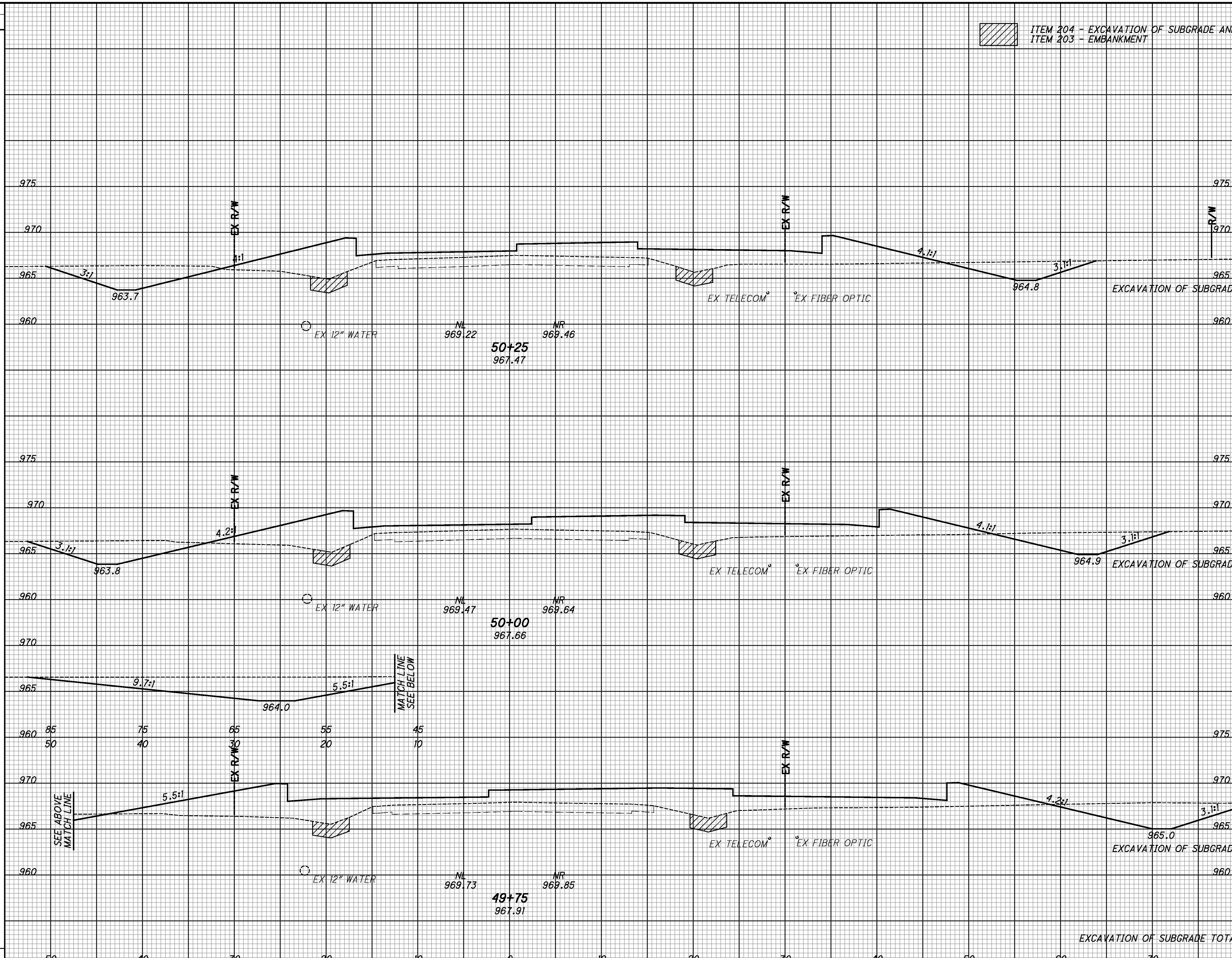

Station	SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
50+25	71		48	131		
50+25 EXCAVATION OF SUBGRADE			(12)		(11)	
		203			47	126
50+00	75		54	142		
50+00 EXCAVATION OF SUBGRADE			(12)		(11)	
		247			69	146
49+75	103		96	174		
49+75 EXCAVATION OF SUBGRADE			(12)		(0)	
		0			0	0
EXCAVATION OF SUBGRADE TOTAL					(22)	
		450			116	272

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 252
STA 49+75 TO STA 50+25

MED-57-17.52

mlong STIMESTA MPS
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SEEDING		END AREA		VOLUME		
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL	
						ITEM 204 - EXCAVATION OF SUBGRADE AND ITEM 203 - EMBANKMENT
67	186	33	140			R/W, EX R/W, 4:1, 3:1, 963.4, EX 12" WATER, NL 968.46, NR 968.93, 51+00 967.06, EX TELECOM, EX FIBER OPTIC, 964.3, EXCAVATION OF SUBGRADE
		(12)		(11)		
				31	131	
67	192	33	142			R/W, EX R/W, 4:1, 3:1, 963.5, EX 12" WATER, NL 968.71, NR 969.10, 50+75 967.18, EX TELECOM, EX FIBER OPTIC, 964.5, EXCAVATION OF SUBGRADE
		(12)		(11)		
				34	131	
71	197	40	140			R/W, EX R/W, 4.2:1, 4.1:1, 3:1, 963.6, EX 12" WATER, NL 968.97, NR 969.28, 50+50 967.31, EX TELECOM, EX FIBER OPTIC, 964.7, EXCAVATION OF SUBGRADE
		(12)		(11)		
				41	125	
						EXCAVATION OF SUBGRADE TOTAL
	575			(33)		
				106	387	

60 50 40 30 20 10 0 10 20 30 40 50 60

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 252 STA 50+50 TO STA 51+00

MED-57-17.52

56
118

mlong
4/9/2014
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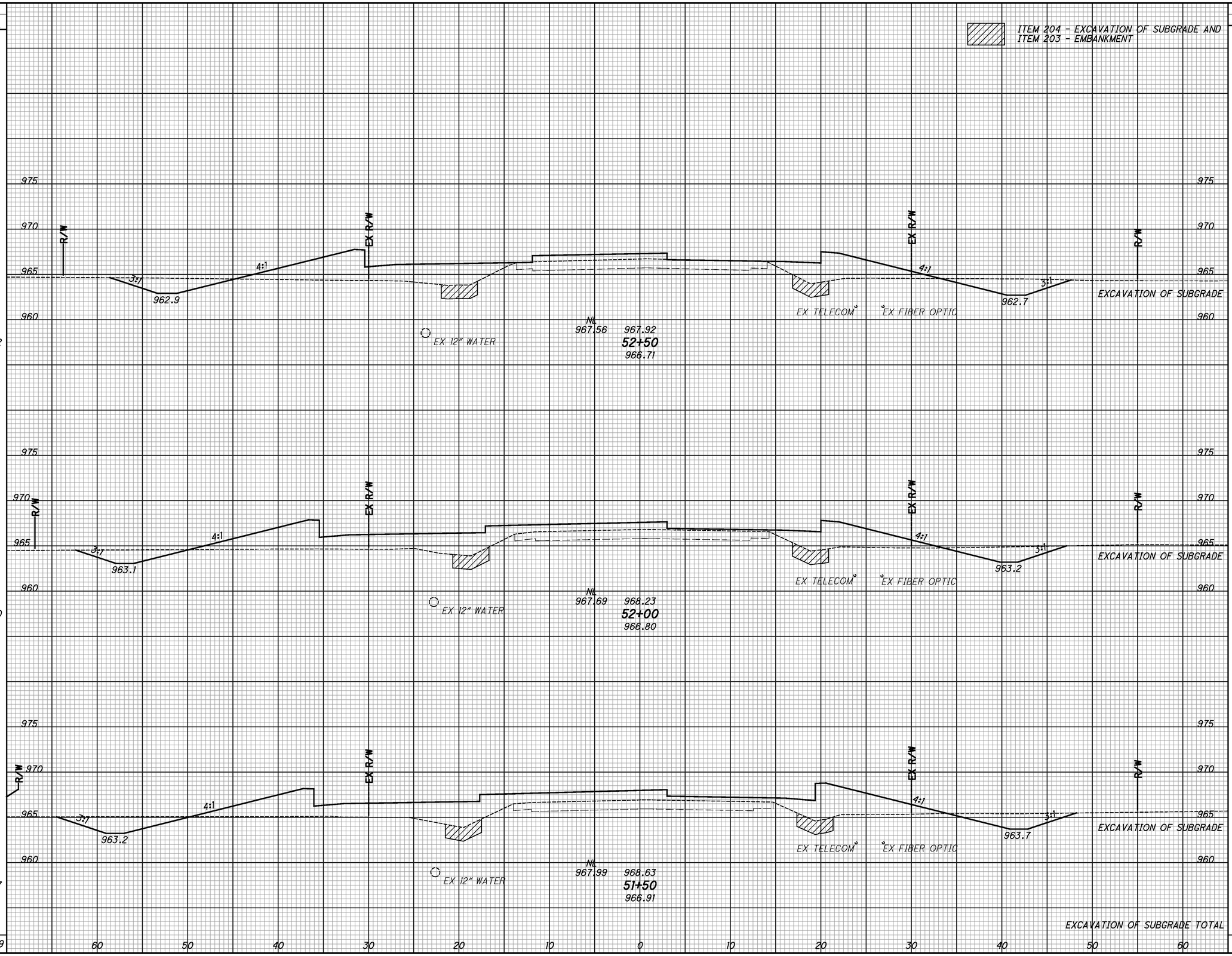
SEEDING END WIDTH	SEEDING SQ. YDS.
62	342
61	350
65	367
	1059



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
28	107		
(12)		(22)	
		48	212
24	122		
(12)		(22)	
		49	237
29	134		
(12)		(22)	
		57	254
		(66)	
		154	703

EXCAVATION OF SUBGRADE TOTAL

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 252
STA 51+50 TO STA 52+50

MED-57-17.52

57
118

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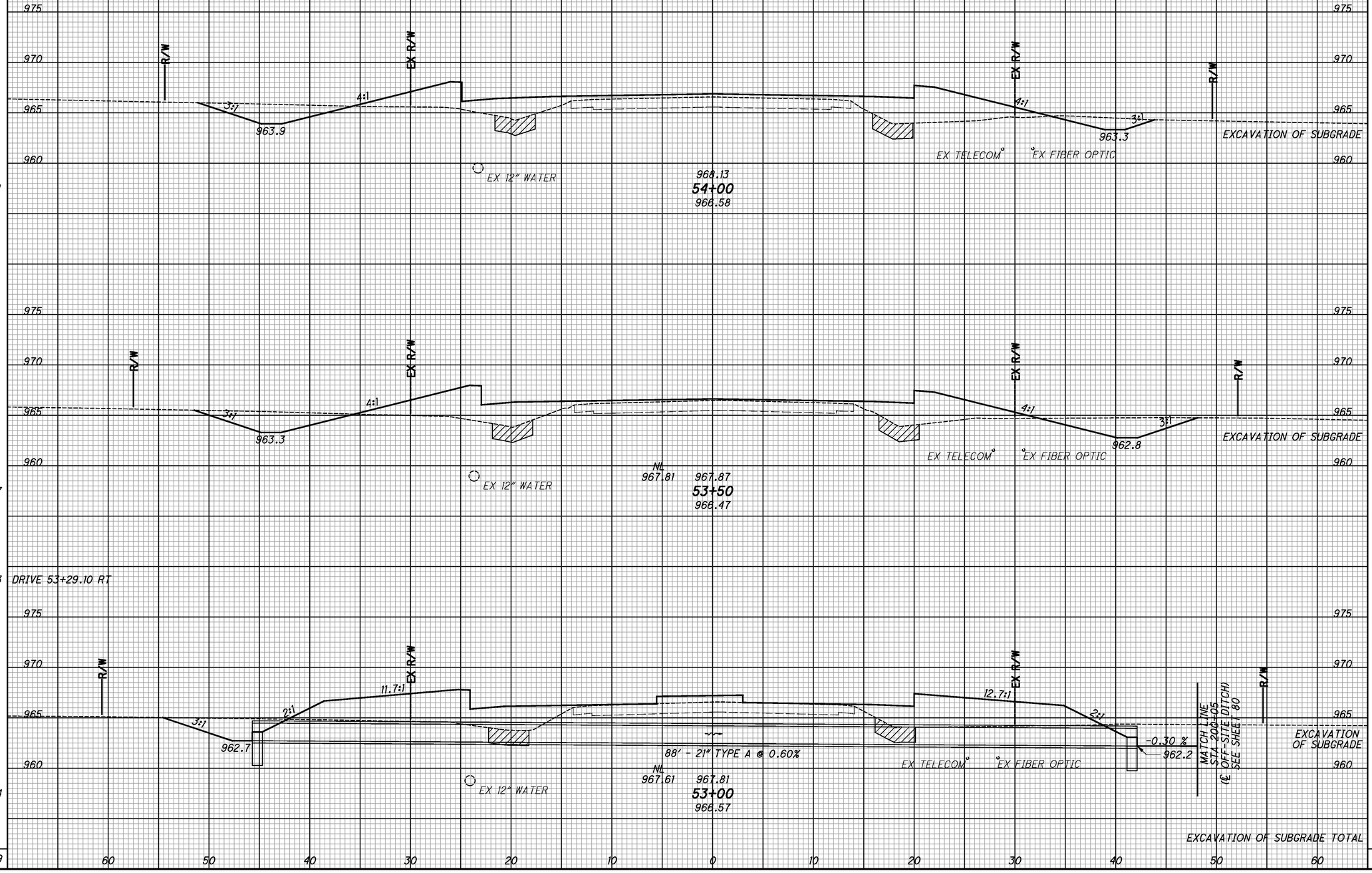
SEEDING END WIDTH	SEEDING SQ. YDS.
56	331
63	367
-63	
69	364
	999

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

NOTES:
FOR CULVERT DETAILS SEE SHEET 78



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
24	93		
(12)		(22)	
		56	165
36	85		
(12)		(22)	
		60	200
29	131		
(12)		(22)	
		53	220
		(66)	
		169	585

EXCAVATION OF SUBGRADE TOTAL

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 252
STA 53+00 TO STA 54+00

MED-57-17.52

58
118

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SEEDING END WIDTH	SEEDING SQ. YDS.	
42	222	
	-40	DRIVE 55+04.34 RT
38	250	
52	300	
	732	

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

975 / 970 / 965 / 960

R/W — EX R/W — 3:1 — 4:1 — 965.7 — EX 12" WATER — 968.79 — 55+50 — 967.82 — EX TELECOM — EX FIBER OPTIC — 4:1 — EX R/W — 3:1 — 965.3 — R/W — EXCAVATION OF SUBGRADE

DRIVE 55+04.34 RT

975 / 970 / 965 / 960

R/W — EX R/W — 3:1 — 4:1 — 965.1 — EX 12" WATER — 968.79 — 55+00 — 967.29 — EX 12" STM — EX TELECOM — EX FIBER OPTIC — 4:1 — EX R/W — R/W — TMP — EXCAVATION OF SUBGRADE

975 / 970 / 965 / 960

R/W — EX R/W — 3:1 — 4:1 — 964.5 — EX 12" WATER — 968.48 — 54+50 — 968.85 — EX TELECOM — EX FIBER OPTIC — 4:1 — EX R/W — 3:1 — 963.9 — R/W — EXCAVATION OF SUBGRADE

EXCAVATION OF SUBGRADE TOTAL

60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
17	54		
(12)		(17)	
		28	103
13	57		
(6)		(17)	
		31	133
21	87		
(12)		(22)	
		42	167
		(56)	
		101	403

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 252
STA 54+50 TO STA 55+50

MED-57-17.52

59
118

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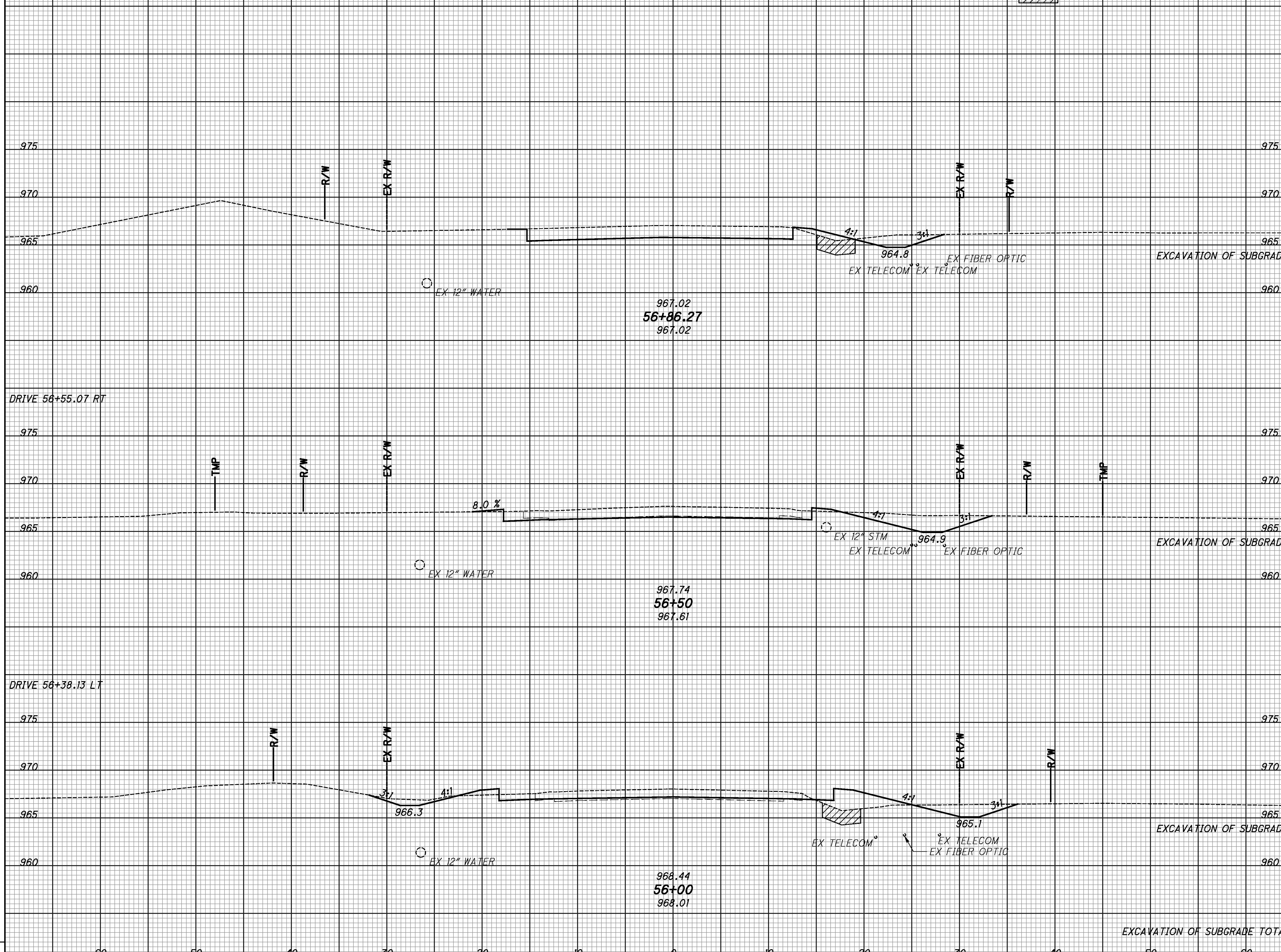
ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT



SEEDING END WIDTH	SEEDING SQ. YDS.	Location
22		56+86.27
	99	
-52		DRIVE 56+55.07 RT
27		56+50
	181	
-27		DRIVE 56+38.13 LT
38		56+00
	222	
	423	

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
56+86.27	42	9		
EXCAVATION OF SUBGRADE	(6)		(4)	
			62	7
56+50	50	1		
EXCAVATION OF SUBGRADE	(0)		(6)	
			80	19
56+00	36	19		
EXCAVATION OF SUBGRADE	(6)		(17)	
			49	68
EXCAVATION OF SUBGRADE TOTAL			(27)	
			191	94

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 252
STA 56+00 TO STA 56+86.27

MED-57-17.52

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SEEDING	
END WIDTH	SQ. YDS.
0	
16	
16	
29	
45	

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

975
970
965
960

R/W
EX R/W
EX 12" WATER
964.0
EX TELECOM
EX FIBER OPTIC
EX TELECOM
EX R/W
R/W

57+50
965.60

END DITCH WORK 57+18.08 RT

3:1
3:1
964.7

57+00
966.72

60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
(0)		(0)	
		1	2
4	5		
(5)		(3)	
		12	4
		(3)	
		13	6

EXCAVATION OF SUBGRADE

EXCAVATION OF SUBGRADE TOTAL

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - SR 252
STA 57+00 TO STA 57+50

MED-57-17.52

61
118

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SEEDING END WIDTH	SEEDING SQ. YDS.
83	
	229
82	
	226
81	
	0
	455

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

NOTES:
FOR CULVERT DETAILS SEE SHEET 79

EX R/W

975
970
965
960

3.1:1
966.5
4.2:1
EX 24" WATER
EL 970.87
ER 970.87
11+50
970.03

EX R/W

13.0:1
2.1:1
3.2:1
966.0
97' - 21" TYPE A @ 0.55%
EXCAVATION OF SUBGRADE

EX R/W

9.9:1
3:1
7.1:1
965.5
97' - 21" TYPE A @ 0.55%
EX 24" WATER
EL 970.83
ER 970.90
11+25
969.61

EX R/W

4.5:1
3.0:1
966.5
EXCAVATION OF SUBGRADE

R/W

3.4:1
MATCH LINE
SEE BELOW

SEE BELOW
MATCH LINE
3.2:1
966.9

45 30 35 20

EX R/W

85 70 95 80 105 90

SEE ABOVE
MATCH LINE
3.4:1
965.3
EX 12" WATER
EX 24" WATER
4.3:1
EL 970.92
ER 971.12
11+00
969.25

EX R/W

4.6:1
MATCH LINE
SEE ABOVE
EXCAVATION OF SUBGRADE

30 20 10 0 10 20 30 40 50 60 70 80 90

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
149	27		
(11)		(11)	
		125	31
121	41		
(12)		(11)	
		97	48
88	63		
(12)		(0)	
		0	0
		(22)	
		222	79

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - CR 65
STA 11+00 TO STA 11+50

MED-57-17.52

62
118

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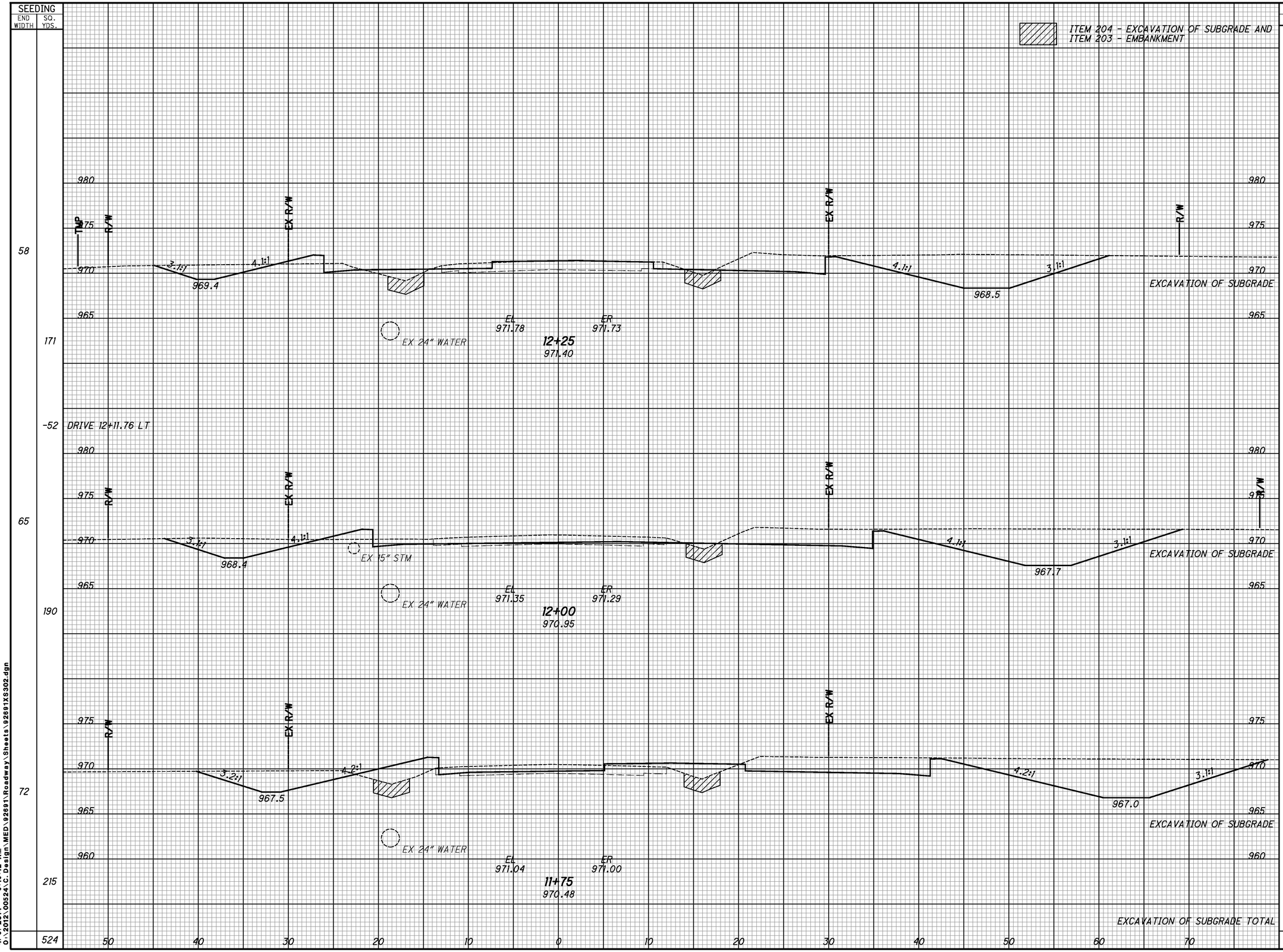
SEEDING END WIDTH	SEEDING SQ. YDS.
58	
	171
-52	DRIVE 12+11.76 LT
65	
	190
72	
	215
	524



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
107	21		
(12)		(8)	
		120	15
152	11		
(6)		(8)	
		145	21
161	35		
(12)		(11)	
		144	29
		(27)	
		409	65

EXCAVATION OF SUBGRADE TOTAL

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - CR 65
STA 11+75 TO STA 12+25

MED-57-17.52

63
118

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SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
32	183	35	36		
		(12)		(22)	
				87	60
34	239	59	29		
		(12)		(22)	
				136	49
52	153	88	24		
		(12)		(11)	
				90	21
	575			(55)	
				313	130

CALCULATED MTL
CHECKED BER

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

980 / 975 / 970 / 965

R/W — EX R/W — EX R/W — R/W

4:1 — 4:1 — 3:1 — 972.2

EXCAVATION OF SUBGRADE

EX 24" WATER — EL 974.28 — 974.29

13+50

973.94

4:1 — 4:1 — 3:1 — 970.7

EXCAVATION OF SUBGRADE

EX 24" WATER — EL 973.30 — ER 973.24

13+00

972.80

3:1 — 4:1 — 4:1 — 3:1 — 970.3 — 969.2

EXCAVATION OF SUBGRADE

EX 24" WATER — EL 972.29 — ER 972.23

12+50

971.83

EXCAVATION OF SUBGRADE TOTAL

60 50 40 30 20 10 0 10 20 30 40 50 60

CROSS SECTIONS - CR 65
STA 12+50 TO STA 13+50

MED-57-17.52

64
118

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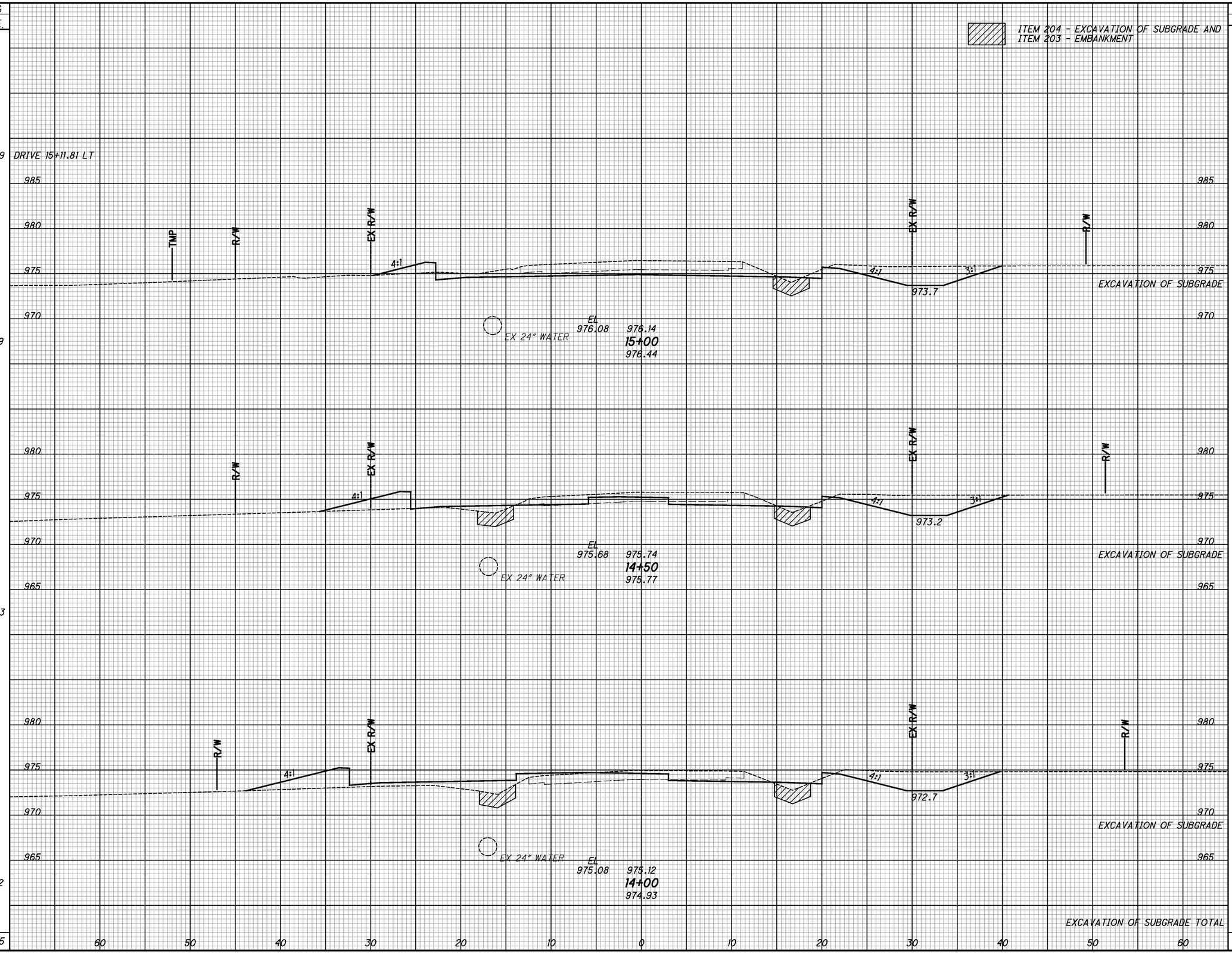
SEEDING END WIDTH	SEEDING SQ. YDS.		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	-39	DRIVE 15+11.81 LT				
32			72	11		
	189		(6)		(17)	
36			53	28		
	203		(12)		(22)	
37			38	42		
	192		(12)		(22)	
	545	EXCAVATION OF SUBGRADE TOTAL			68	72
					(61)	
					268	173



CALCULATED MTL
CHECKED BER

CROSS SECTIONS - CR 65
STA 14+00 TO STA 15+00

MED-57-17.52

65
118

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SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
39	208	31	35		
		(12)		(22)	
				70	53
36	200	45	22		
		(12)		(21)	
				109	34
-31	DRIVE 15+84.63 RT				
36	189	73	15		
		(11)		(16)	
				134	24
	566			(59)	
				313	111

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

EXCAVATION OF SUBGRADE

EXCAVATION OF SUBGRADE

EXCAVATION OF SUBGRADE

EXCAVATION OF SUBGRADE TOTAL

R/W
EX R/W
EX 24" WATER
3:1
4:1
972.6
973.7
973.6
974.2
974.6
976.06
16+50
975.45
976.30
16+00
976.05
976.33
15+50
976.50
985
980
975
970
60
50
40
30
20
10
0
10
20
30
40
50
60

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - CR 65
STA 15+50 TO STA 16+50

MED-57-17.52

66
118

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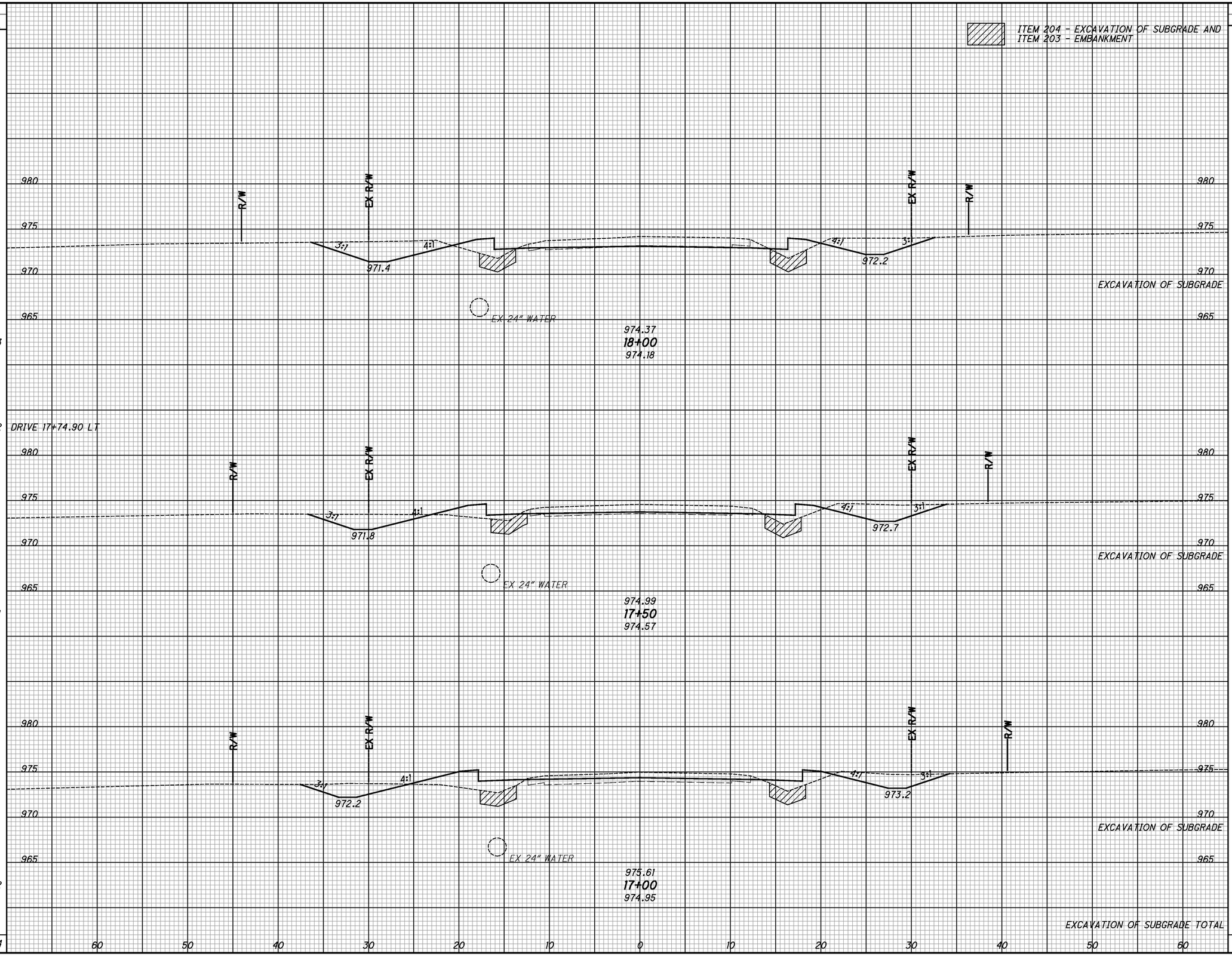
SEEDING END WIDTH	SEEDING SQ. YDS.	
42	233	
	-52	DRIVE 17+74.90 LT
42	231	
41	222	
	634	



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL	
60	24			
		(22)		EXCAVATION OF SUBGRADE
		100	44	
48	24			
		(22)		EXCAVATION OF SUBGRADE
		77	52	
35	32			
		(22)		EXCAVATION OF SUBGRADE
		61	62	
		(66)		EXCAVATION OF SUBGRADE TOTAL
		238	158	

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - CR 65
STA 17+00 TO STA 18+00

MED-57-17.52

67
118

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SEEDING		END AREA		VOLUME	
END WIDTH	SQ. YDS.	CUT	FILL	CUT	FILL
30		42	23		
		(12)		(3)	
	22			10	5
39		50	23		
		(12)		(22)	
	217			96	44
39		54	24		
		(12)		(22)	
	225			106	44
				(47)	
	464			212	93

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

980 / 975 / 970 / 965

R/W — EX R/W — EX R/W — R/W

7.8:1 — 3:1 — 4:1 — 3:1

971.1

12" TYPE C

EX 24" WATER

973.04
19+05.80
973.04

EXCAVATION OF SUBGRADE

D-3

4.8:1 — 3:1 — 4:1 — 3:1

971.2

12" TYPE C

EX 24" WATER

973.12
19+00
973.12

EXCAVATION OF SUBGRADE

4:1 — 3:1 — 4:1 — 3:1

971.0 — 971.7

EX 24" WATER

973.74
18+50
973.70

EXCAVATION OF SUBGRADE

EXCAVATION OF SUBGRADE TOTAL

60 50 40 30 20 10 0 10 20 30 40 50 60

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - CR 65
STA 18+50 TO STA 19+05.80

MED-57-17.52

68
118

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SEEDING	
END WIDTH	SQ. YDS.
74	
74	

ITEM 204 - EXCAVATION OF SUBGRADE AND
ITEM 203 - EMBANKMENT

980
975
970
965

EX R/W
EX 12" STM
12" TYPE C
EX 24" WATER
970.4
EX R/W

19+50
972.53

60 50 40 30 20 10 0 10 20 30 40 50 60

END AREA		VOLUME	
CUT	FILL	CUT	FILL
		(10)	
(0)			
		34	19
		(10)	
		34	19

EXCAVATION OF SUBGRADE
EXCAVATION OF SUBGRADE TOTAL

CALCULATED MTL
CHECKED BER

CROSS SECTIONS - CR 65
STA 19+50

MED-57-17.52

69
118

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REF LINE NL
STA 161+51.39
969.85 (HP)
REF LINE NW
REF LINE WR
REF LINE WL
REF LINE SW
REF LINE CC
REF LINE SL
REF LINE SR
REF LINE NR
REF LINE NE
REF LINE EL
REF LINE ER
REF LINE SE
STA 53+53.43
969.94 (LP)
STA 172+60.60
970.68 (HP)
STA 172+95.23
970.60 (LP)
STA 120+60.15
970.83 (LP)
STA 130+78.64
970.86 (LP)
STA 152+16.09
970.62 (LP)
STA 142+16.66
971.26 (HP)
STA 51+17.81
971.83 (HP)
STA 150+98.78
971.80 (HP)
℄ CONST SR 57
℄ CONST CR 65
℄ CONST SR 252
℄ CONST SR 57 / SR 252
CENTER OF ROUNDABOUT
STA 932+68.00, ℄
(℄ SR 57 / SR 252)
STA 932+98.00 ℄ SR 57 / SR 252 =
STA 932+98.00 ℄ SR 57 =
STA 49+10.00 ℄ SR 252 =
STA 10+00.00 ℄ CR 65
S 89° 45' 24" W
N 89° 54' 48" E
N 00° 11' 05" W
N 00° 41' 06" W
1.60%
10' TYP
46' R
57' R
75' R
7.6' TYP

- ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

NOTES:
1. ALL ELEVATIONS ARE ON PAVEMENT.
2. FOR SPLITTER ISLAND DETAILS, SEE SHEETS 71 - 72

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED MTL
CHECKED BER

ROUNDABOUT DETAIL
SR 57 / SR 252 / CR 65

MED-57-17.52

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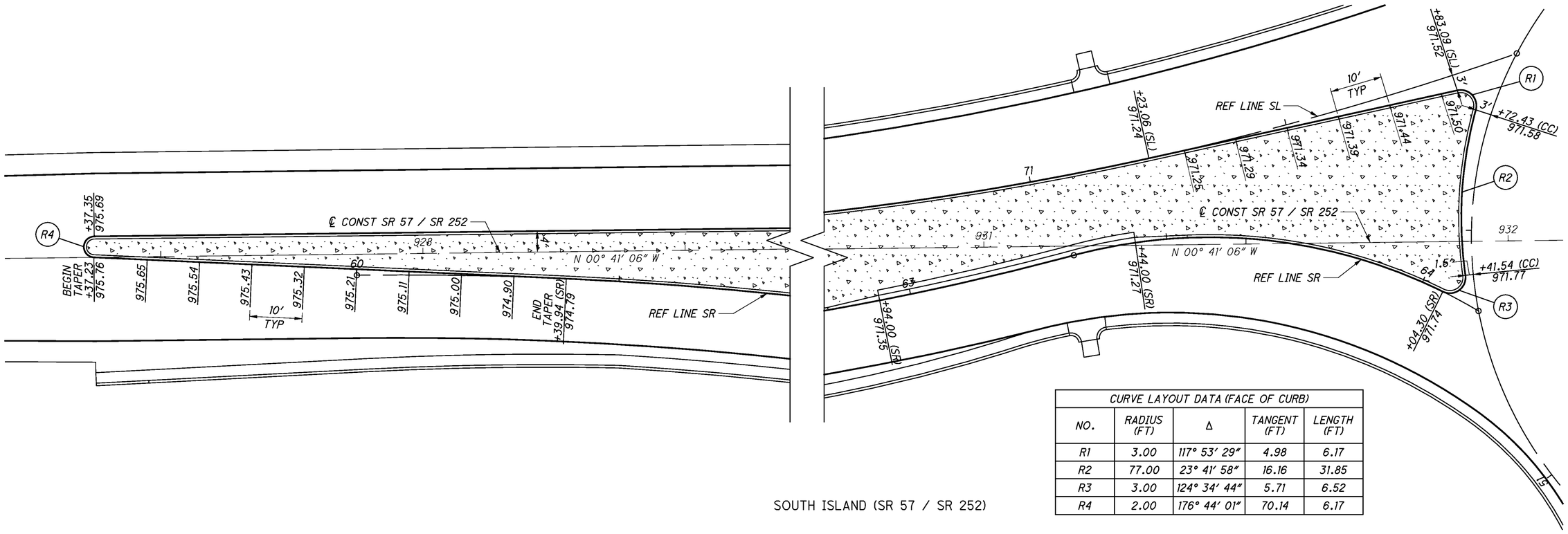
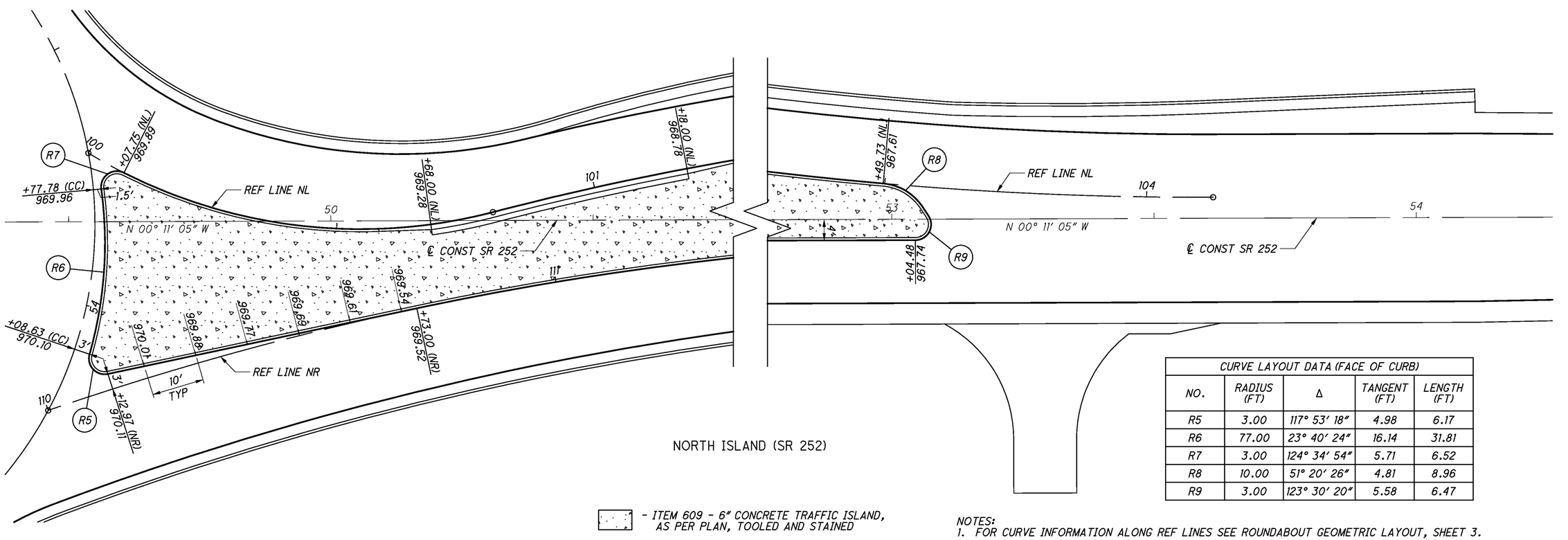


CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R1	3.00	117° 53' 29"	4.98	6.17
R2	77.00	23° 41' 58"	16.16	31.85
R3	3.00	124° 34' 44"	5.71	6.52
R4	2.00	176° 44' 01"	70.14	6.17



CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R5	3.00	117° 53' 18"	4.98	6.17
R6	77.00	23° 40' 24"	16.14	31.81
R7	3.00	124° 34' 54"	5.71	6.52
R8	10.00	51° 20' 26"	4.81	8.96
R9	3.00	123° 30' 20"	5.58	6.47

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

NOTES:
1. FOR CURVE INFORMATION ALONG REF LINES SEE ROUNDABOUT GEOMETRIC LAYOUT, SHEET 3.

