

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

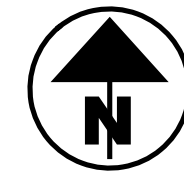
HAM-75-1.95

CITY OF CINCINNATI
HAMILTON COUNTY



LOCATION MAP

LATITUDE: 39°07'30" N LONGITUDE: 84°32'10" W



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

DESIGN DESIGNATION

SEE SHEET P.2

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

INDEX OF SHEETS:

SEE SHEET P.2

FEDERAL PROJECT NUMBER

E210(239)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

RECONSTRUCT AND WIDEN I-75 FROM JUST NORTH OF THE FINDLAY ST. OVERPASS TO JUST SOUTH OF THE MARSHALL ST. OVERPASS. PROJECT INCLUDES THE RECONSTRUCTION OF THE WESTERN HILLS VIADUCT INTERCHANGE THAT WILL CONNECT THE NEW WESTERN HILLS VIADUCT (WHV) TO I-75. THE WHV PROJECT IS BEING DEVELOPED AND CONSTRUCTED BY THE CITY OF CINCINNATI UNDER PID 105349.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 SPECIFICATIONS

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

STAGE 1

JUNE 21, 2024

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig



OHIO 811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:



Evans, Mechwart, Hamilton & Tillon, Inc.
Engineers • Surveyors • Planners • Scientists
5500 New Albany Road, Columbus, OH 43054
Phone: 614.775.4300 Toll Free: 888.775.3548
emht.com

ENGINEER'S SEAL:

SIGNED: _____
DATE: _____

ENGINEER'S SEAL:

SIGNED: _____
DATE: _____

	STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY

TITLE SHEET

DESIGN AGENCY	EMHT
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET TOTAL	P.1 463

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DESIGN DESIGNATION

HAM-75-1.95 Design Designation

	<u>I-75</u>	<u>WESTERN HILLS VIADUCT</u>	<u>WINCHELL AVE</u>	<u>BANK STREET</u>	<u>HARRISON AVE</u>	<u>CONNECTOR</u>
BUILD YEAR ADT (2029)	164,850	22,900	600	6,350	3,950	1,300
DESIGN YEAR ADT (2049)	189,800	23,350	750	6,700	4,400	1,400
DESIGN HOURLY VOLUME (2049)	17,950	2,010	140	640	390	120
DIRECTIONAL DISTRIBUTION	52%	53%	100%	60%	60%	100%
TRUCKS (24 HOUR B&C)	16%	11%	8%	21%	3%	3%
T	9%	8%	1%	15%	1%	14%
DESIGN SPEED	55 MPH	35 MPH	35 MPH	25 MPH	35 MPH	25 MPH
LEGAL SPEED	55 MPH	35 MPH	35 MPH	25 MPH	35 MPH	25 MPH
DESIGN CLASSIFICATION	01 INTERSTATE - URBAN	03 URBAN PRINCIPAL ARTERIAL	07 URBAN LOCAL	04 URBAN MINOR ARTERIAL	05 URBAN MAJOR COLLECTOR	URBAN LOCAL
NHS PROJECT	YES	YES	YES	YES	YES	YES



CURVE 1
P.I. = STA. 114+25.91
 $\Delta = 35^{\circ}12'18''$ RT
Dc = 02'45'00"
R = 2,083.48'
T = 661.02'
L = 1,280.18'
E = 102.35'
Emax = 0.048

CURVE A1
P.I. = STA. 502+11.74
 $\Delta = 16^{\circ}49'04''$ RT
Dc = 04'00'00"
R = 1,432.39'
T = 211.74'
L = 420.44'
E = 15.57'
Emax = 0.052

CURVE B1
P.I. = STA. 9+33.35
 $\Delta = 06^{\circ}53'09''$ RT
Dc = 02'35'06"
R = 2,216.45'
T = 133.35'
L = 266.37'
E = 4.01'
Emax = 0.042

CURVE G1
P.I. = STA. 503+38.00
 $\Delta = 06^{\circ}27'30''$ RT
Dc = 03'00'00"
R = 1,909.86'
T = 107.75'
L = 215.28'
E = 3.04'
Emax = NC

CURVE G3
P.I. = STA. 511+88.54
 $\Delta = 15^{\circ}00'00''$ RT
Dc = 02'30'00"
R = 2,291.83'
T = 301.73'
L = 600'
E = 19.78'
Emax = 0.040

CURVE G5
P.I. = STA. 527+73.51
 $\Delta = 05^{\circ}25'15''$ RT
Dc = 02'45'00"
R = 2,083.48'
T = 98.64'
L = 197.12'
E = 2.33'
Emax = 0.042

CURVE W1
P.I. = STA. 6+43.36
 $\Delta = 06^{\circ}17'27''$ RT
Dc = 01'30'01"
R = 3,819.21'
T = 209.88'
L = 419.33'
E = 5.76'
Emax = NC

CURVE D1
P.I. = STA. 304+56.40
 $\Delta = 08^{\circ}44'49''$ RT
Dc = 03'00'00"
R = 1,909.86'
T = 146.06'
L = 291.56'
E = 5.58'
Emax = 0.045

CURVE A2
P.I. = STA. 506+73.29
 $\Delta = 02^{\circ}53'21''$ LT
Dc = 01'30'00"
R = 3,819.72'
T = 96.32'
L = 192.60'
E = 1.21'
Emax = 0.028

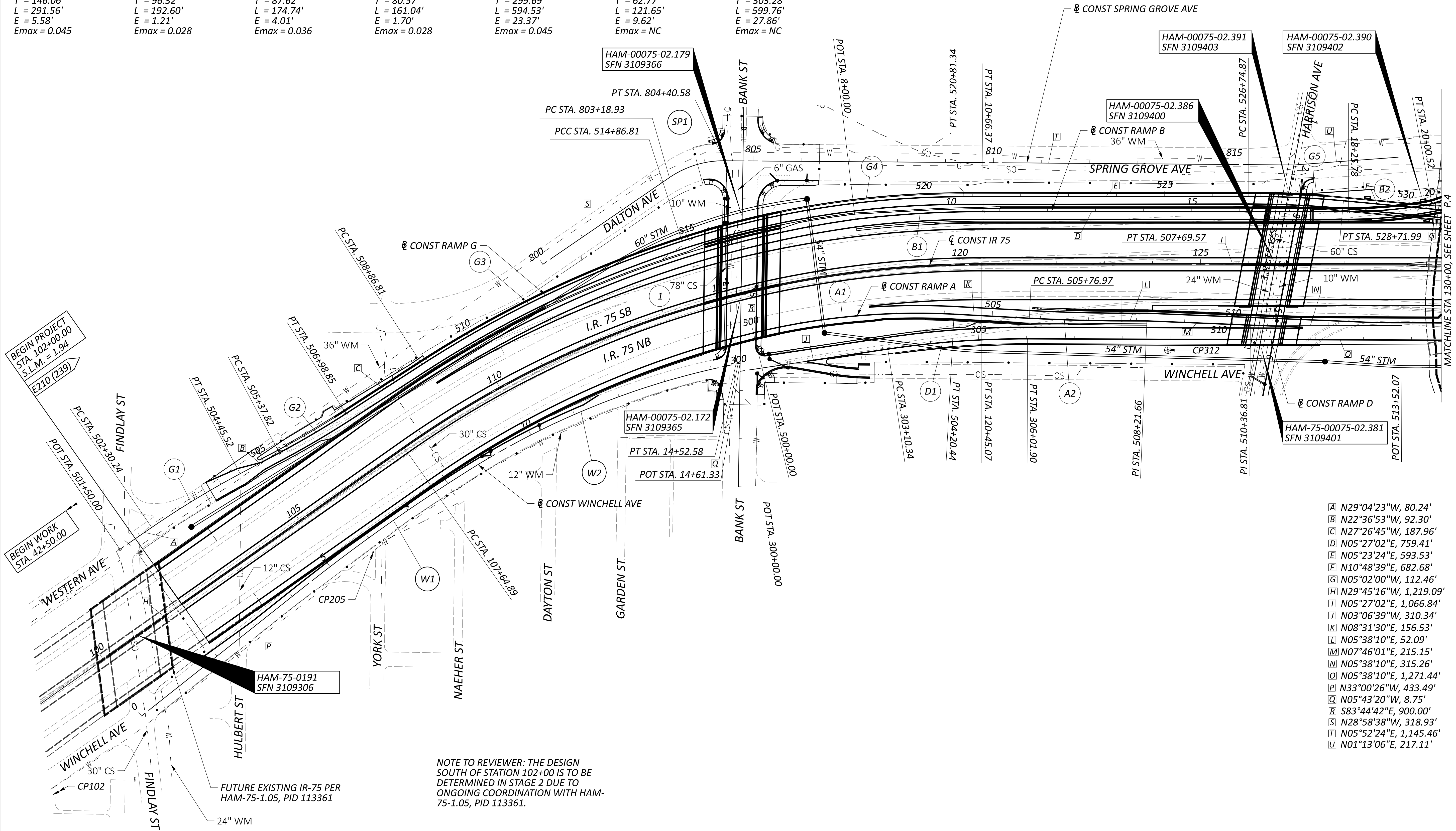
CURVE B2
P.I. = STA. 19+13.40
 $\Delta = 10^{\circ}29'02''$ LT
Dc = 05'59'58"
R = 955.00'
T = 87.62'
L = 174.74'
E = 4.01'
Emax = 0.036

CURVE G2
P.I. = STA. 506+18.38
 $\Delta = 04^{\circ}49'52''$ LT
Dc = 03'00'00"
R = 1,909.86'
T = 80.57'
L = 161.04'
E = 1.70'
Emax = 0.028

CURVE G4
P.I. = STA. 517+86.50
 $\Delta = 17^{\circ}50'09''$ RT
Dc = 03'00'00"
R = 1,909.86'
T = 299.69'
L = 594.53'
E = 23.37'
Emax = 0.045

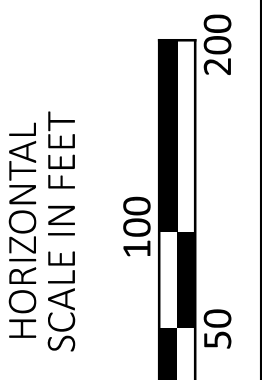
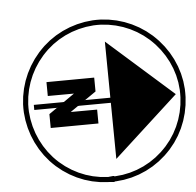
CURVE SP1
P.I. = STA. 803+81.70
 $\Delta = 34^{\circ}51'02''$ RT
Dc = 28'38'52"
R = 200.00'
T = 62.77'
L = 121.65'
E = 9.62'
Emax = NC

CURVE W2
P.I. = STA. 11+56.10
 $\Delta = 20^{\circ}59'39''$ RT
Dc = 03'30'02"
R = 1,636.82'
T = 303.28'
L = 599.76'
E = 27.86'
Emax = NC



- A N29°04'23"W, 80.24'
- B N22°36'53"W, 92.30'
- C N27°26'45"W, 187.96'
- D N05°27'02"E, 759.41'
- E N05°23'24"E, 593.53'
- F N10°48'39"E, 682.68'
- G N05°02'00"W, 112.46'
- H N29°45'16"W, 1,219.09'
- I N05°27'02"E, 1,066.84'
- J N03°06'39"W, 310.34'
- K N08°31'30"E, 156.53'
- L N05°38'10"E, 52.09'
- M N07°46'01"E, 215.15'
- N N05°38'10"E, 315.26'
- O N05°38'10"E, 1,271.44'
- P N33°00'26"W, 433.49'
- Q N05°43'20"W, 8.75'
- R S83°44'42"E, 900.00'
- S N28°58'38"W, 318.93'
- T N05°52'24"E, 1,145.46'
- U N01°13'06"E, 217.11'

NOTE TO REVIEWER: THE DESIGN SOUTH OF STATION 102+00 IS TO BE DETERMINED IN STAGE 2 DUE TO ONGOING COORDINATION WITH HAM-75-1.05, PID 113361.

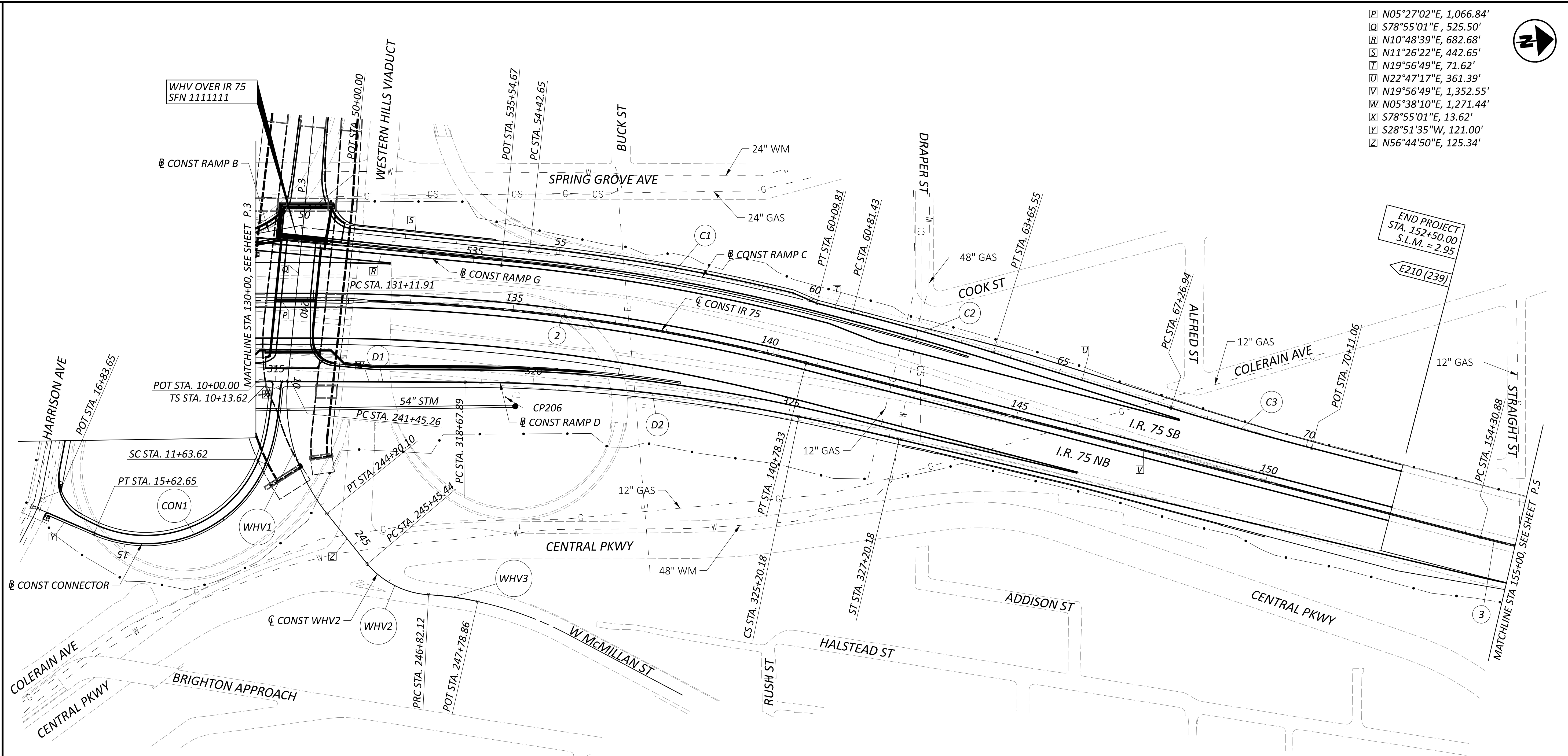


SCHEMATIC PLAN

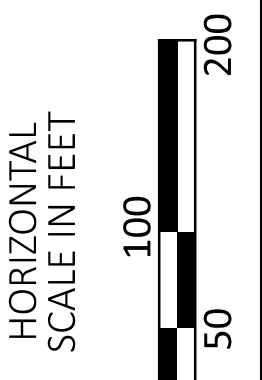
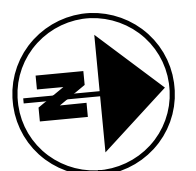
DESIGN AGENCY



DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	P.3
TOTAL	463



- ▣ N05°27'02"E, 1,066.84'
- ▣ S78°55'01"E, 525.50'
- ▣ N10°48'39"E, 682.68'
- ▣ N11°26'22"E, 442.65'
- ▣ N19°56'49"E, 71.62'
- ▣ N22°47'17"E, 361.39'
- ▣ N19°56'49"E, 1,352.55'
- ▣ N05°38'10"E, 1,271.44'
- ▣ S78°55'01"E, 13.62'
- ▣ S28°51'35"W, 121.00'
- ▣ N56°44'50"E, 125.34'



<p>CURVE 2 P.I. = STA. 135+97.72 $\Delta = 14^\circ 29' 47''$ RT Dc = 01°30'00" R = 3,819.72' T = 485.81' L = 966.42' E = 30.77' Emax = 0.032</p>	<p>CURVE C1 P.I. = STA. 57+26.75 $\Delta = 08^\circ 30' 27''$ RT Dc = 01°30'00" R = 3,819.72' T = 284.1' L = 567.16' E = 10.55' Emax = 0.028</p>	<p>CURVE D2 P.I. = STA. 321+95.12 $\Delta = 11^\circ 24' 54''$ RT Dc = 01°45'00" R = 3,274.05' Ls = 200.00' $\Delta s = 01^\circ 45' 00''$ LT = 133.34' ST = 66.67' x = 199.95' y = 4.07' k = 100.00' p = 0.51' Lc = 652.29' T = 327.23' E = 16.31' Emax = 0.032</p>	<p>CURVE WHV1 P.I. = STA. 242+89.97 $\Delta = 44^\circ 18' 21''$ LT Dc = 16°07'13" R = 355.43' T = 144.71' L = 274.85' E = 28.33' Emax = NA</p>	<p>CURVE CON1 P.I. = STA. 14+18.83 $\Delta = 90^\circ 43' 28''$ RT Dc = 22°44'11" R = 252.00' $\Delta s Ls = 150.00'$ $\Delta s = 17^\circ 03' 08''$ LT = 100.47' ST = 50.43' x = 148.68' y = 14.79' k = 74.78' p = 3.71' Lc = 399.03' T = 255.21' E = 106.66' Emax = 0.053</p>
<p>CURVE 3 P.I. = STA. 163+68.90 $\Delta = 36^\circ 15' 37''$ LT Dc = 02°00'00" R = 2,864.79' T = 938.02' L = 1,813.01' E = 149.66' Emax = 0.030</p>	<p>CURVE C2 P.I. = STA. 62+23.52 $\Delta = 02^\circ 50' 28''$ RT Dc = 01°00'00" R = 5,729.58' T = 142.09' L = 284.12' E = 1.76' Emax = 0.020</p>	<p>CURVE WHV2 P.I. = STA. 246+17.72 $\Delta = 46^\circ 03' 54''$ LT Dc = 33°42'12" R = 170.00' T = 72.27' L = 136.68' E = 14.73' Emax = NA</p>	<p>CURVE WHV3 P.I. = STA. 247+30.61 $\Delta = 10^\circ 06' 52''$ RT Dc = 10°27'19" R = 548.00' T = 48.5' L = 96.74' E = 2.14' Emax = NA</p>	<p>CURVE C3 P.I. = STA. 68+69.03 $\Delta = 02^\circ 50' 28''$ LT Dc = 01°00'00" R = 5,729.58' T = 142.09' L = 284.12' E = 1.76' Emax = 0.020</p>

SCHEMATIC PLAN

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

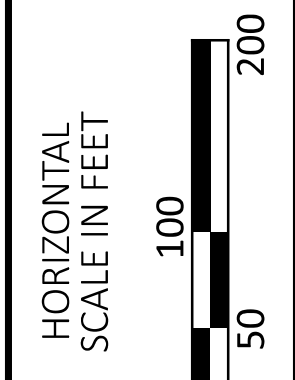
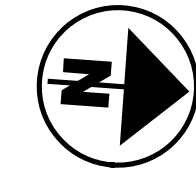
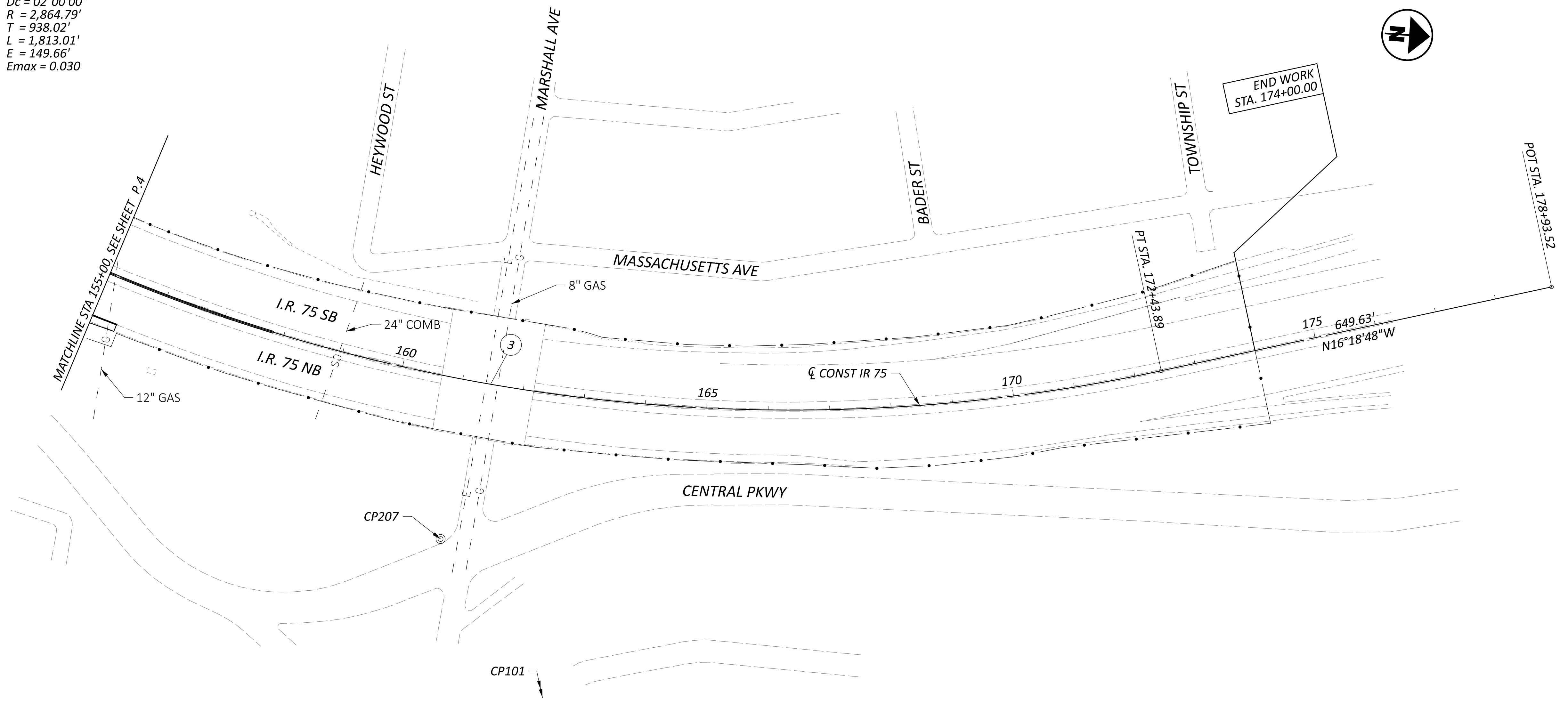
PROJECT ID

114161

SHEET TOTAL

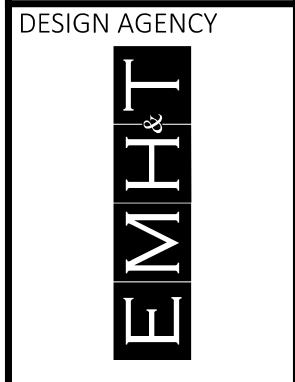
P.4 463

CURVE 3
 P.I. = STA. 163+68.90
 $\Delta = 36^{\circ}15'37''$ LT
 $D_c = 02^{\circ}00'00''$
 $R = 2,864.79'$
 $T = 938.02'$
 $L = 1,813.01'$
 $E = 149.66'$
 $E_{max} = 0.030$



SCHMATIC PLAN

POINT	NORTHING (GRID)	EASTING (GRID)	NORTHING (GROUND)	EASTING (GROUND)	ELEVATION	DESCRIPTION
CP101	419139.6036	1393339.1403	419159.7286	1393439.2867	641.798	CITY OF CINCINNATI CONCRETE MONUMENT 6926, NGS JZ3575
CP102	412662.2368	1392153.2535	412691.8970	1392253.3148	504.023	CITY OF CINCINNATI CONCRETE MONUMENT 350, NGS JZ0672
CP205	413546.3661	1391530.0429	413576.0898	1391630.0594	506.504	175-171 SET 2010 CONCRETE MONUMENT #16
CP206	416278.0365	1391378.5557	416307.9566	1391478.5613	508.784	175-171 SET 2010 CONCRETE MONUMENT #17
CP207	418768.6889	1392243.7779	418798.7880	1392343.8457	539.525	CITY OF CINCINNATI CONCRETE MONUMENT 349
CP312	415230.7875	1391267.9939	415260.6323	1391367.9915	501.220	CAPPED OHIO DEPARTMENT OF TRANSPORTATION WOOLPERT INC PROJECT CONTROL, 206



DESIGNER
SJB

REVIEWER
MJR 06/21/24

PROJECT ID
114161

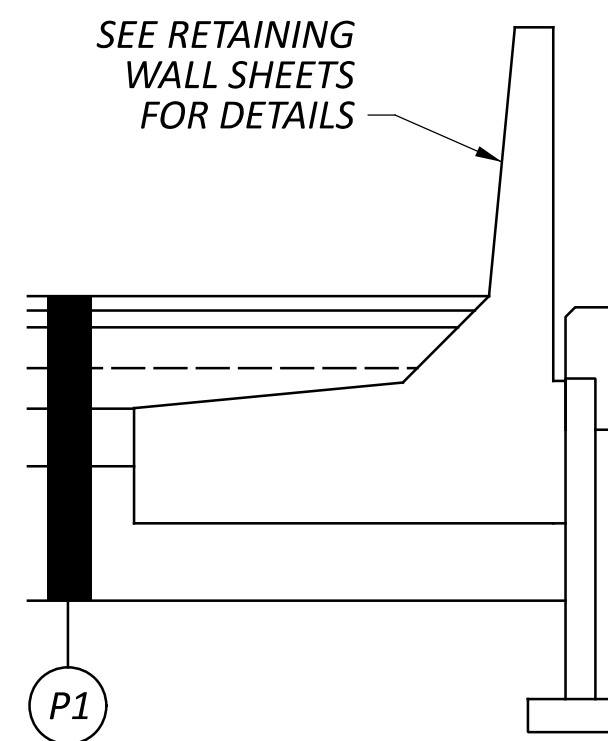
SHEET TOTAL
P.5 463

EXISTING LEGEND

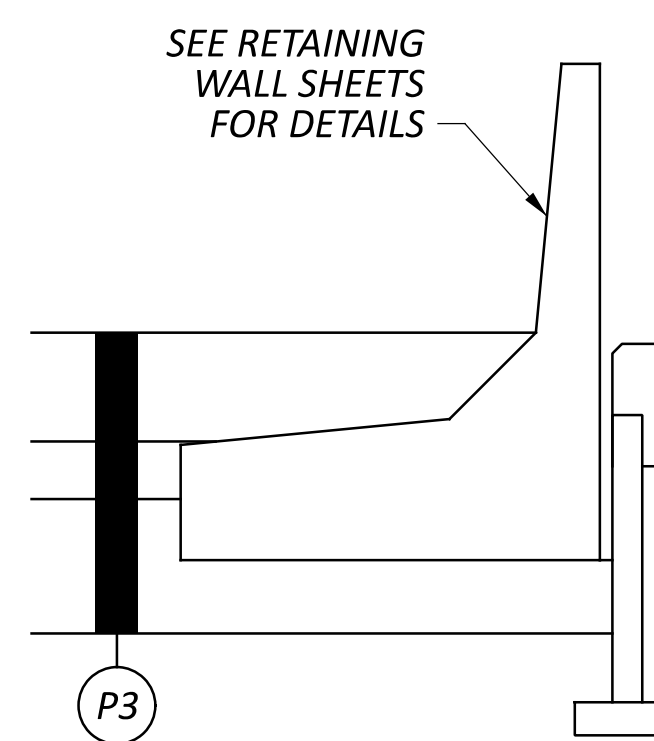
- (A) EXISTING 3"± ASPHALT CONCRETE
- (B) EXISTING 5-1/2"± ASPHALT CONCRETE
- (C) EXISTING 9"± REINFORCED CONCRETE PAVEMENT
- (D) EXISTING 10"± REINFORCED CONCRETE PAVEMENT
- (E) EXISTING 6"± AGGREGATE BASE
- (F) EXISTING CURB
- (G) EXISTING 13"± ASPHALT CONCRETE

PROPOSED LEGEND

- * (1) ITEM 442 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (447)
- * (2) ITEM 442 - 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5MM, TYPE A (446)
- (3) ITEM 452 - 11-1/2" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA
- (4) ITEM 305 - 9" CONCRETE BASE, CLASS QC 1P WITH QC/QA
- (5) ITEM 407 - NON-TRACKING TACK COAT
- (6) ITEM 302 - 8-1/2" ASPHALT CONCRETE BASE, (449), (PLACED IN 2 - 4-1/4" LIFTS)
- (7) ITEM 609 - 4" CONCRETE MEDIAN
- (8) ITEM 304 - 6" AGGREGATE BASE
- (9) ITEM 608 - 5" CONCRETE WALK
- (10) ITEM 254 - 1-1/2" PAVEMENT PLANING, ASPHALT CONCRETE
- (11) ITEM 206 - 14" CEMENT STABILIZED SUBGRADE
- (12) ITEM 526 - REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17"), AS PER PLAN
- (13) ITEM 204 - PROOF ROLLING
- (14) ITEM 204 - SUBGRADE COMPACTION
- (15) ITEM 254 - 3-1/4" PAVEMENT PLANING, ASPHALT CONCRETE
- (16) ITEM 659 - SEEDING AND MULCHING
- (17) ITEM 606 - GUARDRAIL, TYPE MGS
- (18) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1/C1
- (19) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C
- (20) ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D
- (21) ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)
- (22) ITEM 609 - CURB, TYPE 6
- (23) ITEM 609 - CURB, TYPE 4C
- (24) ITEM 601 - PAVED GUTTER, TYPE 1-2
- (25) ITEM 605 - 6" SHALLOW PIPE UNDERDRAINS (30" DEPTH)
- (26) ITEM 605 - 6" BASE PIPE UNDERDRAINS (18" DEPTH)

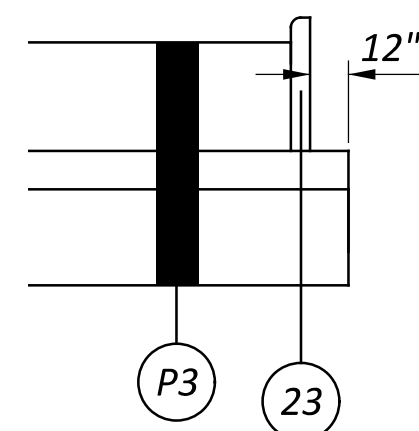


IR 75 PAVEMENT DETAIL WITH
MOMENT SLAB BARRIER AND
RETAINING WALL

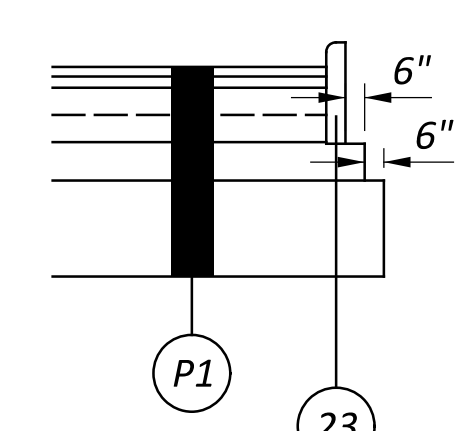


RAMP PAVEMENT DETAIL WITH
MOMENT SLAB BARRIER AND
RETAINING WALL

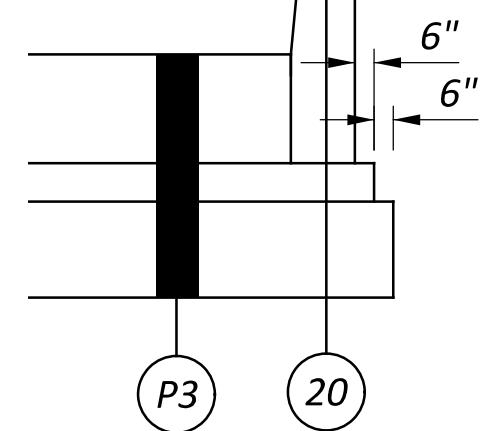
NOTE: CEMENT STABILIZED SUBGRADE
WILL NOT BE PERFORMED WITHIN THE
LIMITS OF THE SELECT GRANULAR BACKFILL
OF THE MSE WALLS. SEE RETAINING WALL
PLANS FOR LIMITS.



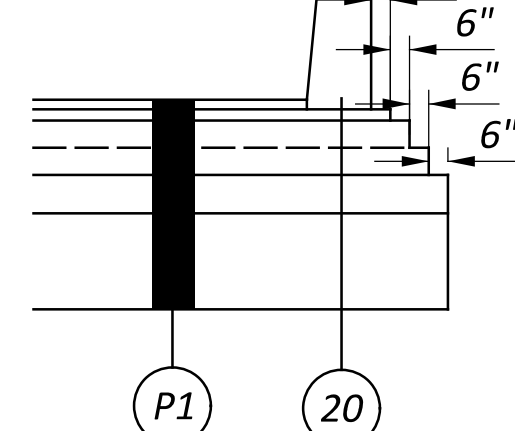
RAMP PAVEMENT STEP DETAIL
WITH CURB



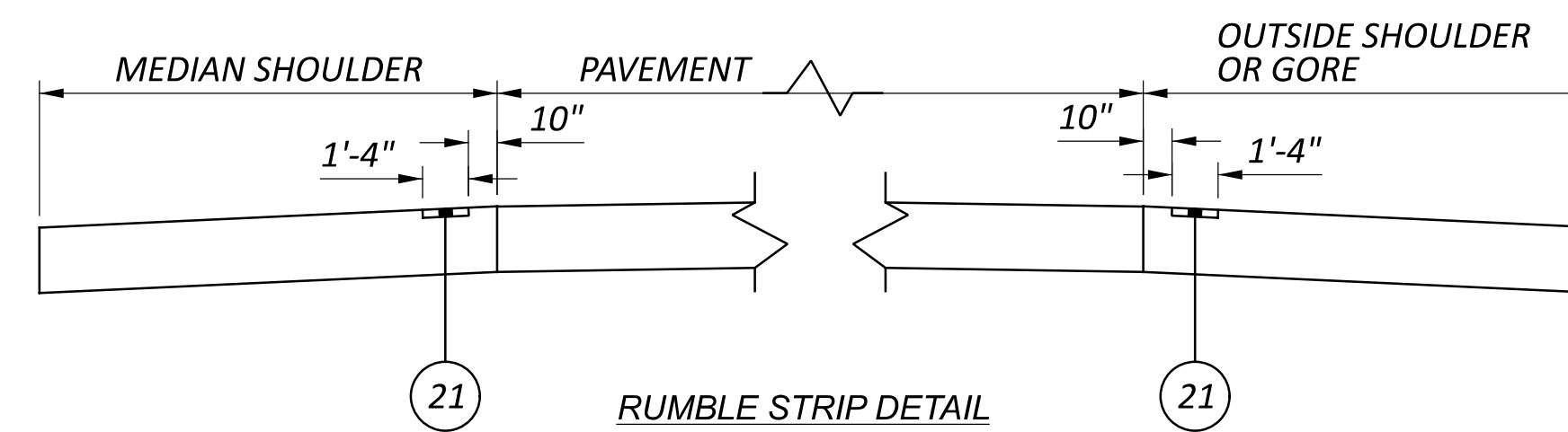
IR 75 PAVEMENT STEP DETAIL
WITH CURB



RAMP PAVEMENT STEP DETAIL WITH
TYPE D BARRIER



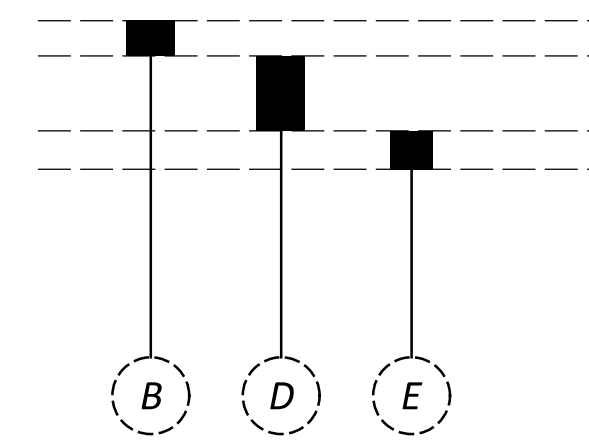
IR 75 PAVEMENT STEP DETAIL WITH
TYPE D BARRIER



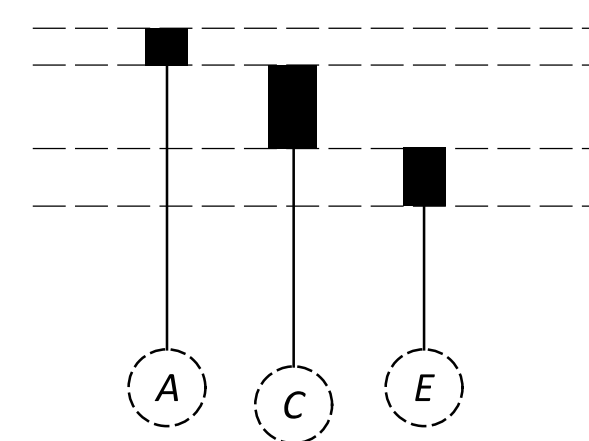
RUMBLE STRIP DETAIL

SEE SCD BP-9.1 AND GENERAL NOTES FOR MORE INFORMATION REGARDING
ITEM 618 - RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)

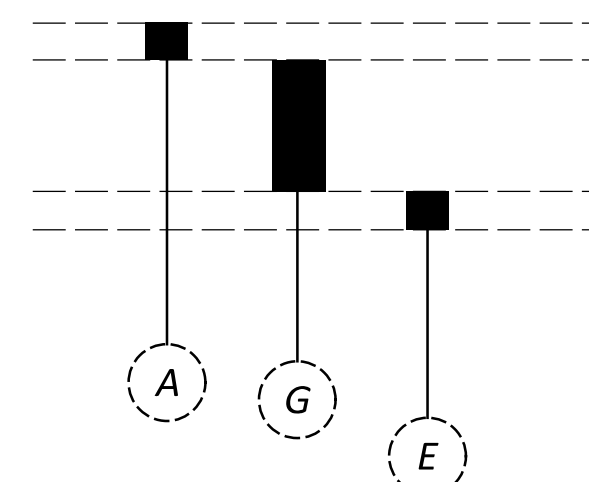
* ITEM 442 - ANTI-SEGREGATION EQUIPMENT



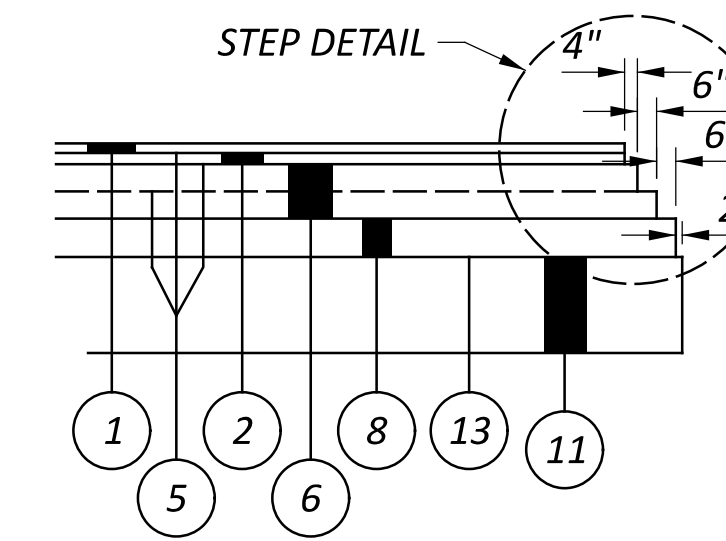
(E1) EXISTING PAVEMENT BUILDUP
IR-75 (BEGIN PROJECT)



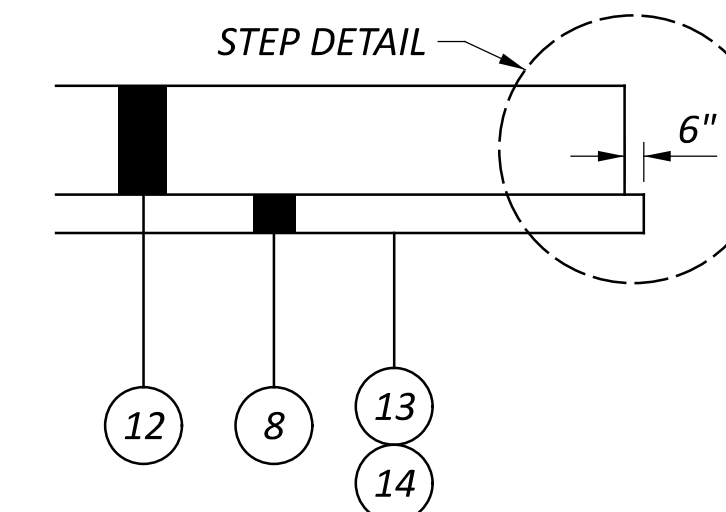
(E2) EXISTING PAVEMENT BUILDUP
LOCAL ROADS & RAMPS



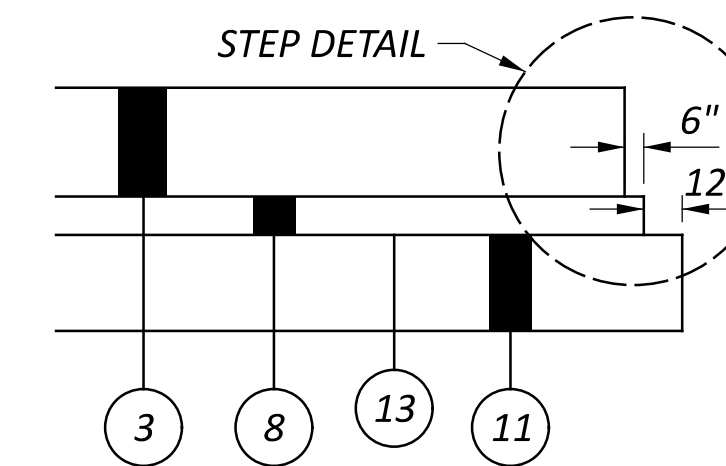
(E3) EXISTING PAVEMENT BUILDUP
IR 75 (END PROJECT)



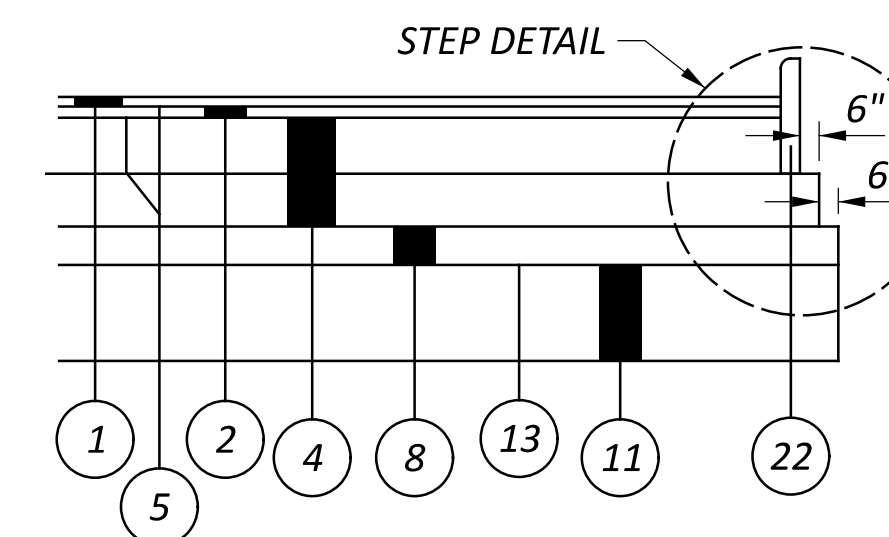
(P1) PROPOSED PAVEMENT BUILDUP
IR-75



(P2) PROPOSED PAVEMENT BUILDUP
(APPROACH SLAB)

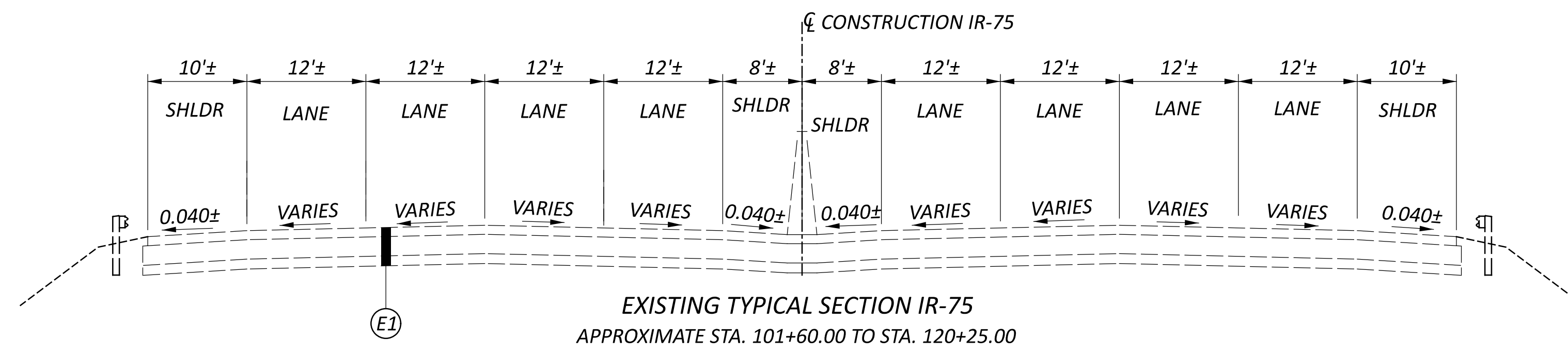
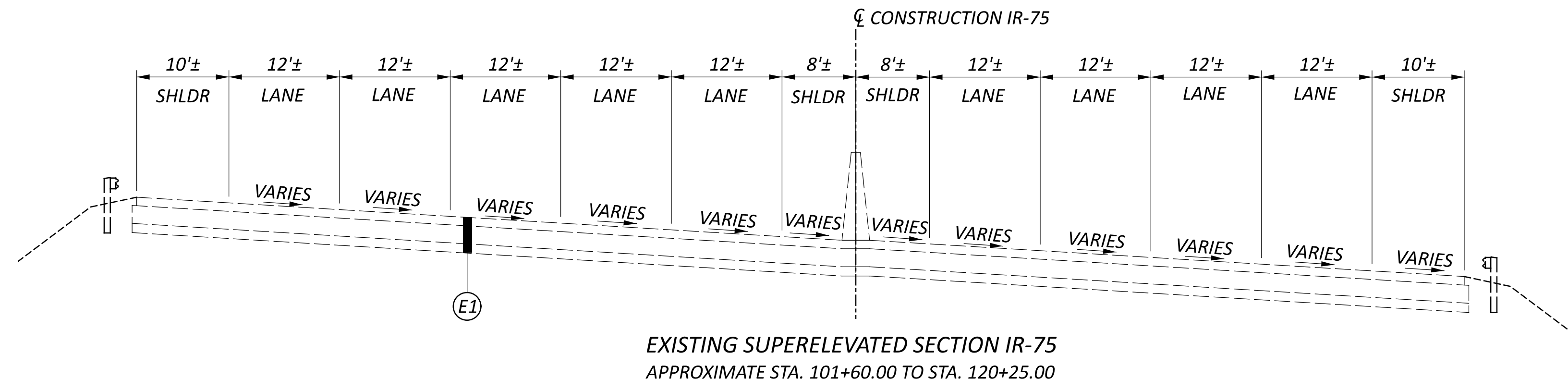


(P3) PROPOSED PAVEMENT BUILDUP
RAMPS

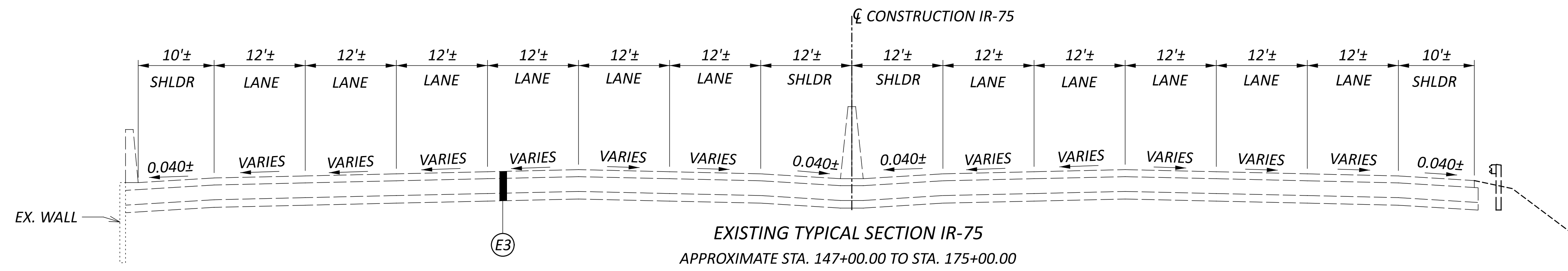


(P4) PROPOSED PAVEMENT BUILDUP
LOCAL ROADS

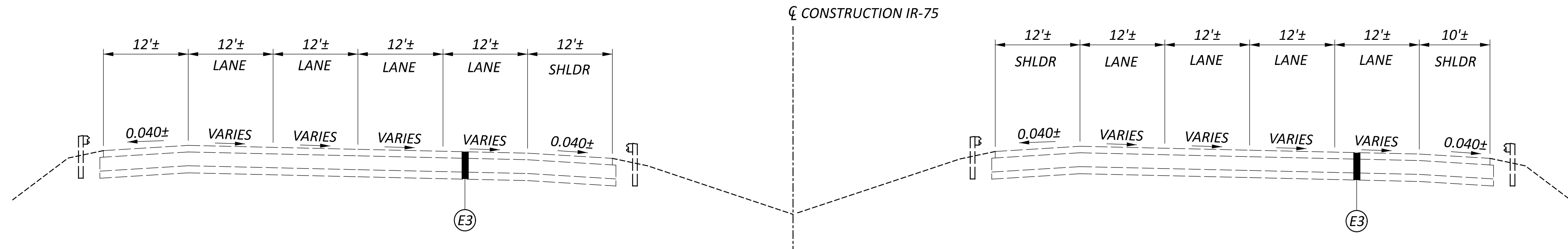
NOTE: PER SCOPE DESIGN IS DEPENDENT ON CERTIFIED TRAFFIC AND CONFIRMED WITH CITY



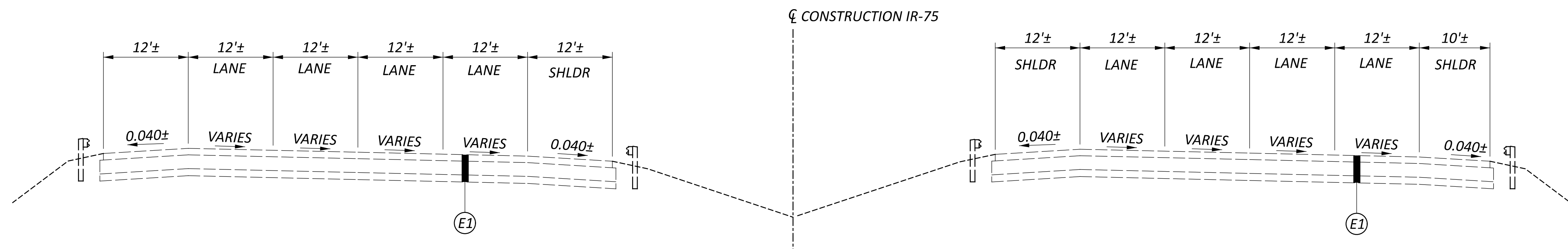
DESIGNER	SJB
REVIEWER	MJR 06-21-24
PROJECT ID	114161
SHEET	TOTAL
P.7	463



EXISTING TYPICAL SECTION IR-75
APPROXIMATE STA. 147+00.00 TO STA. 175+00.00

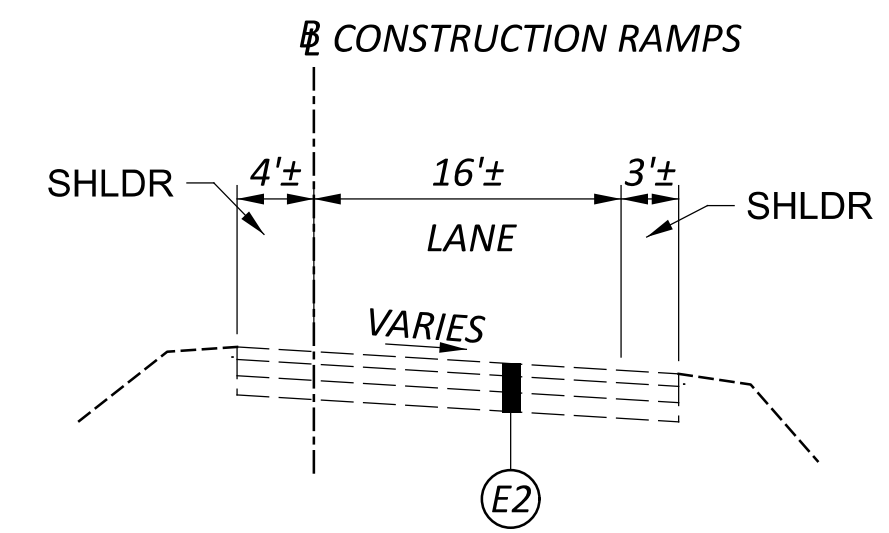
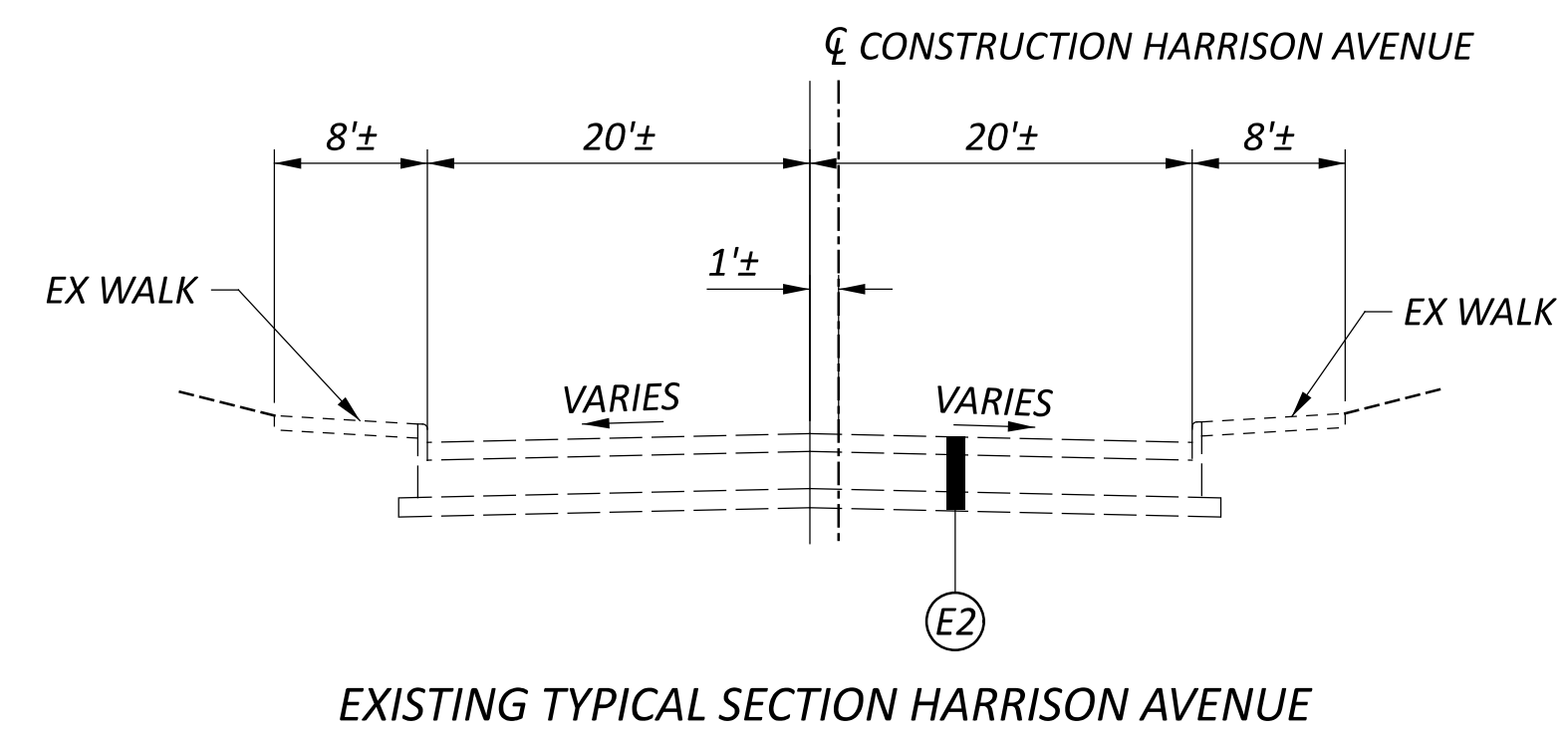
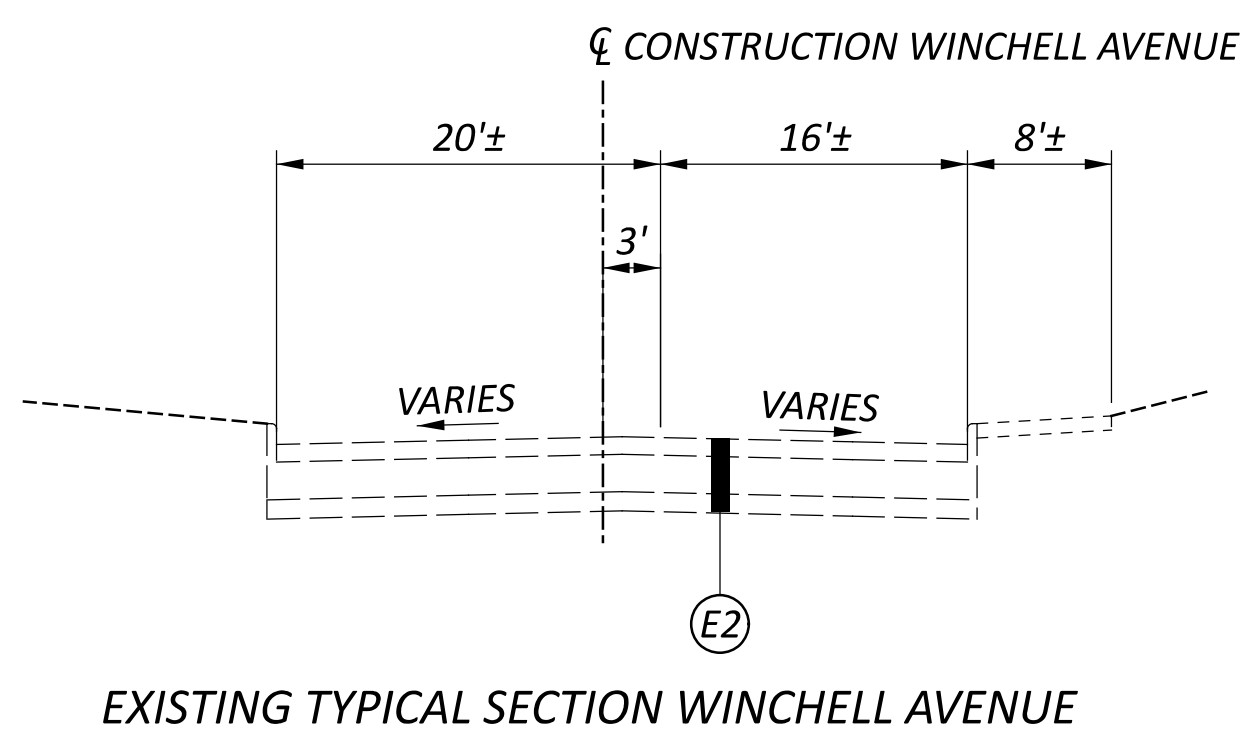
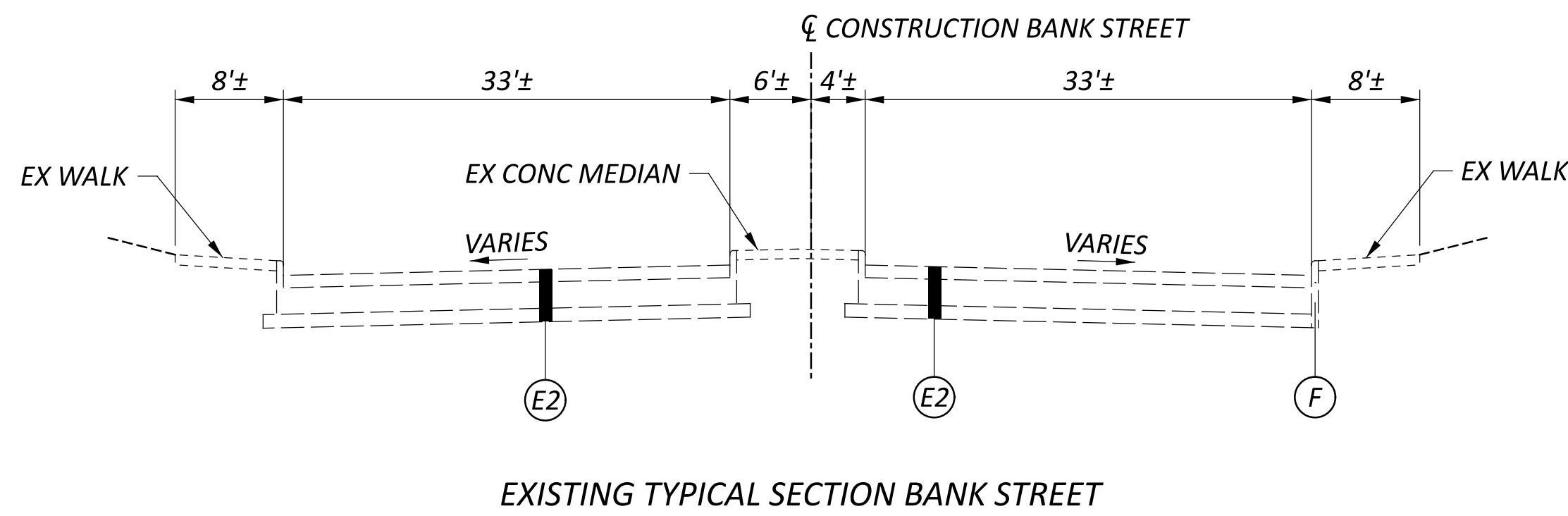


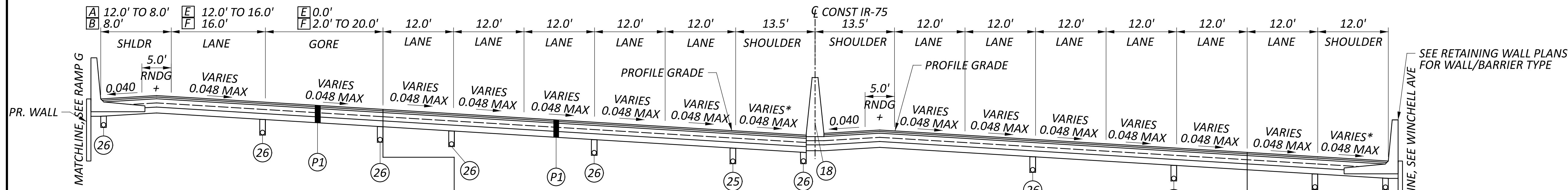
EXISTING TYPICAL SECTION IR-75
APPROXIMATE STA. 144+50.00 TO STA. 147+00.00



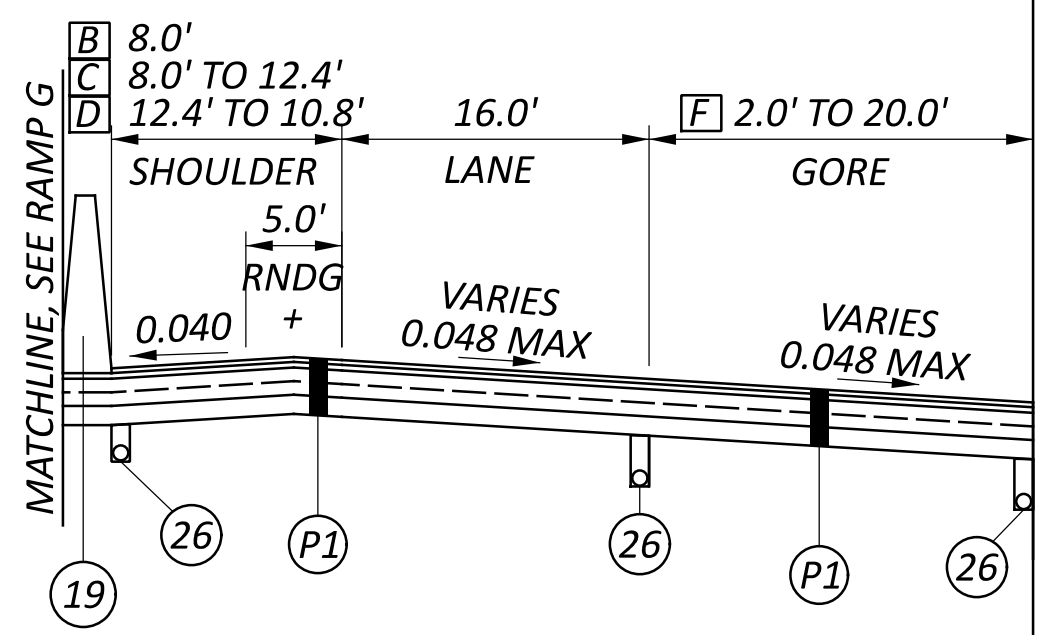
EXISTING TYPICAL SECTION IR-75
APPROXIMATE STA. 120+25.00 TO STA. 144+50.00



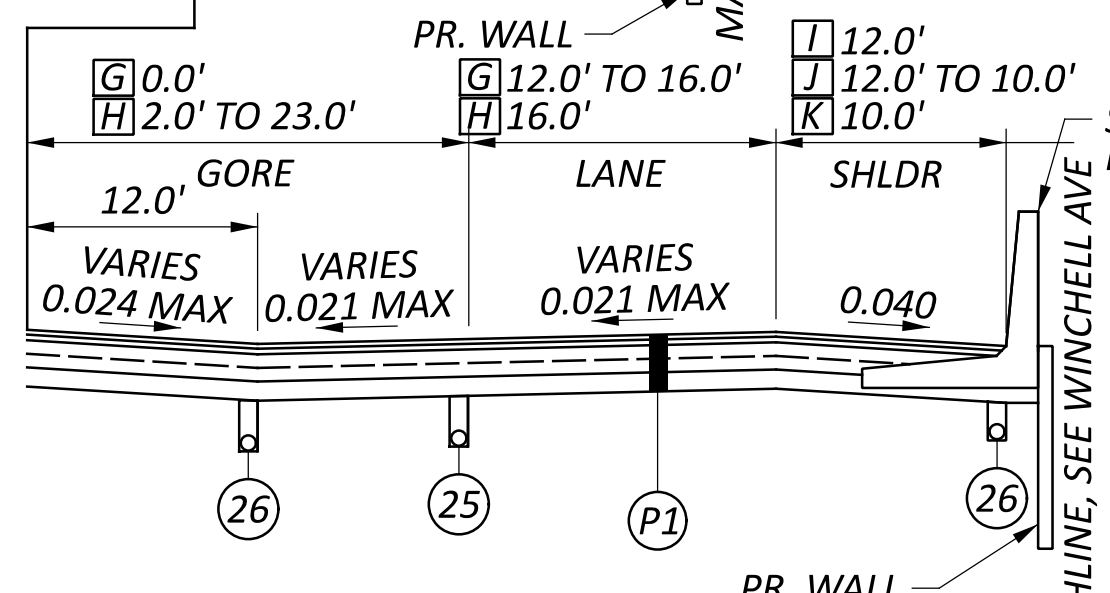




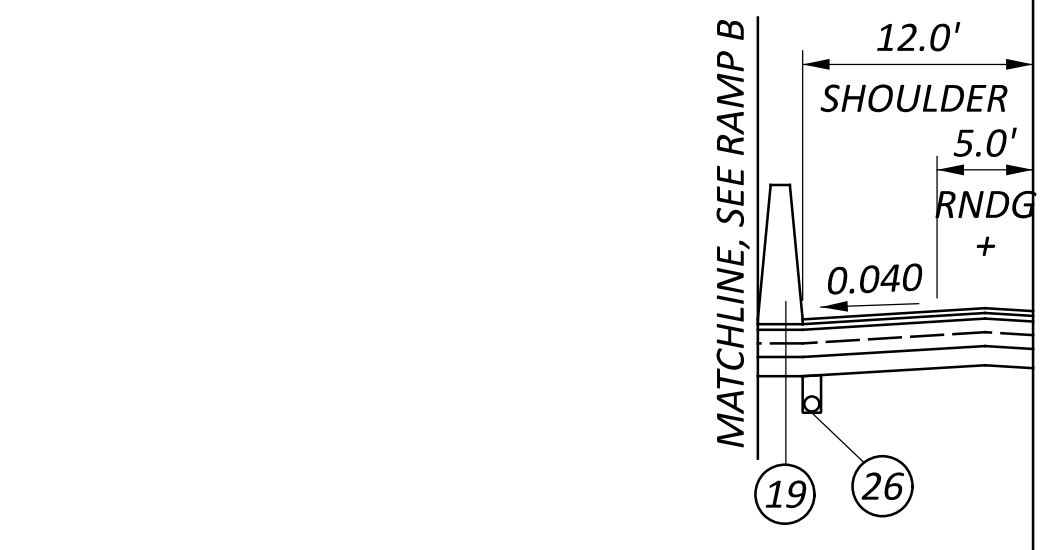
SUPERELEVATED SECTION IR-75
 STA. 105+86.94 TO STA. 114+59.64
 STA. 116+22.44 TO STA. 121+50.79



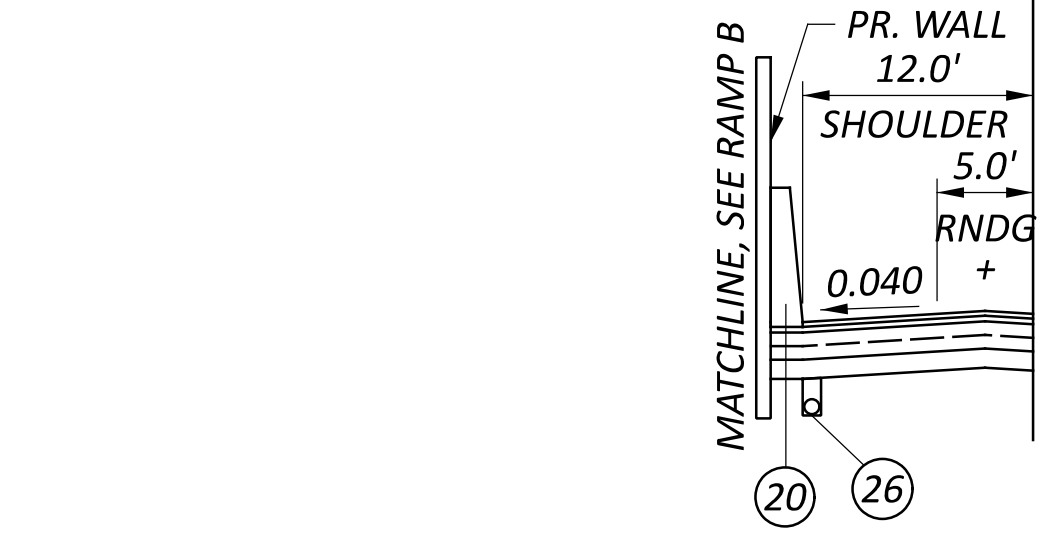
GORE SECTION IR-75
 STA. 111+52.98 TO STA. 114+59.64
 STA. 116+22.44 TO STA. 117+95.08



GORE SECTION IR-75
 STA. 116+22.44 TO STA. 121+50.79
 (RAMP DIVERGE BEGINS AT 115+45.32)

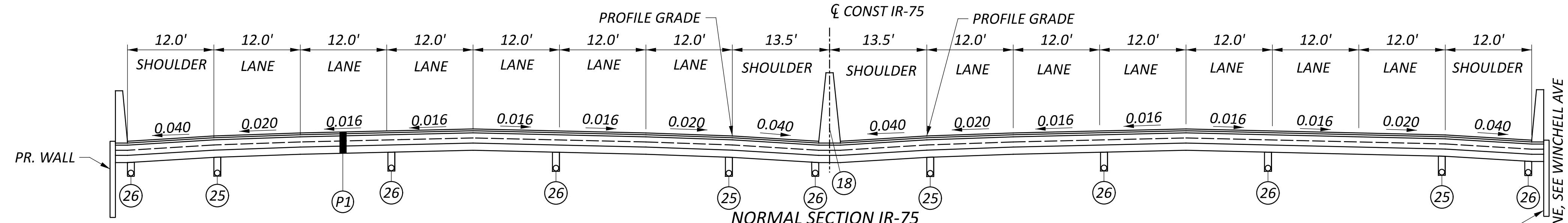


SHOULDER SECTION IR-75
 STA. 117+95.08 TO STA. 119+51.44



SHOULDER SECTION IR-75
 STA. 119+51.44 TO STA. 121+50.79

- A] STA. 105+86.94 TO STA. 107+96.14
- B] STA. 107+96.14 TO STA. 116+46.34
- C] STA. 116+46.34 TO STA. 116+84.08
- D] STA. 116+84.08 TO STA. 117+95.08
- E] STA. 105+86.94 TO STA. 108+94.12
- F] STA. 108+94.12 TO STA. 117+95.08
- G] STA. 115+45.32 TO STA. 118+02.96
- H] STA. 118+02.96 TO STA. 121+50.79
- I] STA. 116+22.44 TO STA. 118+02.96
- J] STA. 118+02.96 TO STA. 118+29.29
- K] STA. 118+29.29 TO STA. 121+50.79



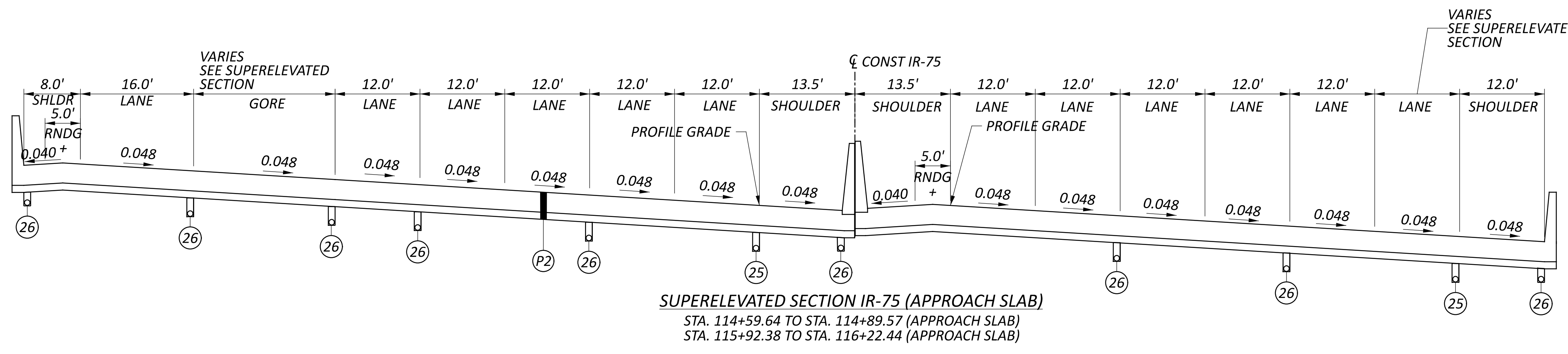
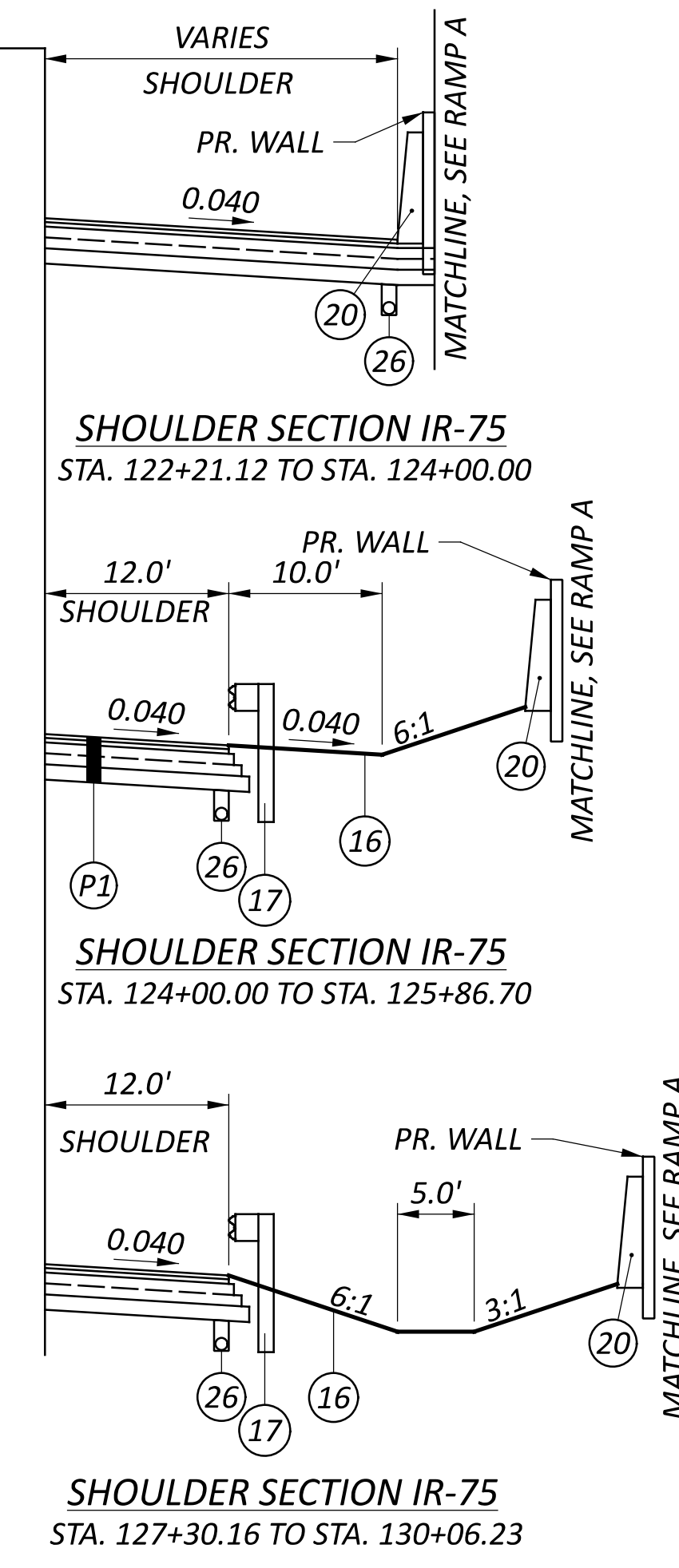
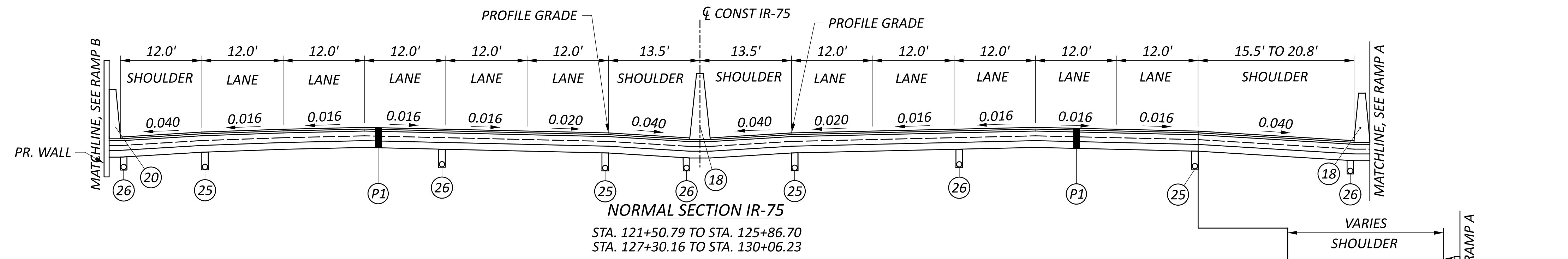
NORMAL SECTION IR-75
 STA. 102+00.00 TO STA. 105+86.94

NOTE: PAVEMENT MILL AND OVERLAY SOUTH OF STATION 102+00.00 TO BE DETERMINED WITH COORDINATION OF PID 113361

+ = 0.070 MAX GRADE BREAK
 * = 0.040 OR RATE OF SUPER IF GREATER
 NOTE: SEE SUPERELEVATION TABLE FOR ADDITIONAL INFORMATION AND TRANSITION RANGES
 FOR LEGEND SEE SHEET P.6

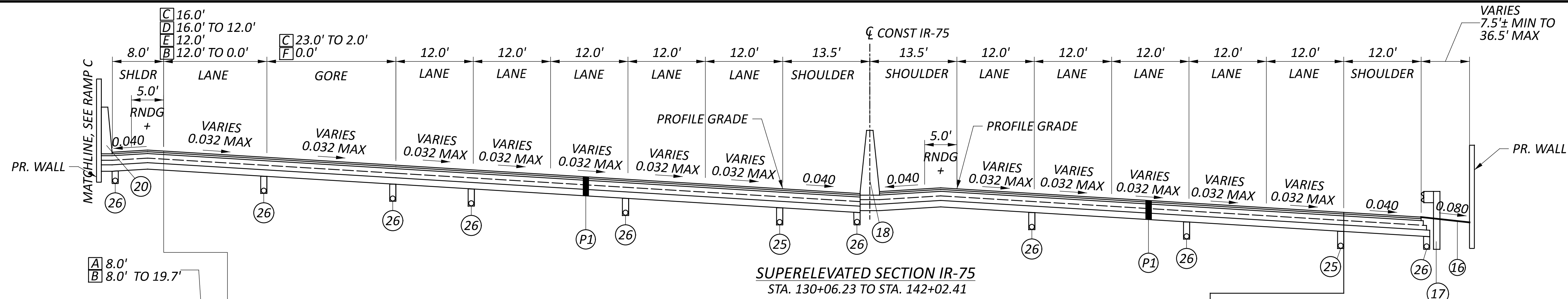
PROPOSED TYPICAL SECTION - IR 75

DESIGN AGENCY	EMHT
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET TOTAL	P.10 463

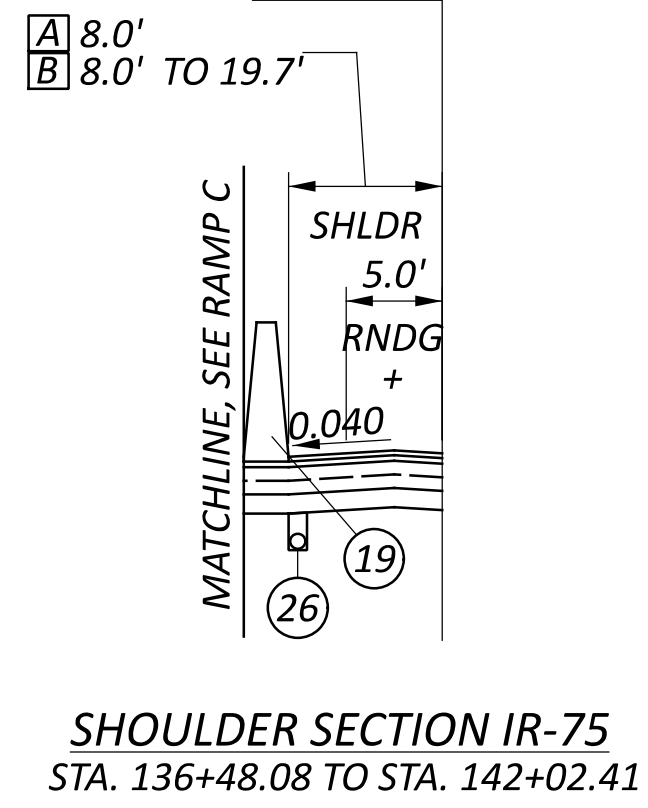


+ = 0.070 MAX GRADE BREAK
 * = 0.040 OR RATE OF SUPER IF GREATER
 NOTE: SEE SUPERELEVATION TABLE FOR ADDITIONAL INFORMATION AND TRANSITION RANGES
 FOR LEGEND SEE SHEET P.6

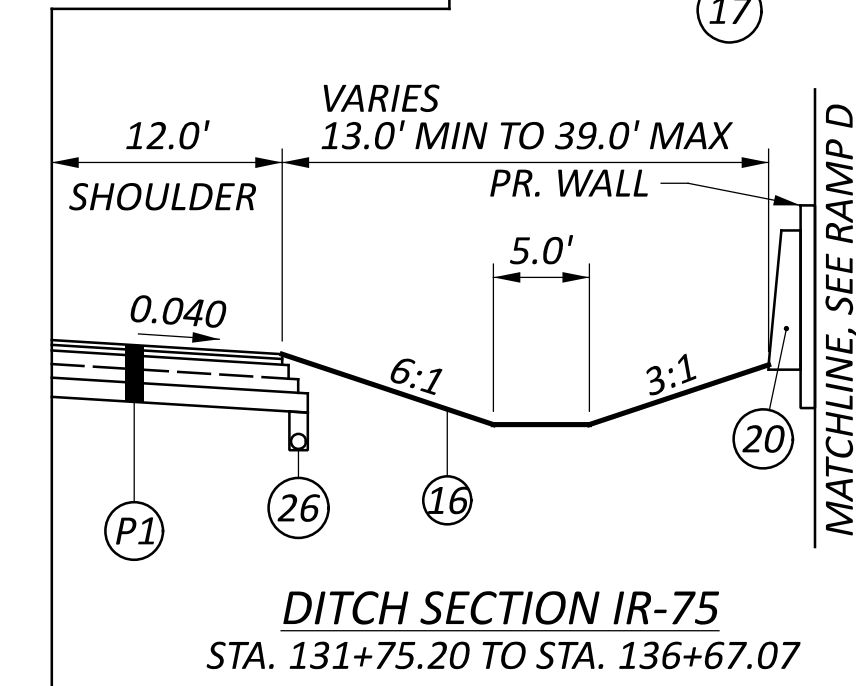
DESIGN AGENCY	
EMHT	
DESIGNER	
SJB	
REVIEWER	
MJR 06/21/24	
PROJECT ID	
114161	
SHEET	TOTAL
P.11	463



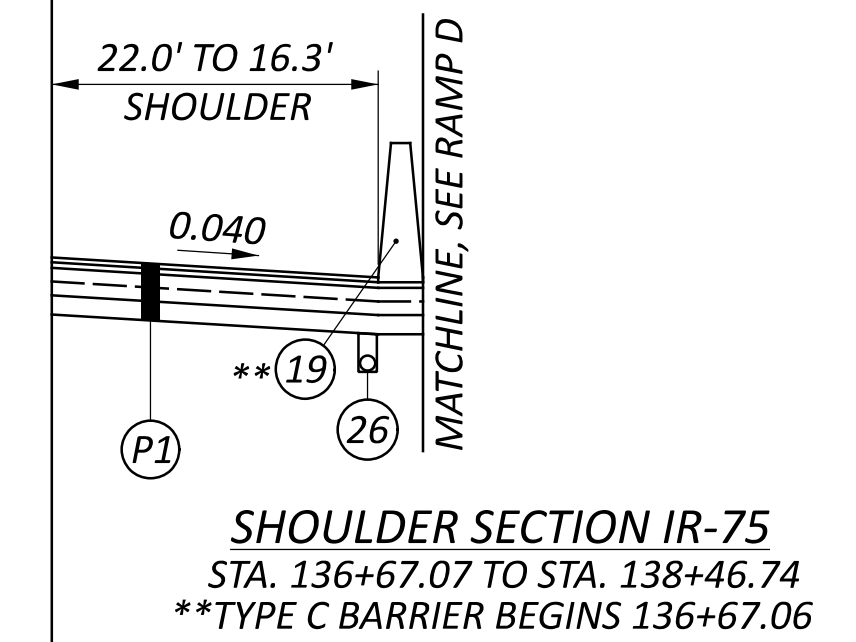
SUPERELEVATED SECTION IR-75
 STA. 130+06.23 TO STA. 142+02.41



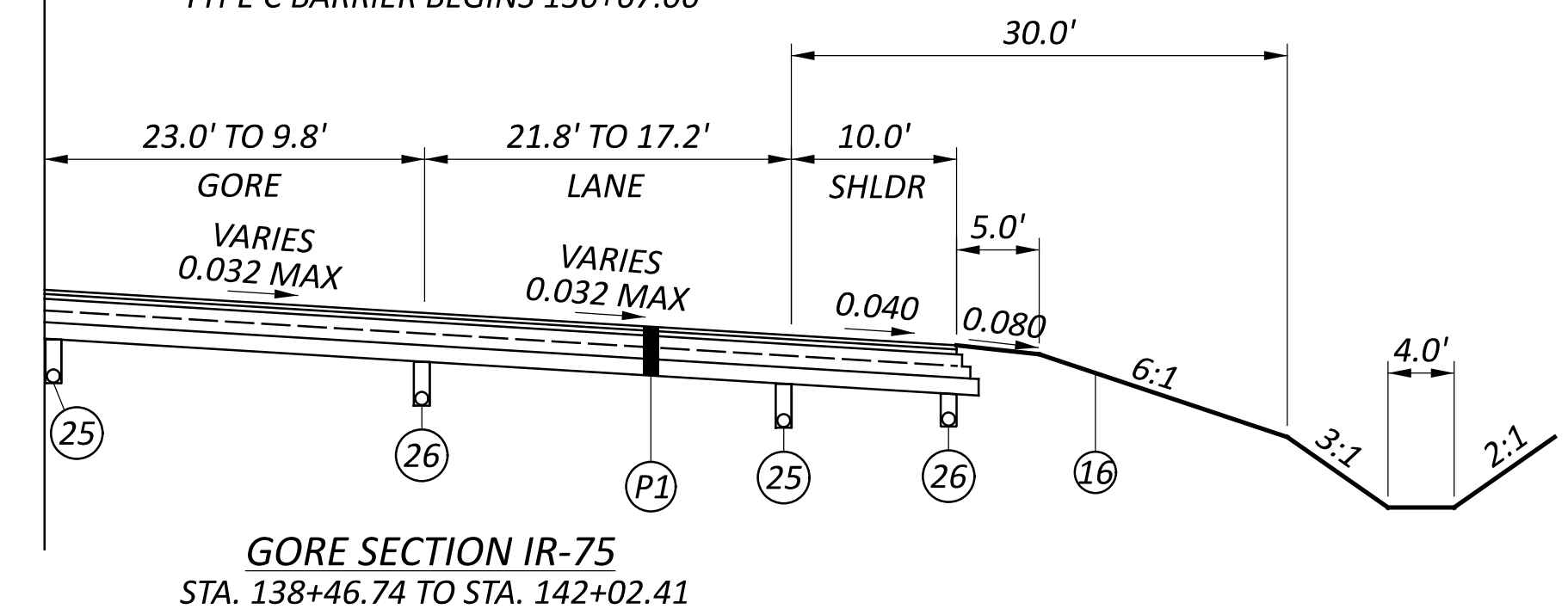
SHOULDER SECTION IR-75
 STA. 136+48.08 TO STA. 142+02.41



DITCH SECTION IR-75
 STA. 131+75.20 TO STA. 136+67.07

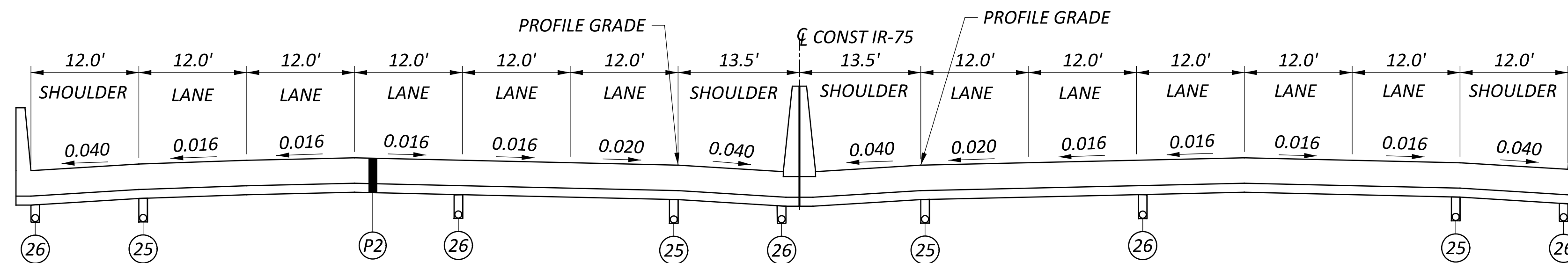


SHOULDER SECTION IR-75
 STA. 136+67.07 TO STA. 138+46.74
 **TYPE C BARRIER BEGINS 136+67.06



GORE SECTION IR-75
 STA. 138+46.74 TO STA. 142+02.41

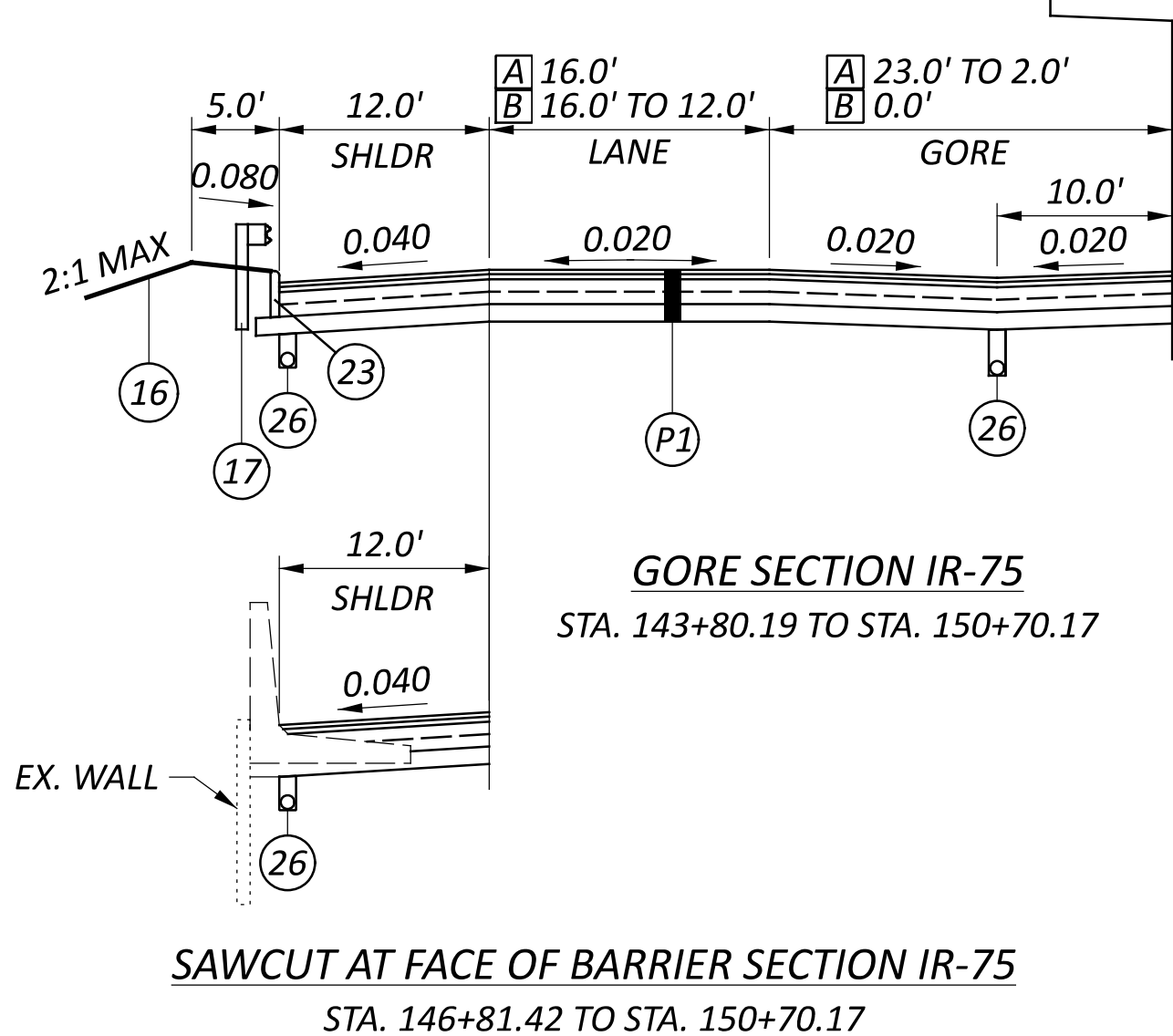
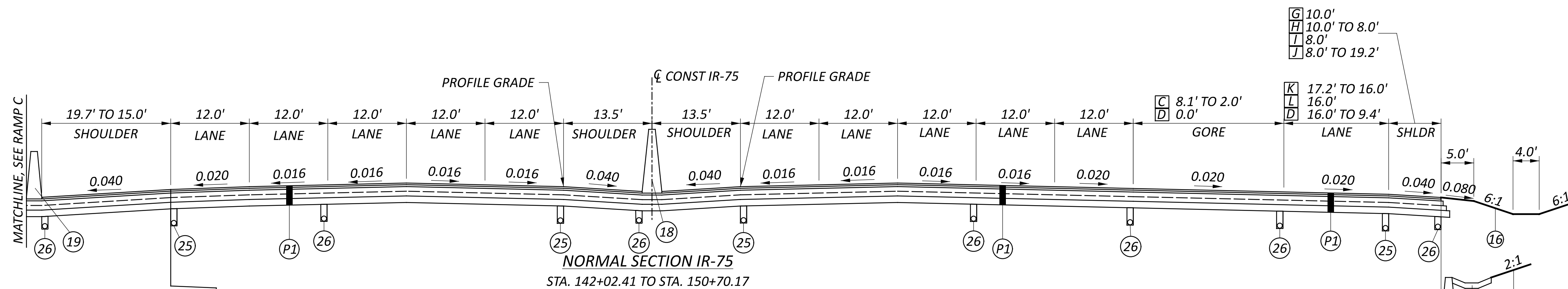
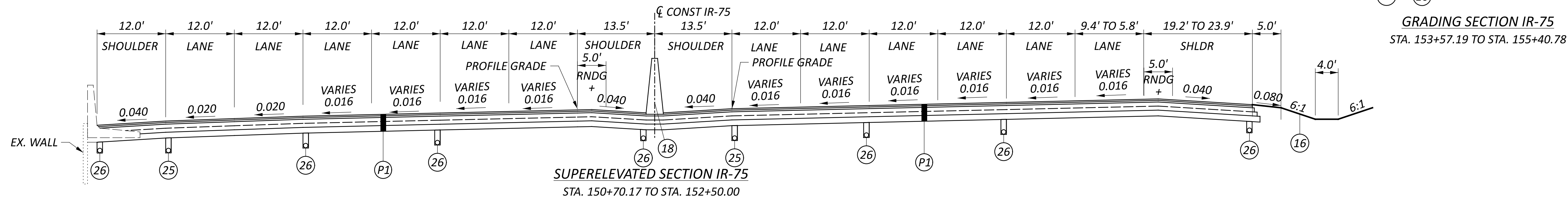
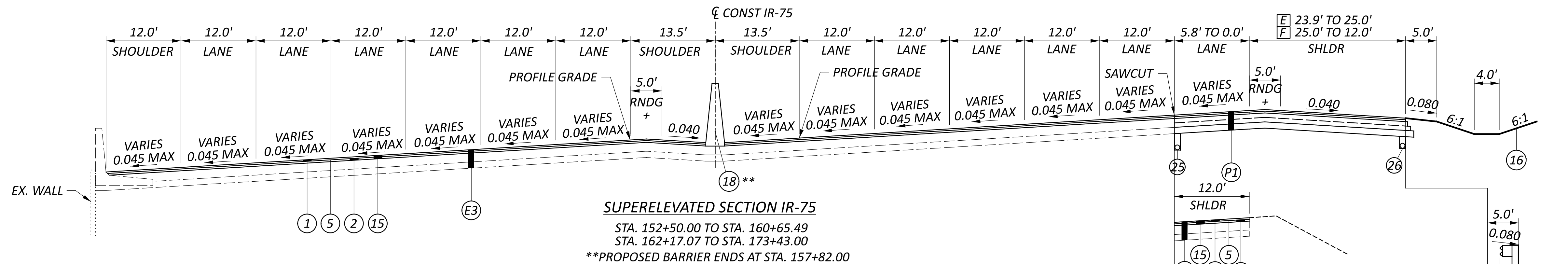
- A STA. 136+48.08 TO STA. 141+02.41
- B STA. 141+02.41 TO STA. 142+02.41
- C STA. 130+06.23 TO STA. 132+57.24
- D STA. 132+57.24 TO STA. 134+69.25
- E STA. 134+69.25 TO STA. 141+02.41
- F STA. 132+57.24 TO STA. 142+02.41



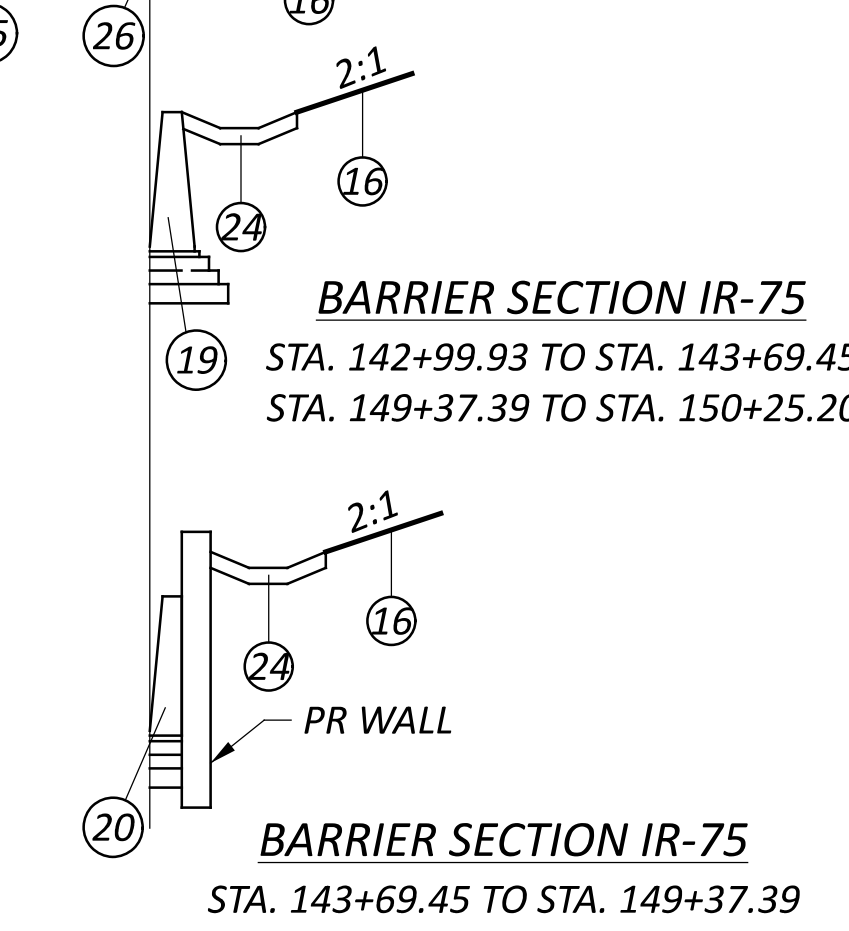
NORMAL SECTION IR-75 (APPROACH SLAB)
 STA. 125+86.70 TO STA. 126+16.70
 STA. 127+00.16 TO STA. 127+30.16

+ = 0.070 MAX GRADE BREAK
 * = 0.040 OR RATE OF SUPER IF GREATER
 NOTE: SEE SUPERELEVATION TABLE FOR ADDITIONAL INFORMATION AND TRANSITION RANGES
 FOR LEGEND SEE SHEET P.6

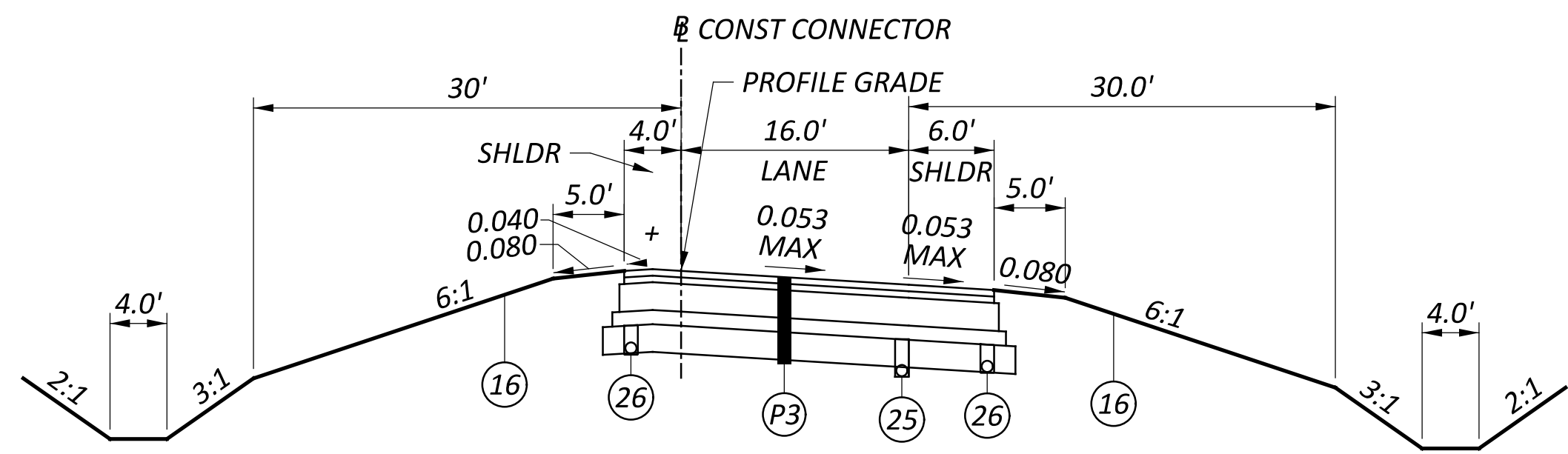
DESIGN AGENCY	
EMHT	
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	TOTAL
P.12	463



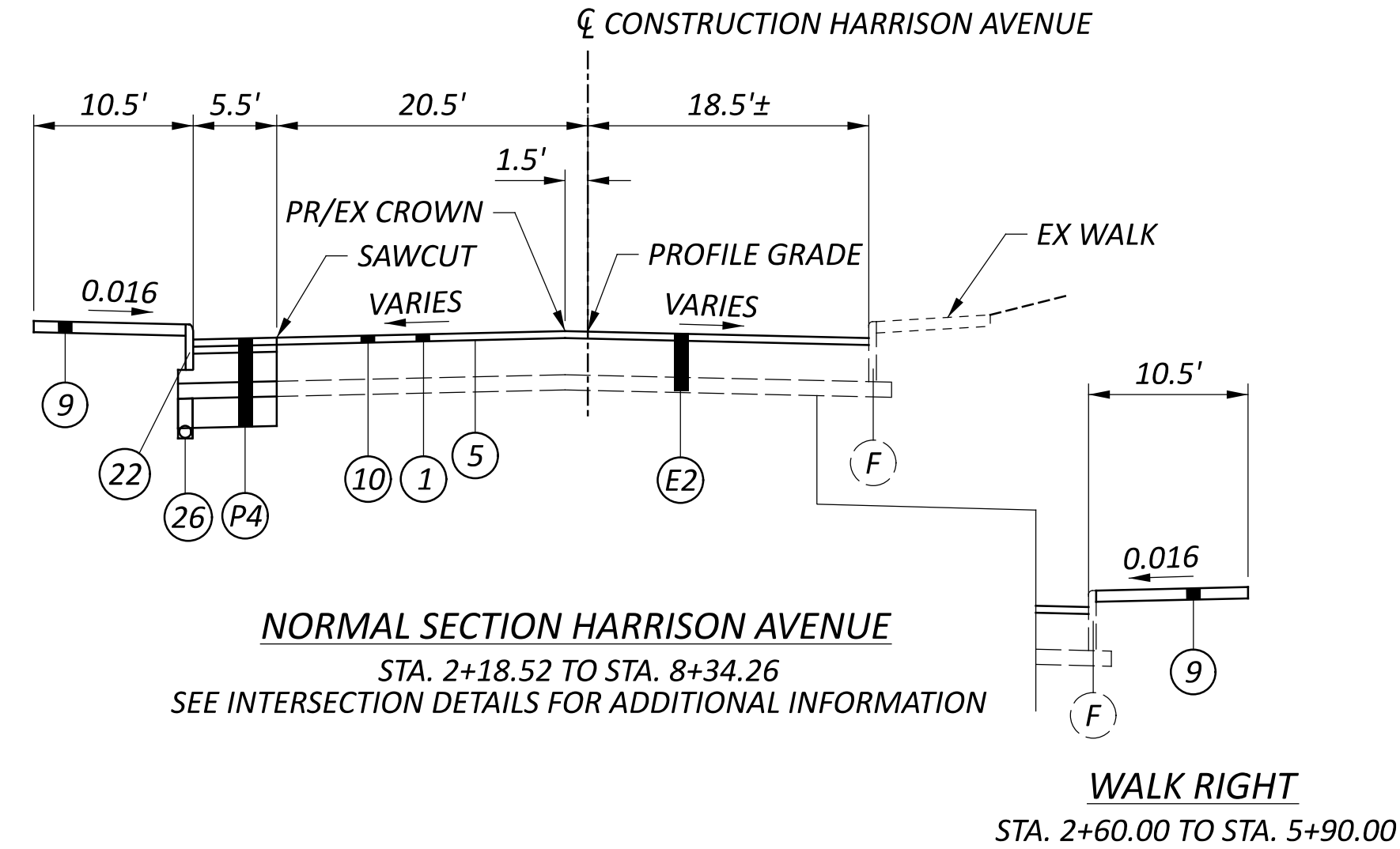
- [A] STA. 143+80.19 TO STA. 148+07.66
- [B] STA. 148+07.66 TO STA. 150+70.17
- [C] STA. 142+02.41 TO STA. 147+40.64
- [D] STA. 147+40.64 TO STA. 150+70.17
- [E] STA. 152+50.00 TO STA. 152+91.53
- [F] STA. 152+91.53 TO STA. 155+40.78
- [G] STA. 142+02.41 TO STA. 142+90.98
- [H] STA. 142+90.98 TO STA. 143+40.90
- [I] STA. 143+40.90 TO STA. 146+40.89
- [J] STA. 146+40.89 TO STA. 150+70.17
- [K] STA. 142+02.41 TO STA. 142+90.78
- [L] STA. 142+90.78 TO STA. 147+40.64



+= 0.070 MAX GRADE BREAK
 *= 0.040 OR RATE OF SUPER IF GREATER
 NOTE: SEE SUPERELEVATION TABLE FOR ADDITIONAL INFORMATION AND TRANSITION RANGES
 FOR LEGEND SEE SHEET P.6

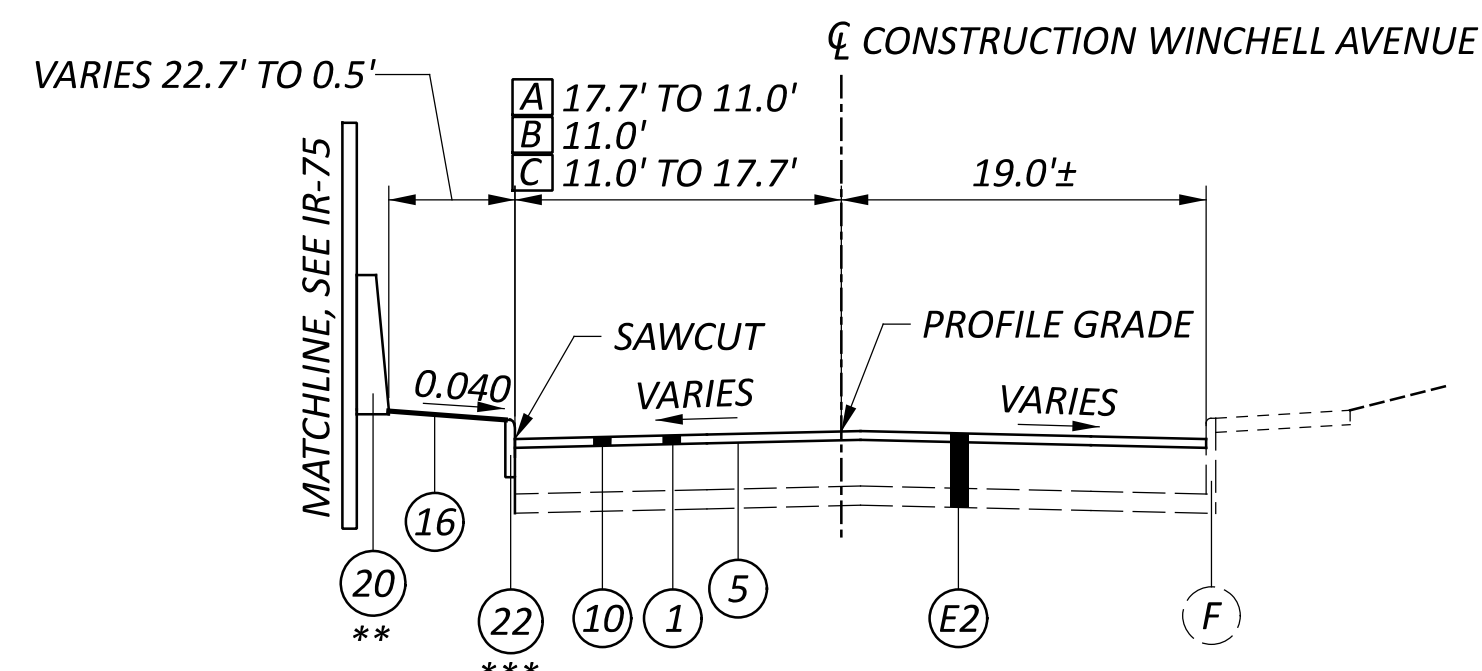


SUPERELEVATED SECTION CONNECTOR
 STA. 10+00.00 TO STA. 16+64.31



NORMAL SECTION HARRISON AVENUE
 STA. 2+18.52 TO STA. 8+34.26
 SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION

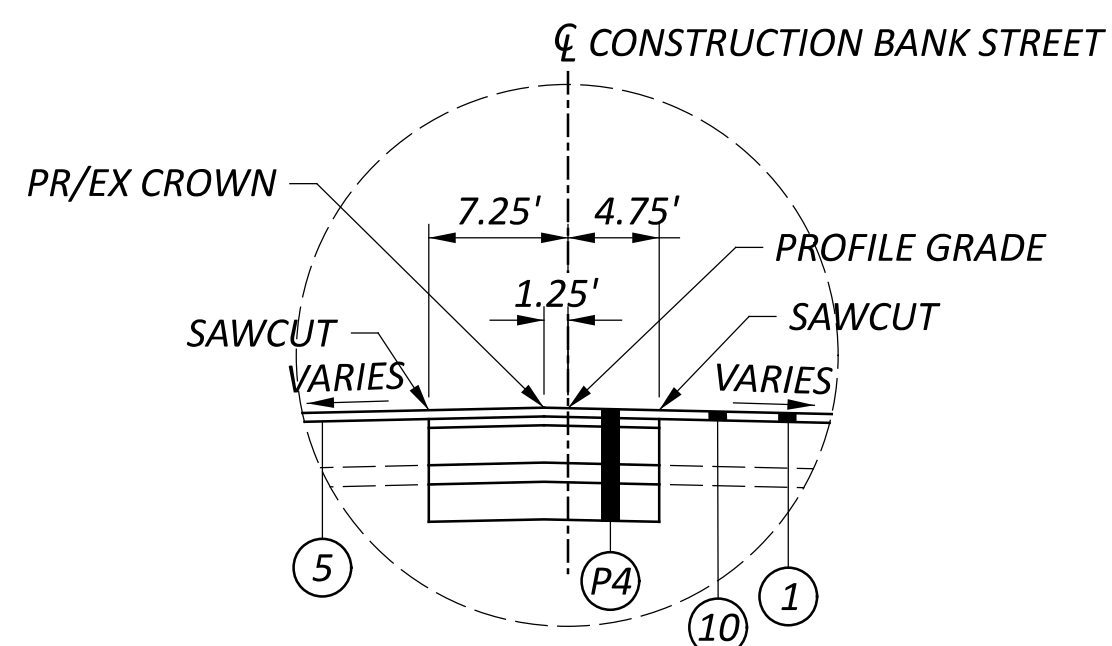
WALK RIGHT
 STA. 2+60.00 TO STA. 5+90.00



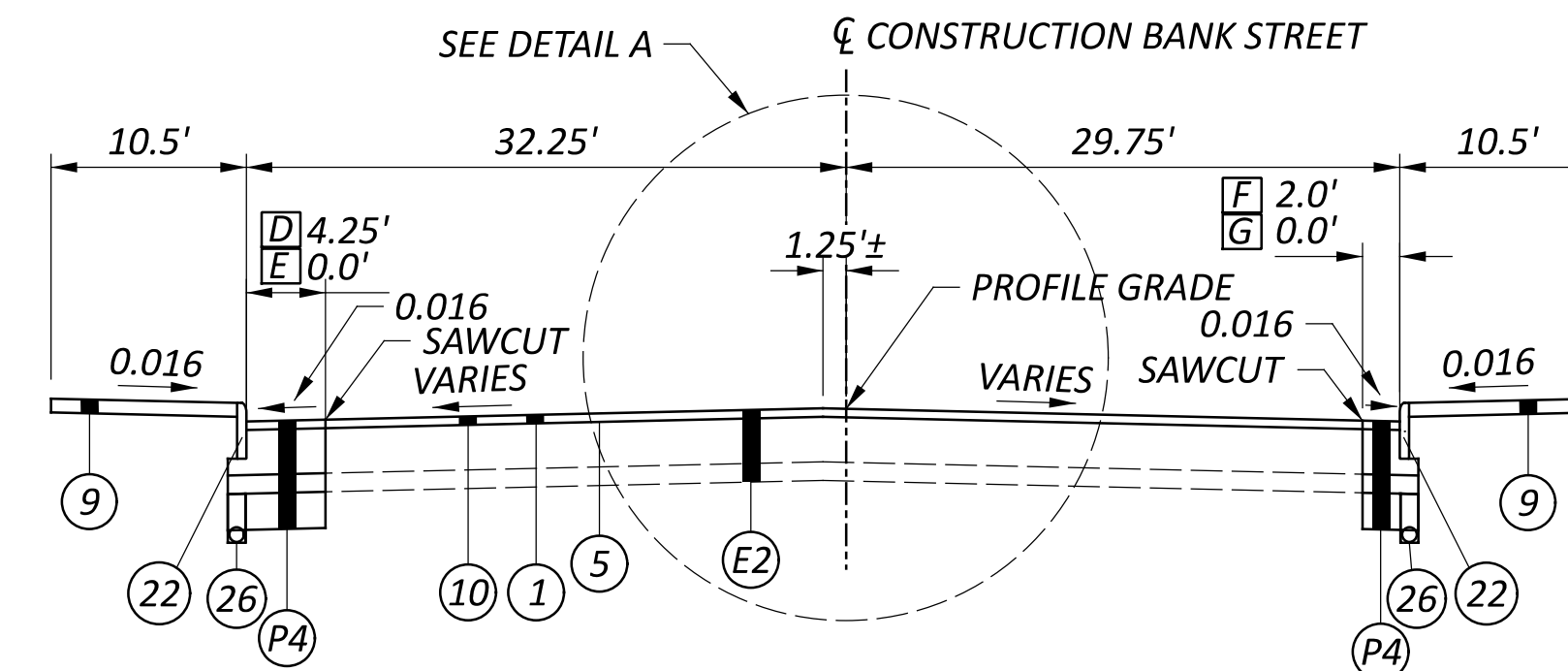
NORMAL SECTION WINCHELL AVENUE

STA. 1+55.00 TO STA. 13+90.19
 ** = BARRIER BEGINS AT STA 3+23.89
 *** = CURB ENDS AT STA 11+60.00

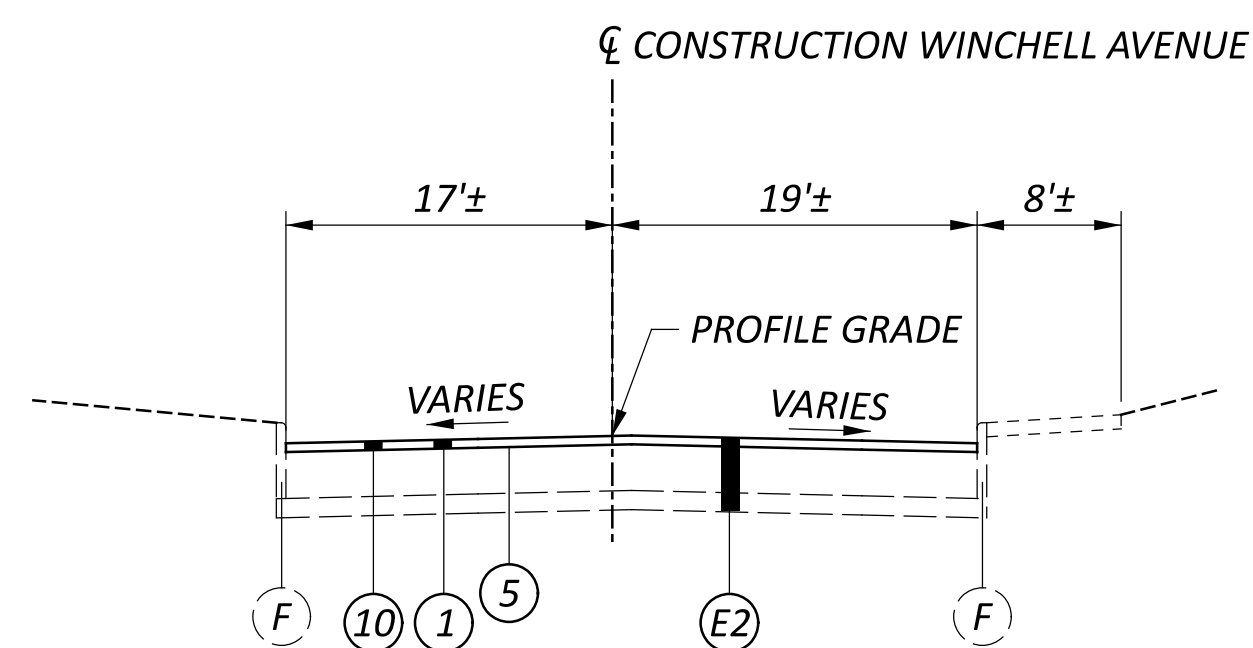
- [A] STA. 1+55.00 TO STA. 3+05.00
- [B] STA. 3+05.00 TO STA. 11+25.00
- [C] STA. 11+25.00 TO STA. 13+90.19
- [D] STA. 2+46.00 TO STA. 3+26.00
- [E] STA. 3+26.00 TO STA. 7+19.66
- [F] STA. 2+46.00 TO STA. 3+01.23
- [G] STA. 3+01.23 TO STA. 7+19.66



DETAIL A
 STA. 1+53.00 TO STA. 1+84.00
 STA. 3+60.00 TO STA. 6+00.00

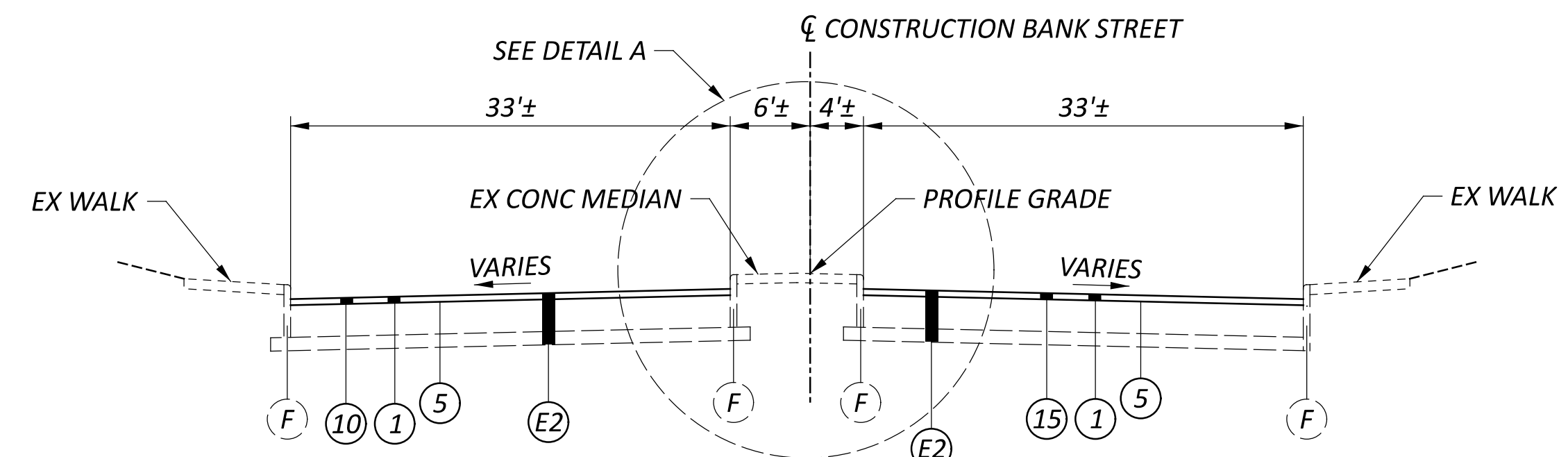


NORMAL SECTION BANK STREET
 STA. 2+46.00 TO STA. 7+19.66
 SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION



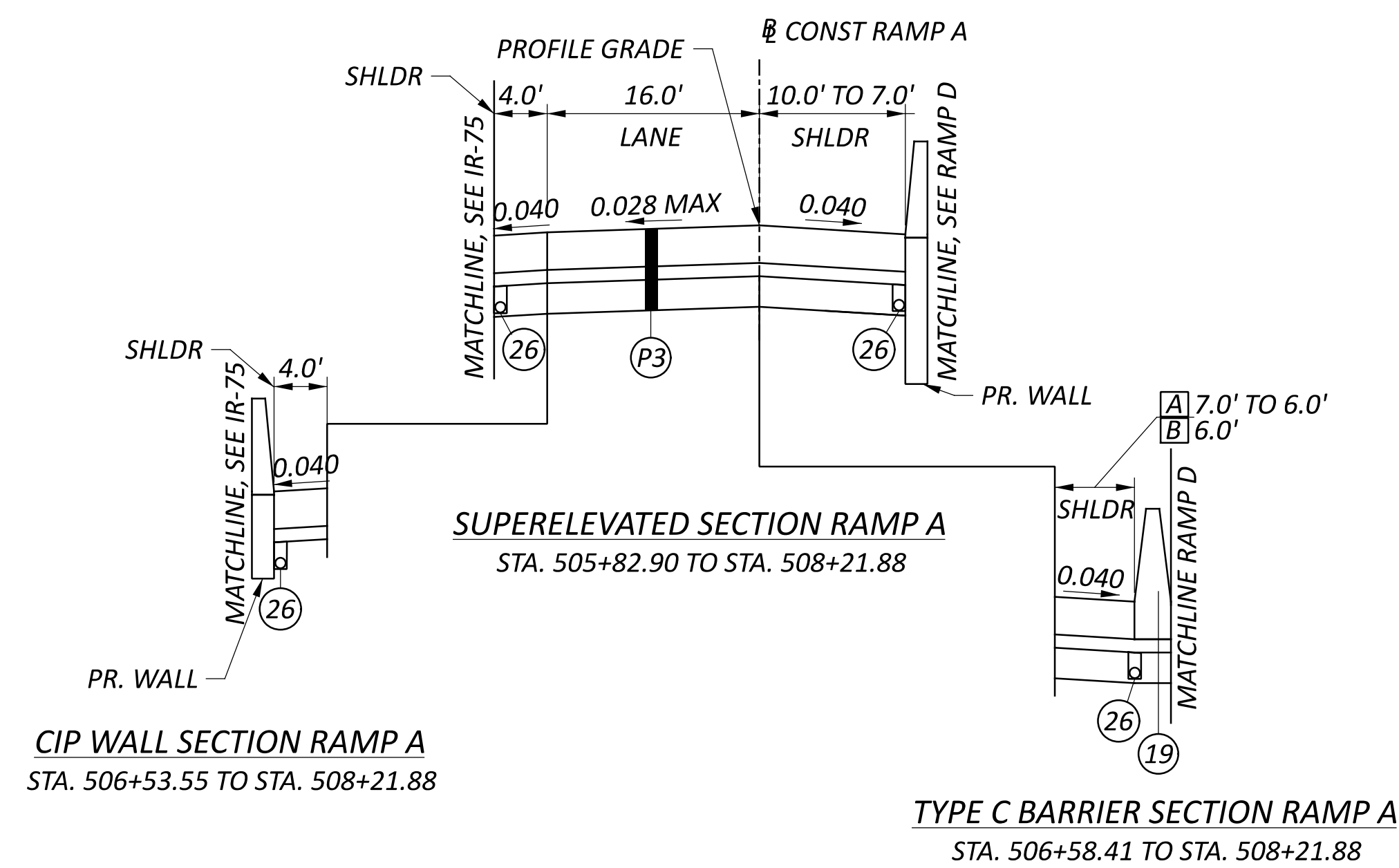
NORMAL SECTION WINCHELL AVENUE

STA. 0+41.33 TO STA. 1+55.00
 STA. 11+60.00 TO STA. 11+80.00



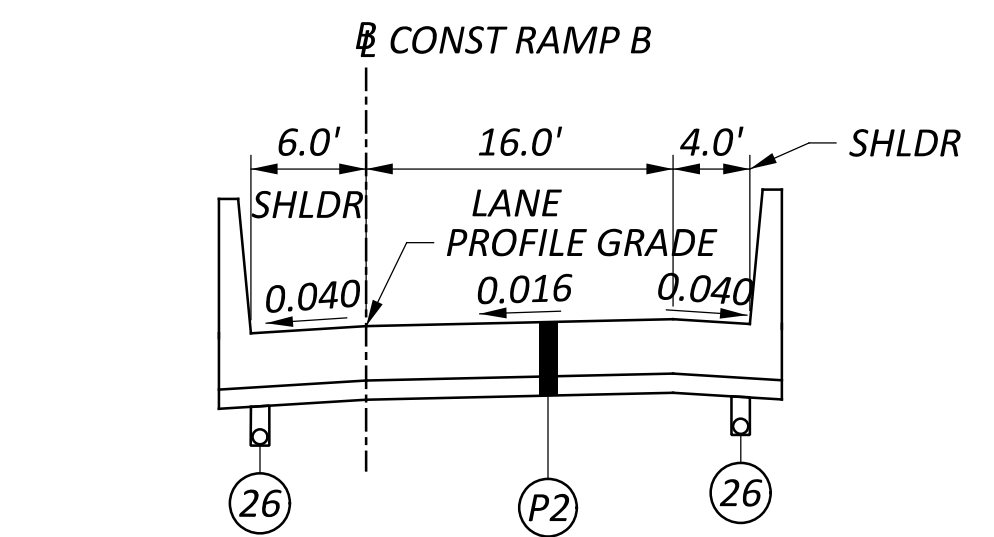
NORMAL SECTION BANK STREET
 STA. 1+31.93 TO STA. 2+46.00
 SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION

+ = 0.070 MAX GRADE BREAK
 * = 0.040 OR RATE OF SUPER IF GREATER
 NOTE: SEE SUPERELEVATION TABLE FOR
 ADDITIONAL INFORMATION AND
 TRANSITION RANGES
 FOR LEGEND SEE SHEET P.6

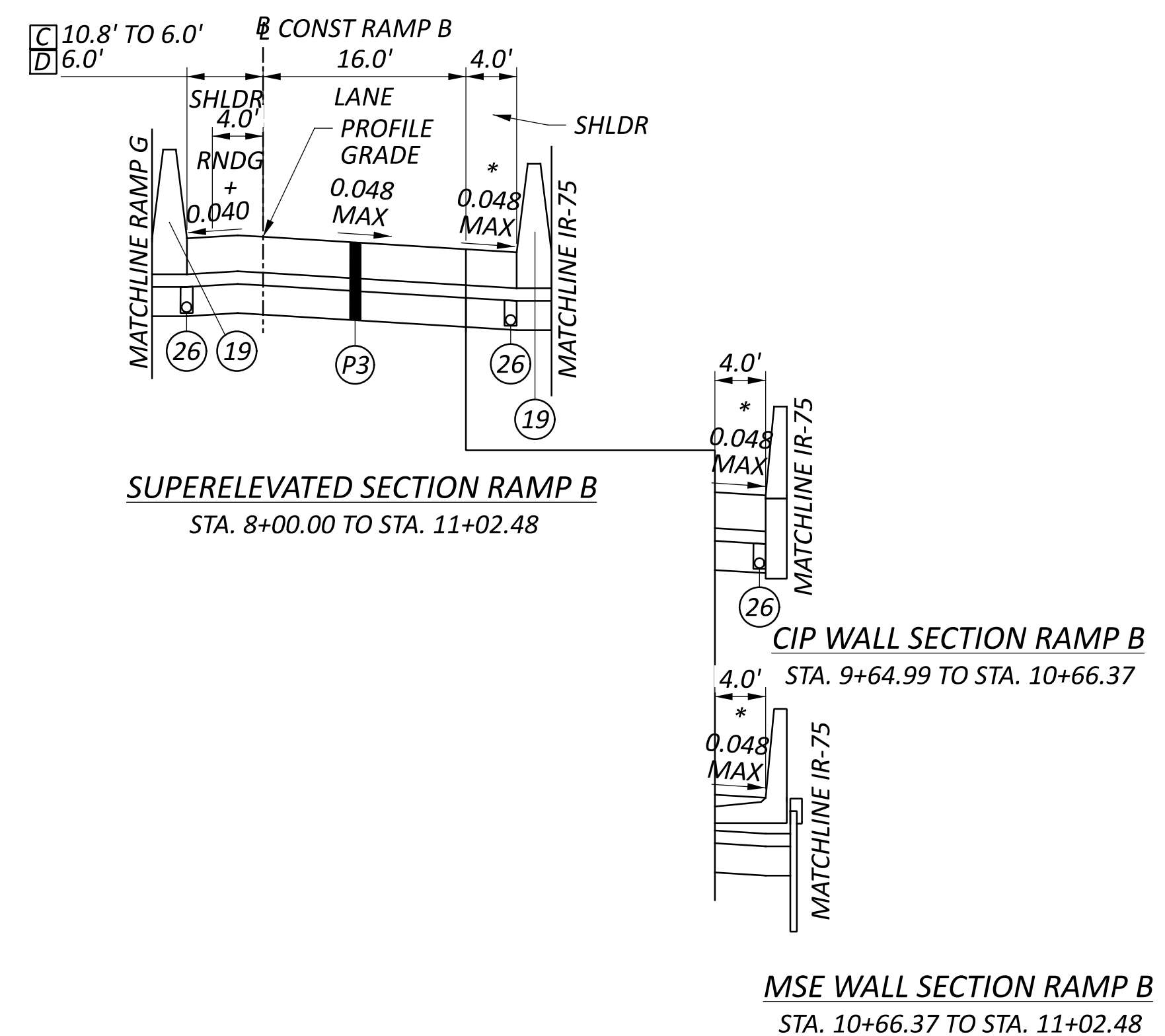
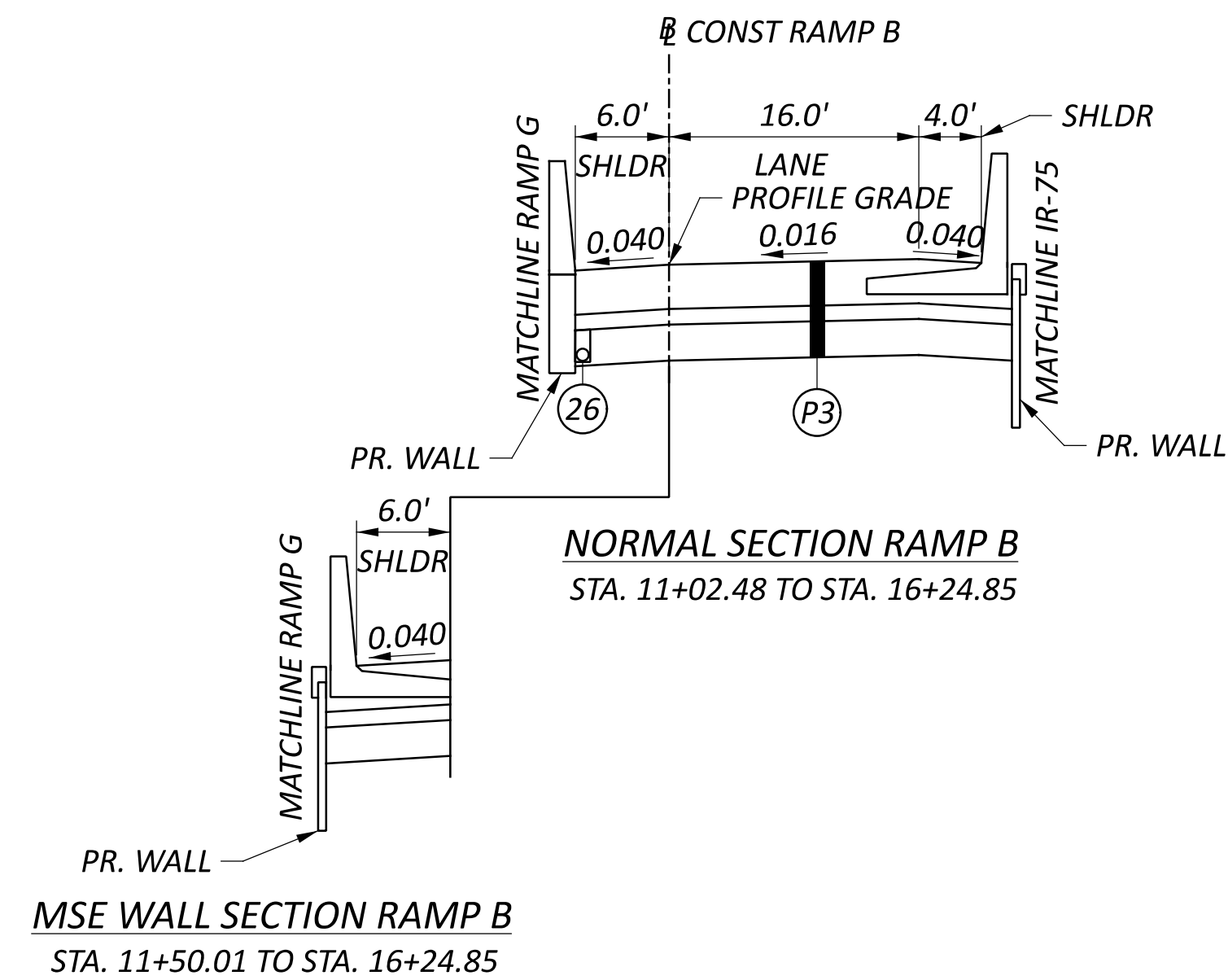


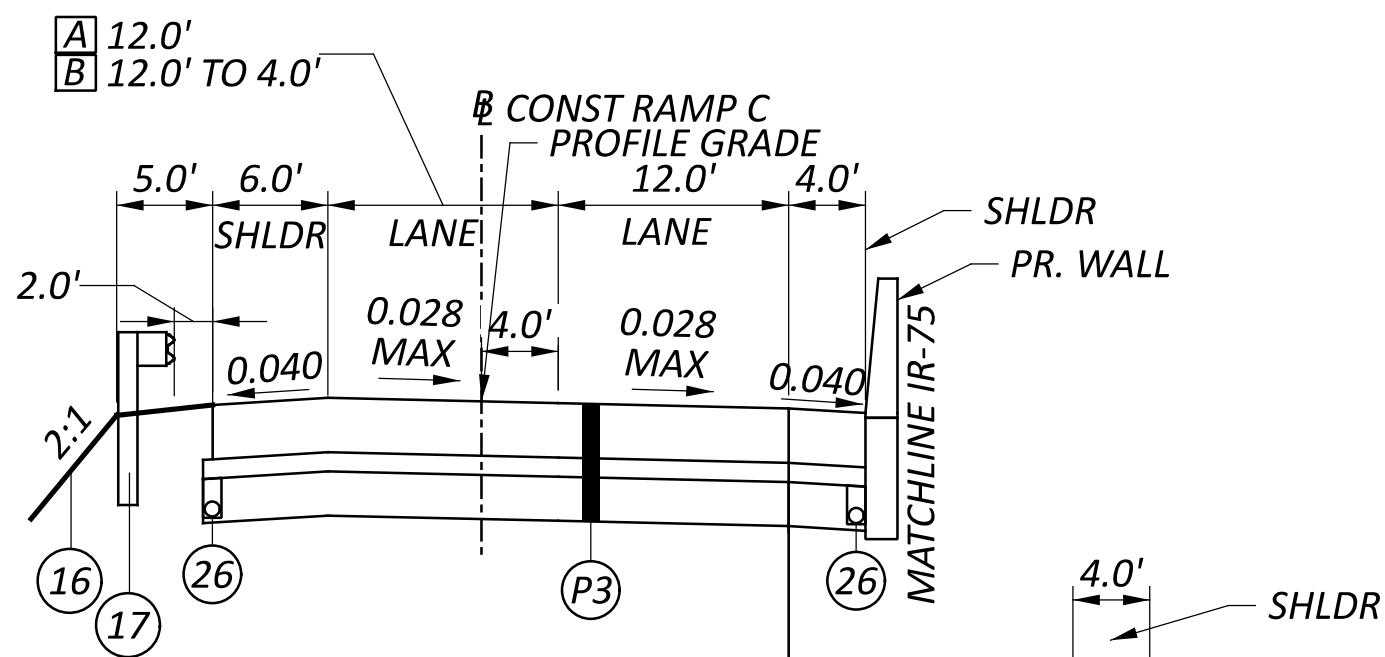
- [A] STA. 506+58.41 TO STA. 506+82.37
- [B] STA. 506+82.37 TO STA. 508+21.88
- [C] STA. 8+00.00 TO STA. 9+24.51
- [D] STA. 9+24.51 TO STA. 11+02.48

+ = 0.070 MAX GRADE BREAK
 * = 0.040 OR RATE OF SUPER IF GREATER
 NOTE: SEE SUPERELEVATION TABLE FOR
 ADDITIONAL INFORMATION AND
 TRANSITION RANGES
 FOR LEGEND SEE SHEET P.6

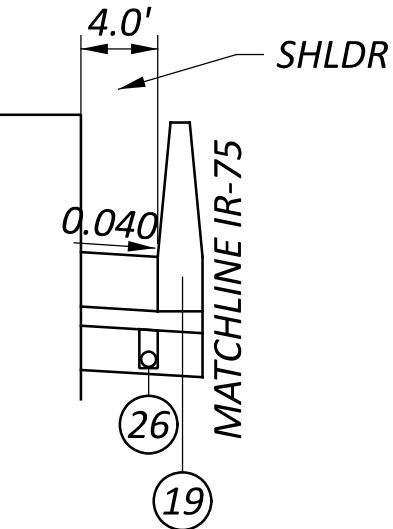


NORMAL SECTION RAMP B (APPROACH SLAB)
 STA. 16+24.85 TO STA. 16+54.85



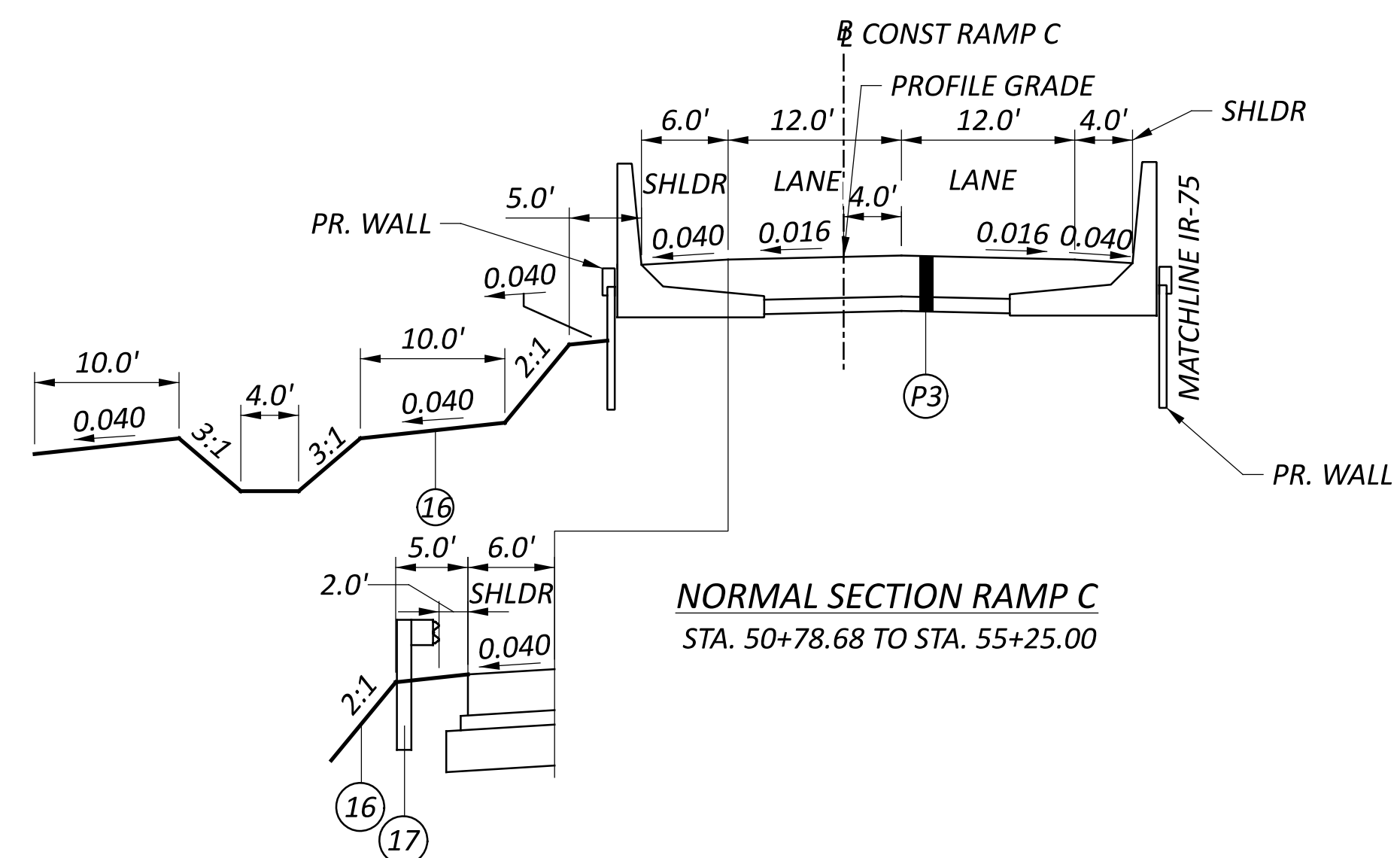


SUPERELEVATED SECTION RAMP C
 STA. 55+25.00 TO STA. 60+09.81



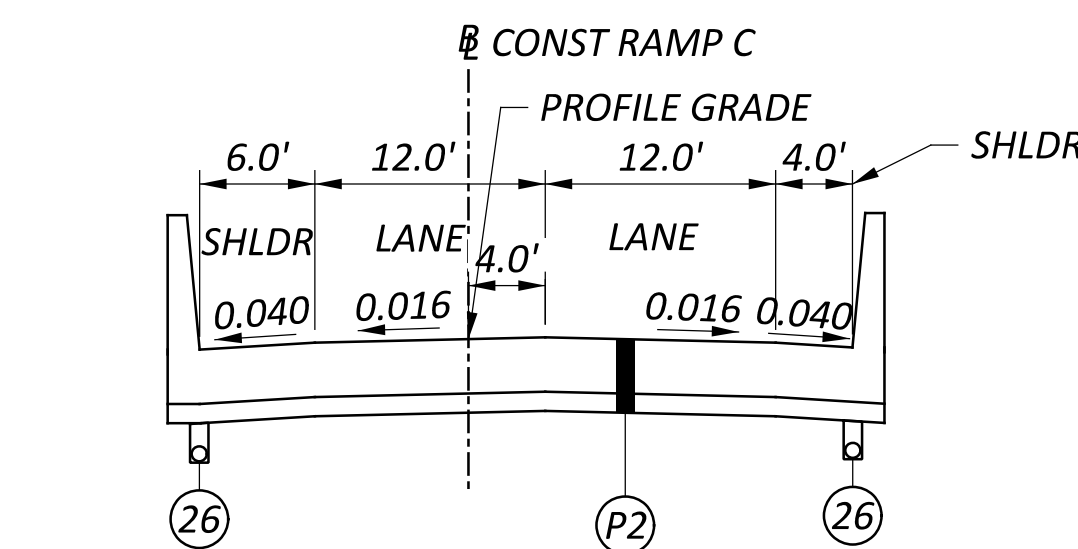
SHOULDER SECTION RIGHT
 STA. 55+75.00 TO STA. 60+09.81

- A STA. 55+25.00 TO STA. 59+59.91
- B STA. 59+59.91 TO STA. 60+09.81
- C STA. 60+09.81 TO STA. 61+70.63
- D STA. 61+70.63 TO STA. 63+21.37

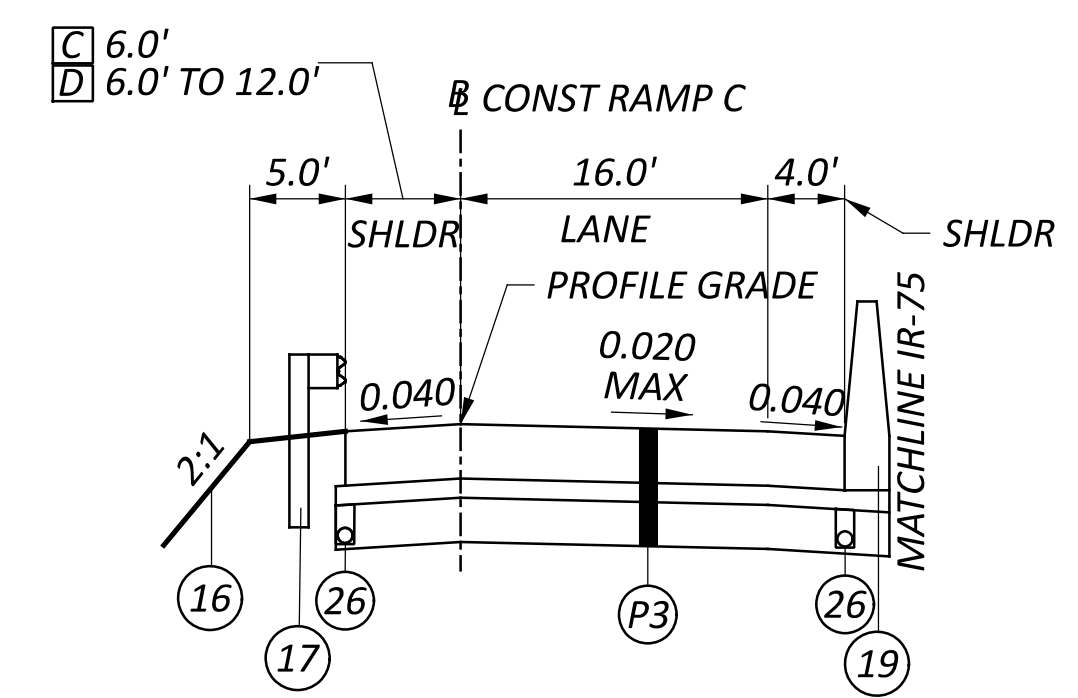


NORMAL SECTION RAMP C
 STA. 50+78.68 TO STA. 55+25.00

GRADING SECTION RAMP C
 STA. 53+75.00 TO STA. 55+25.00



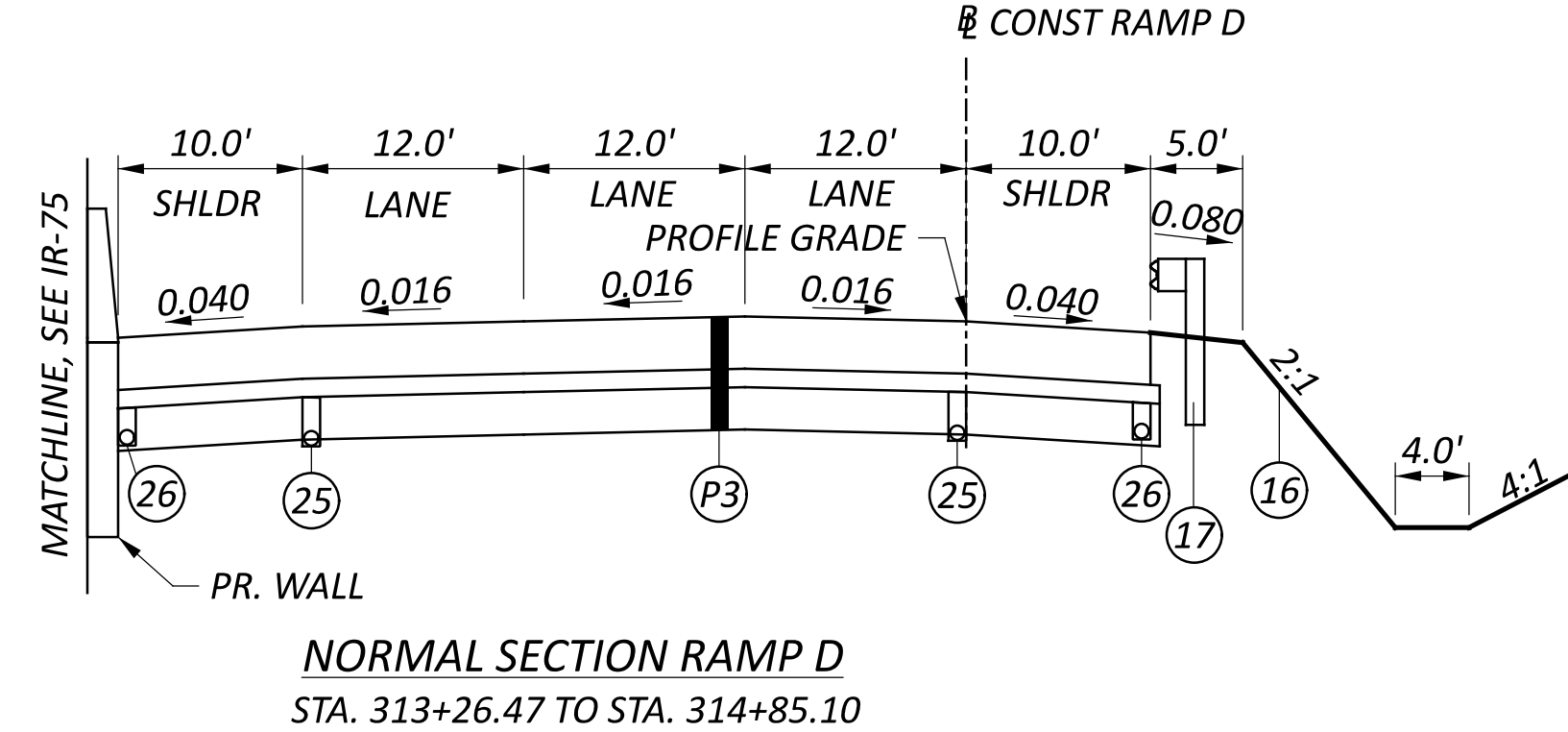
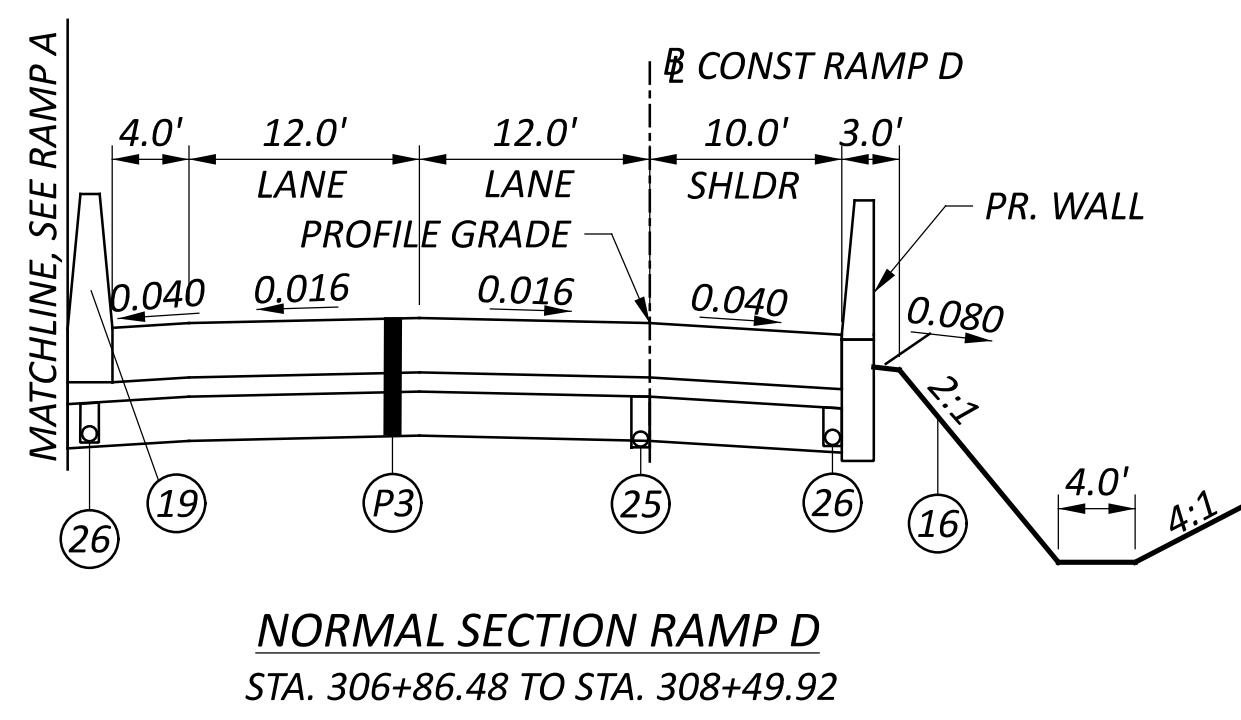
NORMAL SECTION RAMP C (APPROACH SLAB)
 STA. 50+48.68 TO STA. 50+78.68



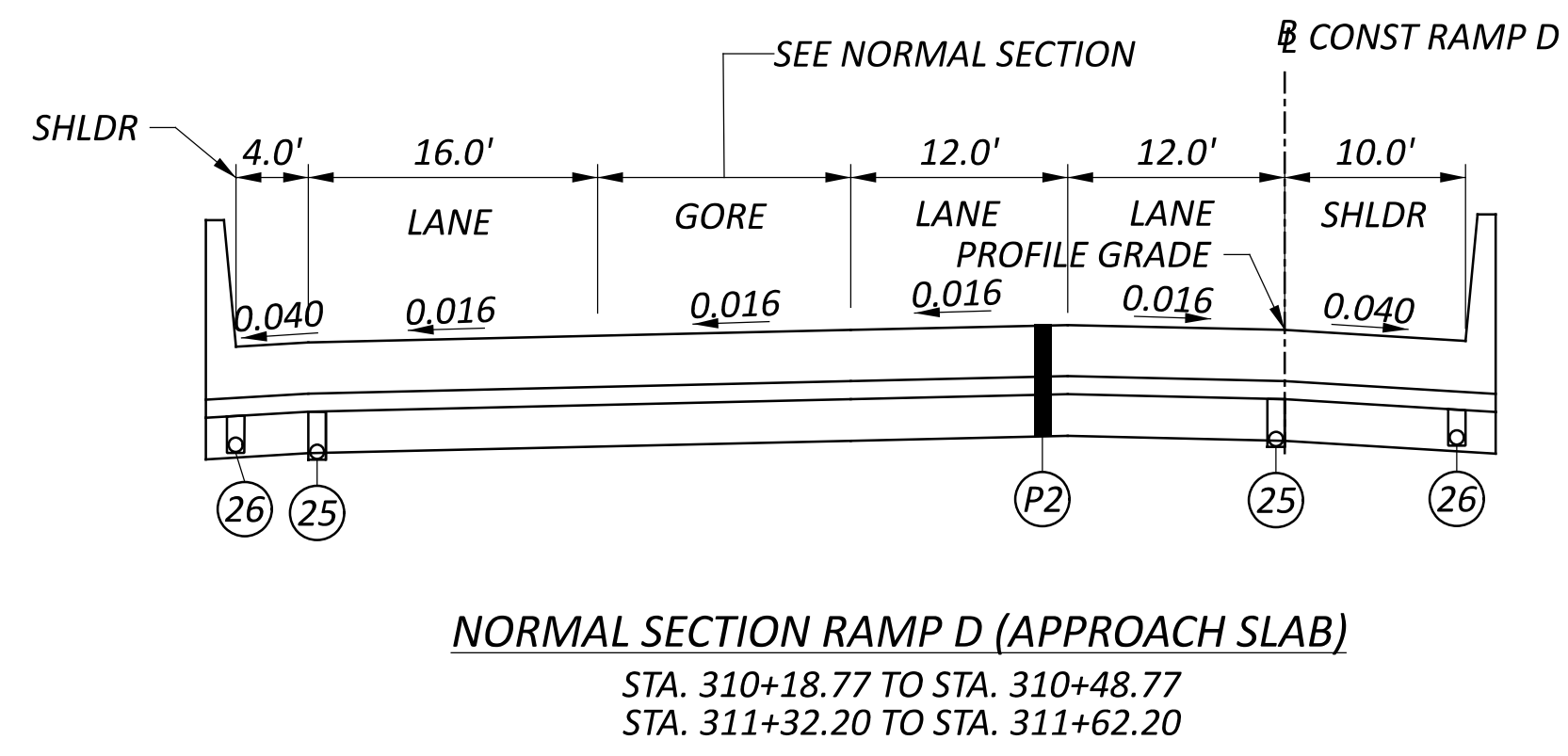
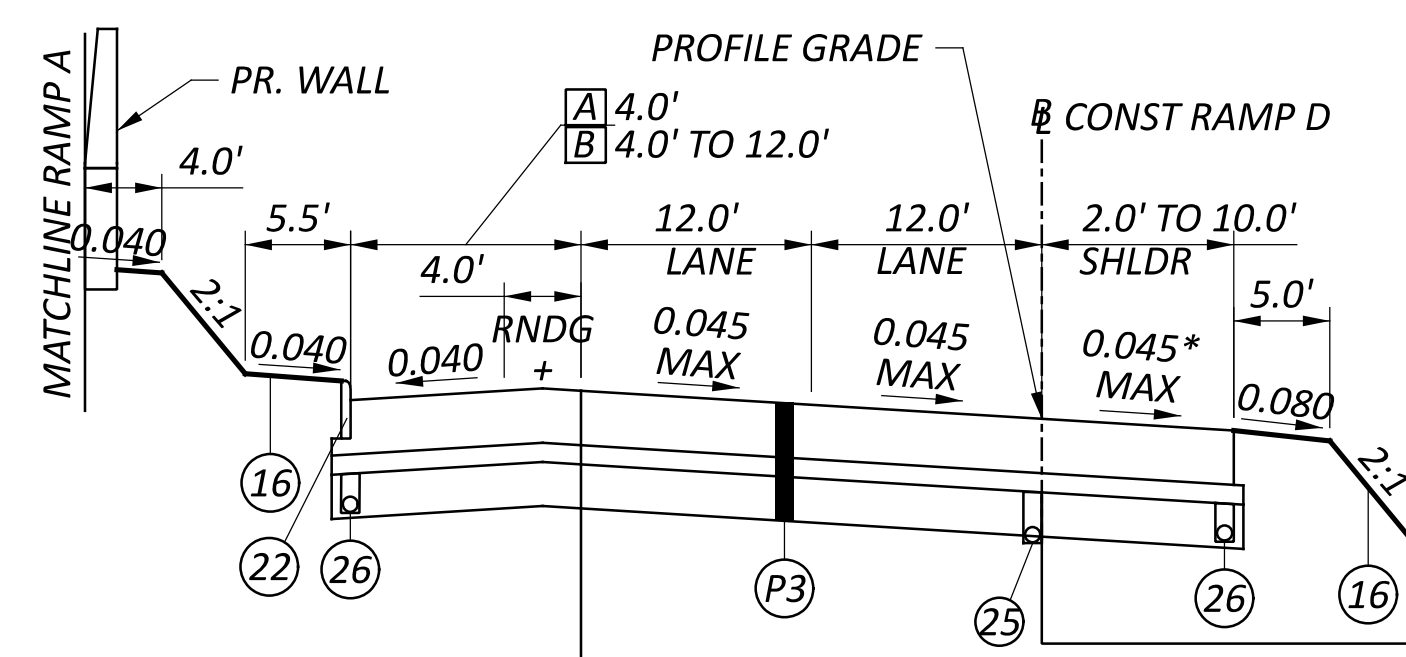
SUPERELEVATED SECTION RAMP C
 STA. 60+09.81 TO STA. 63+21.37

+ = 0.070 MAX GRADE BREAK
 * = 0.040 OR RATE OF SUPER IF GREATER
 NOTE: SEE SUPERELEVATION TABLE FOR
 ADDITIONAL INFORMATION AND
 TRANSITION RANGES
 FOR LEGEND SEE SHEET P.6

DESIGN AGENCY	
EMHT	
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	TOTAL
P.16	463



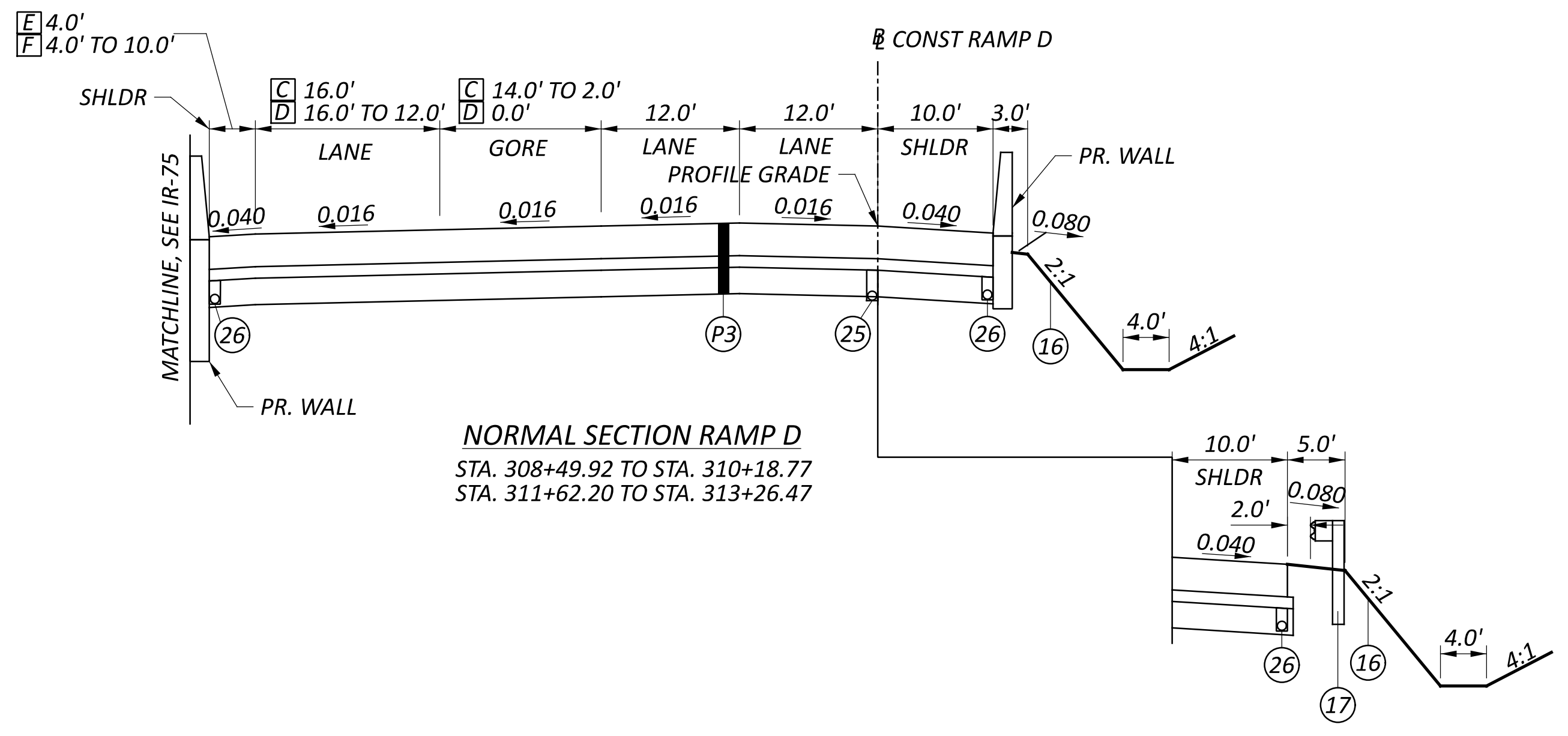
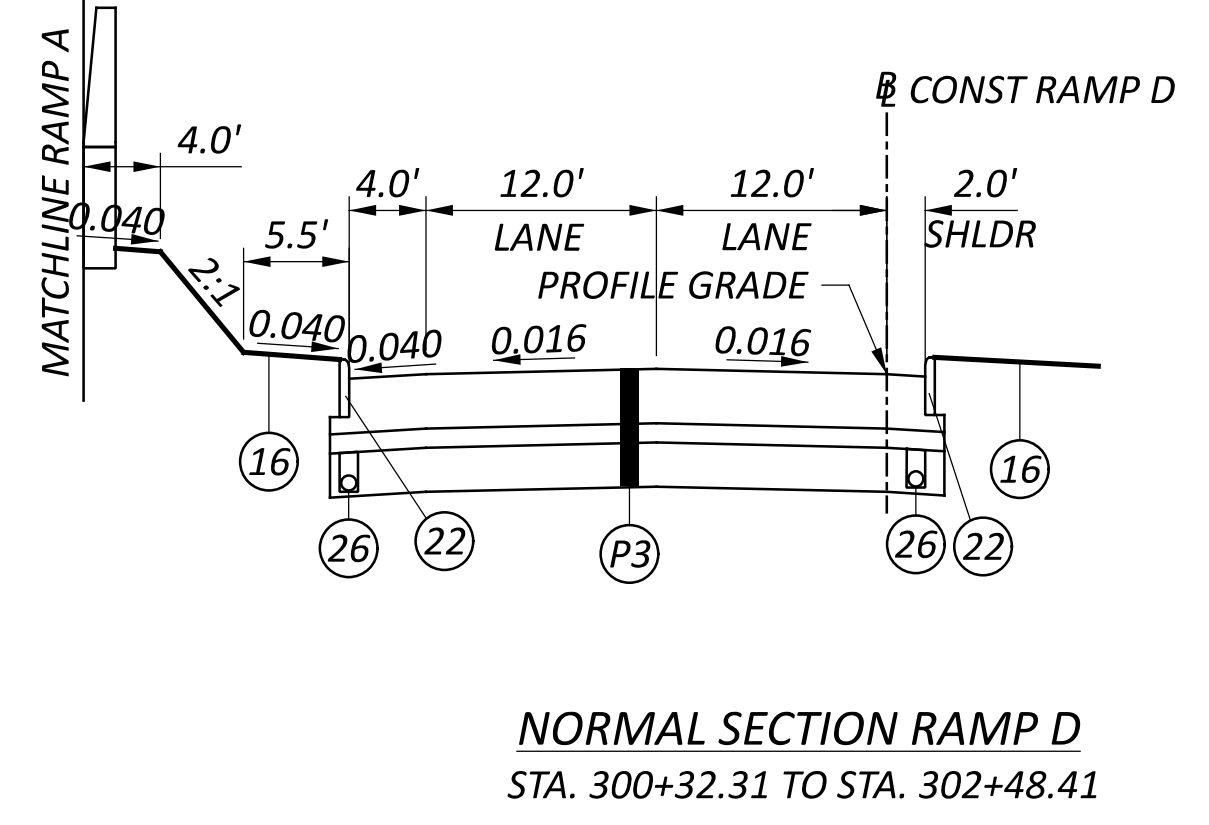
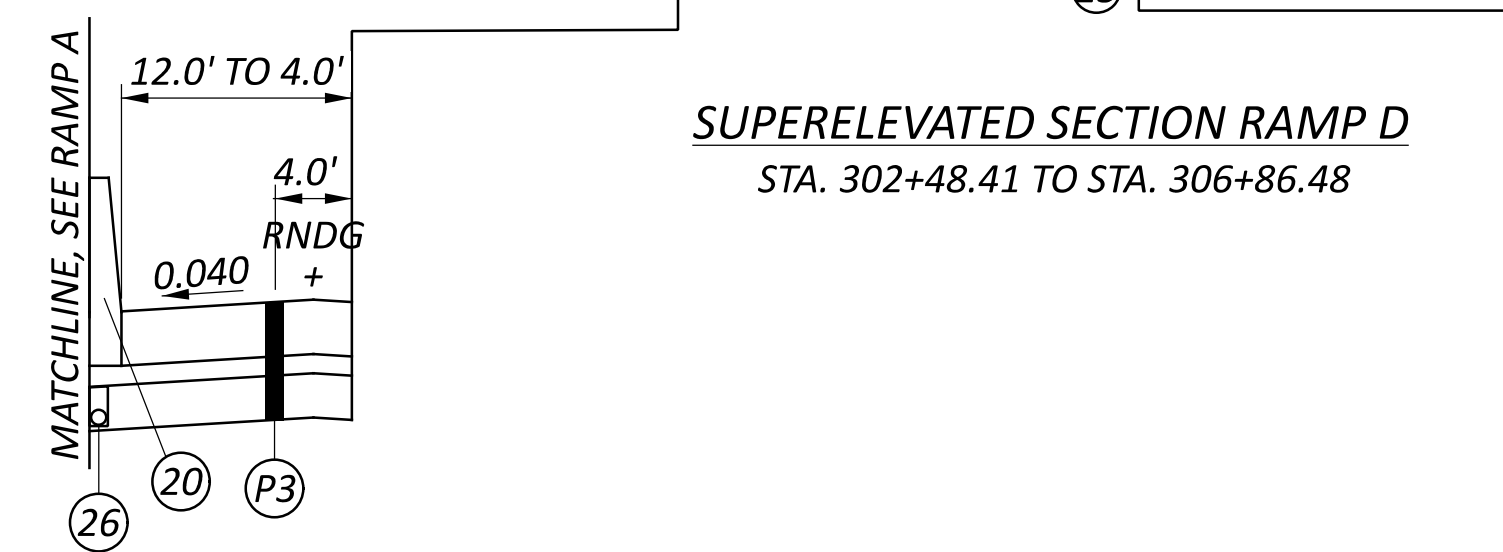
- A STA. 302+48.41 TO STA. 304+75.49
- B STA. 304+75.49 TO STA. 305+00.13
- C STA. 308+49.92 TO STA. 312+26.17
- D STA. 311+72.42 TO STA. 313+26.47
- E STA. 308+49.92 TO STA. 311+72.79
- F STA. 311+72.79 TO STA. 313+26.47



SHOULDER SECTION LEFT
 STA. 305+00.13 TO STA. 306+86.48

WALL SECTION RIGHT
 STA. 303+25.00 TO STA. 306+86.48

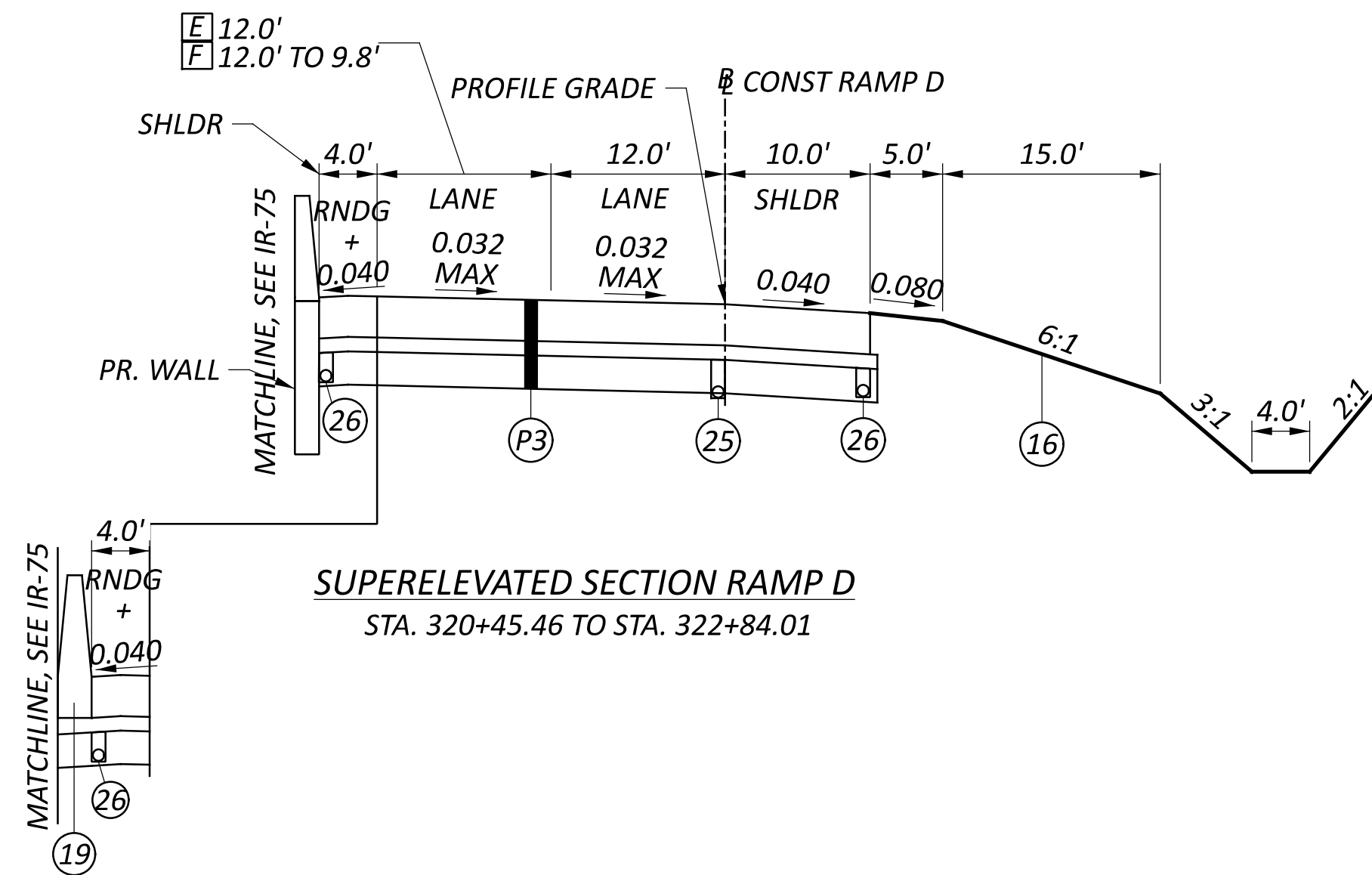
NORMAL SECTION RAMP D (APPROACH SLAB)
 STA. 310+18.77 TO STA. 310+48.77
 STA. 311+32.20 TO STA. 311+62.20



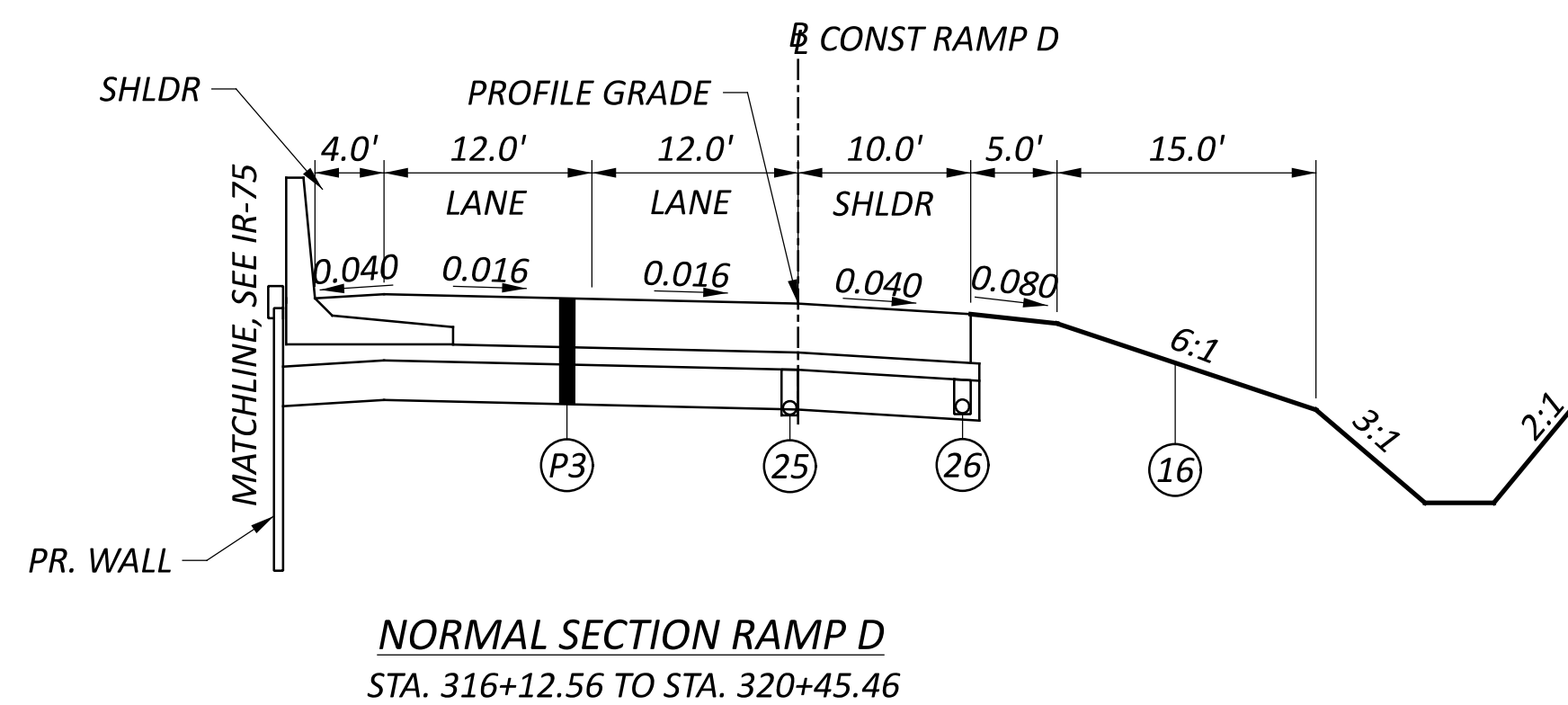
SHOULDER SECTION RIGHT
 STA. 311+62.20 TO STA. 313+26.47

+ = 0.070 MAX GRADE BREAK
 * = 0.040 OR RATE OF SUPER IF GREATER
 NOTE: SEE SUPERELEVATION TABLE FOR ADDITIONAL INFORMATION AND TRANSITION RANGES
 FOR LEGEND SEE SHEET P.6

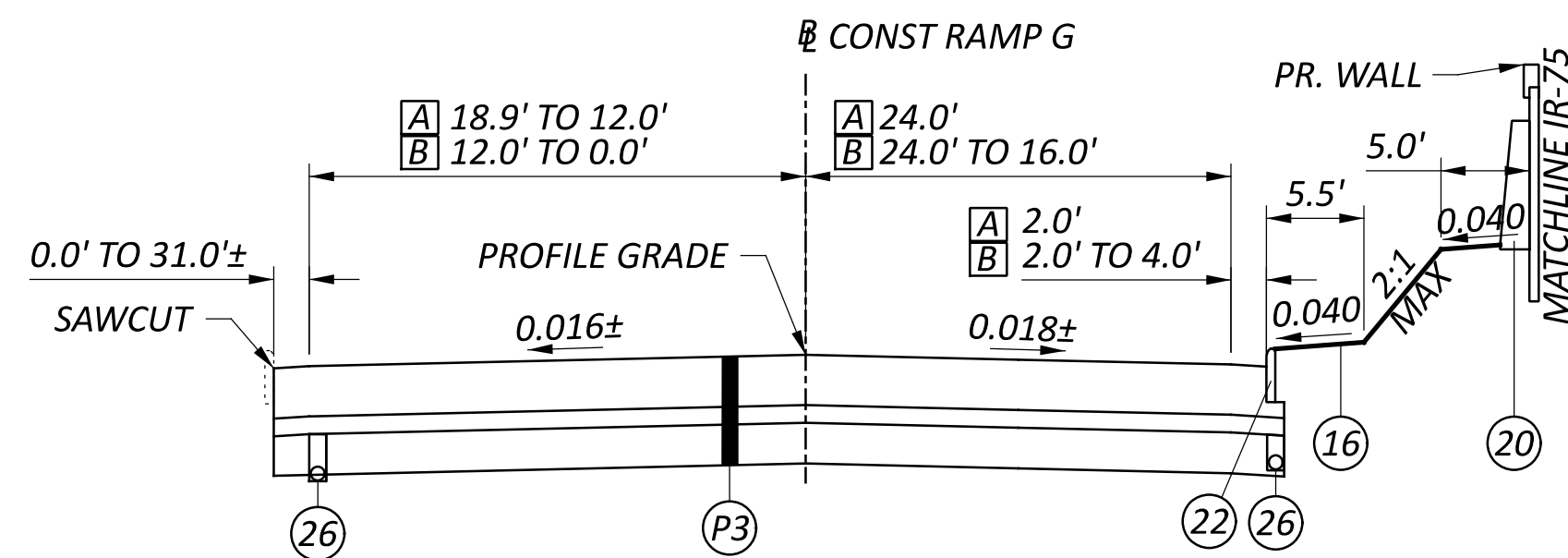
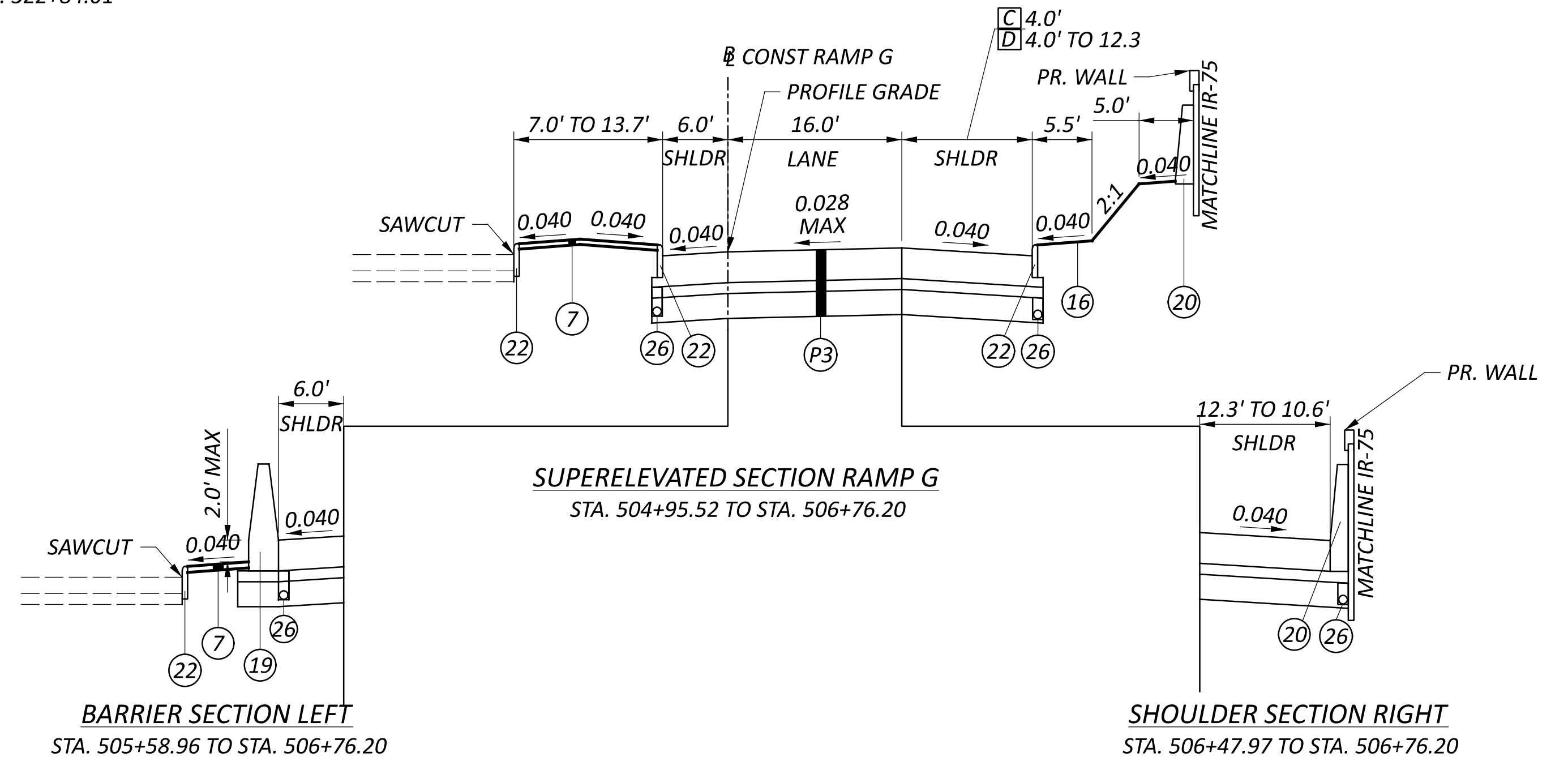
- [A] STA. 503+74.62 TO STA. 504+45.52
- [B] STA. 504+45.52 TO STA. 504+95.52
- [C] STA. 504+95.52 TO STA. 506+23.23
- [D] STA. 506+23.23 TO STA. 506+47.97
- [E] STA. 320+45.46 TO STA. 321+19.48
- [F] STA. 321+19.48 TO STA. 322+84.01



BARRIER SECTION LEFT
 STA. 321+10.27 TO STA. 322+84.01



NORMAL SECTION RAMP D
 STA. 316+12.56 TO STA. 320+45.46
 STA. 314+85.10 TO STA. 316+12.56 (SEE INTERSECTION DETAILS)

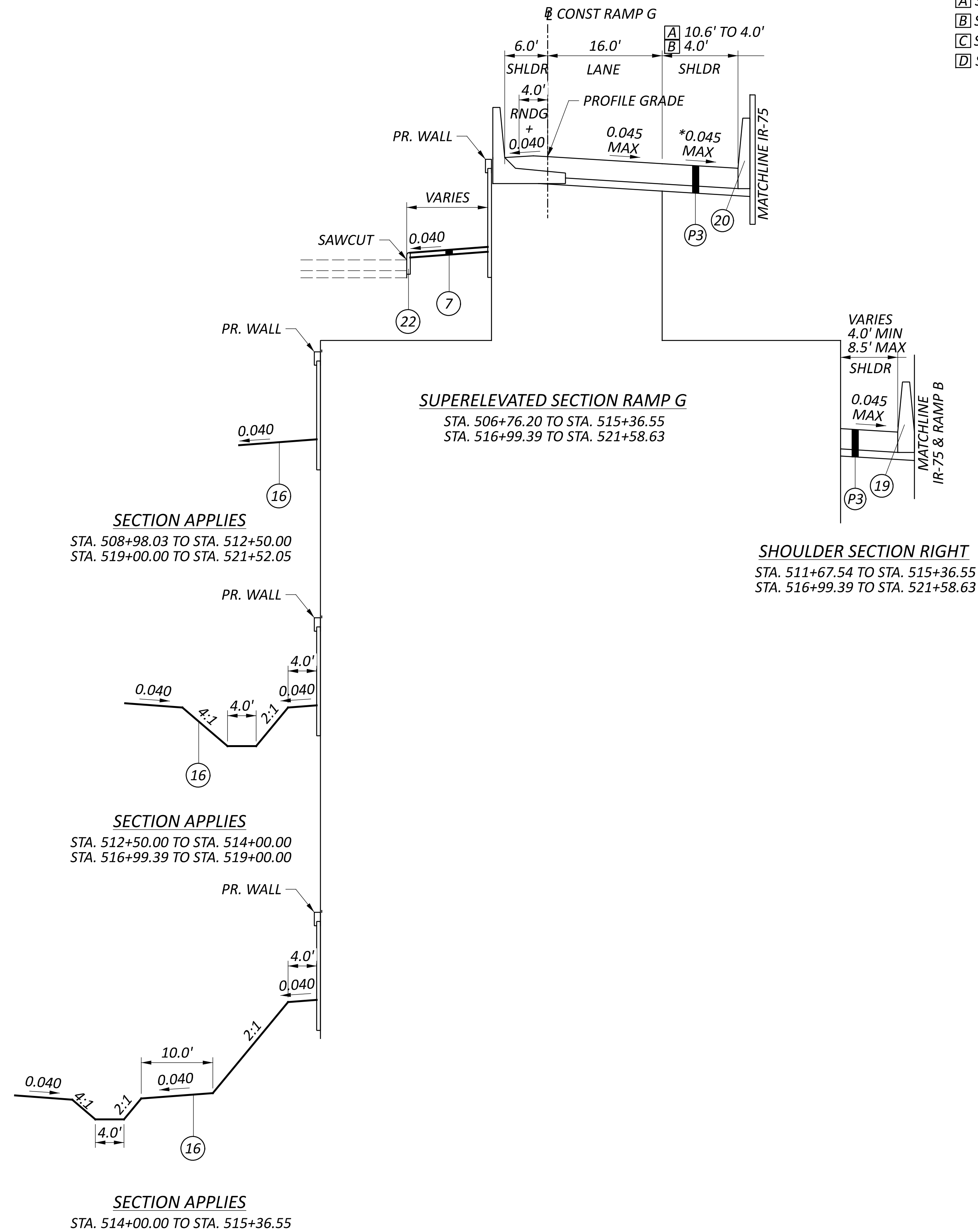


NORMAL SECTION RAMP G
 STA. 503+74.62 TO STA. 504+95.52

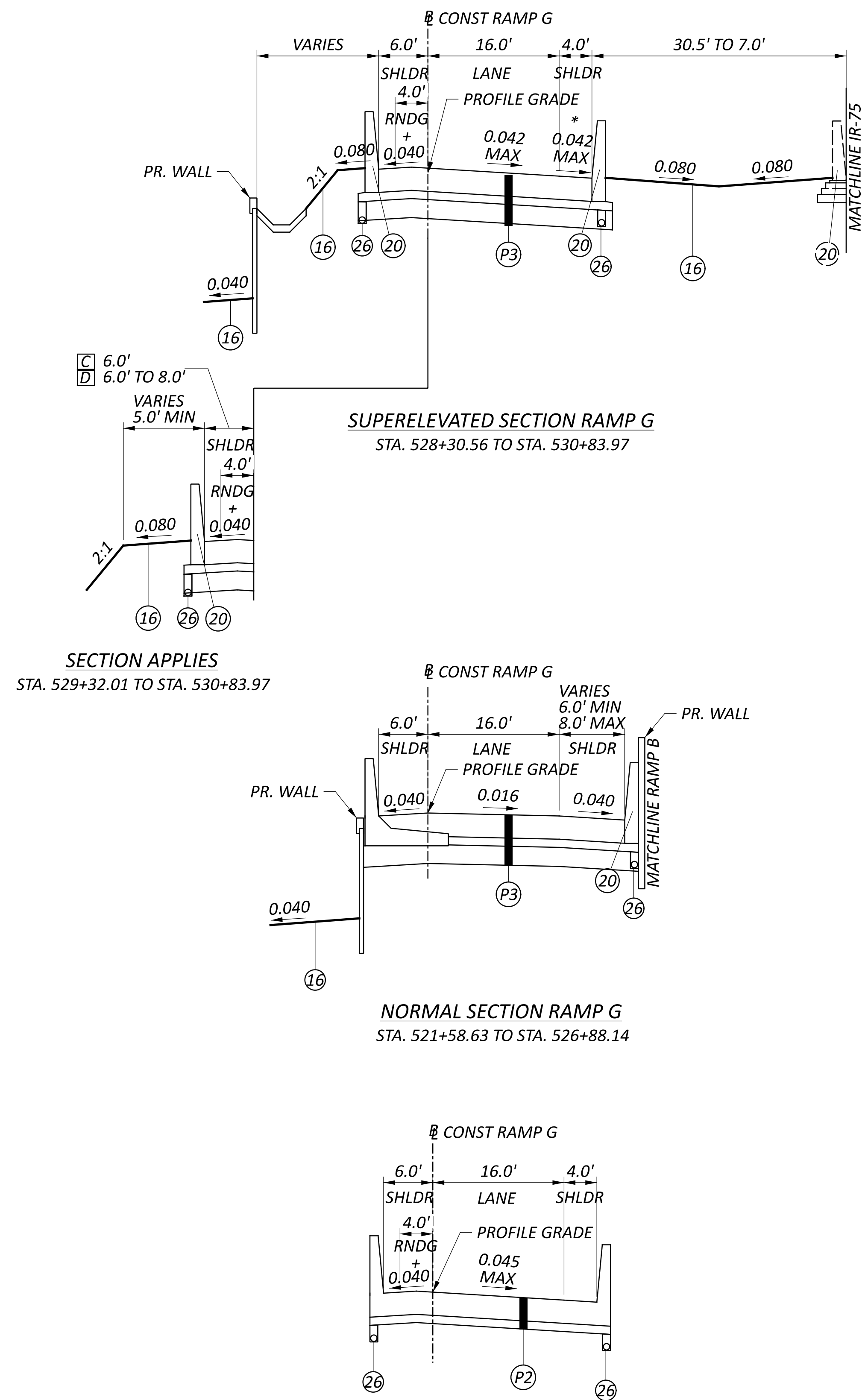
+ = 0.070 MAX GRADE BREAK
 * = 0.040 OR RATE OF SUPER IF GREATER
 NOTE: SEE SUPERELEVATION TABLE FOR
 ADDITIONAL INFORMATION AND
 TRANSITION RANGES

FOR LEGEND SEE SHEET P.6

- A STA. 506+76.20 TO STA. 508+65.80
- B STA. 508+65.80 TO STA. 511+67.54
- C STA. 529+32.01 TO STA. 530+33.60
- D STA. 530+33.60 TO STA. 530+83.97



+ = 0.070 MAX GRADE BREAK
 * = 0.040 OR RATE OF SUPER IF GREATER
 NOTE: SEE SUPERELEVATION TABLE FOR
 ADDITIONAL INFORMATION AND
 TRANSITION RANGES
 FOR LEGEND SEE SHEET P.6



UTILITIES

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

ELECTRIC:
DUKE ENERGY (DISTRIBUTION)
2010 DANA AVE
CINCINNATI, OH 45207
513-508-9609 (SHANE ERHART)
SHANE.ERHART@DUKE-ENERGY.COM

GAS:
DUKE ENERGY
139 EAST 4TH ST., ROOM 460A
CINCINNATI, OH 45202
513-287-1460 (BRAD STEINMETZ)
OH/KYHOUSEBILL@DUKE-ENERGY.COM

TELEPHONE:
CINCINNATI BELL AERIAL & PLACING
221 E. 4TH ST, BLDG. 121-900
CONCINNATI, OH 45201
513-565-1418 (JASON NUNNELLEY)
ROADPROJECTS@CINBELL.COM

CINCINNATI BELL UNDERGROUND STRUCTURES
221 E. 4TH ST, BLDG. 121-900
CONCINNATI, OH 45201
513-565-7187 (BRECK COWAN)
ROADPROJECTS@CINBELL.COM

WATER:
GREATER CINCINNATI WATER WORKS
3845 EASTERN AVE
CINCINNATI, OH 45226
513-352-3723 (DAN LOUIS)
DANIAL.LOUIS@GCWW.CINCINNATI-OH.GOV

SEWER:
CINCINNATI METROPOLITAN SEWER DISTRICT
1600 GEST STREET
CINCINNATI, OH 45204
DESIGN: 513-557-7188 (ROB FRANKLIN)
MSDUTILITYREVIEW@CINCINNATI-OH.GOV
CONSTRUCTION: 513-244-1369 (ALICE OLIVER)
ALICE.OLIVER@CINCINNATI-OH.GOV

TRAFFIC:
CITY OF CINCINNATI TRAFFIC
801 PLUM ST, ROOM 320
CINCINNATI, OH 45202
513-378-6190 (ANDREW CARTER)
ANDREW.CARTER@CINCINNATI-OH.GOV

CABLE:
LUMEN (FORMERLY CENTURYLINK)
9490 MERIDIAN WAY
WEST CHESTER, OH 45069
513-255-5626 (BRUCE MILLER)
RELOCATIONS@LUMEN.COM

MCI/VERIZON
120 RAVINE ST
AKRON, OH 44303
330-253-8267 (AL GUEST)
ALLAN.GUEST@VERIZONBUSINESS.COM

CABLE (CON'T.)