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED MTL
CHECKED BER

ROUNDABOUT SPLITTER NORTH AND SOUTH
SPLITTER ISLAND DETAILS

MED-57-17.52

71
118

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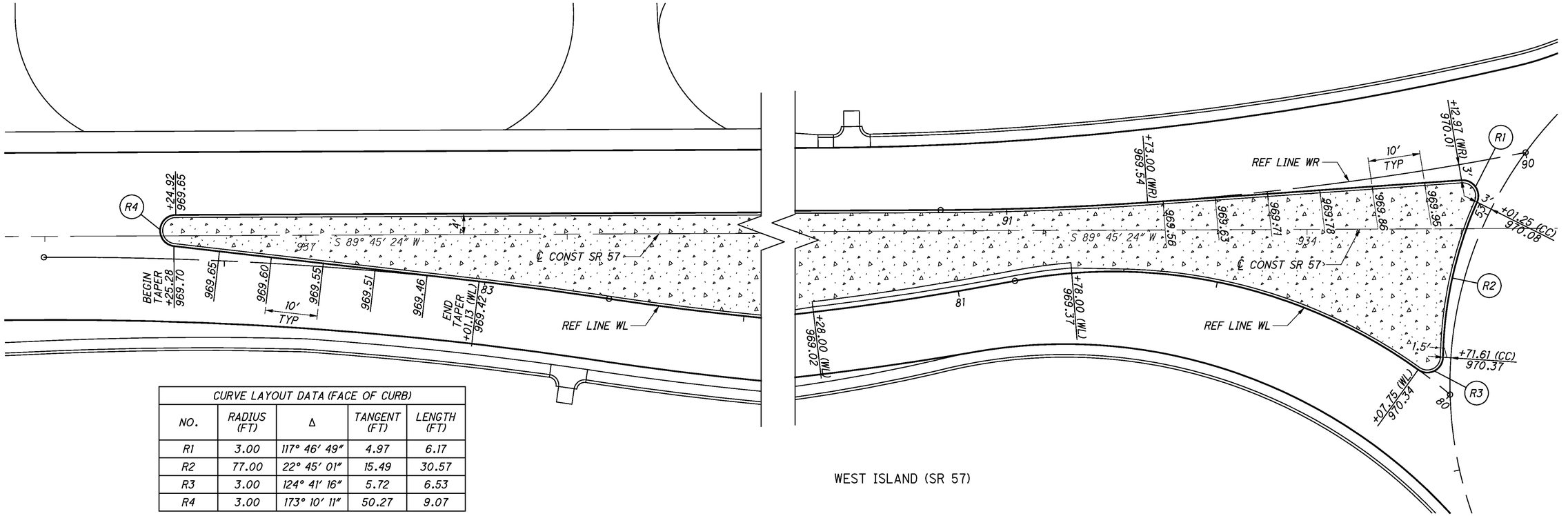
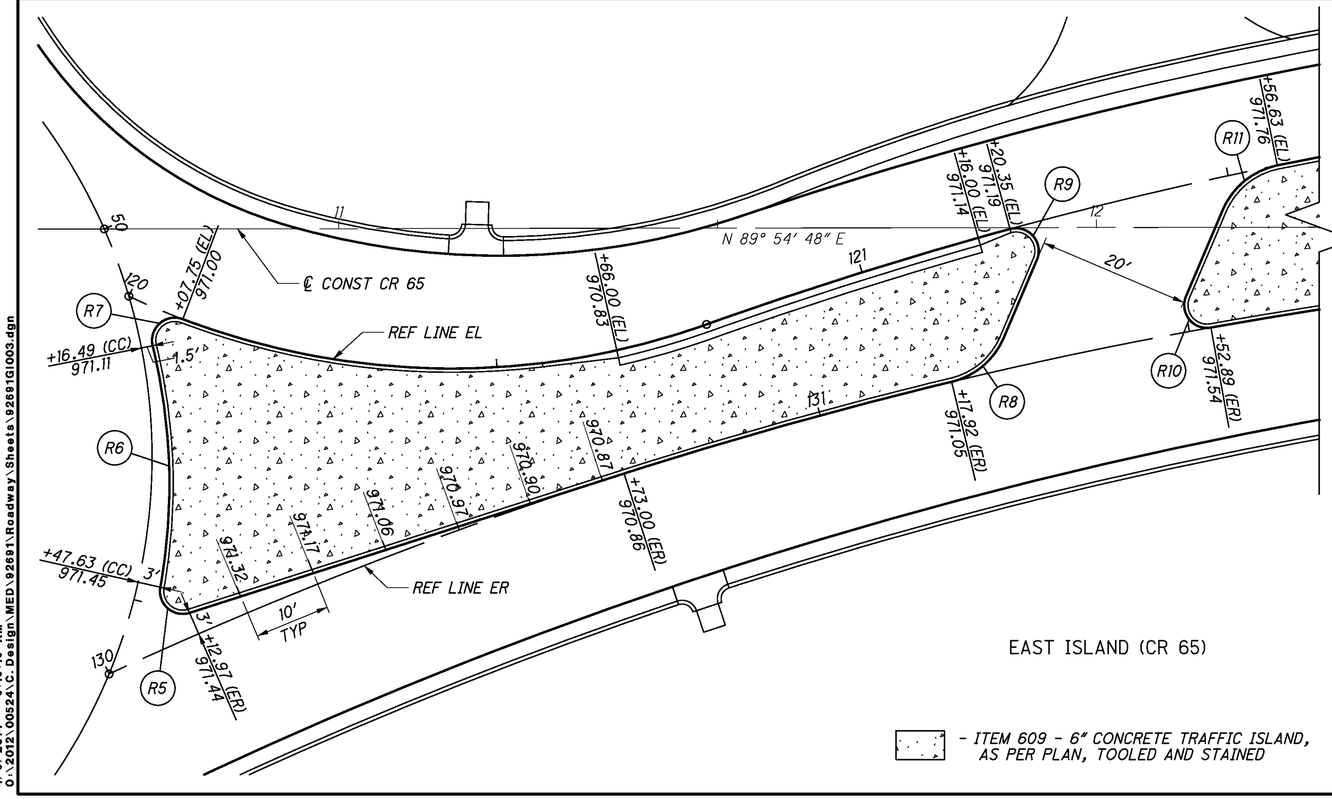


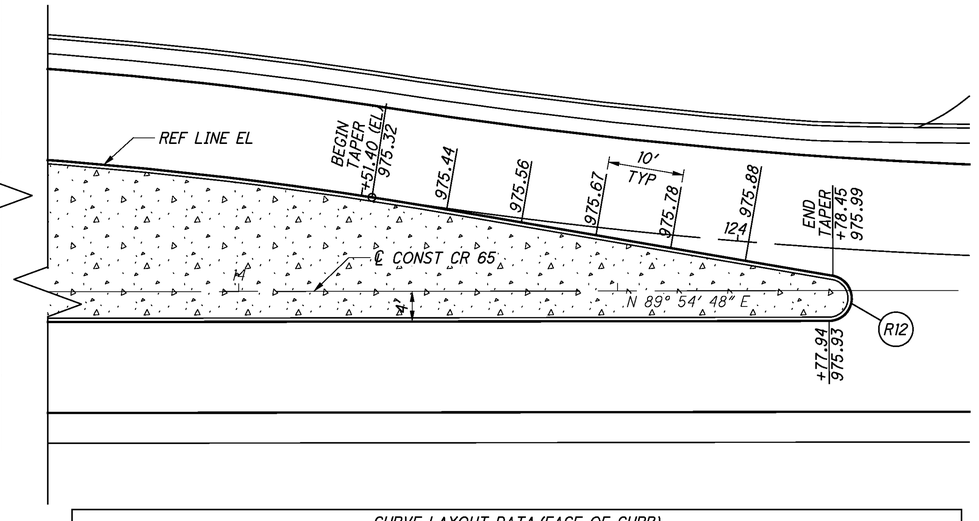
WEST ISLAND (SR 57)

CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R1	3.00	117° 46' 49"	4.97	6.17
R2	77.00	22° 45' 01"	15.49	30.57
R3	3.00	124° 41' 16"	5.72	6.53
R4	3.00	173° 10' 11"	50.27	9.07



EAST ISLAND (CR 65)

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED



CURVE LAYOUT DATA (FACE OF CURB)									
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)	NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R5	3.00	117° 54' 47"	4.98	6.17	R9	3.00	128° 18' 37"	6.19	6.72
R6	77.00	23° 53' 36"	16.29	32.11	R10	3.00	123° 11' 35"	5.55	6.45
R7	3.00	124° 33' 29"	5.71	6.52	R11	10.00	55° 28' 10"	5.26	9.68
R8	10.00	53° 28' 03"	5.04	9.33	R12	3.00	170° 10' 59"	34.93	8.91

NOTES:
1. FOR CURVE INFORMATION ALONG REF LINES SEE ROUNDABOUT GEOMETRIC LAYOUT, SHEET 3.

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED MTL
CHECKED BER

ROUNDABOUT EAST AND WEST SPLITTER ISLAND DETAILS

MED-57-17.52

72
118

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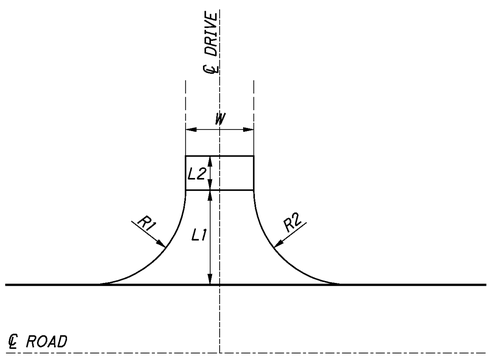
DRIVEWAY SUBSUMMARY

CALCULATED MTL
CHECKED BER

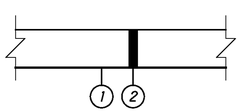
SHEET NO.	REF. NO.	STATION	SIDE	DRIVE TYPE	DRIVE ANGLE	APRON LENGTH "L1"	DRIVEWAY LENGTH "L2"	WIDTH "W"	R1 (LEFT SIDE RADII OF DRIVE LOOKING FROM (CL)	R2 (RIGHT SIDE RADII OF DRIVE LOOKING FROM (CL)	CADD GENERATED SURFACE AREA	202 PAVEMENT REMOVED	202 PAVEMENT REMOVED, ASPHALT	203 EXCAVATION	203 EMBANKMENT	204 SUBGRADE COMPACTION	304 6" AGGREGATE BASE	304 8" AGGREGATE BASE	407 TACK COAT, FOR INTERMEDIATE COURSE (0.04 GAL/SQ YD)	442 1.25" ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (448) (DRIVEWAYS), AS PER PLAN	442 2" ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (448) (DRIVEWAYS), AS PER PLAN	442 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448) (DRIVEWAYS), AS PER PLAN	452 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1	452 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1
					DEG	FT	FT	FT	FT	FT	SQ FT	SQ YD	SQ YD	CU YD	CU YD	SQ YD	CU YD	CU YD	GAL	CU YD	CU YD	CU YD	SQ YD	SQ YD
25	DR-1	925+78.60	RT	FIELD	90°00'00"	22.5	0.0	16.0	25.0	25.0	526.78			2	17	59	9.8							
26	DR-2	926+66.76	LT	FIELD	90°00'00"	22.5	10.0	16.0	25.0	25.0	685.71			3	21	76	12.7							
28	DR-3	936+38.85	RT	COMM.	87°38'25"	23.4	25.2	16.0	25.0	25.0	944.21	93		5	22	105								10.3
28	DR-3A		RT	RES.	87°36'11"	10.6	143.1	10.0	10.0	10.0	1581.36		87	17	3	176	29.3				9.8			
28	DR-4	937+63.47	RT	COMM.	90°00'00"	22.0	7.6	16.0	25.0	25.0	640.65	65		2	15	71								7.2
28	DR-5	938+90.99	RT	COMM.	90°00'00"	22.6	0.5	16.0	25.0	25.0	535.55			2	16	60		13.2	2.4	2.1		2.9		
29	DR-6	939+72.04	LT	RES.	90°00'00"	22.2	0.0	12.0	25.0	25.0	454.82			2	13	51	8.4				2.8			
29	DR-7	941+04.94	RT	COMM.	90°00'00"	22.6	0.0	14.0	25.0	25.0	484.58			1	24	54		12.0	2.2	1.9		2.6		
29	DR-7A	941+28.17	LT	MAIL	90°00'00"	MAIL BOX APPROACH PER SCD BP-4.1					68.33					8	1.3				0.4			
31	DR-8	53+29.10	RT	RES.	90°00'00"	22.0	10.3	12.0	25.0	25.0	576.43	28	22	2	26	64							64.0	
31	DR-8A		RT	RES.	89°57'30"	12.0	11.0	10.0	12.0	12.0	291.45			5		32							32.4	
31	DR-9	55+04.34	RT	RES.	88°19'27"	22.4	13.5	12.0	25.0	25.0	619.23		51	3	8	69	11.5				3.8			
31	DR-10	56+38.13	LT	RES.	90°00'00"	22.3	0.0	12.0	25.0	25.0	433.88	43		5		48							48.2	
31	DR-11	56+55.07	RT	RES.	86°36'21"	22.4	0.0	12.0	22.0	25.0	504.96	32		2	13	56							56.1	
33	DR-12	12+11.76	LT	RES.	75°52'03"	30.3	0.0	13.0	25.0	20.0	541.12			3	19	60	10.0				3.3			
34	DR-13	15+11.81	LT	RES.	90°00'00"	23.6	0.0	13.0	25.0	25.0	500.95			4		56	9.3				3.1			
34	DR-14	15+84.63	RT	FIELD	90°00'00"	22.1	0.0	16.0	25.0	25.0	516.78			12		57	9.6							
34	DR-15	17+74.90	LT	RES.	82°41'20"	26.8	0.0	12.0	25.0	25.0	524.15		45	3	15	58	9.7				3.2			
TOTALS CARRIED TO GENERAL SUMMARY												261	205	73	212	1160	137		5	30		6	201	18

TYPE 1 DRIVEWAY PLAN VIEW (TYPICAL)

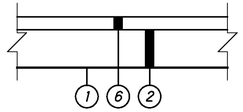


LEGEND

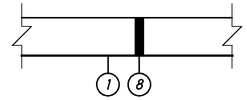
1. ITEM 204 SUBGRADE COMPACTION
2. ITEM 304 6" AGGREGATE BASE
3. ITEM 304 8" AGGREGATE BASE
4. ITEM 407 TACK COAT FOR INTERMEDIATE COURSE (APPLIED AT A RATE OF 0.04 GAL/SQ YD)
5. ITEM 442 1¼" ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (448) (DRIVEWAYS), AS PER PLAN
6. ITEM 442 2" ASPHALT CONCRETE SURFACE COURSE, 9.5 MM, TYPE A (448) (DRIVEWAYS), AS PER PLAN
7. ITEM 442 1¾" ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (448) (DRIVEWAYS), AS PER PLAN
8. ITEM 452 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1
9. ITEM 452 8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1



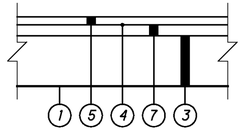
FIELD DRIVE
TYPICAL SECTION



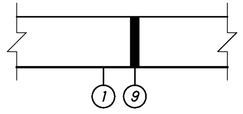
ASPHALT RESIDENTIAL DRIVE
TYPICAL SECTION



CONCRETE RESIDENTIAL DRIVE
TYPICAL SECTION



ASPHALT COMMERCIAL DRIVE
TYPICAL SECTION



CONCRETE COMMERCIAL DRIVE
TYPICAL SECTION

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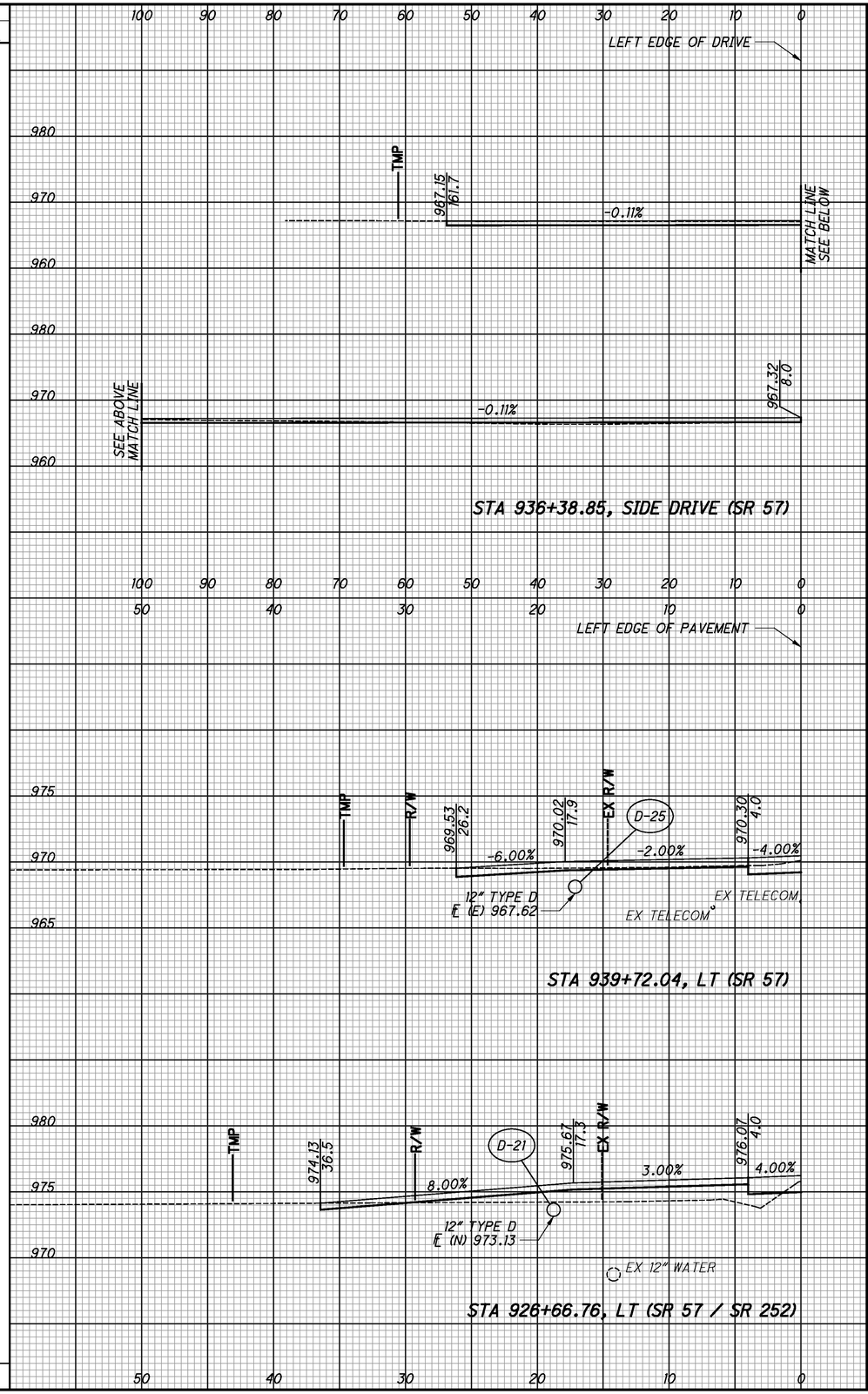
MED-57-17.52

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED MTL
CHECKED BER



NOTES:
FOR DRIVEWAY DETAILS & ESTIMATED QUANTITIES, SEE SHEET 73.
FOR DRIVEWAY PIPE PROFILES, SEE SHEETS 76.

DRIVEWAY PROFILES
SR 57 & SR 57 / SR 252

MED-57-17.52

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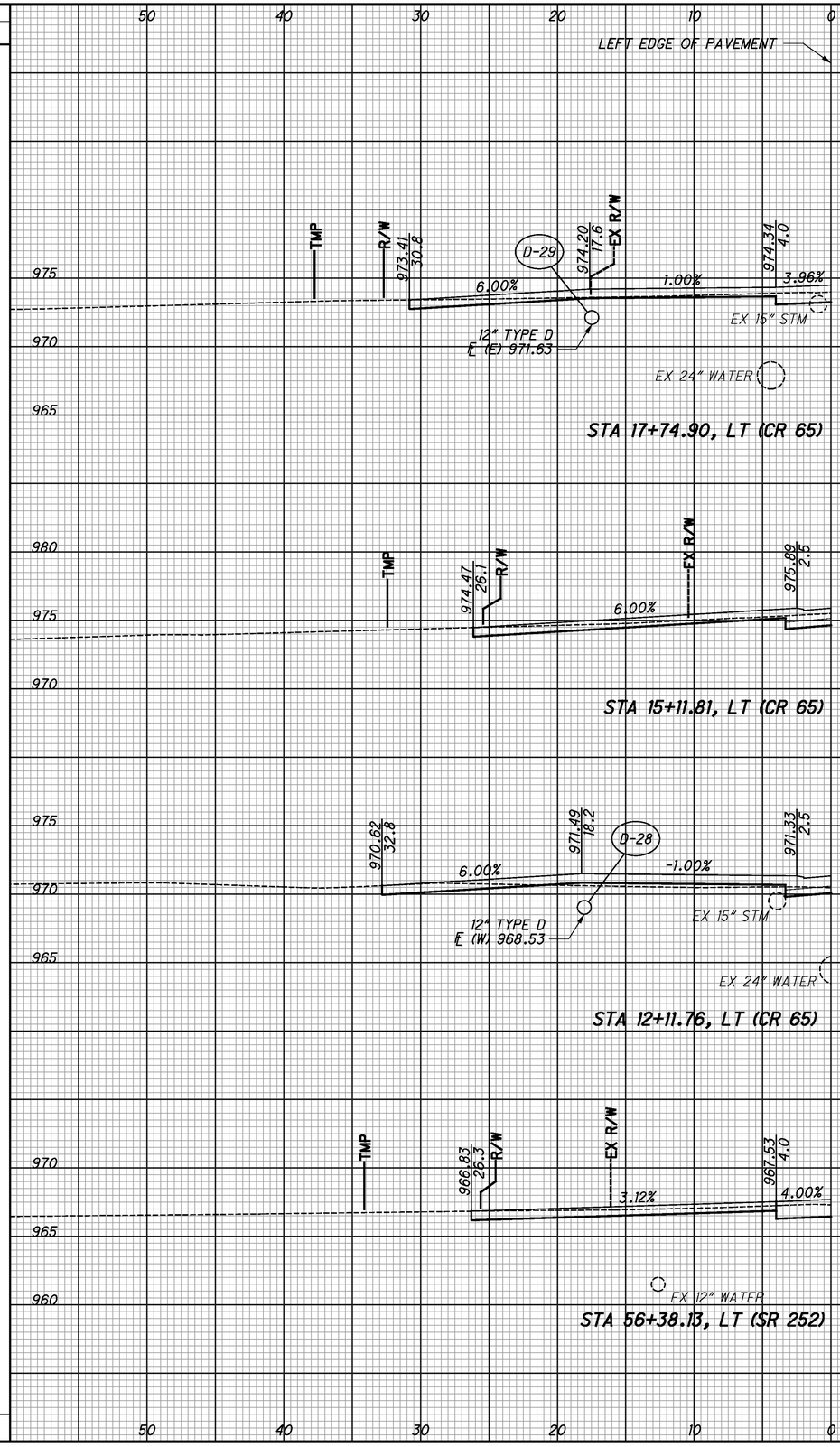
SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED MTL
CHECKED BER



NOTES:
FOR DRIVEWAY DETAILS & ESTIMATED QUANTITIES, SEE SHEET 73.
FOR DRIVEWAY PIPE PROFILES, SEE SHEET 77.

DRIVEWAY PROFILES
SR 252 & CR 65

MED-57-17.52

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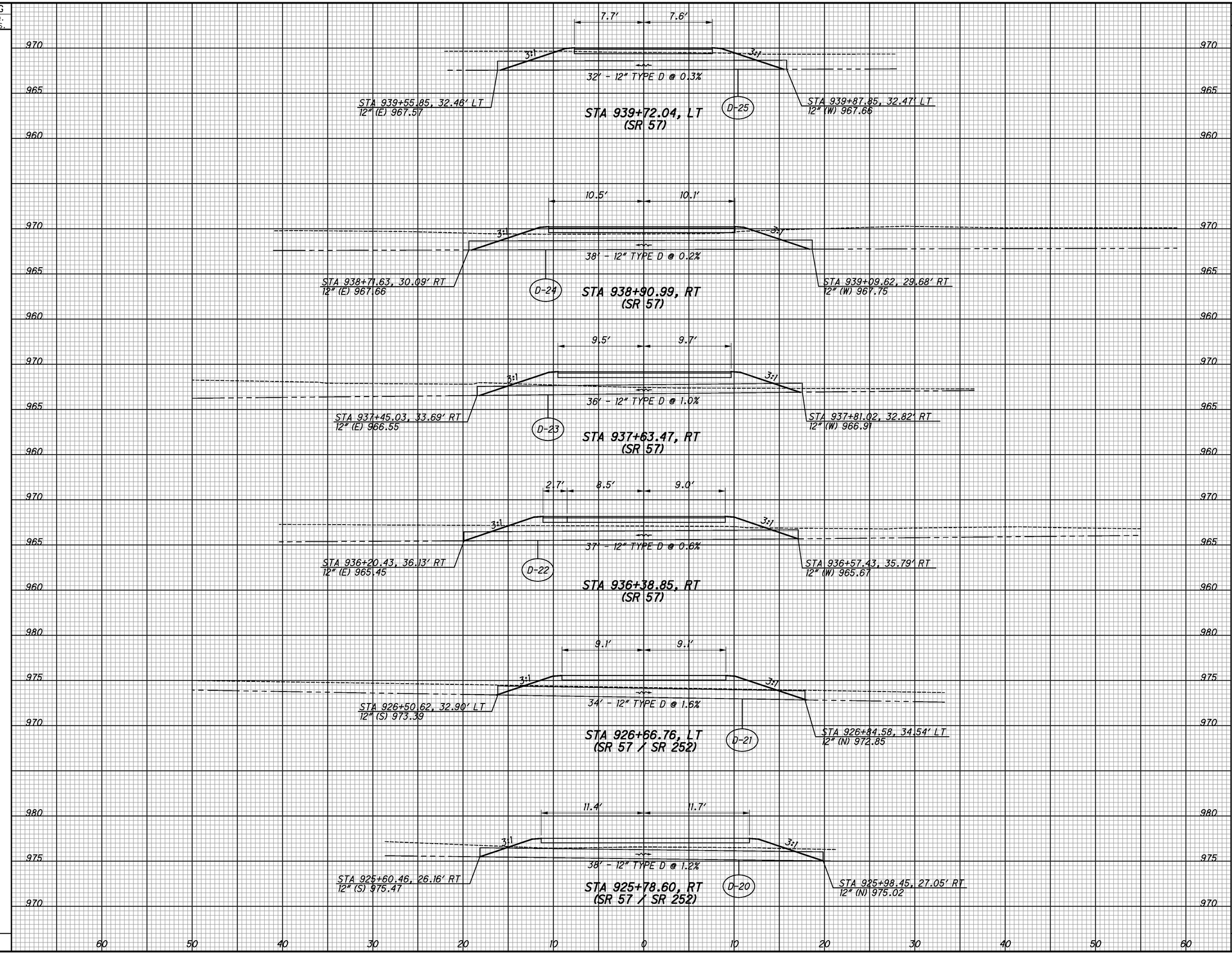
SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED MTL
CHECKED BER



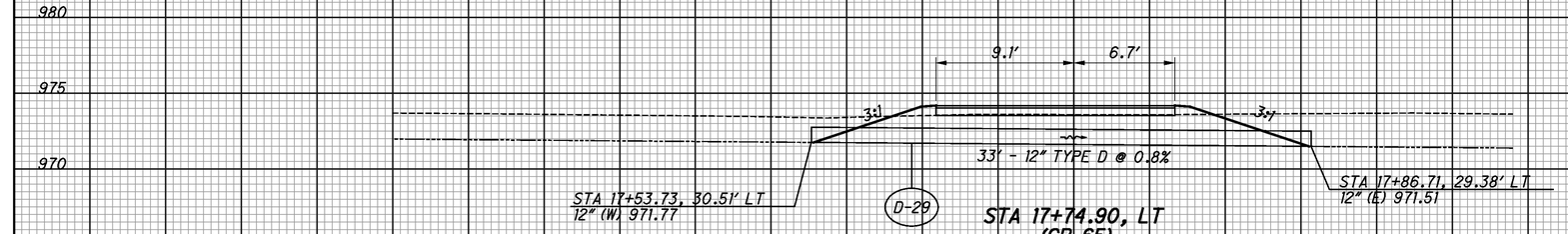
DRIVEWAY PIPE PROFILES
SR 57 & SR 57 / SR 252

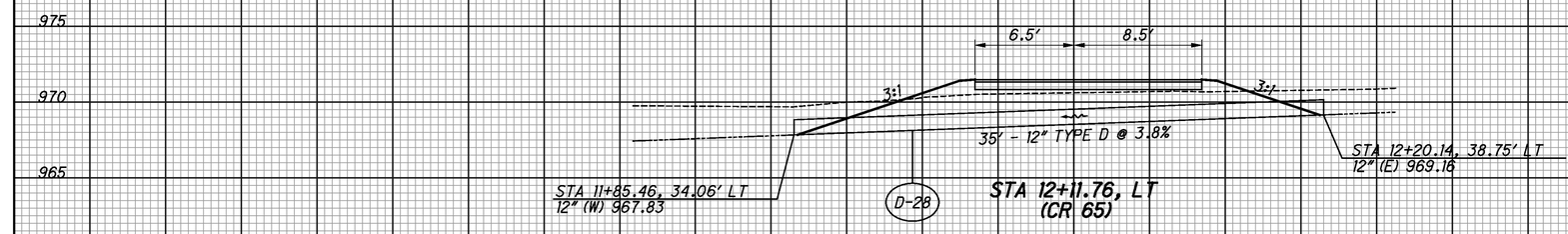
MED-57-17.52

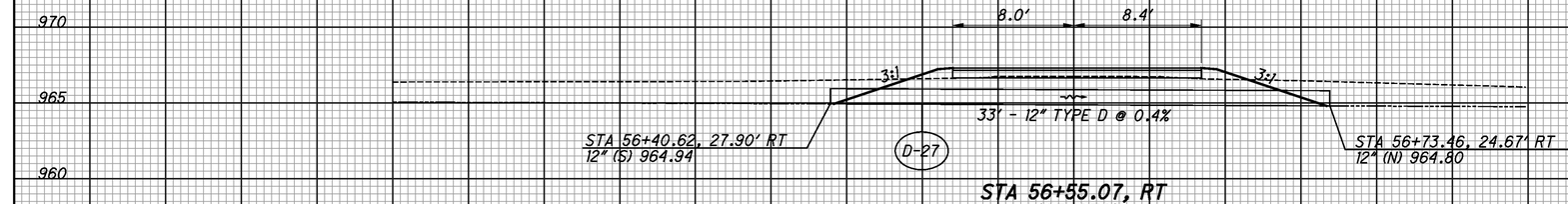
SEEDING	
END WIDTH	SQ. YDS.

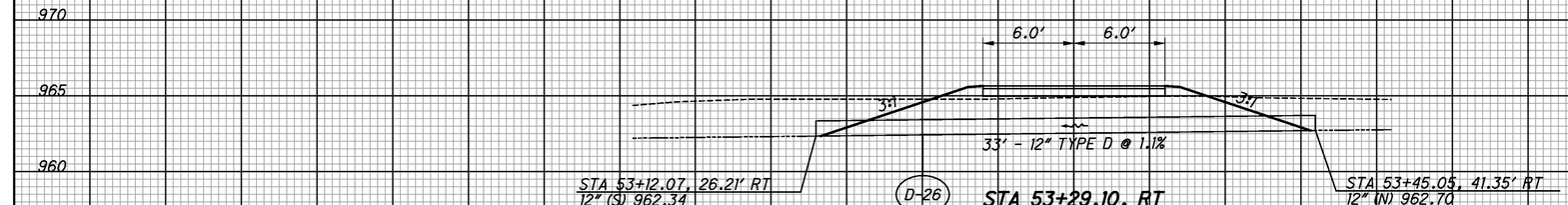
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED MTL
CHECKED BER







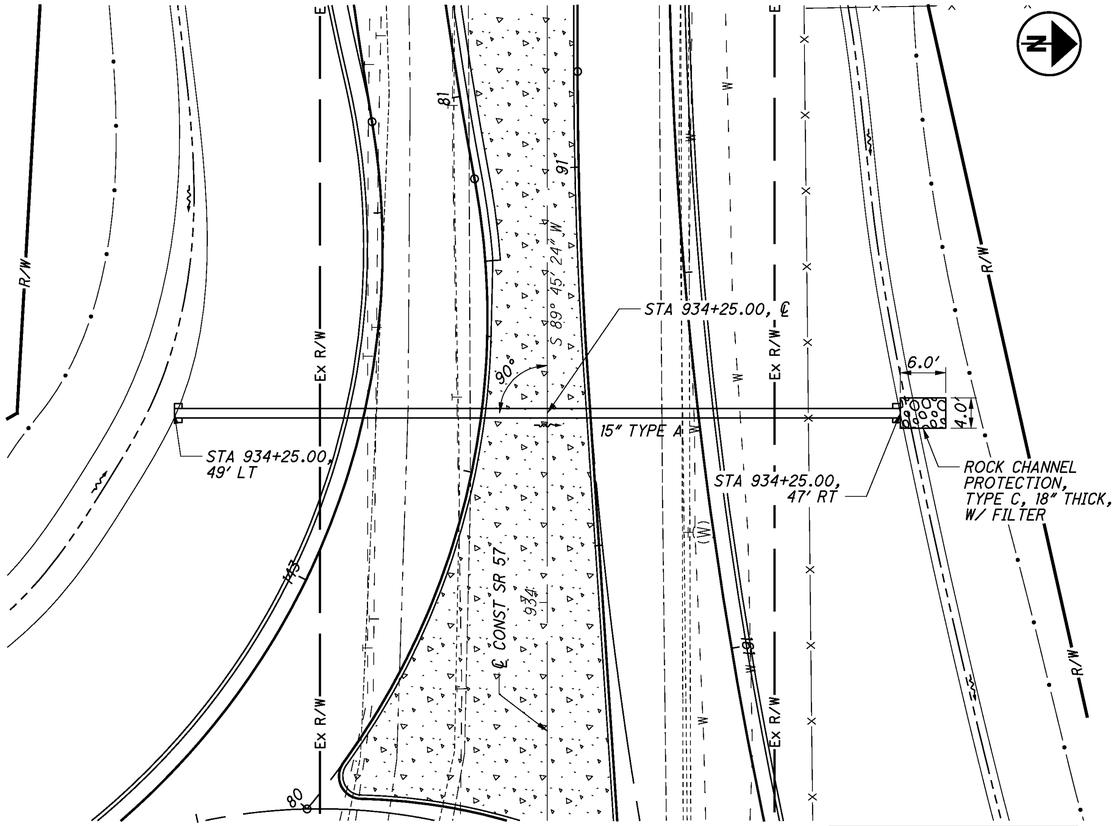


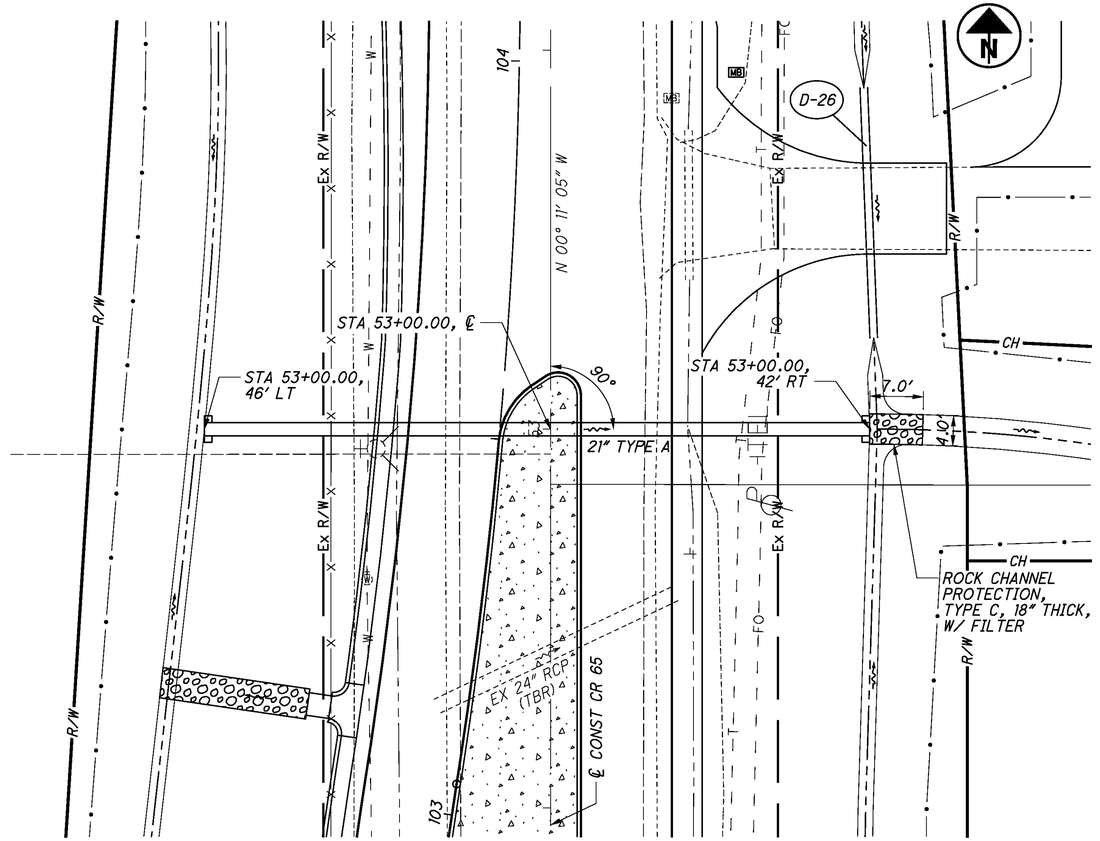
60 50 40 30 20 10 0 10 20 30 40 50 60

DRIVEWAY PIPE PROFILES
SR 252 & CR 65

MED-57-17.52

77
118



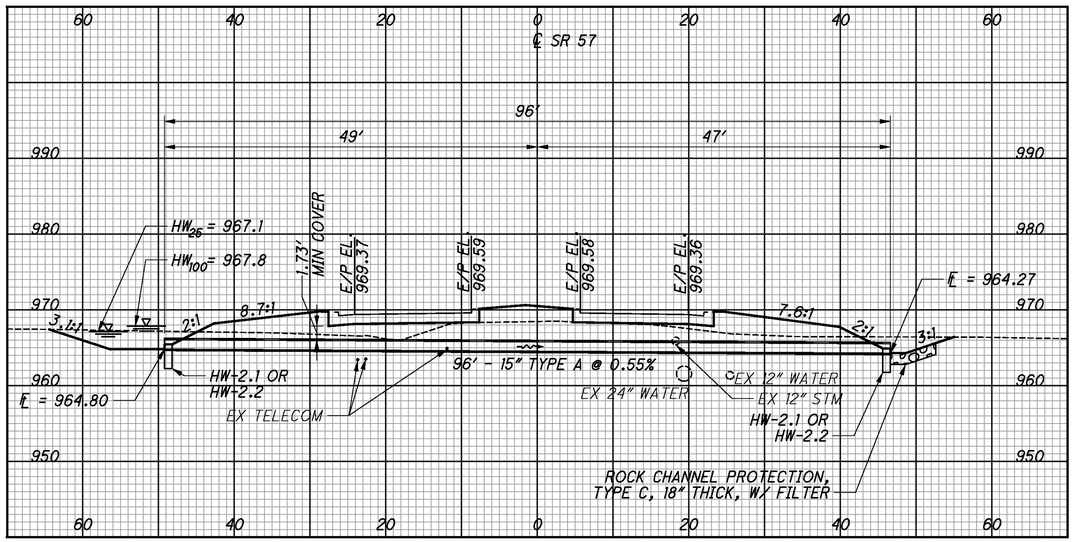


ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
601	1.33	CU YD	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
602	0.54	CU YD	CONCRETE MASONRY
611	96	FT	15" CONDUIT, TYPE A

HYDRAULIC DESIGN DATA

DRAINAGE AREA = 3.4 AC
Q_{25} = 8.6 CFS
Q_{100} = 10.5 CFS
HW_{25} = 967.2 FT
HW_{100} = 967.9 FT
V_{25} = 7.3 FPS
V_{100} = 8.7 FPS

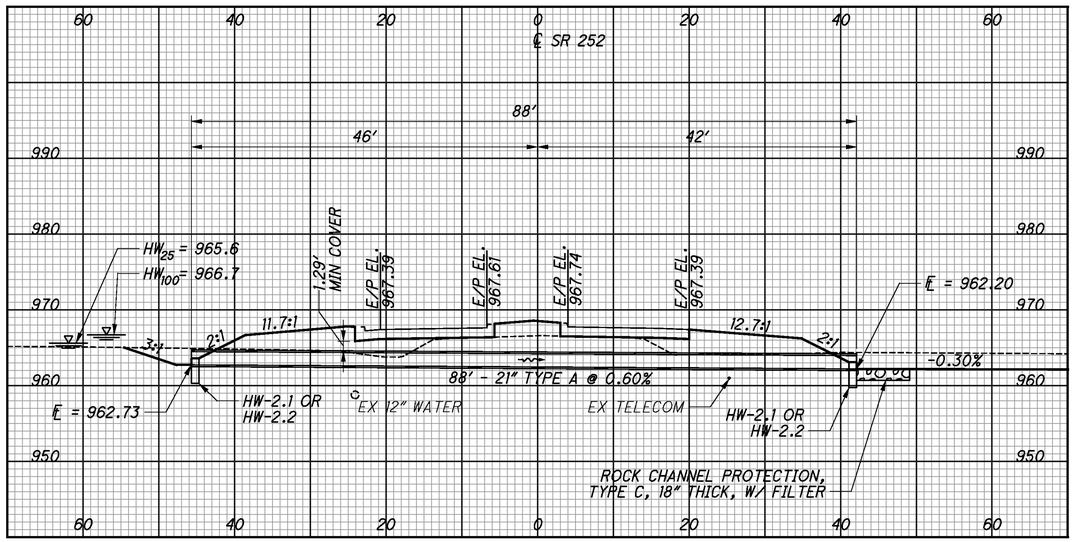


ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
601	1.56	CU YD	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
602	0.78	CU YD	CONCRETE MASONRY
611	88	FT	21" CONDUIT, TYPE A

HYDRAULIC DESIGN DATA

DRAINAGE AREA = 7.6 AC
Q_{25} = 17.8 CFS
Q_{100} = 21.7 CFS
HW_{25} = 965.7 FT
HW_{100} = 966.8 FT
V_{25} = 8.0 FPS
V_{100} = 9.3 FPS



HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED MTL
CHECKED MMR

CULVERT DETAIL
SR 57 - STA 934+25 & SR 252 - 53+00

MED-57-17.52

78
118

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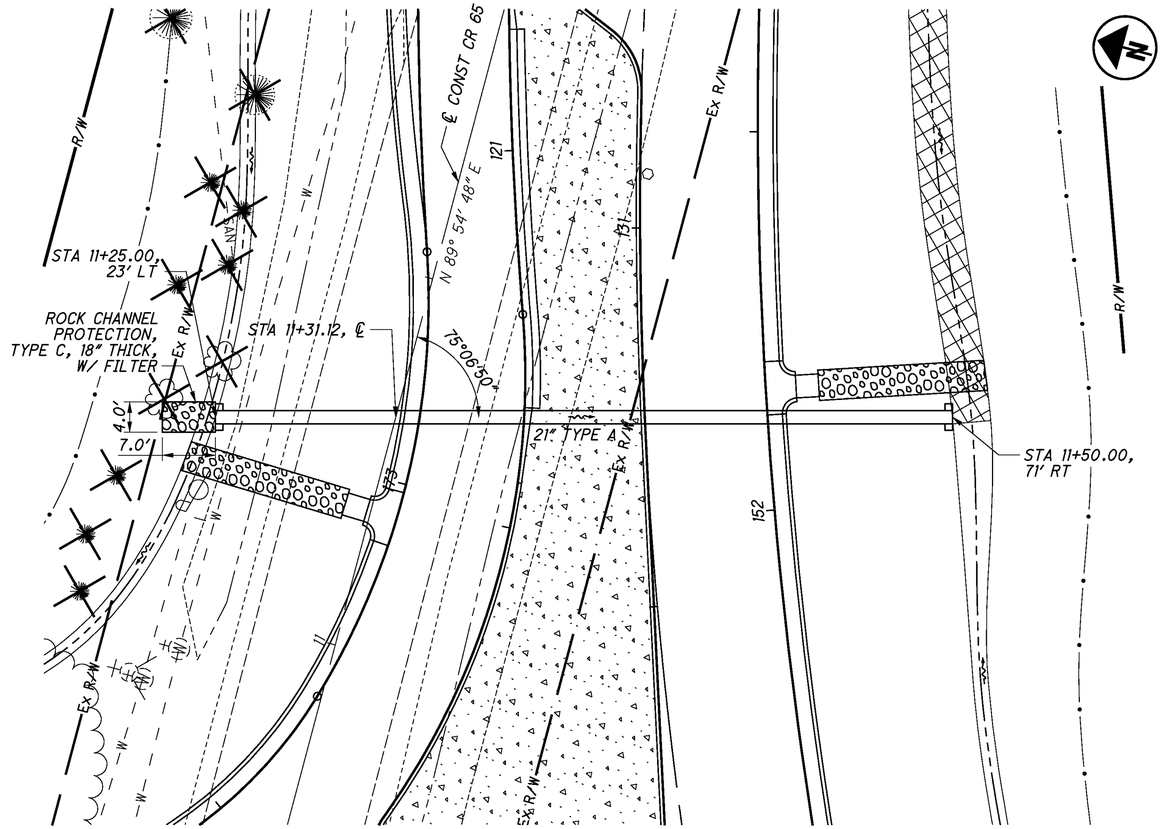

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
601	1.56	CU YD	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
602	0.78	CU YD	CONCRETE MASONRY
611	97	FT	21" CONDUIT, TYPE A

HYDRAULIC DESIGN DATA

DRAINAGE AREA = 10.7 AC
Q_{25} = 17.8 CFS
Q_{100} = 21.7 CFS
HW_{25} = 969.0 FT
HW_{100} = 969.8 FT
V_{25} = 7.9 FPS
V_{100} = 9.3 FPS

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
601	1.81	CU YD	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
602	1.68	CU YD	CONCRETE MASONRY
611	300	FT	12" CONDUIT, TYPE D, 707.45

HYDRAULIC DESIGN DATA

DRAINAGE AREA = 22.8 AC
Q_5 (PER PIPE) = 6.3 CFS
Q_{100} (PER PIPE) = 11.1 CFS
HW_5 = 960.5 FT
HW_{100} = 965.6 FT
V_5 = 8.1 FPS
V_{100} = 8.5 FPS

0 5 10 20
HORIZONTAL SCALE IN FEET

CALCULATED MTL
CHECKED MMR

CULVERT DETAIL
CR 65 - STA 11+31.12 & OFF-SITE DITCH

MED-57-17.52

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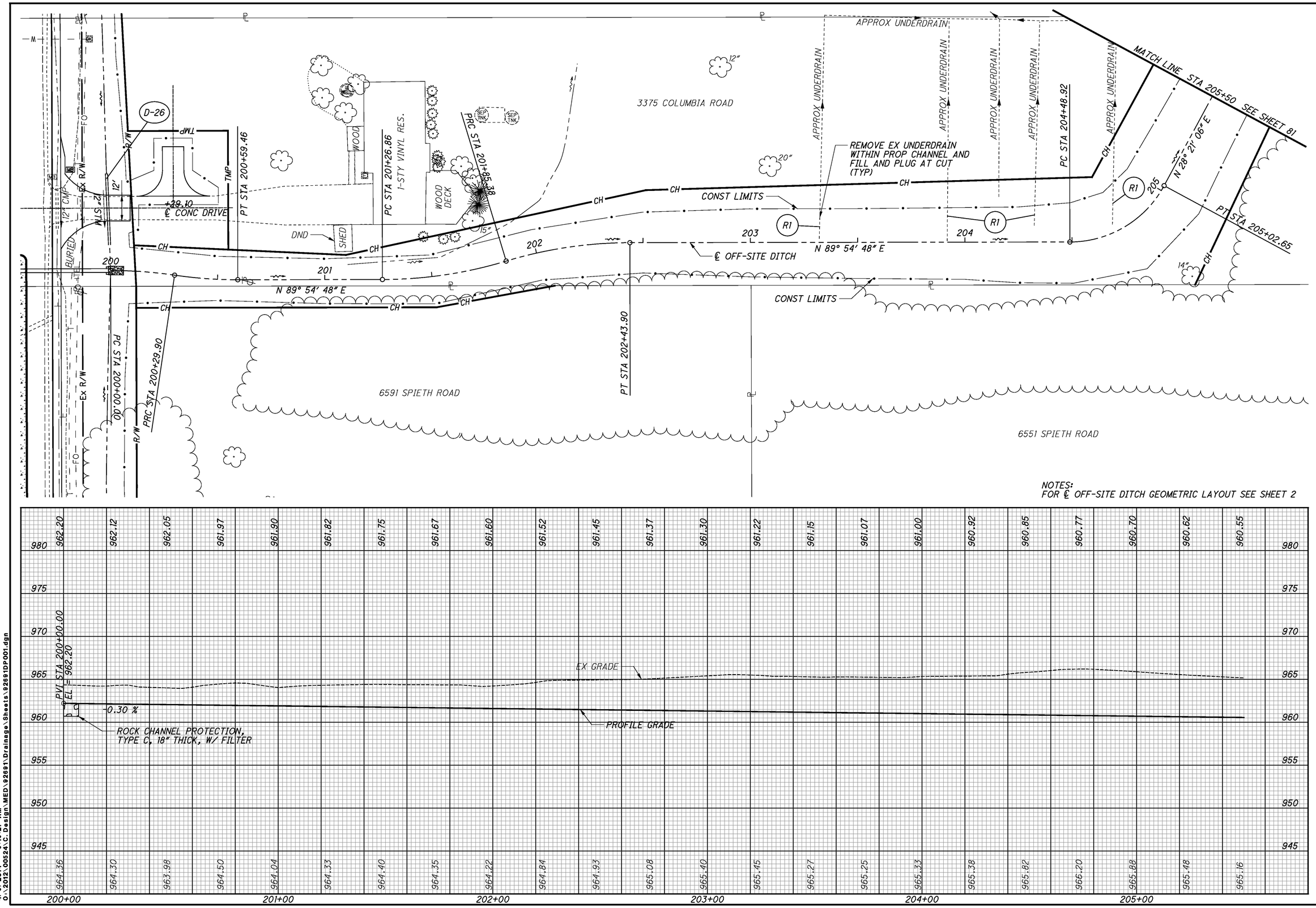

NOTES:
FOR ℄ OFF-SITE DITCH GEOMETRIC LAYOUT SEE SHEET 2

PLAN AND PROFILE - OFF-SITE DITCH
STA 200+00 TO STA 205+50

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED MMR

MED-57-17.52

80
118

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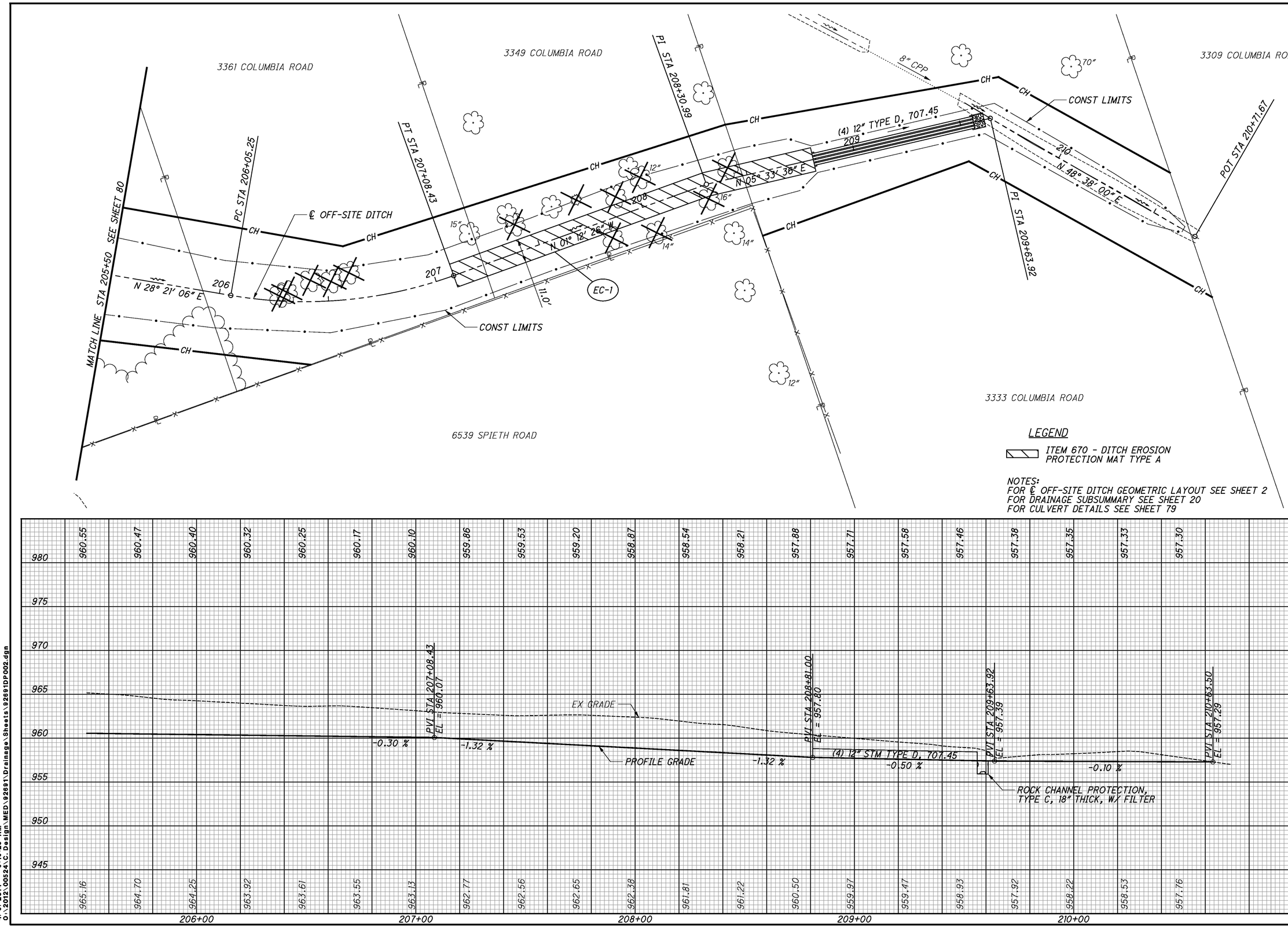

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED MMR

PLAN AND PROFILE - OFF-SITE DITCH
STA 205+50 TO STA 210+71.67

MED-57-17.52

81
118

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SEEDING END WIDTH	SEEDING SQ. YDS.	202+50 964.93	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
29	150		49	0	75	0
25	136	202+00 964.22	32	0	57	0
24	128	201+50 964.40	30	0	49	0
22	119	201+00 964.04	23	0	39	0
21	103	200+50 963.98	19	0	30	0
20	QUANTITIES BEGIN @ 200+05		17	0	QUANTITIES BEGIN @ 200+45	
636					250	0

SEEDING END WIDTH	SEEDING SQ. YDS.	205+00 965.88	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
41	228		102	0	185	0
41	211	204+50 965.82	98	0	157	0
35	192	204+00 965.33	72	0	129	0
34	186	203+50 965.27	67	0	122	0
33	172	203+00 965.40	65	0	106	0
					699	0
989						

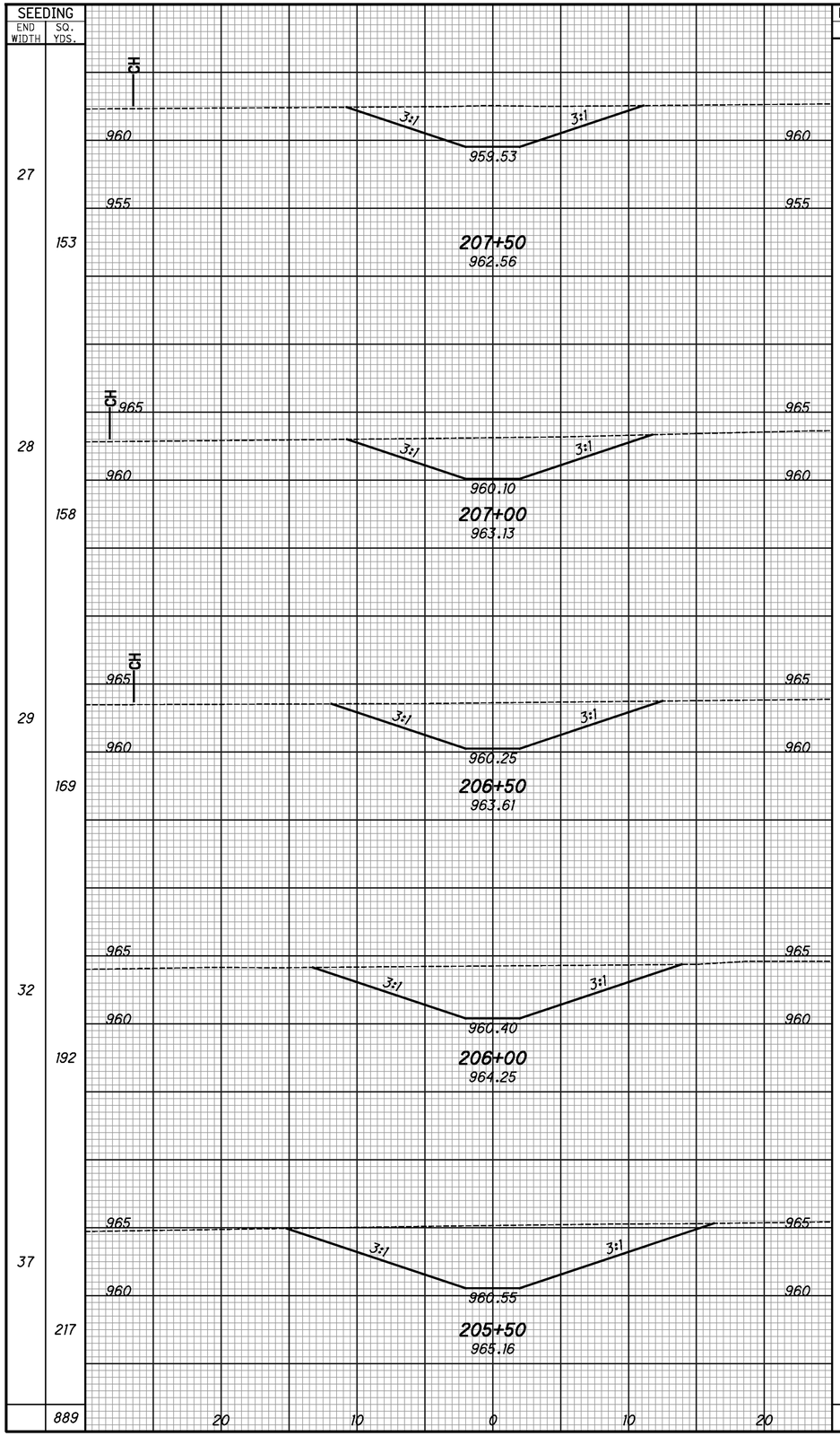
CALCULATED MTL
CHECKED MMR

CROSS SECTIONS - OFF-SITE DITCH STA. 200+50 TO STA. 205+00

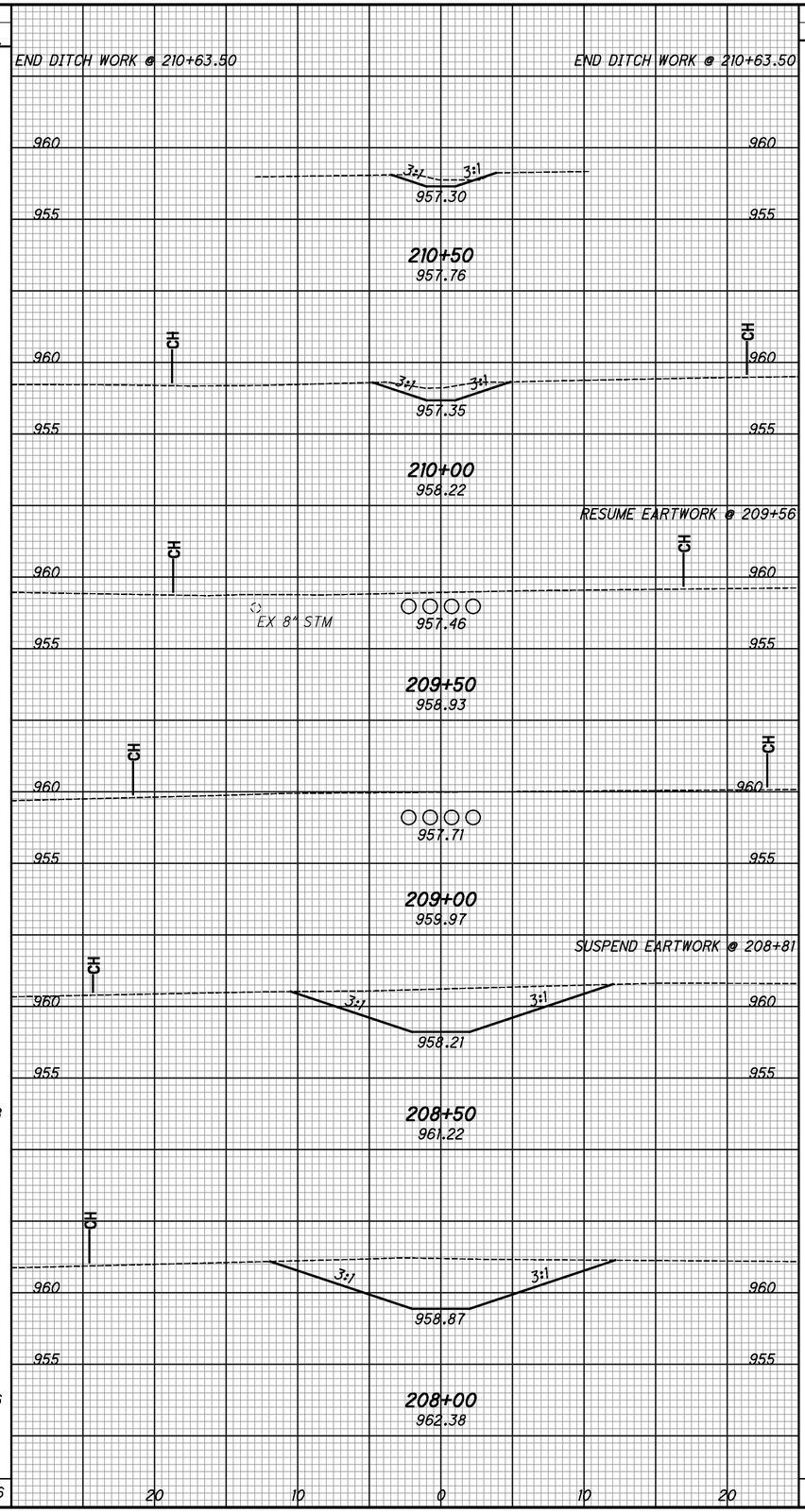
MED-57-17.52

82
118

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
27	153	39	0	73	0
28	158	40	0	81	0
29	169	48	0	100	0
32	192	60	0	131	0
37	217	82	0	170	0
	889			555	0



SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0		0	0		
	9			1	0
12		2	0		
	72			7	0
14		6	0		
	75			10	0
13		0	0		
	72			0	0
13		0	0		
	114			0	0
28		40	0		
	158			46	0
29		40	0		
	156			82	0
	656	49	0	81	0
				227	0



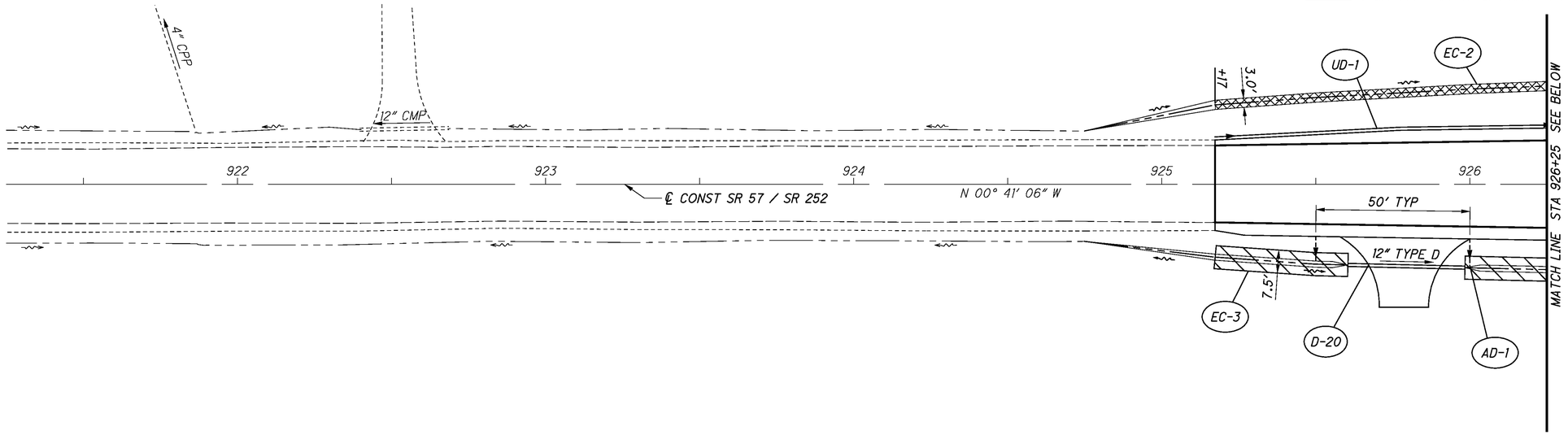
CALCULATED MTL
CHECKED MMR

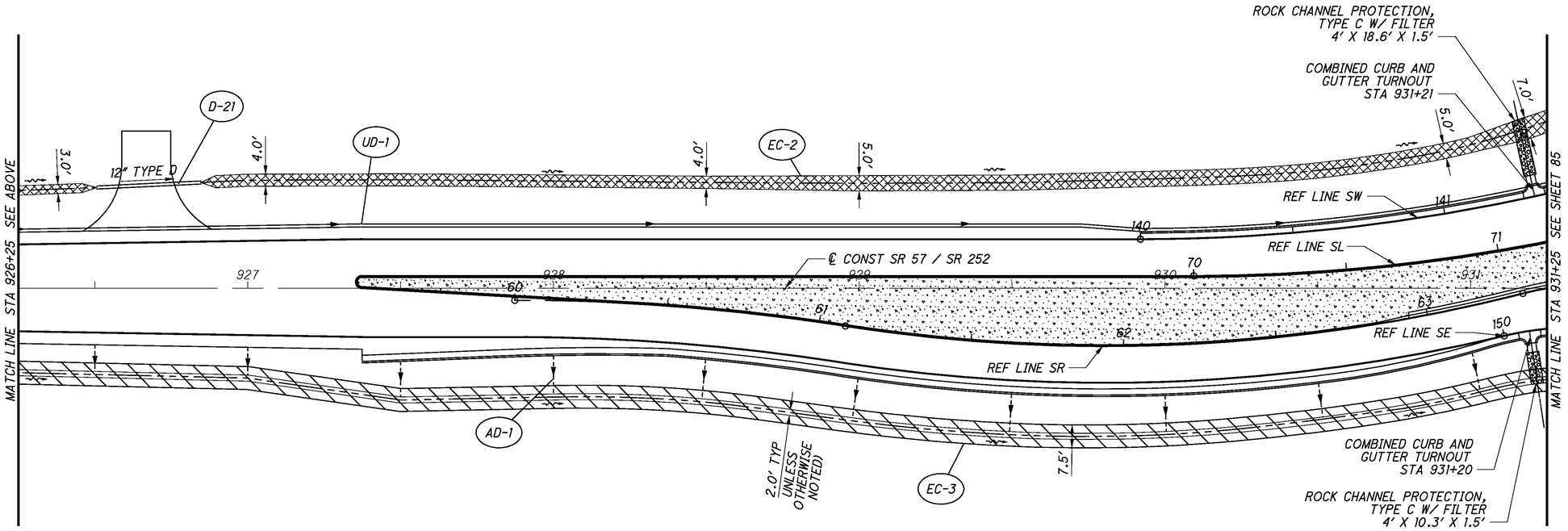
CROSS SECTIONS - OFF-SITE DITCH
STA. 205+50 TO STA. 210+50

MED-57-17.52

LEGEND

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED
- ITEM 605 - 4" BASE PIPE UNDERDRAINS
- ITEM 605 - AGGREGATE DRAIN
- VEGETATED BIOFILTER
- ITEM 670 - DITCH EROSION PROTECTION MAT, TYPE A





NOTES:
1. ALL STATIONS AND OFFSETS BASED ON ℄ CONST SR 57 / SR 252 UNLESS OTHERWISE NOTED.
2. FOR DRAINAGE AND UNDERDRAIN SUBSUMMARY SEE SHEET 20.

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED MMR

DRAINAGE DETAILS
SR 57 / SR 252 - STA 921+50 TO STA 931+25

MED-57-17.52

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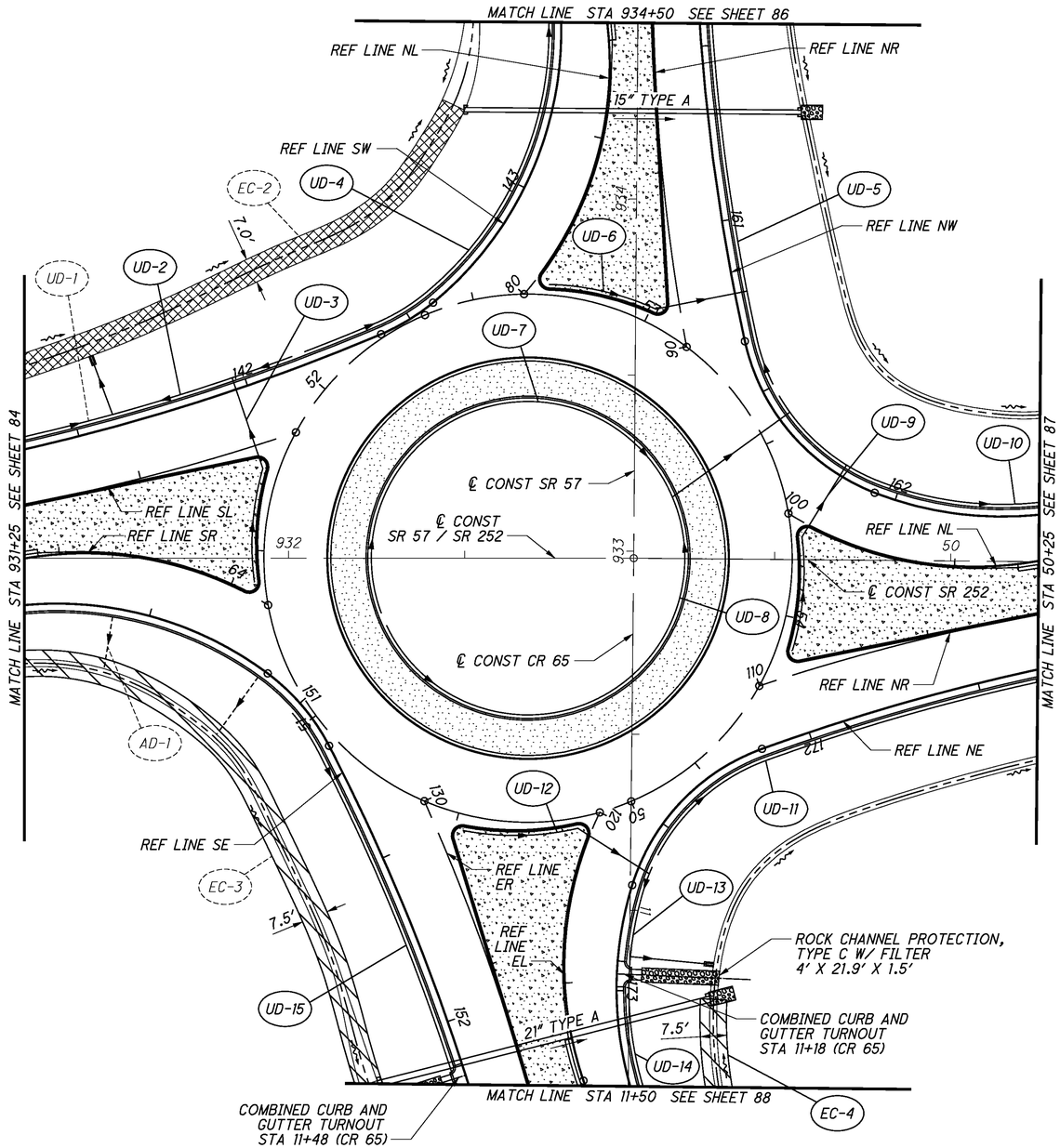


LEGEND

- → ITEM 605 - 4" BASE PIPE UNDERDRAINS
- - - → ITEM 605 - AGGREGATE DRAIN
- ■ ITEM 611 - PRECAST REINFORCED CONCRETE OUTLET
- ▨ VEGETATED BIOFILTER
- ▧ ITEM 670 - DITCH EROSION PROTECTION MAT, TYPE A

- ⬚ - ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED
- ⬚ - ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

NOTES:
1. ALL STATIONS AND OFFSETS BASED ON REF LINE CC UNLESS OTHERWISE NOTED.
2. FOR DRAINAGE AND UNDERDRAIN SUBSUMMARY SEE SHEET 20.

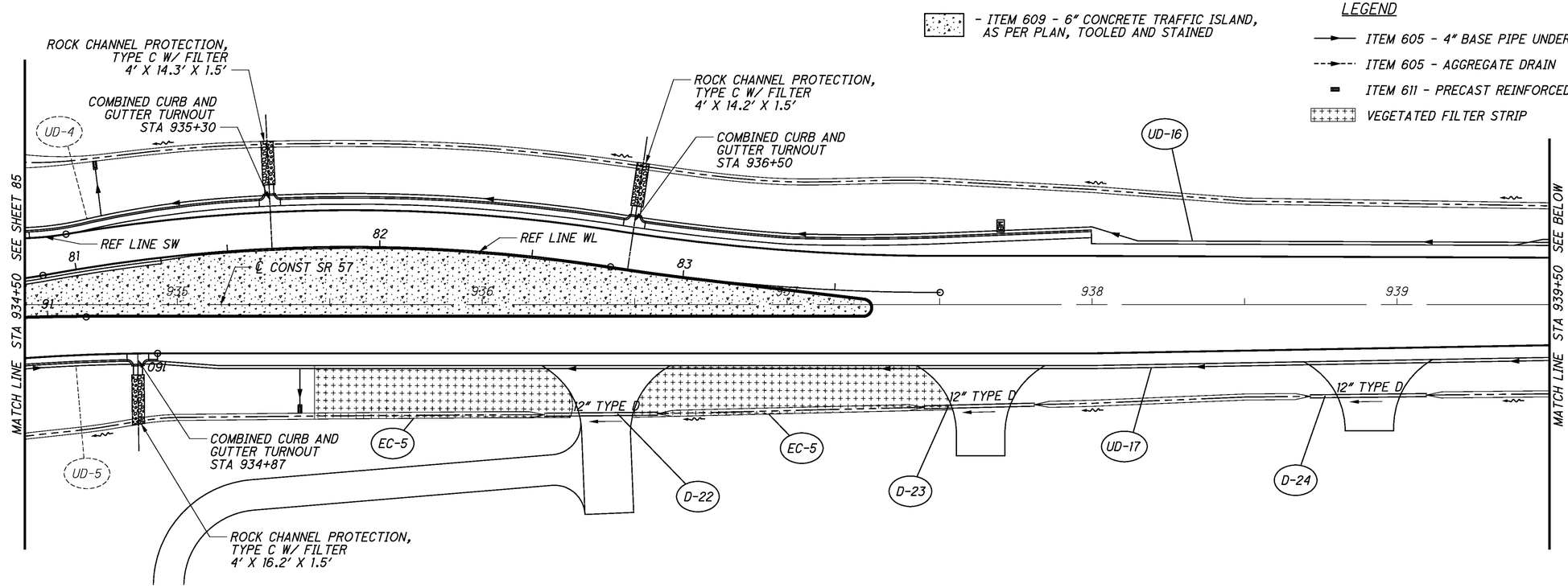
N

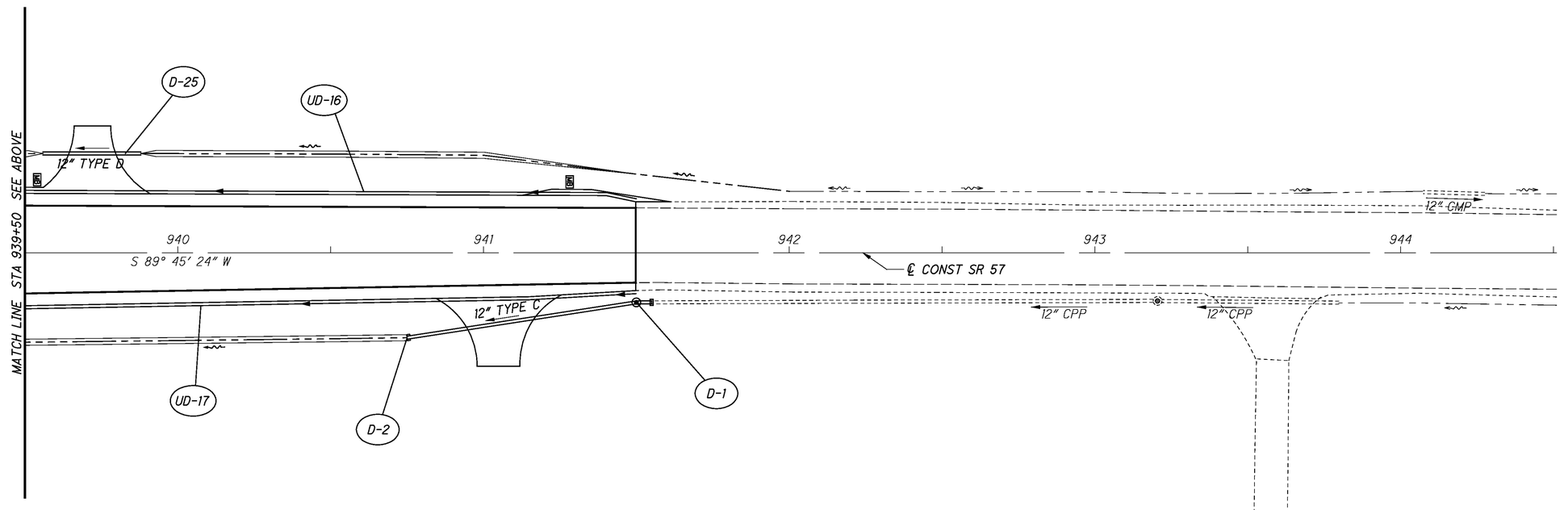
0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED MTL
CHECKED MMR

DRAINAGE DETAILS
ROUNDABOUT

MED-57-17.52





NOTES:
1. ALL STATIONS AND OFFSETS BASED ON ℄ CONST SR 57 UNLESS OTHERWISE NOTED.
2. FOR DRAINAGE AND UNDERDRAIN SUBSUMMARY SEE SHEET 20.