AT&T TRANSMISSION LONG DISTANCE
7555 E. PLEASANT VALLEY RD. SUITE 140
INDEPENDENCE, OH 44131
216-750-0135 (MICHAEL DIEDERICH)
MD4145@ATT.COM

ATT METRO/LNS
THAYER POWER AND COMMUNICATION
LINE CONSTRUCTION CO., LLC
950 FREEWAY DRIVE N.
COLUMBUS, OH 43229
614-431-9292 (CHRISTOPHER MCCLOSKEY)
CHRISMCCLOSKEY@THAYERPC.COM

WINDSTREAM-KDL
65 E. WINNERLINE RD
EATON, OH 45320
937-260-3062 (LEON TAYLER)
LEON.TAYLER@WINDSTREAM.COM

CROWN CASTLE FIBER
10188 INTERNATIONAL BOULEVARD
CONCINNATI, OH 45246
614-506-2846 (CRAIG WHEELER)
CRAIG.WHEELER@CROWNCastle.COM

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.

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.

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 SHEET P.5 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: SYTATIC GLOBAL POSITIONING SURVEYING
MONUMENT TYPE: CONCRETE MONUMENT

VERTICAL POSITIONING


ORTHOMETRIC HEIGHT DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
GEOID: GEOID 18

HORIZONTAL POSITIONING (STATE PLANE OR OCCS) STATE PLANE

COORDINATE SYSTEM
REFERENCE FRAME: NSRS 2011, SOUTH ZONE
ELLIPSOID: GRS 80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: NORTH AMERICAN DATUM OF 1983 (NAD 83)
COMBINED SCALE FACTOR: 1.00007188
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 CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

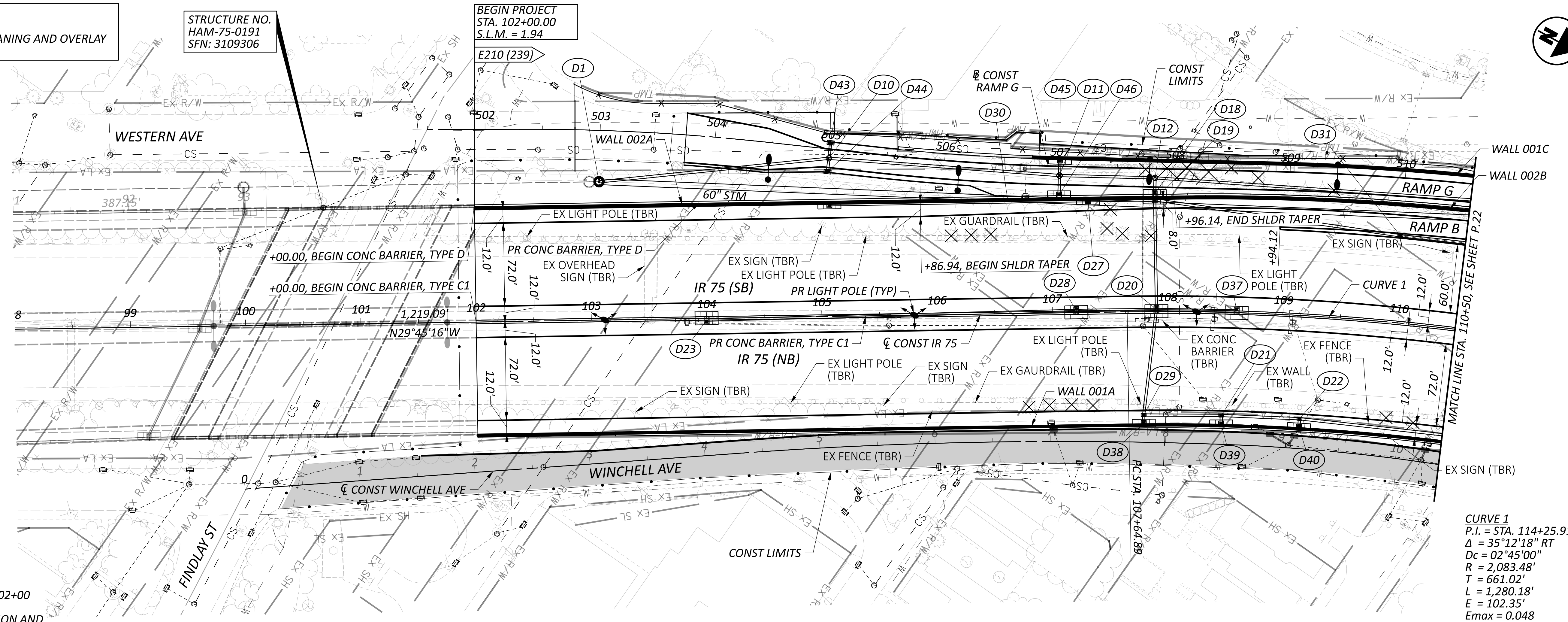
DESIGN AGENCY

DESIGNER
JDK
REVIEWER
MJR 06-21-24
PROJECT ID
114161
SHEET TOTAL
P.20 463

NOTE TO REVIEWERS:
 THE DESIGN SOUTH OF STA 102+00
 WILL BE REFINED IN STAGE 2
 WITH ONGOING COORDINATION AND
 CONSTRUCTION SCHEDULE OF
 HAM-75-1.05, PID 113361.

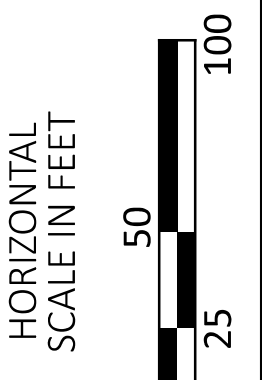
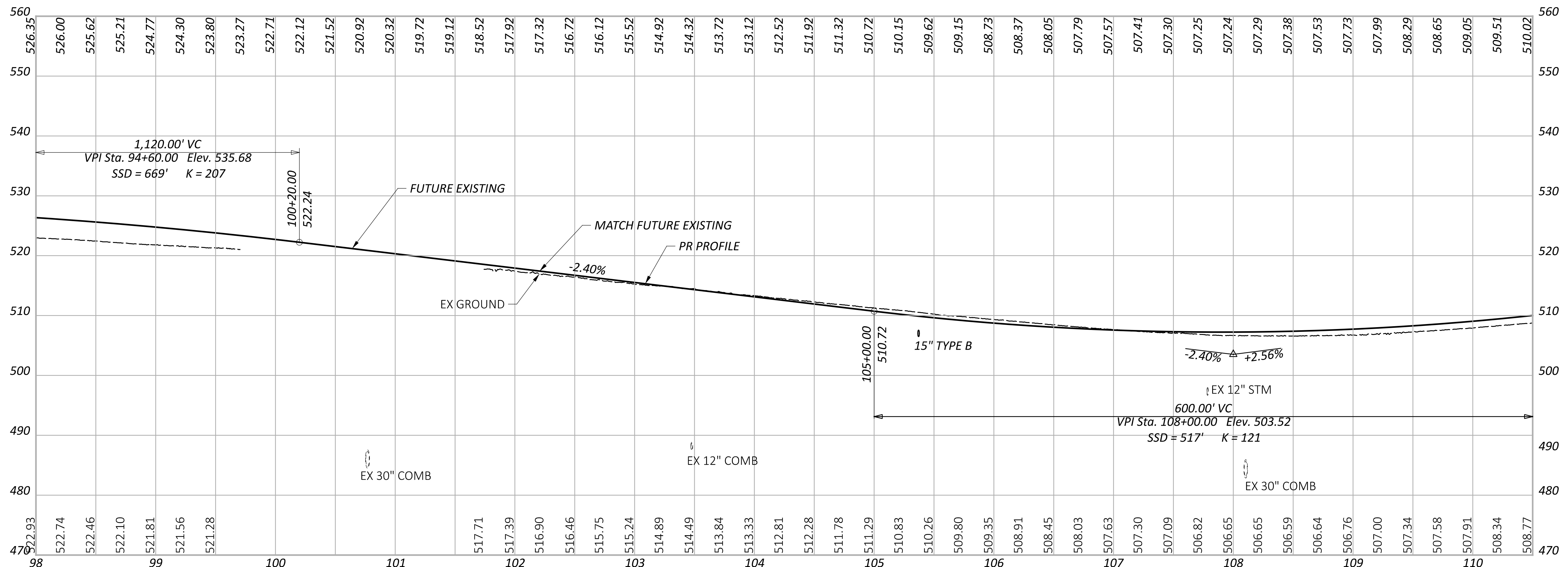
LEGEND
 - PAVEMENT PLANING AND OVERLAY

STRUCTURE NO.
 HAM-75-0191
 SFN: 3109306

BEGIN PROJECT
 STA. 102+00.00
 S.L.M. = 1.94

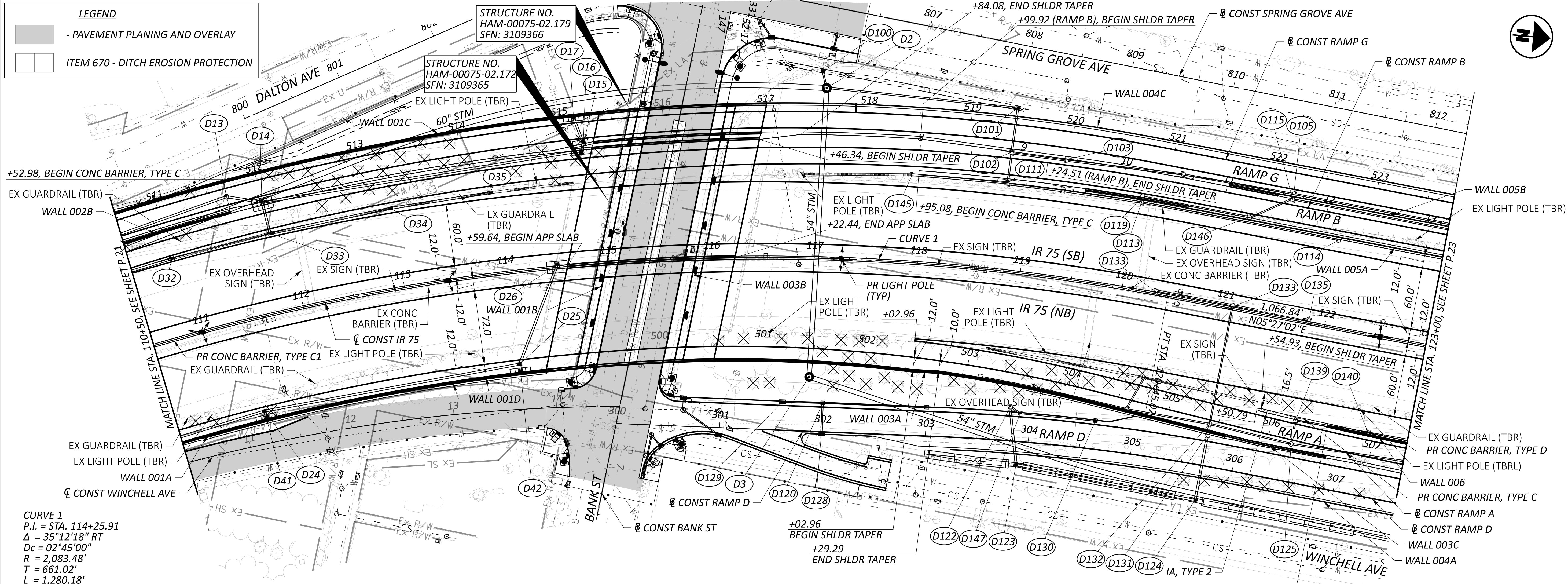


CURVE 1
 P.I. = STA. 114+25.91
 $\Delta = 35^\circ 12' 18''$ RT
 $D_c = 02^\circ 45' 00''$
 $R = 2,083.48'$
 $T = 661.02'$
 $L = 1,280.18'$
 $E = 102.35'$
 $E_{max} = 0.048$

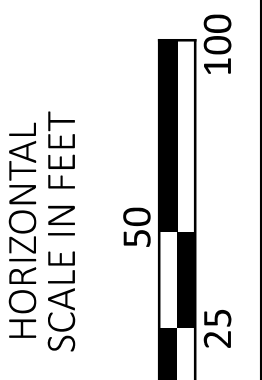
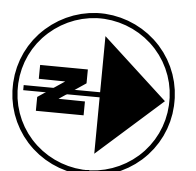
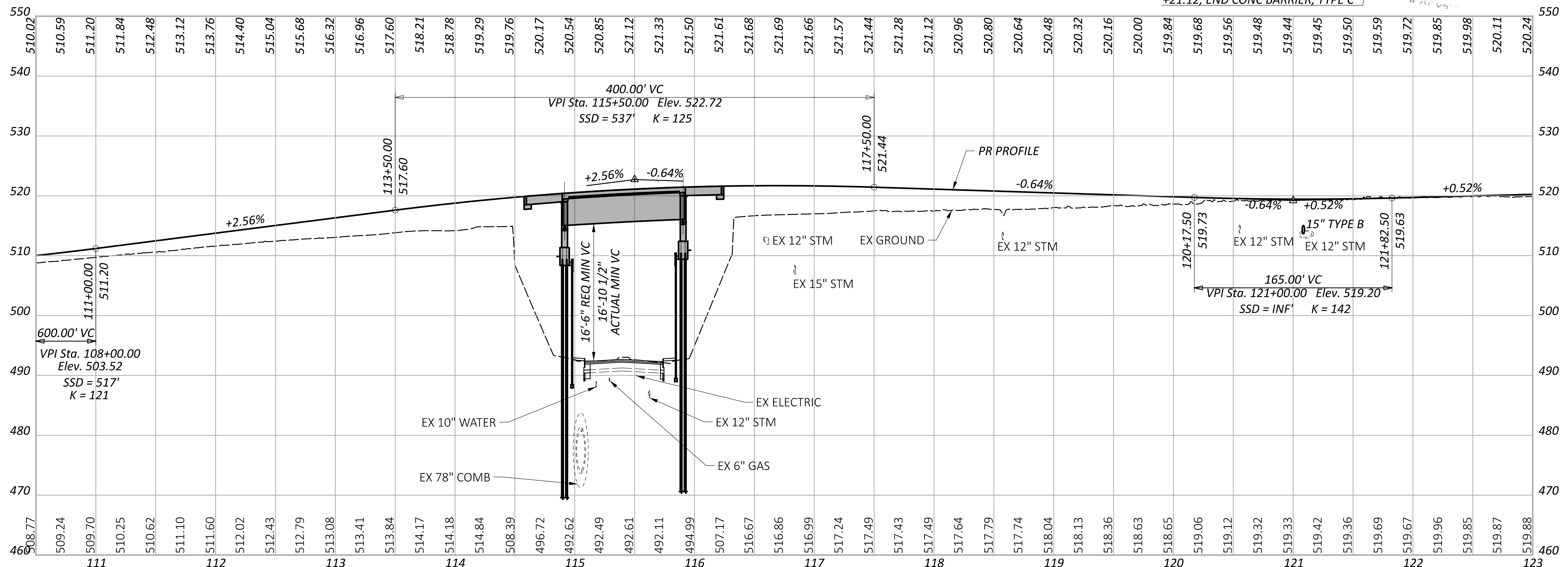


PLAN AND PROFILE - IR 75
 STA 98+00 TO STA 110+50

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161
 SHEET TOTAL
 P.21 463



CURVE 1
 P.I. = STA. 114+25.91
 $\Delta = 35^\circ 12' 18''$ RT
 $D_c = 02^\circ 45' 00''$
 $R = 2,083.48'$
 $T = 661.02'$
 $L = 1,280.18'$
 $E = 102.35'$
 $E_{max} = 0.048$



PLAN AND PROFILE - IR 75
 STA 110+50 TO STA 123+00

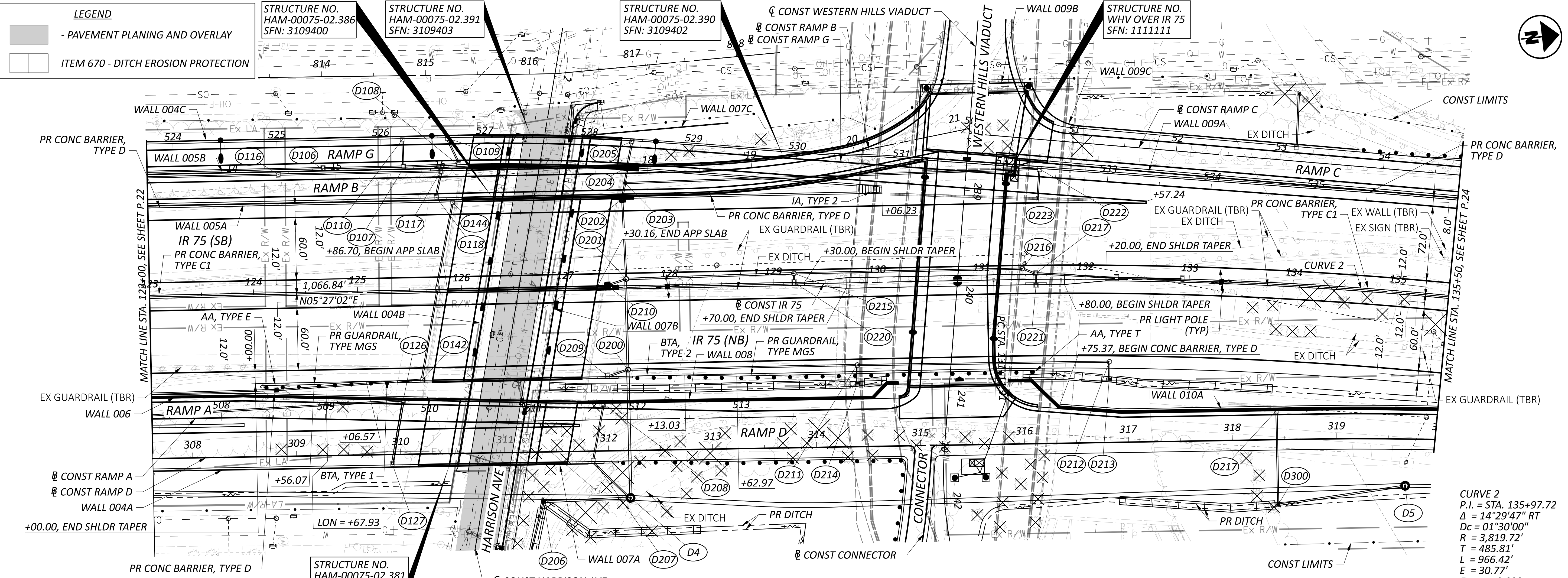
DESIGN AGENCY
EMHT

DESIGNER
 SJB

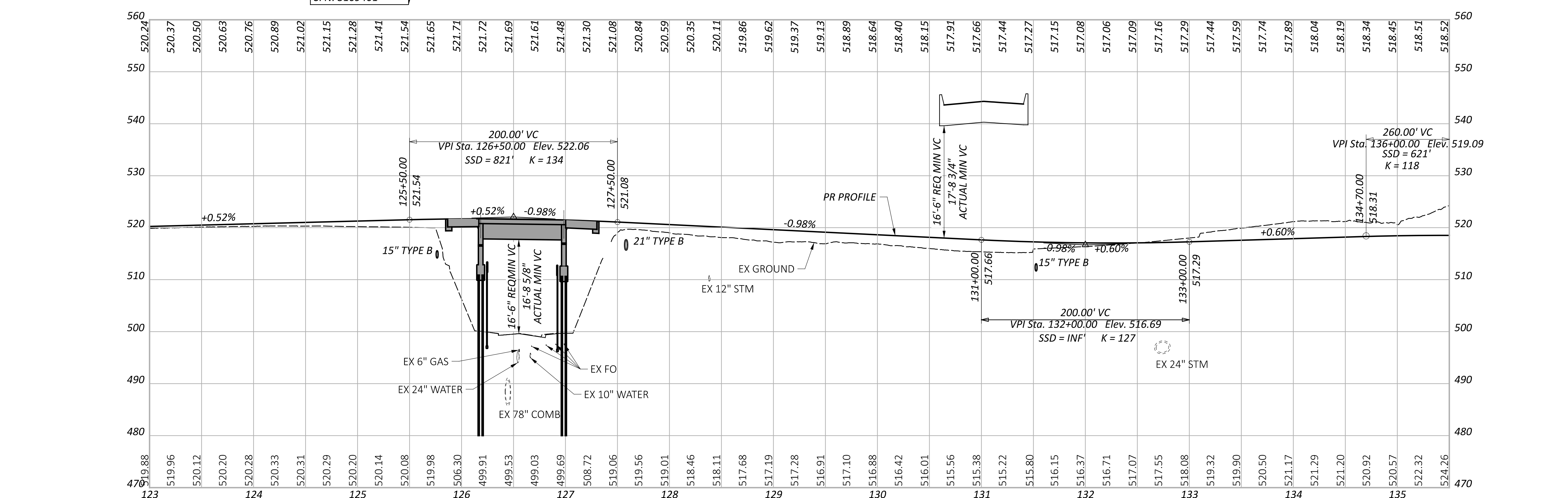
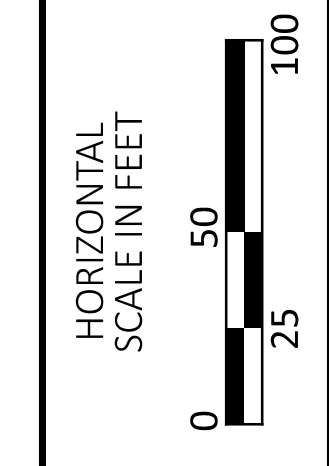
REVIEWER
 MJR 06/21/24

PROJECT ID
 114161

SHEET TOTAL
 P.22 463



CURVE 2
 P.I. = STA. 135+97.72
 $\Delta = 14^\circ 29' 47''$ RT
 $D_c = 01^\circ 30' 00''$
 $R = 3,819.72'$
 $T = 485.81'$
 $L = 966.42'$
 $E = 30.77'$
 $E_{max} = 0.032$



PLAN AND PROFILE - IR 75
 STA 123+00 TO STA 135+50

DESIGN AGENCY
EMHT

DESIGNER
 SJB

REVIEWER
 MJR 06/21/24

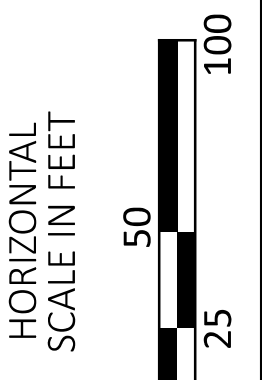
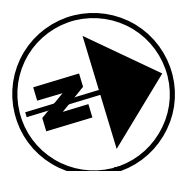
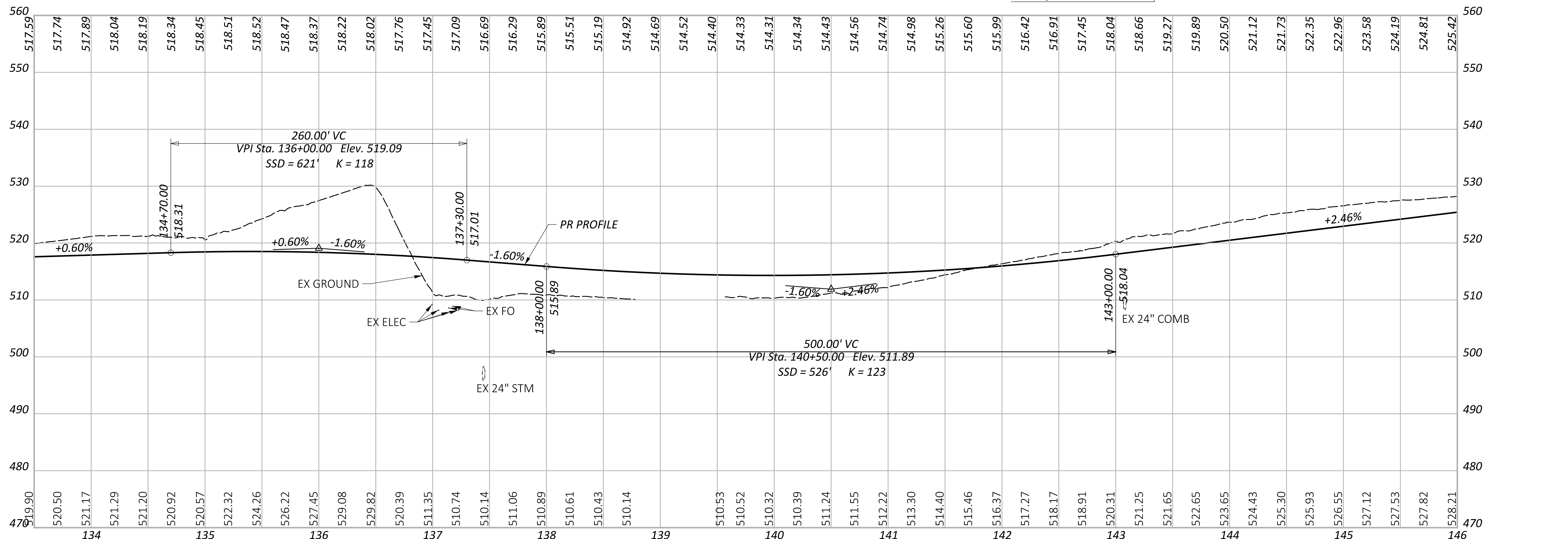
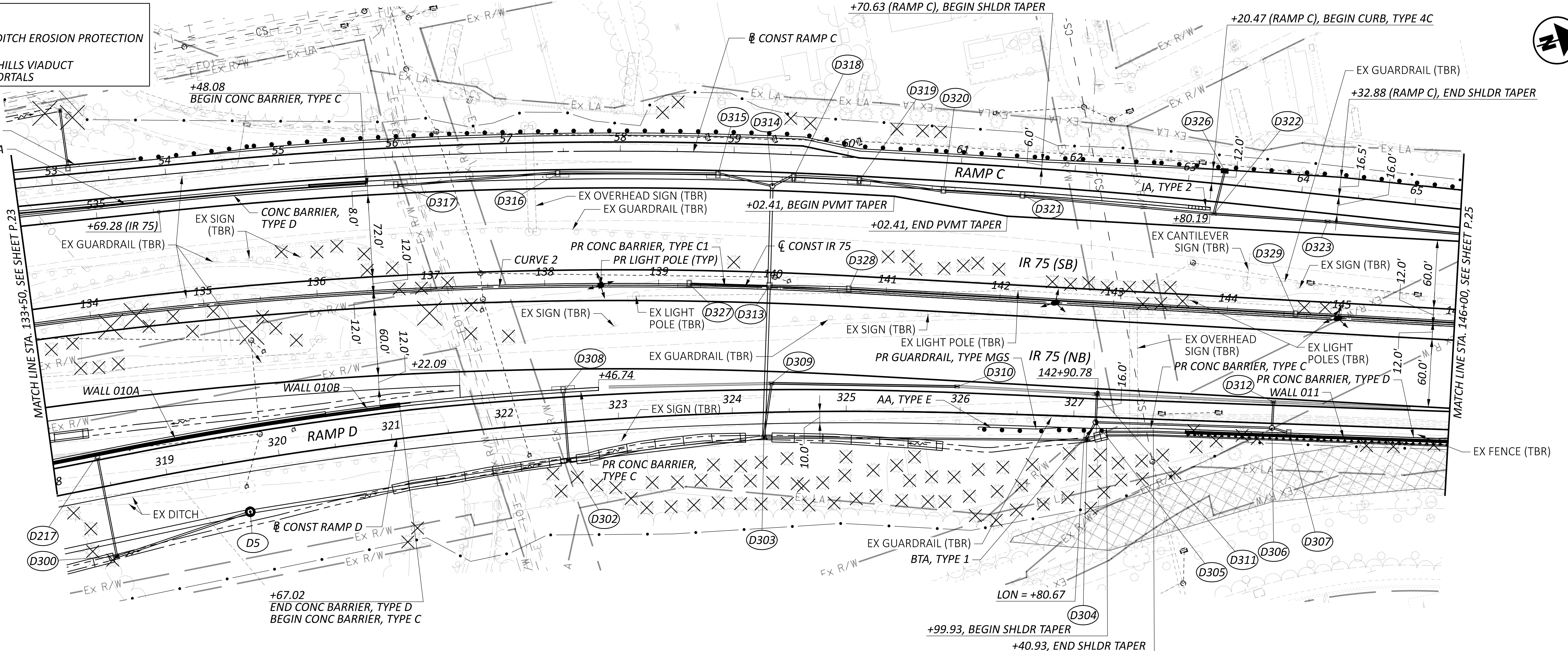
PROJECT ID
 114161

SHEET TOTAL
 P.23 463

LEGEND

- ITEM 670 - DITCH EROSION PROTECTION
- WESTERN HILLS VIADUCT SUBWAY PORTALS

CURVE 2
 P.I. = STA. 135+97.72
 $\Delta = 14^{\circ}29'47''$ RT
 $D_c = 01^{\circ}30'00''$
 $R = 3,819.72'$
 $T = 485.81'$
 $L = 966.42'$
 $E = 30.77'$
 $E_{max} = 0.032$



PLAN AND PROFILE - IR 75
STA 133+50 TO STA 146+00

DESIGN AGENCY
EMHT

DESIGNER
 SJB

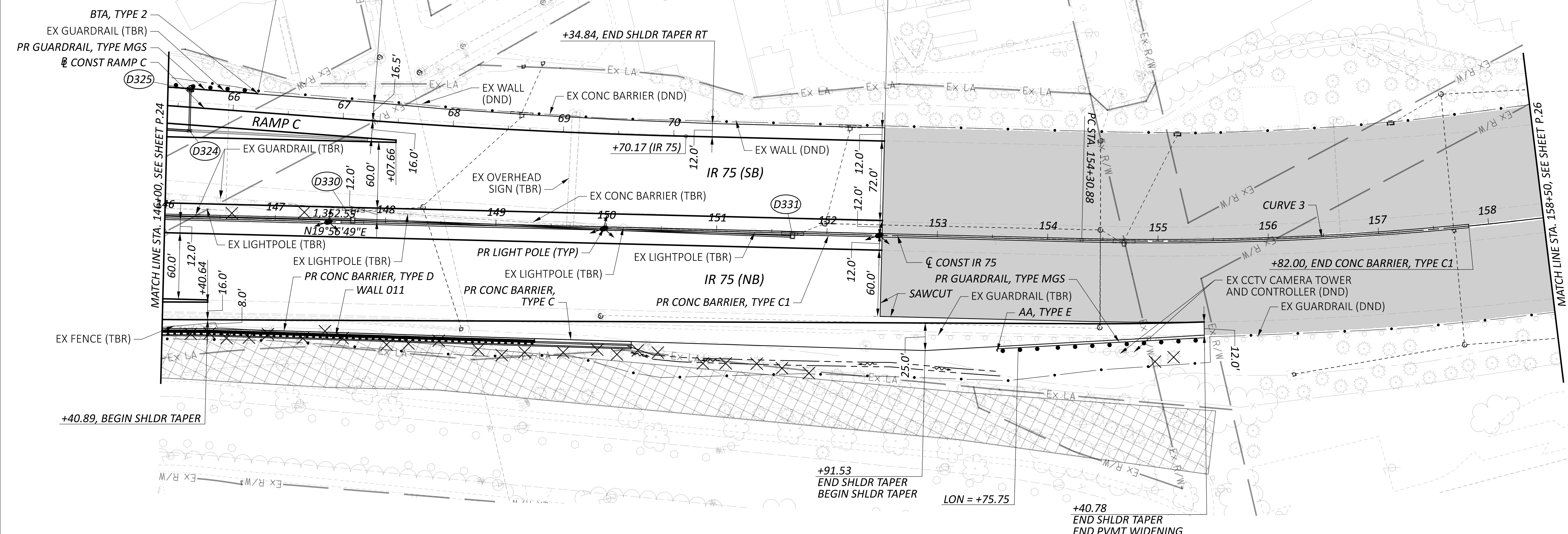
REVIEWER
 MJR 06/21/24

PROJECT ID
 114161

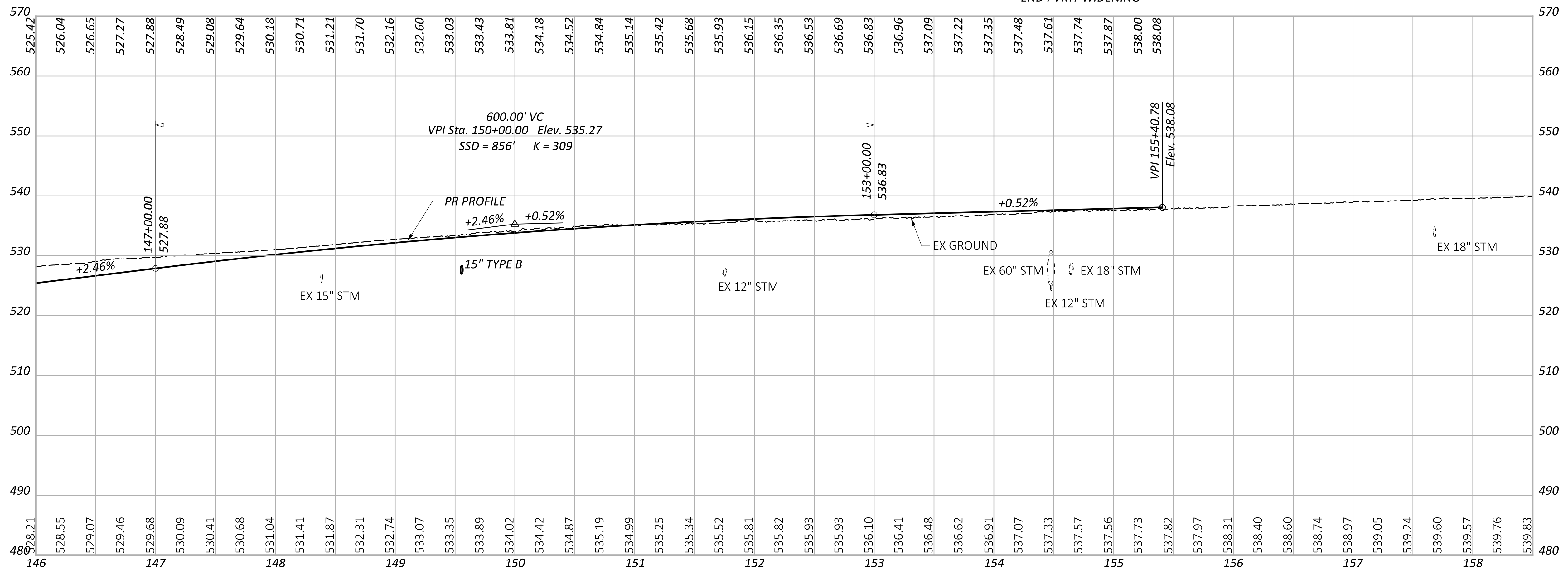
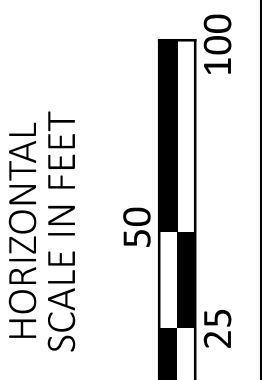
SHEET TOTAL
 P.25 463

LEGEND

- PAVEMENT PLANING AND OVERLAY
- WESTERN HILLS VIADUCT SUBWAY PORTALS



CURVE 3
 P.I. = STA. 163+68.90
 $\Delta = 36^{\circ}15'37''$ LT
 $Dc = 02^{\circ}00'00''$
 $R = 2,864.79'$
 $T = 938.02'$
 $L = 1,813.01'$
 $E = 149.66'$
 $E_{max} = 0.030$



PLAN AND PROFILE - IR 75
 STA 146+00 TO STA 158+50

DESIGN AGENCY
EMHT

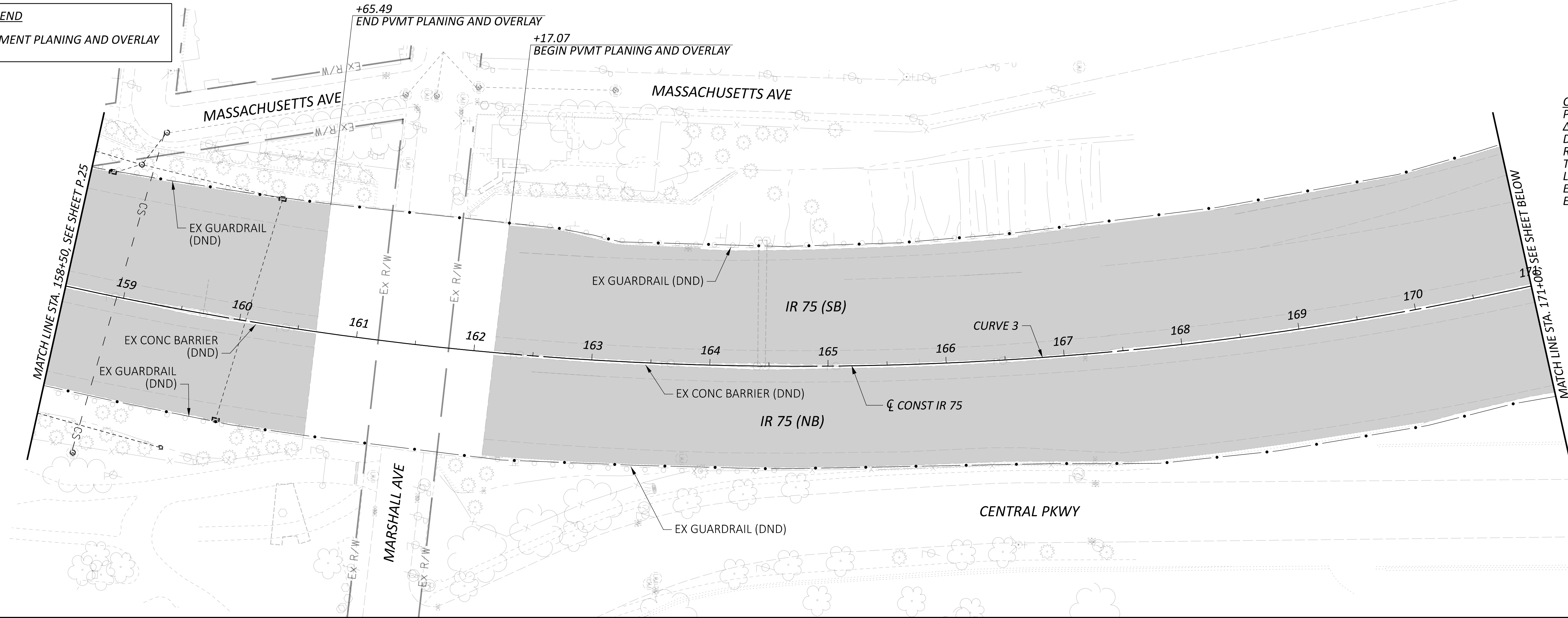
DESIGNER
 SJB

REVIEWER
 MJR 06/21/24

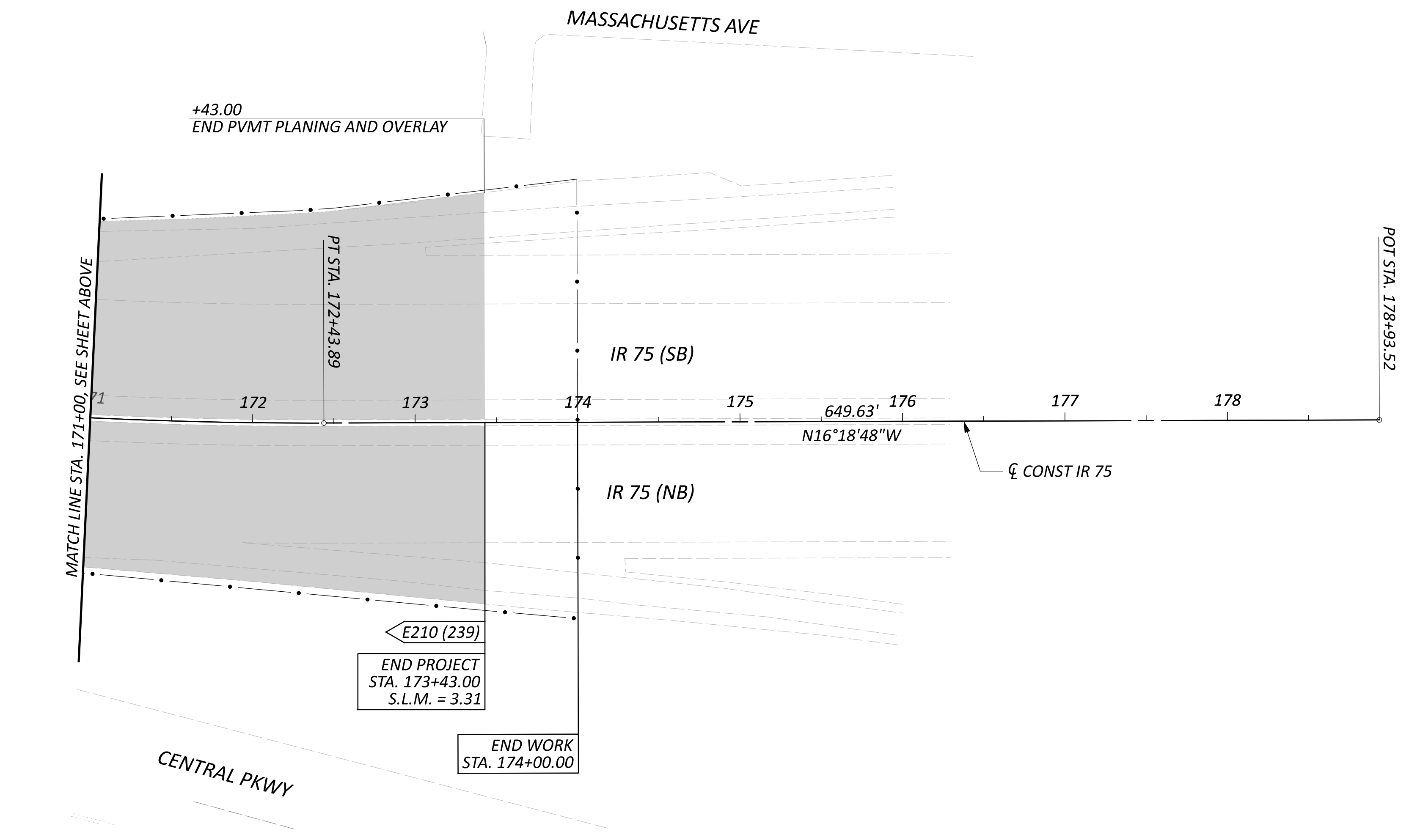
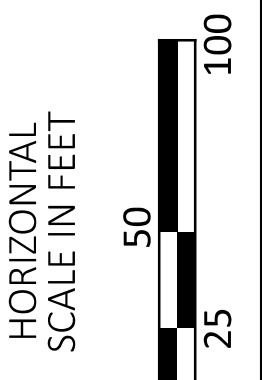
PROJECT ID
 114161

SHEET TOTAL
 P.24 463

LEGEND
 - PAVEMENT PLANING AND OVERLAY

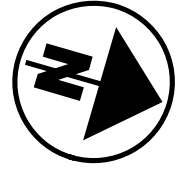


CURVE 3
 P.I. = STA. 163+68.90
 Δ = 36°15'37" LT
 Dc = 02°00'00"
 R = 2,864.79'
 T = 938.02'
 L = 1,813.01'
 E = 149.66'
 E_{max} = 0.030



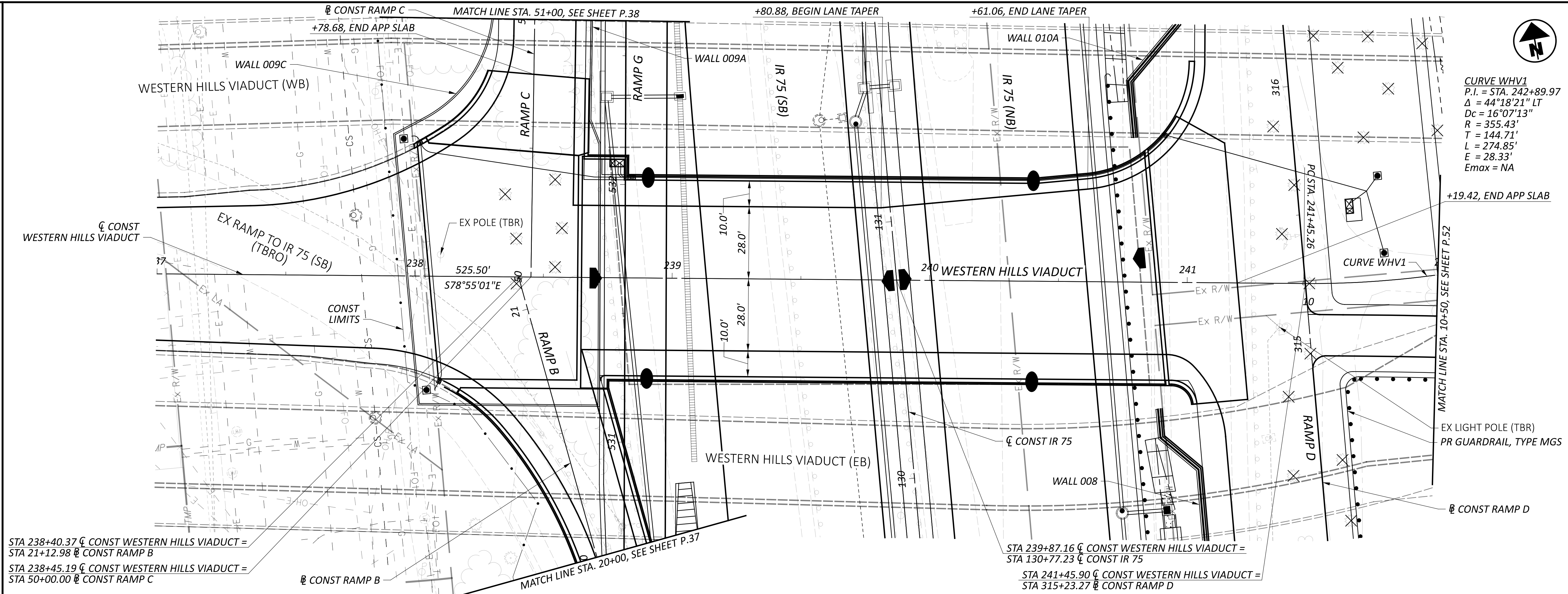
E210 (239)
 END PROJECT
 STA. 173+43.00
 S.L.M. = 3.31

END WORK
 STA. 174+00.00



PLAN - IR 75
 STA 158+50 TO STA 178+93.52

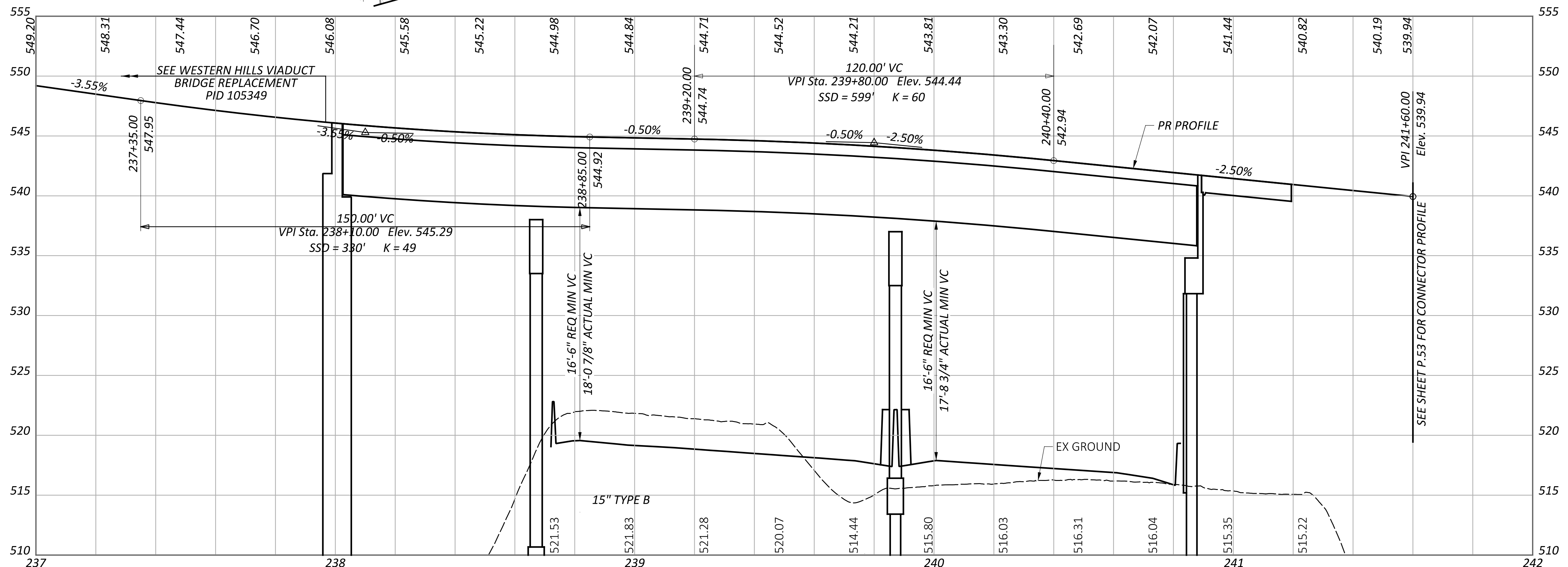
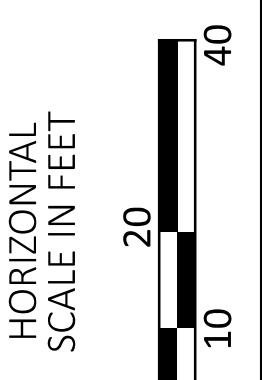
DESIGN AGENCY	
EMHT	
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	TOTAL
P.26	463



STA 238+40.37 ϕ CONST WESTERN HILLS VIADUCT =
 STA 21+12.98 ϕ CONST RAMP B
 STA 238+45.19 ϕ CONST WESTERN HILLS VIADUCT =
 STA 50+00.00 ϕ CONST RAMP C

STA 239+87.16 ϕ CONST WESTERN HILLS VIADUCT =
 STA 130+77.23 ϕ CONST IR 75
 STA 241+45.90 ϕ CONST WESTERN HILLS VIADUCT =
 STA 315+23.27 ϕ CONST RAMP D

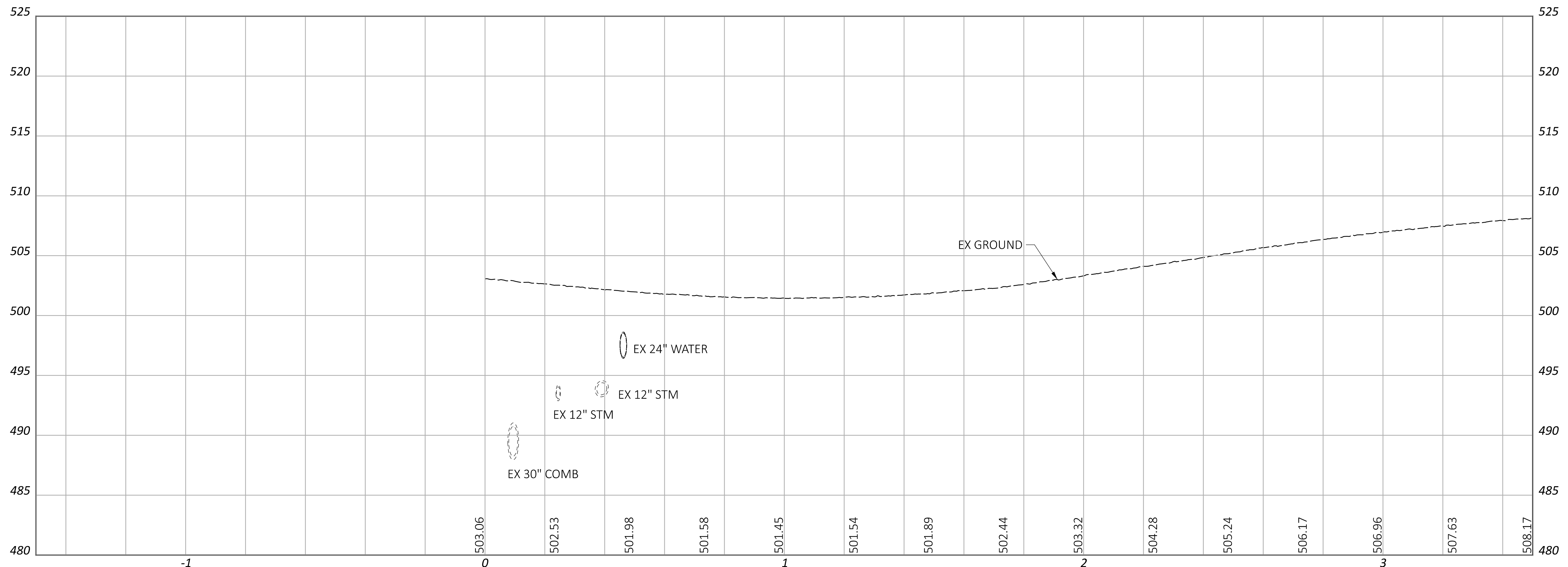
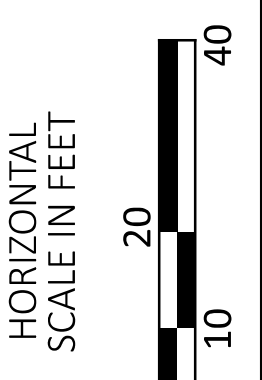
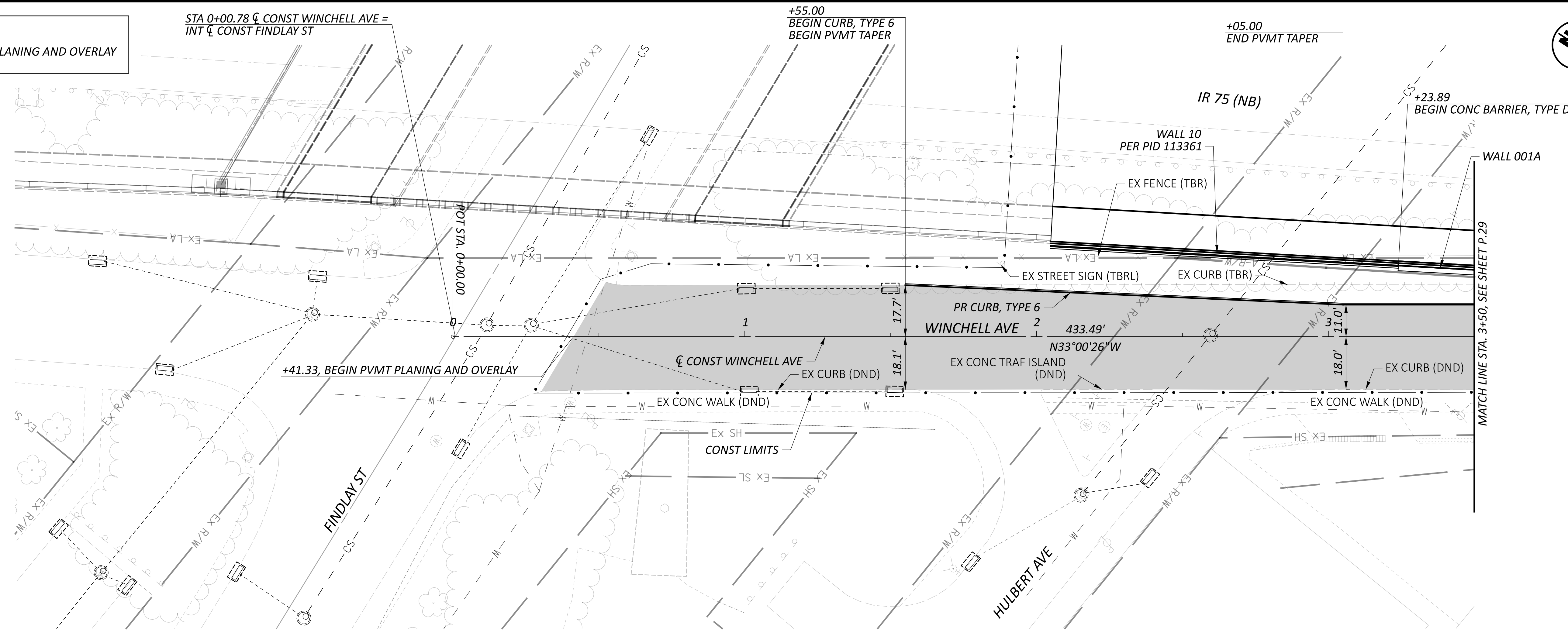
CURVE WHV1
 P.I. = STA. 242+89.97
 $\Delta = 44^\circ 18' 21''$ LT
 $D_c = 16^\circ 07' 13''$
 $R = 355.43'$
 $T = 144.71'$
 $L = 274.85'$
 $E = 28.33'$
 $E_{max} = NA$



PLAN AND PROFILE - WESTERN HILLS VIADUCT
 STA 237+00.00 TO STA 242+00.00

DESIGN AGENCY	EMHT
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	P.27
TOTAL	463


LEGEND
- PAVEMENT PLANING AND OVERLAY

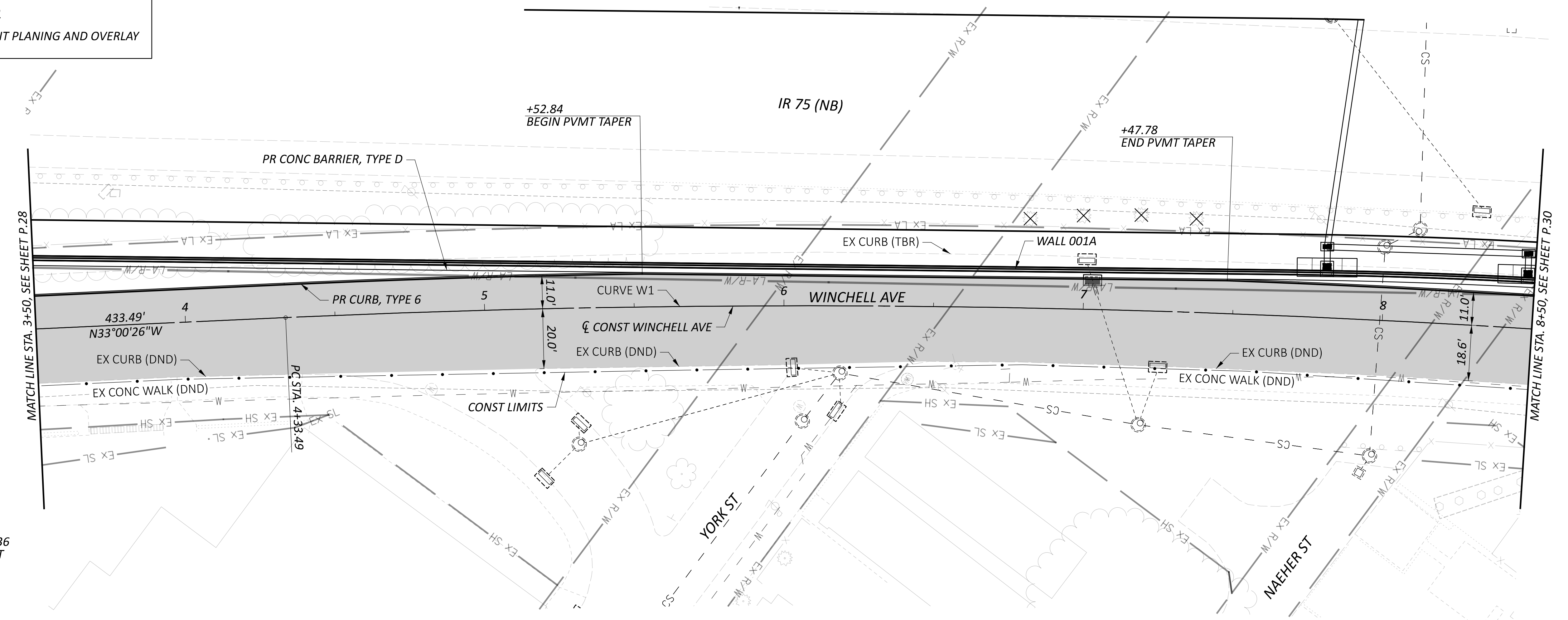
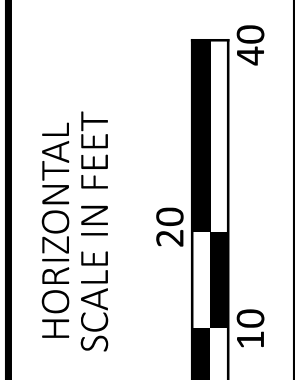


PLAN AND PROFILE - WINCHELL AVE
STA 0+00.00 TO STA 3+50.00

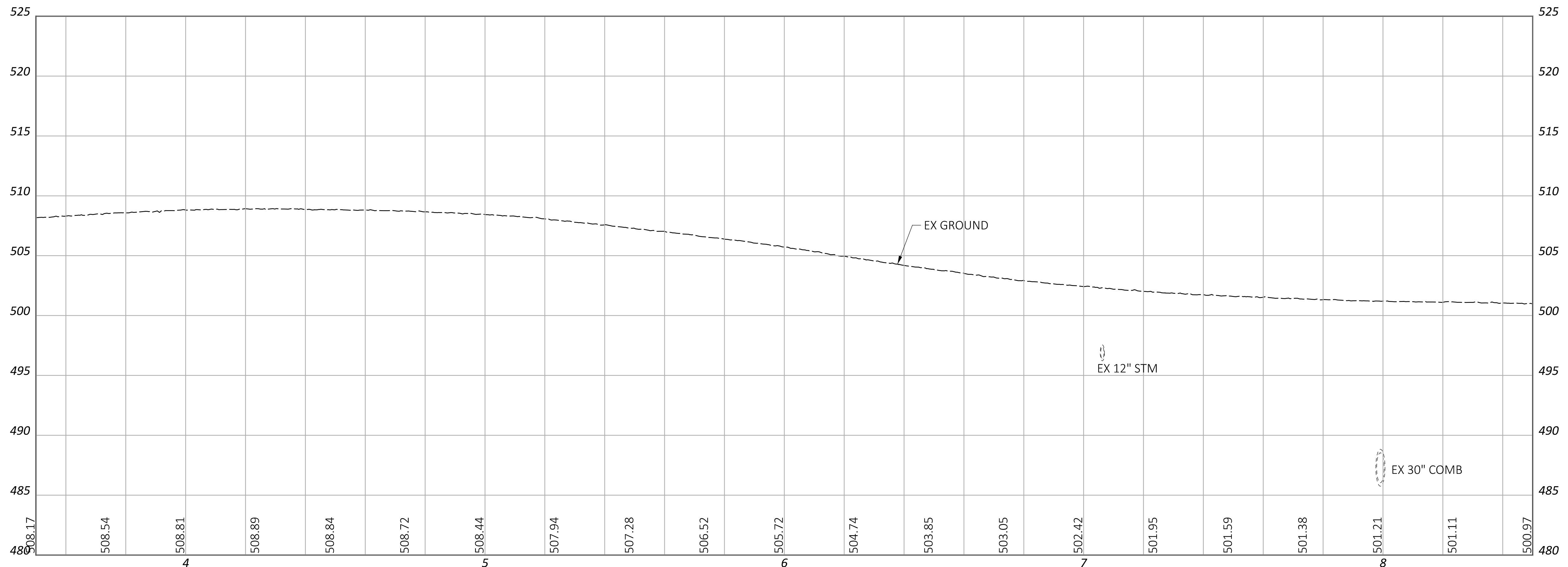
DESIGN AGENCY	EMHT
DESIGNER	BLM
REVIEWER	MJR 06-21-24
PROJECT ID	114161
SHEET	P.28
TOTAL	463

LEGEND

 - PAVEMENT PLANING AND OVERLAY




CURVE W1
 P.I. = STA. 6+43.36
 $\Delta = 06^{\circ}17'27''$ RT
 $D_c = 01^{\circ}30'01''$
 $R = 3,819.21'$
 $T = 209.88'$
 $L = 419.33'$
 $E = 5.76'$



PLAN AND PROFILE - WINCHELL AVE
 STA 3+50.00 TO STA 8+50.00

DESIGN AGENCY



DESIGNER

BLM

REVIEWER

MJR 06-21-24

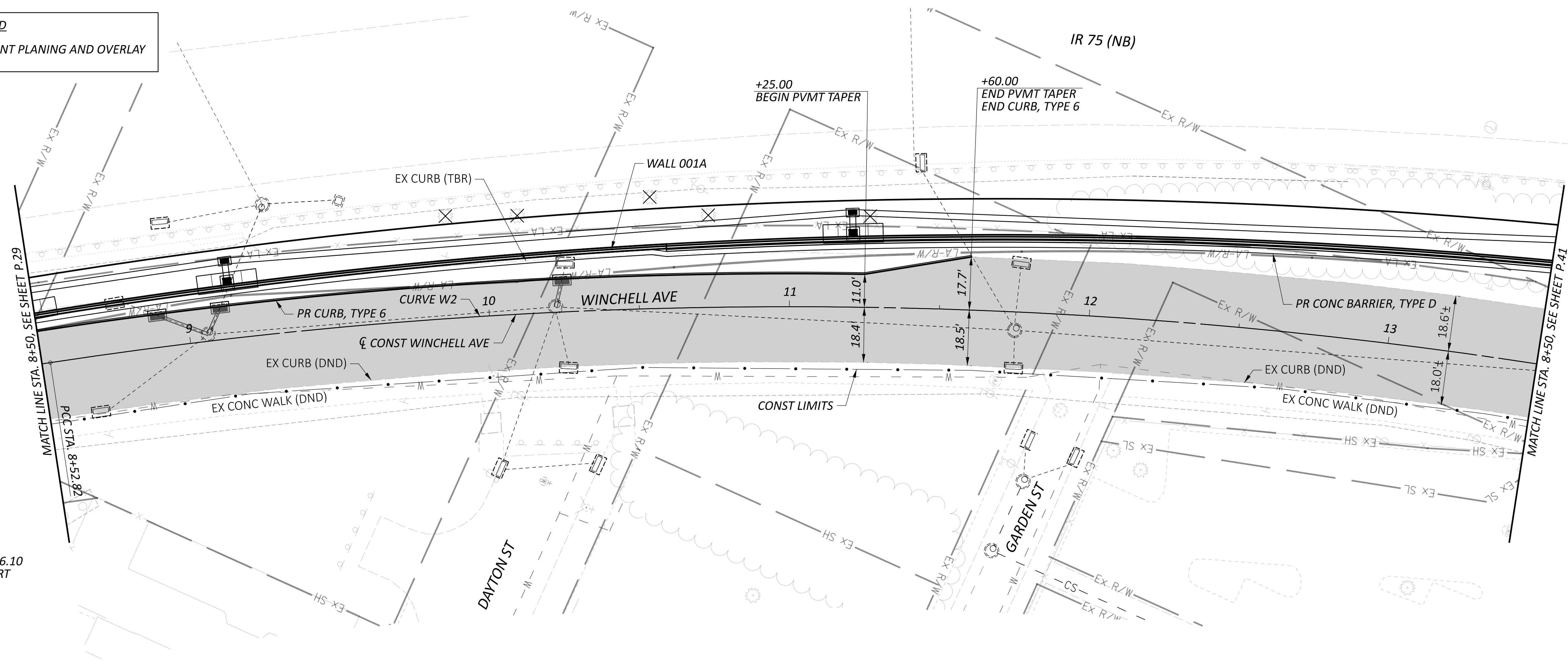
PROJECT ID

114161

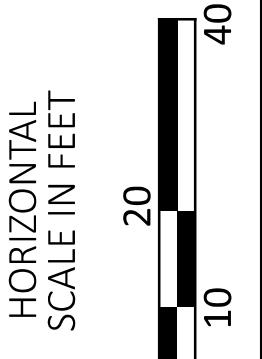
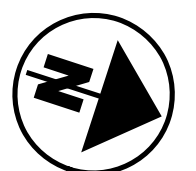
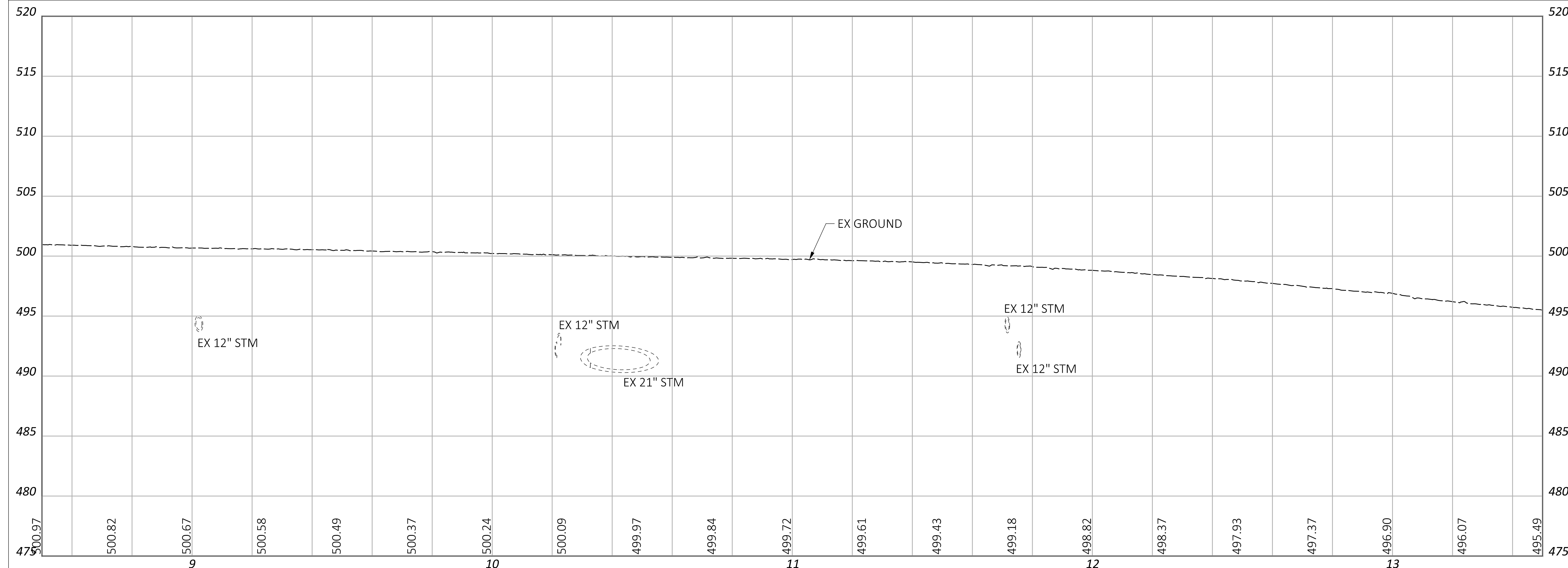
SHEET TOTAL

P.29 463

LEGEND
- PAVEMENT PLANING AND OVERLAY

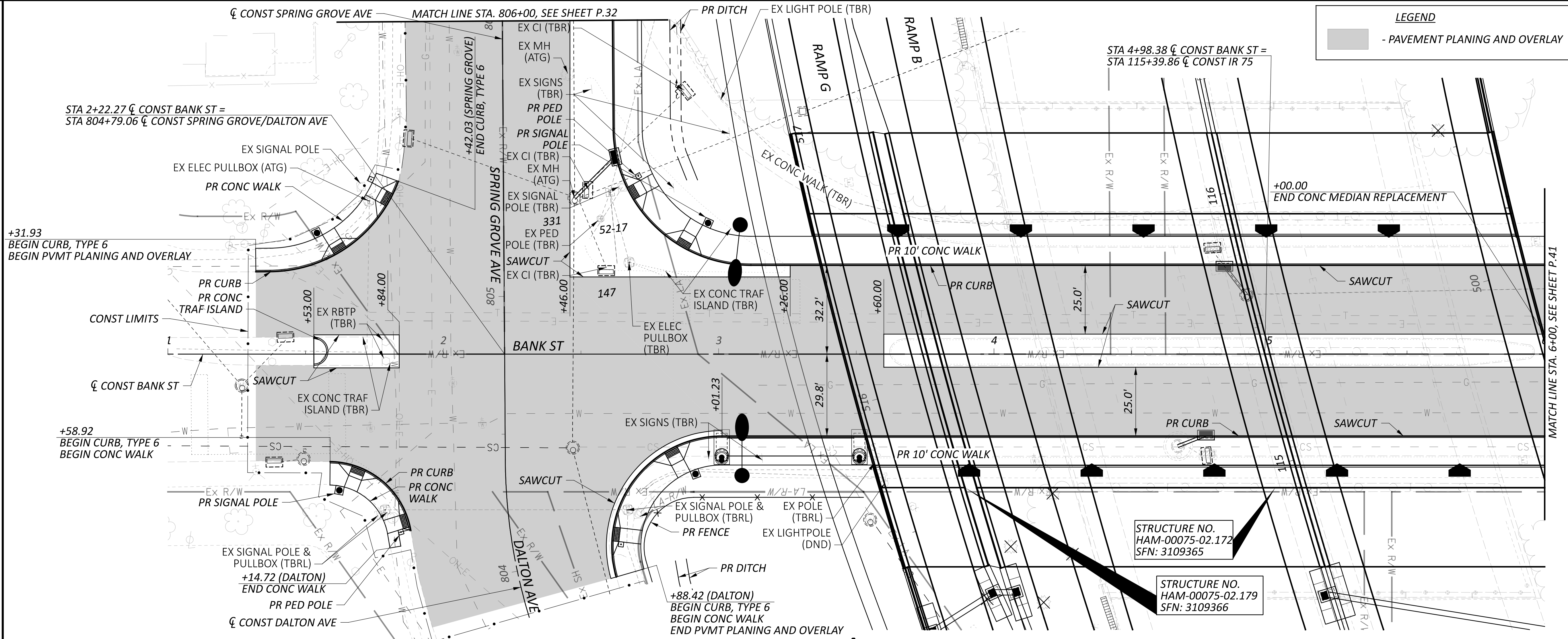


CURVE W2
 P.I. = STA. 11+56.10
 $\Delta = 20^{\circ}59'39''$ RT
 $D_c = 03^{\circ}30'02''$
 $R = 1,636.82'$
 $T = 303.28'$
 $L = 599.76'$
 $E = 27.86'$



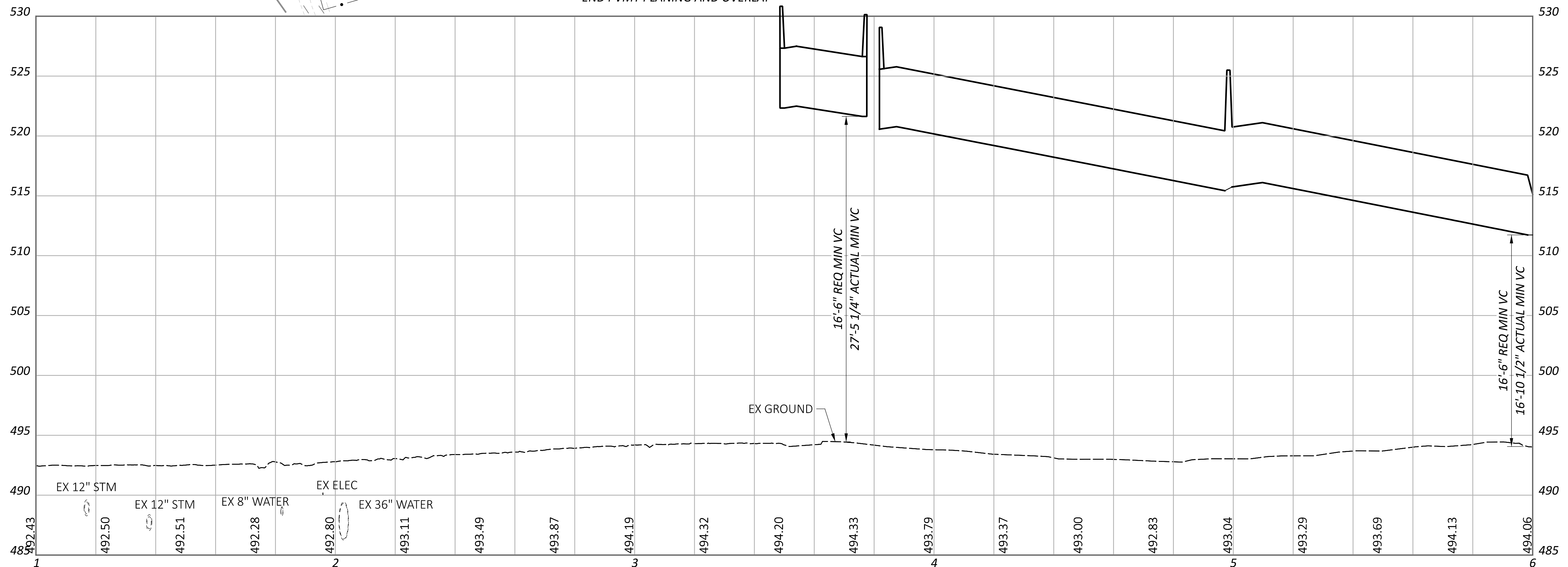
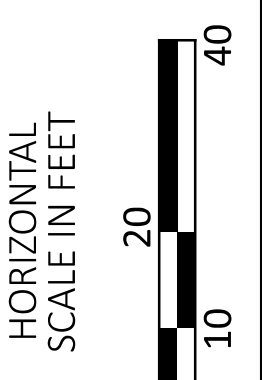
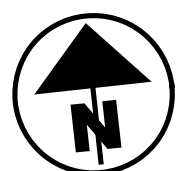
PLAN AND PROFILE - WINCHELL AVE
 STA 8+50.00 TO STA 13+50.00

DESIGN AGENCY
EMHT
 DESIGNER
 BLM
 REVIEWER
 MJR 06-21-24
 PROJECT ID
 114161
 SHEET TOTAL
 P.30 463



LEGEND

■ - PAVEMENT PLANNING AND OVERLAY

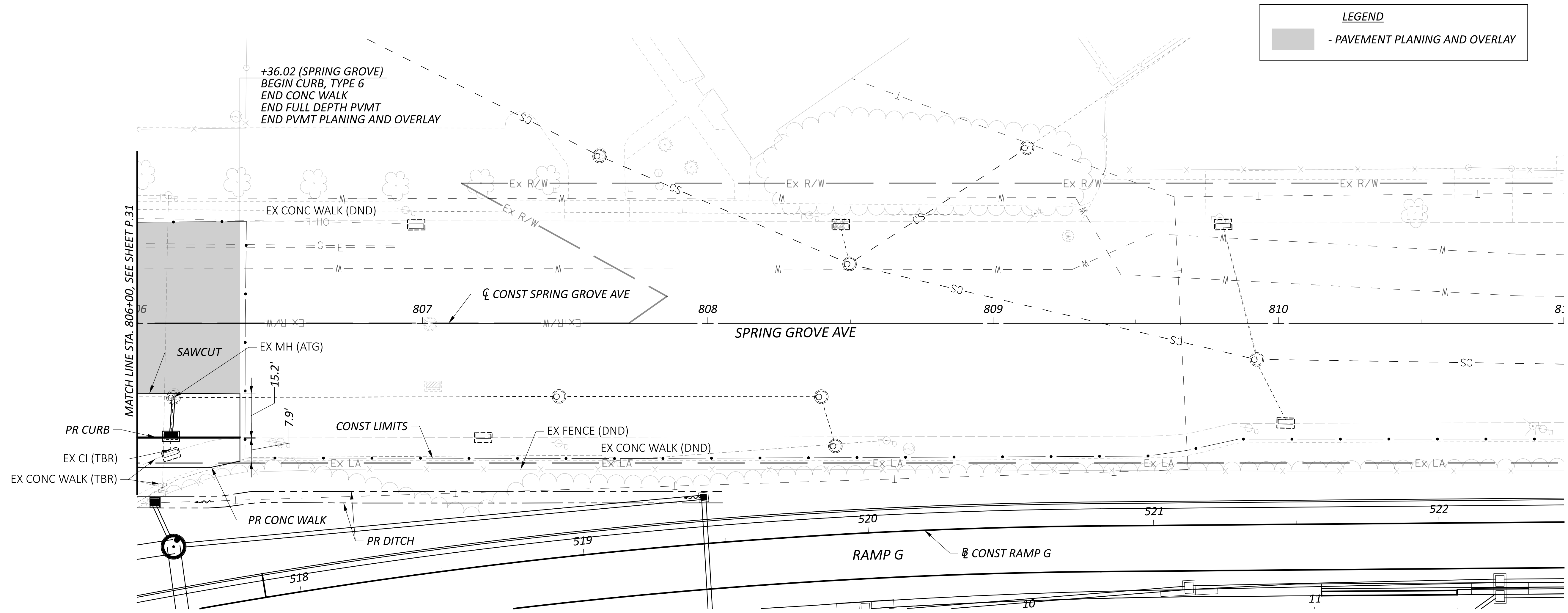


**PLAN AND PROFILE - BANK ST
STA 1+00.00 TO STA 6+00.00**

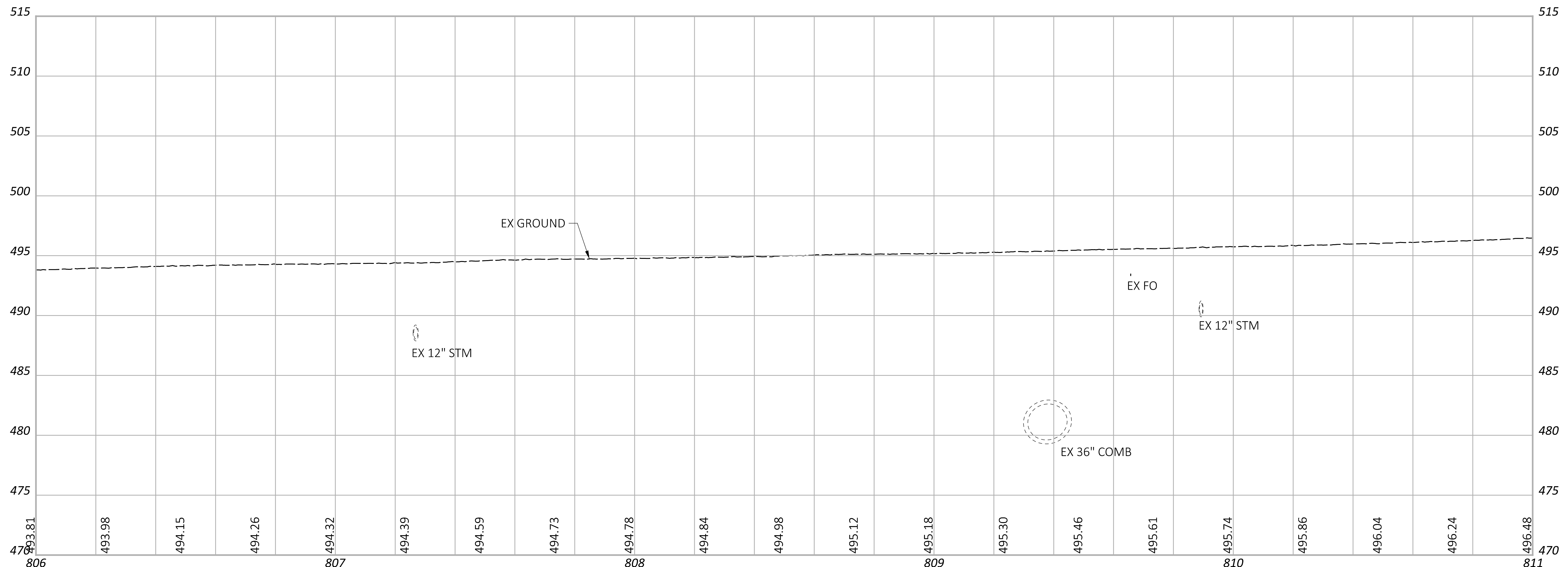
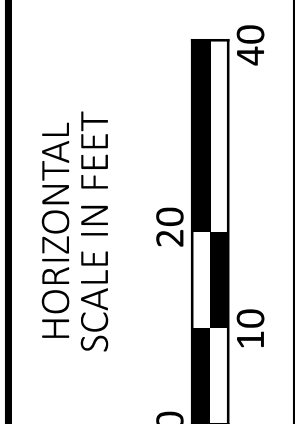
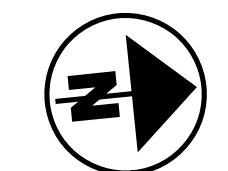
DESIGN AGENCY



DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	TOTAL
P.31	463

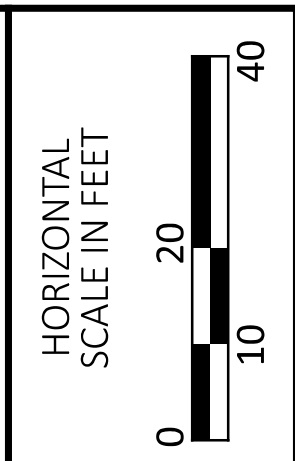
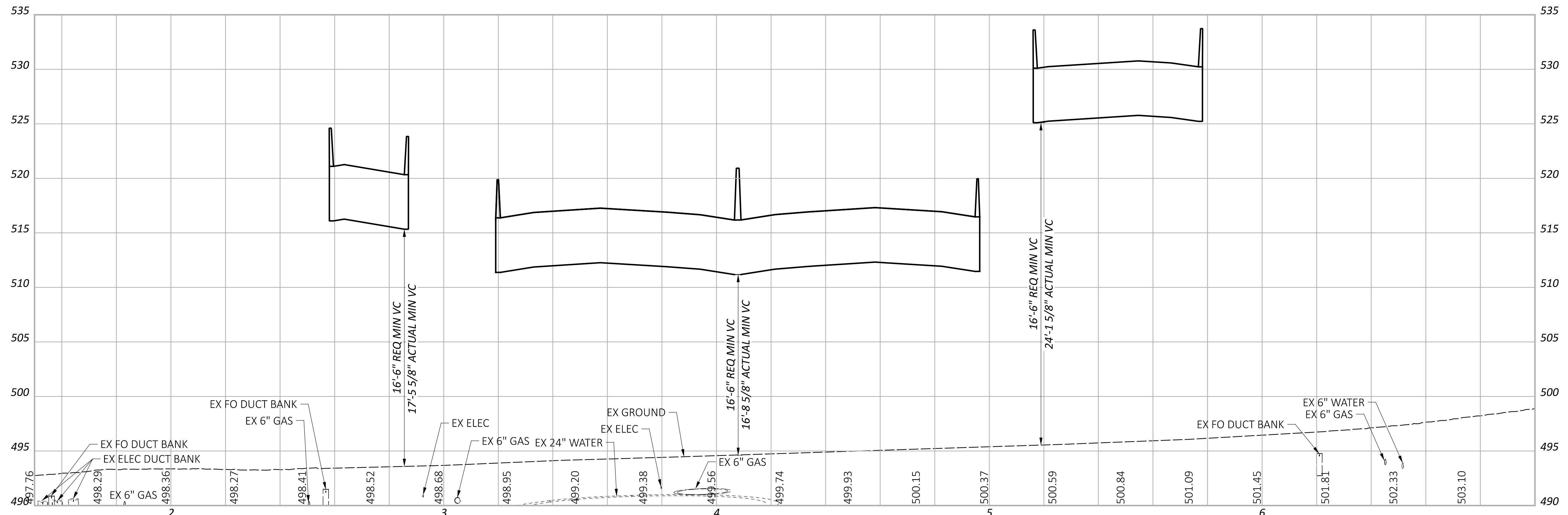
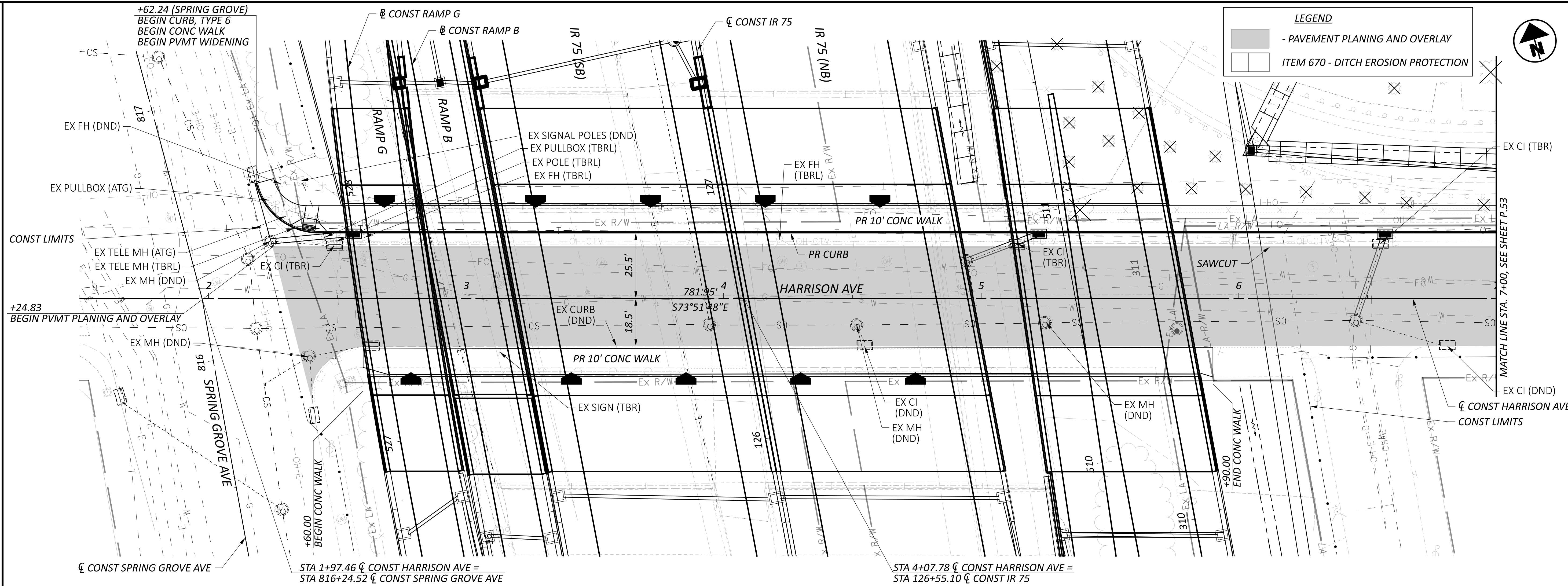


LEGEND
 [Grey Box] - PAVEMENT PLANING AND OVERLAY



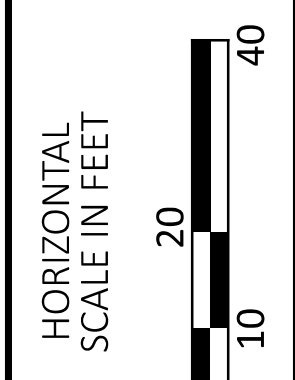
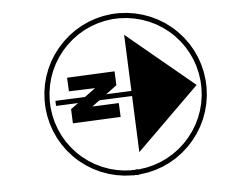
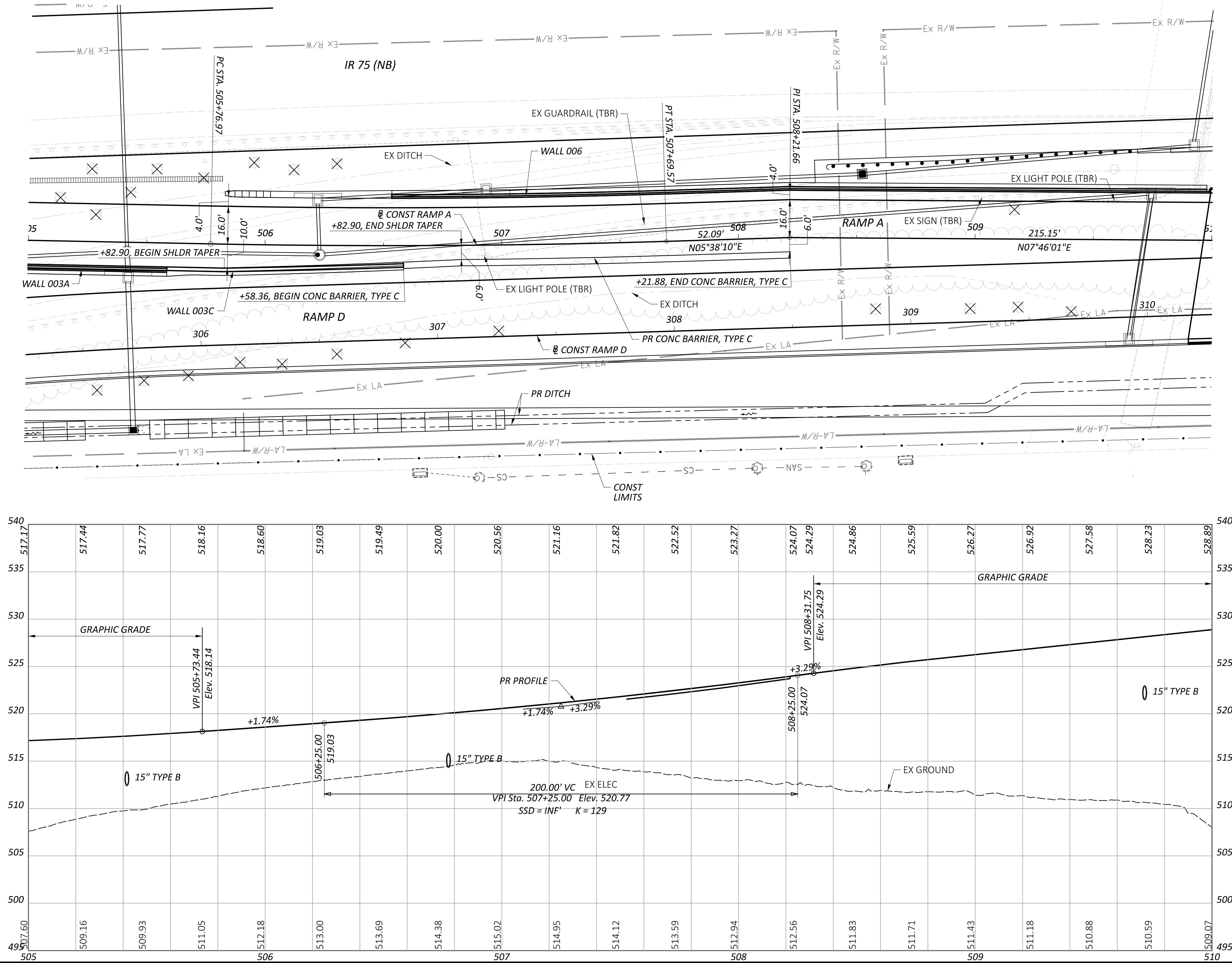
PLAN AND PROFILE - SPRING GROVE AVE
 STA 806+00 TO STA 811+00

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161
 SHEET TOTAL
 P.32 463



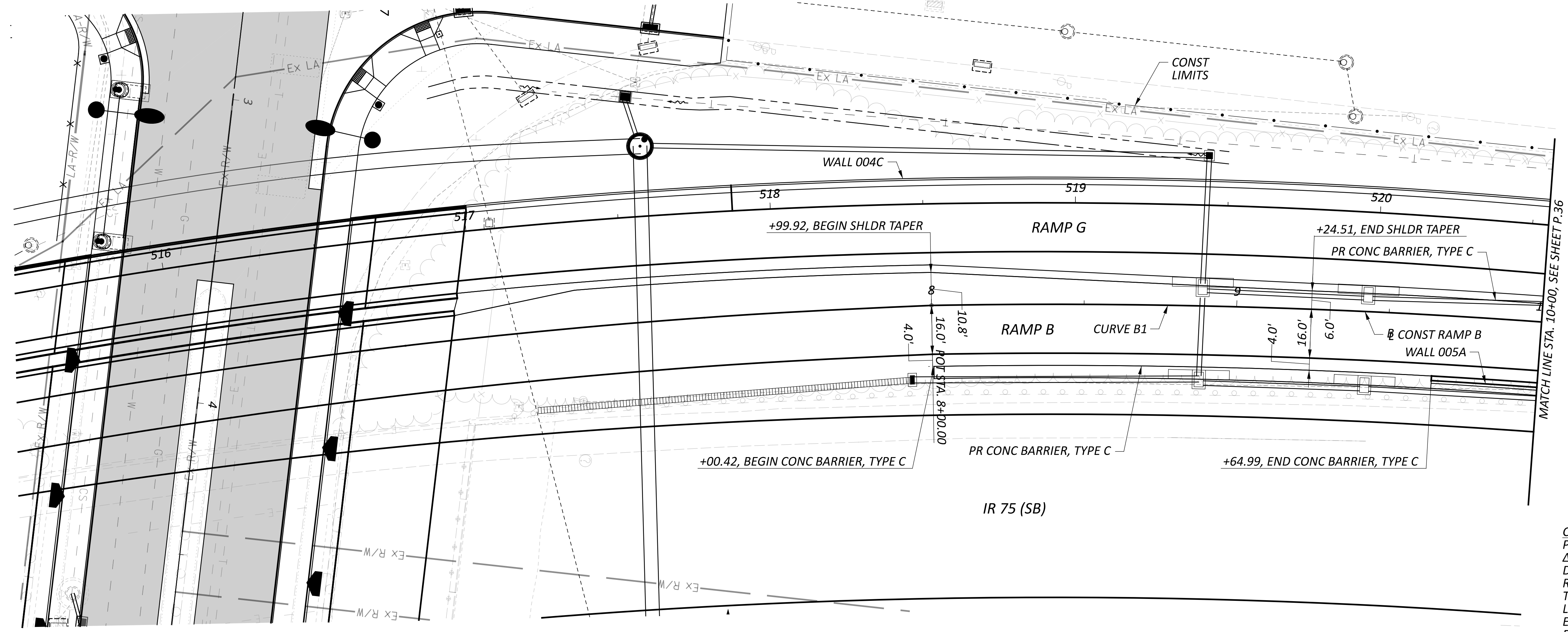
PLAN AND PROFILE - HARRISON AVE
STA 1+50.00 TO STA 7+00.00

DESIGN AGENCY	EMHT
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	P.33
TOTAL	463

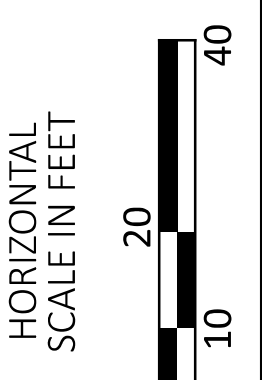
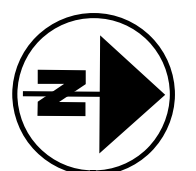
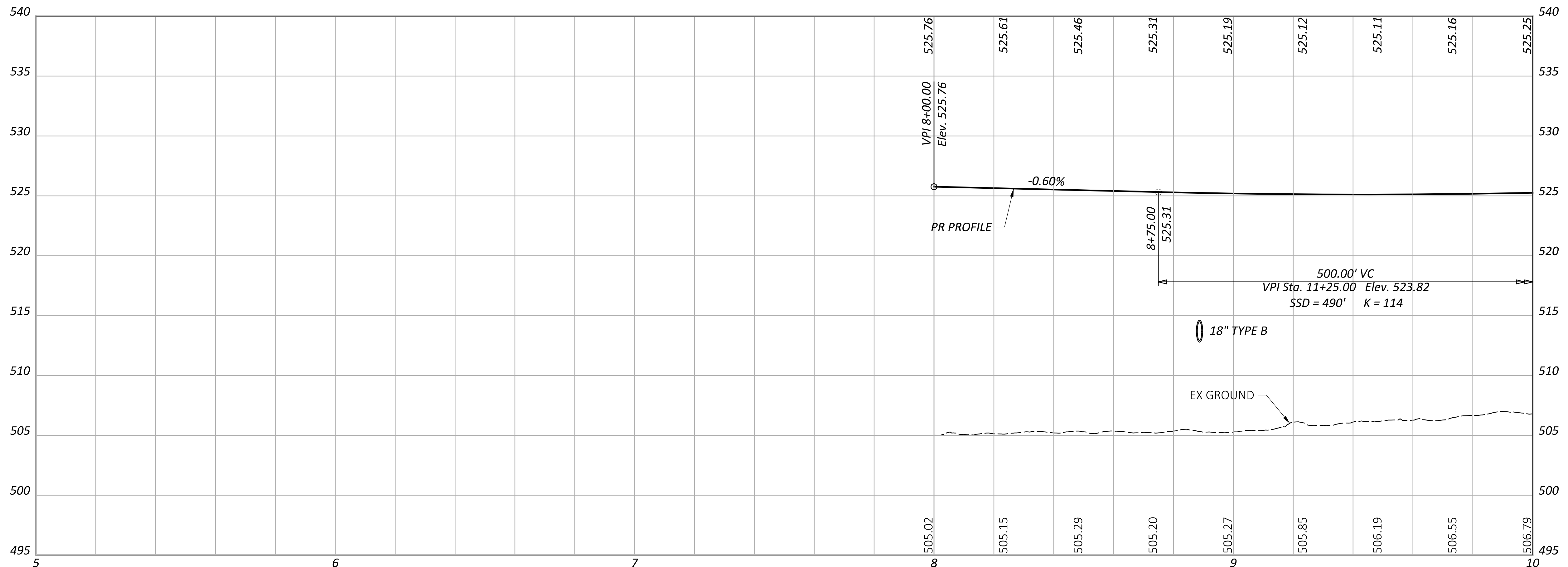


PLAN AND PROFILE - RAMP A
 STA 505+00.00 TO STA 510+00.00

DESIGN AGENCY	
EMHT	
DESIGNER	
SJB	
REVIEWER	
MJR 06/21/24	
PROJECT ID	
114161	
SHEET	TOTAL
P.34	463



CURVE B1
 P.I. = STA. 9+33.35
 $\Delta = 06^{\circ}53'09''$ RT
 $D_c = 02^{\circ}35'06''$
 $R = 2,216.45'$
 $T = 133.35'$
 $L = 266.37'$
 $E = 4.01'$
 $E_{max} = 0.042$



PLAN AND PROFILE - RAMP B
 STA 8+00.00 TO STA 10+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

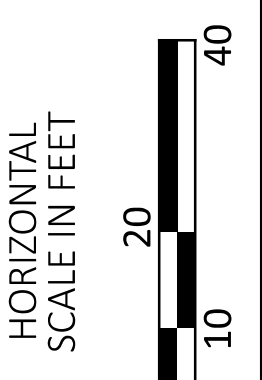
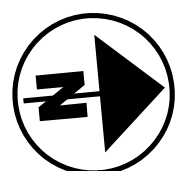
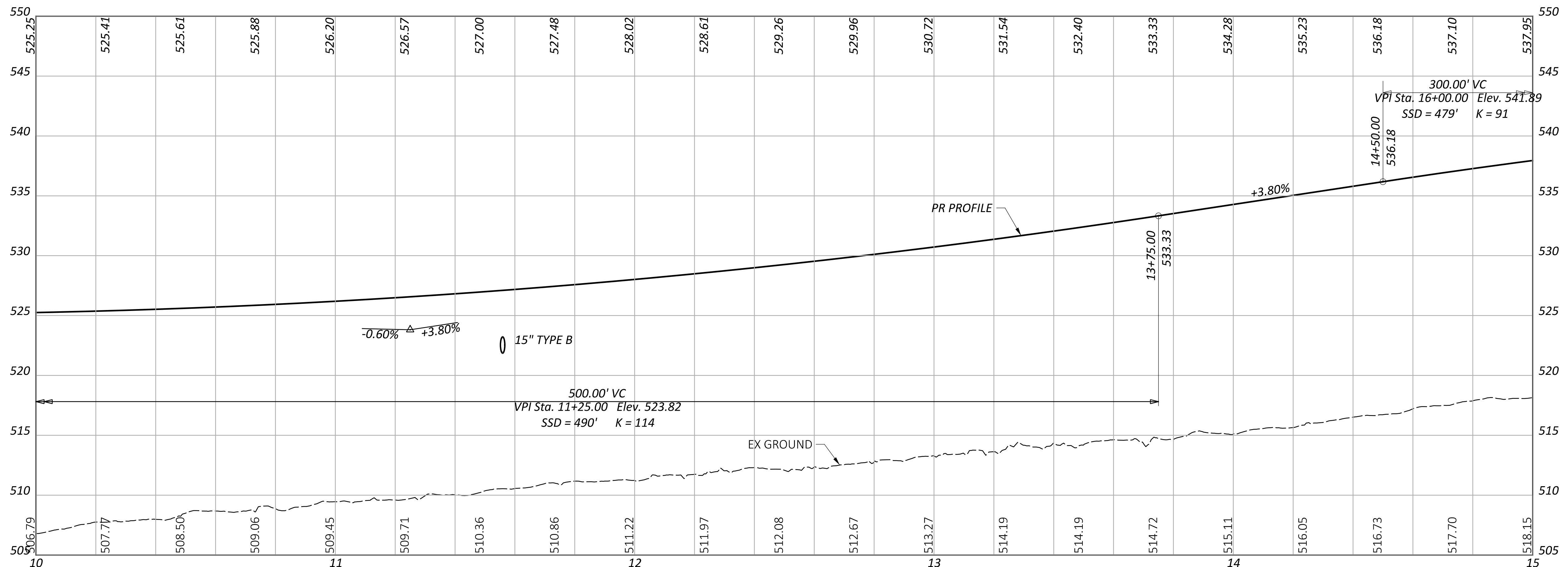
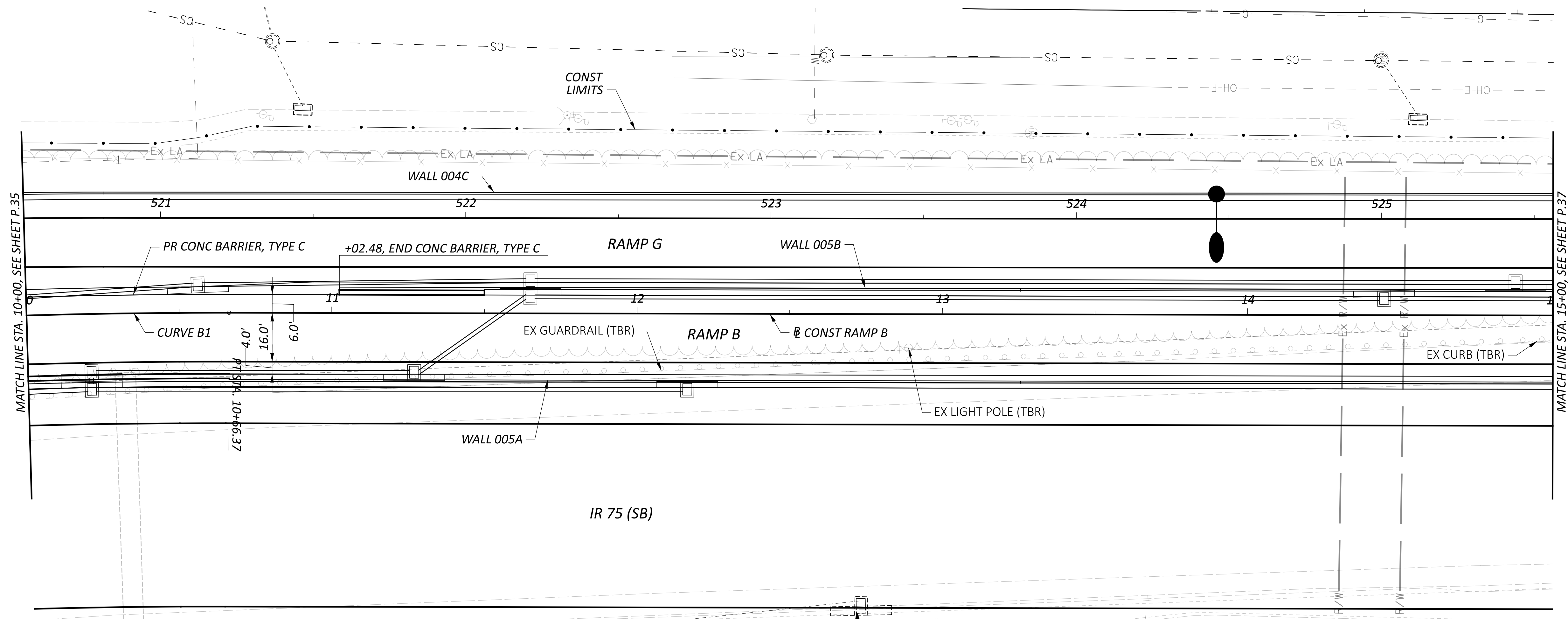
PROJECT ID

114161

SHEET TOTAL

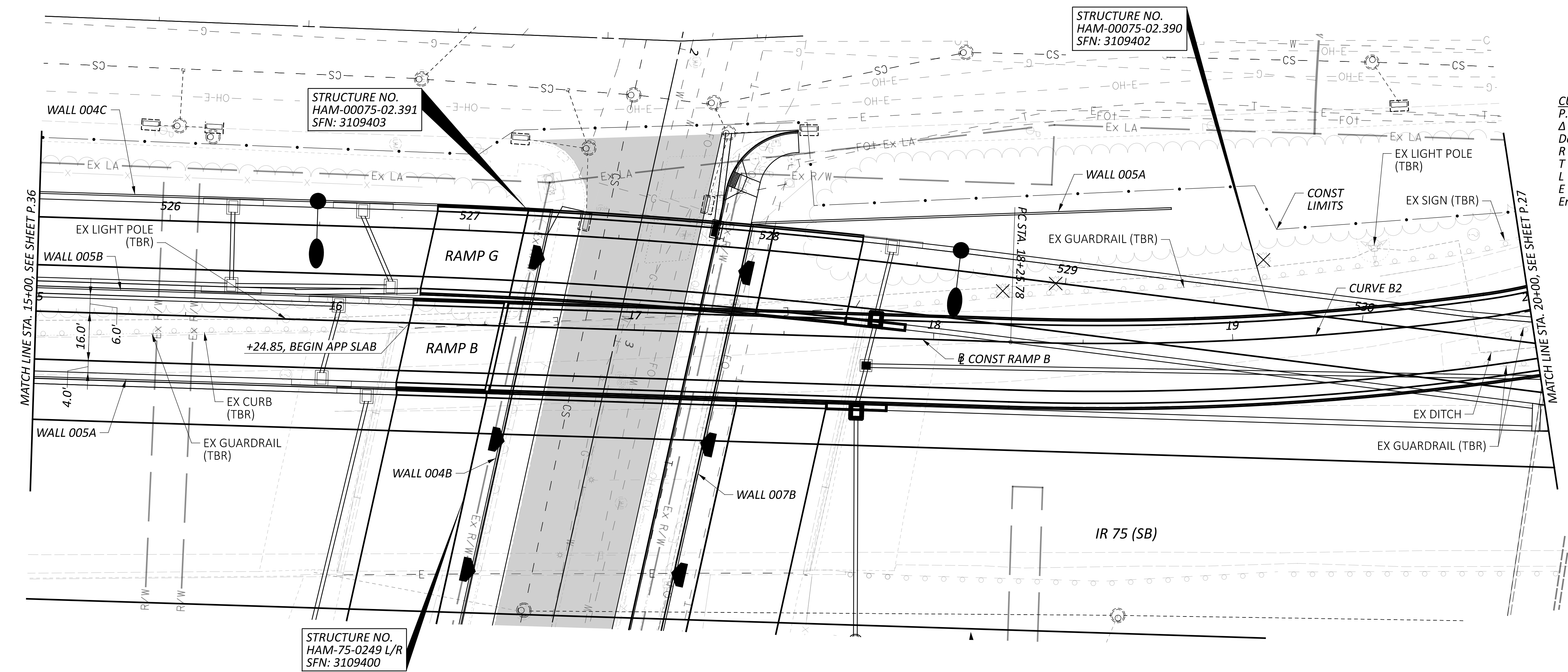
P.35 463

CURVE B1
 P.I. = STA. 9+33.35
 $\Delta = 06^{\circ}53'09''$ RT
 $Dc = 02^{\circ}35'06''$
 $R = 2,216.45'$
 $T = 133.35'$
 $L = 266.37'$
 $E = 4.01'$
 $E_{max} = 0.042$

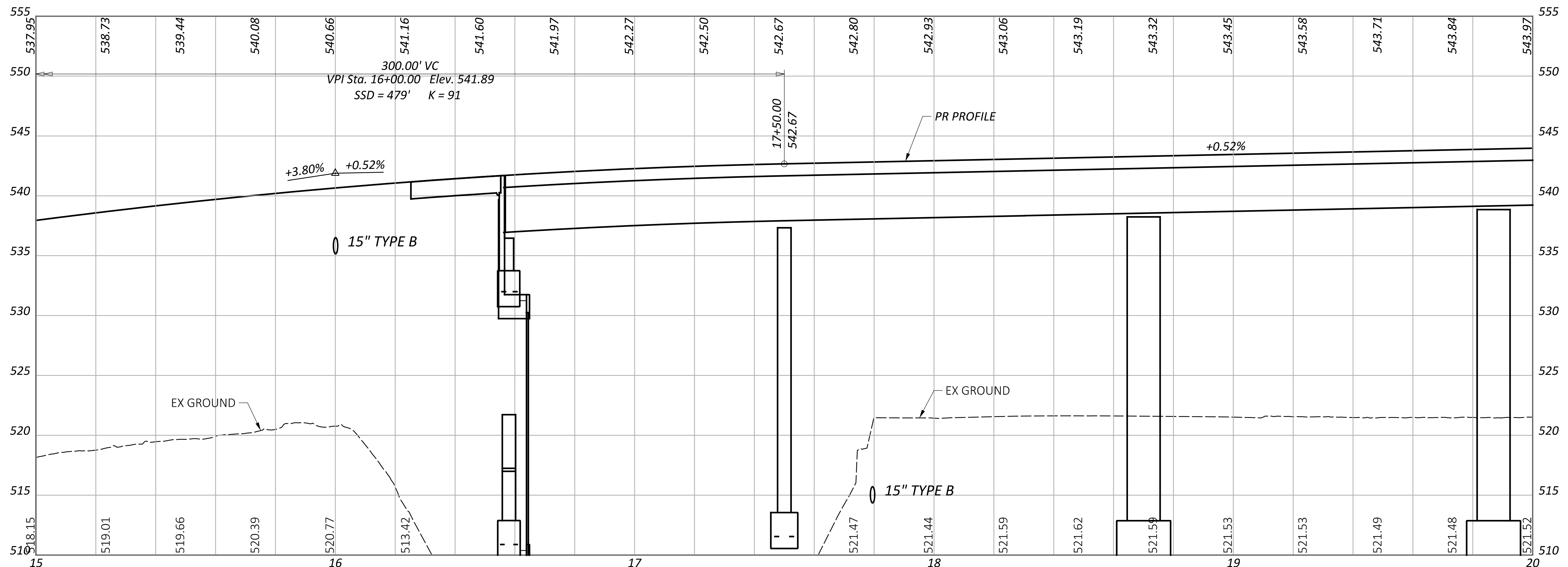
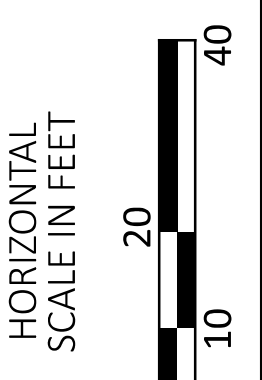
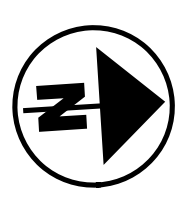


PLAN AND PROFILE - RAMP B
 STA 10+00.00 TO STA 15+00.00

DESIGN AGENCY	
EMHT	
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	TOTAL
P.36	463

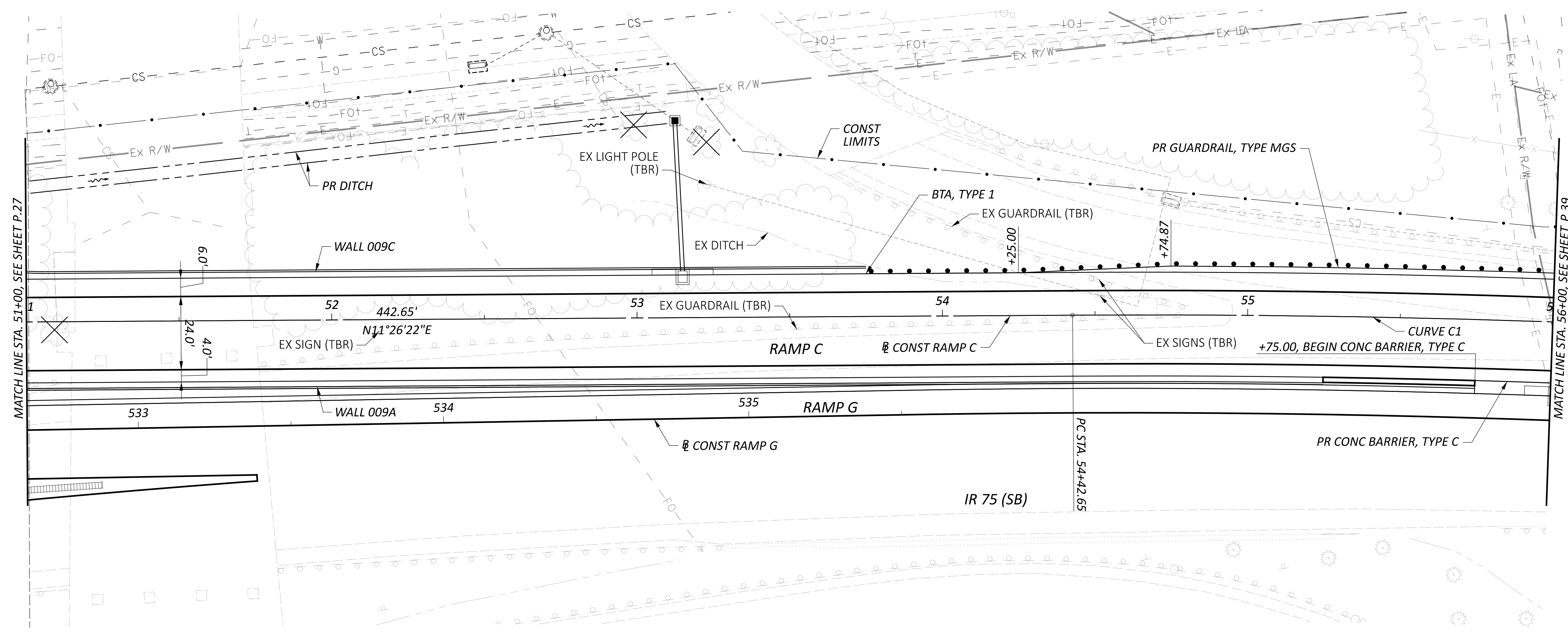


CURVE B2
 P.I. = STA. 19+13.40
 $\Delta = 10^{\circ}29'02''$ LT
 $Dc = 05^{\circ}59'58''$
 $R = 955.00'$
 $T = 87.62'$
 $L = 174.74'$
 $E = 4.01'$
 $E_{max} = 0.036$

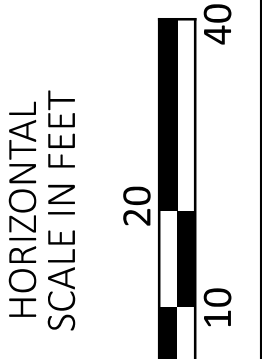
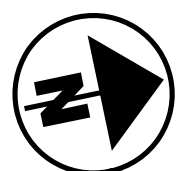
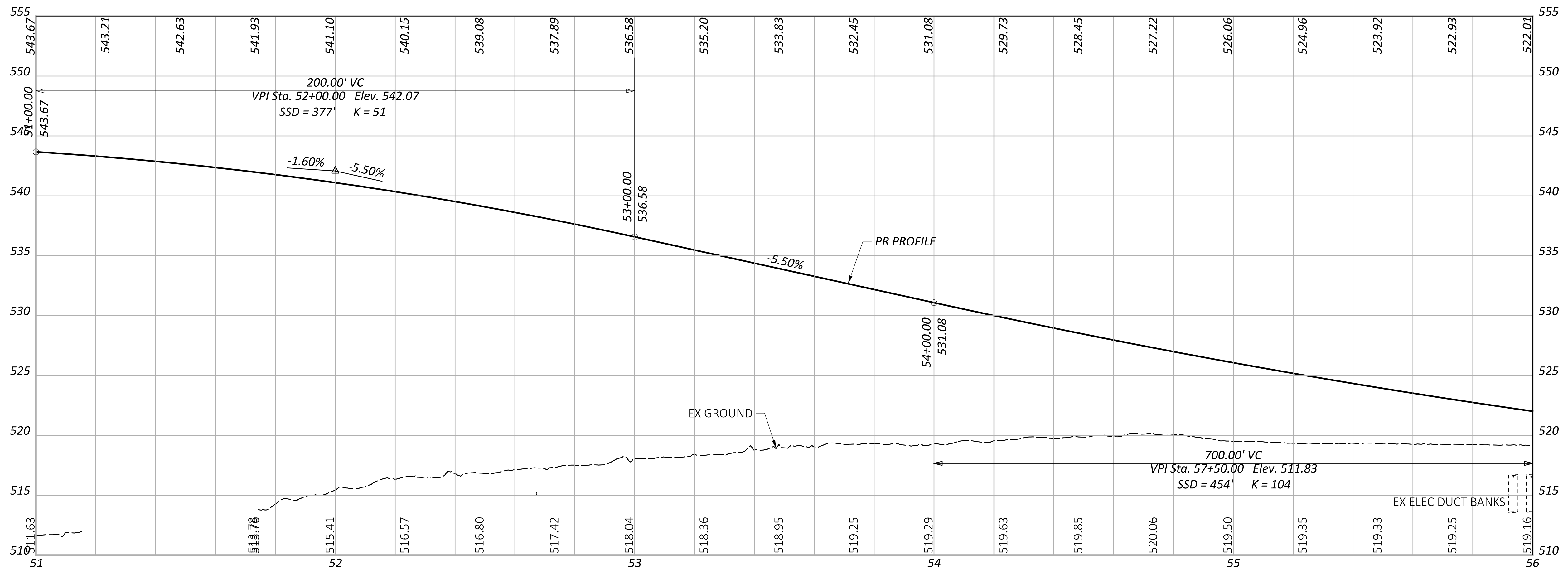


PLAN AND PROFILE - RAMP B
 STA 15+00.00 TO STA 20+00.00

DESIGN AGENCY	
EMHT	
DESIGNER	
SJB	
REVIEWER	
MJR 06/21/24	
PROJECT ID	
114161	
SHEET	TOTAL
P.37	463

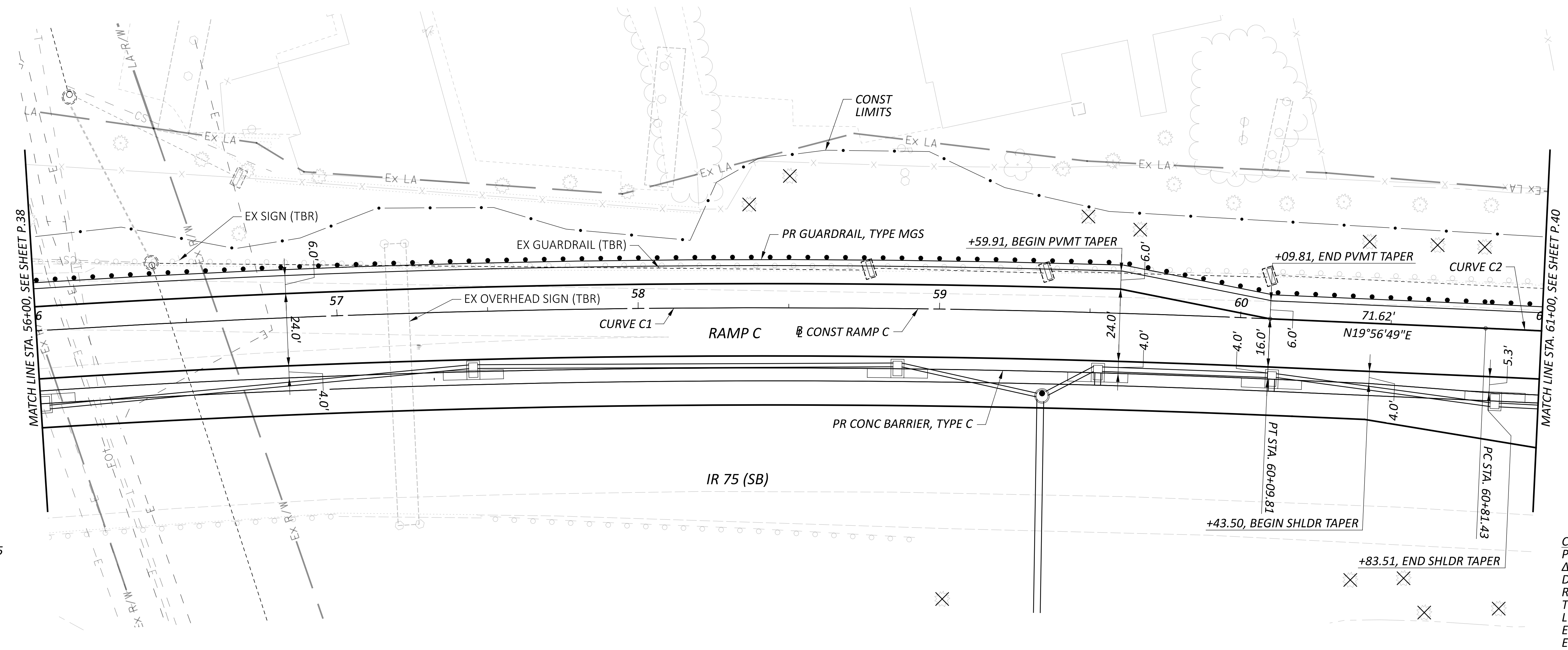


CURVE C1
 P.I. = STA. 57+26.75
 $\Delta = 08^{\circ}30'27''$ RT
 $D_c = 01^{\circ}30'00''$
 $R = 3,819.72'$
 $T = 284.10'$
 $L = 567.16'$
 $E = 10.55'$
 $E_{max} = 0.028$



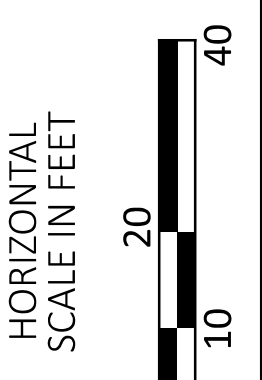
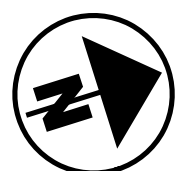
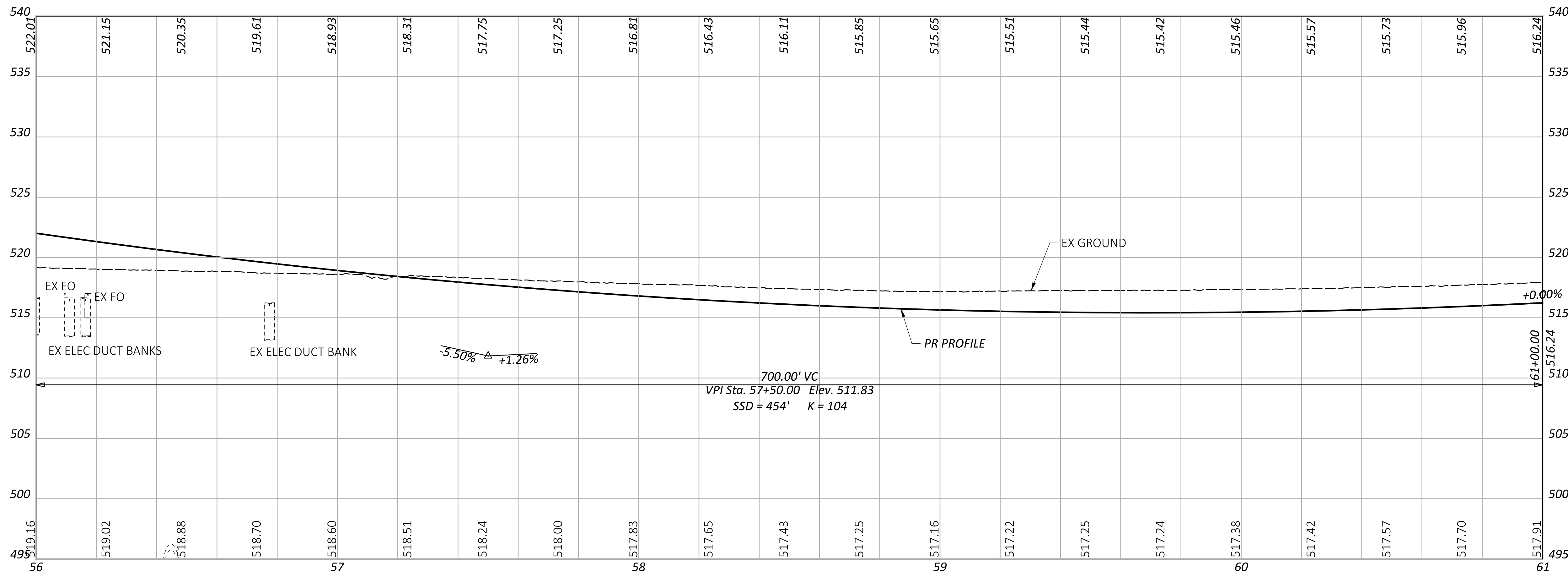
PLAN AND PROFILE - RAMP C
 STA 51+00.00 TO STA 56+00.00

DESIGN AGENCY	EMHT
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	P.38
TOTAL	463



CURVE C1
 P.I. = STA. 57+26.75
 $\Delta = 08^{\circ}30'27''$ RT
 $D_c = 01^{\circ}30'00''$
 $R = 3,819.72'$
 $T = 284.10'$
 $L = 567.16'$
 $E = 10.55'$
 $E_{max} = 0.028$

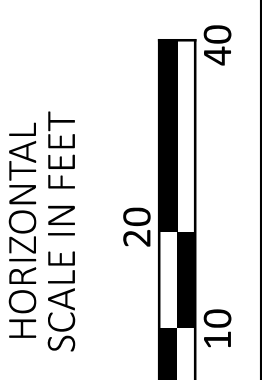
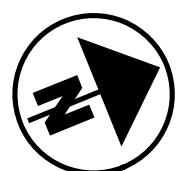
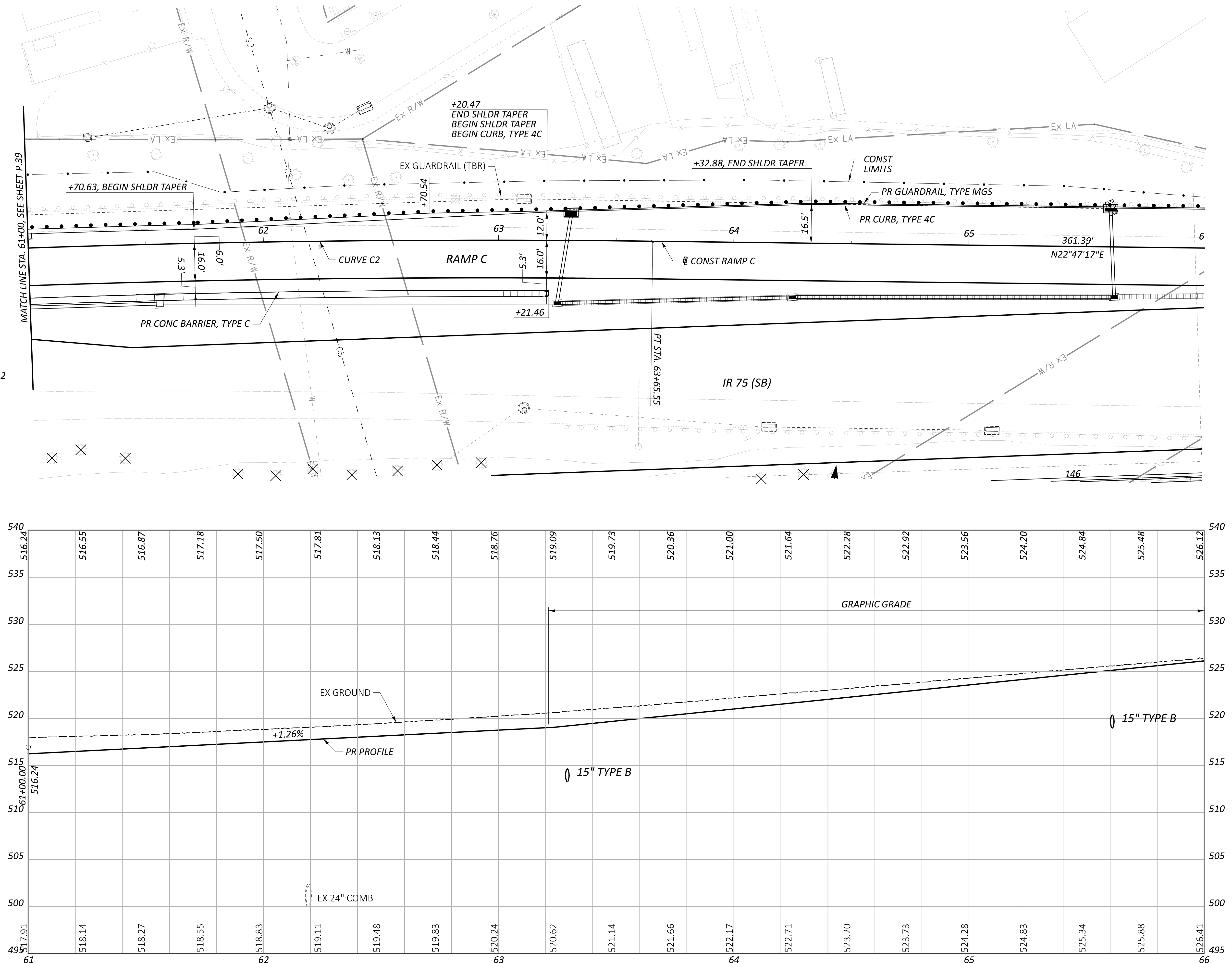
CURVE C2
 P.I. = STA. 62+23.52
 $\Delta = 02^{\circ}50'28''$ RT
 $D_c = 01^{\circ}00'00''$
 $R = 5,729.58'$
 $T = 142.09'$
 $L = 284.12'$
 $E = 1.76'$
 $E_{max} = 0.020$



PLAN AND PROFILE - RAMP C
STA 56+00.00 TO STA 61+00.00

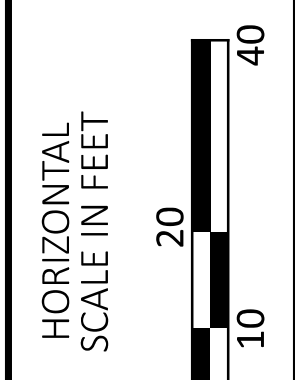
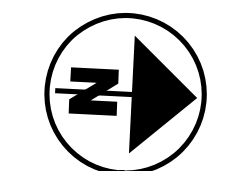
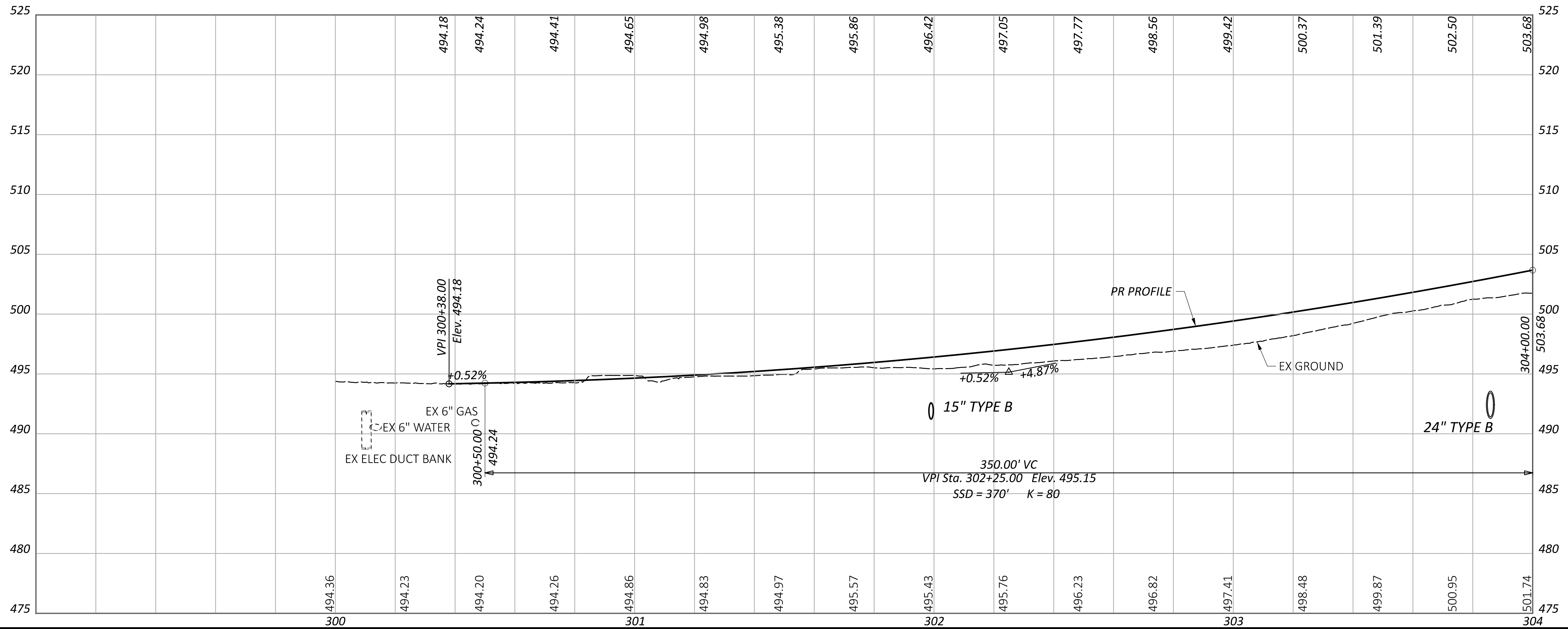
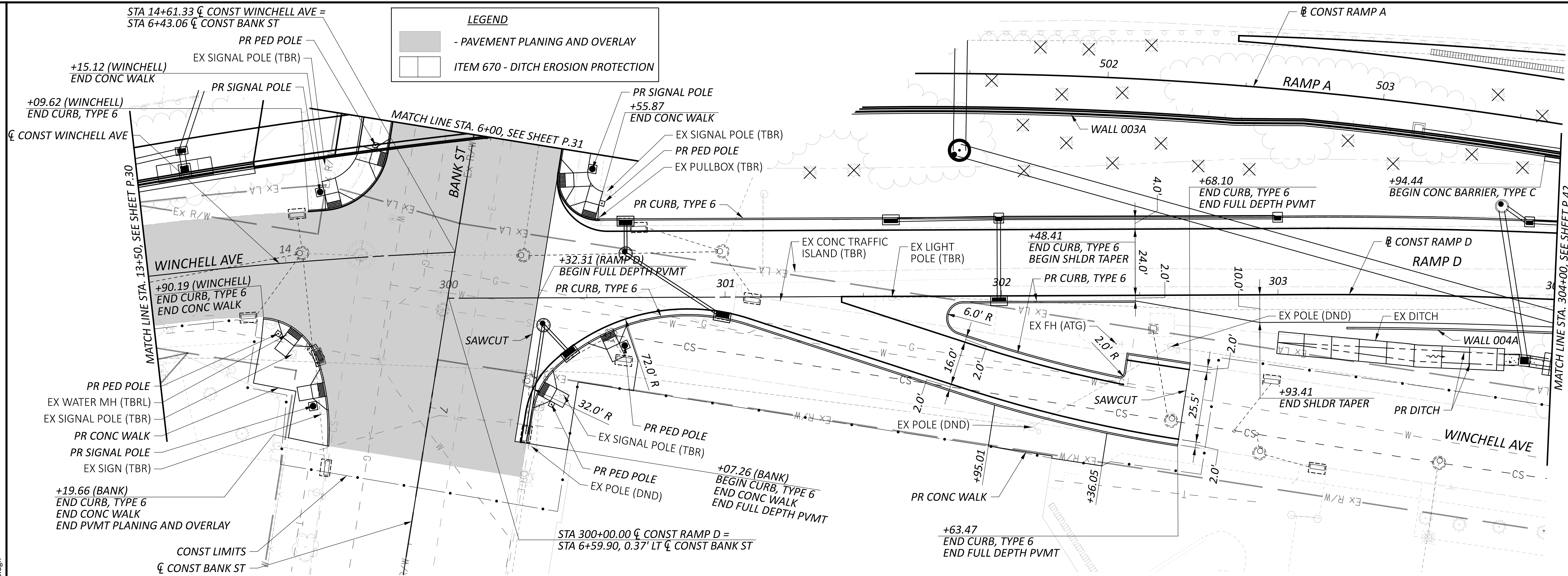
DESIGN AGENCY	
EMHT	
DESIGNER	
SJB	
REVIEWER	
MJR 06/21/24	
PROJECT ID	
114161	
SHEET	TOTAL
P.39	463

CURVE C2
 P.I. = STA. 62+23.52
 $\Delta = 02^{\circ}50'28''$ RT
 $D_c = 01^{\circ}00'00''$
 $R = 5,729.58'$
 $T = 142.09'$
 $L = 284.12'$
 $E = 1.76'$
 $E_{max} = 0.020$



PLAN AND PROFILE - RAMP C
 STA 61+00.00 TO STA 66+00.00

DESIGN AGENCY	
EMHT	
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	P.40
TOTAL	463

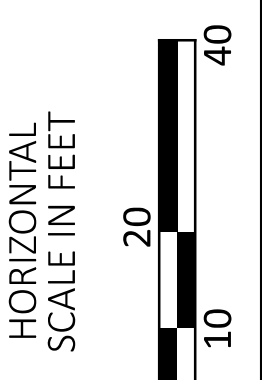
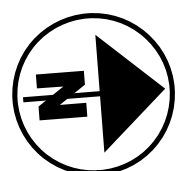
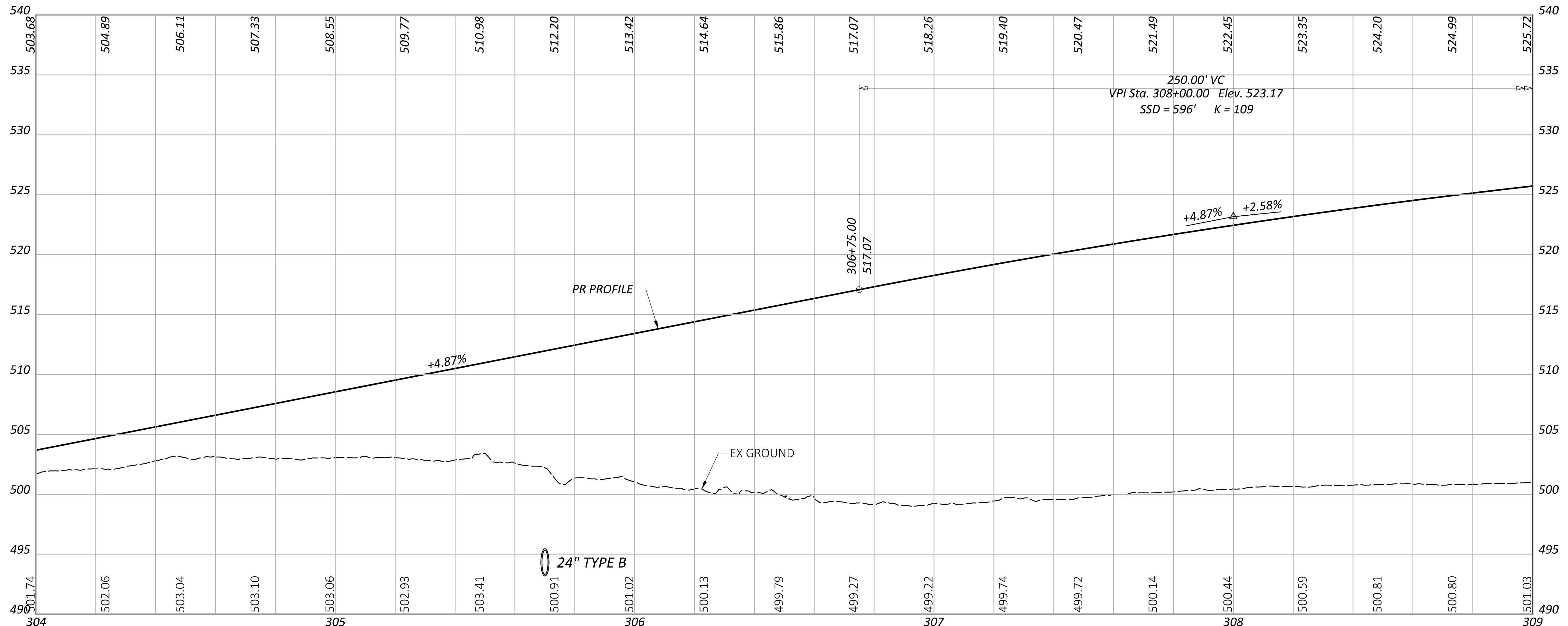
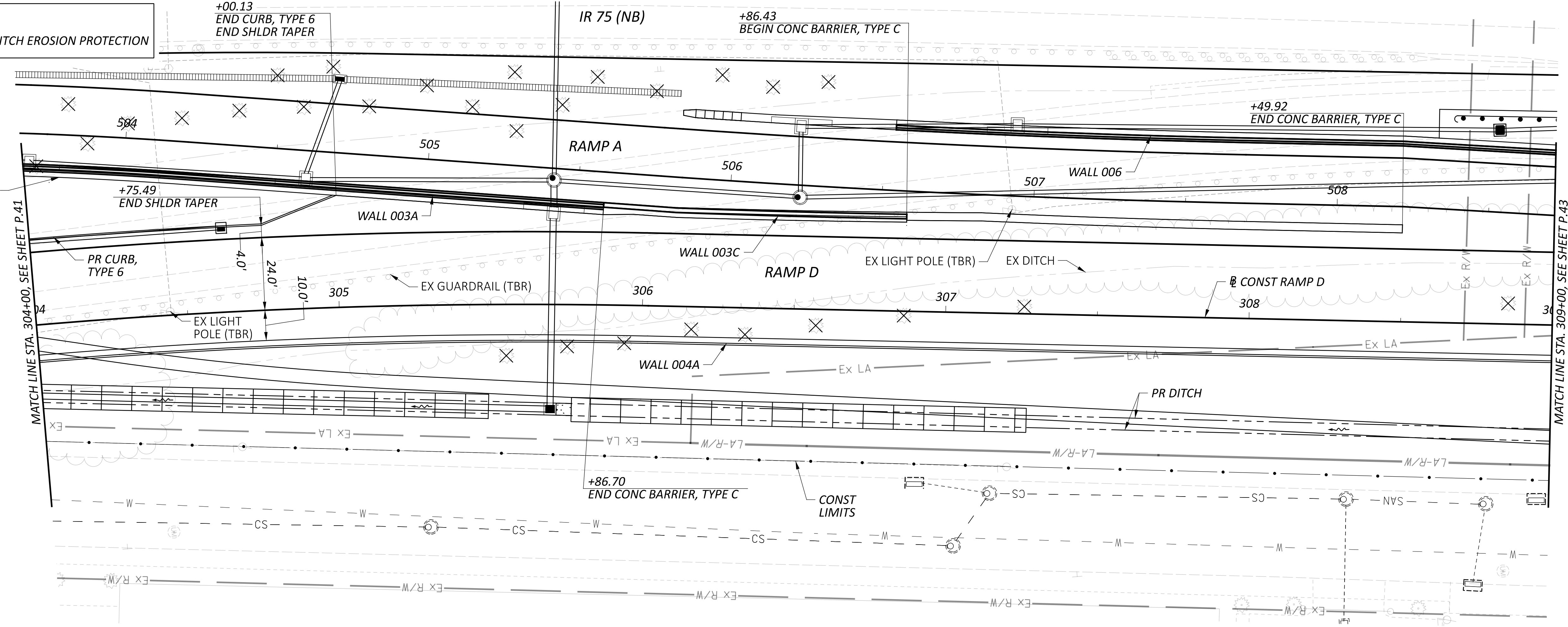


PLAN AND PROFILE - RAMP D
 STA 300+00.00 TO STA 304+00.00

DESIGN AGENCY	BLM
DESIGNER	EMHT
REVIEWER	MJR 06-21-24
PROJECT ID	114161
SHEET	P.41
TOTAL	463

LEGEND

ITEM 670 - DITCH EROSION PROTECTION



PLAN AND PROFILE - RAMP D
STA 304+00.00 TO STA 309+00.00

DESIGN AGENCY

DESIGNER
BLM

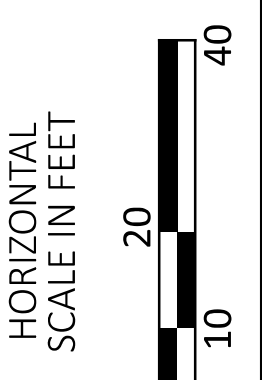
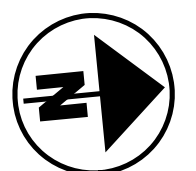
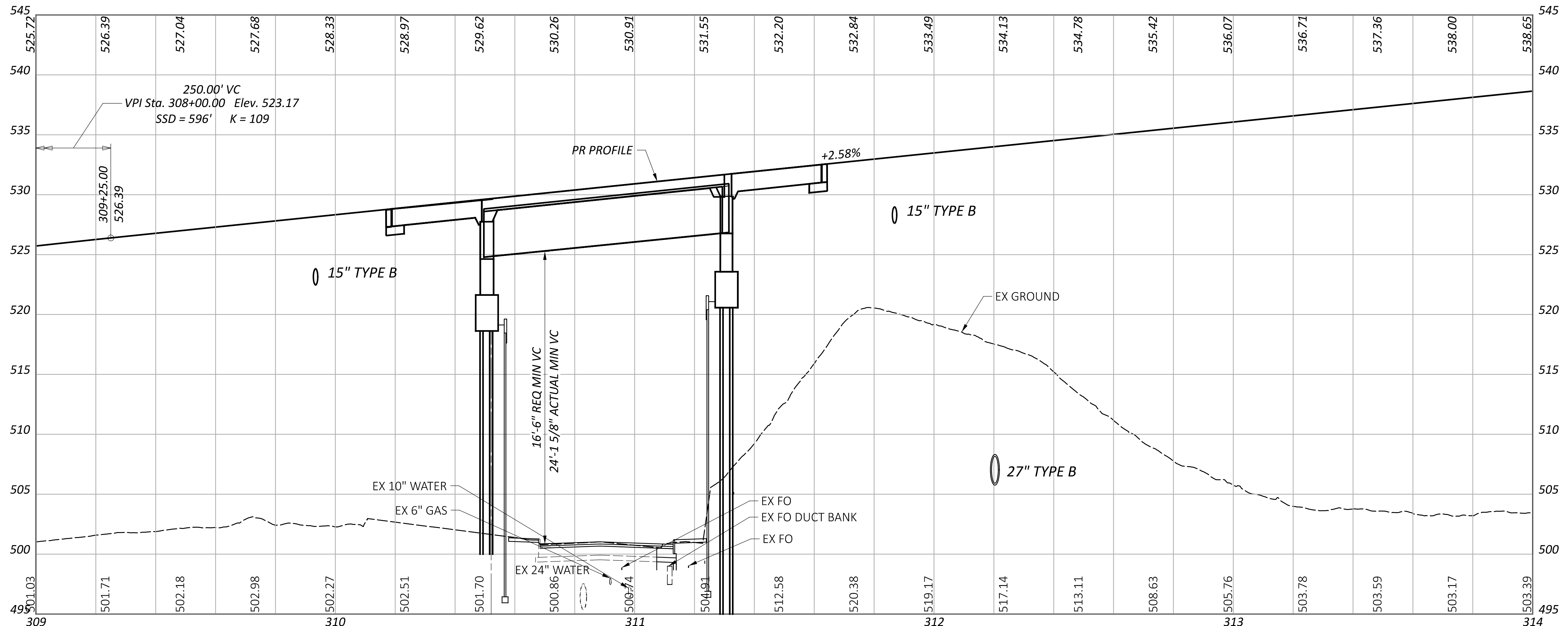
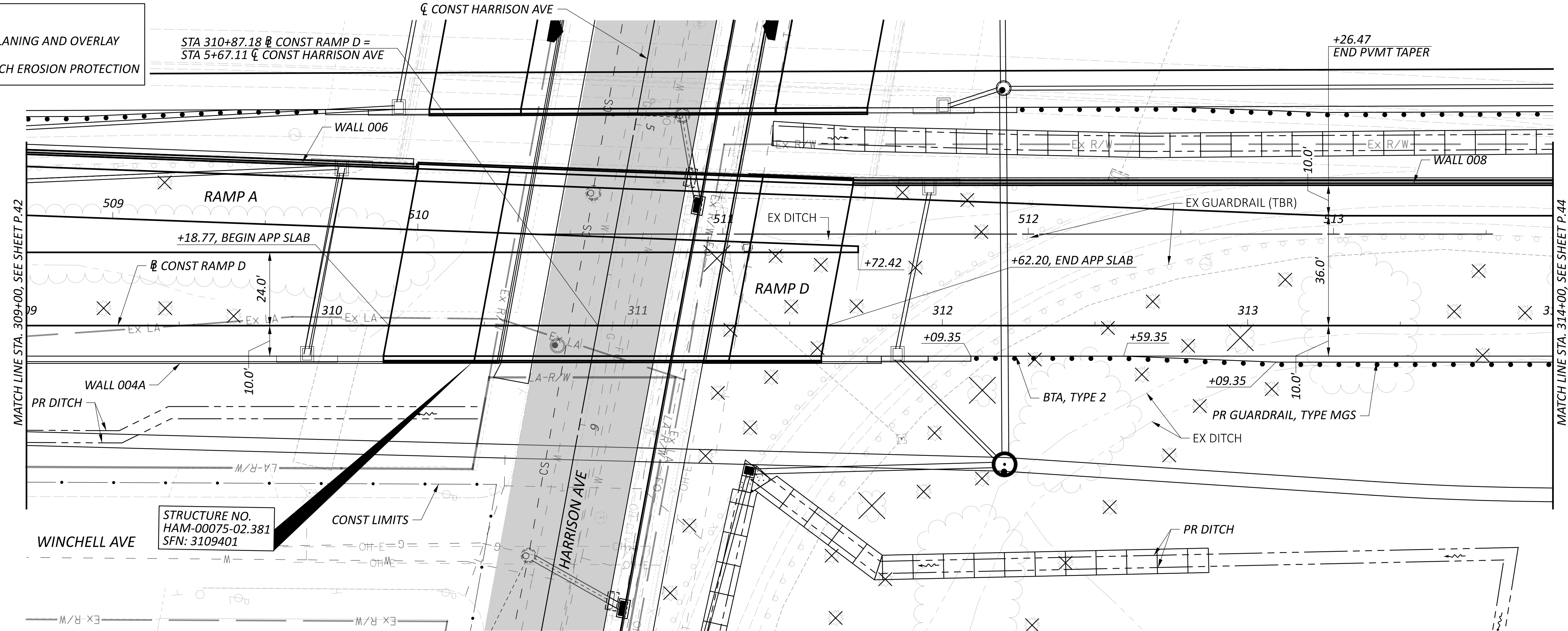
REVIEWER
MJR 06-21-24