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED MMR

DRAINAGE DETAILS
SR 57 - STA 934+50 TO STA 944+50

MED-57-17.52

86
118

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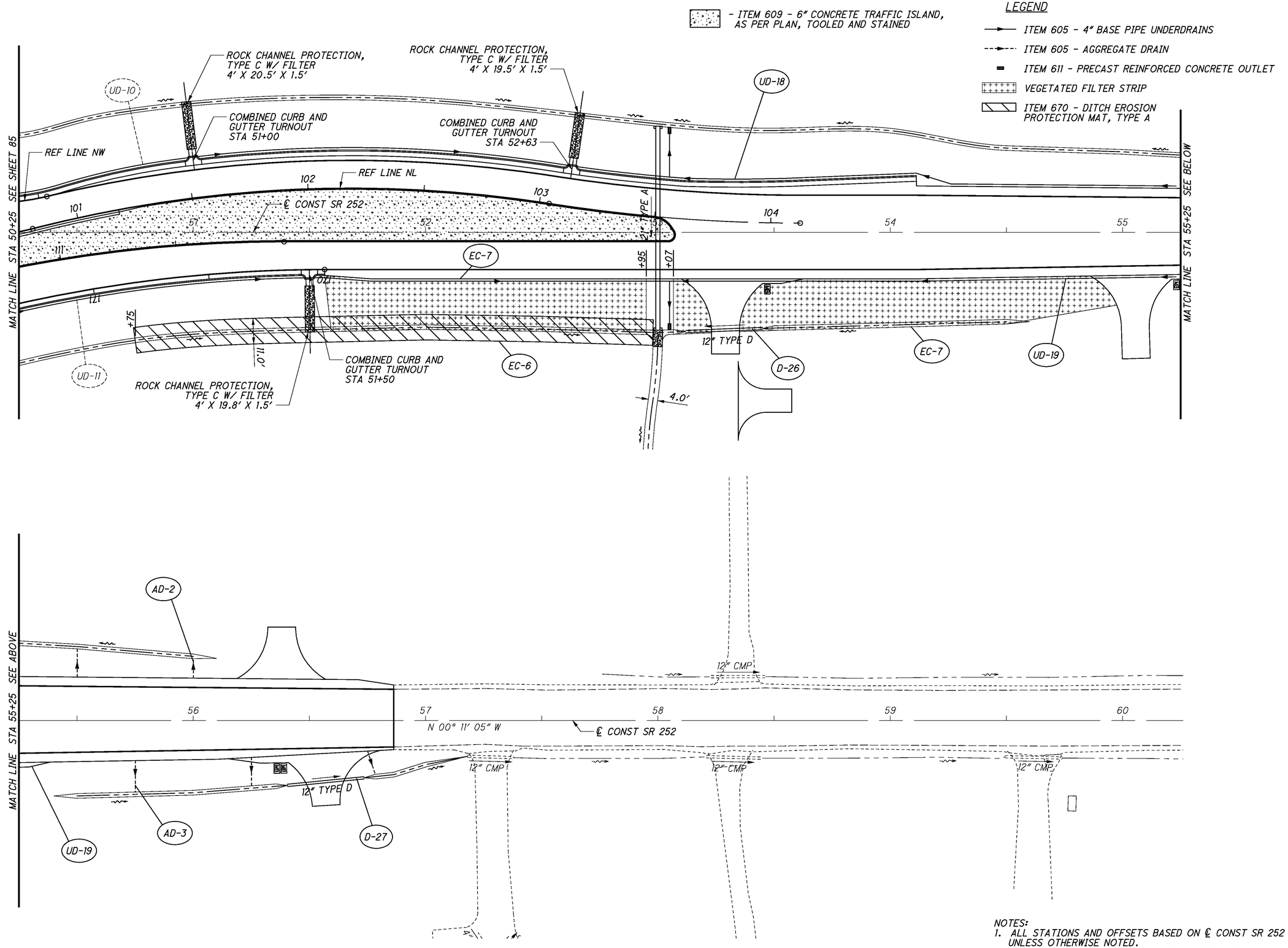

NOTES:
1. ALL STATIONS AND OFFSETS BASED ON ℄ CONST SR 252 UNLESS OTHERWISE NOTED.
2. FOR DRAINAGE AND UNDERDRAIN SUBSUMMARY SEE SHEET 20.

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED MMR

DRAINAGE DETAILS
SR 252 - STA 50+25 TO STA 60+00

MED-57-17.52

87
118

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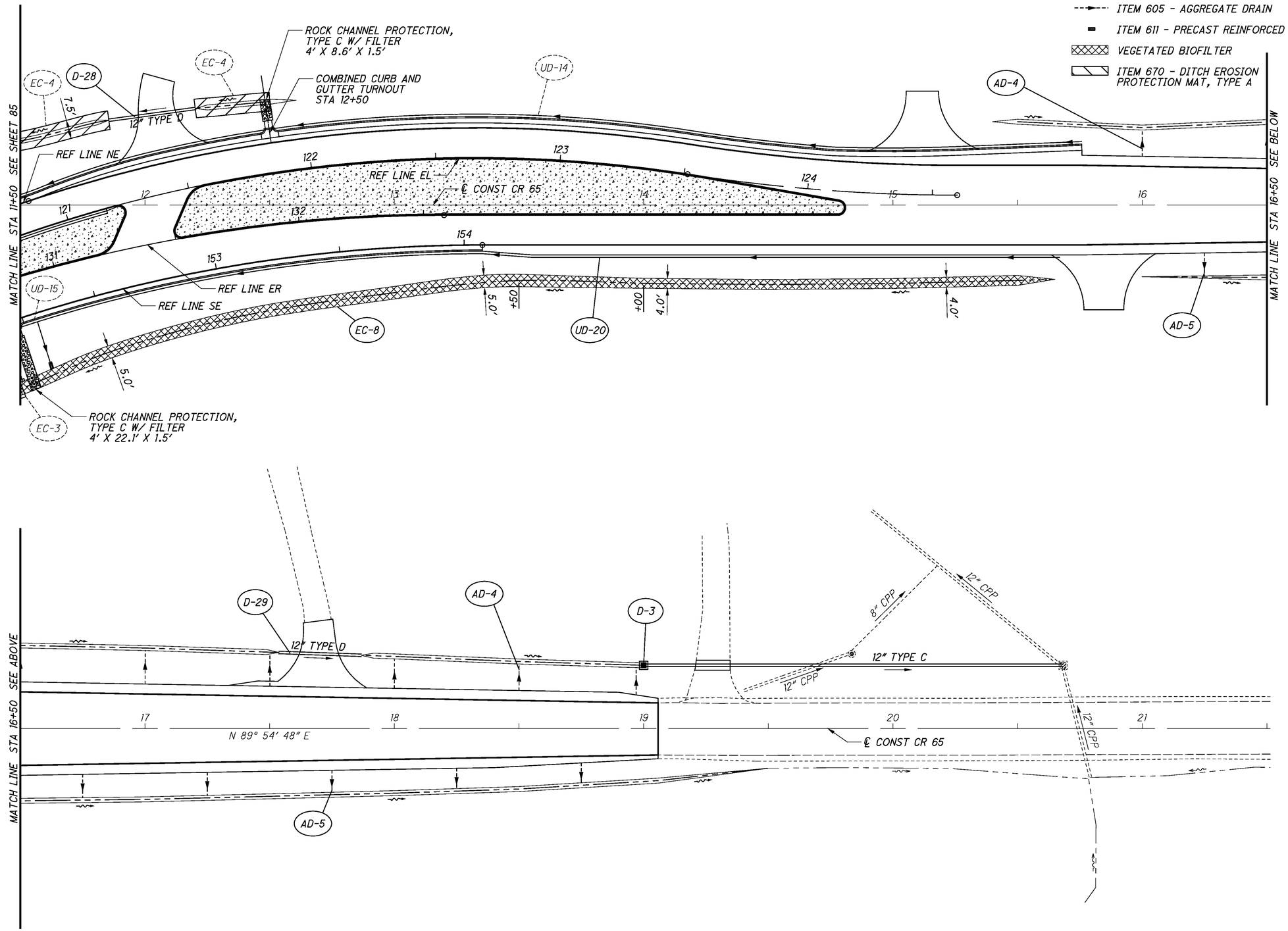

NOTES:
1. ALL STATIONS AND OFFSETS BASED ON ℄ CONST CR 65 UNLESS OTHERWISE NOTED.
2. FOR DRAINAGE AND UNDERDRAIN SUBSUMMARY SEE SHEET 20.

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED MMR

DRAINAGE DETAILS
CR 65 - STA 11+50 TO STA 21+50

MED-57-17.52

88
118

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SHEET NO.	REFERENCE. NO.	LOCATION	STATION FROM	STATION TO	SIDE	621 RPM EACH	621 RAISED PAVEMENT MARKER REMOVED EACH	644 EDGE LINE, WHITE, 4" MILE	644 EDGE LINE, YELLOW, 4" MILE	644 CENTER LINE MILE	644 TRANSVERSE/DIAGONAL LINE LIN FT	644 DOTTED LINE, 12" LIN FT	644 YIELD LINE LIN FT
93	WE-1	SR 57 / SR 252	925+17	929+92	LT			0.09					
93	WE-2	SR 57 / SR 252	925+17	150+00 (SE)	RT			0.11					
93	CL-1	SR 57 / SR 252	925+17	927+35	LT	3	10			0.04			
93	CL-2	SR 57 / SR 252	925+17	927+35	RT	3				0.04			
93	YT-1	SR 57 / SR 252	925+17	927+35	LT/RT						54		
93	YE-1	SR 57 / SR 252	927+37	51+86 (CC)	LT				0.09				
93	YE-2	SR 57 / SR 252	927+37	51+34 (CC)	RT				0.09				
94	YL-1	SR 57 / SR 252	150+76 (SE)	-	LT								16
94	YL-2	SR 57	142+78 (SW)	-	RT								16
94	YE-1	SR 57	52+64 (CC)	937+28	LT				0.07				
94	YE-2	SR 57	53+15 (CC)	937+28	RT				0.07				
94	YL-3	SR 252	161+77 (NW)	-	RT								17
94	YE-3	SR 252	53+70 (CC)	53+07	LT				0.07				
94	YE-4	SR 252	54+22 (CC)	53+07	RT				0.07				
94	YL-4	CR 65	172+56 (NE)	-	RT								16
94	YE-5	CR 65	50+09 (CC)	14+81	LT				0.08				
94	YE-6	CR 65	50+61 (CC)	14+81	RT				0.08				
94	DL-1	ROUNDABOUT	50+91 (CC)	51+34 (CC)	℄							43	
94	DL-2	ROUNDABOUT	52+22 (CC)	52+64 (CC)	℄							42	
94	DL-3	ROUNDABOUT	53+15 (CC)	53+70 (CC)	℄							44	
94	DL-4	ROUNDABOUT	54+39 (CC)	50+09 (CC)	℄							44	
94	WE-1	ROUNDABOUT	51+34 (CC)	51+86 (CC)	℄			0.01					
94	WE-2	ROUNDABOUT	52+64 (CC)	53+15 (CC)	℄			0.01					
94	WE-3	ROUNDABOUT	53+70 (CC)	54+22 (CC)	℄			0.01					
94	WE-4	ROUNDABOUT	50+09 (CC)	50+61 (CC)	℄			0.01					
95	WE-1	SR 57	143+62 (SW)	941+50	LT		10	0.13					
95	WE-2	SR 57	934+93	941+50	RT			0.12					
95	CL-1	SR 57	937+28	941+50	LT	6	10			0.08			
95	CL-2	SR 57	937+28	941+50	RT	6				0.08			
95	YT-1	SR 57	937+28	941+50	LT/RT						111		
96	WE-1	SR 252	165+54 (NW)	56+86	LT			0.12					
96	WE-2	SR 252	51+57	56+86	RT			0.10					
96	CL-1	SR 252	53+07	56+86	LT	5	16			0.07			
96	CL-2	SR 252	53+07	56+86	RT	5				0.07			
96	YT-1	SR 252	53+07	56+86	LT/RT						115		
97	WE-1	CR 65	173+31 (NE)	19+06	LT			0.14					
97	WE-2	CR 65	13+35	19+06	RT			0.11					
97	CL-1	CR 65	14+81	19+06	LT	6				0.08			
97	CL-2	CR 65	14+81	19+06	RT	6				0.08			
97	YT-1	CR 65	14+81	19+06	LT/RT						124		
SHEET TOTALS						40	46	0.96	0.62	0.54	404	173	65
TOTALS CARRIED TO GENERAL SUMMARY						40	46	1.58		0.54	404	173	65

CALCULATED MTL
CHECKED VDK

PAVEMENT MARKING SUBSUMMARY

MED-57-17.52

SHEET NO.	REFERENCE. NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)			202 REMOVAL MISC.: MEMORY LANE FARM SIGN EACH	630 GROUND MOUNTED SUPPORT, NO. 2 POST LIN FT	630 GROUND MOUNTED SUPPORT, NO. 3 POST LIN FT	630 GROUND MOUNTED SUPPORT, NO. 4 POST LIN FT	630 SIGN POST REFLECTOR EACH	630 SIGN. FLAT SHEET SQ FT	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	630 REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH
93	S1	SR 57 / SR 252	923+50	RT	W2-6	30	x	30						6.3			
					W13-1P	18	x	18			13.7		1	2.3			
					W16-H8P	48	x	8						2.7			
93	S2	SR 57 / SR 252	926+50	RT	M3-1	24	x	12						2.0			
					M1-5-2	24	x	24			13.8			4.0			
					M5-3	21	x	15						2.2			
					M3-1	24	x	12						2.0			
					M1-5-3	30	x	24			13.8			5.0			
					M6-3	21	x	15						2.2			
93	S3	SR 57 / SR 252	927+37	LT	R4-7	24	x	30			13.0		1	5.0			
93	S4	SR 57 / SR 252	927+50	LT	R2-1	24	x	30		13.0			1	5.0			
93	S5	SR 57 / SR 252	928+25	RT	W3-2	30	x	30		14.0			1	6.3			
					M3-3	24	x	12						2.0			
93	S6	SR 57 / SR 252	930+00	LT	M1-5-2	24	x	24				15.5		4.0			
					M1-5-3	30	x	24						5.0			
					D1-H1A	72	x	16						8.0			
93	S7	SR 57 / SR 252	930+00	RT	D1-H1A	72	x	8			13.8 13.8			4.0			
					D1-H1A	72	x	8						4.0			
					D1-H1A	72	x	8						4.0			
93	R1	SR 57 / SR 252	920+64	RT											1	1	
93	R2	SR 57 / SR 252	923+63	RT											2	1	
93	R3	SR 57 / SR 252	925+67	RT											3	1	
93	R4	SR 57 / SR 252	927+58	RT											1	1	
93	R5	SR 57 / SR 252	927+59	LT											2	1	
93	R6	SR 57 / SR 252	929+42	RT											4	2	
					M3-3	24	x	12						2.0			
					M1-5-2	24	x	24						4.0			
94	S1	SR 57 / SR 252	71+80 (SL)	RT	M1-5-3	30	x	24				17.8 17.8		5.0			
					D3-H1	72	x	12						6.0			
					M6-2	21	x	15						2.2			
94	S2	SR 57 / SR 252	64+00 (SR)	LT	R1-2	36	x	36		13.5			1	3.9			
94	S3	SR 57 / SR 252	150+76 (SE)	RT	R1-2	36	x	36		13.5			1	3.9			
					M3-1	24	x	12						2.0			
94	S4	SR 57	90+16 (WR)	LT	M1-5-2	24	x	24				15.8		4.0			
					D3-H1	72	x	12						6.0			
					M6-2	21	x	15						2.2			
94	S5	SR 57	80+12 (WL)	RT	R1-2	36	x	36		13.5			1	3.9			
94	S6	SR 57	142+78 (SW)	LT	R1-2	36	x	36		13.5			1	3.9			
					M3-1	24	x	12						2.0			
94	S7	SR 252	110+16 (NR)	LT	M1-5-3	30	x	24				15.8		5.0			
					D3-H1	72	x	12						6.0			
					M6-2	21	x	15						2.2			
94	S8	SR 252	100+12 (NL)	RT	R1-2	36	x	36		13.5			1	3.9			
94	S9	SR 252	161+77 (NW)	LT	R1-2	36	x	36		13.5			1	3.9			
SHEET TOTALS CARRIED TO SHEET 92									0	108.0	81.8	82.5	10	148.0	13	7	0

CALCULATED MTL
CHECKED VDK

SIGNING SUBSUMMARY

MED-57-17.52

SHEET NO.	REFERENCE. NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)			202 REMOVAL MISC.: MEMORY LANE FARM SIGN EACH	630 GROUND MOUNTED SUPPORT, NO. 2 POST LIN FT	630 GROUND MOUNTED SUPPORT, NO. 3 POST LIN FT	630 GROUND MOUNTED SUPPORT, NO. 4 POST LIN FT	630 SIGN POST REFLECTOR EACH	630 SIGN. FLAT SHEET SQ FT	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	630 REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH
94	S10	CR 65	10+81	RT	M1-6	24	x	24						4.0			
					D3-H1	72	x	12				14.8		6.0			
					M6-2	21	x	15						2.2			
94	S11	CR 65	120+12 (EL)	RT	R1-2	36	x	36		13.5			1	3.9			
94	S12	CR 65	172+56 (NE)	LT	R1-2	36	x	36		13.5			1	3.9			
94	S13	ROUNDABOUT	51+10 (CC)	RT	R6-4A	48	x	24		17.0				8.0			
94	S14	ROUNDABOUT	52+55 (CC)	RT	R6-4A	48	x	24		17.0				8.0			
94	S15	ROUNDABOUT	53+45 (CC)	RT	R6-4A	48	x	24		17.0				8.0			
94	S16	ROUNDABOUT	54+45 (CC)	RT	R6-4A	48	x	24		17.0				8.0			
94	R1	SR 57 / SR 252	931+65	LT											3	1	
94	R2	SR 57 / SR 252	932+23	LT											5	1	
94	R3	SR 57	933+52	LT											1	1	
94	R4	SR 57	933+55	RT											1	1	
94	R5	SR 252	49+42	LT											2		1
94	R6	SR 252	49+66	LT					1								
94	R7	SR 252	49+36	RT											3	1	
94	R8	SR 252	49+37	RT											3	1	
94	R9	CR 65	10+35	RT											3	1	
94	R10	CR 65	10+36	RT											2	1	
94	R11	CR 65	10+46	LT											1	1	
94	R12	CR 65	10+79	RT											1	1	
95	S1	SR 57	935+75	LT	D1-H1A	72	x	16		12.5 12.5				8.0			
					D1-H1A	72	x	8						4.0			
95	S2	SR 57	936+40	RT	R6-2R	24	x	30		13.0				5.0			
95	S3	SR 57	937+00	RT	M3-1	24	x	12		13.5				2.0			
					M1-5-2	24	x	24						4.0			
95	S4	SR 57	937+25	RT	R4-7	24	x	30			13.0		1	5.0			
95	S5	SR 57	937+50	LT	W3-2	30	x	30		14.0			1	6.3			
95	S6	SR 57	939+25	LT	M1-5-3	30	x	24			13.8			5.0			
					M6-4	21	x	15						2.2			
					M3-3	24	x	12						2.0			
					M1-5-2	24	x	24			14.8			4.0			
					M5-1	21	x	15						2.2			
95	S7	SR 57	942+00	LT	M2-1	21	x	15		13.8				2.2			
					M1-5-3	30	x	24						5.0			
95	S8	SR 57	944+00	LT	W2-6	30	x	30			15.2		1	6.3			
					W13-1P	18	x	18						2.3			
					W16-H8P	48	x	8						2.7			
95	R1	SR 57	937+10	RT											2	1	
95	R2	SR 57	937+85	LT											2	2	
95	R3	SR 57	940+21	LT											3	1	
95	R4	SR 57	941+81	LT											2	1	
95	R5	SR 57	944+26	RT											1	1	
95	R6	SR 57	944+27	LT											1	1	
SHEET TOTALS CARRIED TO SHEET 92									1	174.3	56.7	14.8	5	120.2	36	17	1

CALCULATED MTL
CHECKED VDK

SIGNING SUBSUMMARY

MED-57-17.52

SHEET NO.	REFERENCE. NO.	LOCATION	STATION	SIDE	CODE	SIZE (INCHES)			202 REMOVAL MISC.: MEMORY LANE FARM SIGN EACH	630 GROUND MOUNTED SUPPORT, NO. 2 POST LIN FT	630 GROUND MOUNTED SUPPORT, NO. 3 POST LIN FT	630 GROUND MOUNTED SUPPORT, NO. 4 POST LIN FT	630 SIGN POST REFLECTOR EACH	630 SIGN. FLAT SHEET SQ FT	630 REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	630 REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	630 REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL EACH
96	S1	SR 252	51+45	RT	M3-1	24	x	12		13.5				2.0			
					M1-5-3	30	x	24						5.0			
96	S2	SR 252	51+75	LT	D1-H1A	72	x	8			13.2 13.2			4.0			
					D1-H1A	72	x	8						4.0			
					D1-H1A	72	x	8						4.0			
					D1-H1A	72	x	8						4.0			
96	S3	SR 252	52+80	RT	D10-1	10	x	18		12.0				1.3			
96	S4	SR 252	53+02	LT	R4-7	24	x	30			13.0		1	5.0			
96	S5	SR 252	53+50	LT	W3-2	30	x	30			14.0		1	6.3			
96	S6	SR 252	54+00	RT	R2-1	24	x	30		13.0			1	5.0			
96	S7	SR 252	55+25	LT	M3-3	24	x	12			14.8			2.0			
					M1-5-3	30	x	24						5.0			
					M6-3	21	x	15						2.2			
					M1-5-2	24	x	24			13.8			4.0			
					M6-6	21	x	15						2.2			
96	S8	SR 252	57+00	LT	M2-1	21	x	15		13.8				2.2			
					M1-5-2	24	x	24						4.0			
96	S9	SR 252	58+75	LT	W2-6	30	x	30			13.7		1	6.3			
					W13-1P	18	x	18						2.3			
					W16-H8P	48	x	8						2.7			
96	R1	SR 252	52+05	LT											2	2	
96	R2	SR 252	52+32	RT											1	1	
96	R3	SR 252	52+84	RT											1	1	
96	R4	SR 252	54+00	LT											2	1	
96	R5	SR 252	56+67	LT											2	1	
97	S1	CR 65	13+25	RT	M1-6	24	x	24		12.5				4.0			
97	S2	CR 65	14+50	LT	W3-2	30	x	30			14.0		1	6.3			
97	S3	CR 65	14+78	RT	R4-7	24	x	30			13.0		1	5.0			
97	S4	CR 65	17+00	LT	M1-5-2	24	x	24			13.8			4.0			
					M6-6	21	x	15						2.2			
					M1-5-3	30	x	24			13.8			5.0			
					M6-4	21	x	15						2.2			
97	S5	CR 65	19+00	LT	M2-1	21	x	15			15.8			2.2			
					M1-5-2	24	x	24						4.0			
					M1-5-3	30	x	24						5.0			
97	S6	CR 65	21+00	LT	W2-6	30	x	30			16.2		1	6.3			
					W13-1P	18	x	18						2.3			
					W16-H8P	48	x	8						2.7			
97	R1	CR 65	19+01	LT											1	1	
SHEET TOTALS									0	64.8	181.9	0.0	7	124.7	9	7	0
SHEET TOTALS FROM SHEET 90									0	108.0	81.8	82.5	10	148.0	13	7	0
SHEET TOTALS FROM SHEET 91									1	174.3	56.7	14.8	5	120.2	36	17	1
TOTALS CARRIED TO GENERAL SUMMARY									1	347.0	320.4	97.3	22	392.9	58	31	1

CALCULATED MTL
CHECKED VDK

SIGNING SUBSUMMARY

MED-57-17.52

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

LEGEND

- WE-# EDGE LINE, WHITE 4"
- YE-# EDGE LINE, YELLOW 4"
- CL-# CENTER LINE, DOUBLE YELLOW 4"
- YT-# TRANSVERSE/DIAGONAL LINE, YELLOW 24"
- YL-# YIELD LINE (SEE DETAIL, SHEET 94)
- DL-# DOTTED LINE, 12" (SEE DETAIL, SHEET 94)
- XX-# PAVEMENT MARKING QUANTITY CONTUNUED FROM OTHER SHEET

EX SIGN TO BE REMOVED | EX SIGN TO REMAIN | PROP SIGN

HORIZONTAL SCALE IN FEET: 0, 10, 20, 40

CALCULATED MTL | CHECKED BER

SIGNING AND PAVEMENT MARKING PLAN
SR 57 / SR 252 - STA 920+50 TO STA 931+25

MED-57-17.52

93 / 118

921 | 922 | 923 | 924 | 925 | +17

℄ CONST SR 57 / SR 252

N 00° 41' 06" W

12.5' | 12.5'

WE-1 | CL-1 | 926 | WE-2 | CL-2 | YT-1

MATCH LINE STA 926+25 SEE BELOW

BEGIN EDGE LINES, WHITE, LT & RT
BEGIN CENTER LINES, DOUBLE YELLOW, ℄ (MATCH EXISTING)

STA 920+64, 21.7' RT
R1

W2-6-30
W13-1P-18
W16-H8P-48
STA 923+50, 26.0' RT
S1

STA 923+63, 20.8' RT
R2

STA 925+67, 19.7' RT
R3

S6
M3-3-24
M1-5-24-2
M1-5-30-3
STA 930+00, 22.1' LT

END EDGE LINE, WHITE, LT

MATCH LINE STA 926+25 SEE ABOVE

S3
R4-7-24
STA 927+37, 2.0' LT

S4
R2-1-24
STA 927+50, 28.0' LT

R5
STA 927+59, 21.1' LT

END CENTER LINES, DOUBLE YELLOW, LT & RT
BEGIN EDGE LINES, YELLOW, LT & RT

CL-1 | CL-2 | YT-1 | 927 | 11.5' | +35 | 11.5' | WE-1 | YE-1 | WE-2 | YE-2 | 928 | 60 | 61 | 62 | ℄ CONST SR 57 / SR 252 | 929 | 930 | 11.5' | +92 | 140 | 70 | 71 | 931 | 63 | 150 | 11.5' | +00 (SE)

REF LINE SW | REF LINE SL | 141 | REF LINE SR | REF LINE SE

MATCH LINE STA 931+25 SEE SHEET 94

END EDGE LINE, WHITE, RT

M3-1-24
M1-5-24-2
M5-3-21
M3-1-24
M1-5-30-3
M6-3-21
STA 926+50, 28.8' RT
S2

STA 927+58, 20.6' RT
R4

W3-2-30
STA 928+25, 25.0' RT
S5

STA 929+42, 23.3' RT
R6

D1-HIA-72
D1-HIA-72
D1-HIA-72
D1-HIA-72
STA 930+00, 40.2' RT
S7

NOTES:
1. ALL STATIONS AND OFFSETS BASED ON ℄ CONST SR 57 / SR 252 UNLESS OTHERWISE NOTED.

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NOTES:
1. ALL STATIONS AND OFFSETS BASED ON REF LINE CC UNLESS OTHERWISE NOTED.
2. FOR LEGEND, SEE SHEET 93.

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED MTL
CHECKED BER

SIGNING AND PAVEMENT MARKING PLAN ROUNDABOUT

MED-57-17.52

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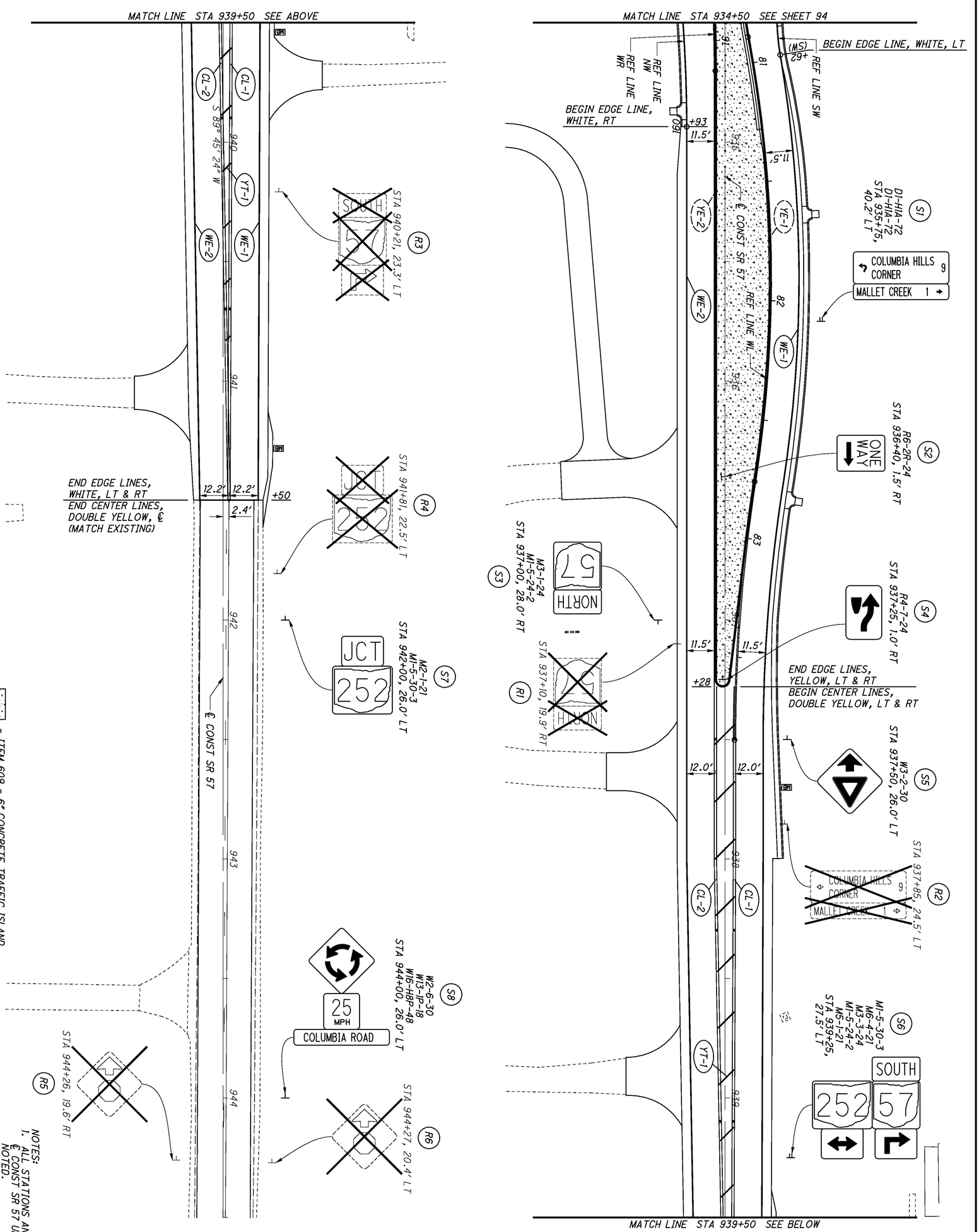


▨ - ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

NOTES:
1. ALL STATIONS AND OFFSETS BASED ON ℄ CONST SR 57 UNLESS OTHERWISE NOTED.
2. FOR LEGEND, SEE SHEET 93.

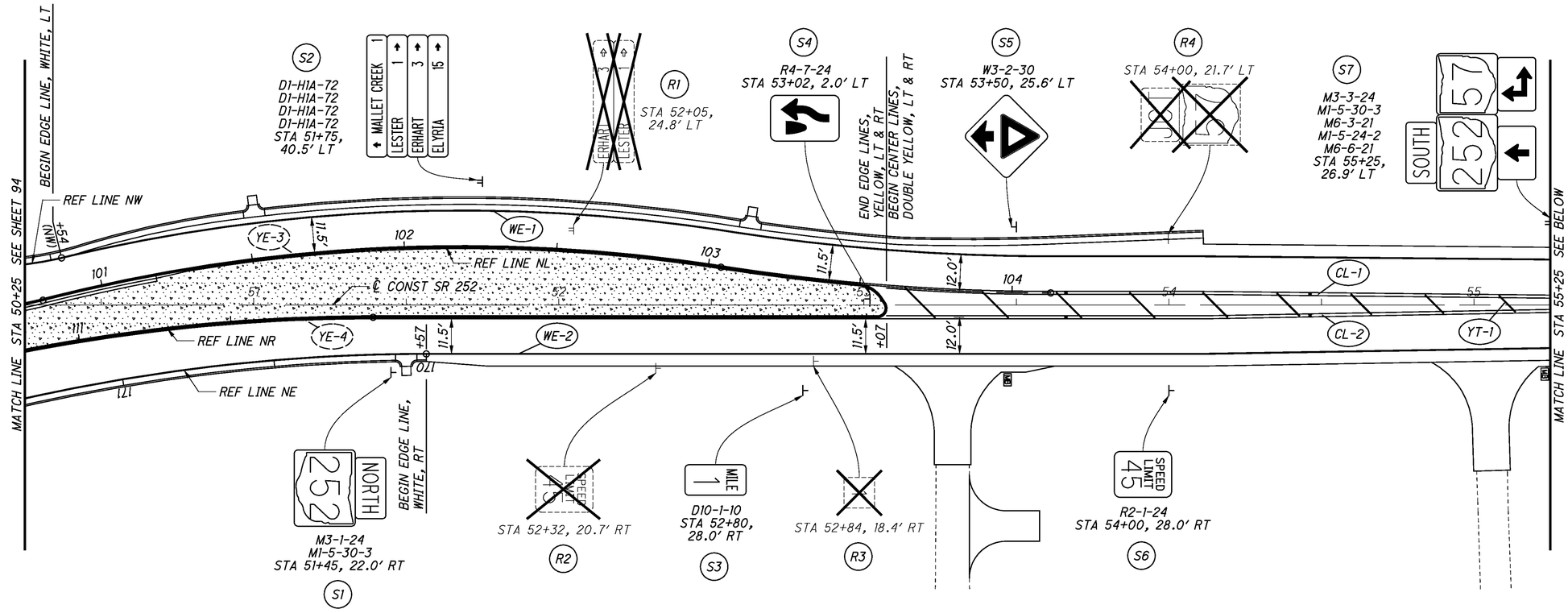
MED-57-17.52

SIGNING AND PAVEMENT MARKING PLAN
SR 57 - STA 934+50 TO STA 944+50

CALCULATED MTL
CHECKED BER

0 20
10 40
HORIZONTAL SCALE IN FEET

N



- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

NOTES:
1. ALL STATIONS AND OFFSETS BASED ON ℄ CONST SR 252 UNLESS OTHERWISE NOTED.
2. FOR LEGEND, SEE SHEET 93.

CALCULATED MTL
CHECKED BER

HORIZONTAL SCALE IN FEET
0 10 20 40

SIGNING AND PAVEMENT MARKING PLAN
SR 252 - STA 50+25 TO STA 60+50

MED-57-17.52

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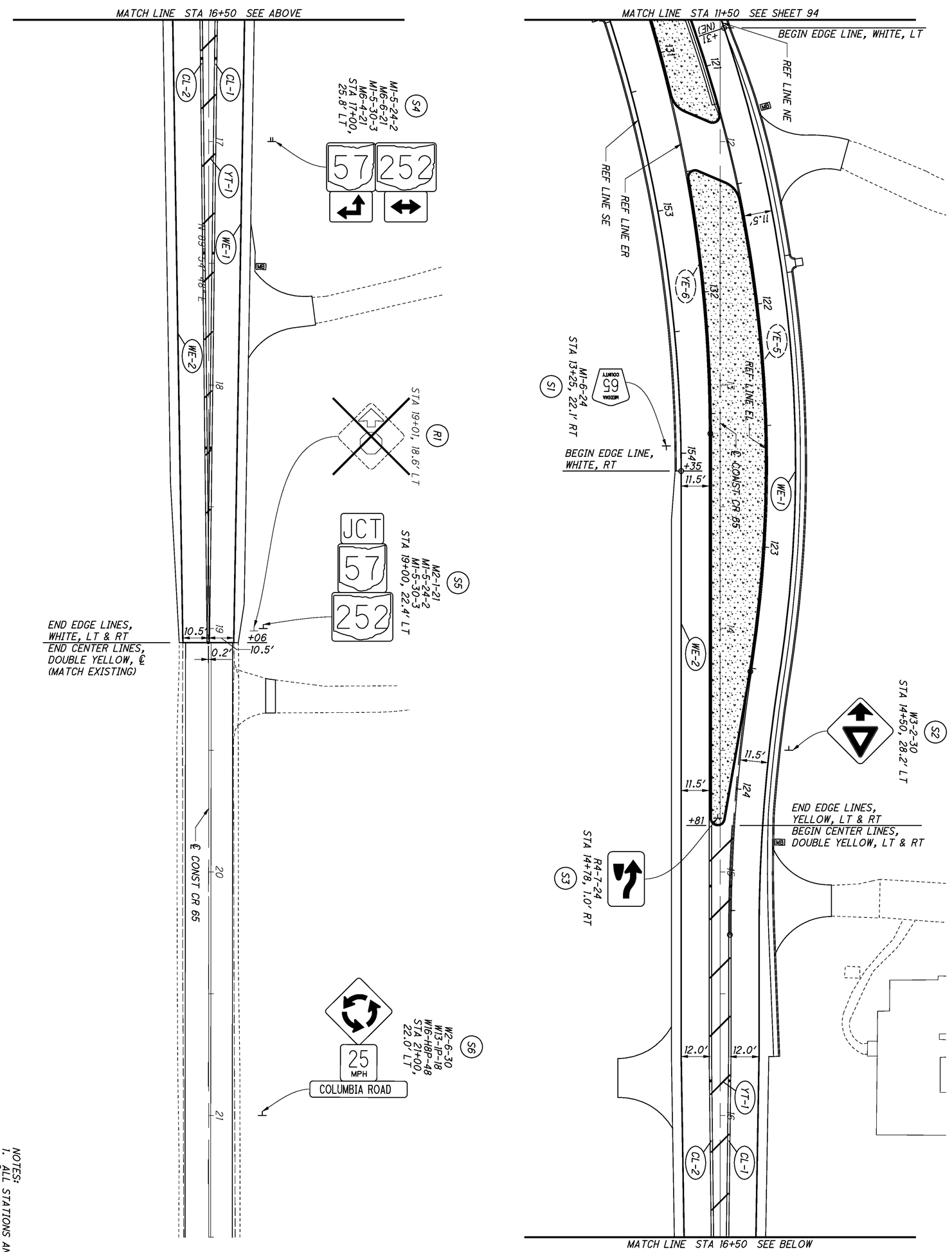

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

NOTES:
1. ALL STATIONS AND OFFSETS BASED ON ℄ CONST CR 65 UNLESS OTHERWISE NOTED.
2. FOR LEGEND, SEE SHEET 93.

97 / 118	MED-57-17.52	SIGNING AND PAVEMENT MARKING PLAN CR 65 - STA 11+50 TO STA 21+50	CALCULATED MTL CHECKED BER	0 20 10 40 HORIZONTAL SCALE IN FEET

REFERENCE. NO.	SHEET NO.	SIDE	LOCATION	STATION FROM	STATION TO	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625
						CONNECTION, FUSED PULL APART	CONNECTION, UNFUSED PULL APART	CONNECTION, UNFUSED PERMANENT, AS PER PLAN	LIGHT POLE, CONVENTIONAL (DESIGN NO. AT5B35)	LIGHT POLE FOUNDATION, 24" X 6' DEEP	BRACKET ARM	NO. 4 AWG 5000 VOLT DISTRIBUTION CABLE	NO. 10 AWG POLE AND BRACKET CABLE	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 5000 VOLT CABLES	CONDUIT, JACKED OR DRILLED, 3"	LUMINAIRE, CONVENTIONAL (200W, TYPE II)	TRENCH, 24" DEEP	PULL BOX, 725.08, 18", AS PER PLAN	GROUND ROD	POWER SERVICE, AS PER PLAN	PLASTIC CAUTION TAPE
						EACH	EACH	EACH	EACH	EACH	EACH	LIN FT	LIN FT	LIN FT	LIN FT	EACH	LIN FT	EACH	EACH	EACH	LIN FT
1	99	LT	SR 57	936+45		1	1		1	1	1		84			1			1		
2	99	LT	SR 57/SW	963+45 (SR 57)	142+52 (SW)									298			288				288
3	99	LT	SW	142+52		1	1		1	1	1		84			1			1		
4	99	LT	SW	142+52	141+40									171			161				161
5	99	LT	SR 57	939+10		1	1		1	1	1		84			1			1		
6	99	LT	SR 57/SW	939+10 (SR 57)	141+40 (SW)									182			172				172
7	99	LT	SR 57	141+40				2										1			
8	99	LT/RT	SW/SR 57	141+40 (SW)	930+88 (SR 57)							195			55						55
9	99	RT	SR 57	930+88		1	1		1	1	1		84			1			1		
10	99	RT	SR 57/SE	930+88 (SR 57)	151+53 (SE)									181			171				171
11	99	RT	SE	151+53		1	1		1	1	1		84			1			1		
12	99	RT	SE	151+53	153+15									171			161				161
13	99	RT	CR 65	13+95		1	1		1	1	1		84			1			1		
14	99	LT	CR 65/SE	13+95 (CR 65)	153+15 (SE)									162			152				152
15	99	LT	SE	153+15				2										1			
16	99	LT/RT	SE/EL	153+15 (SE)	121+70 (EL)							204			58						58
17	99	LT	EL	121+70		1	1		1	1	1		84			1			1		
18	99	LT	EL/NE	121+70 (EL)	172+40 (NE)									185			175				175
19	99	LT	NW	160+15		1	1		1	1	1		84			1			1		
20	99	LT	NW	160+15	161+79									169			159				159
21	99	LT	NW	161+79		1	1		1	1	1		84			1			1		
22	99	LT	NW/SR 252	161+79 (NW)	50+65 (SR 252)									111			101				101
23	99	LT	SR 252	50+65		1	1		1	1	1		84			1			1		
24	99	LT/RT	SR 252/NE	50+65 (SR 252)	170+83 (NE)							198			56						56
25	99	RT	SR 252	52+20		1	1		1	1	1		84			1			1		
26	99	RT	SR 252/NE	52+20 (SR 252)	170+83 (NE)									156			146				146
27	99	LT	NE	170+83				2										1			
28	99	LT	NE	170+83	172+18									144			134				134
29	99	LT	NE	172+18		1	1		1	1	1		84			1			1		
30	99	LT	NE	172+18	172+36									27			17				17
31	99	LT	NE	172+36				2										1			
32	99	LT	NE	172+36	172+40									30			20				20
33	99	LT	NE	172+40																1	
TOTALS CARRIED TO GENERAL SUMMARY						12	12	8	12	12	12	597	1008	1987	169	12	1857	4	12	1	2026

CALCULATED MTL
CHECKED AMJ

LIGHTING SUBSUMMARY

MED-57-17.52

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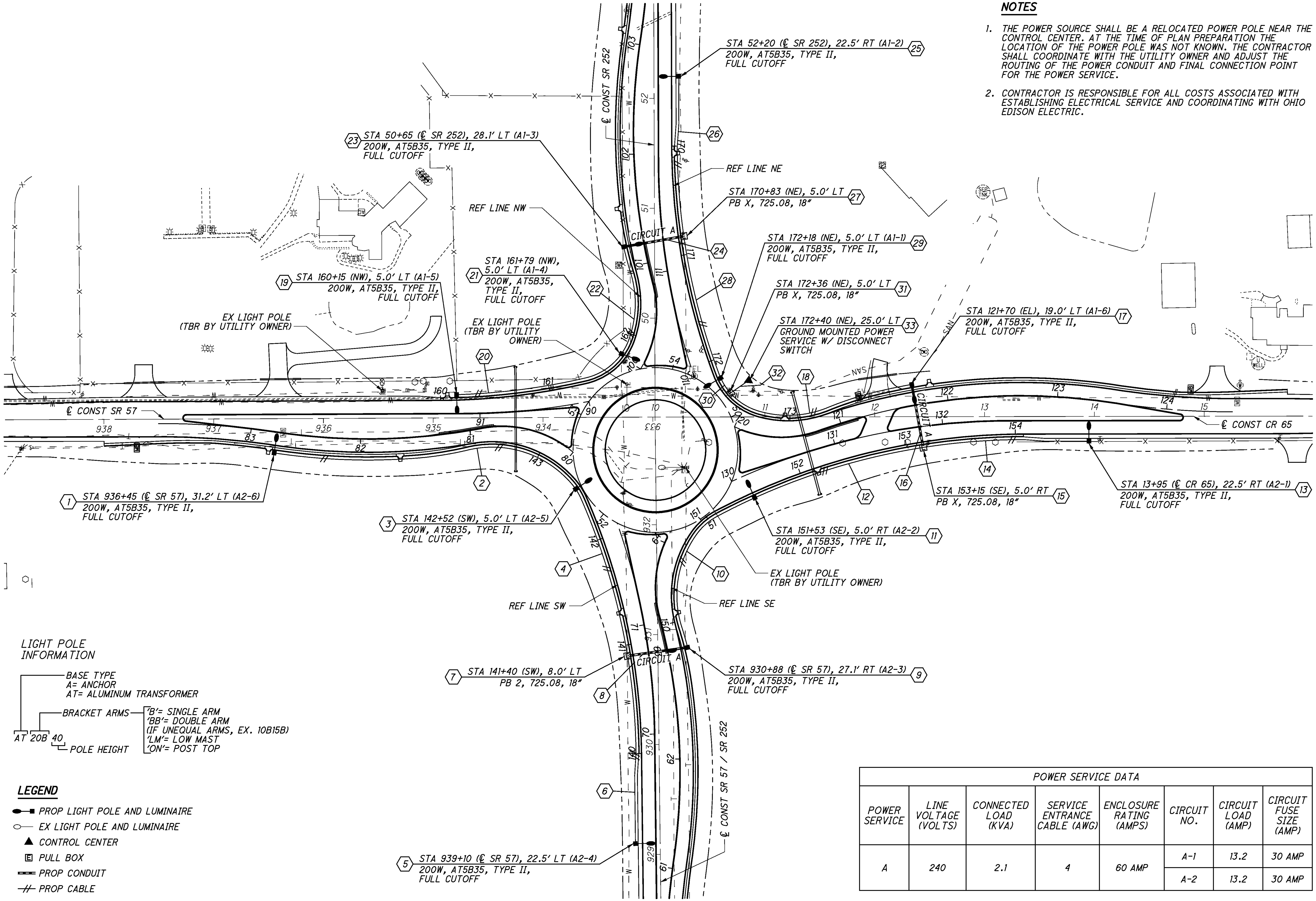
NOTES

1. THE POWER SOURCE SHALL BE A RELOCATED POWER POLE NEAR THE CONTROL CENTER. AT THE TIME OF PLAN PREPARATION THE LOCATION OF THE POWER POLE WAS NOT KNOWN. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNER AND ADJUST THE ROUTING OF THE POWER CONDUIT AND FINAL CONNECTION POINT FOR THE POWER SERVICE.
2. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ESTABLISHING ELECTRICAL SERVICE AND COORDINATING WITH OHIO EDISON ELECTRIC.