PROJECT ID
114161

SHEET TOTAL
P.42 463

LEGEND

- PAVEMENT PLANING AND OVERLAY
- ITEM 670 - DITCH EROSION PROTECTION



PLAN AND PROFILE - RAMP D
STA 309+00.00 TO STA 314+00.00

DESIGN AGENCY

EMHT

DESIGNER: BLM

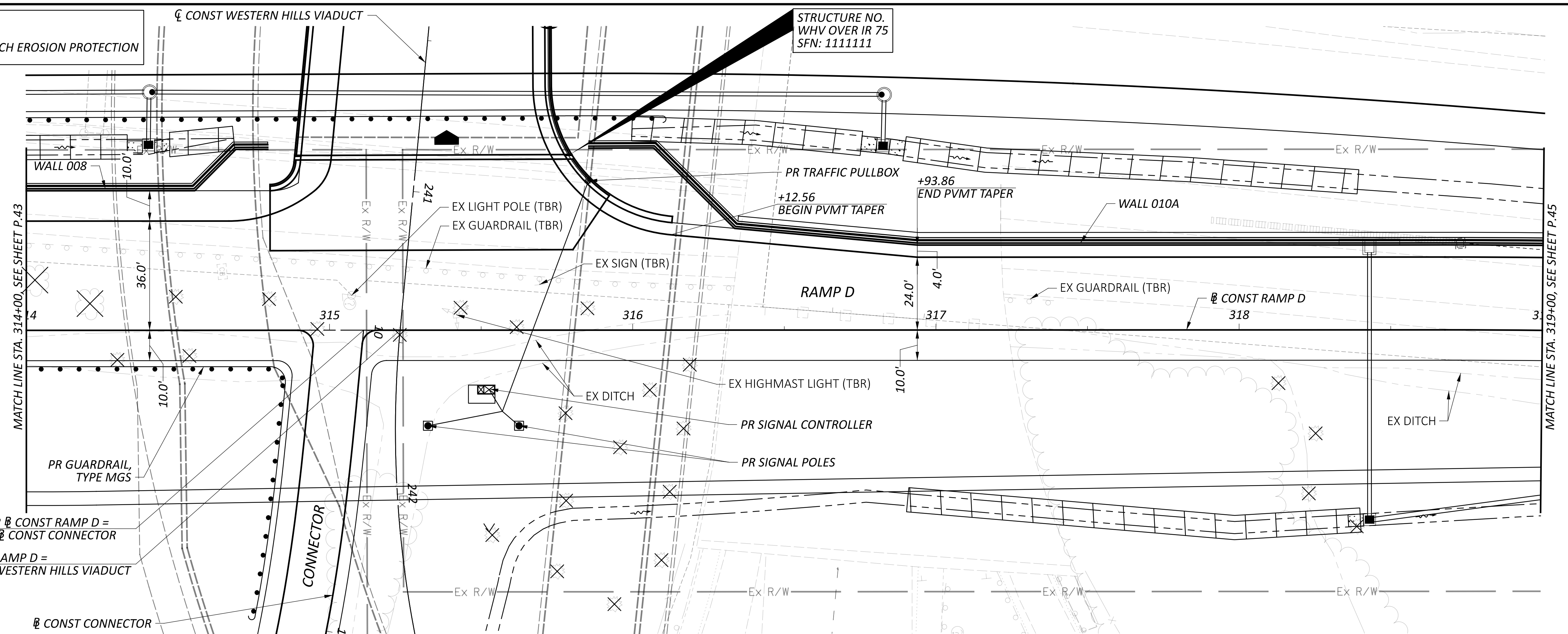
REVIEWER: MJR 06-21-24

PROJECT ID: 114161

SHEET: P.43 TOTAL: 463

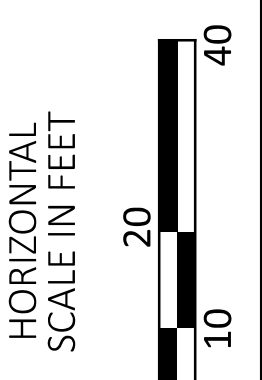
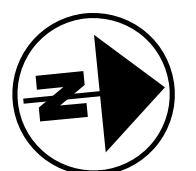
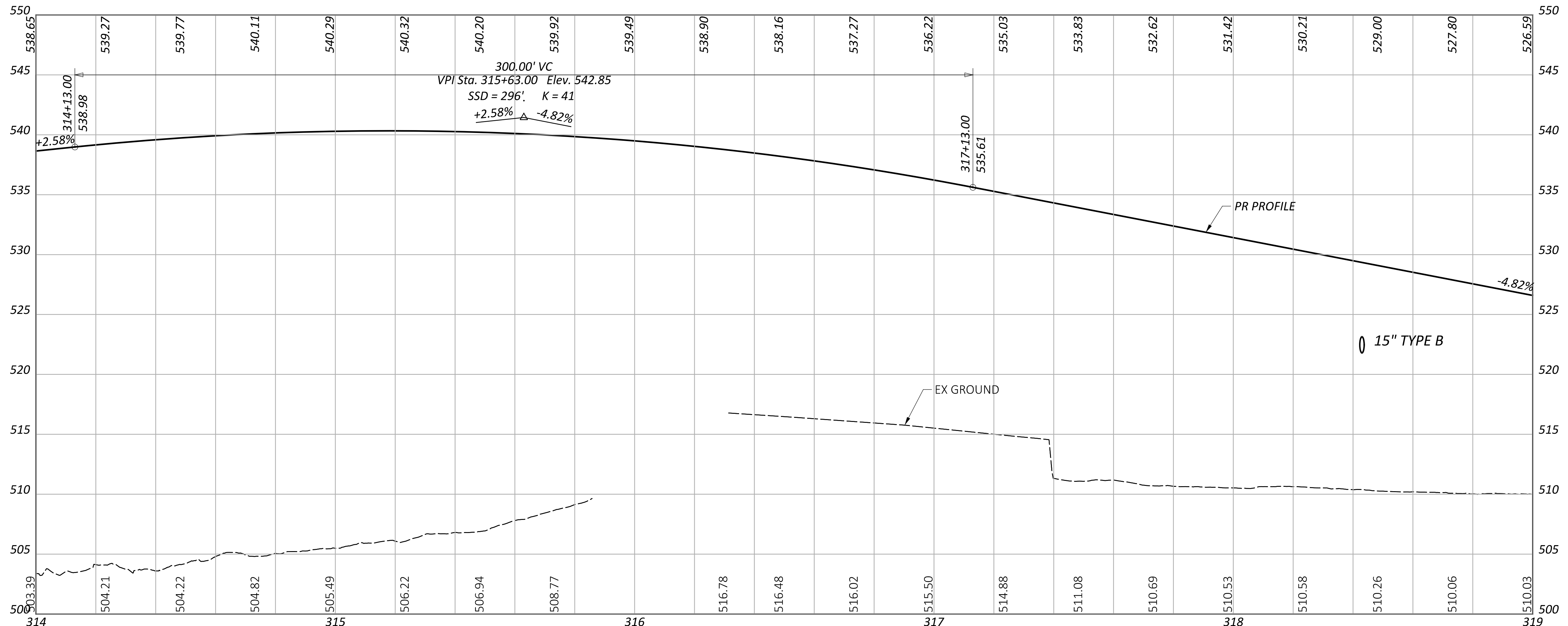
LEGEND

ITEM 670 - DITCH EROSION PROTECTION



STA 315+11.22 @ CONST RAMP D =
STA 10+00.00 @ CONST CONNECTOR

STA 315+23.27 @ CONST RAMP D =
STA 241+45.90 @ CONST WESTERN HILLS VIADUCT



PLAN AND PROFILE - RAMP D
STA 314+00.00 TO STA 319+00.00

DESIGN AGENCY



DESIGNER

BLM

REVIEWER

MJR 06-21-24

PROJECT ID

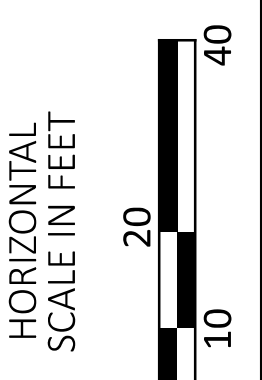
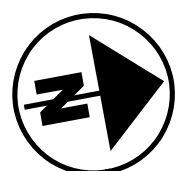
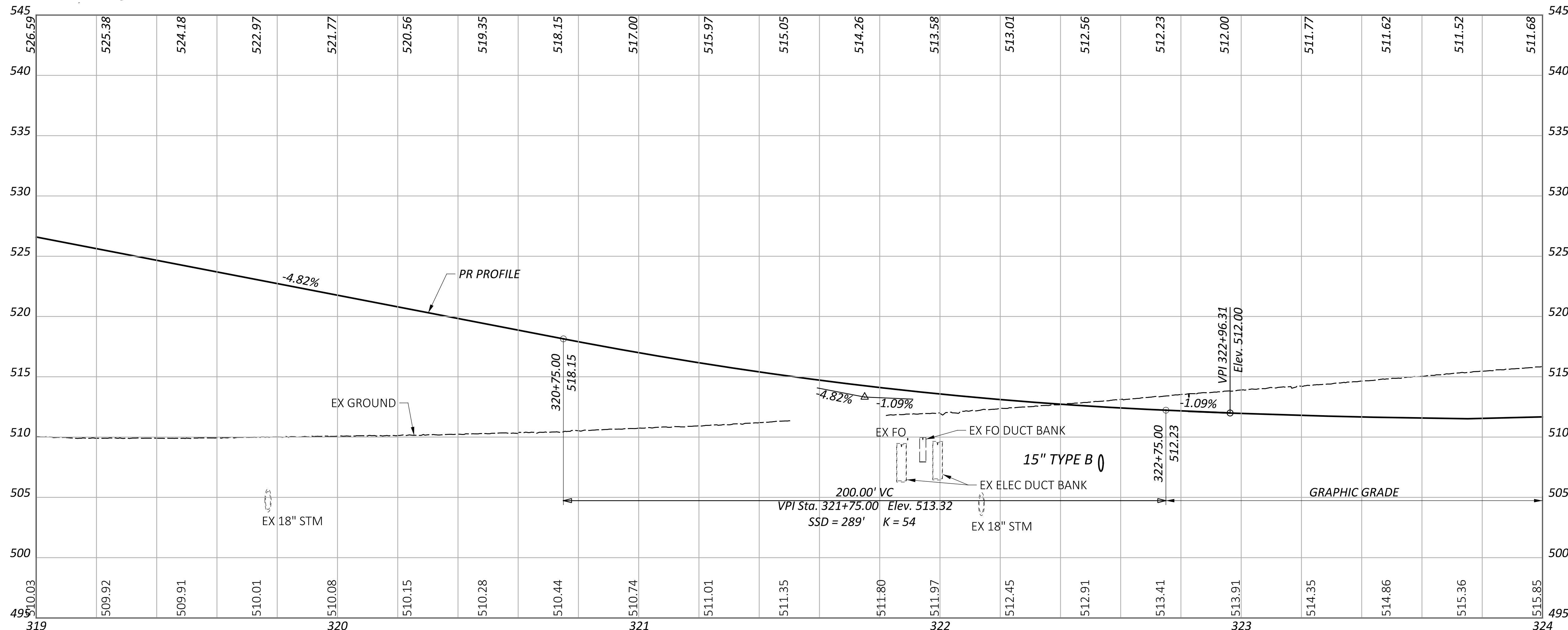
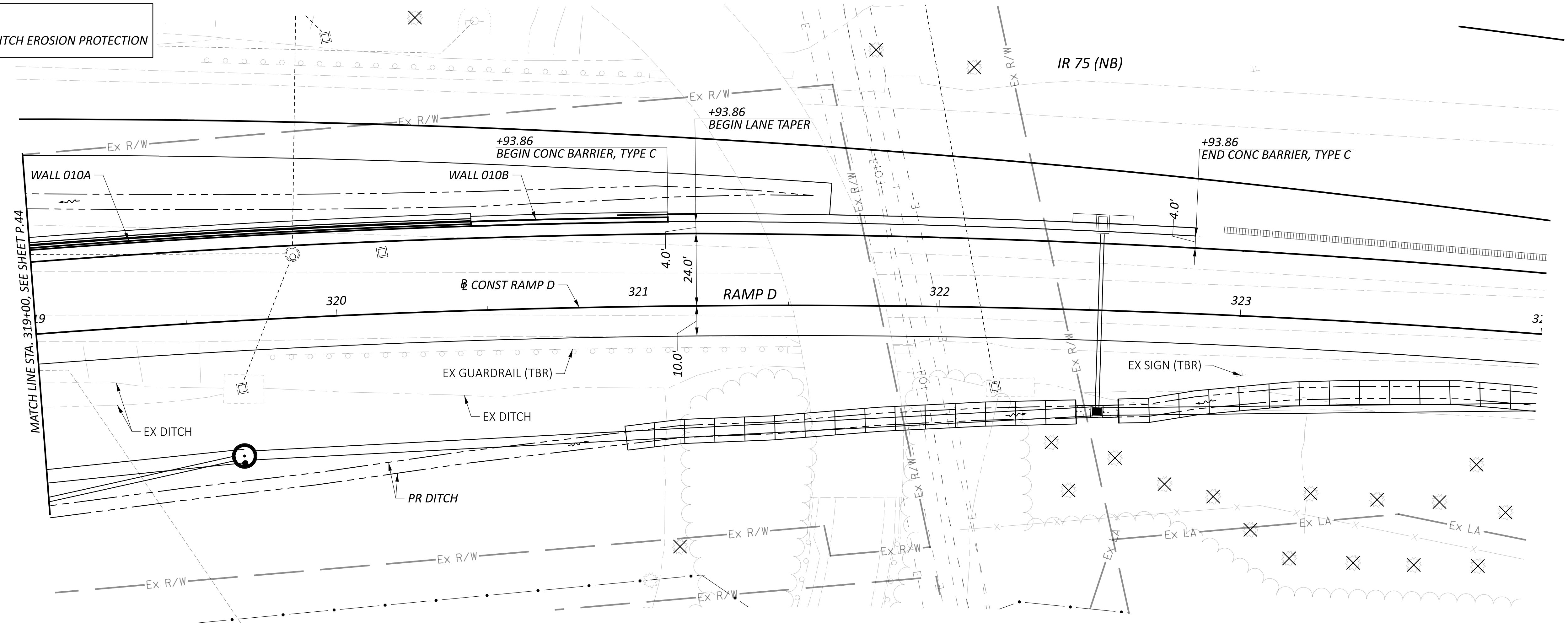
114161

SHEET TOTAL

P.44 463

LEGEND

ITEM 670 - DITCH EROSION PROTECTION

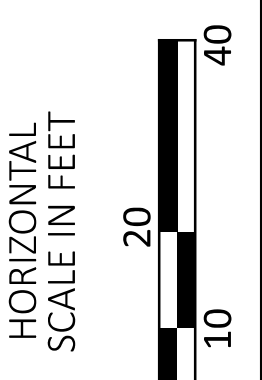
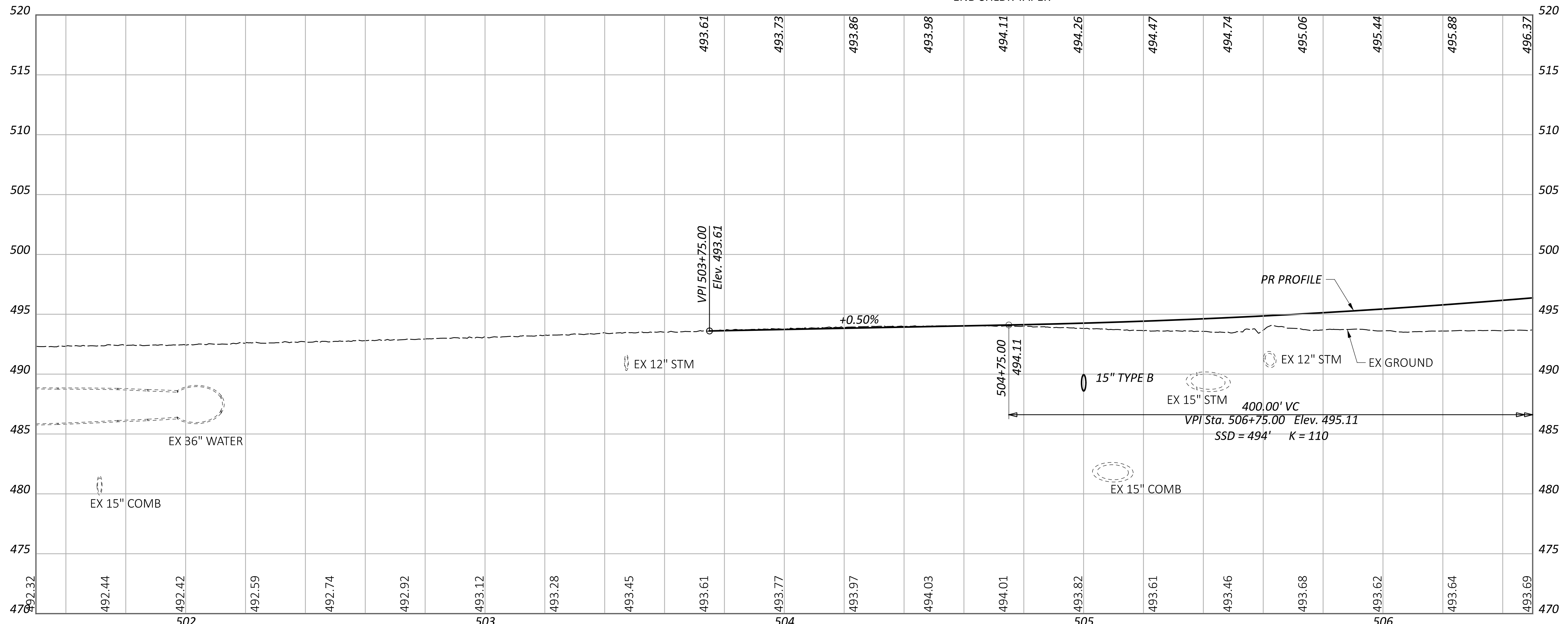
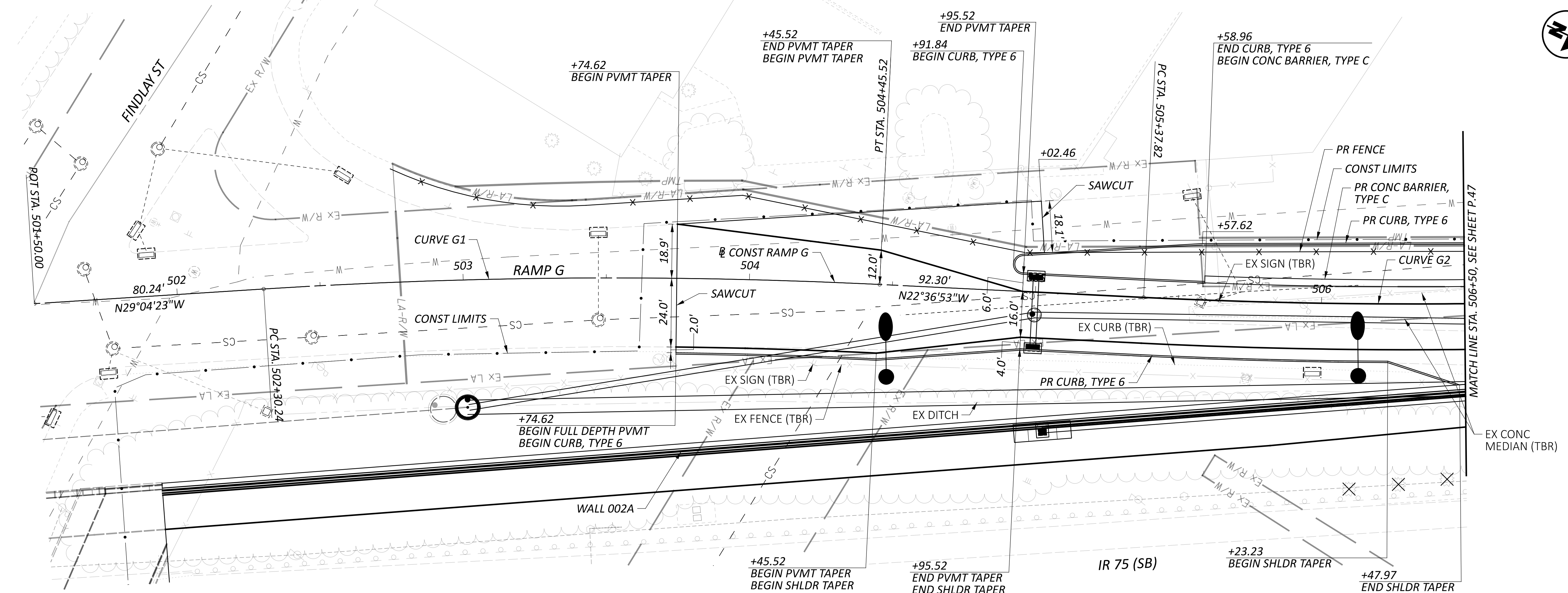


PLAN AND PROFILE - RAMP D
 STA 319+00.00 TO STA 324+00.00

DESIGN AGENCY	
BLM	
REVIEWER	
MJR 06-21-24	
PROJECT ID	
114161	
SHEET	TOTAL
P.45	463

CURVE G1
P.I. = STA. 503+38.00
 $\Delta = 06^{\circ}27'30''$ RT
Dc = $03^{\circ}00'00''$
R = 1,909.86'
T = 107.75'
L = 215.28'
E = 3.04'
Emax = NC

CURVE G2
P.I. = STA. 506+18.38
 $\Delta = 04^{\circ}49'52''$ LT
Dc = $03^{\circ}00'00''$
R = 1,909.86'
T = 80.57'
L = 161.04'
E = 1.70'
Emax = 0.028



PLAN AND PROFILE - RAMP G
STA 501+50.00 TO STA 506+50.00

DESIGN AGENCY



DESIGNER

BLM

REVIEWER

MJR 06-21-24

PROJECT ID

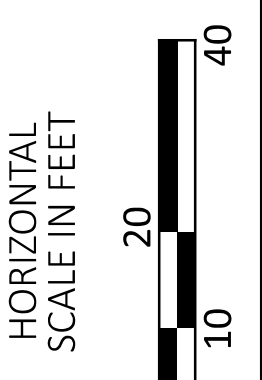
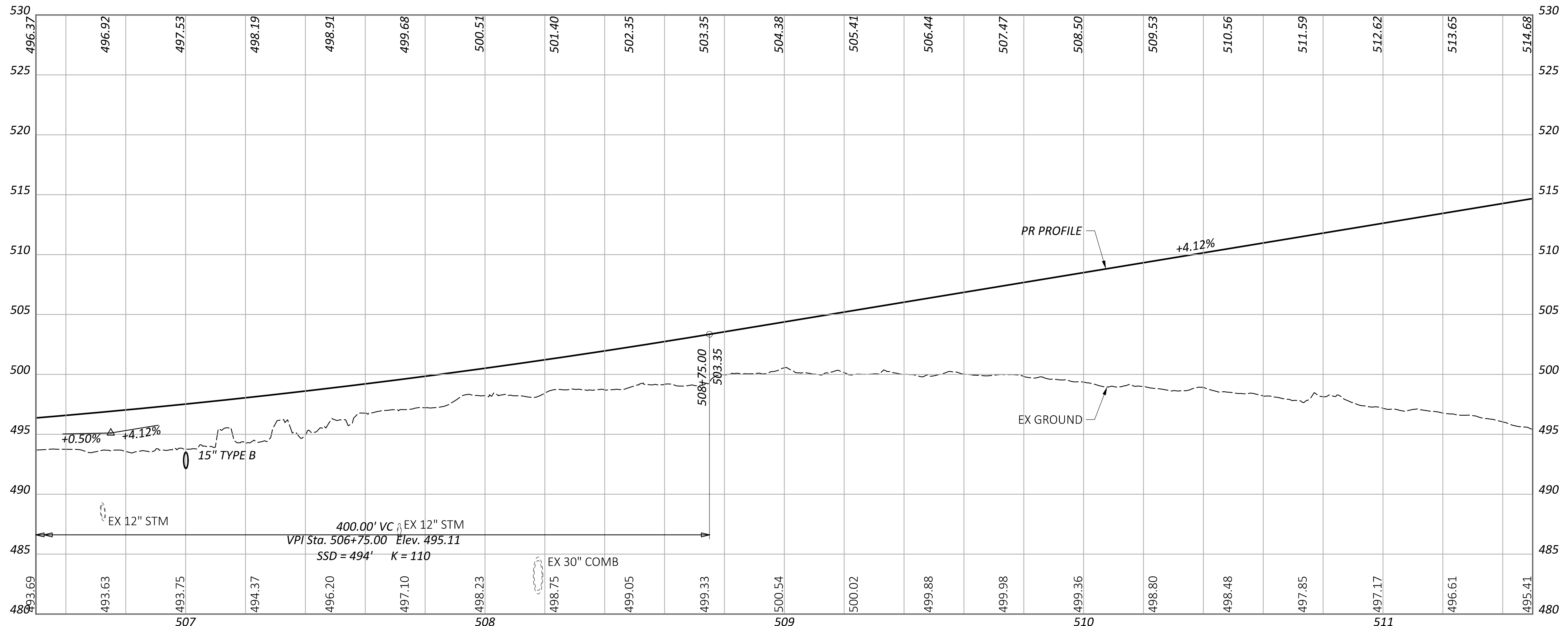
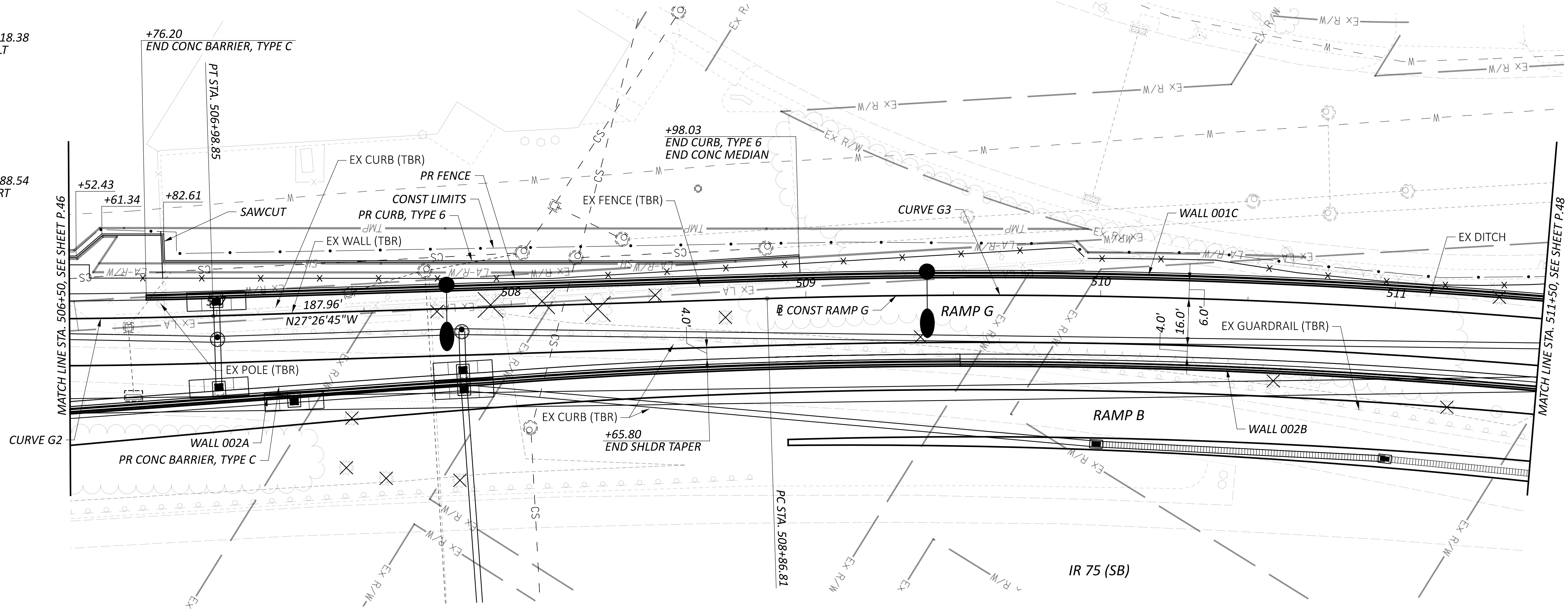
114161

SHEET TOTAL

P.46 463

CURVE G2
 P.I. = STA. 506+18.38
 $\Delta = 04^{\circ}49'52''$ LT
 $D_c = 03^{\circ}00'00''$
 $R = 1,909.86'$
 $T = 80.57'$
 $L = 161.04'$
 $E = 1.70'$
 $E_{max} = 0.028$

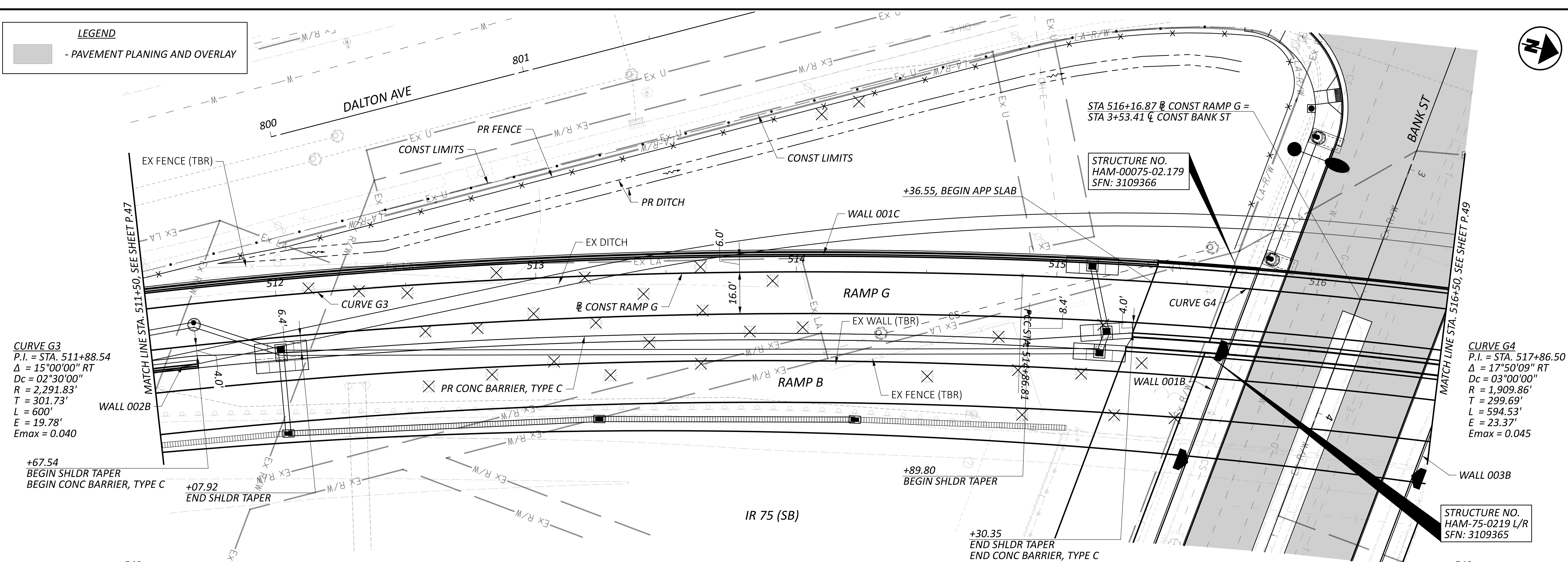
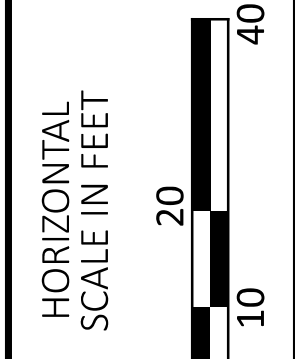
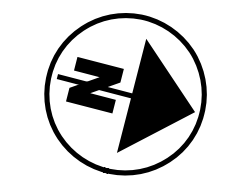
CURVE G3
 P.I. = STA. 511+88.54
 $\Delta = 15^{\circ}00'00''$ RT
 $D_c = 02^{\circ}30'00''$
 $R = 2,291.83'$
 $T = 301.73'$
 $L = 600'$
 $E = 19.78'$
 $E_{max} = 0.040$



PLAN AND PROFILE - RAMP G
 STA 506+50.00 TO STA 511+50.00

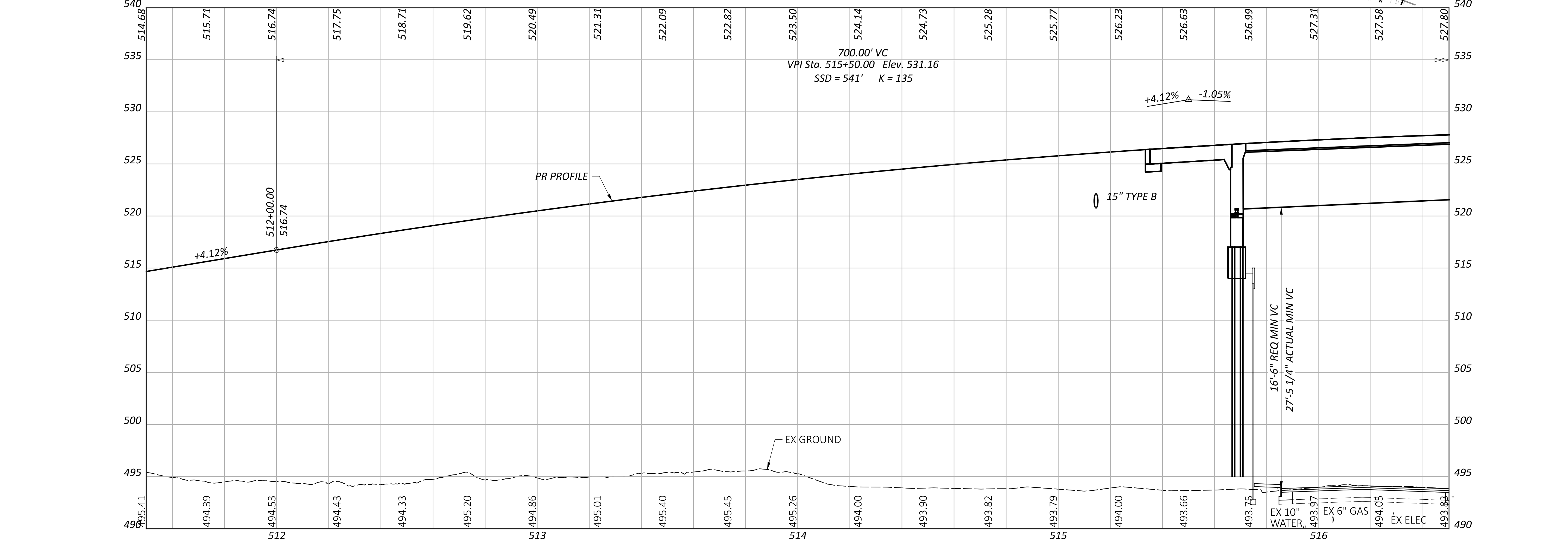
DESIGN AGENCY	EMHT
DESIGNER	BLM
REVIEWER	MJR 06-21-24
PROJECT ID	114161
SHEET TOTAL	P.47 463

LEGEND
 - PAVEMENT PLANING AND OVERLAY



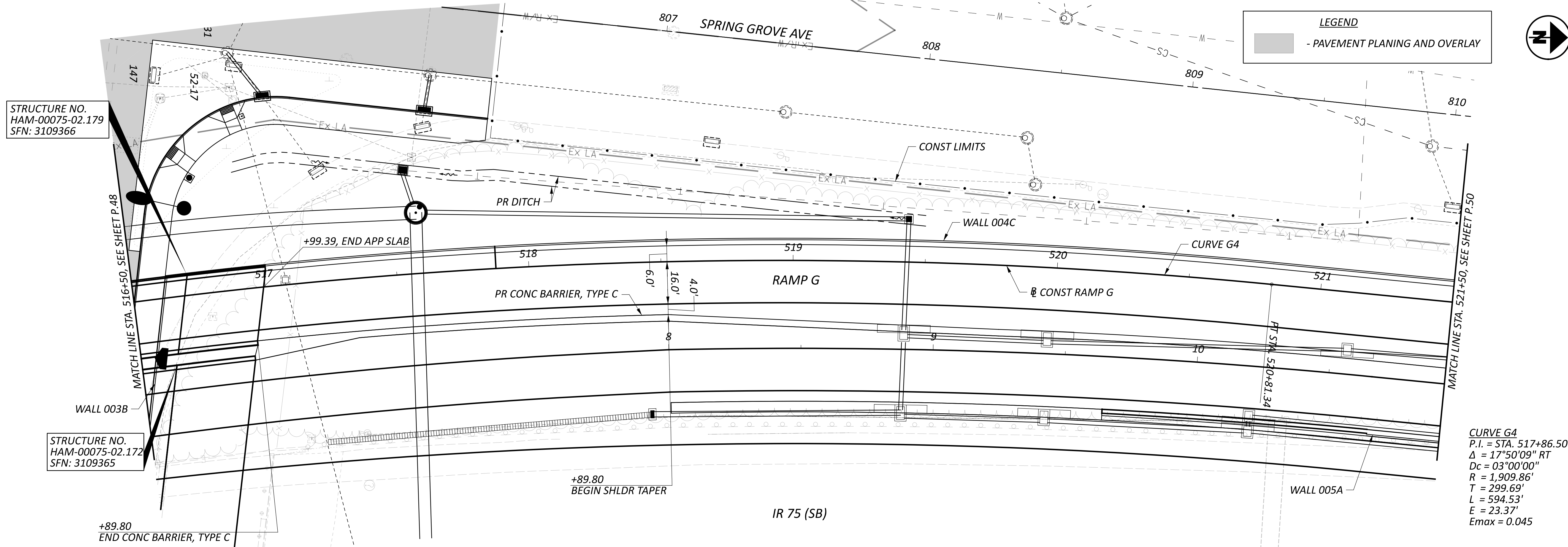
CURVE G3
 P.I. = STA. 511+88.54
 $\Delta = 15^{\circ}00'00''$ RT
 $D_c = 02^{\circ}30'00''$
 $R = 2,291.83'$
 $T = 301.73'$
 $L = 600'$
 $E = 19.78'$
 $E_{max} = 0.040$

CURVE G4
 P.I. = STA. 517+86.50
 $\Delta = 17^{\circ}50'09''$ RT
 $D_c = 03^{\circ}00'00''$
 $R = 1,909.86'$
 $T = 299.69'$
 $L = 594.53'$
 $E = 23.37'$
 $E_{max} = 0.045$



PLAN AND PROFILE - RAMP G
 STA 511+50.00 TO STA 516+50.00

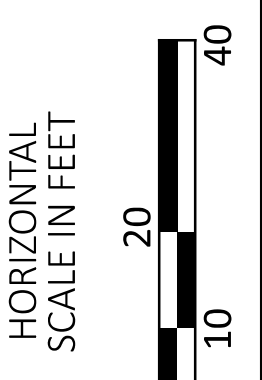
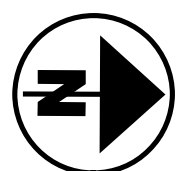
DESIGN AGENCY	EMHT
DESIGNER	BLM
REVIEWER	MJR 06-21-24
PROJECT ID	114161
SHEET	P.48
TOTAL	463



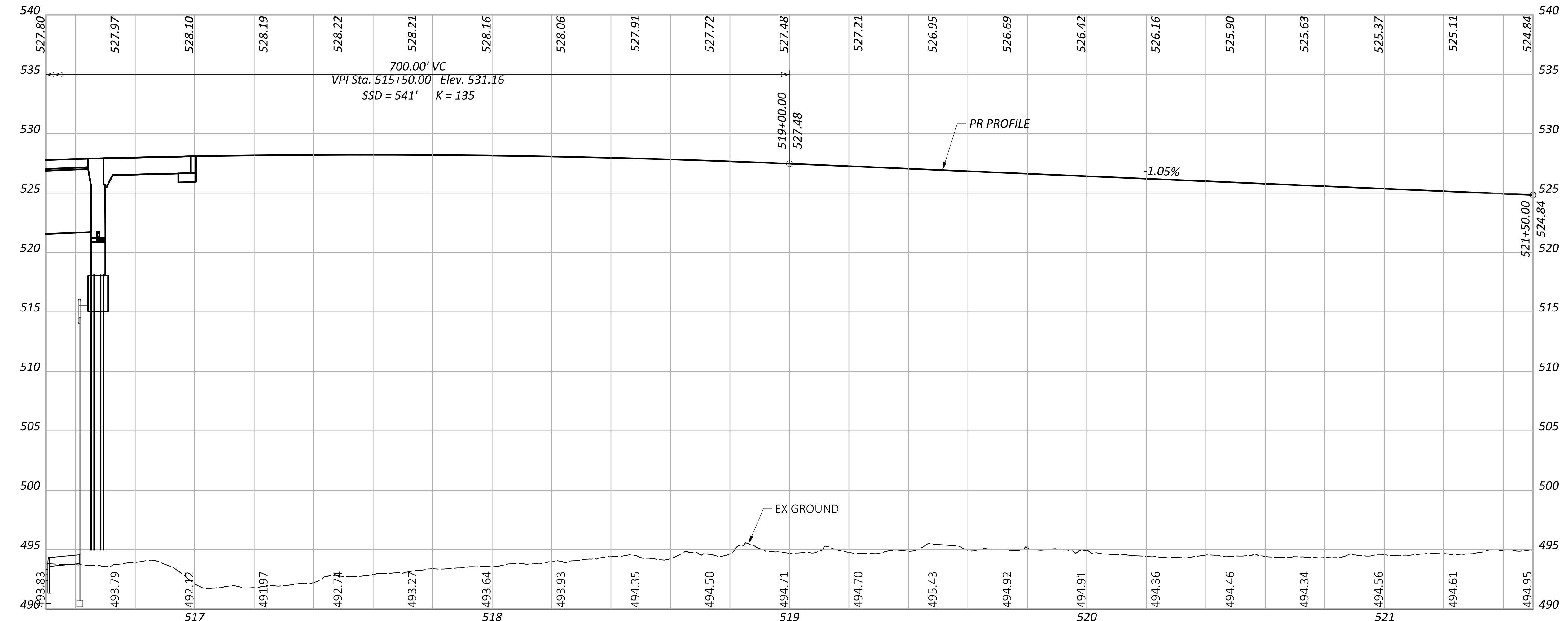
STRUCTURE NO.
HAM-00075-02.179
SFN: 3109366

STRUCTURE NO.
HAM-00075-02.172
SFN: 3109365

LEGEND
- PAVEMENT PLANING AND OVERLAY



CURVE G4
 P.I. = STA. 517+86.50
 $\Delta = 17^{\circ}50'09''$ RT
 $D_c = 03^{\circ}00'00''$
 $R = 1,909.86'$
 $T = 299.69'$
 $L = 594.53'$
 $E = 23.37'$
 $E_{max} = 0.045$



PLAN AND PROFILE - RAMP G
 STA 516+50.00 TO STA 521+50.00

DESIGN AGENCY



DESIGNER

BLM

REVIEWER

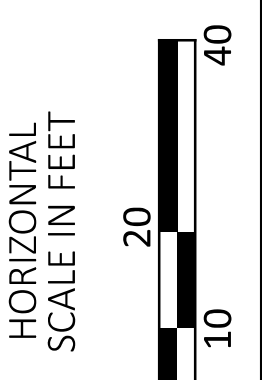
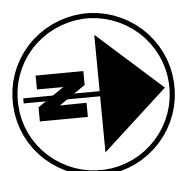
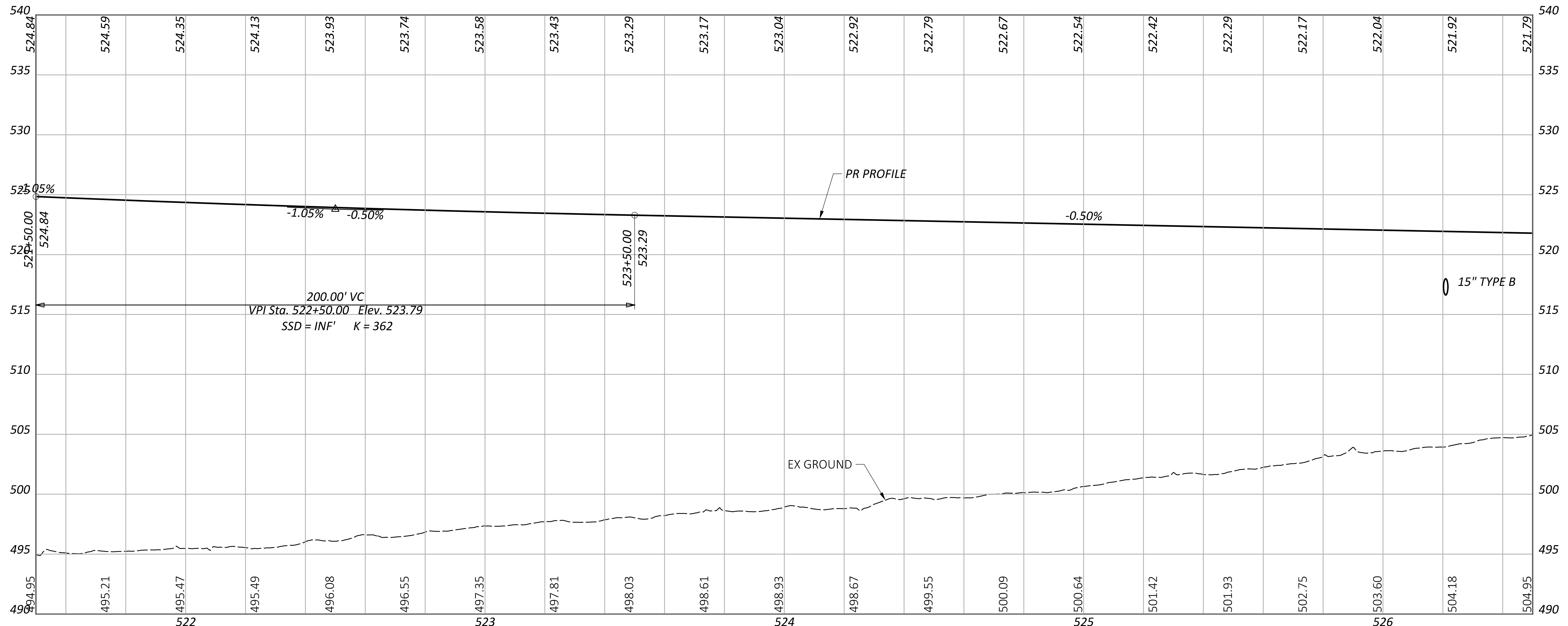
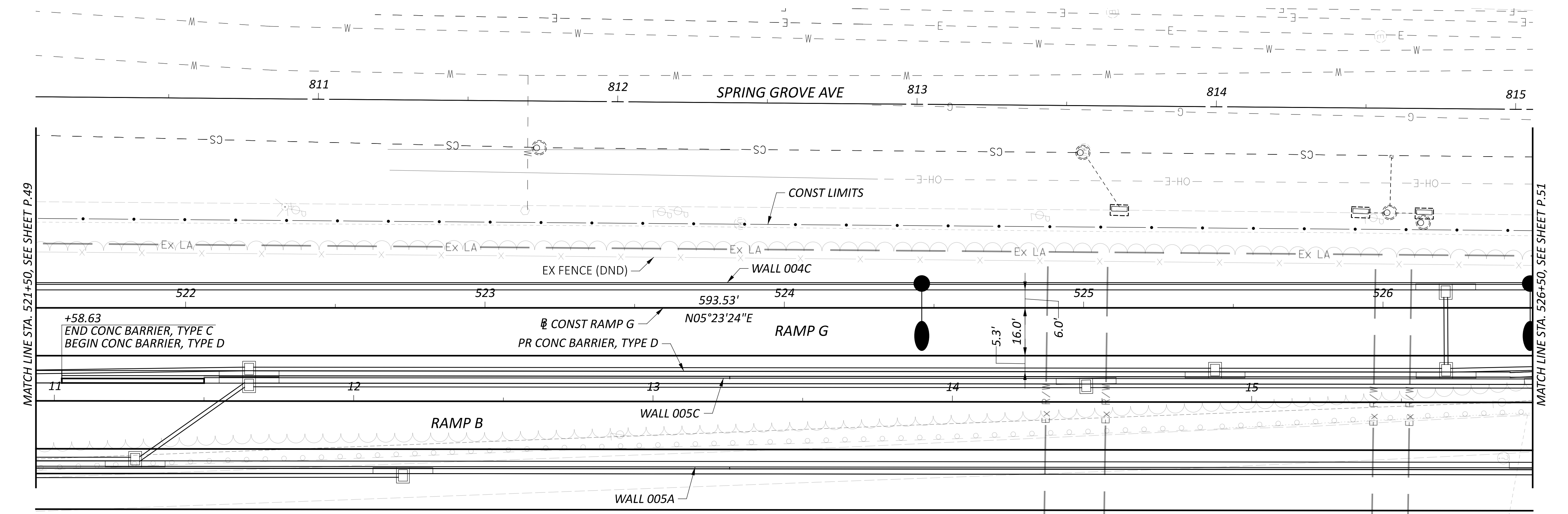
MJR 06-21-24

PROJECT ID

114161

SHEET TOTAL

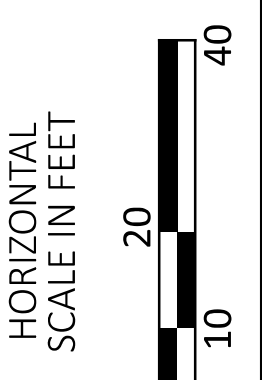
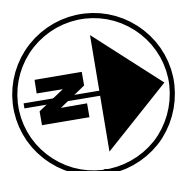
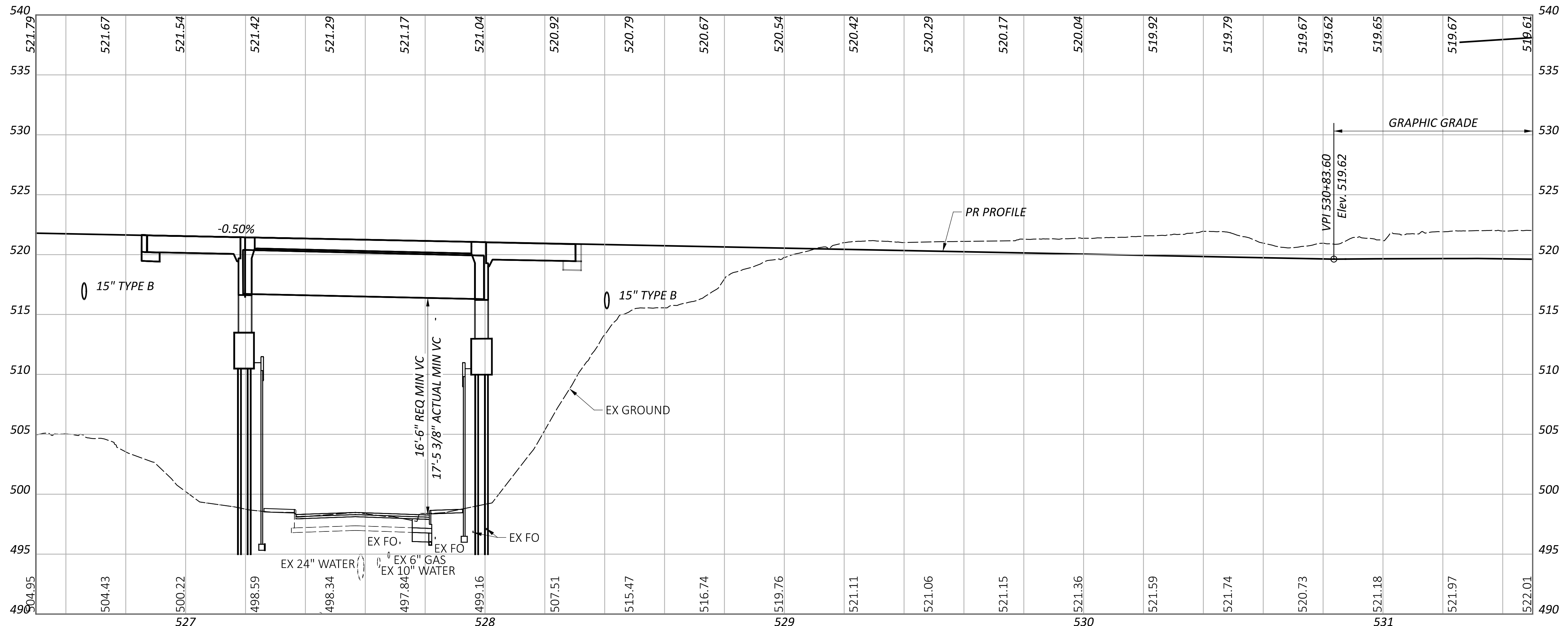
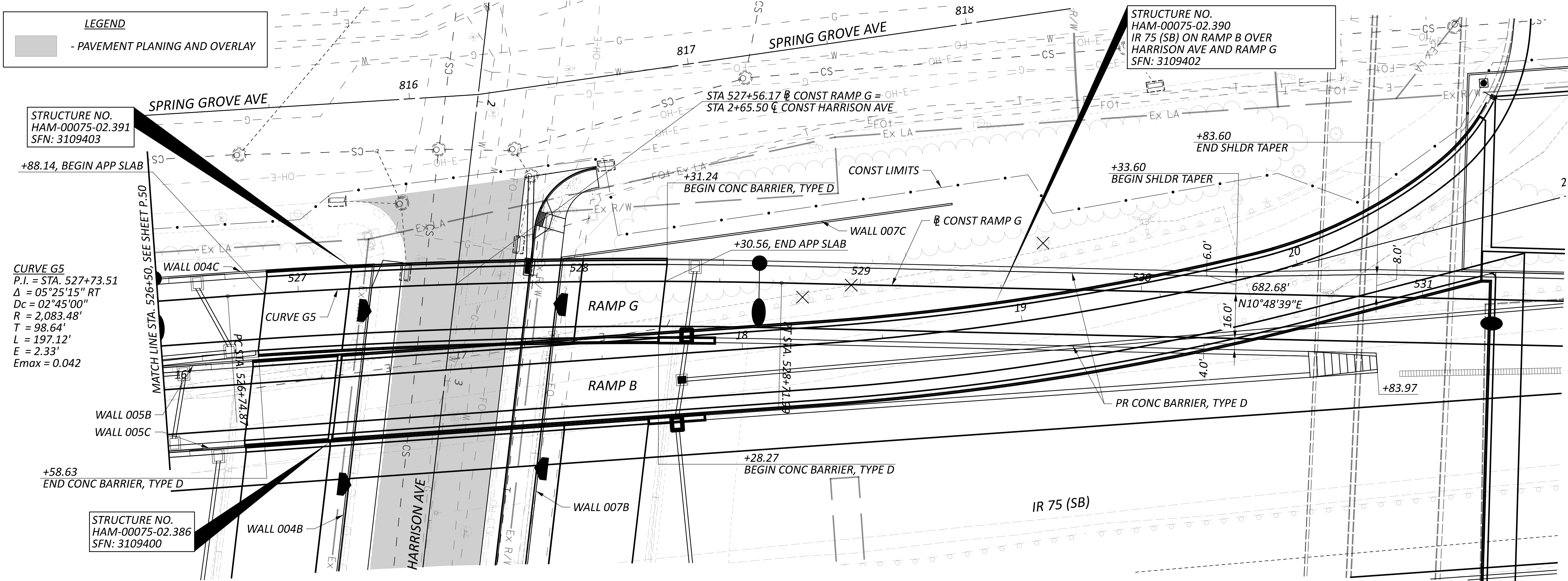
P.49 463



PLAN AND PROFILE - RAMP G
 STA 521+50.00 TO STA 526+50.00

DESIGN AGENCY	BLM
DESIGNER	EMHT
REVIEWER	MJR 06-21-24
PROJECT ID	114161
SHEET	P.50
TOTAL	463

LEGEND
 - PAVEMENT PLANING AND OVERLAY



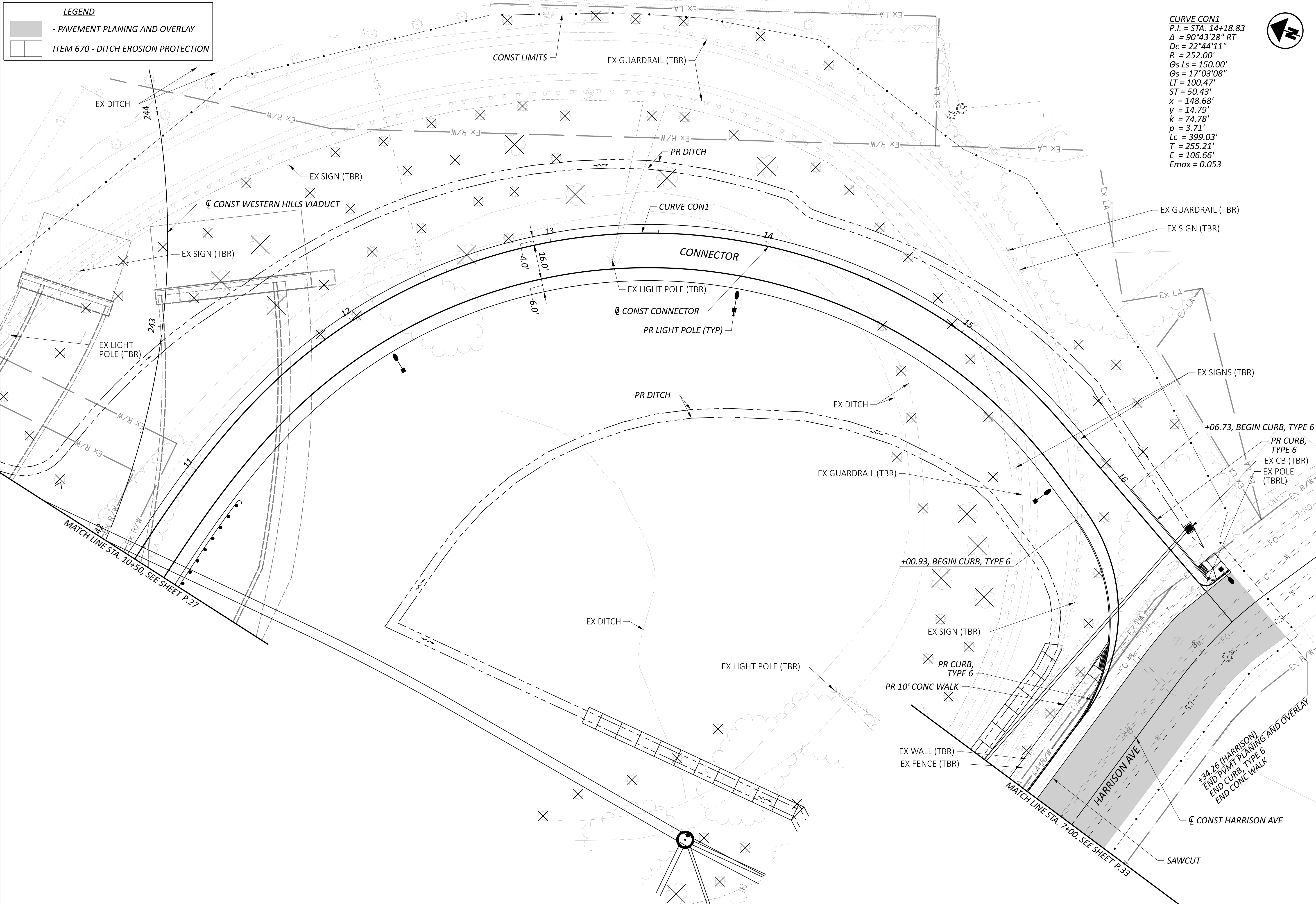
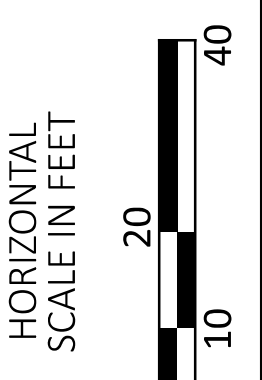
PLAN AND PROFILE - RAMP G
STA 526+50.00 TO STA 531+50.00

DESIGN AGENCY	EMHT
DESIGNER	BLM
REVIEWER	MJR 06-21-24
PROJECT ID	114161
SHEET	P.51
TOTAL	463

LEGEND

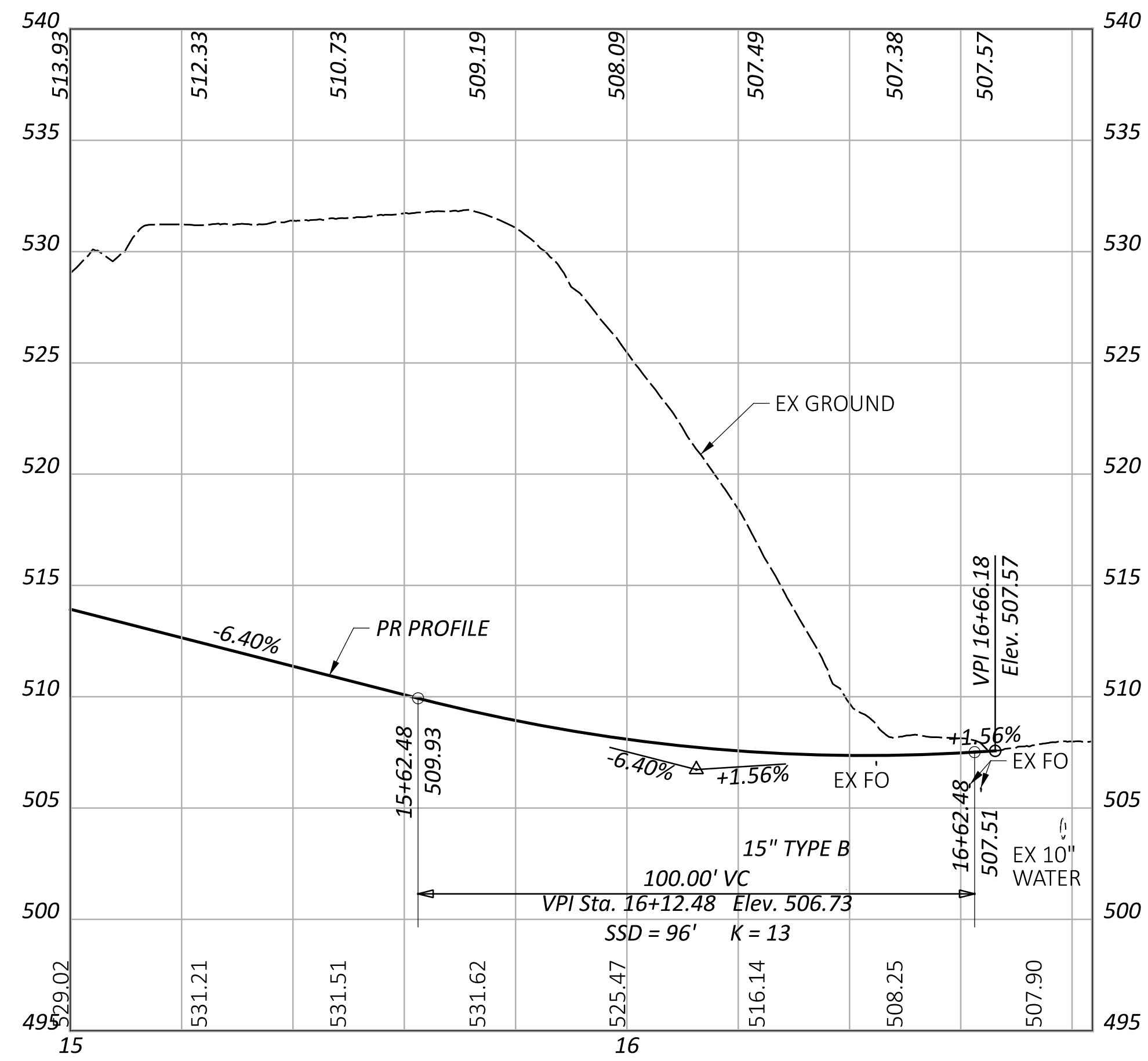
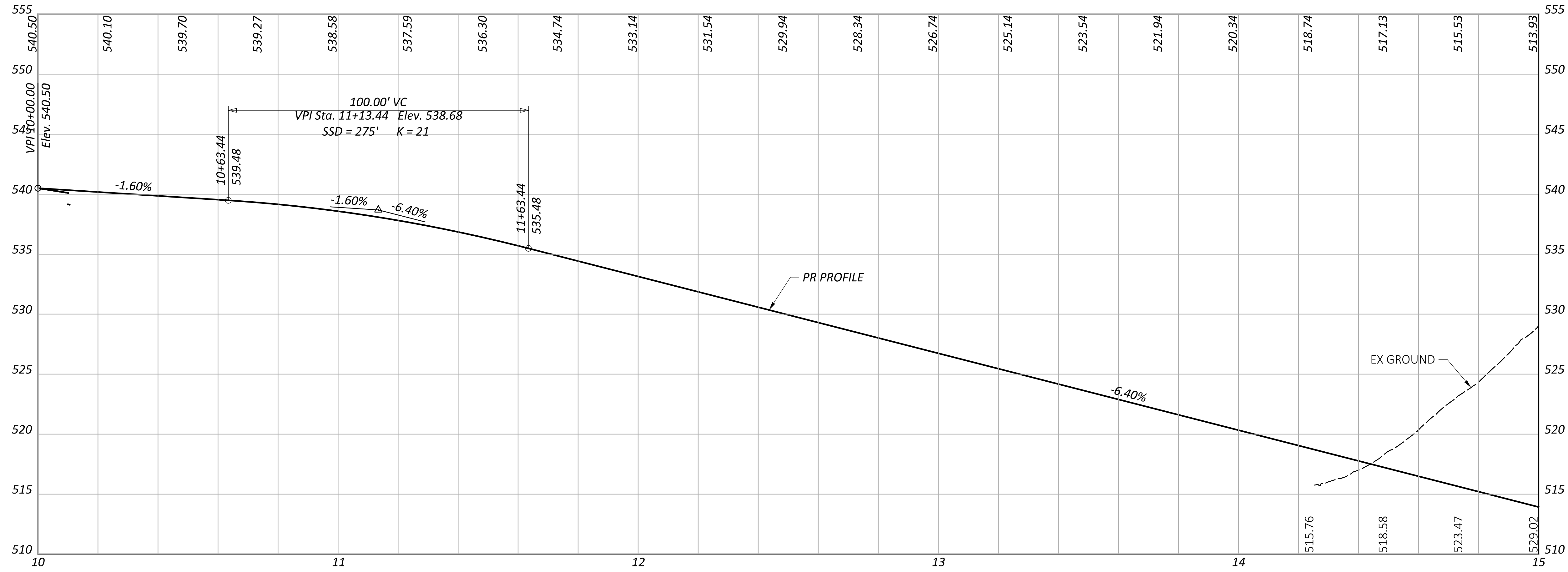
- PAVEMENT PLANING AND OVERLAY
- ITEM 670 - DITCH EROSION PROTECTION

CURVE CON1
 P.I. = STA. 14+18.83
 $\Delta = 90^{\circ}43'28''$ RT
 $D_c = 22^{\circ}44'11''$
 $R = 252.00'$
 $O_s L_s = 150.00'$
 $O_s = 17^{\circ}03'08''$
 $LT = 100.47'$
 $ST = 50.43'$
 $x = 148.68'$
 $y = 14.79'$
 $k = 74.78'$
 $p = 3.71'$
 $L_c = 399.03'$
 $T = 255.21'$
 $E = 106.66'$
 $E_{max} = 0.053$



PLAN - CONNECTOR
 STA 10+50.00 TO STA 16+83.65

DESIGN AGENCY	EMHT
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	P.52
TOTAL	463

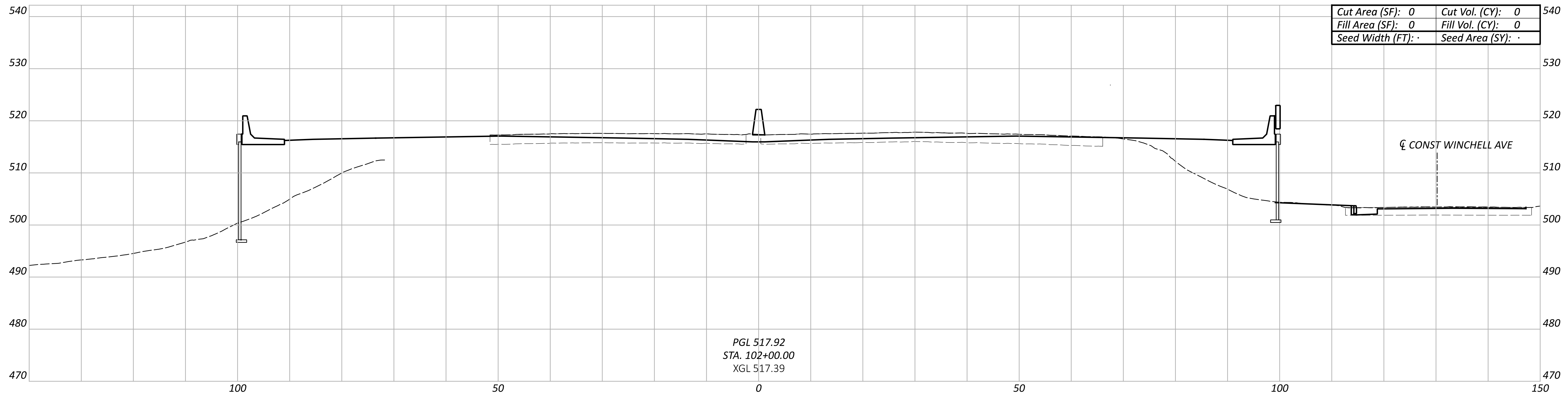


PROFILE - CONNECTOR
 STA 10+00.00 TO STA 16+83.65

DESIGN AGENCY



DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	TOTAL
P.53	463



PGL 517.92
 STA. 102+00.00
 XGL 517.39

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CONST WINCHELL AVE

CROSS SECTIONS - IR 75
 STA 102+00.00

DESIGN AGENCY



DESIGNER

SJB

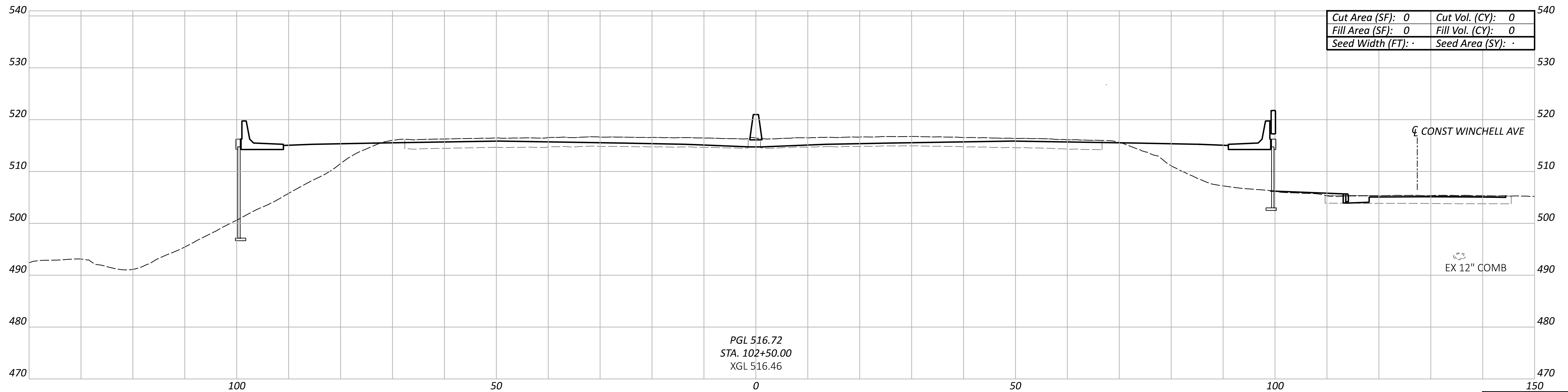
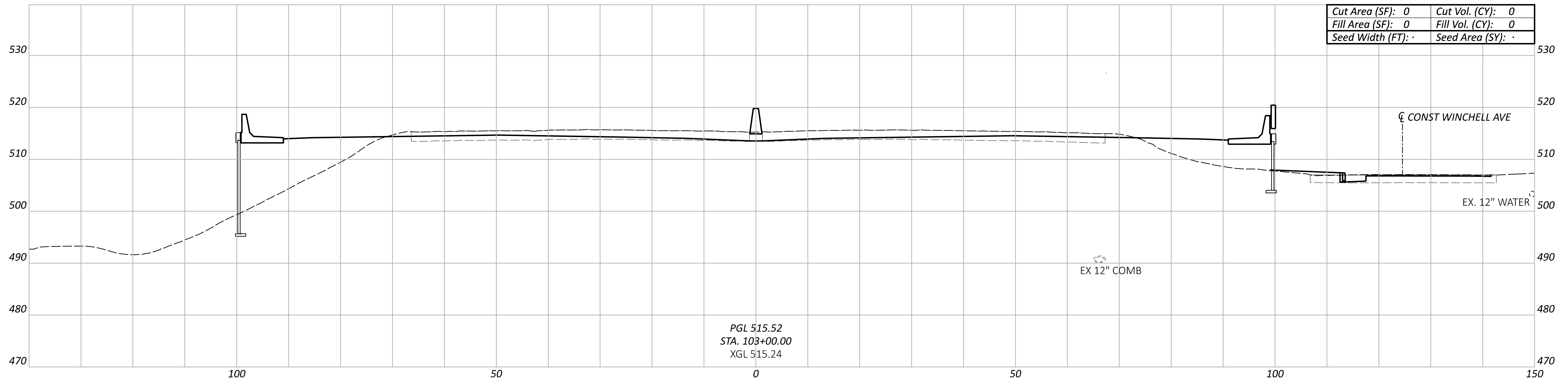
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.54	463



Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.55 463

DESIGN AGENCY

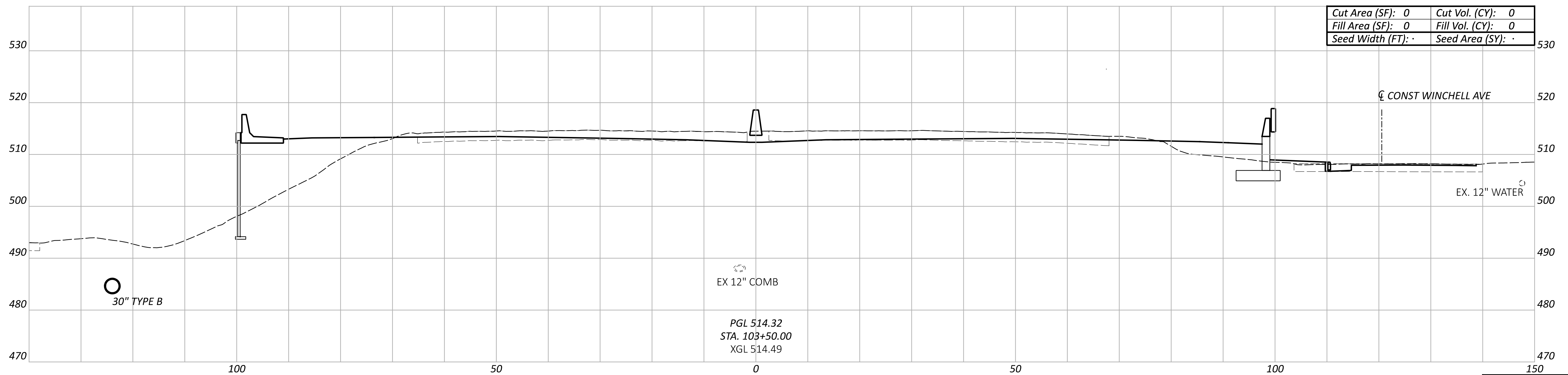
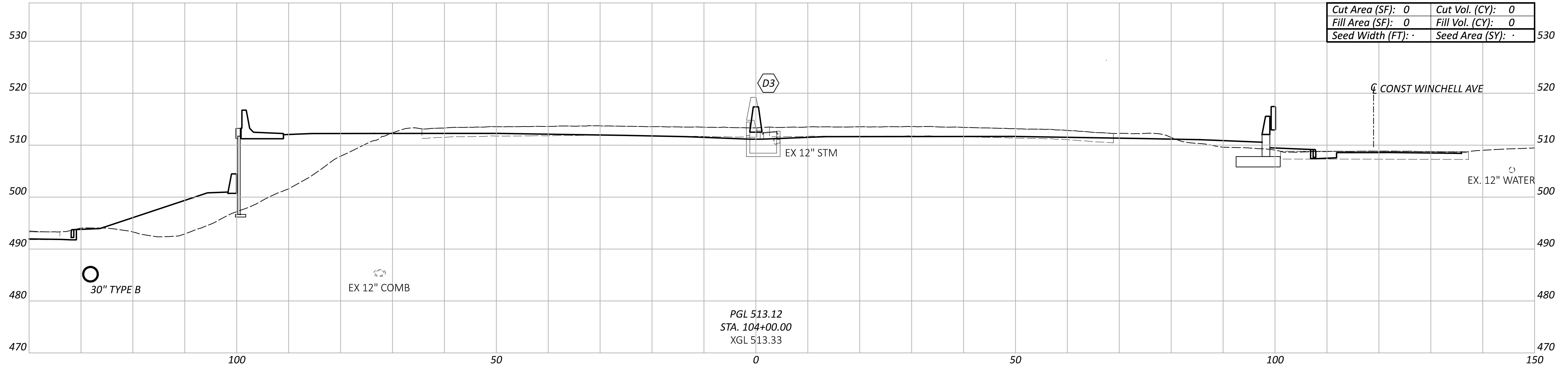


DESIGNER
SJB
REVIEWER
MJR 06/21/24

PROJECT ID

SHEET TOTAL
P.55 463

CROSS SECTIONS - IR 75
 STA 102+50.00 TO STA 103+00.00



CROSS SECTIONS - IR 75
 STA 103+50.00 TO STA 104+00.00

DESIGN AGENCY



DESIGNER

SJB

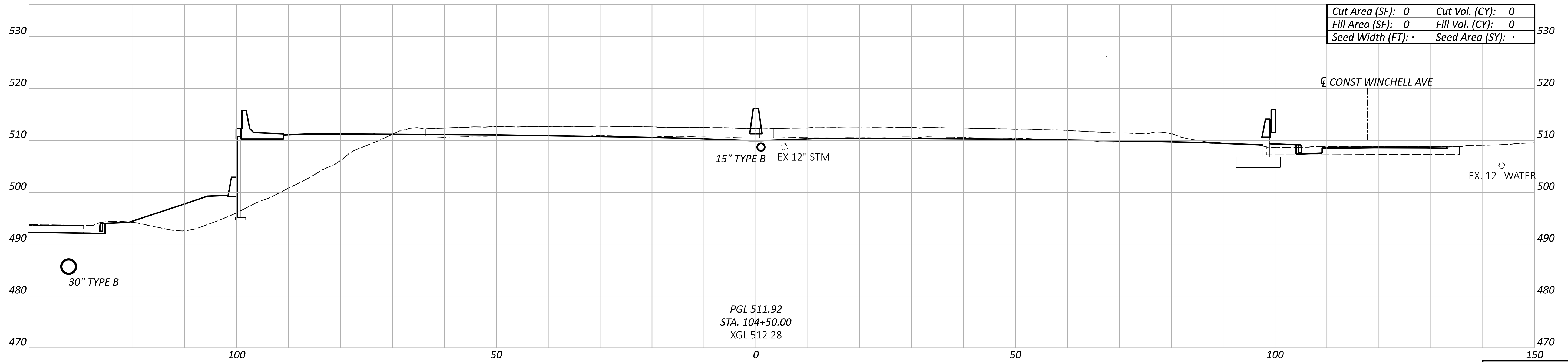
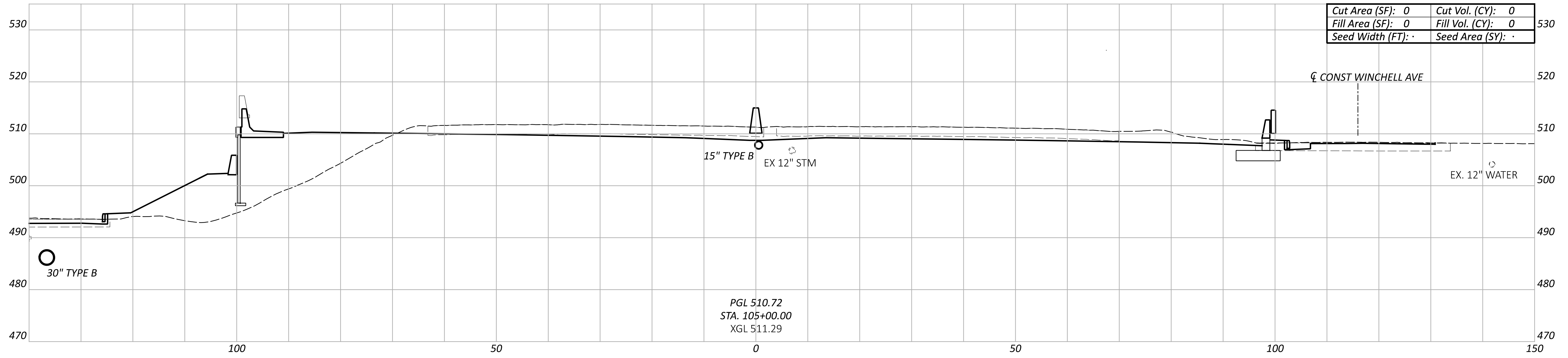
REVIEWER

MJR 06/21/24

PROJECT ID

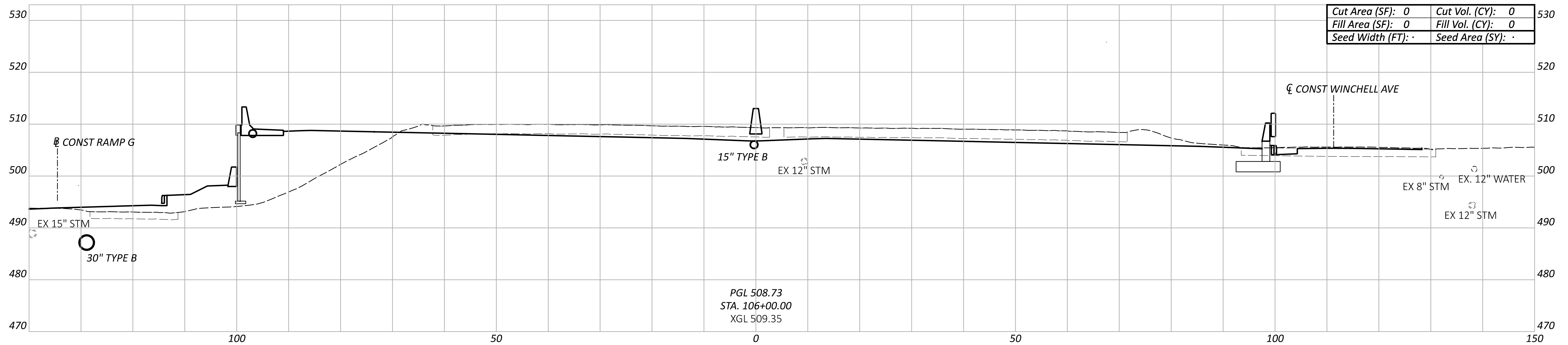
114161

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.56 463



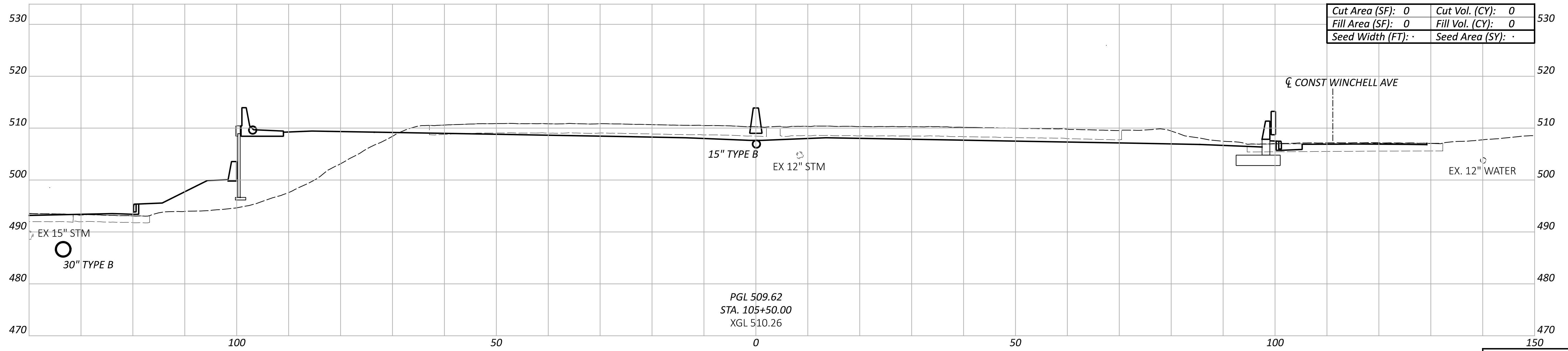
Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.57	463





PGL 508.73
 STA. 106+00.00
 XGL 509.35

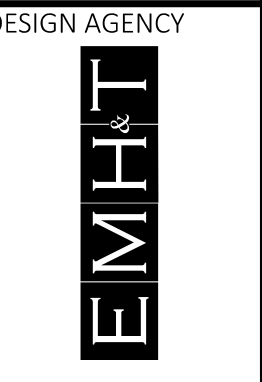
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.



PGL 509.62
 STA. 105+50.00
 XGL 510.26

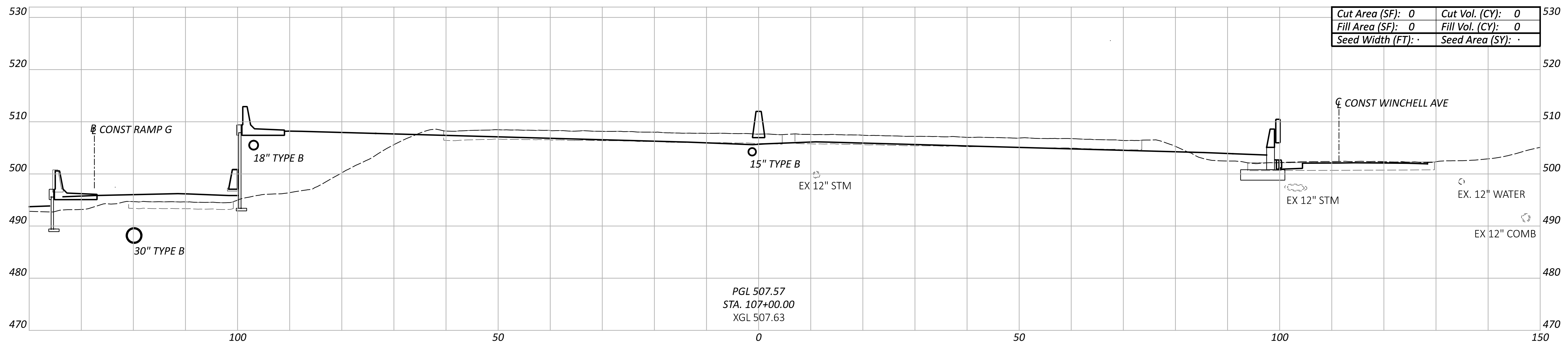
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - IR 75
 STA 105+50.00 TO STA 106+00.00



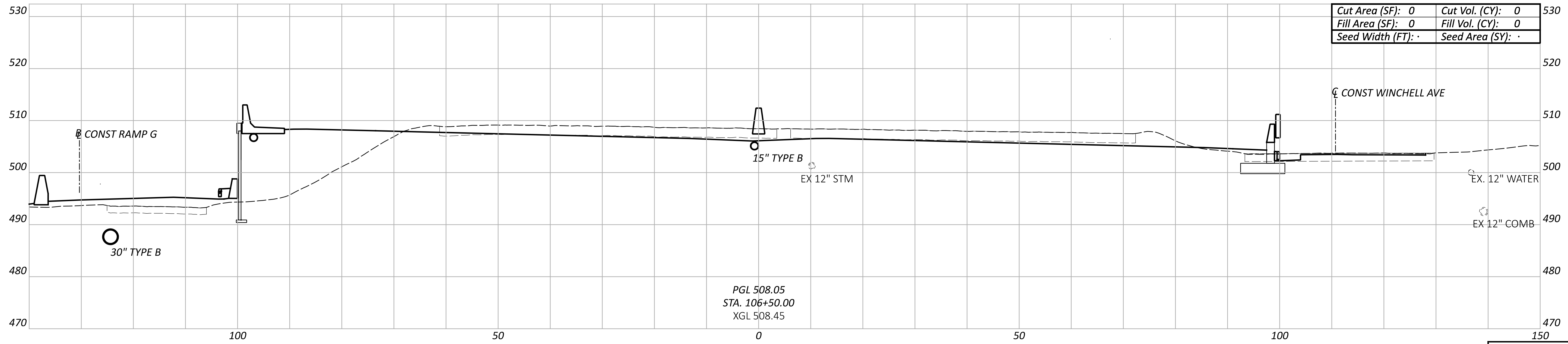
DESIGN AGENCY
 EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.58 463



PGL 507.57
STA. 107+00.00
XGL 507.63

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.




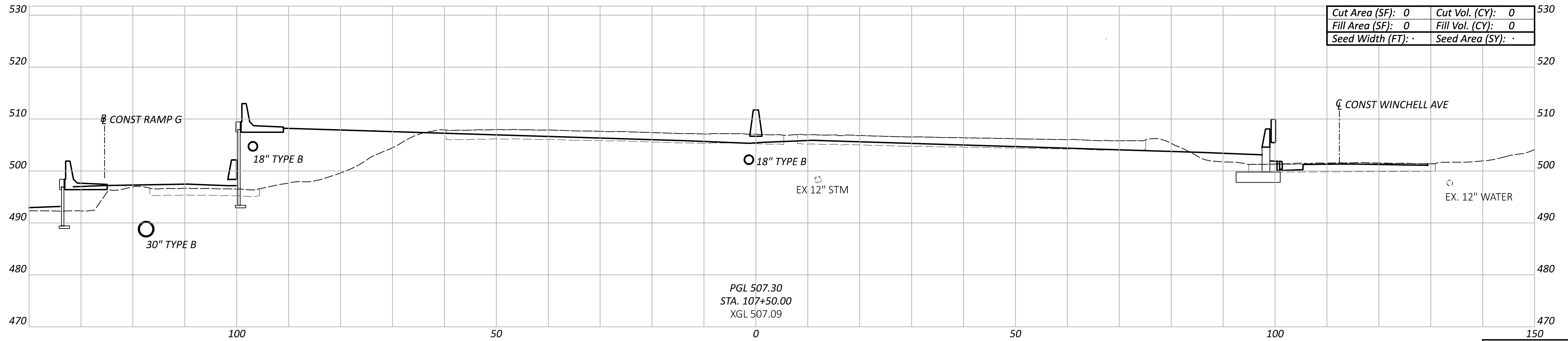
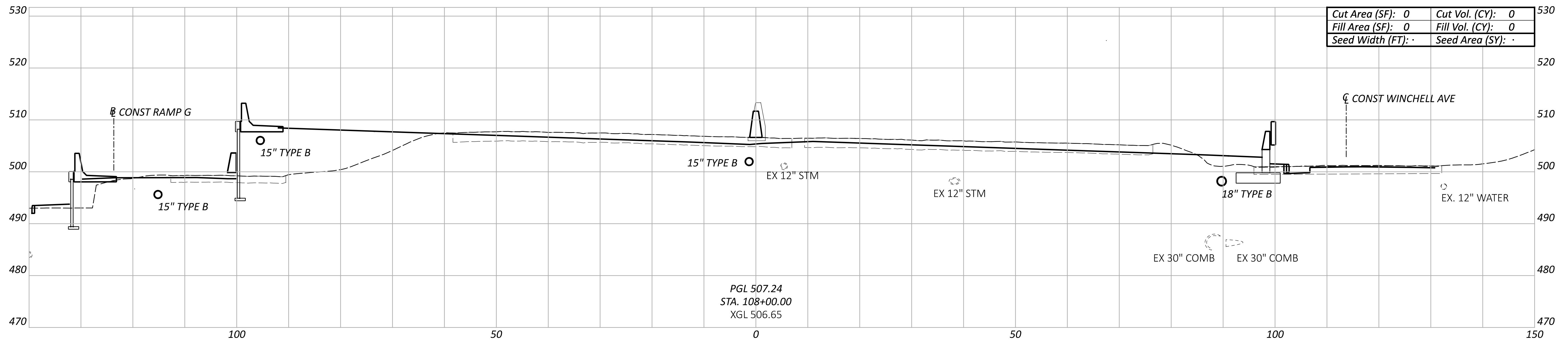
PGL 508.05
STA. 106+50.00
XGL 508.45

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.59 463

CROSS SECTIONS - IR 75
STA 106+50.00 TO STA 107+00.00

DESIGN AGENCY

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 MJR 06/21/24
 PROJECT ID
 114161



CROSS SECTIONS - IR 75
 STA 107+50.00 TO STA 108+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

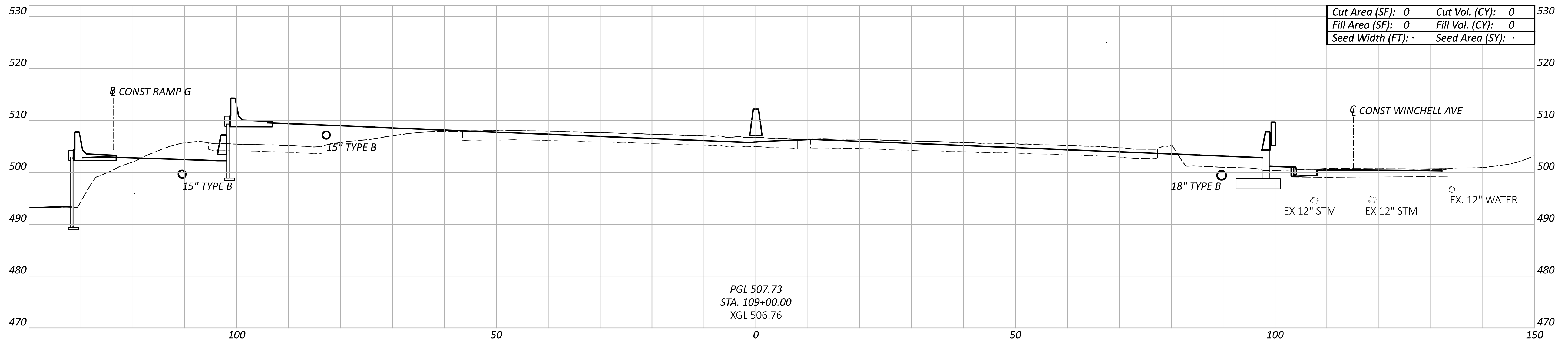
PROJECT ID

114161

Sheet Totals

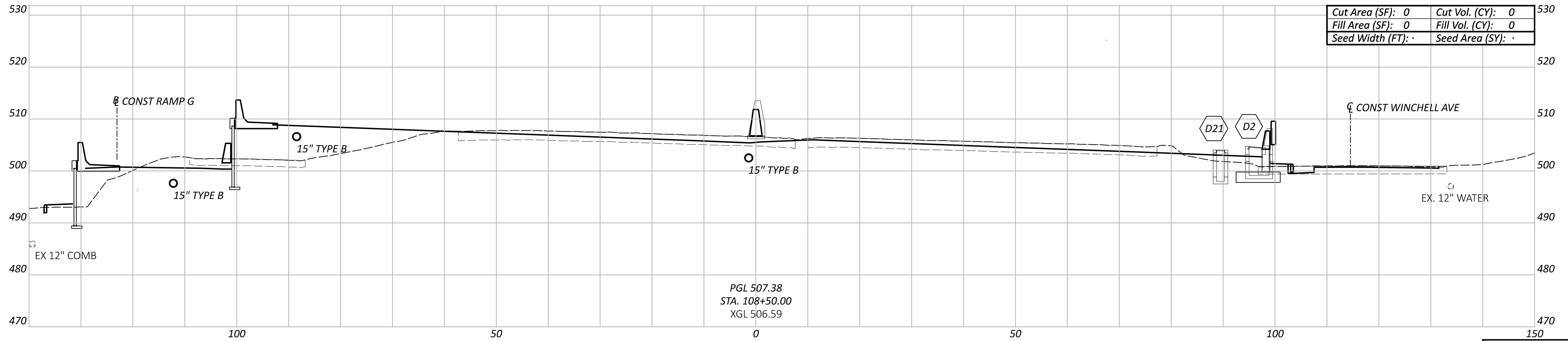
Seeding	Cut	Fill	TOTAL
.	.	.	P.60

463



PGL 507.73
 STA. 109+00.00
 XGL 506.76

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.



PGL 507.38
 STA. 108+50.00
 XGL 506.59

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.61 463

CROSS SECTIONS - IR 75
 STA 108+50.00 TO STA 109+00.00

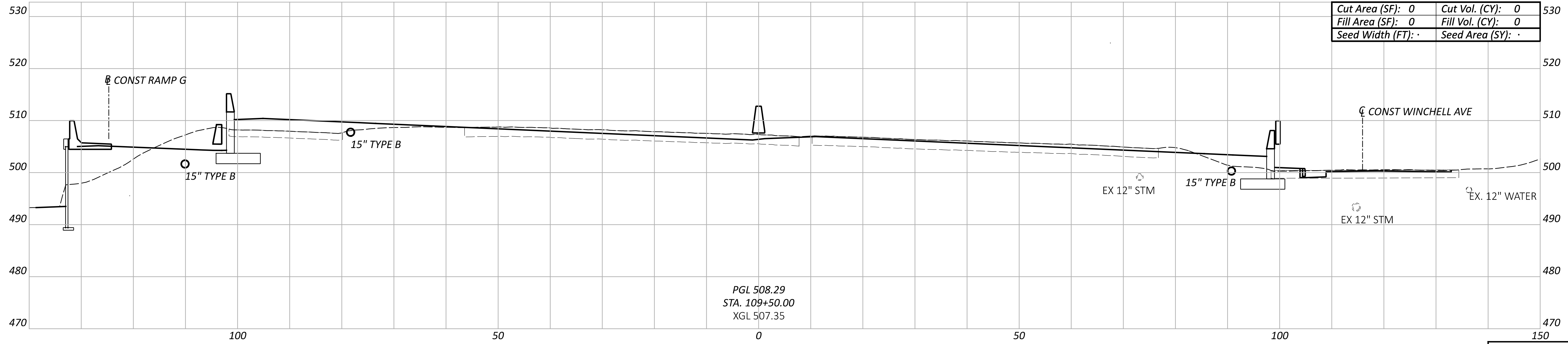
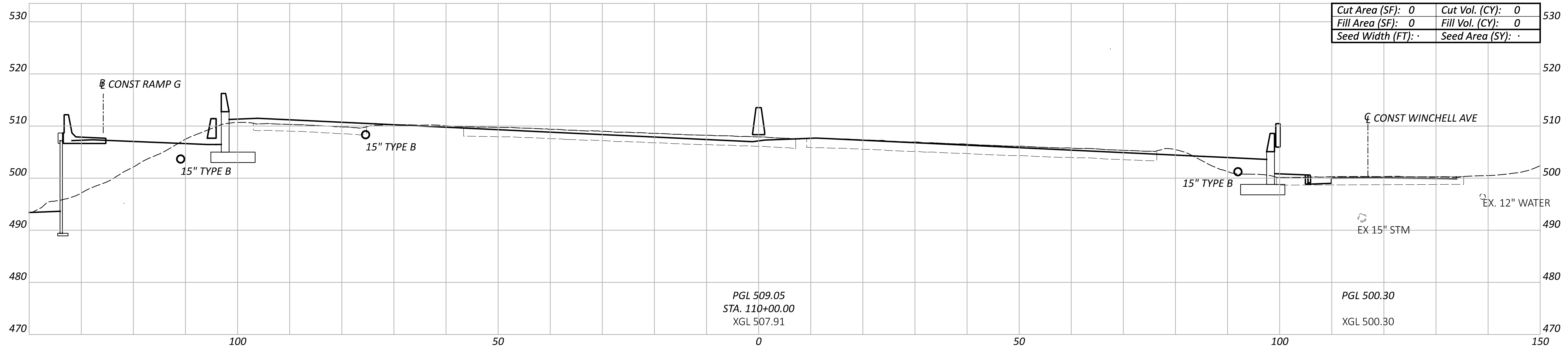
DESIGN AGENCY



DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24


PROJECT ID

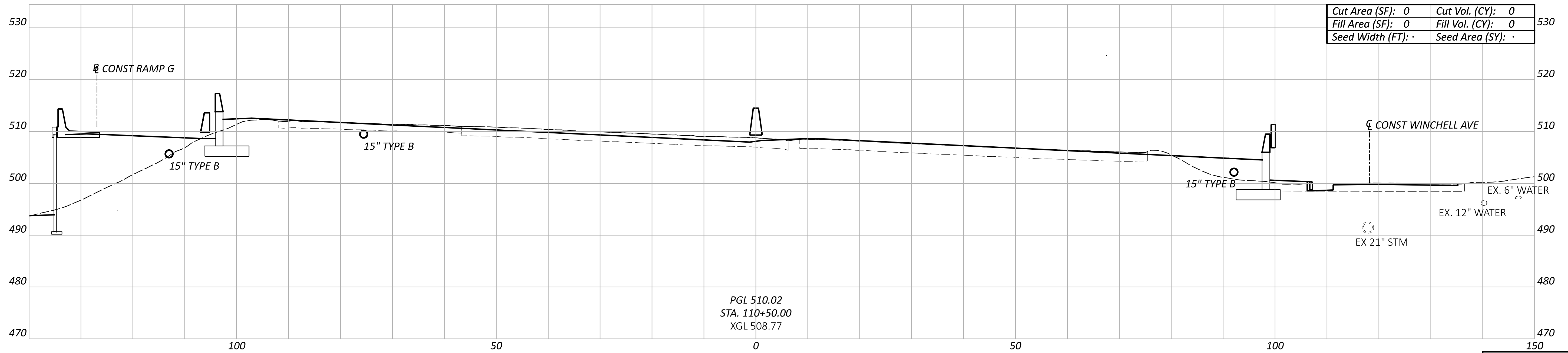
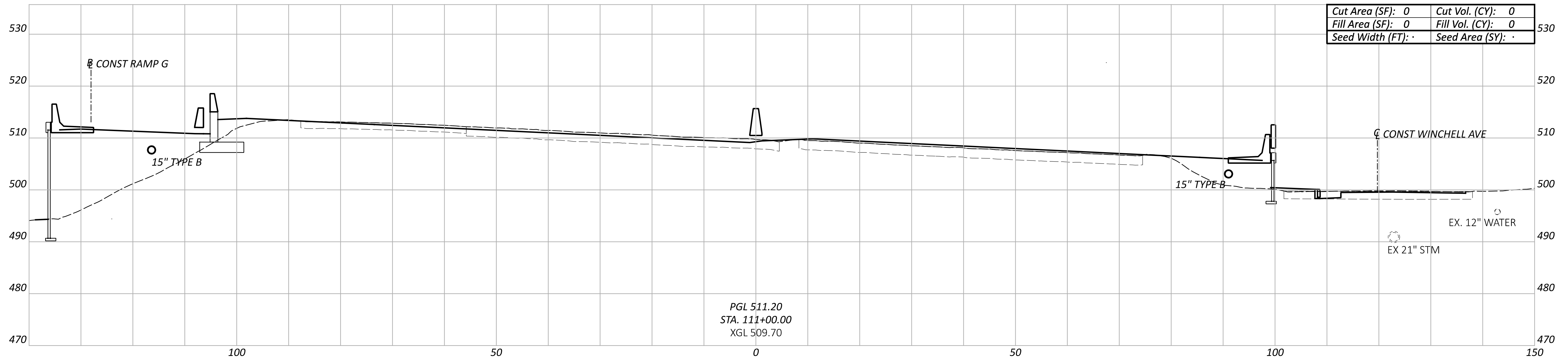
114161



Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.62 463

CROSS SECTIONS - IR 75
 STA 109+50.00 TO STA 110+00.00

DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

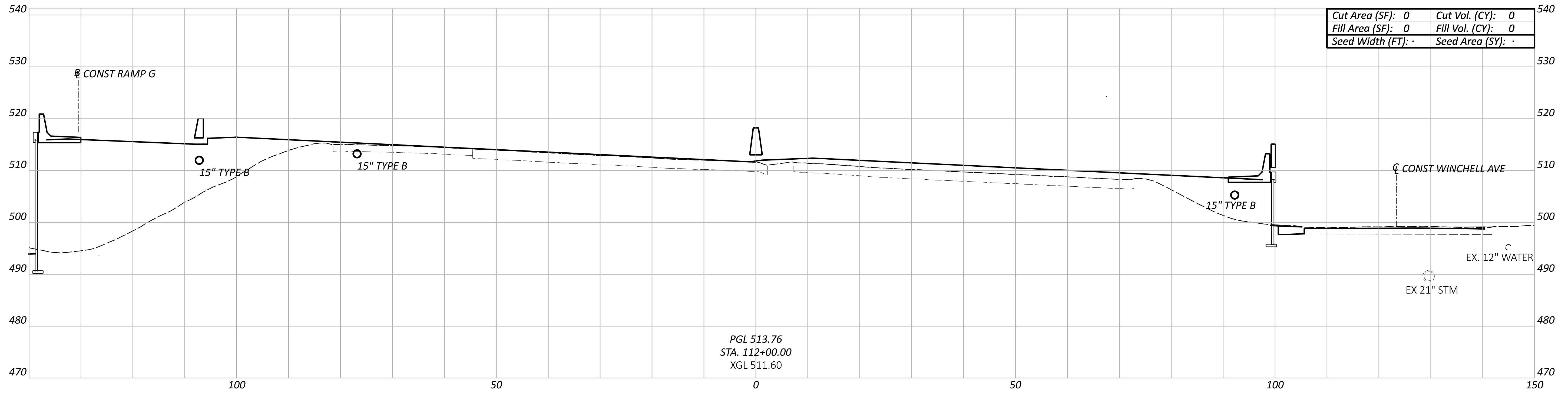


Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.63	463

CROSS SECTIONS - IR 75
 STA 110+50.00 TO STA 111+00.00

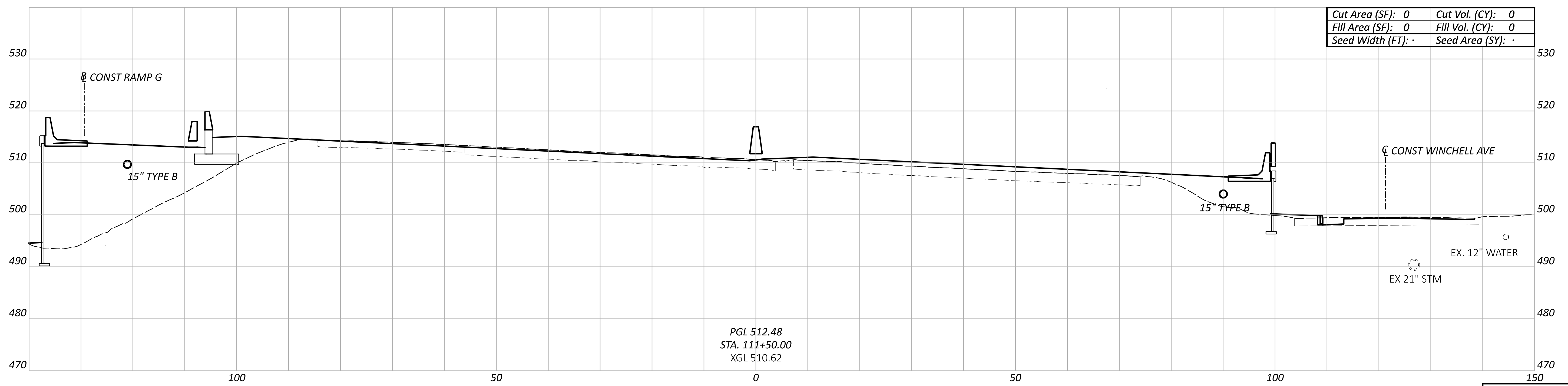
DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID



PGL 513.76
 STA. 112+00.00
 XGL 511.60

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.



PGL 512.48
 STA. 111+50.00
 XGL 510.62

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - IR 75
 STA 111+50.00 TO STA 112+00.00

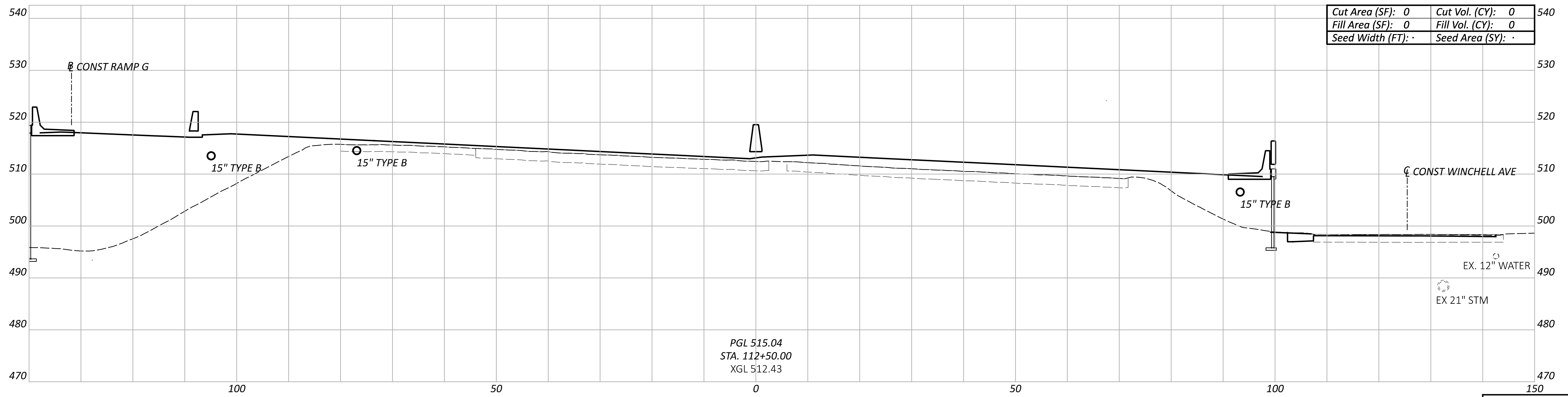
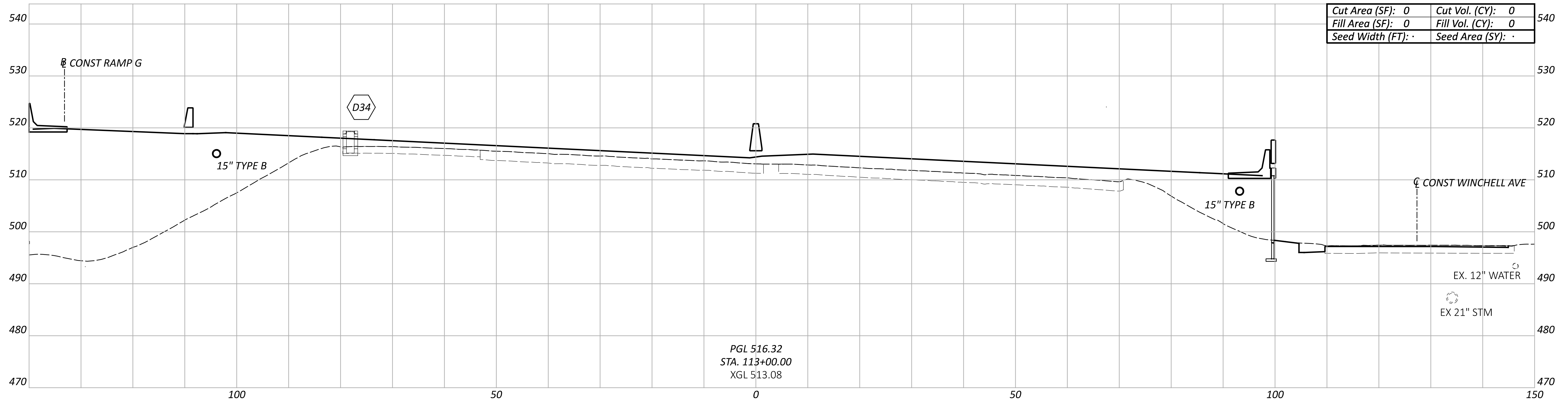
DESIGN AGENCY



DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24

PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.64 463



Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.65 463

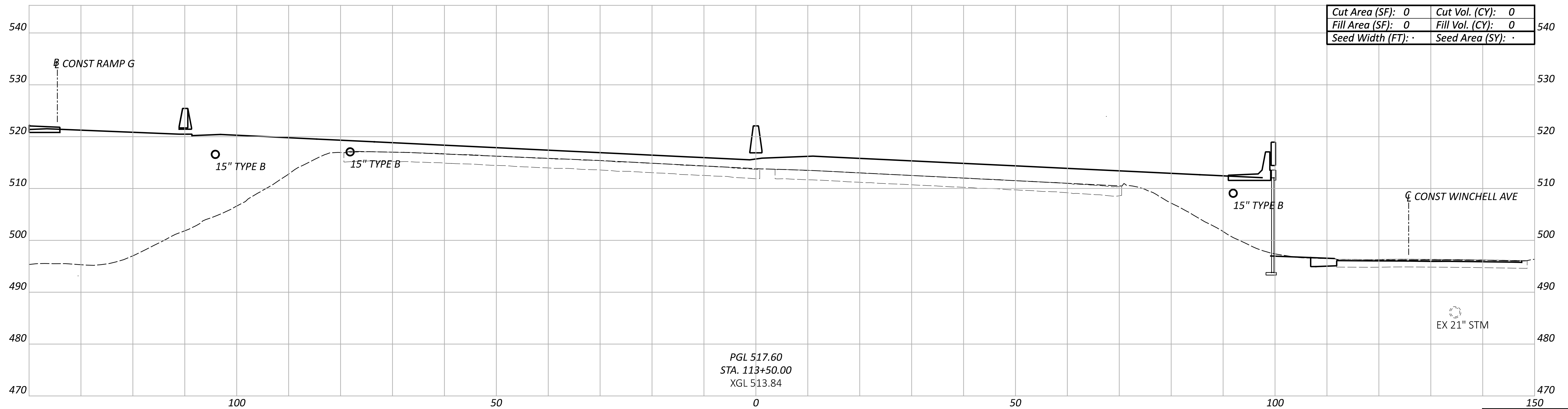
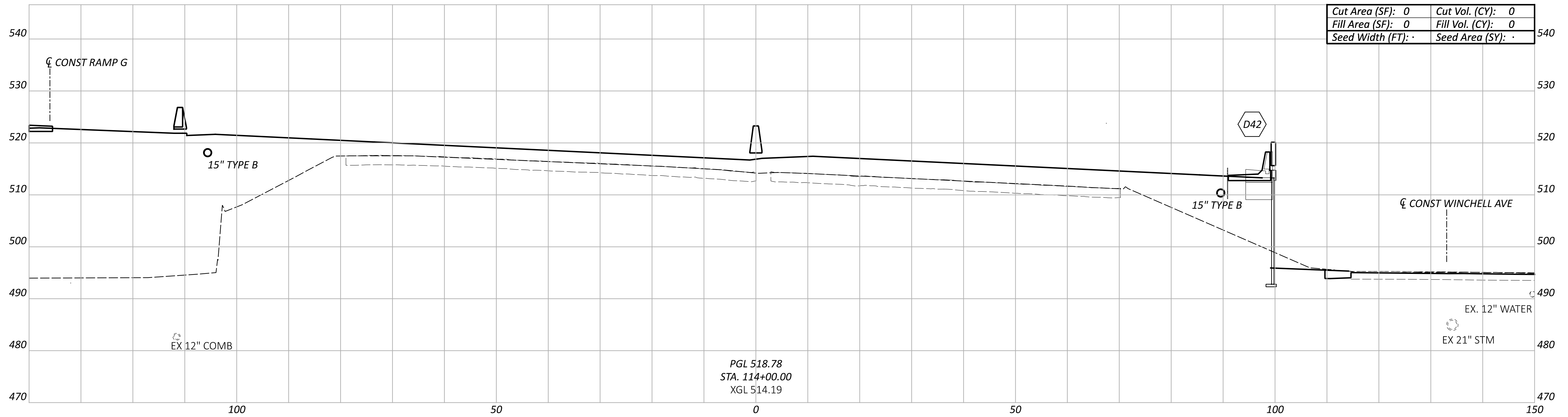
CROSS SECTIONS - IR 75
STA 112+50.00 TO STA 113+00.00

DESIGN AGENCY
EMHT

DESIGNER
SJB


REVIEWER
MJR 06/21/24

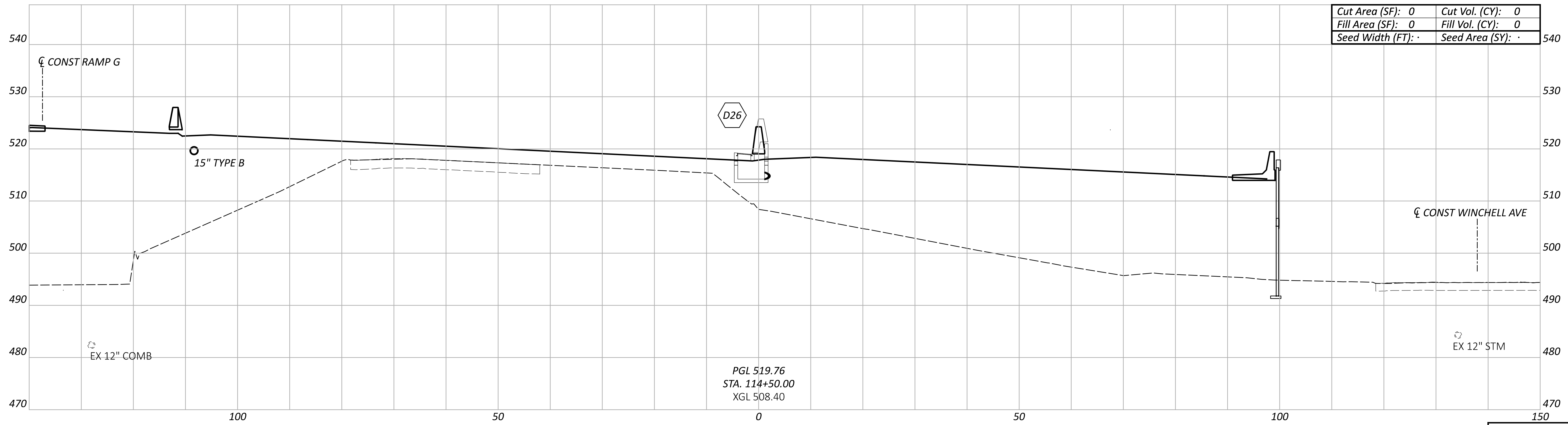
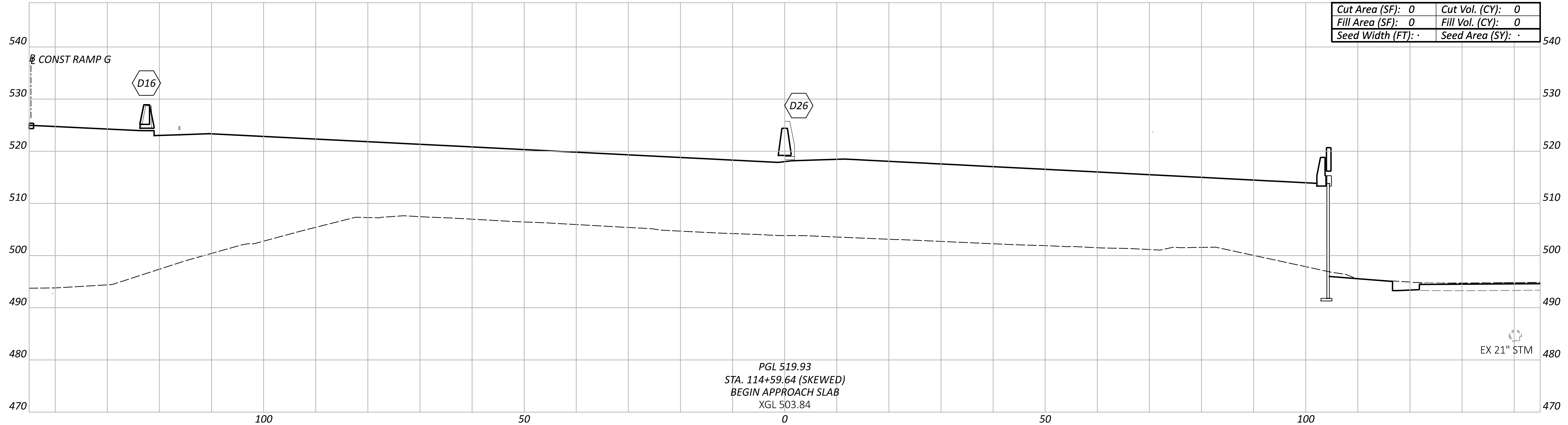
PROJECT ID
114161



Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.66 463

CROSS SECTIONS - IR 75
 STA 113+50.00 TO STA 114+00.00

DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161



Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.67	463

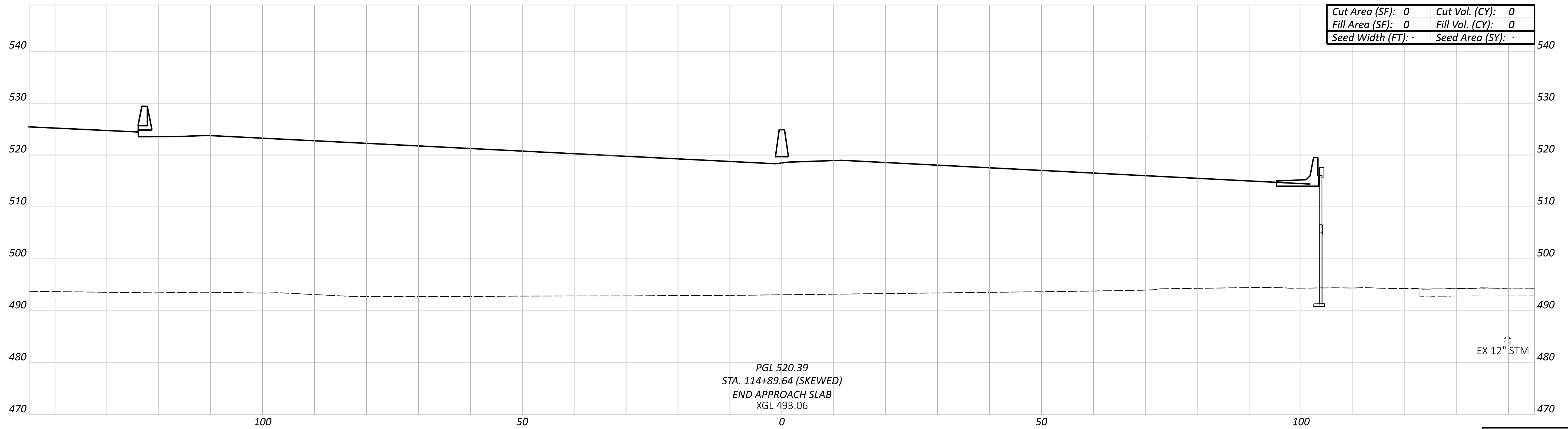
CROSS SECTIONS - IR 75
STA 114+50.00 TO STA 114+59.64

DESIGN AGENCY
EMHT

DESIGNER
SJB

REVIEWER
MJR 06/21/24

PROJECT ID
114161



PGL 520.39
STA. 114+89.64 (SKEWED)
END APPROACH SLAB
XGL 493.06

EX 12" STM

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	463

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

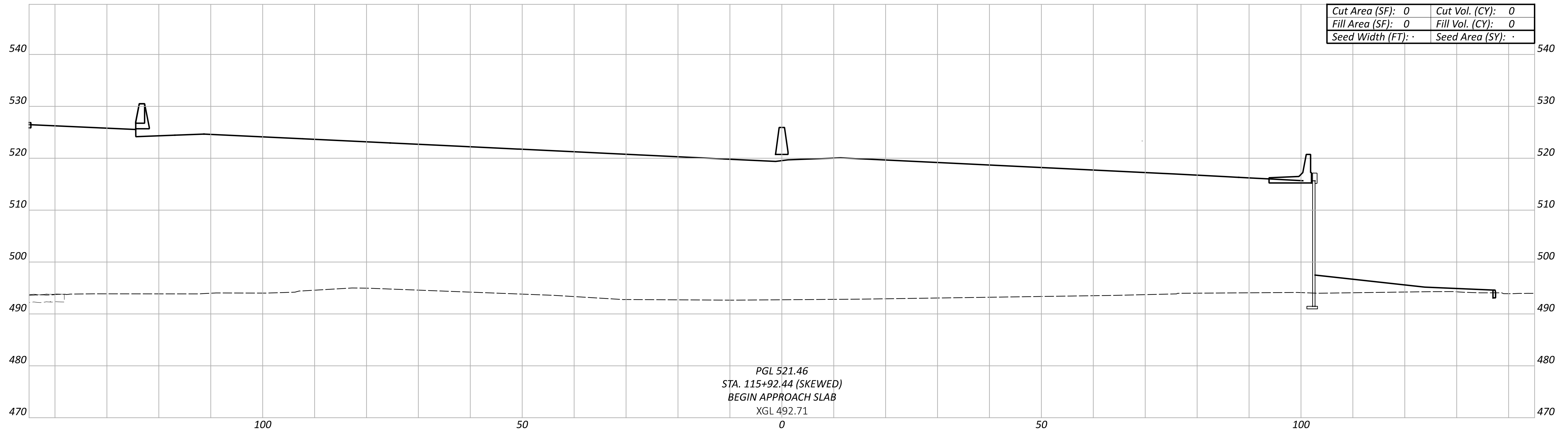
MJR 06/21/24

PROJECT ID

114161

SHEET TOTAL
P.68 463

CROSS SECTIONS - IR 75
STA 114+89.64



PGL 521.46
 STA. 115+92.44 (SKEWED)
 BEGIN APPROACH SLAB
 XGL 492.71

CROSS SECTIONS - IR 75
 STA 115+92.44

DESIGN AGENCY



DESIGNER

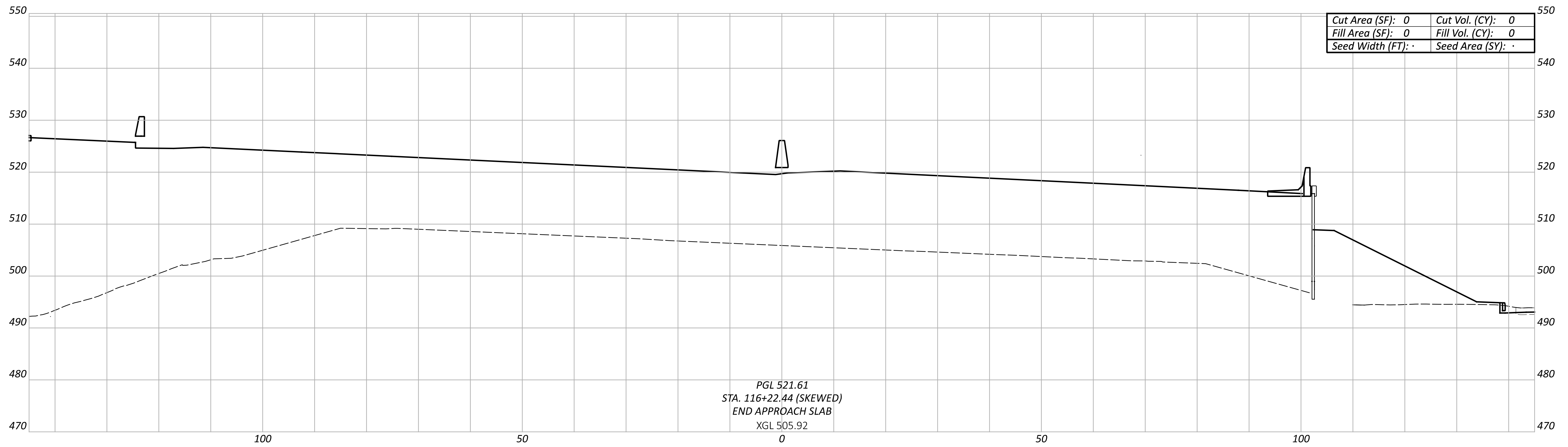
SJB

REVIEWER

MJR 06/21/24

PROJECT ID

114161



PGL 521.61
 STA. 116+22.44 (SKEWED)
 END APPROACH SLAB
 XGL 505.92

CROSS SECTIONS - IR 75
 STA 116+22.44

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

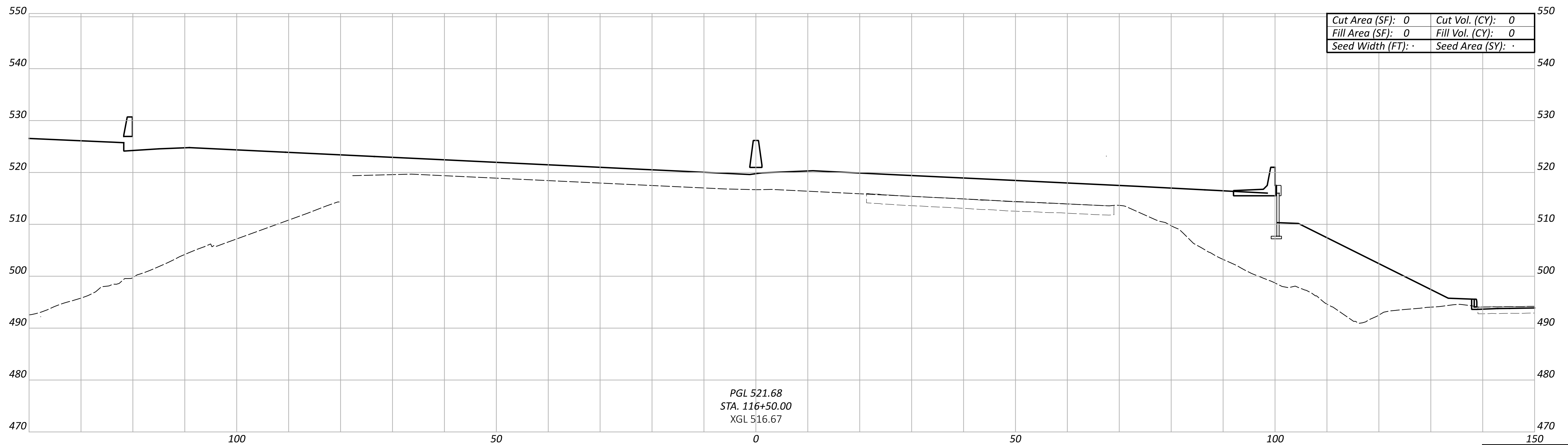
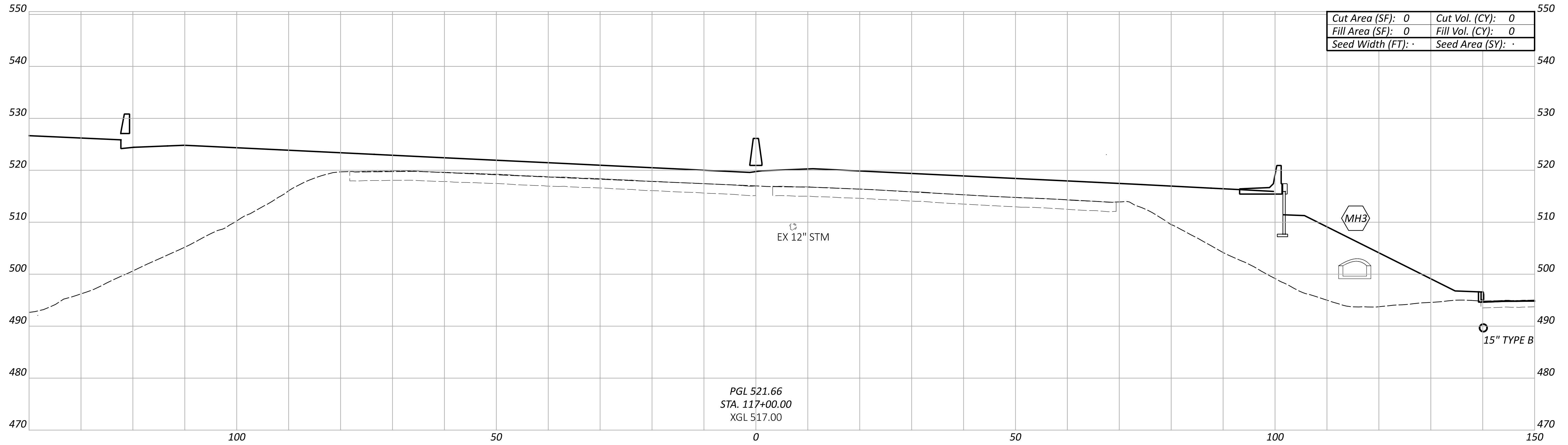
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill
.	.	.

SHEET	TOTAL
P.70	463



Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P-71	463

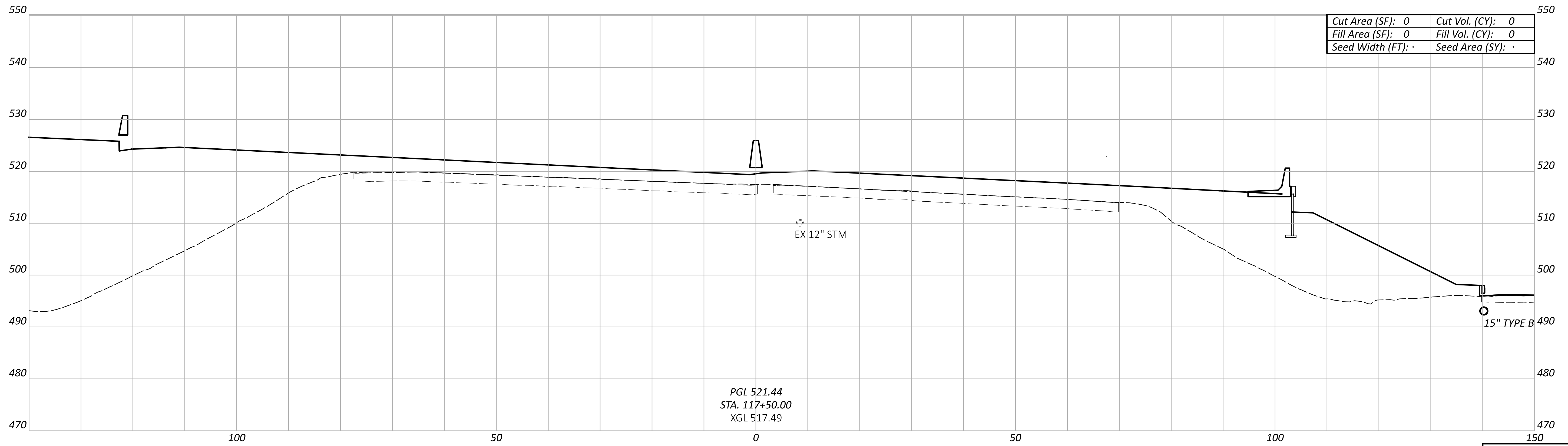
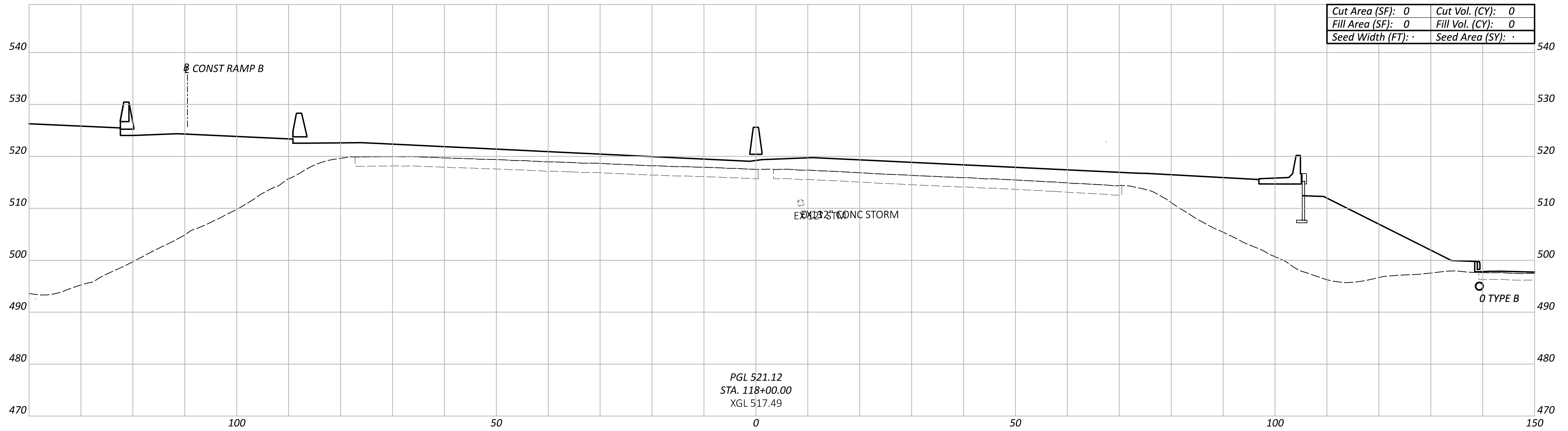
CROSS SECTIONS - IR 75
STA 116+50.00 TO STA 117+00.00

DESIGN AGENCY
EMHT

DESIGNER
SJB

REVIEWER
MJR 06/21/24

PROJECT ID
114161



Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P-72	463

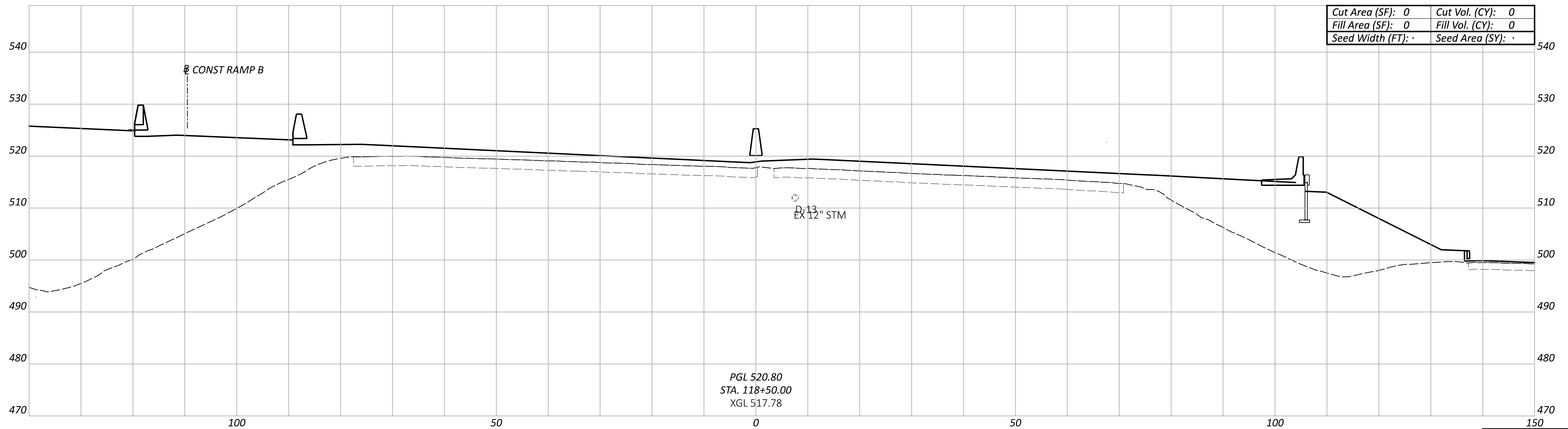
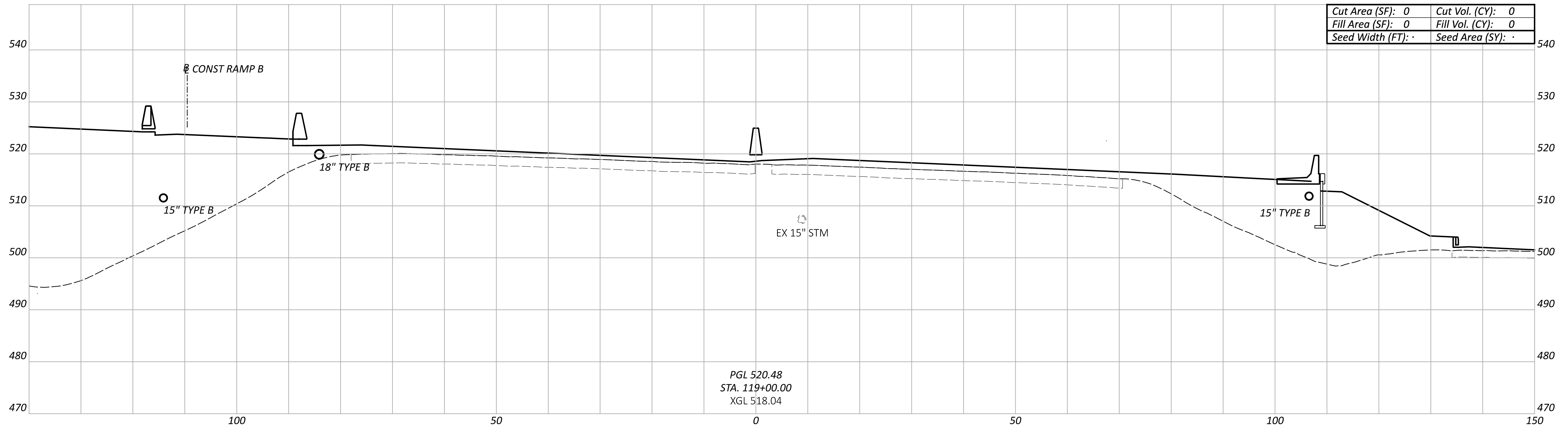
CROSS SECTIONS - IR 75
STA 117+50.00 TO STA 118+00.00

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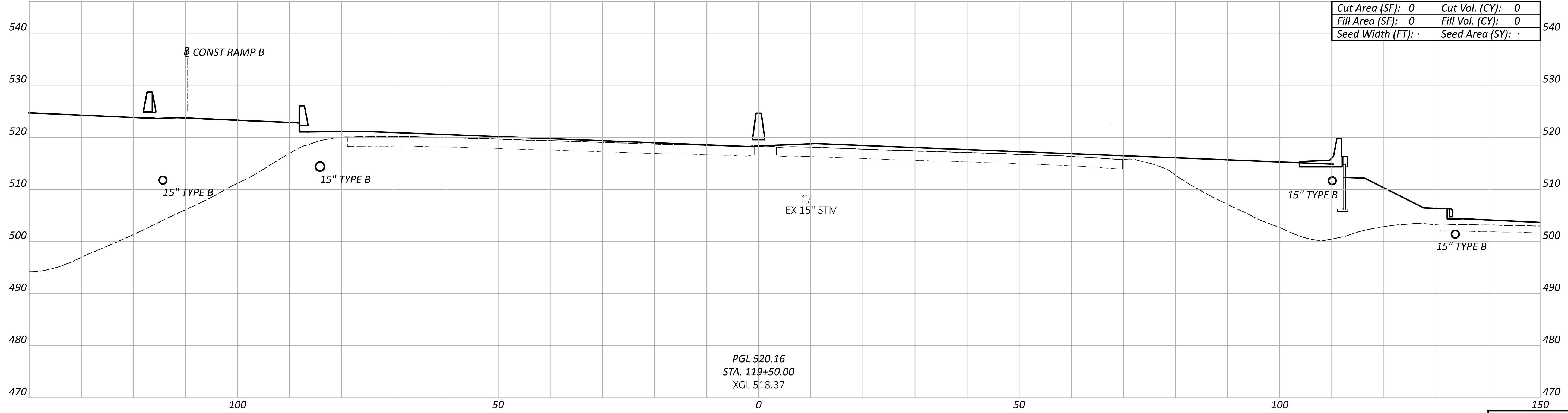
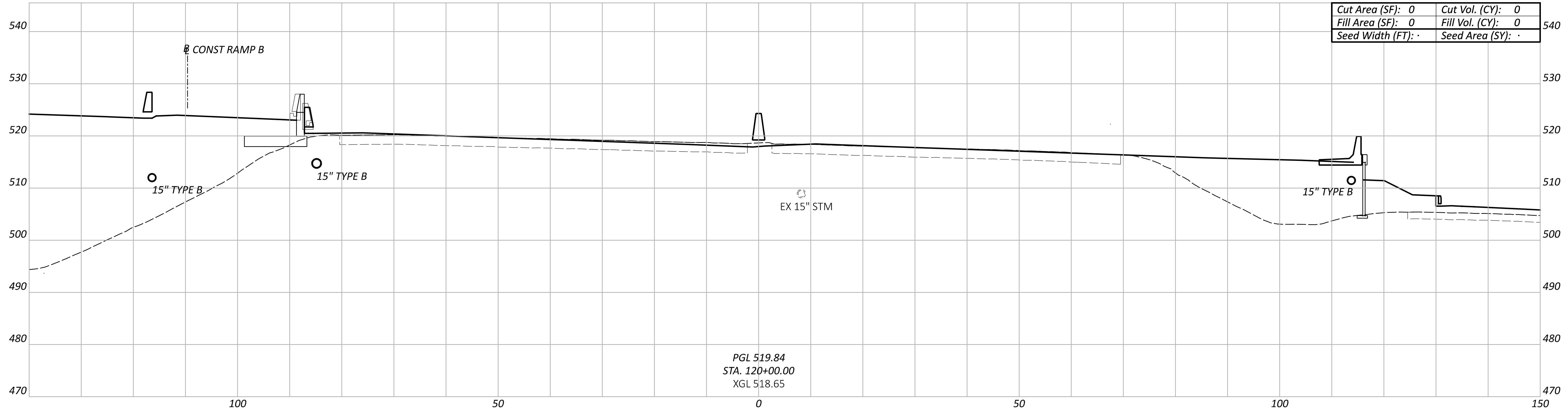
PROJECT ID
114161



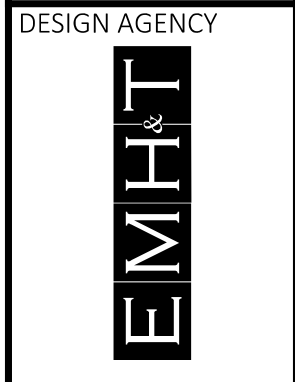
Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.73 463

CROSS SECTIONS - IR 75
 STA 118+50.00 TO STA 119+00.00

DESIGN AGENCY
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 114161

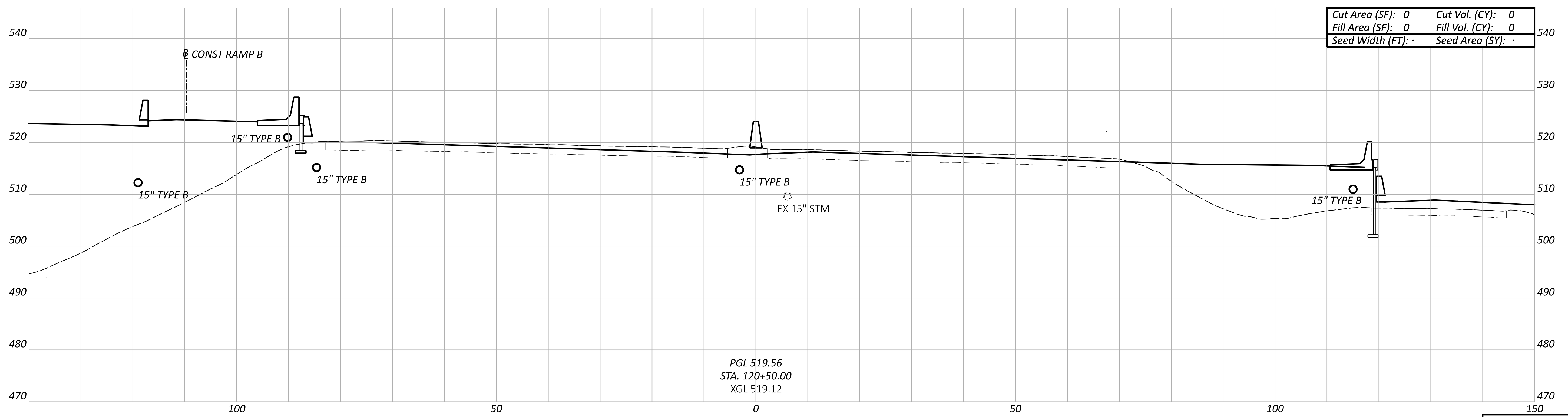
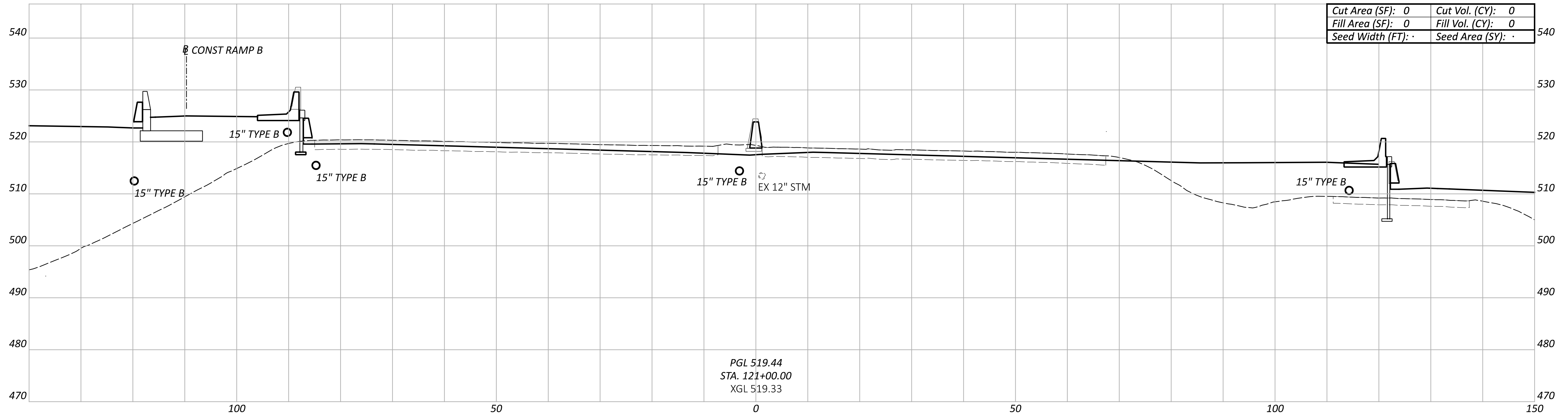


CROSS SECTIONS - IR 75
STA 119+50.00 TO STA 120+00.00



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PROJECT ID

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Seeding	Cut	Fill	TOTAL
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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
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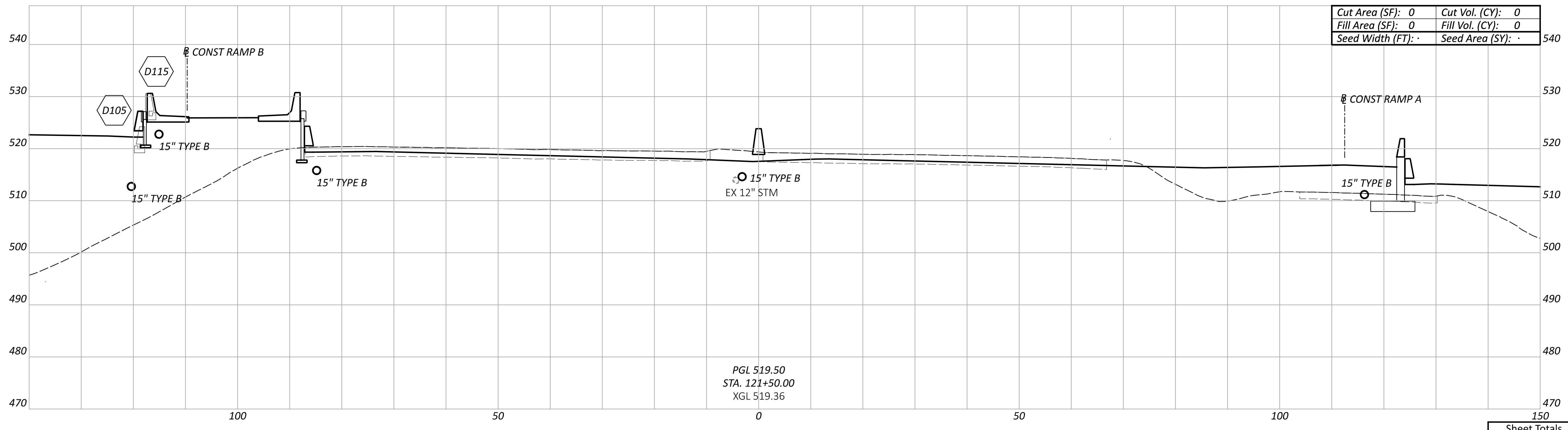
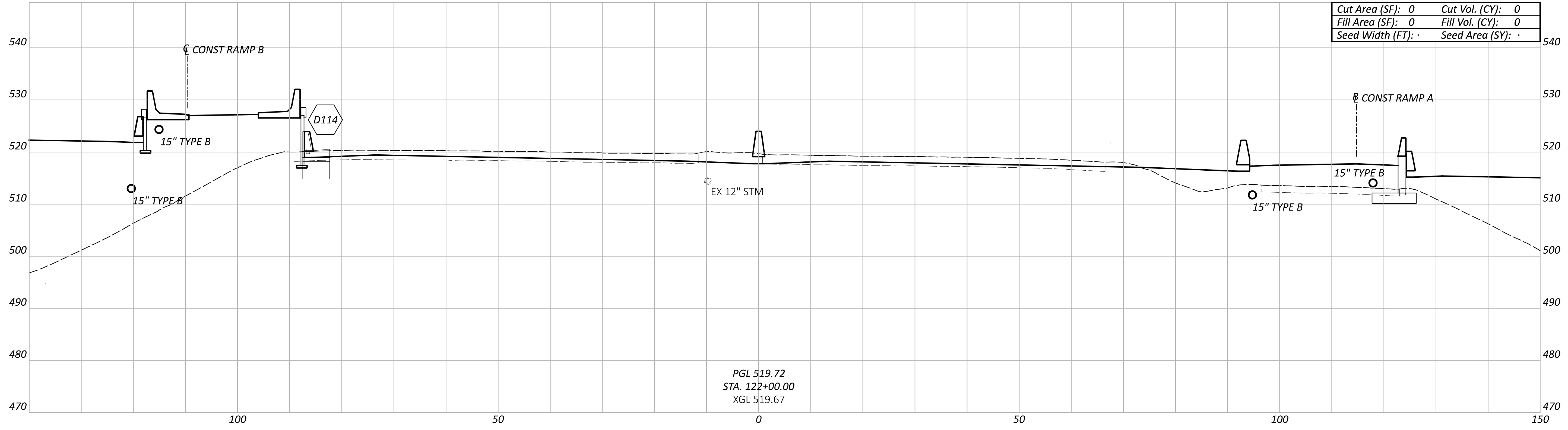
CROSS SECTIONS - IR 75
STA 120+50.00 TO STA 121+00.00

DESIGN AGENCY
EMHT

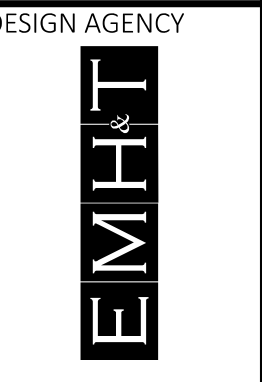
DESIGNER
SJB

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MJR 06/21/24

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114161

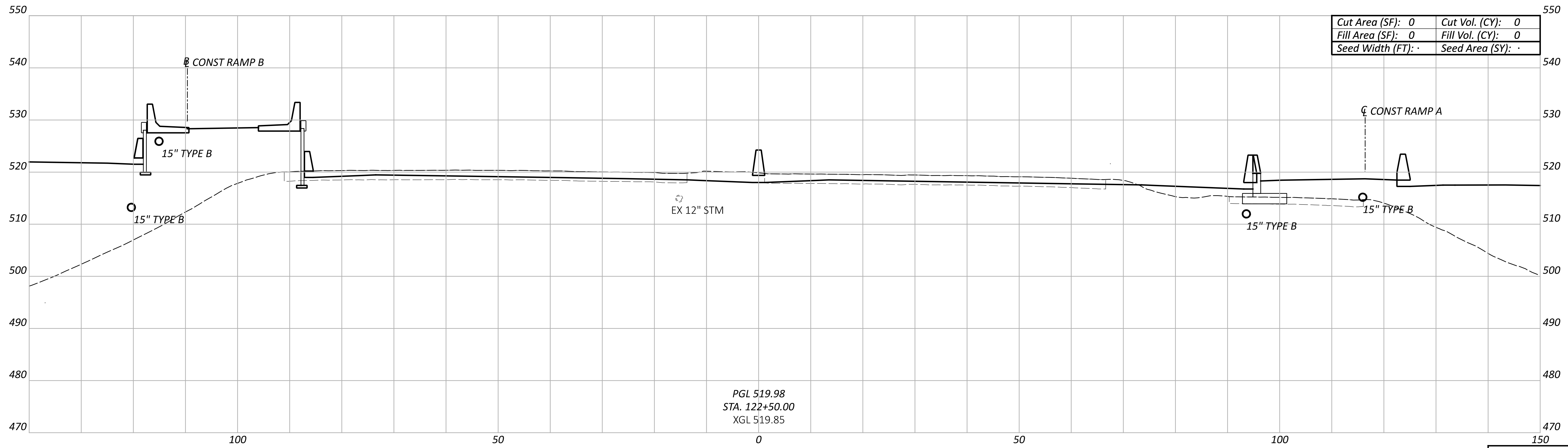
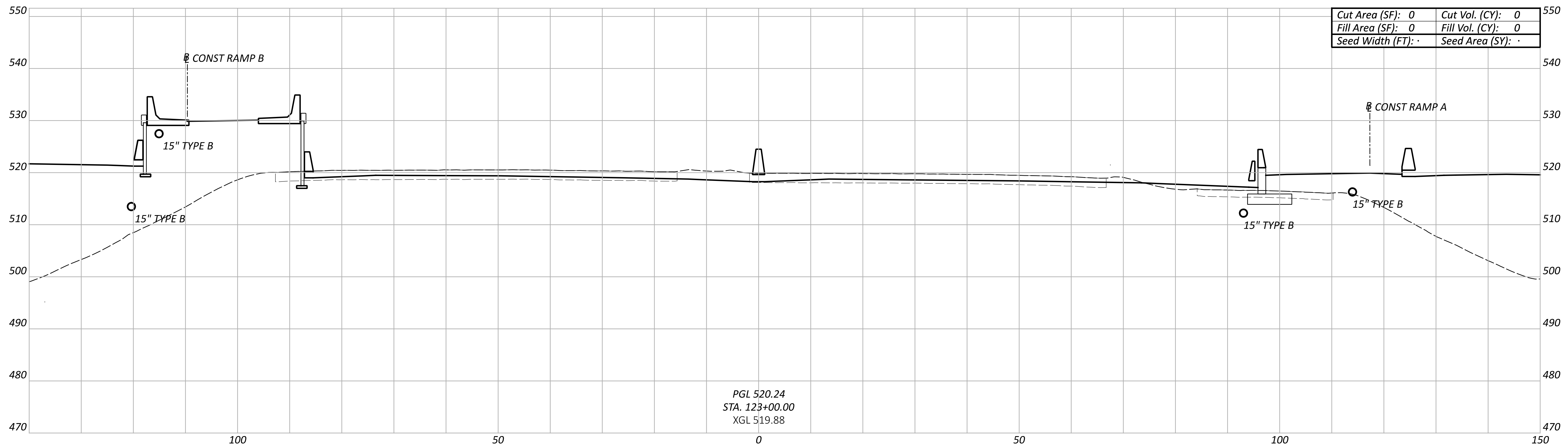


CROSS SECTIONS - IR 75
STA 121+50.00 TO STA 122+00.00

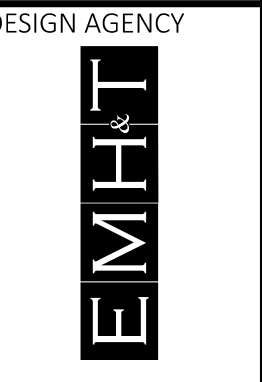


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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.76 463

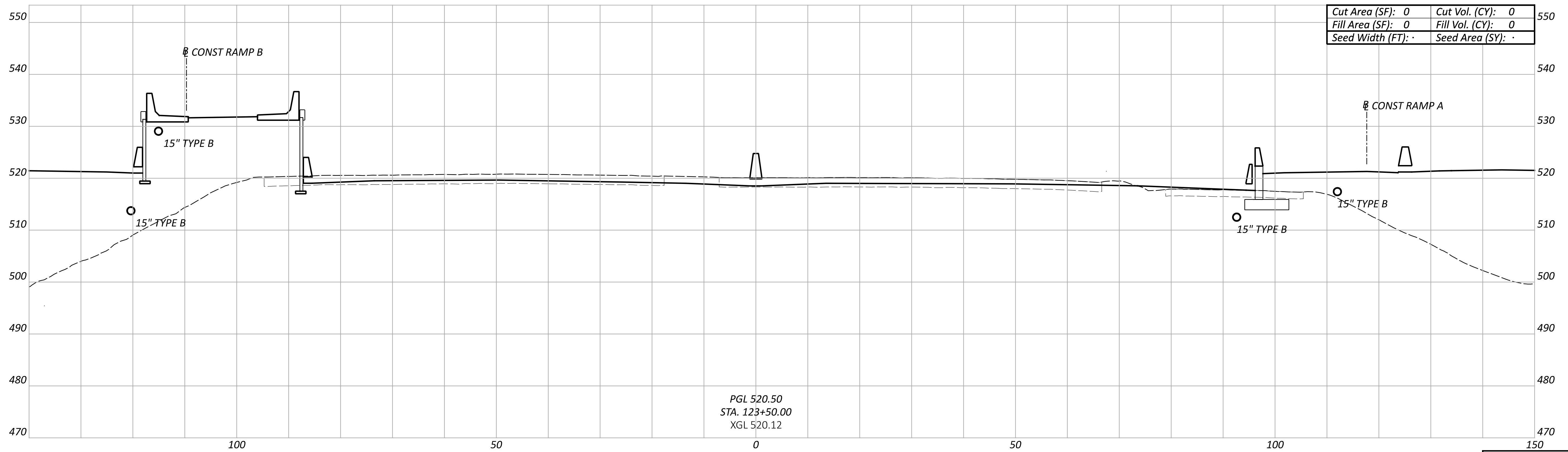
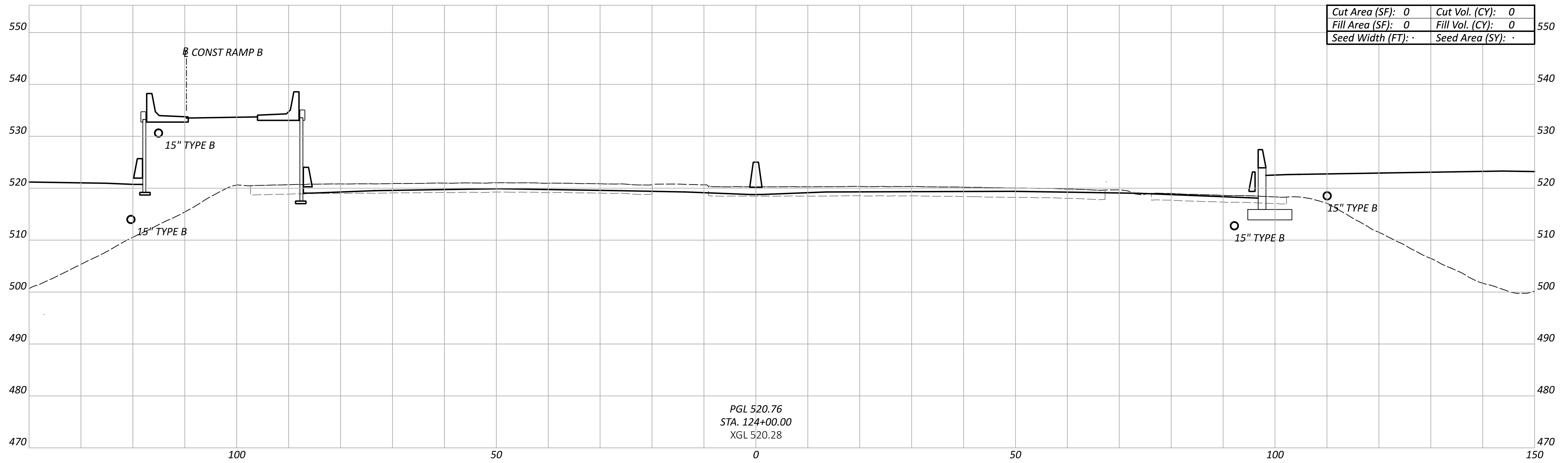


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Seeding	Cut	Fill	TOTAL
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CROSS SECTIONS - IR 75
STA 122+50.00 TO STA 123+00.00



CROSS SECTIONS - IR 75
STA 123+50.00 TO STA 124+00.00

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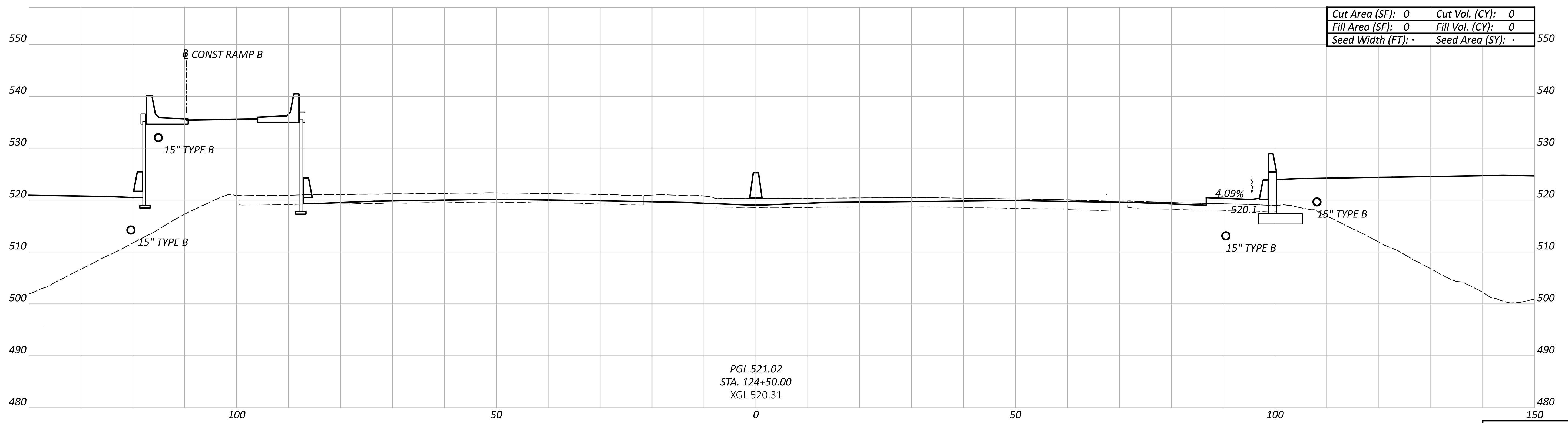
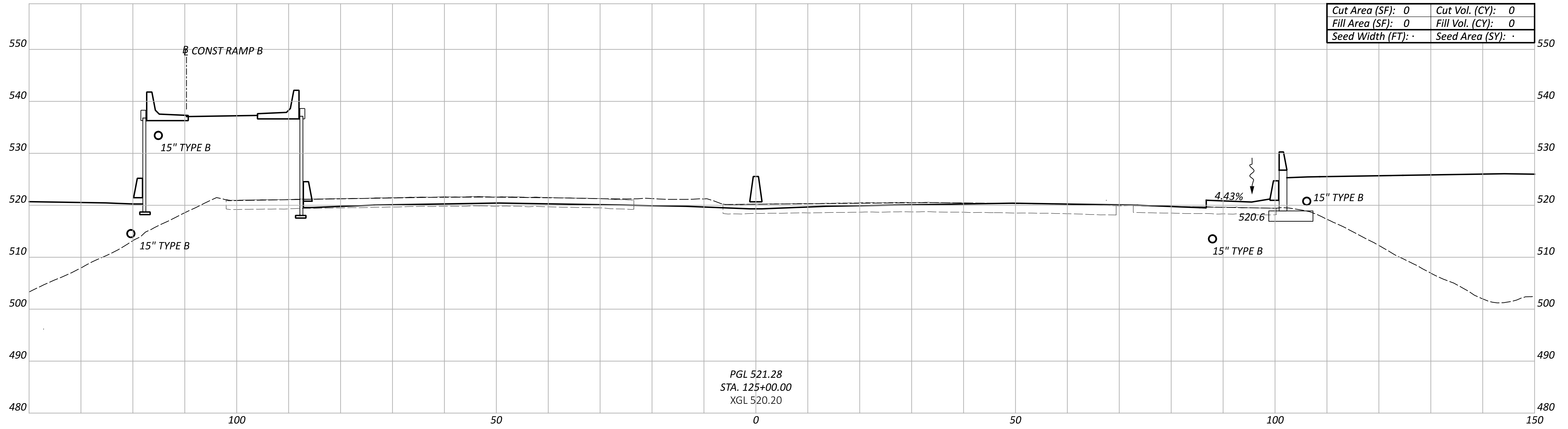
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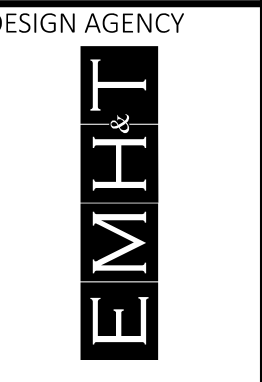
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SHEET TOTAL

P.78 463

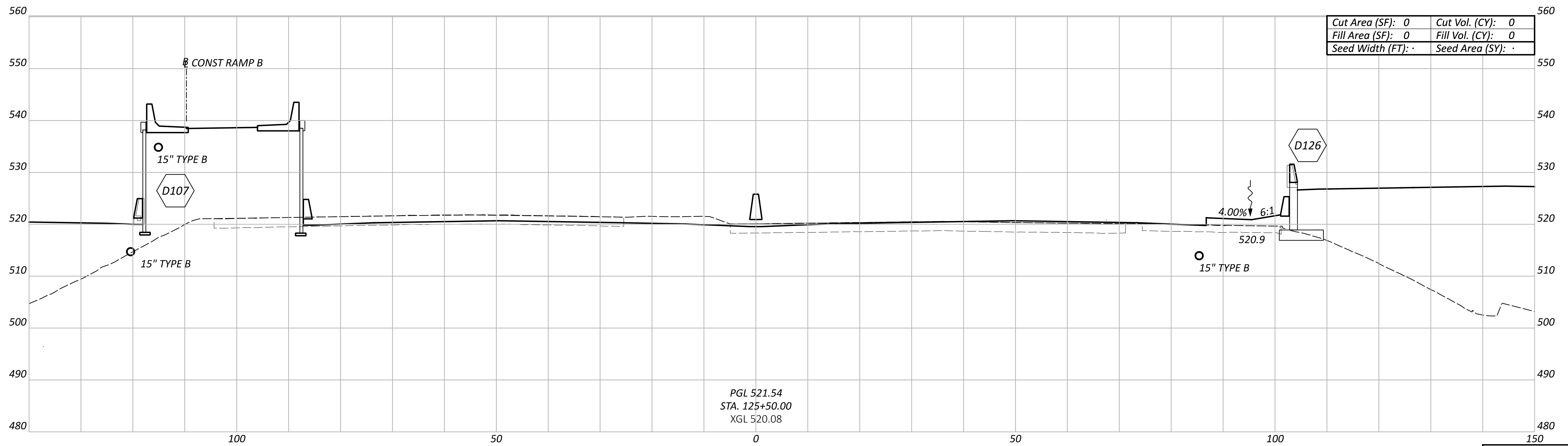


CROSS SECTIONS - IR 75
 STA 124+50.00 TO STA 125+00.00



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Seeding	Cut	Fill	TOTAL
.	.	.	P.79 463



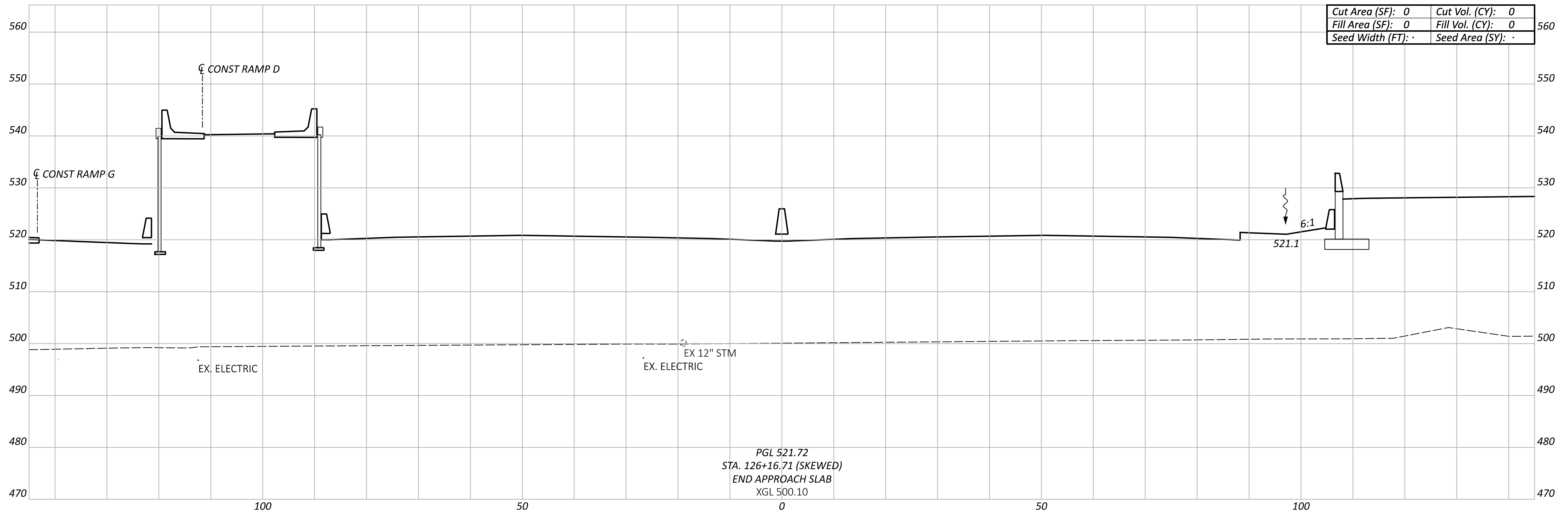
PGL 521.54
 STA. 125+50.00
 XGL 520.08

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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
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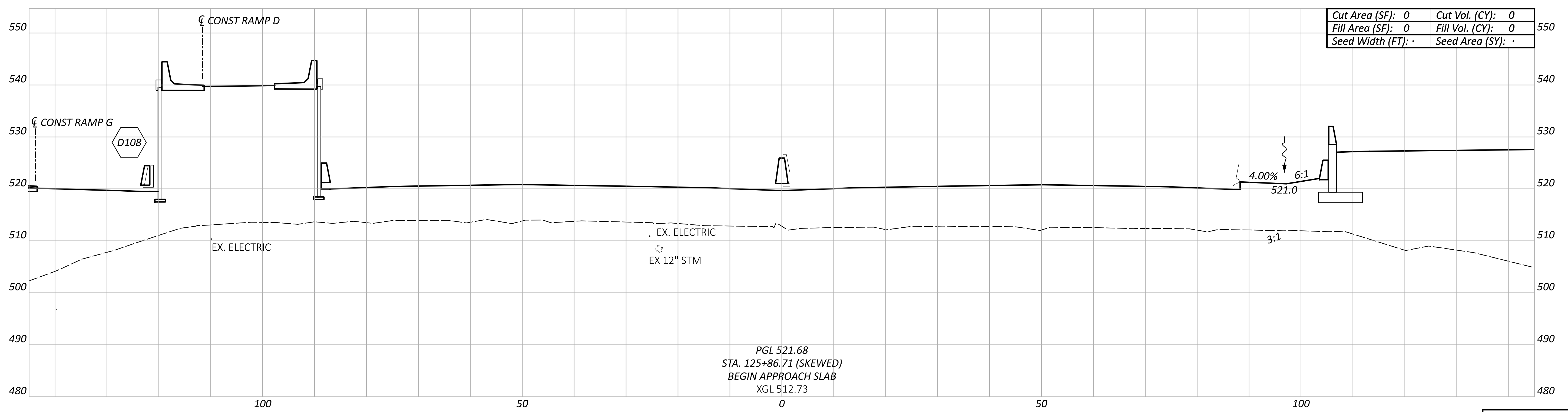
DESIGN AGENCY
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CROSS SECTIONS - IR 75
 STA 125+50.00



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

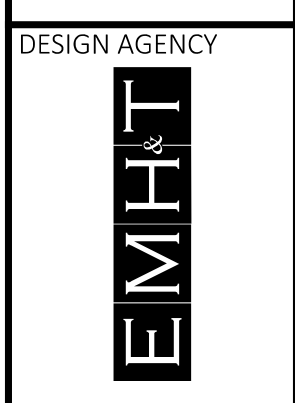
PGL 521.72
 STA. 126+16.71 (SKEWED)
 END APPROACH SLAB
 XGL 500.10



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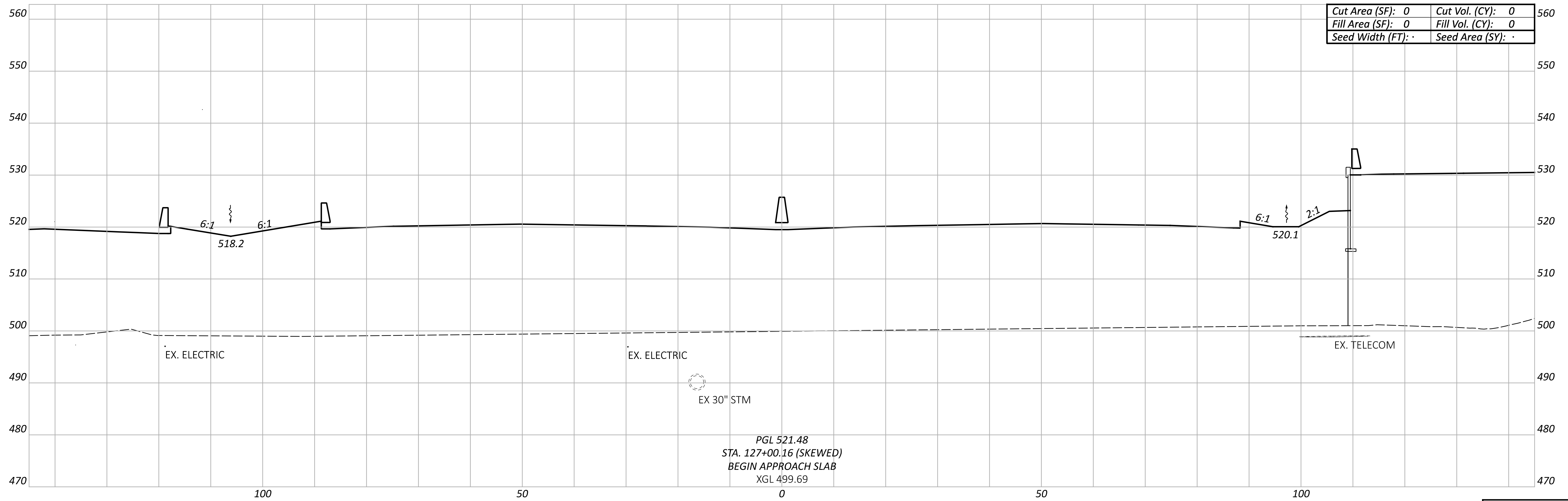
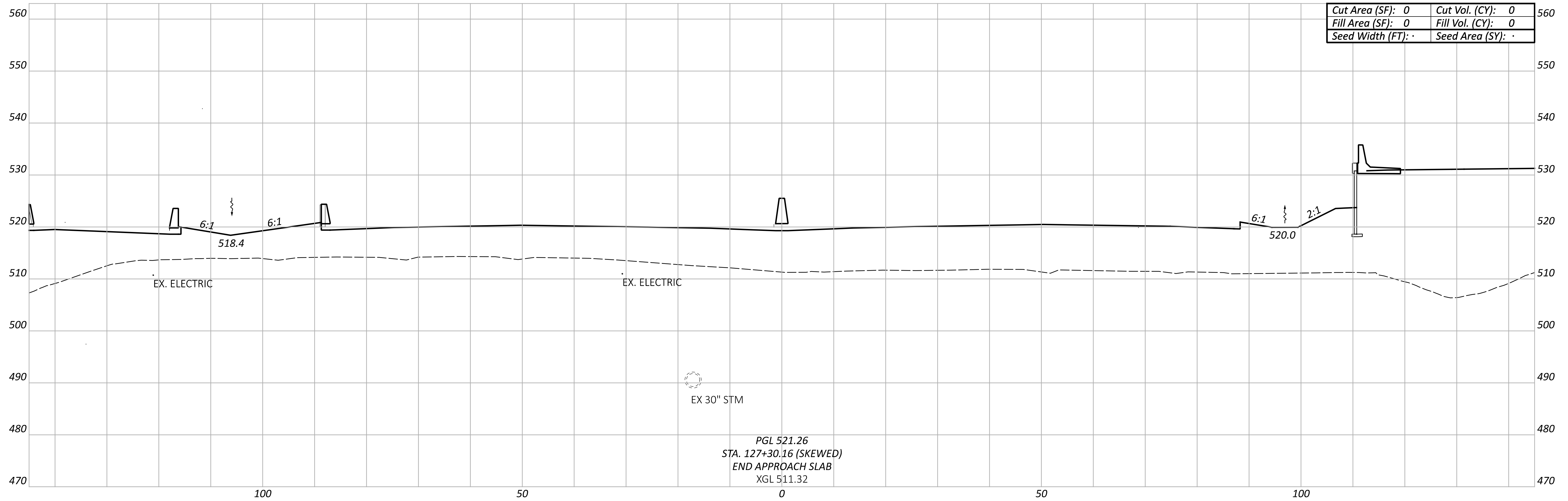
PGL 521.68
 STA. 125+86.71 (SKEWED)
 BEGIN APPROACH SLAB
 XGL 512.73

CROSS SECTIONS - IR 75
 STA 125+86.71 TO STA 126+16.71



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CROSS SECTIONS - IR 75
 STA 127+00.16 TO STA 127+30.16

DESIGN AGENCY



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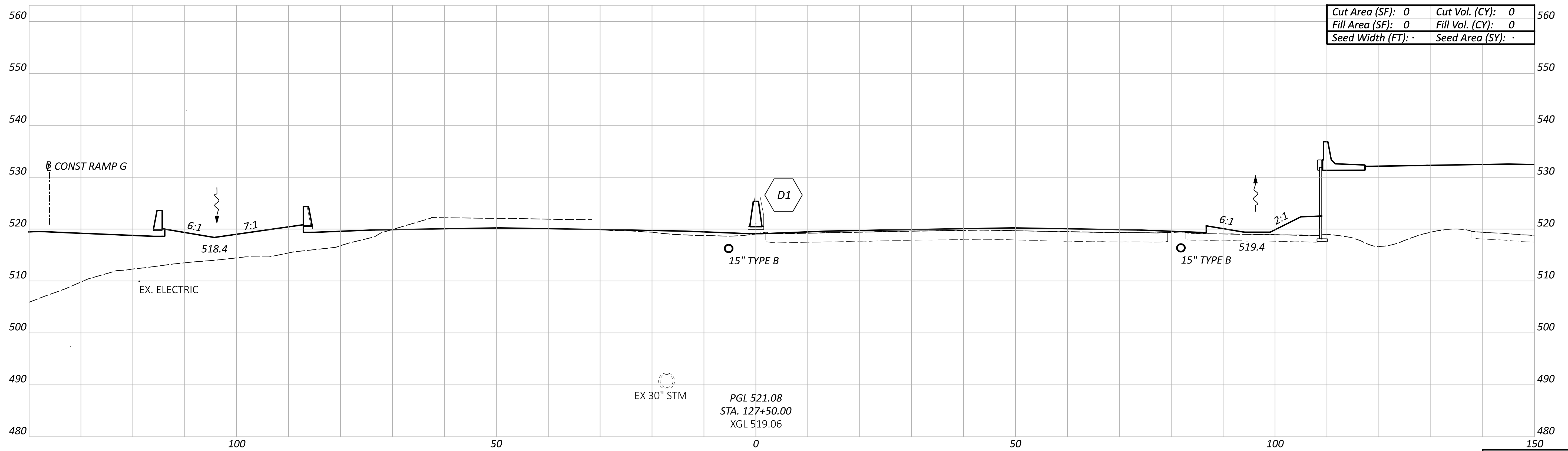
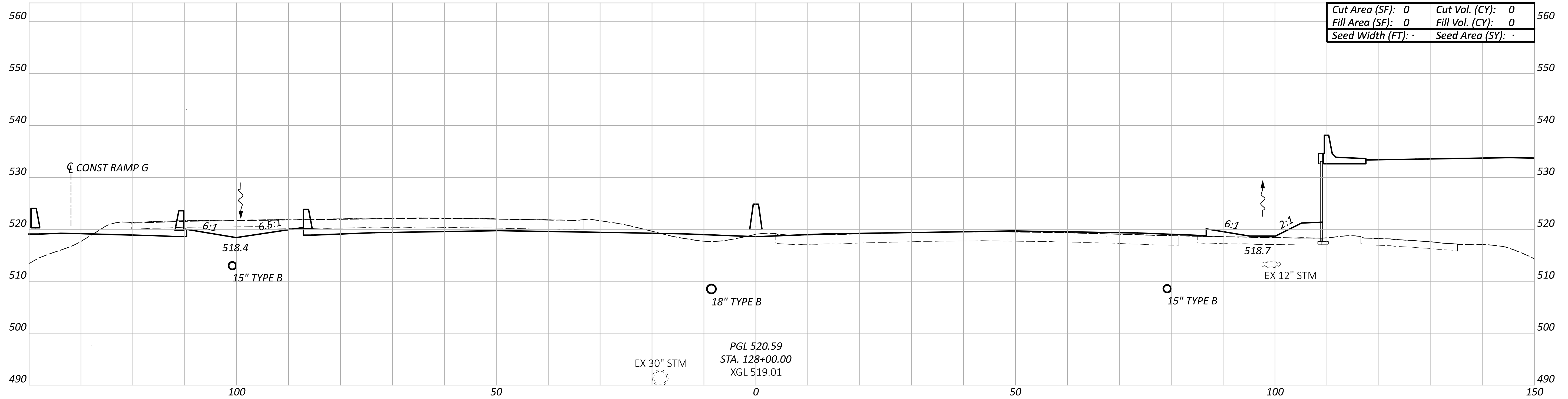
REVIEWER

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CROSS SECTIONS - IR 75
STA 127+50.00 TO STA 128+00.00

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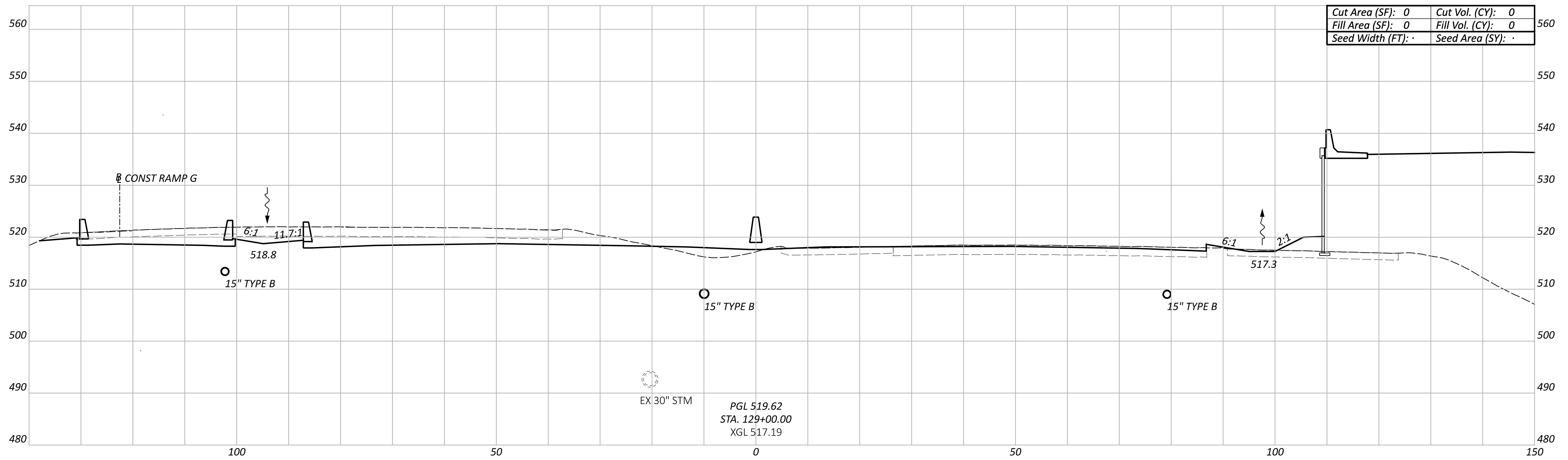
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Sheet Totals

Seeding	Cut	Fill	TOTAL
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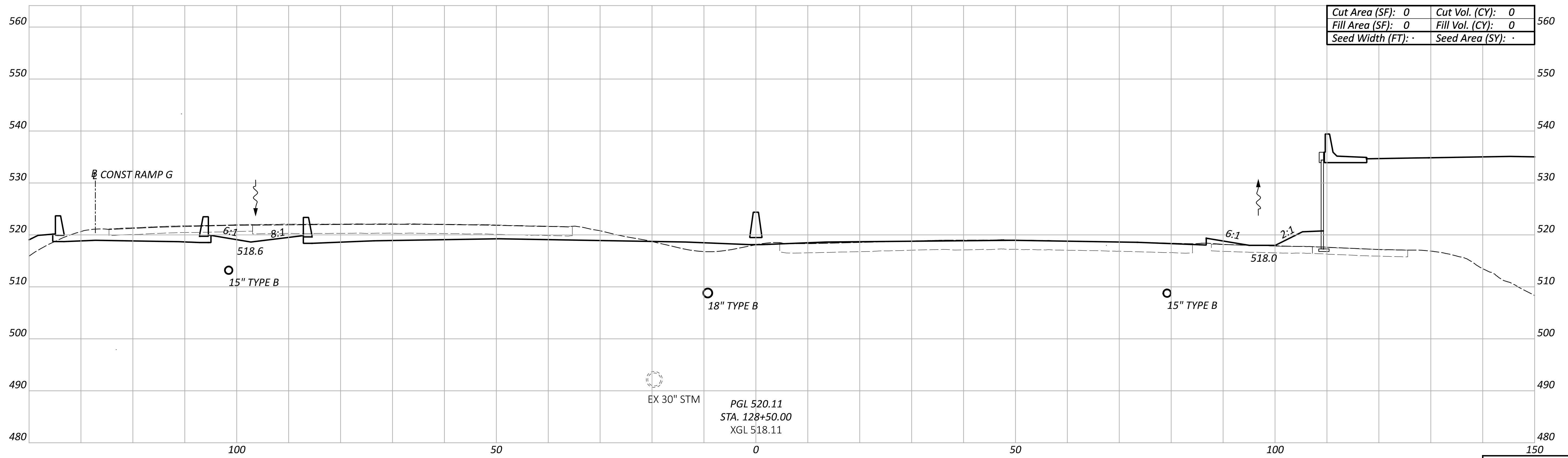
SHEET TOTAL

P.83 463



PGL 519.62
 STA. 129+00.00
 XGL 517.19

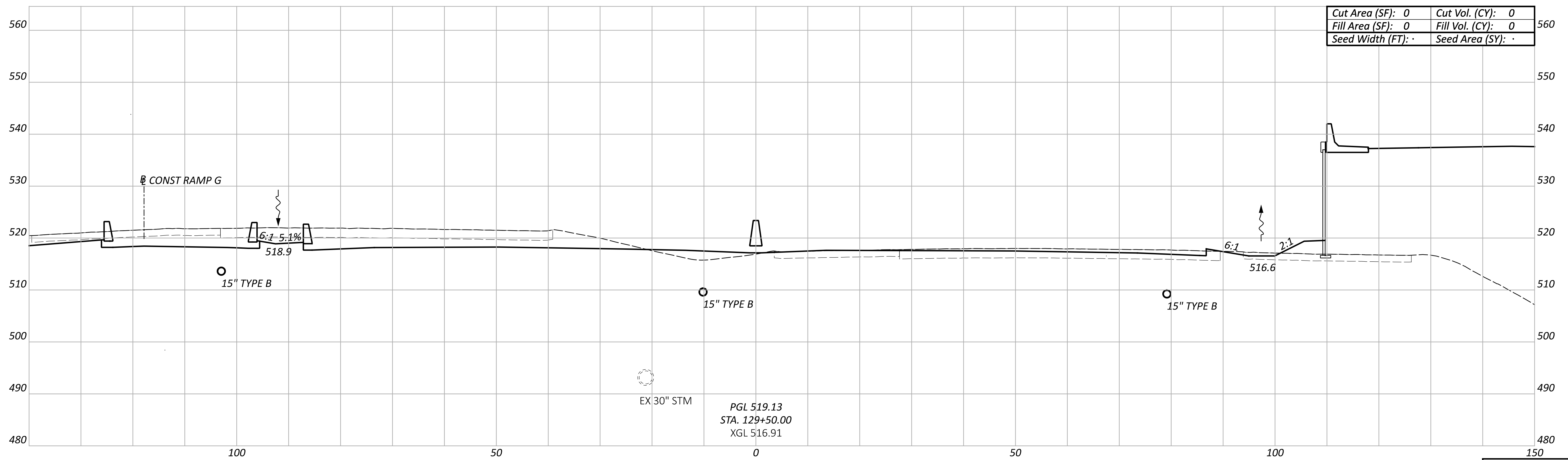
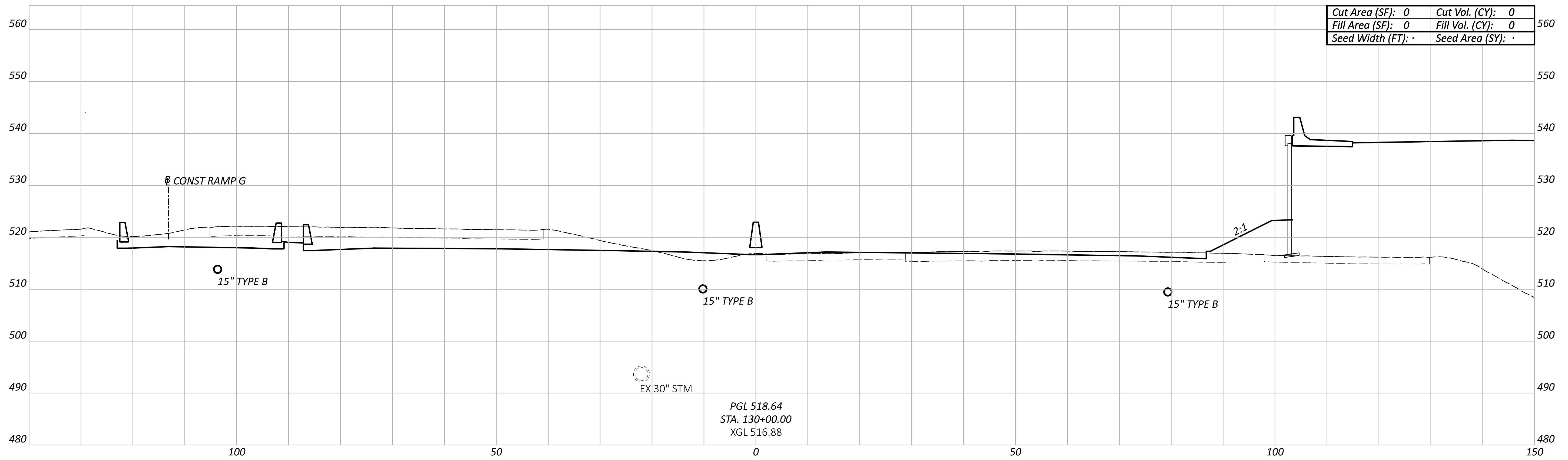
CROSS SECTIONS - IR 75
 STA 128+50.00 TO STA 129+00.00



PGL 520.11
 STA. 128+50.00
 XGL 518.11

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Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.84 463

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Seeding	Cut	Fill	TOTAL
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CROSS SECTIONS - IR 75
 STA 129+50.00 TO STA 130+00.00

DESIGN AGENCY



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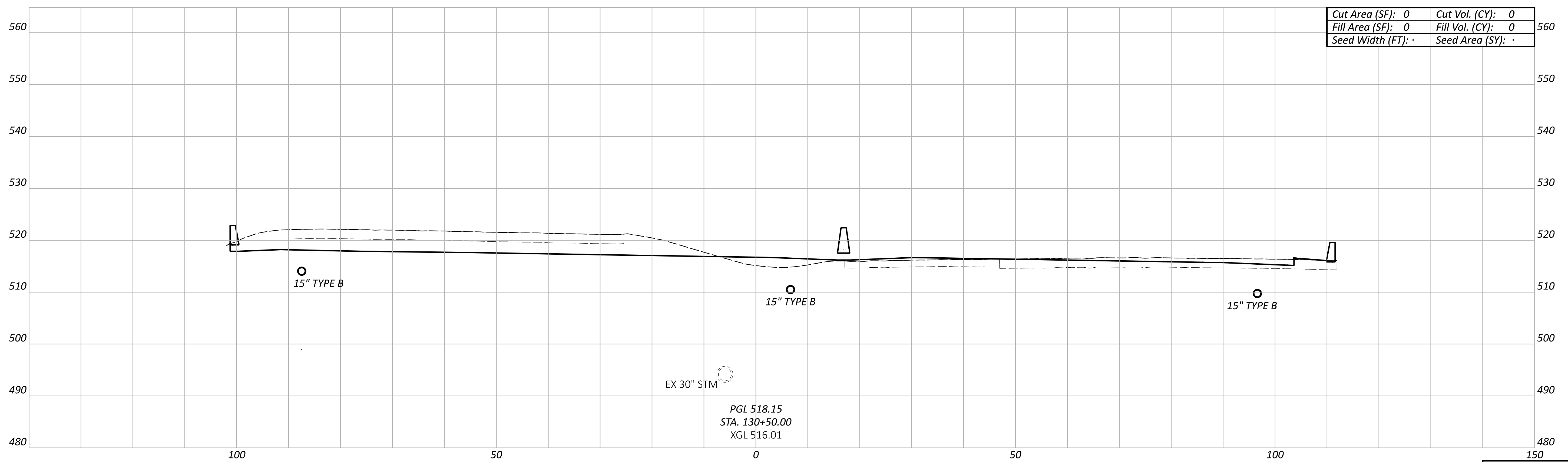
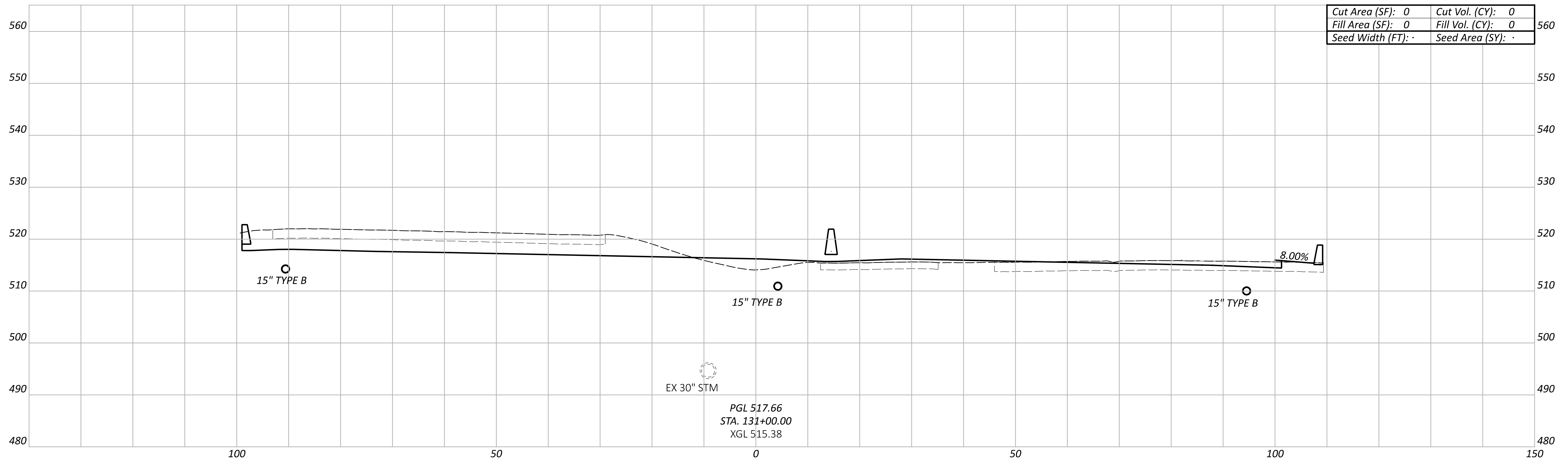
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Seeding	Cut	Fill	SHEET TOTAL
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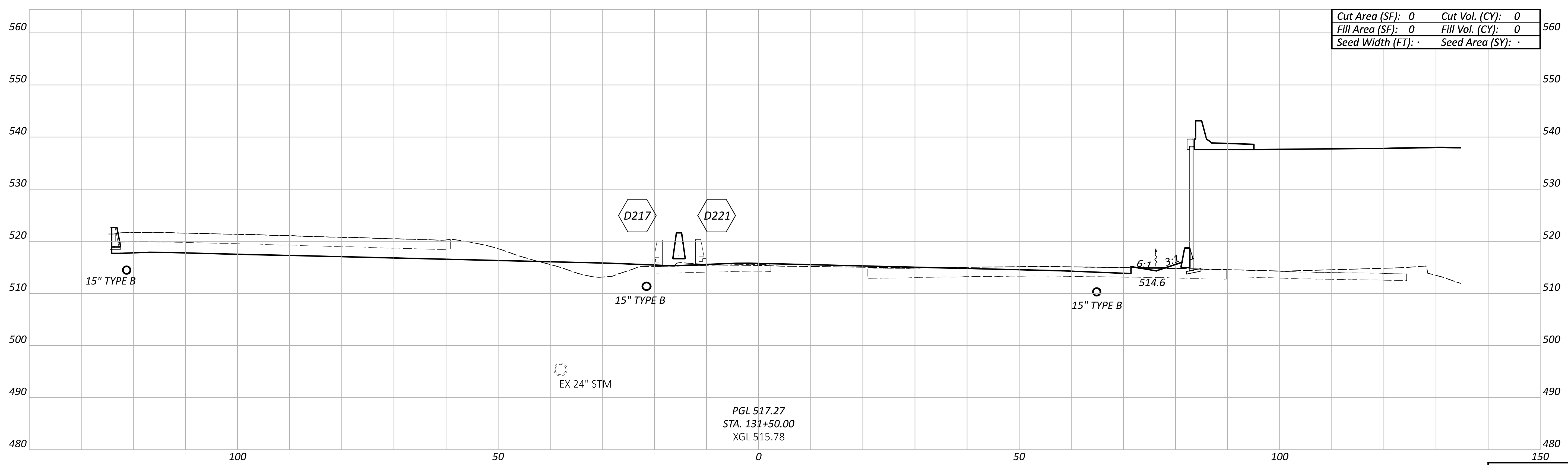
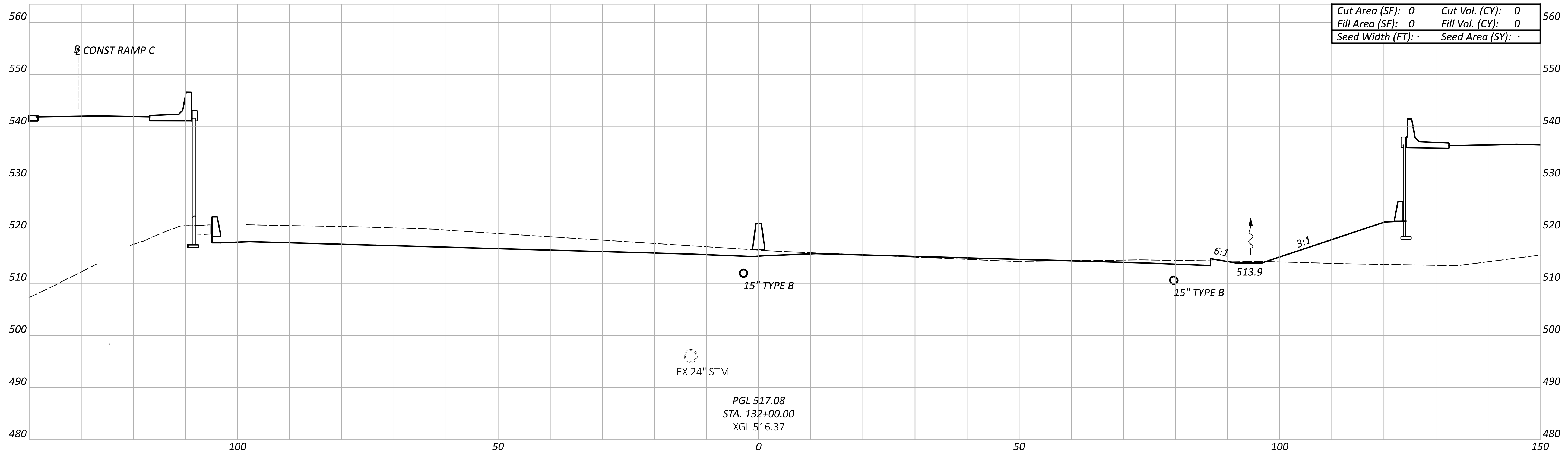
CROSS SECTIONS - IR 75
STA 130+50.00 TO STA 131+00.00

DESIGN AGENCY
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DESIGNER
SJB


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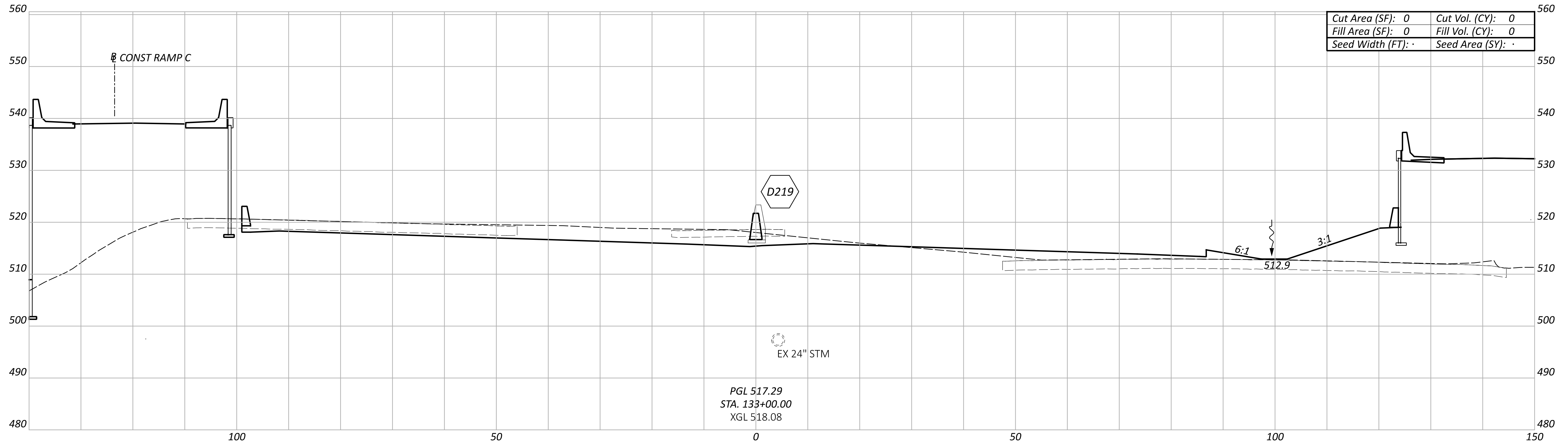
PROJECT ID
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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
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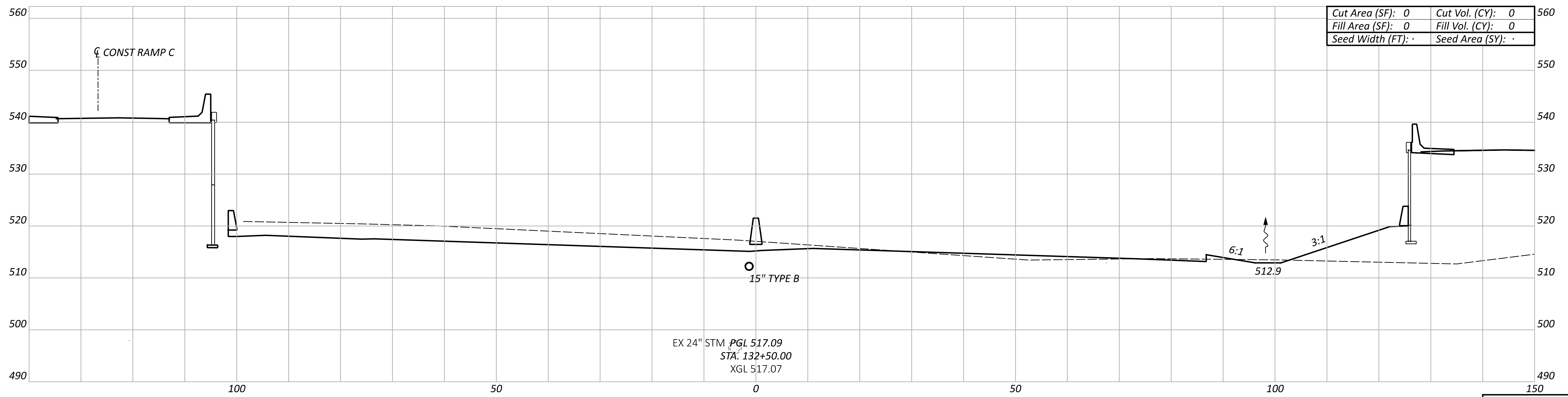
CROSS SECTIONS - IR 75
 STA 131+50.00 TO STA 132+00.00

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Cut Area (SF):	0	Cut Vol. (CY):	0
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Seed Width (FT):	.	Seed Area (SY):	.

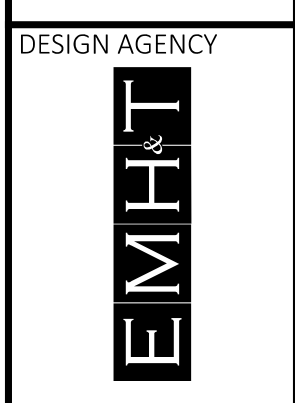
PGL 517.29
 STA. 133+00.00
 XGL 518.08



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Fill Area (SF):	0	Fill Vol. (CY):	0
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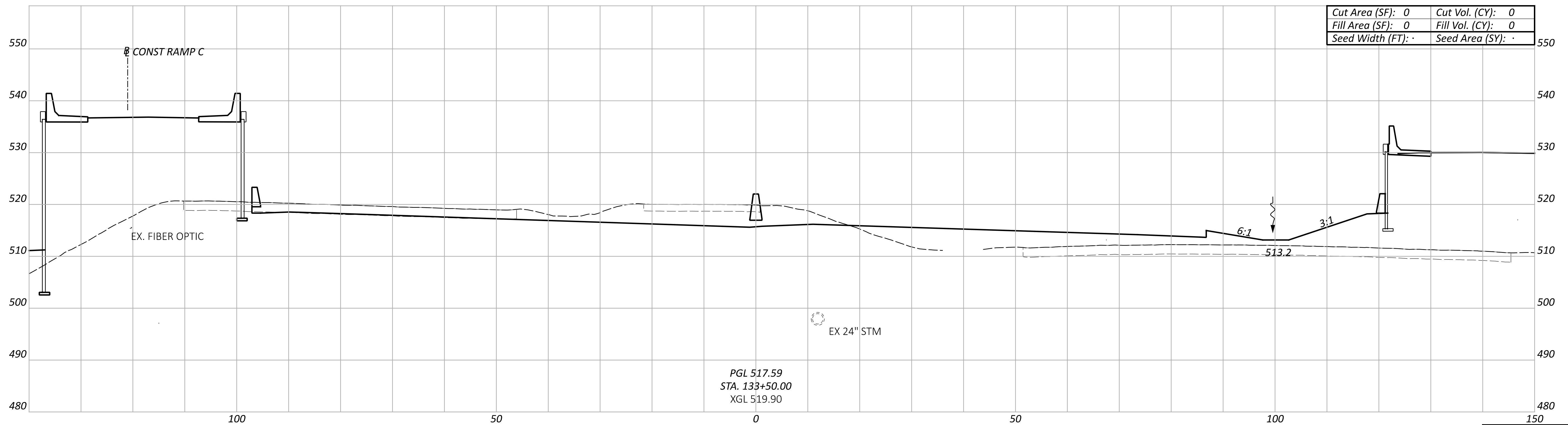
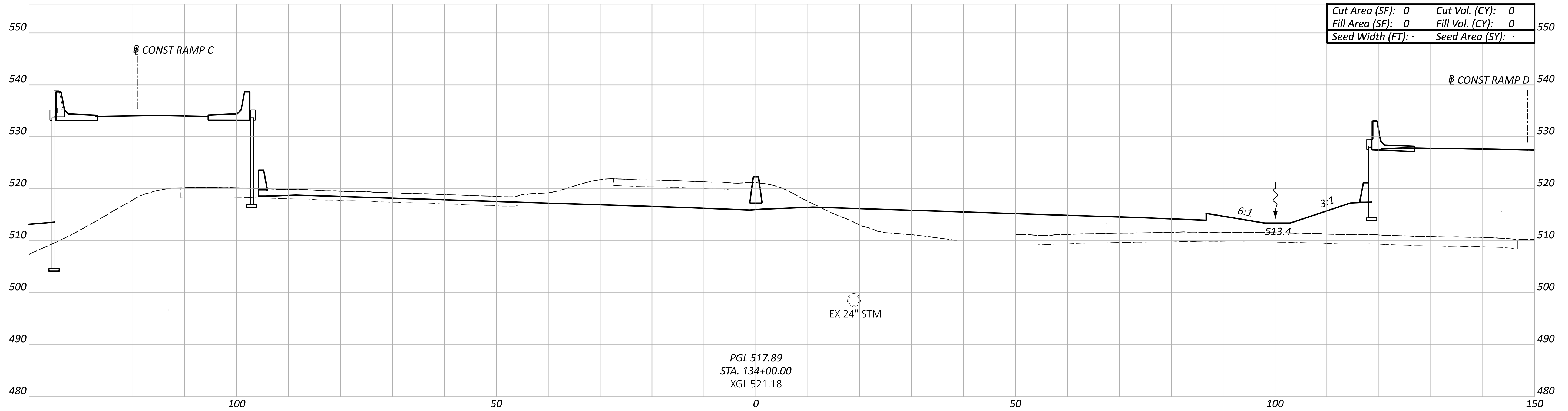
EX 24" STM PGL 517.09
 STA. 132+50.00
 XGL 517.07

CROSS SECTIONS - IR 75
 STA 132+50.00 TO STA 133+00.00



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CROSS SECTIONS - IR 75
STA 133+50.00 TO STA 134+00.00

DESIGN AGENCY



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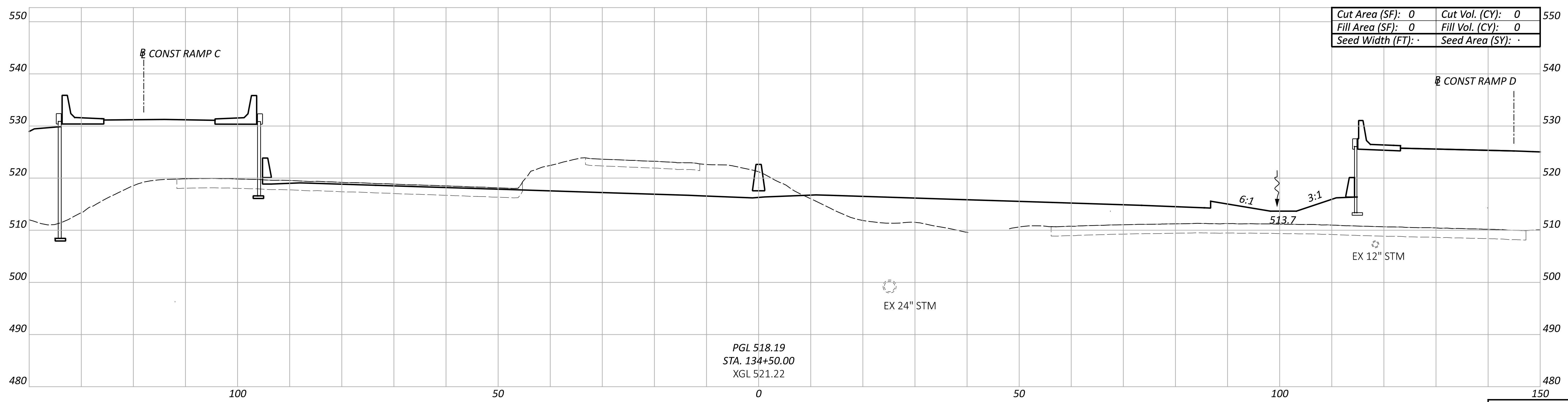
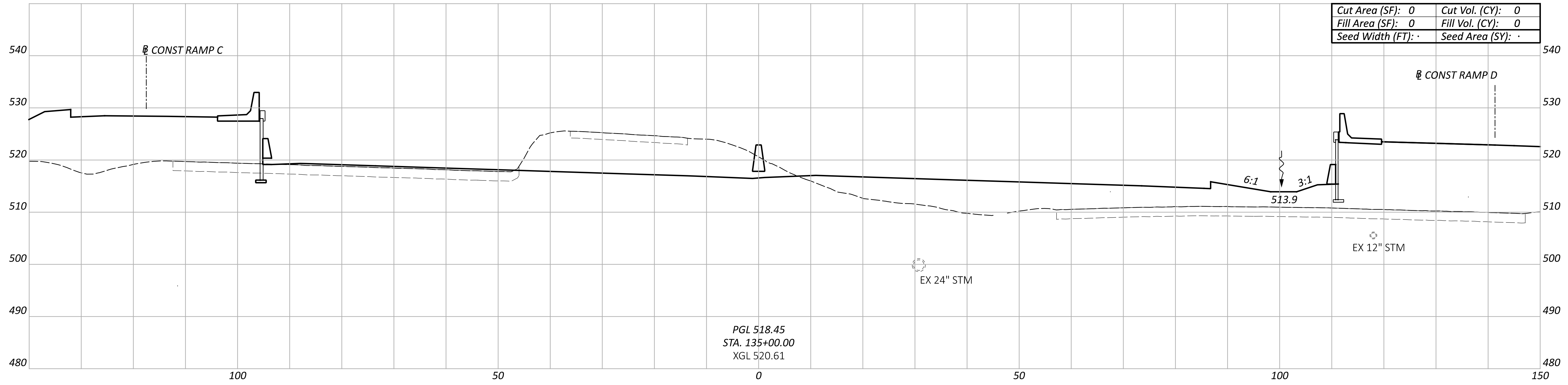
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Seeding	Cut	Fill	SHEET	TOTAL
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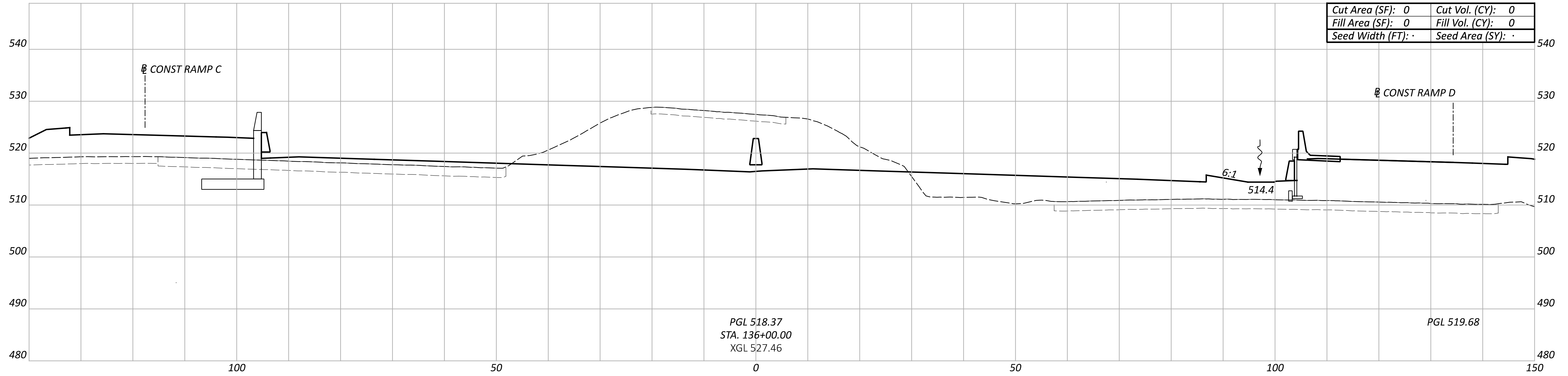
CROSS SECTIONS - IR 75
 STA 134+50.00 TO STA 135+00.00

DESIGN AGENCY

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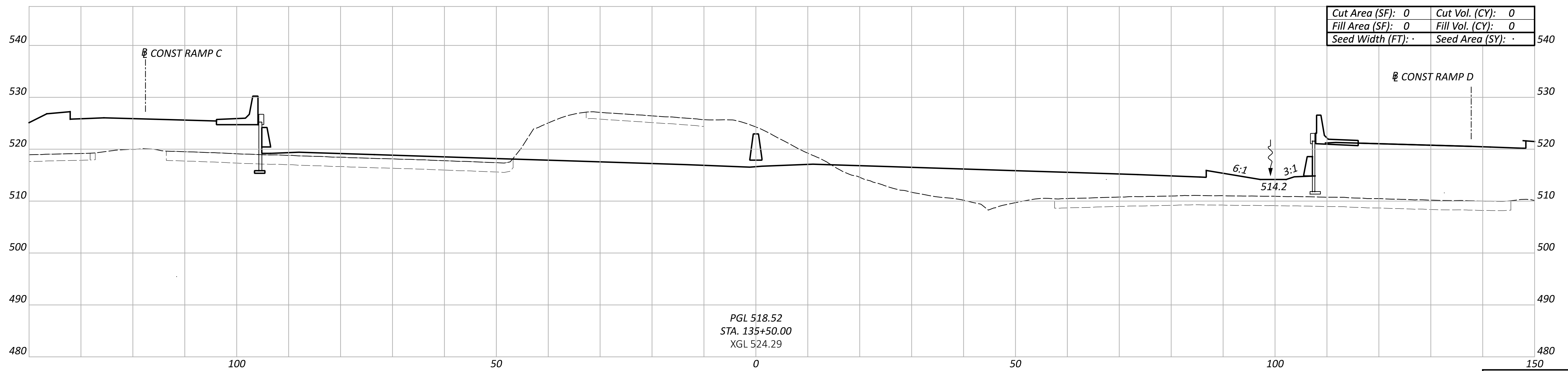
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PGL 518.37
 STA. 136+00.00
 XGL 527.46

PGL 519.68



PGL 518.52
 STA. 135+50.00
 XGL 524.29

CROSS SECTIONS - IR 75
 STA 135+50.00 TO STA 136+00.00

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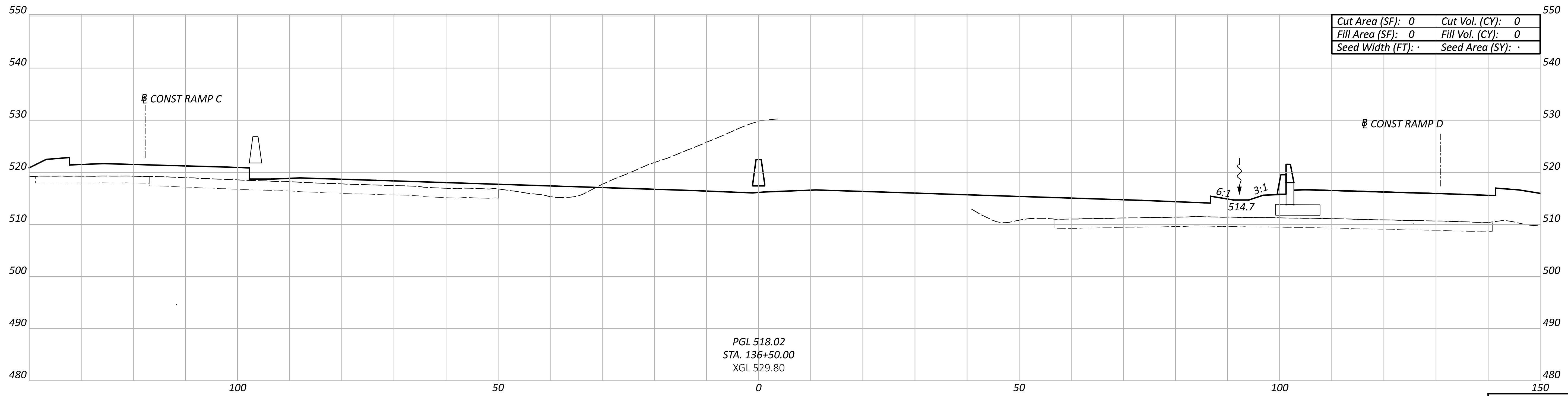
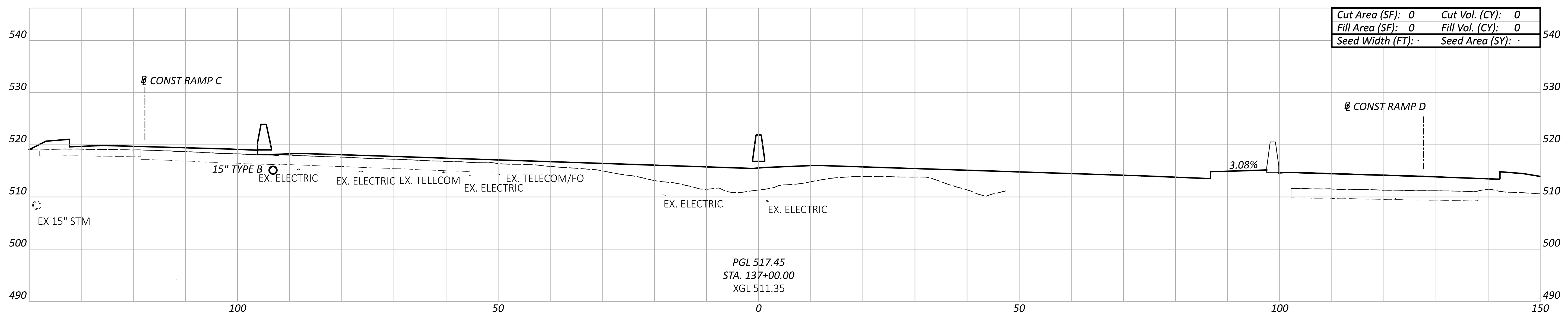
PROJECT ID

114161


Sheet Totals

Seeding	Cut	Fill	TOTAL
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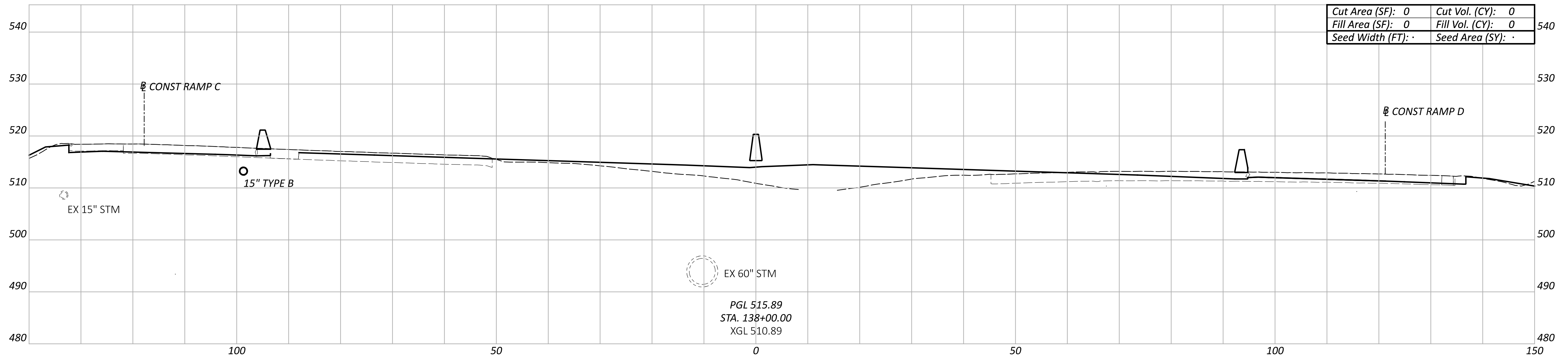
463



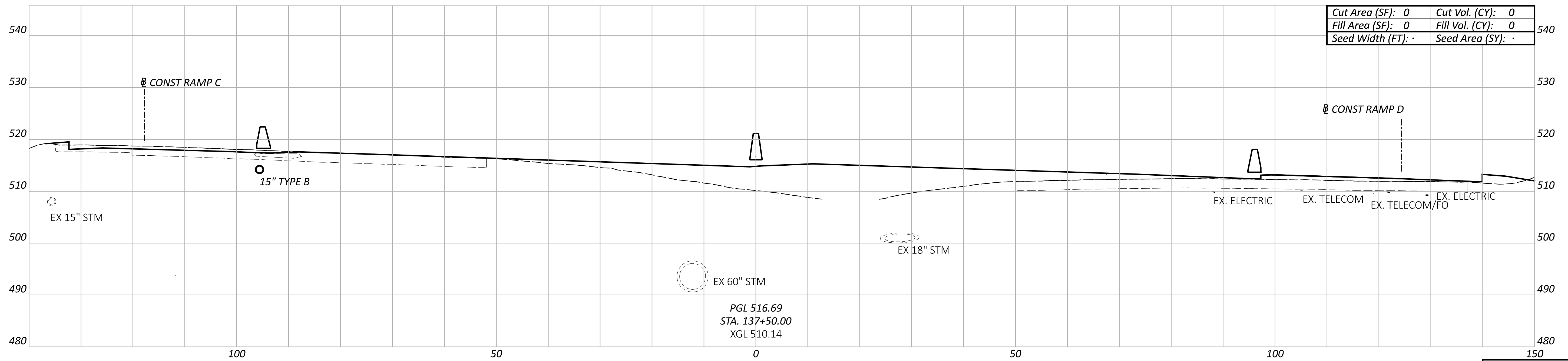
Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
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CROSS SECTIONS - IR 75
 STA 136+50.00 TO STA 137+00.00.



PGL 515.89
 STA. 138+00.00
 XGL 510.89



PGL 516.69
 STA. 137+50.00
 XGL 510.14

CROSS SECTIONS - IR 75
 STA 137+50.00 TO STA 138+00.00.

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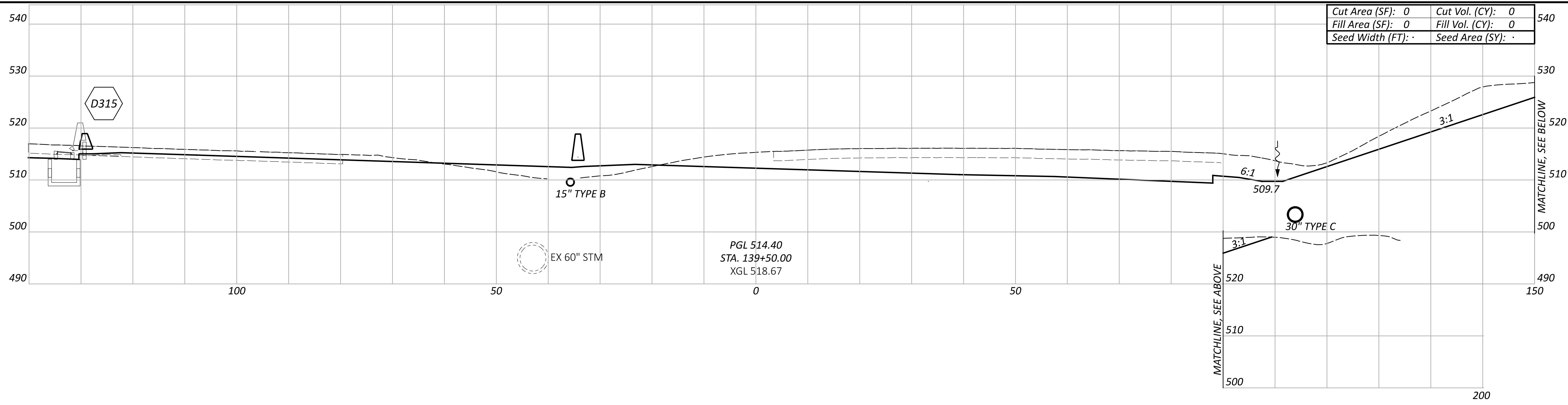
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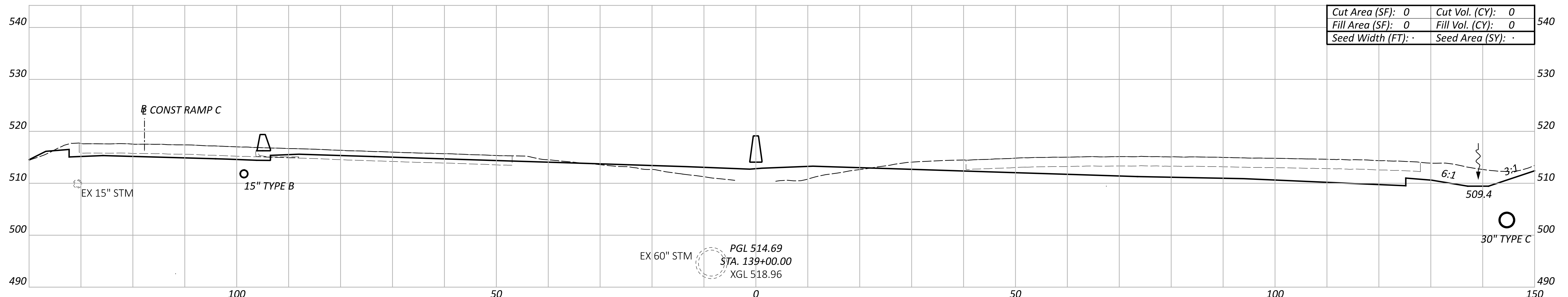
Seeding	Cut	Fill
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SHEET TOTAL

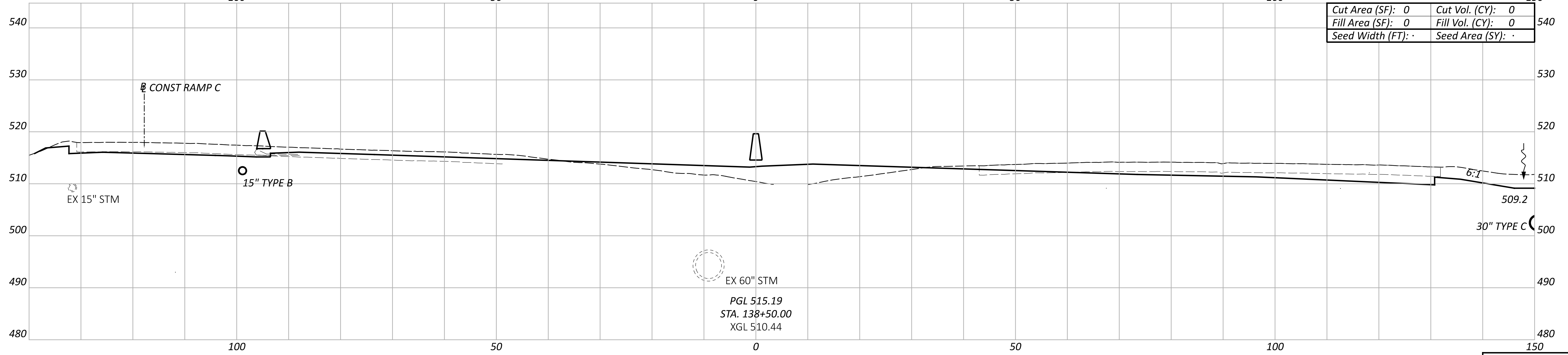
P.93 463



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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

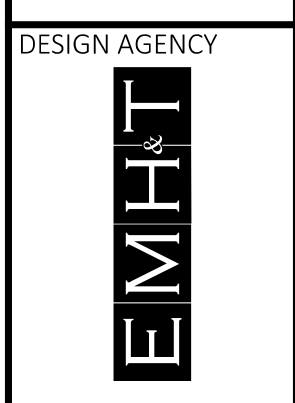


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Seed Width (FT):	.	Seed Area (SY):	.



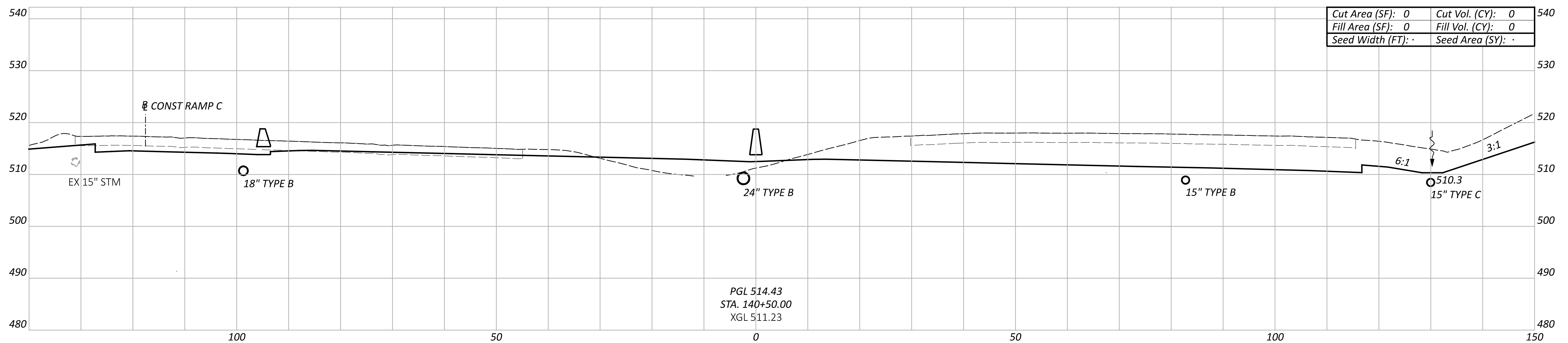
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - IR 75
 STA 138+50.00 TO STA 139+50.00



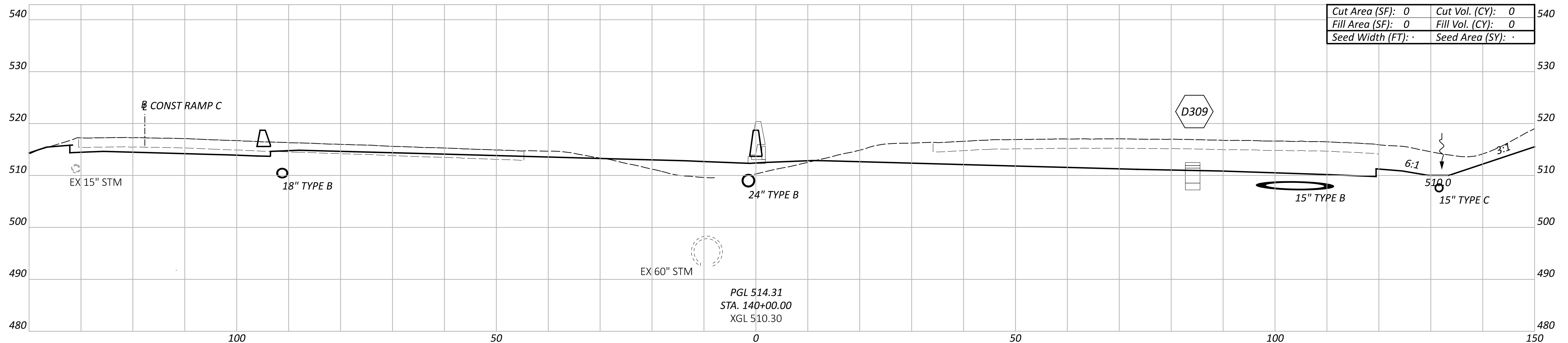
DESIGN AGENCY
 DESIGNER: SJB
 REVIEWER: MJR 06/21/24
 PROJECT ID: 114161

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
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Cut Area (SF): 0	Cut Vol. (CY): 0
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Seed Width (FT): .	Seed Area (SY): .

PGL 514.43
 STA. 140+50.00
 XGL 511.23




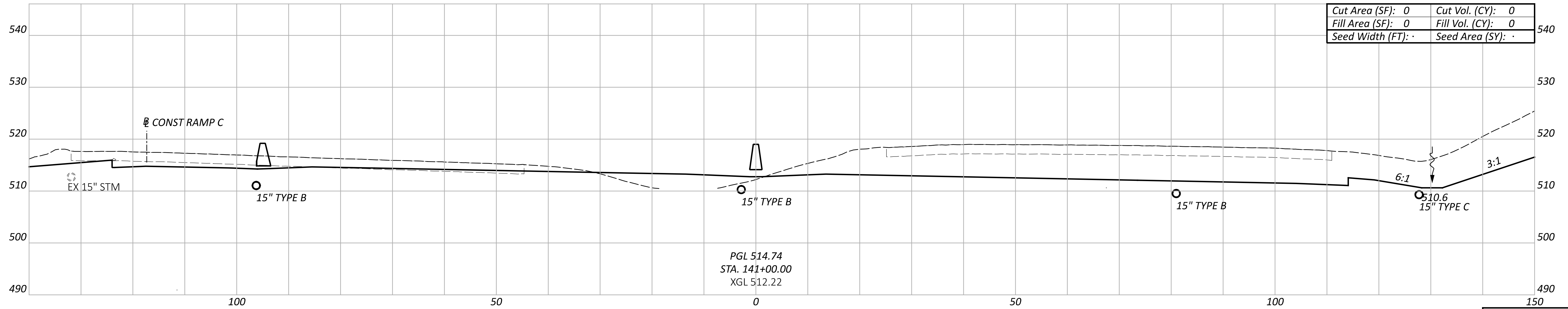
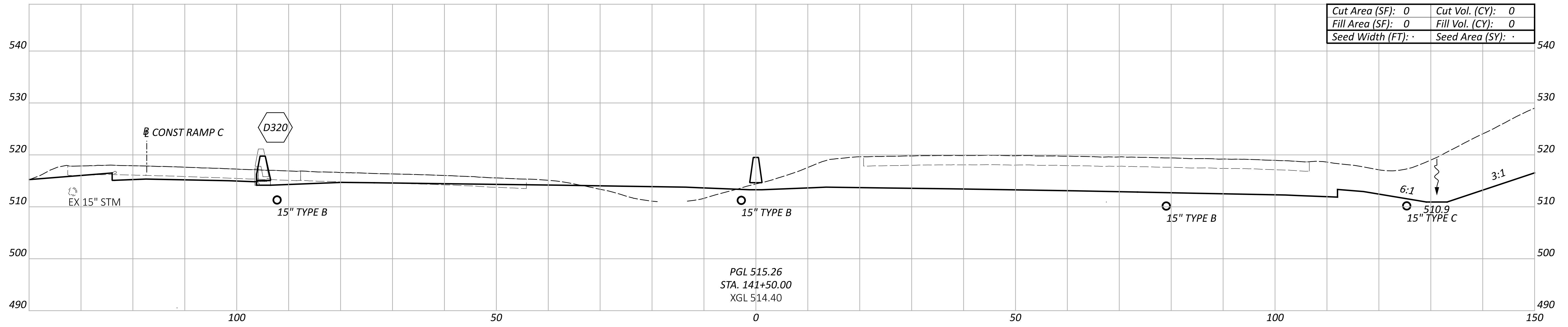
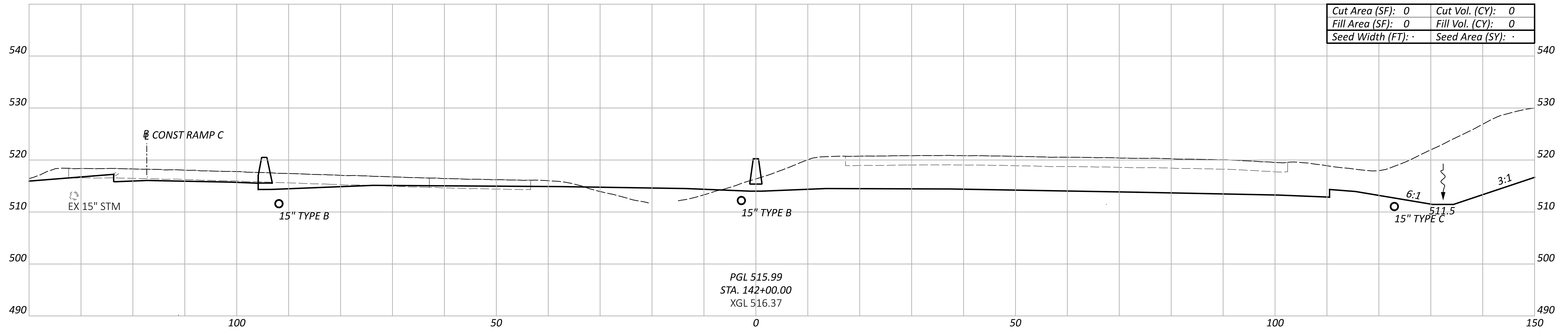
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PGL 514.31
 STA. 140+00.00
 XGL 510.30

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CROSS SECTIONS - IR 75
 STA 140+00.00 TO STA 140+50.00

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CROSS SECTIONS - IR 75
 STA 141+00.00 TO STA 142+00.00

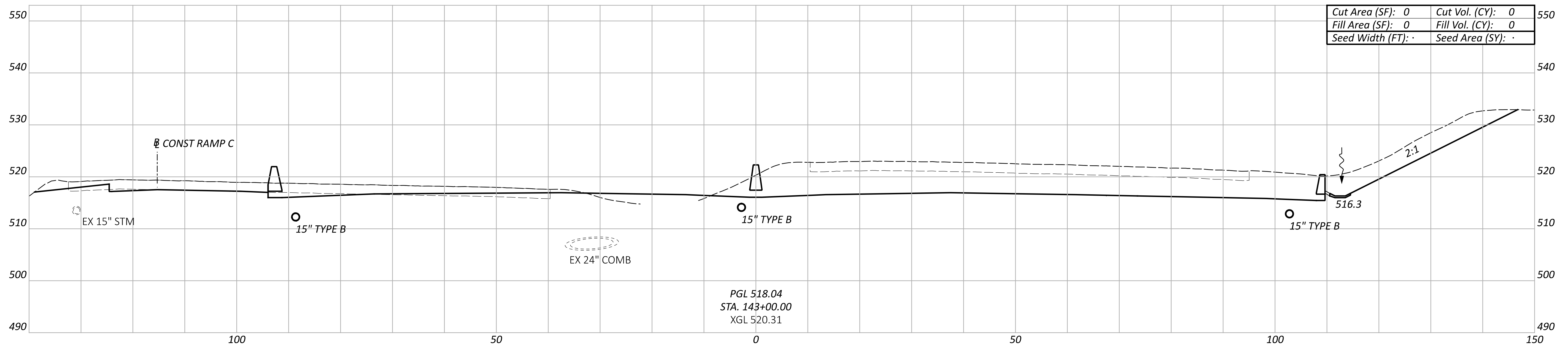
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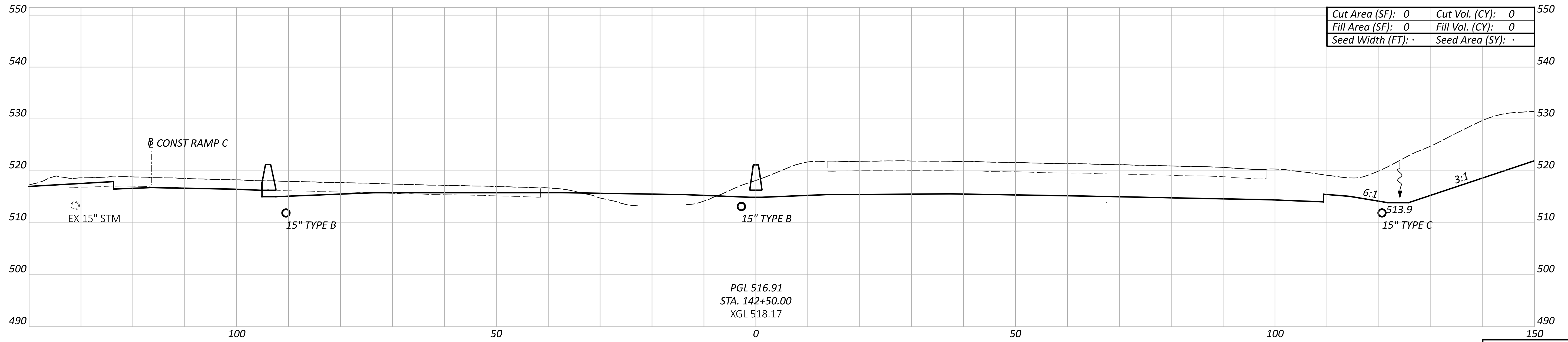
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Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

PGL 518.04
 STA. 143+00.00
 XGL 520.31




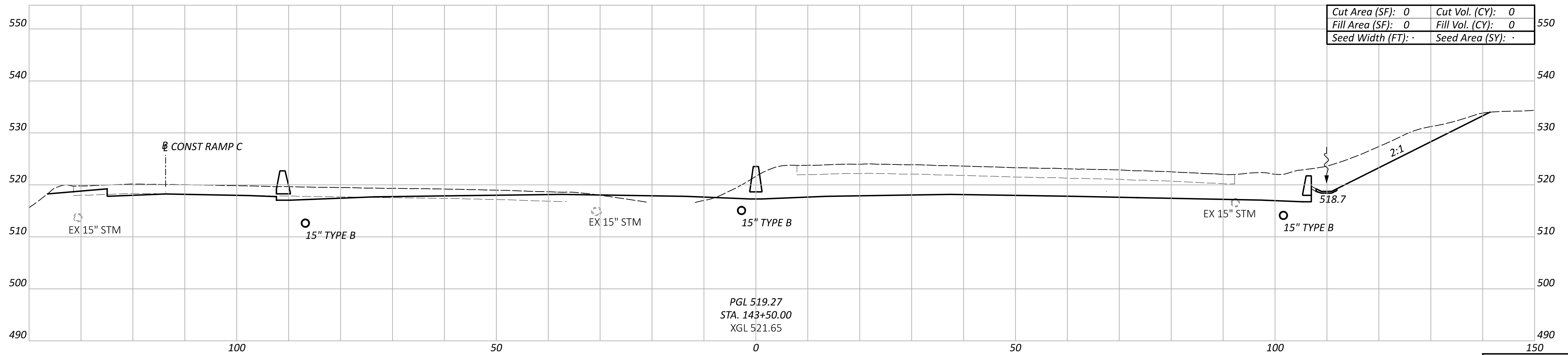
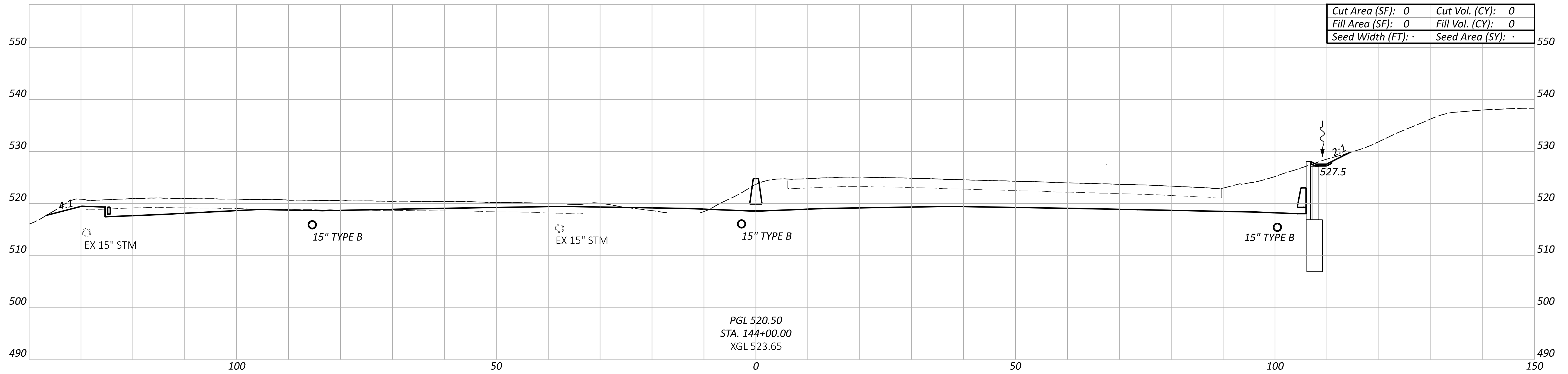
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

PGL 516.91
 STA. 142+50.00
 XGL 518.17

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.97 463

CROSS SECTIONS - IR 75
 STA 142+50.00 TO STA 143+00.00

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 P.97 463



Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.98 463

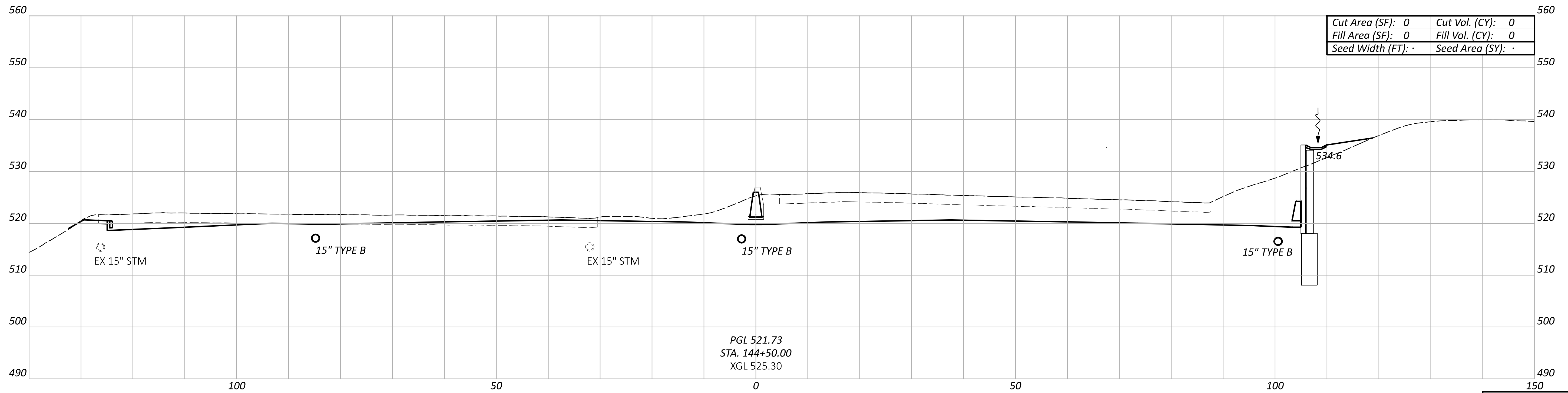
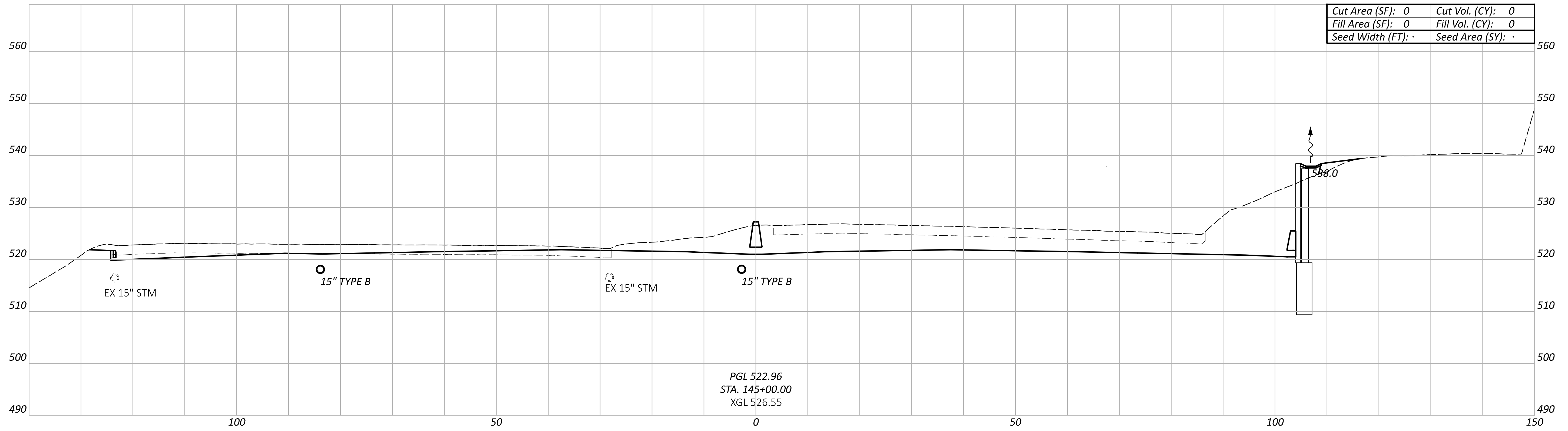
CROSS SECTIONS - IR 75
 STA 143+50.00 TO STA 144+00.00

DESIGN AGENCY



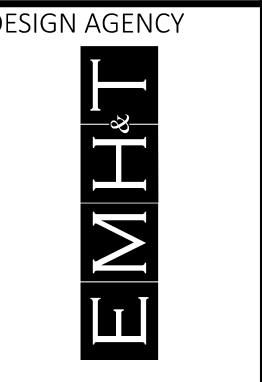
DESIGNER
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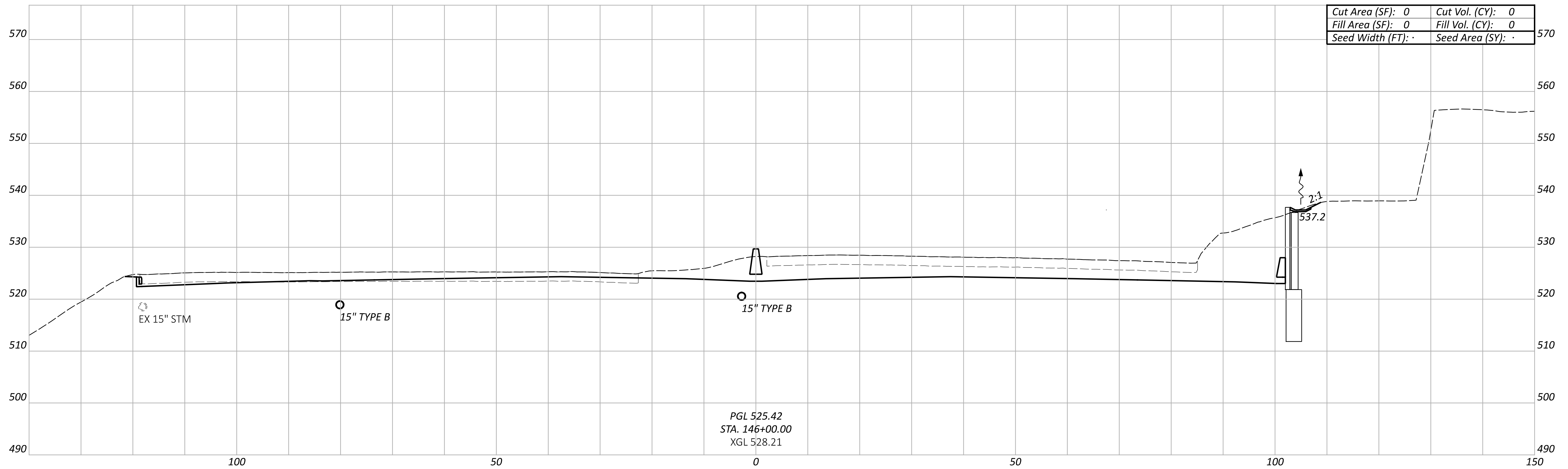
Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.99 463

CROSS SECTIONS - IR 75
 STA 144+50.00 TO STA 145+00.00



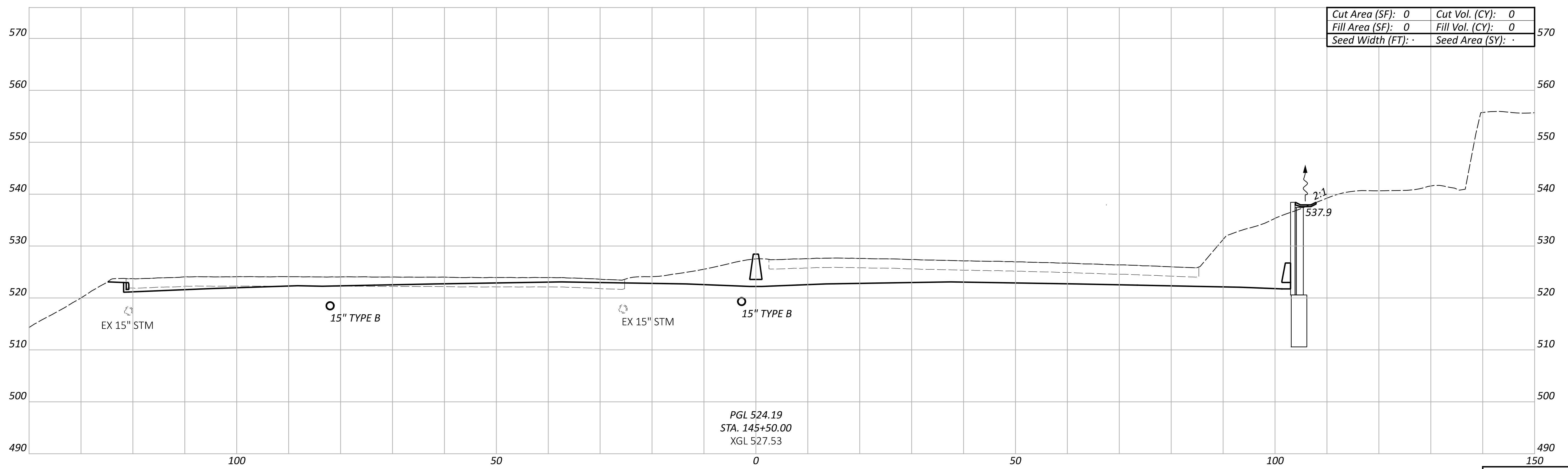
DESIGN AGENCY
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Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

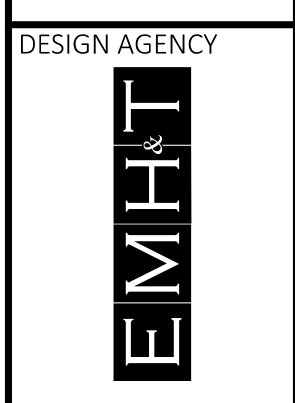
PGL 525.42
 STA. 146+00.00
 XGL 528.21



Cut Area (SF):	0	Cut Vol. (CY):	0
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Seed Width (FT):	.	Seed Area (SY):	.

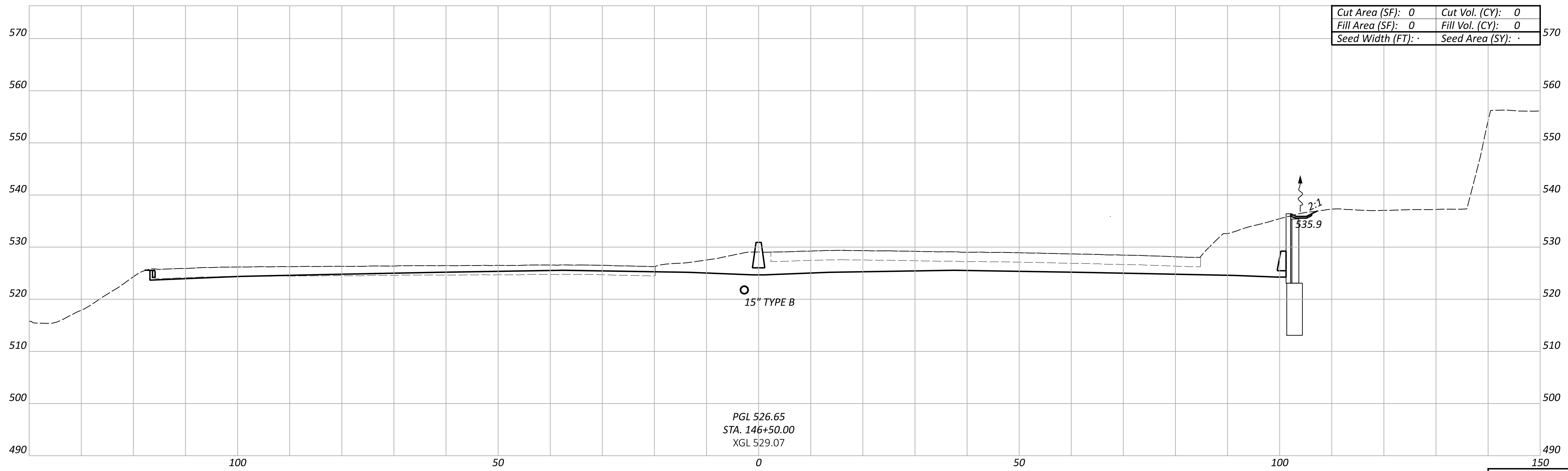
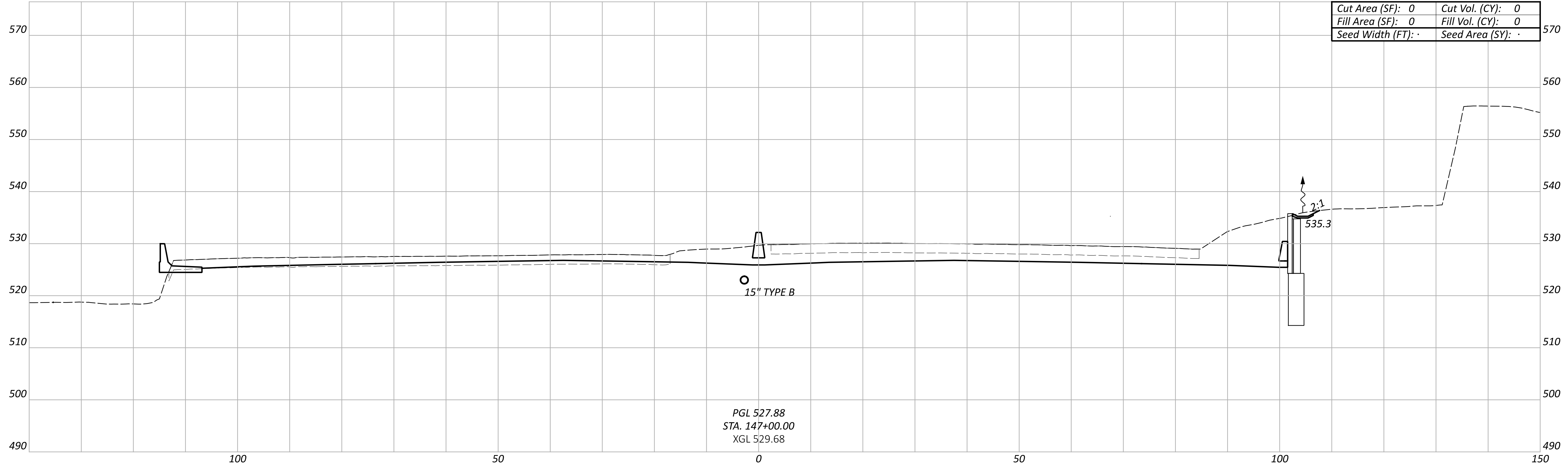
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 STA. 145+50.00
 XGL 527.53

CROSS SECTIONS - IR 75
 STA 145+50.00 TO STA 146+00.00

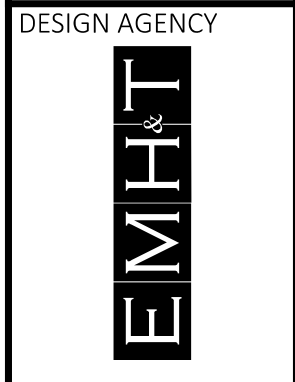


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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.100 463

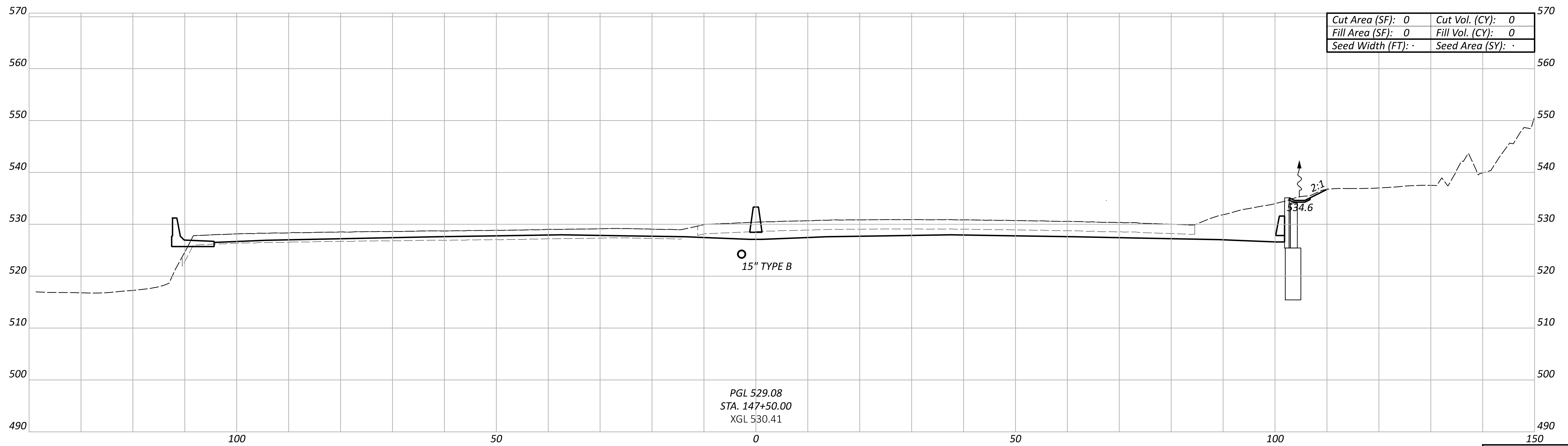
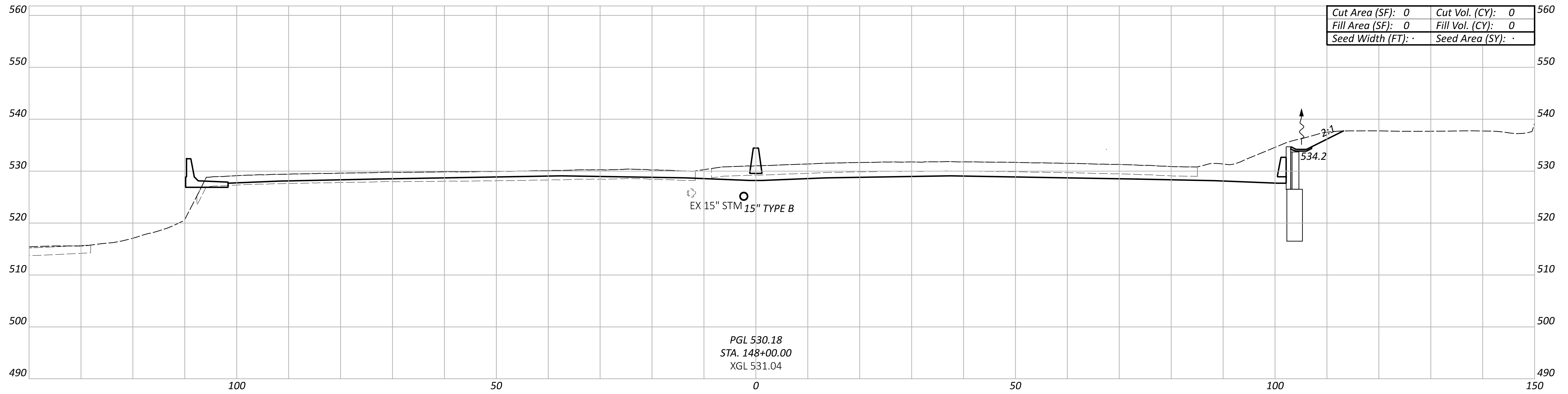


CROSS SECTIONS - IR 75
STA 146+50.00 TO STA 147+00.00



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Seeding	Cut	Fill	SHEET	TOTAL
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Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.102	463

CROSS SECTIONS - IR 75
STA 147+50.00 TO STA 148+00.00

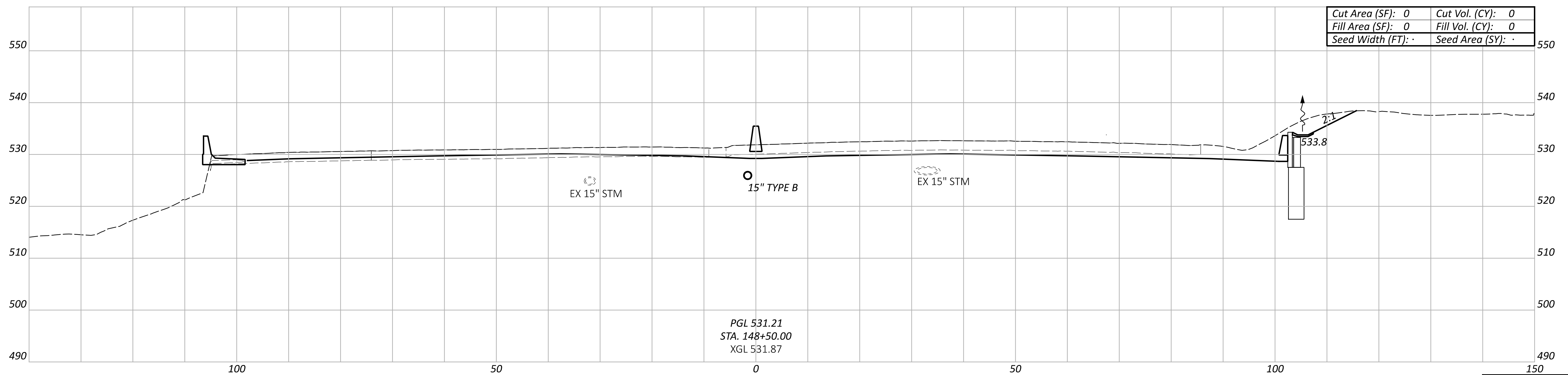
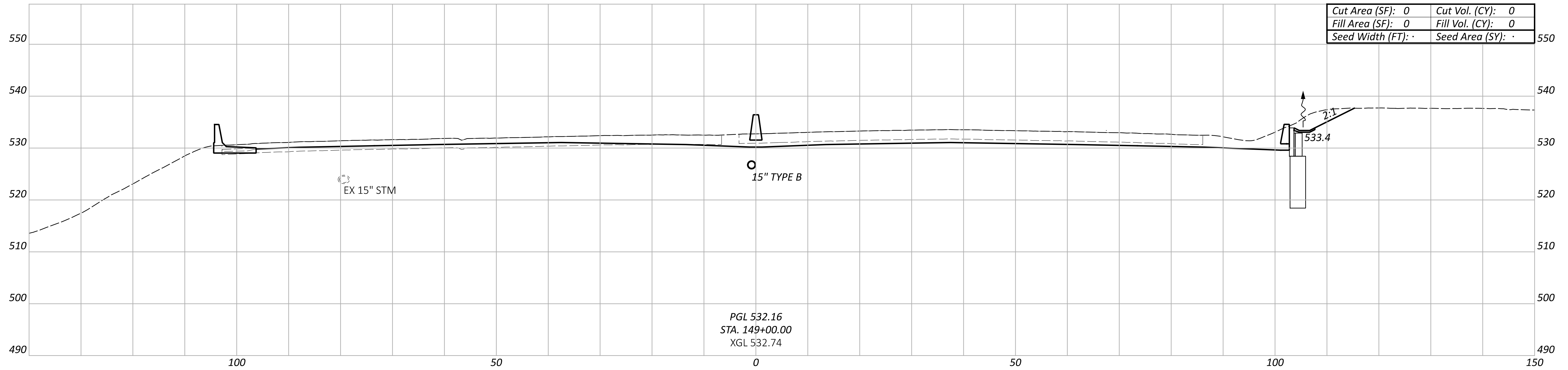
DESIGN AGENCY



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114161



Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.103	463

DESIGN AGENCY



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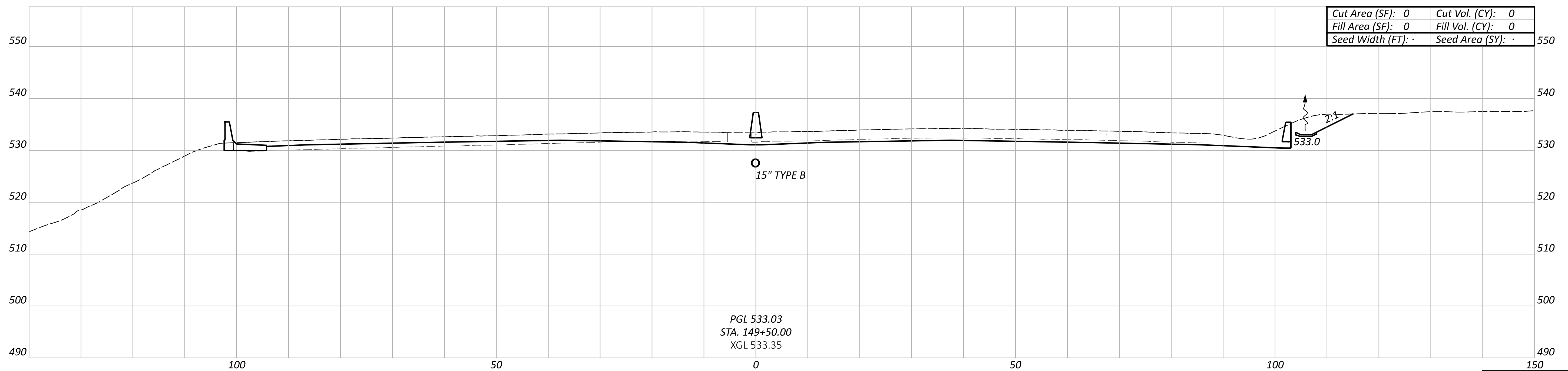
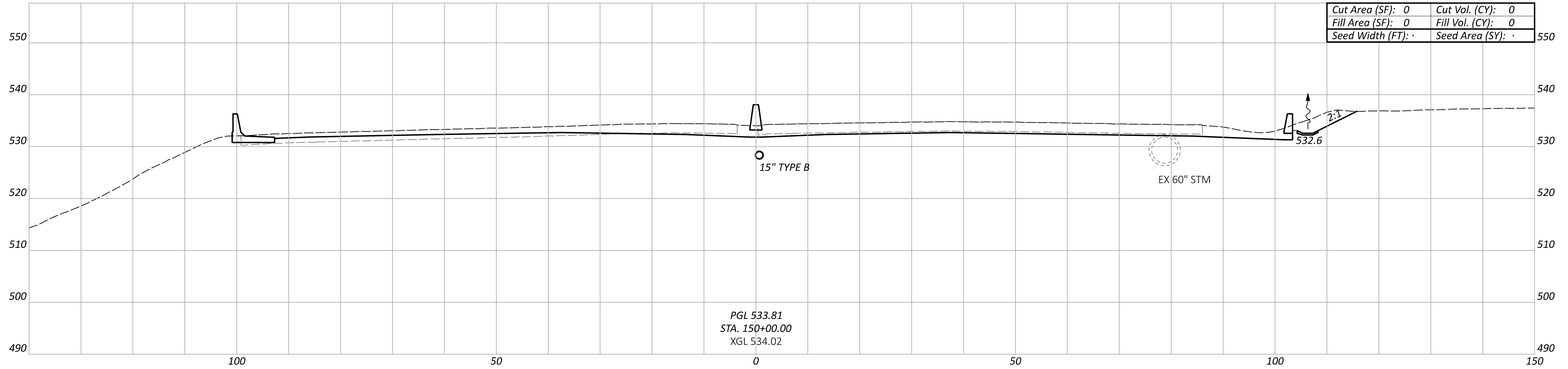
REVIEWER

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CROSS SECTIONS - IR 75
STA 148+50.00 TO STA 149+00.00



Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.104	463

DESIGN AGENCY



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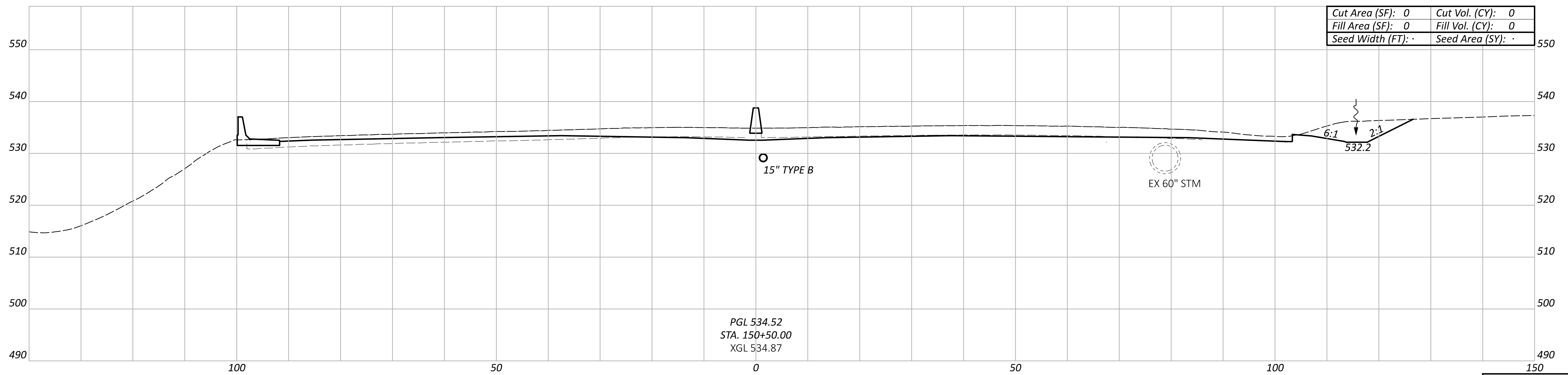
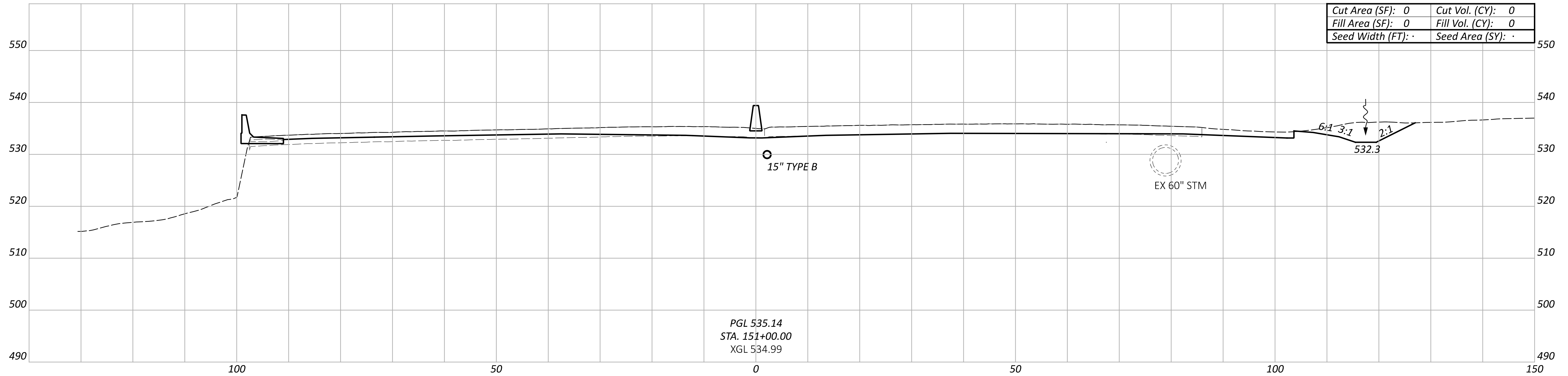
REVIEWER

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CROSS SECTIONS - IR 75
 STA 149+50.00 TO STA 150+00.00



CROSS SECTIONS - IR 75
 STA 150+50.00 TO STA 151+00.00

DESIGN AGENCY



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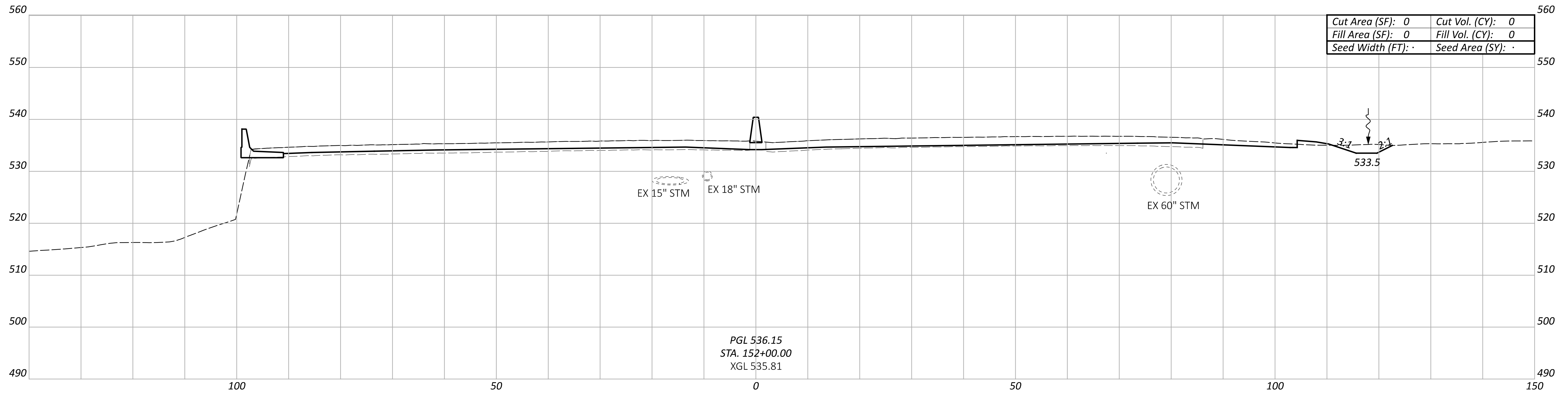
REVIEWER

MJR 06/21/24

PROJECT ID

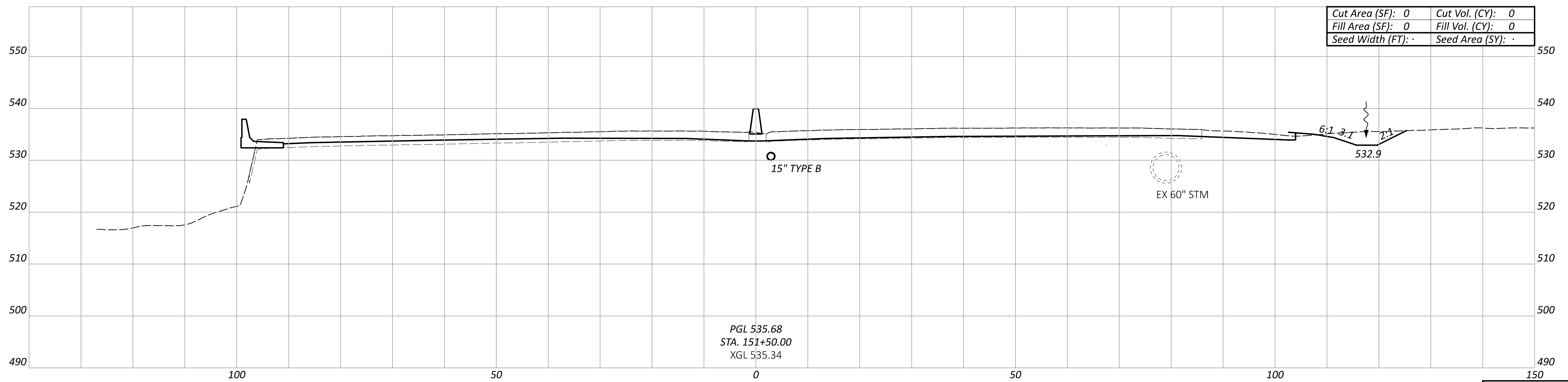
114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.105	463
.	.	.		



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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 536.15
 STA. 152+00.00
 XGL 535.81



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 535.68
 STA. 151+50.00
 XGL 535.34

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.106 463

CROSS SECTIONS - IR 75
 STA 151+50.00 TO STA 152+00.00

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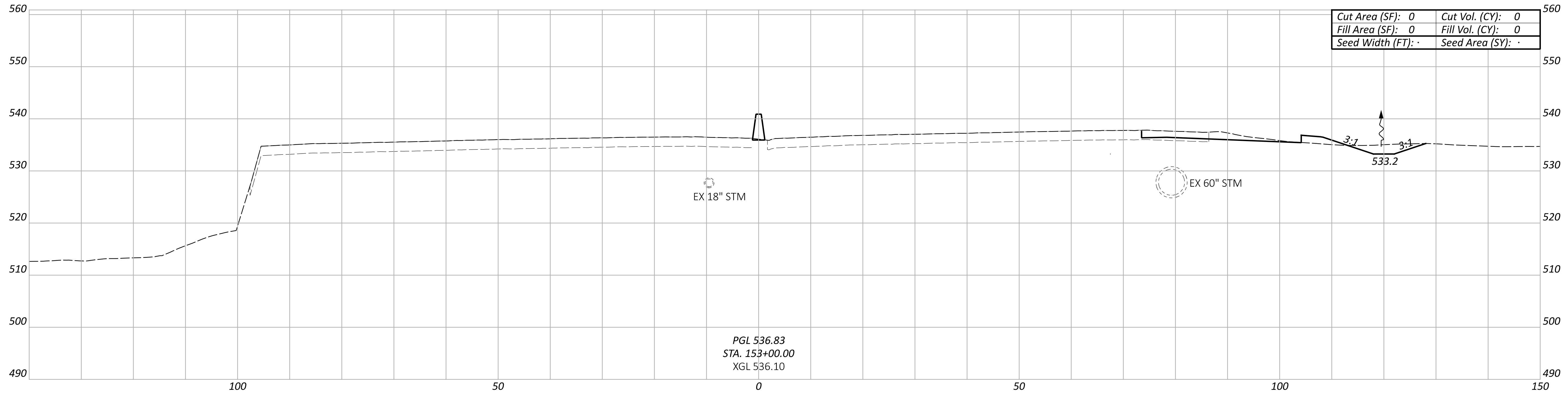
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REVIEWER

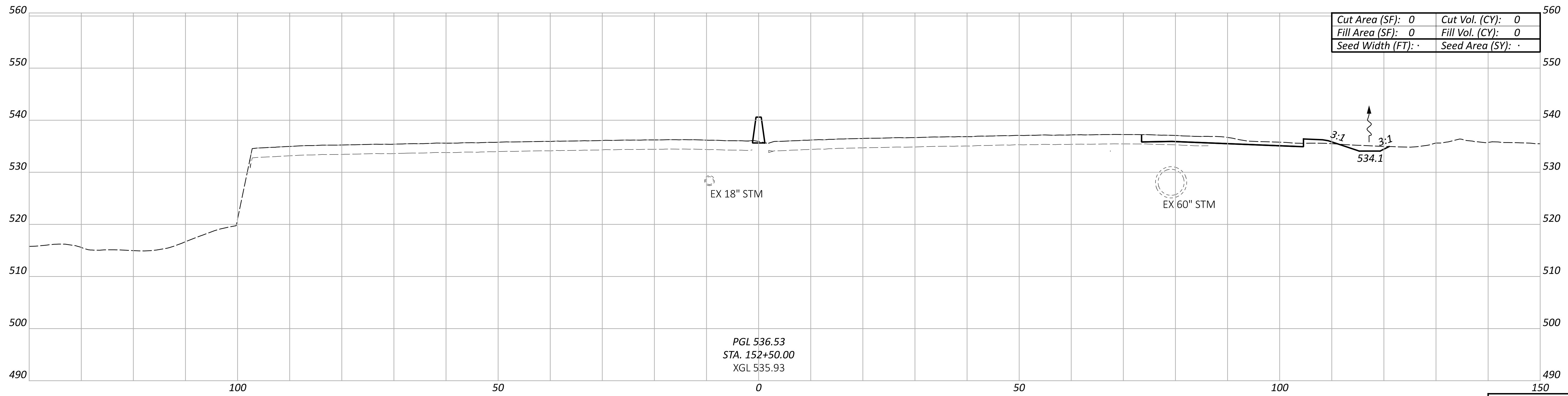
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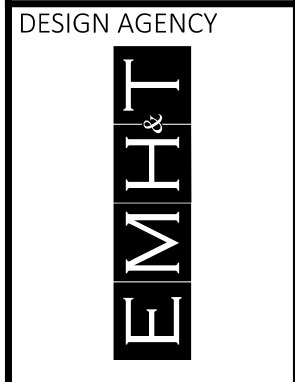


PGL 536.83
STA. 153+00.00
XGL 536.10



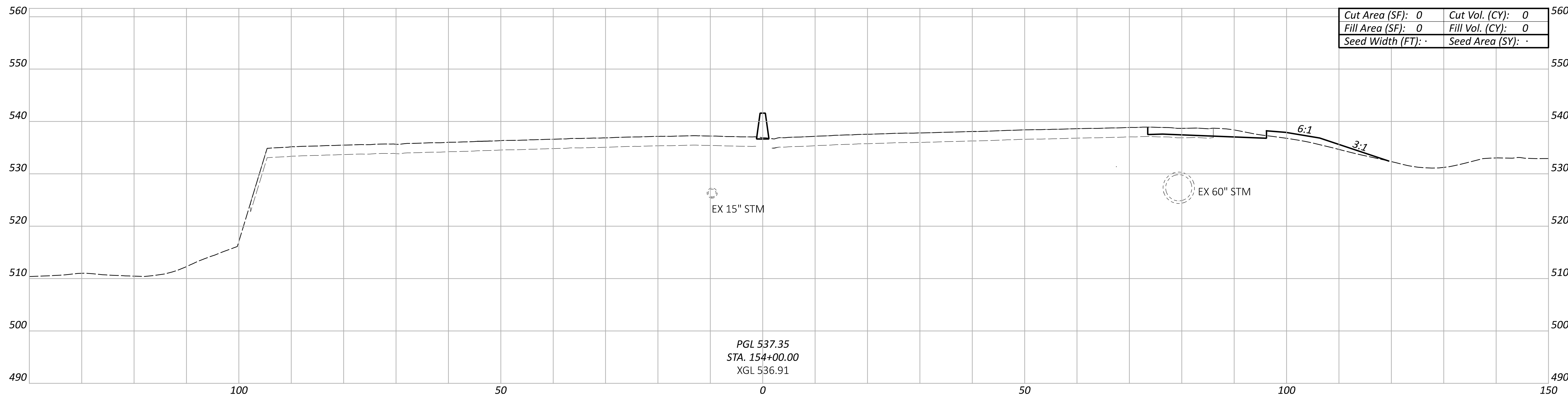
PGL 536.53
STA. 152+50.00
XGL 535.93

CROSS SECTIONS - IR 75
STA 152+50.00 TO STA 153+00.00



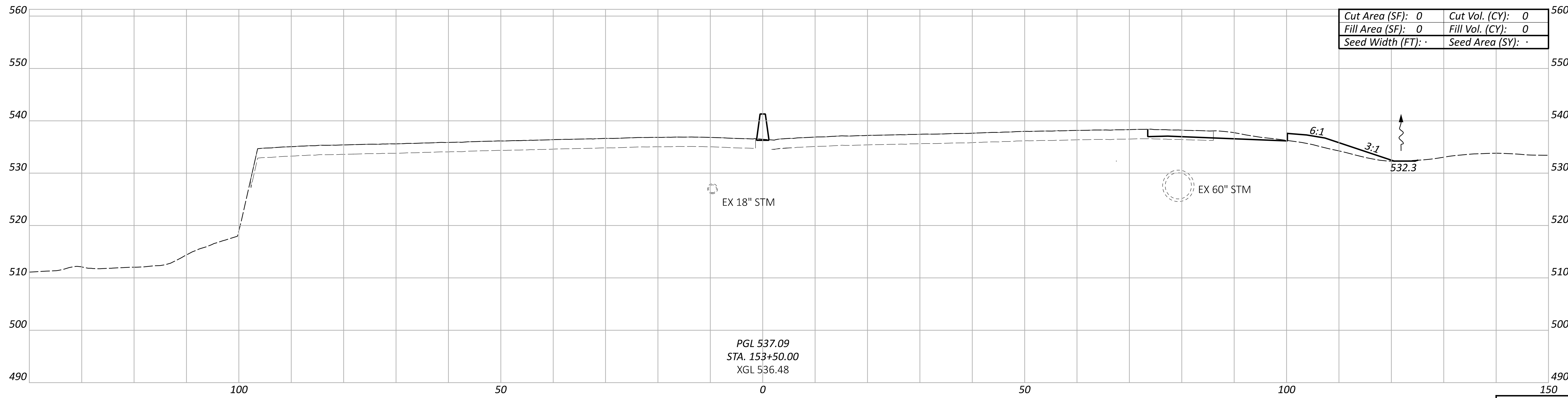
DESIGN AGENCY
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SJB
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PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.107 463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.


PGL 537.35
 STA. 154+00.00
 XGL 536.91



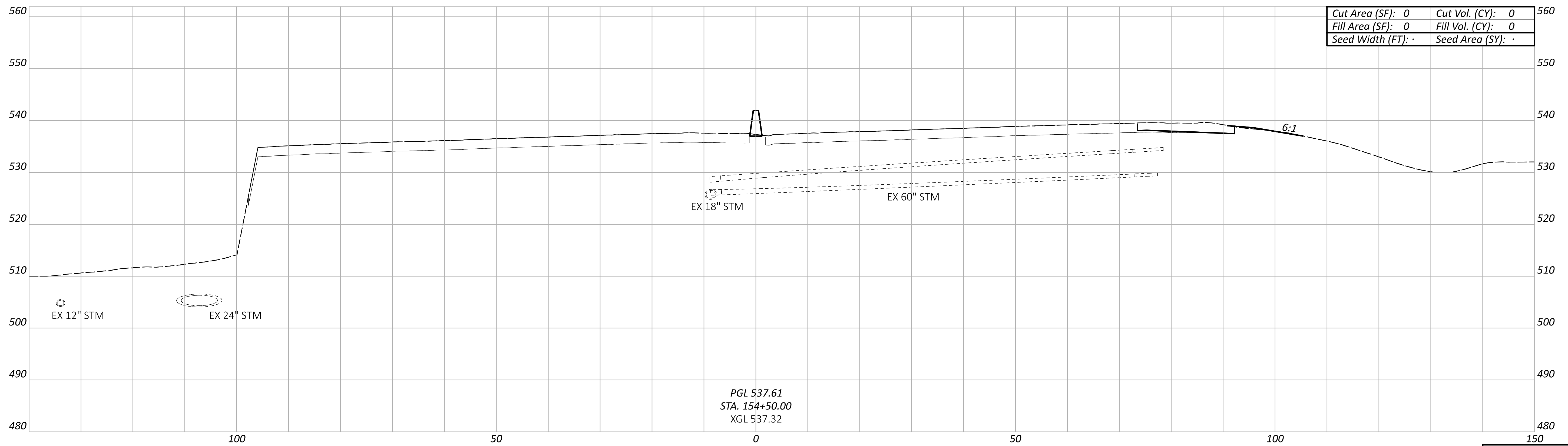
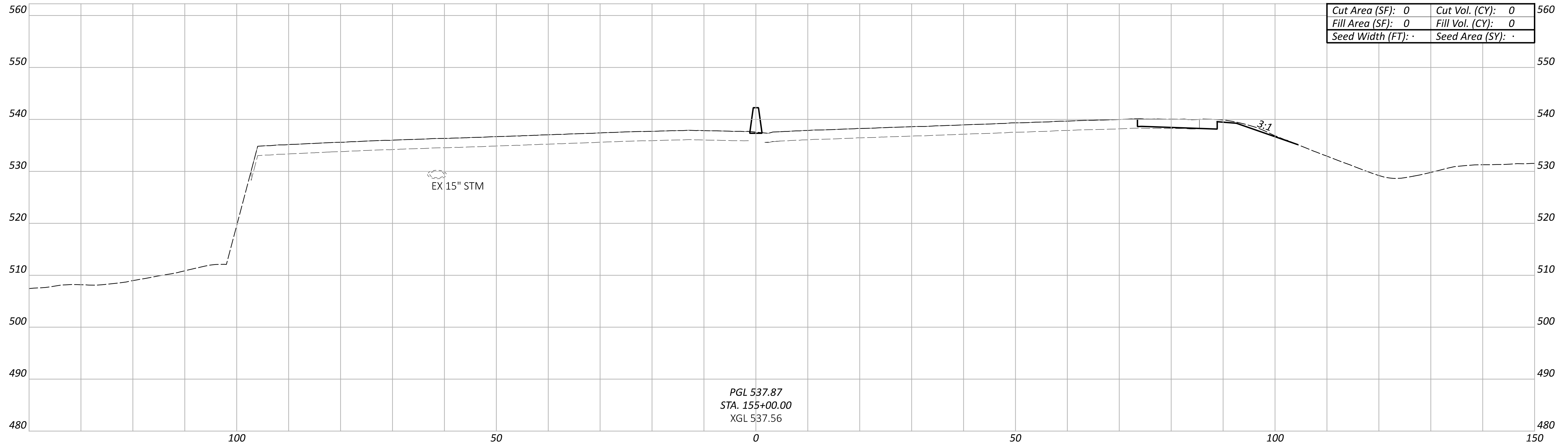
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PGL 537.09
 STA. 153+50.00
 XGL 536.48

CROSS SECTIONS - IR 75
 STA 153+50.00 TO STA 154+00.00

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CROSS SECTIONS - IR 75
 STA 154+50.00 TO STA 155+00.00

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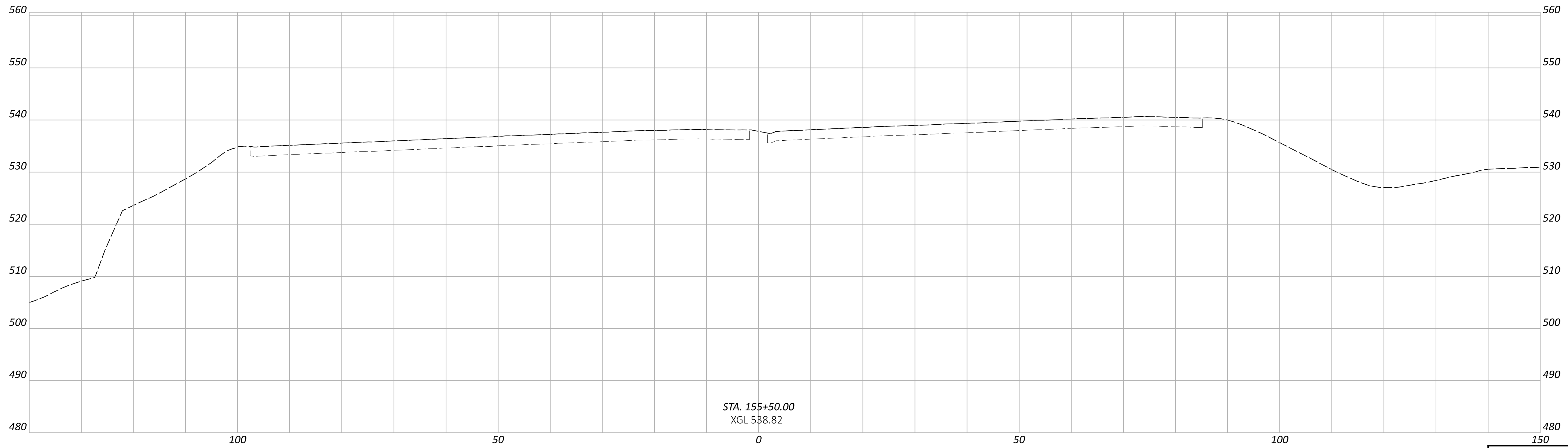
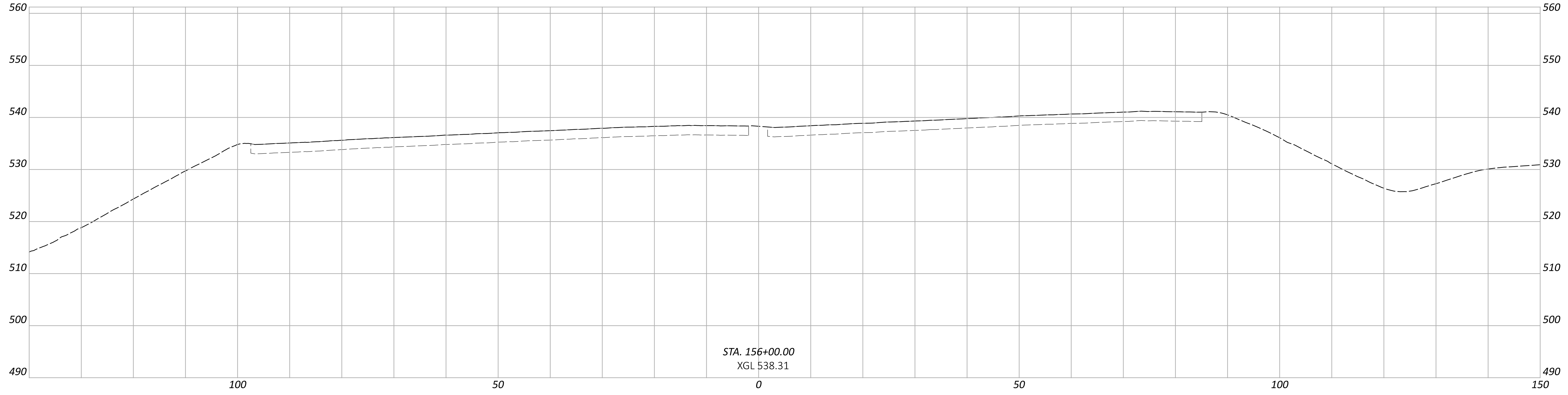
REVIEWER

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Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.109	463



CROSS SECTIONS - IR 75
STA 155+50.00 TO STA 156+00.00

DESIGN AGENCY



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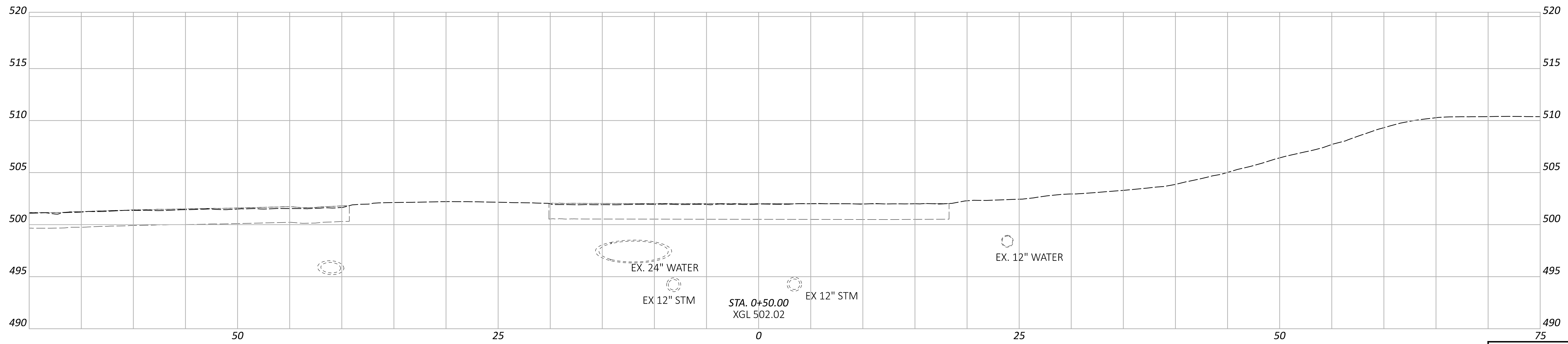
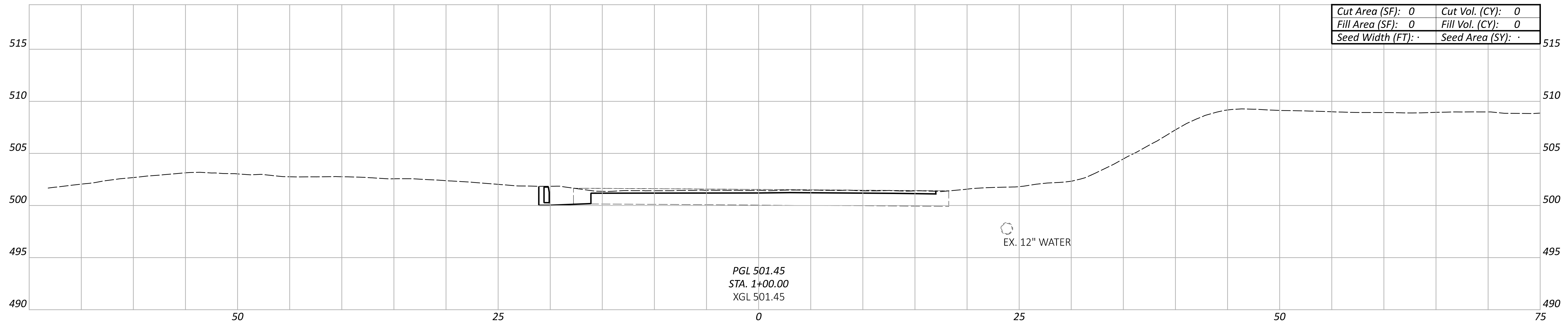
REVIEWER

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114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.110	463



CROSS SECTIONS - WINCHELL AVE
STA 0+50.00 TO STA 1+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

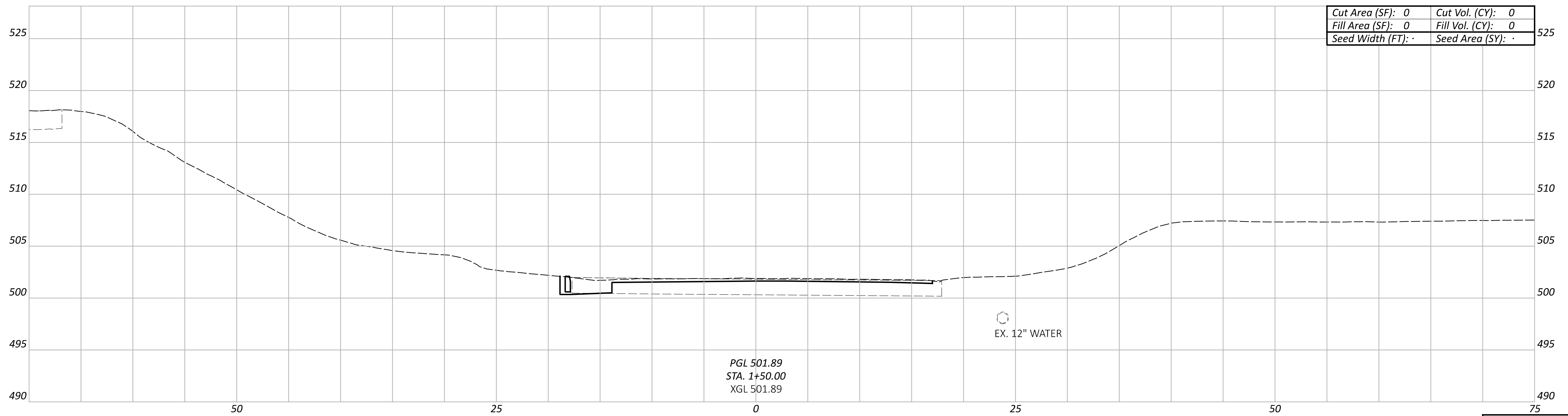
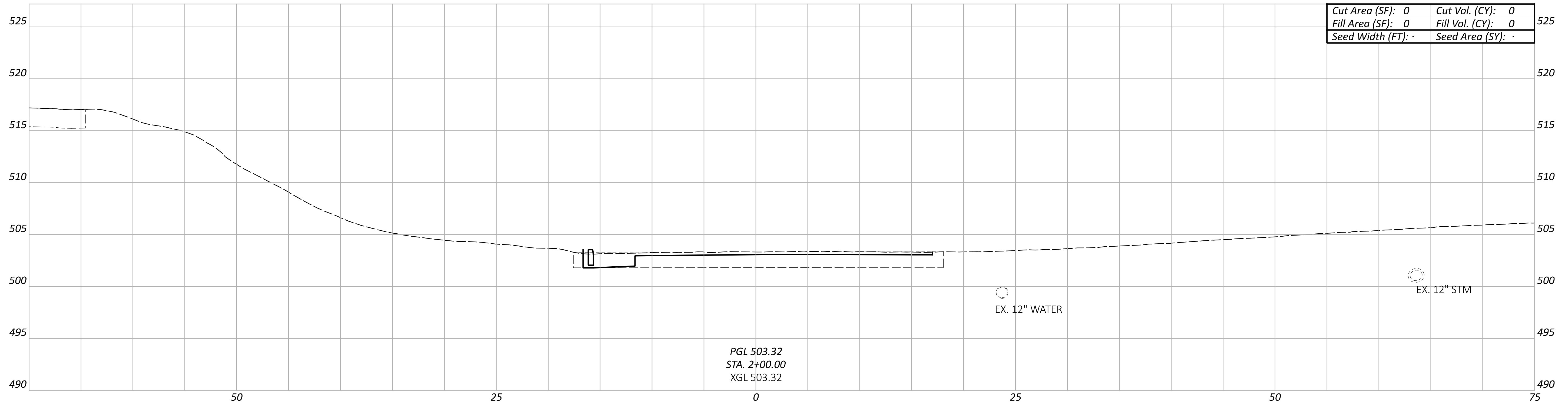
MJR 06/21/24

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114161

Sheet Totals		
Seeding	Cut	Fill
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SHEET	TOTAL
P.111	463



CROSS SECTIONS - WINCHELL AVE
 STA 1+50.00 TO STA 2+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

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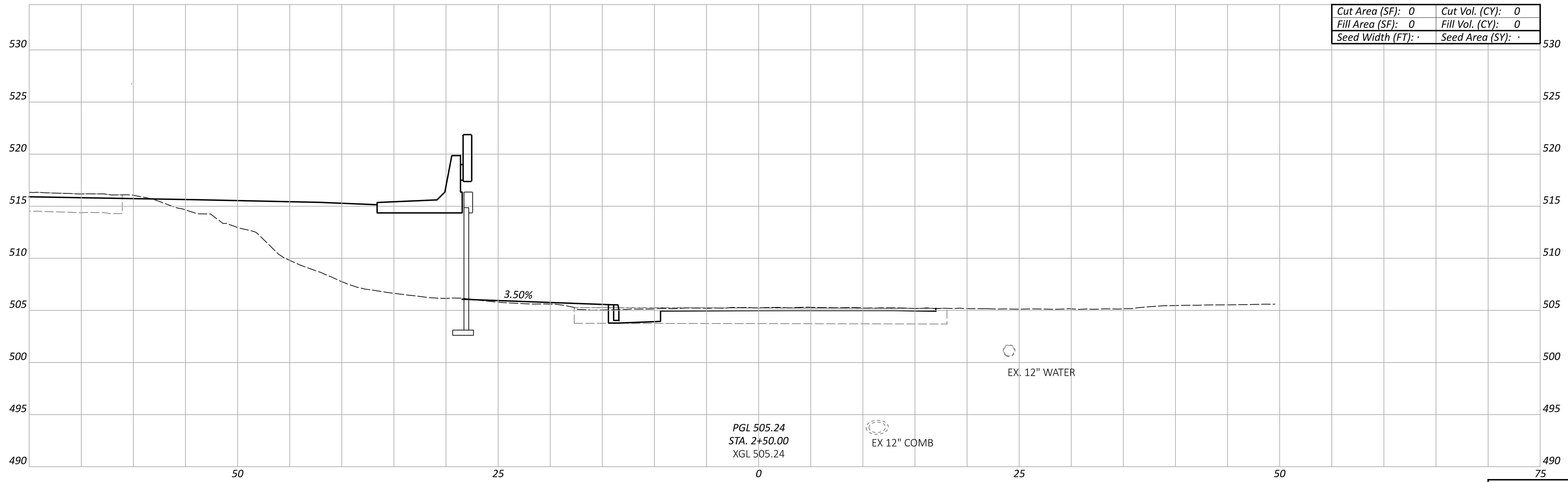
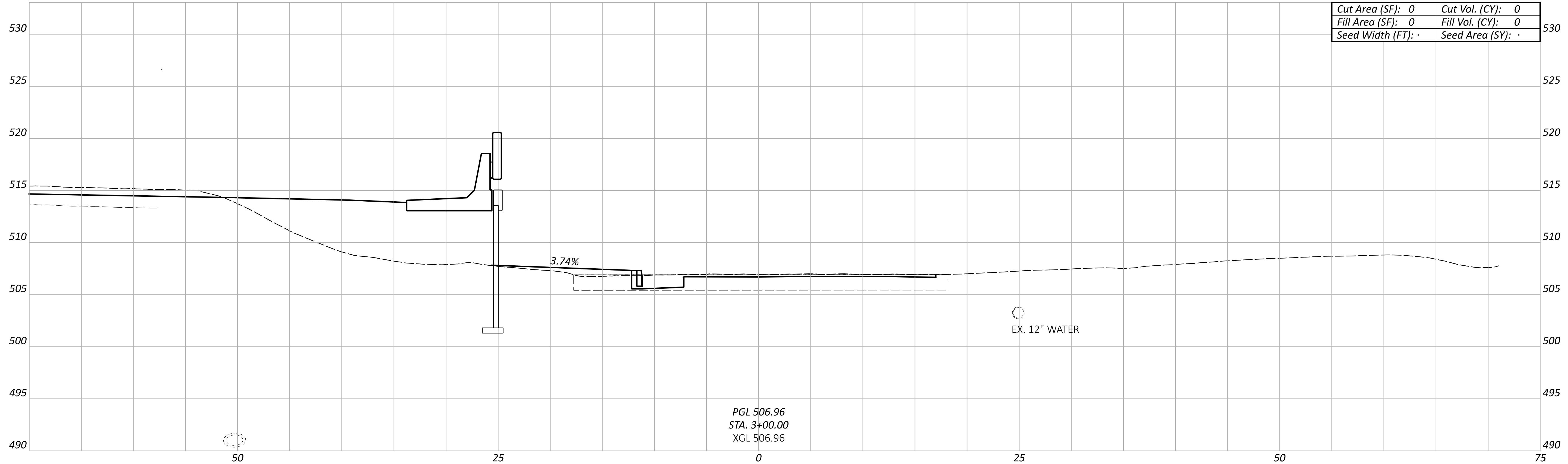
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill
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SHEET	TOTAL
P.112	463



Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.113	463

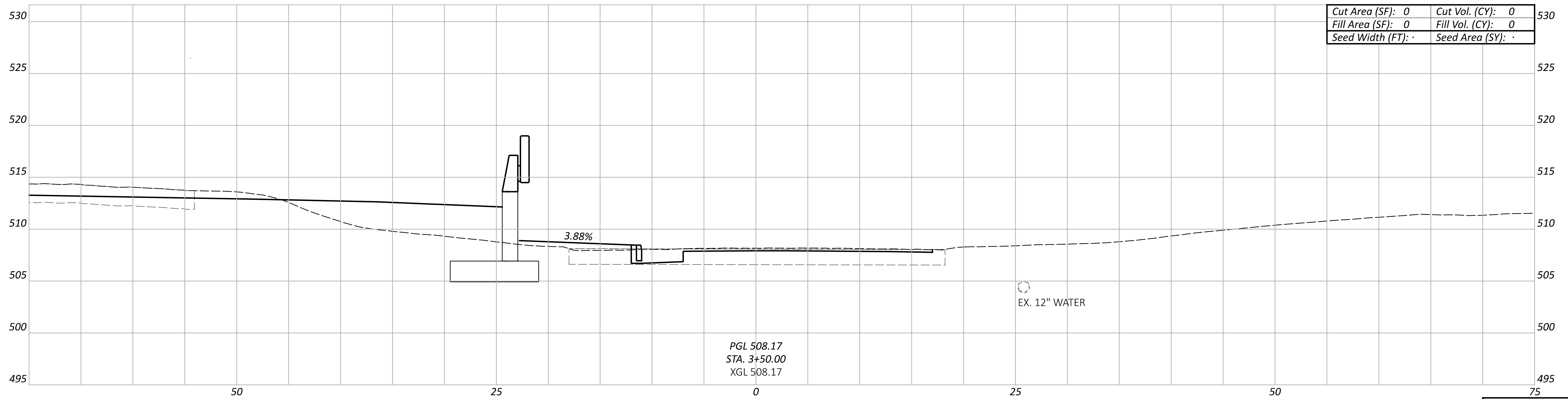
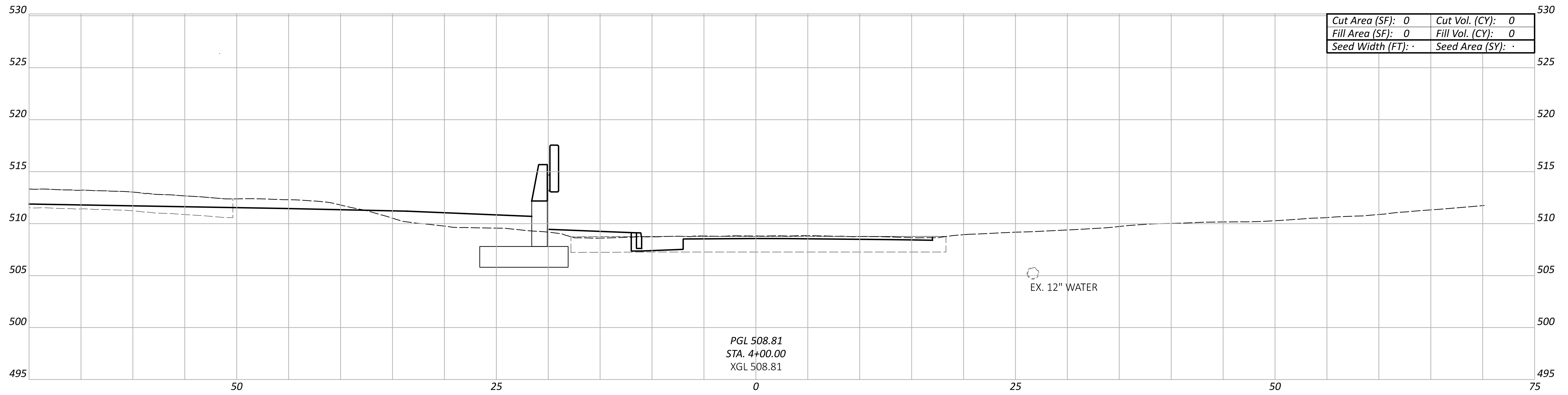
CROSS SECTIONS - WINCHELL AVE
STA 2+50.00 TO STA 3+00.00

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SJB

REVIEWER
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CROSS SECTIONS - WINCHELL AVE
 STA 3+50.00 TO STA 4+00.00

DESIGN AGENCY



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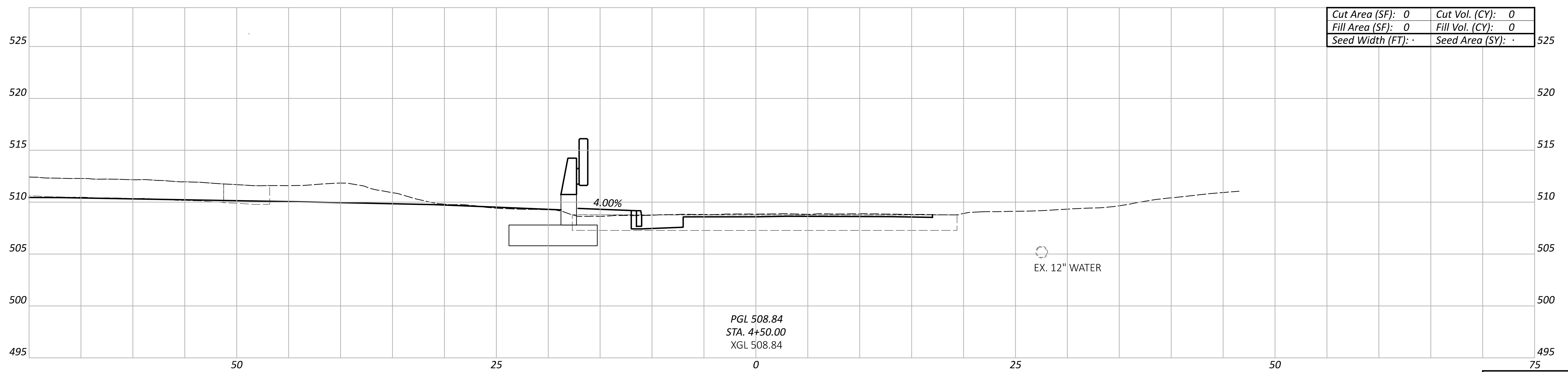
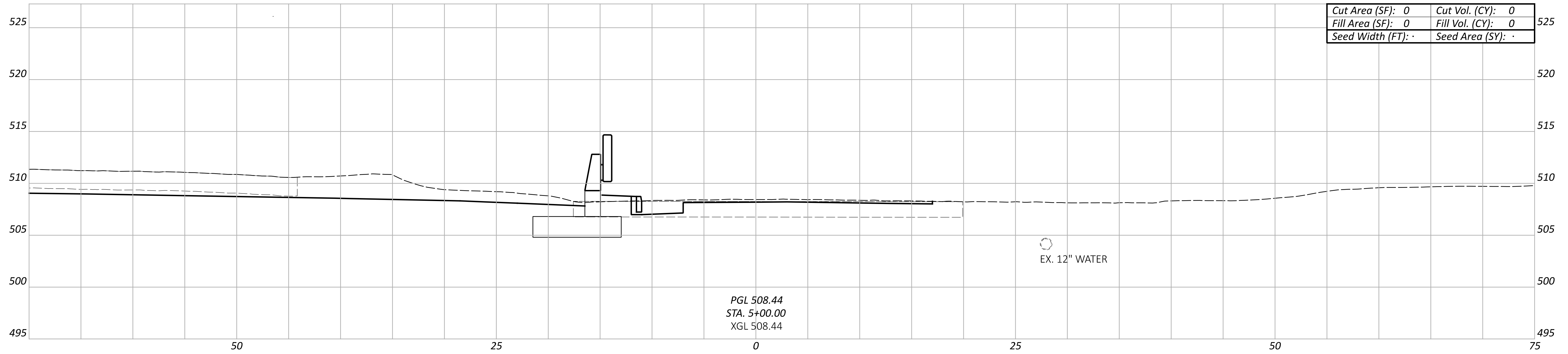
114161

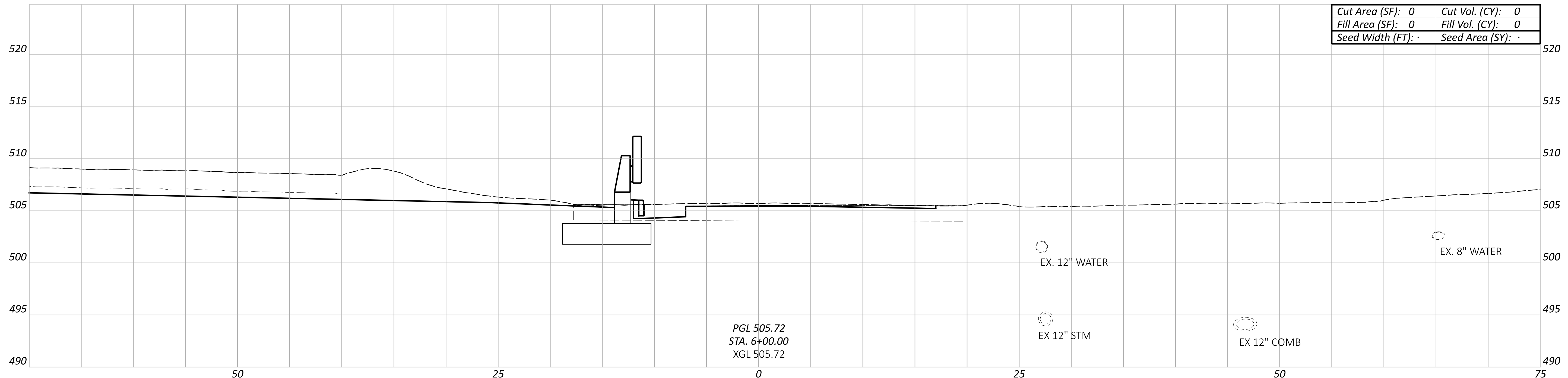
Sheet Totals

Seeding	Cut	Fill	TOTAL
.	.	.	P.114

TOTAL

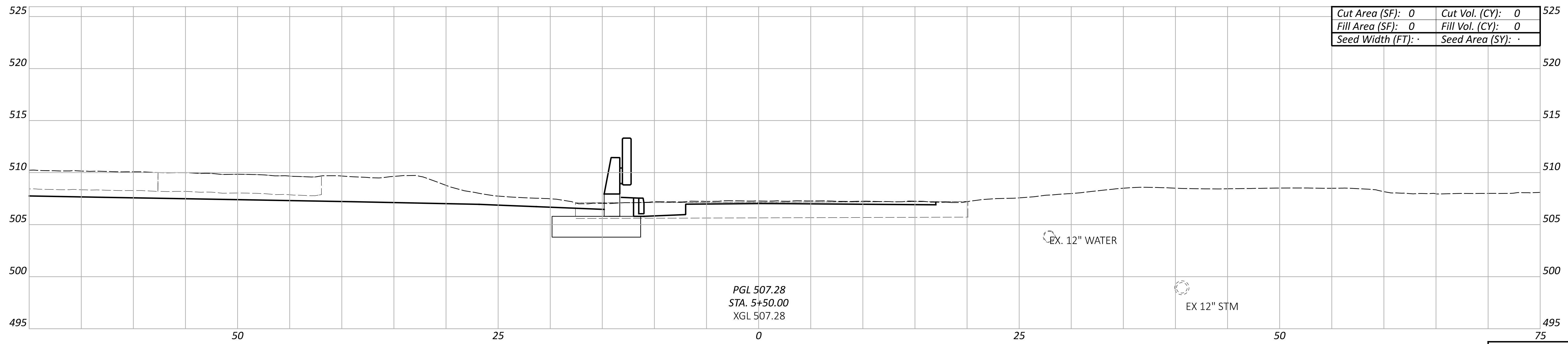
463





PGL 505.72
 STA. 6+00.00
 XGL 505.72

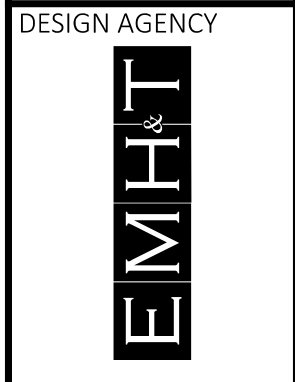
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Seed Width (FT):	-	Seed Area (SY):	-



PGL 507.28
 STA. 5+50.00
 XGL 507.28

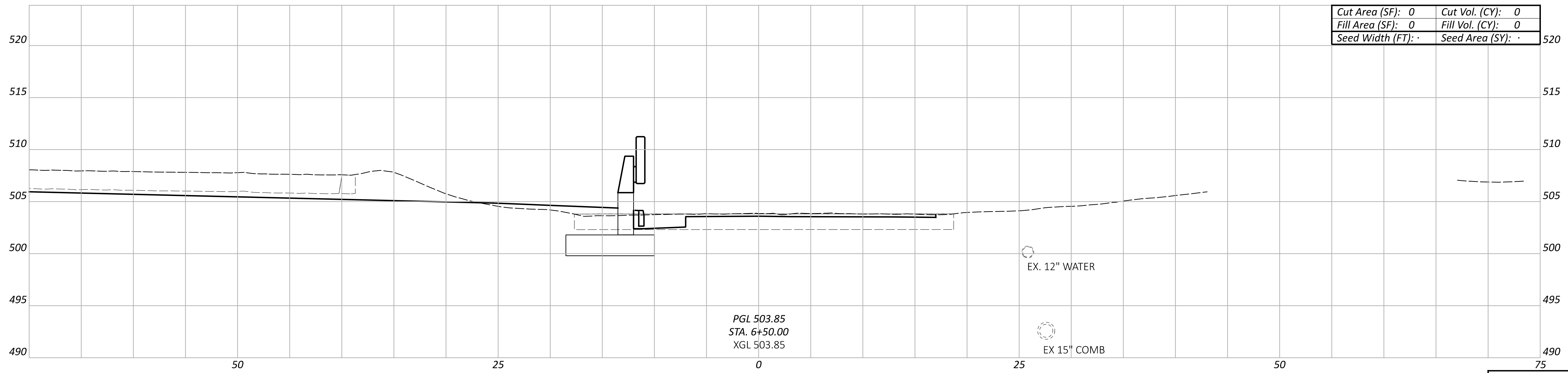
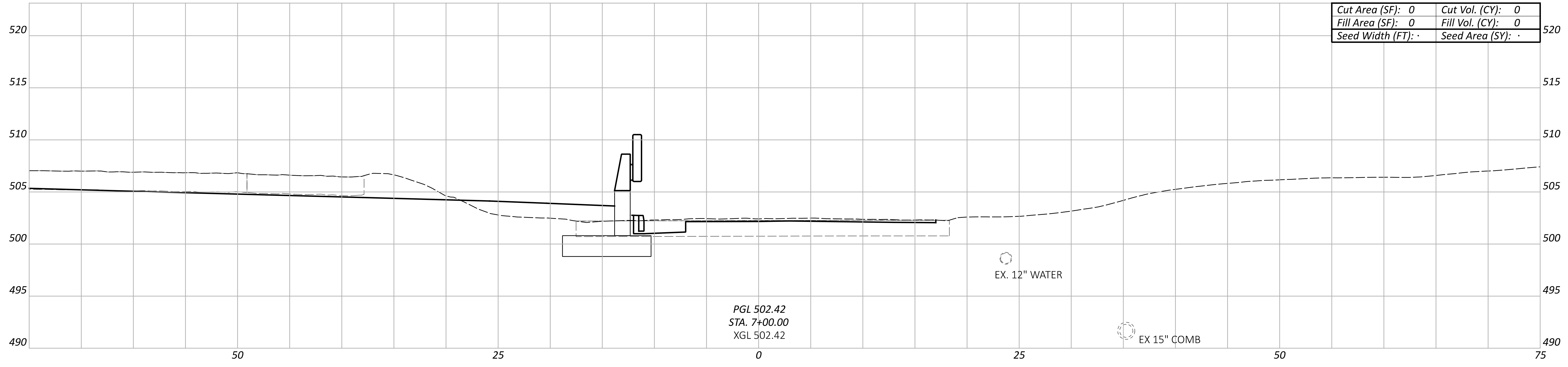
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Seed Width (FT):	-	Seed Area (SY):	-

CROSS SECTIONS - WINCHELL AVE
 STA 5+50.00 TO STA 6+00.00



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Seeding	Cut	Fill	TOTAL
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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.117 463

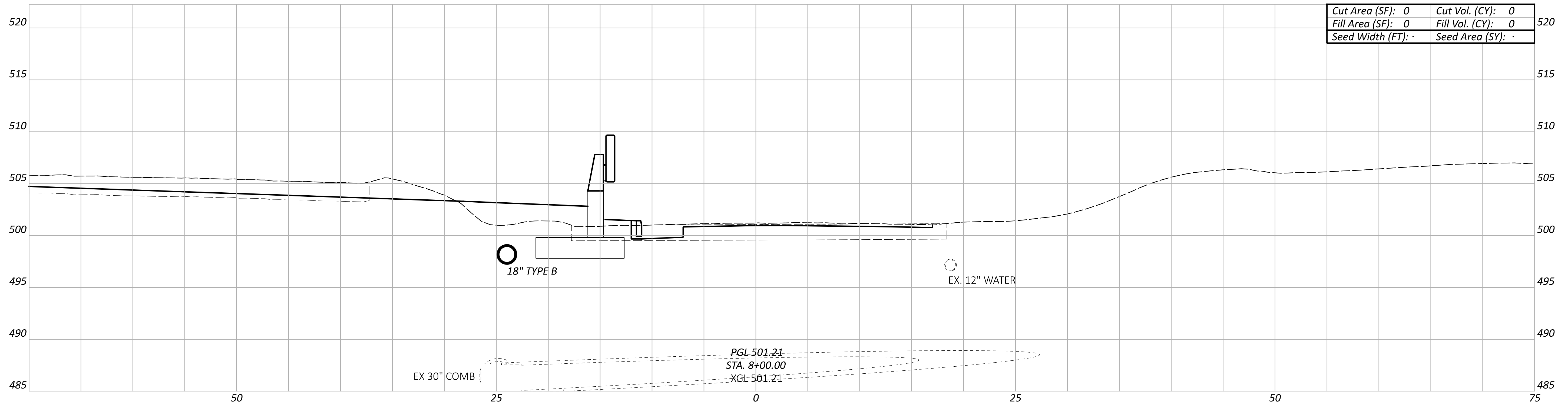
CROSS SECTIONS - WINCHELL AVE
STA 6+50.00 TO STA 7+00.00

DESIGN AGENCY
EMHT

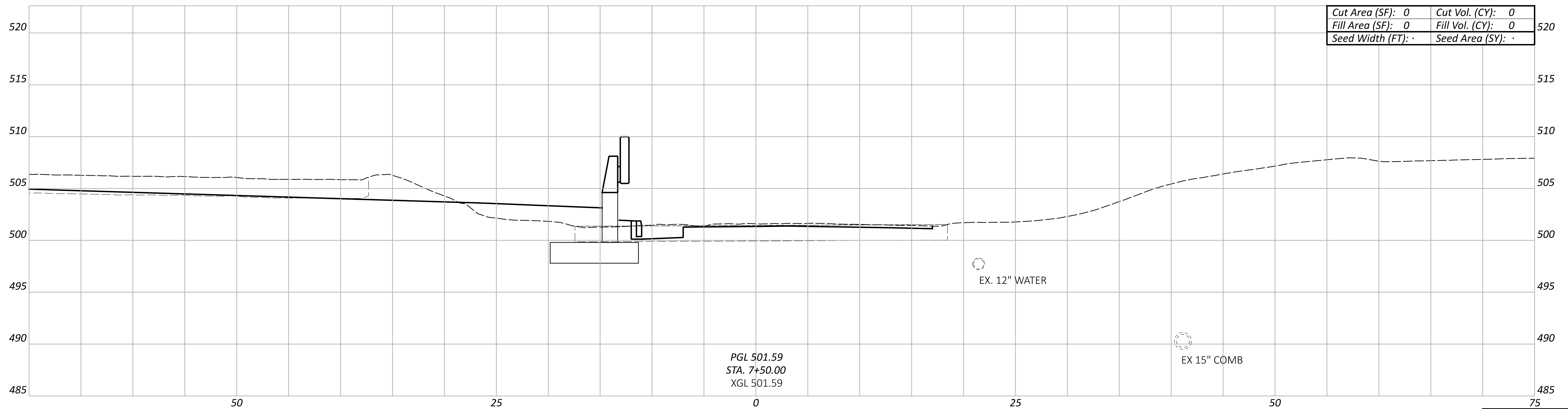
DESIGNER
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Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
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CROSS SECTIONS - WINCHELL AVE
 STA 7+50.00 TO STA 8+00.00

DESIGN AGENCY



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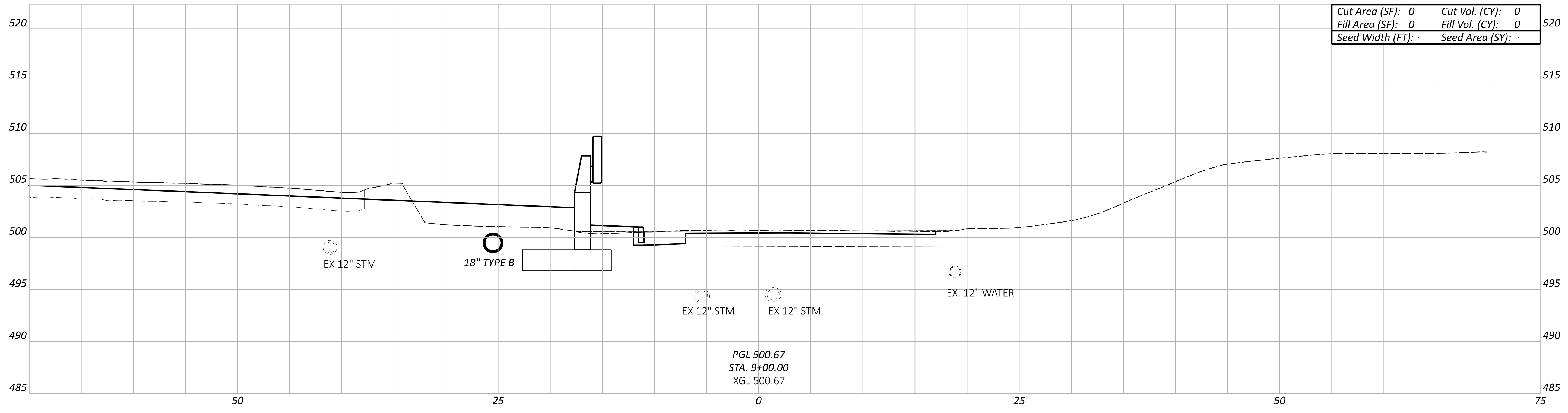
114161

SHEET

P.118

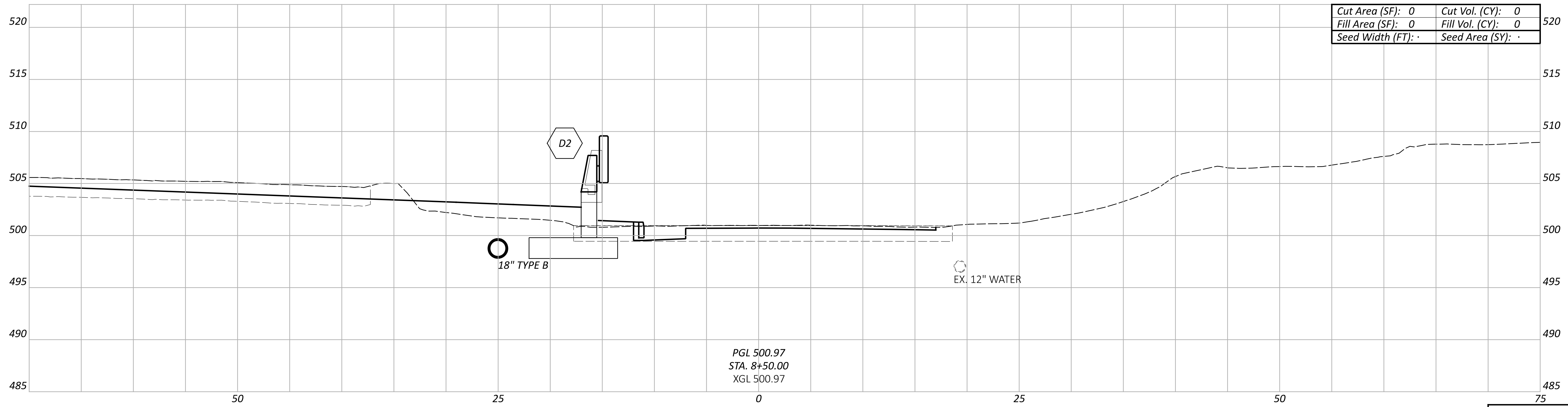
TOTAL

463



Cut Area (SF):	0	Cut Vol. (CY):	0
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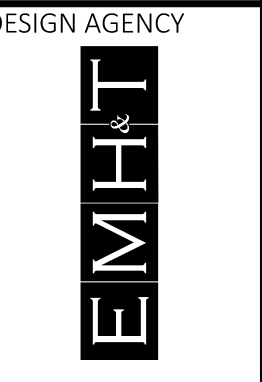
PGL 500.67
STA. 9+00.00
XGL 500.67



Cut Area (SF):	0	Cut Vol. (CY):	0
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Seed Width (FT):	-	Seed Area (SY):	-

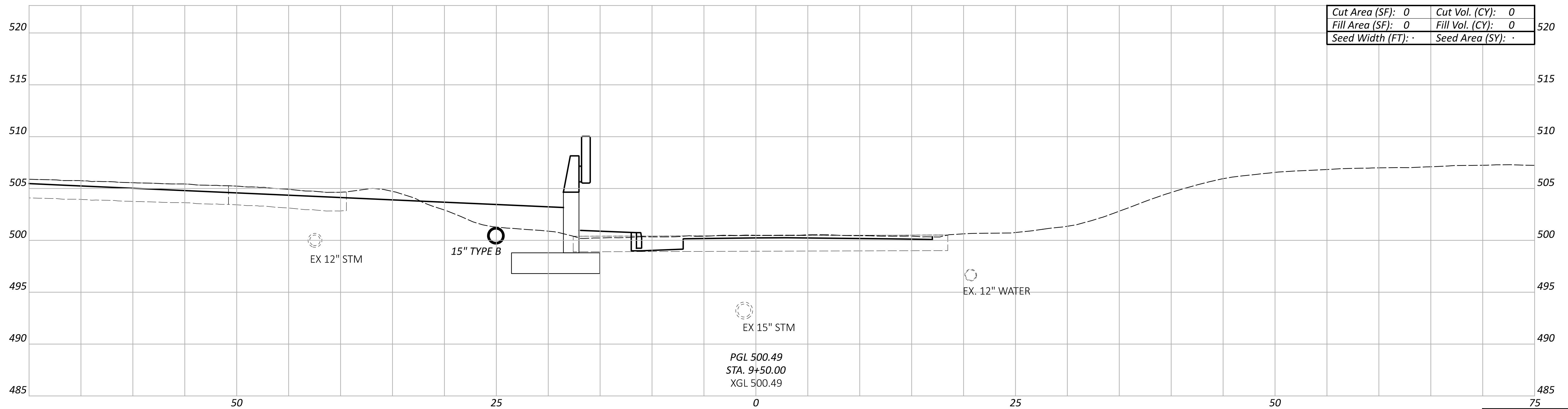
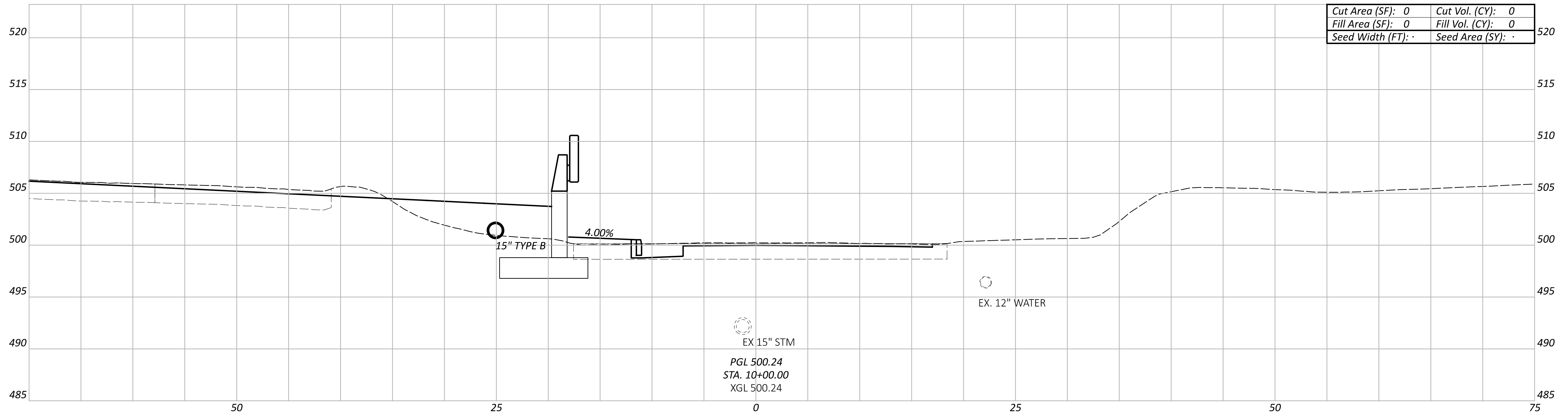
PGL 500.97
STA. 8+50.00
XGL 500.97

CROSS SECTIONS - WINCHELL AVE
STA 8+50.00 TO STA 9+00.00



DESIGNER
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REVIEWER
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CROSS SECTIONS - WINCHELL AVE
 STA 9+50.00 TO STA 10+00.00

DESIGN AGENCY



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REVIEWER

MJR 06/21/24

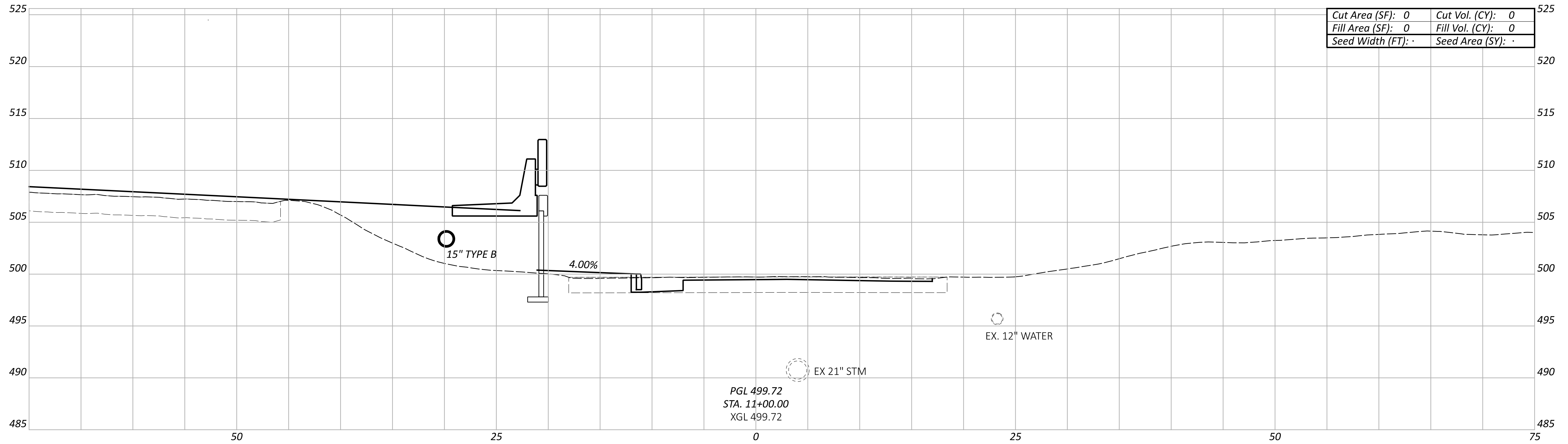
PROJECT ID

114161

Sheet Totals

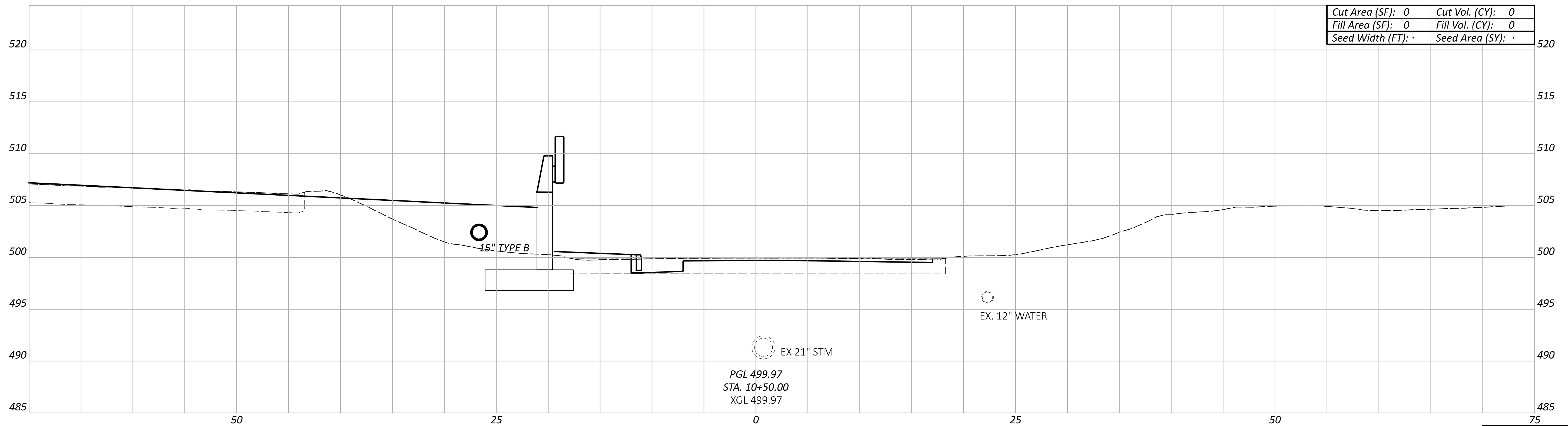
Seeding	Cut	Fill	TOTAL
.	.	.	463

SHEET TOTAL
 P.120 463



Cut Area (SF):	0	Cut Vol. (CY):	0
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Seed Width (FT):	.	Seed Area (SY):	.