LIGHT POLE INFORMATION

AT 20B 40

- BASE TYPE
  - A= ANCHOR
  - AT= ALUMINUM TRANSFORMER
- BRACKET ARMS
  - 'B'= SINGLE ARM
  - 'BB'= DOUBLE ARM (IF UNEQUAL ARMS, EX. 10B15B)
  - 'LM'= LOW MAST
  - 'ON'= POST TOP
- POLE HEIGHT

LEGEND

- PROP LIGHT POLE AND LUMINAIRE
- EX LIGHT POLE AND LUMINAIRE
- ▲ CONTROL CENTER
- PULL BOX
- PROP CONDUIT
- -//- PROP CABLE

POWER SERVICE DATA

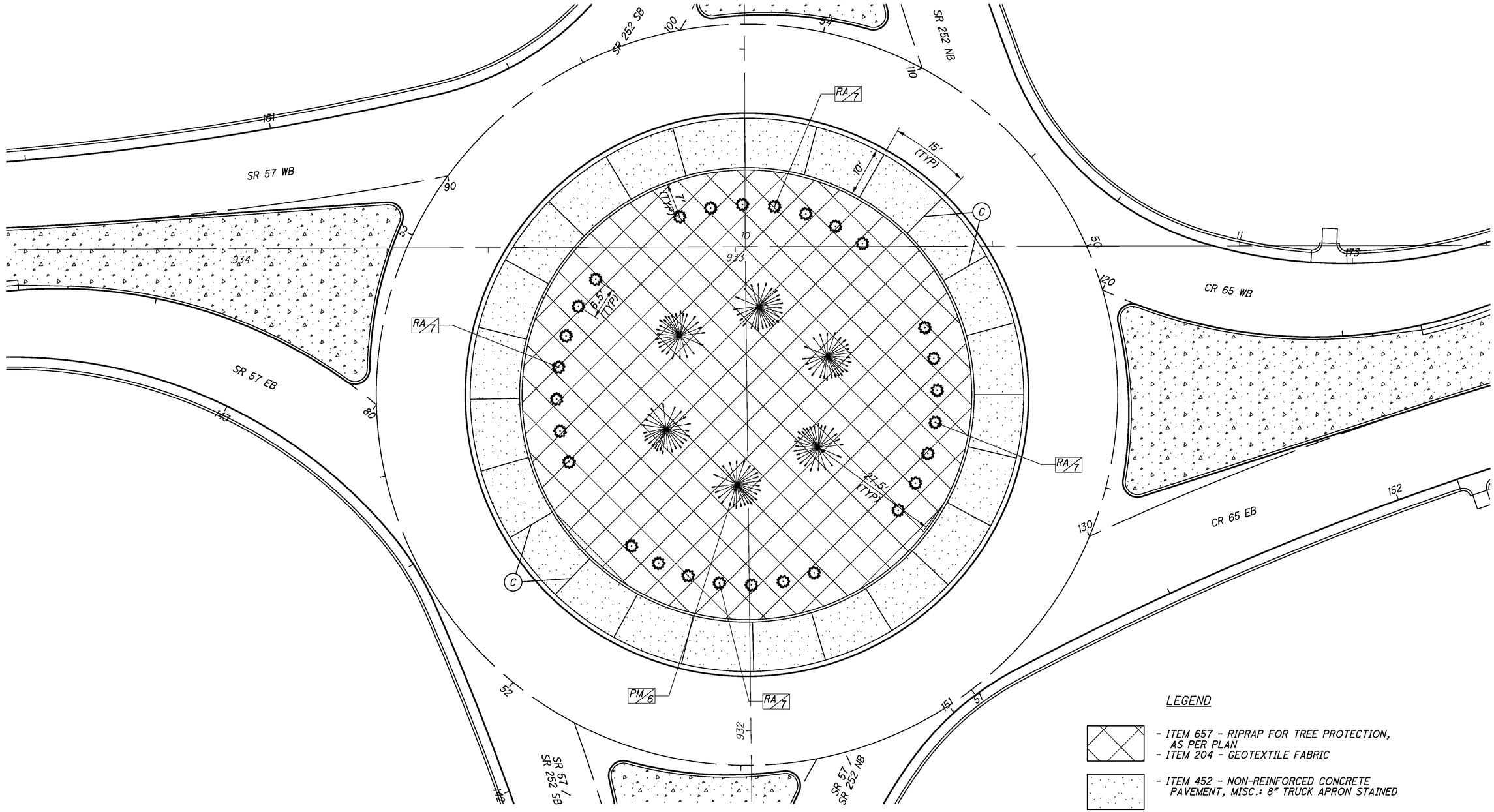
POWER SERVICE	LINE VOLTAGE (VOLTS)	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CABLE (AWG)	ENCLOSURE RATING (AMPS)	CIRCUIT NO.	CIRCUIT LOAD (AMP)	CIRCUIT FUSE SIZE (AMP)
A	240	2.1	4	60 AMP	A-1	13.2	30 AMP
					A-2	13.2	30 AMP

0 20 40 80 HORIZONTAL SCALE IN FEET

CALCULATED AMJ CHECKED MTL

LIGHTING PLAN ROUNDABOUT

MED-57-17.52



PLANTING SCHEDULE						
ITEM	DESCRIPTION	KEY	QTY	BOTANICAL NAME	COMMON NAME	PLANTING SIZE
TREES						
661	EVERGREEN TREE, 2' HEIGHT	PM	6	PINUS MUGO	MUGO PINE	5 GAL
SHRUBS						
661	DECIDUOUS SHRUB, 12" HEIGHT	RA	28	RHUS AROMATICA	FRAGRANT SUMAC	3 GAL
MULCH						
661	MULCH		8 CY	SHREDDED HARDWOOD BARK MULCH	MULCH	

LEGEND

- ITEM 657 - RIPRAP FOR TREE PROTECTION, AS PER PLAN
- ITEM 204 - GEOTEXTILE FABRIC

- ITEM 452 - NON-REINFORCED CONCRETE PAVEMENT, MISC.: 8" TRUCK APRON STAINED

- ITEM 609 - 6" CONCRETE TRAFFIC ISLAND, AS PER PLAN, TOOLED AND STAINED

(C) - CONTRACTION JOINT AS PER BP-2.2

ITEM	DESCRIPTION	QTY
204	GEOTEXTILE FABRIC	723 SY
657	RIPRAP FOR TREE PROTECTION, AS PER PLAN	723 SY

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED MTL
CHECKED FJA

LANDSCAPING PLAN AND PAVEMENT JOINT DETAIL - ROUNDABOUT

MED-57-17.52

100
118

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UTILITY OWNERS

ARMSTRONG CABLE - MEDINA
1141 LAFAYETTE ROAD
MEDINA, OHIO 44256
TELEPHONE - 330-722-3141, EX 224
ATTN: BRIAN KEITH

FRONTIER COMMUNICATIONS
6223 NORWALK ROAD
MEDINA, OHIO 44256
TELEPHONE - 330-722-9586
ATTN: RANDY HOWARD

OHIO EDISON
6326 LAKE AVE.
ELYRIA, OHIO 44035
TELEPHONE - 440-326-3231
ATTN: CHUCK BLAZINE

SUNOCO PIPELINE - LP
525 FRITZTOWN ROAD
SINKING SPRING, PA 19608
TELEPHONE - 610-670-3279
ATTN: BRUCE SWALM

GATHERCO INC.
300 TRACY BRIDGE ROAD
ORRVILLE, OHIO 44667
TELEPHONE - 330-682-4144
ATTN: RALPH KROLL

MEDINA COUNTY
SANITARY ENGINEER
791 WEST SMITH ROAD
MEDINA, OHIO 44256
ATTN: DALE CLARK

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.

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG

CALL
1-800-362-2764
(TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

OIL & GAS PRODUCERS UNDERGROUND
PROTECTION SERVICE CALL: **1-800-925-0988**

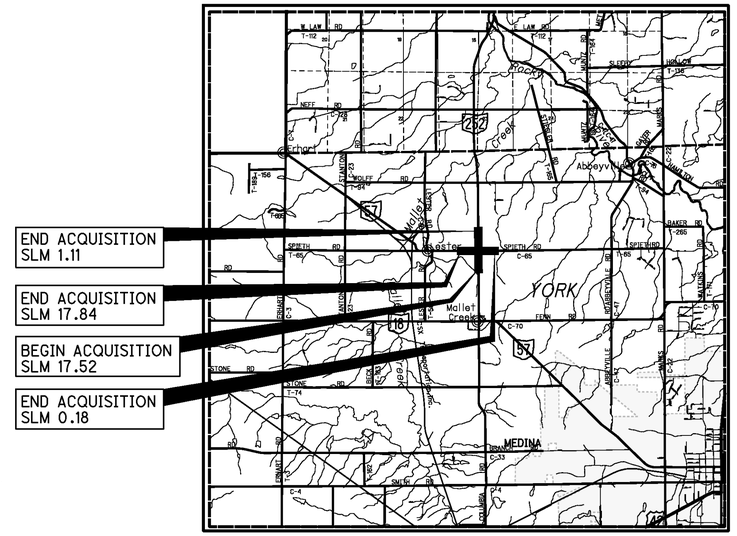
TYPES OF TITLE LEGEND:
WD = WARRANTY DEED
T = TEMPORARY EASEMENT

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

RIGHT OF WAY LEGEND SHEET
MED-57-17.52

MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18



LOCATION MAP

LATITUDE: 41°10'51" LONGITUDE: 81°55'31"

SCALE IN MILES
0 1 2 3 4

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

INDEX OF SHEETS:

PLANS PREPARED BY:

FIRM NAME : AMERICAN STRUCTUREPOINT, INC.
R/W DESIGNER: FRANK J. ARANSKY
R/W REVIEWER: BRIAN P. BINGHAM
FIELD REVIEWER: BRIAN P. BINGHAM
PRELIMINARY FIELD REVIEW DATE: 5/2/2013
TRACINGS FIELD REVIEW DATE: 8/30/2013
OWNERSHIP UPDATED BY: BRIAN P. BINGHAM
DATE COMPLETED: 8/22/2013
PLAN COMPLETION DATE: 8/30/2013

PROJECT CONTROL

STATE PLANE GRID NAD '83 ('95), OHIO (NORTH)
COMBO SCALE & ELEVATION FACTOR = 0.999897585

PROJECT DESCRIPTION

IMPROVEMENT OF THE INTERSECTION OF S.R. 57/S.R. 252 (COLUMBIA ROAD) AND S.R. 57/C.R. 65 (SPEITH ROAD) BY CONSTRUCTING A ROUNDABOUT WITH SINGLE LANE APPROACHES AND DEPARTURES, CURB AND GUTTER, ROADWAY DRAINAGE, LIMITED LIGHTING, AND POSSIBLE UTILITY RELOCATIONS.

CONVENTIONAL SYMBOLS

Fence Line (Ex) —x—x—(Pr)—x—x—
Center Line
Right of Way (Ex) — Ex R/W —
Right of Way (Pr) — R/W —
Temporary Right of Way — TMP —
Utility Ease. (Ex) — Ex U —
Guardrail (Ex) (Pr)
Construction Limits
Edge of Pavement (Ex)
Edge of Pavement (Pr)
Edge of Shoulder (Ex)
Edge of Shoulder (Pr)
Ditch / Creek (Ex)
Ditch / Creek (Pr)

Tree Line (Ex)
Ownership Hook Symbol , Example
Property Line Symbol , Example
Break Line Symbol , Example
Tree (Pr) , Tree (Ex) , Shrub (Ex)
Tree (Remove) , Shrub (Remove)
Evergreen (Ex) , Stump
Evergreen (Remove) , Stump (Remove)
Post (Ex) , Mailbox (Ex) MB , Mailbox (Pr) MB
Light (Ex) , Telephone Marker (Ex) TEL
Fire Hydrant (Ex) , Water Meter (Ex) WM
Water Valve (Ex) , Utility Valve Unknown (Ex.)
Telephone Pole (Ex) , Power Pole (Ex)
Light Pole (Ex)

I, Brian P. Bingham, P. S. have conducted a survey of the existing conditions for the Ohio Department of Transportation in November & December, 2012. The results of that survey are contained herein. The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinates System North Zone on NAD 83 (1995) datum. The Project Coordinates (US Survey Feet) are relative to State Plane Grid Coordinates (US Survey Feet) by a Project Adjustment Factor of 1.000102425. As a part of this project I have reestablished the locations of the existing property lines and the existing centerline of Right of Way for property takes contained herein. As a part of this project I have established the proposed property lines, calculated the Gross Take, present roadway occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein. As a part of this work I have set right of way monuments at the property corners, property line intersection, points along the right of way and/or angle points on the right of way, Section Corners and other points as shown herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as used herein are to mean either myself or someone working under my direct supervision.

Brian P. Bingham, Professional Land Surveyor 8438 Date:

SURVEYORS SEAL

AMERICAN STRUCTUREPOINT INC.
2550 CORPORATE EXCHANGE DR, STE 300
COLUMBUS, OH 43231
TEL 614.901.2235 FAX 614.901.2236
www.structurepoint.com

FEDERAL PROJECT NO. E120(385)
PID NO. 92691
CALCULATED FJA CHECKED BPB
RIGHT OF WAY LEGEND SHEET
MED-57-17.52
1 / 18
101 / 118

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MED-57-17.52

MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18

RECEIVED _____, 20____
RECORDED _____, 20____
BOOK _____ PAGE _____
COUNTY RECORDER

HORIZONTAL SCALE IN FEET
0 100 200 400

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

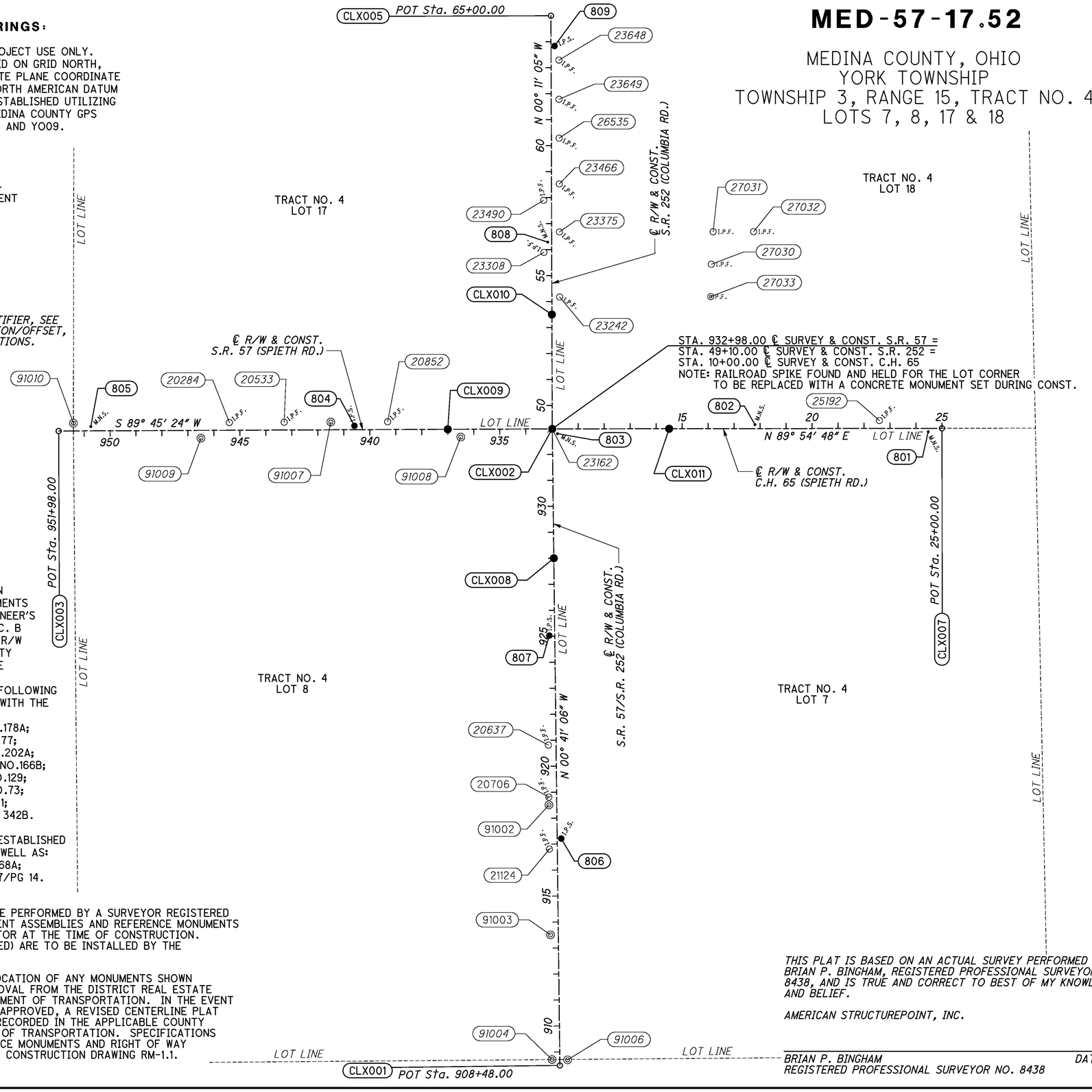
BASIS FOR BEARINGS:

ALL BEARINGS SHOWN ARE FOR PROJECT USE ONLY. BEARINGS SHOWN HEREIN ARE BASED ON GRID NORTH, AS REFERENCED TO THE OHIO STATE PLANE COORDINATE SYSTEM (NORTH ZONE) AND THE NORTH AMERICAN DATUM OF 1983 (1995 ADJUSTMENT), AS ESTABLISHED UTILIZING A GPS SURVEY ORIGINATING ON MEDINA COUNTY GPS CONTROL MONUMENTS YO02, YO08 AND YO09.

MONUMENT LEGEND

- PROPOSED CONCRETE MONUMENT
- RAILROAD SPIKE FOUND
- I.R.F. IRON PIN FOUND
- I.R.F. IRON PIN FOUND W/ ID CAP
- I.R.S. IRON PIN SET W/ ID CAP
- P.F. IRON PIPE FOUND
- CONCRETE MONUMENT FOUND
- M.N.S. "MAG" NAIL SET

(XXXX) *INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.*



NOTE:

THE EXISTING R/W WIDTH AND LOCATION WERE DETERMINED USING RECORD DOCUMENTS ON FILE WITH THE MEDINA COUNTY ENGINEER'S AND RECORDER'S OFFICES; S.H. 314, SEC. B (1943) PLANS; A LIST OF COUNTY ROAD R/W WIDTHS PROVIDED BY THE MEDINA COUNTY ENGINEER'S OFFICE; AND FROM EVIDENCE COLLECTED IN THE FIELD.
SURVEYS USED ARE ON RECORD IN THE FOLLOWING SURVEY BOOKS/SURVEY NOS., ON FILE WITH THE MEDINA COUNTY ENGINEER'S OFFICE:
BK 6/NO.222A; BK 7/NO.149B; BK 8/NO.178A; BK 8/NO.178B; BK 9/NO.179B; BK 11/NO.77; BK 17/NO.35B; BK 18/NO.31B; BK 20/NO.202A; BK 25/NO.153A; BK 27/NO.166A; BK 27/NO.166B; BK 27/NO.168; BK 30/NO.127; BK 30/NO.129; BK 30/NO.130; BK 31/NO.285; BK 39/NO.73; BK 39/NO.173; BK 40/NO.3; BK 41/NO.21; BK 41/NO.53; BK Y/NO.339B; BK Y/NO. 342B.

LOT LINES AND PROPERTY LINES WERE ESTABLISHED USING THE ABOVE LISTED SURVEYS, AS WELL AS: BK A/NO.39; BK A/NO.184B; BK A/NO.268A; INDEX PG 11A; INDEX PG 11B; TAX BK 1827/PG 14.

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.

CHANGES OR ALTERATIONS TO THE LOCATION OF ANY MONUMENTS SHOWN IN THIS TABLE, REQUIRE PRIOR APPROVAL FROM THE DISTRICT REAL ESTATE ADMINISTRATOR OF THE OHIO DEPARTMENT OF TRANSPORTATION. IN THE EVENT THAT CHANGES OR ALTERATIONS ARE APPROVED, A REVISED CENTERLINE PLAT WITH THE NEW LOCATIONS SHALL BE RECORDED IN THE APPLICABLE COUNTY RECORDS AND THE OHIO DEPARTMENT OF TRANSPORTATION. SPECIFICATIONS FOR MONUMENT ASSEMBLIES, REFERENCE MONUMENTS AND RIGHT OF WAY MONUMENTS ARE SHOWN ON STANDARD CONSTRUCTION DRAWING RM-1.1.

THIS PLAT IS BASED ON AN ACTUAL SURVEY PERFORMED BY BRIAN P. BINGHAM, REGISTERED PROFESSIONAL SURVEYOR NO. 8438, AND IS TRUE AND CORRECT TO BEST OF MY KNOWLEDGE AND BELIEF.

AMERICAN STRUCTUREPOINT, INC.

BRIAN P. BINGHAM *DATE*
REGISTERED PROFESSIONAL SURVEYOR NO. 8438

SURVEYORS SEAL

CENTERLINE PLAT

MED-57-17.52

2 / 18

102 / 118

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MED-57-17.67

PID: 92691

PROJECT GROUND COORDINATES - US SURVEY FEET

PROJECT COORDINATES (FEET) ARE RELATIVE TO STATE PLANE GRID COORDINATES (METERS)

BY A PROJECT ADJUSTMENT FACTOR (PAF) MULTIPLIER OF : 3.281169372

	C/L OF RIGHT OF WAY			PLAN S.H. 314 SEC. B (1943) USED FOR ALIGNMENT			
NAME	STATION	OFFSET (ft)	RT/LT	NORTH (ft)	EAST (ft)	ELEVATION (ft)	FEATURE
803	932+79.37	20.15	RT	552201.246	2126973.763	968.44	MAGS
804	940+59.36	14.97	RT	552231.363	2126191.972	970.38	IPINS
805	950+74.07	16.43	RT	552228.519	2125177.263	963.82	MAGS
806	917+21.09	15.68	RT	550643.018	2126987.925	976.46	IPINS
807	925+02.73	20.99	LT	551424.165	2126941.910	976.45	IPINS
808	56+28.76*	15.15*	LT	552938.341	2126935.923	967.42	MAGS
809	63+83.47*	13.35*	RT	553693.135	2126961.993	954.17	IPINS
801	24+47.018**	13.10**	RT	552208.717	2128400.426	971.33	MAGS
802	17+80.17**	15.22**	LT	552236.032	2127733.536	973.70	MAGS
BM #YO02				546186.175	2125276.670	1011.04	BM
TBM #83						977.42	TBM
TBM #80						971.99	TBM
TBM#81						970.38	TBM
TBM #82						969.70	TBM
TBM #84						957.93	TBM

PROJECT CONTROL POINTS

	DESCRIPTION
803	MAG NAIL SET
804	5/8" REBAR SET WITH YELLOW STRUCTUREPOINT CONTOL CAP
805	MAG NAIL SET
806	5/8" REBAR SET WITH YELLOW STRUCTUREPOINT CONTOL CAP
807	5/8" REBAR SET WITH YELLOW STRUCTUREPOINT CONTOL CAP
808	MAG NAIL SET
809	5/8" REBAR SET WITH YELLOW STRUCTUREPOINT CONTOL CAP
801	MAG NAIL SET
802	MAG NAIL SET
BM #YO02	3.5" BRNZ DISK (YO02), IN ASPH. PARKING AREA, S. SIDE YORK CEMETARY
TBM #83	"X" ON E. BOLT OF FIRE HYD, W. SIDE COLUMBIA RD., IN FRONT OF RES. #3560
TBM #80	"X" ON S. BOLT OF FIRE HYD, N. SIDE OF C.R. 65, IN FRONT OF RES. #6413
TBM#81	"X" ON SSW BOLT OF FIRE HYD, NE CORNER OF COLUMBIA RD. & SPIETH RD.
TBM #82	"X" ON SW BOLT OF FIRE HYD, N. SIDE OF S.R. 57, AT SW PROP CORNER OF RES. #6731
TBM #84	"X" ON SE BOLT OF FIRE HYD, W. SIDE S.R. 252, AT NE PROP. CORNER OF RES. #3300

STATE PLANE GRID COORDINATES

HORIZ. DATUM - NAD83(95), OHIO NORTH ZONE (3401) FROM TIES TO MEDINA CO. GPS CNTRL

VERTICAL DATUM NAVD 88: TBM #83 ELEVATION EST. FROM LEVEL CIRCUIT ORG. ON YO02

ALL OTHER ELEVATIONS ESTABLISHED FROM LEVELING FROM TBM #83

	NORTH (m)	EAST (m)	ORTHO HT (m)	NORTH (US FT)	EAST (US FT)
803	168294.039	648236.504	295.18	552144.693	2126755.930
804	168303.217	647998.238	295.77	552174.806	2125974.219
805	168302.351	647688.986	293.77	552171.963	2124959.614
806	167819.139	648240.820	297.63	550586.624	2126770.091
807	168057.208	648226.796	297.62	551367.691	2126724.080
808	168518.683	648224.972	294.87	552881.712	2126718.094
809	168748.721	648232.917	290.83	553636.429	2126744.161
801	168296.316	648671.307	296.06	552152.163	2128182.447
802	168304.641	648468.060	296.78	552179.475	2127515.625
BM #YO02	166460.829	647719.282	308.17	546130.238	2125059.011
TBM #83			297.92		
TBM #80			296.26		
TBM#81			295.77		
TBM #82			295.57		
TBM #84			291.98		

MONUMENTS TO BE SET DURING CONSTRUCTION

ITEM 623E38500	ITEM 623E40500
MONUMENT ASSEMBLY	REFERENCE MONUMENT

EXISTING MONUMENTATION CENTERLINE OF RIGHT OF WAY STATE ROUTE 57

NAME	STATION	OFFSET (ft)	RT/LT	NORTH (ft)	EAST (ft)	ELEVATION (ft)	FEATURE
91006	908+69.14	29.88	RT	549791.300	2127012.307	0.00	CMON
91004	908+71.15	30.02	LT	549792.599	2126952.388	0.00	CMON
91003	913+50.99	29.98	LT	550272.403	2126946.694	0.00	CMON
91002	918+51.07	30.02	LT	550772.441	2126940.667	0.00	CMON
91008	936+50.19	29.83	LT	552188.307	2126601.332	0.00	CMON
91007	941+50.30	30.01	RT	552246.022	2126100.974	0.00	CMON
91009	946+50.42	29.91	LT	552183.979	2125601.107	0.00	CMON
91010	951+41.04	29.91	RT	552241.716	2125110.241	0.00	CMON

EXISTING CENTERLINE CONTROL POINTS

	DESCRIPTION
91006	CONCRETE RIGHT-OF-WAY MONUMENT (DISTURBED)
91004	CONCRETE RIGHT-OF-WAY MONUMENT
91003	CONCRETE RIGHT-OF-WAY MONUMENT
91002	CONCRETE RIGHT-OF-WAY MONUMENT
91008	CONCRETE RIGHT-OF-WAY MONUMENT (DISTURBED, BROKEN)
91007	CONCRETE RIGHT-OF-WAY MONUMENT
91009	CONCRETE RIGHT-OF-WAY MONUMENT
91010	CONCRETE RIGHT-OF-WAY MONUMENT

HORZ. DATUM - NAD83(95), OHIO NORTH ZONE

NAME	NORTH (m)	EAST (m)	ORTHO HT (m)	NORTH (US FT)	EAST (US FT)
91006	167559.561	648248.251	0.00	549734.993	2126794.470
91004	167559.957	648229.990	0.00	549736.292	2126734.557
91003	167706.187	648228.254	0.00	550216.047	2126728.864
91002	167858.583	648226.417	0.00	550716.034	2126722.838
91008	168290.095	648122.998	0.00	552131.755	2126383.537
91007	168307.685	647970.505	0.00	552189.464	2125883.231
91009	168288.776	647818.160	0.00	552127.427	2125383.415
91010	168306.373	647668.560	0.00	552185.158	2124892.599

CENTERLINE OF RIGHT OF WAY & CONSTRUCTION

NAME	STATION	OFFSET (ft)	RT/LT	NORTH (ft)	EAST (ft)	ELEVATION (ft)	FEATURE
CLX001	908+48.00	0.00	-	549769.806	2126982.682	0.00	CALPT
CLX008	928+00.00	0.00	-	551721.667	2126959.345	0.00	CALPT
CLX002	932+98.00	0.00	-	552219.631	2126953.391	0.00	CALPT
CLX009	937+00.00	0.00	-	552217.924	2126551.395	0.00	CALPT
CLX003	951+98.00	0.00	-	552211.561	2125053.408	0.00	CALPT
CLX010	53+50.00*	0.00*	-	552659.629	2126951.973	0.00	CALPT
CLX005	65+00.00*	0.00*	-	553809.623	2126948.268	0.00	CALPT
CLX011	14+50.00**	0.00**	-	552220.311	2127403.390	0.00	CALPT
CLX007	25+00.00**	0.00**	-	552221.897	2128453.389	0.00	CALPT

CENTERLINE ALIGNMENT

	DESCRIPTION
CLX001	POT
CLX008	POT - CONCRETE MONUMENT SET
CLX002	PI - CONCRETE MONUMENT SET
CLX009	POT - CONCRETE MONUMENT SET
CLX003	POT
CLX010	POT - CONCRETE MONUMENT SET
CLX005	POT
CLX011	POT - CONCRETE MONUMENT SET
CLX007	POT

HORZ. DATUM - NAD83(95), OHIO NORTH ZONE

NAME	NORTH (m)	EAST (m)	ORTHO HT (m)	NORTH (US FT)	EAST (US FT)		
CLX001	167553.010	648239.222	0.00	549713.502	2126764.848		
CLX008	168147.878	648232.110	0.00	551665.163	2126741.514		1
CLX002	168299.642	648230.295	0.00	552163.076	2126735.560		1
CLX009	168299.122	648107.779	0.00	552161.369	2126333.605		1
CLX003	168297.183	647651.239	0.00	552155.007	2124835.772		
CLX010	168433.740	648229.863	0.00	552603.029	2126734.142		1
CLX005	168784.223	648228.734	0.00	553752.905	2126730.438		
CLX011	168299.849	648367.441	0.00	552163.756	2127185.513		1
CLX007	168300.333	648687.449	0.00	552165.342	2128235.405		
TOTAL MONUMENTS - QUANTITY CARRIED TO GENERAL SUMMARY ITEM 623						0	5

PROJECT ADJUSTMENT FACTOR BASED ON: Inverse of the scale factor, as determined by Trimble Business Center for the final and accepted position of control point YO02

UNITLESS FACTOR =	1.000102425	State Plane Grid to Project Ground (same units)
PROJECT ADJ. FACTOR =	3.281169372	State Plane Grid (meters) to Project Ground (US Survey Feet)
ENG./METRIC CONV.=	3.28083333	US SURVEY FOOT TO METERS CONVERSION FACTOR

PROJECT Coordinates are Scaled From GRID Coordinates About The OHIO NORTH ZONE Grid Point N=0,E=0.

Control point horizontal positions were established by averaging multiple RTK derived GNSS observations. Elevations were derived through conventional leveling originating on Medina County benchmark YO02.

PROJECT GROUND COORDINATES - US SURVEY FEET

PROJECT COORDINATES (US SURVEY FEET) ARE RELATIVE TO STATE PLANE GRID COORDINATES (METERS)

BY A PROJECT ADJUSTMENT FACTOR (PAF) MULTIPLIER OF : 3.281169372

	C/L OF RIGHT OF WAY			PLAN S.H. 314 SEC. B (1943) USED FOR ALIGNMENT			
NAME	STATION	OFFSET (ft)	RT/LT	NORTH (ft)	EAST (ft)	ELEVATION (ft)	FEATURE
21124	916+81.05	30.26	LT	550802.438	2126942.465	0.00	IPID
20706	918+81.03	30.00	LT	550802.404	2126940.334	0.00	IPID
20637	920+81.07	29.77	LT	551002.427	2126938.168	0.00	IPIN
23162	932+98.00	0.00	-	552219.631	2126953.391	0.00	RSPK
20852	939+31.60	30.11	RT	552247.053	2126319.667	0.00	IPIN
20533	943+29.92	30.00	RT	552245.252	2125921.357	0.00	IPIN
20284	945+40.78	29.84	RT	552244.195	2125710.494	0.00	IPIN
27033	54+17.20#	611.40#	RT	552728.796	2127563.149	0.00	IPIPE
23242	54+17.66#	29.96#	RT	552727.389	2126981.713	0.00	IPIN
27030	55+41.83#	614.39#	RT	552853.436	2127565.743	0.00	IPIN
23308	55+89.49#	30.07#	LT	552899.024	2126921.128	0.00	IPIN
27031	56+66.58#	621.53#	RT	552978.209	2127572.475	0.00	IPIN
23375	56+67.76#	30.12#	RT	552977.487	2126981.065	0.00	IPIN
23490	57+89.86#	30.27#	LT	553099.392	2126920.288	0.00	IPIN
23466	58+52.75#	30.11#	RT	553162.476	2126980.461	0.00	IPIN
26535	60+28.80#	29.94#	RT	553338.518	2126979.730	0.00	IPIN
23649	61+78.46#	30.00#	RT	553488.180	2126979.304	0.00	IPIN
23648	63+29.27#	30.06#	RT	553638.987	2126978.874	0.00	IPIN
27032	17+76.06##	757.87##	LT	552978.667	2127728.309	0.00	IPIN
25192	22+59.25##	30.31##	LT	552251.838	2128212.593	0.00	IPIN

EXISTING RIGHT-OF-WAY AND BOUNDARY MONUMENTS

	DESCRIPTION
21124	5/8" IRON PIN FOUND WITH A CAP STAMPTED "CORNERSTONE SURVEYING"
20706	5/8" IRON PIN FOUND WITH A CAP STAMPTED "CORNERSTONE SURVEYING"
20637	1/2" IRON PIN FOUND WITH NO CAP
23162	RAILROAD SPIKE FOUND
20852	5/8" IRON PIN FOUND WITH NO CAP
20533	5/8" IRON PIN FOUND WITH NO CAP
20284	5/8" IRON PIN FOUND WITH NO CAP
27033	3/4" IRON PIPE FOUND WITH NO CAP
23242	5/8" IRON PIN FOUND WITH NO CAP
27030	5/8" IRON PIN FOUND WITH NO CAP
23308	5/8" IRON PIN FOUND WITH NO CAP
27031	5/8" IRON PIN FOUND WITH NO CAP
23375	5/8" IRON PIN FOUND WITH NO CAP
23490	5/8" IRON PIN FOUND WITH NO CAP
23466	5/8" IRON PIN FOUND WITH NO CAP
26535	5/8" IRON PIN FOUND BENT WITH NO CAP
23649	5/8" IRON PIN FOUND WITH NO CAP
23648	5/8" IRON PIN FOUND WITH NO CAP
27032	5/8" IRON PIN FOUND WITH NO CAP
25192	5/8" IRON PIN FOUND WITH NO CAP

STATE PLANE GRID COORDINATES

HORIZ. DATUM - NAD83(95), OHIO NORTH ZONE (3401) FROM TIES TO MEDINA CO. GPS CNTRL

	NORTH (m)	EAST (m)	ORTHO HT (m)	NORTH (US FT)	EAST (US FT)
21124	167806.771	648226.965	0.00	550546.048	2126724.635
20706	167867.715	648226.316	0.00	550745.994	2126722.505
20637	167928.676	648225.656	0.00	550945.996	2126720.339
23162	168299.642	648230.295	0.00	552163.076	2126735.560
20852	168307.999	648037.156	0.00	552190.495	2126101.901
20533	168307.451	647915.763	0.00	552188.694	2125703.632
20284	168307.128	647851.498	0.00	552187.637	2125492.791
27033	168454.820	648416.131	0.00	552672.189	2127345.256
23242	168454.391	648238.927	0.00	552670.782	2126763.879
27030	168492.806	648416.921	0.00	552796.816	2127347.850
23308	168506.700	648220.462	0.00	552842.399	2126703.301
27031	168530.833	648418.973	0.00	552921.576	2127354.581
23375	168530.613	648238.729	0.00	552920.854	2126763.231
23490	168567.766	648220.206	0.00	553042.747	2126702.461
23466	168586.992	648238.545	0.00	553105.824	2126762.628
26535	168640.645	648238.323	0.00	553281.848	2126761.897
23649	168686.257	648238.193	0.00	553431.495	2126761.471
23648	168732.218	648238.062	0.00	553582.286	2126761.041
27032	168530.973	648466.467	0.00	552922.034	2127510.399
25192	168309.458	648614.061	0.00	552195.279	2127994.633