PGL 499.72
 STA. 11+00.00
 XGL 499.72



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 499.97
 STA. 10+50.00
 XGL 499.97

CROSS SECTIONS - WINCHELL AVE
 STA 10+50.00 TO STA 11+00.00

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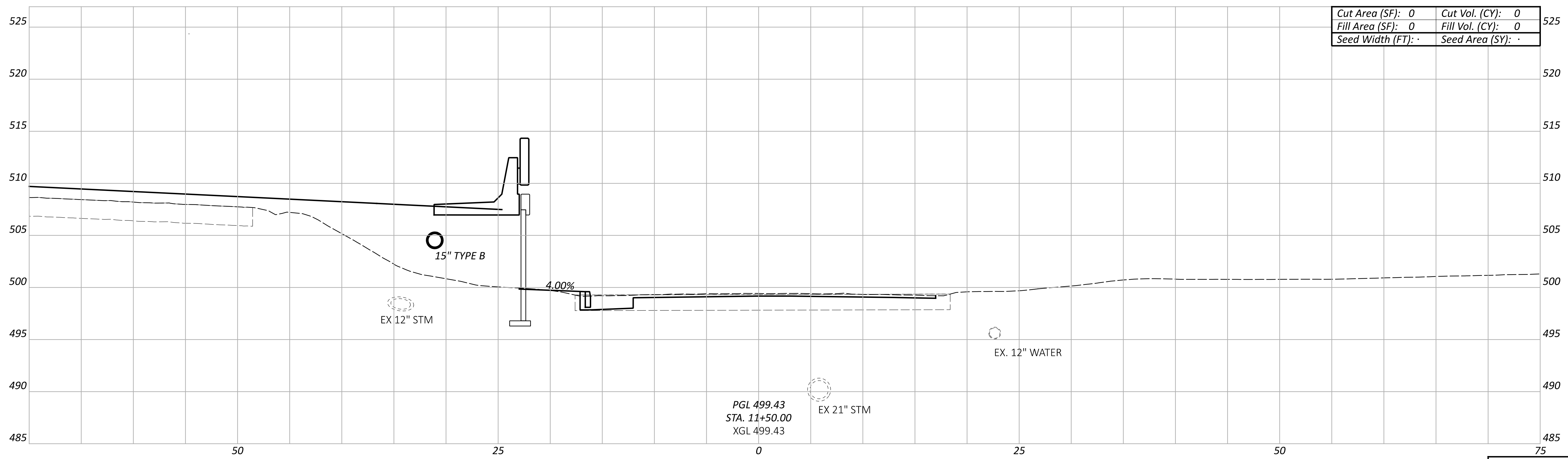
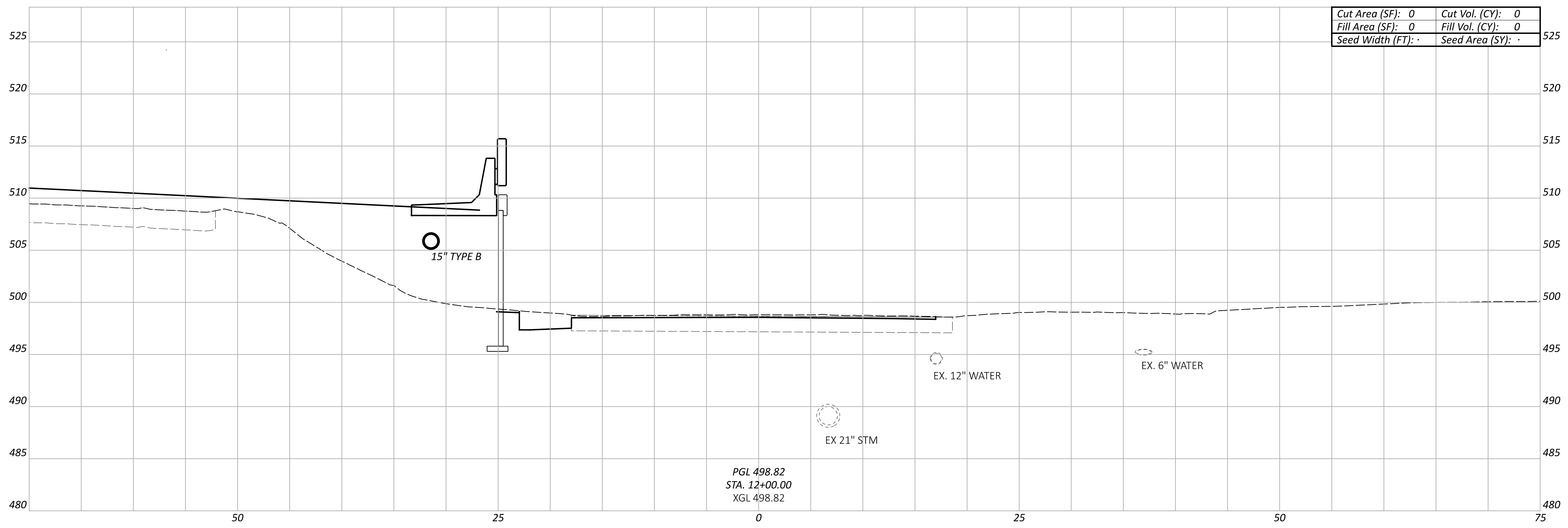
PROJECT ID

114161

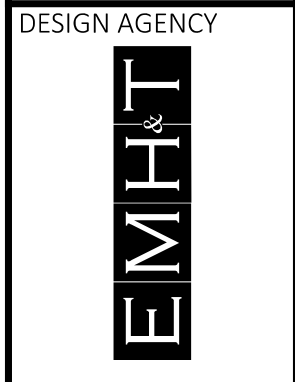
Sheet Totals

Seeding	Cut	Fill
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SHEET TOTAL	463
P.121	

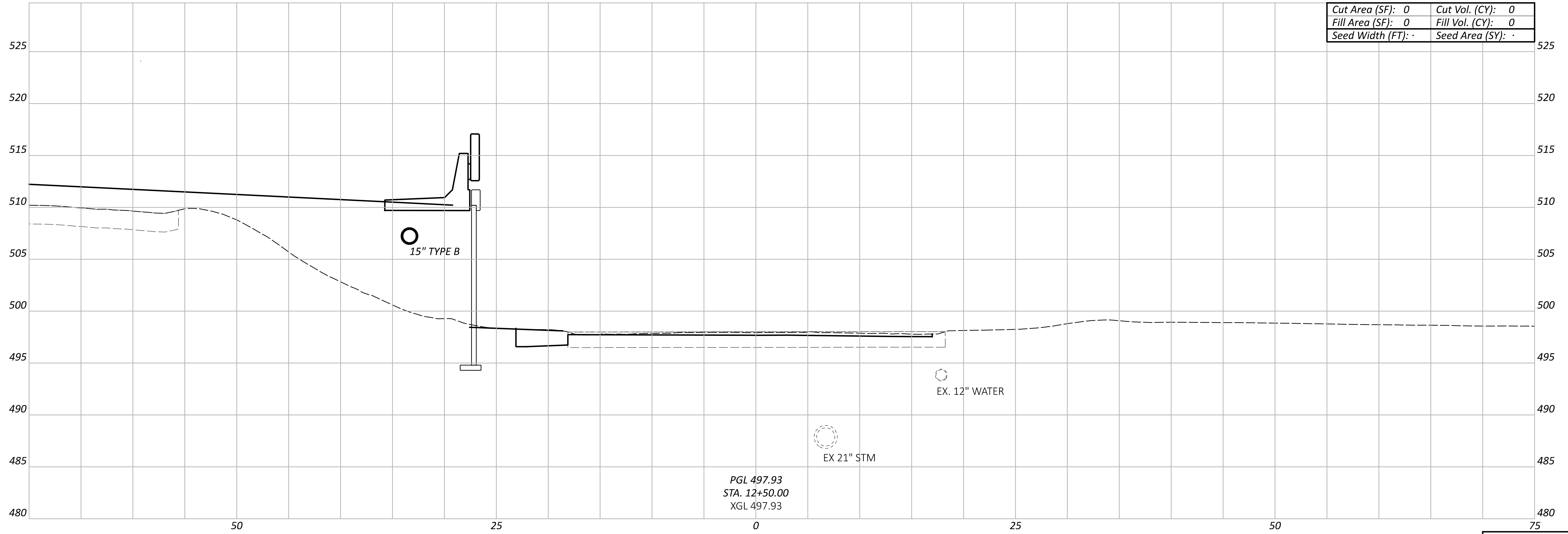


CROSS SECTIONS - WINCHELL AVE
STA 11+50.00 TO STA 12+00.00



DESIGN AGENCY
DESIGNER
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REVIEWER
MJR 06/21/24
PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.122 463



PGL 497.93
STA. 12+50.00
XGL 497.93


EX 21" STM

EX. 12" WATER

15" TYPE B

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.123	463

DESIGN AGENCY

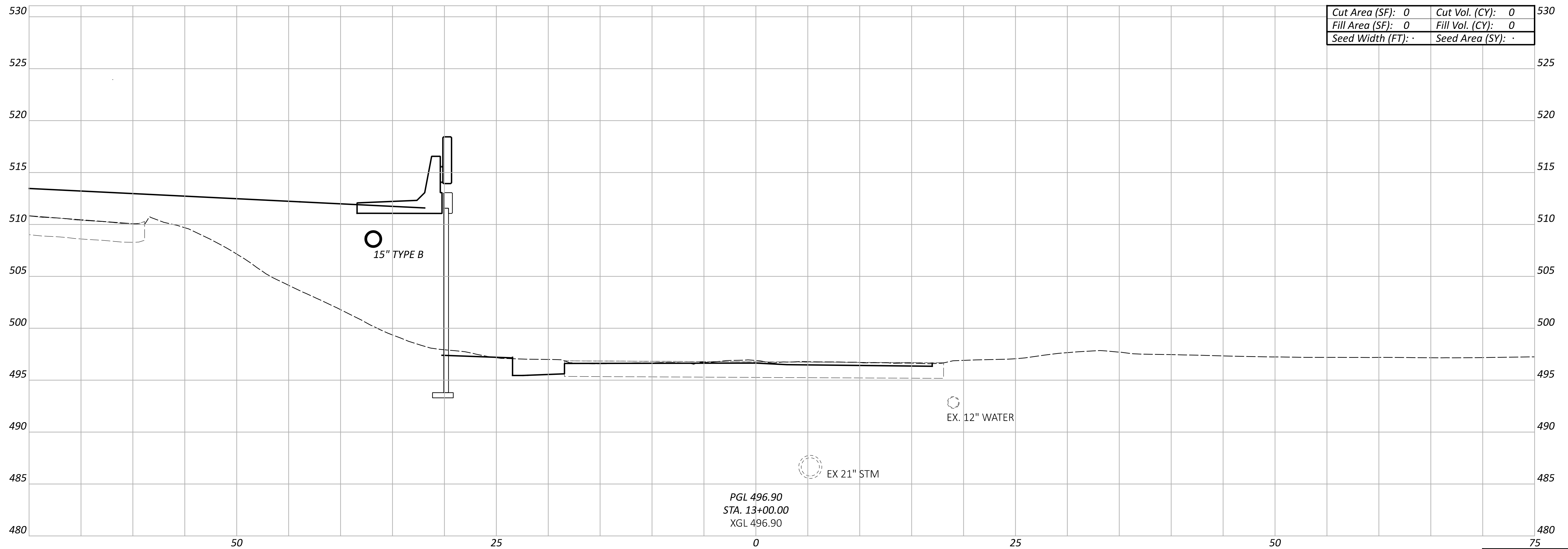


DESIGNER
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MJR 06/21/24

PROJECT ID
114161

CROSS SECTIONS - WINCHELL AVE
STA 12+50.00



PGL 496.90
STA. 13+00.00
XGL 496.90

EX 21" STM

EX. 12" WATER

15" TYPE B

CROSS SECTIONS - WINCHELL AVE
STA 13+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

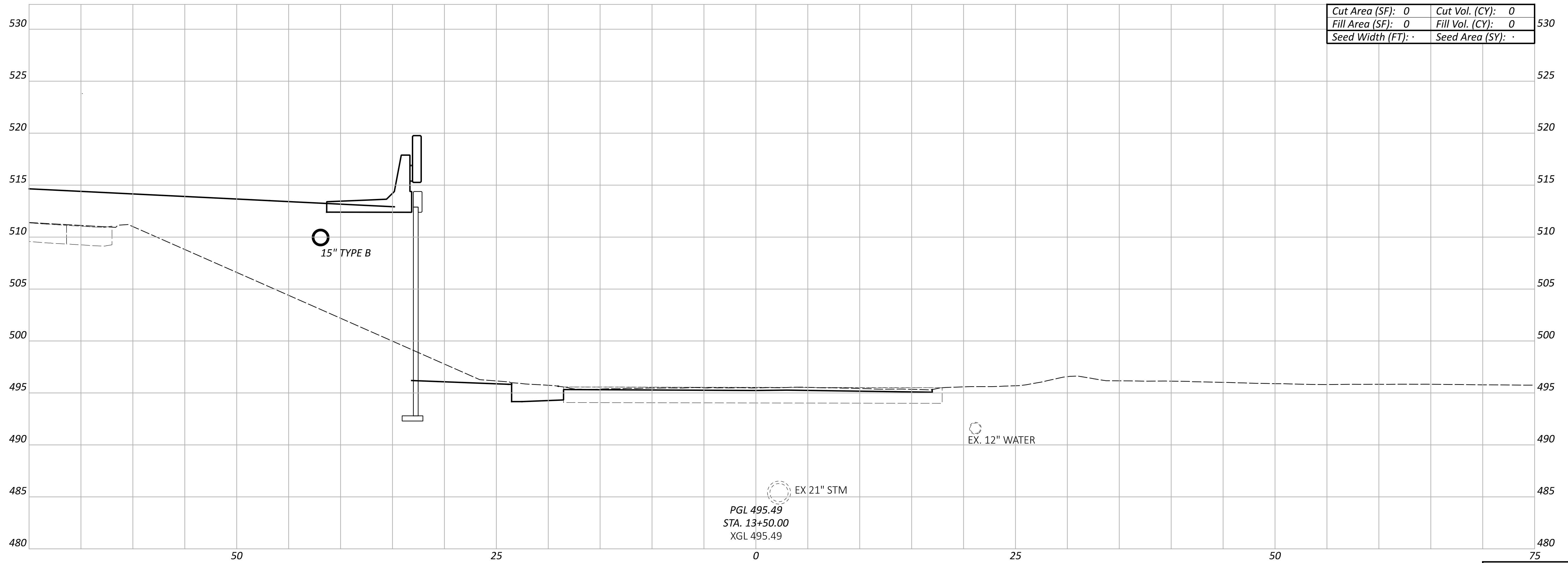
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill	TOTAL
.	.	.	P.124

TOTAL
463



PGL 495.49
 STA. 13+50.00
 XGL 495.49

CROSS SECTIONS - WINCHELL AVE
 STA 13+50.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

PROJECT ID

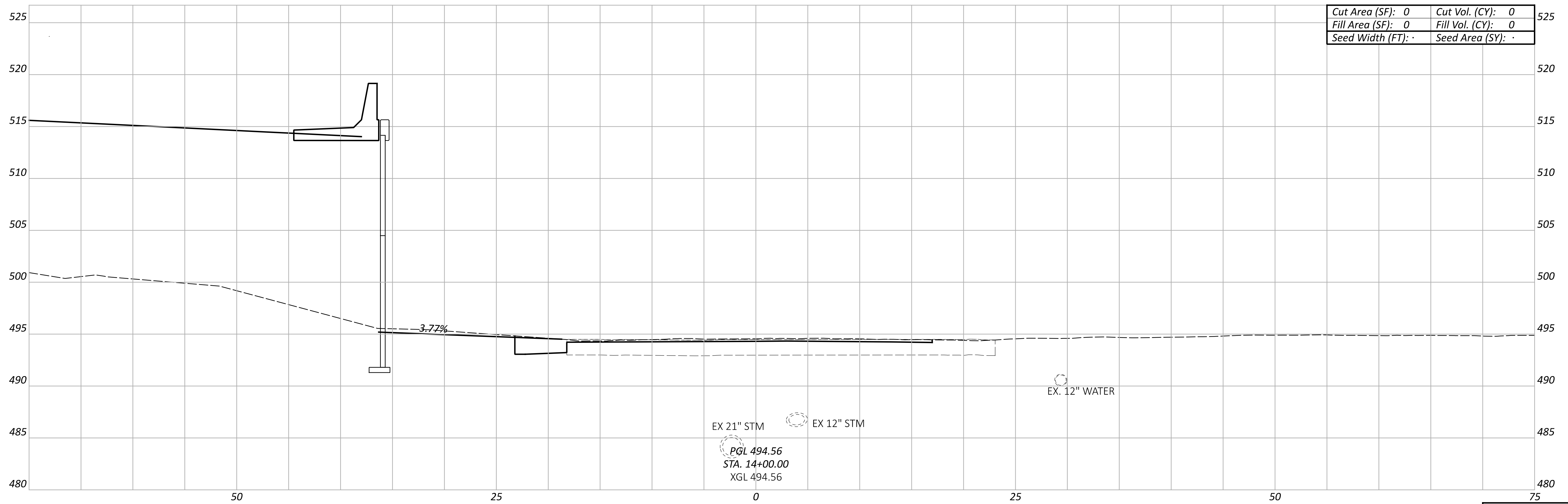
114161

Sheet Totals

Seeding	Cut	Fill
.	.	.

SHEET TOTAL

P.125 463



EX 21" STM
 PGL 494.56
 STA. 14+00.00
 XGL 494.56

EX 12" STM

EX. 12" WATER

CROSS SECTIONS - WINCHELL AVE
 STA 14+00.00

DESIGN AGENCY



DESIGNER

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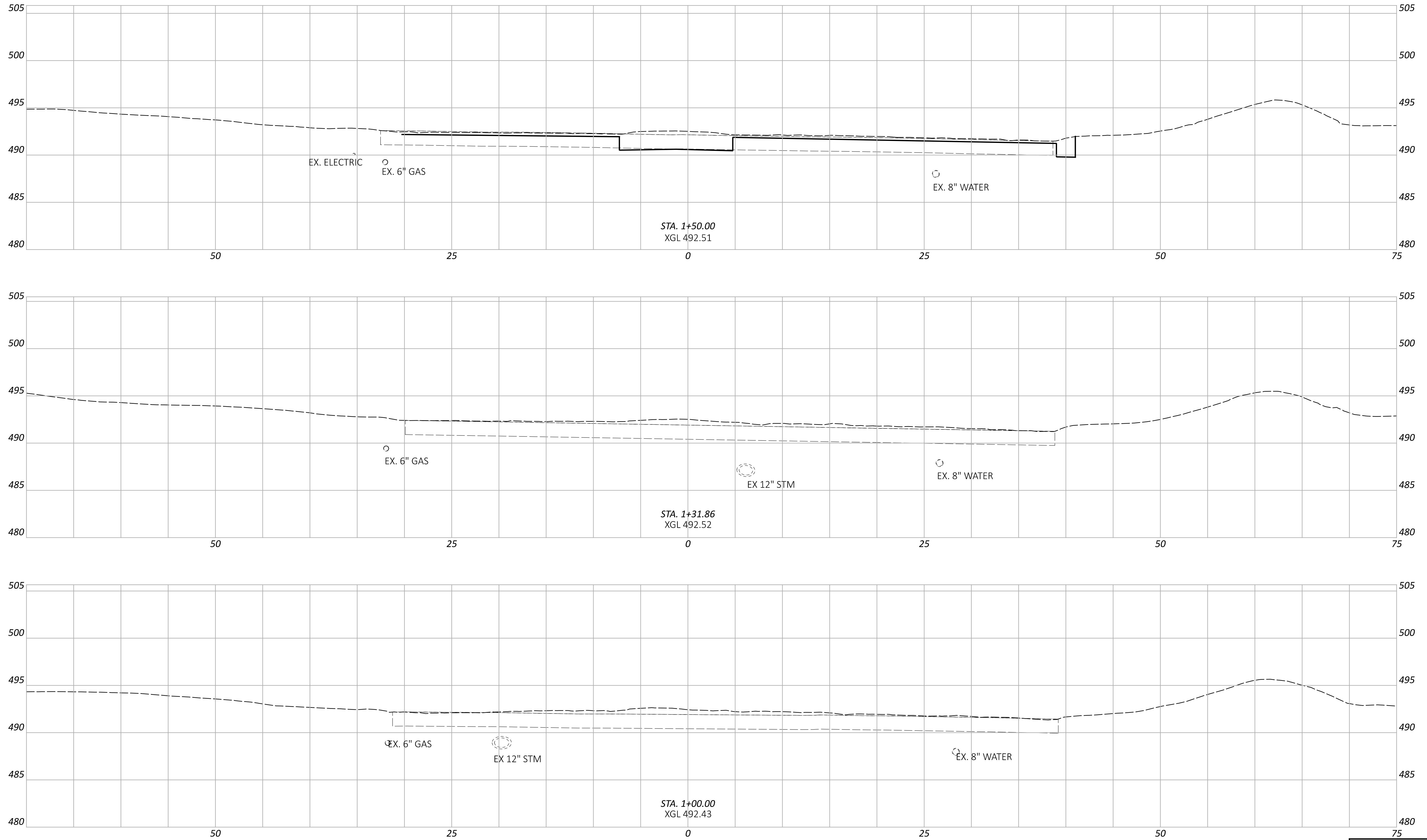
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill
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SHEET TOTAL	114161
P.126	463



CROSS SECTIONS - BANK ST
 STA 1+00.00 TO STA 1+50.00

DESIGN AGENCY



DESIGNER

SJB

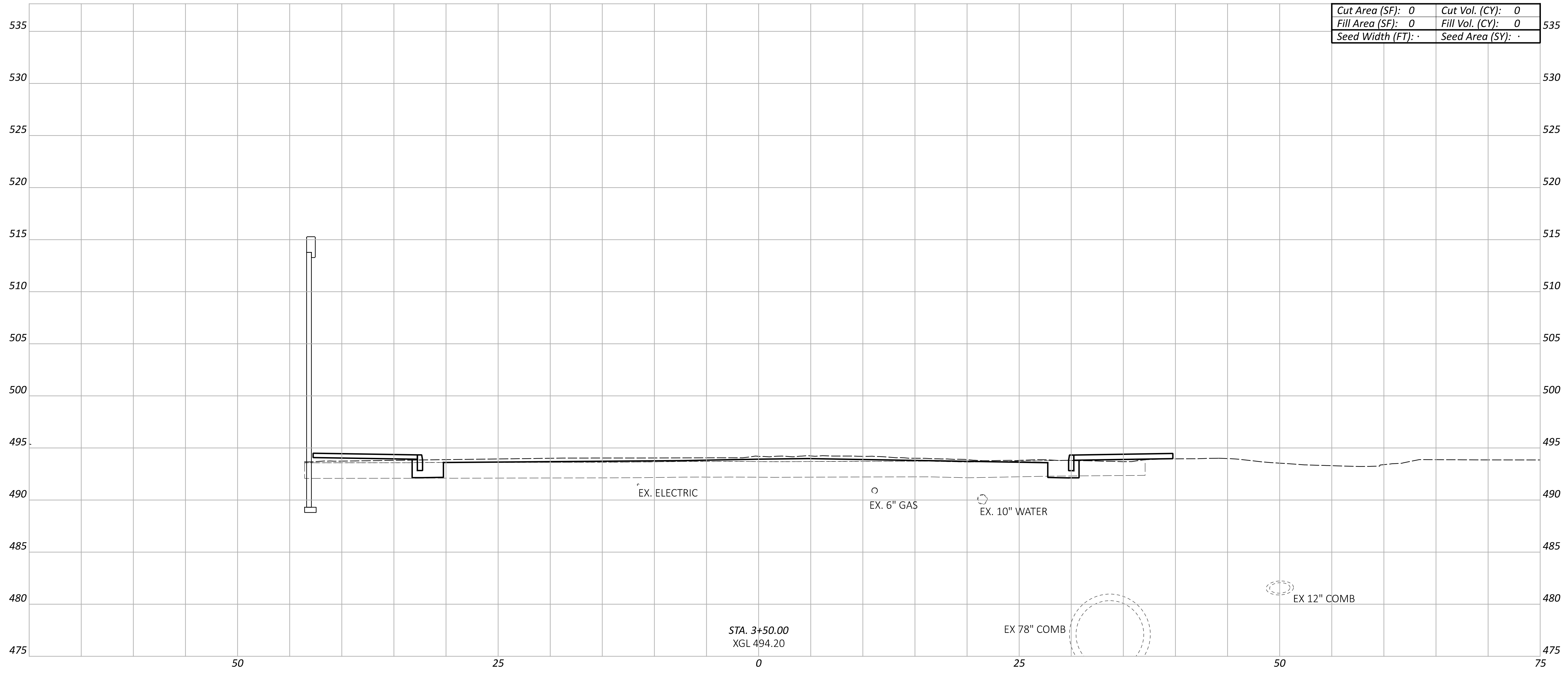
REVIEWER

MJR 06/21/24

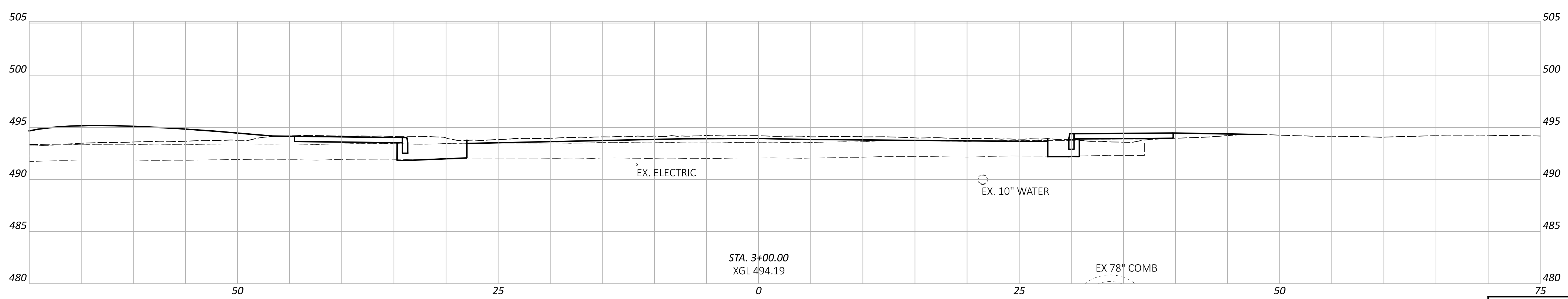
PROJECT ID

114161

Sheet Totals			TOTAL	
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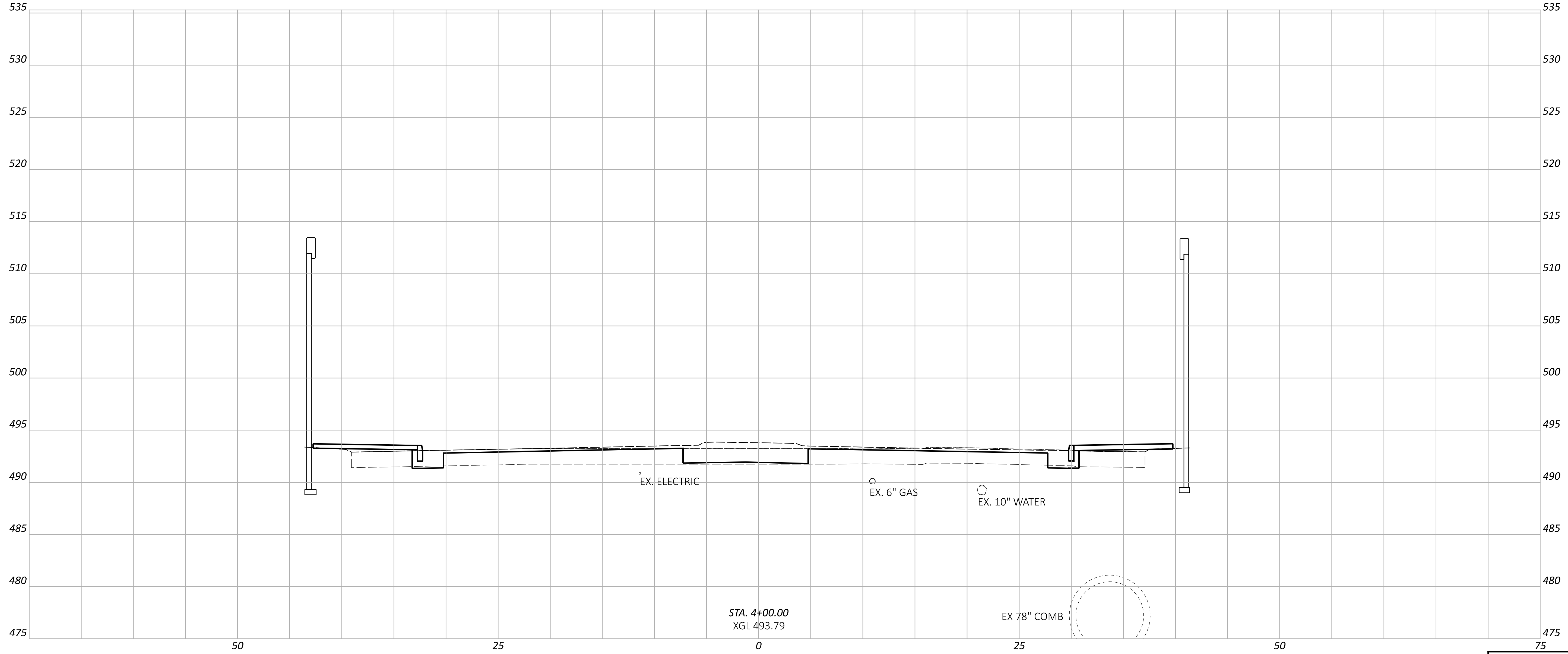
CROSS SECTIONS - BANK ST
 STA 3+00.00 TO STA 3+50.00

DESIGN AGENCY



DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.128 463



STA. 4+00.00
XGL 493.79

EX 78" COMB

CROSS SECTIONS - BANK ST
STA 4+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

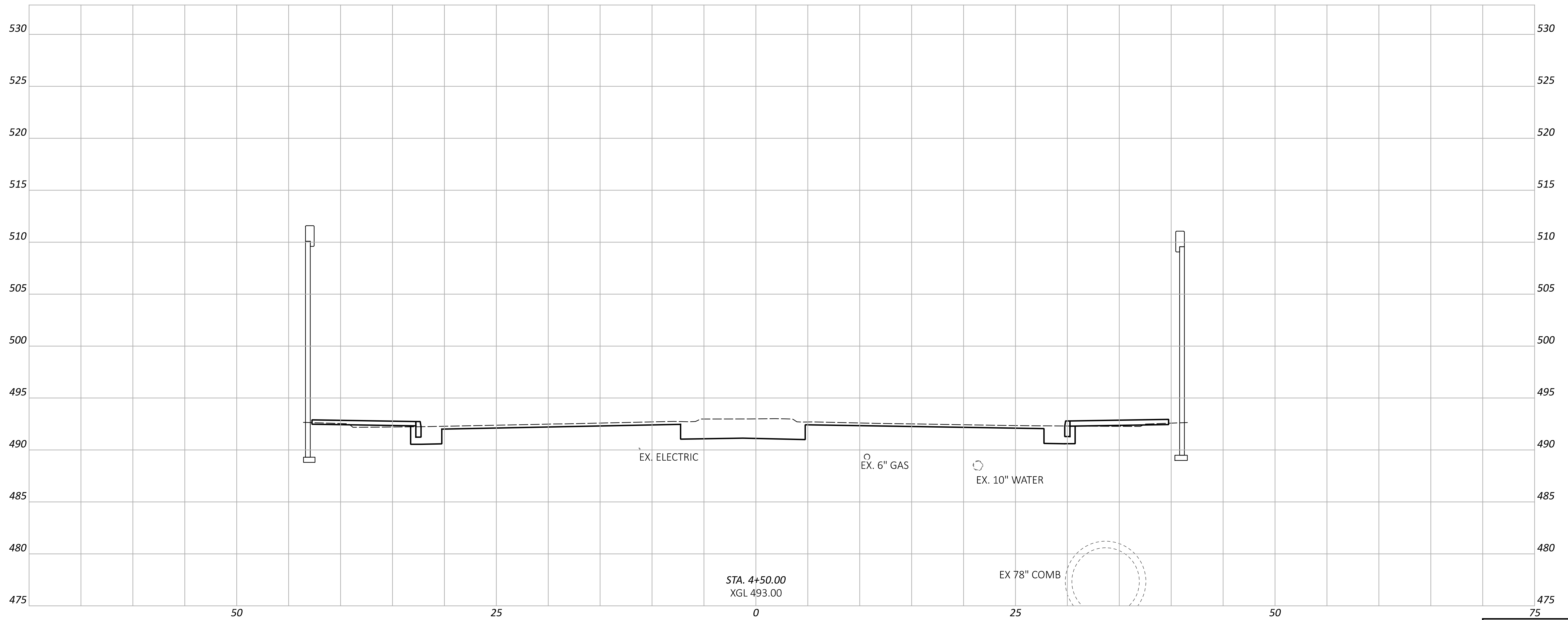
MJR 06/21/24

PROJECT ID

114161

Sheet Totals		
Seeding	Cut	Fill
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SHEET	TOTAL
P.129	463



CROSS SECTIONS - BANK ST
STA 4+50.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

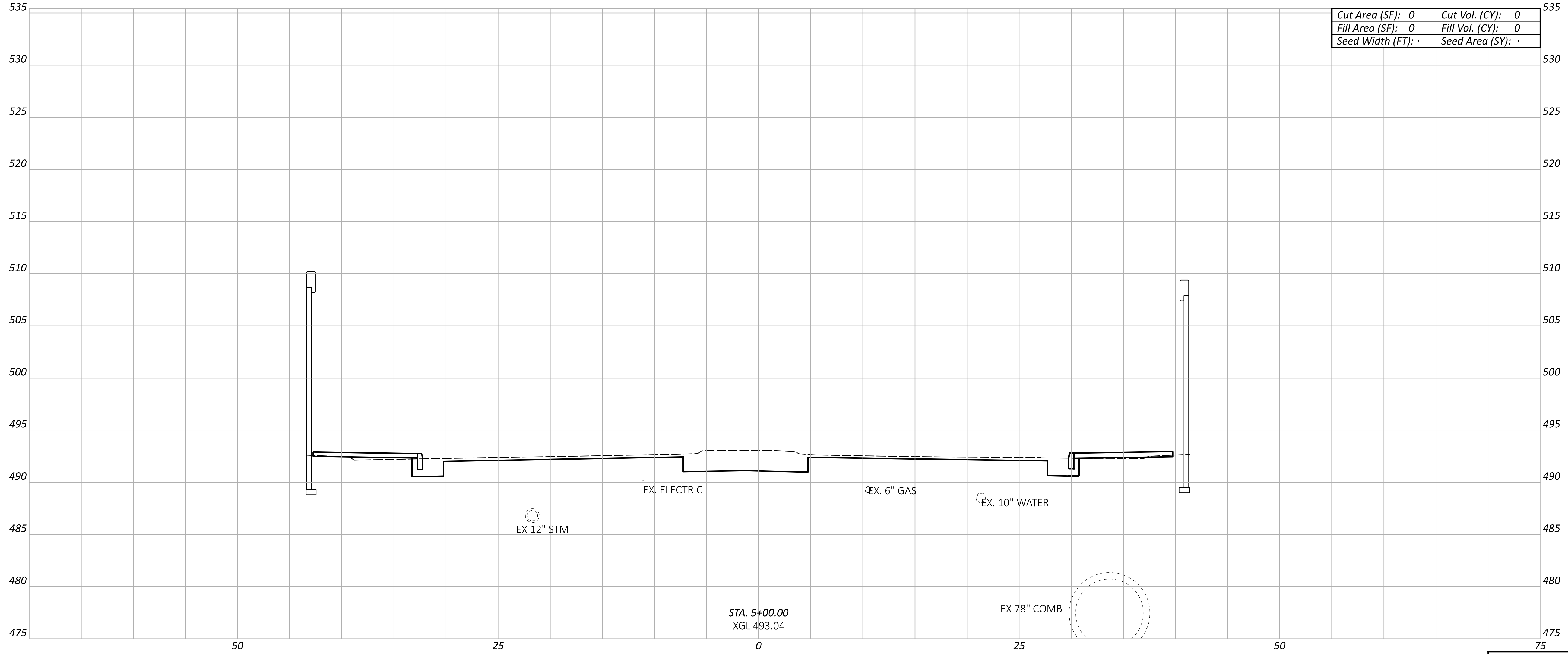
MJR 06/21/24

PROJECT ID

114161

Sheet Totals		
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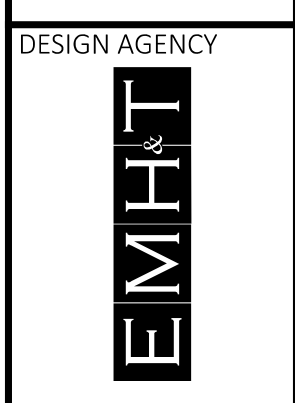
SHEET	TOTAL
P.130	463



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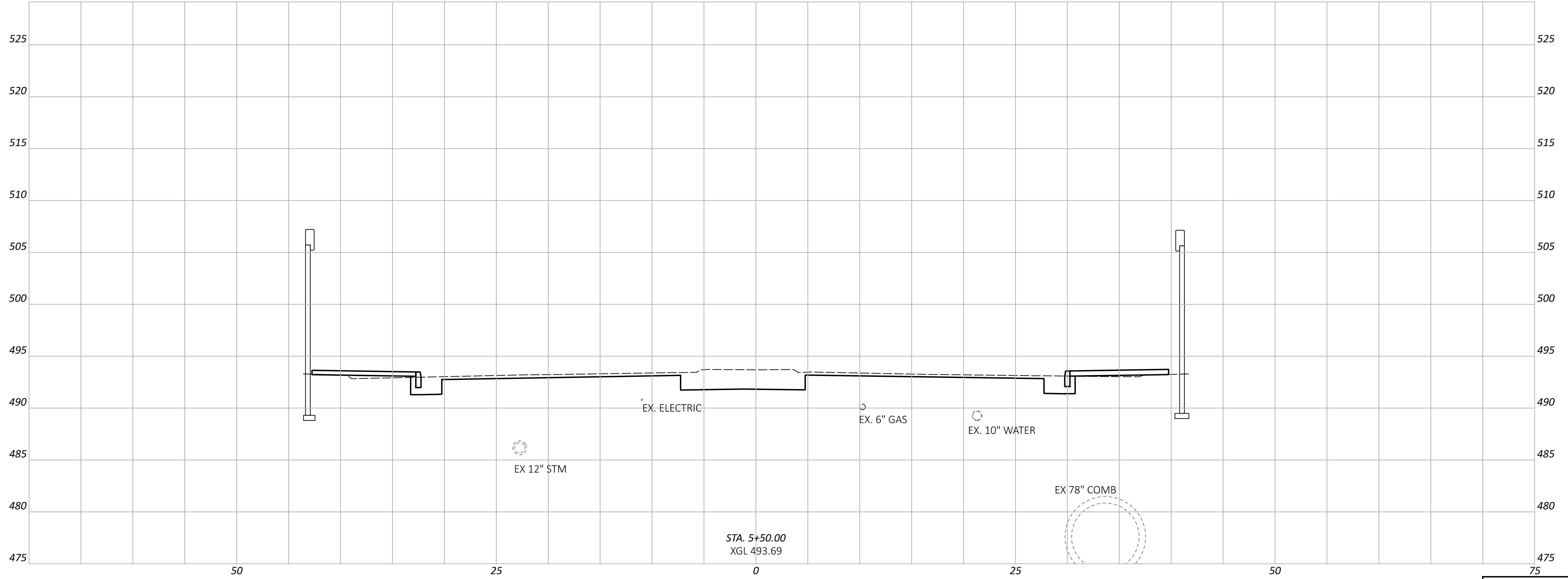
STA. 5+00.00
XGL 493.04

CROSS SECTIONS - BANK ST
STA 5+00.00



DESIGN AGENCY
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.131 463



STA. 5+50.00
XGL 493.69

CROSS SECTIONS - BANK ST
STA 5+50.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

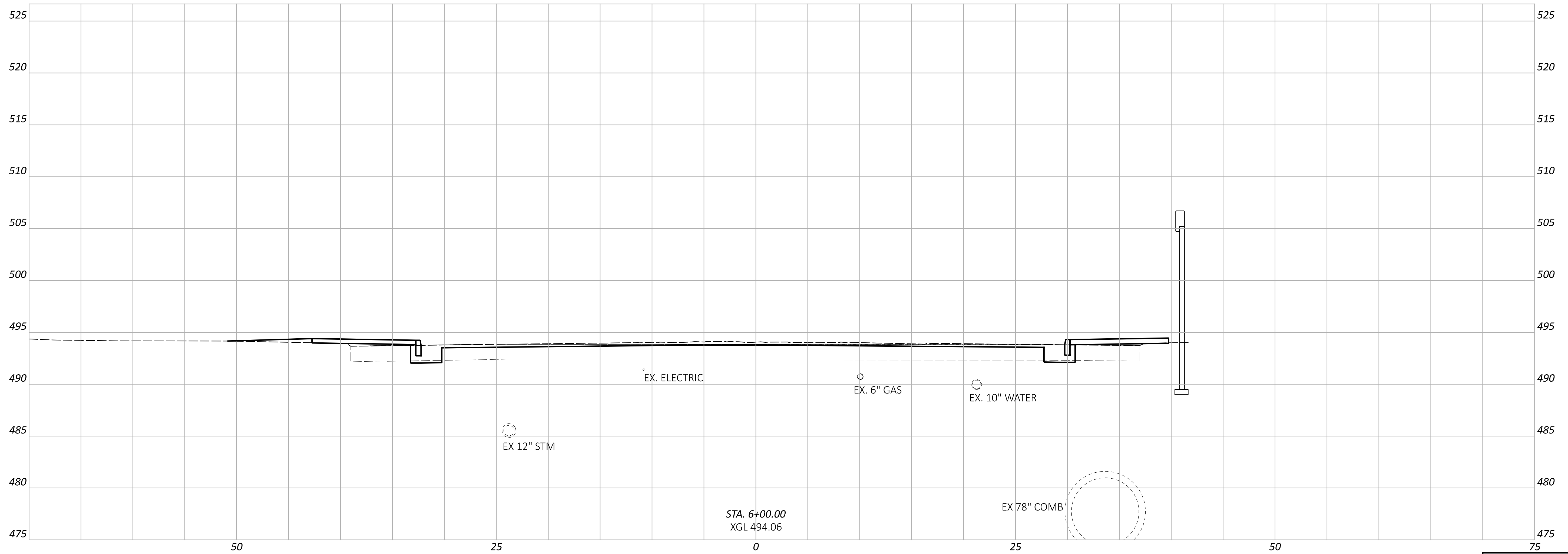
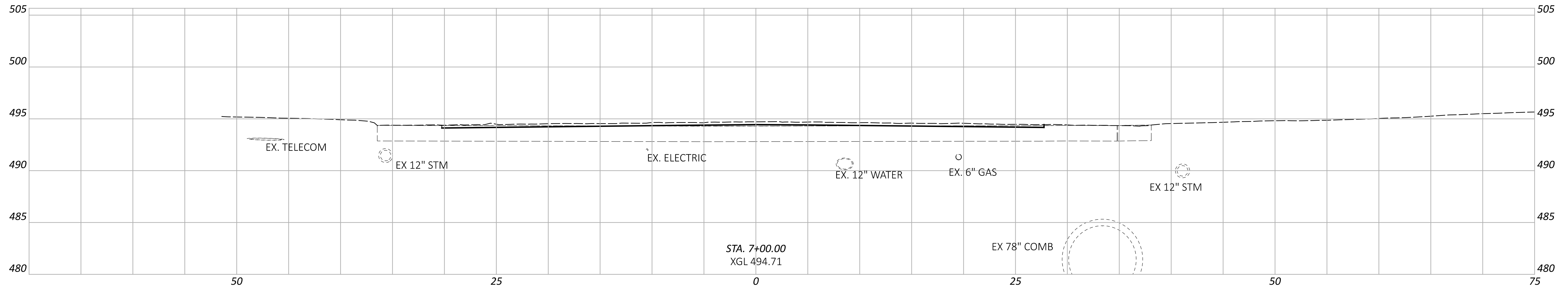
MJR 06/21/24

PROJECT ID

114161

Sheet Totals		
Seeding	Cut	Fill
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SHEET	TOTAL
P.132	463



CROSS SECTIONS - BANK ST
 STA 6+00.00 TO STA 7+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

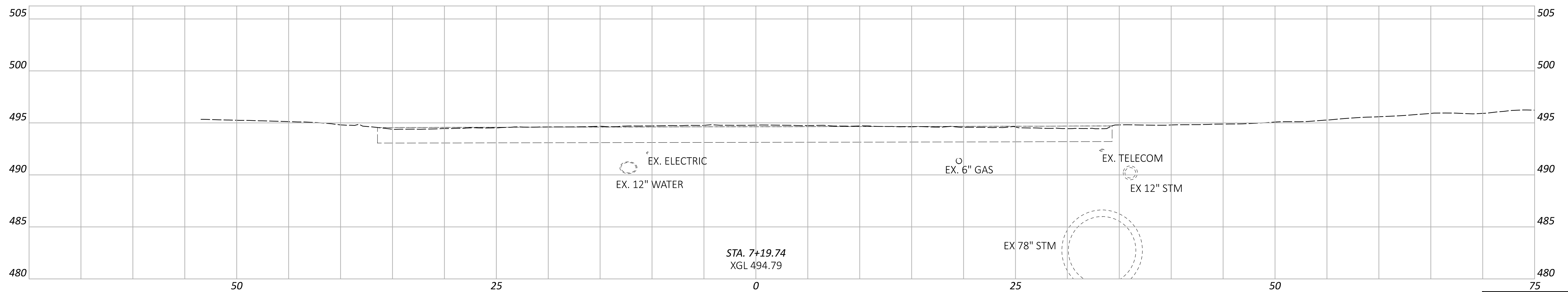
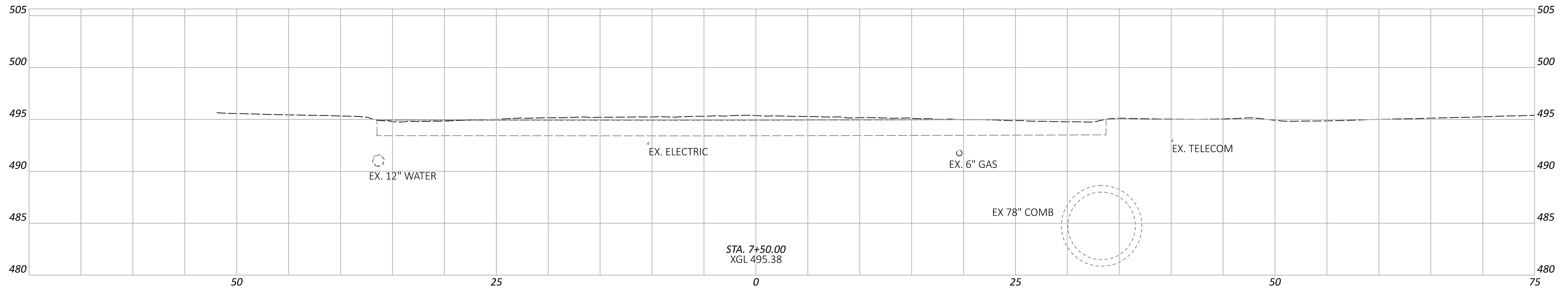
MJR 06/21/24

PROJECT ID

114161

Sheet Totals		
Seeding	Cut	Fill
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SHEET	TOTAL
P.133	463



CROSS SECTIONS - BANK ST
 STA 7+19.74 TO STA 7+50.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

PROJECT ID

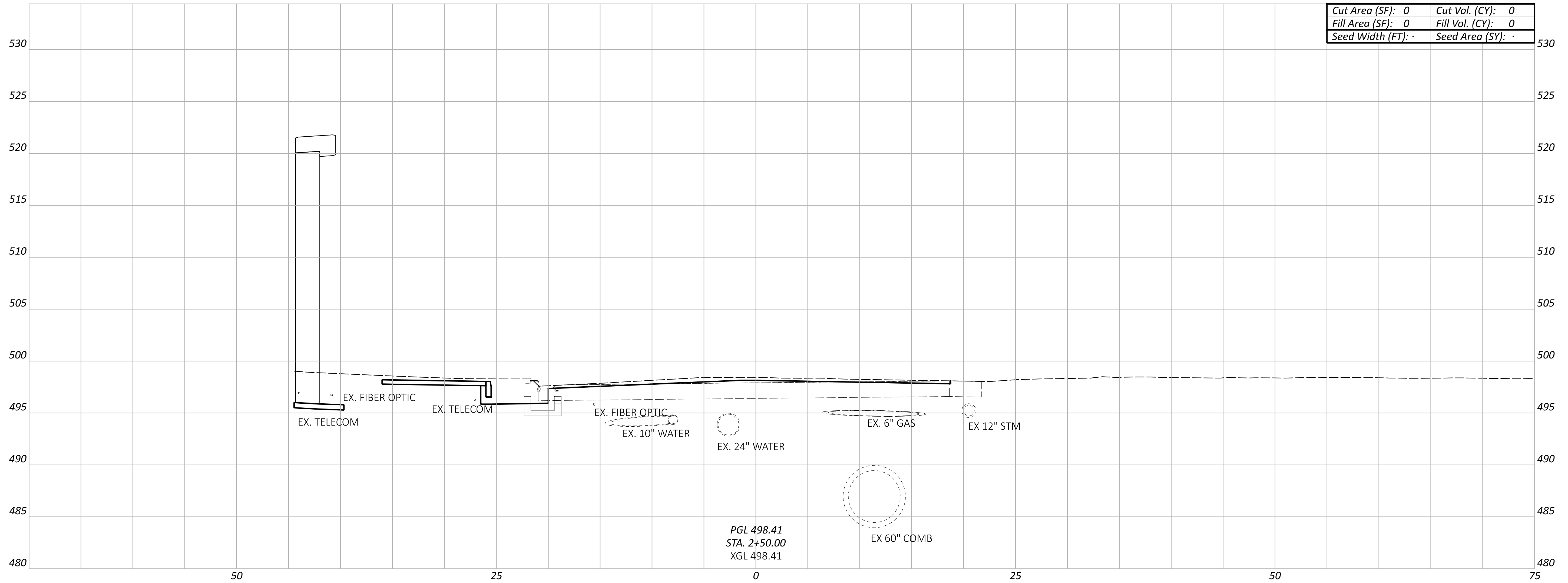
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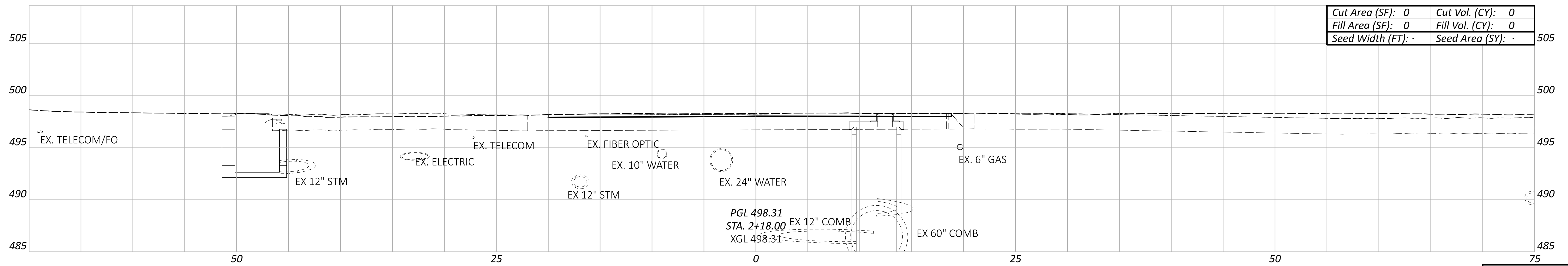
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SHEET TOTAL

P.134	463
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Cut Area (SF):	0	Cut Vol. (CY):	0
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CROSS SECTIONS - HARRISON AVE
 STA 2+18.00 TO STA 2+50.00

DESIGN AGENCY



DESIGNER

SJB

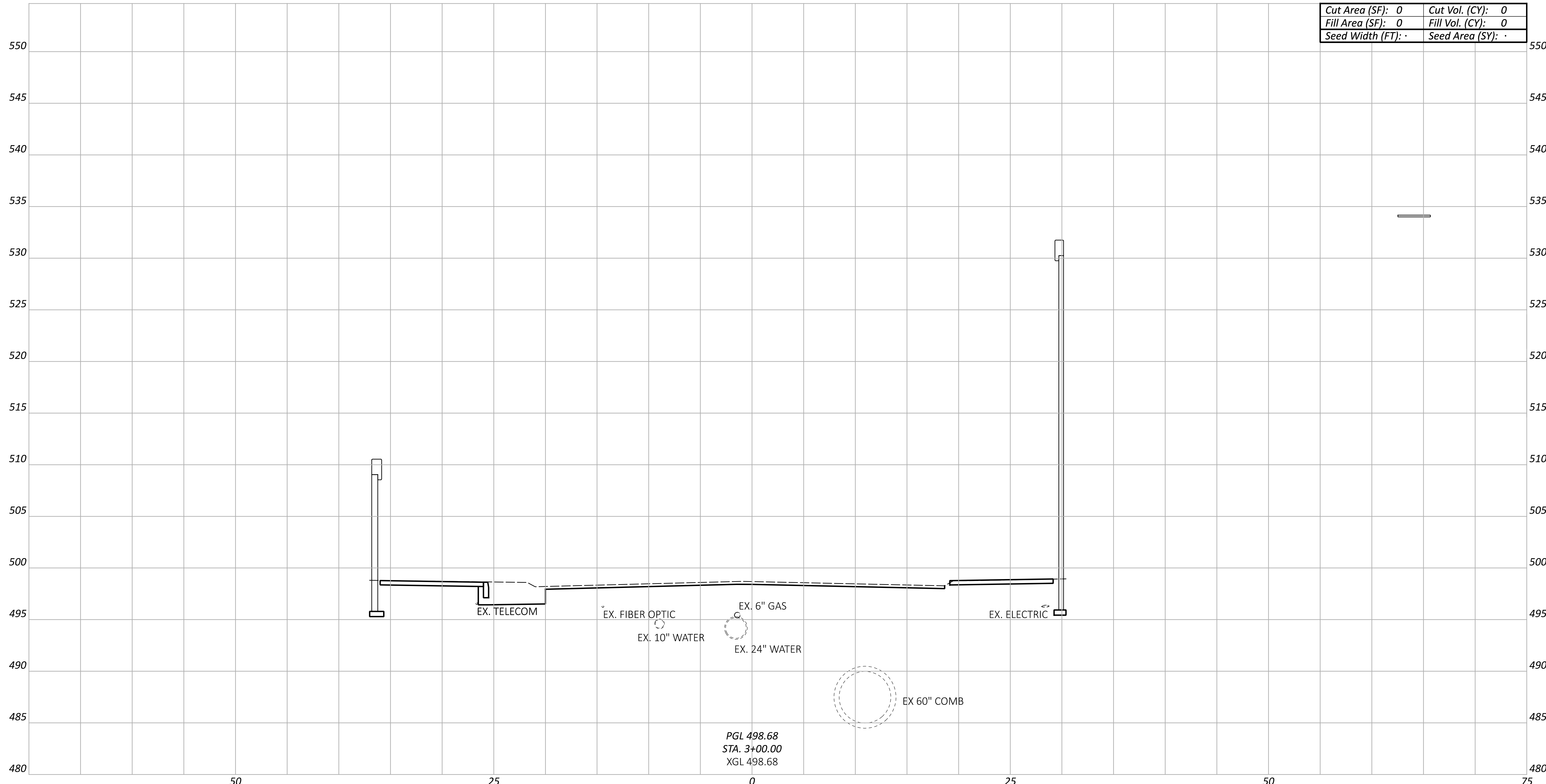
REVIEWER

MJR 06/21/24

PROJECT ID

114161

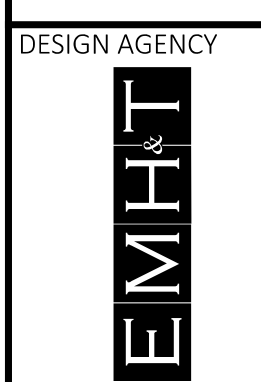
Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.135 463



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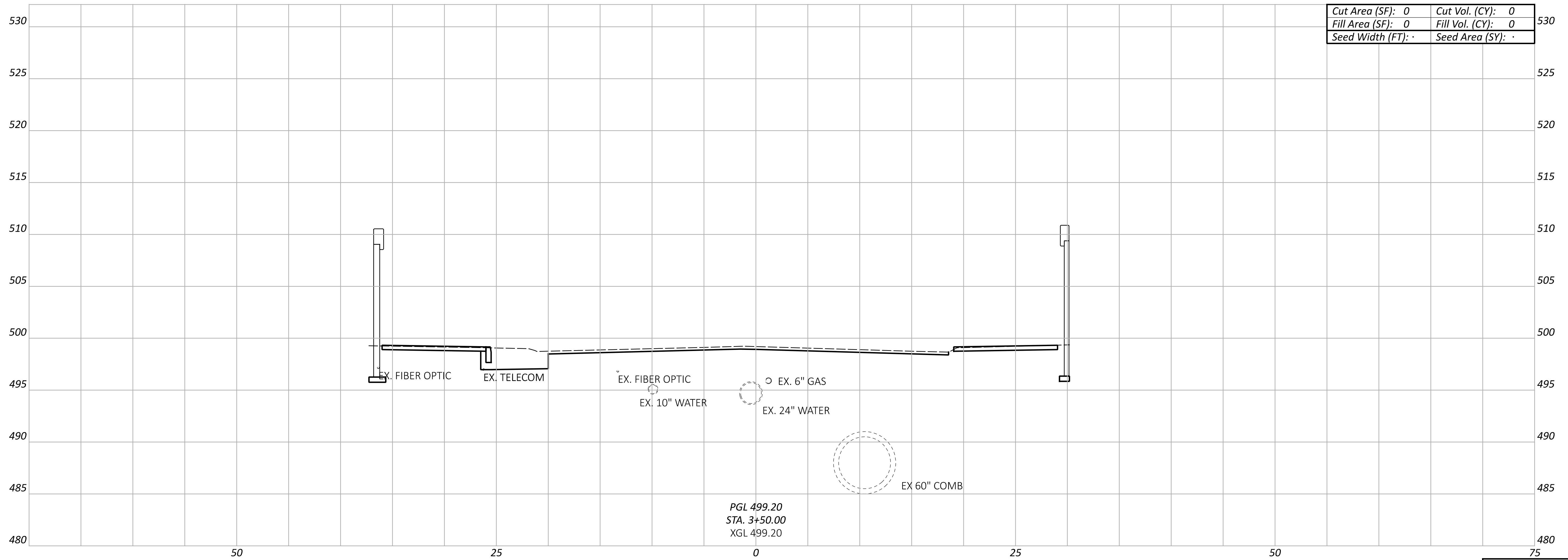
PGL 498.68
 STA. 3+00.00
 XGL 498.68

CROSS SECTIONS - HARRISON AVE
 STA 3+00.00



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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.136 463



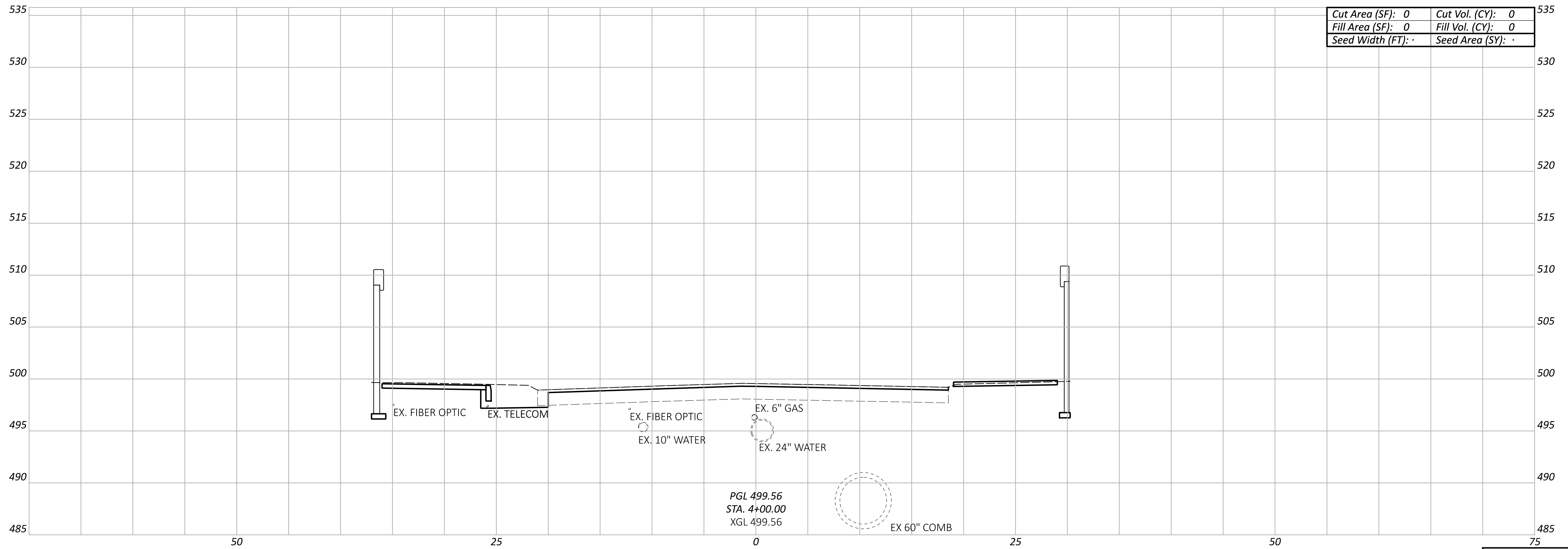
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PGL 499.20
 STA. 3+50.00
 XGL 499.20

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.137 463

DESIGN AGENCY
EMHT
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 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

CROSS SECTIONS - HARRISON AVE
 STA 3+50.00



PGL 499.56
 STA. 4+00.00
 XGL 499.56

EX 60" COMB

CROSS SECTIONS - HARRISON AVE
 STA 4+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

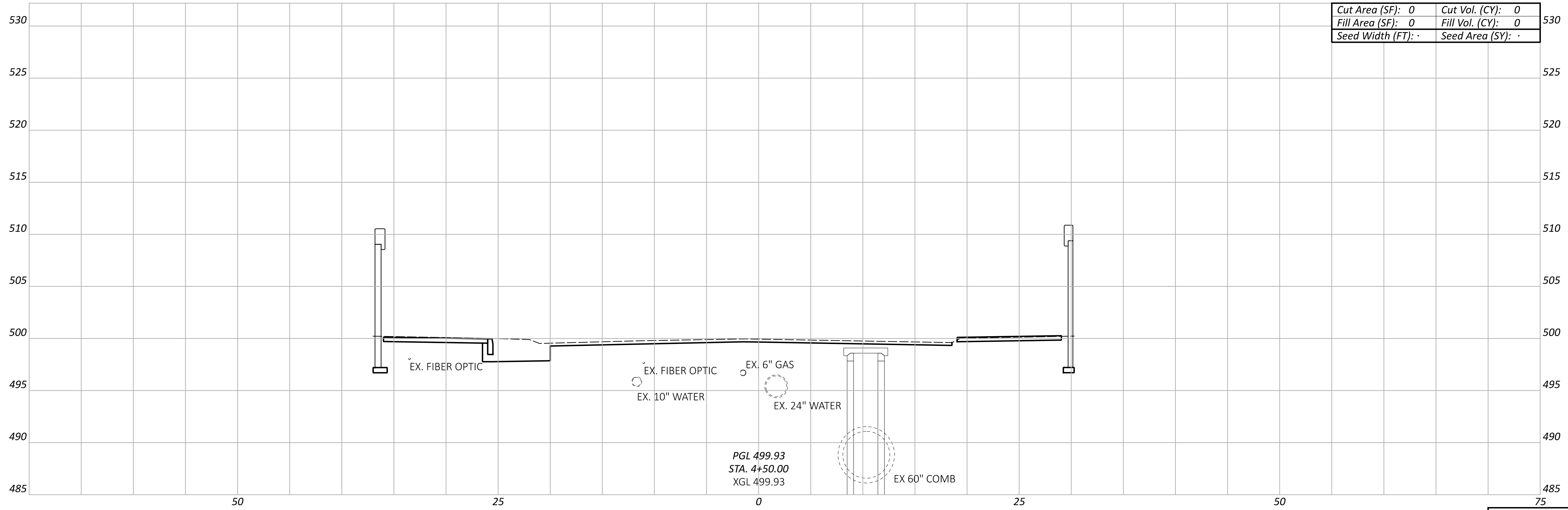
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill
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SHEET	TOTAL
P.138	463



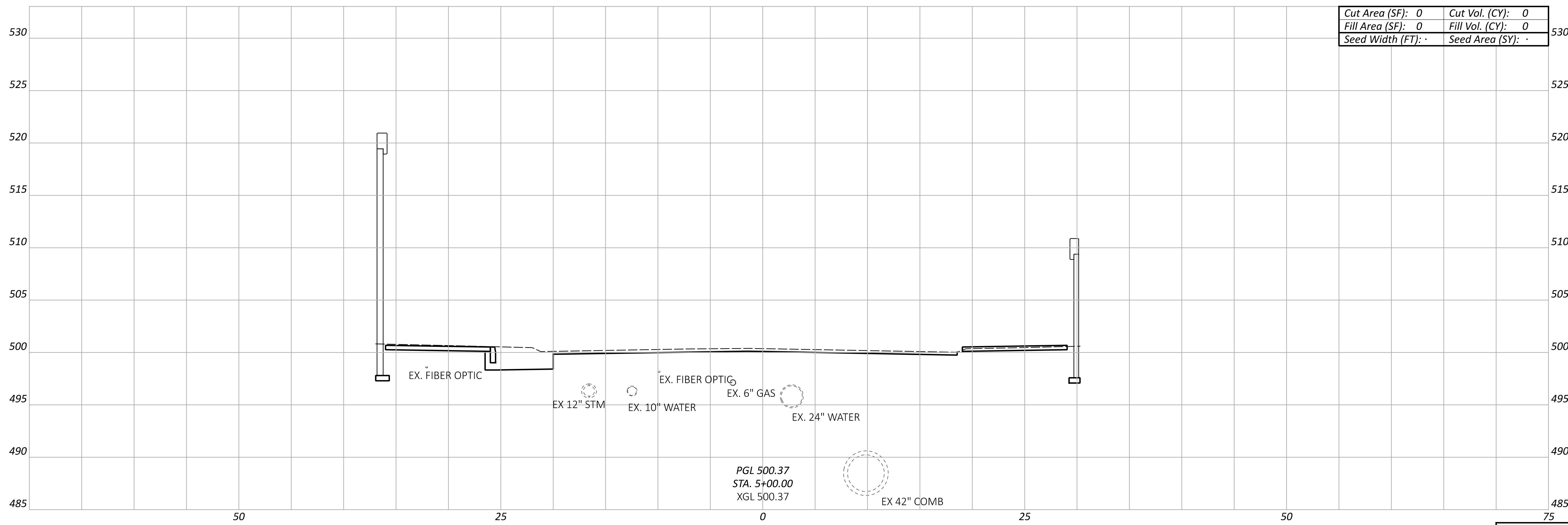
PGL 499.93
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 XGL 499.93

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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.139 463

CROSS SECTIONS - HARRISON AVE
 STA 4+50.00

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

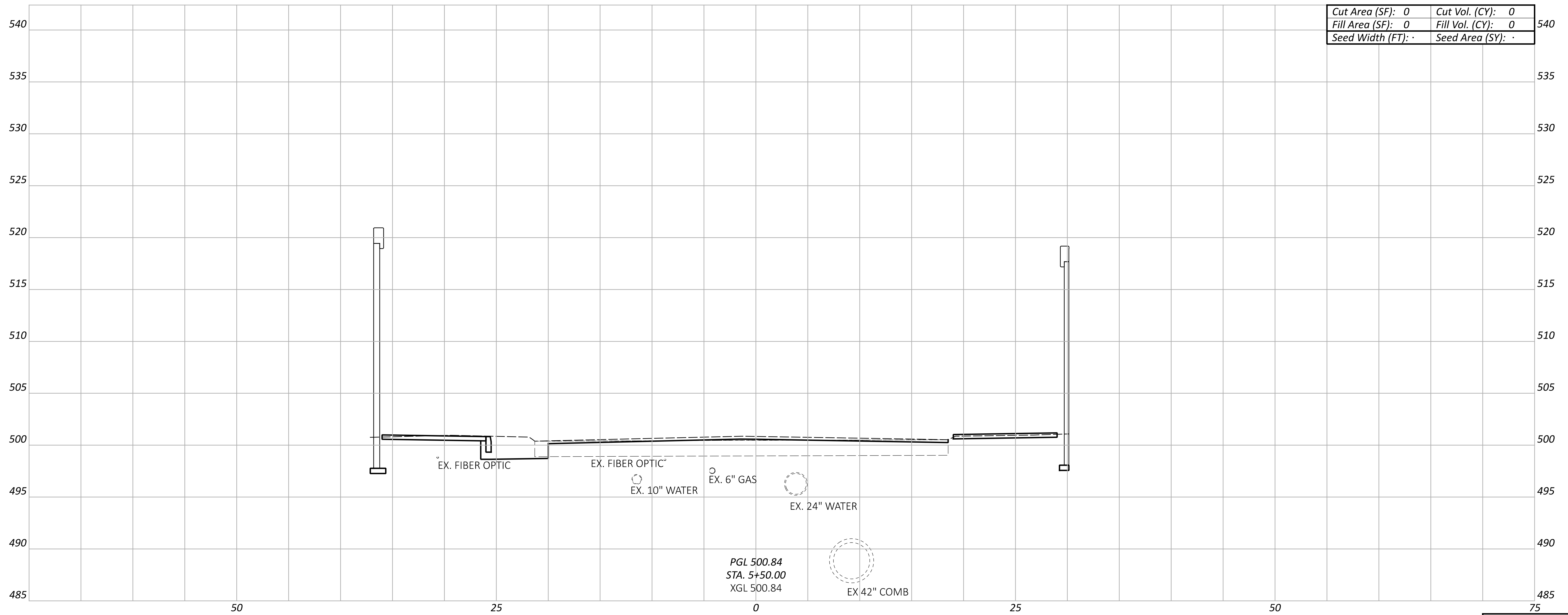


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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.140 463

CROSS SECTIONS - HARRISON AVE
 STA 5+00.00

DESIGN AGENCY
EMHT
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 114161



CROSS SECTIONS - HARRISON AVE
STA 5+50.00

DESIGN AGENCY



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MJR 06/21/24

PROJECT ID

114161

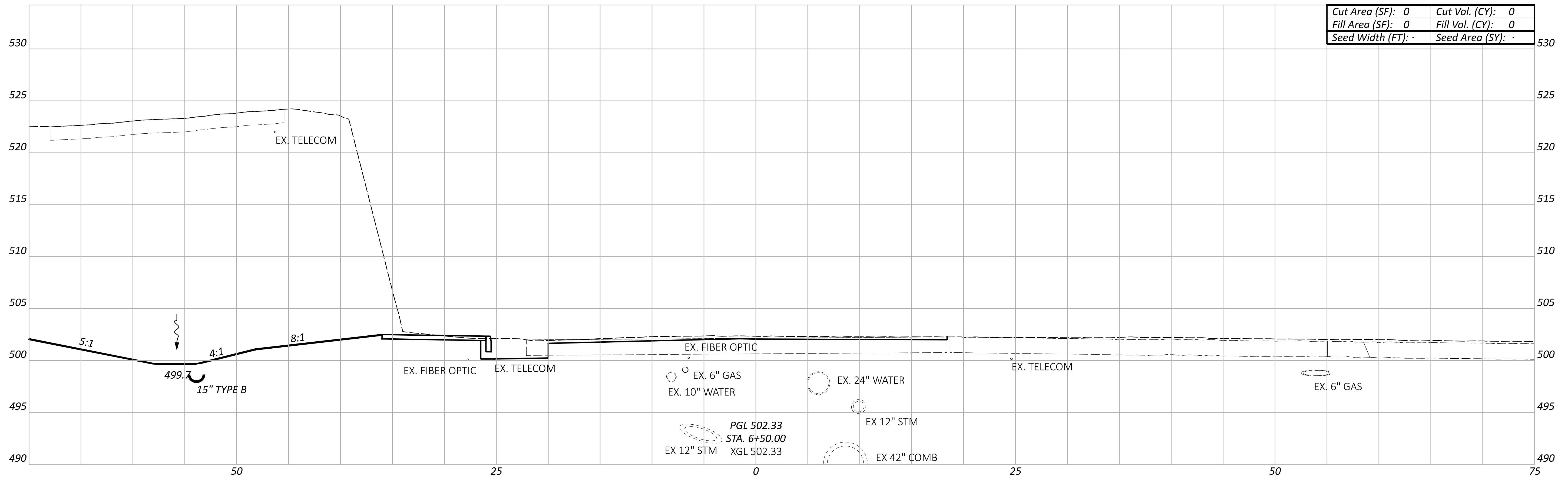
Sheet Totals

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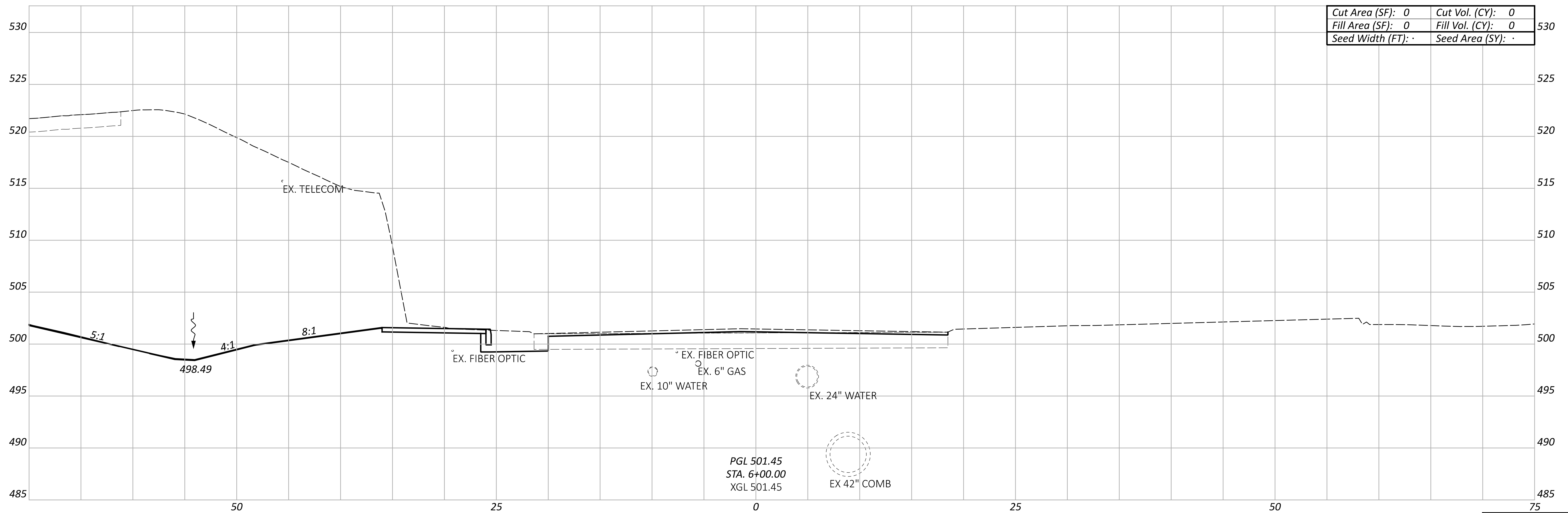
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SHEET TOTAL

P.141 463



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Seed Width (FT):	.	Seed Area (SY):	.



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CROSS SECTIONS - HARRISON AVE
 STA 6+00.00 TO STA 6+50.00

DESIGN AGENCY



DESIGNER

SJB

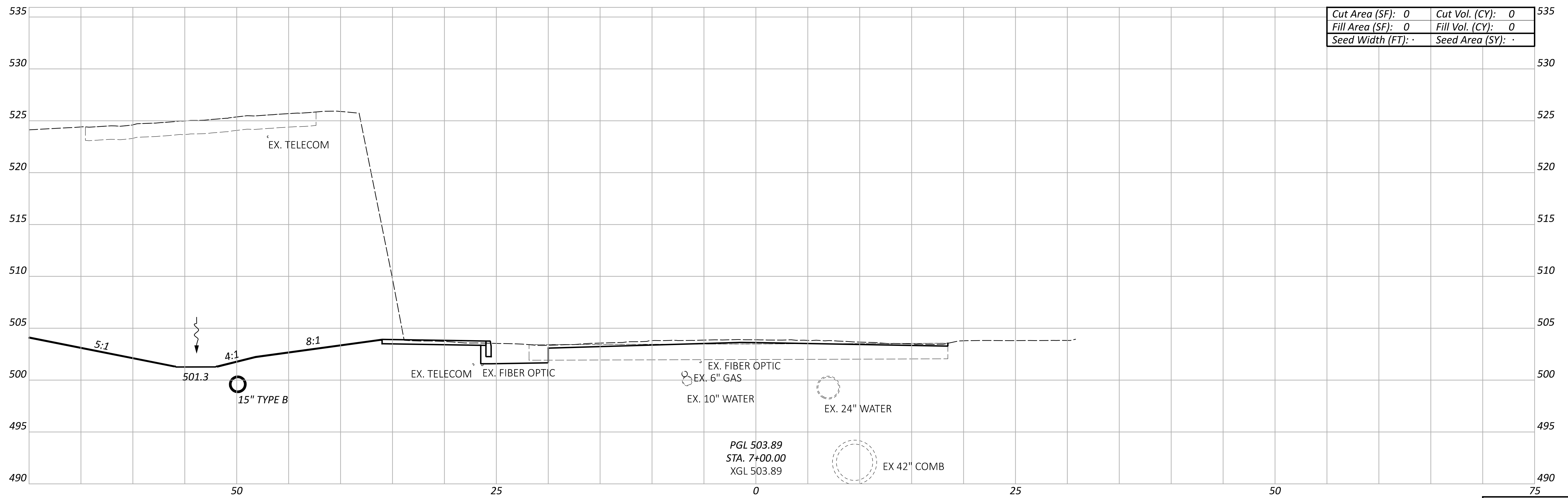
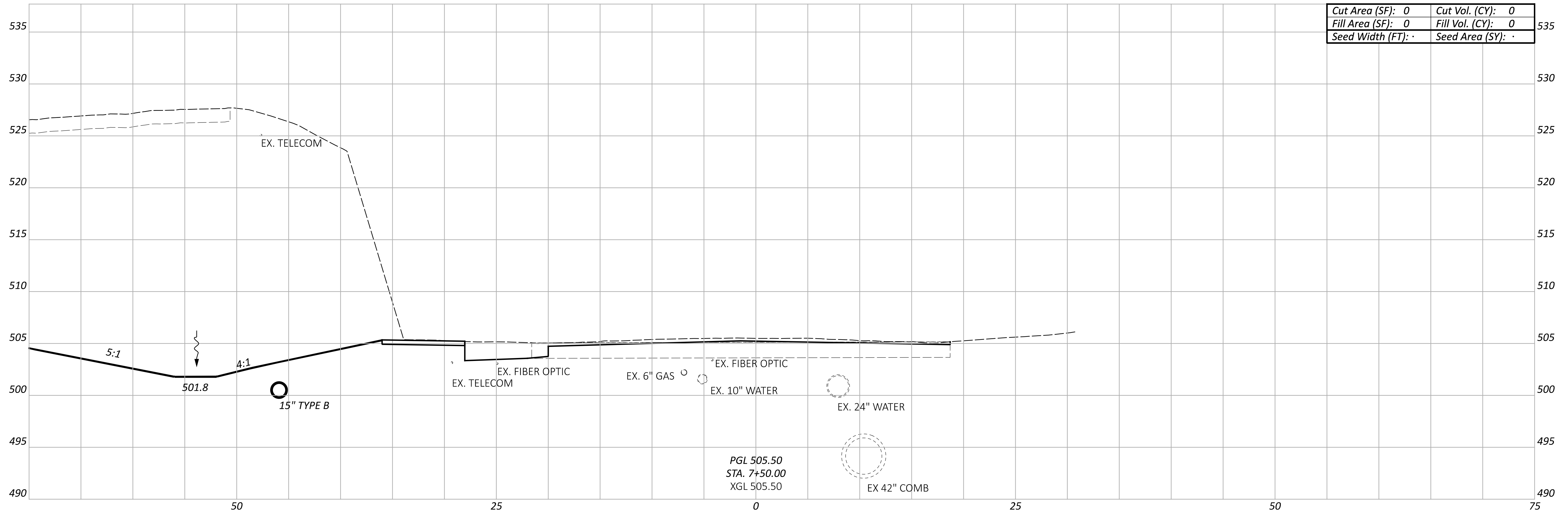
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.142 463



CROSS SECTIONS - HARRISON AVE
 STA 7+00.00 TO STA 7+50.00

DESIGN AGENCY



DESIGNER

SJB

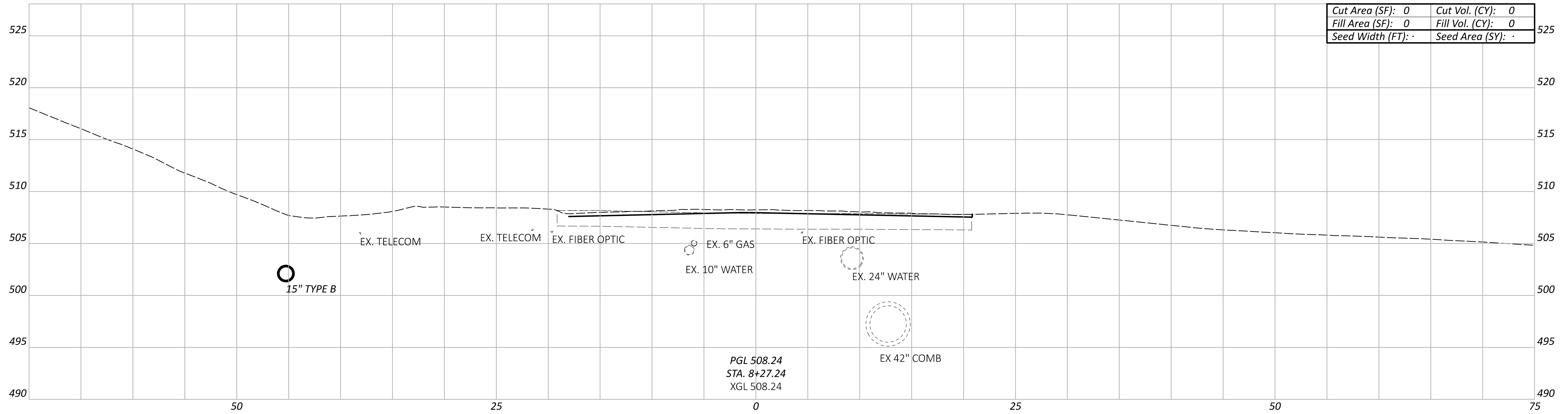
REVIEWER

MJR 06/21/24

PROJECT ID

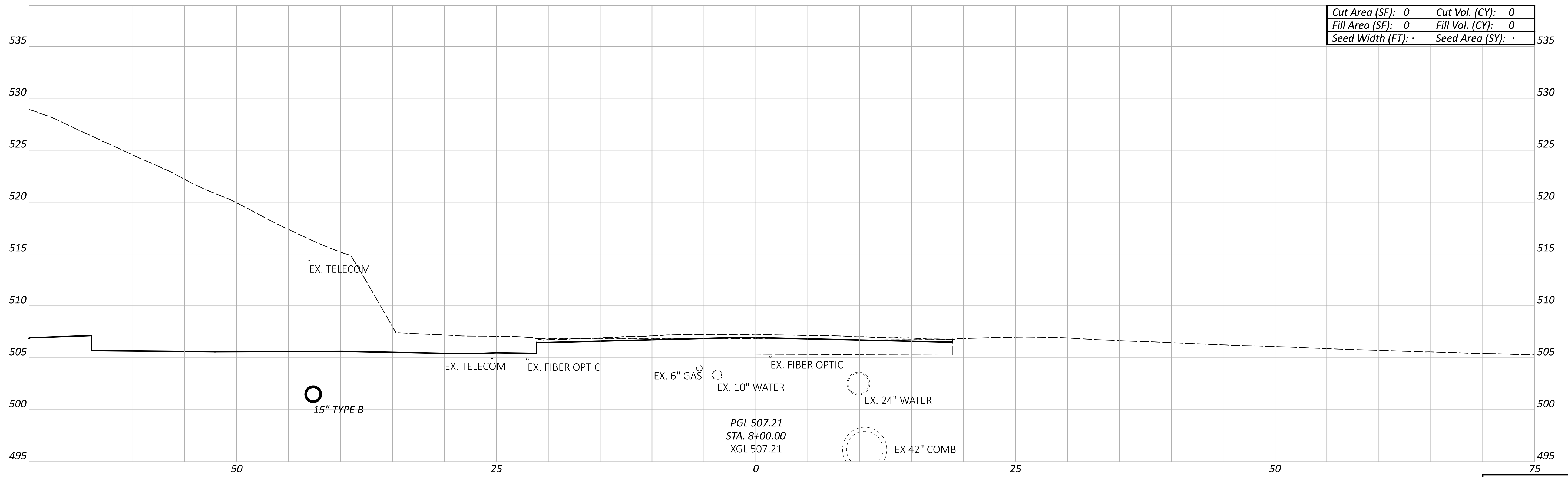
114161

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.143 463



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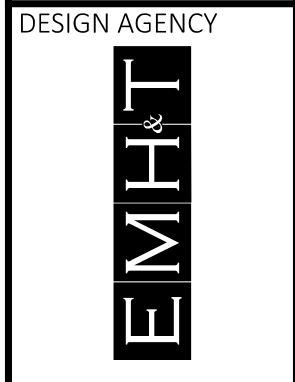
PGL 508.24
 STA. 8+27.24
 XGL 508.24



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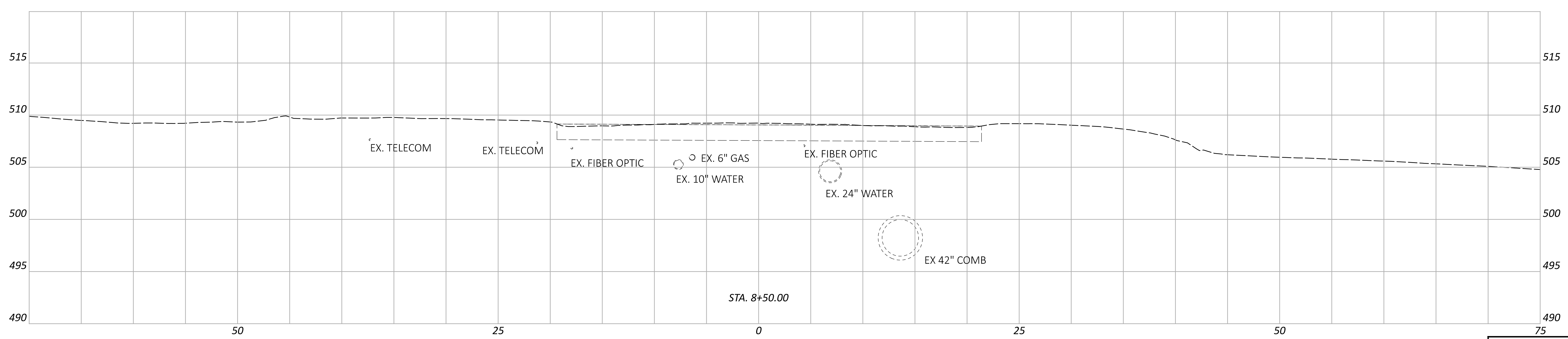
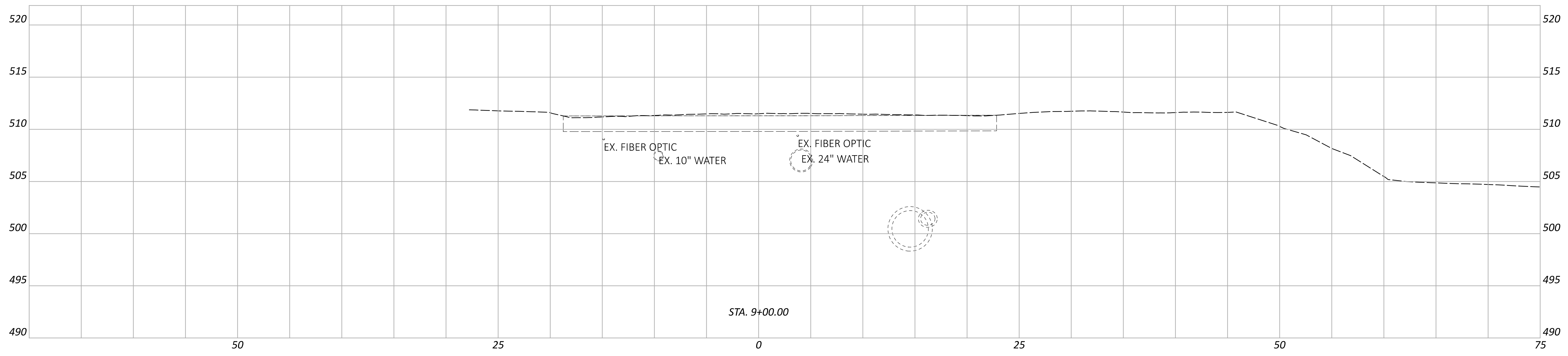
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 STA. 8+00.00
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CROSS SECTIONS - HARRISON AVE
 STA 8+00.00 TO STA 8+27.24




DESIGN AGENCY
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID

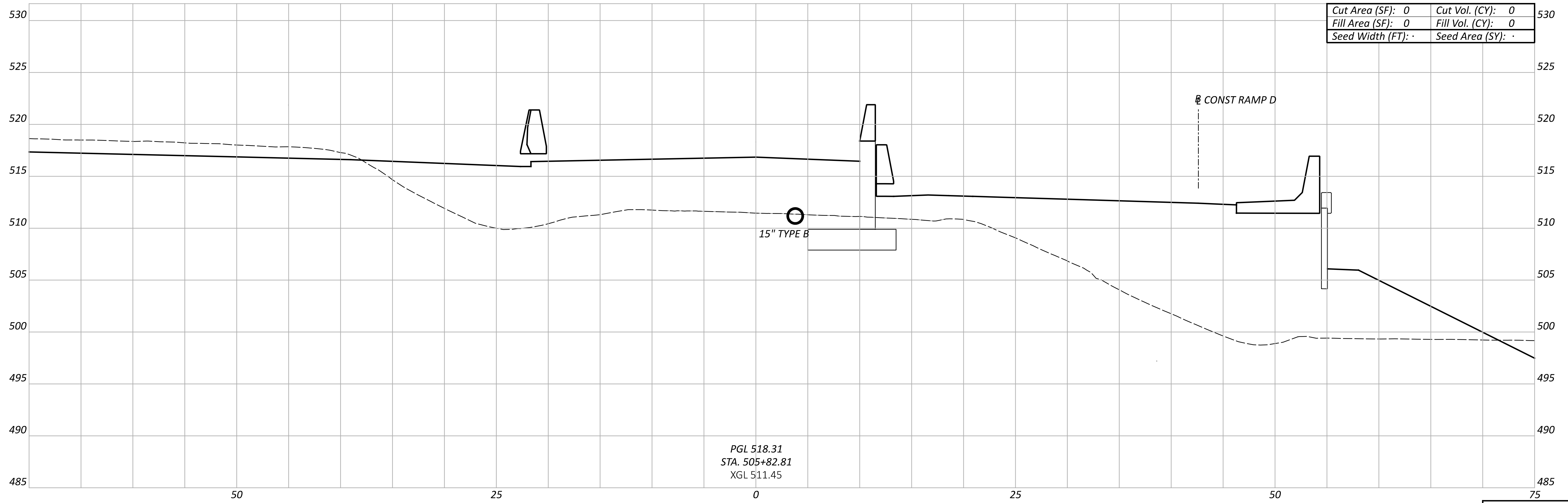
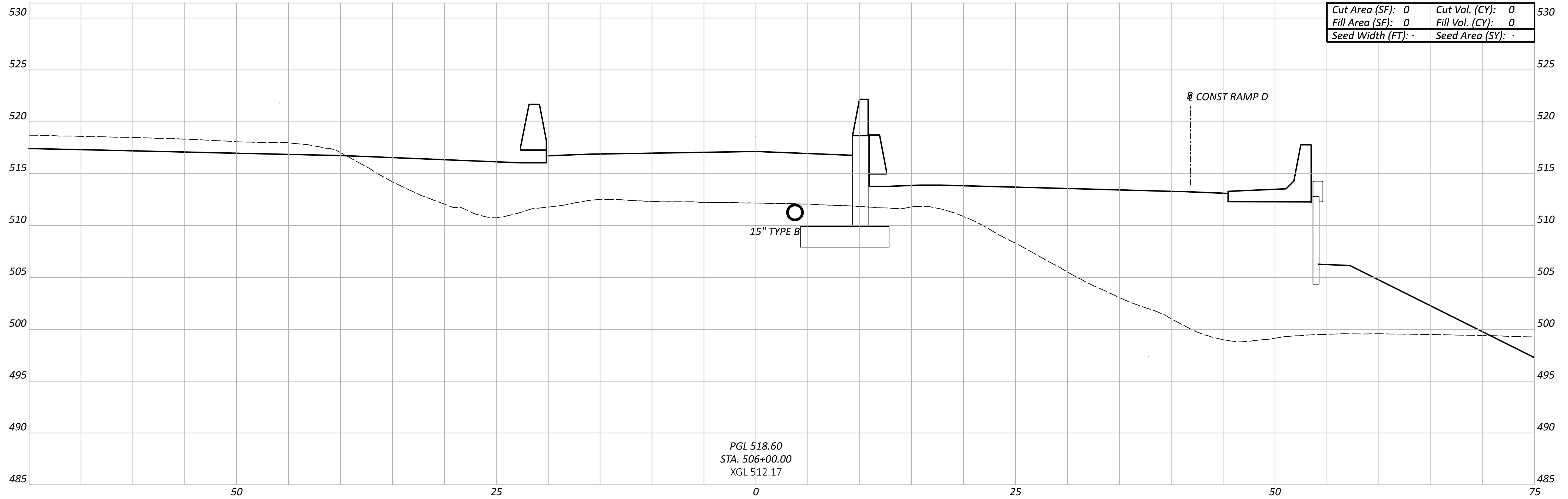
Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.144 463



CROSS SECTIONS - HARRISON AVE
STA 8+50.00 TO STA 9+00.00

DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.145	463



CROSS SECTIONS - RAMP A
 STA 505+82.81 TO STA 506+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

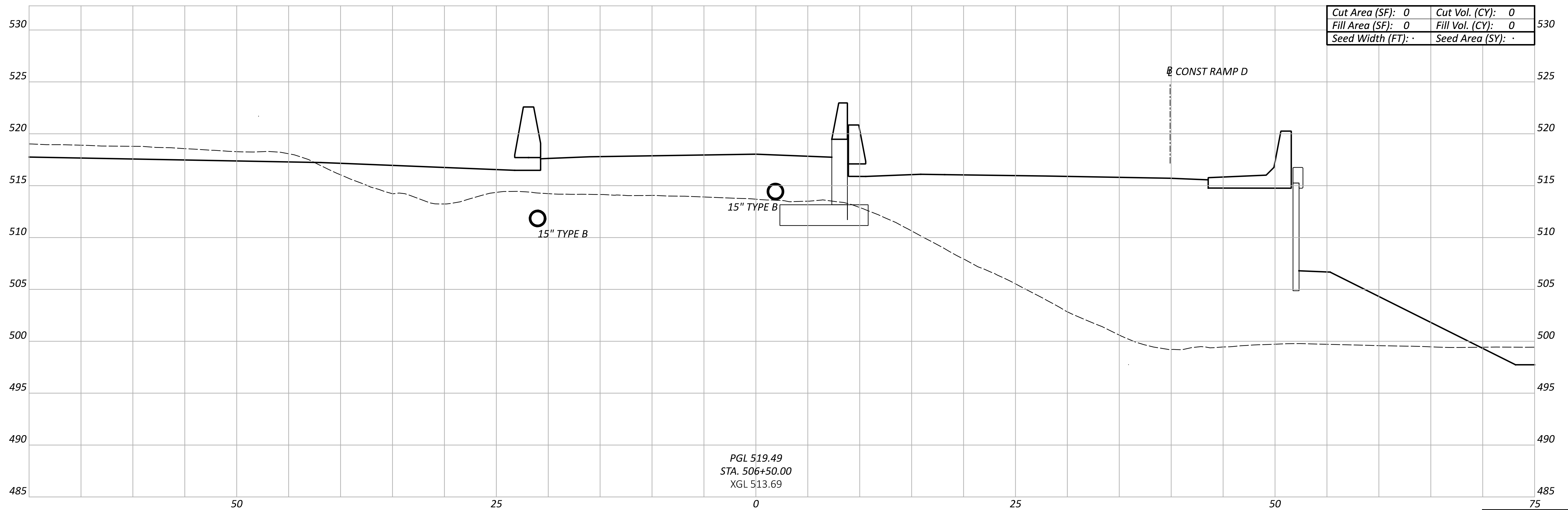
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill
.	.	.

SHEET	TOTAL
P.146	463



PGL 519.49
STA. 506+50.00
XGL 513.69

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Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.147	463

DESIGN AGENCY



DESIGNER

SJB

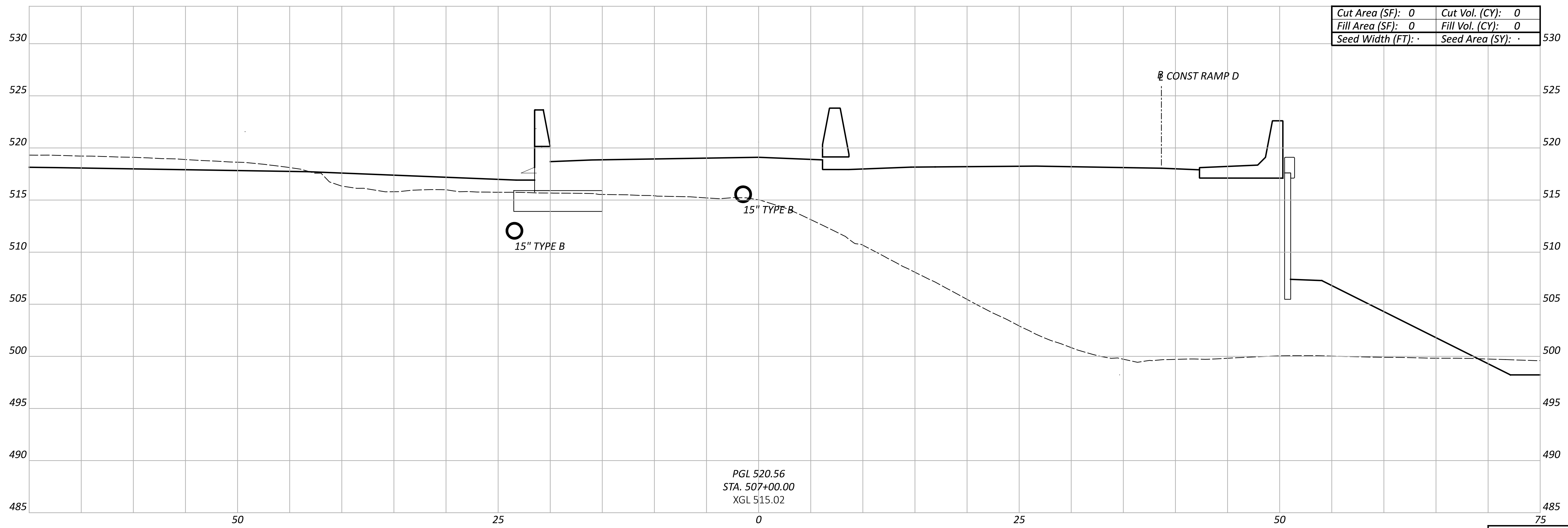
REVIEWER

MJR 06/21/24

PROJECT ID

114161

CROSS SECTIONS - RAMP A
STA 506+50.00



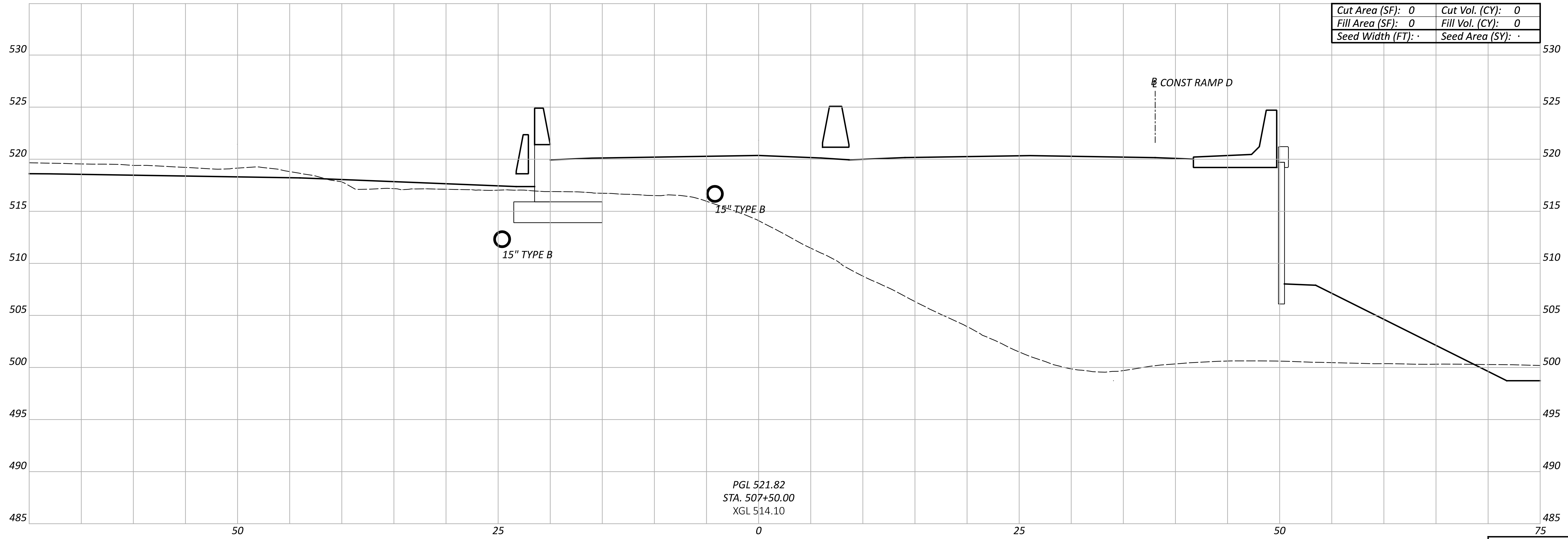
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PGL 520.56
 STA. 507+00.00
 XGL 515.02

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
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DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID

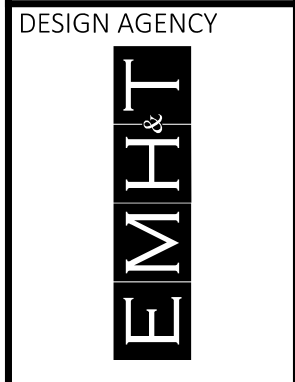
CROSS SECTIONS - RAMP A
 STA 507+00.00



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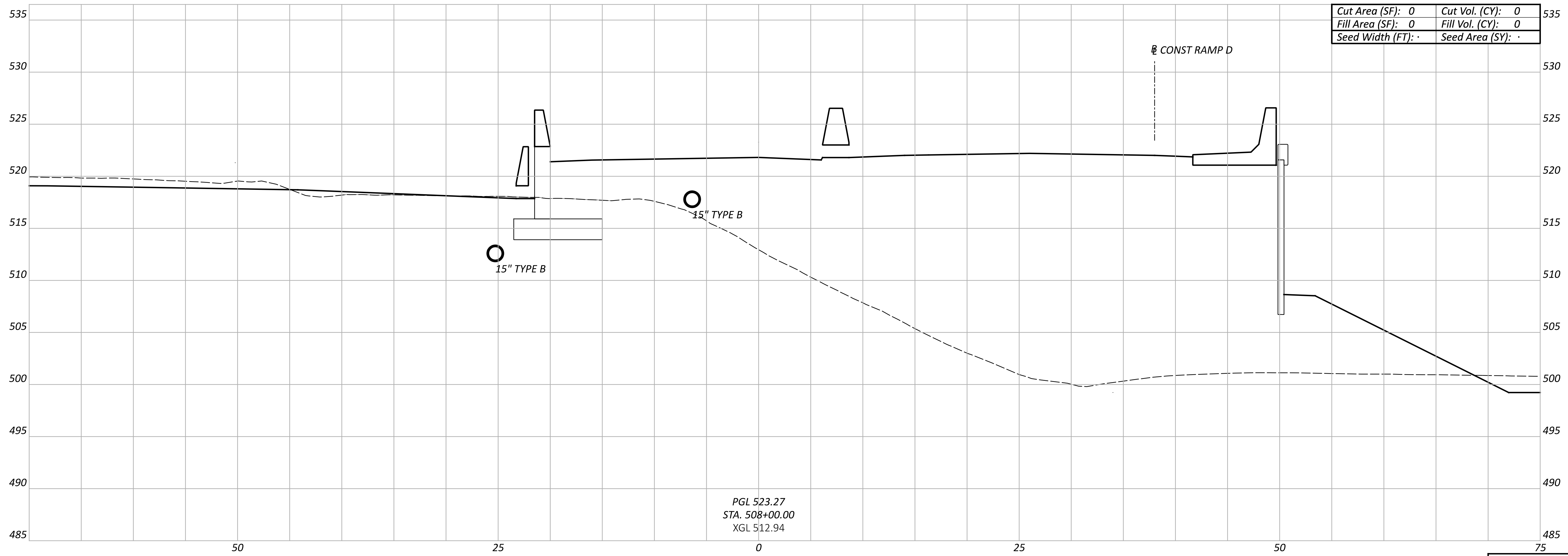
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 STA. 507+50.00
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CROSS SECTIONS - RAMP A
 STA 507+50.00



DESIGN AGENCY
 SJB
 REVIEWER
 MJR 06/21/24


Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.149 463



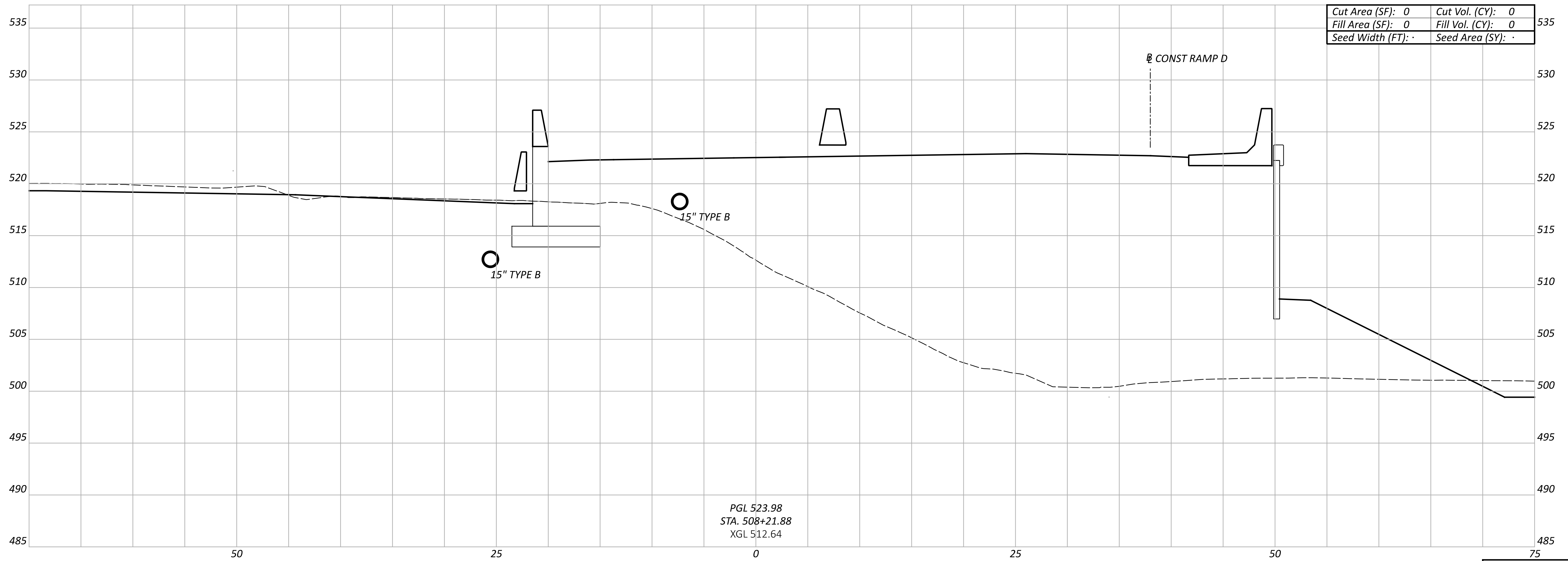
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Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.150	463

DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID

CROSS SECTIONS - RAMP A
 STA 508+00.00



PGL 523.98
 STA. 508+21.88
 XGL 512.64

Cut Area (SF): 0	Cut Vol. (CY): 0
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Sheet Totals			114161	
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DESIGN AGENCY



DESIGNER

SJB

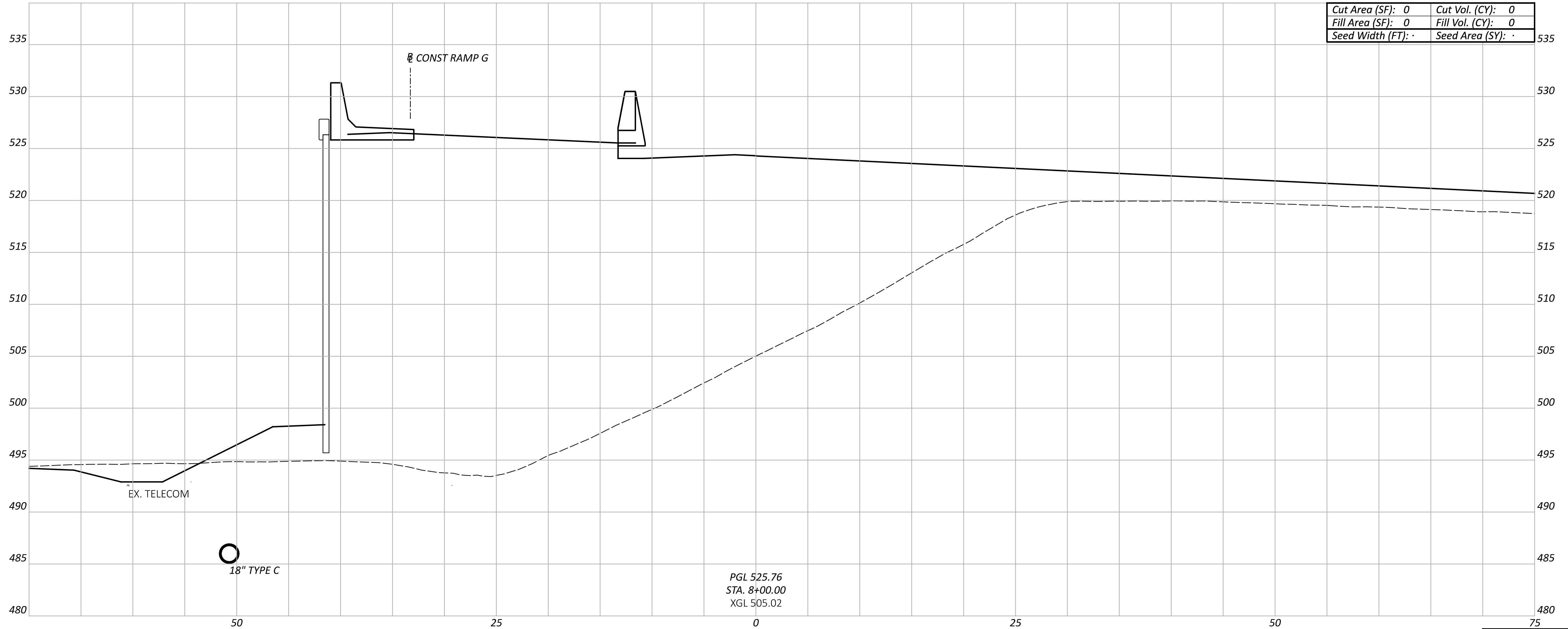
REVIEWER

MJR 06/21/24

PROJECT ID

114161

CROSS SECTIONS - RAMP A
 STA 508+21.88



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

CROSS SECTIONS - RAMP B
STA 8+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

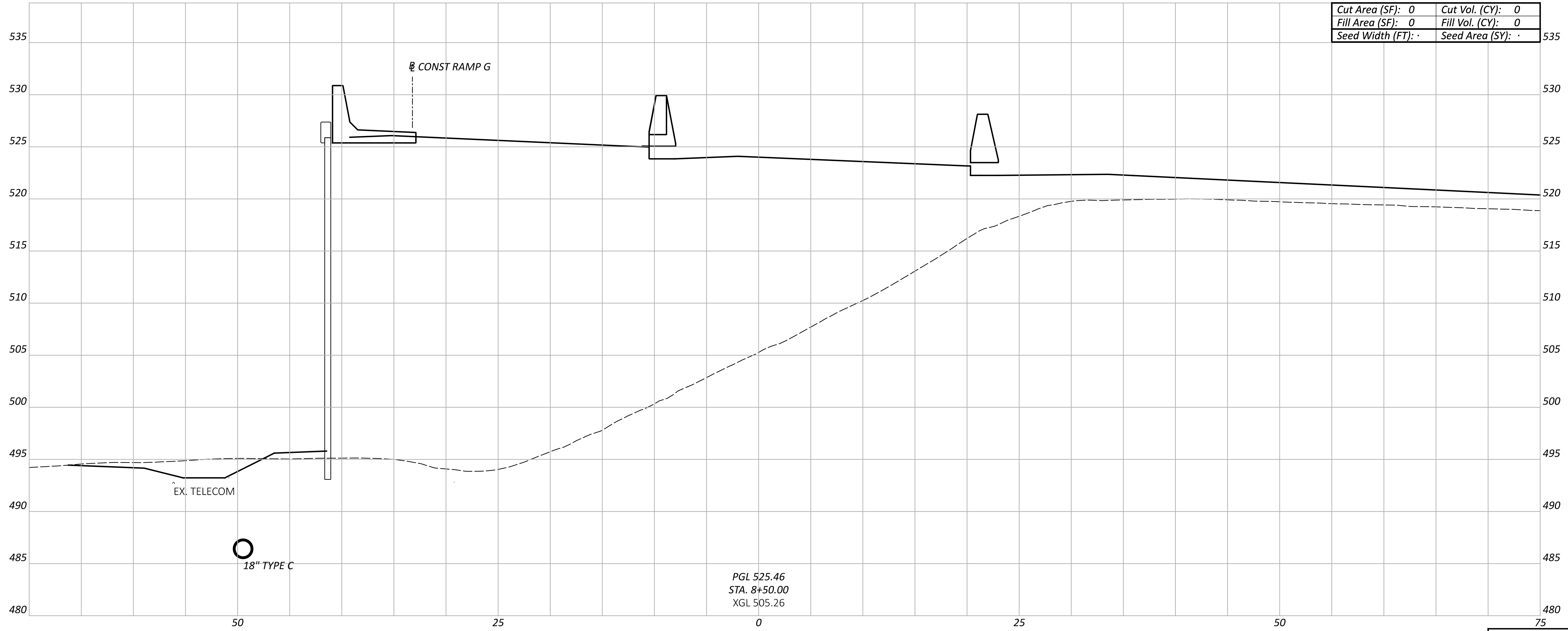
MJR 06/21/24

PROJECT ID

114161

Sheet Totals		
Seeding	Cut	Fill
.	.	.

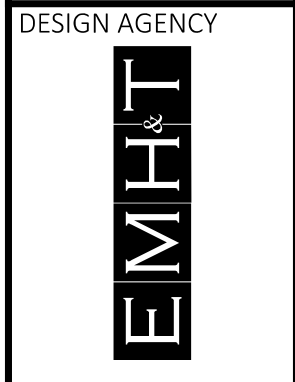
SHEET	TOTAL
P.152	463



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

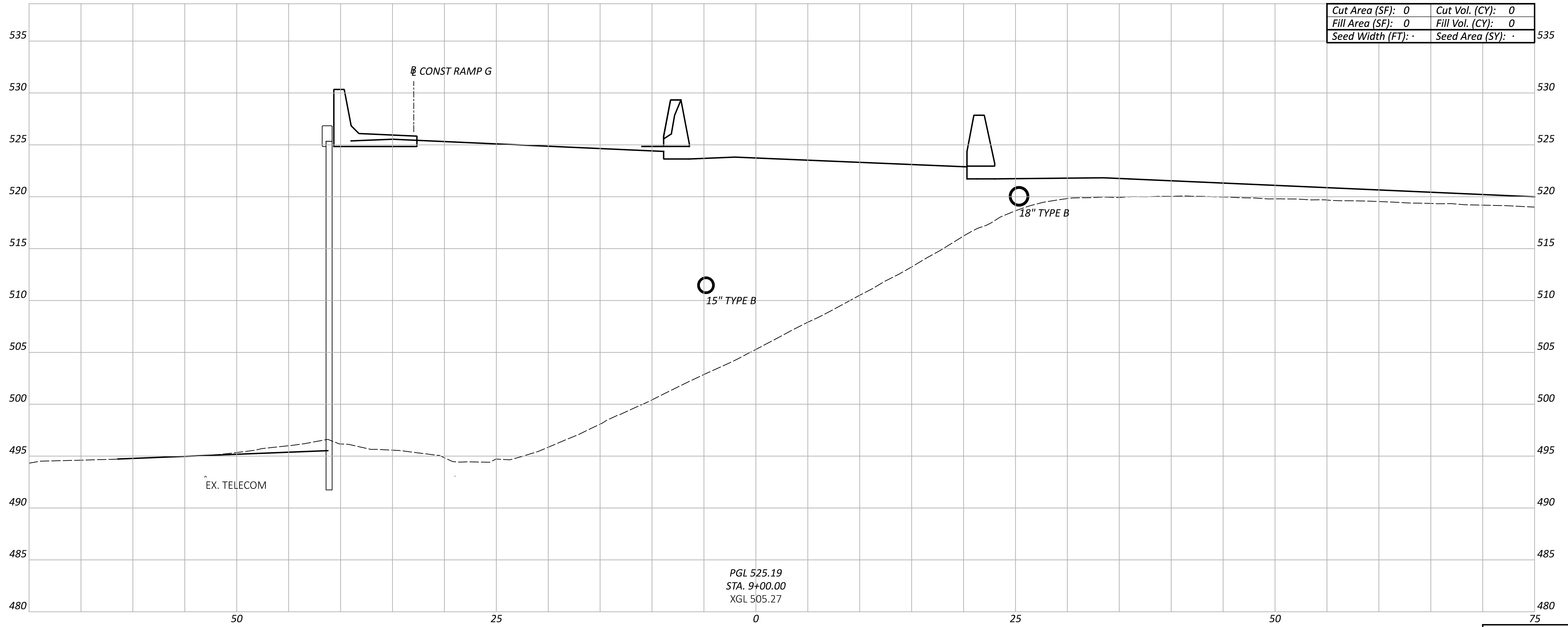
PGL 525.46
 STA. 8+50.00
 XGL 505.26

CROSS SECTIONS - RAMP B
 STA 8+50.00



DESIGNER
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 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.153	463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

PGL 525.19
STA. 9+00.00
XGL 505.27

CROSS SECTIONS - RAMP B
STA 9+00.00

DESIGN AGENCY



DESIGNER

SJB

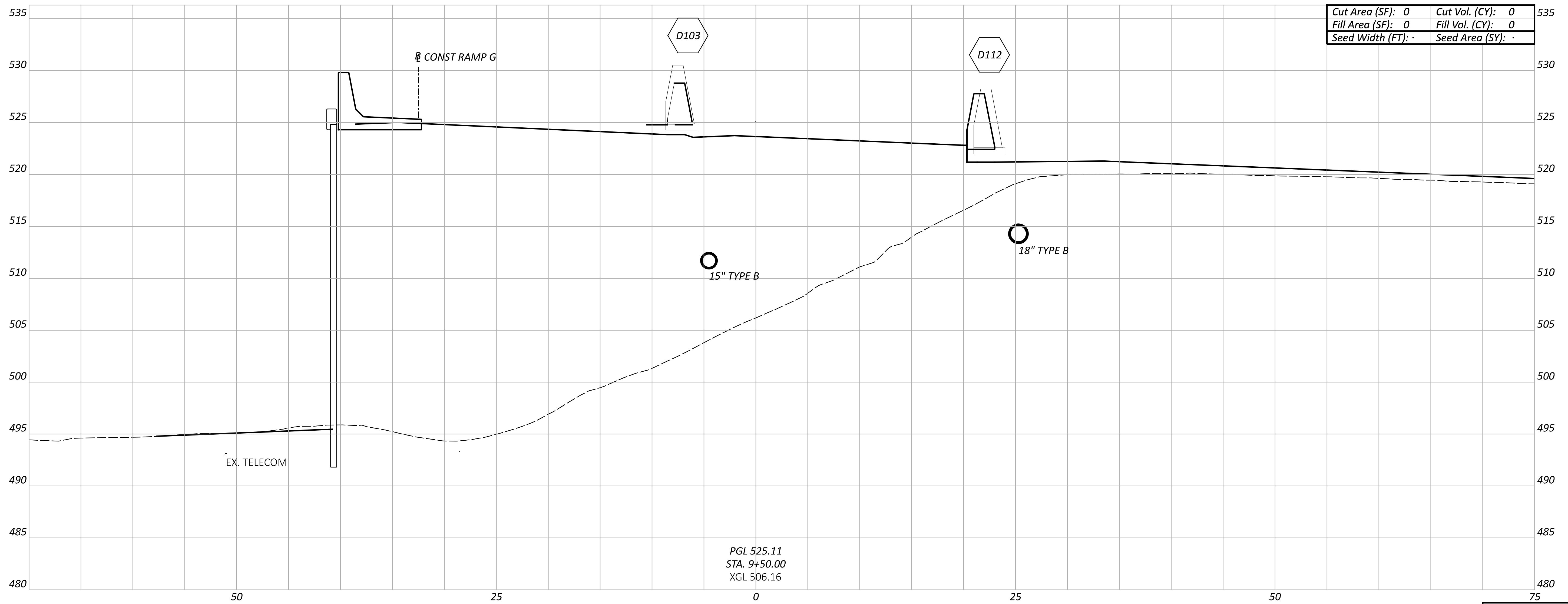
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.154 463



CROSS SECTIONS - RAMP B
STA 9+50.00

DESIGN AGENCY



DESIGNER

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MJR 06/21/24

PROJECT ID

114161

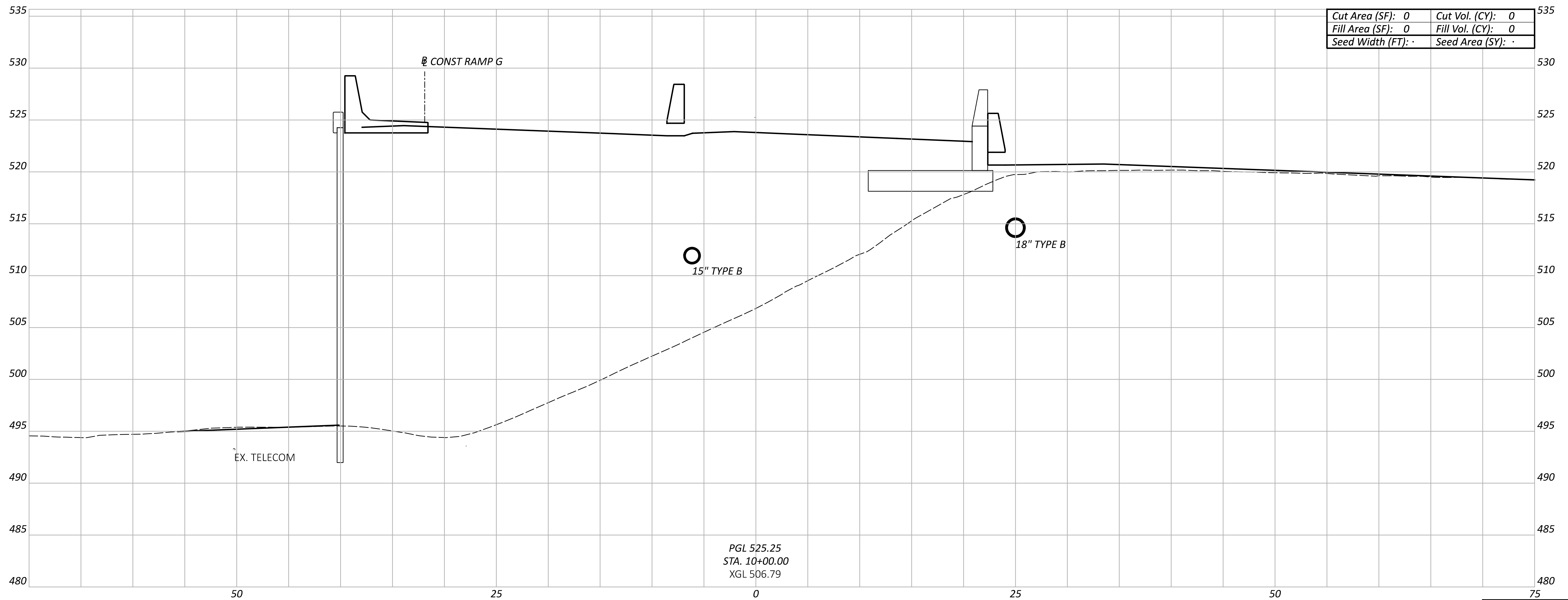
Sheet Totals

Seeding Cut Fill

. . .

SHEET TOTAL

P.155 463



PGL 525.25
STA. 10+00.00
XGL 506.79

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - RAMP B
STA 10+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

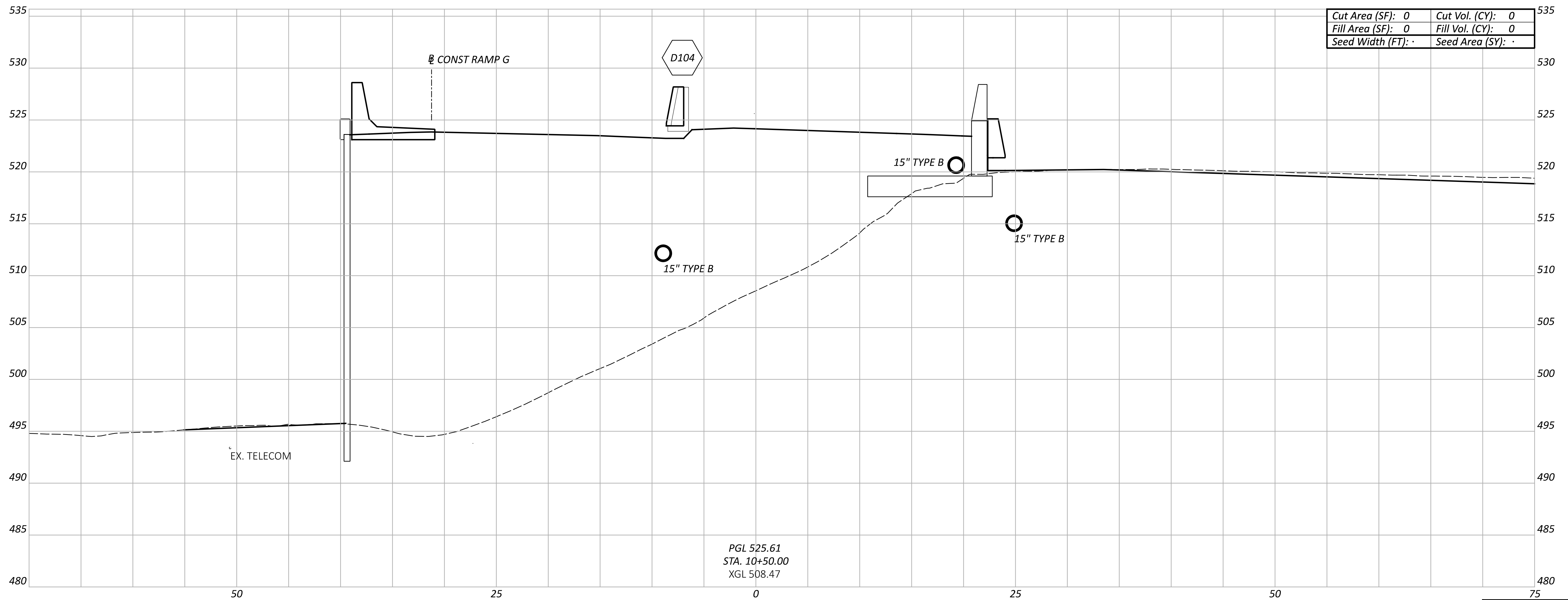
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill
.	.	.

SHEET	TOTAL
P.156	463



PGL 525.61
STA. 10+50.00
XGL 508.47

Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

CROSS SECTIONS - RAMP B
STA 10+50.00

DESIGN AGENCY



DESIGNER

SJB

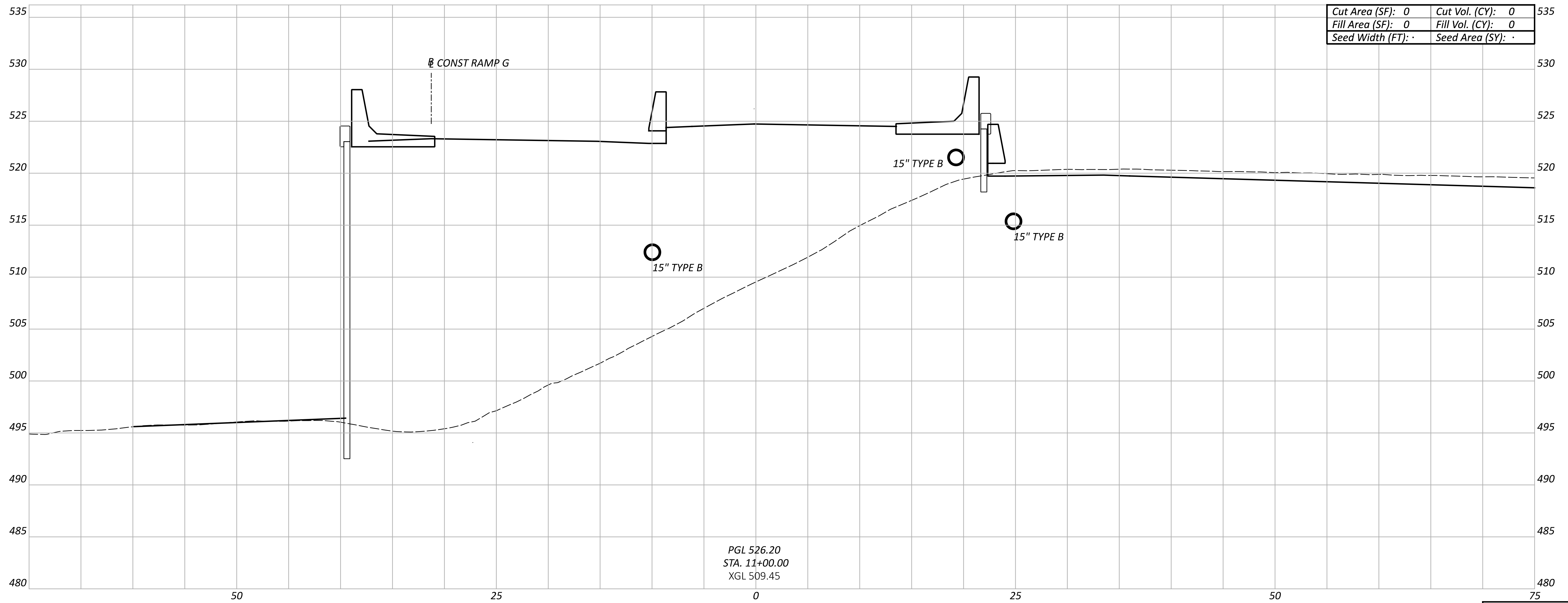
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.157	463



PGL 526.20
 STA. 11+00.00
 XGL 509.45

Cut Area (SF): 0	Cut Vol. (CY): 0
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Seed Width (FT): .	Seed Area (SY): .

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.158 463

DESIGN AGENCY



DESIGNER

SJB

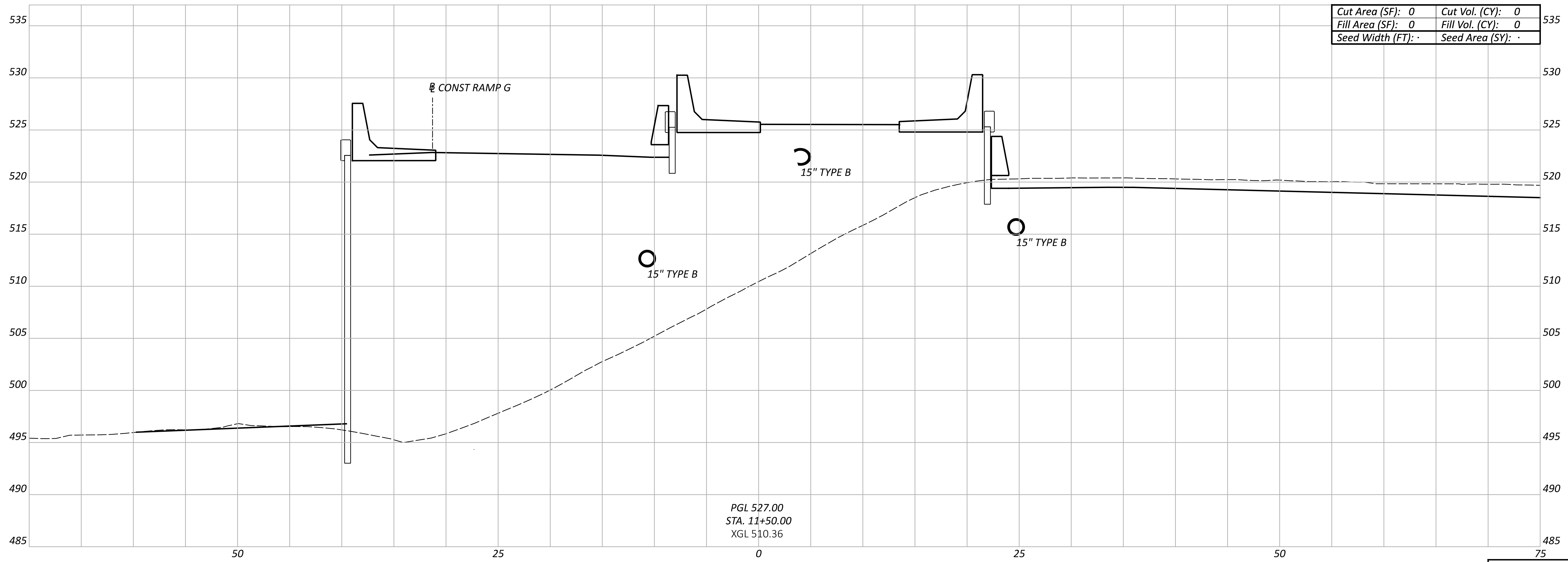
REVIEWER

MJR 06/21/24

PROJECT ID

114161

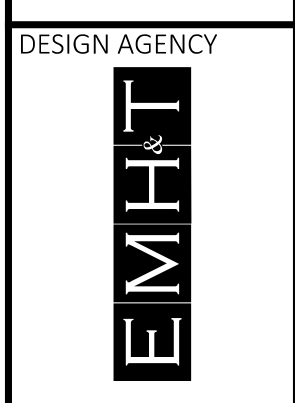
CROSS SECTIONS - RAMP B
 STA 11+00.00.



PGL 527.00
STA. 11+50.00
XGL 510.36

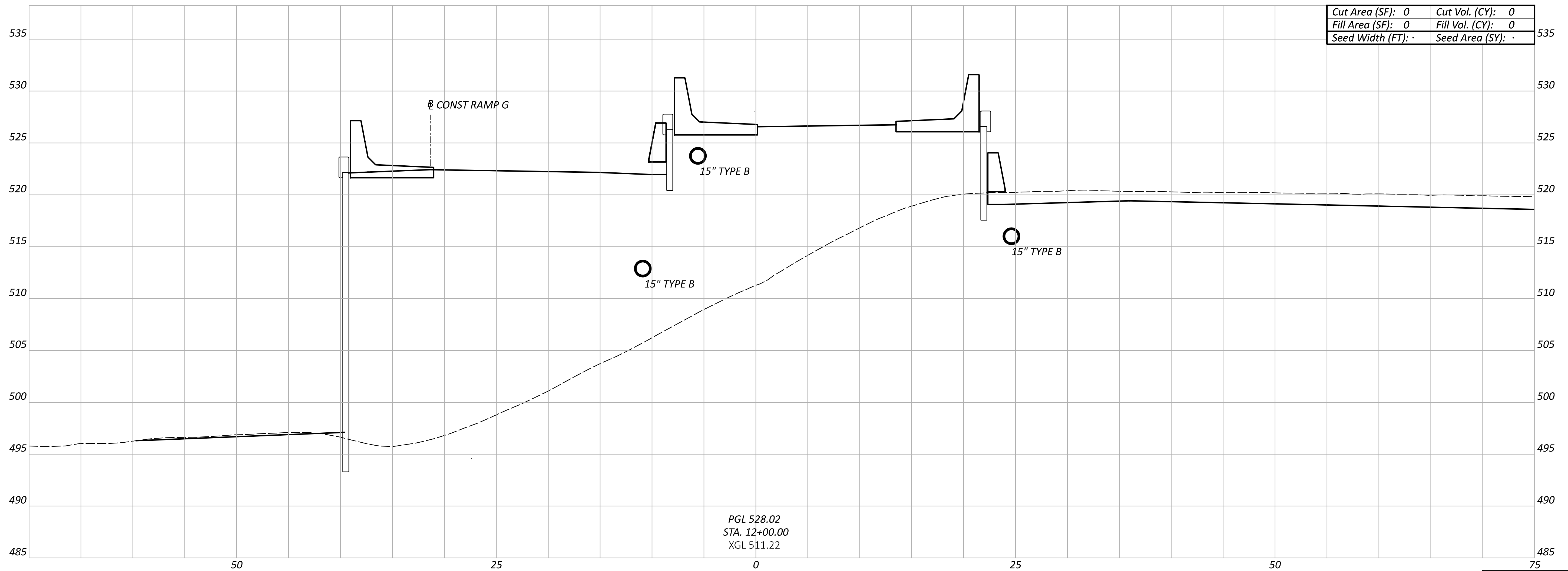
Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

CROSS SECTIONS - RAMP B
STA 11+50.00



DESIGN AGENCY
DESIGNER: SJB
REVIEWER: MJR
PROJECT ID: 114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.159	463



PGL 528.02
STA. 12+00.00
XGL 511.22

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - RAMP B
STA 12+00.00

DESIGN AGENCY



DESIGNER

SJB

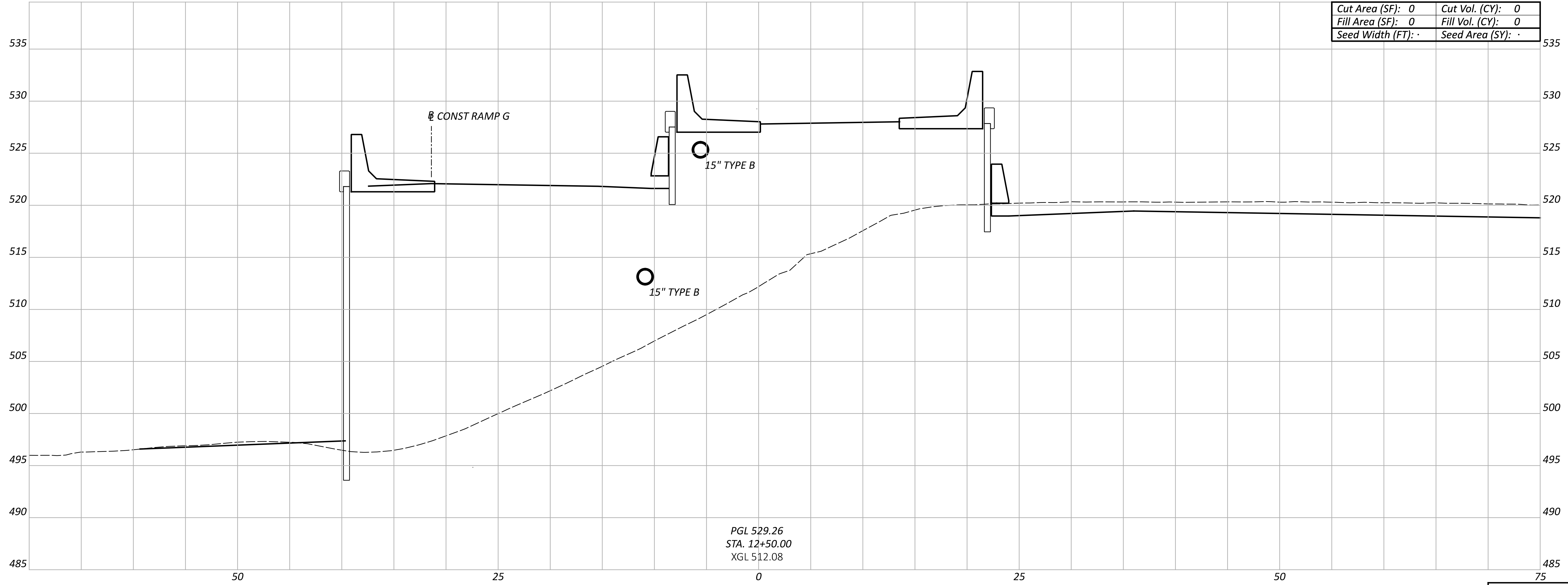
REVIEWER

MJR 06/21/24

PROJECT ID

114161

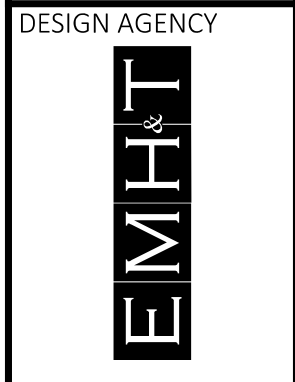
Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.160	463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

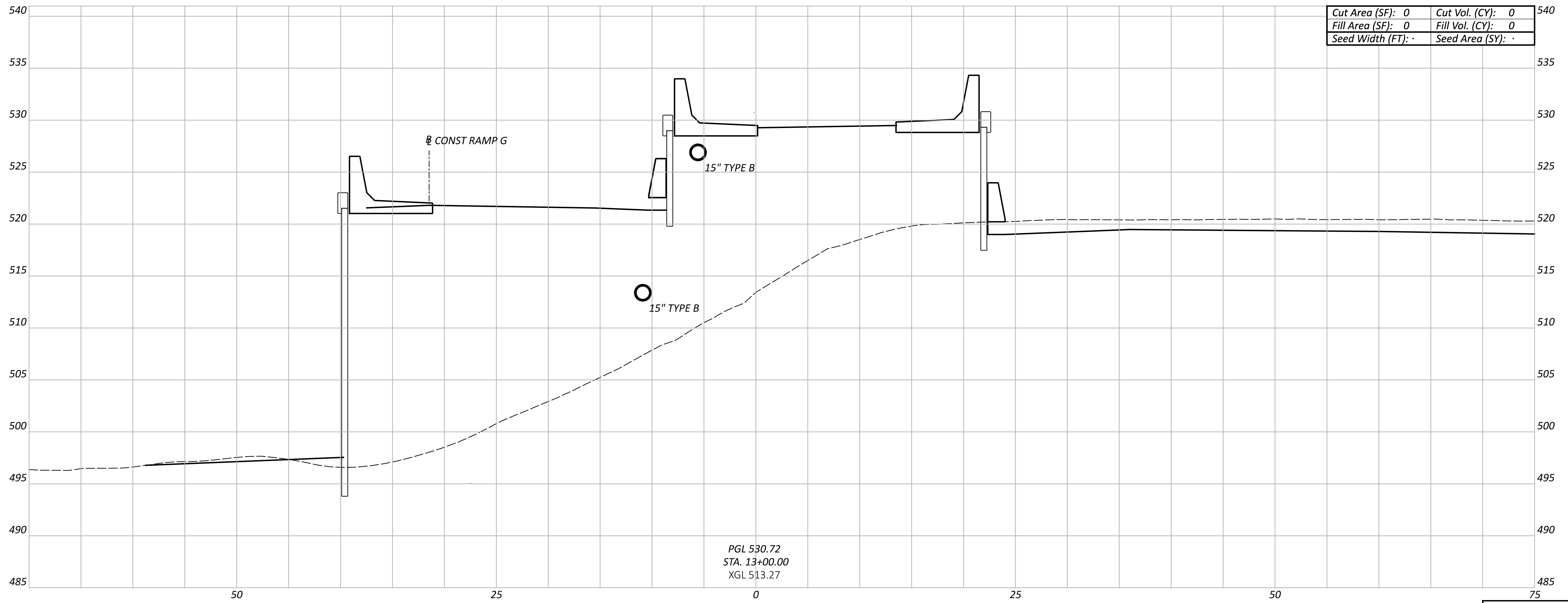
PGL 529.26
 STA. 12+50.00
 XGL 512.08

CROSS SECTIONS - RAMP B
 STA 12+50.00



DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161


Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.161 463



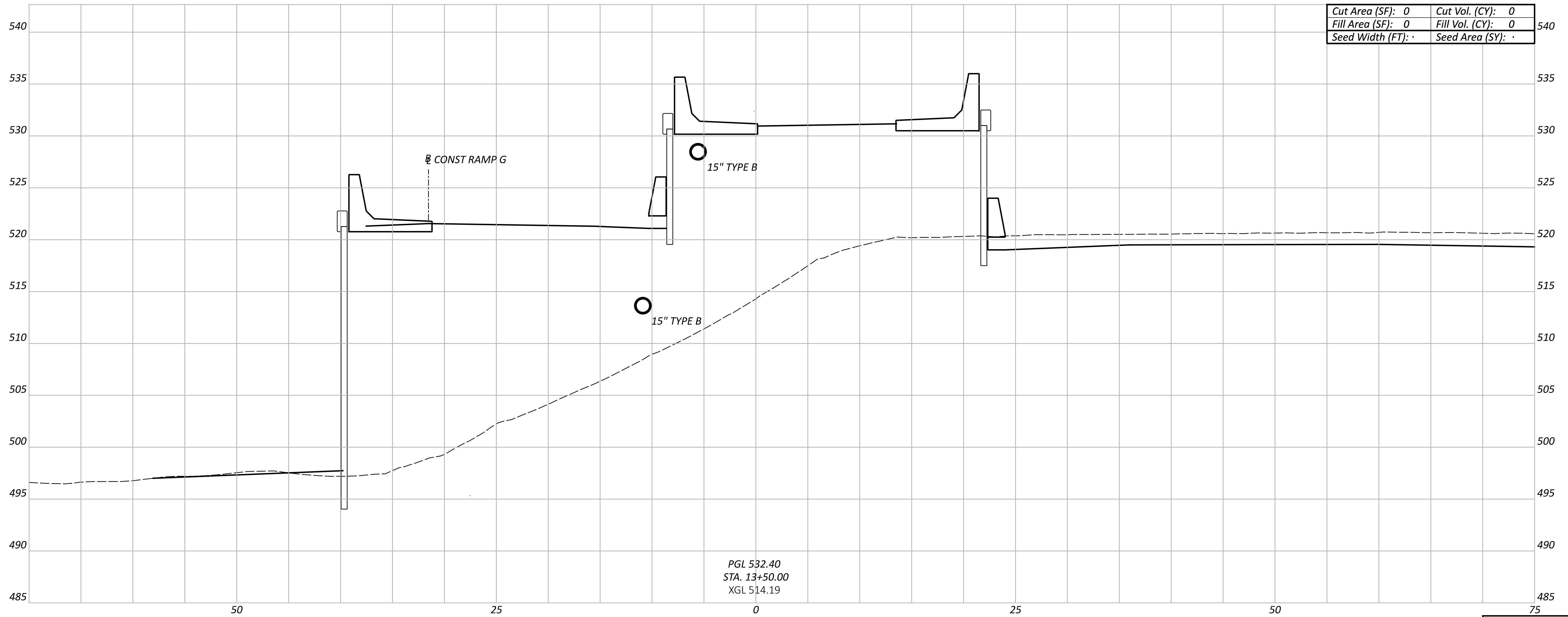
PGL 530.72
STA. 13+00.00
XGL 513.27

Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): -	Seed Area (SY): -

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.162 463

DESIGN AGENCY

 DESIGNER
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 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

CROSS SECTIONS - RAMP B
STA 13+00.00



PGL 532.40
STA. 13+50.00
XGL 514.19

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

CROSS SECTIONS - RAMP B
STA 13+50.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

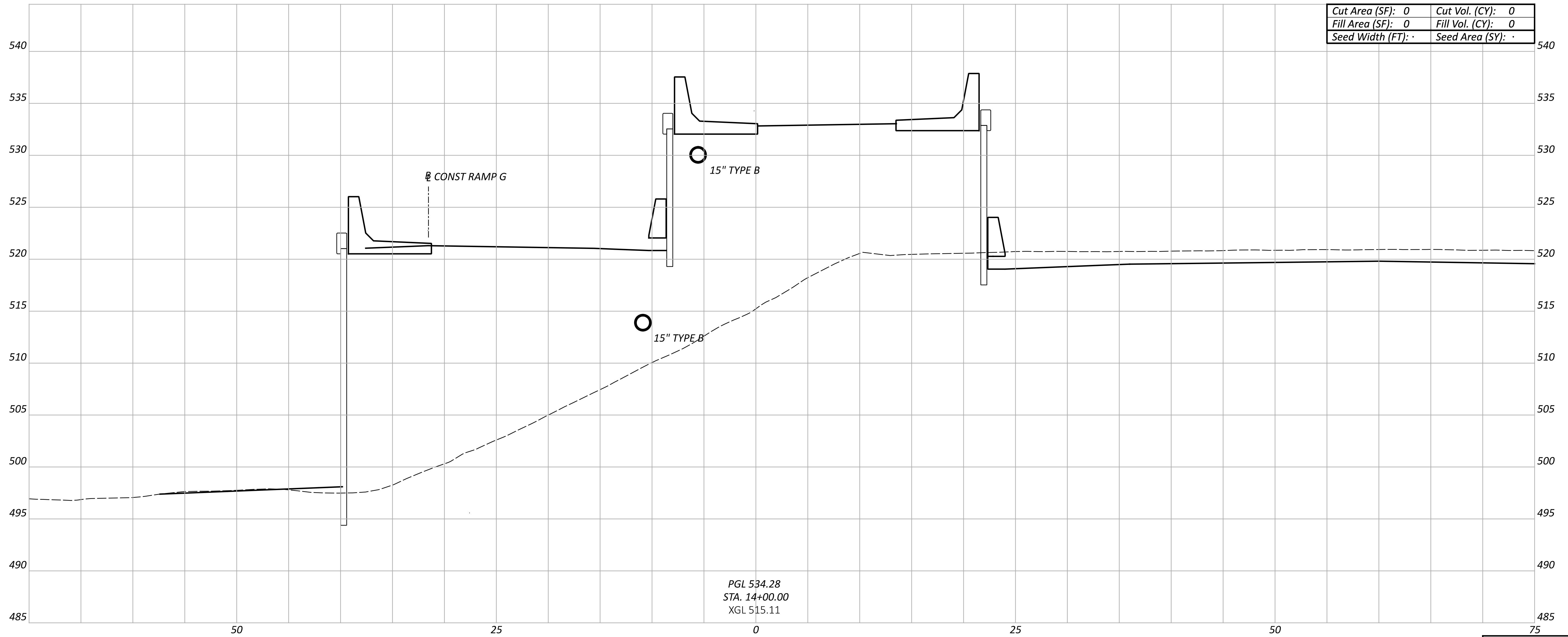
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill	TOTAL
.	.	.	P.163

463



PGL 534.28
STA. 14+00.00
XGL 515.11

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - RAMP B
STA 14+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

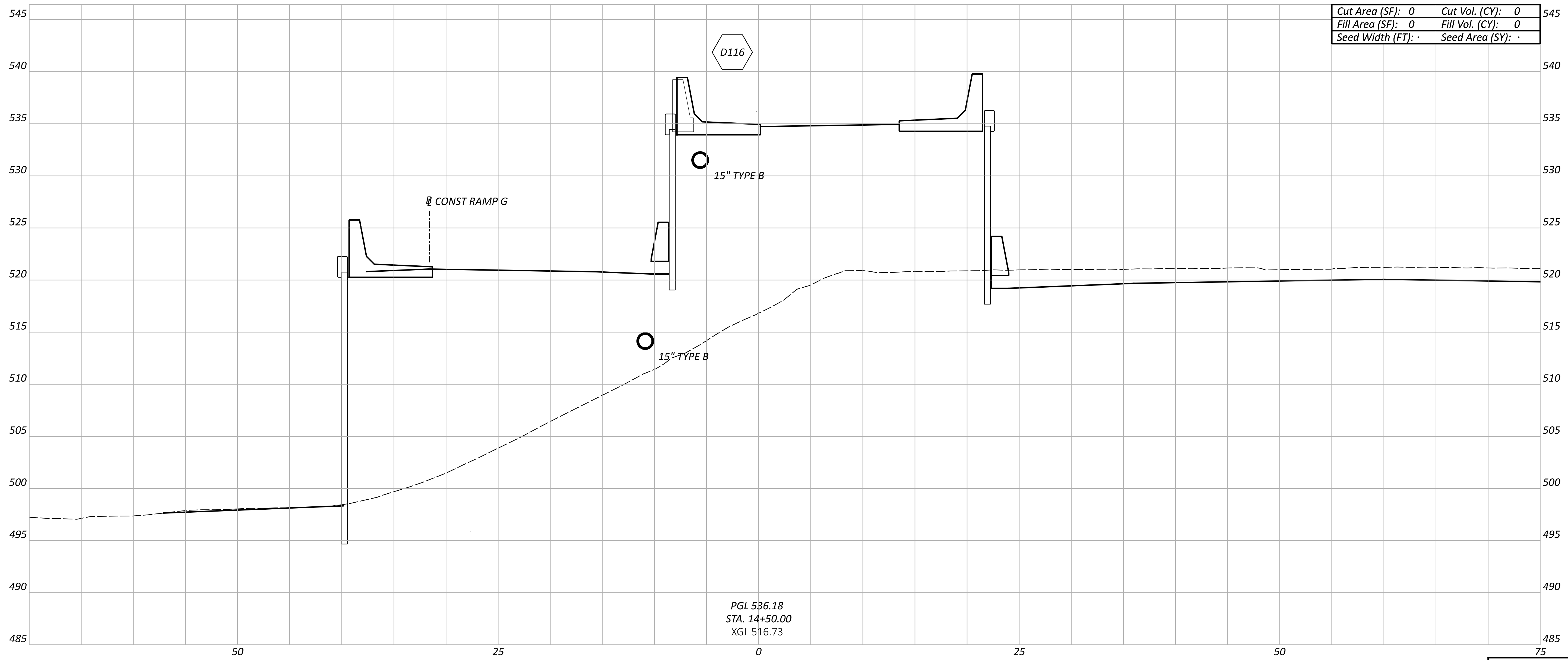
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill	TOTAL
.	.	.	P.164

463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

D116

CONST RAMP G

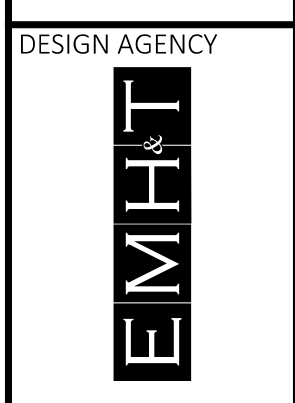
15" TYPE B

15" TYPE B

PGL 536.18
STA. 14+50.00
XGL 516.73

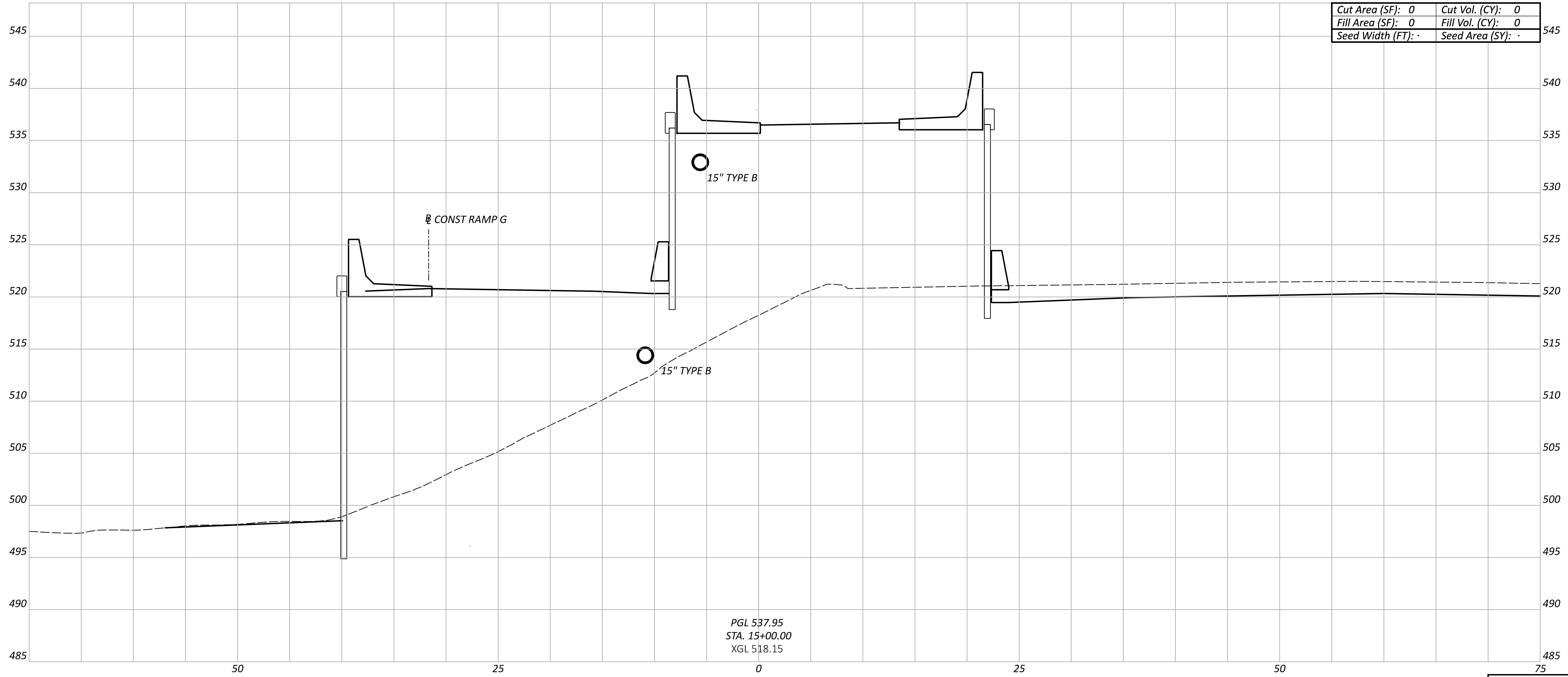
Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.165	463

CROSS SECTIONS - RAMP B
STA 14+50.00



DESIGN AGENCY
DESIGNER: SJB
REVIEWER: MJR
DATE: 06/21/24

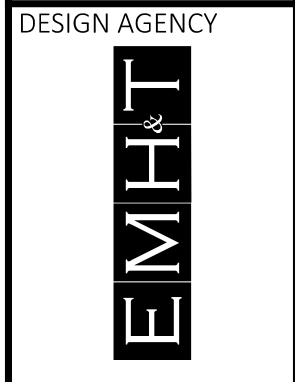
PROJECT ID: 114161



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

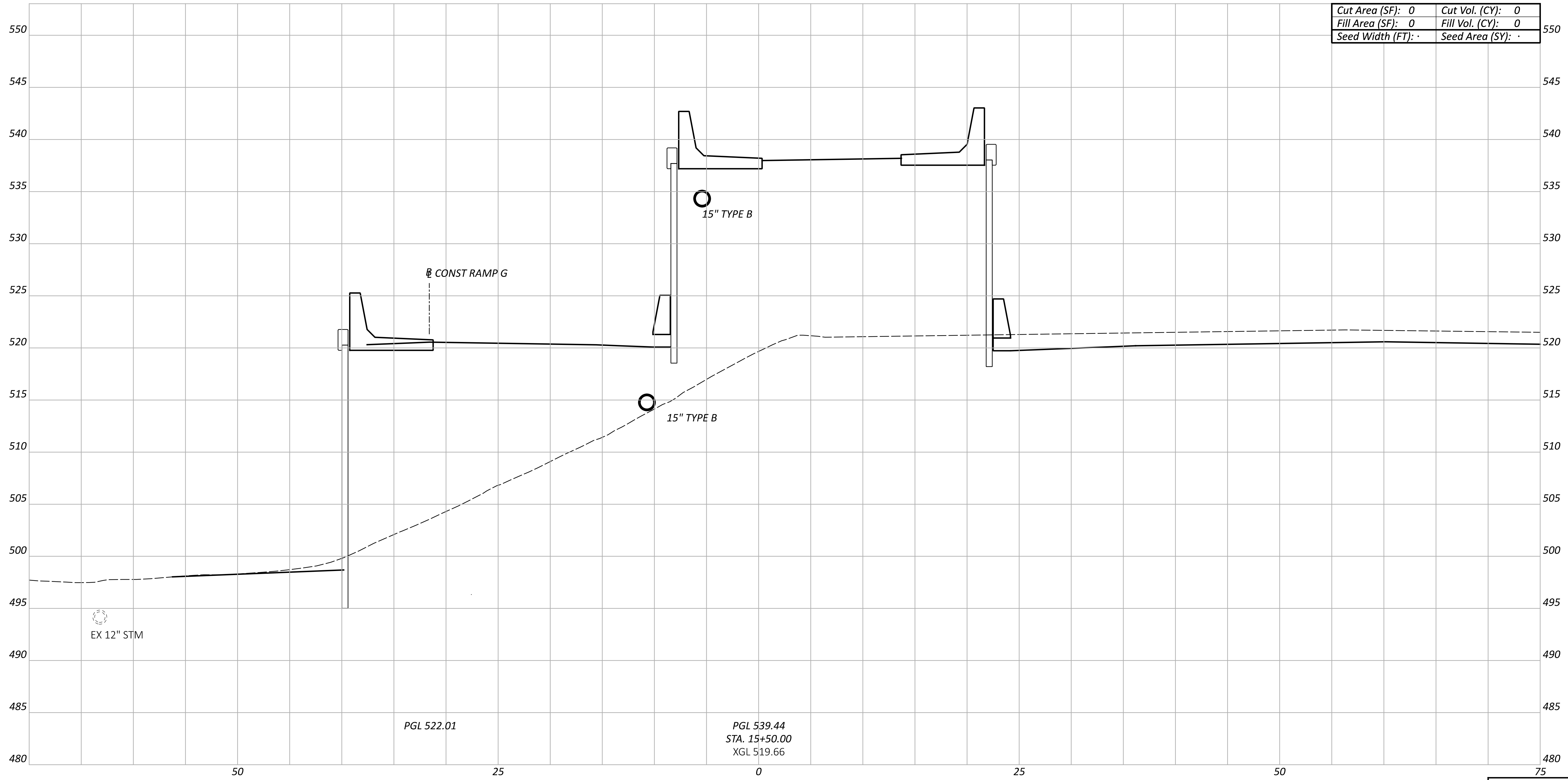
PGL 537.95
 STA. 15+00.00
 XGL 518.15

CROSS SECTIONS - RAMP B
 STA 15+00.00



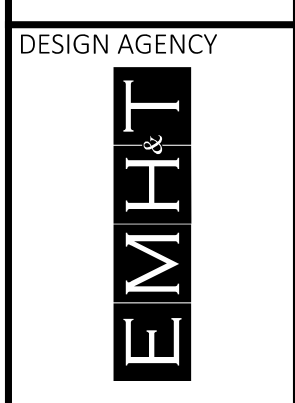
DESIGN AGENCY
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.166 463



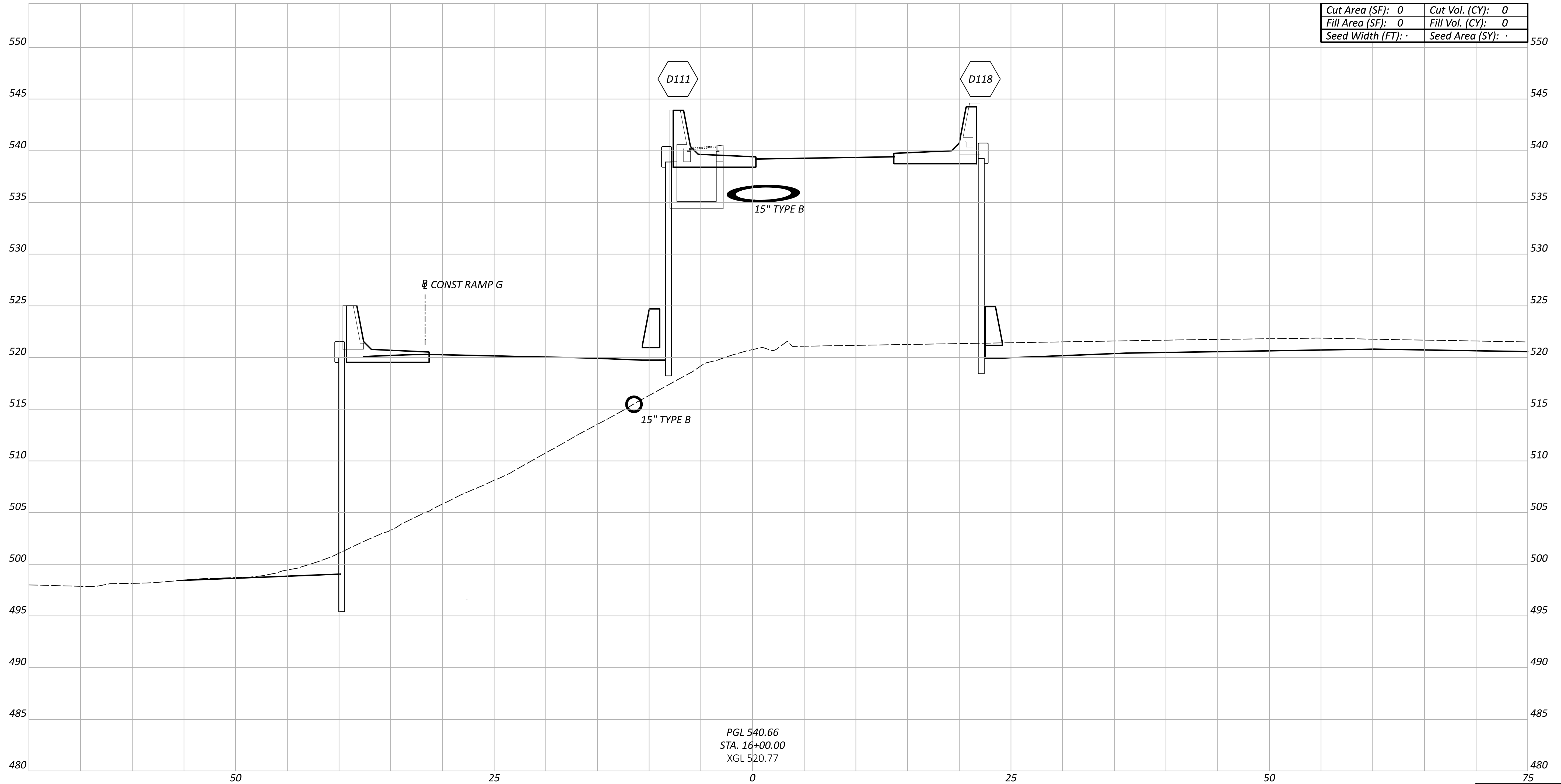
Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

CROSS SECTIONS - RAMP B
STA 15+50.00



DESIGN AGENCY
EMHT
DESIGNER
SJB
REVIEWER
MJR 06/21/24
PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.167 463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

PGL 540.66
 STA. 16+00.00
 XGL 520.77

CROSS SECTIONS - RAMP B
 STA 16+00.00

DESIGN AGENCY



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REVIEWER

MJR 06/21/24

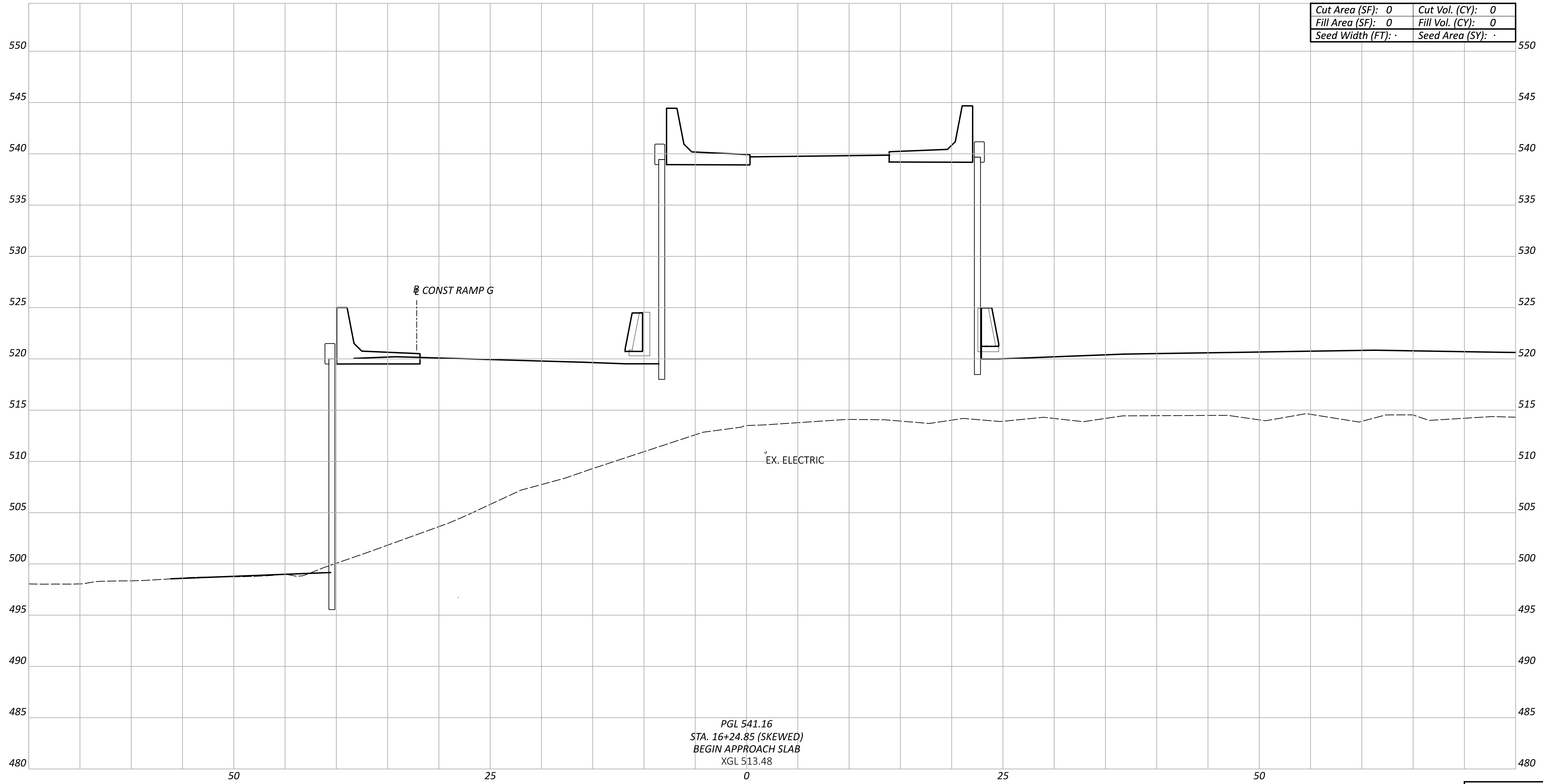
PROJECT ID

114161

Sheet Totals

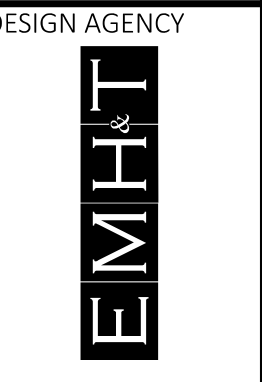
Seeding	Cut	Fill
.	.	.