SURVEYORS SEAL

PID NO. 92691

R/W DESIGNER FJA

R/W REVIEWER BPB

PLAT

CENTERLINE PLAT

MED-57-17.52

PROJECT GROUND COORDINATES - US SURVEY FEET								PROPOSED RIGHT OF WAY MONUMENTS	STATE PLANE GRID COORDINATES						MONUMENTS TO BE RESET AFTER CONSTRUCTION	
PROJECT COORDINATES (US SURVEY FEET) ARE RELATIVE TO STATE PLANE GRID COORDINATES (METERS) BY A PROJECT ADJUSTMENT FACTOR (PAF) MULTIPLIER OF :					3.281169372				HORIZ. DATUM - NAD83(95), OHIO NORTH ZONE (3401) FROM TIES TO MEDINA CO. GPS CNTRL						ITEM 623E40520	ITEM 623
	C/L OF RIGHT OF WAY			PLAN S.H. 314 SEC. B (1943) USED FOR ALIGNMENT											RIGHT OF WAY	BOUNDARY
NAME	STATION	OFFSET (ft)	RT/LT	NORTH (ft)	EAST (ft)	ELEVATION (ft)	FEATURE	DESCRIPTION	NAME	NORTH (m)	EAST (m)	ORTHO HT (m)	NORTH (US FT)	EAST (US FT)	PIN (TYPE "B")	PIN (TYPE "B")
RW010	924+95.00	0.00	-	551416.688	2126962.991	0.00	MAGS	MAG NAIL SET	RW010	168054.930	648233.221	0.00	551360.215	2126745.159		
RW011	924+95.00	30.00	LT	551416.330	2126932.994	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW011	168054.821	648224.079	0.00	551359.857	2126715.165		
RW012	924+95.00	30.00	RT	551417.047	2126992.989	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW012	168055.039	648242.364	0.00	551360.574	2126775.154		
RW013	925+50.00	40.00	LT	551471.206	2126922.337	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW013	168071.545	648220.831	0.00	551414.727	2126704.510		
RW014	925+50.00	40.00	RT	551472.163	2127002.331	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW014	168071.837	648245.211	0.00	551415.684	2126784.495		
RW015	930+00.00	60.00	RT	551922.370	2127016.950	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW015	168209.046	648249.666	0.00	551865.845	2126799.113		
RW016	931+10.00	60.00	LT	552030.927	2126895.643	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW016	168242.131	648212.695	0.00	551974.391	2126677.818		
RW017	931+70.00	60.00	RT	552092.357	2127014.917	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW017	168260.853	648249.046	0.00	552035.815	2126797.080		
RW018	933+67.92	75.07	RT	552294.405	2126883.150	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW018	168322.431	648208.888	0.00	552237.842	2126665.327		
RW019	934+25.00	70.00	LT	552149.092	2126826.689	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW019	168278.144	648191.680	0.00	552092.544	2126608.871		
RW020	934+80.00	50.00	RT	552268.857	2126771.180	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW020	168314.645	648174.763	0.00	552212.297	2126553.368		
RW021	938+66.92	45.00	LT	552172.215	2126384.667	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW021	168285.191	648056.966	0.00	552115.665	2126166.895		
RW022	938+66.92	0.00	-	552217.215	2126384.476	0.00	MAGS	MAG NAIL SET	RW022	168298.906	648056.907	0.00	552160.660	2126166.704		
RW023	939+31.60	0.00	-	552216.940	2126319.797	0.00	MAGS	MAG NAIL SET	RW023	168298.822	648037.195	0.00	552160.385	2126102.031		
RW024	939+31.73	45.00	RT	552261.939	2126319.479	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW024	168312.536	648037.098	0.00	552205.379	2126101.713		
RW025	940+75.00	45.00	RT	552261.330	2126176.207	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW025	168312.351	647993.433	0.00	552204.770	2125958.456		
RW026	940+75.62	0.00	-	552216.328	2126175.778	0.00	MAGS	MAG NAIL SET	RW026	168298.635	647993.303	0.00	552159.773	2125958.027		
RW027	940+75.62	45.00	LT	552171.329	2126175.969	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW027	168284.921	647993.361	0.00	552114.779	2125958.218		
RW028	941+80.00	30.00	LT	552185.885	2126071.526	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW028	168289.357	647961.530	0.00	552129.333	2125853.786		
RW029	941+80.00	30.00	RT	552245.885	2126071.272	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW029	168307.644	647961.452	0.00	552189.327	2125853.532		
RW030	941+80.00	0.00	-	552215.885	2126071.399	0.00	MAGS	MAG NAIL SET	RW030	168298.500	647961.491	0.00	552159.330	2125853.659		
RW031	51+00.00*	55.00*	RT	552409.807	2127007.779	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW031	168357.602	648246.871	0.00	552353.232	2126789.943		
RW032	51+50.00*	70.00*	LT	552459.404	2126882.618	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW032	168372.718	648208.726	0.00	552402.824	2126664.795		
RW033	52+92.62*	55.00*	RT	552602.427	2127007.158	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW033	168416.307	648246.682	0.00	552545.833	2126789.322	1	
RW034	52+92.71*	0.00*	-	552602.342	2126952.158	0.00	IPINS	MAG NAIL SET	RW034	168416.281	648229.919	0.00	552545.748	2126734.327		
RW035	54+17.63*	48.72*	RT	552727.415	2127000.471	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW035	168454.399	648244.644	0.00	552670.808	2126782.636		
RW036	54+17.71*	0.00*	-	552727.341	2126951.755	0.00	MAGS	MAG NAIL SET	RW036	168454.377	648229.797	0.00	552670.734	2126733.924		
RW037	55+42.71*	0.00*	-	552852.341	2126951.352	0.00	MAGS	MAG NAIL SET	RW037	168492.473	648229.674	0.00	552795.721	2126733.522		
RW038	55+42.64*	42.43*	RT	552852.405	2126993.783	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW038	168492.492	648242.605	0.00	552795.785	2126775.948		
RW039	55+89.91*	0.00*	-	552899.535	2126951.200	0.00	MAGS	MAG NAIL SET	RW039	168506.856	648229.627	0.00	552842.910	2126733.370		
RW040	55+89.86*	42.50*	LT	552899.355	2126908.698	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW040	168506.801	648216.674	0.00	552842.730	2126690.872		
RW041	56+67.65*	36.15*	RT	552977.395	2126987.096	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW041	168530.585	648240.568	0.00	552920.762	2126769.262		
RW042	56+67.71*	0.00*	-	552977.340	2126950.950	0.00	MAGS	MAG NAIL SET	RW042	168530.569	648229.551	0.00	552920.707	2126733.120		
RW043	57+89.91*	0.00*	-	553099.534	2126950.556	0.00	MAGS	MAG NAIL SET	RW043	168567.810	648229.431	0.00	553042.889	2126732.726		
RW044	57+89.91*	30.00*	RT	553099.630	2126980.556	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW044	168567.839	648238.574	0.00	553042.985	2126762.723		
RW045	10+95.00**	50.00**	LT	552269.774	2127048.316	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW045	168314.924	648259.225	0.00	552213.214	2126830.476		
RW046	12+50.00**	60.00**	RT	552160.009	2127203.481	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW046	168281.471	648306.515	0.00	552103.460	2126985.625		
RW047	13+41.49**	50.00**	LT	552270.147	2127294.810	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW047	168315.038	648334.349	0.00	552213.587	2127076.944		
RW048	13+41.58**	0.00**	-	552220.147	2127294.971	0.00	IPINS	MAG NAIL SET	RW048	168299.799	648334.398	0.00	552163.592	2127077.105		
RW049	14+00.00**	50.00**	LT	552270.235	2127353.315	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW049	168315.065	648352.180	0.00	552213.675	2127135.443		
RW050	14+40.00**	40.00**	LT	552260.296	2127393.331	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW050	168312.036	648364.375	0.00	552203.737	2127175.455		
RW051	16+33.75**	40.00**	LT	552260.588	2127587.077	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW051	168312.125	648423.423	0.00	552204.029	2127369.181		
RW052	16+34.53**	0.00**	-	552220.589	2127587.920	0.00	MAGS	MAG NAIL SET	RW052	168299.934	648423.680	0.00	552164.034	2127370.024		
RW053	17+90.78**	0.00**	-	552220.825	2127744.170	0.00	MAGS	MAG NAIL SET	RW053	168300.006	648471.300	0.00	552164.270	2127526.258		
RW054	17+90.00**	40.00**	LT	552260.824	2127743.327	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW054	168312.196	648471.044	0.00	552204.265	2127525.415		
RW055	18+30.00**	40.00**	LT	552260.885	2127783.329	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW055	168312.215	648483.235	0.00	552204.326	2127565.413		
RW056	19+46.44**	30.00**	LT	552251.061	2127899.788	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW056	168309.221	648518.728	0.00	552194.503	2127681.860		
RW057	19+47.03**	0.00**	-	552221.061	2127900.420	0.00	MAGS	MAG NAIL SET	RW057	168300.078	648518.921	0.00	552164.506	2127682.492		
RW058	19+47.03**	30.00**	RT	552191.062	2127900.466	0.00	IPINS	3/4" x 30" REBAR WITH A 2 INCH DIAMETER ALUMINUM CAP STAMPED "ODOT RW - PS 8438"	RW058	168290.935	648518.935	0.00	552134.510	2127682.538		
									SUBTOTAL MONUMENTS - QUANTITY CARRIED TO CENTERLINE PLAT						1	0

SURVEYORS SEAL

STATION AND OFFSET VALUES ARE REFERENCED TO THE CENTERLINE OF RIGHT-OF-WAY AND CONSTRUCTION FOR S.R. 57, UNLESS AS DESIGNATED BELOW:
* -STATION AND OFFSET VALUES ARE REFERENCED TO THE CENTERLINE OF RIGHT-OF-WAY AND CONSTRUCTION FOR S.R. 252
** -STATION AND OFFSET VALUES ARE REFERENCED TO THE CENTERLINE OF RIGHT-OF-WAY AND CONSTRUCTION FOR C.H. 65

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PID NO.
92691

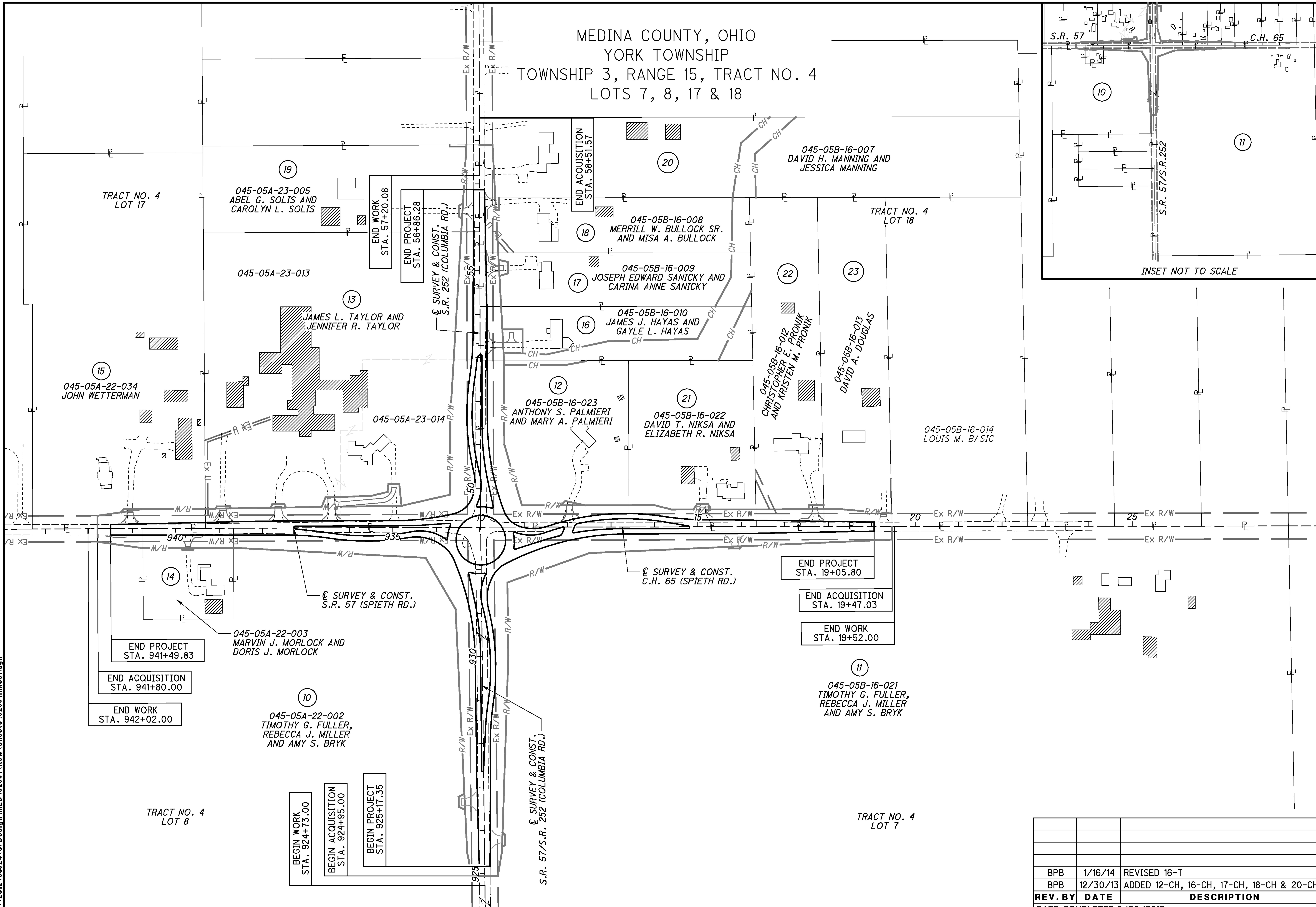
R/W DESIGNER
FJA

R/W REVIEWER
BPB

CENTERLINE PLAT

MED-57-17.52

4/18



MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18
TRACT NO. 4
LOT 17
19
045-05A-23-005
ABEL G. SOLIS AND
CAROLYN L. SOLIS
END WORK
STA. 57+20.08
END PROJECT
STA. 56+86.28
℄ SURVEY & CONST.
S.R. 252 (COLUMBIA RD.)
END ACQUISITION
STA. 58+51.57
20
045-05B-16-007
DAVID H. MANNING AND
JESSICA MANNING
18
045-05B-16-008
MERRILL W. BULLOCK SR.
AND MISA A. BULLOCK
TRACT NO. 4
LOT 18
045-05A-23-013
17
045-05B-16-009
JOSEPH EDWARD SANICKY AND
CARINA ANNE SANICKY
22
23
13
JAMES L. TAYLOR AND
JENNIFER R. TAYLOR
16
045-05B-16-010
JAMES J. HAYAS AND
GAYLE L. HAYAS
045-05B-16-012
CHRISTOPHER E. PRONIK
AND KRISTEN M. PRONIK
045-05B-16-013
DAVID A. DOUGLAS
15
045-05A-22-034
JOHN WETTERMAN
12
045-05B-16-023
ANTHONY S. PALMIERI
AND MARY A. PALMIERI
21
045-05B-16-022
DAVID T. NIKSA AND
ELIZABETH R. NIKSA
045-05A-23-014
045-05B-16-014
LOUIS M. BASIC
14
℄ SURVEY & CONST.
S.R. 57 (SPIETH RD.)
℄ SURVEY & CONST.
C.H. 65 (SPIETH RD.)
END PROJECT
STA. 19+05.80
END ACQUISITION
STA. 19+47.03
END WORK
STA. 19+52.00
END PROJECT
STA. 941+49.83
045-05A-22-003
MARVIN J. MORLOCK AND
DORIS J. MORLOCK
END ACQUISITION
STA. 941+80.00
END WORK
STA. 942+02.00
11
045-05B-16-021
TIMOTHY G. FULLER,
REBECCA J. MILLER
AND AMY S. BRYK
10
045-05A-22-002
TIMOTHY G. FULLER,
REBECCA J. MILLER
AND AMY S. BRYK
℄ SURVEY & CONST.
S.R. 57/S.R. 252 (COLUMBIA RD.)
TRACT NO. 4
LOT 8
BEGIN WORK
STA. 924+73.00
BEGIN ACQUISITION
STA. 924+95.00
BEGIN PROJECT
STA. 925+17.35
TRACT NO. 4
LOT 7
S.R. 57
C.H. 65
S.R. 57/S.R.252
INSET NOT TO SCALE
mlong
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REV. BY	DATE	DESCRIPTION
BPB	1/16/14	REVISED 16-T
BPB	12/30/13	ADDED 12-CH, 16-CH, 17-CH, 18-CH & 20-CH

DATE COMPLETED 8/30/2013

HORIZONTAL SCALE IN FEET 0 50 100 200

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

PROPERTY MAP

MED-57-17.52

5/18

TOTAL NUMBER OF :

14 OWNERSHIPS
35 PARCELS
0 TOTAL TAKES
0 OWNERSHIPS W/ STRUCTURES INVOLVED

NET TAKE = GROSS TAKE - PRO IN TAKE
NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

ALL AREAS IN ACRES

GRANTEE:
ALL RIGHT OF WAY ACQUIRED IN THE NAME OF STATE OF OHIO
UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS	AS ACQUIRED BOOK	AS ACQUIRED PAGE
													STATE			
10-WD1	TIMOTHY G. FULLER, REBECCA J. MILLER	8,9,10,11	2008OR000920	045-05A-22-002	26.1800	1.3378	1.7295	0.9243	0.8052	NO				10 TREES*+, CONC. SQUARE*+		
	AND AMY S. BRYK		(JAN 14, 2008)													
10-WD2		12					0.0899	0.0719	0.0180	NO						
	10-WD TOTAL				**26.1800**	**1.3377**	**1.8194**	**0.9962**	**0.8232**		**24.0191**					
10-T		9					0.0095	0.0000	0.0095	NO				CONSTRUCT A FIELD DRIVE		
11-WD	TIMOTHY G. FULLER, REBECCA J. MILLER	8,9,10	2008OR000920	045-05B-16-021	102.0000	2.9288	2.0985	1.1844	0.9141	NO		98.1571		19 TREES*+, OLD FENCE POSTS*+		
	AND AMY S. BRYK	15,16	(JAN 14, 2008)													
11-T1		8					0.0038	0.0000	0.0038	NO				CONSTRUCT A FIELD DRIVE		
11-T2		15					0.0027	0.0000	0.0027	NO				CONSTRUCT A FIELD DRIVE		
12-WD	ANTHONY S. PALMIERI AND	10,13,15	2002OR026817	045-05B-16-023	3.0000	0.4782	0.8766	0.4782	0.3984	NO		2.1234		22 TREES+, MULTIPLE PINES+, 8 TREES*+, FOOT BRIDGE*+		
	MARY A. PALMIERI		(JULY 9, 2002)											LANDSCAPING*+		
12-CH		13,17					0.0385	0.0000	0.0385	NO						
12-T		15					0.0063	0.0000	0.0063	NO				CONSTRUCT A DRIVEWAY		
														2 SHRUBS+, LANDSCAPING+		
13-WD	JAMES L. TAYLOR AND	10,11,13	O.R. 609, PG 609	045-05A-23-013	7.2425	0.4166	0.6821	0.4166	0.2655	NO (S2)		6.5604		630.3' OF FENCE+, 624.5' OF FENCE*+, 1 SIGN+, 1 SIGN*+		
	JENNIFER R. TAYLOR		(APRIL 26, 1991)	045-05A-23-014	2.6675	0.4674	0.9250	0.4674	0.4576	NO		1.7425		2 BRICK COLUMNS+, 9 TREES+, 5 SHRUBS+		
	13-WD TOTAL		O.R. 996, PG 837		**9.9100**	**0.8840**	**1.6071**	**0.8840**	**0.7231**			**8.3029**				
			(DEC 15, 2004)													
13-T1		10,11		045-05A-23-013			0.0202	0.0000	0.0202	NO				CONSTRUCT A DRIVEWAY		
				045-05A-23-014			0.0952	0.0000	0.0952	NO				2 TREES+		
	13-T1 TOTAL						**0.1154**	**0.0000**	**0.1154**							
13-T2		11		045-05A-23-013			0.0059	0.0000	0.0059	NO				CONSTRUCT A DRIVEWAY		
13-T3		11		045-05A-23-013			0.0037	0.0000	0.0037	NO				CONSTRUCT A DRIVEWAY		
14-WD	MARVIN J. MORLOCK AND	11,12	D.B. 352, PG 187	045-05A-22-003	1.0000	0.1437	0.2156	0.1437	0.0719	NO	0.7844			2 TREES+, 1 SHRUB+, CONC. SQUARE*+, ROCK+		
	DORIS J. MORLOCK		(JULY 22, 1967)													
14-T		11					0.0032	0.0000	0.0032	NO				CONSTRUCT A DRIVEWAY		
15-WD	JOHN WETTERMAN	11,12	2008OR009046	045-05A-22-034	8.0000	0.2744	0.2385	0.1710	0.0675	NO		7.6581		214' OF HEDGE ROW+, 214' OF FENCE+, 2 TREES+		
			(APRIL 24, 2008)													
15-T		12					0.0037	0.0000	0.0037	NO				CONSTRUCT A DRIVEWAY		
													STATE			

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: ALL TEMPORARY PARCELS TO BE OF 12 MONTH DURATION.

TYPES OF TITLE LEGEND:
WD = WARRANTY DEED
CH = CHANNEL EASEMENT
T = TEMPORARY EASEMENT

(c) = CALCULATED AREA

* DENOTES RIGHT OF WAY ENCROACHMENT

+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

REV. BY	DATE	DESCRIPTION
BPB	12/30/13	UPDATED TOTAL NUMBER OF PARCELS
BPB	12/30/13	CHANGED 12-T1 TO 12-CH & 12-T2 TO 12-T

FIELD REVIEW BY BPB DATE: 8/30/2013
OWNERSHIP VERIFIED BY BPB DATE: 8/22/2013
DATE COMPLETED 8/30/2013

FEDERAL PROJECT NO. E120(385)
PID NO. 92691
STATE JOB NO. 438313
R/W DESIGNER FJA
R/W REVIEWER BPB

SUMMARY OF ADDITIONAL RIGHT OF WAY

MED-57-17.52

NET TAKE = GROSS TAKE - PRO IN TAKE
NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

ALL AREAS IN ACRES

GRANTEE:
ALL RIGHT OF WAY ACQUIRED IN THE NAME OF STATE OF OHIO
UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS	AS ACQUIRED BOOK	AS ACQUIRED PAGE
													STATE			
16-WD	JAMES J. HAYAS AND	13	D.B. 453, PG 852	045-05B-16-010	1.7980	0.0861	0.1488	0.0861	0.0627	NO		1.6492				
	GAYLE L. HAYAS		(MAR 19, 1974)													
16-CH		13, 17					0.5460	0.0000	0.5460	NO				UNDERDRAINS+ (PARTIAL)		
16-T		13					0.0565	0.0000	0.0565	NO				CONSTRUCT A DRIVEWAY		
17-WD	JOSEPH EDWARD SANICKY AND	13	O.R. 493, PG 56	045-05B-16-009	1.7920	0.0861	0.1308	0.0861	0.0447	NO		1.6612				
	CARINA ANNE SANICKY		(MAY 26, 1989)													
17-CH		17					0.1519	0.0000	0.1519	NO				5 TREES+		
17-T		13					0.0150	0.0000	0.0150	NO				CONSTRUCT A DRIVEWAY		
18-WD	MERRILL W. BULLOCK SR. AND	13,14	2003OR039580	045-05B-16-008	1.7850	0.0861	0.1128	0.0861	0.0267	NO		1.6722		1 TREE+		
	MISA A. BULLOCK		(JULY 30, 2003)													
18-CH		17-18					0.1179	0.0000	0.1179	NO				7 TREES+, 1 SHRUB+		
18-T		14					0.0052	0.0000	0.0052	NO				CONSTRUCT A DRIVEWAY		
19-WD	ABEL G. SOLIS AND	13,14	2012OR029967	045-05A-23-005	2.9229	0.1377	0.1664	0.1377	0.0287	NO	2.7565			2 TREES+, 2 POSTS*+		
	CAROLYN L. SOLIS		(NOV 28, 2012)													
19-T		14					0.0058	0.0000	0.0058	NO				CONSTRUCT A DRIVEWAY		
20-WD	DAVID H. MANNING AND	14	D.B. 454, PG 991	045-05B-16-007	5.2840	0.1274	0.0928	0.0842	0.0086	NO		5.1480				
	JESSICA MANNING		(APRIL 25, 1974)													
20-CH		18					0.2127	0.0000	0.2127	NO						
21-WD	DAVID T. NIKSA AND	15,16	2003OR053282	045-05B-16-022	2.5420	0.2016	0.2867	0.2016	0.0851	NO	2.2553					
	ELIZABETH R. NIKSA		(OCT 7, 2003)													
21-T		15					0.0091	0.0000	0.0091	NO				CONSTRUCT A DRIVEWAY		
22-WD	CHRISTOPHER E. PRONIK	16	2013OR003295	045-05B-16-012	2.7170	0.1076	0.1435	0.1076	0.0359	NO	2.5735					
	AND KRISTEN M. PRONIK		(FEB 6, 2013)													
22-T		16					0.0080	0.0000	0.0080	NO				CONSTRUCT A DRIVEWAY		
23-WD	DAVID A. DOUGLAS	16	2004OR026441	045-05B-16-013	2.7170	0.1076	0.1301	0.1076	0.0225	NO	2.5869					
			(JUNE 28, 2004)										STATE			

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: ALL TEMPORARY PARCELS TO BE OF 12 MONTH DURATION.

TYPES OF TITLE LEGEND:
WD = WARRANTY DEED
CH = CHANNEL EASEMENT
T = TEMPORARY EASEMENT

(c) = CALCULATED AREA

* DENOTES RIGHT OF WAY ENCROACHMENT

+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

REV. BY	DATE	DESCRIPTION
BPB	1/16/14	REVISED 16-T
BPB	12/30/13	CHANGED 17-T2 TO 17-CH, 17-T1 TO 17-T, 18-T2 TO 18-CH, 18-T1 TO 18-T & 20-T TO 20-CH
BPB	12/30/13	ADDED 16-CH, REVISED 16-T

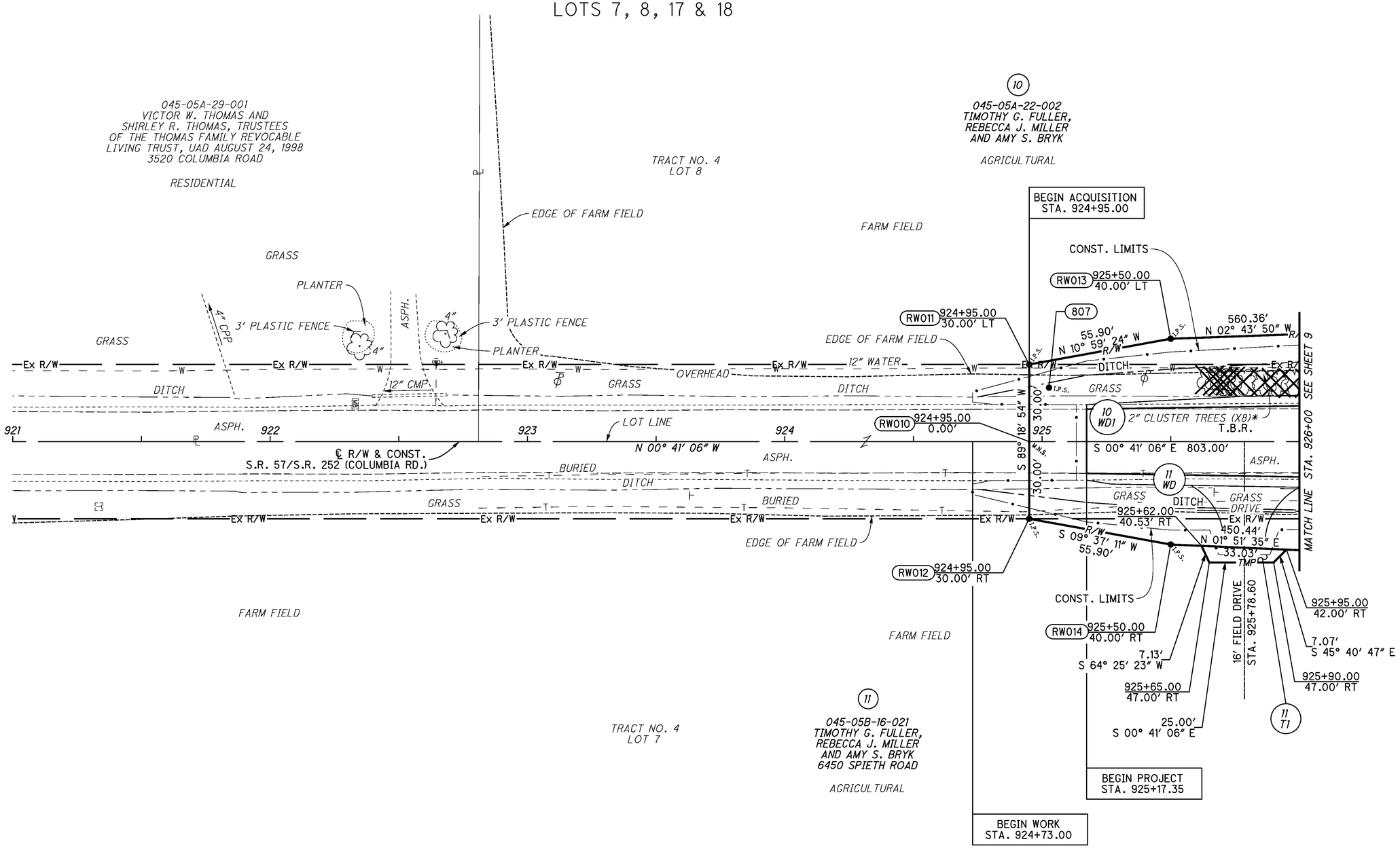
FIELD REVIEW BY BPB DATE: 8/30/2013
OWNERSHIP VERIFIED BY BPB DATE: 8/22/2013
DATE COMPLETED 8/30/2013

FEDERAL PROJECT NO. E120(385)
PID NO. 92691
STATE JOB NO. 438313
R/W DESIGNER FJA
R/W REVIEWER BPB

SUMMARY OF ADDITIONAL RIGHT OF WAY

MED-57-17.52

MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18



STATION AND OFFSET VALUES ARE REFERENCED TO THE CENTERLINE OF RIGHT-OF-WAY AND CONSTRUCTION FOR S.R. 57

(XXXX) INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 8/30/2013

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

RIGHT-OF-WAY PLAN - S.R. 57
STA. 921+00 TO STA. 926+00

MED-57-17.52

8 / 18

108 / 118

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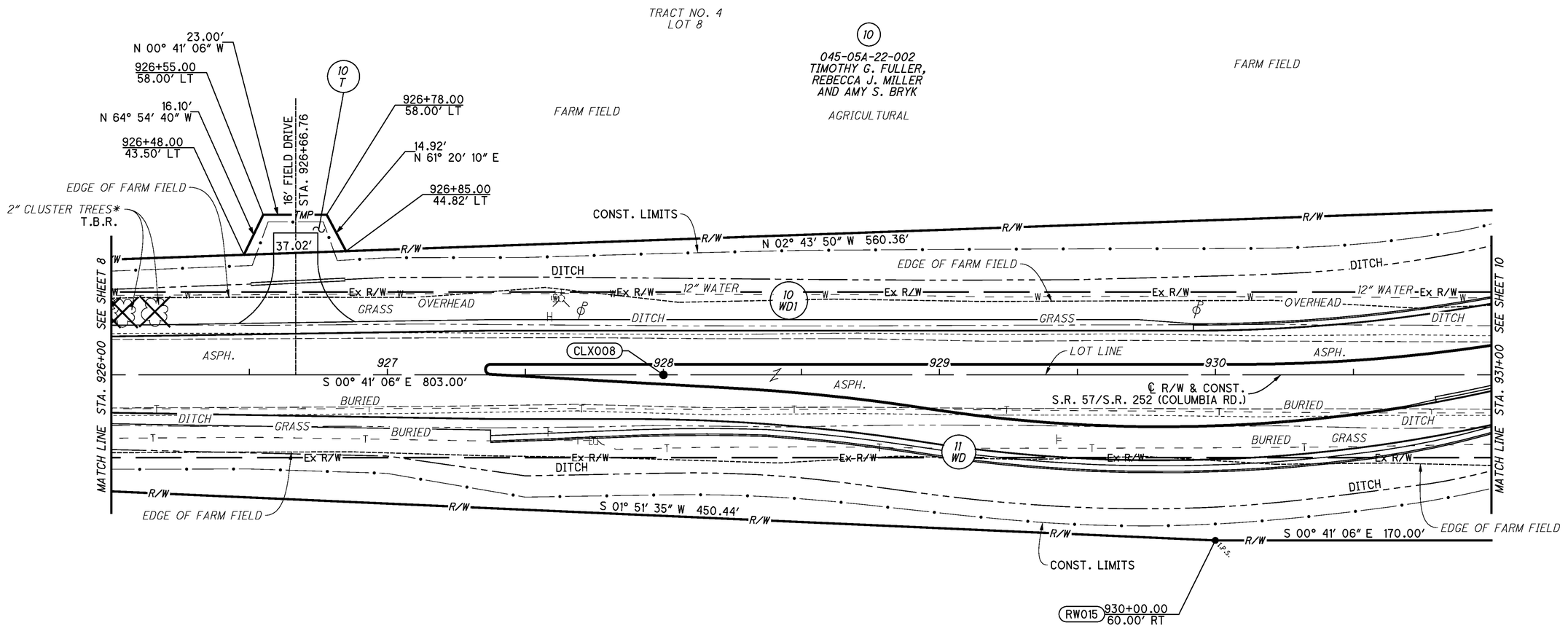
MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18



STATION AND OFFSET VALUES ARE REFERENCED TO THE CENTERLINE OF RIGHT-OF-WAY AND CONSTRUCTION FOR S.R. 57

(XXXX) INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 8/30/2013

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

RIGHT-OF-WAY PLAN - S.R. 57
STA. 926+00 TO STA. 931+00

MED-57-17.52

9 / 18

109
118

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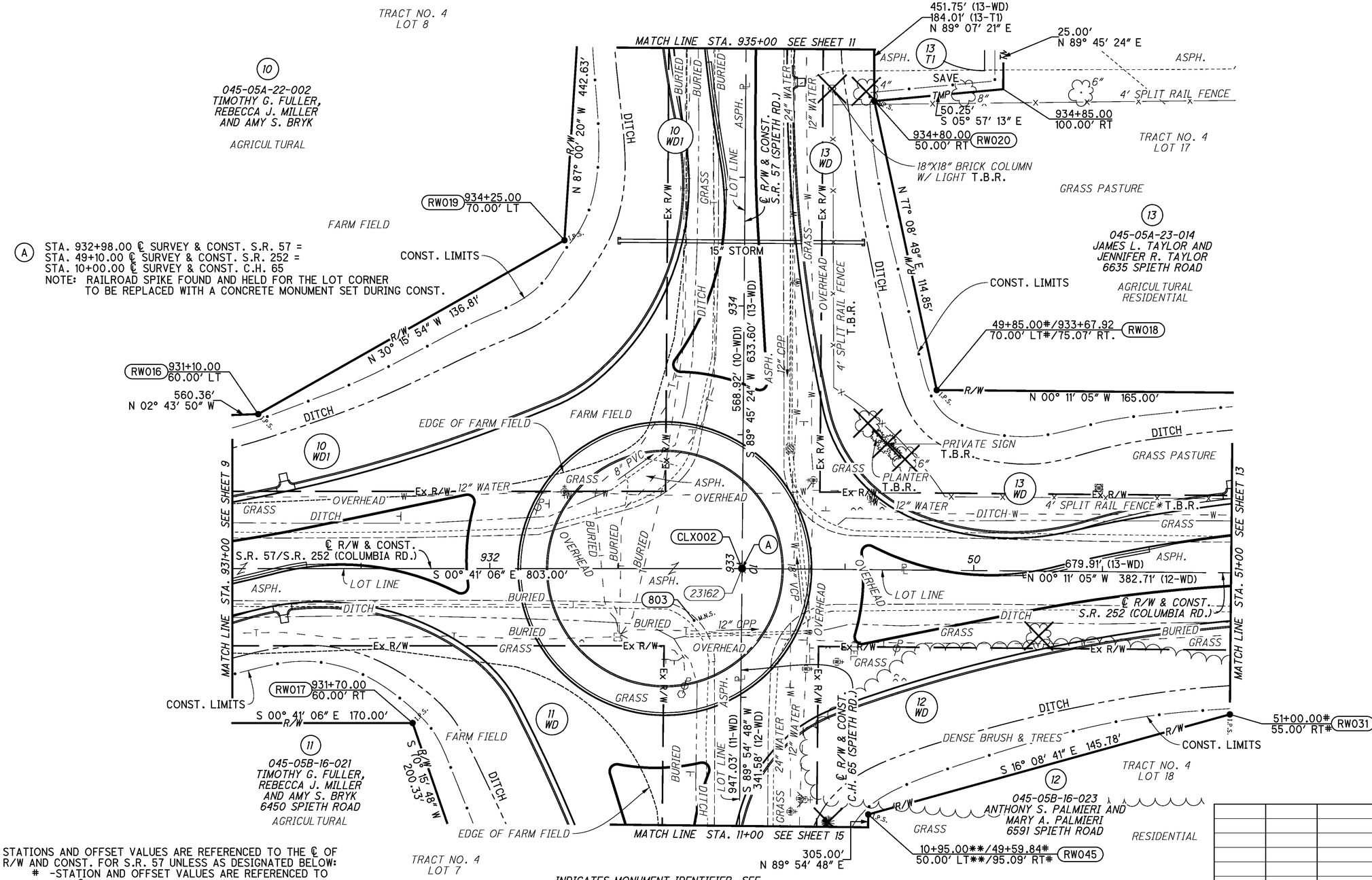
MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18



STATIONS AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR S.R. 57 UNLESS AS DESIGNATED BELOW:
\# -STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR S.R. 252
** -STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR C.H. 65

(XXXX) INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 8/30/2013

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

RIGHT-OF-WAY PLAN - S.R. 57
STA. 931+00 TO STA. 935+00

MED-57-17.52

10 / 18

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MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18

XXXX INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.

NOTE: SEE SHEET 18 FOR LEAD-IN COURSES TO PARCELS 14-WD AND 15-WD

NORTH

DETAIL "A"
NOT TO SCALE

RW023 — ℄ R/W & CONST. S.R. 57 (SPIETH RD)
45.00' (30.11' M.N.S.)
0.08' — Ex R/W
20852 — 14.89' — R/W — RW024

TRACT NO. 4
LOT 8

10
045-05A-22-002
TIMOTHY G. FULLER, REBECCA J. MILLER AND AMY S. BRYK
AGRICULTURAL

FARM FIELD

EDGE OF FARM FIELD

FARM FIELD

14
045-05A-22-003
MARVIN J. MORLOCK AND DORIS J. MORLOCK
6670 SPIETH ROAD
RESIDENTIAL

1-STY ALUM. BARN — CONC. — GRASS — STONE — 14" 30" 12"

2" 30" WOOD POST — STONE — PROPANE TANK — SEPTIC

S 00° 14' 36" E

2-STY VINYL RES. — OVERHEAD — GRASS — 25.00' S 89° 45' 24" W — 939+85.00 50.00' LT — 5.83' N 31° 12' 55" W — 939+88.00 45.00' LT

42" 4" PORCH — CONC. — 14 T — 939+60.00 50.00' LT — 5.39' S 21° 33' 37" W — CONST. LIMITS

GRASS — OVERHEAD — 38.6' — 18" (DEAD) — 40" — 22" — STONE — MP 30.00'

RW021 938+66.92 45.00' LT

R/W — CONST. LIMITS — DITCH — N 87° 00' 20" W 442.63' — R/W — DITCH — R/W

EDGE OF FARM FIELD — 91008 — 10 WD1 — Ex R/W — BURIED — DITCH — GRASS — BURIED — ASPH. — 936 — 937 — CLX009 — 568.92' (10-WD1) — 633.60' (13-WD) — ℄ R/W & CONST. S.R. 57 (SPIETH RD.) — N 89° 45' 24" E — 938

CONC. — T.B.R. — 14 WD — Ex R/W — GRASS — BURIED — DITCH — 939+58.00 45.00' LT — OVERHEAD — GRASS — 939+31.60 0.00' — RW023 — 208.70' (14-WD) — 248.40' (15-WD) — 12" STONE DRIVE — STA. 939+72.04 — 12" DRIVE PIPE

RW022 938+66.92 0.00' — 4' SPLIT RAIL FENCE* — T.B.R. — 939 — 12" DRIVE PIPE — 12" CPP — 24" WATER — 12" WATER — OVERHEAD — 4' SPLIT RAIL FENCE* — T.B.R. — Ex R/W — 20852 — SEE DETAIL "A" — 15 WD — 939+08.00 45.26' RT

STA. 935+00 — SEE SHEET 10 — MATCH LINE — BURIED — CCTV — 4' SPLIT RAIL FENCE T.B.R. — Ex R/W — HORSE POST T.B.R. — DITCH — 13 WD — 16' CONC. DRIVE — STA. 936+38.85 — 12" DRIVE PIPE — 12" CPP — 24" WATER — 12" WATER — BURIED — 4' SPLIT RAIL FENCE T.B.R. — Ex R/W — OVERHEAD — GRASS — 16' CONC. DRIVE — STA. 397+63.47 — 13 WD — DITCH — 16' STONE DRIVE — STA. 398+90.99 — MATCH LINE — STA. 940+00 — SEE SHEET 12

18"X18" BRICK COLUMN T.B.R. W/ LIGHT — 4" R/W — 2" — 184.01' (13-T1) — R/W — S 89° 07' 21" W 451.75' (13-WD) — 4" — R/W — 936+64.00 47.96' RT — 937+46.00 47.06' RT — 936+55.00 70.00' RT — 937+50.00 55.00' RT — 937+82.00 46.66' RT — 937+77.00 55.00' RT — 938+75.00 50.63' RT — 939+05.00 50.30' RT — 939+31.73 45.00' RT — RW024 — 4" — 20" — S 89° 45' 24" W 143.27' — HEDGE ROW T.B.R.