SHEET TOTAL	114161
P.168	463



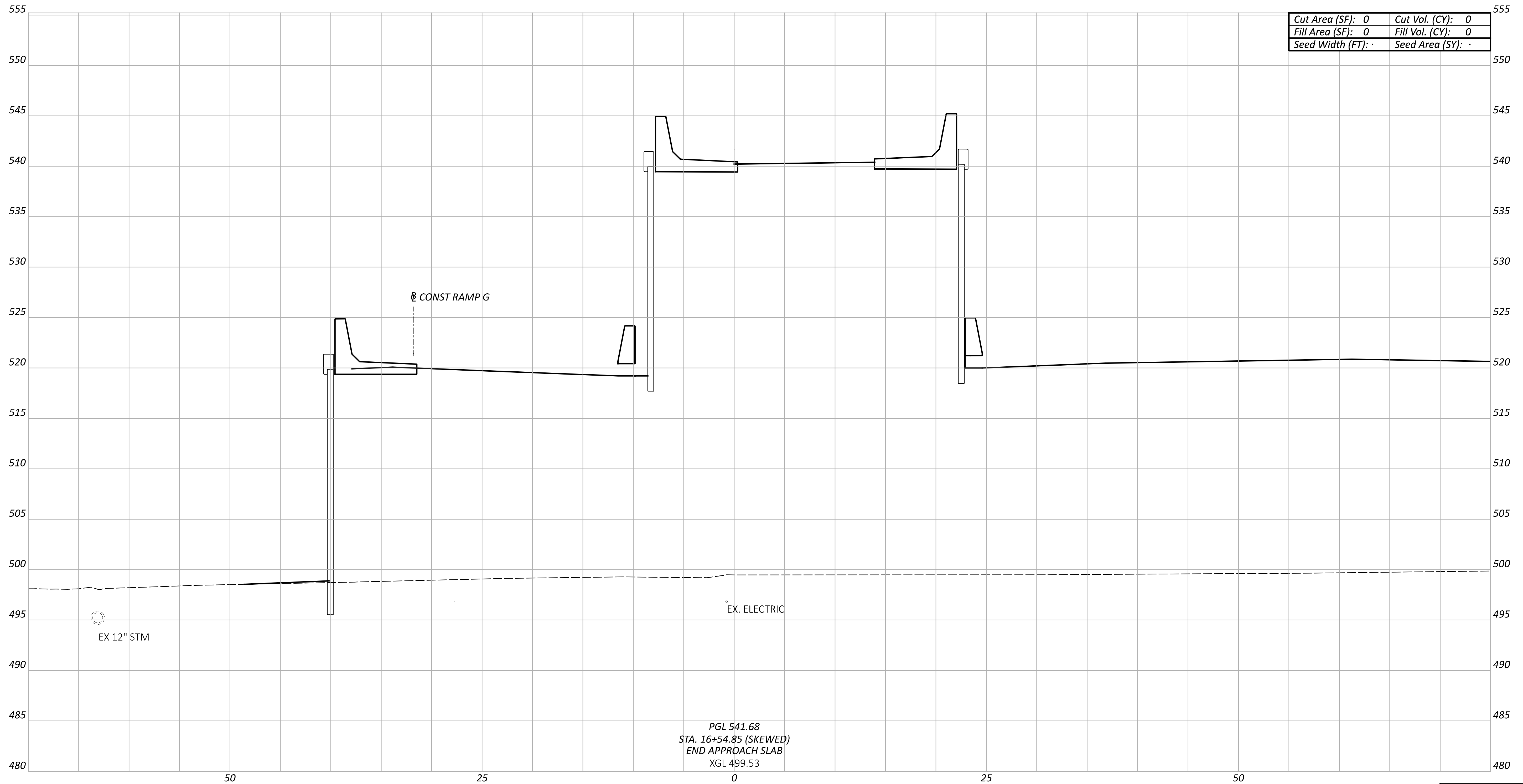
PGL 541.16
STA. 16+24.85 (SKEWED)
BEGIN APPROACH SLAB
XGL 513.48

CROSS SECTIONS - RAMP B
STA 16+24.85



DESIGN AGENCY
DESIGNER
SJB
REVIEWER
MJR 06/21/24
PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.169 463



PGL 541.68
 STA. 16+54.85 (SKEWED)
 END APPROACH SLAB
 XGL 499.53

Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

CROSS SECTIONS - RAMP B
 STA 16+54.85

DESIGN AGENCY



DESIGNER

SJB

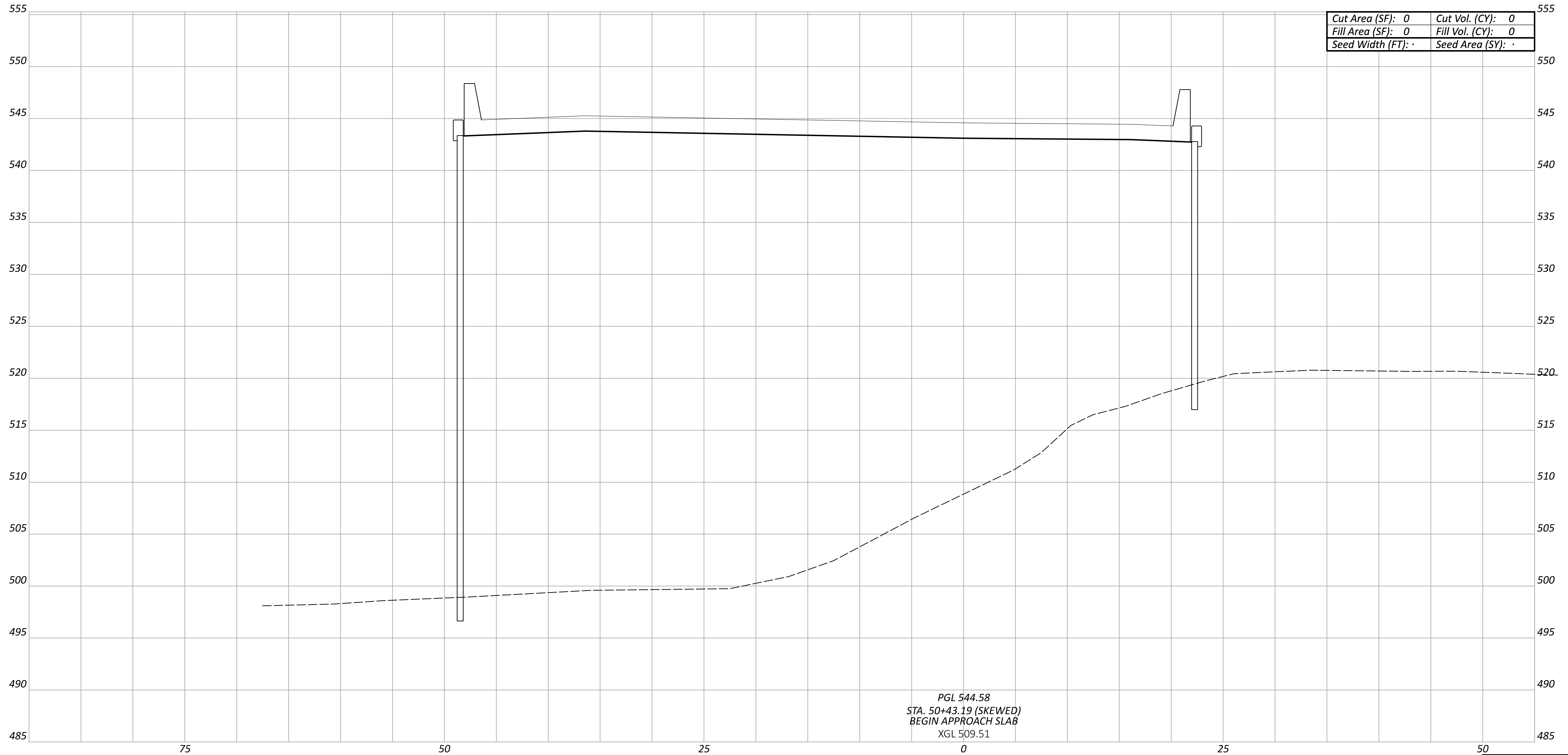
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.170	463



PGL 544.58
 STA. 50+43.19 (SKEWED)
 BEGIN APPROACH SLAB
 XGL 509.51

CROSS SECTIONS - RAMP C
 STA 50+43.19

DESIGN AGENCY



DESIGNER

SJB

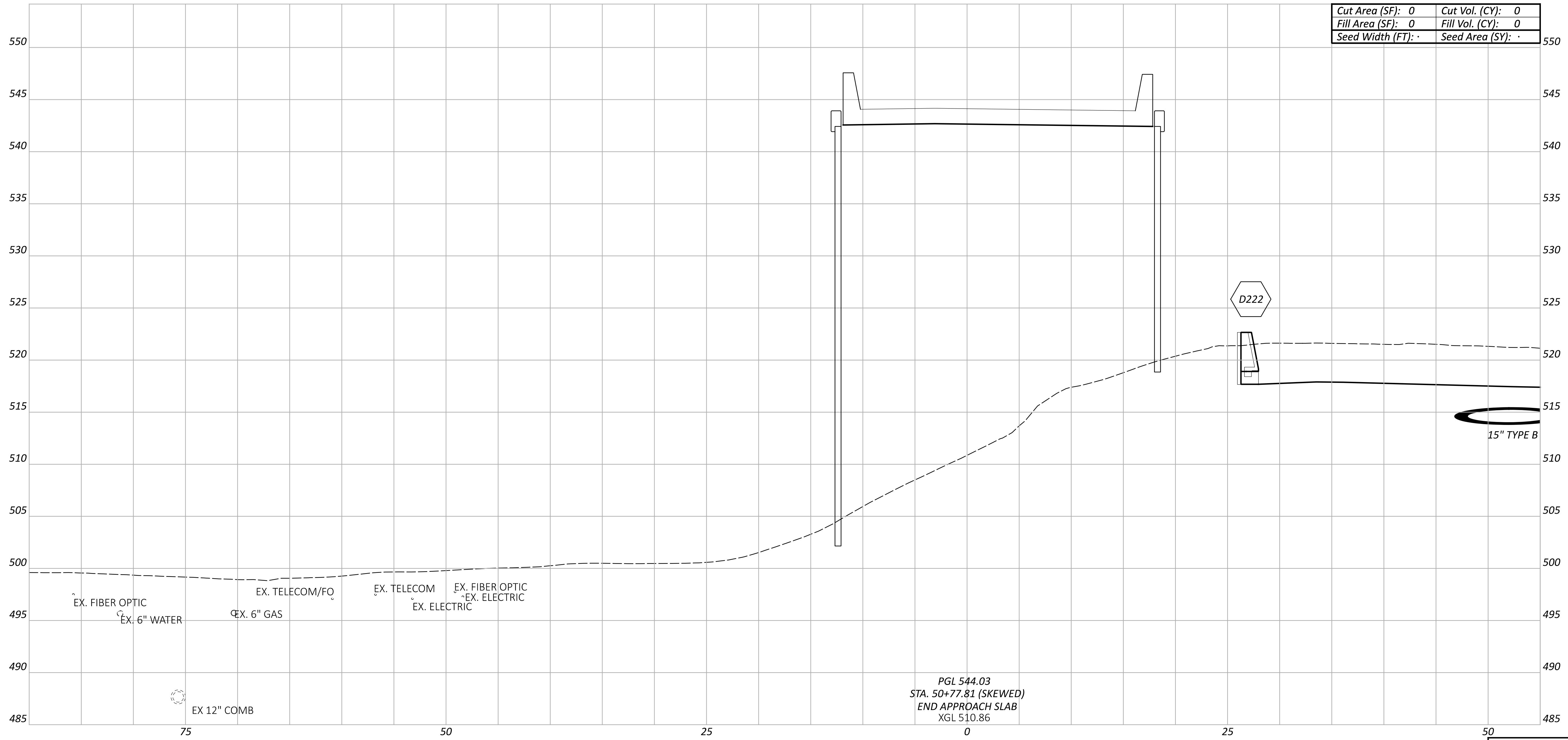
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.171 463



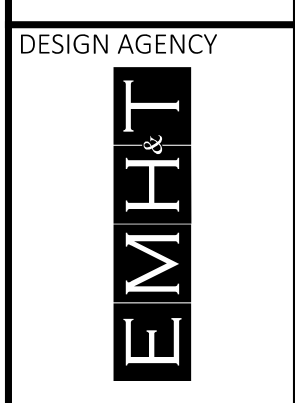
Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 544.03
 STA. 50+77.81 (SKEWED)
 END APPROACH SLAB
 XGL 510.86

D222

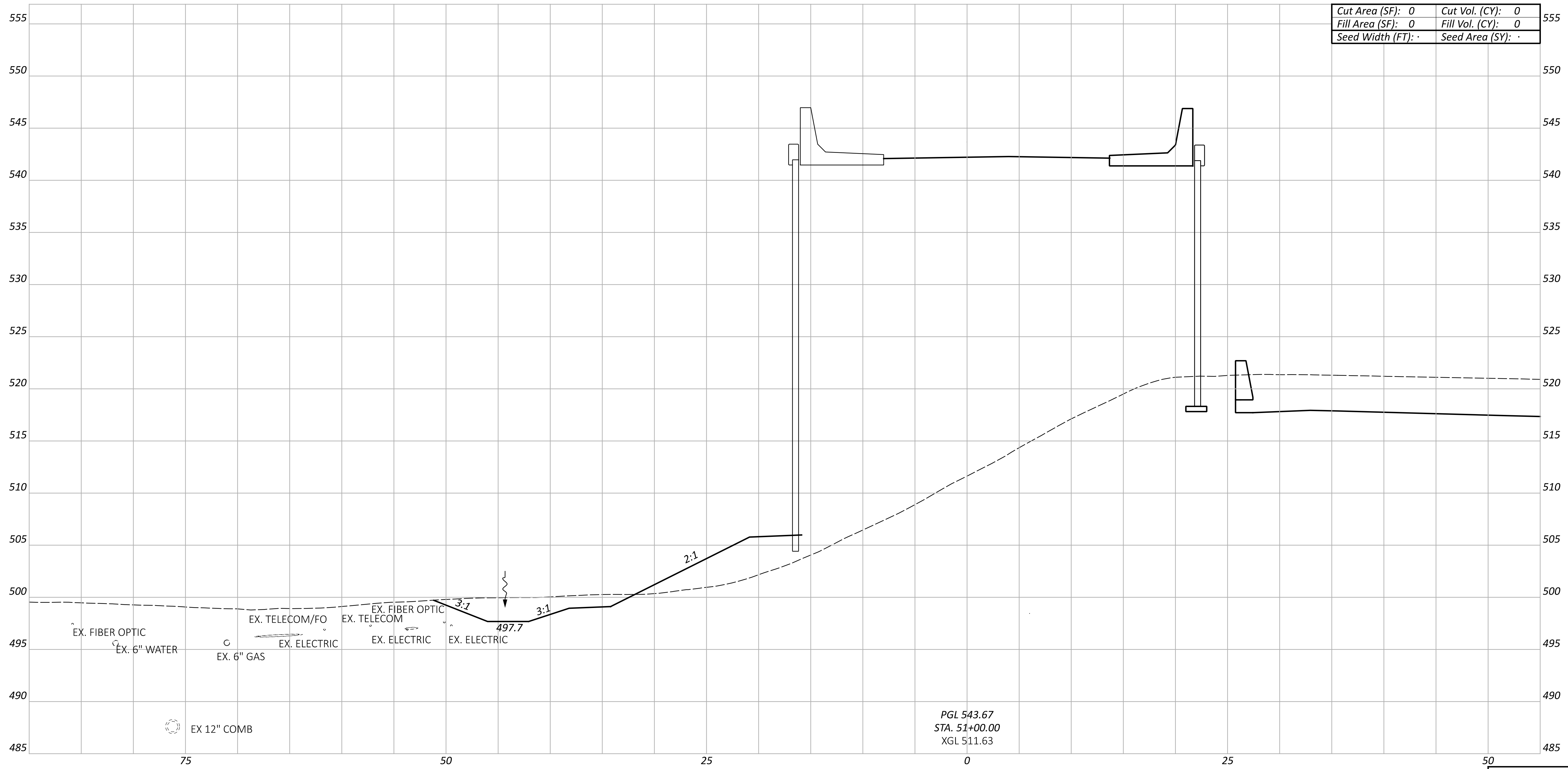
15" TYPE B

CROSS SECTIONS - RAMP C
 STA 50+77.81



DESIGN AGENCY
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 MJR 06/21/24
 PROJECT ID
 114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.172	463



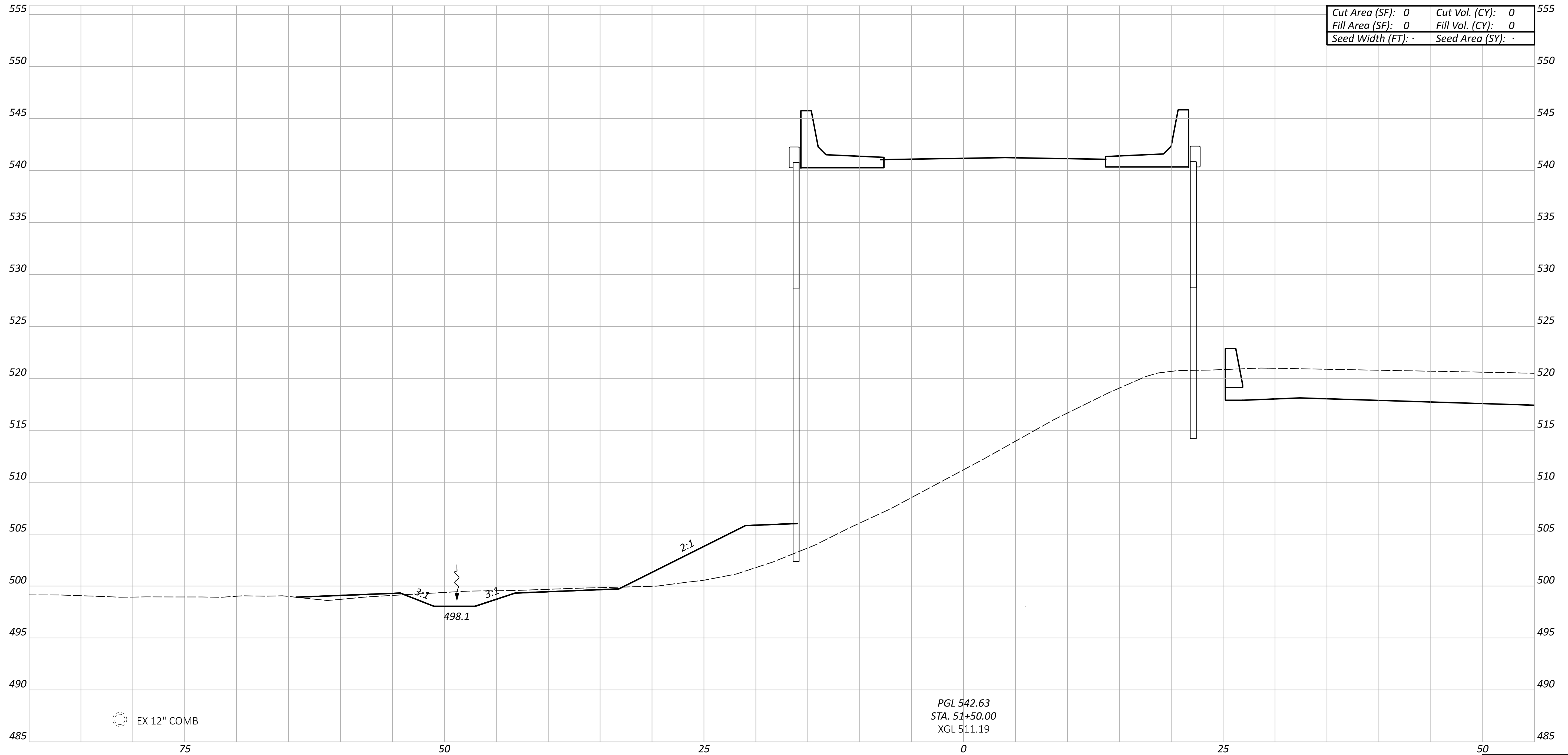
Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 543.67
 STA. 51+00.00
 XGL 511.63

CROSS SECTIONS - RAMP C
 STA 51+00.00

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	P.173	463



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): -	Seed Area (SY): -

CROSS SECTIONS - RAMP C
STA 51+50.00

DESIGN AGENCY



DESIGNER

SJB

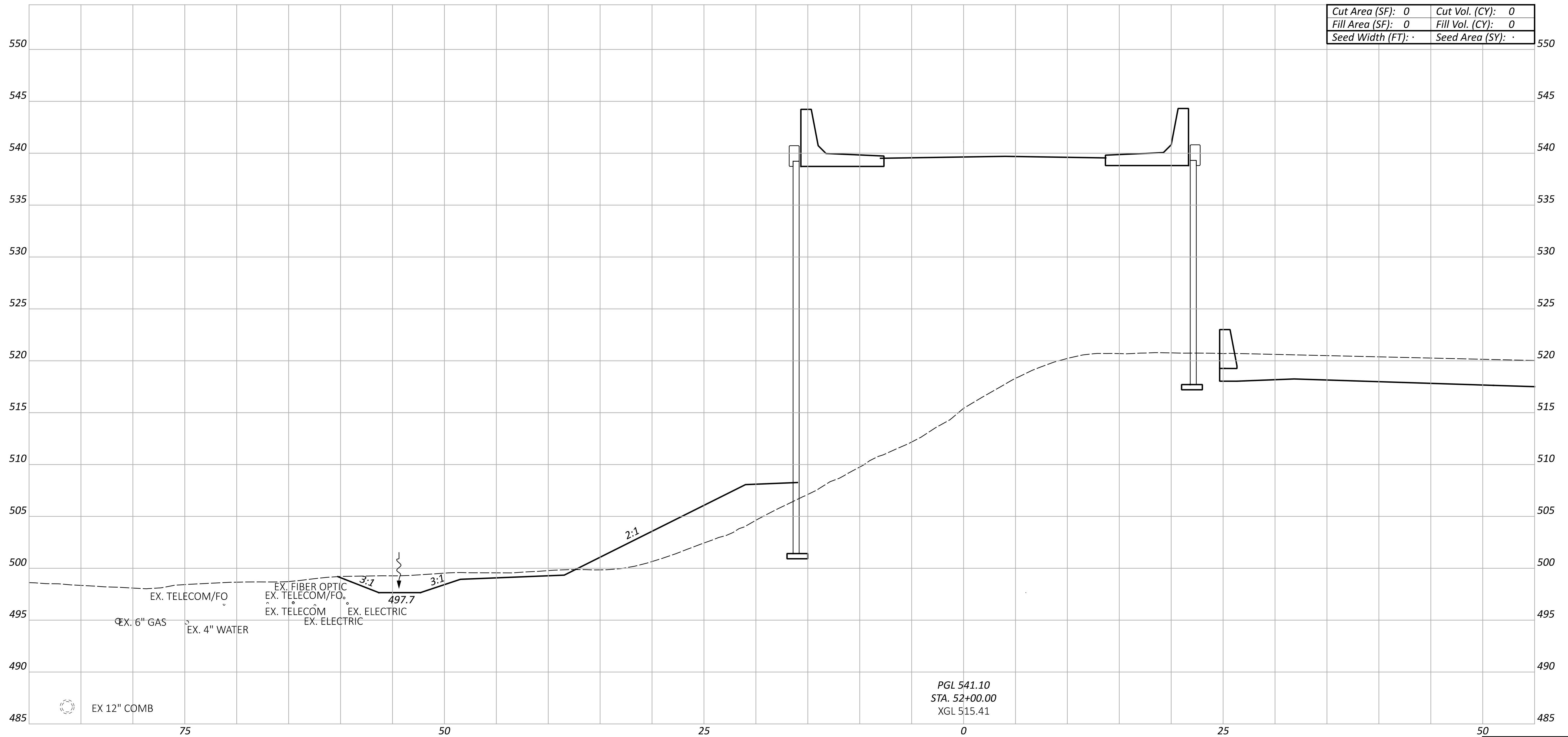
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.174	463



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

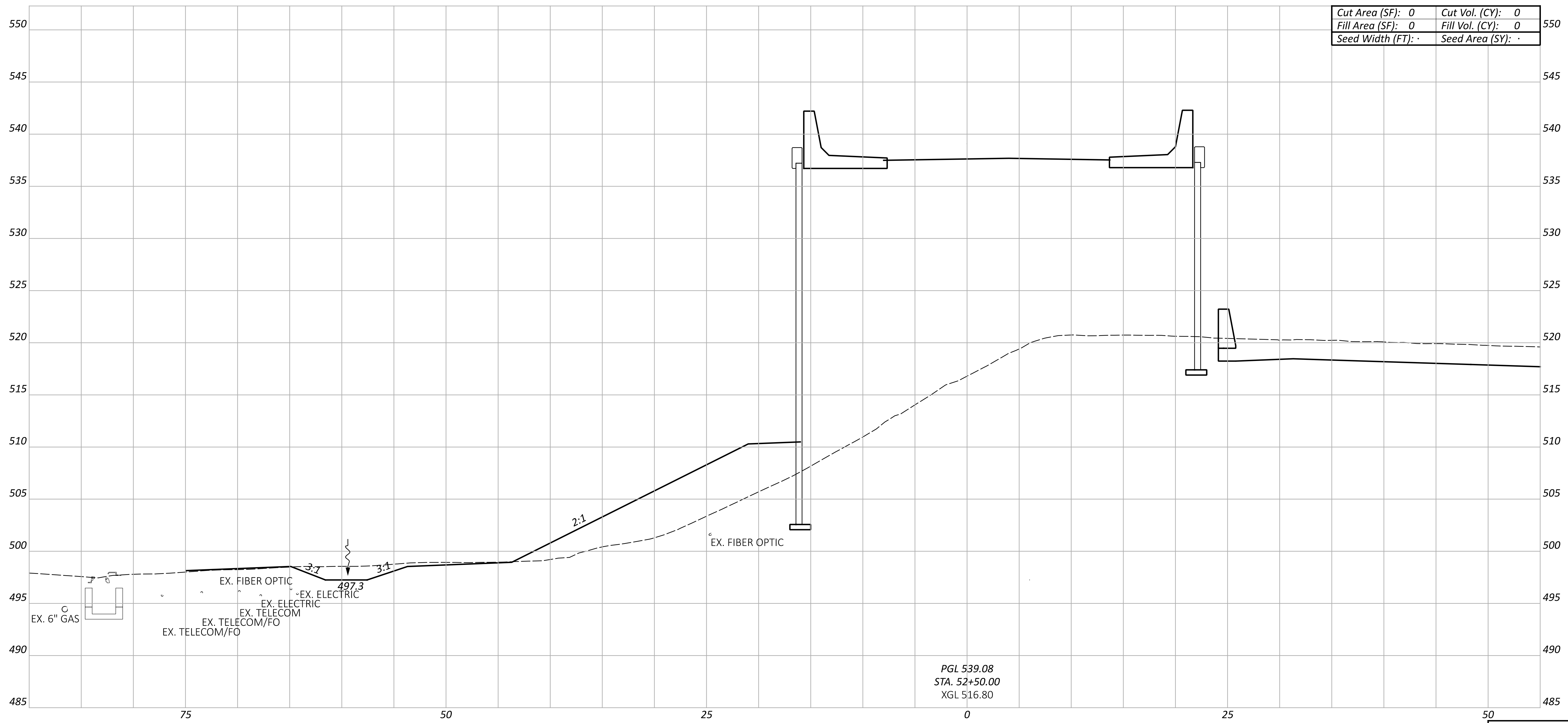
PGL 541.10
 STA. 52+00.00
 XGL 515.41

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.175 463

CROSS SECTIONS - RAMP C
 STA 52+00.00

DESIGN AGENCY

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 MJR 06/21/24
 PROJECT ID
 114161



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

CROSS SECTIONS - RAMP C
 STA 52+50.00

DESIGN AGENCY

DESIGNER

SJB

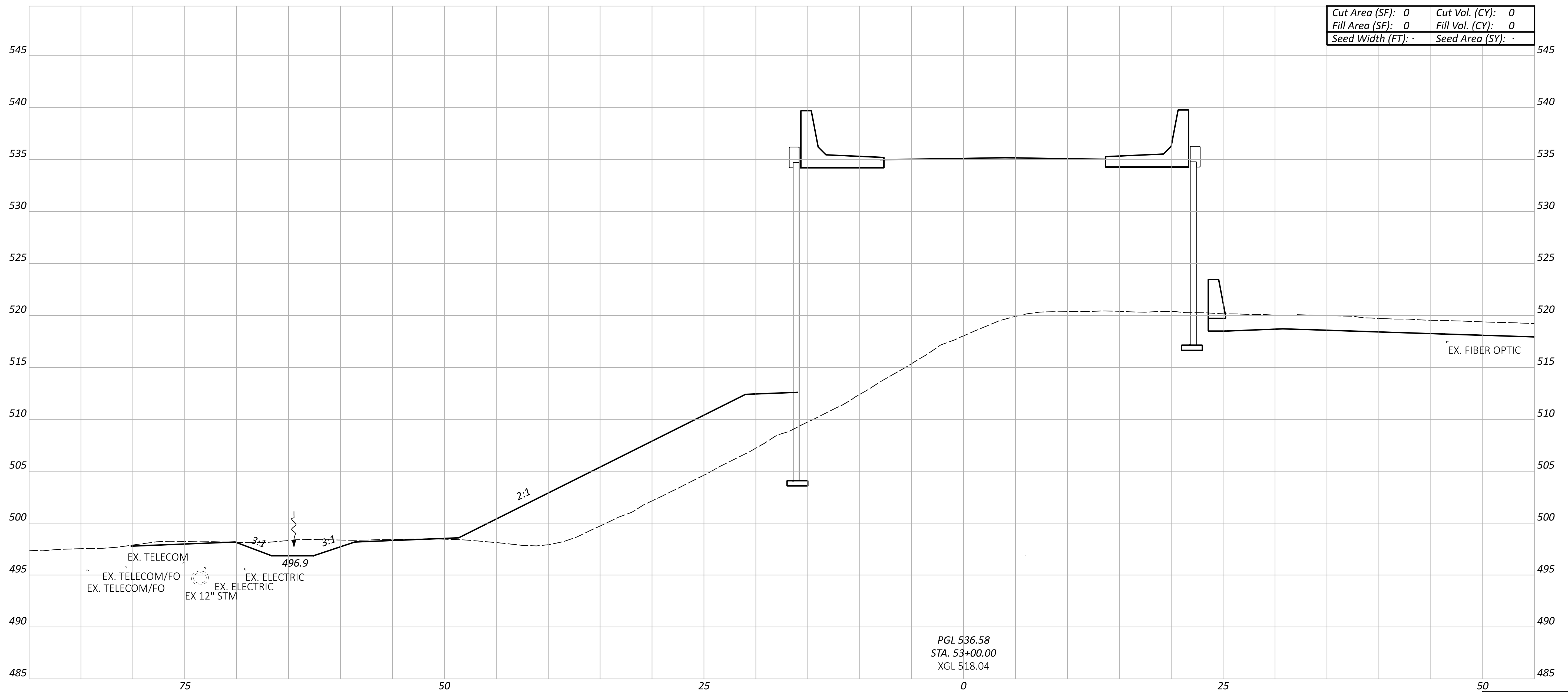
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.176	463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 536.58
STA. 53+00.00
XGL 518.04

EX. FIBER OPTIC

CROSS SECTIONS - RAMP C
STA 53+00.00

DESIGN AGENCY



DESIGNER

SJB

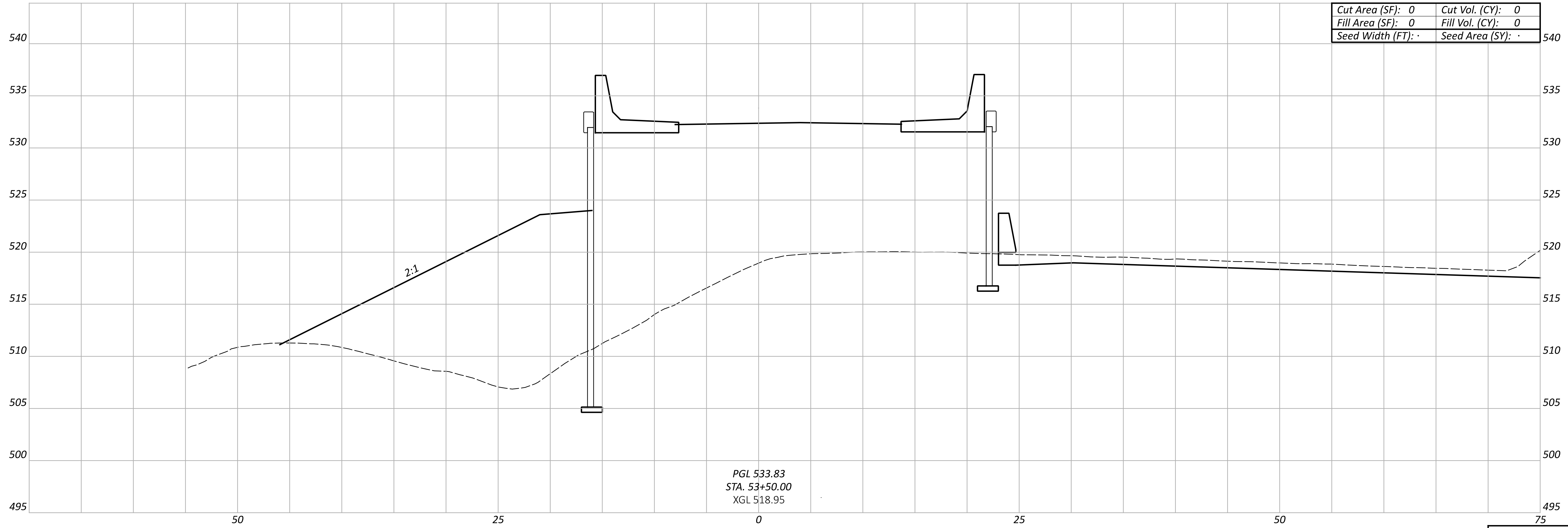
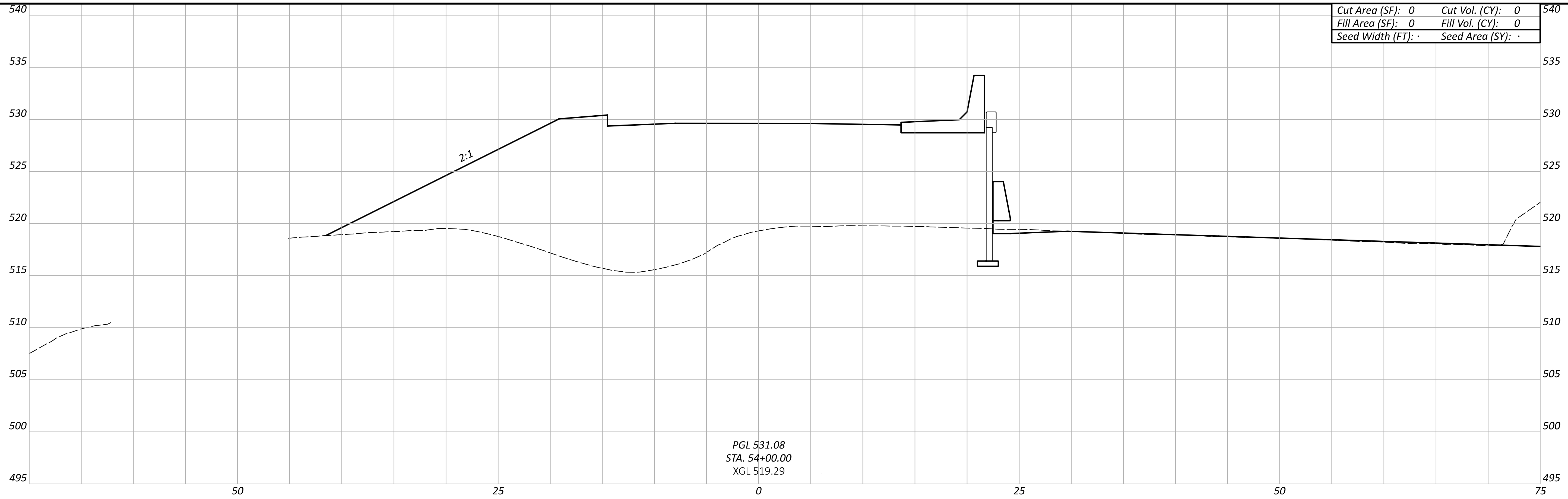
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.177 463



CROSS SECTIONS - RAMP C
STA 53+50.00 TO STA 54+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

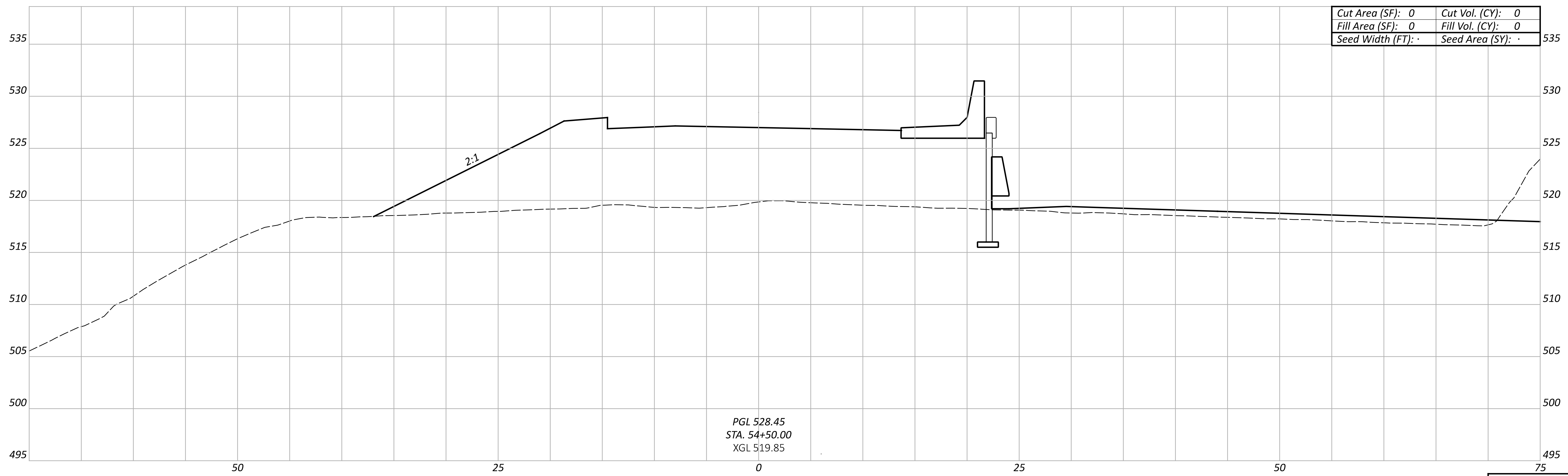
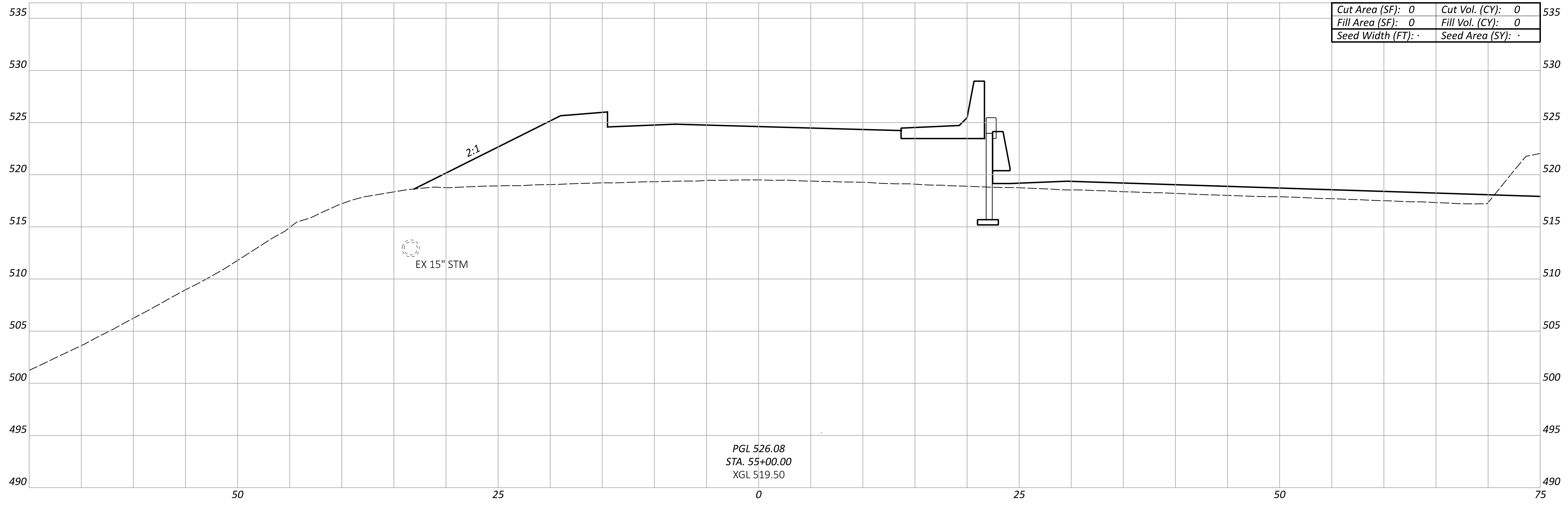
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill
.	.	.

SHEET	TOTAL
P.178	463



Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.179 463

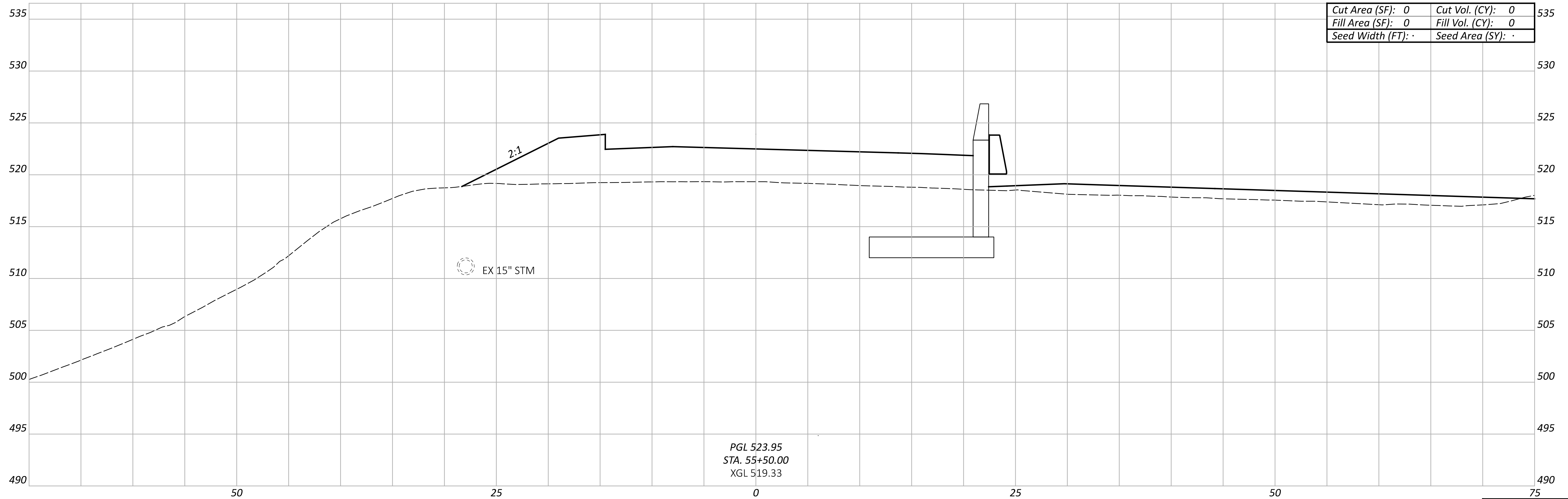
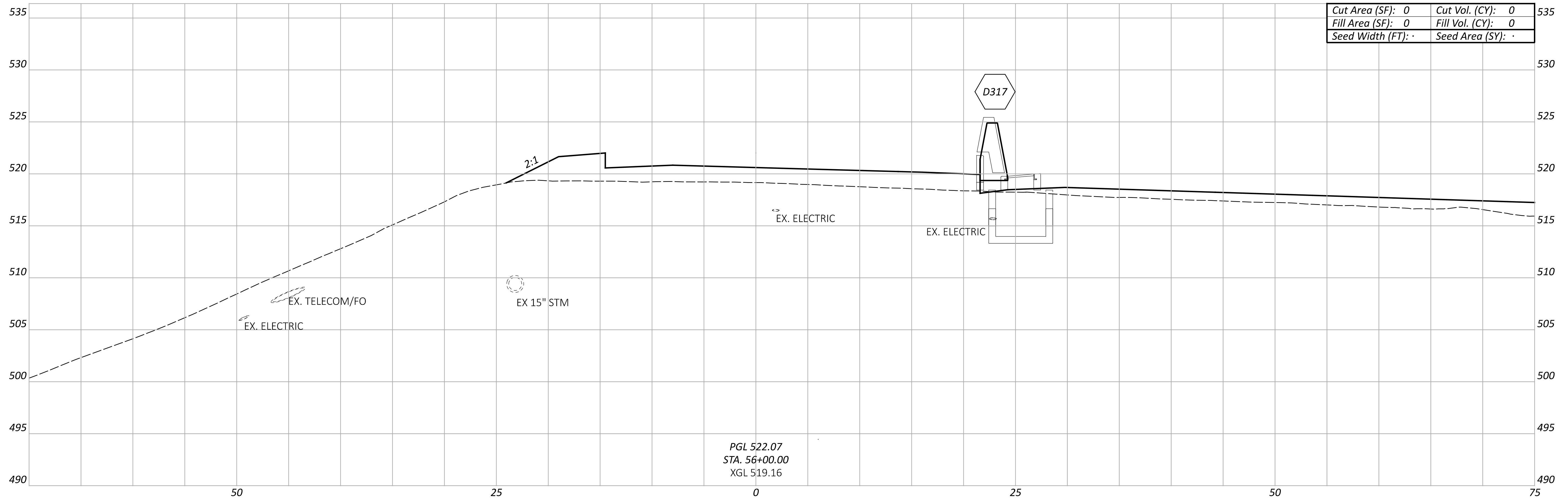
DESIGN AGENCY

DESIGNER
SJB

REVIEWER
MJR 06/21/24

PROJECT ID
114161

CROSS SECTIONS - RAMP C
STA 54+50.00 TO STA 55+00.00



CROSS SECTIONS - RAMP C
 STA 55+50.00 TO STA 56+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

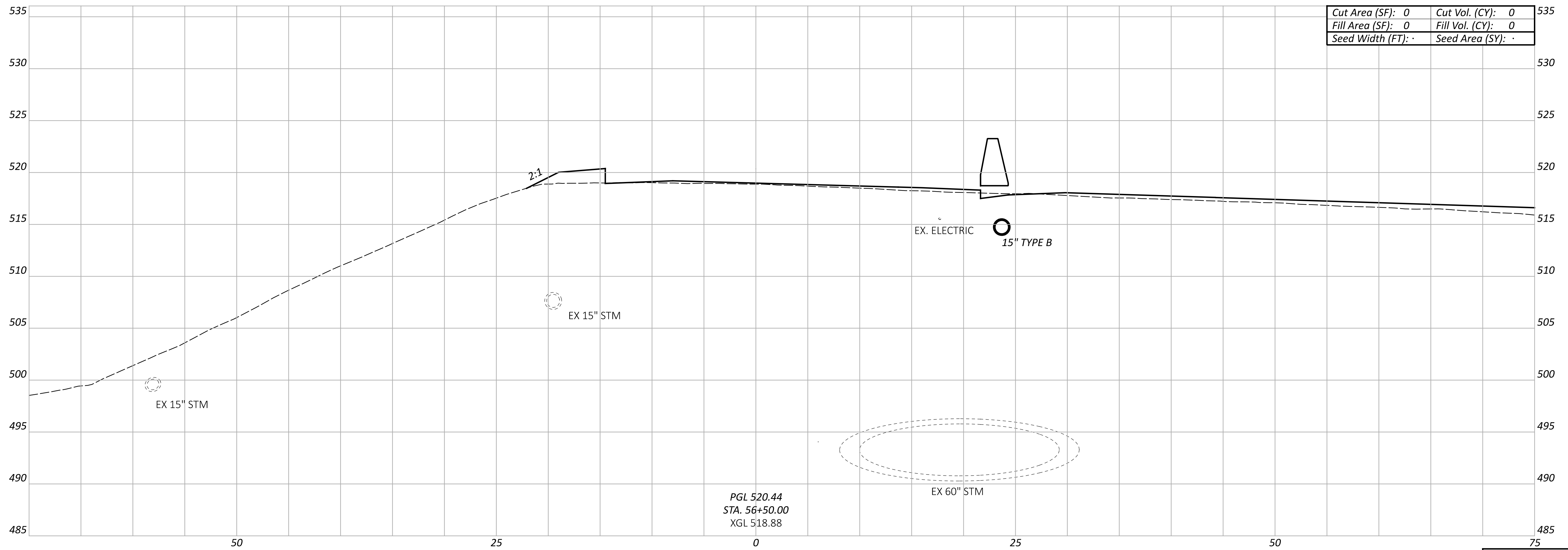
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill	TOTAL
.	.	.	P.180

463

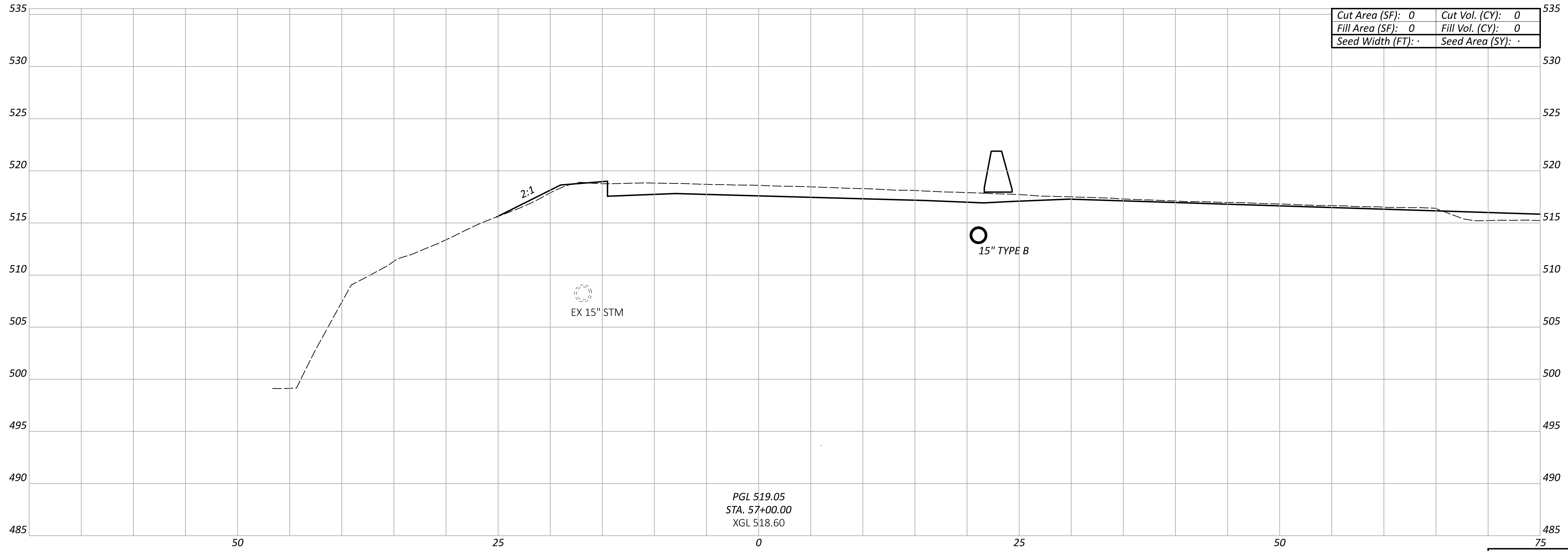


Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.181 463

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID

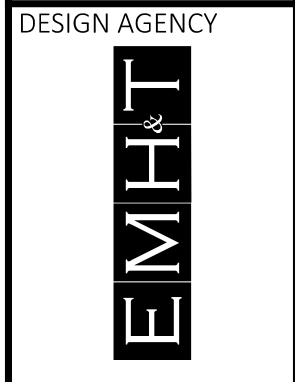
CROSS SECTIONS - RAMP C
 STA 56+50.00



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

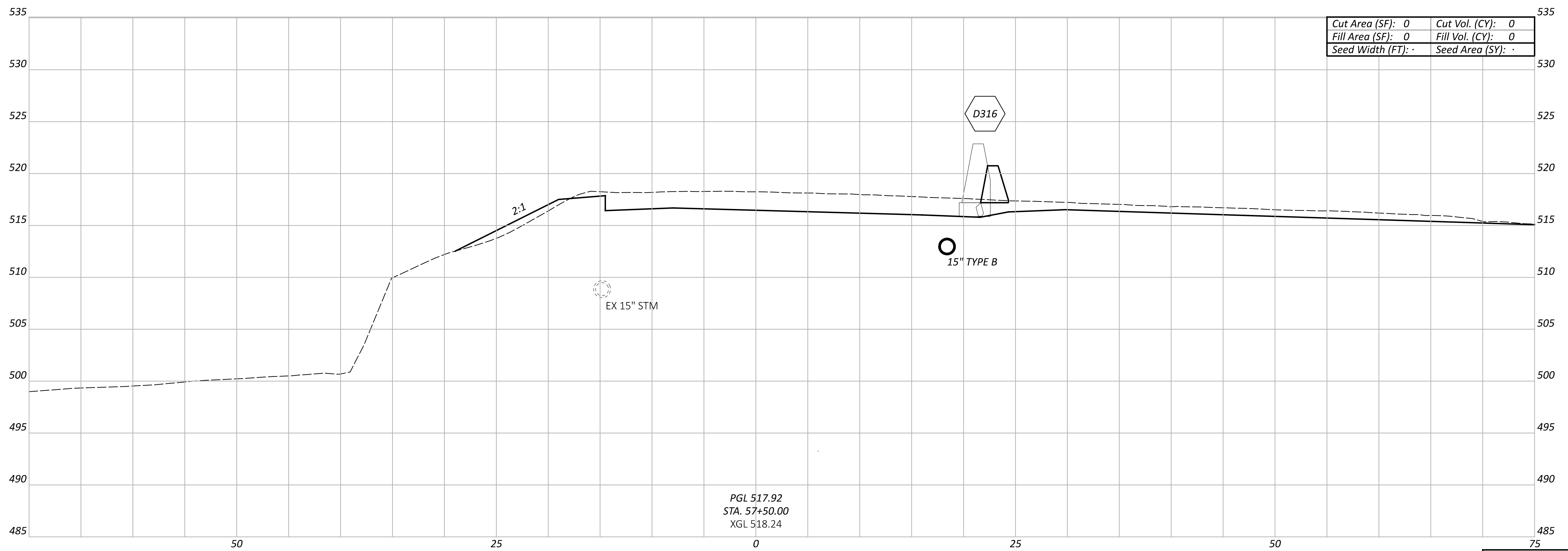
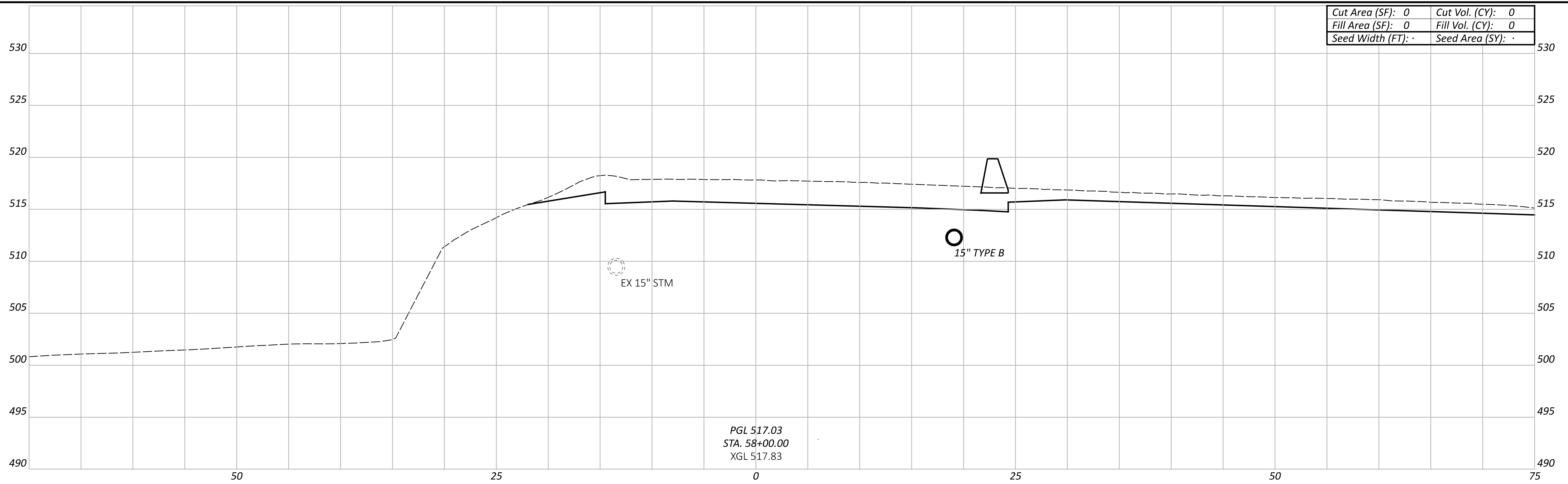
PGL 519.05
 STA. 57+00.00
 XGL 518.60

CROSS SECTIONS - RAMP C
 STA 57+00.00



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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.182 463



CROSS SECTIONS - RAMP C
 STA 57+50.00 TO STA 58+00.00

DESIGN AGENCY



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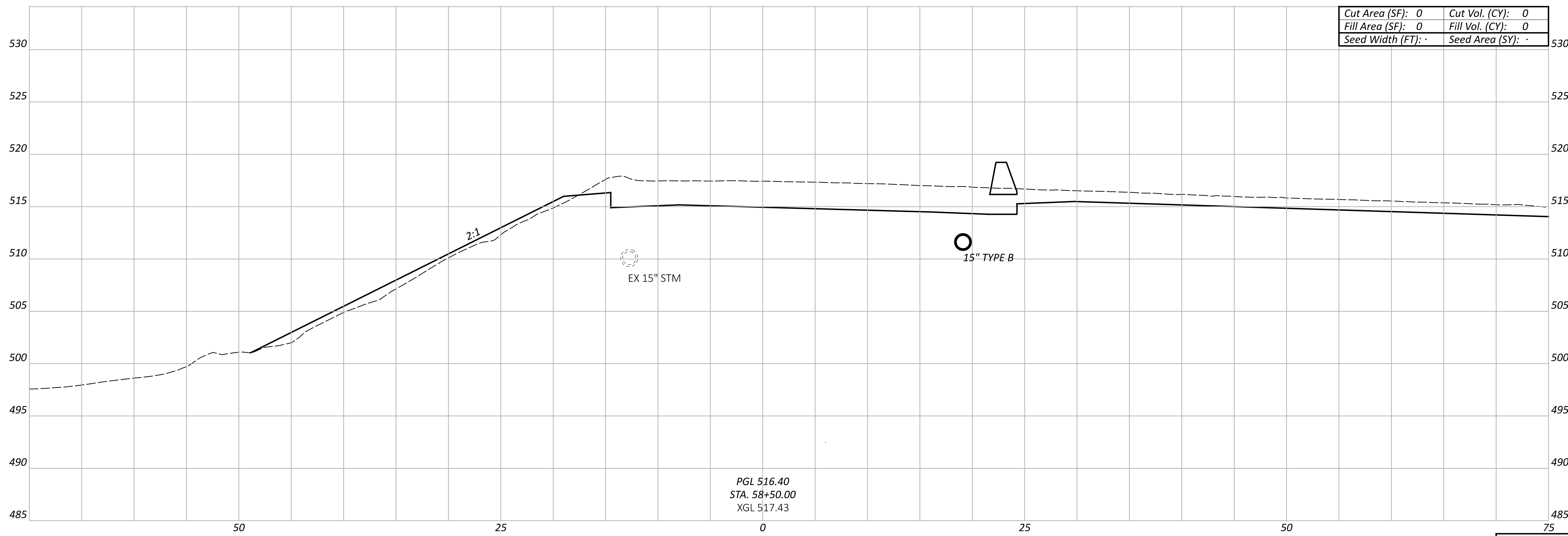
REVIEWER

MJR 06/21/24

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114161


Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.183	463



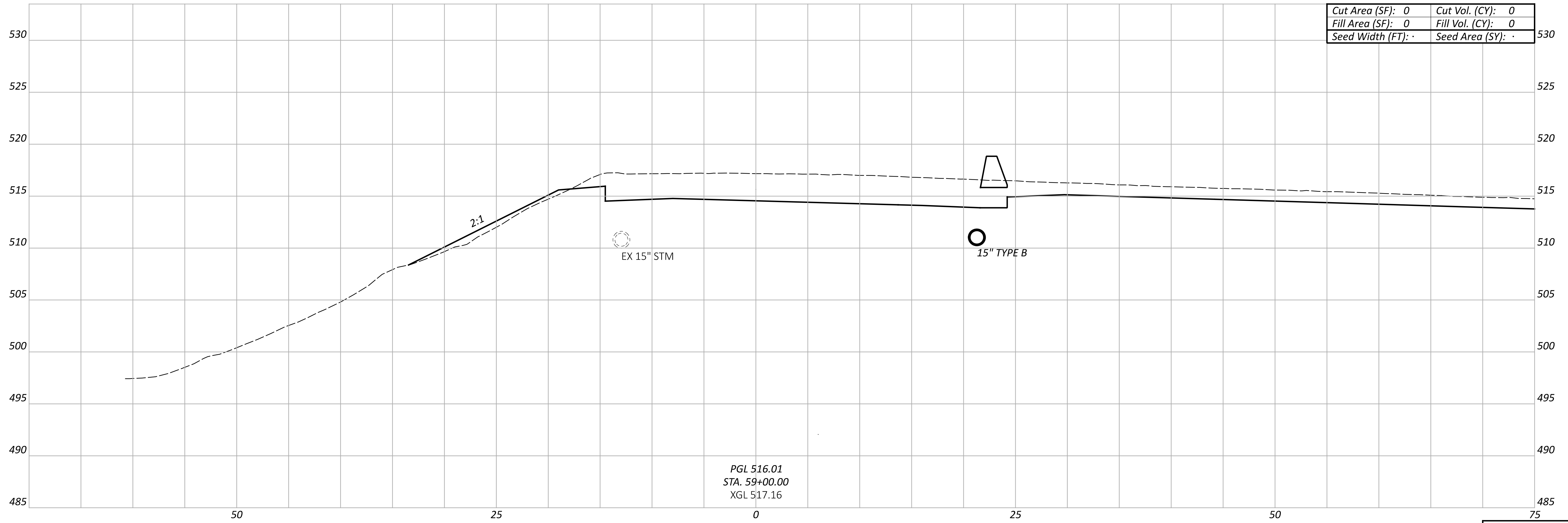
PGL 516.40
STA. 58+50.00
XGL 517.43

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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.184 463

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CROSS SECTIONS - RAMP C
STA 58+50.00



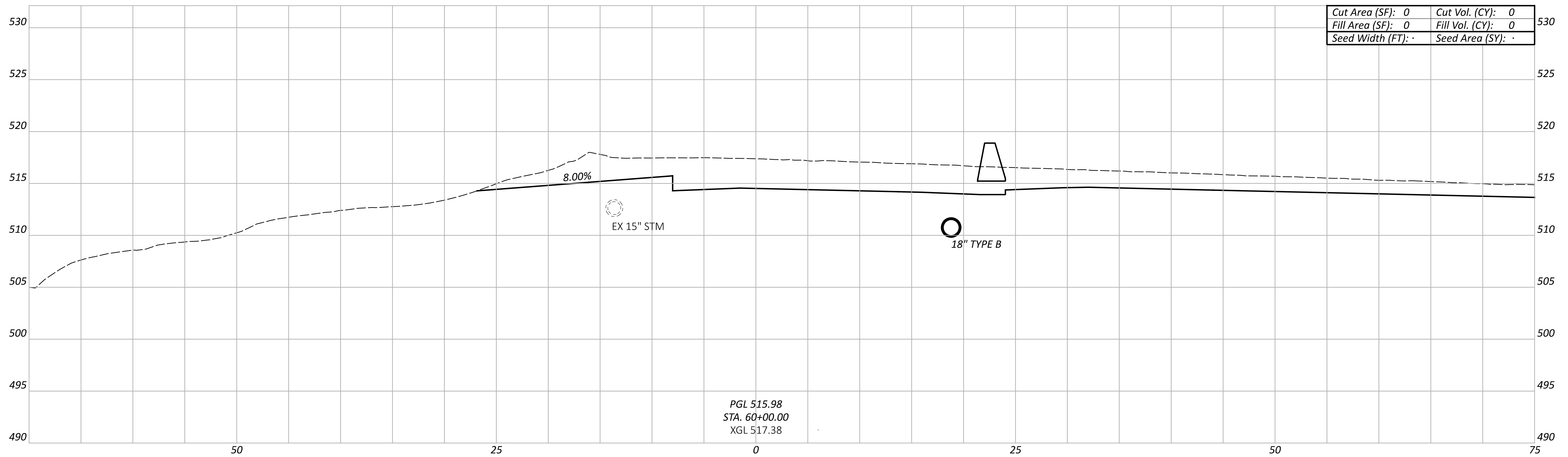
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STA. 59+00.00
XGL 517.16

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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.185 463

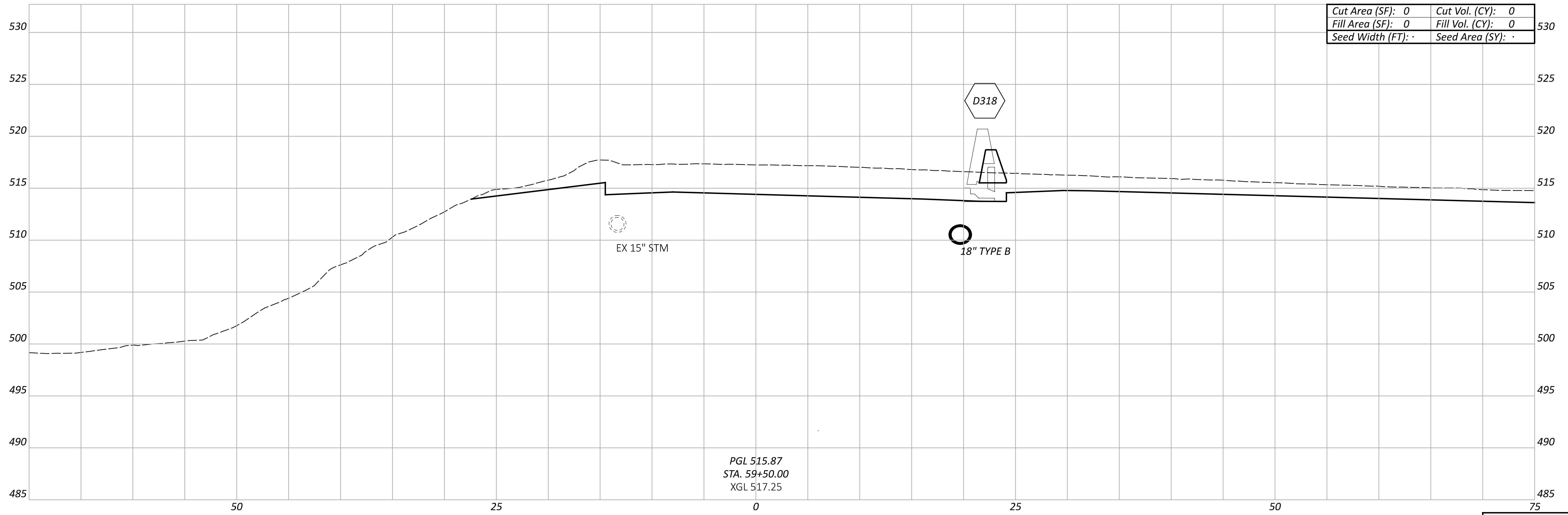
DESIGN AGENCY

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CROSS SECTIONS - RAMP C
STA 59+00.00



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 515.98
 STA. 60+00.00
 XGL 517.38



Cut Area (SF):	0	Cut Vol. (CY):	0
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Seed Width (FT):	.	Seed Area (SY):	.

PGL 515.87
 STA. 59+50.00
 XGL 517.25

CROSS SECTIONS - RAMP C
 STA 59+50.00 TO STA 60+00.00

DESIGN AGENCY



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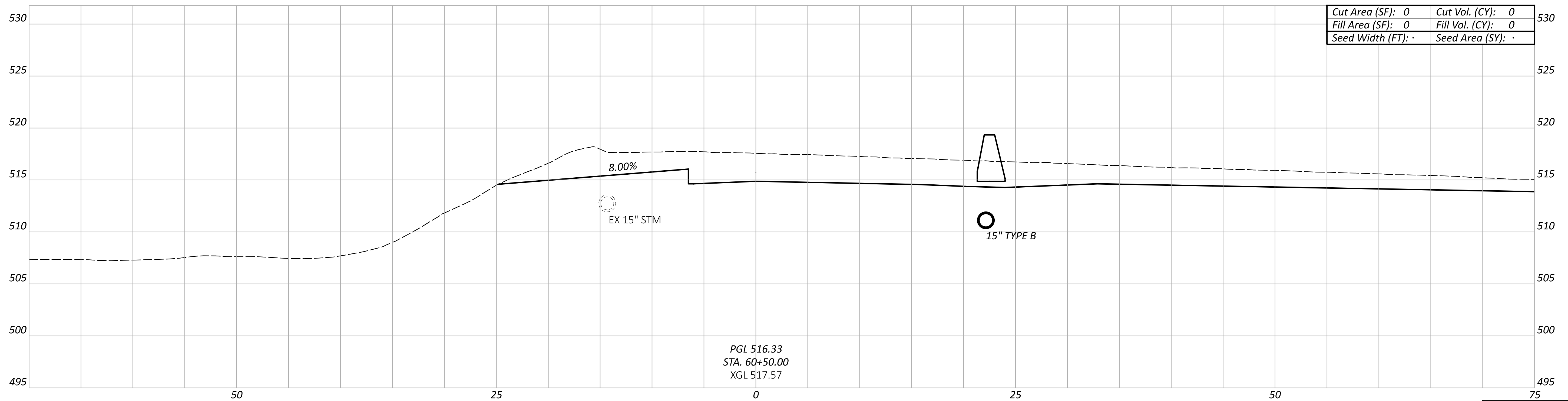
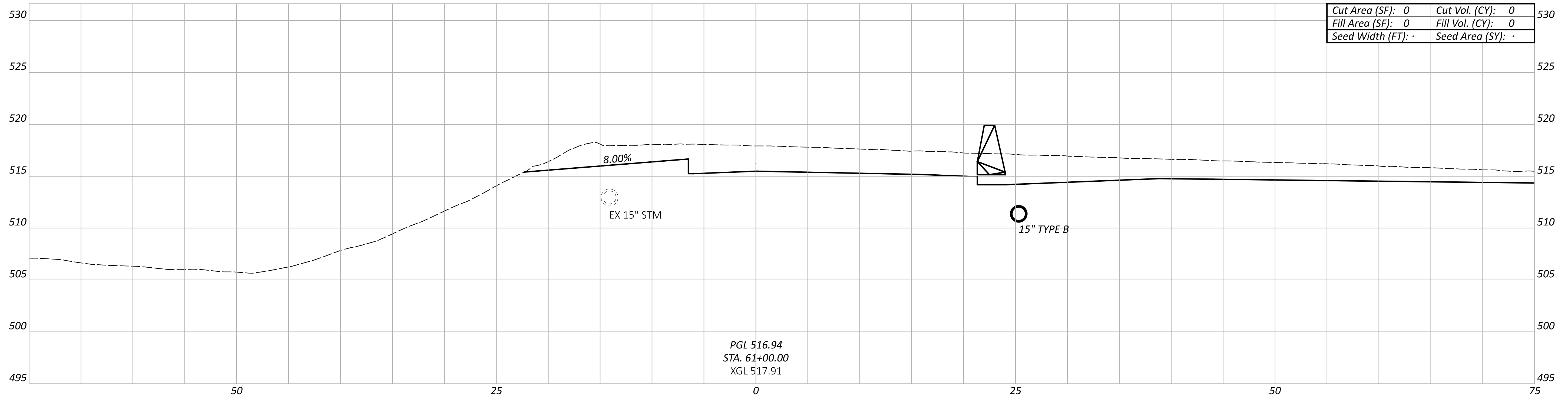
REVIEWER

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114161

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.186 463



CROSS SECTIONS - RAMP C
 STA 60+50.00 TO STA 61+00.00

DESIGN AGENCY



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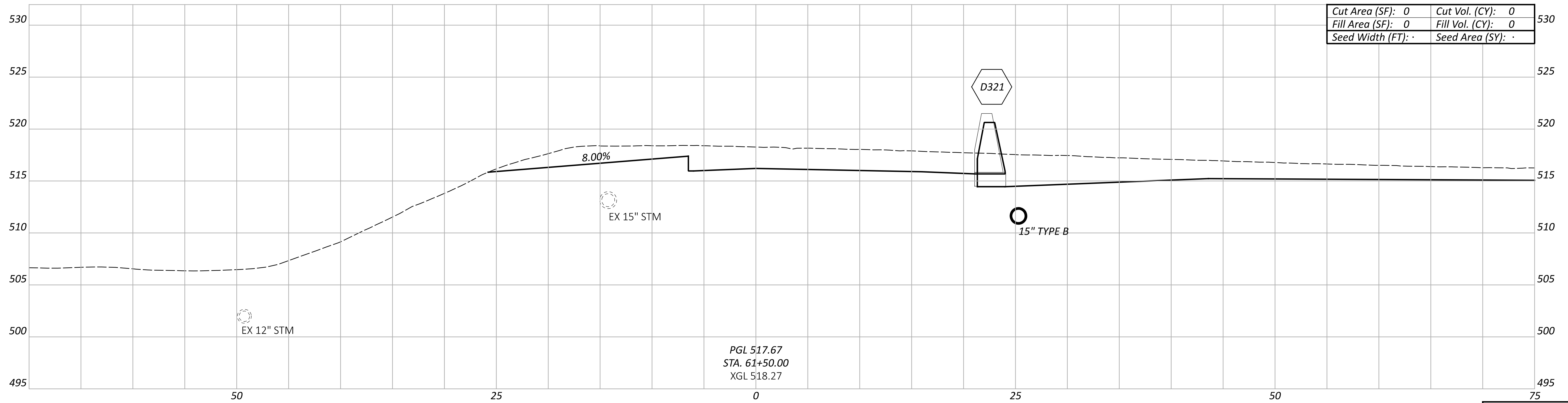
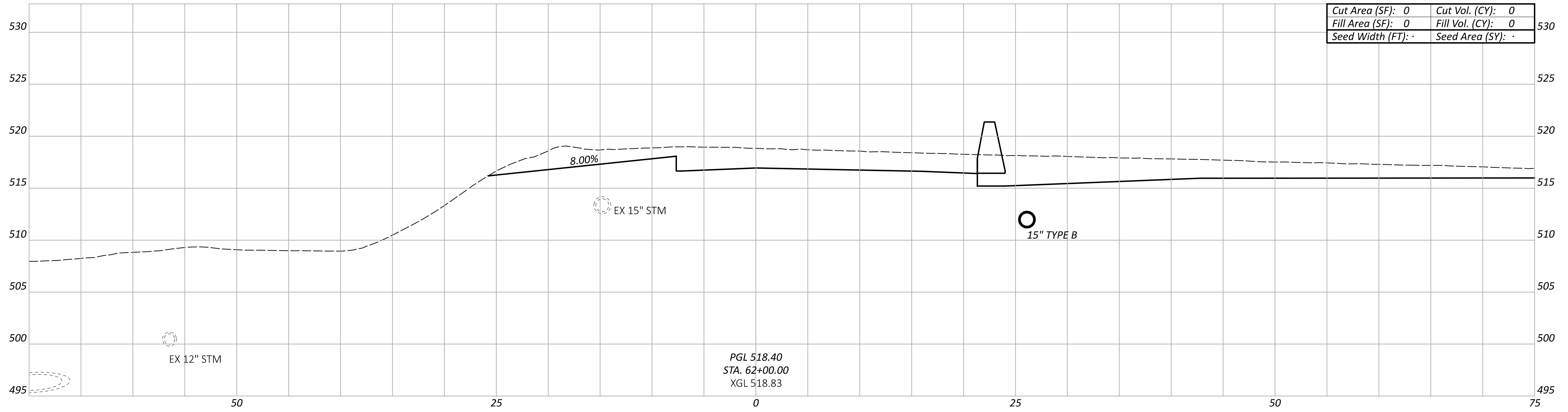
REVIEWER

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114161

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.187 463



CROSS SECTIONS - RAMP C
 STA 61+50.00 TO STA 62+00.00

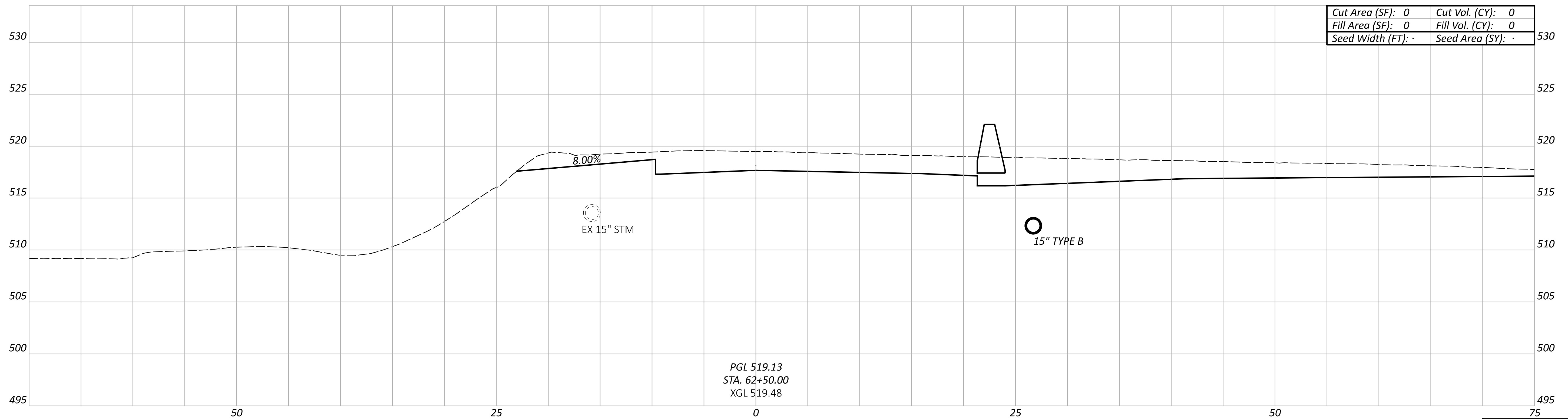
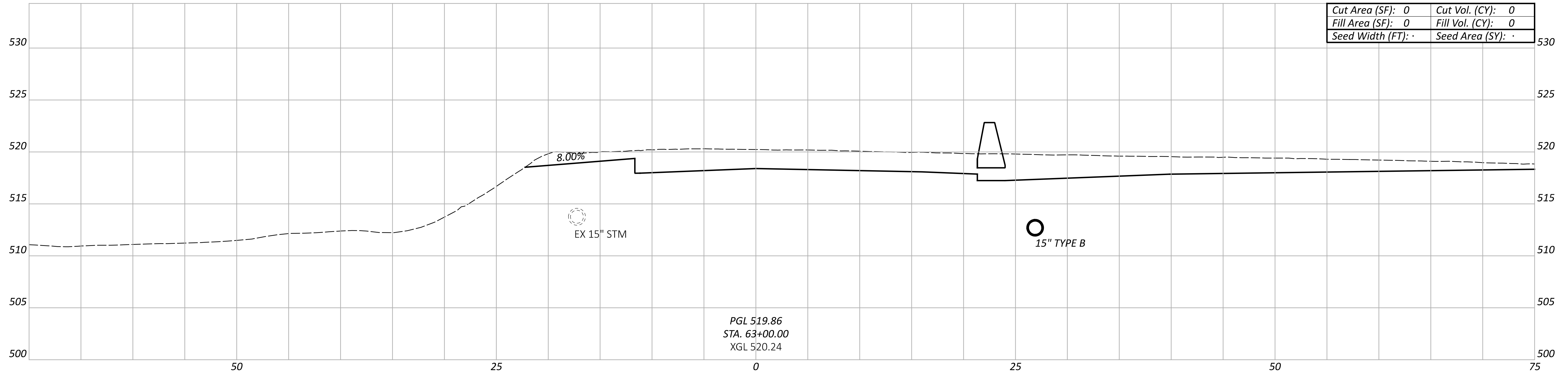
DESIGN AGENCY



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PROJECT ID

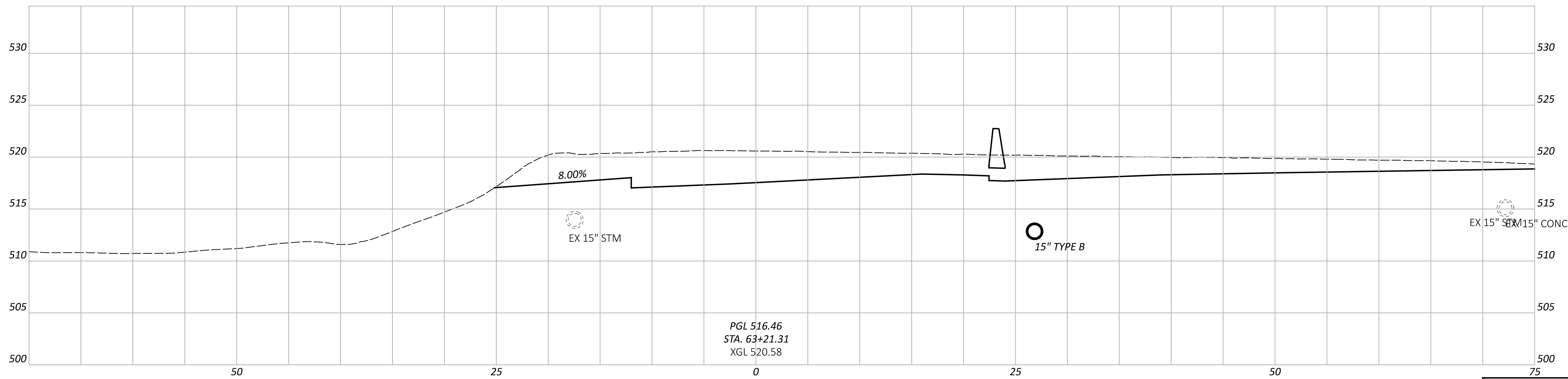
Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.188 463



Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.189 463

CROSS SECTIONS - RAMP C
 STA 62+50.00 TO STA 63+00.00

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PGL 516.46
STA. 63+21.31
XGL 520.58

EX 15" STM
EX 15" CONC STORM

15" TYPE B

Sheet Totals		
Seeding	Cut	Fill
.	.	.

DESIGN AGENCY
EMHT

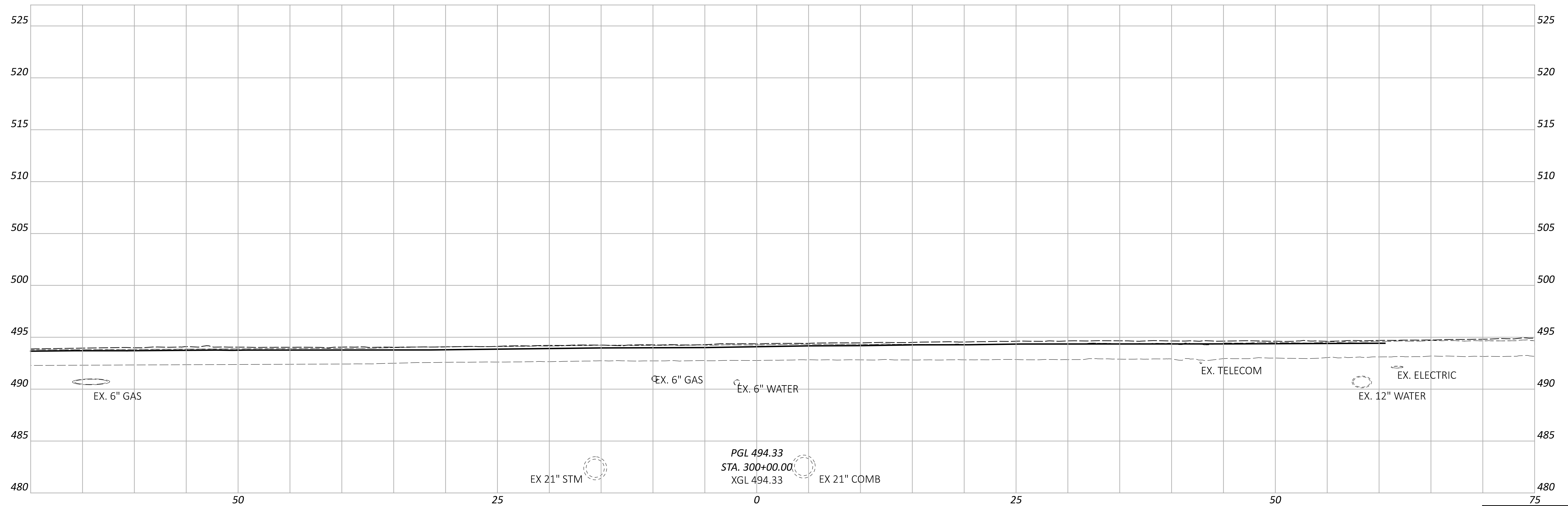
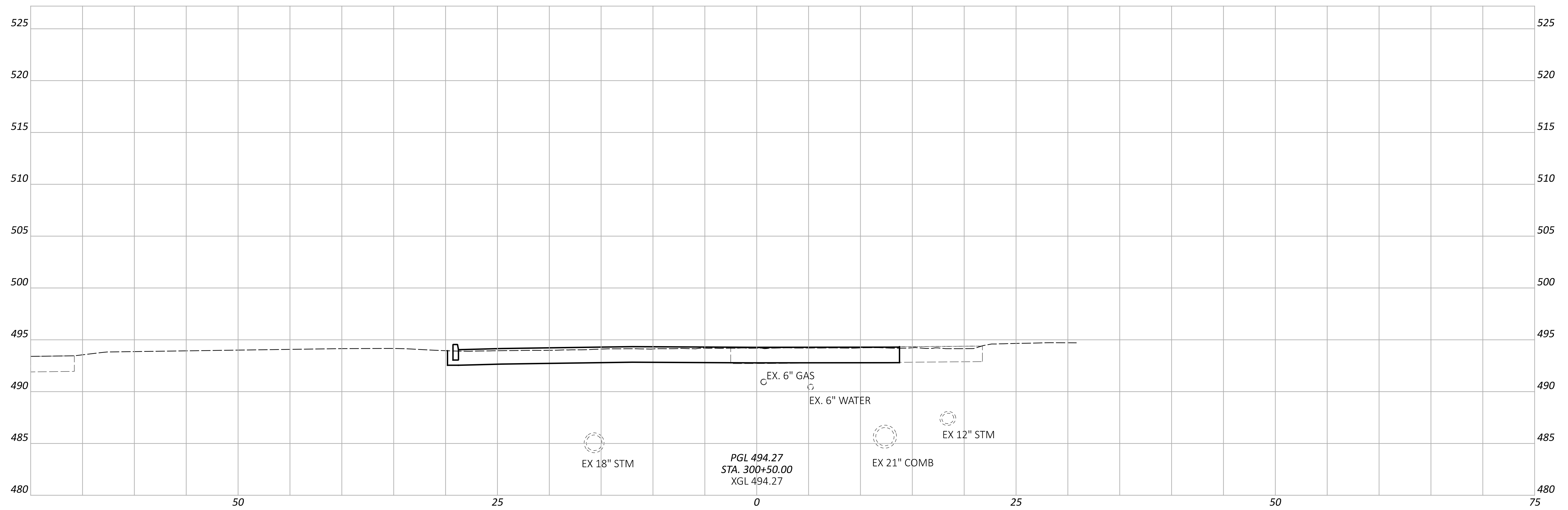
DESIGNER
SJB

REVIEWER
MJR 06/21/24

PROJECT ID
114161

SHEET	TOTAL
P.190	463

CROSS SECTIONS - RAMP C
STA 63+21.31



CROSS SECTIONS - RAMP D
 STA 300+00.00 TO STA 300+50.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

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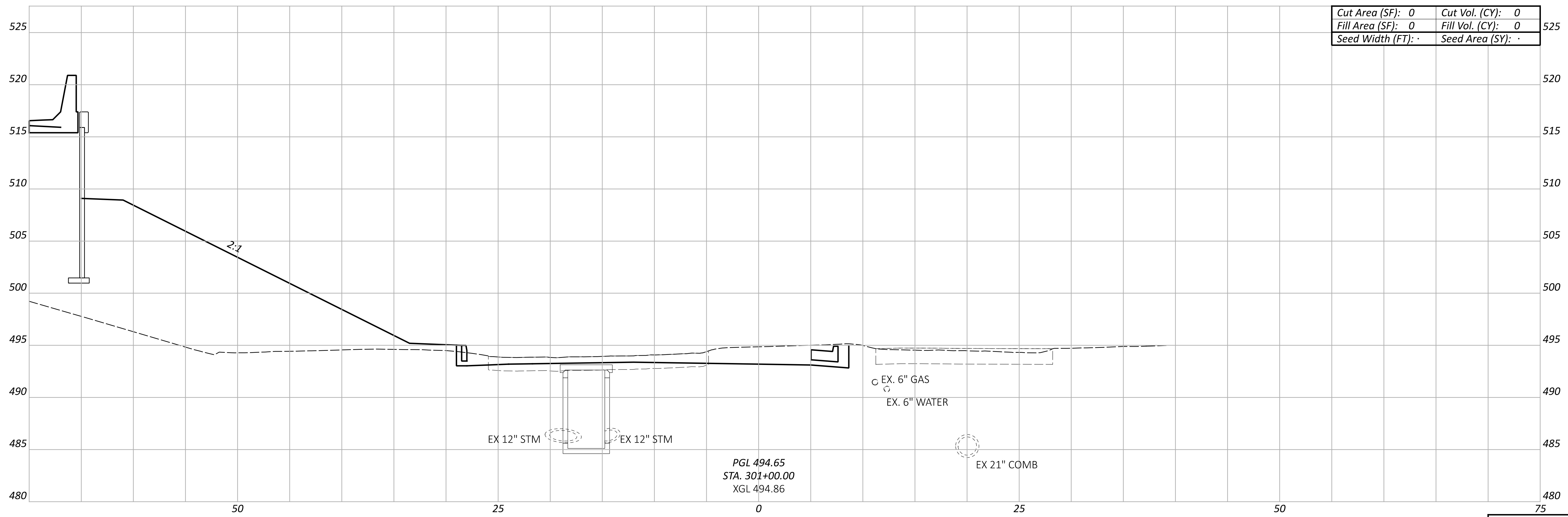
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill	TOTAL
.	.	.	463

SHEET TOTAL
 P.191 463



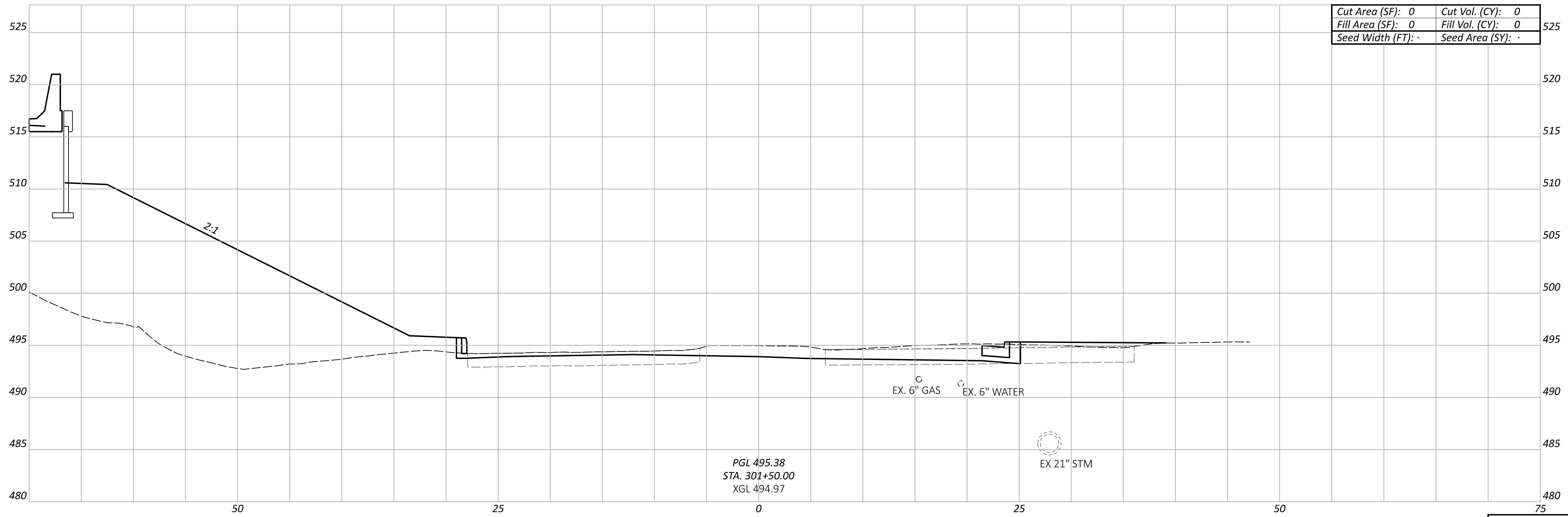
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PGL 494.65
 STA. 301+00.00
 XGL 494.86

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.192 463

DESIGN AGENCY
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CROSS SECTIONS - RAMP D
 STA 301+00.00



PGL 495.38
 STA. 301+50.00
 XGL 494.97

EX. 6" GAS
 EX. 6" WATER

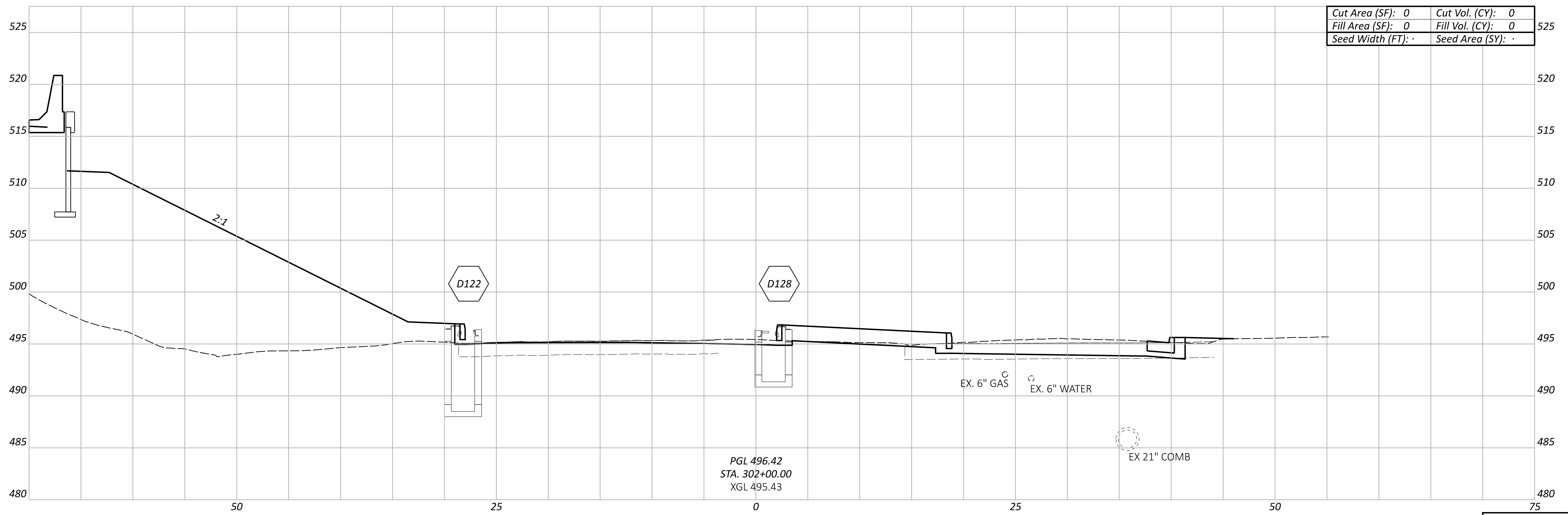
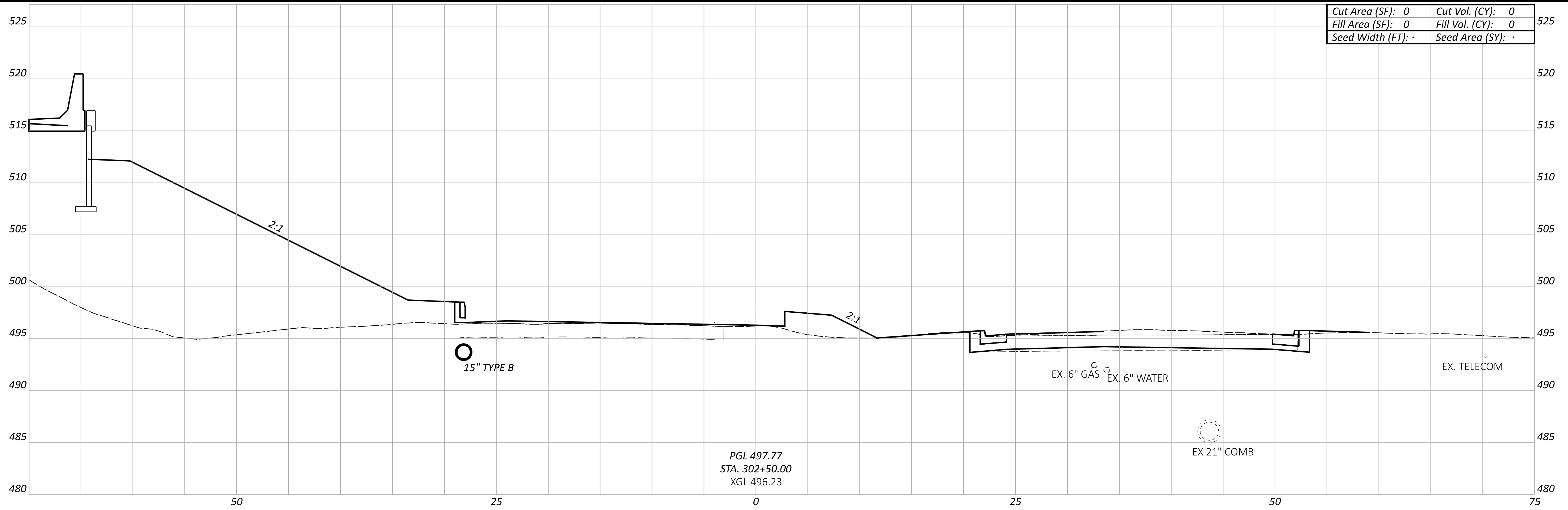
EX 21" STM

Cut Area (SF):	0	Cut Vol. (CY):	0
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Seed Width (FT):	.	Seed Area (SY):	.

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.193 463

DESIGN AGENCY
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CROSS SECTIONS - RAMP D
 STA 301+50.00



CROSS SECTIONS - RAMP D
 STA 302+00.00 TO STA 302+50.00

DESIGN AGENCY



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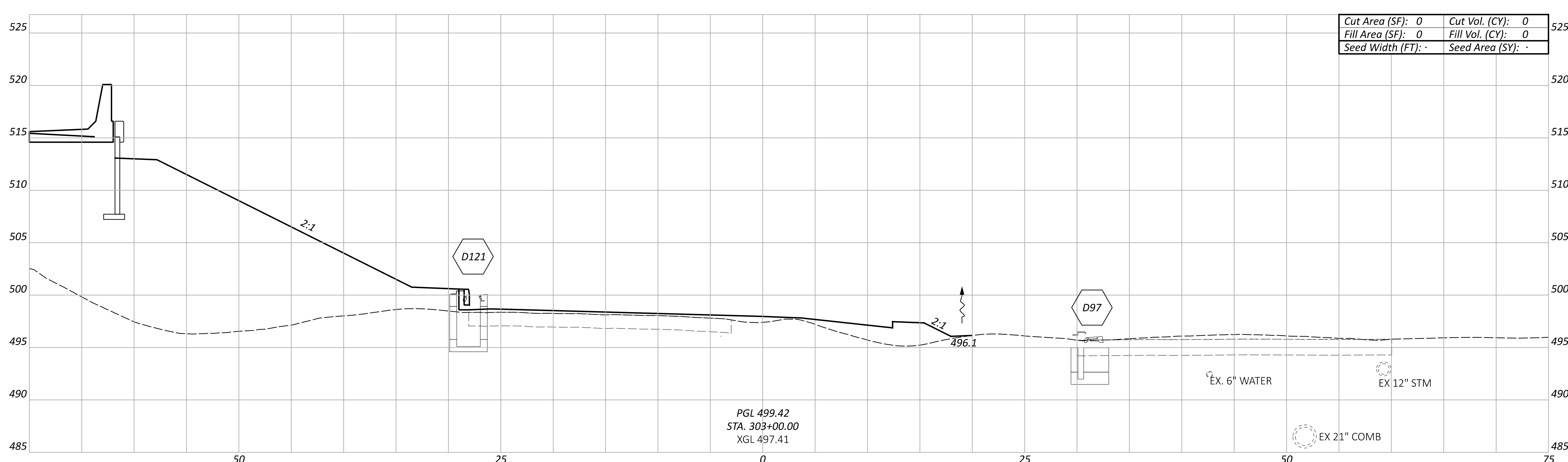
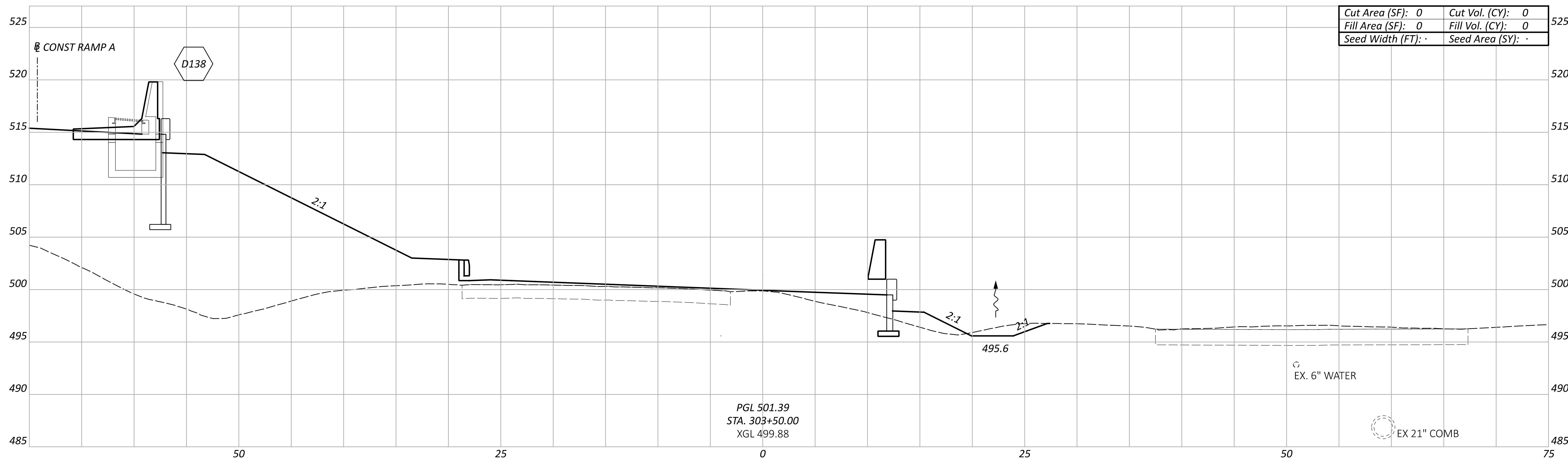
REVIEWER

MJR 06/21/24


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114161

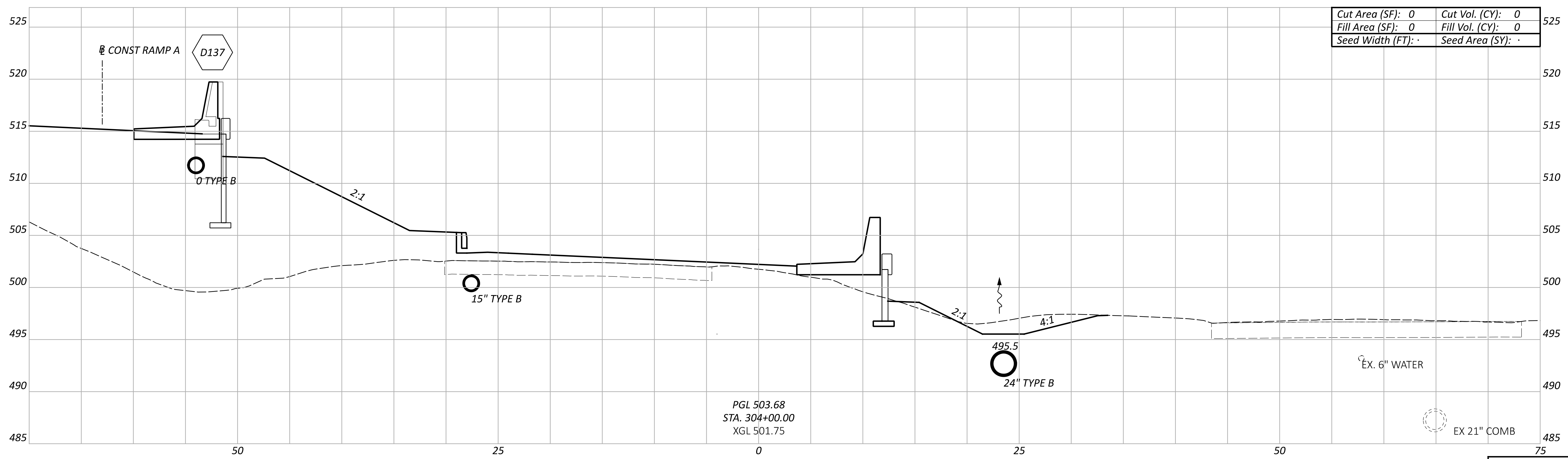
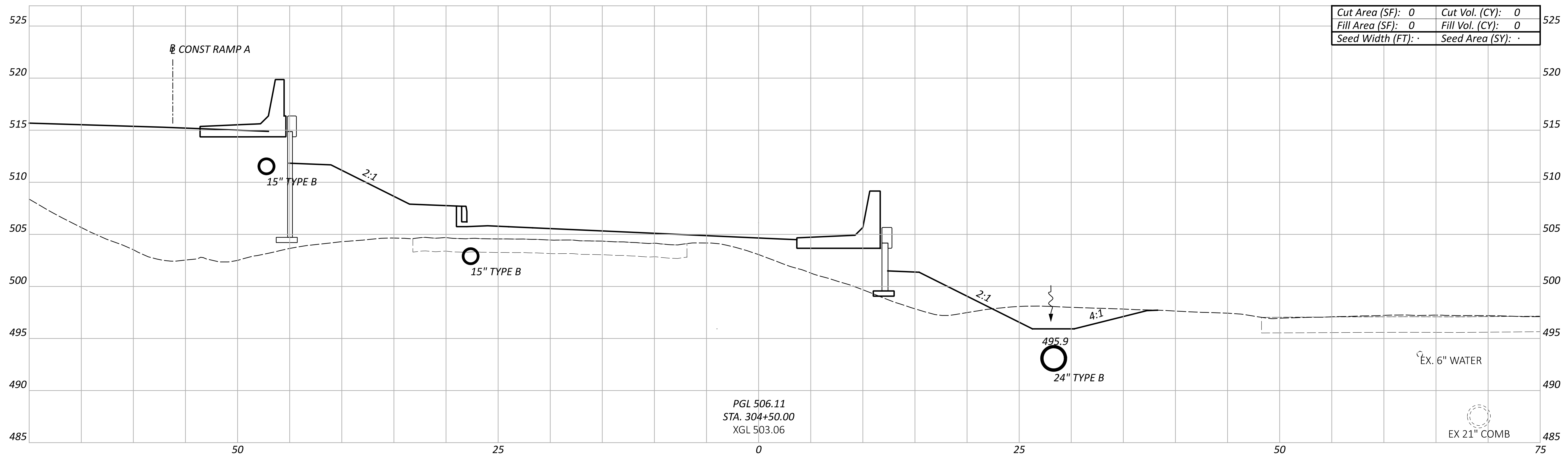
Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.194	463



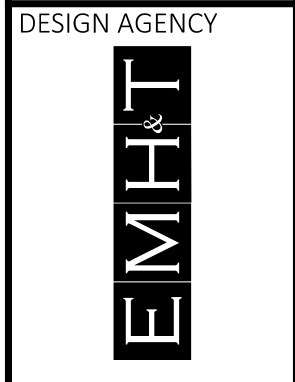
CROSS SECTIONS - RAMP D
STA 303+00.00 TO STA 303+50.00

DESIGN AGENCY

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 MJR 06/21/24
 PROJECT ID
 114161

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.195 463

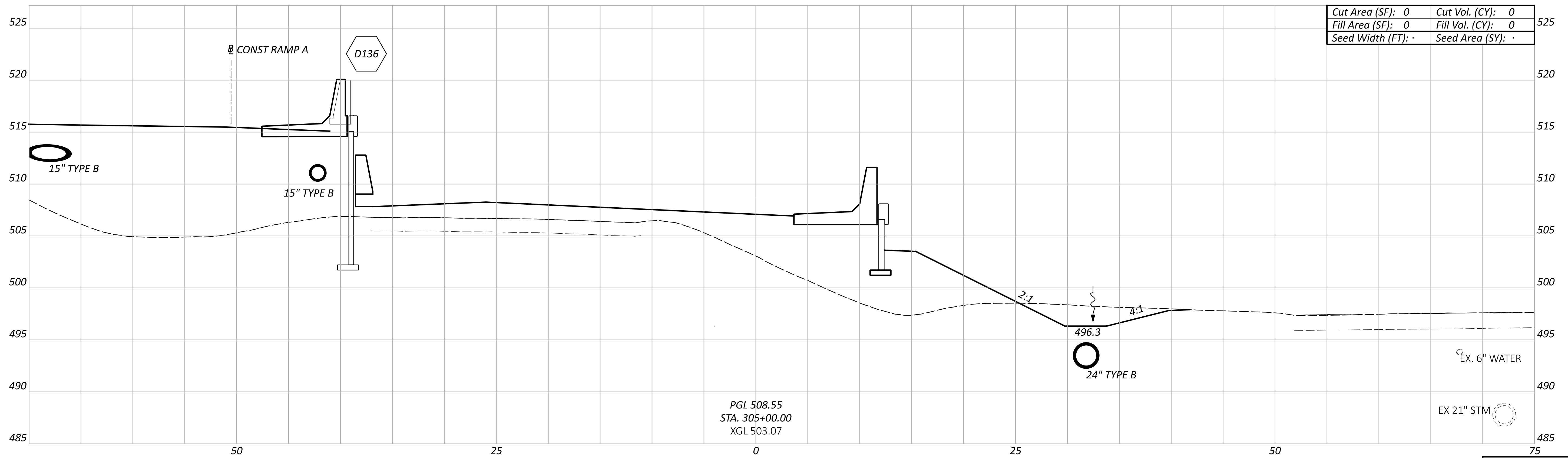
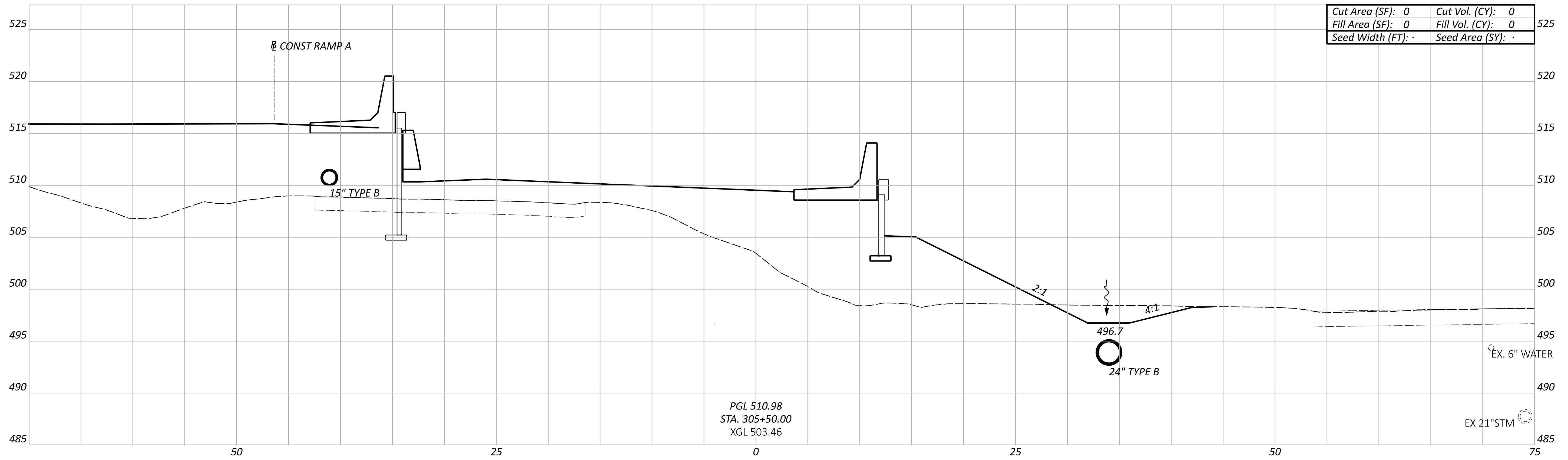


CROSS SECTIONS - RAMP D
STA 304+00.00 TO STA 304+50.00



DESIGN AGENCY
DESIGNER
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REVIEWER
MJR 06/21/24
PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.196 463



CROSS SECTIONS - RAMP D
 STA 305+00.00 TO STA 305+50.00

DESIGN AGENCY



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PROJECT ID

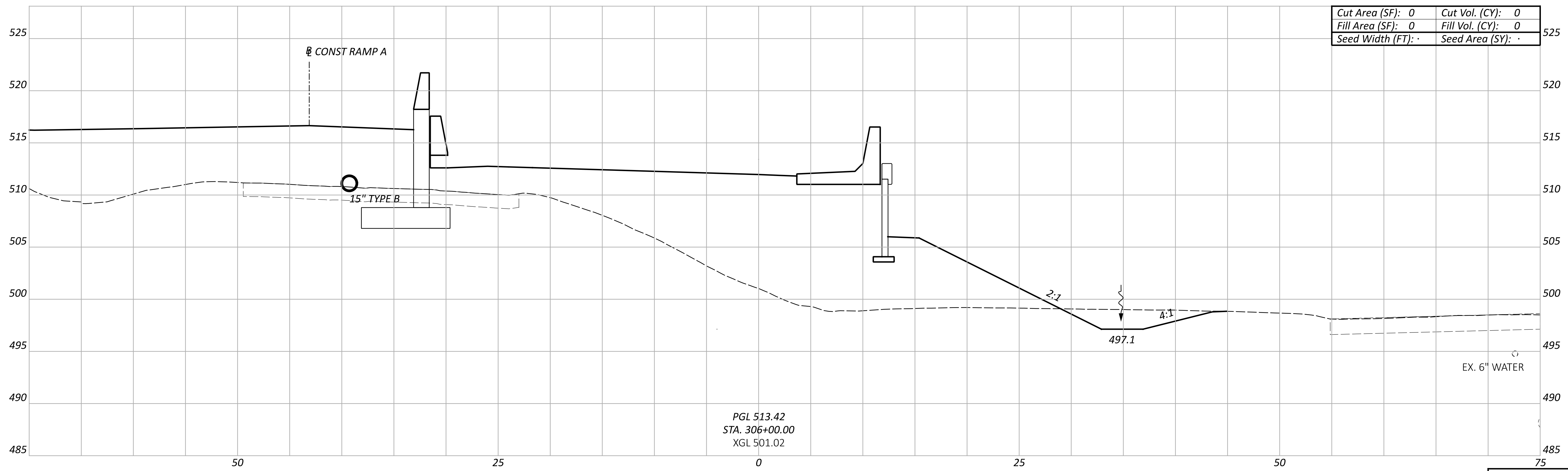
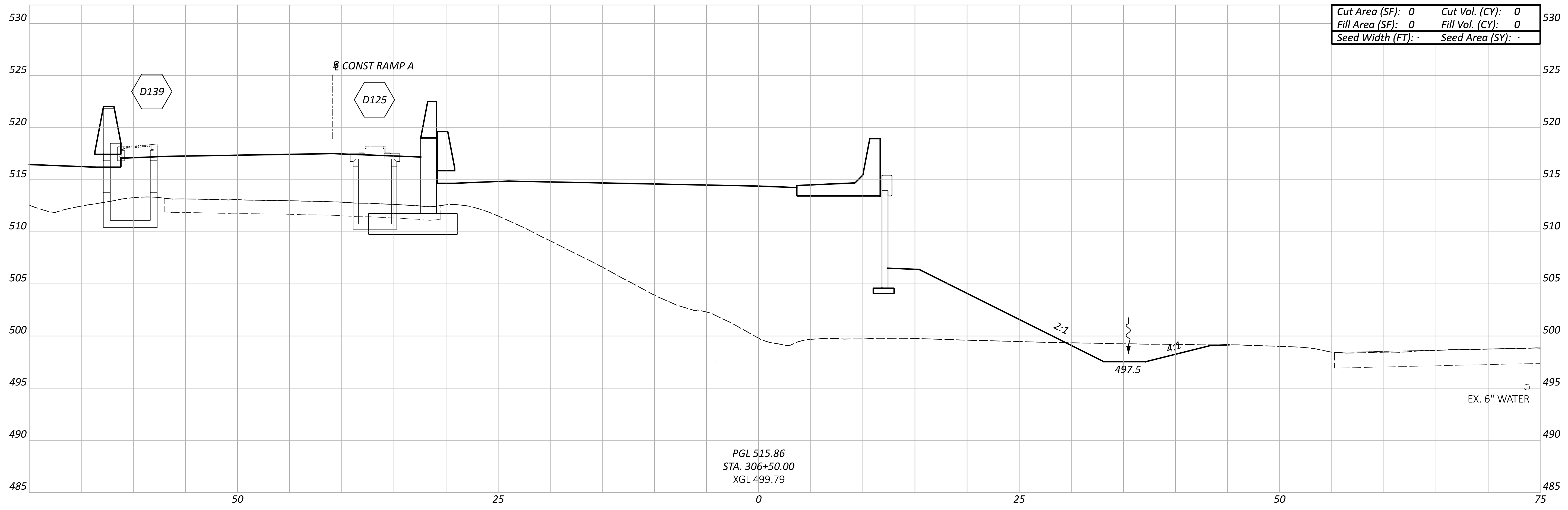
114161

Sheet Totals

Seeding	Cut	Fill
.	.	.

SHEET TOTAL

P.197 463



CROSS SECTIONS - RAMP D
STA 306+00.00 TO STA 306+50.00

DESIGN AGENCY

DESIGNER

SJB

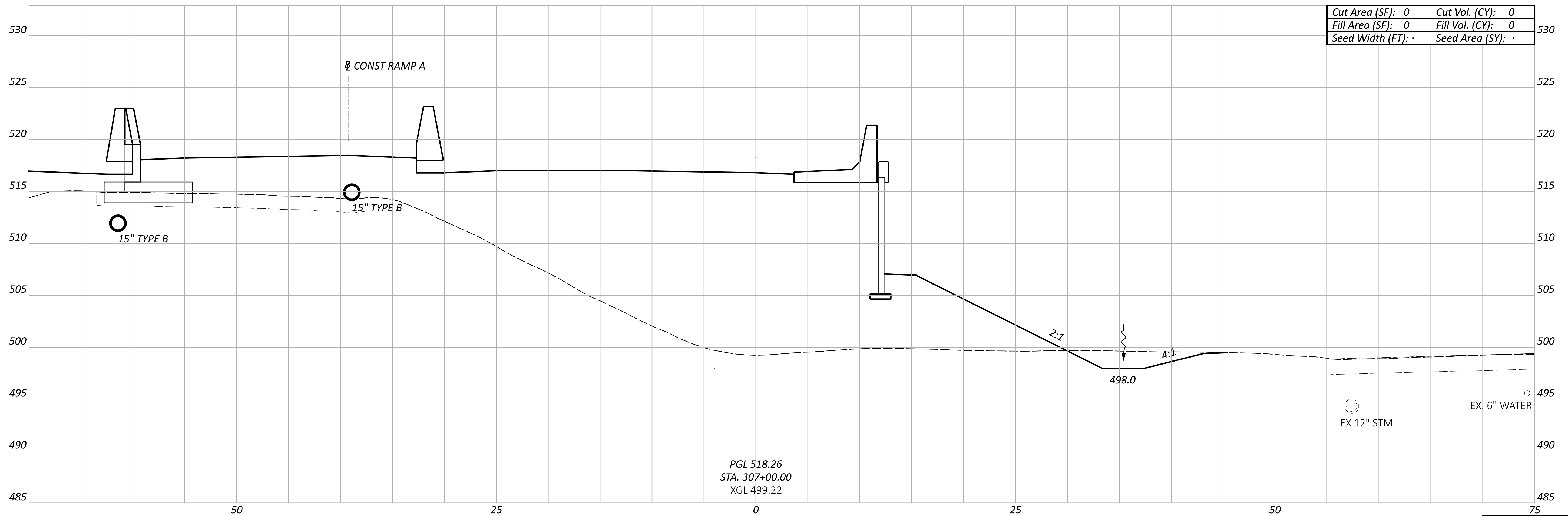
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.198 463



PGL 518.26
 STA. 307+00.00
 XGL 499.22

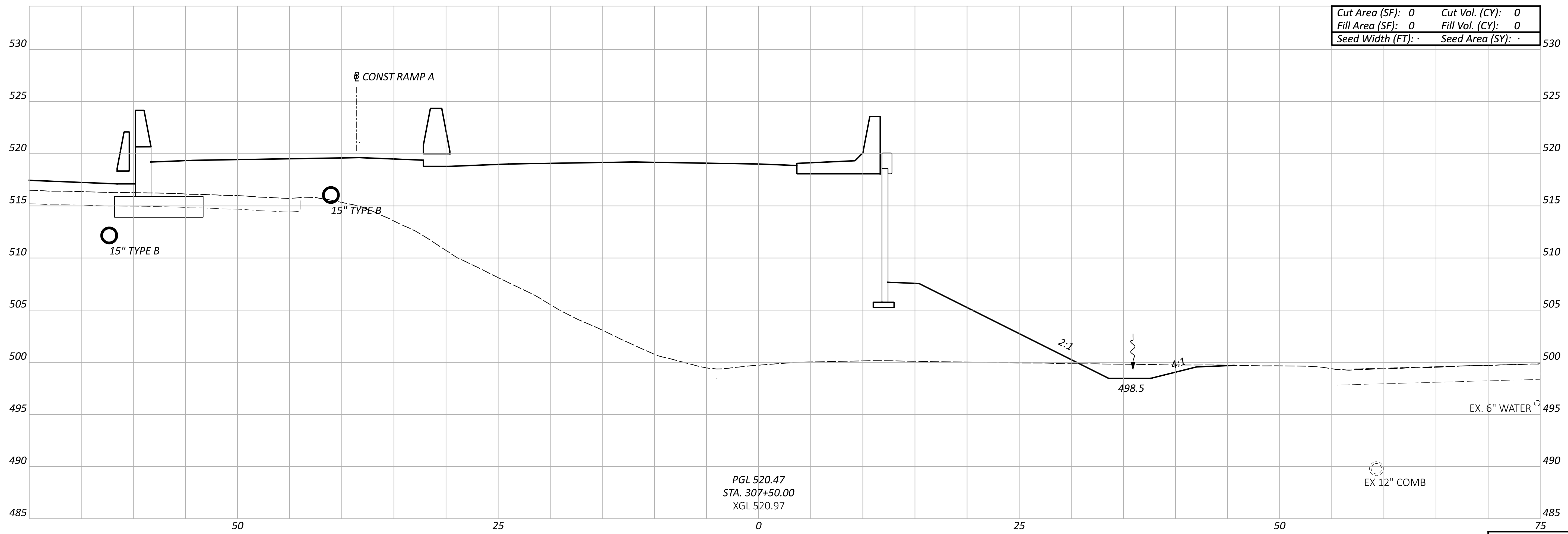
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Seed Width (FT): .	Seed Area (SY): .

EX 12" STM
 EX. 6" WATER

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	463

CROSS SECTIONS - RAMP D
 STA 307+00.00

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
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 PROJECT ID



PGL 520.47
STA. 307+50.00
XGL 520.97

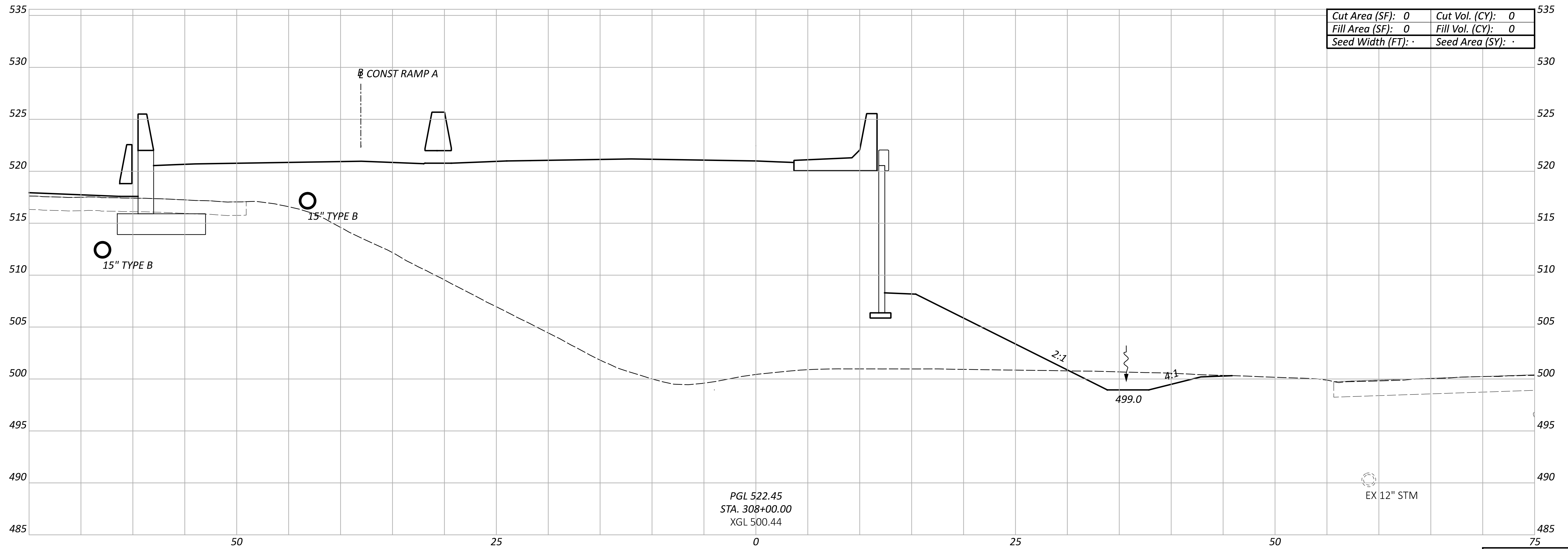
Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	463

CROSS SECTIONS - RAMP D
STA 307+50.00

DESIGN AGENCY

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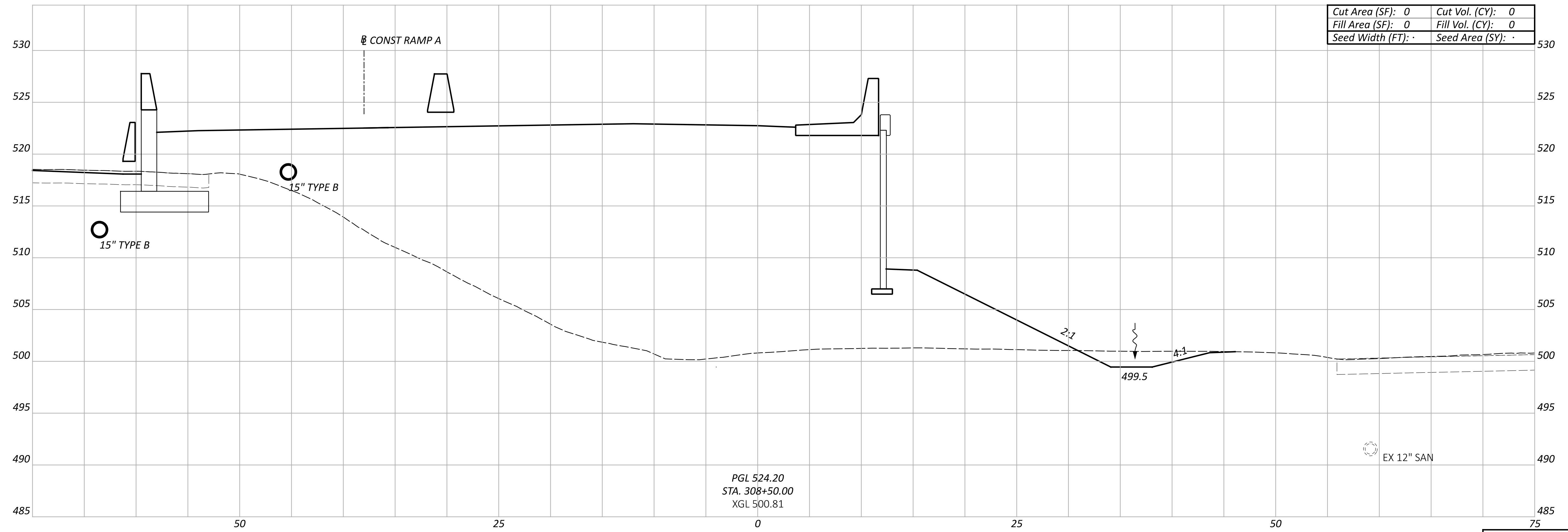
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 STA. 308+00.00
 XGL 500.44

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Seed Width (FT):	-	Seed Area (SY):	-

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.201 463

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CROSS SECTIONS - RAMP D
 STA 308+00.00




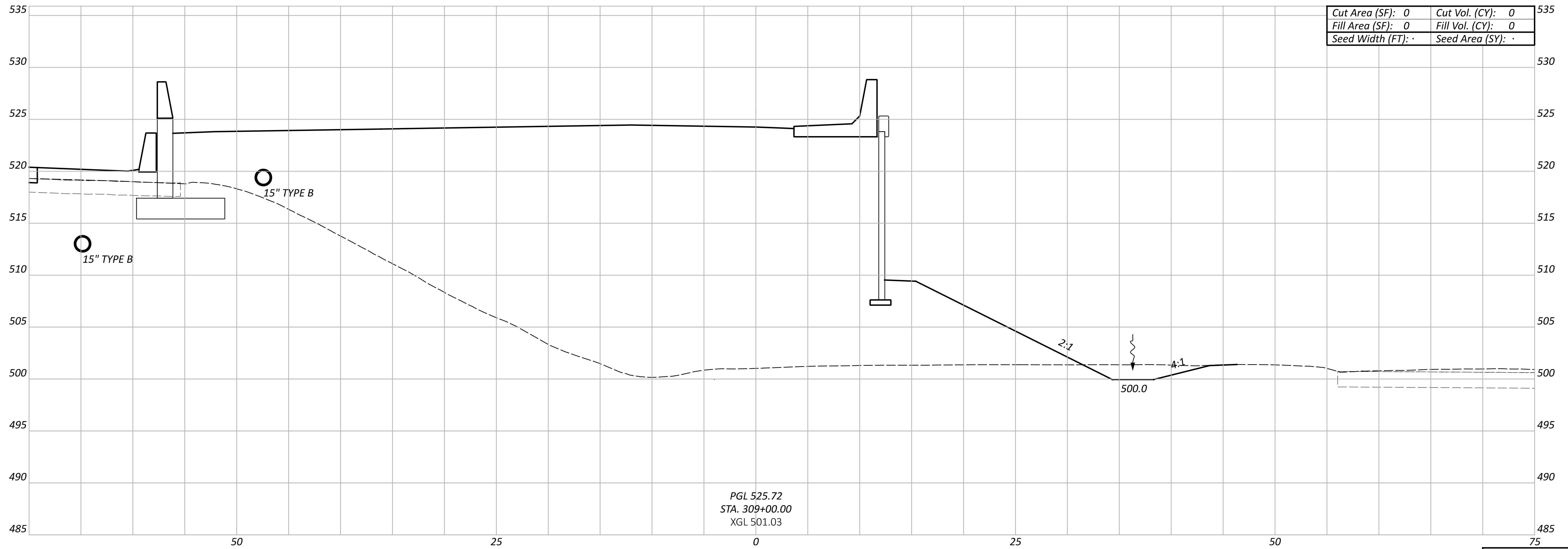
PGL 524.20
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 XGL 500.81

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Seed Width (FT):	.	Seed Area (SY):	.

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	463

CROSS SECTIONS - RAMP D
 STA 308+50.00

DESIGN AGENCY

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 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

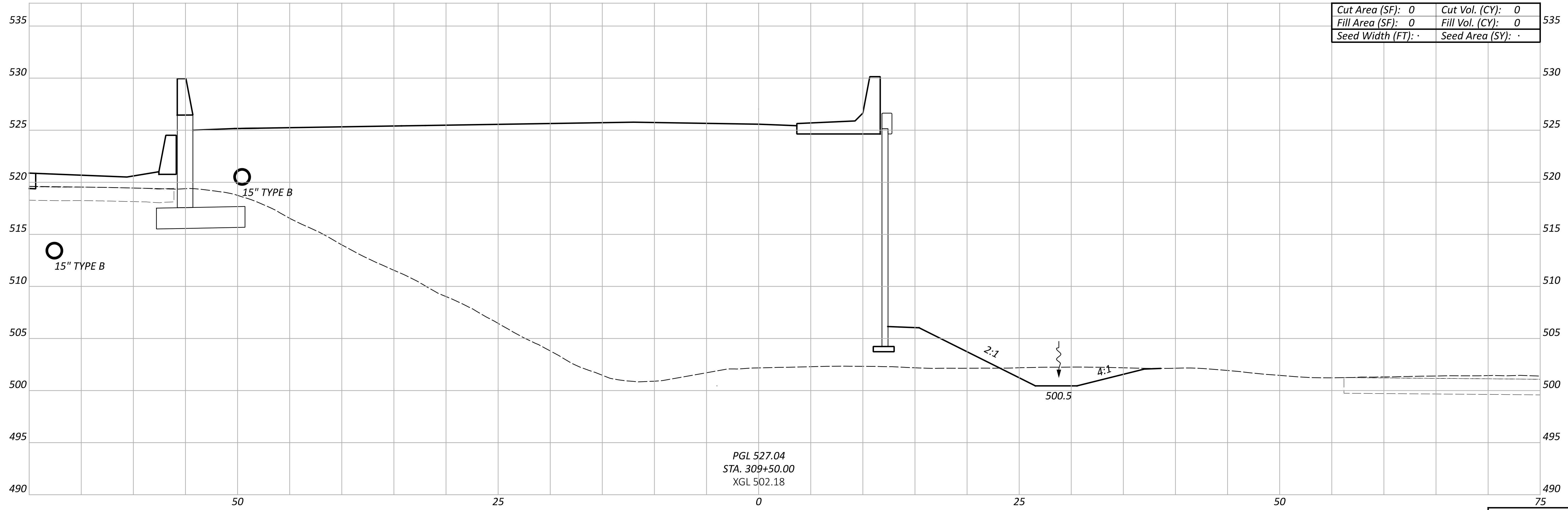


PGL 525.72
 STA. 309+00.00
 XGL 501.03

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.203	463

DESIGN AGENCY
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 REVIEWER
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 PROJECT ID

CROSS SECTIONS - RAMP D
 STA 309+00.00




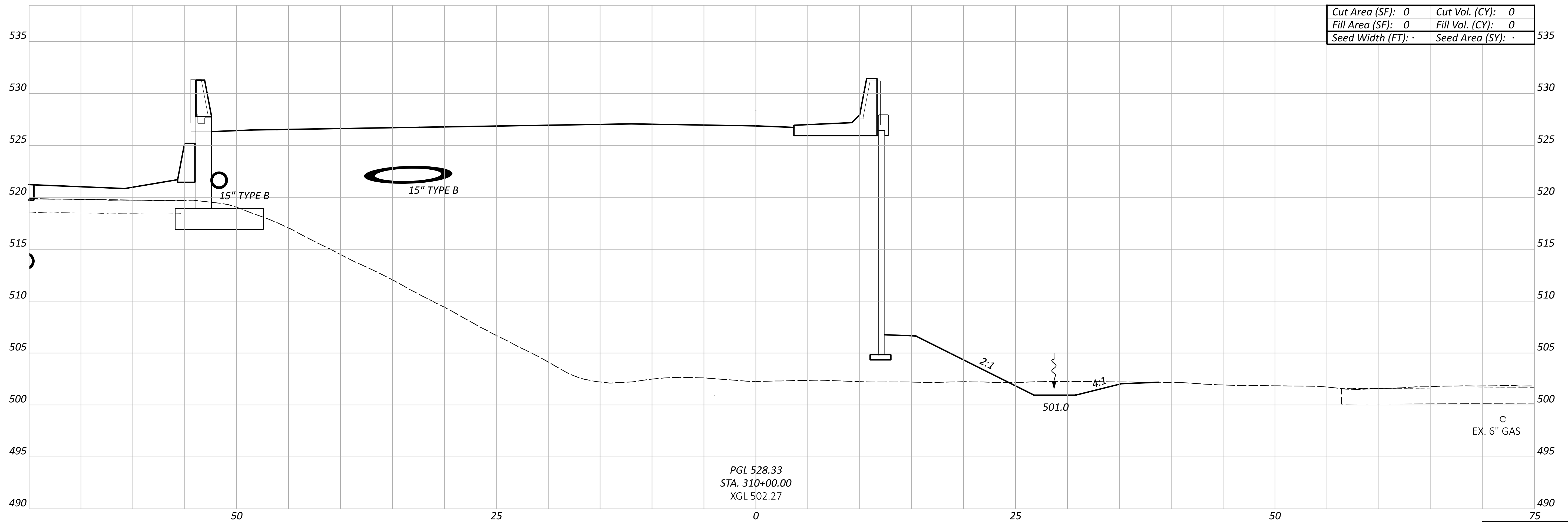
PGL 527.04
STA. 309+50.00
XGL 502.18

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Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.204	463

CROSS SECTIONS - RAMP D
STA 309+50.00

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PGL 528.33
STA. 310+00.00
XGL 502.27

EX. 6" GAS

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.205	463

DESIGN AGENCY



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PROJECT ID

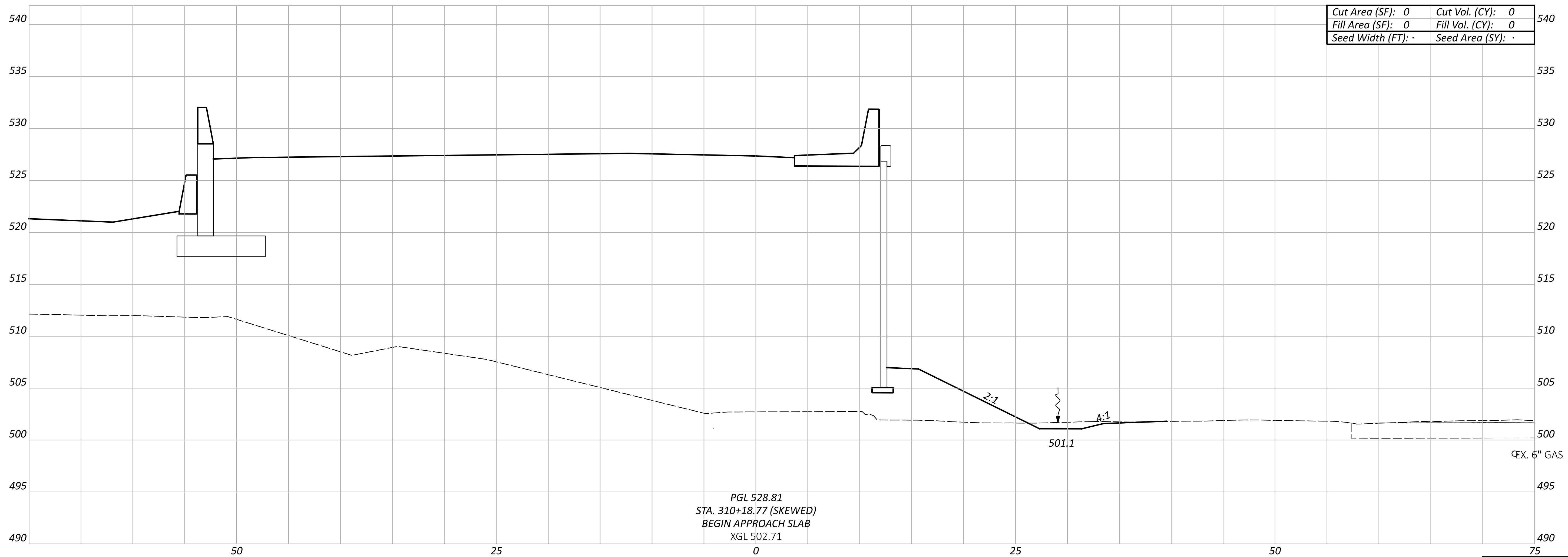
114161

SHEET TOTAL

P.205

463

CROSS SECTIONS - RAMP D
STA 310+00.00



PGL 528.81
STA. 310+18.77 (SKEWED)
BEGIN APPROACH SLAB
XGL 502.71

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.206	463

DESIGN AGENCY



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MJR 06/21/24

PROJECT ID

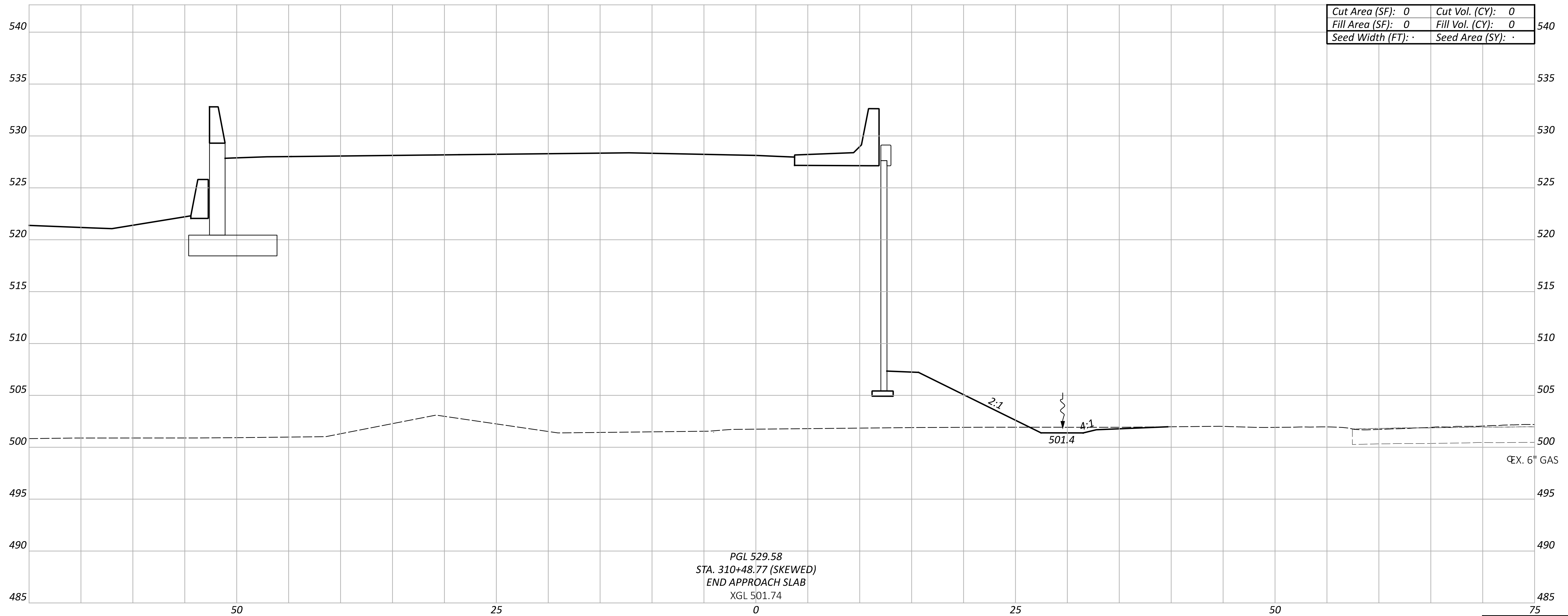
114161

SHEET

TOTAL

P.206 463

CROSS SECTIONS - RAMP D
STA 310+18.77



PGL 529.58
STA. 310+48.77 (SKEWED)
END APPROACH SLAB
XGL 501.74

EX. 6" GAS

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.207	463

DESIGN AGENCY



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REVIEWER

MJR 06/21/24

PROJECT ID

114161

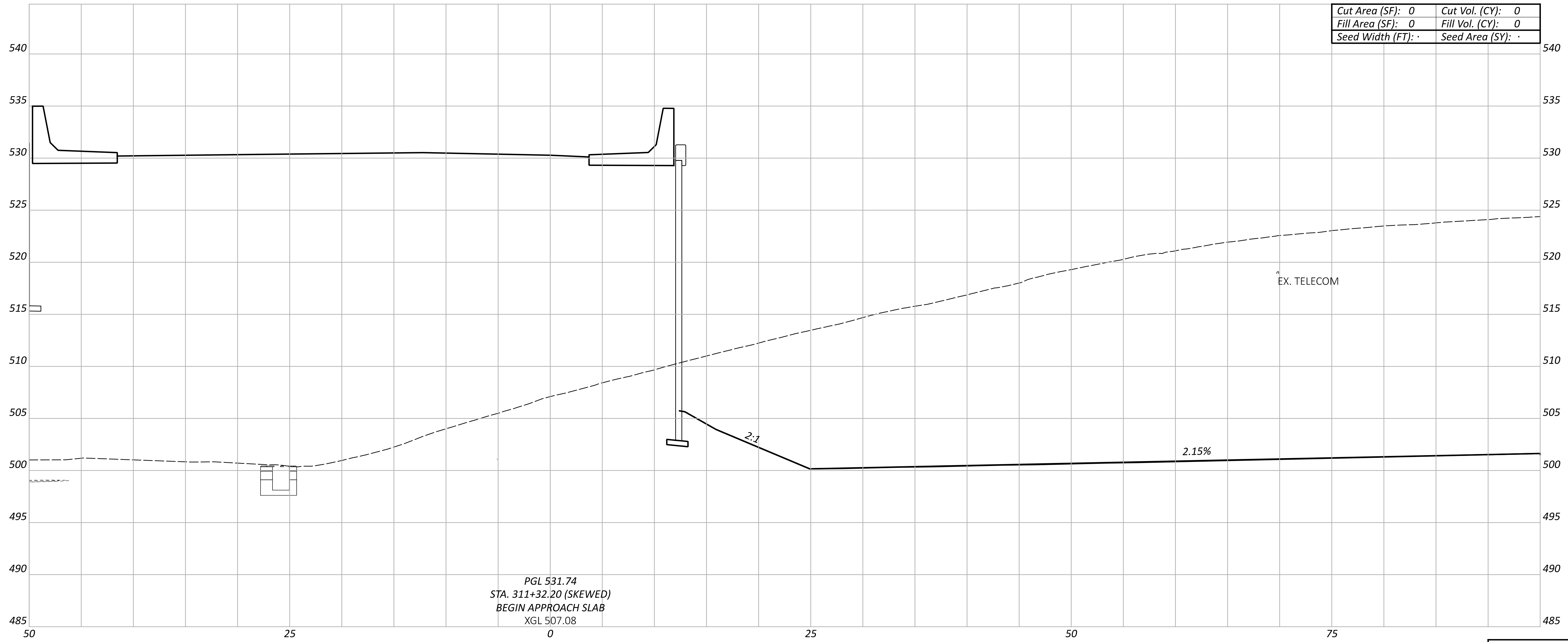
SHEET

P.207

TOTAL

463

CROSS SECTIONS - RAMP D
STA 310+48.77




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Seed Width (FT):	.	Seed Area (SY):	.

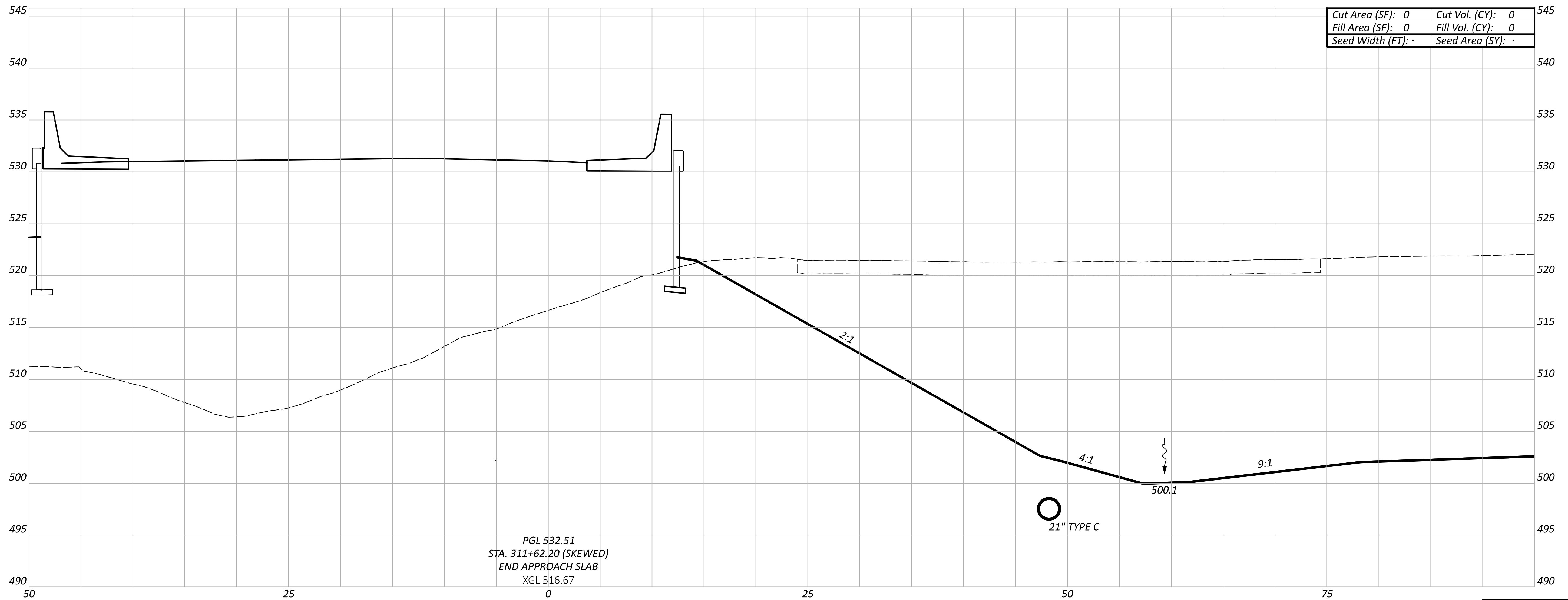
PGL 531.74
 STA. 311+32.20 (SKEWED)
 BEGIN APPROACH SLAB
 XGL 507.08

EX. TELECOM

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.208	463

CROSS SECTIONS - RAMP D
 STA 311+32.20

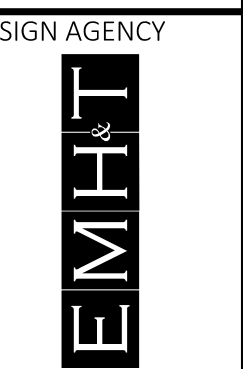
DESIGN AGENCY

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 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161



PGL 532.51
 STA. 311+62.20 (SKEWED)
 END APPROACH SLAB
 XGL 516.67

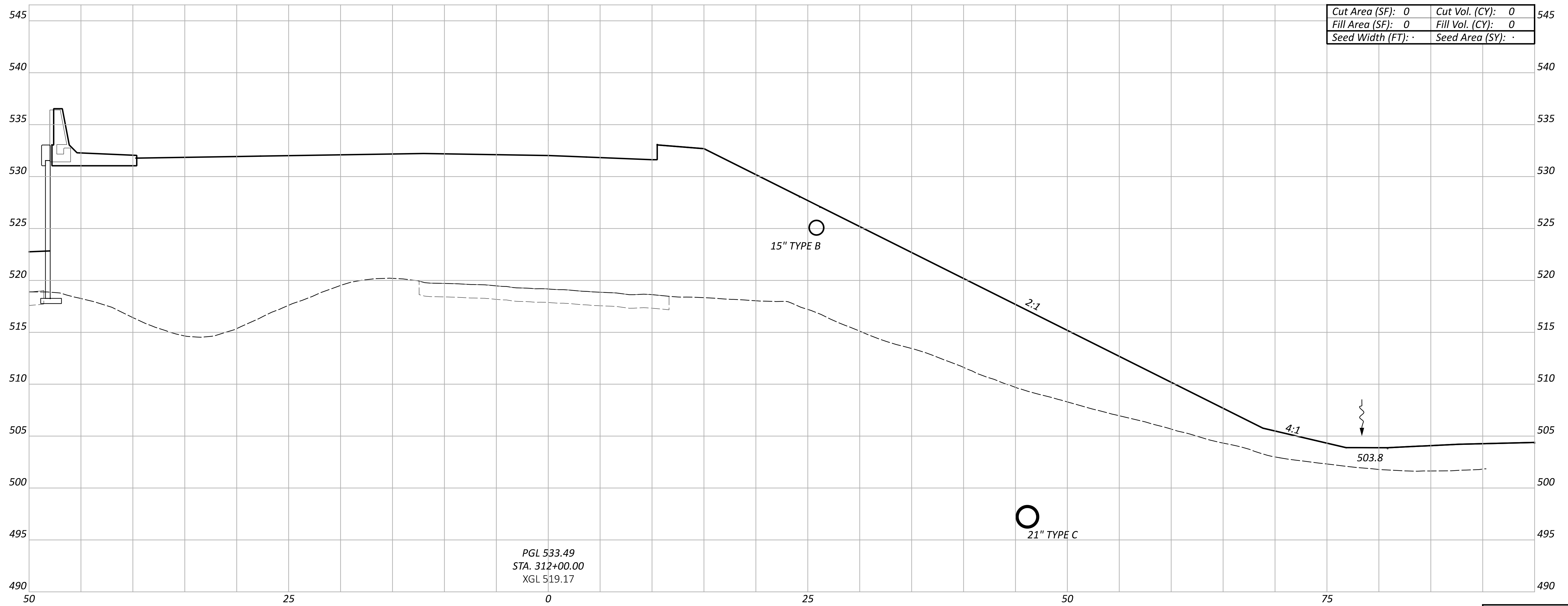
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.209	463



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CROSS SECTIONS - RAMP D
 STA 311+62.20



PGL 533.49
STA. 312+00.00
XGL 519.17

15" TYPE B

21" TYPE C

2:1

4:1

503.8

CROSS SECTIONS - RAMP D
STA 312+00.00

DESIGN AGENCY



DESIGNER

SJB

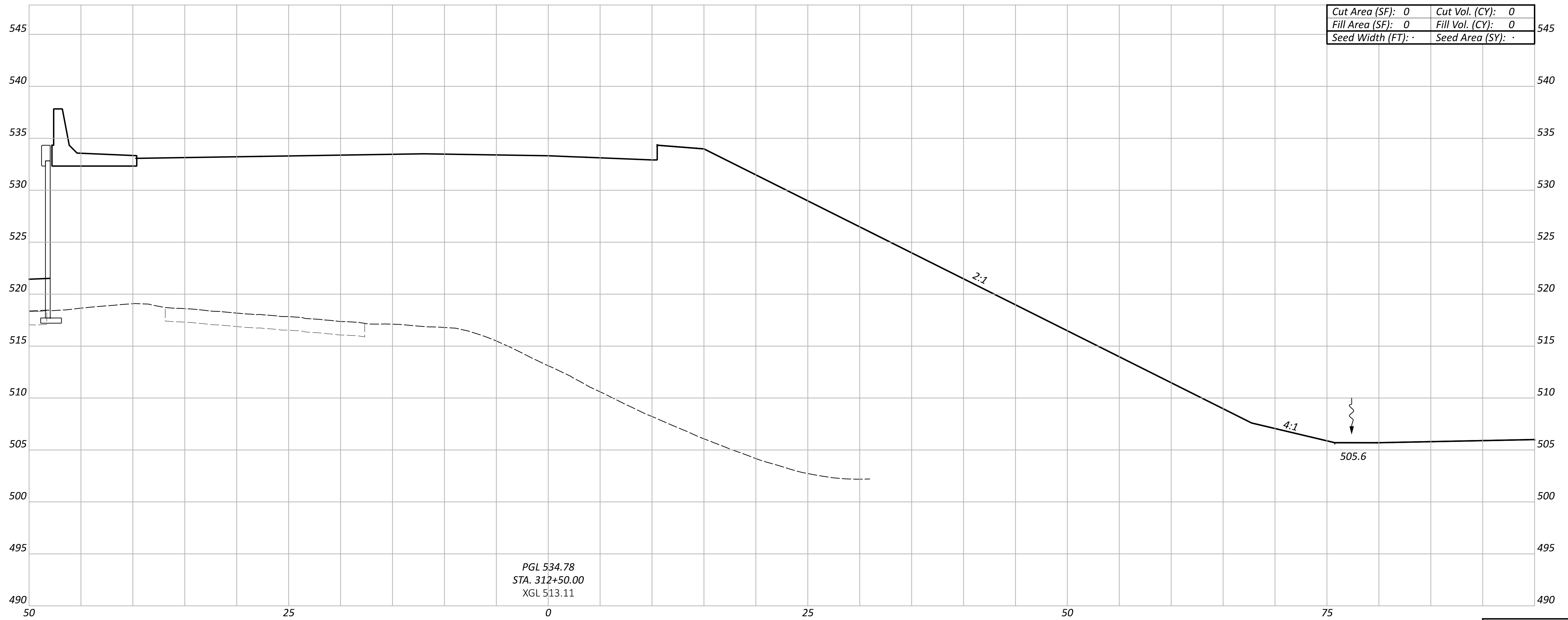
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.210	463



PGL 534.78
STA. 312+50.00
XGL 513.11

505.6

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.211 463

DESIGN AGENCY



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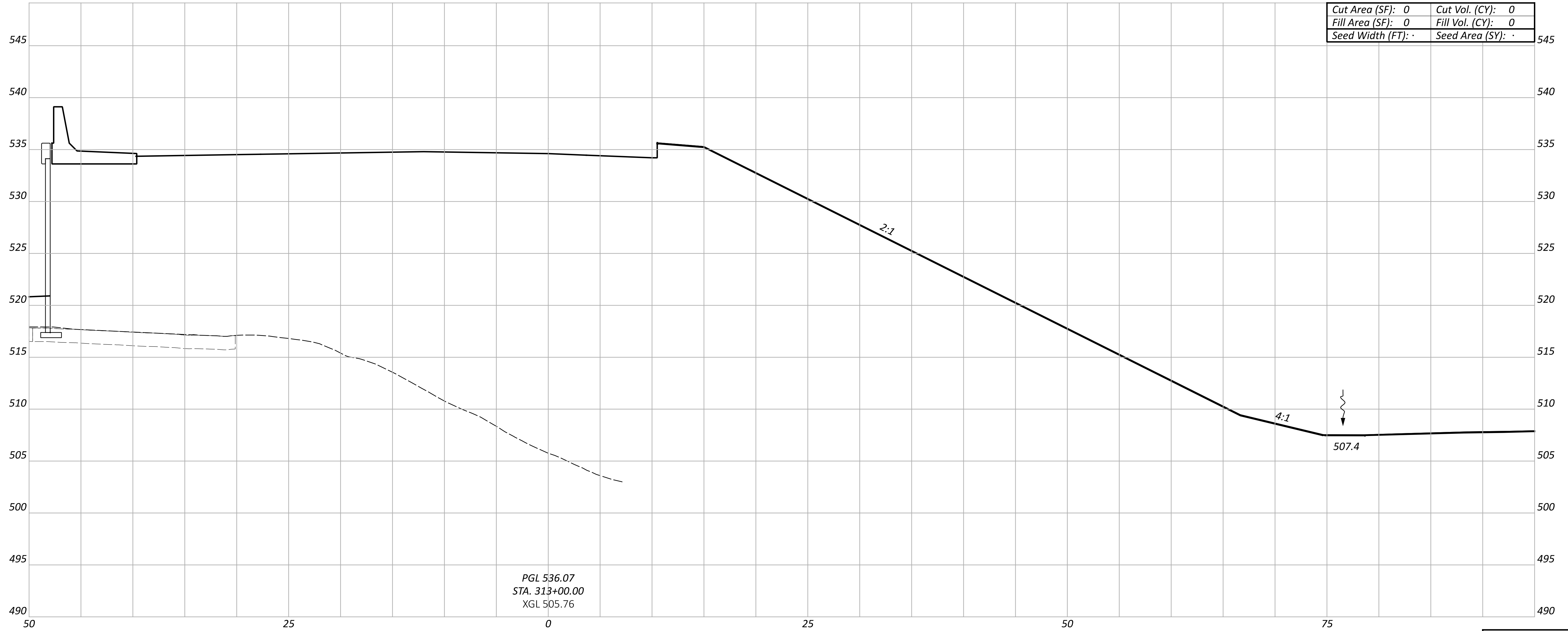
PROJECT ID

114161

TOTAL

463

CROSS SECTIONS - RAMP D
STA 312+50.00



CROSS SECTIONS - RAMP D
STA 313+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

PROJECT ID

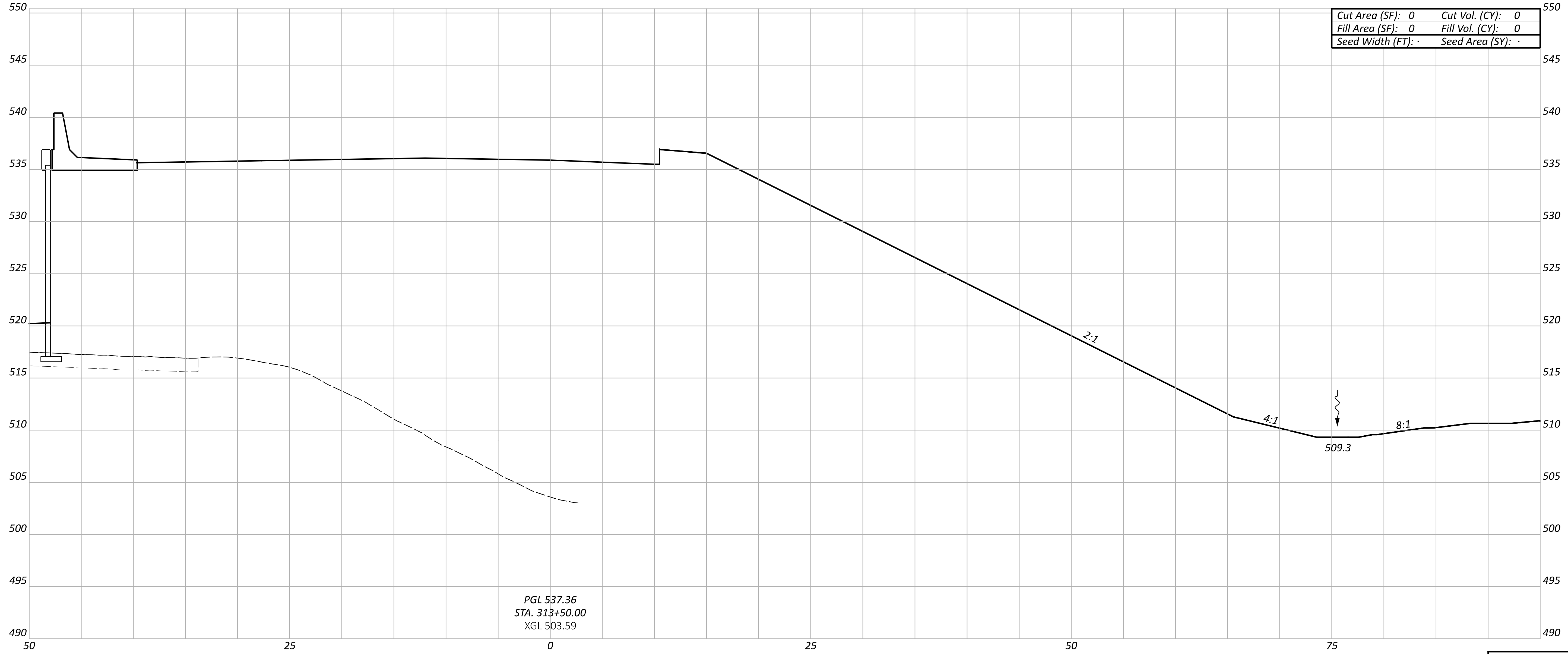
114161

Sheet Totals

Seeding	Cut	Fill
.	.	.

SHEET TOTAL

P.212 463



CROSS SECTIONS - RAMP D
 STA 313+50.00

DESIGN AGENCY



DESIGNER

SJB

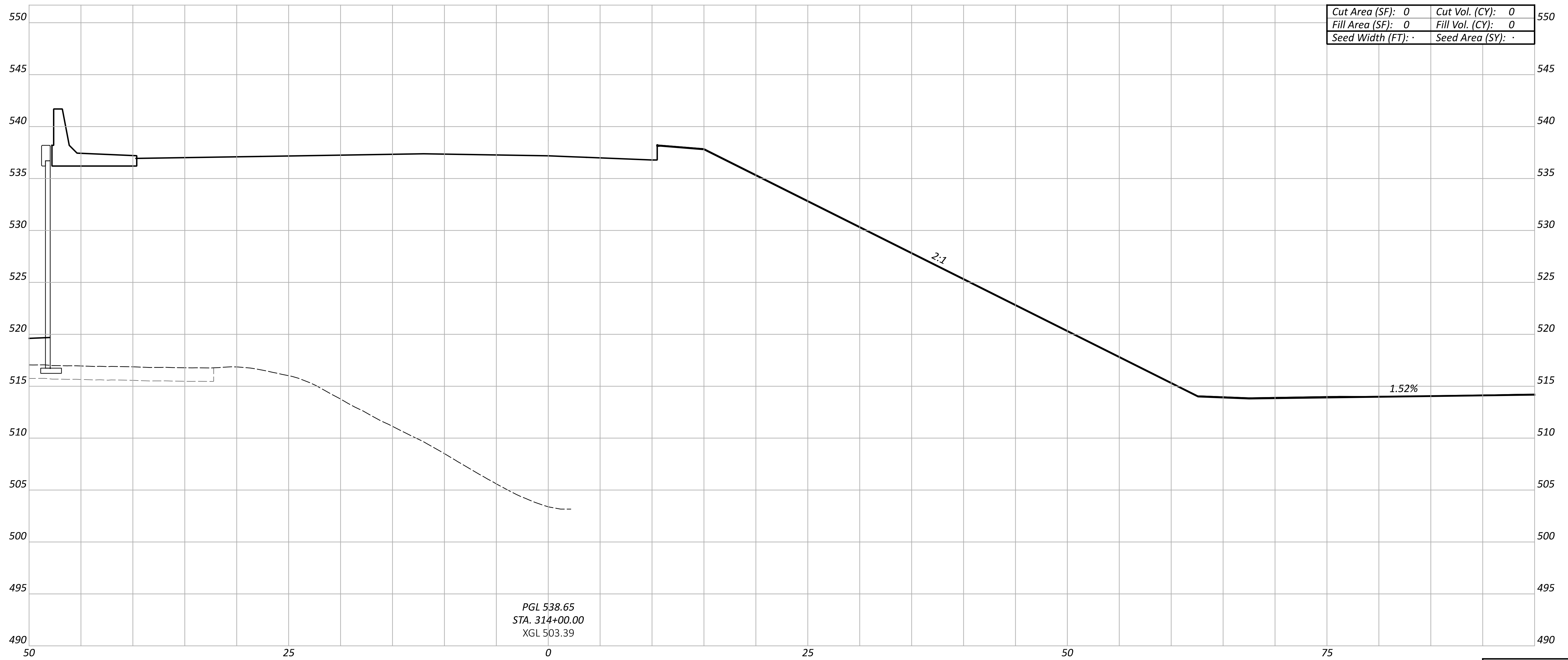
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.213	463



CROSS SECTIONS - RAMP D
 STA 314+00.00

DESIGN AGENCY



DESIGNER

SJB

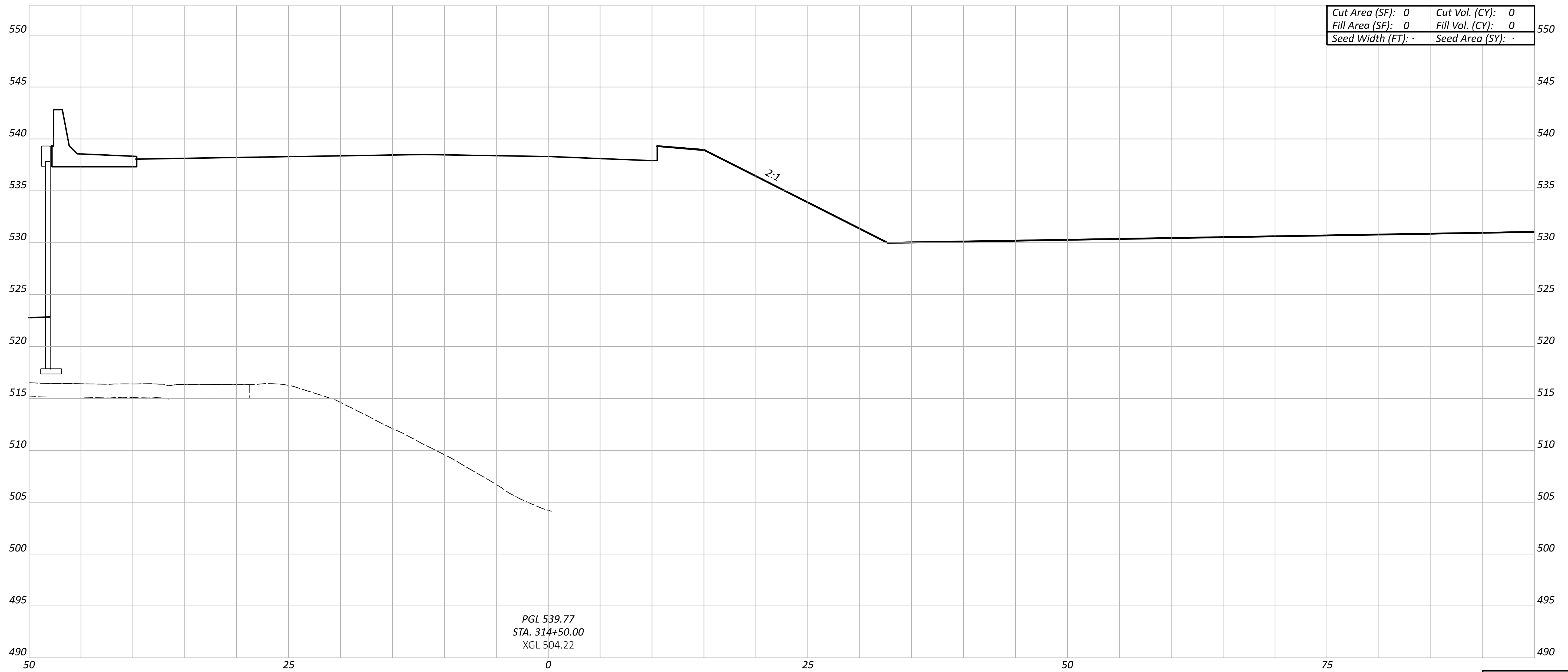
REVIEWER

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PROJECT ID

114161

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.214 463



CROSS SECTIONS - RAMP D
 STA 314+50.00

DESIGN AGENCY



DESIGNER

SJB

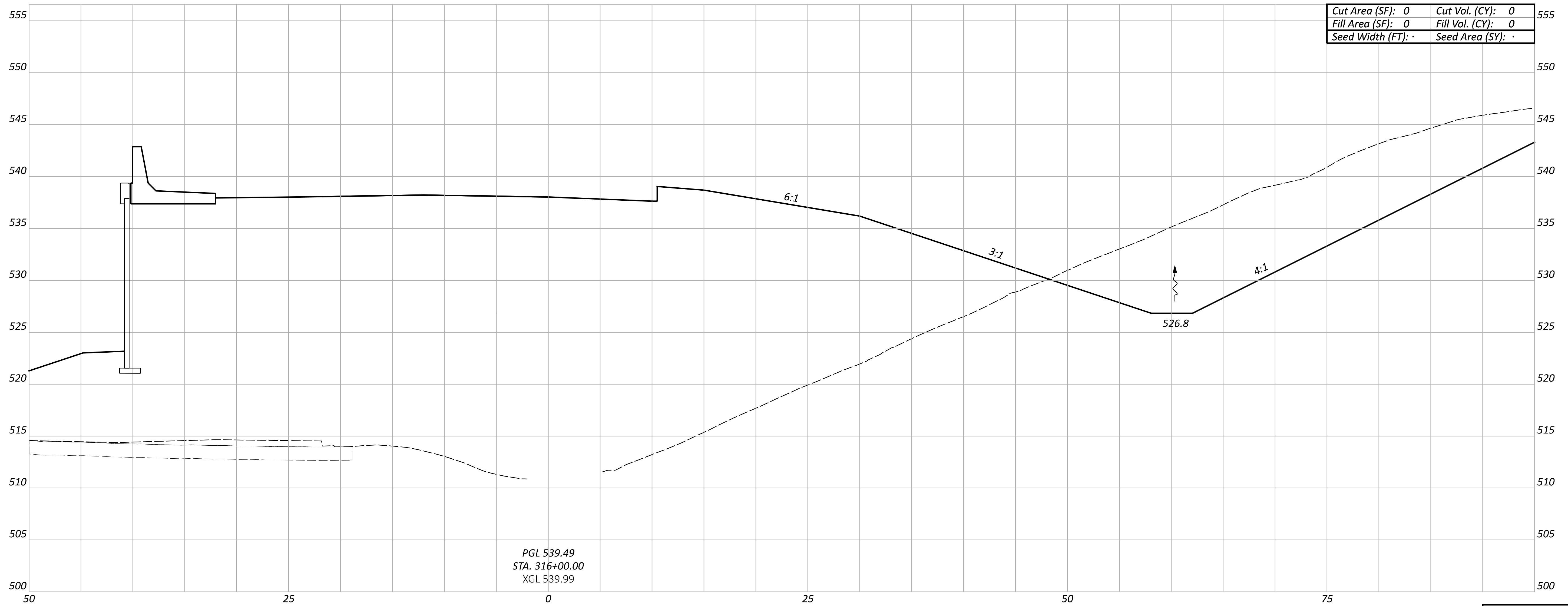
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.215	463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - RAMP D
STA 316+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

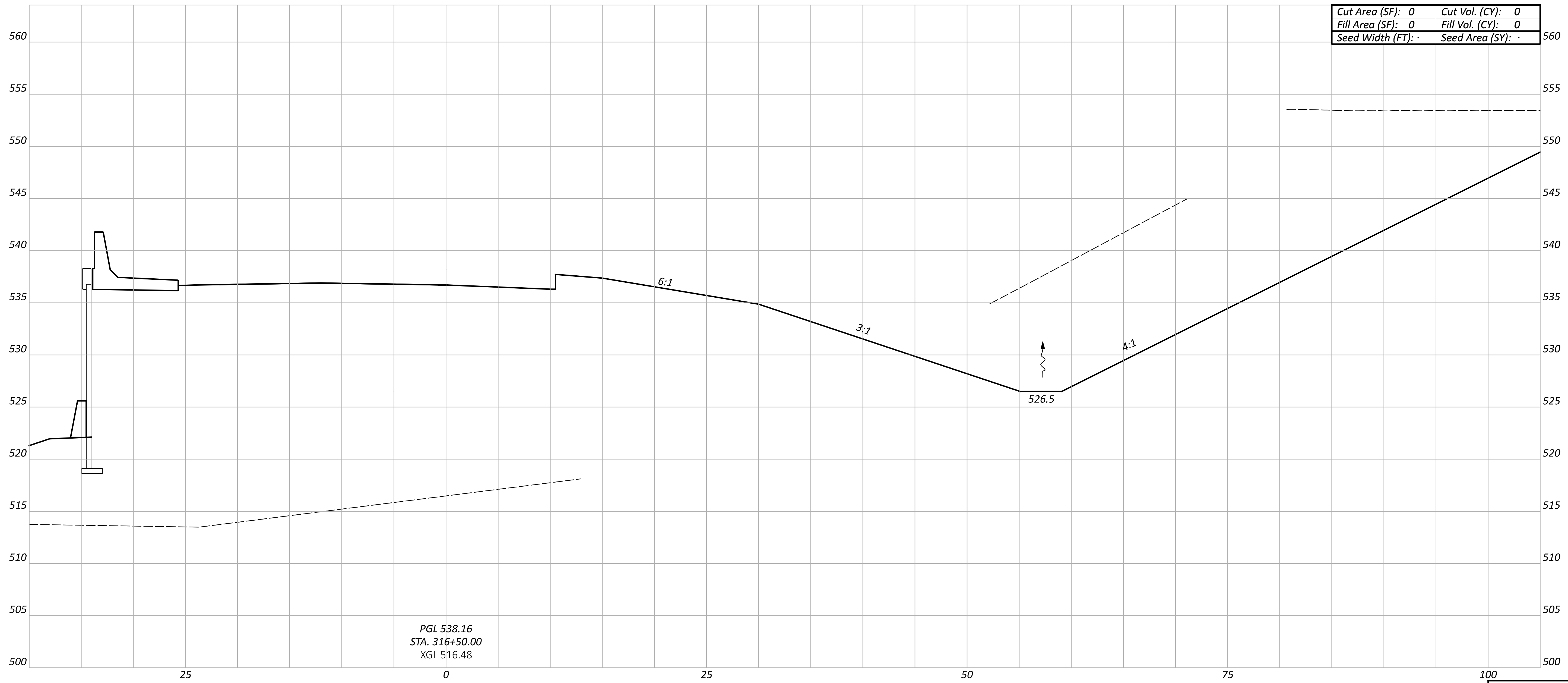
PROJECT ID

114161

Sheet Totals

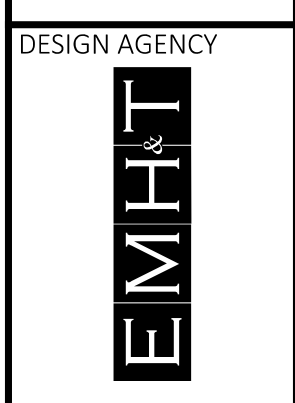
Seeding	Cut	Fill
.	.	.