ASPH. — GRASS — 935+50.00 73.00' RT — 10' ASPH. DRIVE — 28" — 28" — 13 T1 — CONC. — TMP — 23.80' N 21° 58' 27" E — PLANTER PLASTIC SIGN — 8.89' S 26° 58' 06" E — 27.00' N 89° 45' 24" E — 36.00' — TMP — 9.73' N 30° 41' 51" E — 13 T2 — CONST. LIMITS — 938+73.00 45.65' RT — 5.37' S 22° 08' 10" E — 13 T3 — 30.00' N 89° 07' 21" E — 5.86' N 30° 32' 57" E — Ex U — N 00° 24' 18" W — ELEC. LINE EASEMENT OHIO EDISON COMPANY (NO WIDTH GIVEN) O.R. 664, PG 336 — WOOD BARN

935+12.00 82.00' RT — 18.11' N 06° 05' 49" E — 25.00' N 89° 45' 24" E — 935+10.00 100.00' RT — TMP — CONST. LIMITS — 39.05' N 76° 25' 56" E — N 88° 07' 12" E 105.04' — 95.3' — 4" PVC — 4P — 4" PVC — 4" PVC — 30" — 13 — 045-05A-23-014 JAMES L. TAYLOR AND JENNIFER R. TAYLOR 6635 SPIETH ROAD AGRICULTURAL RESIDENTIAL — POND — GRASS — 1" CLUSTER — CONC. — 045-05A-22-002 JAMES L. TAYLOR AND JENNIFER R. TAYLOR 6635 SPIETH ROAD AGRICULTURAL COMMERCIAL — 4" SPLIT RAIL FENCE — 4" SPLIT RAIL FENCE — GRASS — 15 — 045-05A-22-034 JOHN WETTERMAN 6691 SPIETH ROAD RESIDENTIAL AGRICULTURAL

ASPH. — 4" PVC — 2" — CONC. WALK — BRICK WALL — PLANTER — GRASS — 2" CLUSTER — CANOPY — CONC. WALK — 24" — PLANTER — CONC. WALK — 2-STY STUCCO RES. — PLANTER — BRICK — AC — CONC. — 4" TRIP. — BRICK WALL — GRASS — CONC. WALK — PLANTER — PLANTER — GRASS — TRACT NO. 4 LOT 17 — GRASS — 30" — 2" — 10" — 10"

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 8/30/2013

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HORIZONTAL SCALE IN FEET: 0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

RIGHT-OF-WAY PLAN - S.R. 57
STA. 935+00 TO STA. 940+00

MED-57-17.52

11 / 18

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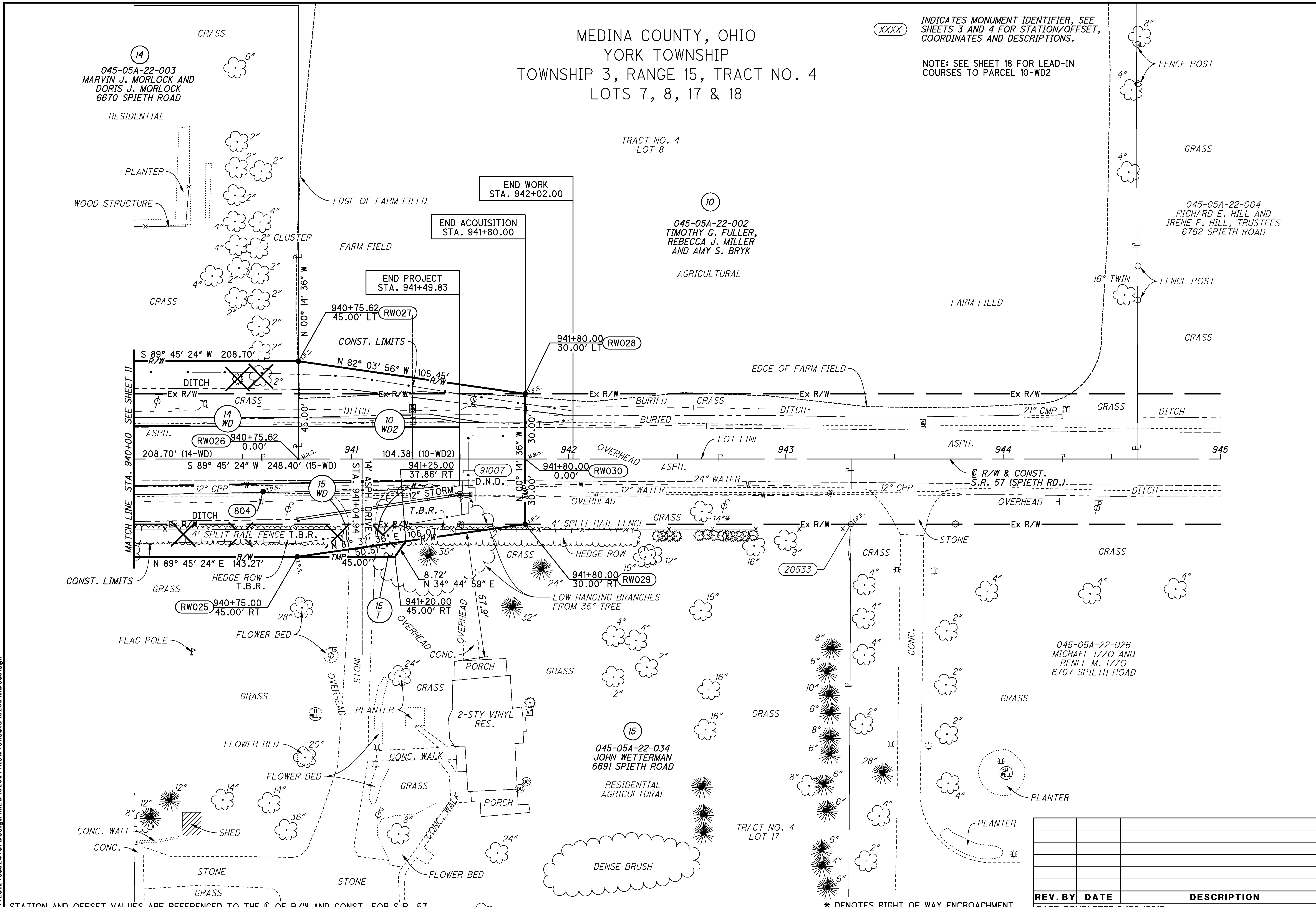

MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18
(XXXX) INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.
NOTE: SEE SHEET 18 FOR LEAD-IN COURSES TO PARCEL 10-WD2
14
045-05A-22-003
MARVIN J. MORLOCK AND
DORIS J. MORLOCK
6670 SPIETH ROAD
RESIDENTIAL
TRACT NO. 4
LOT 8
10
045-05A-22-002
TIMOTHY G. FULLER,
REBECCA J. MILLER
AND AMY S. BRYK
AGRICULTURAL
045-05A-22-004
RICHARD E. HILL AND
IRENE F. HILL, TRUSTEES
6762 SPIETH ROAD
END WORK
STA. 942+02.00
END ACQUISITION
STA. 941+80.00
END PROJECT
STA. 941+49.83
PLANTER
WOOD STRUCTURE
EDGE OF FARM FIELD
FARM FIELD
FENCE POST
16″ TWIN
2″ CLUSTER
N 00° 14′ 36″ W
940+75.62
45.00′ LT
RW027
CONST. LIMITS
941+80.00
30.00′ LT
RW028
S 89° 45′ 24″ W 208.70′
N 82° 03′ 56″ W 105.45′
R/W
DITCH
Ex R/W
BURIED
21″ CMP
14 WD
10 WD2
RW026
940+75.62
0.00′
208.70′ (14-WD)
S 89° 45′ 24″ W 248.40′ (15-WD)
104.38′ (10-WD2)
941+25.00
37.86′ RT
91007
D.N.D.
941+80.00
0.00′
RW030
OVERHEAD
LOT LINE
ASPH.
941
942
943
944
945
℄ R/W & CONST.
S.R. 57 (SPIETH RD.)
24″ WATER
12″ WATER
12″ CPP
12″ STORM
T.B.R.
15 WD
804
14′ ASPH. DRIVE
STA. 941+04.94
4′ SPLIT RAIL FENCE T.B.R.
4′ SPLIT RAIL FENCE
HEDGE ROW
N 81° 37′ 36″ E 106.07′
50.51′
45.00′
TMP
N 89° 45′ 24″ E 143.27′
MATCH LINE STA. 940+00 SEE SHEET 11
CONST. LIMITS
HEDGE ROW
T.B.R.
RW025
940+75.00
45.00′ RT
8.72′
N 34° 44′ 59″ E
941+20.00
45.00′ RT
941+80.00
30.00′ RT
RW029
LOW HANGING BRANCHES
FROM 36″ TREE
20533
STONE
15 T
57.9′
FLAG POLE
FLOWER BED
CONC.
PORCH
2-STY VINYL RES.
PLANTER
CONC. WALK
CONC. WALL
SHED
DENSE BRUSH
15
045-05A-22-034
JOHN WETTERMAN
6691 SPIETH ROAD
RESIDENTIAL
AGRICULTURAL
TRACT NO. 4
LOT 17
045-05A-22-026
MICHAEL IZZO AND
RENEE M. IZZO
6707 SPIETH ROAD
GRASS
WELL
STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR S.R. 57
* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION
DATE COMPLETED 8/30/2013		

HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

RIGHT-OF-WAY PLAN - S.R. 57
STA. 940+00 TO STA. 945+00

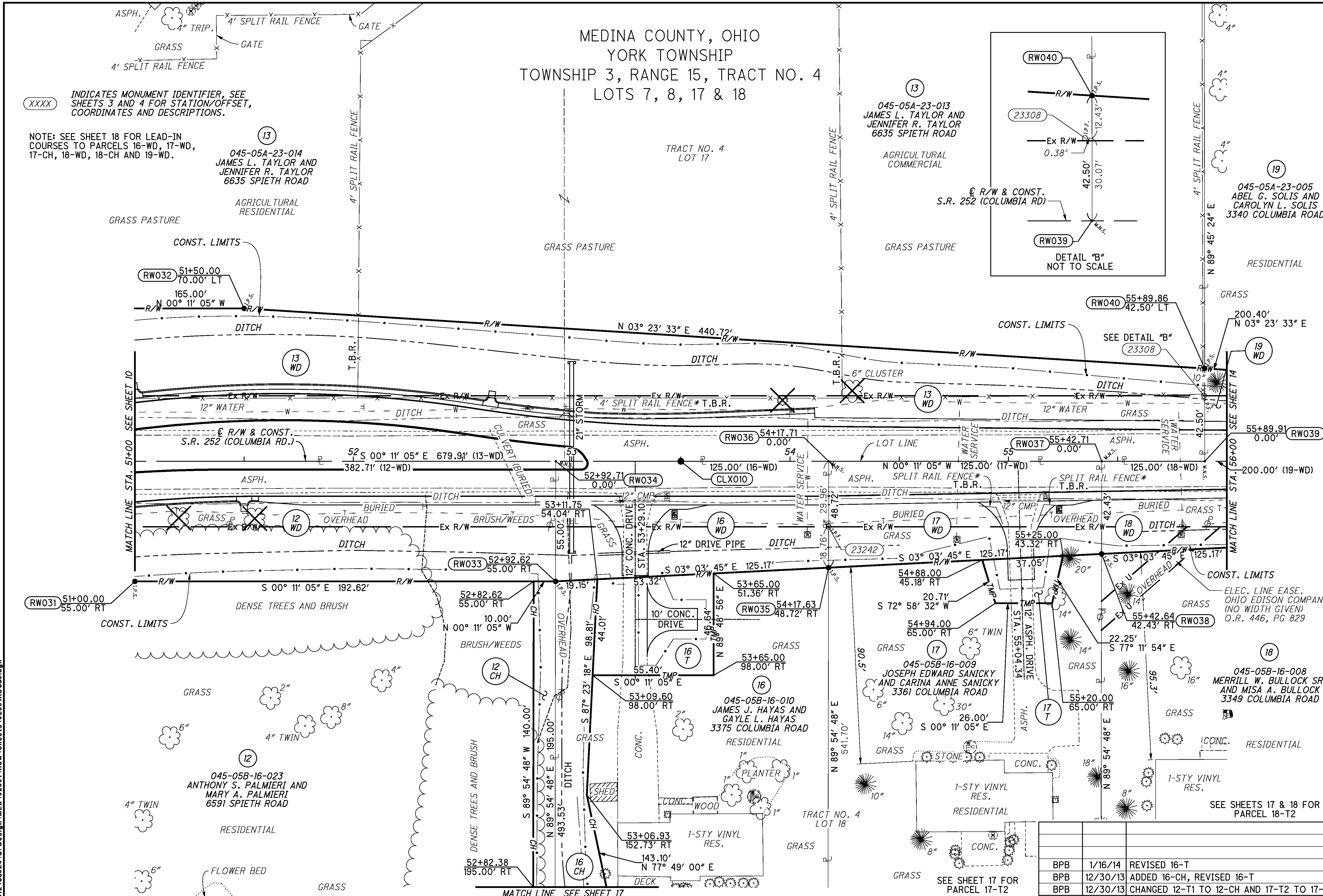
MED-57-17.52

12/18

MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18

(XXXX) INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.

NOTE: SEE SHEET 18 FOR LEAD-IN COURSES TO PARCELS 16-WD, 17-WD, 17-CH, 18-WD, 18-CH AND 19-WD.



ASPH.
4" TRIP.
4' SPLIT RAIL FENCE
GATE
GRASS
4' SPLIT RAIL FENCE
13
045-05A-23-014
JAMES L. TAYLOR AND
JENNIFER R. TAYLOR
6635 SPIETH ROAD
AGRICULTURAL
RESIDENTIAL
GRASS PASTURE
TRACT NO. 4
LOT 17
GRASS PASTURE
13
045-05A-23-013
JAMES L. TAYLOR AND
JENNIFER R. TAYLOR
6635 SPIETH ROAD
AGRICULTURAL
COMMERCIAL
GRASS PASTURE
DETAIL "B"
NOT TO SCALE
RW040
R/W
23308
Ex R/W
0.38'
12.43'
42.50'
30.07'
℄ R/W & CONST.
S.R. 252 (COLUMBIA RD)
RW039
19
045-05A-23-005
ABEL G. SOLIS AND
CAROLYN L. SOLIS
3340 COLUMBIA ROAD
RESIDENTIAL
GRASS
N 89° 45' 24" E
CONST. LIMITS
RW032 51+50.00 70.00' LT
165.00'
N 00° 11' 05" W
DITCH
N 03° 23' 33" E 440.72'
RW040 55+89.86 42.50' LT
CONST. LIMITS
SEE DETAIL "B"
23308
200.40'
N 03° 23' 33" E
19 WD
13 WD
T.B.R.
6" CLUSTER
12" WATER
4' SPLIT RAIL FENCE* T.B.R.
21" STORM
CULVERT (BURIED)
GRASS
ASPH.
12" WATER
WATER SERVICE
℄ R/W & CONST.
S.R. 252 (COLUMBIA RD.)
S 00° 11' 05" E 679.91' (13-WD)
382.71' (12-WD)
RW036 54+17.71 0.00'
LOT LINE
RW037 55+42.71 0.00'
125.00' (16-WD)
N 00° 11' 05" W 125.00' (17-WD)
125.00' (18-WD)
55+89.91 RW039 0.00'
200.00' (19-WD)
CLX010
52+92.71 0.00' RW034
SPLIT RAIL FENCE* T.B.R.
MATCH LINE STA. 51+00 SEE SHEET 10
MATCH LINE STA. 56+00 SEE SHEET 14
BURIED
OVERHEAD
BRUSH/WEEDS
12" CMP
53+11.75 54.04' RT
55.00'
12' CONC. DRIVE STA. 53+29.10
12" DRIVE PIPE
16 WD
17 WD
18 WD
12 WD
29.96'
48.72'
18.76'
23242
S 03° 03' 45" E 125.17'
55+25.00 43.32' RT
37.05'
RW033 52+92.62 55.00' RT
RW031 51+00.00 55.00' RT
S 00° 11' 05" E 192.62'
19.15'
53.32'
CONST. LIMITS
DENSE TREES AND BRUSH
52+82.62 55.00' RT
10.00' N 00° 11' 05" W
53+65.00 51.36' RT
RW035 54+17.63 48.72' RT
10' CONC. DRIVE
46.64'
N 89° 48' 56" E
54+88.00 45.18' RT
20.71'
S 72° 58' 32" W
54+94.00 65.00' RT
12' ASPH. DRIVE STA. 55+04.34
ELEC. LINE EASE.
OHIO EDISON COMPANY
(NO WIDTH GIVEN)
O.R. 446, PG 829
55+42.64 42.43' RT RW038
22.25'
S 77° 11' 54" E
BRUSH/WEEDS
12 CH
16 T
53+65.00 98.00' RT
55.40'
S 00° 11' 05" E
53+09.60 98.00' RT
S 87° 23' 18" E 98.81'
44.01'
16
045-05B-16-010
JAMES J. HAYAS AND
GAYLE L. HAYAS
3375 COLUMBIA ROAD
RESIDENTIAL
17
045-05B-16-009
JOSEPH EDWARD SANICKY
AND CARINA ANNE SANICKY
3361 COLUMBIA ROAD
18
045-05B-16-008
MERRILL W. BULLOCK SR.
AND MISA A. BULLOCK
3349 COLUMBIA ROAD
RESIDENTIAL
17 T
55+20.00 65.00' RT
26.00'
S 00° 11' 05" E
N 89° 54' 48" E 541.70'
90.5'
95.3'
N 89° 54' 48" E
12
045-05B-16-023
ANTHONY S. PALMIERI AND
MARY A. PALMIERI
6591 SPIETH ROAD
RESIDENTIAL
4" TWIN
DENSE TREES AND BRUSH
S 89° 54' 48" W 140.00'
195.00'
N 89° 54' 48" E 493.53'
DITCH
SHED
CONC.
WOOD
PLANTER
1-STY VINYL RES.
TRACT NO. 4
LOT 18
STONE
1-STY VINYL RES.
RESIDENTIAL
CONC.
1-STY VINYL RES.
SEE SHEETS 17 & 18 FOR PARCEL 18-T2
53+06.93 152.73' RT
143.10'
N 77° 49' 00" E
16 CH
DECK
52+82.38 195.00' RT
FLOWER BED
GRASS
MATCH LINE SEE SHEET 17
SEE SHEET 17 FOR PARCEL 17-T2

STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR S.R. 252

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION
BPB	1/16/14	REVISED 16-T
BPB	12/30/13	ADDED 16-CH, REVISED 16-T
BPB	12/30/13	CHANGED 12-T1 TO 12-CH AND 17-T2 TO 17-T

DATE COMPLETED 8/30/2013

HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

RIGHT-OF-WAY PLAN - S.R. 252
STA. 51+00 TO STA. 56+00

MED-57-17.52

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MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18

XXXX INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.

NOTE: SEE SHEET 18 FOR LEAD-IN COURSES TO PARCEL 20-WD, 20-CH AND 18-CH.

END WORK STA. 57+20.08

END PROJECT STA. 56+86.28

045-05A-23-005
ABEL G. SOLIS AND
CAROLYN L. SOLIS
3340 COLUMBIA ROAD
RESIDENTIAL

045-05A-23-008
JACK MASICA AND
STEPHANIE A. MASICA
3320 COLUMBIA ROAD
RESIDENTIAL

045-05A-23-007
JOHN J. KULIC AND
JUTTA E. KULIC
3300 COLUMBIA ROAD

TRACT NO. 4
LOT 17

PLANTER W/BLOCK WALL

ELEC. LINE EASEMENT
OHIO EDISON COMPANY
(NO WIDTH GIVEN)
O.R. 650, PG 613

SEE DETAIL "D"

DETAIL "D"
NOT TO SCALE

25.00′
N 00° 11′ 05″ W

56+25.00
48.00′ LT

8.92′
N 56° 04′ 09″ W

56+20.00
40.62′ LT

56+50.00
48.00′ LT

10.80′
N 62° 13′ 15″ E

35.07′
N 03° 23′ 33″ E

56+55.00
38.43′ LT

200.40′

57+89.87
30.00′ LT

30.00′
N 89° 45′ 09″ E

CONST. LIMITS
200.00′ (19-WD)
N 00° 11′ 05″ W 122.19′ (20-WD)
125.00′ (18-WD)

56+67.71
0.00′
RW042

57+89.91
0.00′
RW043

57+89.91
30.00′ RT
RW044

56+67.65
36.15′ RT
RW041

56+40.00
37.54′ RT

7.46′
S 89° 48′ 55″ W

56+40.00
45.00′ RT

27.64′
S 00° 11′ 05″ E

8.85′
N 89° 54′ 48″ E

56+67.64
45.00′ RT

582.32′
N 89° 54′ 48″ E

END ACQUISITION
STA. 58+51.57

12″ DRIVE PIPE

4″ SPLIT RAIL

6′ WOOD PRIV

4″ TRIPLE

4″ PVC

WOOD POST* T.B.R.

045-05B-16-008
MERRILL W. BULLOCK SR.
AND MISA A. BULLOCK
3349 COLUMBIA ROAD
RESIDENTIAL

045-05B-16-007
DAVID H. MANNING AND
JESSICA MANNING
3333 COLUMBIA ROAD
RESIDENTIAL

045-05B-16-006
TIMOTHY C. ROSKEY
3309 COLUMBIA ROAD
RESIDENTIAL

045-05B-16-005
DANA M. MULLINS AND
MARY L. MULLINS
3297 COLUMBIA ROAD

TRACT NO. 4
LOT 18

℄ R/W & CONST.
S.R. 252 (COLUMBIA RD)

DETAIL "C"
NOT TO SCALE

℄ R/W & CONST.
S.R. 252 (COLUMBIA RD.)

SEE SHEETS 17 & 18 FOR PARCEL 18-T2

SEE SHEET 18 FOR PARCEL 20-T

STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR S.R. 252

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION
BPB	12/30/13	CHANGED 18-T2 TO 18-T

DATE COMPLETED 8/30/2013

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

MED-57-17.52
RIGHT-OF-WAY PLAN - S.R. 252
STA. 56+00 TO STA. 61+00

14 / 18

114 / 118

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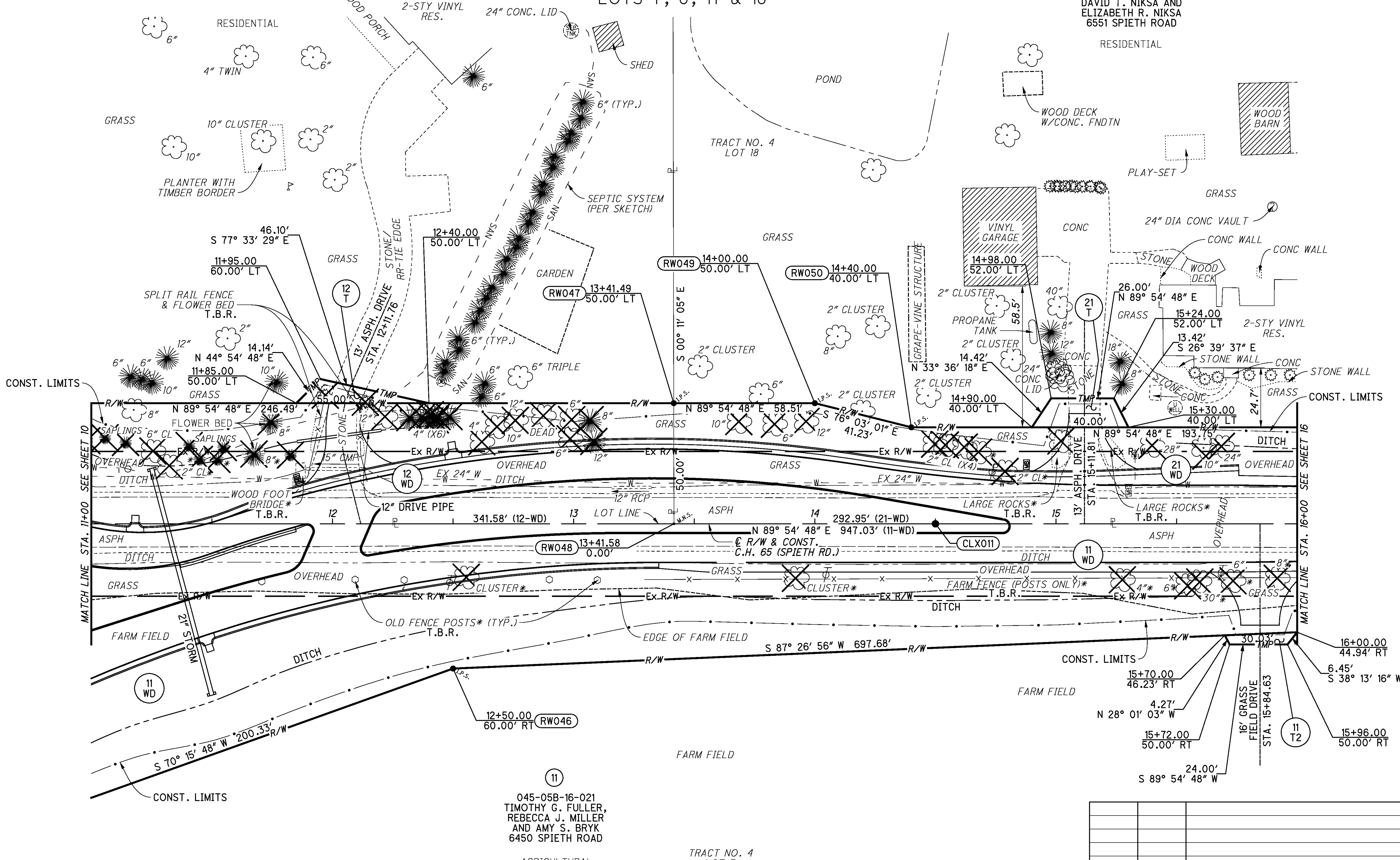
MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18

(XXXX) INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.

NOTE: SEE SHEET 18 FOR LEAD-IN COURSES TO PARCEL 21-WD.



12
045-05B-16-023
ANTHONY S. PALMIERI AND
MARY A. PALMIERI
6591 SPIETH ROAD
RESIDENTIAL
WOOD PORCH
2-STY VINYL RES.
24" CONC. LID
SHED
POND
21
045-05B-16-022
DAVID T. NIKSA AND
ELIZABETH R. NIKSA
6551 SPIETH ROAD
RESIDENTIAL
WOOD DECK W/CONC. FNDTN
WOOD BARN
PLAY-SET
GRASS
TRACT NO. 4
LOT 18
SEPTIC SYSTEM (PER SKETCH)
GARDEN
10" CLUSTER
PLANTER WITH TIMBER BORDER
4" TWIN
STONE/ RR-TIE EDGE
13' ASPH. DRIVE
STA. 12+11.76
S 77° 33' 29" E
46.10'
11+95.00
60.00' LT
12+40.00
50.00' LT
RW047
13+41.49
50.00' LT
RW049
14+00.00
50.00' LT
RW050
14+40.00
40.00' LT
VINYL GARAGE
14+98.00
52.00' LT
CONC
24" DIA CONC VAULT
CONC WALL
STONE
WOOD DECK
26.00'
N 89° 54' 48" E
15+24.00
52.00' LT
2-STY VINYL RES.
13.42'
S 26° 39' 37" E
STONE WALL
GRAPE-VINE STRUCTURE
2" CLUSTER
PROPANE TANK
14.42'
N 33° 36' 18" E
14+90.00
40.00' LT
40.00'
15+30.00
40.00' LT
24.7'
SPLIT RAIL FENCE & FLOWER BED T.B.R.
N 44° 54' 48" E
14.14'
11+85.00
50.00' LT
CONST. LIMITS
N 89° 54' 48" E 246.49'
55.00'
FLOWER BED
SAPLINGS
OVERHEAD
DITCH
WOOD FOOT BRIDGE* T.B.R.
12 WD
EX 24" W
12" DRIVE PIPE
12" RCP
S 00° 11' 05" E
50.00'
N 89° 54' 48" E 58.51'
S 76° 03' 01" E
41.23'
N 89° 54' 48" E 193.75'
21 WD
13' ASPH. DRIVE
STA. 15+11.81
LARGE ROCKS* T.B.R.
341.58' (12-WD)
LOT LINE
292.95' (21-WD)
N 89° 54' 48" E 947.03' (11-WD)
CLX011
RW048
13+41.58
0.00'
℄ R/W & CONST.
C.H. 65 (SPIETH RD.)
ASPH
11 WD
MATCH LINE STA. 11+00 SEE SHEET 10
MATCH LINE STA. 16+00 SEE SHEET 16
FARM FENCE (POSTS ONLY)*
CLUSTER*
OLD FENCE POSTS* (TYP.) T.B.R.
EDGE OF FARM FIELD
21" STORM
FARM FIELD
S 87° 26' 56" W 697.68'
CONST. LIMITS
16+00.00
44.94' RT
6.45'
S 38° 13' 16" W
30.03'
15+70.00
46.23' RT
4.27'
N 28° 01' 03" W
15+72.00
50.00' RT
16' GRASS FIELD DRIVE
STA. 15+84.63
11 T2
15+96.00
50.00' RT
24.00'
S 89° 54' 48" W
12+50.00
60.00' RT
RW046
S 70° 15' 48" W 200.33'
11
045-05B-16-021
TIMOTHY G. FULLER,
REBECCA J. MILLER
AND AMY S. BRYK
6450 SPIETH ROAD
AGRICULTURAL
TRACT NO. 4
LOT 7

STATION AND OFFSET VALUES ARE REFERNECED TO THE ℄ OF R/W AND CONST. FOR C.H. 65

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION
BPB	12/30/13	CHANGED 12-T2 TO 12-T

DATE COMPLETED 8/30/2013

HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

RIGHT-OF-WAY PLAN - C.H. 65
STA. 11+00 TO STA. 16+00

MED-57-17.52

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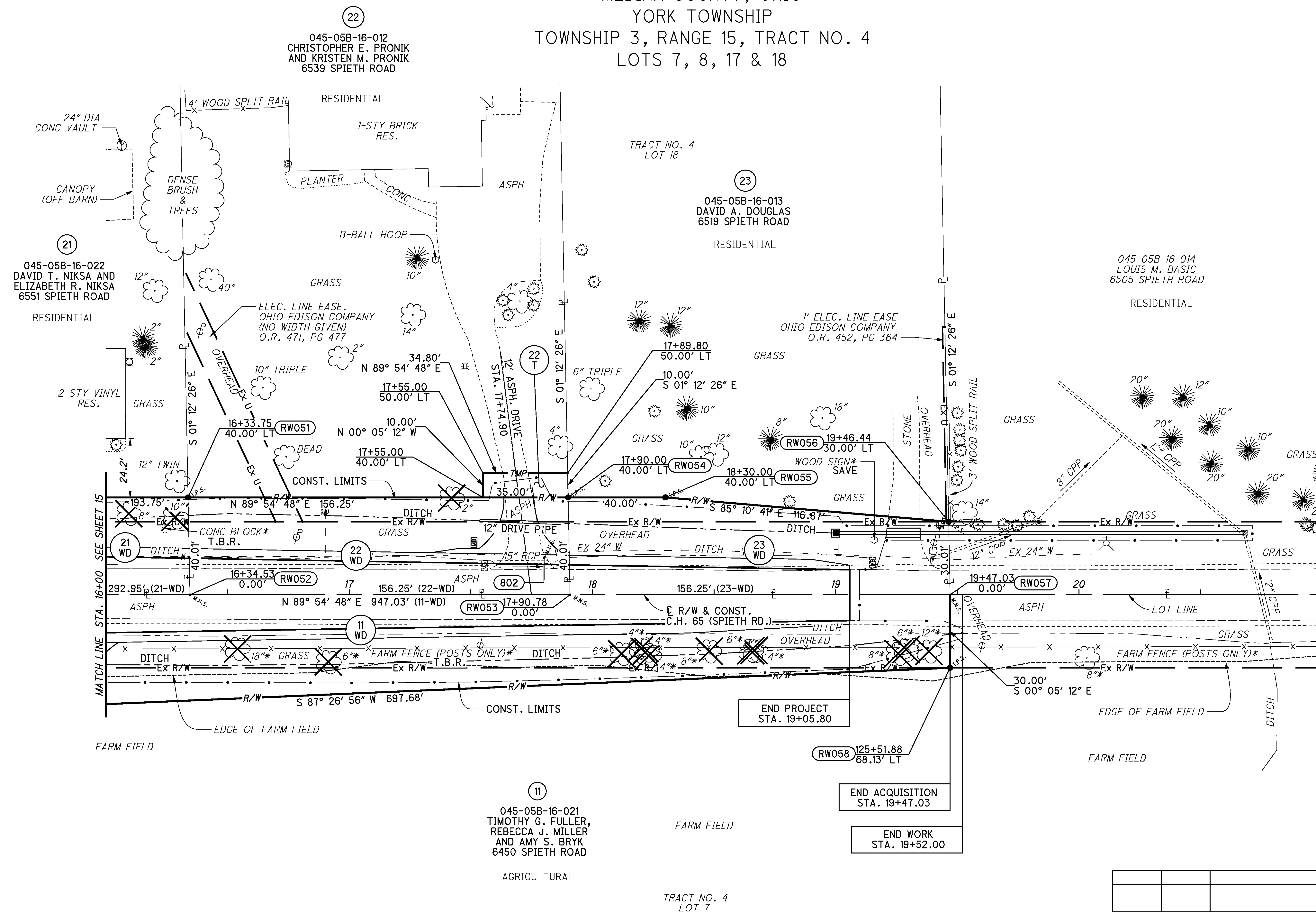
NOTE: SEE SHEET 18 FOR LEAD-IN COURSES TO PARCELS 22-WD AND 23-WD.

MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18



(22)
045-05B-16-012
CHRISTOPHER E. PRONIK
AND KRISTEN M. PRONIK
6539 SPIETH ROAD
RESIDENTIAL
4' WOOD SPLIT RAIL
1-STY BRICK RES.
24" DIA CONC VAULT
CANOPY (OFF BARN)
DENSE BRUSH & TREES
PLANTER
CONC
ASPH
B-BALL HOOP
TRACT NO. 4
LOT 18
(23)
045-05B-16-013
DAVID A. DOUGLAS
6519 SPIETH ROAD
RESIDENTIAL
(21)
045-05B-16-022
DAVID T. NIKSA AND
ELIZABETH R. NIKSA
6551 SPIETH ROAD
RESIDENTIAL
045-05B-16-014
LOUIS M. BASIC
6505 SPIETH ROAD
RESIDENTIAL
GRASS
ELEC. LINE EASE.
OHIO EDISON COMPANY
(NO WIDTH GIVEN)
O.R. 471, PG 477
1' ELEC. LINE EASE
OHIO EDISON COMPANY
O.R. 452, PG 364
2-STY VINYL RES.
10" TRIPLE
6" TRIPLE
12" TWIN
DEAD
OVERHEAD
STONE
3' WOOD SPLIT RAIL
S 01° 12' 26" E
34.80'
N 89° 54' 48" E
17+55.00
50.00' LT
10.00'
N 00° 05' 12" W
17+55.00
40.00' LT
16+33.75
40.00' LT
RW051
12' ASPH. DRIVE
STA. 17+74.90
22 T
17+89.80
50.00' LT
10.00'
S 01° 12' 26" E
17+90.00
40.00' LT
RW054
18+30.00
40.00' LT
RW055
RW056
19+46.44
30.00' LT
WOOD SIGN* SAVE
CONST. LIMITS
TMP
35.00'
193.75'
N 89° 54' 48" E 156.25'
40.00'
S 85° 10' 41" E 116.87'
DITCH
Ex R/W
CONC BLOCK* T.B.R.
12" DRIVE PIPE
15" RCP
EX 24" W
12" CPP
8" CPP
EX 24" W
21 WD
22 WD
23 WD
40.01'
30.01'
16+34.53
0.00'
RW052
802
156.25' (22-WD)
156.25' (23-WD)
292.95' (21-WD)
N 89° 54' 48" E 947.03' (11-WD)
RW053
17+90.78
0.00'
19+47.03
0.00'
RW057
17 18 19 20 21
℄ R/W & CONST.
C.H. 65 (SPIETH RD.)
LOT LINE
11 WD
FARM FENCE (POSTS ONLY)*
T.B.R.
S 87° 26' 56" W 697.68'
CONST. LIMITS
30.00'
S 00° 05' 12" E
EDGE OF FARM FIELD
END PROJECT
STA. 19+05.80
RW058
125+51.88
68.13' LT
END ACQUISITION
STA. 19+47.03
END WORK
STA. 19+52.00
FARM FIELD
MATCH LINE STA. 16+00 SEE SHEET 15
(11)
045-05B-16-021
TIMOTHY G. FULLER,
REBECCA J. MILLER
AND AMY S. BRYK
6450 SPIETH ROAD
AGRICULTURAL
TRACT NO. 4
LOT 7

(XXXX) INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.

STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR C.H. 65

* DENOTES RIGHT OF WAY ENCROACHMENT

REV. BY	DATE	DESCRIPTION

DATE COMPLETED 8/30/2013

HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

RIGHT-OF-WAY PLAN - C.H. 65
STA. 16+00 TO STA. 21+00

MED-57-17.52

16/18

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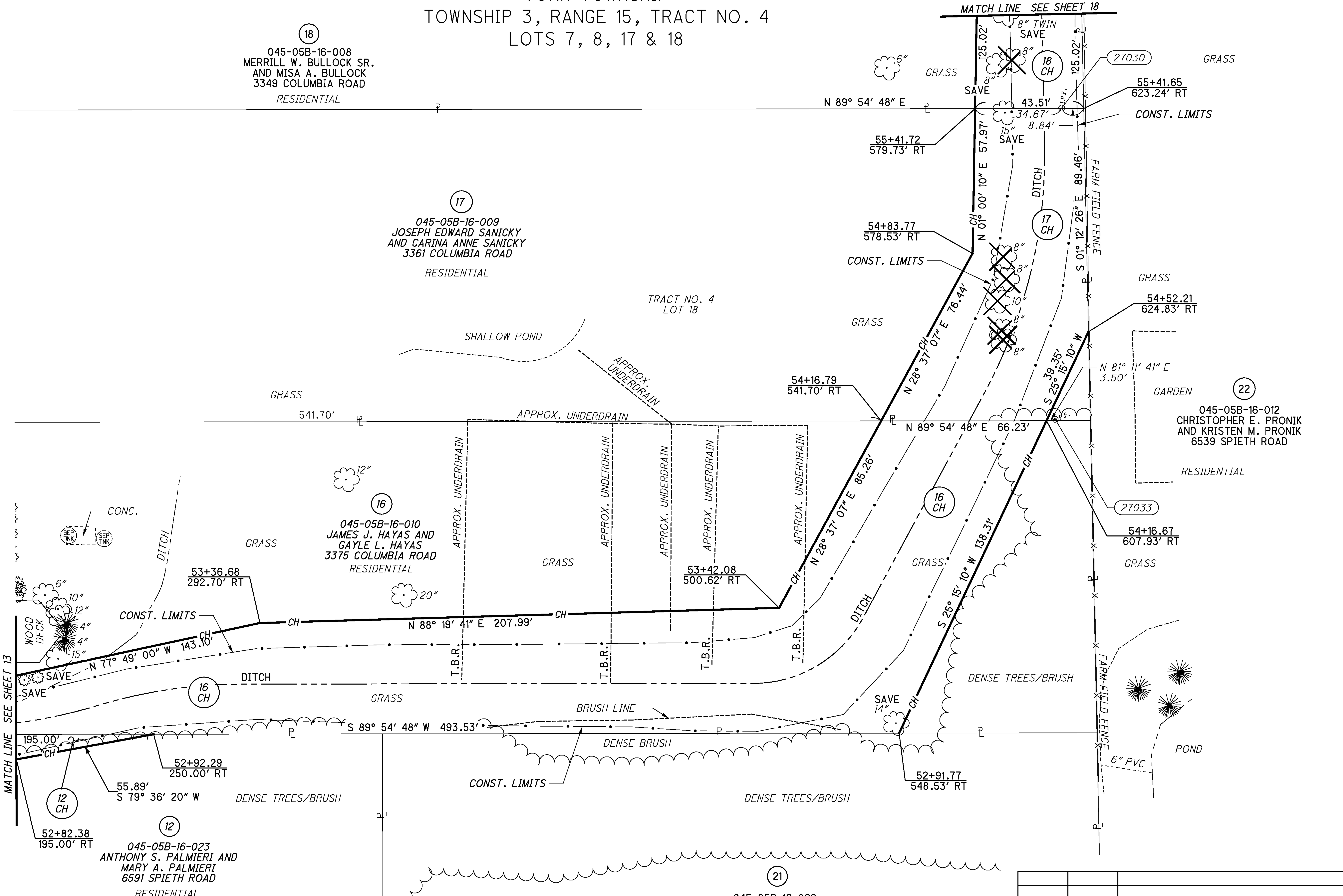
MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18



MATCH LINE SEE SHEET 18
18
045-05B-16-008
MERRILL W. BULLOCK SR.
AND MISA A. BULLOCK
3349 COLUMBIA ROAD
RESIDENTIAL
8″ TWIN
SAVE
18 CH
27030
GRASS
SAVE
125.02′
N 89° 54′ 48″ E
43.51′
34.67′
8.84′
55+41.65
623.24′ RT
CONST. LIMITS
55+41.72
579.73′ RT
15″
SAVE
N 01° 00′ 10″ E 57.97′
DITCH
S 01° 12′ 26″ E 89.46′
FARM FIELD FENCE
17
045-05B-16-009
JOSEPH EDWARD SANICKY
AND CARINA ANNE SANICKY
3361 COLUMBIA ROAD
RESIDENTIAL
17 CH
54+83.77
578.53′ RT
CONST. LIMITS
TRACT NO. 4
LOT 18
GRASS
54+52.21
624.83′ RT
N 28° 37′ 07″ E 76.44′
SHALLOW POND
APPROX. UNDERDRAIN
39.35′
S 25° 15′ 10″ W
N 81° 11′ 41″ E
3.50′
GARDEN
22
045-05B-16-012
CHRISTOPHER E. PRONIK
AND KRISTEN M. PRONIK
6539 SPIETH ROAD
RESIDENTIAL
54+16.79
541.70′ RT
GRASS
541.70′
APPROX. UNDERDRAIN
N 89° 54′ 48″ E 66.23′
12″
16
045-05B-16-010
JAMES J. HAYAS AND
GAYLE L. HAYAS
3375 COLUMBIA ROAD
RESIDENTIAL
N 28° 37′ 07″ E 85.26′
16 CH
27033
54+16.67
607.93′ RT
CONC.
SEP TNK
DITCH
GRASS
S 25° 15′ 10″ W 138.31′
53+36.68
292.70′ RT
53+42.08
500.62′ RT
20″
GRASS
CONST. LIMITS
N 88° 19′ 41″ E 207.99′
WOOD DECK
N 77° 49′ 00″ W 143.10′
T.B.R.
DITCH
DENSE TREES/BRUSH
SAVE
16 CH
GRASS
BRUSH LINE
SAVE
14″
FARM FIELD FENCE
MATCH LINE SEE SHEET 13
195.00′
S 89° 54′ 48″ W 493.53′
DENSE BRUSH
6″ PVC
POND
52+92.29
250.00′ RT
55.89′
S 79° 36′ 20″ W
CONST. LIMITS
52+91.77
548.53′ RT
12 CH
DENSE TREES/BRUSH
DENSE TREES/BRUSH
12
52+82.38
195.00′ RT
045-05B-16-023
ANTHONY S. PALMIERI AND
MARY A. PALMIERI
6591 SPIETH ROAD
RESIDENTIAL
21
045-05B-16-022
DAVID T. NIKSA AND
ELIZABETH R. NIKSA
6551 SPIETH ROAD
RESIDENTIAL

(XXXX) INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.

STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR S.R. 252

REV. BY	DATE	DESCRIPTION
BPB	12/30/13	CHANGED 12-T1 TO 12-CH, 16-T TO 16-CH, 17-T2 TO 17-CH AND 18-T2 TO 18-CH

DATE COMPLETED 8/30/2013

HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

RIGHT-OF-WAY PLAN
OFFSITE DRAINAGE DITCH

MED-57-17.52

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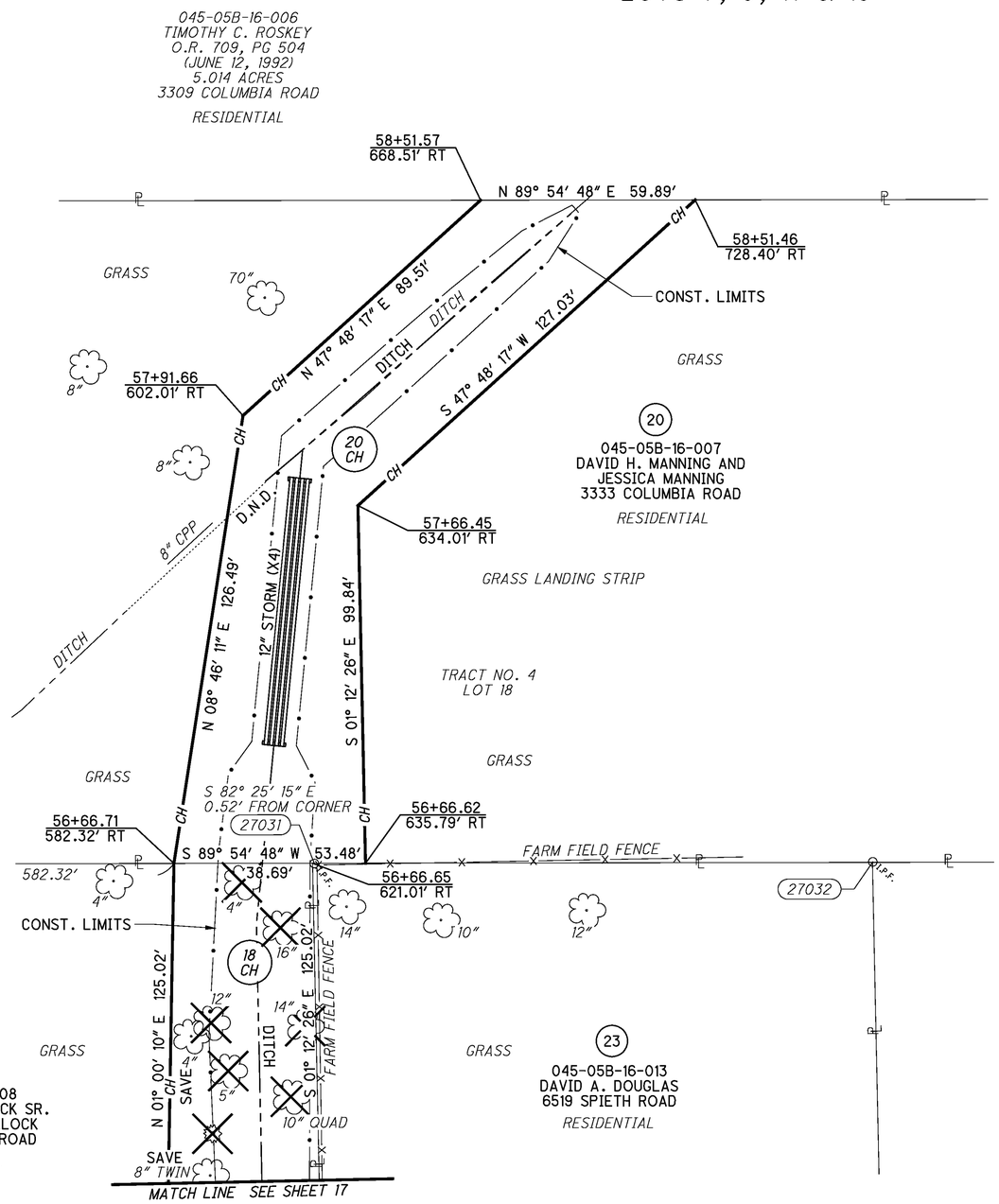
MEDINA COUNTY, OHIO
YORK TOWNSHIP
TOWNSHIP 3, RANGE 15, TRACT NO. 4
LOTS 7, 8, 17 & 18



STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR S.R. 252

(XXXX) INDICATES MONUMENT IDENTIFIER, SEE SHEETS 3 AND 4 FOR STATION/OFFSET, COORDINATES AND DESCRIPTIONS.