SHEET	TOTAL
P.216	463

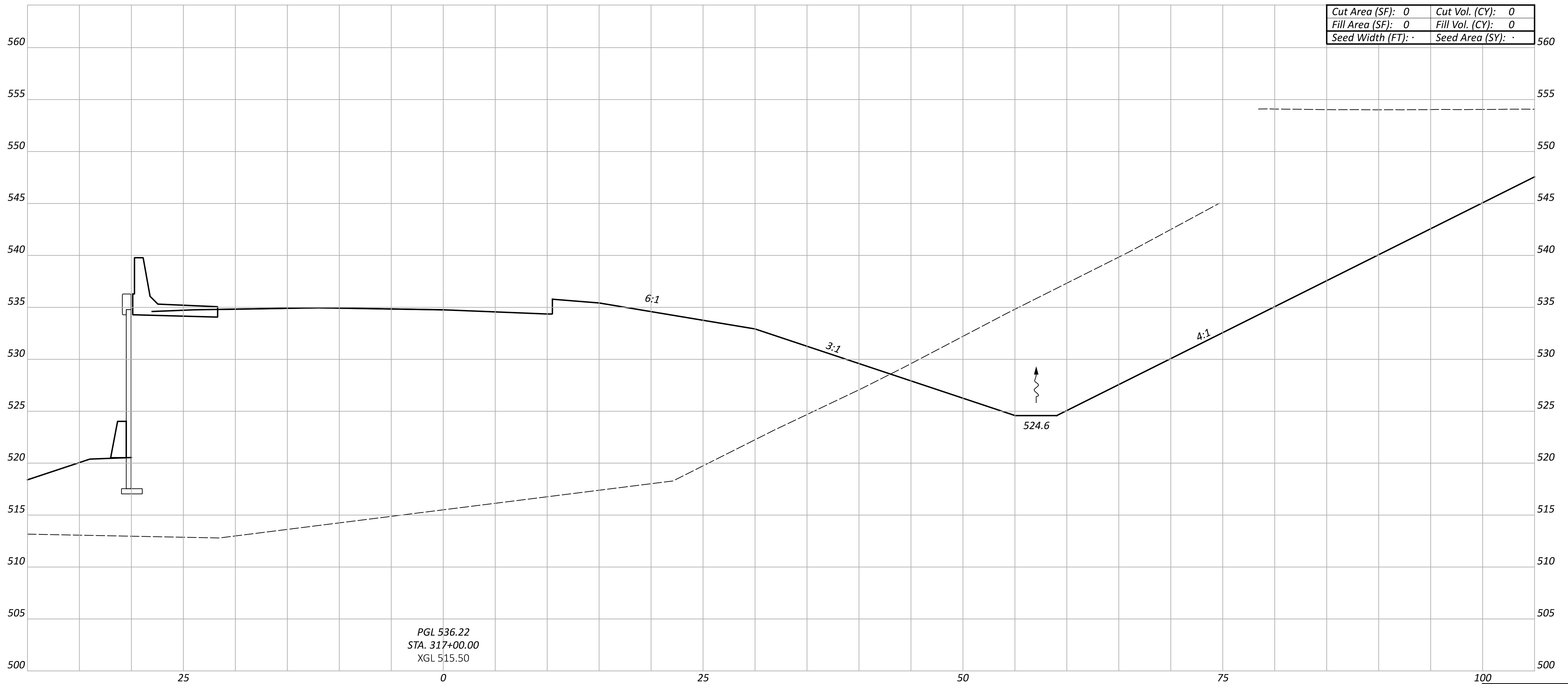


PGL 538.16
 STA. 316+50.00
 XGL 516.48

CROSS SECTIONS - RAMP D
 STA 316+50.00

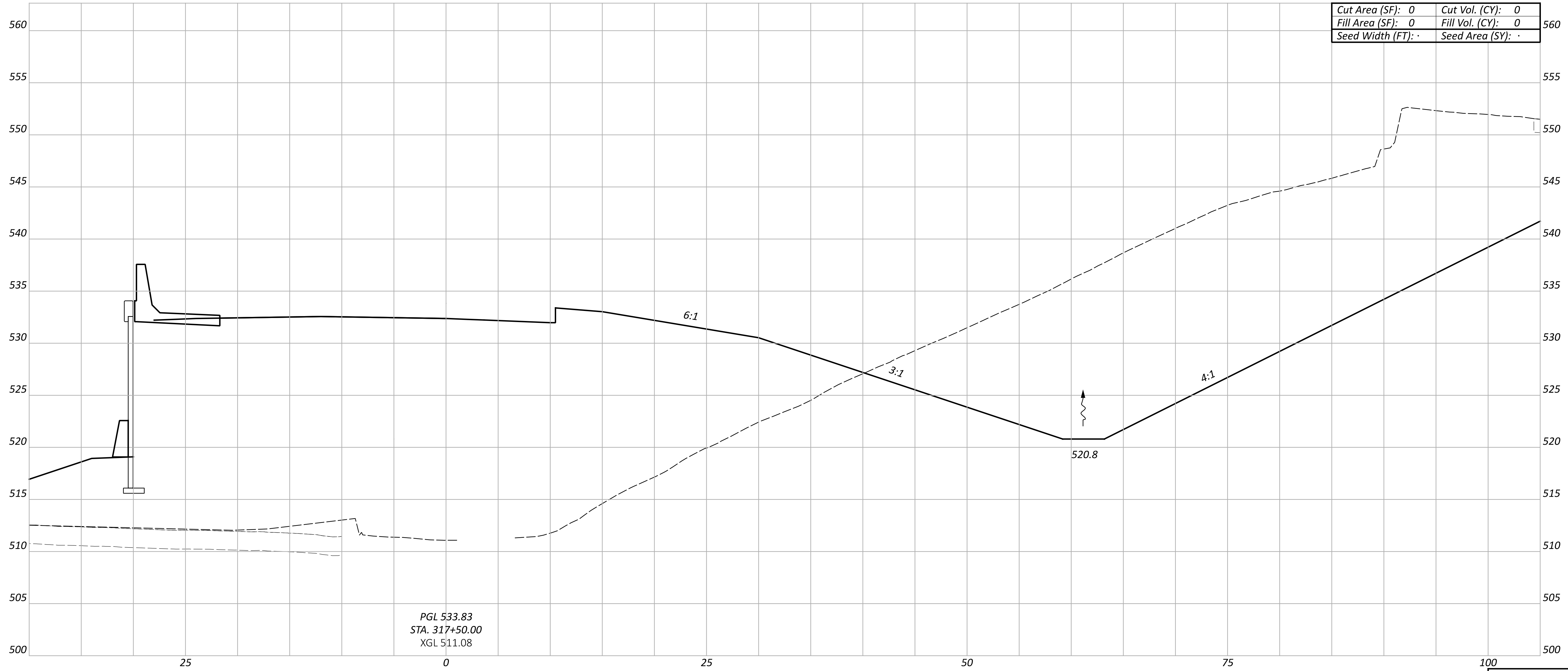


DESIGN AGENCY
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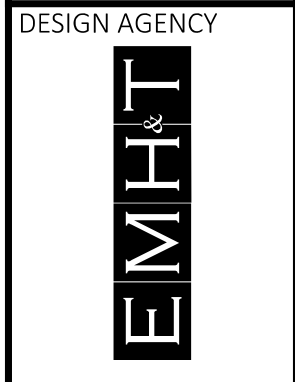
PGL 536.22
 STA. 317+00.00
 XGL 515.50





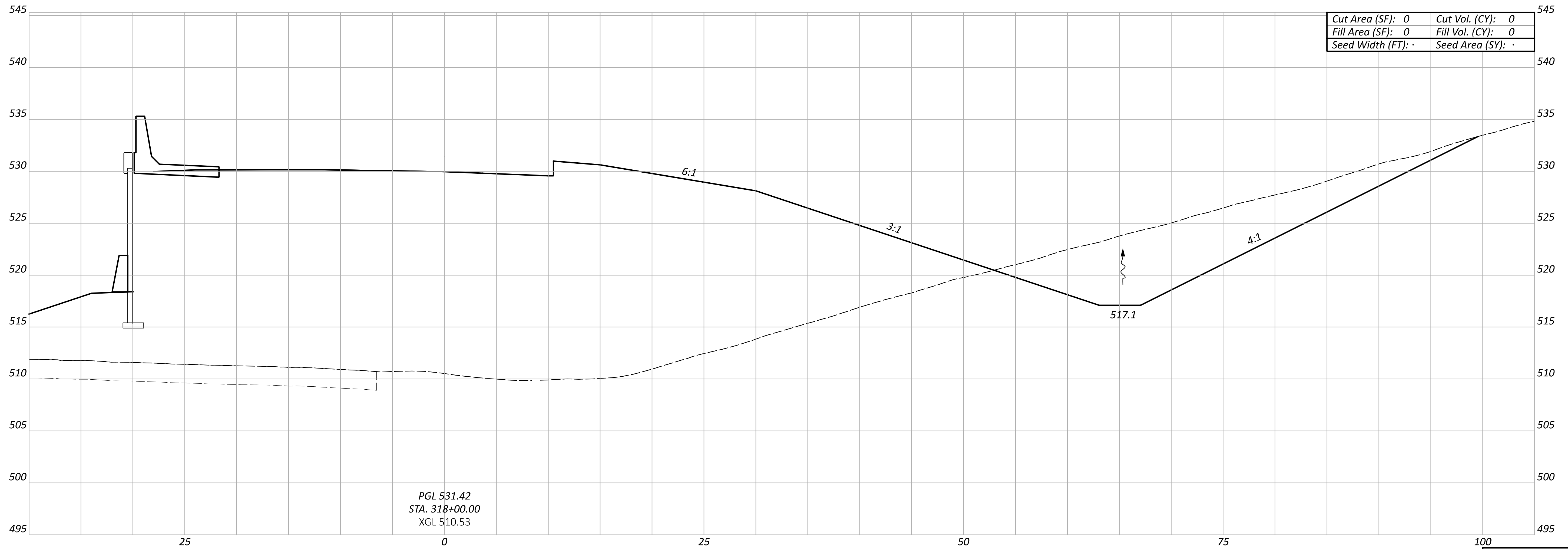
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CROSS SECTIONS - RAMP D
STA 317+50.00



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PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.219 463



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.220 463

DESIGN AGENCY



DESIGNER

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MJR 06/21/24

PROJECT ID

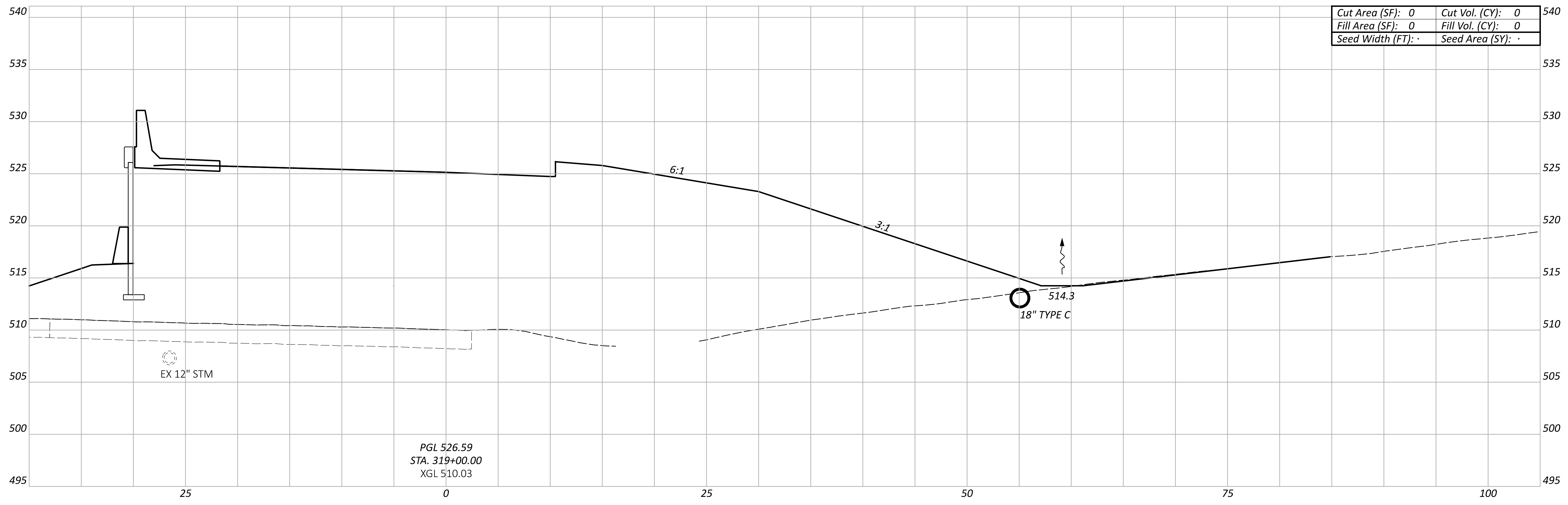
114161

SHEET

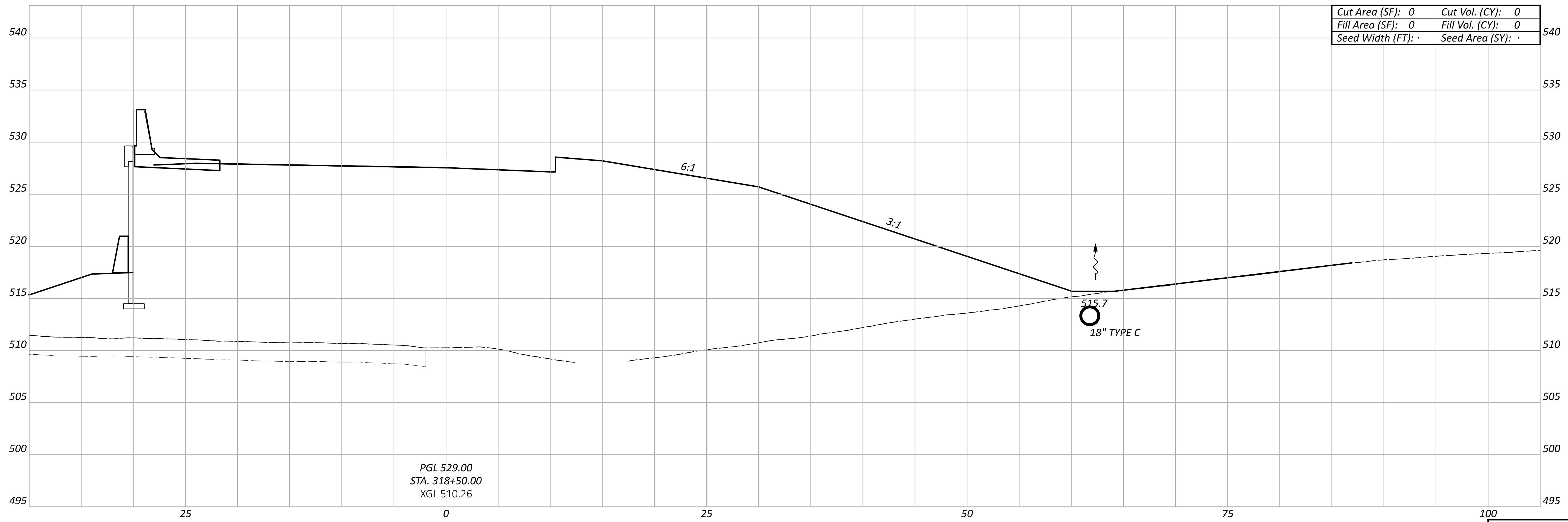
TOTAL

P.220 463

CROSS SECTIONS - RAMP D
STA 318+00.00



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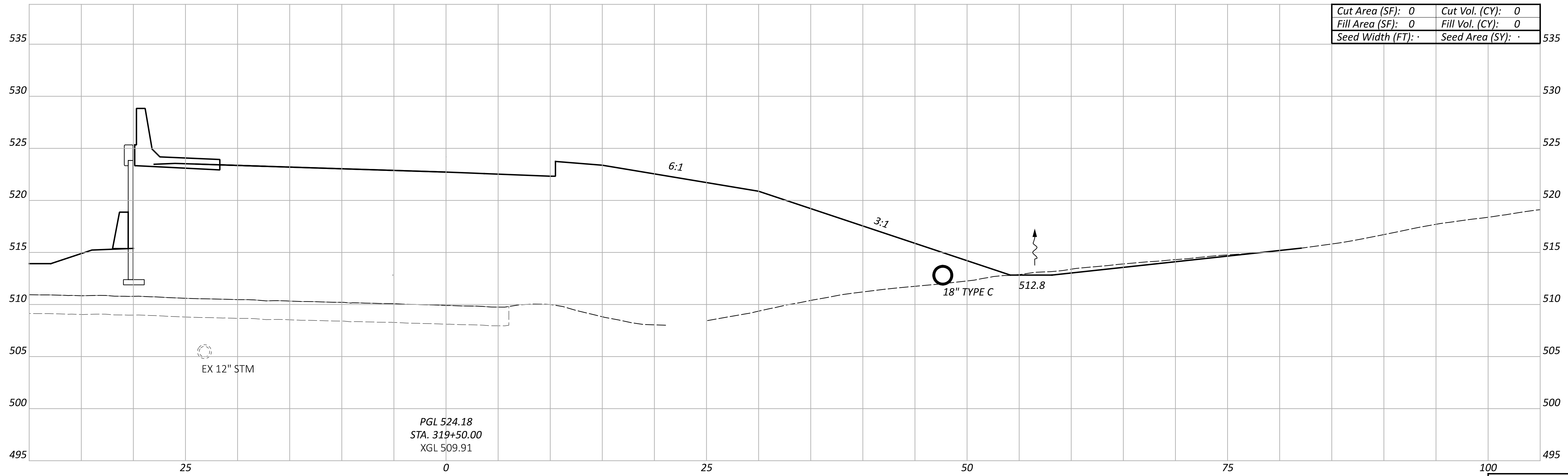
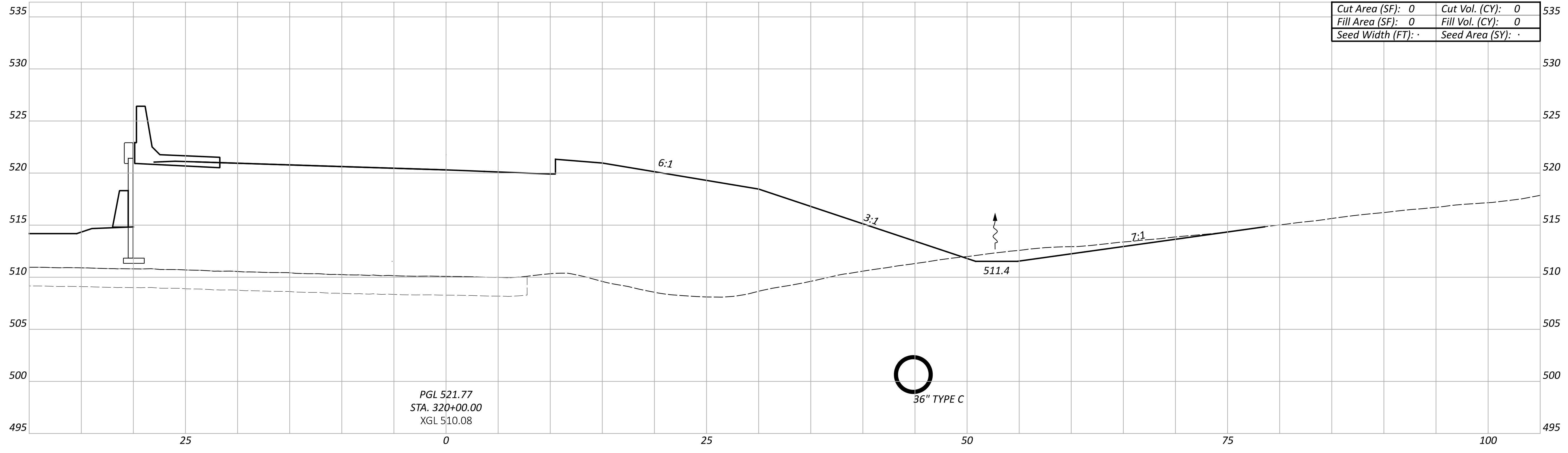


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Seed Width (FT): .	Seed Area (SY): .

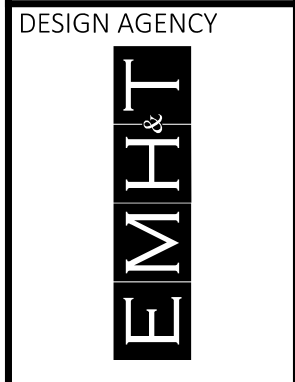
Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.221 463

CROSS SECTIONS - RAMP D
 STA 318+50.00 TO STA 319+00.00

DESIGN AGENCY
EMHT
 DESIGNER
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 114161

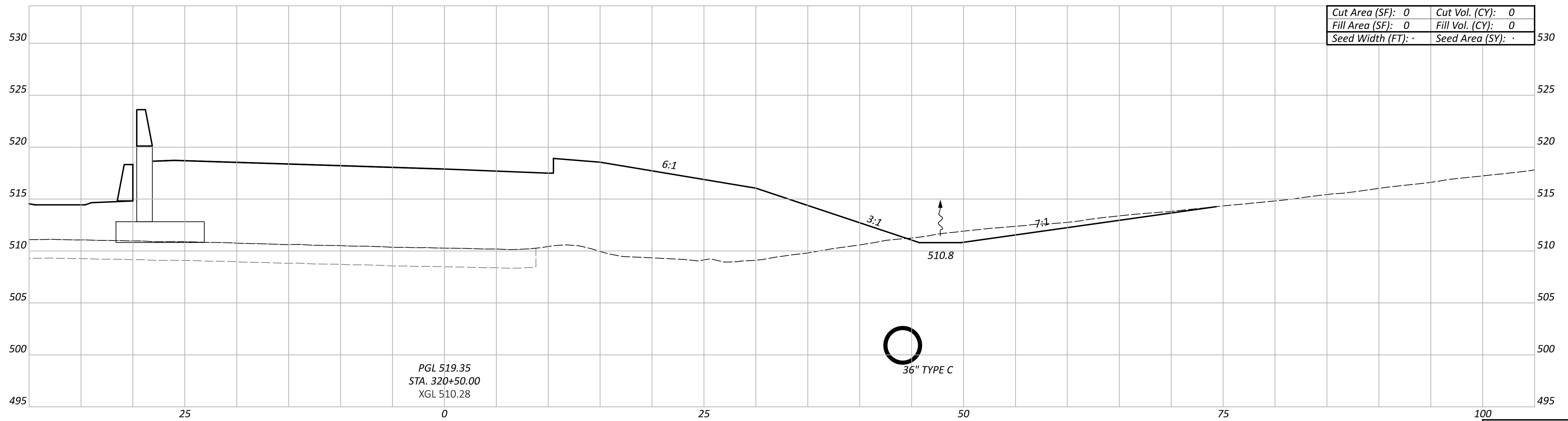
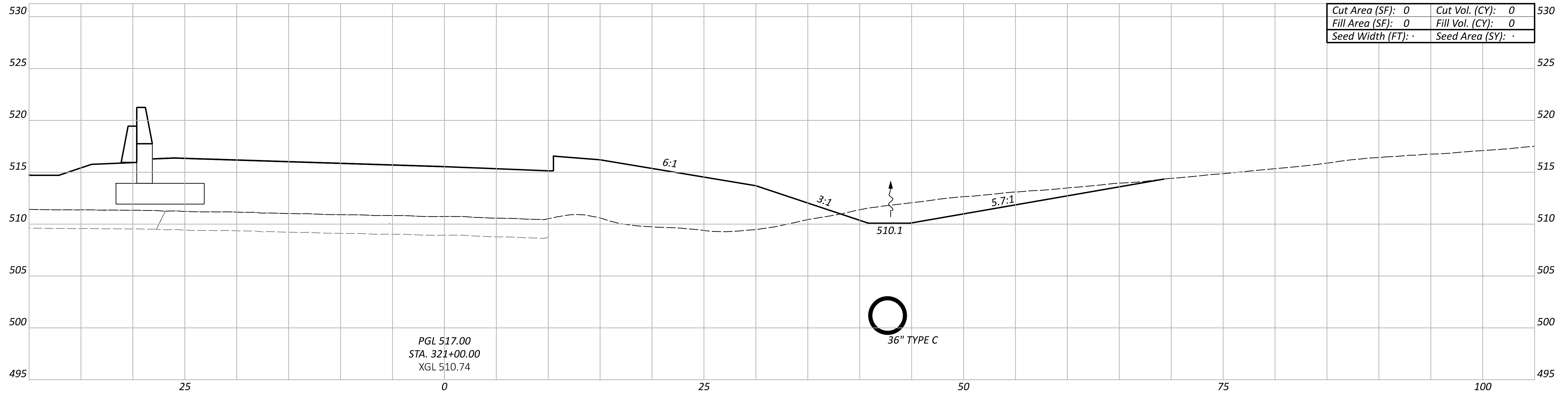


CROSS SECTIONS - RAMP D
STA 319+50.00 TO STA 320+00.00



DESIGNER
SJB
REVIEWER
MJR 06/21/24
PROJECT ID

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.222 463



CROSS SECTIONS - RAMP D
 STA 320+50.00 TO STA 321+00.00

DESIGN AGENCY



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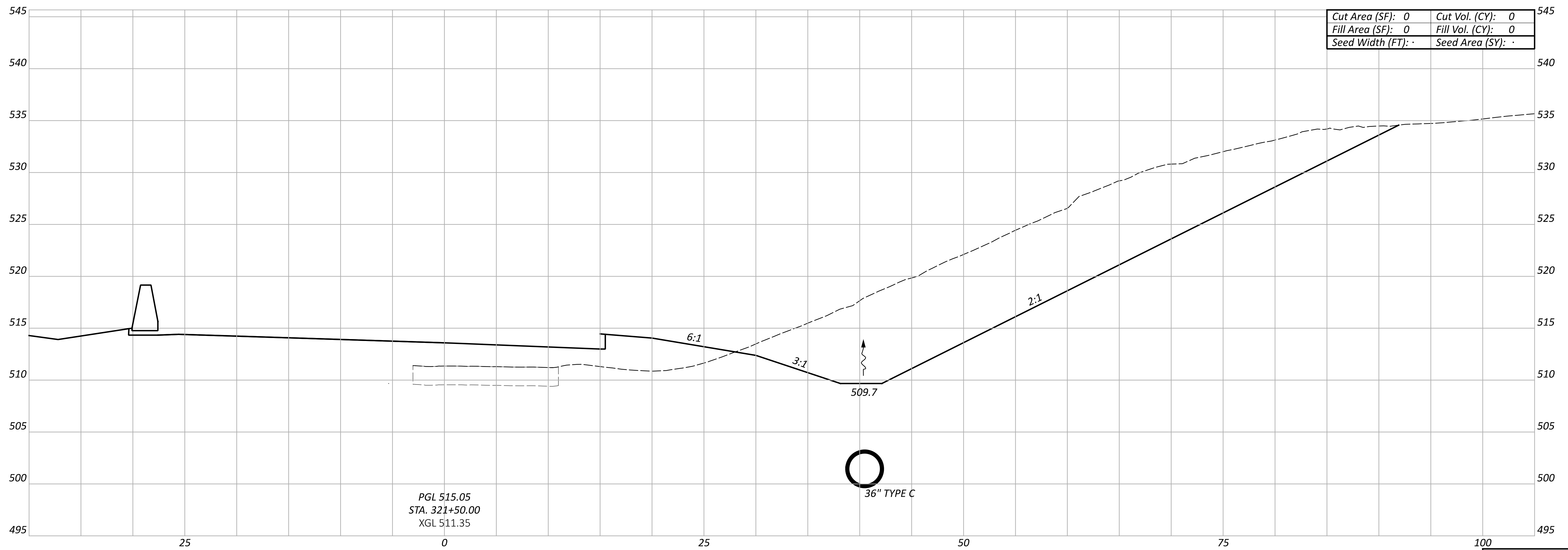
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill
.	.	.

SHEET	TOTAL
P.223	463



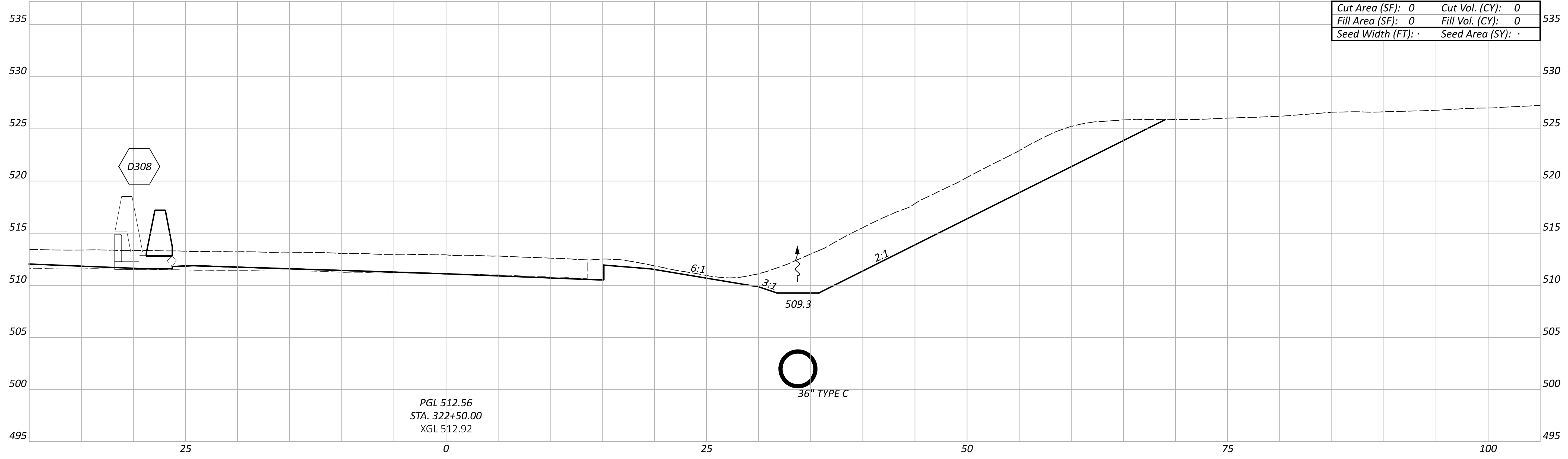
PGL 515.05
 STA. 321+50.00
 XGL 511.35

36" TYPE C

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	463

DESIGN AGENCY
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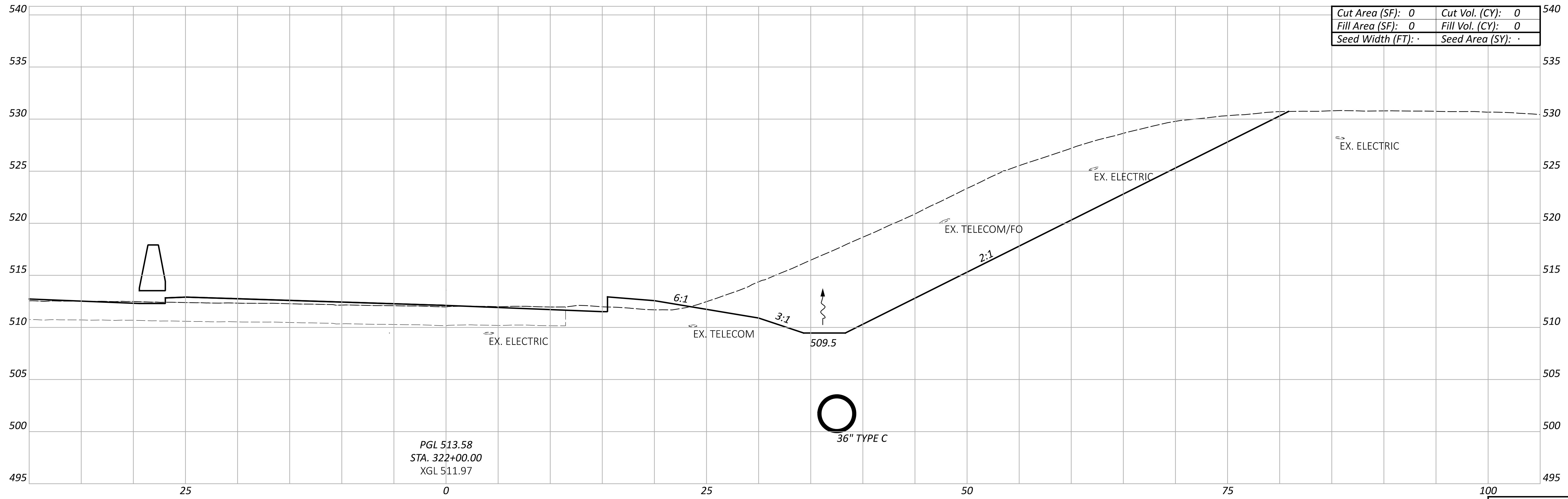
CROSS SECTIONS - RAMP D
 STA 321+50.00



PGL 512.56
 STA. 322+50.00
 XGL 512.92

36" TYPE C

D308



PGL 513.58
 STA. 322+00.00
 XGL 511.97

36" TYPE C

EX. ELECTRIC

EX. TELECOM

EX. TELECOM/FO

EX. ELECTRIC

EX. ELECTRIC

CROSS SECTIONS - RAMP D
 STA 322+00.00 TO STA 322+50.00

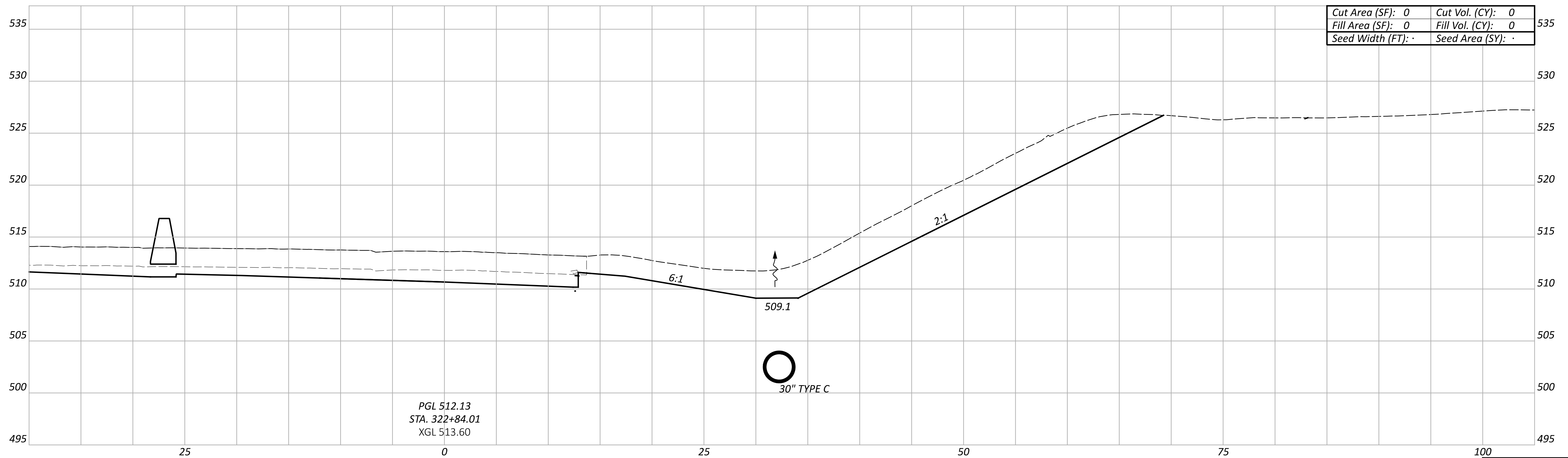
DESIGN AGENCY
EMHT

DESIGNER
 SJB

REVIEWER
 MJR 06/21/24

PROJECT ID
 114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.225	463



PGL 512.13
 STA. 322+84.01
 XGL 513.60

30" TYPE C

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.226	463

DESIGN AGENCY



DESIGNER

SJB

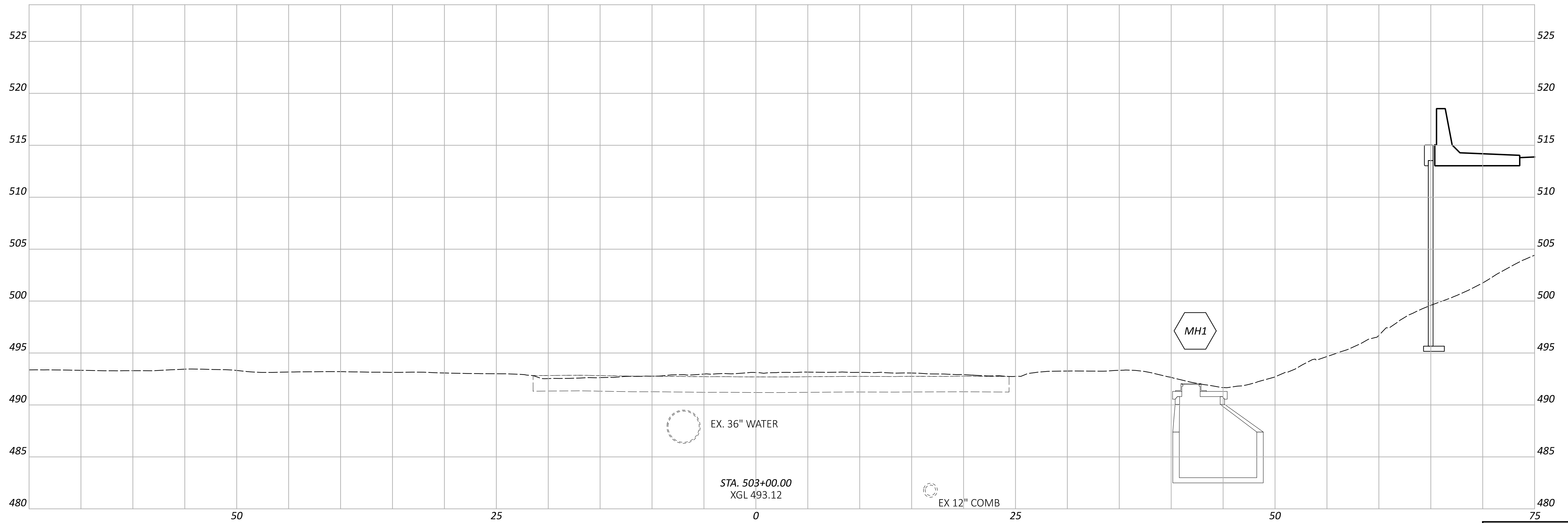
REVIEWER

MJR 06/21/24

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CROSS SECTIONS - RAMP D
 STA 322+84.01



CROSS SECTIONS - RAMP G
STA 503+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

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114161

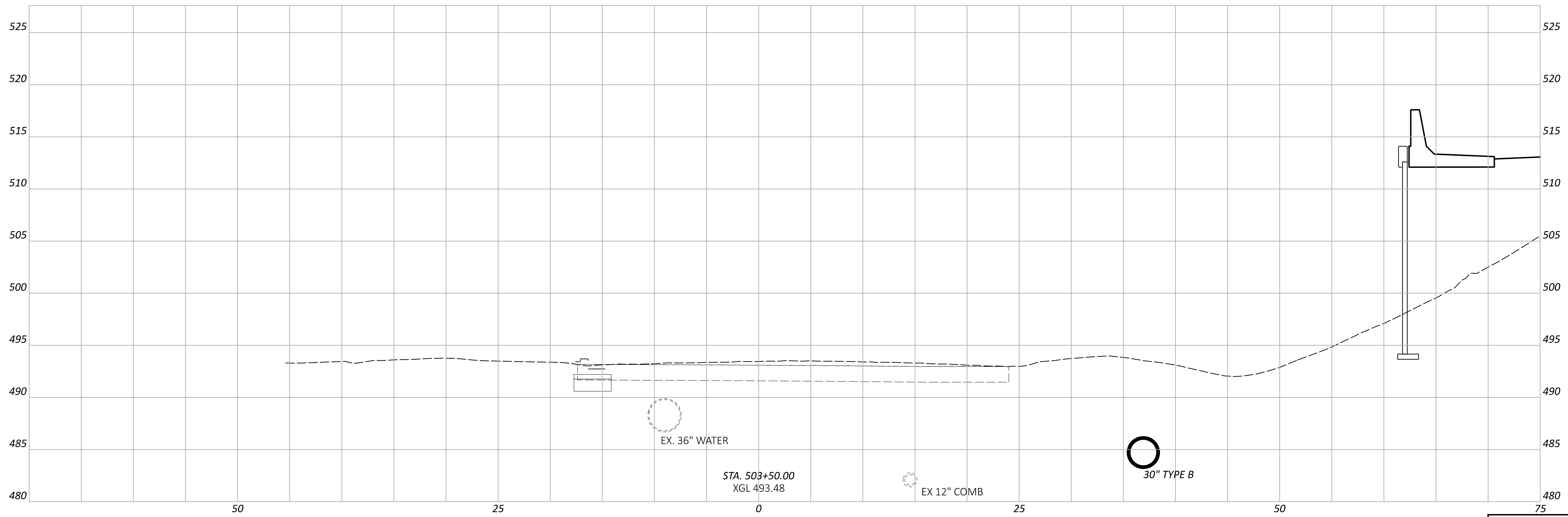
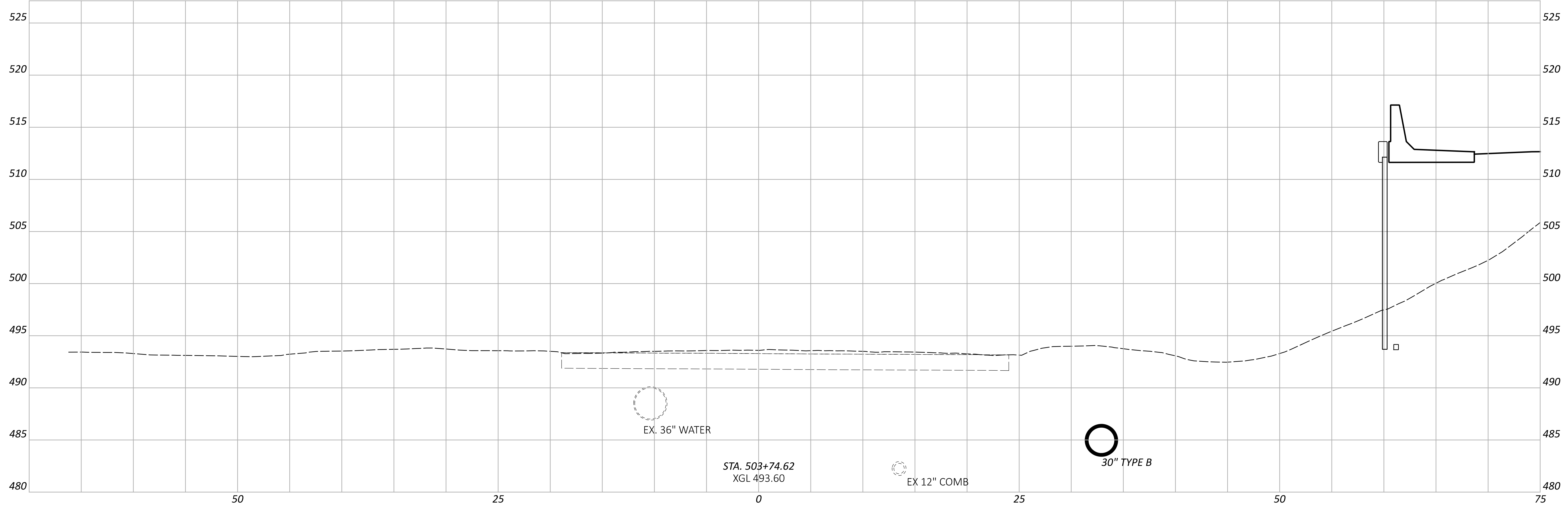
Sheet Totals

Seeding Cut Fill

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SHEET TOTAL

P.227 463



CROSS SECTIONS - RAMP G
 STA 503+50.00 TO STA

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

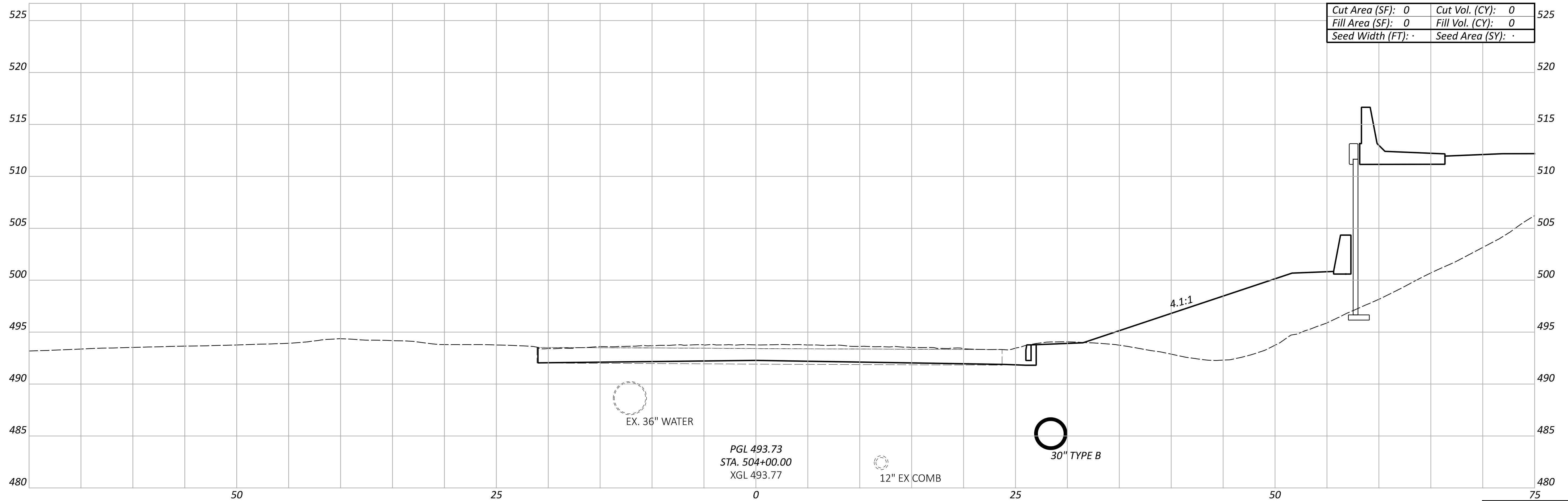
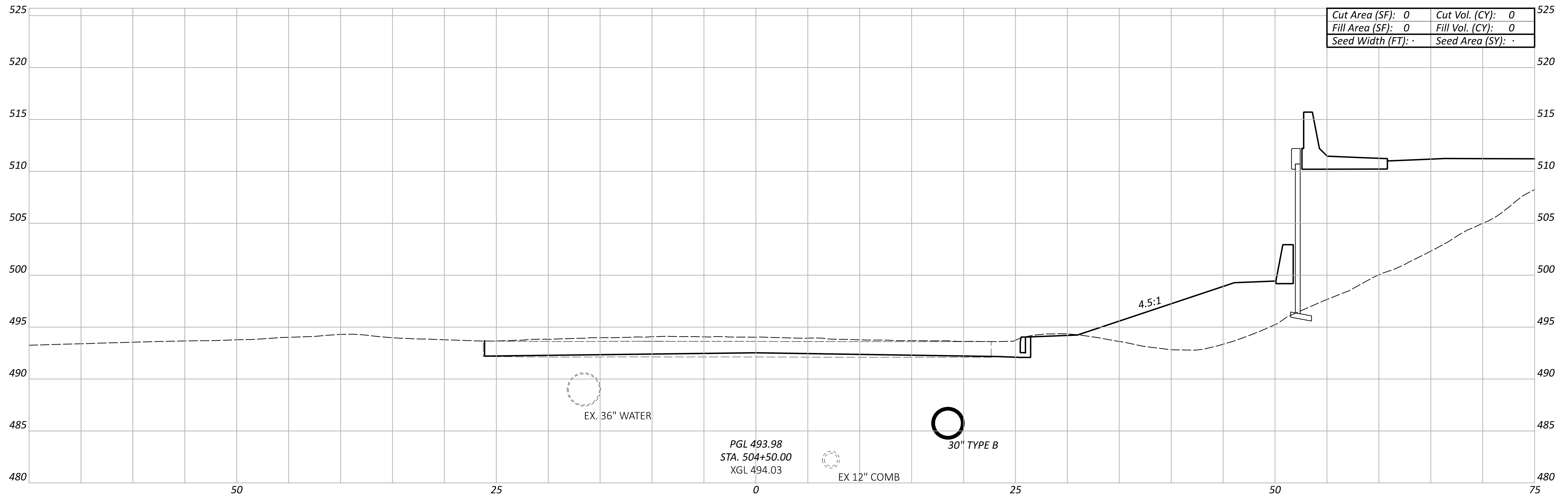
MJR 06/21/24

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114161

Sheet Totals			TOTAL
Seeding	Cut	Fill	
.	.	.	463

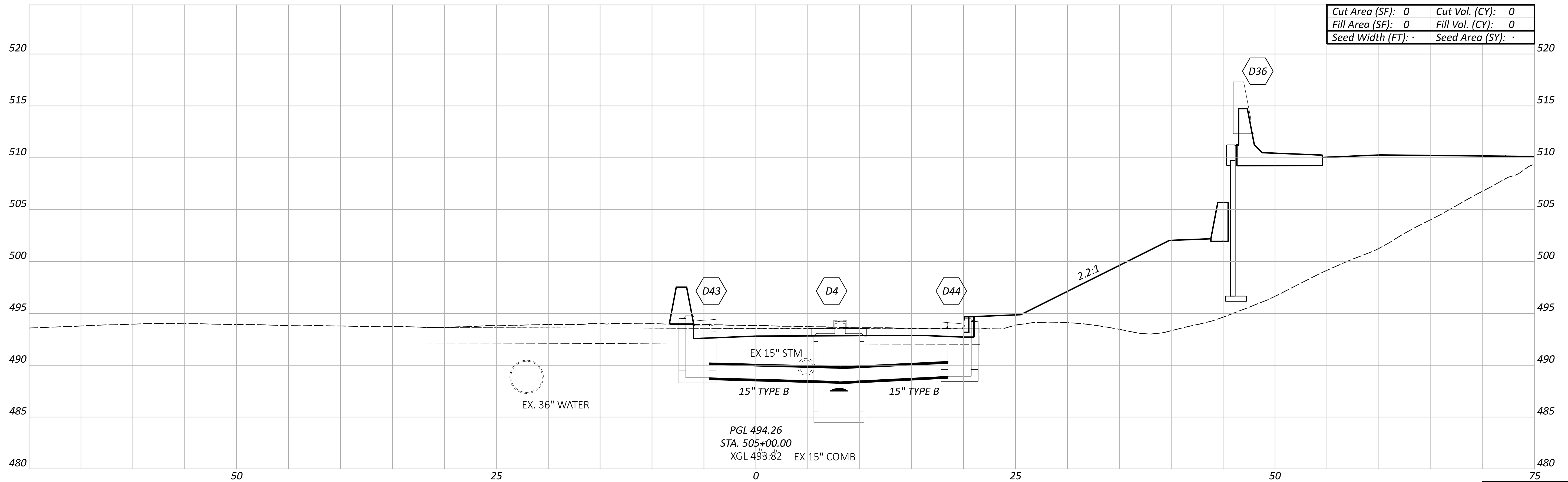
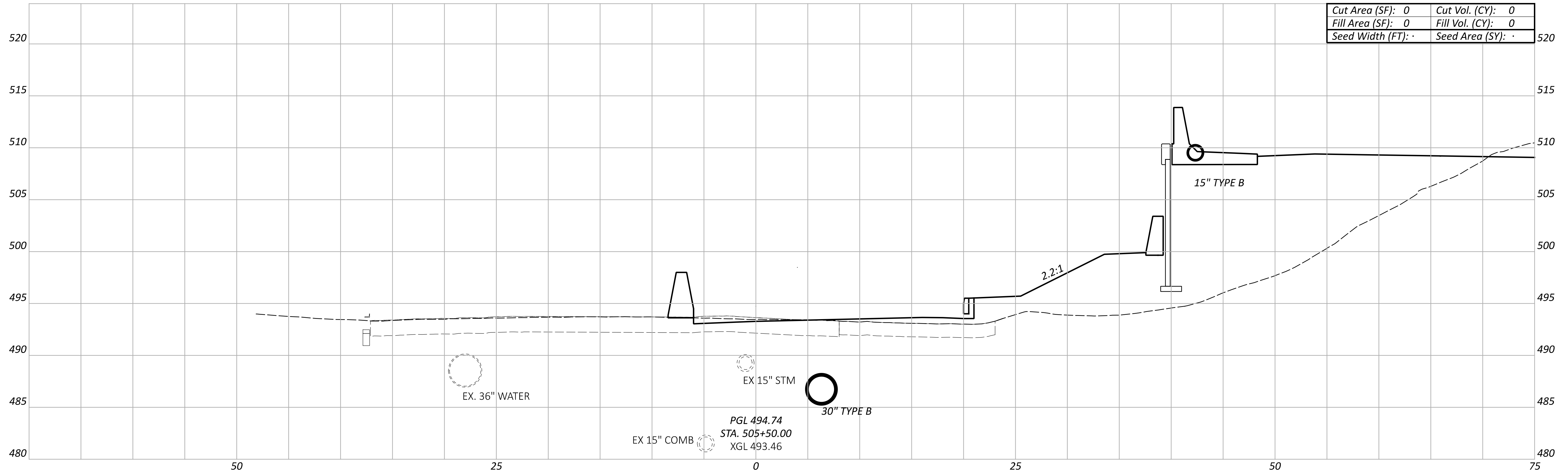
SHEET P.228



Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.229 463

CROSS SECTIONS - RAMP G
 STA 504+00.00 TO STA 504+50.00

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID



CROSS SECTIONS - RAMP G
 STA 505+00.00 TO STA 505+50.00

DESIGN AGENCY



DESIGNER

SJB

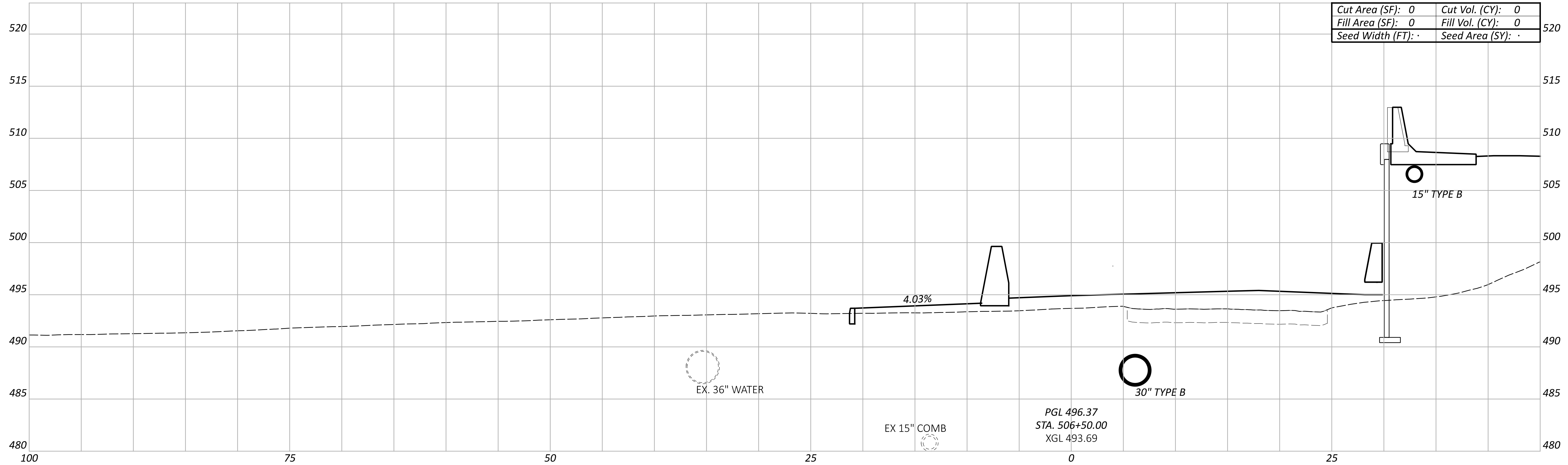
REVIEWER

MJR 06/21/24

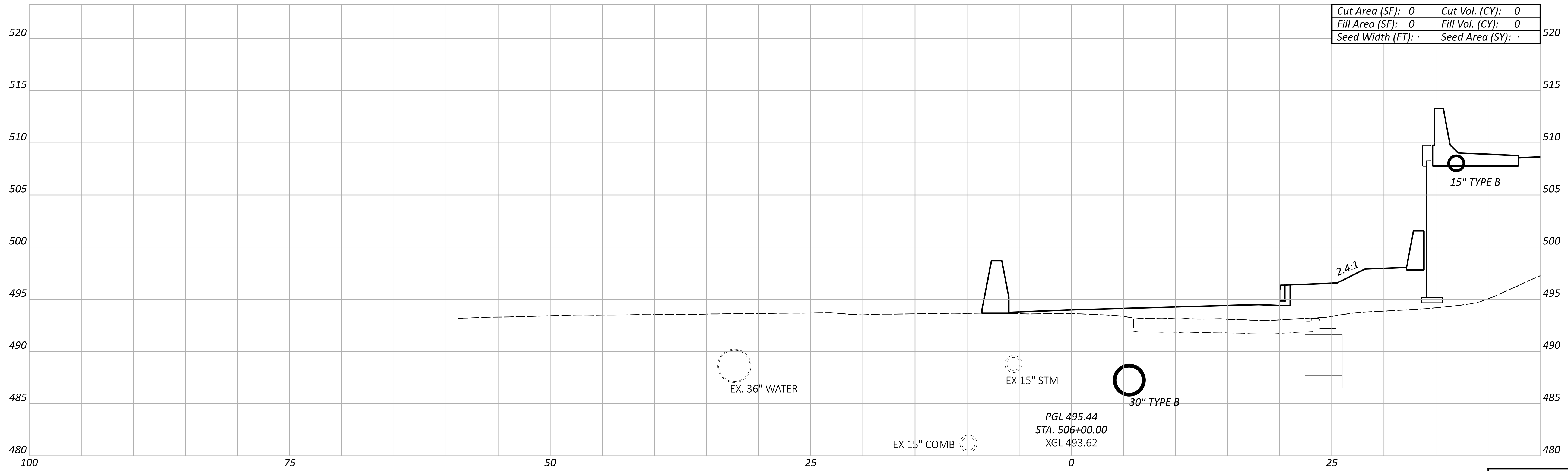
PROJECT ID

114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.230	463




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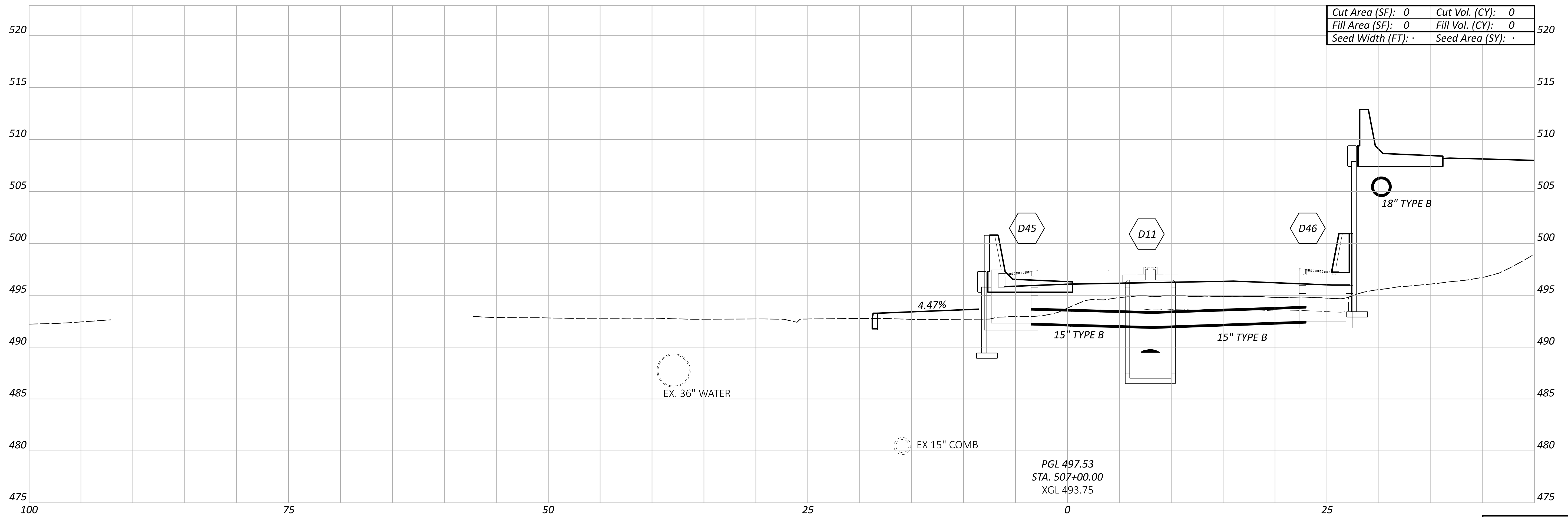


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Seed Width (FT):	.	Seed Area (SY):	.

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.231 463

CROSS SECTIONS - RAMP G
 STA 506+00.00 TO STA 506+50.00

DESIGN AGENCY

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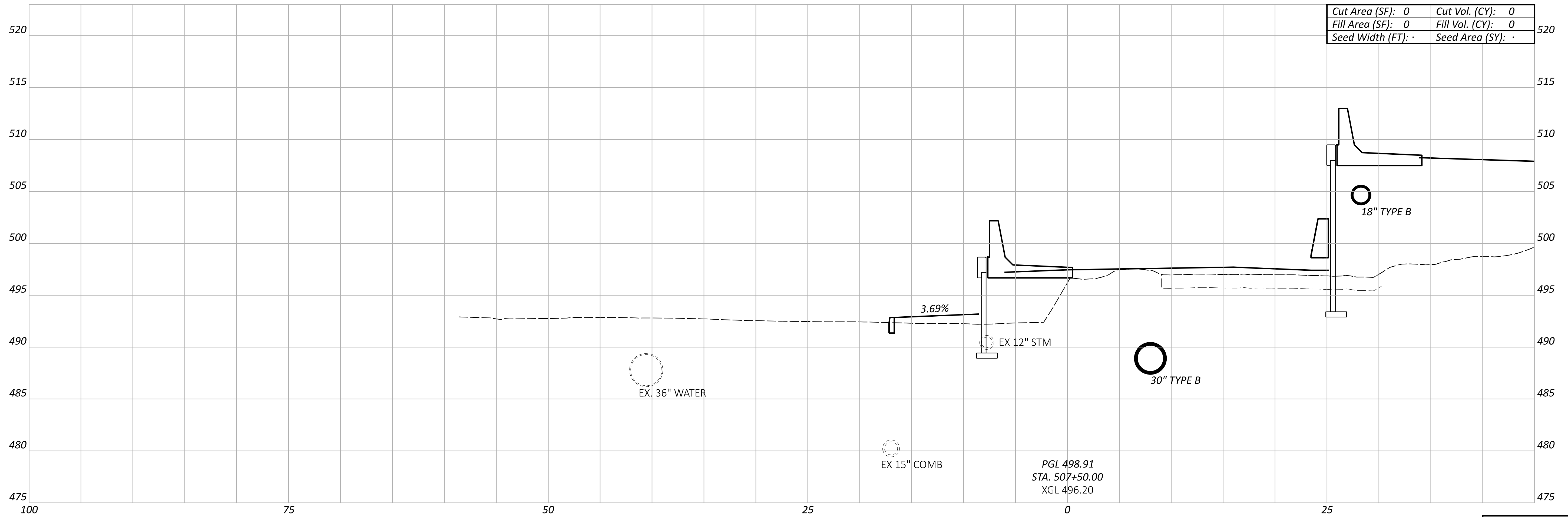
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PGL 497.53
 STA. 507+00.00
 XGL 493.75

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.232 463

DESIGN AGENCY
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 114161

CROSS SECTIONS - RAMP G
 STA 507+00.00



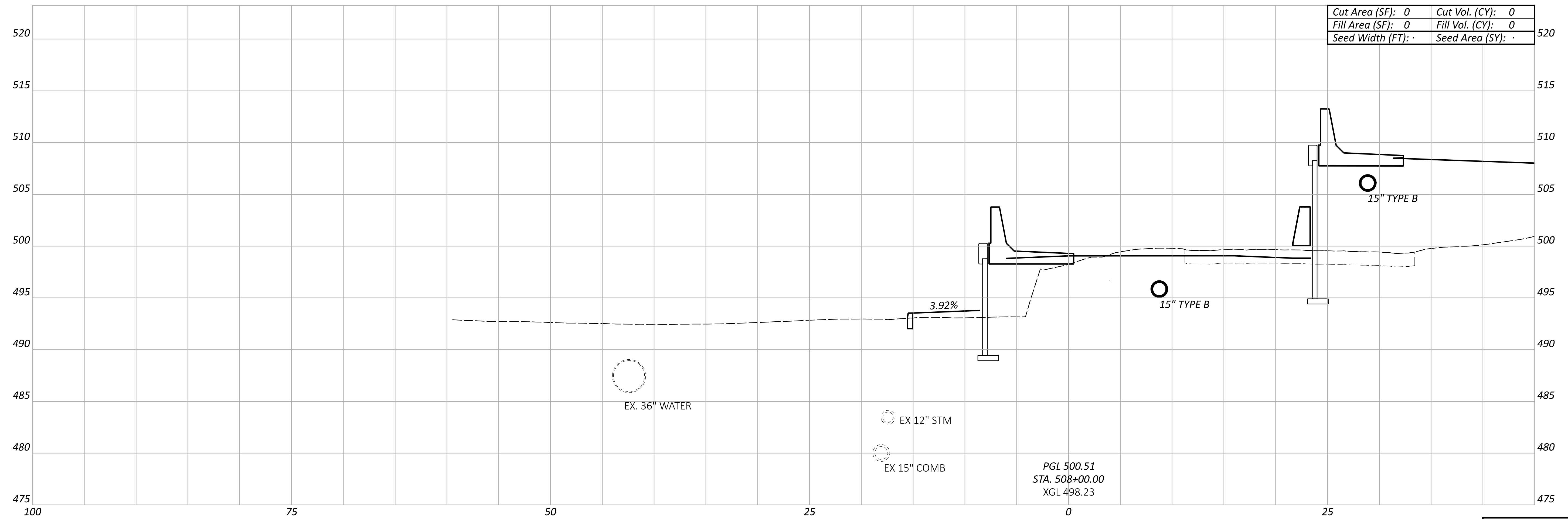
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PGL 498.91
STA. 507+50.00
XGL 496.20

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.233 463

DESIGN AGENCY
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CROSS SECTIONS - RAMP G
STA 507+50.00

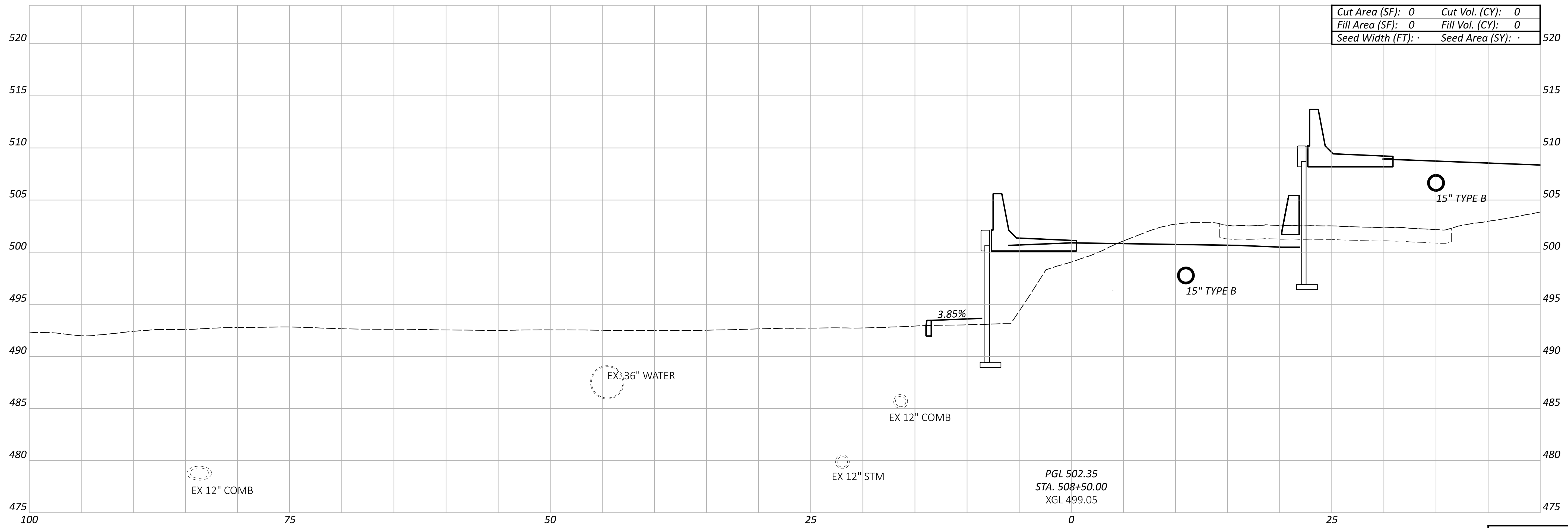


PGL 500.51
 STA. 508+00.00
 XGL 498.23

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.234	463

DESIGN AGENCY
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CROSS SECTIONS - RAMP G
 STA 508+00.00



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.235	463

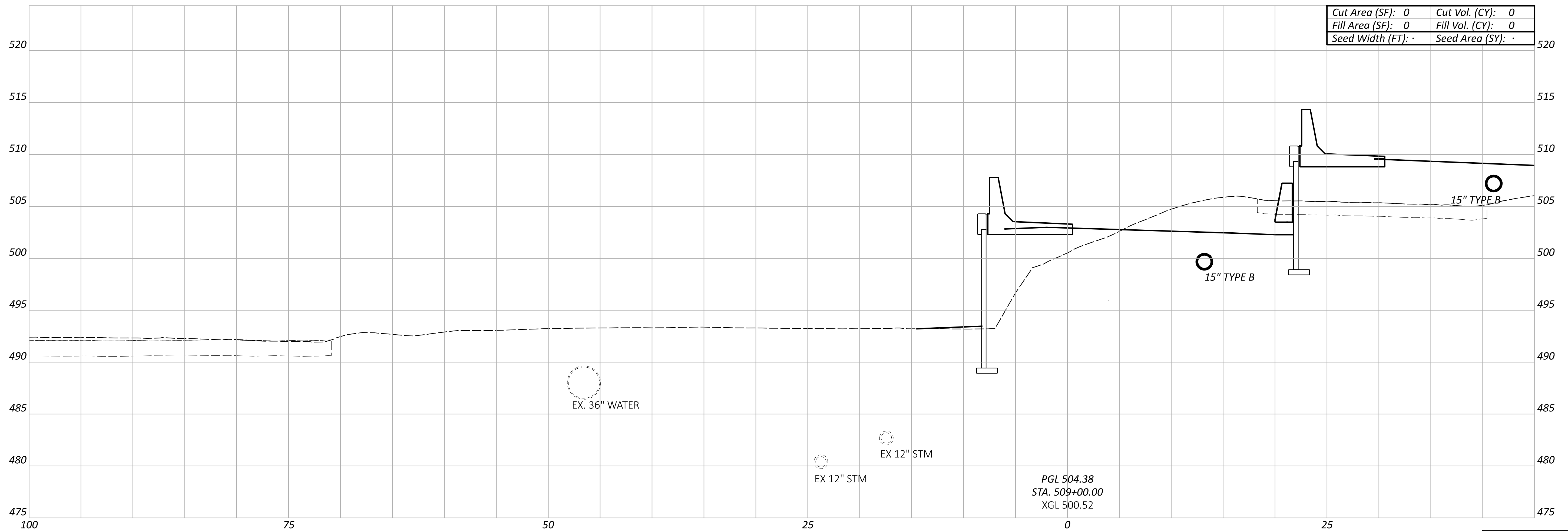
DESIGN AGENCY

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SJB

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114161

CROSS SECTIONS - RAMP G
STA 508+50.00



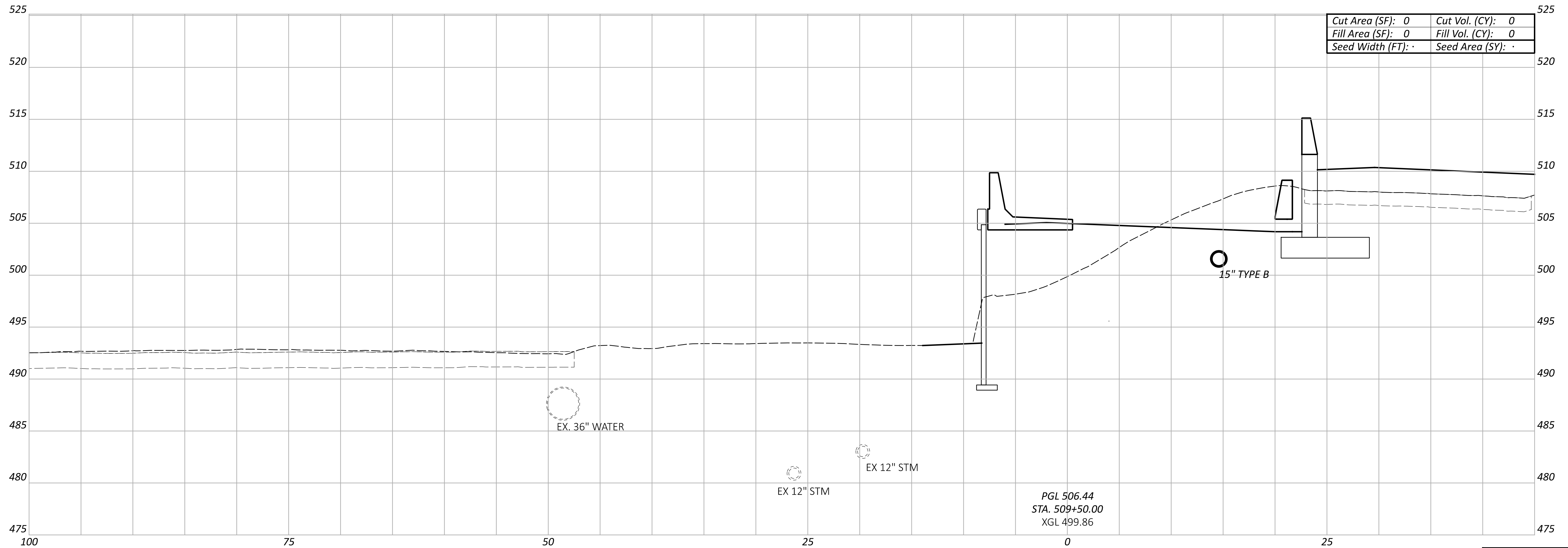
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PGL 504.38
 STA. 509+00.00
 XGL 500.52

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.236	463

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CROSS SECTIONS - RAMP G
 STA 509+00.00



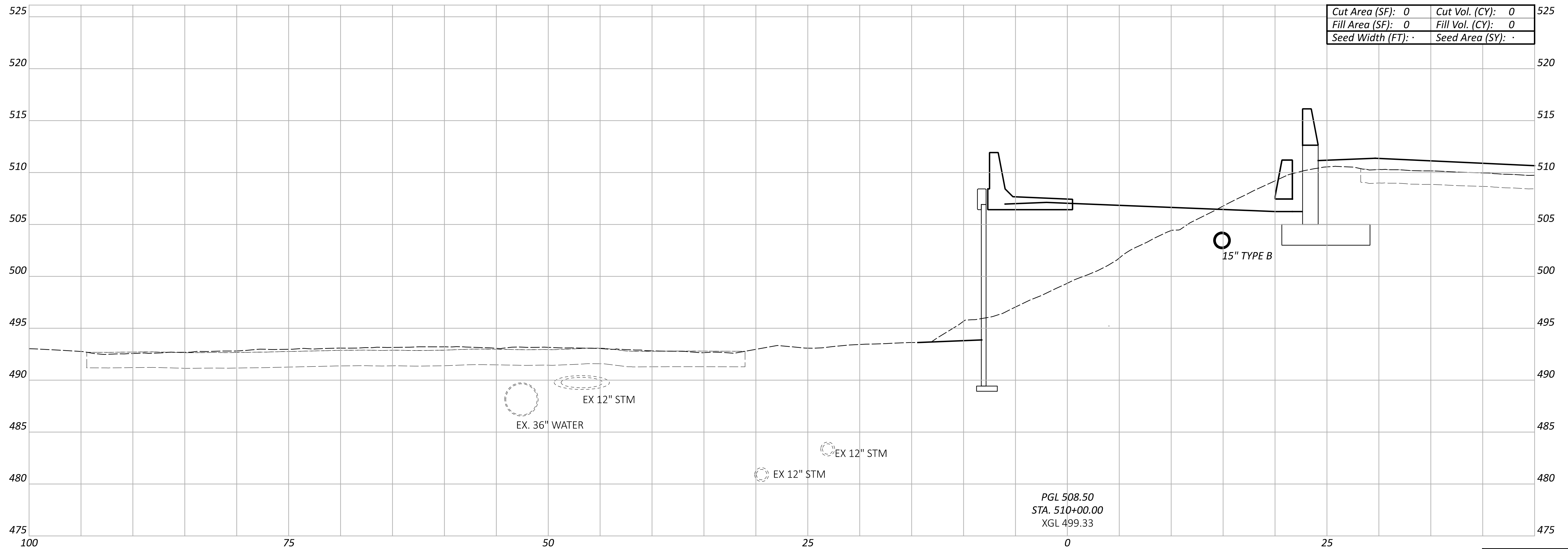
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PGL 506.44
STA. 509+50.00
XGL 499.86

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.237	463

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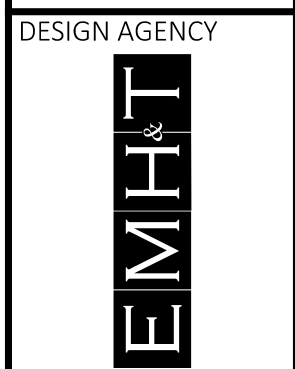
CROSS SECTIONS - RAMP G
 STA 509+50.00



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PGL 508.50
 STA. 510+00.00
 XGL 499.33

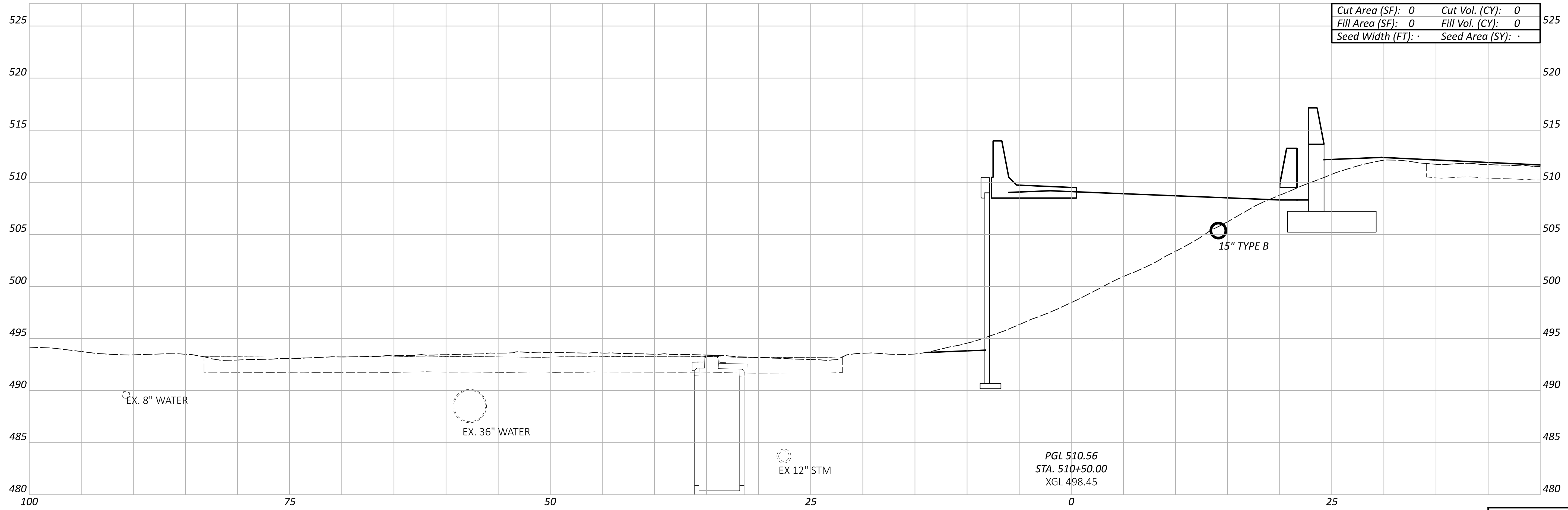
CROSS SECTIONS - RAMP G
 STA 510+00.00



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Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.238	463


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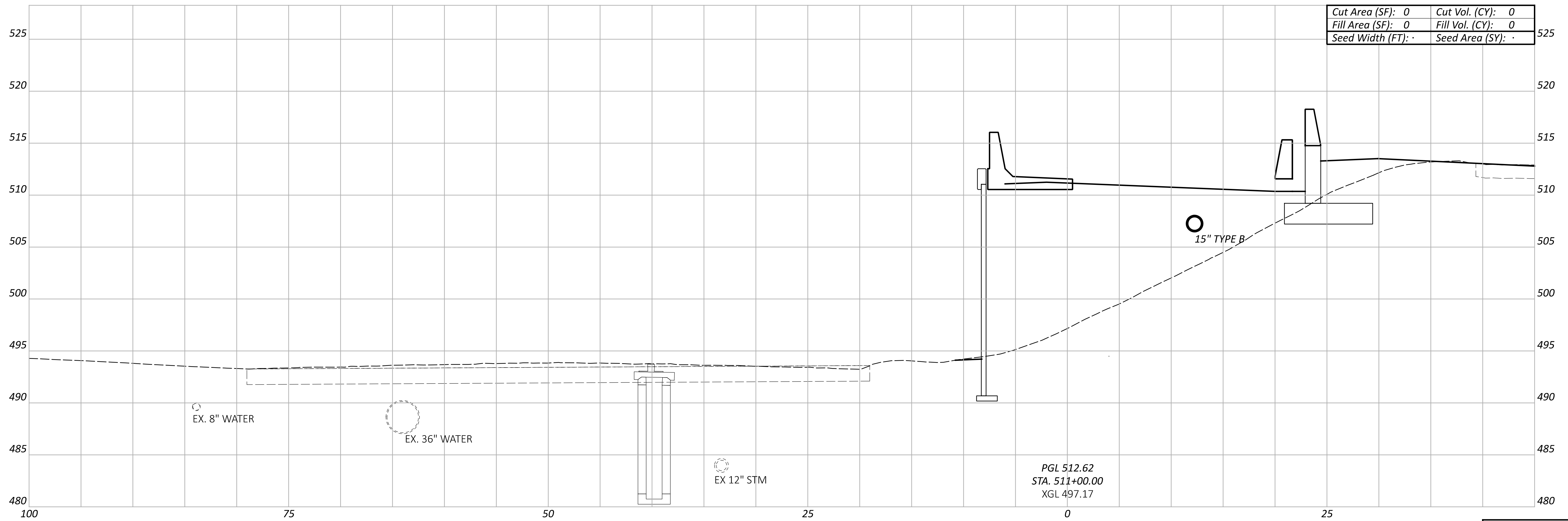
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PGL 510.56
STA. 510+50.00
XGL 498.45

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.239	463

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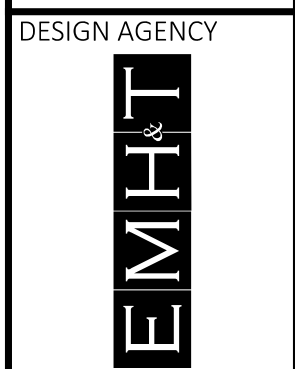
CROSS SECTIONS - RAMP G
 STA 510+50.00



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Seed Width (FT): .	Seed Area (SY): .

PGL 512.62
STA. 511+00.00
XGL 497.17

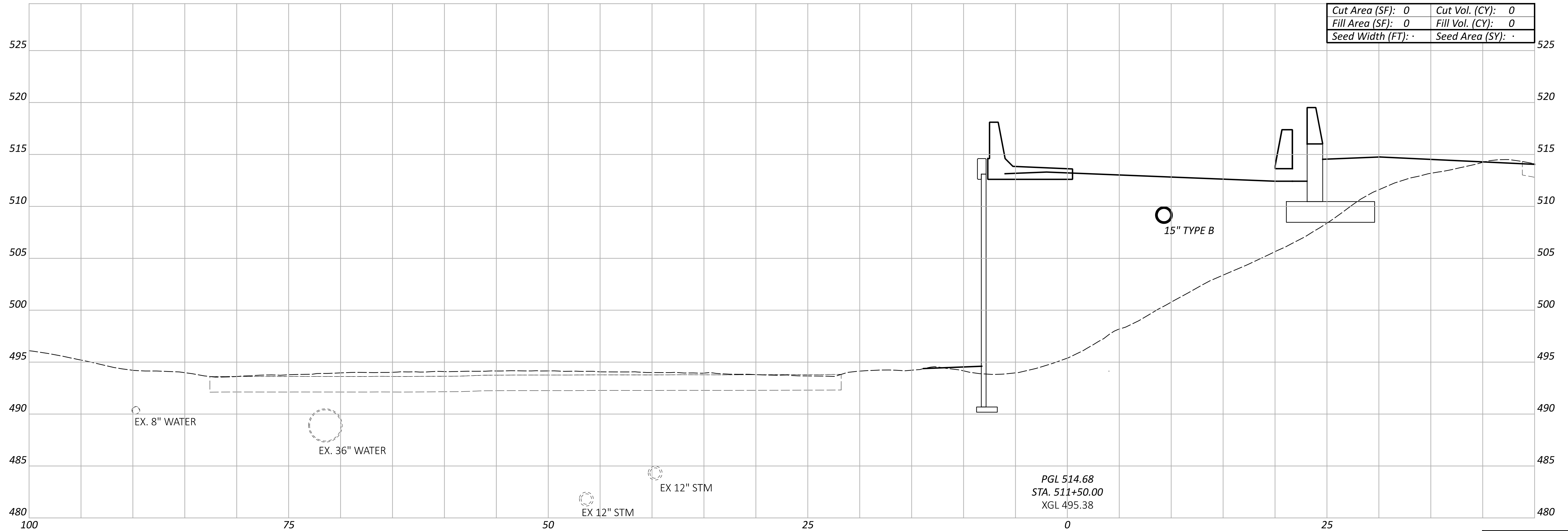
Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.240	463



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114161

CROSS SECTIONS - RAMP G
STA 511+00.00



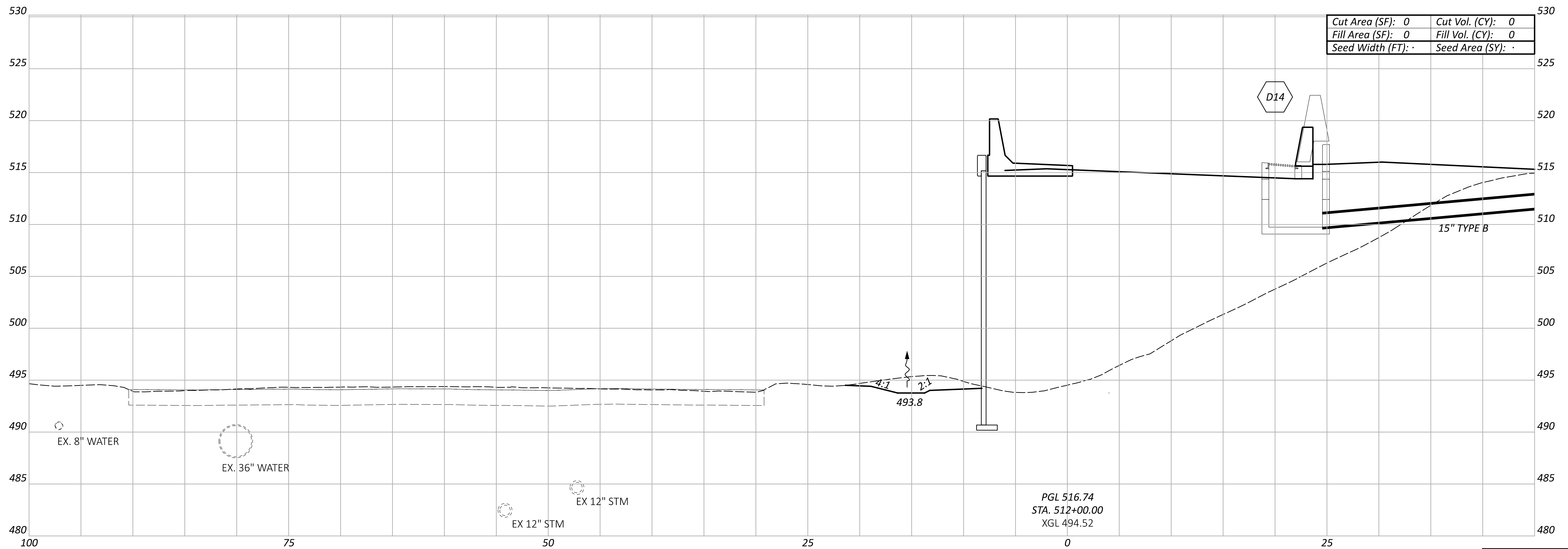
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PGL 514.68
 STA. 511+50.00
 XGL 495.38

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.241	463

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CROSS SECTIONS - RAMP G
 STA 511+50.00



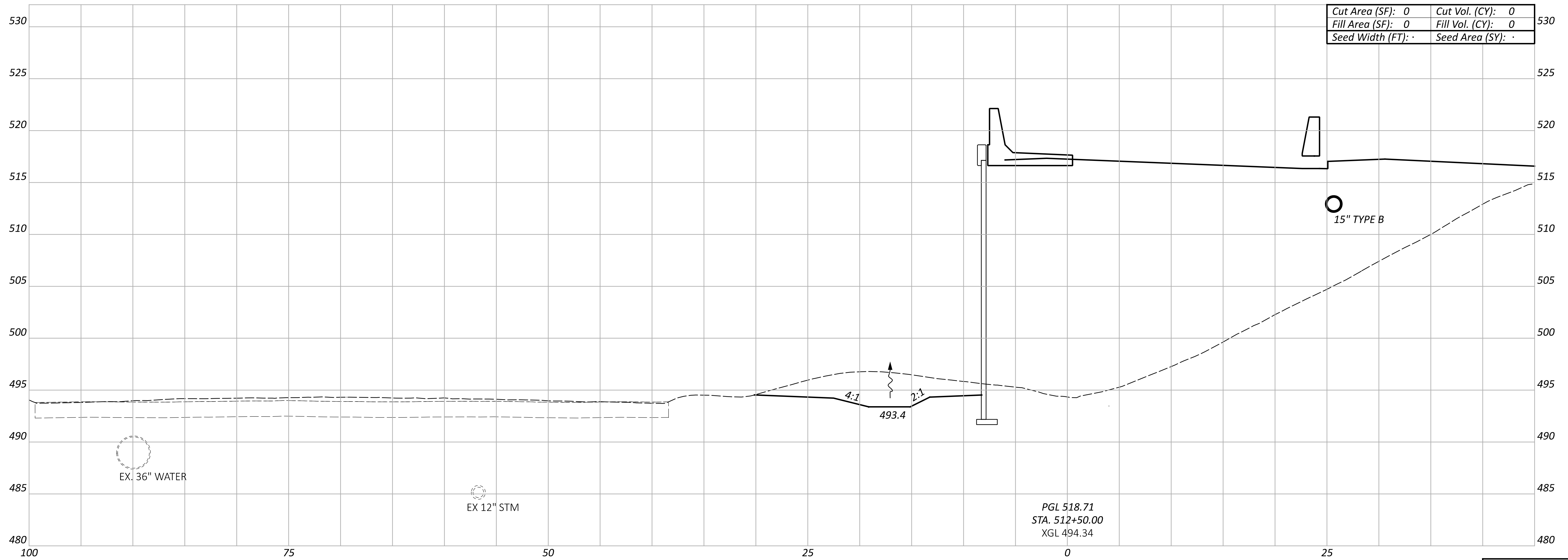
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PGL 516.74
 STA. 512+00.00
 XGL 494.52

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
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CROSS SECTIONS - RAMP G
 STA 512+00.00



CROSS SECTIONS - RAMP G
 STA 512+50.00

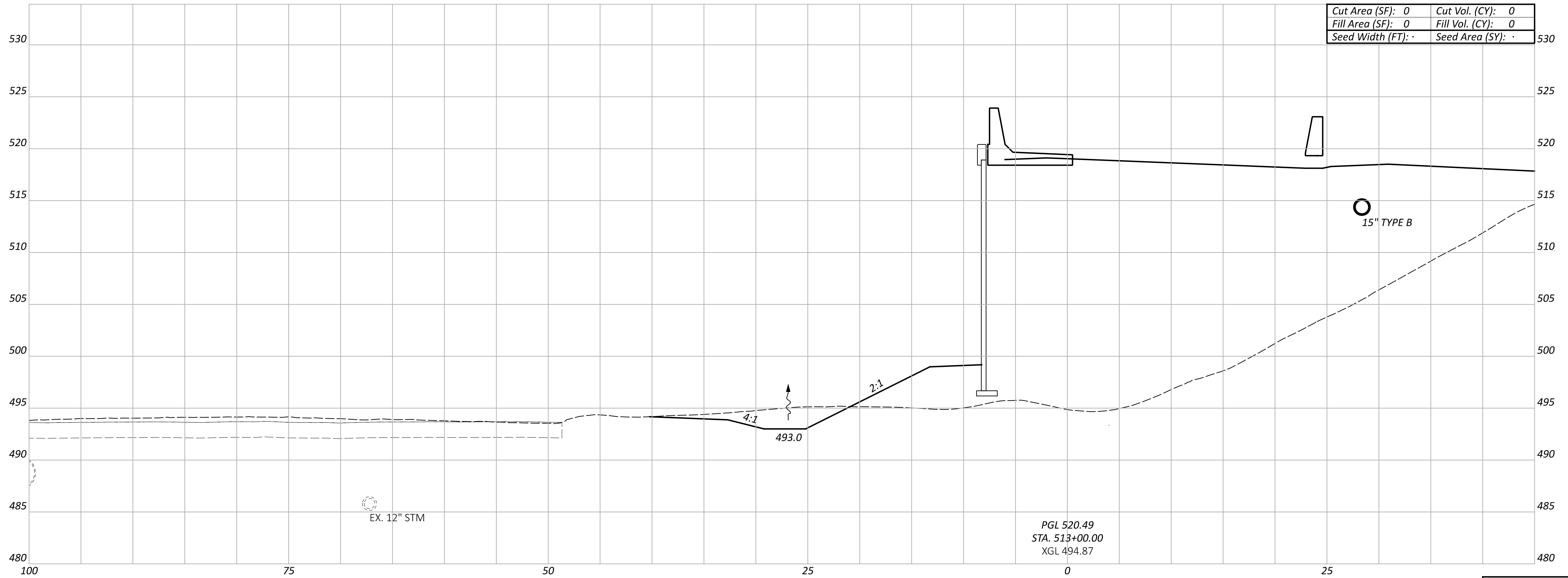
DESIGN AGENCY



DESIGNER
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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.243 463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - RAMP G
 STA 513+00.00

DESIGN AGENCY



DESIGNER

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REVIEWER

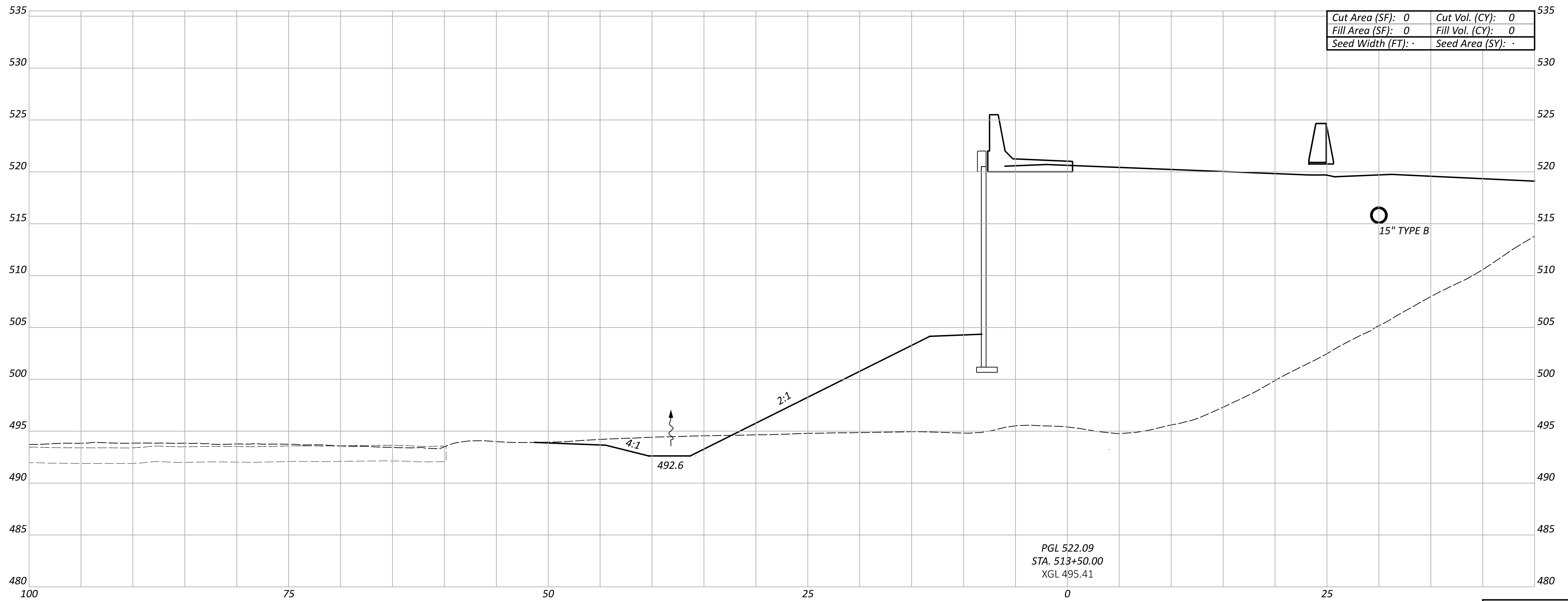
MJR 06/21/24

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114161

Sheet Totals		
Seeding	Cut	Fill
.	.	.

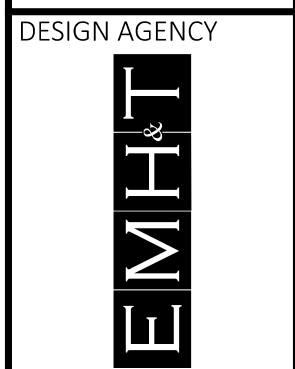
SHEET	TOTAL
P.244	463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

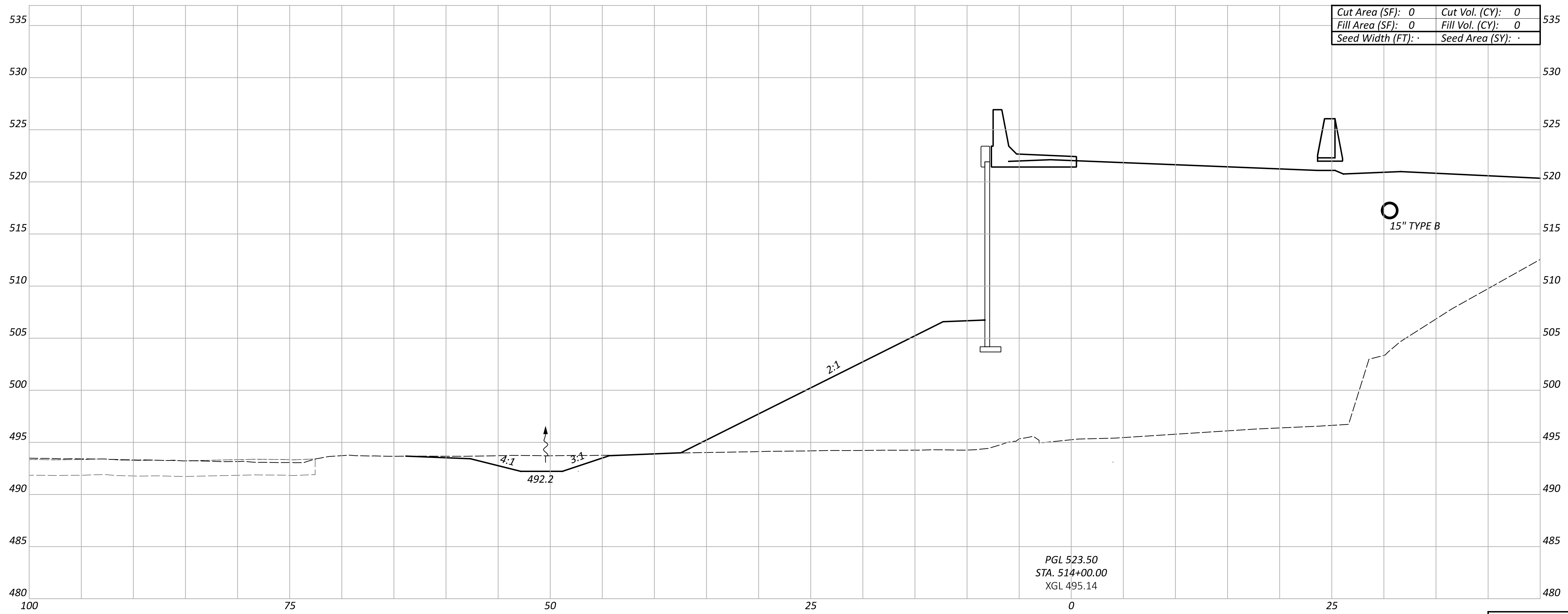
PGL 522.09
 STA. 513+50.00
 XGL 495.41

CROSS SECTIONS - RAMP G
 STA 513+50.00

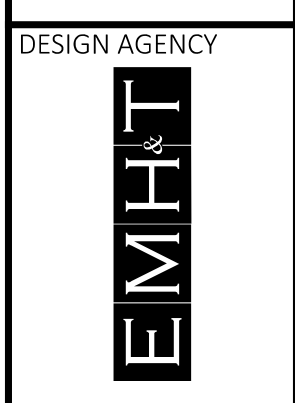


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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.245 463

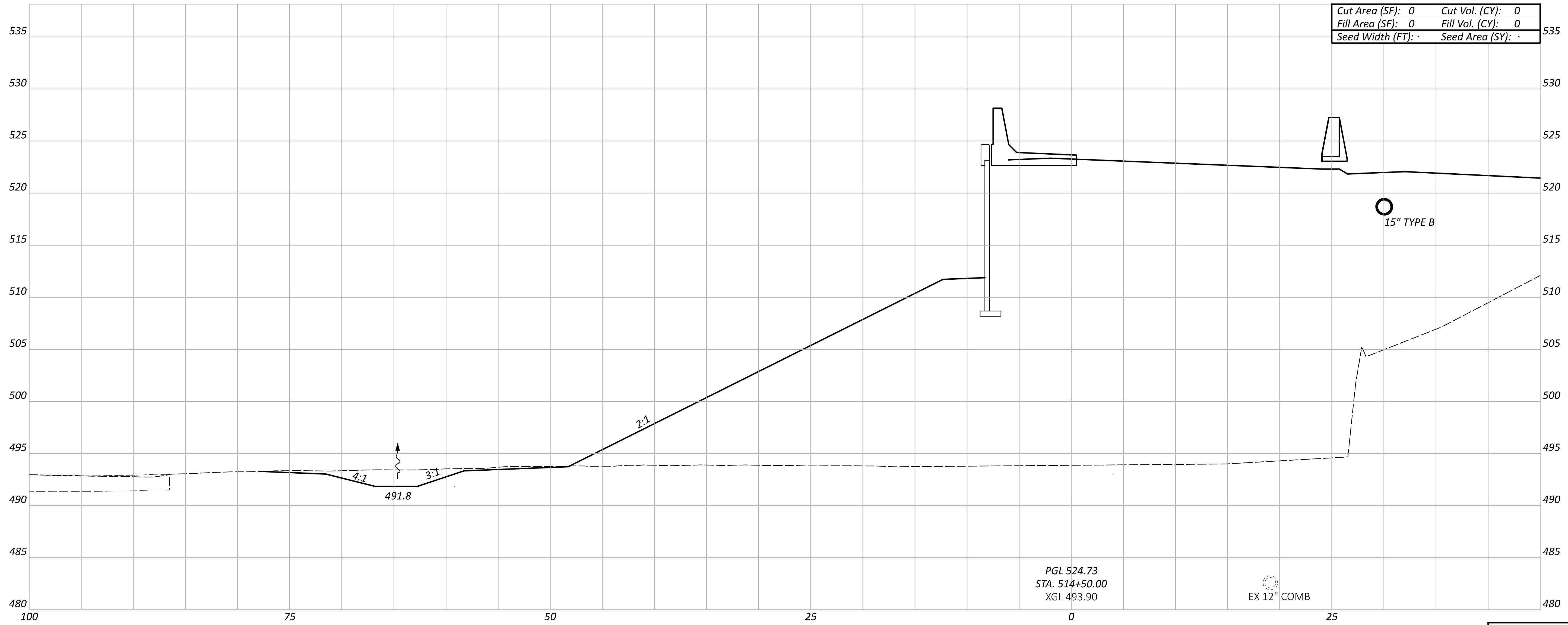


CROSS SECTIONS - RAMP G
STA 514+00.00



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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.246 463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 524.73
STA. 514+50.00
XGL 493.90

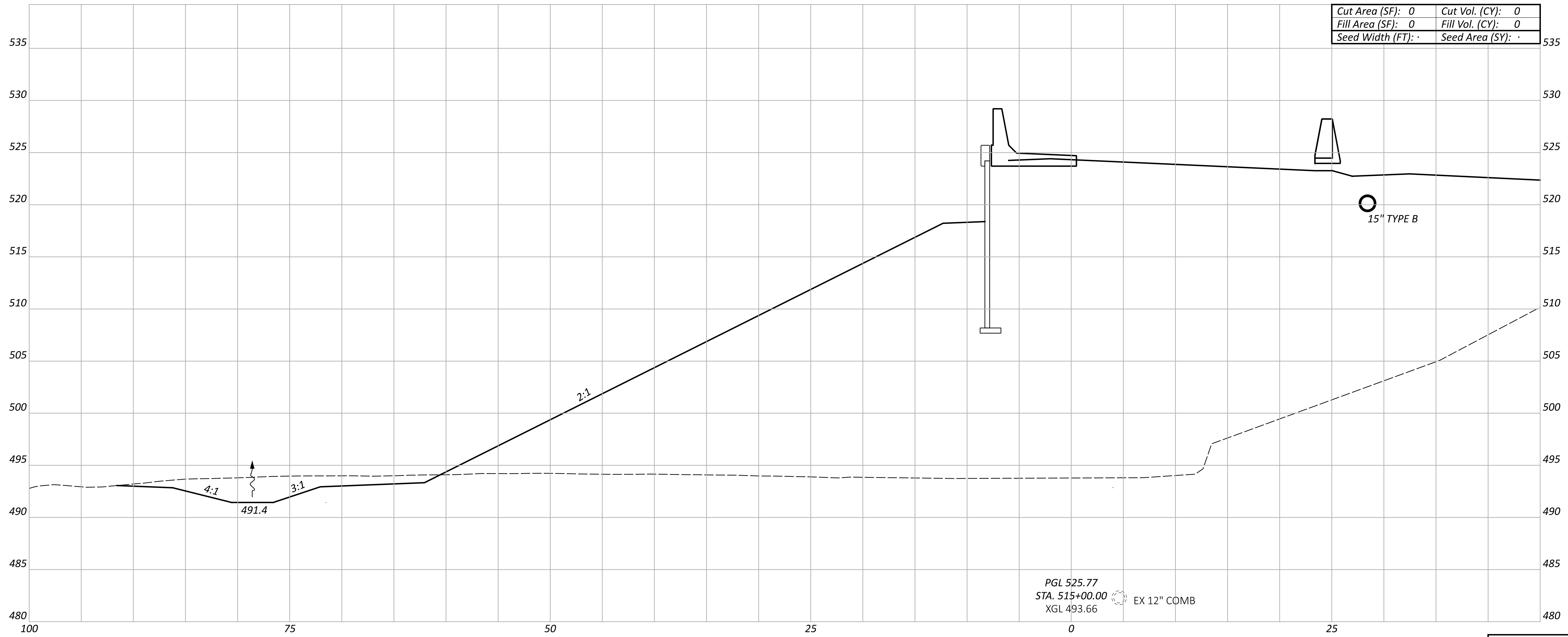
EX 12" COMB

15" TYPE B

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.247	463


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CROSS SECTIONS - RAMP G
STA 514+50.00

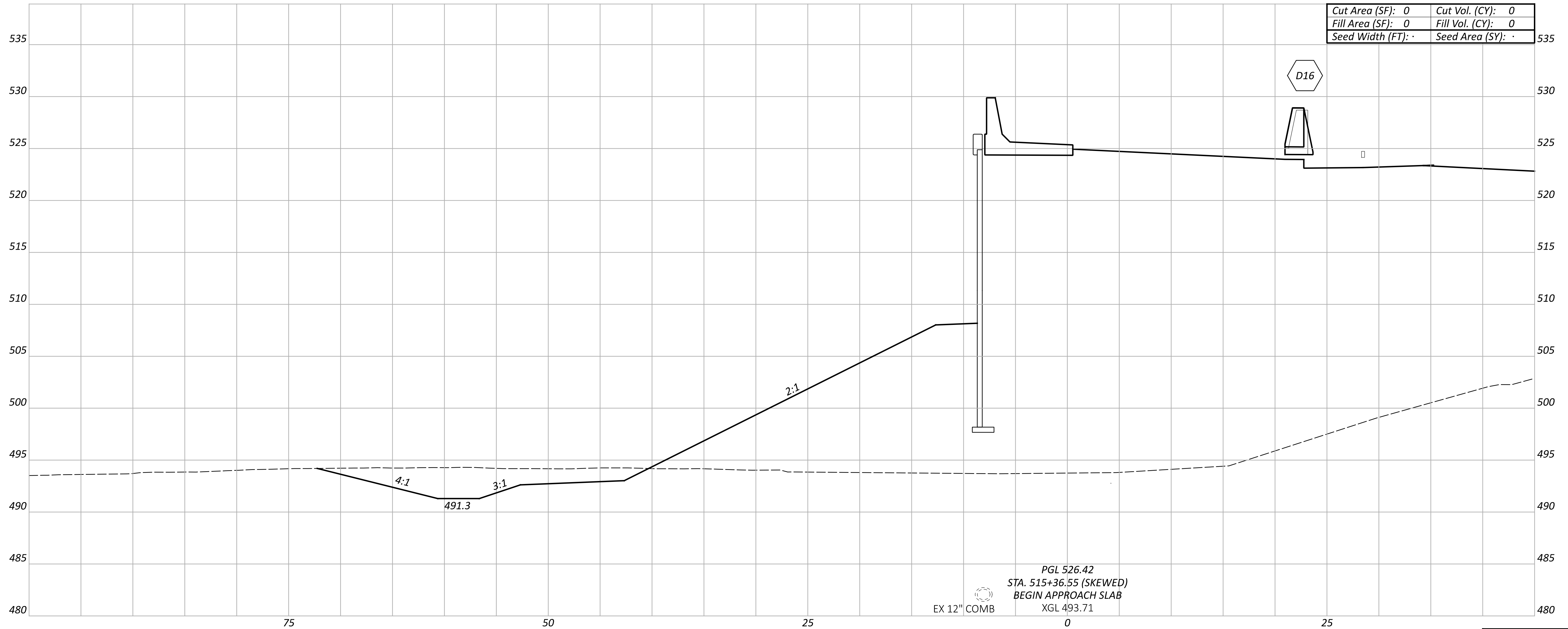


PGL 525.77
STA. 515+00.00 EX 12" COMB
XGL 493.66

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.248	463

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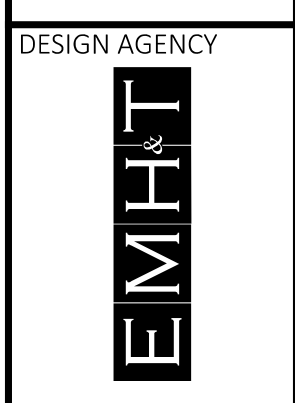
CROSS SECTIONS - RAMP G
STA 515+00.00



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 526.42
 STA. 515+36.55 (SKEWED)
 BEGIN APPROACH SLAB
 XGL 493.71

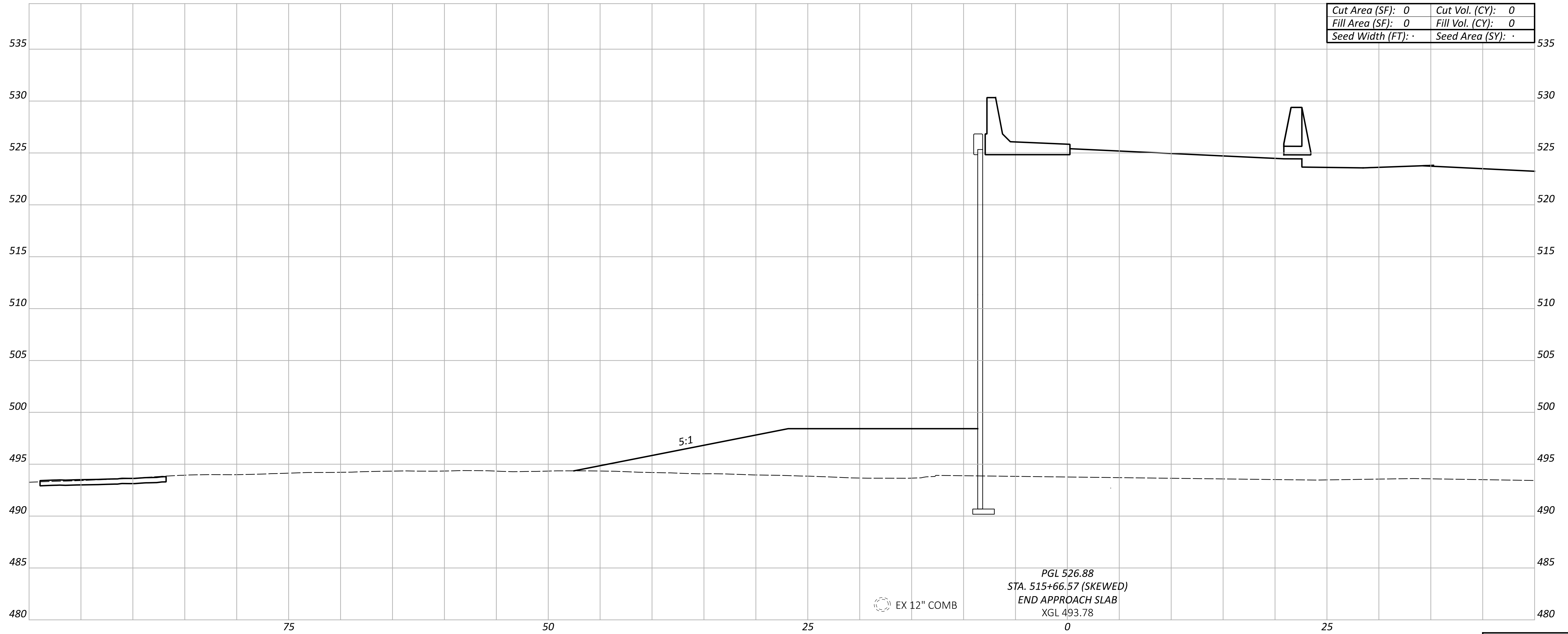
CROSS SECTIONS - RAMP G
 STA 515+36.55



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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.249 463

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Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
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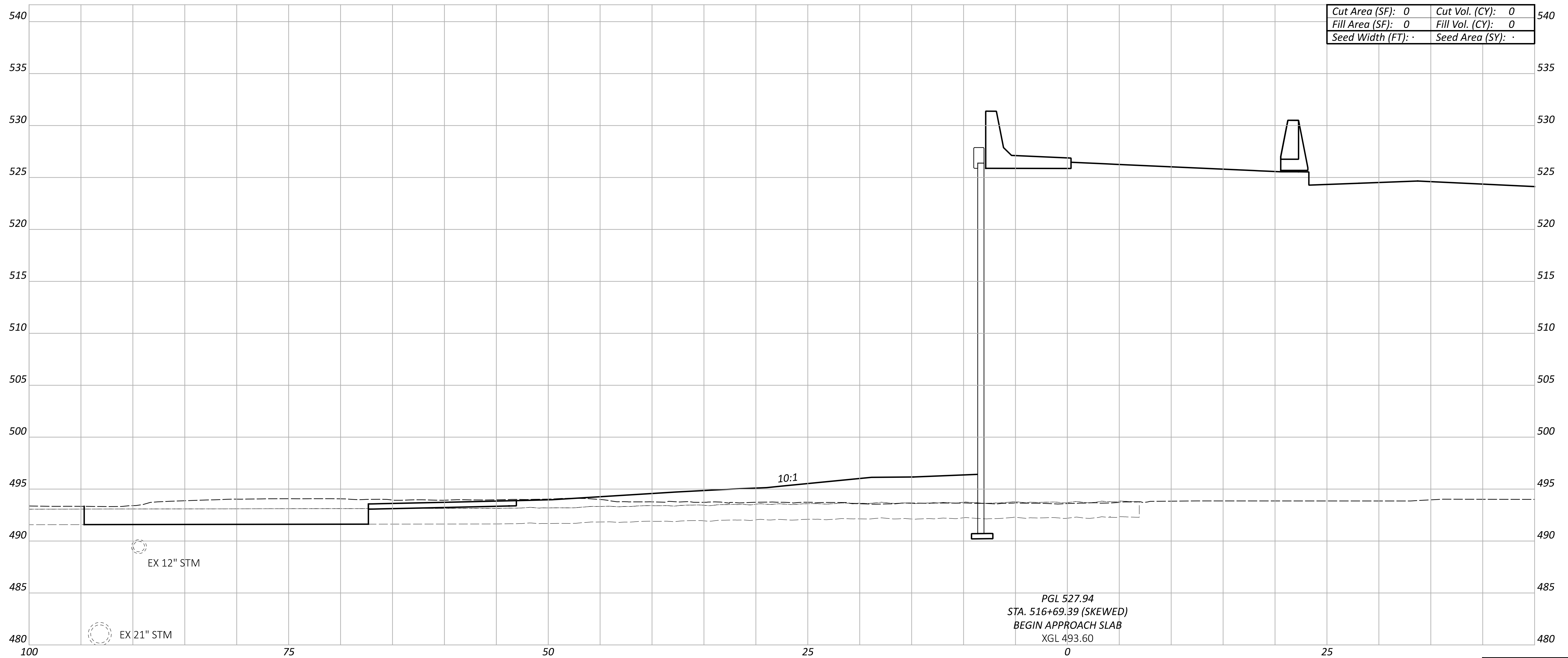
PGL 526.88
 STA. 515+66.57 (SKEWED)
 END APPROACH SLAB
 XGL 493.78

EX 12" COMB

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.250	463

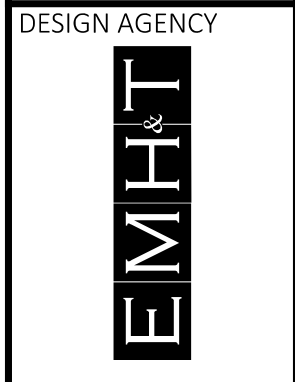
CROSS SECTIONS - RAMP G
 STA 515+66.57

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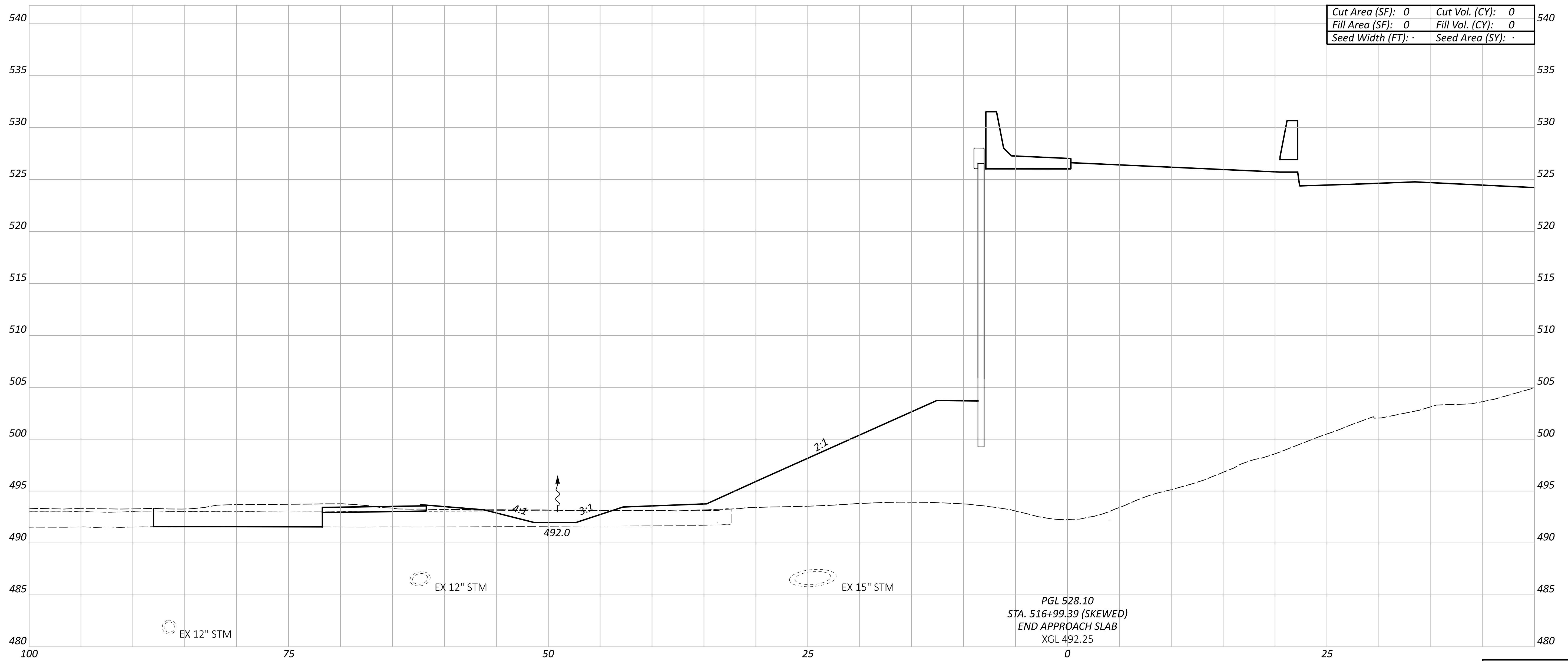
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - RAMP G
STA 516+69.39



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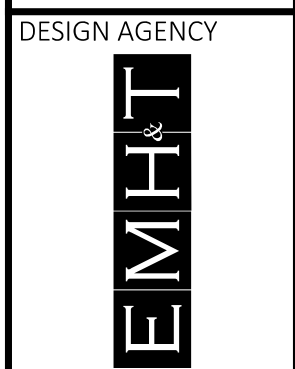
Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.251 463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

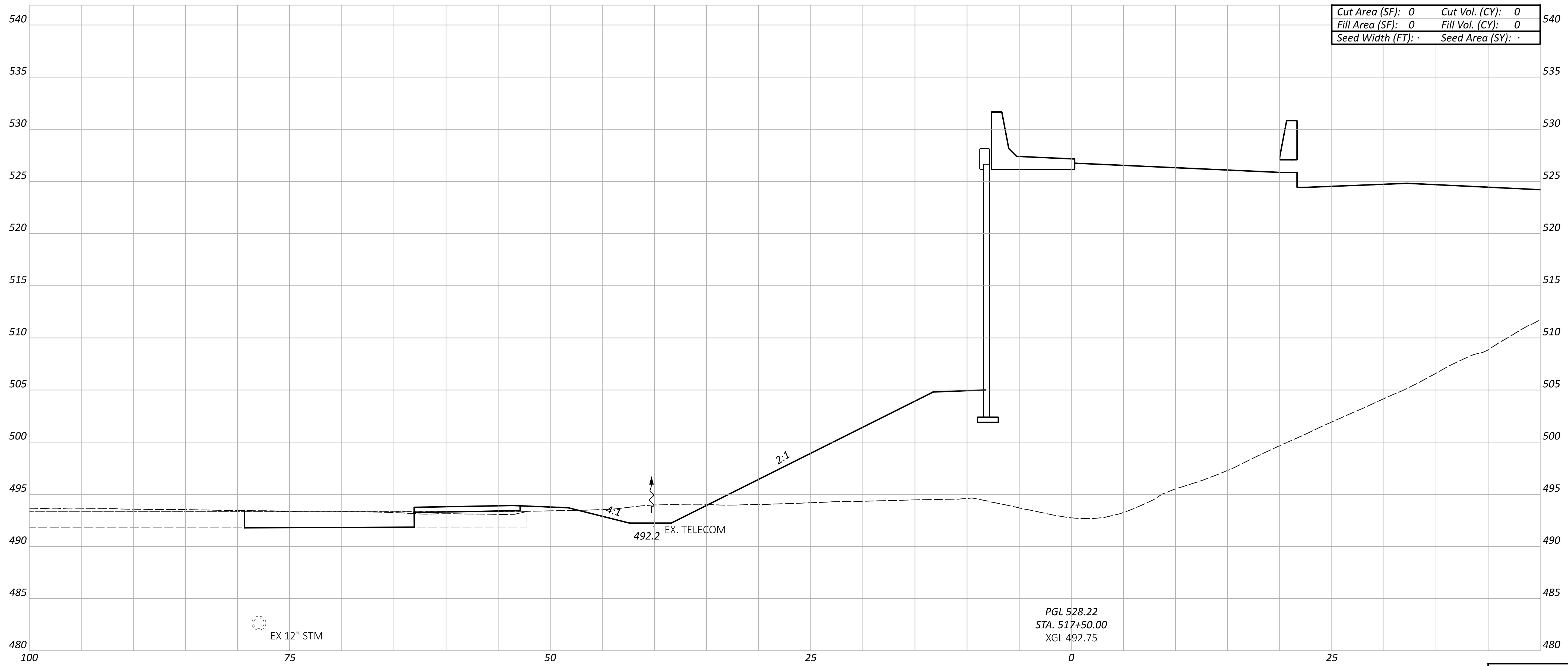
PGL 528.10
 STA. 516+99.39 (SKEWED)
 END APPROACH SLAB
 XGL 492.25

CROSS SECTIONS - RAMP G
 STA 516+99.39



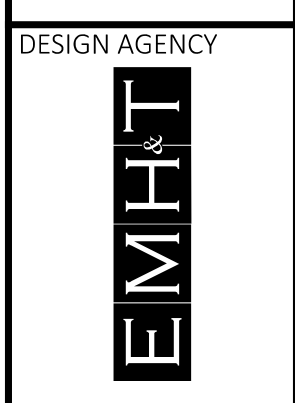
DESIGN AGENCY
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 REVIEWER
 MJR 06/21/24

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.252 463



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

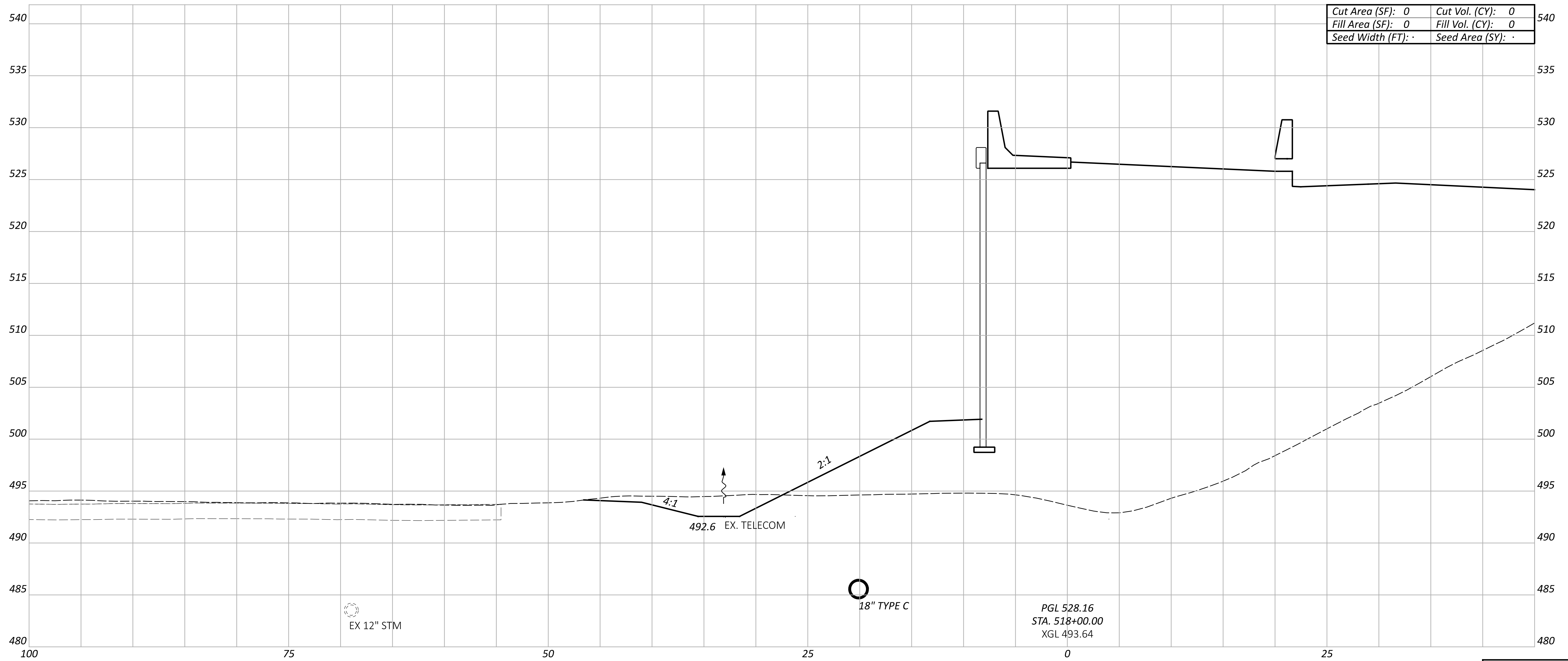
CROSS SECTIONS - RAMP G
STA 517+50.00



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114161
SHEET TOTAL
P.253 463

Sheet Totals		
Seeding	Cut	Fill
.	.	.



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - RAMP G
STA 518+00.00

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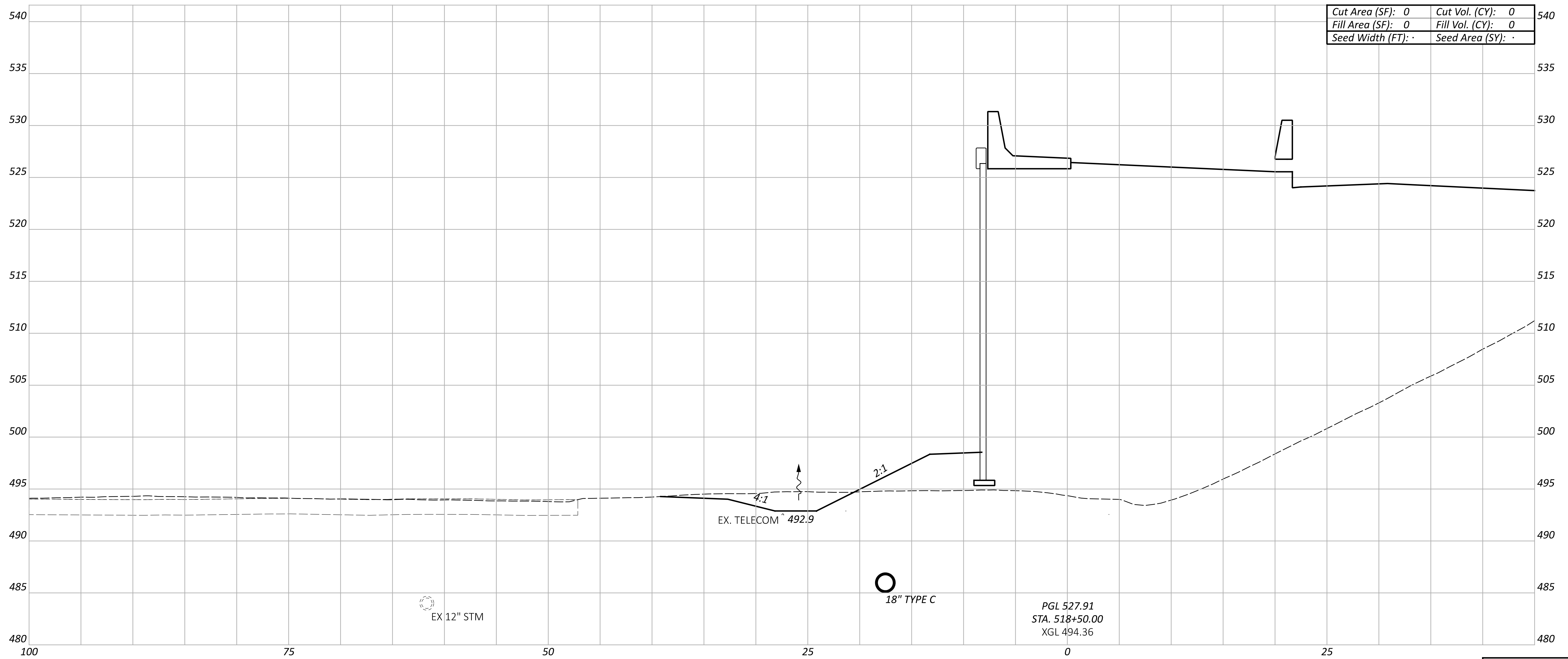
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill
.	.	.

SHEET	TOTAL
P.254	463

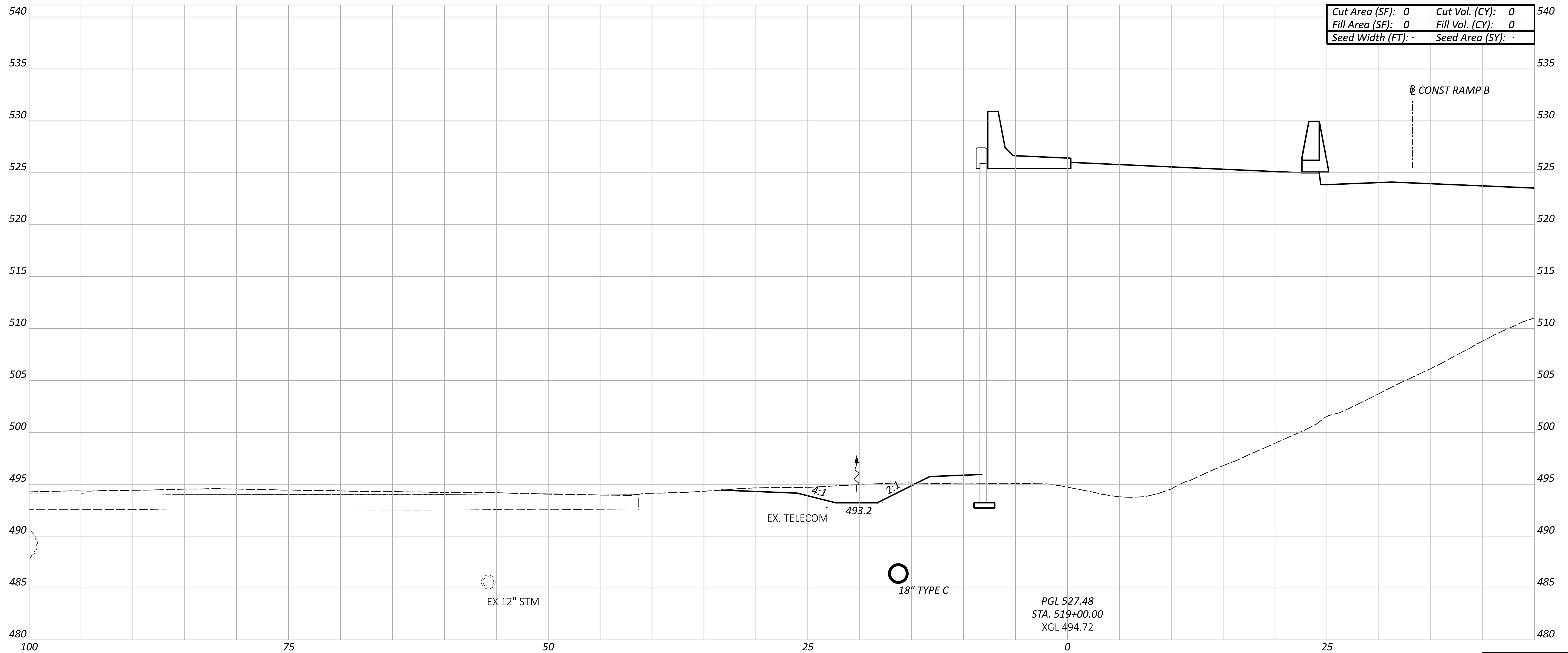


Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.255	463

CROSS SECTIONS - RAMP G
STA 518+50.00

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CROSS SECTIONS - RAMP G
STA 519+00.00

DESIGN AGENCY



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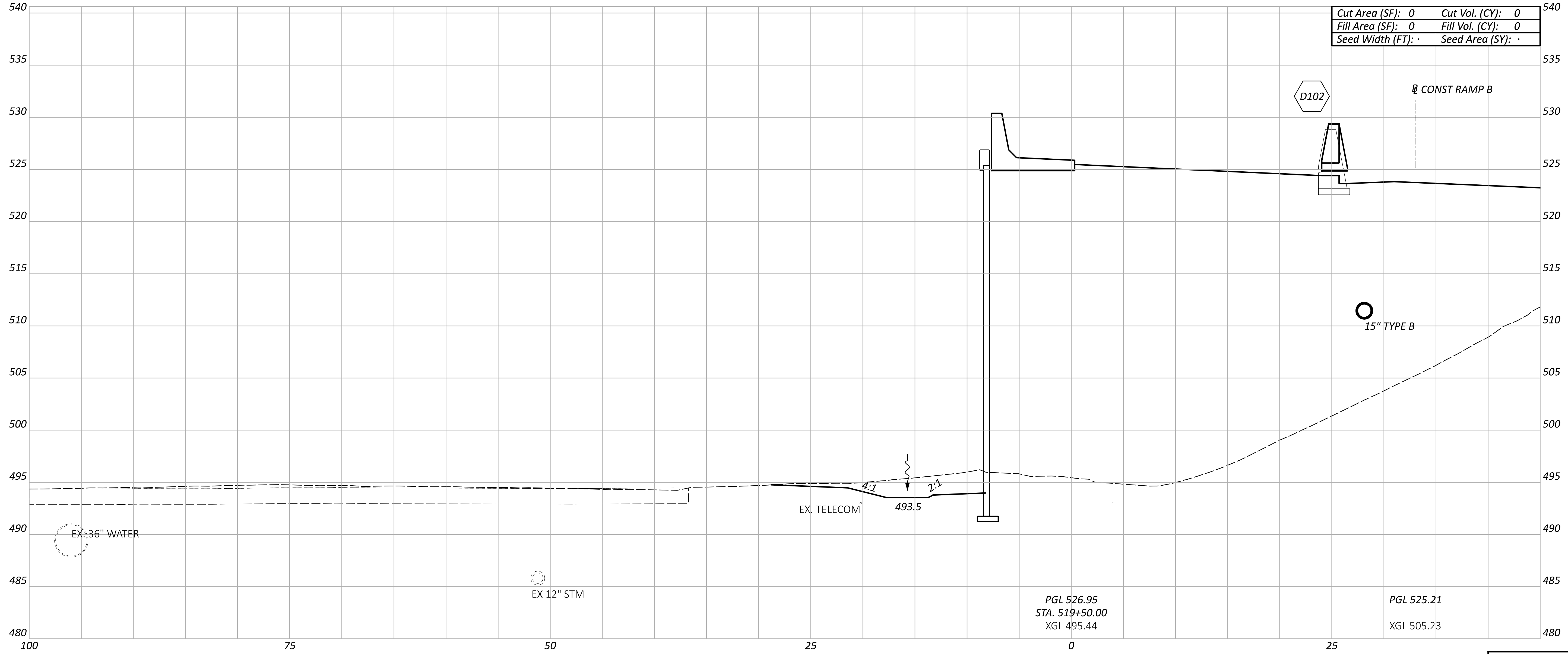
REVIEWER

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Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.256	463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - RAMP G
STA 519+50.00

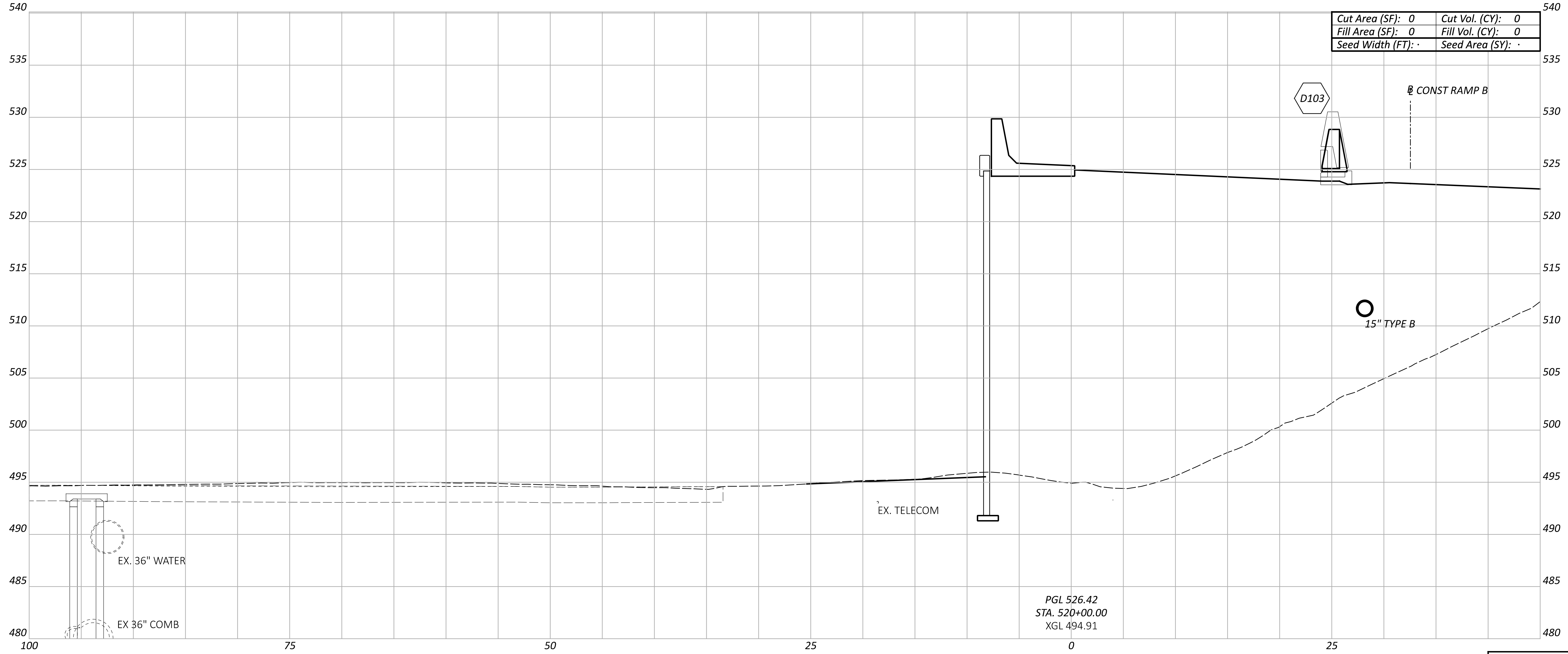
DESIGN AGENCY



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Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.257	463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - RAMP G
STA 520+00.00

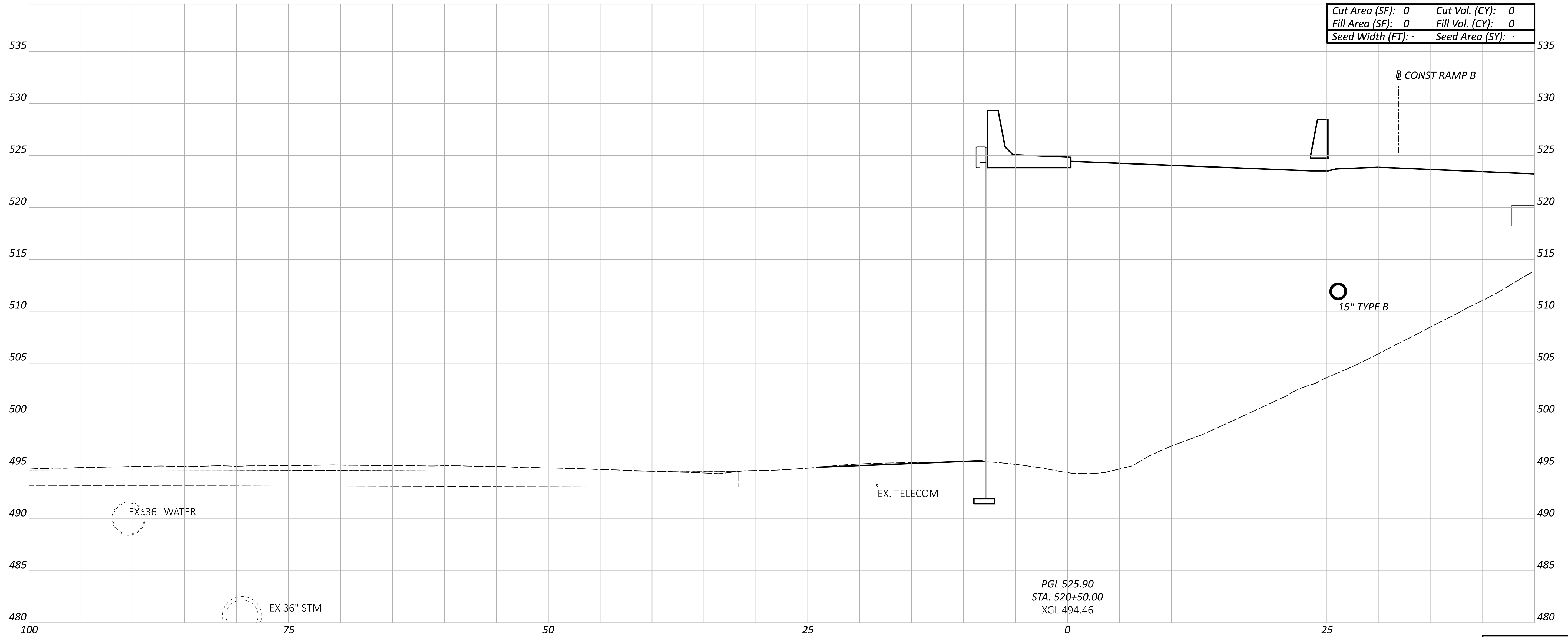
DESIGN AGENCY
EMHT

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114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.258	463

PGL 526.42
STA. 520+00.00
XGL 494.91



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
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CROSS SECTIONS - RAMP G
STA 520+50.00

DESIGN AGENCY



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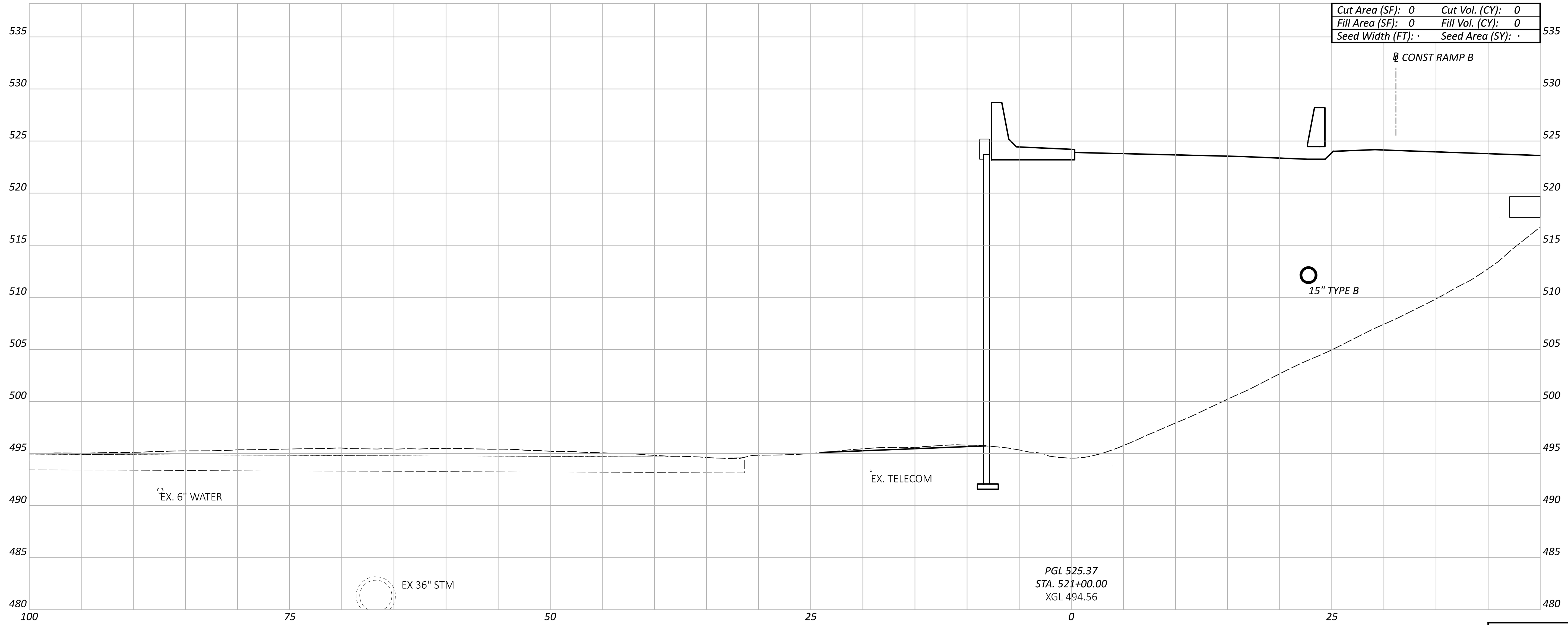
REVIEWER

MJR 06/21/24

PROJECT ID

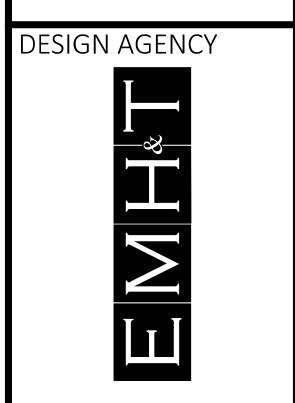
114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.259	463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - RAMP G
STA 521+00.00

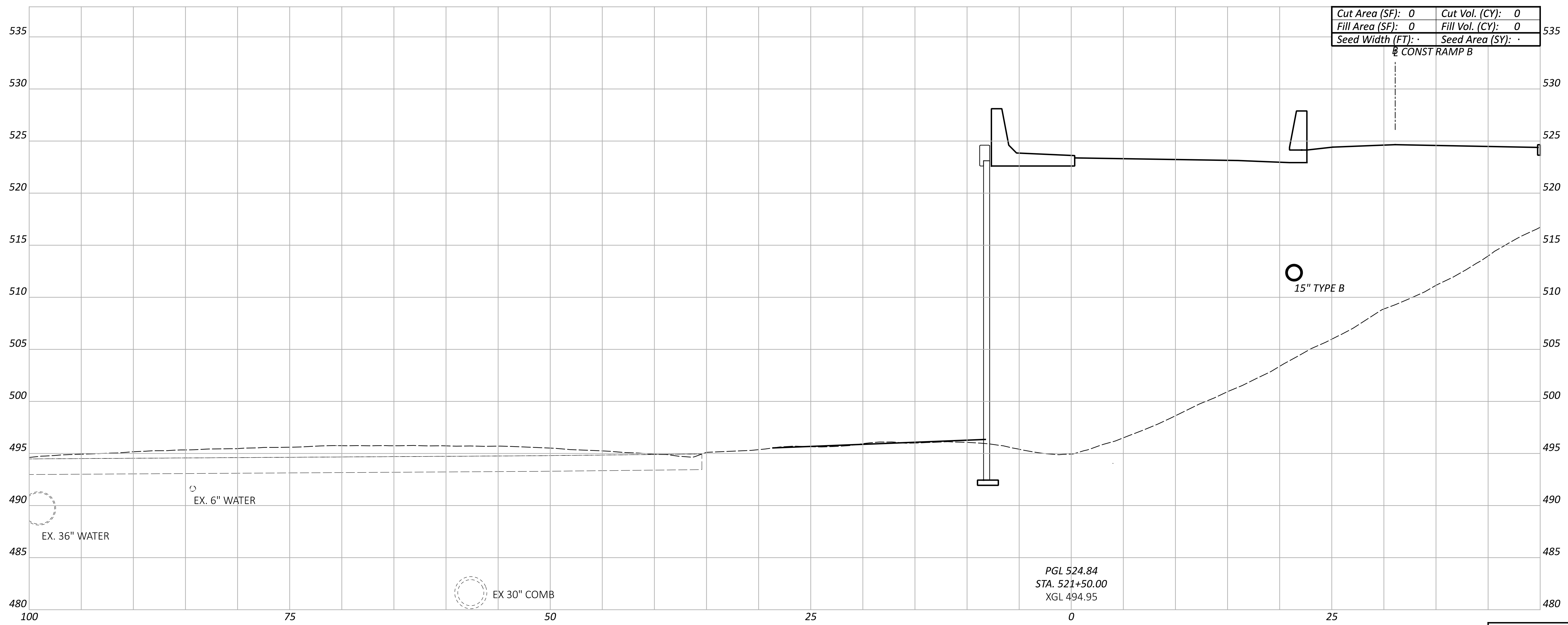


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SHEET TOTAL	P.260 / 463

Sheet Totals		
Seeding	Cut	Fill
.	.	.