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PERMANENT PARCEL LEAD-IN COURSES

COMMON POINT OF REFERENCE:
COMMENCING FOR REFERENCE AT CONCRETE MONUMENT SET WHICH REPLACES A RAILROAD SPIKE FOUND AND HELD AT THE INTERSECTION OF THE CENTERLINES OF RIGHT-OF-WAY FOR STATE ROUTE 57, STATE ROUTE 252 AND COUNTY ROAD 65, BEING THE NORTHWEST CORNER OF LOT 7, THE NORTHEAST CORNER OF LOT 8, THE SOUTHEAST CORNER OF LOT 17 AND THE SOUTHWEST CORNER OF LOT 18, ALL OF TRACT NUMBER 4, TOWNSHIP 3, RANGE 15, AND BEING AT STATE ROUTE 57 CENTERLINE OF RIGHT-OF-WAY AND CONSTRUCTION STATION 932+98.00, AT STATE ROUTE 252 CENTERLINE OF RIGHT-OF-WAY AND CONSTRUCTION STATION 49+10.00 AND COUNTY HIGHWAY 65 CENTERLINE OF RIGHT-OF-WAY AND CONSTRUCTION STATION 10+00.00.

PARCEL	BEARING	DISTANCE	STATION	OFFSET	NOTE
10-WD1	-	-	-	-	POB AT POINT OF REFERENCE
10-WD2	S 89° 45' 24" W	777.62'	940+75.62	0.00'	TRUE POB
11-WD	-	-	-	-	POB AT POINT OF REFERENCE
12-WD	-	-	-	-	POB AT POINT OF REFERENCE
12-CH	N 00° 11' 05" W	382.71'	52+92.71*	0.00'*	GRANTOR'S NW CORNER
	N 89° 54' 48" E	55.00'	52+92.62*	55.00' RT*	TRUE POB
13-WD	-	-	-	-	POB AT POINT OF REFERENCE
14-WD	S 89° 45' 24" W	568.92'	938+66.92	0.00'	TRUE POB
15-WD	S 89° 45' 24" W	633.60'	936+31.60	0.00'	TRUE POB
16-WD	N 00° 11' 05" W	382.71'	52+92.71*	0.00'*	TRUE POB
16-CH	N 00° 11' 05" W	382.71'	52+92.71*	0.00'*	GRANTOR'S SW CORNER
	N 89° 54' 48" E	55.00'	52+92.62*	55.00' RT*	TRUE POB
17-WD	N 00° 11' 05" W	507.71'	54+17.71*	0.00*	TRUE POB
17-CH	N 00° 11' 05" W	507.71'	54+17.71*	0.00'*	GRANTOR'S SW CORNER
	N 89° 54' 48" E	541.70'	54+16.79*	541.70' RT*	TRUE POB
18-WD	N 00° 11' 05" W	632.71'	55+42.71*	0.00*	TRUE POB
18-CH	N 00° 11' 05" W	757.71	56+67.71*	0.00'*	GRANTOR'S NW CORNER
	N 89° 54' 48" E	582.32'	56+66.71*	582.32' RT*	TRUE POB
19-WD	N 00° 11' 05" W	697.91'	55+89.91*	0.00*	TRUE POB
20-WD	N 00° 11' 05" W	757.71'	56+67.71*	0.00*	TRUE POB
20-CH	N 00° 11' 05" W	757.71'	56+67.71*	0.00'*	GRANTOR'S SW CORNER
	N 89° 54' 48" E	582.32'	56+66.71*	582.32' RT*	TRUE POB
21-WD	N 89° 54' 48" E	341.58'	13+41.58**	0.00**	TRUE POB
22-WD	N 89° 54' 48" E	634.53'	16+34.53**	0.00**	TRUE POB
23-WD	N 89° 54' 48" E	790.78'	17+90.78**	0.00**	TRUE POB

STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR S.R. 57 UNLESS AS DESIGNATED BELOW:
* -STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR S.R. 252
** -STATION AND OFFSET VALUES ARE REFERENCED TO THE ℄ OF R/W AND CONST. FOR C.H. 65

REV. BY	DATE	DESCRIPTION
BPB	12/30/13	ADDED LEAD-IN COURSES FOR 12-CH, 16-CH,
		17-CH, 18-CH AND 20-CH
BPB	12/30/13	CHANGED 18-T2 TO 18-CH, 20-T TO 20-CH

DATE COMPLETED 8/30/2013

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 92691

R/W DESIGNER FJA
R/W REVIEWER BPB

RIGHT-OF-WAY PLAN
OFFSITE DRAINAGE DITCH (CONT)
PERMANENT PARCEL LEAD-IN COURSES

MED-57-17.52

18 / 18

118
118

PROJECT DESCRIPTION

THE PROJECT INVOLVES THE CONSTRUCTION OF A SINGLE LANE ROUNDABOUT TO REPLACE THE CURRENT TWO-WAY STOP CONTROLLED INTERSECTION IN MEDINA COUNTY, OHIO.

HISTORIC RECORDS

NO HISTORIC RECORDS WERE FOUND FOR THIS PROJECT.

GEOLOGY

THE PROJECT SITE IS LOCATED IN THE GLACIATED PORTION OF OHIO. ACCORDING TO THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) PHYSIOGRAPHIC REGIONS OF OHIO, THE SITE IS LOCATED WITHIN THE GALION GLACIATED LOW PLATEAU REGION.

ACCORDING TO ODNR'S GEOLOGIC MAP OF OHIO, THE UNDERLYING BEDROCK IS MAPPED AS MISSISSIPPIAN AGE SHALE, SILTSTONE OR SANDSTONE. ACCORDING TO THE BEDROCK GEOLOGY MAP OF OHIO (2006), THE BEDROCK BELOW THE SITE CONSISTS OF UPPER-LOWER MISSISSIPPIAN AGE SHALE, SILTSTONE, SANDSTONE OR LIMESTONE OF THE LOGAN-CUYAHOGA FORMATION.

RECONNAISSANCE

ON JANUARY 8, 2013, A RECONNAISSANCE VISIT WAS MADE. THE EXISITNG ROADWAY SURFACE IS GENERALLY IN GOOD CONDITION. SR 252 MAY HAVE BEEN RESURFACED IN THE PAST SEVERAL YEARS. CATTAILS WERE NOTICED IN SOME DITCHES NEAR THE INTERSECTION OF SR 252 AND SR 57.

SUBSURFACE EXPLORATION

TWELVE (12) TEST BORINGS AND EIGHT (8) PAVEMENT CORES WERE PERFORMED FOR THIS PROJECT. THE TEST BORINGS WERE PERFORMED USING A TRUCK MOUNTED DRILL RIG, UTILIZING HOLLOW STEM AUGERS (HSA), ON JANUARY 9 AND 10, 2013. STANDARD PENETRATION TESTS WERE CONDUCTED USING A 140-POUND HAMMER FALLING 30 INCHES TO DRIVE A 2-INCH O.D. SPLIT BARREL SAMPLER FOR 18 INCHES.

BORINGS WERE DRILLED USING TRUCK AND TRACK MOUNTED DRILL RIGS AND 3.25 INCH I.D. HOLLOW STEM AUGERS WERE UTILIZED TO ADVANCE THE BORINGS THROUGH THE SOIL AND UPPER FEW FEET OF ROCK. THE HAMMER SYSTEM USED WAS CALIBRATED ON APRIL 19, 2012, AND HAD A DRILL ROD ENERGY RATIO OF 81.2 PERCENT.

EXPLORATION FINDINGS

IN GENERAL, THE BORINGS ENCOUNTERED SANDY SILT, SILT AND CLAY, SILTY CLAY, OR CLAY, OF THE A-4a, A-6a, A-6b, AND A-7-6 CATEGORIES

BEDROCK CONSISTING OF SHALE OR SANDSTONE WAS ENCOUNTERED AT VARIOUS ELEVATIONS IN 9 OF THE 12 BORINGS. IN GENERAL BEDROCK WAS SEVERELY TO MODERATELY WEATHERED AND VERY WEAK TO SLIGHTLY STRONG.

SPECIFICATIONS

THIS GEOTECHNICAL EXPLORATION WAS PERFORMED IN ACCORDANCE WITH THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, OFFICE OF GEOTECHNICAL ENGINEERING, SPECIFICATIONS FOR GEOTECHNICAL EXPLORATIONS, DATED JULY 2011.

AVAILABLE INFORMATION

ALL AVAILABLE INFORMATION AND BEDROCK INFORMATION THAT CAN BE CONVINIENTLY SHOWN ON THE SOIL PROFILE SHEETS HAS BEEN REPORTED. ADDITIONAL SUBSURFACE EXPLORATIONS MAY HAVE BEEN MADE TO STUDY SOME SPECIAL ASPECT OF THE PROJECT. COPIES OF THIS DATA, IF ANY, MAY BE INSPECTED IN THE DISTRICT DEPUTY DIRECTOR'S OFFICE, THE OFFICE OF GEOTECHNICAL ENGINEERING AT 1600 WEST BROAD STREET OR THE OFFICE OF STRUCTURAL ENGINEERING AT 1980 WEST BROAD STREET.

LEGEND

DESCRIPTION	ODOT CLASS	CLASSIFIED MECH./VISUAL	
SANDY SILT	A-4a	2	-
SILT AND CLAY	A-6a	5	4
SILTY CLAY	A-6b	8	7
CLAY	A-7-6	6	4
	TOTAL	21	15
SANDSTONE	VISUAL		
SEVERELY OR HIGHLY WEATHERED SHALE	VISUAL		
SEVERELY OR HIGHLY WEATHERED SANDSTONE	VISUAL		
XXXXX PAVEMENT OR BASE = X = APPROXIMATE THICKNESS	VISUAL		

EXPLORATION LOCATION - PLAN VIEW

PAVEMENT CORE

DRIVE SAMPLE AND/OR ROCK CORE BORING PLOTTED TO VERTICAL SCALE ONLY. HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPHY.

AUGER BORING PLOTTED TO VERTICAL SCALE ONLY. HORIZONTAL BAR INDICATES A CHANGE IN STRATIGRAPHY.

WC — INDICATES WATER CONTENT IN PERCENT.

W— — INDICATES FREE WATER ELEVATION.

▼ — INDICATES STATIC WATER ELEVATION.

N_{60} — INDICATES STANDARD PENETRATION RESISTANCE NORMALIZED TO 60% DRILL ROD ENERGY RATIO.

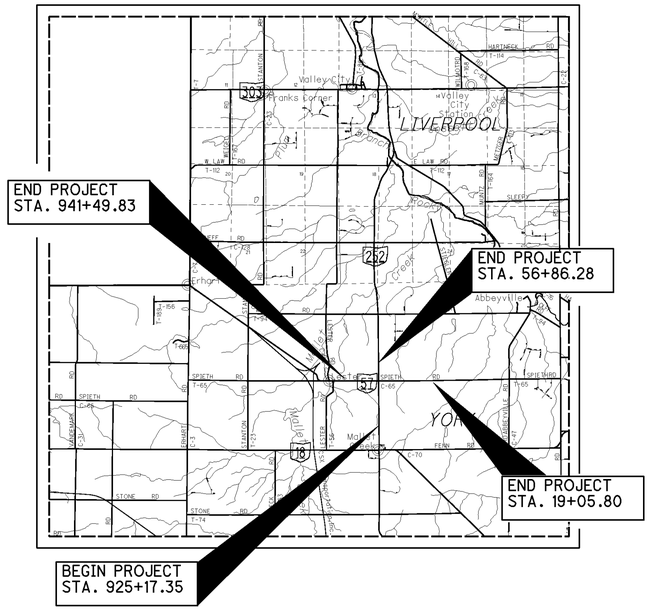
* — INDICATES A SAMPLE TAKEN WITHIN 3 FT OF PROPOSED GRADE.

SS — INDICATES A SPLIT-SPOON SAMPLE.

TR — INDICATES THE TOP OF ROCK.

INDEX OF SHEETS

LOCATION FROM STA.	TO STA.	PLAN VIEW SHEET	PROFILE SHEET	CUT MAX.		FILL EMB. MAX.	
SR 57							
921+00	934+50	3	3	<1	FT	2.2	FT
934+50	944+50	4	4	<1	FT	<1	FT
SR 252							
49+10	62+50	5	5	-	FT	1.6	FT
CR 65							
10+00	23+50	6	6	<1	FT	<1	FT



LOCATION MAP

SCALE IN MILES

0 1 2 3 4

N

PARTICLE SIZE DEFINITIONS

12"	3"	2.0 mm	0.42 mm	0.074 mm	0.005 mm
BOULDERS |	COBBLES |	GRAVEL |	COARSE SAND |	FINE SAND |	SILT |	CLAY
			No. 10 SIEVE	No. 40 SIEVE	No. 200 SIEVE		

RECON. - CF 1/08/2013
DRILLING - CTL ENGINEERING INC 1/09-1/10/13
DRAWN - NKS 5/17/2013
REVIEWED - SM 5/20/2013

CTL ENGINEERING, INC.
2860 FISHER ROAD
COLUMBUS, OHIO 43204
PHONE:1(614)276-8123 FAX:1(614)276-6377

PID NO. 92691

SOIL PROFILE

MED-57-17.52

SUMMARY OF SOIL TEST DATA
SR 57

EXPLORATION NO., STATION & OFFSET	FROM TO	SAMPLE ID	% REC	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)
B-002-0-12 STA. 925+01.57, 6.12' RT. NORTHING = 551423.331 EASTING = 2126969.031	01.50-03.00	SS-1	100	2	2	19	40	37	38	20	18	17	A-6b (11)*
	03.00-04.50	SS-2	100	SAME AS SS-1								13	A-6b (VISUAL)
	04.50-06.00	SS-3	100	5	5	15	45	30	33	19	14	13	A-6a (10)
	06.00-07.50	SS-4	100	SAME AS SS-3								15	A-6a (VISUAL)
B-003-0-12 STA. 927+97.11, 8.99' LT. NORTHING = 551718.674 EASTING = 2126950.394	01.50-03.00	SS-1	100	6	4	19	33	38	43	23	20	22	A-7-6 (12)*
				SAME AS SS-1								22	A-7-6 (VISUAL)
	03.00-04.50	SS-2	100	SAME AS SS-1								18	A-7-6 (VISUAL)
	04.50-05.50	SS-3A	100	1	2	14	46	37	46	22	24	18	A-7-6 (15)
	05.50-05.60	SS-3B	100	SANDSTONE, BROWN, MODERATELY WEATHERED, SLIGHTLY STRONG.								-	VISUAL
B-004-0-12 STA. 932+17.58, 9.53' RT. NORTHING = 552139.327 EASTING = 2126963.880	01.50-03.00	SS-1	100	0	2	12	58	28	37	21	16	18	A-6b (10)*
	03.00-04.00	SS-2A	100	15	3	16	49	17	32	19	13	14	A-6a (7)
	04.00-04.50	SS-2B	100	SANDSTONE, BROWN, HIGHLY WEATHERED, WEAK TO SLIGHTLY STRONG.								-	VISUAL
	04.50-04.75	SS-3	100	SAME AS SS-2B								-	VISUAL
B-005-0-12 STA. 933+96.57, 6.13' LT. NORTHING = 552213.087 EASTING = 2126854.843	02.00-03.50	SS-1	100	5	5	12	50	28	38	21	17	11	A-6b (11)*
	03.50-04.00	SS-2A	100	SAME AS SS-1								21	A-6b (VISUAL)
	04.00-05.00	SS-2B	100	SHALE, BROWN AND GRAY, SEVERELY WEATHERED, WEAK.								-	VISUAL
B-006-0-12 STA. 937+95.18, 5.7' LT. NORTHING = 552211.808 EASTING = 2126456.241	02.00-03.50	SS-1	100	1	2	13	39	45	53	27	26	24	A-7-6 (17)*
	03.50-05.00	SS-2	100	5	5	15	43	32	34	18	16	15	A-6b (10)
	05.00-06.50	SS-3	100	SHALE, BROWN, HIGHLY WEATHERED, WEAK.								-	VISUAL
	06.50-07.00	SS-4	100	SAME AS SS-3								-	VISUAL
B-007-0-12 STA. 940+93.57, 3.11' RT. NORTHING = 552219.363 EASTING = 2126157.812	02.00-03.50	SS-1	89	5	3	7	43	42	49	24	25	25	A-7-6 (16)*
	03.50-05.00	SS-2	100	3	5	14	41	37	38	20	18	19	A-6b (11)
	05.00-06.50	SS-3	100	SAME AS SS-2								14	A-6b (VISUAL)
	06.50-08.00	SS-4	100	SAME AS SS-2								15	A-6b (VISUAL)

SUMMARY OF SOIL TEST DATA
SR 252

EXPLORATION NO., STATION & OFFSET	FROM TO	SAMPLE ID	% REC	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)
B-009-0-12 STA. 50+13.33, 10.44' RT. NORTHING = 552322.996 EASTING = 2126963.503	01.50-03.00	SS-1	100	12	5	21	53	9	28	17	11	20	A-6a (6)*
	03.00-04.50	SS-2	100	SHALE, BROWN, HIGHLY WEATHERED, WEAK.								-	VISUAL
B-010-0-12 STA. 54+16.69, 6.77' LT. NORTHING = 552726.301 EASTING = 2126944.993	01.50-02.50	SS-1A	100	11	10	20	41	18	25	17	8	11	A-4a (5)*
	02.50-03.00	SS-1B	100	SAME AS SS-2								21	A-7-6 (VISUAL)
	03.00-04.50	SS-2A	100	2	2	14	45	37	42	22	20	18	A-7-6 (12)
	04.50-5.00	SS-3A	100	SAME AS SS-2A								22	A-7-6 (VISUAL)
	05.00-06.00	SS-3B	100	SHALE, GRAY, HIGHLY WEATHERED, WEAK.								17	VISUAL
	06.00-07.50	SS-4	100	SAME AS SS-3B								-	VISUAL
B-011-0-12 STA. 57+11.62, 7.04' LT. NORTHING = 553021.222 EASTING = 2126943.767	01.50-02.50	SS-1A	100	22	5	14	41	18	36	18	18	15	A-6b (8)*
	02.50-03.00	SS-1B	100	SAME AS SS-3								16	A-6a (VISUAL)
	03.00-04.50	SS-2	100	SAME AS SS-3								16	A-6a (VISUAL)
	04.50-06.00	SS-3	100	6	7	18	39	30	32	19	13	14	A-6a (8)
	06.00-07.50	SS-4	100	SAME AS SS-3								16	A-6a (VISUAL)

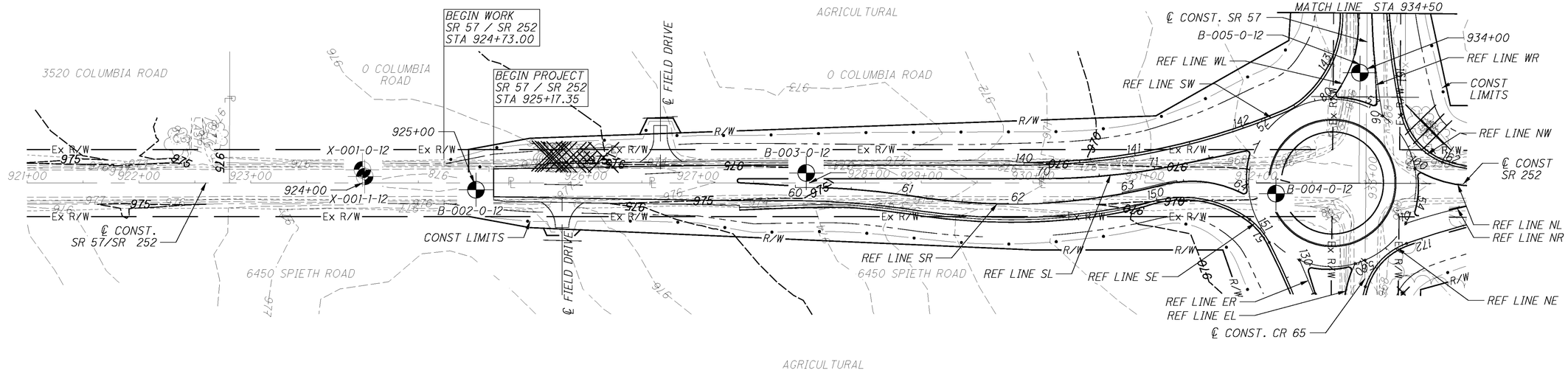
SUMMARY OF SOIL TEST DATA
CR 65

EXPLORATION NO., STATION & OFFSET	FROM TO	SAMPLE ID	% REC	% GR	% CS	% FS	% SILT	% CLAY	LL	PL	PI	% WC	ODOT CLASS (GI)
B-013-0-12 STA. 11+05.16, 11.21' RT. NORTHING = 552208.579 EASTING = 2127058.569	01.50-02.50	SS-1A	100	10	2	21	43	24	29	23	6	-	A-4a (6)*
	02.50-03.00	SS-1B	100	SANDSTONE, BROWN, SEVERELY WEATHERED, SLIGHTLY STRONG.									VISUAL
B-014-0-12 STA. 14+98.87, 5.34' LT. NORTHING = 552225.725 EASTING = 2127452.253	01.50-03.00	SS-1	100	1	2	15	41	41	44	20	24	17	A-7-6 (14)*
	03.00-04.50	SS-2	100	SAME AS SS-3								13	A-6b (VISUAL)
	04.50-06.00	SS-3	100	3	5	27	37	28	33	17	16	13	A-6b (8)
	06.00-06.50	SS-4A	100	SAME AS SS-3								15	A-6b (VISUAL)
	06.50-07.00	SS-4B	100	SANDSTONE, BROWN, HIGHLY WEATHERED, SLIGHTLY STRONG.								-	VISUAL
B-015-0-12 STA. 18+00.53, 6.29' RT. NORTHING = 552214.552 EASTING = 2127753.932	01.50-03.00	SS-1	17	12	1	16	52	19	33	19	14	14	A-6a (9)*
	03.00-04.50	SS-2	56	SAME AS SS-3A								16	A-6b (VISUAL)
	04.50-05.00	SS-3A	100	2	4	16	53	25	34	18	16	16	A-6b (10)
	05.00-06.00	SS-3B	100	SANDSTONE, GRAY, HIGHLY WEATHERED, WEAK.								-	VISUAL
	06.00-07.50	SS-4	100	SAME AS SS-3B								-	VISUAL

DRAWN BRU | CHECKED SM

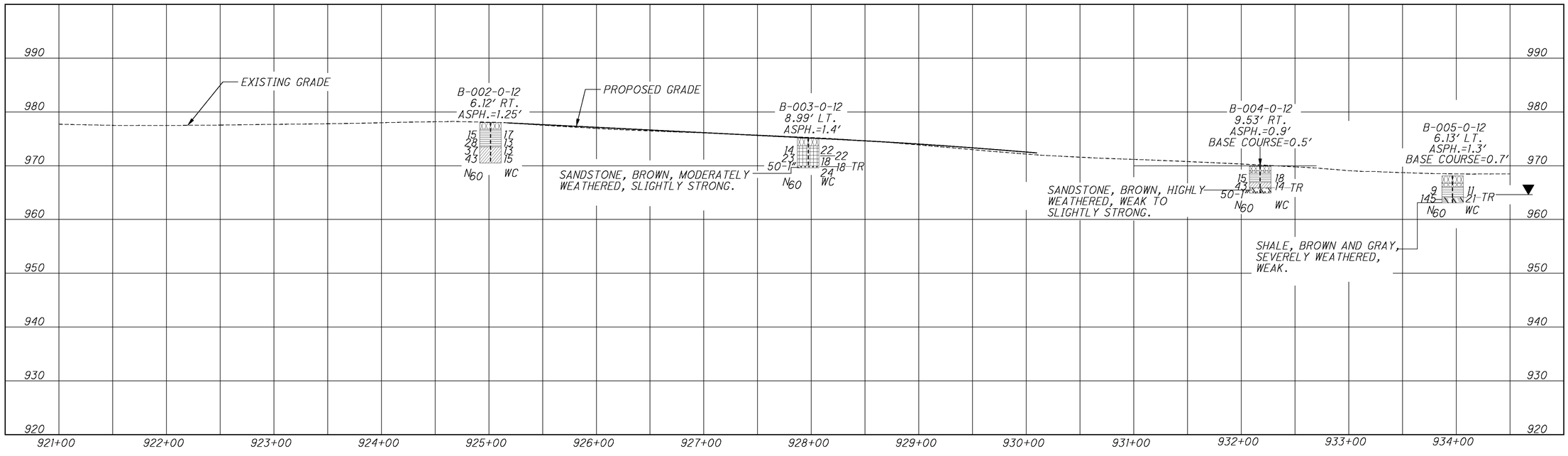
SOIL PROFILE
SUMMARY OF SOIL TEST DATA

MED-57-17.52



PAVEMENT CORE SUMMARY

CORE ID	LOCATION	ASPHALT (INCHES)	BASE (INCHES)
X-001-0-12	923+99.22, 9.99' LT.	14	4
X-001-1-12	924+02.02, 5.75' LT.	8	6



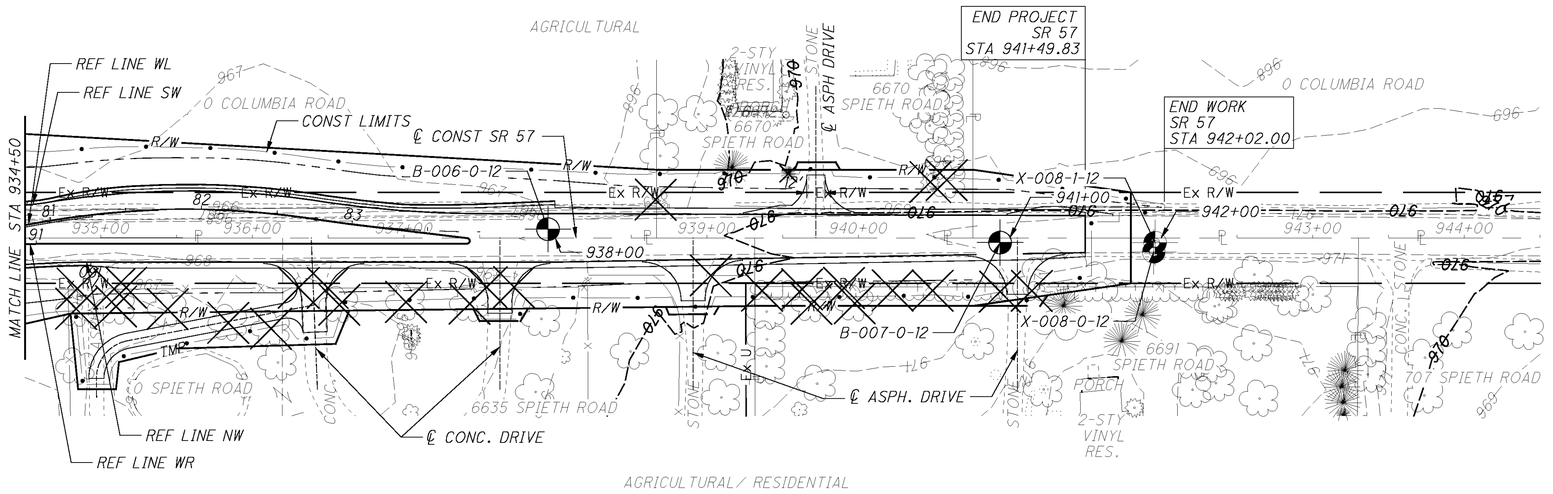
HORIZONTAL SCALE IN FEET
0 50 100

DRAWN N.K.S.
CHECKED SM

SOIL PROFILE - SR 57
STA. 921+00.00 TO STA. 934+50.00

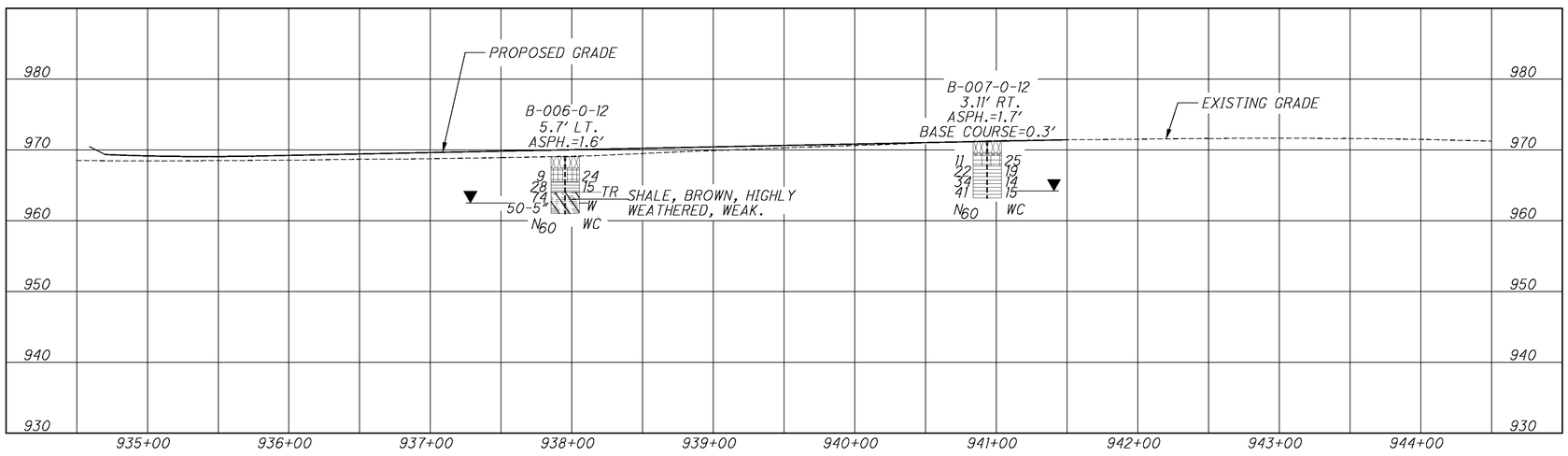
MED-57-17.52

3
6



PAVEMENT CORE SUMMARY

CORE ID	LOCATION	ASPHALT (INCHES)	BASE (INCHES)
X-008-0-12	941+94.99, 9.27' RT.	10.5	6
X-008-1-12	941+95.88, 3.17' RT.	6	6



HORIZONTAL SCALE IN FEET
0 50 100

DRAWN N.K.S.
CHECKED SM

SOIL PROFILE - SR 57 / SR 252
STA. 934+50.00 TO STA. 944+50.00

MED-57-17.52

4
6

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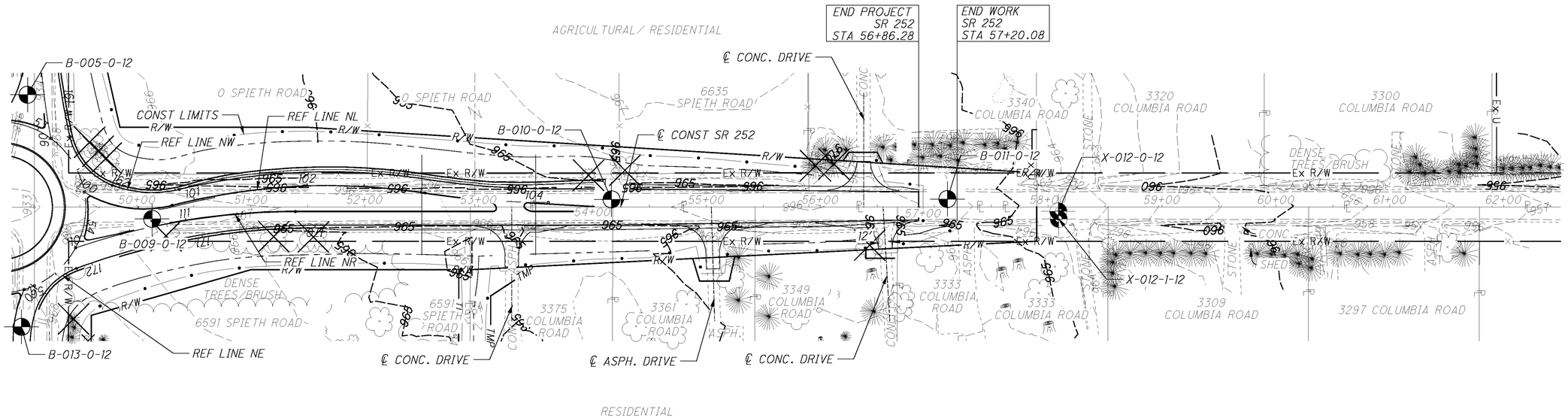
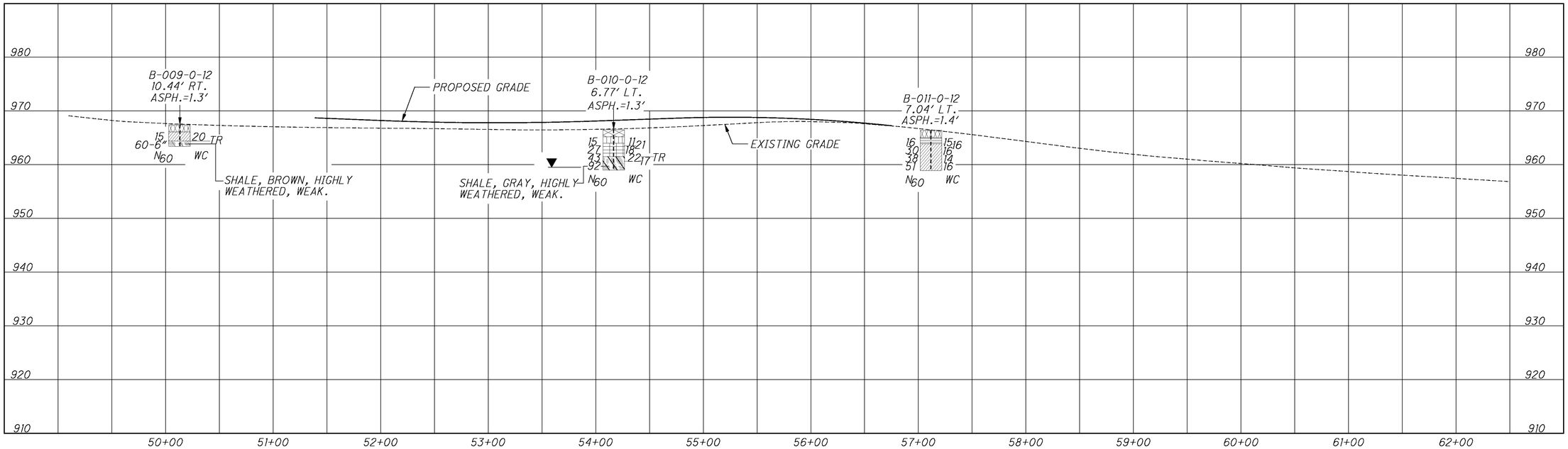


NOTE:

FOR SOIL PROFILE FOR S.R.57, SEE SHEET NO. 3.
FOR SOIL PROFILE FOR C.R.65, SEE SHEET NO. 6.

PAVEMENT CORE SUMMARY

CORE ID	LOCATION	ASPHALT (INCHES)	BASE (INCHES)
X-012-0-12	58+09.00, 3.72' RT.	14	5
X-012-1-12	58+09.35, 10.42' RT.	12	5



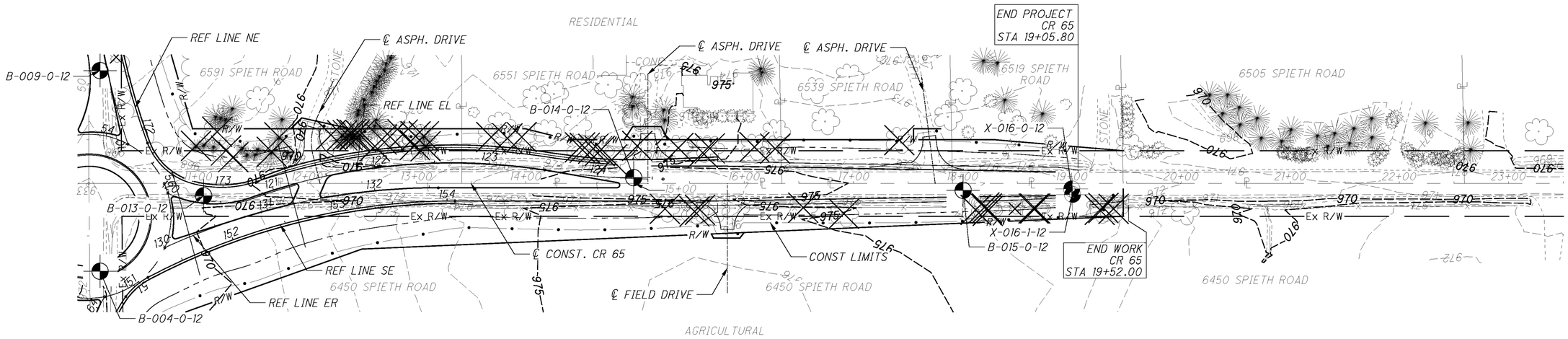
HORIZONTAL SCALE IN FEET
0 50 100

DRAWN N.K.S.
CHECKED SM

SOIL PROFILE - SR 252
STA. 49+10.00 TO STA. 62+50.00

MED-57-17.52

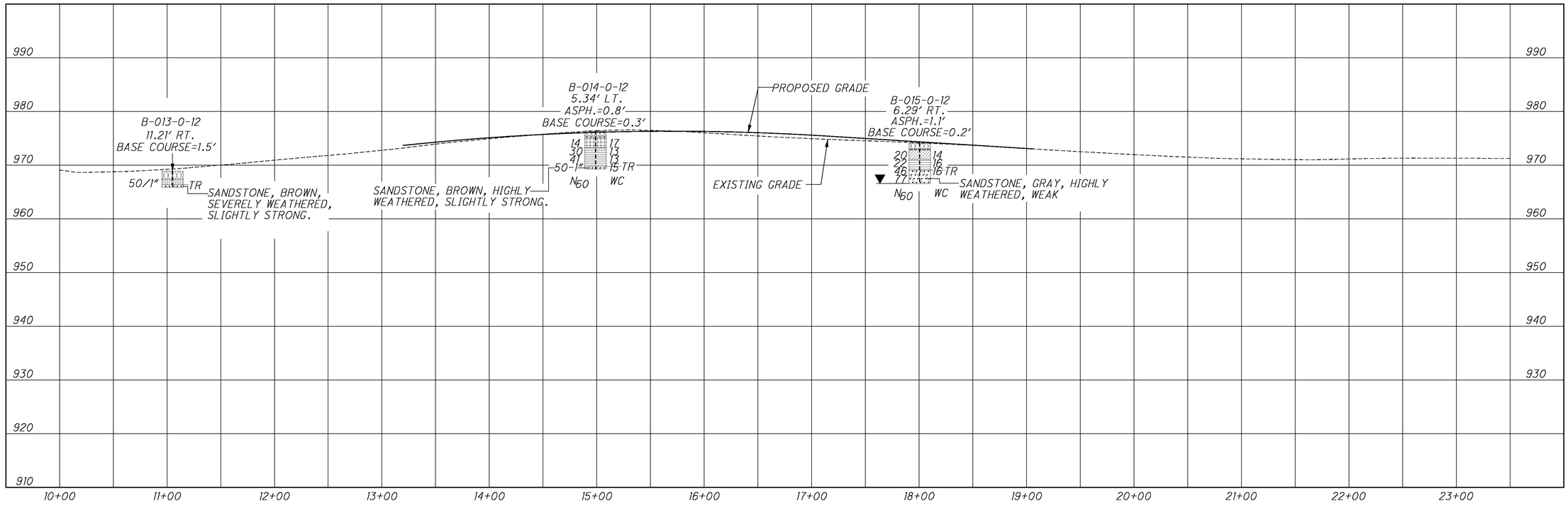
5
6



PAVEMENT CORE SUMMARY

CORE ID	LOCATION	ASPHALT (INCHES)	BASE (INCHES)
X-016-0-12	18+99.95, 4.99′ RT.	13.5	3
X-016-1-12	19+00.68, 10.06′ RT.	5.5	8

NOTE:
FOR SOIL PROFILE FOR S.R.57, SEE SHEET NO. 3 & 4.
FOR SOIL PROFILE FOR S.R.252, SEE SHEET NO. 5.



HORIZONTAL SCALE IN FEET
0 50 100

DRAWN N.K.S.
CHECKED SM

SOIL PROFILE - CR 65
STA. 10+00.00 TO STA. 23+50.00

MED-57-17.52

6
6