PGL 525.37
STA. 521+00.00
XGL 494.56



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

CONST RAMP B

15" TYPE B

PGL 524.84
STA. 521+50.00
XGL 494.95

EX 30" COMB

EX. 6" WATER

EX. 36" WATER

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.261	463

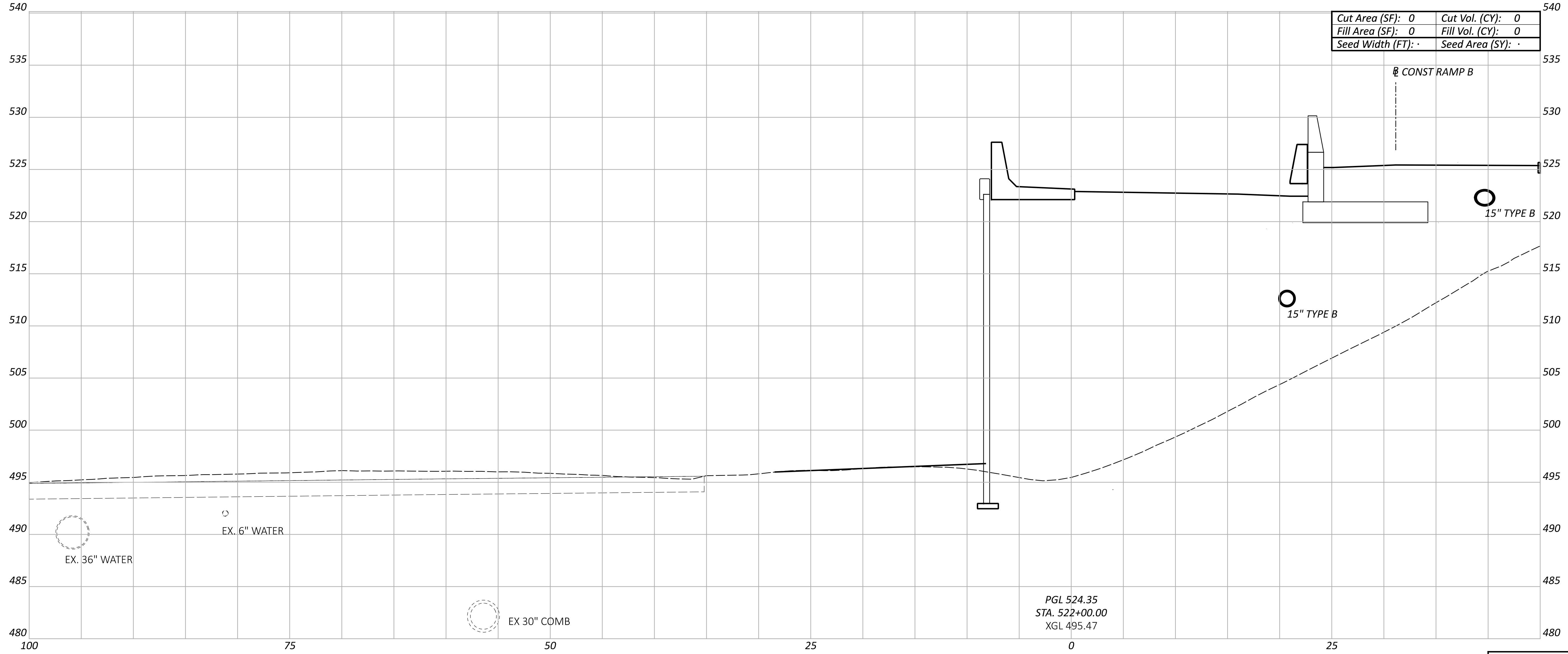
DESIGN AGENCY
EMHT

DESIGNER
SJB
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PROJECT ID
114161

SHEET TOTAL
P.261 463

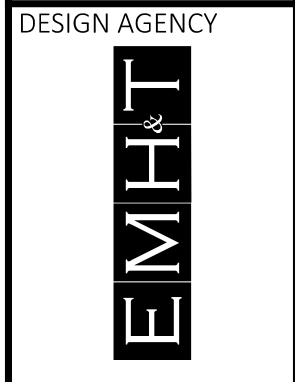
CROSS SECTIONS - RAMP G
STA 521+50.00



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

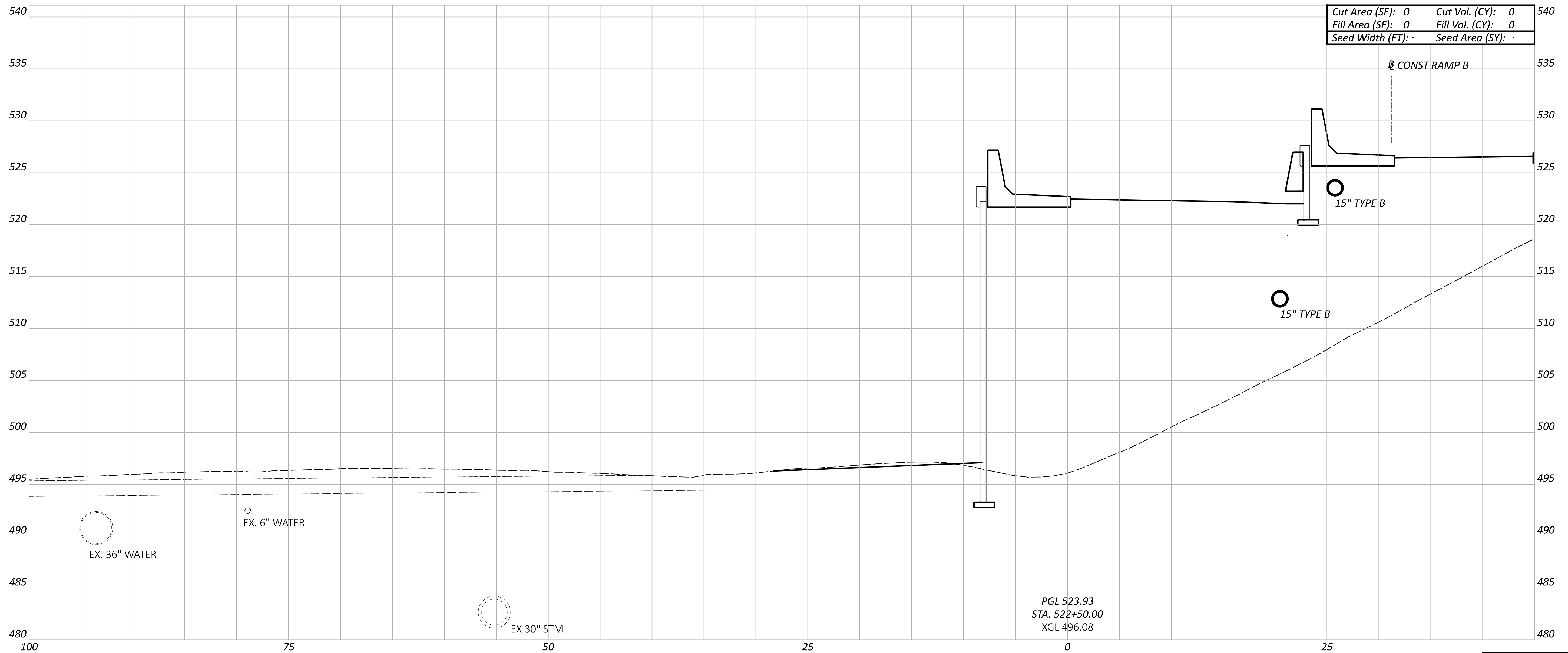
PGL 524.35
STA. 522+00.00
XGL 495.47

CROSS SECTIONS - RAMP G
STA 522+00.00



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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.262 463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

CONST RAMP B

15" TYPE B

15" TYPE B

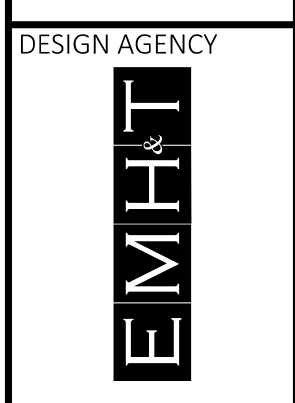
EX. 6" WATER

EX. 36" WATER

EX 30" STM

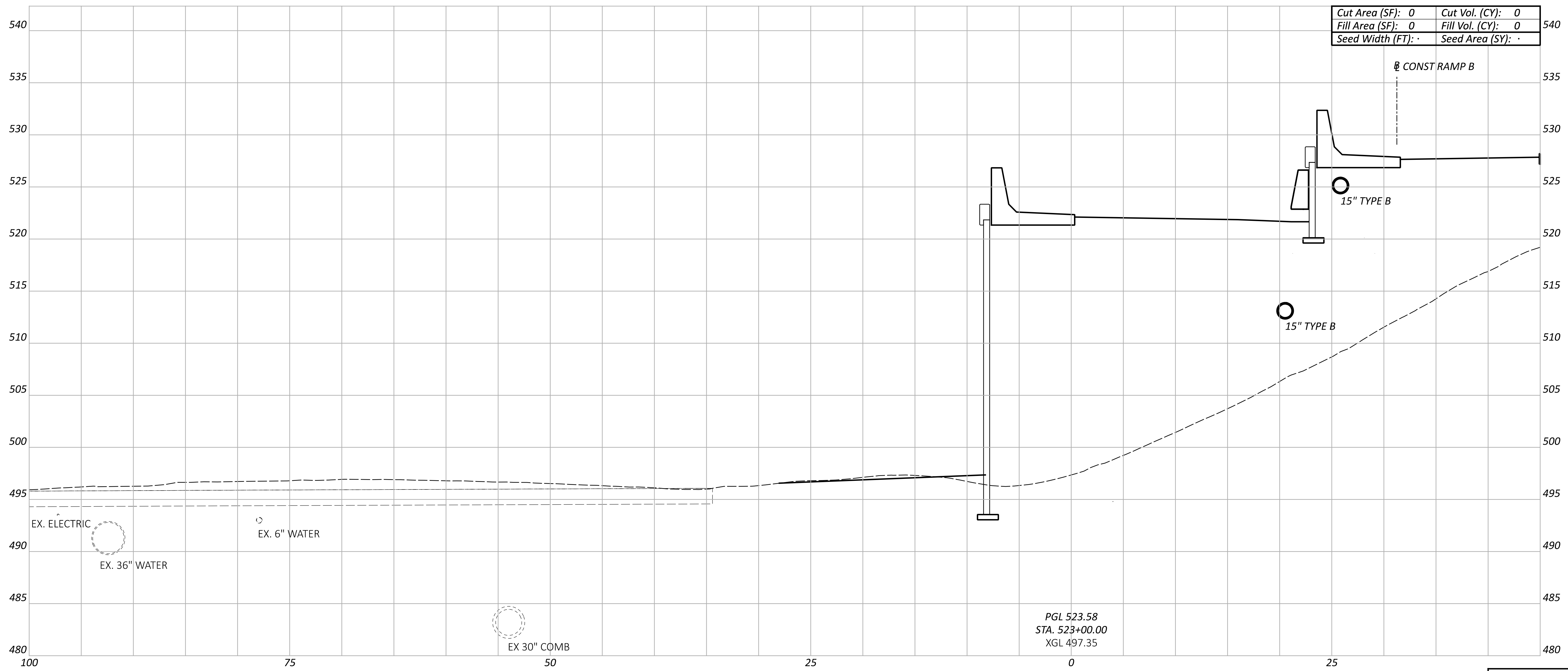
PGL 523.93
STA. 522+50.00
XGL 496.08

CROSS SECTIONS - RAMP G
STA 522+50.00



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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.263 463



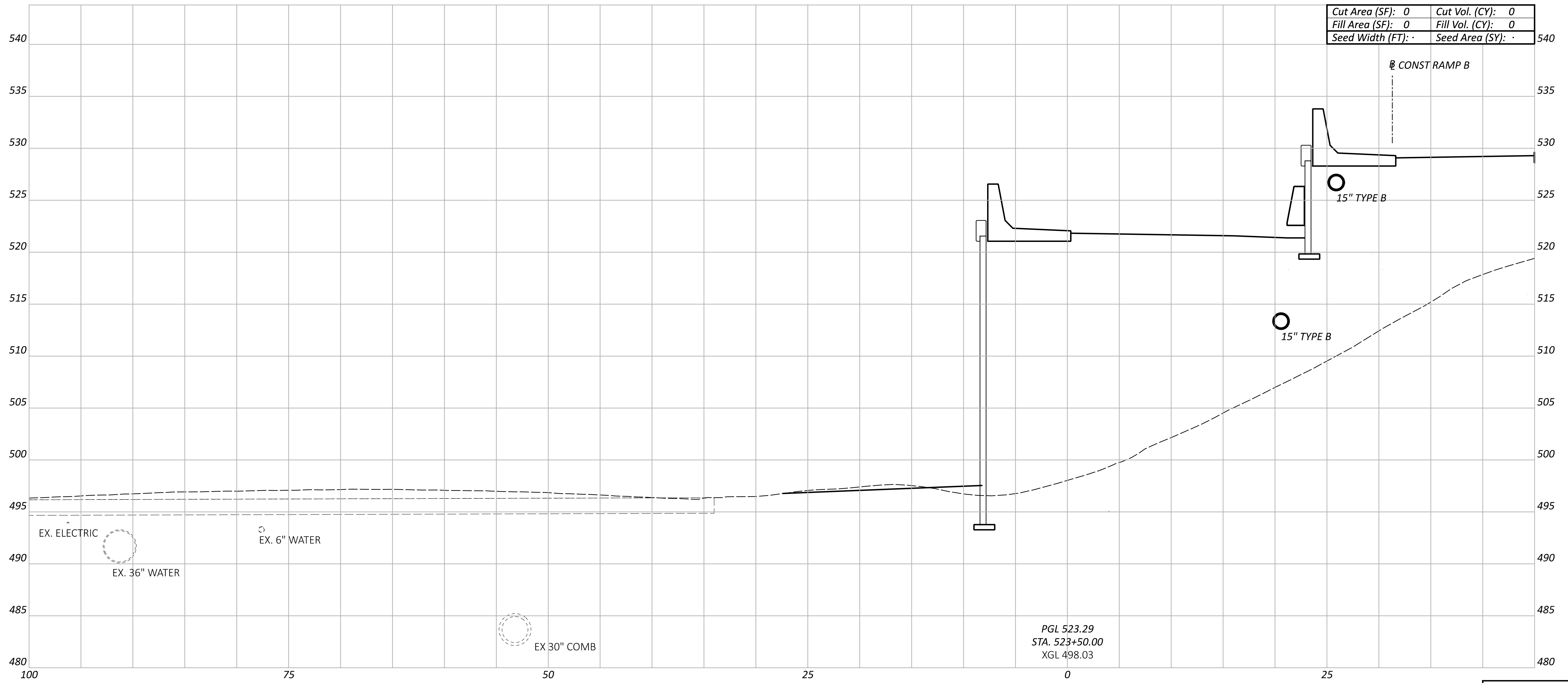
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 523.58
 STA. 523+00.00
 XGL 497.35

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
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CROSS SECTIONS - RAMP G
 STA 523+00.00



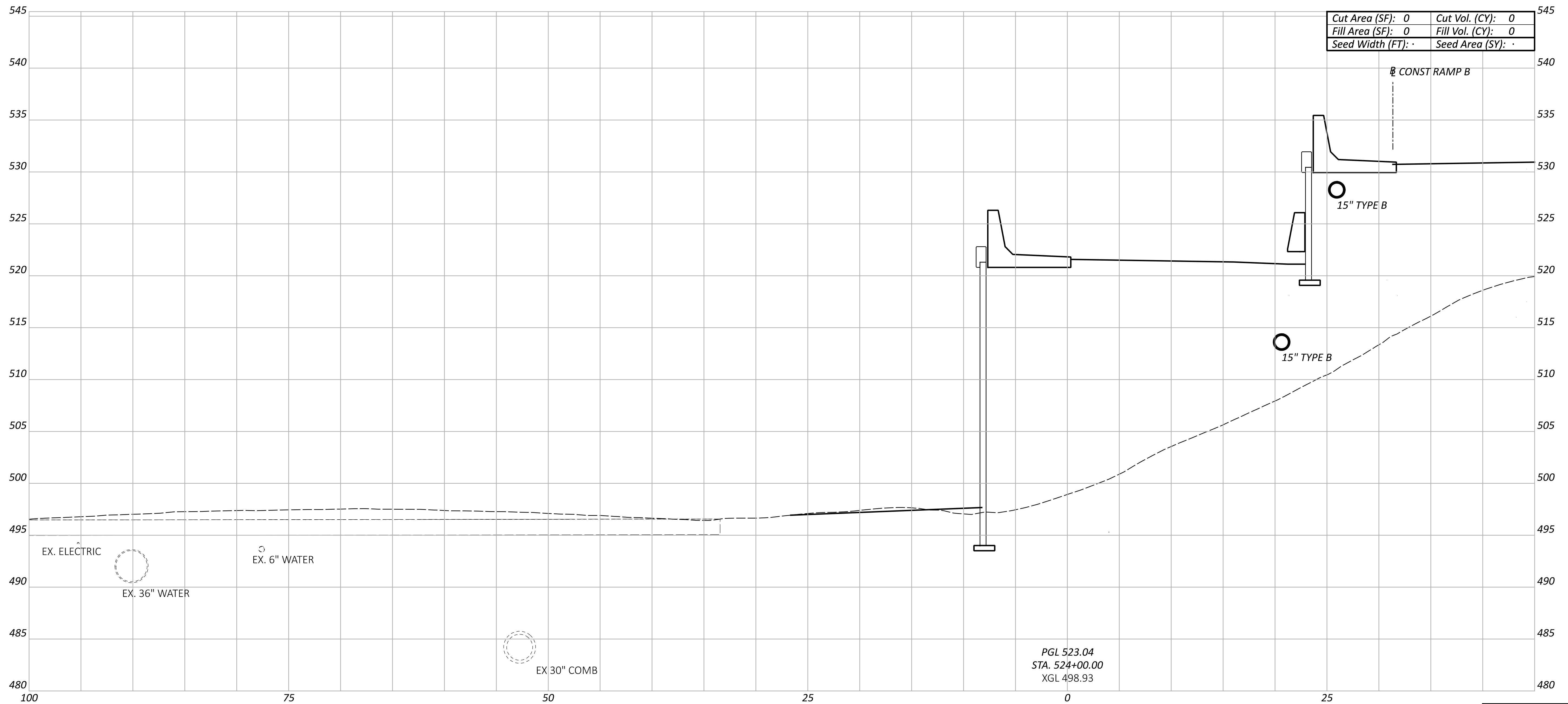
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Seed Width (FT):	-	Seed Area (SY):	-

PGL 523.29
 STA. 523+50.00
 XGL 498.03

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.265	463

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CROSS SECTIONS - RAMP G
 STA 523+50.00



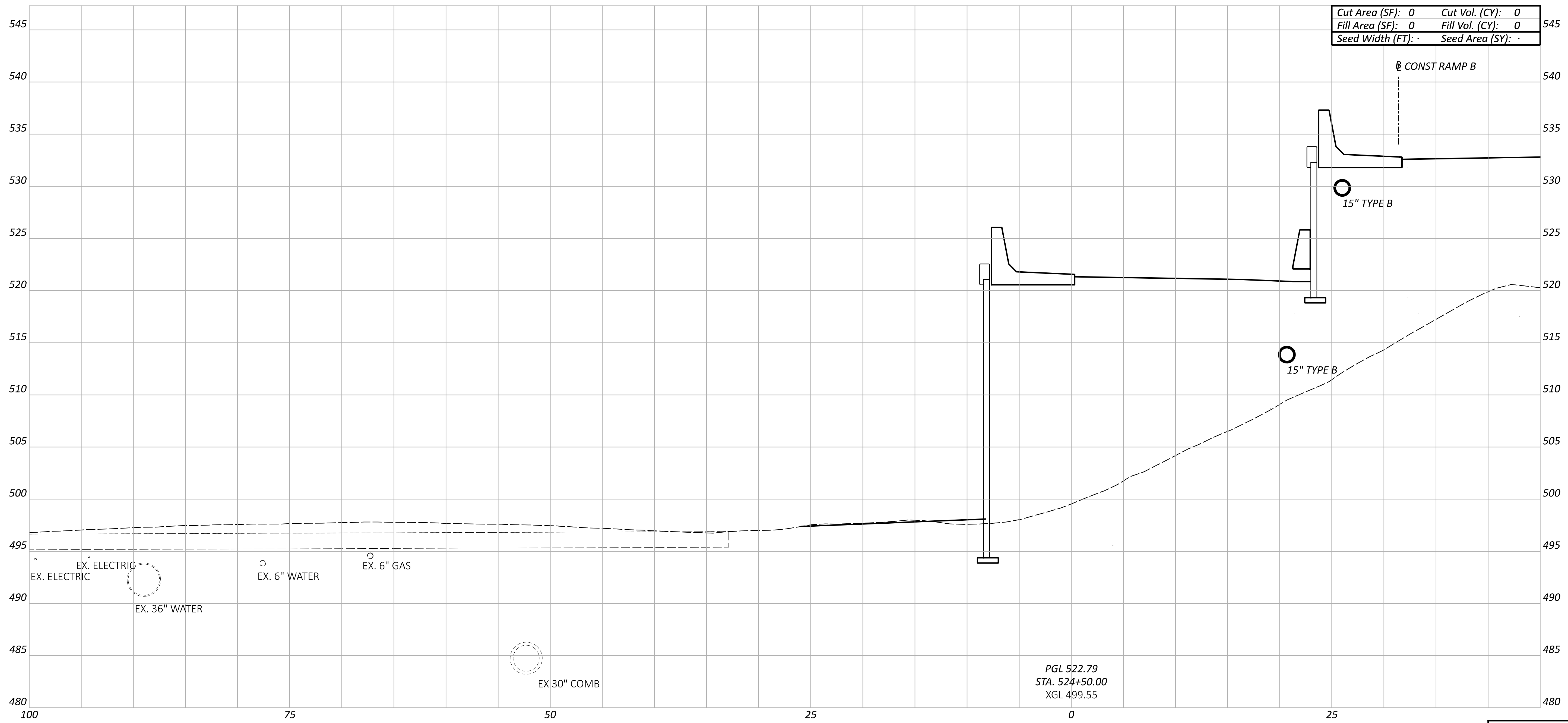
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

PGL 523.04
STA. 524+00.00
XGL 498.93

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.266 463

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CROSS SECTIONS - RAMP G
STA 524+00.00



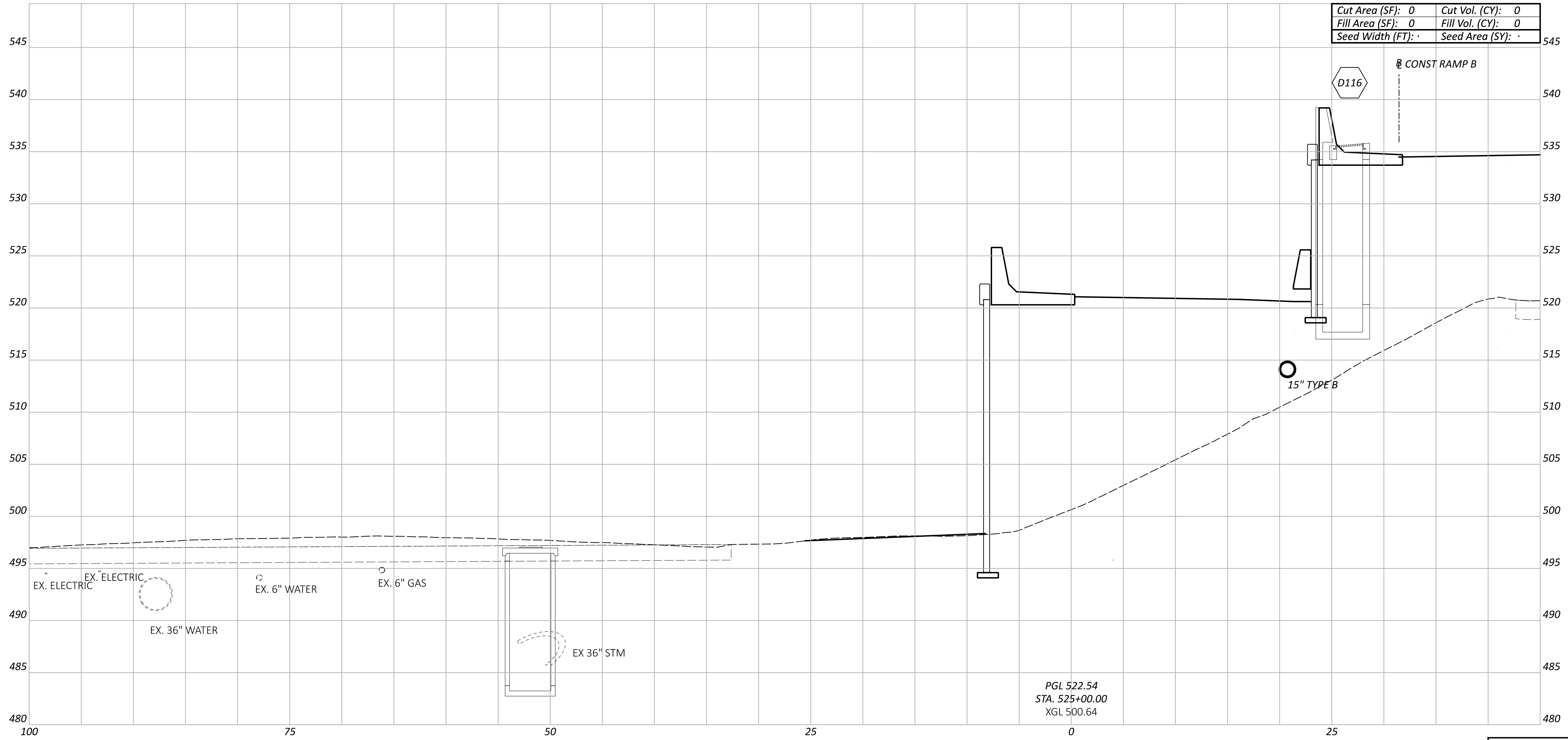
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

PGL 522.79
 STA. 524+50.00
 XGL 499.55

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.267 463

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CROSS SECTIONS - RAMP G
 STA 524+50.00



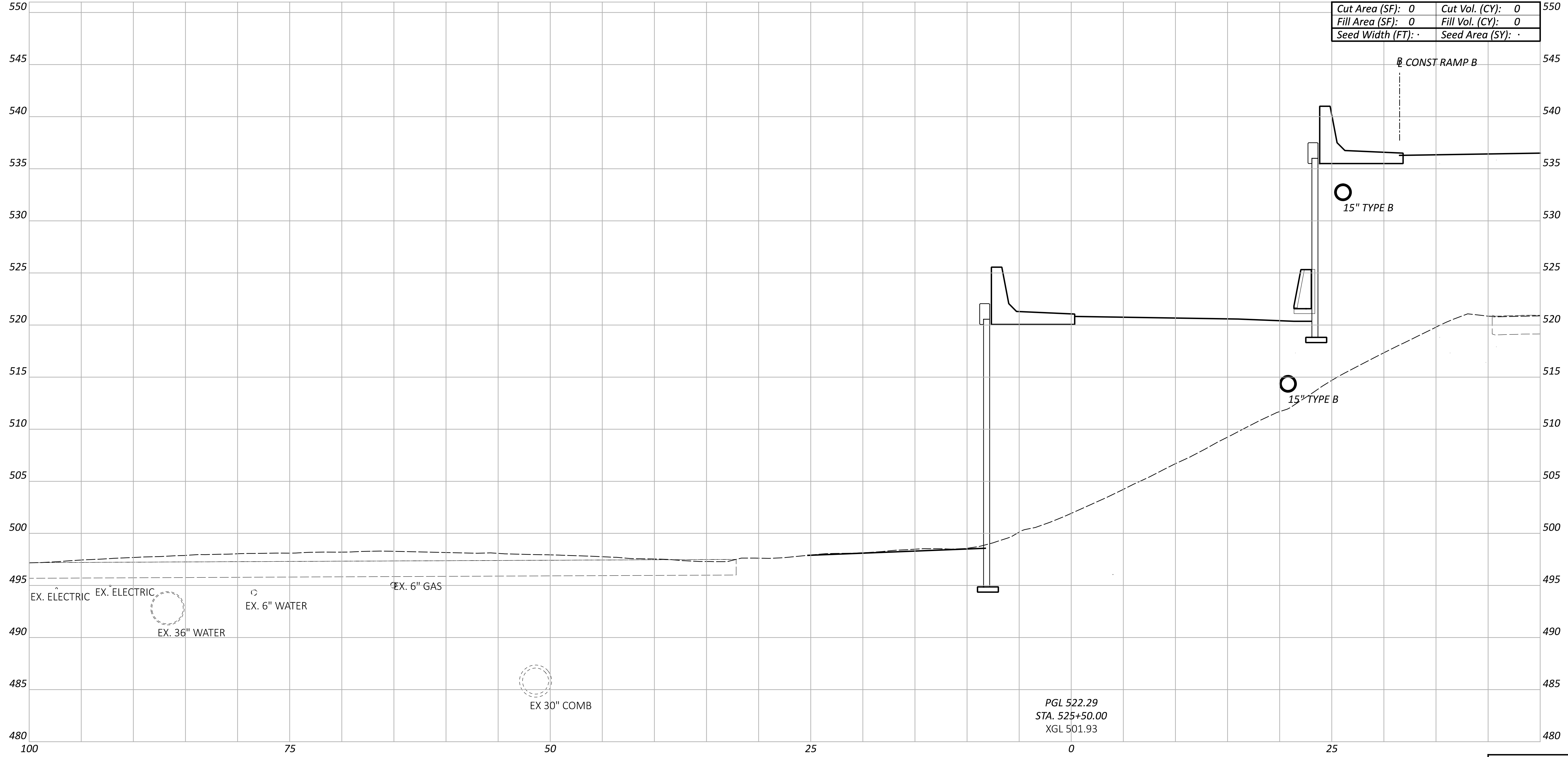
Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 522.54
 STA. 525+00.00
 XGL 500.64

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.268	463

CROSS SECTIONS - RAMP G
 STA 525+00.00

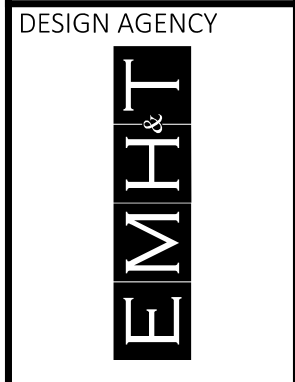
DESIGN AGENCY
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 114161



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

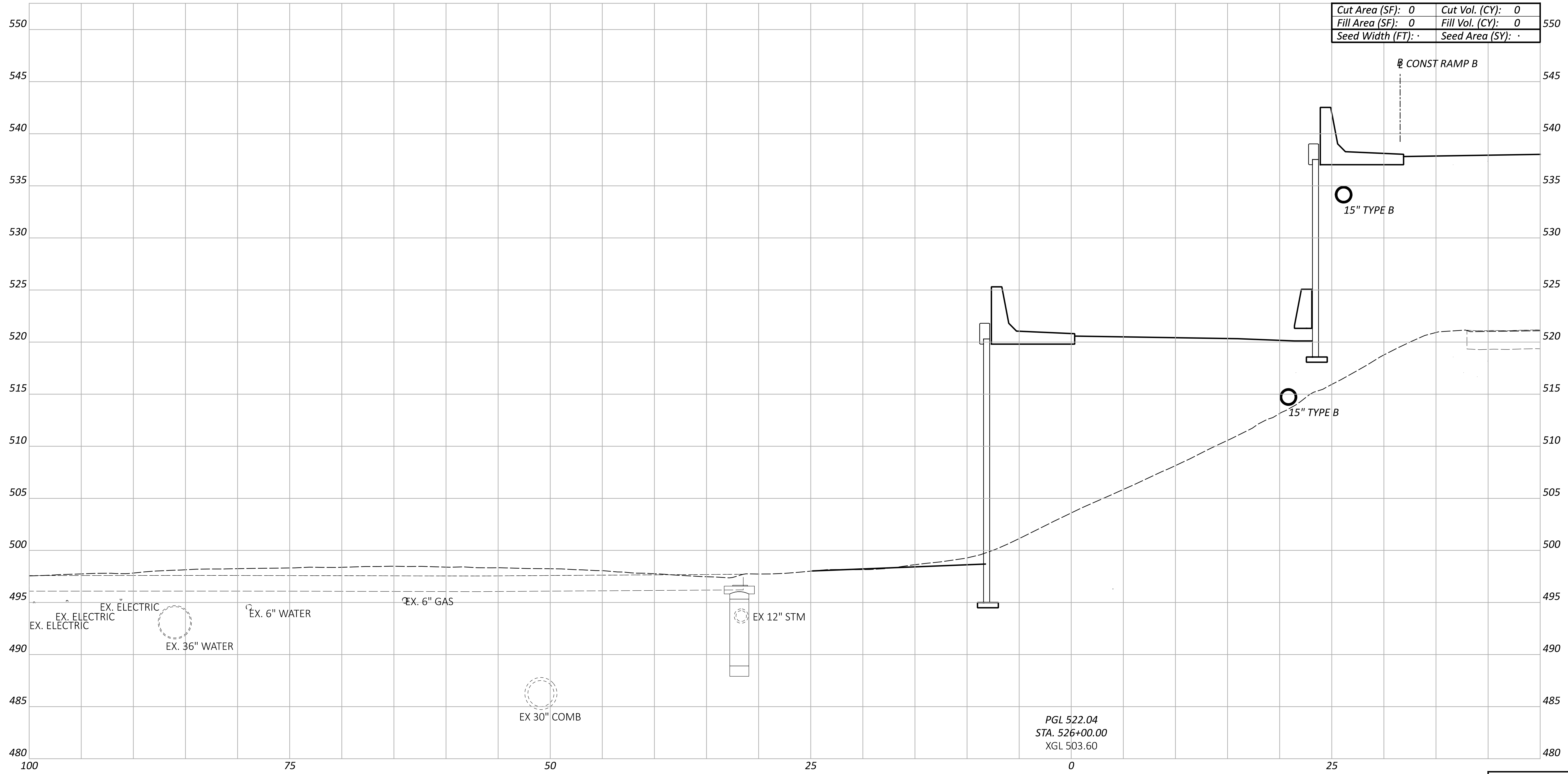
PGL 522.29
STA. 525+50.00
XGL 501.93

CROSS SECTIONS - RAMP G
STA 525+50.00



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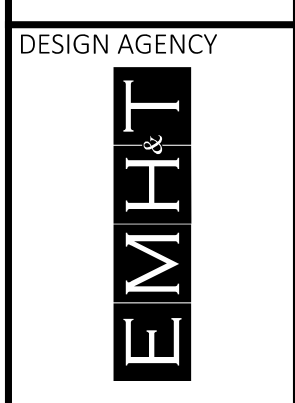
Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.269 463



Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	-	Seed Area (SY):	-

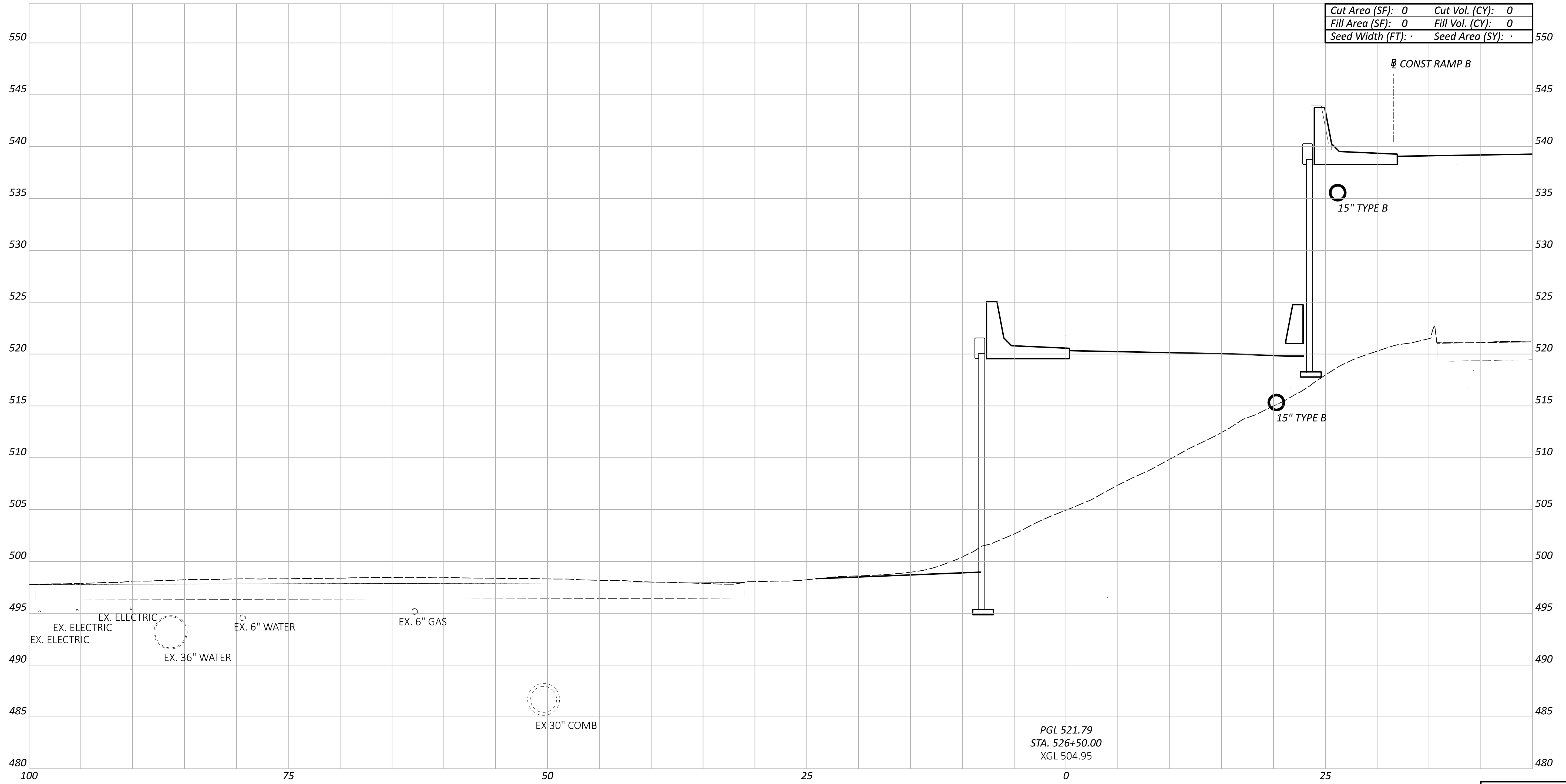
PGL 522.04
 STA. 526+00.00
 XGL 503.60

CROSS SECTIONS - RAMP G
 STA 526+00.00



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Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.270 463



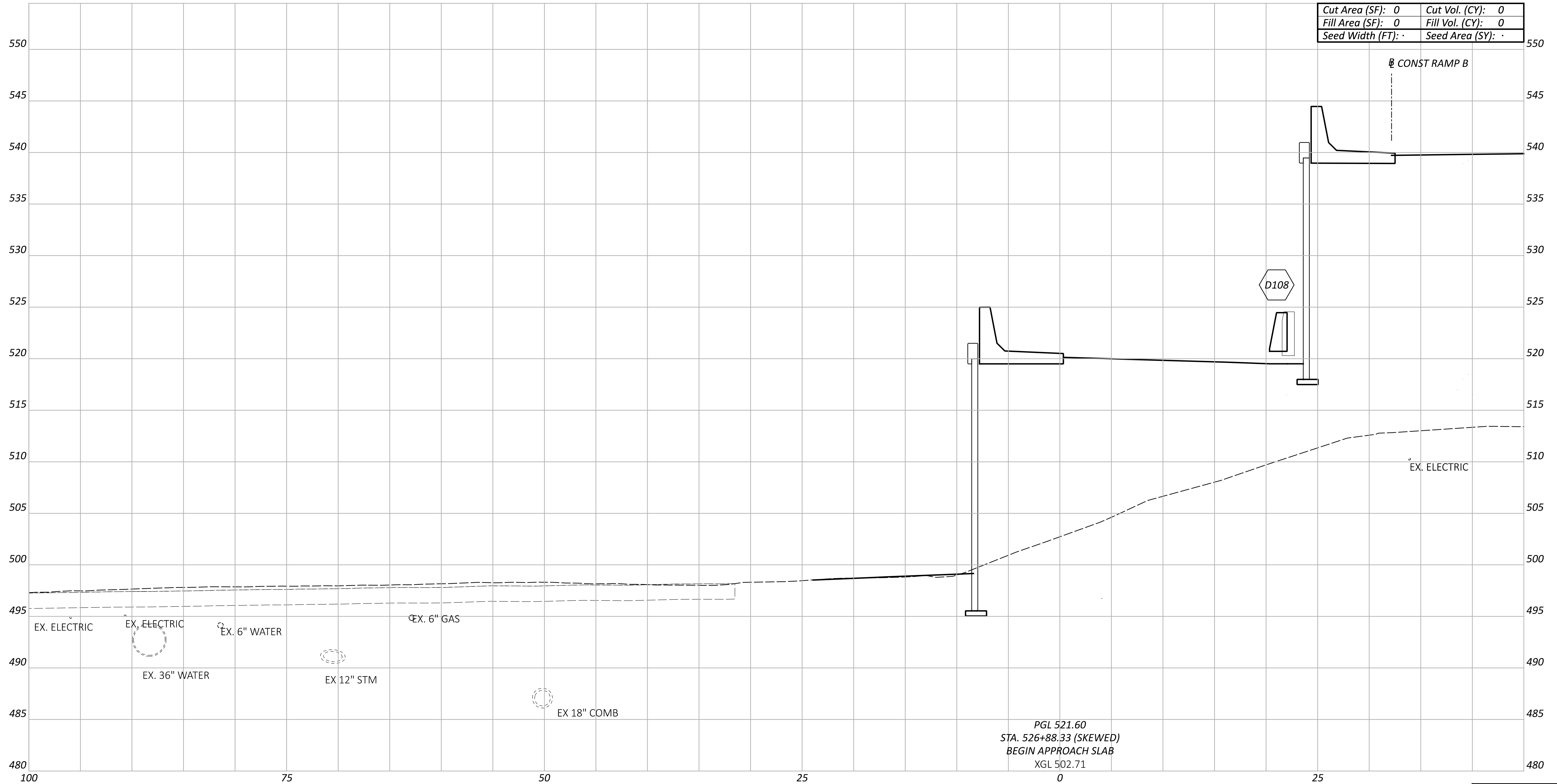
Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 521.79
 STA. 526+50.00
 XGL 504.95

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.271	463

CROSS SECTIONS - RAMP G
 STA 526+50.00

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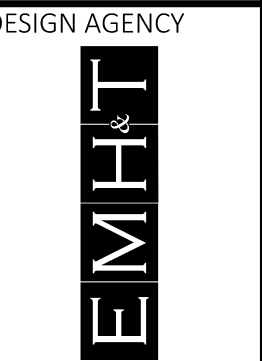


Cut Area (SF):	0	Cut Vol. (CY):	0
Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 521.60
 STA. 526+88.33 (SKEWED)
 BEGIN APPROACH SLAB
 XGL 502.71

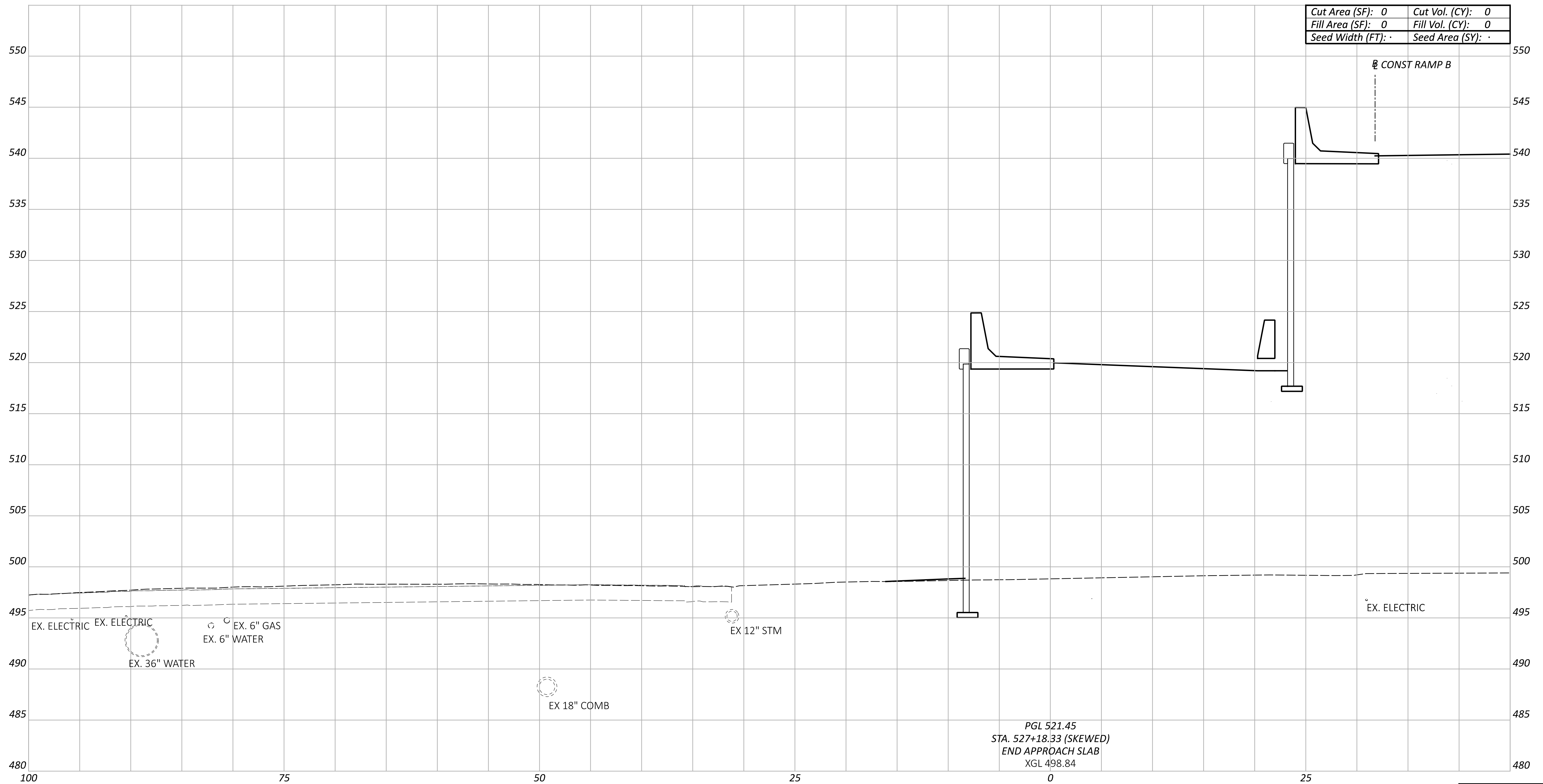
Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.272	463

CROSS SECTIONS - RAMP G
 STA 526+88.33



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 REVIEWER: MJR 06/21/24

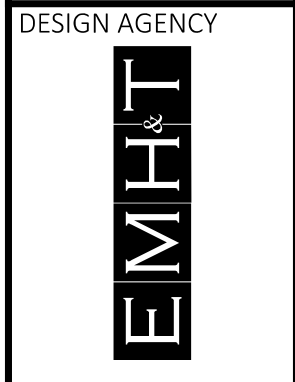
PROJECT ID: 114161



Cut Area (SF): 0	Cut Vol. (CY): 0
Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT): .	Seed Area (SY): .

PGL 521.45
 STA. 527+18.33 (SKEWED)
 END APPROACH SLAB
 XGL 498.84

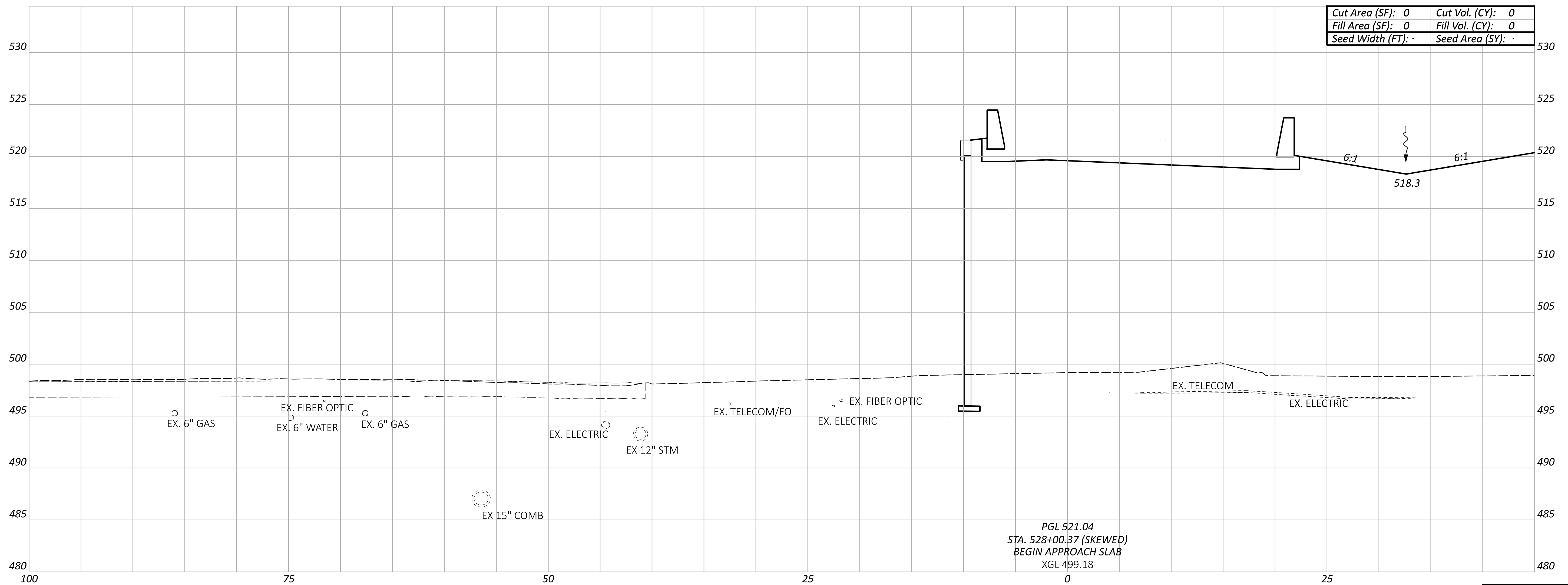
CROSS SECTIONS - RAMP G
 STA 527+18.33



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Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.273	463

PROJECT ID
 114161




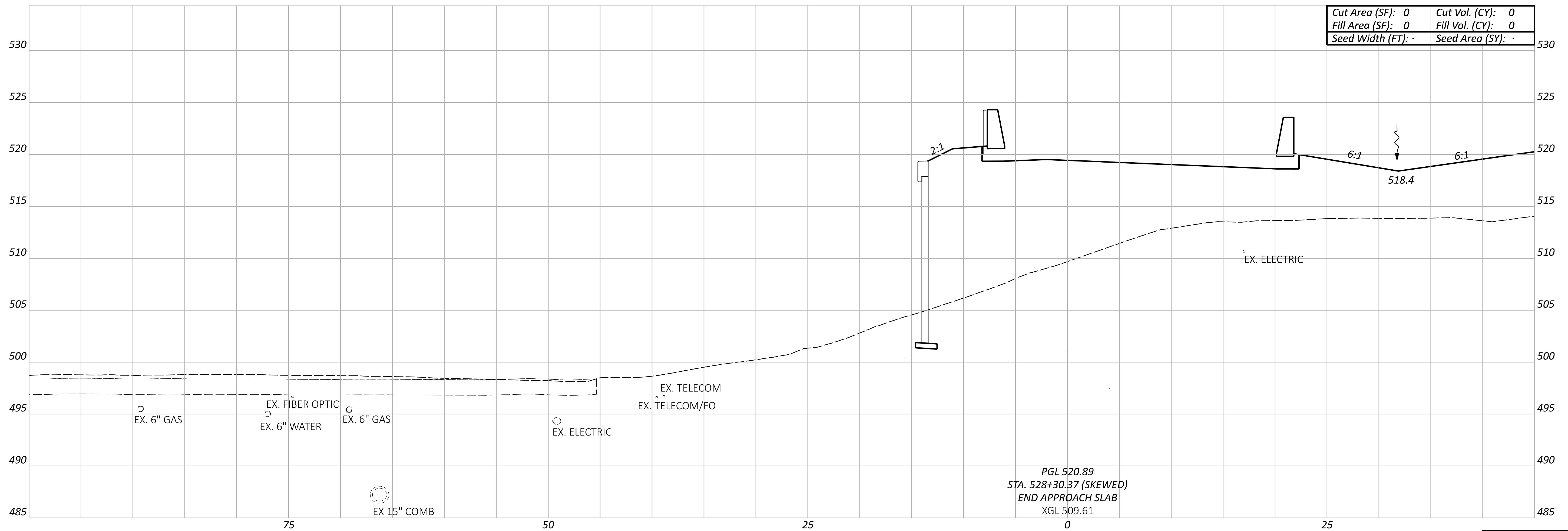
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Fill Area (SF):	0	Fill Vol. (CY):	0
Seed Width (FT):	.	Seed Area (SY):	.

PGL 521.04
 STA. 528+00.37 (SKEWED)
 BEGIN APPROACH SLAB
 XGL 499.18

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.274 463

CROSS SECTIONS - RAMP G
 STA 528+00.37

DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161




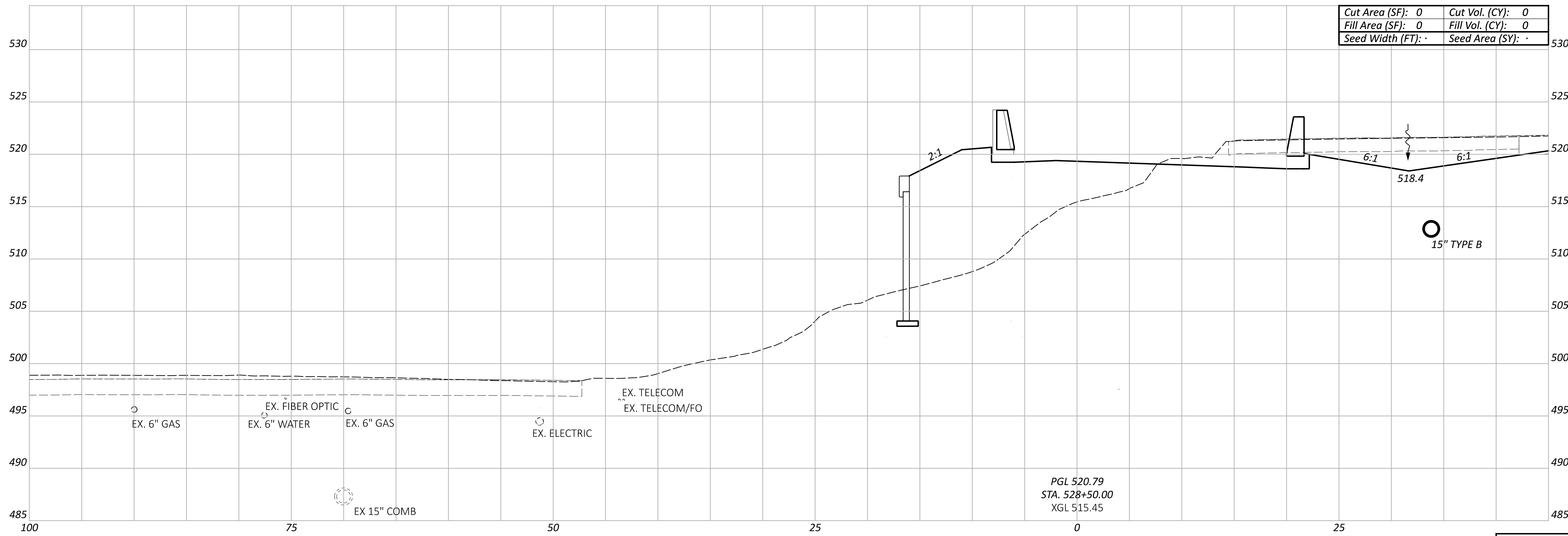
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PGL 520.89
 STA. 528+30.37 (SKEWED)
 END APPROACH SLAB
 XGL 509.61

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.275 463

CROSS SECTIONS - RAMP G
 STA 528+30.37


DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161



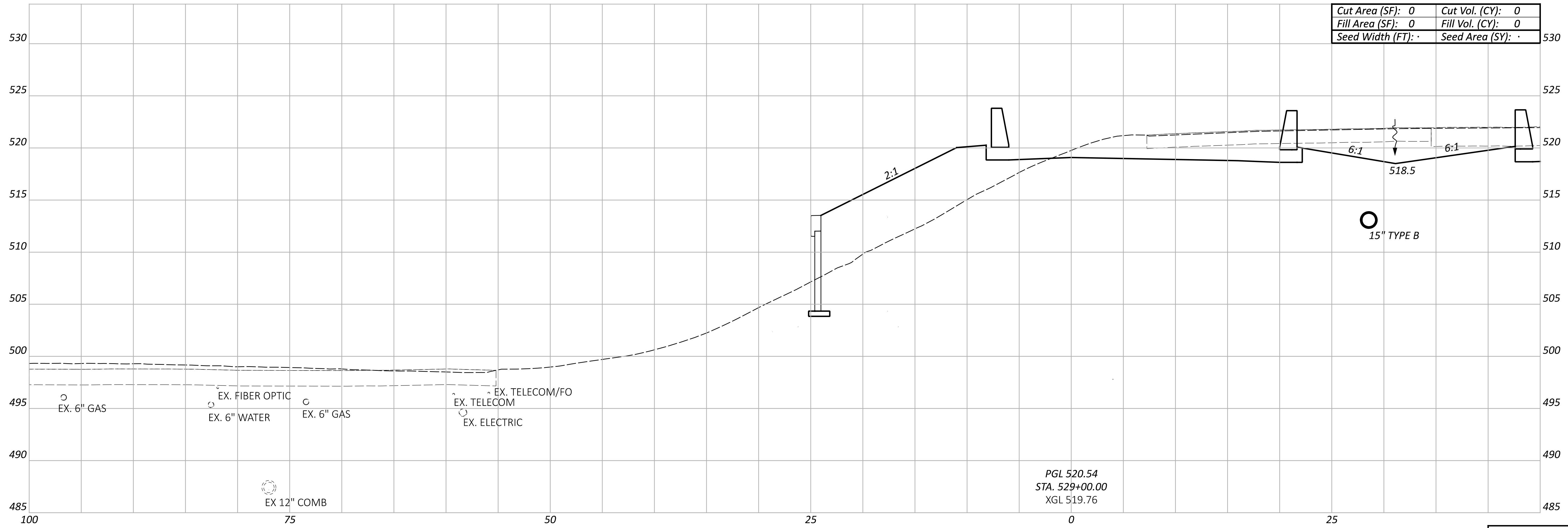
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PGL 520.79
STA. 528+50.00
XGL 515.45

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.276	463

DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

CROSS SECTIONS - RAMP G
 STA 528+50.00

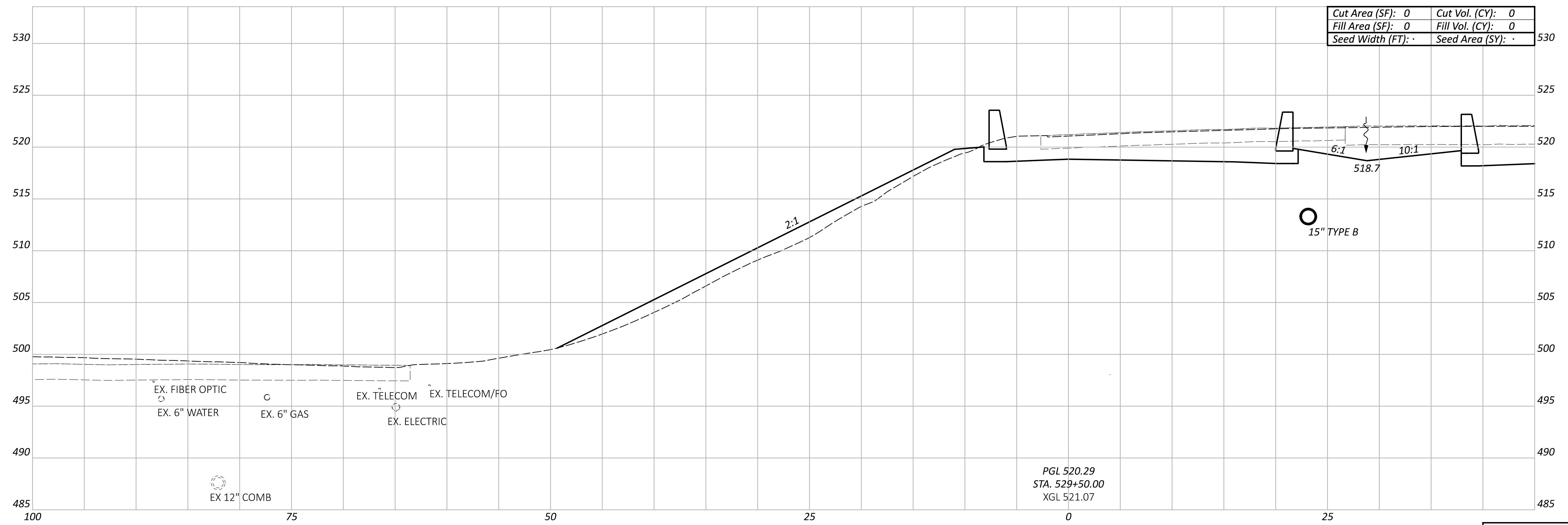


PGL 520.54
STA. 529+00.00
XGL 519.76

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.277	463

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID

CROSS SECTIONS - RAMP G
 STA 529+00.00



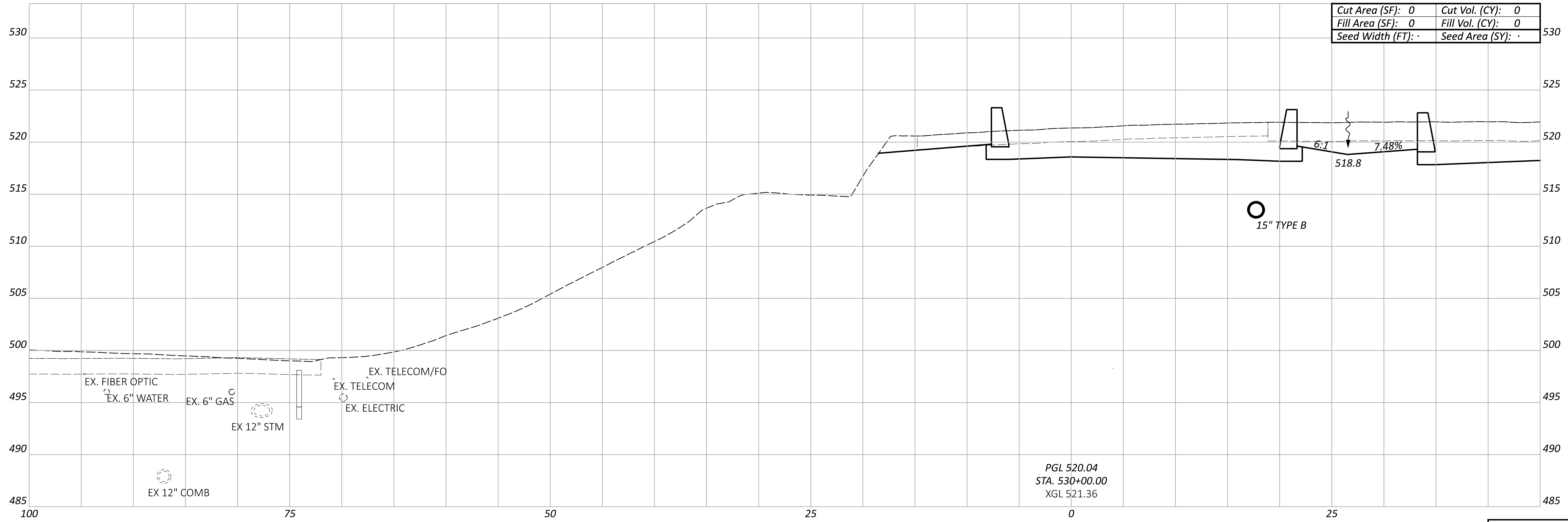
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PGL 520.29
 STA. 529+50.00
 XGL 521.07

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.278	463

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID

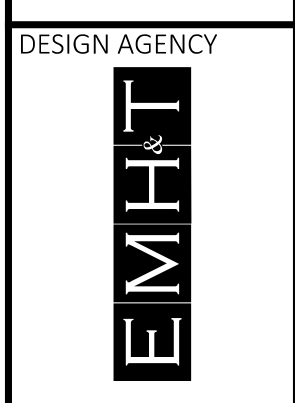
CROSS SECTIONS - RAMP G
 STA 529+50.00



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Seed Width (FT):	.	Seed Area (SY):	.

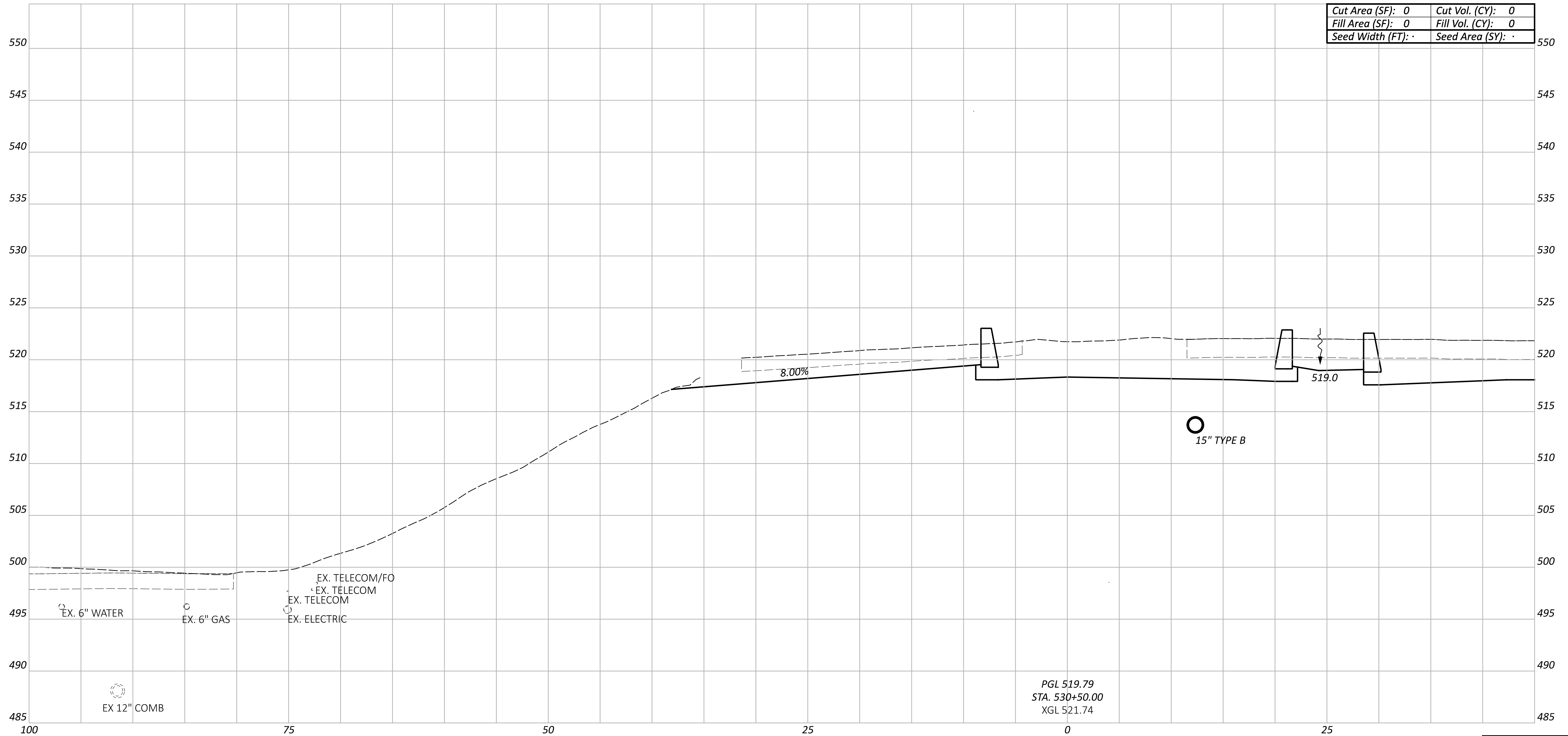
PGL 520.04
 STA. 530+00.00
 XGL 521.36

CROSS SECTIONS - RAMP G
 STA 530+00.00



DESIGN AGENCY
 SJB
 REVIEWER
 MJR 06/21/24

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.279 463



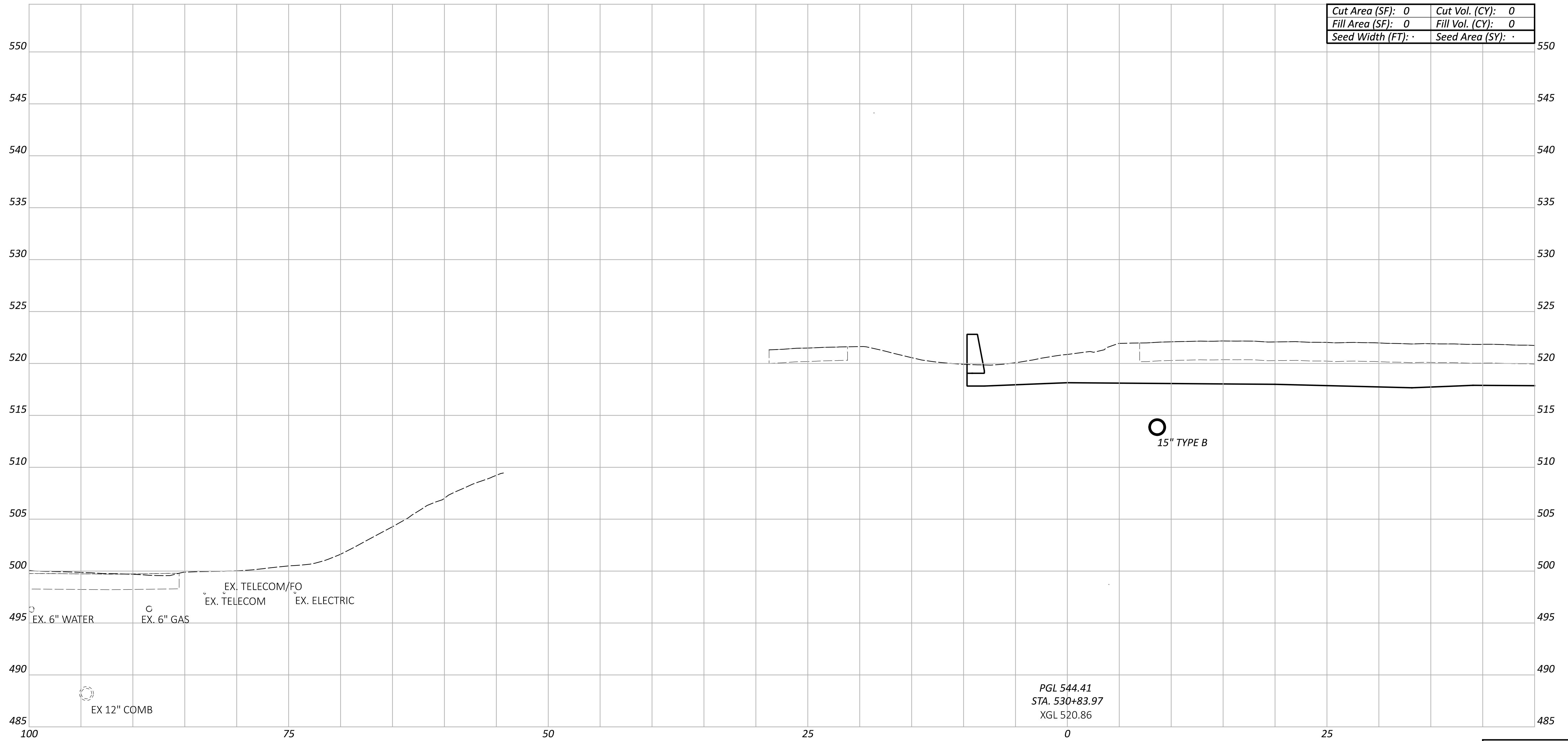
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Seed Width (FT): .	Seed Area (SY): .

PGL 519.79
 STA. 530+50.00
 XGL 521.74

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.280	463

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

CROSS SECTIONS - RAMP G
 STA 530+50.00




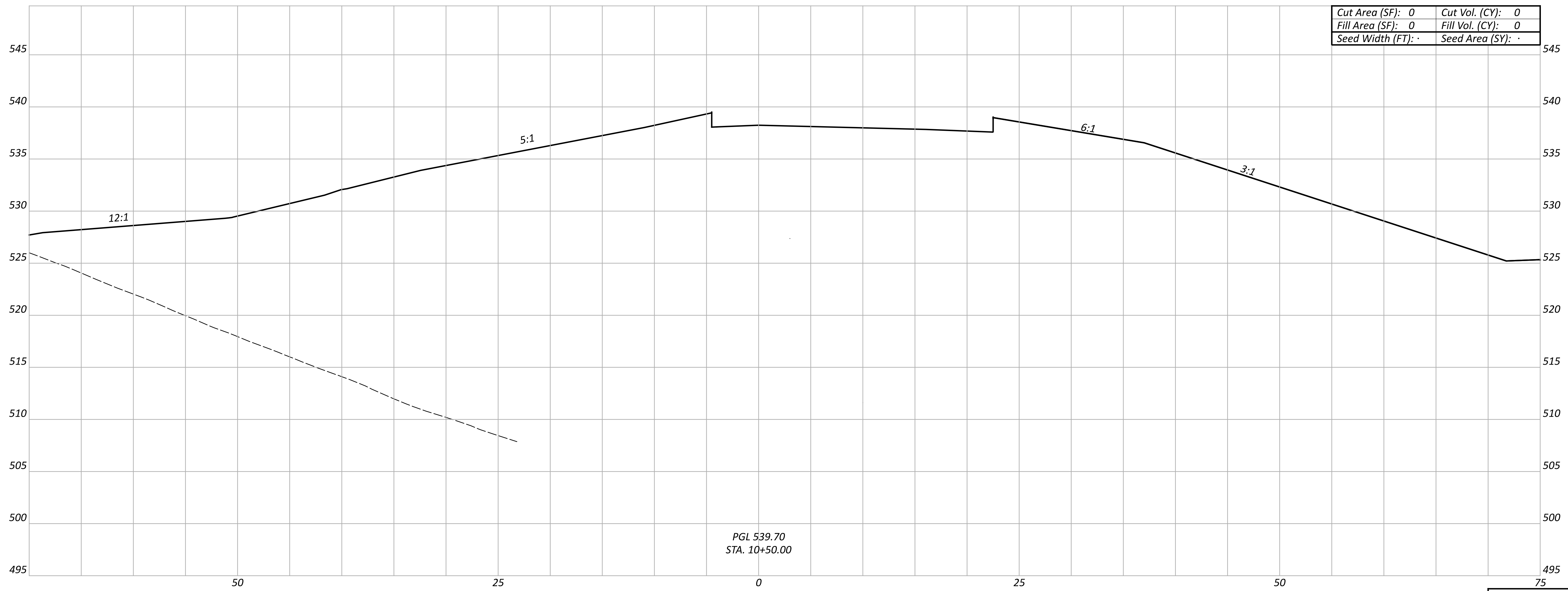
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PGL 544.41
 STA. 530+83.97
 XGL 520.86

Sheet Totals			114161
Seeding	Cut	Fill	SHEET TOTAL
.	.	.	P.281 463

CROSS SECTIONS - RAMP G
 STA 530+83.97

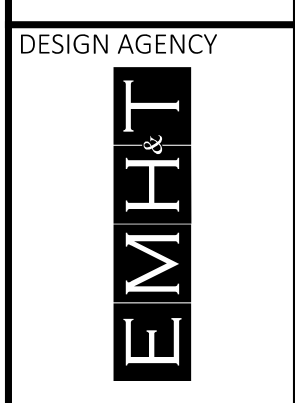
DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161



PGL 539.70
STA. 10+50.00

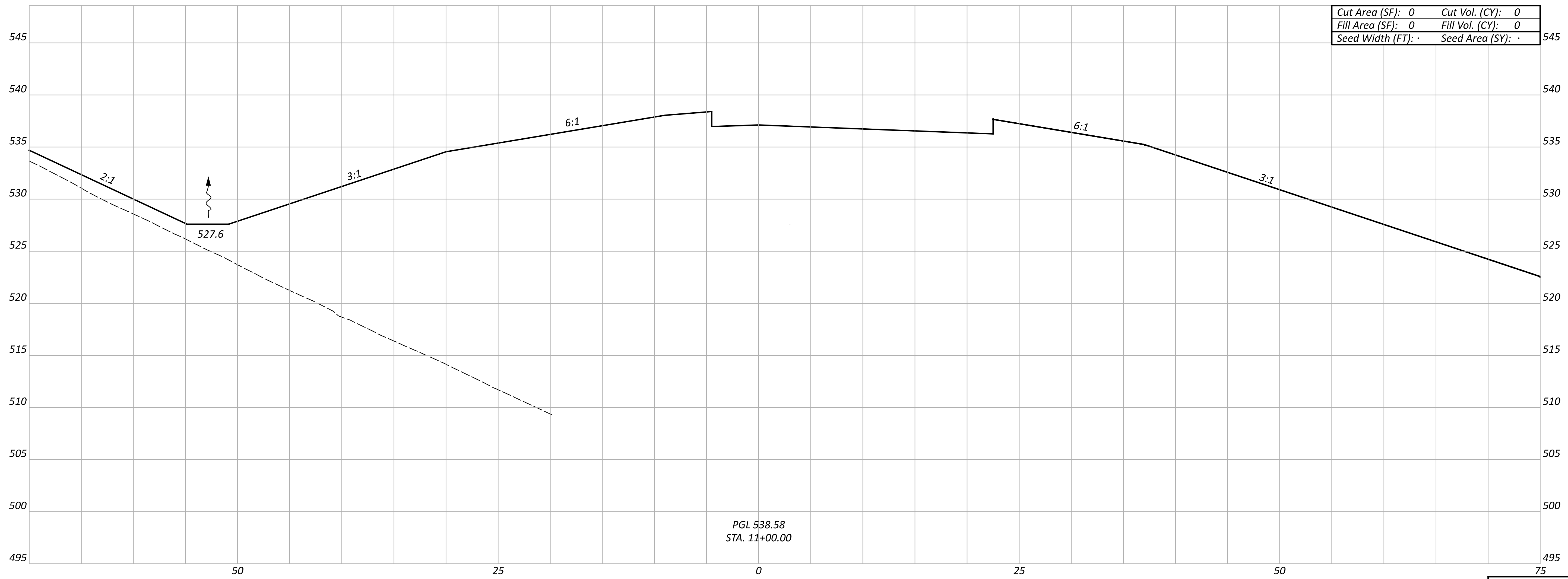
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Seed Width (FT):	.	Seed Area (SY):	.

CROSS SECTIONS - CONNECTOR
STA 10+50.00



DESIGNER
SJB
REVIEWER
MJR 06/21/24
PROJECT ID
114161

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.282 463



PGL 538.58
STA. 11+00.00

CROSS SECTIONS - CONNECTOR
STA 11+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

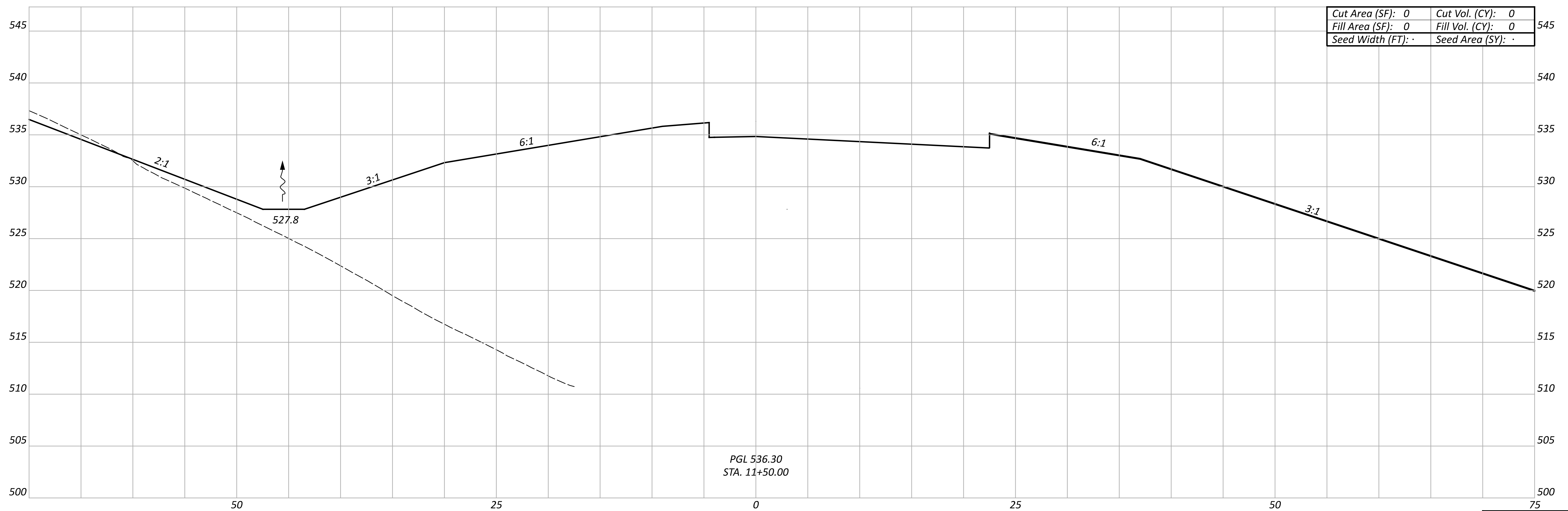
MJR 06/21/24

PROJECT ID

114161

Sheet Totals		
Seeding	Cut	Fill
.	.	.

SHEET	TOTAL
P.283	463



PGL 536.30
STA. 11+50.00

CROSS SECTIONS - CONNECTOR
STA 11+50.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

PROJECT ID

114161

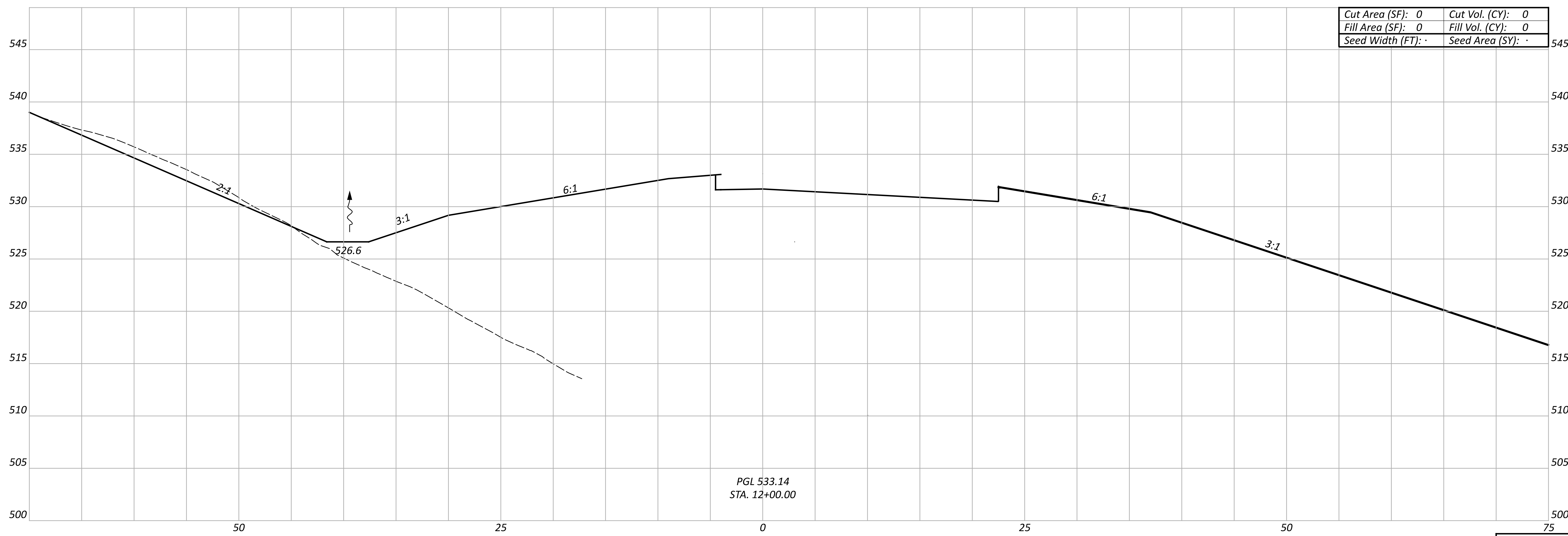
Sheet Totals

Seeding Cut Fill

. . .

SHEET TOTAL


P.284 463

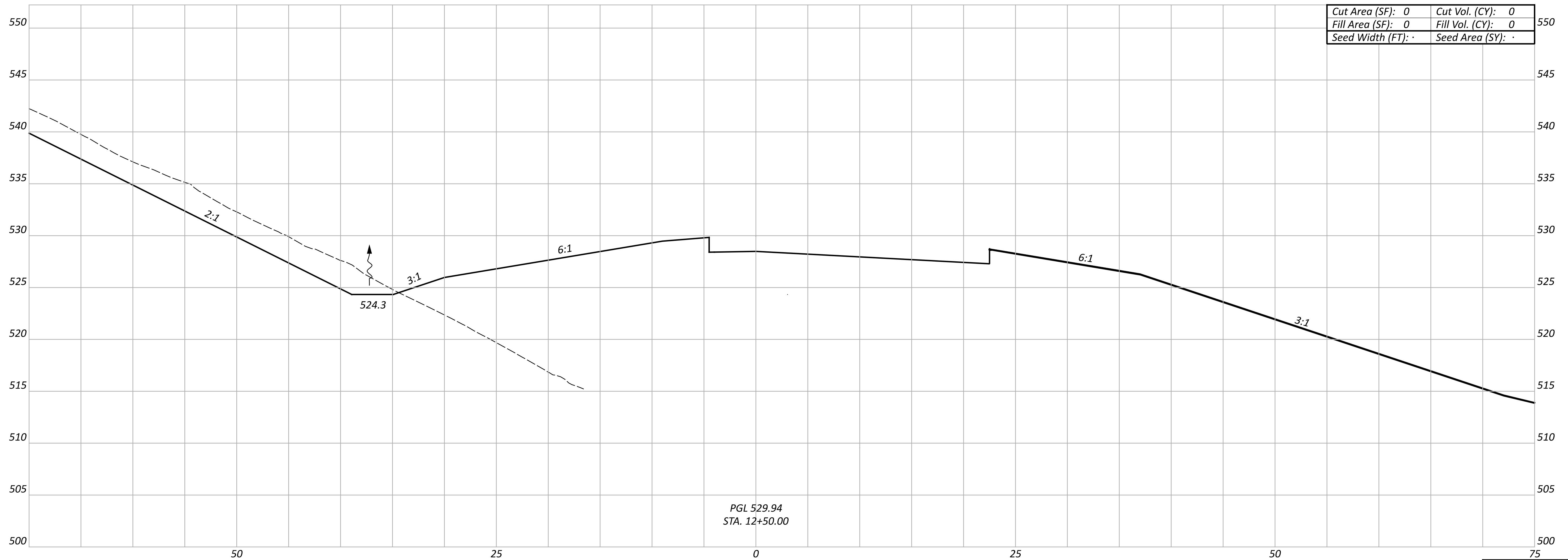


PGL 533.14
STA. 12+00.00

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.285	463

CROSS SECTIONS - CONNECTOR
STA 12+00.00

DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161



PGL 529.94
STA. 12+50.00

CROSS SECTIONS - CONNECTOR
STA 12+50.00

DESIGN AGENCY



DESIGNER

SJB

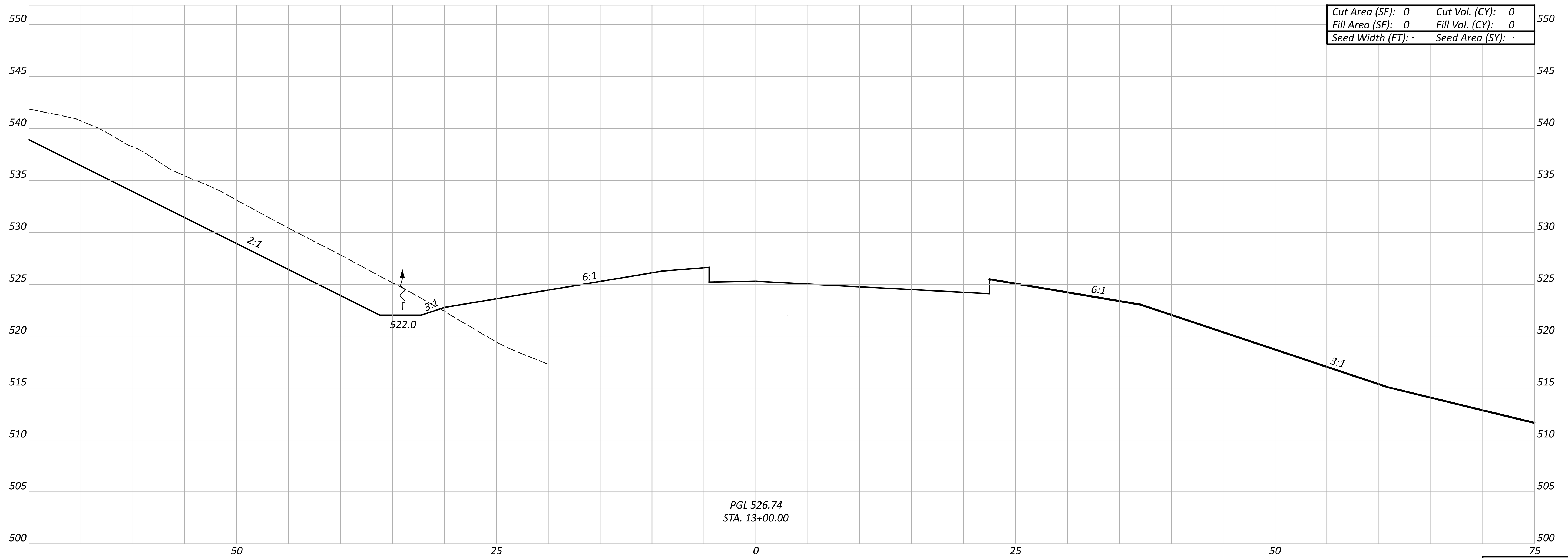
REVIEWER

MJR 06/21/24

PROJECT ID

114161

Sheet Totals			TOTAL	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.286	463



PGL 526.74
 STA. 13+00.00

CROSS SECTIONS - CONNECTOR
 STA 13+00.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

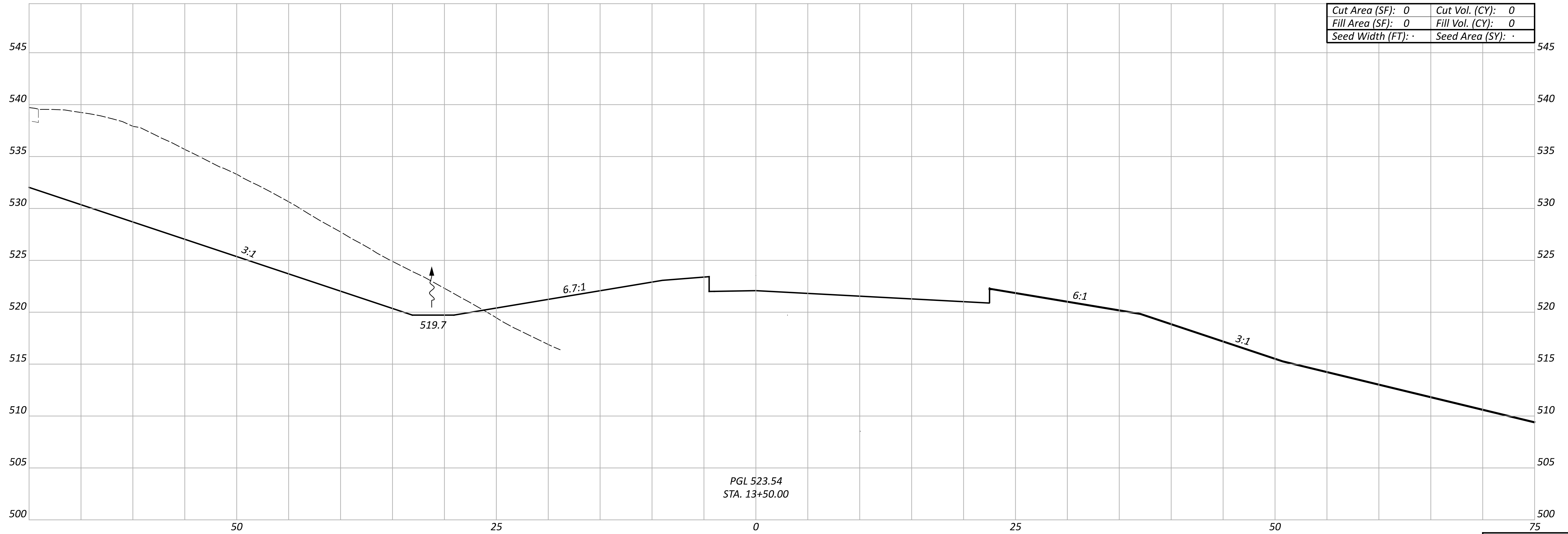
PROJECT ID

114161

Sheet Totals

Seeding	Cut	Fill
.	.	.

SHEET	TOTAL
P.287	463



PGL 523.54
STA. 13+50.00

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.288	463

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

PROJECT ID

114161

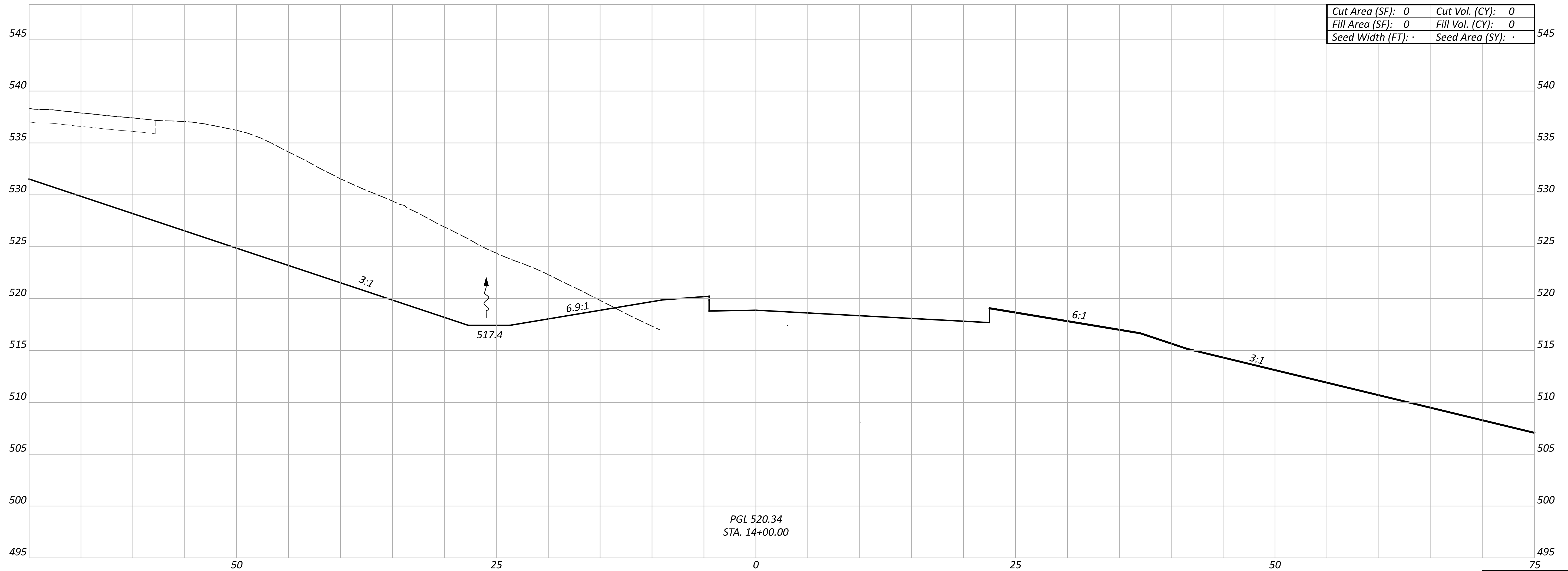
SHEET

P.288

TOTAL

463

CROSS SECTIONS - CONNECTOR
STA 13+50.00



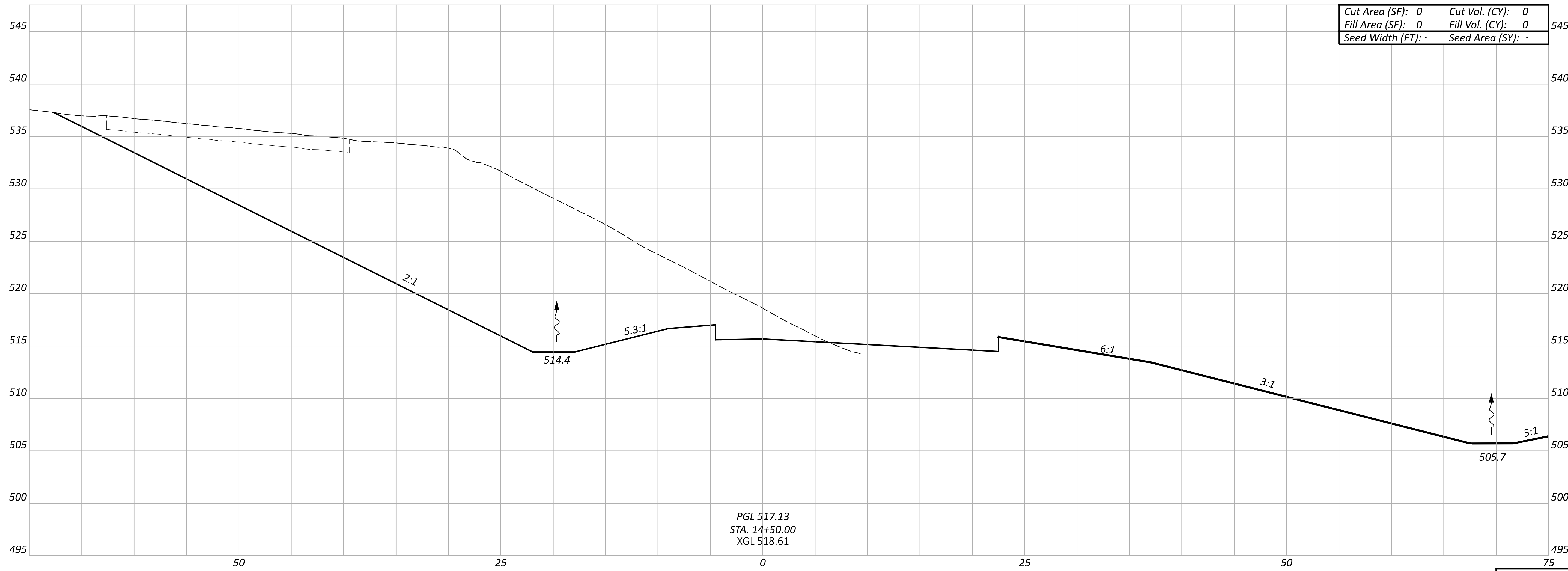
PGL 520.34
STA. 14+00.00

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.289	463

CROSS SECTIONS - CONNECTOR
STA 14+00.00

DESIGN AGENCY


 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

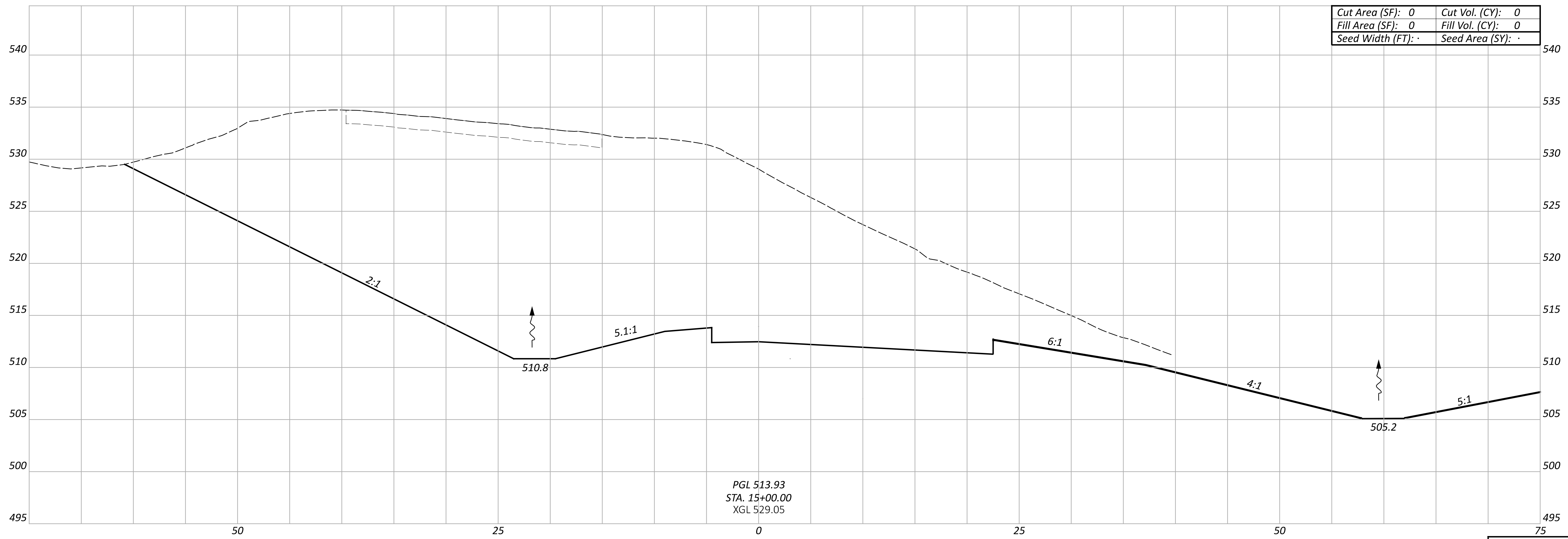


PGL 517.13
STA. 14+50.00
XGL 518.61

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
·	·	·	P.290	463

CROSS SECTIONS - CONNECTOR
STA 14+50.00


DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

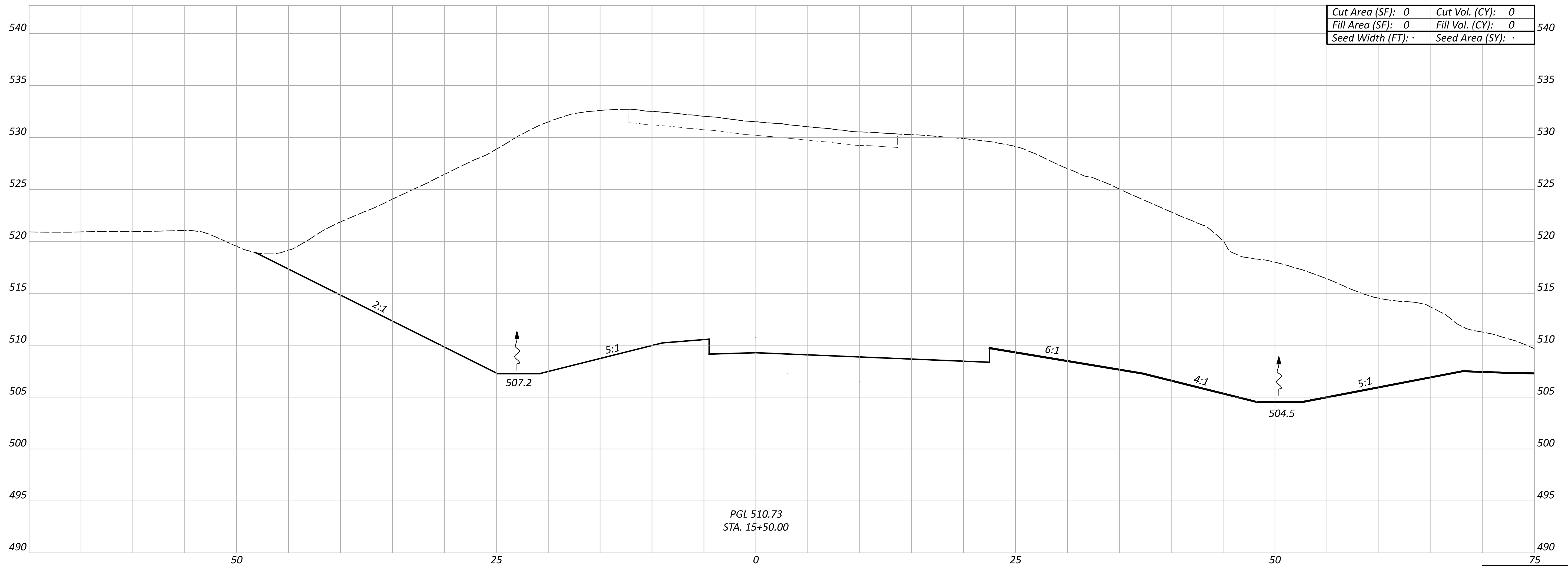


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STA. 15+00.00
XGL 529.05

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	463

CROSS SECTIONS - CONNECTOR
STA 15+00.00

DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161
 SHEET TOTAL
 P.291 463

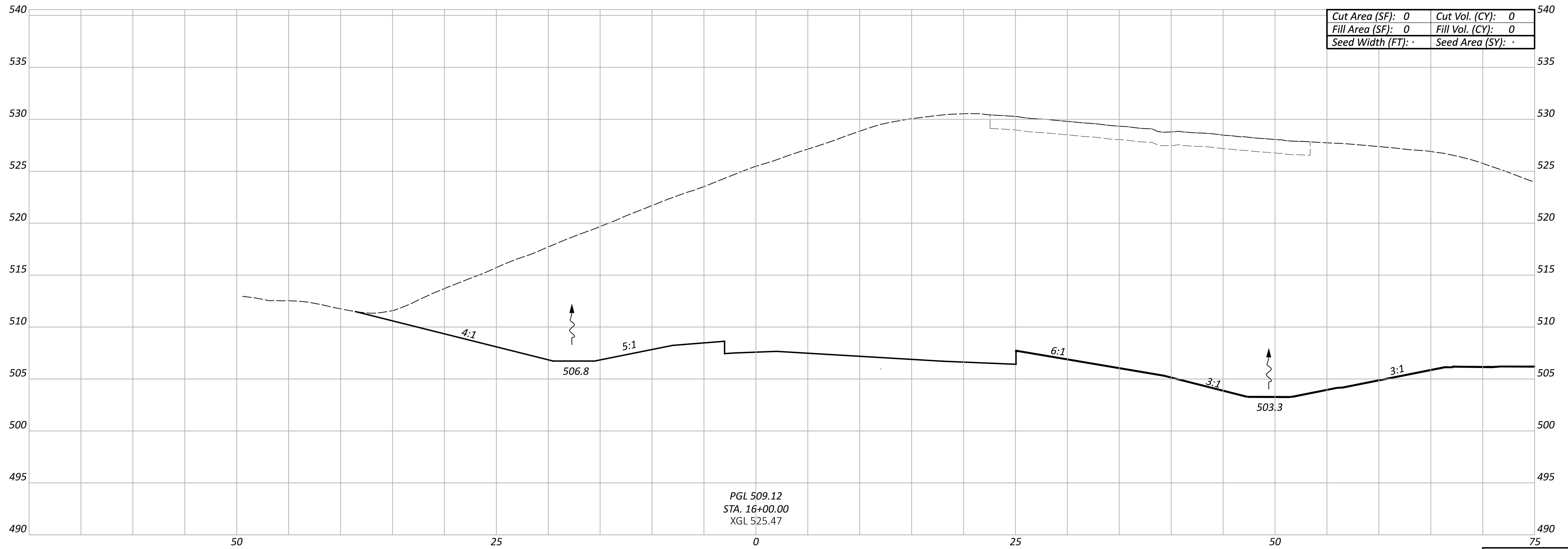


PGL 510.73
 STA. 15+50.00

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.292	463

DESIGN AGENCY
EMHT
 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161

CROSS SECTIONS - CONNECTOR
 STA 15+50.00



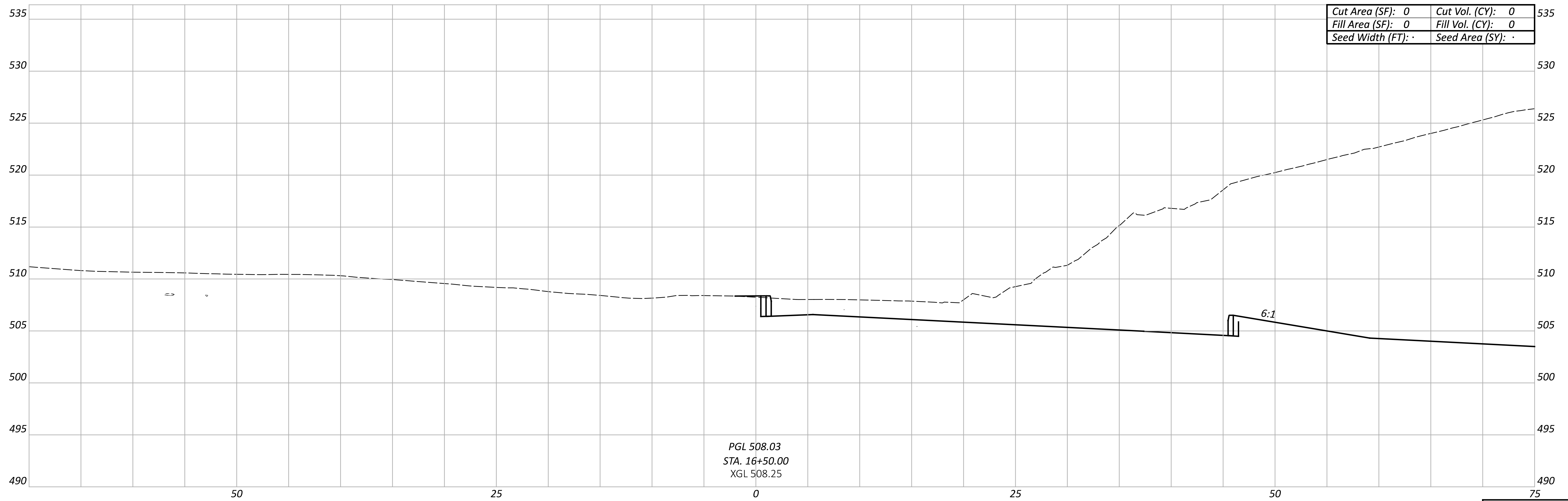
PGL 509.12
 STA. 16+00.00
 XGL 525.47

Sheet Totals			114161	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	P.293	463

CROSS SECTIONS - CONNECTOR
 STA 16+00.00

DESIGN AGENCY

 DESIGNER
 SJB
 REVIEWER
 MJR 06/21/24
 PROJECT ID
 114161



PGL 508.03
 STA. 16+50.00
 XGL 508.25

Cut Area (SF): 0	Cut Vol. (CY): 0
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Seed Width (FT): -	Seed Area (SY): -

Sheet Totals			114161
Seeding	Cut	Fill	TOTAL
.	.	.	P.294 463

CROSS SECTIONS - CONNECTOR
 STA 16+50.00

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

MJR 06/21/24

PROJECT ID

114161

SUPERELEVATION TABLE - IR-75 SOUTHBOUND - CURVE NO 1

PI STA 114+25.91

Dc = 02° 45' 00"

REMARKS	LEFT SIDE																			INSIDE EDGE (PROFILE GRADE)		STATION	
	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION		OFFSET
NC	516.14	-0.24	-0.0200		12.00	516.38	-0.38	-0.0160		24.00	516.76	0.38	0.0160		24.00	516.38	0.24	0.0200		12.00	516.14		102+74.14
	516.12	-0.24	-0.0197		12.00	516.36	-0.38	-0.0160		24.00	516.74	0.38	0.0160		24.00	516.36	0.24	0.0200		12.00	516.12		102+75.00
	515.95	-0.19	-0.0160		12.00	516.14	-0.38	-0.0160		24.00	516.52	0.38	0.0160		24.00	516.14	0.24	0.0200		12.00	515.90		102+84.36
	515.64	-0.17	-0.0140		12.00	515.81	-0.34	-0.0140		24.00	516.14	0.38	0.0160		24.00	515.76	0.24	0.0200		12.00	515.52		103+00.00
	515.16	-0.13	-0.0107		12.00	515.29	-0.26	-0.0107		24.00	515.54	0.38	0.0160		24.00	515.16	0.24	0.0200		12.00	514.92		103+25.00
	514.68	-0.09	-0.0074		12.00	514.77	-0.18	-0.0074		24.00	514.94	0.38	0.0160		24.00	514.56	0.24	0.0200		12.00	514.32		103+50.00
	514.19	-0.05	-0.0042		12.00	514.24	-0.10	-0.0042		24.00	514.34	0.38	0.0160		24.00	513.96	0.24	0.0200		12.00	513.72		103+75.00
	513.71	-0.01	-0.0009		12.00	513.72	-0.02	-0.0009		24.00	513.74	0.38	0.0160		24.00	513.36	0.24	0.0200		12.00	513.12		104+00.00
FLAT	513.57	0.00	0.0000		12.00	513.57	0.00	0.0000		24.00	513.57	0.38	0.0160		24.00	513.19	0.24	0.0200		12.00	512.95		104+07.05
	513.23	0.03	0.0023		12.00	513.20	0.06	0.0023		24.00	513.14	0.38	0.0160		24.00	512.76	0.24	0.0200		12.00	512.52		104+25.00
	512.75	0.07	0.0056		12.00	512.68	0.13	0.0056		24.00	512.54	0.38	0.0160		24.00	512.16	0.24	0.0200		12.00	511.92		104+50.00
	512.26	0.11	0.0089		12.00	512.16	0.21	0.0089		24.00	511.94	0.38	0.0160		24.00	511.56	0.24	0.0200		12.00	511.32		104+75.00
	511.78	0.15	0.0121		12.00	511.63	0.29	0.0121		24.00	511.34	0.38	0.0160		24.00	510.96	0.24	0.0200		12.00	510.72		105+00.00
	511.32	0.18	0.0154		12.00	511.14	0.37	0.0154		24.00	510.77	0.38	0.0160		24.00	510.39	0.24	0.0200		12.00	510.15		105+25.00
RC	510.70	0.19	0.0160		12.00	510.51	0.38	0.0160		24.00	510.12	0.38	0.0160		24.00	509.74	0.24	0.0200		12.00	509.50		105+29.74
	510.92	0.21	0.0176		12.00	510.71	0.42	0.0176		24.00	510.29	0.42	0.0176		24.00	509.86	0.24	0.0200		12.00	509.62		105+50.00
	510.56	0.23	0.0195		12.00	510.33	0.47	0.0195		24.00	509.86	0.47	0.0195		24.00	509.39	0.24	0.0200		12.00	509.15		105+75.00
RC	510.49	0.24	0.0200		12.00	510.25	0.48	0.0200		24.00	509.77	0.48	0.0200		24.00	509.29	0.24	0.0200		12.00	509.05		105+80.86
	510.26	0.25	0.0212	213:1	12.00	510.01	0.51	0.0212		24.00	509.50	0.51	0.0212		24.00	508.99	0.25	0.0212		12.00	508.73		106+00.00
	510.01	0.27	0.0229		12.00	509.74	0.55	0.0229	213:1	24.00	509.19	0.55	0.0229		24.00	508.64	0.27	0.0229		12.00	508.37		106+25.00
	509.81	0.29	0.0245		12.00	509.52	0.59	0.0245		24.00	508.93	0.59	0.0245		24.00	508.34	0.29	0.0245		12.00	508.05		106+50.00
	509.67	0.31	0.0261		12.00	509.35	0.63	0.0261		24.00	508.73	0.63	0.0261		24.00	508.10	0.31	0.0261		12.00	507.79		106+75.00
	509.57	0.33	0.0278		12.00	509.24	0.67	0.0278		24.00	508.57	0.67	0.0278		24.00	507.91	0.33	0.0278		12.00	507.57		107+00.00
	509.53	0.35	0.0294		12.00	509.18	0.71	0.0294		24.00	508.47	0.71	0.0294		24.00	507.76	0.35	0.0294		12.00	507.41		107+25.00
	509.54	0.37	0.0310		12.00	509.16	0.74	0.0310		24.00	508.42	0.74	0.0310		24.00	507.68	0.37	0.0310		12.00	507.30		107+50.00
PC	509.56	0.38	0.0320		12.00	509.18	0.77	0.0320		24.00	508.41	0.77	0.0320	213:1	24.00	507.64	0.38	0.0320		12.00	507.26		107+64.89
	509.60	0.39	0.0327		12.00	509.21	0.78	0.0327		24.00	508.42	0.78	0.0327		24.00	507.64	0.39	0.0327		12.00	507.25		107+75.00
	509.71	0.41	0.0343		12.00	509.30	0.82	0.0343		24.00	508.47	0.82	0.0343		24.00	507.65	0.41	0.0343	213:1	12.00	507.24		108+00.00
	509.87	0.43	0.0359		12.00	509.44	0.86	0.0359		24.00	508.58	0.86	0.0359		24.00	507.72	0.43	0.0359		12.00	507.29		108+25.00
	510.09	0.45	0.0375		12.00	509.64	0.90	0.0375		24.00	508.73	0.90	0.0375		24.00	507.83	0.45	0.0375		12.00	507.38		108+50.00
	510.35	0.47	0.0392		12.00	509.88	0.94	0.0392		24.00	508.94	0.94	0.0392		24.00	508.00	0.47	0.0392		12.00	507.53		108+75.00
	510.67	0.49	0.0408		12.00	510.18	0.98	0.0408		24.00	509.20	0.98	0.0408		24.00	508.22	0.49	0.0408		12.00	507.73		109+00.00
	511.04	0.51	0.0424		12.00	510.53	1.02	0.0424		24.00	509.51	1.02	0.0424		24.00	508.50	0.51	0.0424		12.00	507.99		109+25.00
	511.46	0.53	0.0441		12.00	510.93	1.06	0.0441		24.00	509.88	1.06	0.0441		24.00	508.82	0.53	0.0441		12.00	508.29		109+50.00
	511.94	0.55	0.0457		12.00	511.39	1.10	0.0457		24.00	510.29	1.10	0.0457		24.00	509.19	0.55	0.0457		12.00	508.65		109+75.00
	512.46	0.57	0.0473		12.00	511.89	1.14	0.0473		24.00	510.76	1.14	0.0473		24.00	509.62	0.57	0.0473		12.00	509.05		110+00.00
FS	512.70	0.58	0.0480		12.00	512.12	1.15	0.0480		24.00	510.97	1.15	0.0480		24.00	509.82	0.58	0.0480		12.00	509.24		110+10.27
	512.97	0.58	0.0480		12.00	512.39	1.15	0.0480		24.00	511.24	1.15	0.0480		24.00	510.09	0.58	0.0480		12.00	509.51		110+25.00
	513.48	0.58	0.0480		12.00	512.90	1.15	0.0480		24.00	511.75	1.15	0.0480		24.00	510.60	0.58	0.0480		12.00	510.02		110+50.00
	514.04	0.58	0.0480		12.00	513.47	1.15	0.0480		24.00	512.31	1.15	0.0480		24.00	511.16	0.58	0.0480		12.00	510.59		110+75.00
	514.66	0.58	0.0480		12.00	514.08	1.15	0.0480		24.00	512.93	1.15	0.0480		24.00	511.78	0.58	0.0480		12.00	511.20		111+00.00
	515.30	0.58	0.0480		12.00	514.72	1.15	0.0480		24.00	513.57	1.15	0.0480		24.00	512.42	0.58	0.0480		12.00	511.84		111+25.00
	515.94	0.58	0.0480		12.00	515.36	1.15	0.0480		24.00	514.21	1.15	0.0480		24.00	513.06	0.58	0.0480		12.00	512.48		111+50.00
	516.58	0.58	0.0480		12.00	516.00	1.15	0.0480		24.00	514.85	1.15	0.0480		24.00	513.70	0.58	0.0480		12.00	513.12		111+75.00
	517.22	0.58	0.0480		12.00	516.64	1.15	0.0480		24.00	515.49	1.15	0.0480		24.00	514.34	0.58	0.0480		12.00	513.76		112+00.00
	517.86	0.58	0.0480		12.00	517.28	1.15	0.0480		24.00	516.13	1.15	0.0480		24.00	514.98	0.58	0.0480		12.00	514.40		112+25.00
	518.50	0.58	0.0480		12.00	517.92	1.15	0.0480		24.00	516.77	1.15	0.0480		24.00	515.62	0.58	0.0480		12.00	515.04		112+50.00
	519.14	0.58	0.0480		12.00	518.56	1.15	0.0480		24.00	517.41	1.15	0.0480		24.00	516.26	0.58	0.0480		12.00	515.68		112+75.00
	519.78	0.58	0.0480		12.00	519.20	1.15	0.0480		24.00	518.05	1.15	0.0480		24.00	516.90	0.58	0.0480		12.00	516.32		113+00.00
	520.42	0.58	0.0480		12.00	519.84	1.15	0.0480		24.00	518.69	1.15	0.0480		24.00	517.54	0.58	0.0480		12.00	516.96		113+25.00
	521.20	0.62	0.0480		13.00	520.58	1.20	0.0480		25.00	519.38	1.20	0.0480		25.00	518.18	0.58	0.0480		12.00	517.60		113+50.00
	521.96	0.67	0.0480		14.00	521.29	1.25	0.0480		26.00	520.04	1.25	0.0480		26.00	518.79	0.58	0.0480		12.00	518.22		113+75.00
	522.67	0.72	0.0480		15.00	521.95	1.30	0.0480		27.00	520.65	1.30	0.0480		27.00	519.36	0.58	0.0480		12.00	518.78		114+00.00
	523.33	0.77	0.0480		16.00	522.56	1.34	0.0480		28.00	521.22	1.34	0.0480		28.00	519.87	0.58	0.0480		12.00	519.30		114+25.00
	523.94	0.82	0.0480		17.00	523.12	1.39	0.0480		29.00	521.73	1.											

SUPERELEVATION TABLE - IR-75 SOUTHBOUND - CURVE NO 1

PI STA 114+25.91

Dc = 02° 45' 00"

REMARKS	LEFT SIDE																			INSIDE EDGE (PROFILE GRADE)		STATION		
	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION		OFFSET	
	524.00	0.58	0.0480		12.00	523.42	1.15	0.0480		24.00	522.27	1.15	0.0480		24.00	521.12	0.58	0.0480		12.00	520.54		115+00.00	
	524.31	0.58	0.0480		12.00	523.74	1.15	0.0480		24.00	522.58	1.15	0.0480		24.00	521.43	0.58	0.0480		12.00	520.86		115+25.00	
	524.58	0.58	0.0480		12.00	524.00	1.15	0.0480		24.00	522.85	1.15	0.0480		24.00	521.70	0.58	0.0480		12.00	521.12		115+50.00	
	524.79	0.58	0.0480		12.00	524.22	1.15	0.0480		24.00	523.06	1.15	0.0480		24.00	521.91	0.58	0.0480		12.00	521.34		115+75.00	
	524.96	0.58	0.0480		12.00	524.38	1.15	0.0480		24.00	523.23	1.15	0.0480		24.00	522.08	0.58	0.0480		12.00	521.50		116+00.00	
	525.07	0.58	0.0480		12.00	524.50	1.15	0.0480		24.00	523.34	1.15	0.0480		24.00	522.19	0.58	0.0480		12.00	521.62		116+25.00	
	525.14	0.58	0.0480		12.00	524.56	1.15	0.0480		24.00	523.41	1.15	0.0480		24.00	522.26	0.58	0.0480		12.00	521.68		116+50.00	
	525.15	0.58	0.0480		12.00	524.58	1.15	0.0480		24.00	523.42	1.15	0.0480		24.00	522.27	0.58	0.0480		12.00	521.70		116+75.00	
	525.12	0.58	0.0480		12.00	524.54	1.15	0.0480		24.00	523.39	1.15	0.0480		24.00	522.24	0.58	0.0480		12.00	521.66		117+00.00	
	525.03	0.58	0.0480		12.00	524.46	1.15	0.0480		24.00	523.30	1.15	0.0480		24.00	522.15	0.58	0.0480		12.00	521.58		117+25.00	
	524.90	0.58	0.0480		12.00	524.32	1.15	0.0480		24.00	523.17	1.15	0.0480		24.00	522.02	0.58	0.0480		12.00	521.44		117+50.00	
	524.74	0.58	0.0480		12.00	524.16	1.15	0.0480		24.00	523.01	1.15	0.0480		24.00	521.86	0.58	0.0480		12.00	521.28		117+75.00	
	524.58	0.58	0.0480		12.00	524.00	1.15	0.0480		24.00	522.85	1.15	0.0480		24.00	521.70	0.58	0.0480		12.00	521.12		118+00.00	
	524.42	0.58	0.0480		12.00	523.84	1.15	0.0480		24.00	522.69	1.15	0.0480		24.00	521.54	0.58	0.0480		12.00	520.96		118+25.00	
FS	524.32	0.58	0.0480		12.00	523.74	1.15	0.0480		24.00	522.59	1.15	0.0480		24.00	521.44	0.58	0.0480		12.00	520.86		118+40.59	
	524.20	0.57	0.0473		12.00	523.64	1.13	0.0473		24.00	522.50	1.13	0.0473		24.00	521.37	0.57	0.0473		12.00	520.80		118+50.00	
	523.90	0.54	0.0453		12.00	523.36	1.09	0.0453		24.00	522.27	1.09	0.0453		24.00	521.18	0.54	0.0453		12.00	520.64		118+75.00	
	523.60	0.52	0.0434		12.00	523.08	1.04	0.0434		24.00	522.04	1.04	0.0434		24.00	521.00	0.52	0.0434		12.00	520.48		119+00.00	
	523.30	0.50	0.0414		12.00	522.80	0.99	0.0414		24.00	521.81	0.99	0.0414		24.00	520.82	0.50	0.0414		12.00	520.32		119+25.00	
	523.00	0.47	0.0394		12.00	522.53	0.95	0.0394		24.00	521.58	0.95	0.0394		24.00	520.63	0.47	0.0394		12.00	520.16		119+50.00	
	522.70	0.45	0.0375		12.00	522.25	0.90	0.0375		24.00	521.35	0.90	0.0375		24.00	520.45	0.45	0.0375		12.00	520.00		119+75.00	
	522.40	0.43	0.0355		12.00	521.97	0.85	0.0355		24.00	521.12	0.85	0.0355		24.00	520.27	0.43	0.0355		12.00	519.84		120+00.00	
	522.10	0.40	0.0336		12.00	521.70	0.81	0.0336		24.00	520.89	0.81	0.0336		24.00	520.08	0.40	0.0336	213:1	12.00	519.68		120+25.00	
PT	521.88	0.38	0.0320		12.00	521.50	0.77	0.0320		24.00	520.73	0.77	0.0320	213:1	24.00	519.96	0.38	0.0320		12.00	519.58		120+45.07	
	521.83	0.38	0.0316		12.00	521.45	0.76	0.0316		24.00	520.70	0.76	0.0316		24.00	519.94	0.38	0.0316		12.00	519.56		120+50.00	
	521.61	0.36	0.0297		12.00	521.26	0.71	0.0297		24.00	520.54	0.71	0.0297		24.00	519.83	0.36	0.0297		12.00	519.48		120+75.00	
	521.43	0.33	0.0277		12.00	521.10	0.66	0.0277		24.00	520.44	0.66	0.0277		24.00	519.77	0.33	0.0277		12.00	519.44		121+00.00	
	521.30	0.31	0.0257		12.00	520.99	0.62	0.0257		24.00	520.37	0.62	0.0257		24.00	519.75	0.31	0.0257		12.00	519.45		121+25.00	
	521.21	0.29	0.0238	213:1	12.00	520.92	0.57	0.0238	213:1	24.00	520.35	0.57	0.0238		24.00	519.78	0.29	0.0238		12.00	519.50		121+50.00	
	521.16	0.26	0.0218		12.00	520.90	0.52	0.0218		24.00	520.38	0.52	0.0218		24.00	519.85	0.26	0.0218		12.00	519.59		121+75.00	
RC	521.15	0.24	0.0200		12.00	520.91	0.48	0.0200		24.00	520.43	0.48	0.0200		24.00	519.95	0.24	0.0200		12.00	519.71		121+98.43	
	521.15	0.24	0.0198		12.00	520.91	0.48	0.0198		24.00	520.44	0.48	0.0198		24.00	519.96	0.24	0.0200		12.00	519.72		122+00.00	
	521.13	0.21	0.0174		12.00	520.93	0.42	0.0174		24.00	520.51	0.42	0.0174		24.00	520.09	0.24	0.0200		12.00	519.85		122+25.00	
RC	521.13	0.19	0.0160		12.00	520.94	0.38	0.0160		24.00	520.55	0.38	0.0160		24.00	520.17	0.24	0.0200		12.00	519.93		122+39.33	
	521.10	0.17	0.0139		12.00	520.94	0.33	0.0139		24.00	520.60	0.38	0.0160		24.00	520.22	0.24	0.0200		12.00	519.98		122+50.00	
	521.06	0.11	0.0090		12.00	520.95	0.22	0.0090		24.00	520.73	0.38	0.0160		24.00	520.35	0.24	0.0200		12.00	520.11		122+75.00	
	521.01	0.05	0.0041		12.00	520.96	0.10	0.0041		24.00	520.86	0.38	0.0160		24.00	520.48	0.24	0.0200		12.00	520.24		123+00.00	
FLAT	520.97	0.00	0.0000		12.00	520.97	0.00	0.0000		24.00	520.97	0.38	0.0160		24.00	520.59	0.24	0.0200		12.00	520.35		123+21.12	
	520.97	-0.01	-0.0008		12.00	520.98	-0.02	-0.0008		24.00	520.99	0.38	0.0160		24.00	520.61	0.24	0.0200		12.00	520.37		123+25.00	
	520.92	-0.07	-0.0056		12.00	520.99	-0.14	-0.0056		24.00	521.12	0.38	0.0160		24.00	520.74	0.24	0.0200		12.00	520.50		123+50.00	
	520.87	-0.13	-0.0105		12.00	521.00	-0.25	-0.0105		24.00	521.25	0.38	0.0160		24.00	520.87	0.24	0.0200		12.00	520.63		123+75.00	
	520.83	-0.19	-0.0154		12.00	521.01	-0.37	-0.0154		24.00	521.38	0.38	0.0160		24.00	521.00	0.24	0.0200		12.00	520.76		124+00.00	
NC	520.83	-0.19	-0.0160		12.00	521.02	-0.38	-0.0160		24.00	521.40	0.38	0.0160		24.00	521.02	0.24	0.0200		12.00	520.78		124+02.91	

SUPERELEVATION TABLE
IR 75 SOUTHBOUND - CURVE NO 1

HAM-75-1.95

MODEL: IR-75 SB CURVE 1B PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 7:18:26 AM USER: sbeal
pw:\chicof-pw.bentley.com\chicofdot-pw-02\Documents\01.Active Projects\District 08\Hamilton\114161\401-Engineering_EMHT\Roadway\Sheets\114161_GEO01.dgn

DESIGN AGENCY
EMHT
DESIGNER
SJB
REVIEWER
MJR 06/21/24
PROJECT ID
114161
SHEET TOTAL
P.296 463

SUPERELEVATION TABLE - IR-75 SOUTHBOUND - CURVE NO 3

PI STA 163+68.90


Dc = 02° 00' 00"

REMARKS	LEFT SIDE																			INSIDE EDGE (PROFILE GRADE)		STATION	
	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION	ELEVATION CORRECTION	CROSS SLOPE	TRANSITION RATE	WIDTH	ELEVATION		OFFSET
NC						534.41	-0.48	-0.0200		24.00	534.89	-0.38	-0.0160		24.00	535.27	0.38	0.0160		24.00	534.89		150+75.76
						534.55	-0.48	-0.0200		24.00	535.03	-0.38	-0.0160		24.00	535.42	0.27	0.0115		24.00	535.14		151+00.00
						534.72	-0.48	-0.0200		24.00	535.20	-0.38	-0.0160		24.00	535.59	0.16	0.0068		24.00	535.42		151+25.00
						534.87	-0.48	-0.0200		24.00	535.35	-0.38	-0.0160		24.00	535.73	0.05	0.0021		24.00	535.68		151+50.00
FLAT						534.93	-0.48	-0.0200		24.00	535.41	-0.38	-0.0160		24.00	535.79	0.00	0.0000		24.00	535.79		151+61.01
						535.00	-0.48	-0.0200		24.00	535.48	-0.38	-0.0160		24.00	535.86	-0.06	-0.0026	222:1	24.00	535.93		151+75.00
						535.11	-0.48	-0.0200		24.00	535.59	-0.38	-0.0160		24.00	535.97	-0.18	-0.0073		24.00	536.15		152+00.00
						535.19	-0.48	-0.0200		24.00	535.67	-0.38	-0.0160		24.00	536.06	-0.29	-0.0120		24.00	536.35		152+25.00
RC						535.25	-0.48	-0.0200		24.00	535.73	-0.38	-0.0160		24.00	536.12	-0.38	-0.0160	222:1	24.00	536.50		152+46.26
						535.26	-0.48	-0.0200		24.00	535.74	-0.39	-0.0164		24.00	536.14	-0.39	-0.0164		24.00	536.53		152+50.00

HAM-75-1.95

MODEL: IR-75 SB CURVE 3 PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 7:18:27 AM USER: sbeal
 pw:\p\chodot-pw.bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\401-Engineering_EMHT\Roadway\Sheets\114161_GEO01.dgn

SUPERELEVATION TABLE
 IR 75 SOUTHBOUND - CURVE NO 3

DESIGN AGENCY

 DESIGNER: SJB
 REVIEWER: MJR 06/21/24
 PROJECT ID: 114161
 SHEET: P.298 TOTAL: 463

SUPERELEVATION TABLE - IR-75 NORTHBOUND - CURVE NO 1

PI STA 114+25.91

Dc = 02° 45' 00"

STATION	INSIDE EDGE (PROFILE GRADE)			RIGHT SIDE																			REMARKS
	OFFSET	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	
102+74.14		516.14	12.00		0.0200	0.24	516.38	24.00		0.0160	0.38	516.76	24.00		-0.0160	-0.38	516.38	12.00		-0.0200	-0.24	516.14	NC
102+84.36		515.90	12.00		0.0160	0.19	516.09	24.00		0.0160	0.38	516.48	24.00		-0.0160	-0.38	516.09	12.00		-0.0200	-0.24	515.85	
103+00.00		515.52	12.00		0.0140	0.17	515.69	24.00		0.0140	0.34	516.02	24.00		-0.0160	-0.38	515.64	12.00		-0.0200	-0.24	515.40	
103+25.00		514.92	12.00		0.0107	0.13	515.05	24.00		0.0107	0.26	515.31	24.00		-0.0160	-0.38	514.92	12.00		-0.0200	-0.24	514.68	
103+50.00		514.32	12.00		0.0074	0.09	514.41	24.00		0.0074	0.18	514.59	24.00		-0.0160	-0.38	514.20	12.00		-0.0200	-0.24	513.96	
103+75.00		513.72	12.00		0.0042	0.05	513.77	24.00		0.0042	0.10	513.87	24.00		-0.0160	-0.38	513.49	12.00		-0.0200	-0.24	513.25	
104+00.00		513.12	12.00		0.0009	0.01	513.13	24.00		0.0009	0.02	513.15	24.00		-0.0160	-0.38	512.77	12.00		-0.0200	-0.24	512.53	
104+07.05		512.95	12.00		0.0000	0.00	512.95	24.00		0.0000	0.00	512.95	24.00		-0.0160	-0.38	512.57	12.00		-0.0200	-0.24	512.33	FLAT
104+25.00		512.52	12.00		-0.0023	-0.03	512.49	24.00		-0.0023	-0.06	512.44	24.00		-0.0160	-0.38	512.05	12.00		-0.0200	-0.24	511.81	
104+50.00		511.92	12.00		-0.0056	-0.07	511.85	24.00		-0.0056	-0.13	511.72	24.00		-0.0160	-0.38	511.33	12.00		-0.0200	-0.24	511.09	
104+75.00		511.32	12.00		-0.0089	-0.11	511.21	24.00		-0.0089	-0.21	511.00	24.00		-0.0160	-0.38	510.62	12.00		-0.0200	-0.24	510.38	
105+00.00		510.72	12.00		-0.0121	-0.15	510.57	24.00		-0.0121	-0.29	510.28	24.00		-0.0160	-0.38	509.90	12.00		-0.0200	-0.24	509.66	
105+25.00		510.15	12.00		-0.0154	-0.18	509.96	24.00		-0.0154	-0.37	509.59	24.00		-0.0160	-0.38	509.21	12.00		-0.0200	-0.24	508.97	
105+29.74		510.04	12.00		-0.0160	-0.19	509.85	24.00		-0.0160	-0.38	509.46	24.00		-0.0160	-0.38	509.08	12.00		-0.0200	-0.24	508.84	RC
105+50.00		509.62	12.00		-0.0176	-0.21	509.41	24.00		-0.0176	-0.42	508.99	24.00		-0.0176	-0.42	508.57	12.00		-0.0200	-0.24	508.33	
105+75.00		509.15	12.00		-0.0195	-0.23	508.92	24.00		-0.0195	-0.47	508.45	24.00		-0.0195	-0.47	507.98	12.00		-0.0200	-0.24	507.74	
105+80.86		509.05	12.00		-0.0200	-0.24	508.81	24.00		-0.0200	-0.48	508.33	24.00		-0.0200	-0.48	507.85	12.00		-0.0200	-0.24	507.61	RC
106+00.00		508.73	12.00	213:1	-0.0212	-0.25	508.48	24.00	213:1	-0.0212	-0.51	507.97	24.00		-0.0212	-0.51	507.46	12.00		-0.0212	-0.25	507.20	
106+25.00		508.37	12.00		-0.0229	-0.27	508.09	24.00		-0.0229	-0.55	507.54	24.00		-0.0229	-0.55	506.99	12.00		-0.0229	-0.27	506.72	
106+50.00		508.05	12.00		-0.0245	-0.29	507.76	24.00		-0.0245	-0.59	507.17	24.00		-0.0245	-0.59	506.58	12.00		-0.0245	-0.29	506.29	
106+75.00		507.79	12.00		-0.0261	-0.31	507.47	24.00		-0.0261	-0.63	506.85	24.00		-0.0261	-0.63	506.22	12.00		-0.0261	-0.31	505.90	
107+00.00		507.57	12.00		-0.0278	-0.33	507.24	24.00		-0.0278	-0.67	506.57	24.00		-0.0278	-0.67	505.91	12.00		-0.0278	-0.33	505.57	
107+25.00		507.41	12.00		-0.0294	-0.35	507.06	24.00		-0.0294	-0.71	506.35	24.00		-0.0294	-0.71	505.65	12.00		-0.0294	-0.35	505.30	
107+50.00		507.30	12.00		-0.0310	-0.37	506.93	24.00		-0.0310	-0.74	506.19	24.00		-0.0310	-0.74	505.44	12.00		-0.0310	-0.37	505.07	
107+64.89		507.26	12.00		-0.0320	-0.38	506.88	24.00		-0.0320	-0.77	506.11	24.00	213:1	-0.0320	-0.77	505.34	12.00		-0.0320	-0.38	504.96	PC
107+75.00		507.25	12.00		-0.0327	-0.39	506.85	24.00		-0.0327	-0.78	506.07	24.00		-0.0327	-0.78	505.29	12.00	213:1	-0.0327	-0.39	504.89	
108+00.00		507.24	12.00		-0.0343	-0.41	506.83	24.00		-0.0343	-0.82	506.01	24.00		-0.0343	-0.82	505.18	12.00		-0.0343	-0.41	504.77	
108+25.00		507.29	12.00		-0.0359	-0.43	506.85	24.00		-0.0359	-0.86	505.99	24.00		-0.0359	-0.86	505.13	12.00		-0.0359	-0.43	504.70	
108+50.00		507.38	12.00		-0.0375	-0.45	506.93	24.00		-0.0375	-0.90	506.03	24.00		-0.0375	-0.90	505.13	12.00		-0.0375	-0.45	504.68	
108+75.00		507.53	12.00		-0.0392	-0.47	507.06	24.00		-0.0392	-0.94	506.12	24.00		-0.0392	-0.94	505.18	12.00		-0.0392	-0.47	504.71	
109+00.00		507.73	12.00		-0.0408	-0.49	507.24	24.00		-0.0408	-0.98	506.26	24.00		-0.0408	-0.98	505.28	12.00		-0.0408	-0.49	504.79	
109+25.00		507.99	12.00		-0.0424	-0.51	507.48	24.00		-0.0424	-1.02	506.46	24.00		-0.0424	-1.02	505.44	12.00		-0.0424	-0.51	504.93	
109+50.00		508.29	12.00		-0.0441	-0.53	507.76	24.00		-0.0441	-1.06	506.70	24.00		-0.0441	-1.06	505.65	12.00		-0.0441	-0.53	505.12	
109+75.00		508.65	12.00		-0.0457	-0.55	508.10	24.00		-0.0457	-1.10	507.00	24.00		-0.0457	-1.10	505.90	12.00		-0.0457	-0.55	505.36	
110+00.00		509.05	12.00		-0.0473	-0.57	508.49	24.00		-0.0473	-1.14	507.35	24.00		-0.0473	-1.14	506.21	12.00		-0.0473	-0.57	505.65	
110+10.27		509.24	12.00		-0.0480	-0.58	508.66	24.00		-0.0480	-1.15	507.51	24.00		-0.0480	-1.15	506.36	12.00		-0.0480	-0.58	505.78	FS
110+25.00		509.51	12.00		-0.0480	-0.58	508.94	24.00		-0.0480	-1.15	507.78	24.00		-0.0480	-1.15	506.63	12.00		-0.0480	-0.58	506.06	
110+50.00		510.02	12.00		-0.0480	-0.58	509.45	24.00		-0.0480	-1.15	508.30	24.00		-0.0480	-1.15	507.14	12.00		-0.0480	-0.58	506.57	
110+75.00		510.59	12.00		-0.0480	-0.58	510.01	24.00		-0.0480	-1.15	508.86	24.00		-0.0480	-1.15	507.71	12.00		-0.0480	-0.58	507.13	
111+00.00		511.20	12.00		-0.0480	-0.58	510.62	24.00		-0.0480	-1.15	509.47	24.00		-0.0480	-1.15	508.32	12.00		-0.0480	-0.58	507.74	
111+25.00		511.84	12.00		-0.0480	-0.58	511.26	24.00		-0.0480	-1.15	510.11	24.00		-0.0480	-1.15	508.96	12.00		-0.0480	-0.58	508.38	
111+50.00		512.48	12.00		-0.0480	-0.58	511.90	24.00		-0.0480	-1.15	510.75	24.00		-0.0480	-1.15	509.60	12.00		-0.0480	-0.58	509.02	
111+75.00		513.12	12.00		-0.0480	-0.58	512.54	24.00		-0.0480	-1.15	511.39	24.00		-0.0480	-1.15	510.24	12.00		-0.0480	-0.58	509.66	
112+00.00		513.76	12.00		-0.0480	-0.58	513.18	24.00		-0.0480	-1.15	512.03	24.00		-0.0480	-1.15	510.88	12.00		-0.0480	-0.58	510.30	
112+25.00		514.40	12.00		-0.0480	-0.58	513.82	24.00		-0.0480	-1.15	512.67	24.00		-0.0480	-1.15	511.52	12.00		-0.0480	-0.58	510.94	
112+50.00		515.04	12.00		-0.0480	-0.58	514.46	24.00		-0.0480	-1.15	513.31	24.00		-0.0480	-1.15	512.16	12.00		-0.0480	-0.58	511.58	
112+75.00		515.68	12.00		-0.0480	-0.58	515.10	24.00		-0.0480	-1.15	513.95	24.00		-0.0480	-1.15	512.80	12.00		-0.0480	-0.58	512.22	
113+00.00		516.32	12.00		-0.0480	-0.58	515.74	24.00		-0.0480	-1.15	514.59	24.00		-0.0480	-1.15	513.44	12.00		-0.0480	-0.58	512.86	
113+25.00		516.96	12.00		-0.0480	-0.58	516.38	24.00		-0.0480	-1.15	515.23	24.00		-0.0480	-1.15	514.08	12.00		-0.0480	-0.58	513.50	
113+50.00		517.60	12.00		-0.0480	-0.58	517.02	24.00		-0.0480	-1.15	515.87	24.00		-0.0480	-1.15	514.72	12.00		-0.0480	-0.58	514.14	
113+75.00		518.22	12.00		-0.0480	-0.58	517.64	24.00		-0.0480	-1.15	516.49	24.00		-0.0480	-1.15	515.34	12.00		-0.0480	-0.58	514.76	
114+00.00		518.78	12.00		-0.0480	-0.58	518.20	24.00		-0.0480	-1.15	517.05	24.00		-0.0480	-1.15	515.90	12.00		-0.0480	-0.58	515.32	
114+25.00		519.30	12.00		-0.0480	-0.58	518.72	24.00		-0.0480	-1.15	517.57	24.00		-0.0480	-1.15	516.42	12.00		-0.0480	-0.58	515.84	
114+50.00		519.76	12.00		-0.0480	-0.58	519.18	24.00		-0.0480	-1.15	518.03	24.00		-0.0480	-1.15	516.88	12.00		-0.0480	-0.58	516.30	
114+75.00		520.18	13.00		-0.0480	-0.62	519.55	24.00		-0.0480	-1.15												

SUPERELEVATION TABLE - IR-75 NORTHBOUND - CURVE NO 1

PI STA 114+25.91

Dc = 02° 45' 00"

STATION	INSIDE EDGE (PROFILE GRADE)			RIGHT SIDE																			REMARKS
	OFFSET	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	
115+75.00		521.34	12.00		-0.0480	-0.58	520.76	24.00		-0.0480	-1.15	519.61	24.00		-0.0480	-1.15	518.46	12.00		-0.0480	-0.58	517.88	
116+00.00		521.50	12.00		-0.0480	-0.58	520.92	24.00		-0.0480	-1.15	519.77	24.00		-0.0480	-1.15	518.62	12.00		-0.0480	-0.58	518.04	
116+25.00		521.62	12.00		-0.0480	-0.58	521.04	24.00		-0.0480	-1.15	519.89	24.00		-0.0480	-1.15	518.74	12.00		-0.0480	-0.58	518.16	
116+50.00		521.68	12.00		-0.0480	-0.58	521.10	24.00		-0.0480	-1.15	519.95	24.00		-0.0480	-1.15	518.80	12.00		-0.0480	-0.58	518.22	
116+75.00		521.70	12.00		-0.0480	-0.58	521.12	24.00		-0.0480	-1.15	519.97	24.00		-0.0480	-1.15	518.82	12.00		-0.0480	-0.58	518.24	
117+00.00		521.66	12.00		-0.0480	-0.58	521.08	24.00		-0.0480	-1.15	519.93	24.00		-0.0480	-1.15	518.78	12.00		-0.0480	-0.58	518.20	
117+25.00		521.58	12.00		-0.0480	-0.58	521.00	24.00		-0.0480	-1.15	519.85	24.00		-0.0480	-1.15	518.70	12.00		-0.0480	-0.58	518.12	
117+50.00		521.44	12.00		-0.0480	-0.58	520.86	24.00		-0.0480	-1.15	519.71	24.00		-0.0480	-1.15	518.56	12.00		-0.0480	-0.58	517.98	
117+75.00		521.28	12.00		-0.0480	-0.58	520.70	24.00		-0.0480	-1.15	519.55	24.00		-0.0480	-1.15	518.40	12.00		-0.0480	-0.58	517.82	
118+00.00		521.12	12.00		-0.0480	-0.58	520.54	24.00		-0.0480	-1.15	519.39	24.00		-0.0480	-1.15	518.24	12.00		-0.0480	-0.58	517.66	
118+25.00		520.96	12.00		-0.0480	-0.58	520.38	24.00		-0.0480	-1.15	519.23	24.00		-0.0480	-1.15	518.08	12.00		-0.0480	-0.58	517.50	
118+40.59		520.86	12.00		-0.0480	-0.58	520.28	24.00		-0.0480	-1.15	519.13	24.00		-0.0480	-1.15	517.98	12.00		-0.0480	-0.58	517.40	FS
118+50.00		520.80	12.00		-0.0473	-0.57	520.23	24.00		-0.0473	-1.13	519.10	24.00		-0.0473	-1.13	517.96	12.00		-0.0473	-0.57	517.40	
118+75.00		520.64	12.00		-0.0453	-0.54	520.10	24.00		-0.0453	-1.09	519.01	24.00		-0.0453	-1.09	517.92	12.00		-0.0453	-0.54	517.38	
119+00.00		520.48	12.00		-0.0434	-0.52	519.96	24.00		-0.0434	-1.04	518.92	24.00		-0.0434	-1.04	517.88	12.00		-0.0434	-0.52	517.36	
119+25.00		520.32	12.00		-0.0414	-0.50	519.82	24.00		-0.0414	-0.99	518.83	24.00		-0.0414	-0.99	517.84	12.00		-0.0414	-0.50	517.34	
119+50.00		520.16	12.00		-0.0394	-0.47	519.69	24.00		-0.0394	-0.95	518.74	24.00		-0.0394	-0.95	517.79	12.00		-0.0394	-0.47	517.32	
119+75.00		520.00	12.00		-0.0375	-0.45	519.55	24.00		-0.0375	-0.90	518.65	24.00		-0.0375	-0.90	517.75	12.00		-0.0375	-0.45	517.30	
120+00.00		519.84	12.00		-0.0355	-0.43	519.41	24.00		-0.0355	-0.85	518.56	24.00		-0.0355	-0.85	517.71	12.00	213:1	-0.0355	-0.43	517.28	
120+25.00		519.68	12.00		-0.0336	-0.40	519.28	24.00		-0.0336	-0.81	518.47	24.00		-0.0336	-0.81	517.67	12.00		-0.0336	-0.40	517.26	
120+45.07		519.58	12.00		-0.0320	-0.38	519.20	24.00		-0.0320	-0.77	518.43	24.00	213:1	-0.0320	-0.77	517.66	12.00		-0.0320	-0.38	517.28	PT
120+50.00		519.56	12.00		-0.0316	-0.38	519.18	24.00		-0.0316	-0.76	518.42	24.00		-0.0316	-0.76	517.66	12.00		-0.0316	-0.38	517.28	
120+75.00		519.48	12.00		-0.0297	-0.36	519.12	24.00		-0.0297	-0.71	518.41	24.00		-0.0297	-0.71	517.70	12.00		-0.0297	-0.36	517.34	
121+00.00		519.44	12.00		-0.0277	-0.33	519.11	24.00		-0.0277	-0.66	518.44	24.00		-0.0277	-0.66	517.78	12.00		-0.0277	-0.33	517.44	
121+25.00		519.45	12.00		-0.0257	-0.31	519.14	24.00		-0.0257	-0.62	518.52	24.00		-0.0257	-0.62	517.90	12.00		-0.0257	-0.31	517.59	
121+50.00		519.50	12.00		-0.0238	-0.29	519.21	24.00		-0.0238	-0.57	518.64	24.00		-0.0238	-0.57	518.07	12.00		-0.0238	-0.29	517.78	
121+75.00		519.59	12.00		-0.0218	-0.26	519.33	24.00	213:1	-0.0218	-0.52	518.81	24.00		-0.0218	-0.52	518.28	12.00		-0.0218	-0.26	518.02	
121+98.43		519.71	12.00		-0.0200	-0.24	519.47	24.00		-0.0200	-0.48	518.99	24.00		-0.0200	-0.48	518.51	12.00		-0.0200	-0.24	518.27	RC
122+00.00		519.72	12.00	213:1	-0.0199	-0.24	519.48	24.00		-0.0199	-0.48	519.00	24.00		-0.0199	-0.48	518.53	12.00		-0.0200	-0.24	518.29	
122+25.00		519.85	12.00		-0.0179	-0.22	519.63	24.00		-0.0179	-0.43	519.20	24.00		-0.0179	-0.43	518.77	12.00		-0.0200	-0.24	518.53	
122+49.55		519.98	12.00		-0.0160	-0.19	519.79	24.00		-0.0160	-0.38	519.40	24.00		-0.0160	-0.38	519.02	12.00		-0.0200	-0.24	518.78	RC
122+50.00		519.98	12.00		-0.0159	-0.19	519.79	24.00		-0.0159	-0.38	519.41	24.00		-0.0160	-0.38	519.02	12.00		-0.0200	-0.24	518.78	
122+75.00		520.11	12.00		-0.0127	-0.15	519.96	24.00		-0.0127	-0.30	519.65	24.00		-0.0160	-0.38	519.27	12.00		-0.0200	-0.24	519.03	
123+00.00		520.24	12.00		-0.0094	-0.11	520.13	24.00		-0.0094	-0.23	519.90	24.00		-0.0160	-0.38	519.52	12.00		-0.0200	-0.24	519.28	
123+25.00		520.37	12.00		-0.0062	-0.07	520.30	24.00		-0.0062	-0.15	520.15	24.00		-0.0160	-0.38	519.76	12.00		-0.0200	-0.24	519.52	
123+50.00		520.50	12.00		-0.0029	-0.03	520.47	24.00		-0.0029	-0.07	520.40	24.00		-0.0160	-0.38	520.01	12.00		-0.0200	-0.24	519.77	
123+72.24		520.62	12.00		0.0000	0.00	520.62	24.00		0.0000	0.00	520.62	24.00		-0.0160	-0.38	520.24	12.00		-0.0200	-0.24	520.00	FLAT
123+75.00		520.63	12.00		0.0004	0.00	520.63	24.00		0.0004	0.01	520.64	24.00		-0.0160	-0.38	520.26	12.00		-0.0200	-0.24	520.02	
124+00.00		520.76	12.00		0.0036	0.04	520.80	24.00		0.0036	0.09	520.89	24.00		-0.0160	-0.38	520.51	12.00		-0.0200	-0.24	520.27	
124+25.00		520.89	12.00		0.0069	0.08	520.97	24.00		0.0069	0.17	521.14	24.00		-0.0160	-0.38	520.75	12.00		-0.0200	-0.24	520.51	
124+50.00		521.02	12.00		0.0101	0.12	521.14	24.00		0.0101	0.24	521.39	24.00		-0.0160	-0.38	521.00	12.00		-0.0200	-0.24	520.76	
124+75.00		521.15	12.00		0.0134	0.16	521.31	24.00		0.0134	0.32	521.63	24.00		-0.0160	-0.38	521.25	12.00		-0.0200	-0.24	521.01	
124+94.93		521.25	12.00		0.0160	0.19	521.44	24.00		0.0160	0.38	521.83	24.00		-0.0160	-0.38	521.44	12.00		-0.0200	-0.24	521.20	
125+00.00		521.28	12.00		0.0180	0.22	521.50	24.00		0.0160	0.38	521.88	24.00		-0.0160	-0.38	521.50	12.00		-0.0200	-0.24	521.26	
125+05.15		521.31	12.00		0.0200	0.24	521.55	24.00		0.0160	0.38	521.93	24.00		-0.0160	-0.38	521.55	12.00		-0.0200	-0.24	521.31	NC

**SUPERELEVATION TABLE
IR 75 NORTHBOUND - CURVE NO 1**

HAM-75-1.95

MODEL: IR-75 NB CURVE 1B PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 7:18:29 AM USER: sbeal
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DESIGN AGENCY
EMHT

DESIGNER
SJB

REVIEWER
MJR 06/21/24

PROJECT ID
114161

SHEET TOTAL
P.300 463

SUPERELEVATION TABLE - IR-75 NORTHBOUND - CURVE NO 3

PI STA 163+68.90


Dc = 02° 00' 00"

STATION	INSIDE EDGE (PROFILE GRADE)			RIGHT SIDE																REMARKS					
	OFFSET	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	WIDTH	TRANSITION RATE	CROSS SLOPE	ELEVATION CORRECTION	ELEVATION	WIDTH	TRANSITION RATE		CROSS SLOPE	ELEVATION CORRECTION	ELEVATION		
149+79.86		533.51	24.00		0.0160	0.38	533.89	24.00		-0.0200	-0.48	533.41	24.00		-0.0200	-0.48	532.93								NC
149+90.52		533.67	24.00		0.0160	0.38	534.05	24.00		-0.0160	-0.38	533.67	24.00		-0.0160	-0.38	533.29								
150+00.00		533.81	24.00		0.0160	0.38	534.20	24.00		-0.0148	-0.36	533.84	24.00		-0.0148	-0.36	533.49								
150+25.00		534.18	24.00		0.0160	0.38	534.56	24.00		-0.0117	-0.28	534.28	24.00		-0.0117	-0.28	534.00								
150+50.00		534.52	24.00		0.0160	0.38	534.90	24.00		-0.0086	-0.21	534.70	24.00		-0.0086	-0.21	534.49								
150+75.00		534.84	24.00		0.0160	0.38	535.22	24.00		-0.0054	-0.13	535.09	24.00		-0.0054	-0.13	534.96								
151+00.00		535.14	24.00		0.0160	0.38	535.53	24.00		-0.0023	-0.06	535.47	24.00		-0.0023	-0.06	535.41								
151+18.39		535.35	24.00		0.0160	0.38	535.73	24.00	222:1	0.0000	0.00	535.73	24.00	222:1	0.0000	0.00	535.73								FLAT
151+25.00		535.42	24.00		0.0160	0.38	535.81	24.00		0.0008	0.02	535.83	24.00		0.0008	0.02	535.85								
151+50.00		535.68	24.00		0.0160	0.38	536.07	24.00		0.0040	0.09	536.16	24.00		0.0040	0.09	536.26								
151+75.00		535.93	24.00		0.0160	0.38	536.31	24.00		0.0071	0.17	536.48	24.00		0.0071	0.17	536.65								
152+00.00		536.15	24.00		0.0160	0.38	536.53	24.00		0.0102	0.25	536.78	24.00		0.0102	0.25	537.02								
152+25.00		536.35	24.00		0.0160	0.38	536.73	24.00		0.0133	0.32	537.05	24.00		0.0133	0.32	537.37								
152+46.26		536.50	24.00	222:1	0.0160	0.38	536.88	24.00		0.0160	0.38	537.27	24.00		0.0160	0.38	537.65								RC
152+50.00		536.53	24.00			0.0163	0.39	536.92	24.00		0.0163	0.39	537.31	24.00		0.0163	0.39	537.70							

HAM-75-1.95

MODEL: IR-75 NB CURVE 3 PAPER SIZE: 34x42 (in.) DATE: 6/20/2024 TIME: 7:18:31 AM USER: sbeal
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SUPERELEVATION TABLE
 IR 75 NORTHBOUND - CURVE NO 3

DESIGN AGENCY

 DESIGNER: SJB
 REVIEWER: MJR 06/21/24
 PROJECT ID: 114161
 SHEET TOTAL: P.302 463

SUPERELEVATION TABLE - RAMP A - CURVE NO A1

PI STA 502+11.74

Dc = 04° 00' 00"

LEFT SIDE					BASELINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
518.20	200:1	0.58	4.80%	12.00	500+00.00	517.62						FS
518.33		0.63	5.20%	12.21	500+12.80	517.70						
518.45		0.65	5.20%	12.41	500+25.00	517.80						
518.64		0.67	5.20%	12.81	500+50.00	517.97						PT
518.77		0.69	5.20%	13.22	500+75.00	518.08						
518.83		0.71	5.20%	13.63	501+00.00	518.12						
518.84		0.73	5.20%	14.03	501+25.00	518.11						NC
518.79		0.75	5.20%	14.44	501+50.00	518.04						
518.67		0.77	5.20%	14.84	501+75.00	517.90						
518.50		0.79	5.20%	15.25	502+00.00	517.71						FLAT
518.32		0.81	5.20%	15.66	502+25.00	517.51						
518.09		0.83	5.20%	16.00	502+50.00	517.26						
517.86		0.83	5.20%	16.00	502+75.00	517.03						
517.72		0.83	5.20%	16.00	503+00.00	516.89						
517.61		0.83	5.20%	16.00	503+25.00	516.78						
517.51		0.83	5.20%	16.00	503+50.00	516.68						
517.51	200:1	0.83	5.20%	16.00	503+50.04	516.68						FS
517.42		0.71	4.42%	16.00	503+75.00	516.71						
517.32		0.58	3.64%	16.00	504+00.00	516.74						
517.25		0.48	3.00%	16.00	504+20.44	516.77						PT
517.23		0.46	2.86%	16.00	504+25.00	516.77						
517.19		0.33	2.08%	16.00	504+50.00	516.86						
517.16		0.26	1.60%	16.00	504+65.24	516.90						NC
517.21		0.21	1.30%	16.00	504+75.00	517.00						
517.28		0.08	0.52%	16.00	505+00.00	517.20						
517.37		0.00	0.00%	16.00	505+16.49	517.37						FLAT

SUPERELEVATION TABLE - RAMP A - CURVE NO A2

PI STA 506+73.29

Dc = 01° 30' 00"

LEFT SIDE					BASELINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
517.37	200:1	0.00	0.00%	16.00	505+16.49	517.37						FLAT
517.42		-0.04	-0.27%	16.00	505+25.00	517.46						
517.63		-0.17	-1.05%	16.00	505+50.00	517.80						
517.80		-0.26	-1.60%	16.00	505+67.69	518.06						RC
517.87		-0.29	-1.83%	16.00	505+75.00	518.17						
517.90		-0.30	-1.89%	16.00	505+76.97	518.20						PC
518.18		-0.42	-2.61%	16.00	506+00.00	518.60						
518.26		-0.45	-2.80%	16.00	506+06.09	518.71						FS
518.59		-0.45	-2.80%	16.00	506+25.00	519.04						
519.05		-0.45	-2.80%	16.00	506+50.00	519.49						
519.55	-0.45	-2.80%	16.00	506+75.00	520.00							
520.11	-0.45	-2.80%	16.00	507+00.00	520.56							
520.72	-0.45	-2.80%	16.00	507+25.00	521.16							
521.20	-0.45	-2.80%	16.00	507+43.88	521.65						FS	
521.40	-0.41	-2.58%	16.00	507+50.00	521.82							
522.06	-0.30	-1.87%	16.00	507+69.57	522.36						PT	
522.25	-0.27	-1.67%	16.00	507+75.00	522.52							
522.31	-0.26	-1.60%	16.00	507+76.91	522.57						NC	

SUPERELEVATION TABLE
RAMP A - CURVE NO 1 & NO 2

DESIGN AGENCY



DESIGNER
SJB
REVIEWER
MJR 06/21/24
PROJECT ID
114161
SHEET TOTAL
P.303 463

HAM-75-1.95

MODEL: RAMP B - CURVE 1-2 PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 7:18:49 AM USER: sbeal
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SUPERELEVATION TABLE - RAMP B - CURVE NO B1

PI STA 9+31.98

Dc = 02° 36' 46"

LEFT SIDE					BASELINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
					8+00.00	525.76	16.00	-0.0480	-0.77	200:1	524.99	PC
					8+19.20	525.65	16.00	-0.0420	-0.67		524.98	FS
					8+25.00	525.61	16.00	-0.0420	-0.67		524.94	
					8+50.00	525.46	16.00	-0.0420	-0.67		524.79	
					8+75.00	525.31	16.00	-0.0420	-0.67		524.64	
					9+00.00	525.19	16.00	-0.0420	-0.67		524.52	
					9+25.00	525.12	16.00	-0.0420	-0.67		524.45	
					9+50.00	525.11	16.00	-0.0420	-0.67		524.44	
					9+75.00	525.16	16.00	-0.0420	-0.67		524.48	
					10+00.00	525.25	16.00	-0.0420	-0.67		524.58	
					10+21.57	525.38	16.00	-0.0420	-0.67		524.71	FS
					10+25.00	525.41	16.00	-0.0409	-0.65		524.75	
					10+50.00	525.61	16.00	-0.0331	-0.53		525.08	
					10+66.37	525.78	16.00	-0.0280	-0.45		525.33	PT
					10+75.00	525.88	16.00	-0.0253	-0.40		525.47	
					11+00.00	526.20	16.00	-0.0175	-0.28		525.92	
					11+04.77	526.26	16.00	-0.0160	-0.26	200:1	526.00	RC
					11+25.00	526.57	16.00	-0.0097	-0.15		526.41	
					11+50.00	527.00	16.00	-0.0019	-0.03		526.97	
					11+55.97	527.11	16.00	0.0000	0.00		527.11	FLAT
					11+75.00	527.48	16.00	0.0059	0.10		527.58	
					12+00.00	528.02	16.00	0.0138	0.22		528.24	
					12+07.17	528.18	16.00	0.0160	0.26		528.44	NC


SUPERELEVATION TABLE - RAMP B - CURVE NO B2

PI STA 19+12.47

Dc = 05° 59' 58"

LEFT SIDE					BASELINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
					18+06.32	542.96	16.00	0.0160	0.26		543.22	NC
					18+25.00	543.06	16.00	0.0237	0.38	152:1	543.44	
					18+25.78	543.06	16.00	0.0240	0.38		543.44	PC
					18+50.00	543.19	16.00	0.0340	0.54		543.73	
					18+54.96	543.22	16.00	0.0360	0.58		543.80	FS
					18+75.00	543.32	16.00	0.0360	0.58		543.90	
					19+00.00	543.45	16.00	0.0360	0.58		544.03	
					19+25.00	543.58	16.00	0.0360	0.58		544.16	
					19+50.00	543.71	16.00	0.0360	0.58		544.29	
					19+71.34	543.82	16.00	0.0360	0.58		544.40	FS
					19+75.00	543.84	16.00	0.0345	0.55	152:1	544.39	
					20+00.00	543.97	16.00	0.0242	0.39		544.36	
					20+00.52	543.98	16.00	0.0240	0.38		544.36	PT
					20+19.98	544.07	16.00	0.0160	0.26		544.33	NC

SUPERELEVATION TABLE
RAMP B - CURVE NO 1 & NO 2

DESIGN AGENCY

 DESIGNER: SJB
 REVIEWER: MJR 06/21/24
 PROJECT ID: 114161
 SHEET: P.304 TOTAL: 463

SUPERELEVATION TABLE - RAMP C - CURVE NO C1

PI STA 57+26.75

Dc = 01° 30' 00"

LEFT SIDE					BASELINE CONTROL		RIGHT SIDE										REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
533.29	200:1	-0.13	-0.0160	8.00	53+57.32	533.42	4.00	0.0160	0.06	200:1	533.48	12.00	-0.0160	-0.19	200:1	533.29	NC
532.38		-0.07	-0.0086	8.00	53+75.00	532.45	4.00	0.0086	0.03		532.49	12.00	-0.0160	-0.19		532.29	
531.31		0.00	0.0000	8.00	53+95.72	531.31	4.00	0.0000	0.00		531.31	12.00	-0.0160	-0.19		531.12	FLAT
531.09		0.01	0.0018	8.00	54+00.00	531.08	4.00	-0.0018	-0.01		531.07	12.00	-0.0160	-0.19		530.88	
529.83		0.10	0.0122	8.00	54+25.00	529.73	4.00	-0.0122	-0.05		529.68	12.00	-0.0160	-0.19		529.49	
529.39		0.13	0.0160	8.00	54+34.12	529.26	4.00	-0.0160	-0.06		529.20	12.00	-0.0160	-0.19		529.00	RC
528.97		0.15	0.0187	8.00	54+42.65	528.82	4.00	-0.0187	-0.07		528.75	12.00	-0.0187	-0.22		528.52	PC
528.62		0.17	0.0210	8.00	54+50.00	528.45	4.00	-0.0210	-0.08		528.36	12.00	-0.0210	-0.25		528.11	FS
527.56		0.22	0.0280	8.00	54+72.52	527.34	4.00	-0.0280	-0.11		527.23	12.00	-0.0280	-0.34		526.89	
527.45		0.22	0.0280	8.00	54+75.00	527.23	4.00	-0.0280	-0.11		527.11	12.00	-0.0280	-0.34		526.78	
526.29	0.22	0.0280	8.00	55+00.00	526.06	4.00	-0.0280	-0.11	525.95	12.00	-0.0280	-0.34	525.61				
525.18	0.22	0.0280	8.00	55+25.00	524.96	4.00	-0.0280	-0.11	524.85	12.00	-0.0280	-0.34	524.51				
524.14	0.22	0.0280	8.00	55+50.00	523.92	4.00	-0.0280	-0.11	523.80	12.00	-0.0280	-0.34	523.47				
523.16	0.22	0.0280	8.00	55+75.00	522.93	4.00	-0.0280	-0.11	522.82	12.00	-0.0280	-0.34	522.49				
522.24	0.22	0.0280	8.00	56+00.00	522.01	4.00	-0.0280	-0.11	521.90	12.00	-0.0280	-0.34	521.56				
521.37	0.22	0.0280	8.00	56+25.00	521.15	4.00	-0.0280	-0.11	521.04	12.00	-0.0280	-0.34	520.70				
520.57	0.22	0.0280	8.00	56+50.00	520.35	4.00	-0.0280	-0.11	520.24	12.00	-0.0280	-0.34	519.90				
519.83	0.22	0.0280	8.00	56+75.00	519.61	4.00	-0.0280	-0.11	519.49	12.00	-0.0280	-0.34	519.16				
519.15	0.22	0.0280	8.00	57+00.00	518.93	4.00	-0.0280	-0.11	518.81	12.00	-0.0280	-0.34	518.48				
518.53	0.22	0.0280	8.00	57+25.00	518.31	4.00	-0.0280	-0.11	518.19	12.00	-0.0280	-0.34	517.86				
517.97	0.22	0.0280	8.00	57+50.00	517.75	4.00	-0.0280	-0.11	517.63	12.00	-0.0280	-0.34	517.30				
517.47	0.22	0.0280	8.00	57+75.00	517.25	4.00	-0.0280	-0.11	517.13	12.00	-0.0280	-0.34	516.80				
517.03	0.22	0.0280	8.00	58+00.00	516.81	4.00	-0.0280	-0.11	516.69	12.00	-0.0280	-0.34	516.36				
516.65	0.22	0.0280	8.00	58+25.00	516.43	4.00	-0.0280	-0.11	516.32	12.00	-0.0280	-0.34	515.98				
516.33	0.22	0.0280	8.00	58+50.00	516.11	4.00	-0.0280	-0.11	516.00	12.00	-0.0280	-0.34	515.66				
516.07	0.22	0.0280	8.00	58+75.00	515.85	4.00	-0.0280	-0.11	515.74	12.00	-0.0280	-0.34	515.40				
515.88	0.22	0.0280	8.00	59+00.00	515.65	4.00	-0.0280	-0.11	515.54	12.00	-0.0280	-0.34	515.20				
515.74	0.22	0.0280	8.00	59+25.00	515.51	4.00	-0.0280	-0.11	515.40	12.00	-0.0280	-0.34	515.07				
515.66	0.22	0.0280	8.00	59+50.00	515.44	4.00	-0.0280	-0.11	515.33	12.00	-0.0280	-0.34	514.99				
515.58	0.16	0.0280	5.58	59+75.00	515.42	4.00	-0.0280	-0.11	515.31	12.00	-0.0280	-0.34	514.97				
515.54	200:1	0.11	0.0280	4.10	59+84.21	515.43	4.00	-0.0280	-0.11	515.32	12.00	-0.0280	-0.34	514.98	FS		
515.50		0.04	0.0231	1.57	60+00.00	515.46	4.00	-0.0231	-0.09	515.37	12.00	-0.0231	-0.28	515.09			
515.50		0.00	0.0200	0.00	60+09.81	515.50	4.00	-0.0200	-0.08	515.42	12.00	-0.0200	-0.24	515.18	PT		

SUPERELEVATION TABLE
RAMP C - CURVE NO 1

DESIGN AGENCY



DESIGNER
SJB
 REVIEWER
MJR 06/21/24
 PROJECT ID
114161
 SHEET TOTAL
P.305 463

SUPERELEVATION TABLE - RAMP C - CURVE NO C2

PI STA 62+23.52

Dc = 01° 00' 00"

LEFT SIDE					BASELINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
					60+81.43	516.23	16.00	-0.0200	-0.32		515.91	PC/FS
					61+00.00	516.24	16.00	-0.0200	-0.32		515.92	
					61+25.00	516.56	16.00	-0.0200	-0.32		516.24	
					61+50.00	516.87	16.00	-0.0200	-0.32		516.55	
					61+75.00	517.18	16.00	-0.0200	-0.32		516.86	
					62+00.00	517.50	16.00	-0.0200	-0.32		517.18	
					62+25.00	517.81	16.00	-0.0200	-0.32		517.49	
					62+50.00	518.13	16.00	-0.0200	-0.32		517.81	
					62+75.00	518.44	16.00	-0.0200	-0.32		518.12	
					63+00.00	518.76	16.00	-0.0200	-0.32		518.44	
					63+25.00	519.09	16.00	-0.0200	-0.32		518.77	
					63+44.22	519.58	16.00	-0.0200	-0.32		519.26	FS
					63+50.00	519.73	16.00	-0.0182	-0.29		519.44	
					63+57.02	519.91	16.00	-0.0160	-0.26		519.65	RC
					63+65.55	520.12	16.00	-0.0133	-0.21		519.91	PT
					63+75.00	520.36	16.00	-0.0104	-0.17	200:1	520.19	
					64+00.00	521.00	16.00	-0.0026	-0.04		520.96	
					64+08.22	521.21	16.00	0.0000	0.00		521.21	FLAT
					64+25.00	521.64	16.00	0.0052	0.08		521.72	
					64+50.00	522.28	16.00	0.0131	0.21		522.49	
					64+72.22	522.85	16.00	0.0200	0.32		523.17	NC

SUPERELEVATION TABLE - CONNECTOR - CURVE NO CON1

PI STA 14+18.83

Dc = 22° 44' 11"

LEFT SIDE					BASELINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
					10+13.62	540.28	16.00	-0.0160	-0.26		540.02	TS/NC
					10+25.00	540.10	16.00	-0.0188	-0.30		539.80	
					10+50.00	539.70	16.00	-0.0250	-0.40		539.30	
					10+75.00	539.27	16.00	-0.0311	-0.50		538.77	
					11+00.00	538.58	16.00	-0.0373	-0.60	253:1	537.98	
					11+25.00	537.59	16.00	-0.0435	-0.70		536.89	
					11+50.00	536.30	16.00	-0.0496	-0.79		535.50	
					11+63.62	535.47	16.00	-0.0530	-0.85		534.62	SC/FS
					11+75.00	534.74	16.00	-0.0530	-0.85		533.89	
					12+00.00	533.14	16.00	-0.0530	-0.85		532.29	
					12+25.00	531.54	16.00	-0.0530	-0.85		530.69	
					12+50.00	529.94	16.00	-0.0530	-0.85		529.09	
					12+75.00	528.34	16.00	-0.0530	-0.85		527.49	
					13+00.00	526.74	16.00	-0.0530	-0.85		525.89	
					13+25.00	525.14	16.00	-0.0530	-0.85		524.29	
					13+50.00	523.54	16.00	-0.0530	-0.85		522.69	
					13+75.00	521.94	16.00	-0.0530	-0.85		521.09	
					14+00.00	520.34	16.00	-0.0530	-0.85		519.49	
					14+25.00	518.74	16.00	-0.0530	-0.85		517.89	
					14+50.00	517.14	16.00	-0.0530	-0.85		516.29	
					14+75.00	515.53	16.00	-0.0530	-0.85		514.69	
					15+00.00	513.93	16.00	-0.0530	-0.85		513.09	
					15+22.23	512.51	16.00	-0.0530	-0.85		511.66	FS
					15+25.00	512.33	16.00	-0.0518	-0.83		511.50	
					15+50.00	510.73	16.00	-0.0409	-0.65		510.08	
					15+62.65	509.73	16.00	-0.0353	-0.57	143:1	509.16	PT
					15+75.00	509.19	16.00	-0.0299	-0.48		508.72	
					16+00.00	508.09	16.00	-0.0190	-0.30		507.79	
					16+06.88	507.88	16.00	-0.0160	-0.26		507.62	NC

SUPERELEVATION TABLE
RAMP C - CURVE NO 2 & CONNECTOR - CURVE NO CON1

DESIGN AGENCY



DESIGNER
SJB
REVIEWER
MJR 06/21/24
PROJECT ID
114161
SHEET TOTAL
P.306 463

SUPERELEVATION TABLE - RAMP D - CURVE NO D1

PI STA 304+56.40

Dc = 03° 00' 00"

LEFT SIDE										BASELINE CONTROL		REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	
495.68		-0.19	-0.0160	12.00	495.87		0.19	0.0160	12.00	301+66.34	495.68	NC
495.90		-0.15	-0.0124	12.00	496.05		0.19	0.0160	12.00	301+75.00	495.86	
496.59		-0.02	-0.0020	12.00	496.61		0.19	0.0160	12.00	302+00.00	496.42	
496.72		0.00	0.0000	12.00	496.72		0.19	0.0160	12.00	302+04.74	496.53	FLAT
497.35		0.10	0.0084	12.00	497.24		0.19	0.0160	12.00	302+25.00	497.05	
497.94		0.19	0.0160	12.00	497.75		0.19	0.0160	12.00	302+43.14	497.56	RC
498.18		0.21	0.0174	12.00	497.97		0.21	0.0174	12.00	302+50.00	497.77	
499.10	200:1	0.27	0.0226	12.00	498.83		0.27	0.0226	12.00	302+75.00	498.56	
500.09		0.33	0.0278	12.00	499.76		0.33	0.0278	12.00	303+00.00	499.42	
500.53		0.36	0.0300	12.00	500.17	200:1	0.36	0.0300	12.00	303+10.34	499.81	PC
501.16		0.40	0.0331	12.00	500.77		0.40	0.0331	12.00	303+25.00	500.37	
502.31		0.46	0.0383	12.00	501.85		0.46	0.0383	12.00	303+50.00	501.39	
503.54		0.52	0.0435	12.00	503.02		0.52	0.0435	12.00	303+75.00	502.50	
503.91		0.54	0.0450	12.00	503.37		0.54	0.0450	12.00	303+82.34	502.83	FS
504.76		0.54	0.0450	12.00	504.22		0.54	0.0450	12.00	304+00.00	503.68	
505.97		0.54	0.0450	12.00	505.43		0.54	0.0450	12.00	304+25.00	504.89	
507.19		0.54	0.0450	12.00	506.65		0.54	0.0450	12.00	304+50.00	506.11	
508.41		0.54	0.0450	12.00	507.87		0.54	0.0450	12.00	304+75.00	507.33	
509.63		0.54	0.0450	12.00	509.09		0.54	0.0450	12.00	305+00.00	508.55	
510.85		0.54	0.0450	12.00	510.31		0.54	0.0450	12.00	305+25.00	509.77	
511.08		0.54	0.0450	12.00	510.54		0.54	0.0450	12.00	305+29.90	510.00	FS
511.96		0.49	0.0408	12.00	511.47		0.49	0.0408	12.00	305+50.00	510.98	
513.06		0.43	0.0356	12.00	512.63		0.43	0.0356	12.00	305+75.00	512.20	
514.15		0.36	0.0304	12.00	513.78		0.36	0.0304	12.00	306+00.00	513.42	
514.23		0.36	0.0300	12.00	513.87	200:1	0.36	0.0300	12.00	306+01.90	513.51	PT
515.24		0.30	0.0252	12.00	514.94		0.30	0.0252	12.00	306+25.00	514.64	
516.34	200:1	0.24	0.0200	12.00	516.10		0.24	0.0200	12.00	306+50.00	515.86	
517.17		0.19	0.0160	12.00	516.98		0.19	0.0160	12.00	306+69.10	516.79	RC
517.43		0.16	0.0135	12.00	517.27		0.19	0.0160	12.00	306+75.00	517.08	
518.49		0.04	0.0031	12.00	518.46		0.19	0.0160	12.00	307+00.00	518.26	
518.80		0.00	0.0000	12.00	518.80		0.19	0.0160	12.00	307+07.50	518.61	FLAT
519.50		-0.09	-0.0073	12.00	519.59		0.19	0.0160	12.00	307+25.00	519.40	
520.30		-0.19	-0.0160	12.00	520.49		0.19	0.0160	12.00	307+45.90	520.30	NC

SUPERELEVATION TABLE - RAMP D - CURVE NO D2

PI STA 321+95.12

Dc = 01° 45' 00"

LEFT SIDE										BASELINE CONTROL		REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	
533.08		-0.19	-0.0160	12.00	533.27		0.19	0.0160	12.00	317+65.49	533.08	NC
532.67		-0.14	-0.0120	12.00	532.81		0.19	0.0160	12.00	317+75.00	532.62	
531.59		-0.02	-0.0016	12.00	531.61		0.19	0.0160	12.00	318+00.00	531.42	
531.42		0.00	0.0000	12.00	531.42		0.19	0.0160	12.00	318+03.89	531.23	FLAT
530.51		0.11	0.0088	12.00	530.40		0.19	0.0160	12.00	318+25.00	530.21	
529.76	200:1	0.19	0.0160	12.00	529.57		0.19	0.0160	12.00	318+42.29	529.38	RC
529.43		0.21	0.0176	12.00	529.22		0.21	0.0176	12.00	318+50.00	529.00	
528.65		0.26	0.0213	12.00	528.40	200:1	0.26	0.0213	12.00	318+67.89	528.14	PC
528.34		0.27	0.0228	12.00	528.07		0.27	0.0228	12.00	318+75.00	527.80	
527.26		0.34	0.0280	12.00	526.93		0.34	0.0280	12.00	319+00.00	526.59	
526.44		0.38	0.0320	12.00	526.05		0.38	0.0320	12.00	319+19.09	525.67	FS
526.15		0.38	0.0320	12.00	525.77		0.38	0.0320	12.00	319+25.00	525.39	
524.95		0.38	0.0320	12.00	524.56		0.38	0.0320	12.00	319+50.00	524.18	
523.74		0.38	0.0320	12.00	523.36		0.38	0.0320	12.00	319+75.00	522.97	
522.53		0.38	0.0320	12.00	522.15		0.38	0.0320	12.00	320+00.00	521.77	
521.33		0.38	0.0320	12.00	520.94		0.38	0.0320	12.00	320+25.00	520.56	
520.12		0.38	0.0320	12.00	519.74		0.38	0.0320	12.00	320+50.00	519.35	
518.92		0.38	0.0320	12.00	518.53		0.38	0.0320	12.00	320+75.00	518.15	
517.77		0.38	0.0320	12.00	517.38		0.38	0.0320	12.00	321+00.00	517.00	
516.73		0.38	0.0320	11.93	516.35		0.38	0.0320	12.00	321+25.00	515.97	
515.81		0.37	0.0320	11.59	515.44		0.38	0.0320	12.00	321+50.00	515.05	
515.00		0.36	0.0320	11.26	514.64		0.38	0.0320	12.00	321+75.00	514.26	
514.31		0.35	0.0320	10.93	513.96		0.38	0.0320	12.00	322+00.00	513.58	
513.73		0.34	0.0320	10.59	513.40		0.38	0.0320	12.00	322+25.00	513.01	
513.28		0.33	0.0320	10.26	512.95		0.38	0.0320	12.00	322+50.00	512.56	
512.93		0.32	0.0320	9.93	512.62		0.38	0.0320	12.00	322+75.00	512.23	
512.39		0.31	0.0320	9.60	512.08		0.38	0.0320	12.00	323+00.00	511.70	
512.18		0.30	0.0320	9.26	511.88		0.38	0.0320	12.00	323+25.00	511.50	
512.02		0.29	0.0320	8.93	511.73		0.38	0.0320	12.00	323+50.00	511.35	
511.92		0.28	0.0320	8.60	511.64		0.38	0.0320	12.00	323+75.00	511.26	
512.07		0.26	0.0320	8.26	511.80		0.38	0.0320	12.00	324+00.00	511.42	
512.26		0.25	0.0320	7.93	512.00		0.38	0.0320	12.00	324+25.00	511.62	
512.50		0.24	0.0320	7.60	512.25		0.38	0.0320	12.00	324+50.00	511.87	
512.79		0.23	0.0320	7.27	512.55		0.38	0.0320	12.00	324+75.00	512.17	
513.12		0.22	0.0320	6.93	512.89		0.38	0.0320	12.00	325+00.00	512.51	
513.42		0.21	0.0320	6.66	513.20		0.38	0.0320	12.00	325+20.18	512.82	CS/FS
513.48		0.21	0.0317	6.60	513.27		0.38	0.0317	12.00	325+25.00	512.89	
513.81		0.19	0.0302	6.27	513.62		0.36	0.0302	12.00	325+50.00	513.26	
514.18		0.17	0.0287	5.93	514.01		0.34	0.0287	12.00	325+75.00	513.67	
514.61		0.15	0.0272	5.60	514.46		0.33	0.0272	12.00	326+00.00	514.13	
515.08	694:1	0.14	0.0257	5.27	514.95		0.31	0.0257	12.00	326+25.00	514.64	
515.61		0.12	0.0242	4.93	515.49		0.29	0.0242	12.00	326+50.00	515.20	
516.19		0.10	0.0227	4.60	516.08		0.27	0.0227	12.00	326+75.00	515.81	
516.82		0.09	0.0212	4.27	516.72		0.25	0.0212	12.00	327+00.00	516.47	
517.35		0.08	0.0200	4.00	517.27		0.24	0.0200	12.00	327+20.18	517.03	ST/NC

SUPERELEVATION TABLE
RAMP D - CURVE NO 1 & NO 2

DESIGN AGENCY



DESIGNER
SJB

REVIEWER
MJR 06/21/24

PROJECT ID
114161

SHEET TOTAL
P.307 463

SUPERELEVATION TABLE - RAMP G - CURVE NO G2

PI STA 506+18.38

Dc = 03° 00' 00"

LEFT SIDE					BASELINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
					504+48.18	493.98	16.00	-0.0160	-0.26		493.72	NC
					504+50.00	494.19	16.00	-0.0153	-0.24		493.95	FLAT
					504+89.31	494.19	16.00	0.0000	0.00		494.19	
					505+00.00	494.26	16.00	0.0041	0.07	161:1	494.33	
					505+25.00	494.47	16.00	0.0138	0.22		494.69	
					505+37.82	494.60	16.00	0.0188	0.30		494.90	PC
					505+50.00	494.74	16.00	0.0235	0.38		495.12	
					505+61.52	494.88	16.00	0.0280	0.45		495.33	FS
					505+75.00	495.06	16.00	0.0280	0.45		495.51	
					506+00.00	495.44	16.00	0.0280	0.45		495.89	
					506+25.00	495.88	16.00	0.0280	0.45		496.33	
					506+50.00	496.37	16.00	0.0280	0.45		496.82	
					506+74.89	496.92	16.00	0.0280	0.45		497.37	FS
					506+75.00	496.92	16.00	0.0280	0.45		497.37	
					506+98.85	497.50	16.00	0.0187	0.30	161:1	497.80	PT
					507+00.00	497.53	16.00	0.0183	0.29		497.82	
					507+05.81	497.68	16.00	0.0160	0.26		497.94	NC

SUPERELEVATION TABLE - RAMP G - CURVE NO G3

PI STA 511+88.54

Dc = 02° 30' 00"

LEFT SIDE					BASELINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
					507+50.17	498.91	16.00	0.0160	0.26		499.17	NC
					507+75.00	499.68	16.00	0.0082	0.13		499.81	
					508+00.00	500.51	16.00	0.0004	0.01		500.52	
					508+01.37	500.56	16.00	0.0000	0.00	200:1	500.56	FLAT
					508+25.00	501.40	16.00	-0.0074	-0.12		501.28	
					508+50.00	502.35	16.00	-0.0152	-0.24		502.10	
					508+52.57	502.45	16.00	-0.0160	-0.26		502.19	NC
					508+75.00	503.35	16.00	-0.0230	-0.37		502.98	
					508+86.81	503.84	16.00	-0.0267	-0.43		503.41	PC
					509+00.00	504.38	16.00	-0.0308	-0.49		503.89	
					509+25.00	505.41	16.00	-0.0386	-0.62		504.79	
					509+29.37	505.59	16.00	-0.0400	-0.64		504.95	FS
					509+50.00	506.44	16.00	-0.0400	-0.64		505.80	
					509+75.00	507.47	16.00	-0.0400	-0.64		506.83	
					510+00.00	508.50	16.00	-0.0400	-0.64		507.86	
					510+25.00	509.53	16.00	-0.0400	-0.64		508.89	
					510+50.00	510.56	16.00	-0.0400	-0.64		509.92	
					510+75.00	511.59	16.00	-0.0400	-0.64		510.95	
					511+00.00	512.62	16.00	-0.0400	-0.64		511.98	
					511+25.00	513.65	16.00	-0.0400	-0.64		513.01	
					511+50.00	514.68	16.00	-0.0400	-0.64		514.04	
					511+75.00	515.71	16.00	-0.0400	-0.64		515.07	
					512+00.00	516.74	16.00	-0.0400	-0.64		516.10	
					512+25.00	517.75	16.00	-0.0400	-0.64		517.11	
					512+50.00	518.71	16.00	-0.0400	-0.64		518.07	
					512+75.00	519.62	16.00	-0.0400	-0.64		518.98	
					513+00.00	520.49	16.00	-0.0400	-0.64		519.85	
					513+25.00	521.31	16.00	-0.0400	-0.64		520.67	
					513+50.00	522.09	16.00	-0.0400	-0.64		521.45	
					513+75.00	522.82	16.00	-0.0400	-0.64		522.18	
					514+00.00	523.50	16.00	-0.0400	-0.64		522.86	
					514+25.00	524.14	16.00	-0.0400	-0.64		523.50	
					514+50.00	524.73	16.00	-0.0400	-0.64		524.09	
					514+75.00	525.28	16.00	-0.0400	-0.64		524.64	
					514+78.81	525.36	16.00	-0.0400	-0.64		524.72	FS
					514+86.81	525.52	16.00	-0.0425	-0.68	200:1	524.84	PCC
					514+94.81	525.68	16.00	-0.0450	-0.72		524.96	FS

**SUPERELEVATION TABLE
RAMP G - CURVE NO 2 & NO 3**

DESIGN AGENCY



DESIGNER
SJB
REVIEWER
MJR 06/21/24
PROJECT ID
114161
SHEET TOTAL
P.308 463

SUPERELEVATION TABLE - RAMP G - CURVE NO G4

PI STA 517+86.50

Dc = 03° 00' 00"

LEFT SIDE					BASELINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
					520+00.00	526.42	16.00	-0.0450	-0.72	200:1	525.70	
					520+25.00	526.16	16.00	-0.0450	-0.72		525.44	
					520+33.34	526.07	16.00	-0.0450	-0.72		525.35	FS
					520+50.00	525.90	16.00	-0.0398	-0.64		525.26	
					520+75.00	525.63	16.00	-0.0320	-0.51		525.12	
					520+81.34	525.57	16.00	-0.0300	-0.48		525.09	PT
					521+00.00	525.37	16.00	-0.0242	-0.39		524.98	
					521+25.00	525.11	16.00	-0.0164	-0.26		524.85	
					521+26.14	525.10	16.00	-0.0160	-0.26		524.84	RC

SUPERELEVATION TABLE - RAMP G - CURVE NO G5

PI STA 526+52.47

Dc = 01° 30' 00"

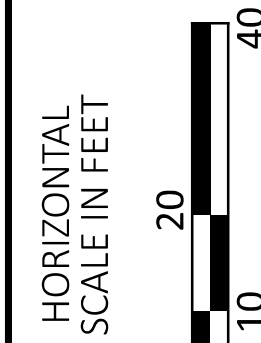
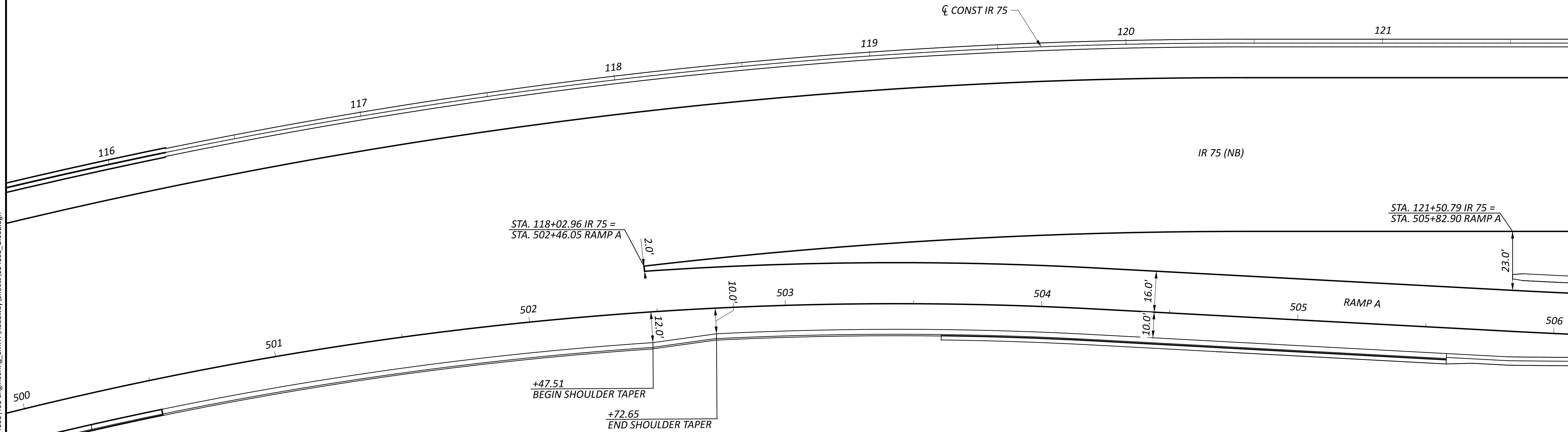
LEFT SIDE					BASELINE CONTROL		RIGHT SIDE					REMARKS
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE	WIDTH	CROSS SLOPE	ELEVATION CORRECTION	TRANSITION RATE	EDGE ELEVATION	
					526+36.47	521.86	16.00	-0.0160	-0.26	200:1	521.60	NC
					526+50.00	521.79	16.00	-0.0202	-0.32		521.47	
					526+74.87	521.67	16.00	-0.0280	-0.45		521.22	PC
					527+00.00	521.54	16.00	-0.0359	-0.57		520.97	
					527+19.67	521.44	16.00	-0.0420	-0.67		520.77	FS
					527+25.00	521.42	16.00	-0.0420	-0.67	520.75		
					527+50.00	521.29	16.00	-0.0420	-0.67	520.62		
					527+75.00	521.17	16.00	-0.0420	-0.67	520.50		
					528+00.00	521.04	16.00	-0.0420	-0.67	520.37		
					528+25.00	520.92	16.00	-0.0420	-0.67	520.25		
					528+27.19	520.91	16.00	-0.0420	-0.67	520.24	FS	
					528+50.00	520.79	16.00	-0.0349	-0.56	520.23		
					528+71.99	520.68	16.00	-0.0280	-0.45	520.23	PT	
					528+75.00	520.67	16.00	-0.0271	-0.43	520.24		
					529+00.00	520.54	16.00	-0.0192	-0.31	520.23		
					529+10.39	520.49	16.00	-0.0160	-0.26	520.23	NC	

**SUPERELEVATION TABLE
RAMP G - CURVE NO 4 & NO 5**

DESIGN AGENCY



DESIGNER
SJB
 REVIEWER
MJR 06/21/24
 PROJECT ID
114161
 SHEET TOTAL
P.309 463



RAMP TERMINAL DETAILS
IR 75 AND RAMP A

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

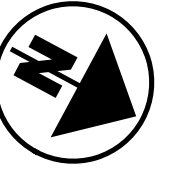
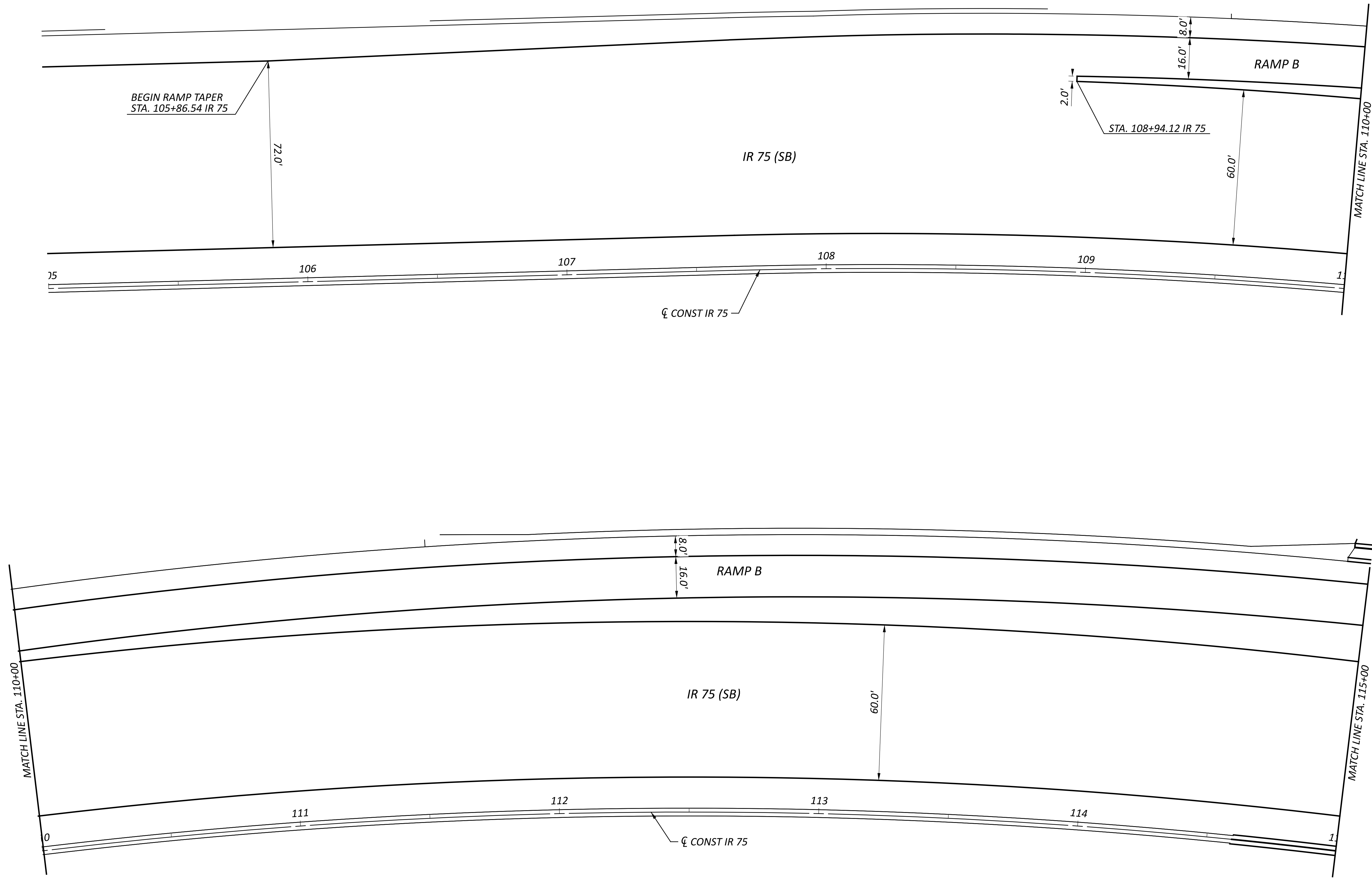
MJR 06/21/24

PROJECT ID

114161

SHEET TOTAL

P.310 463



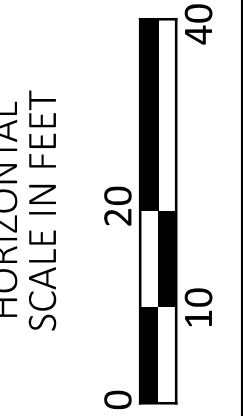
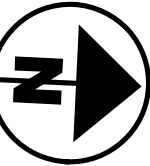
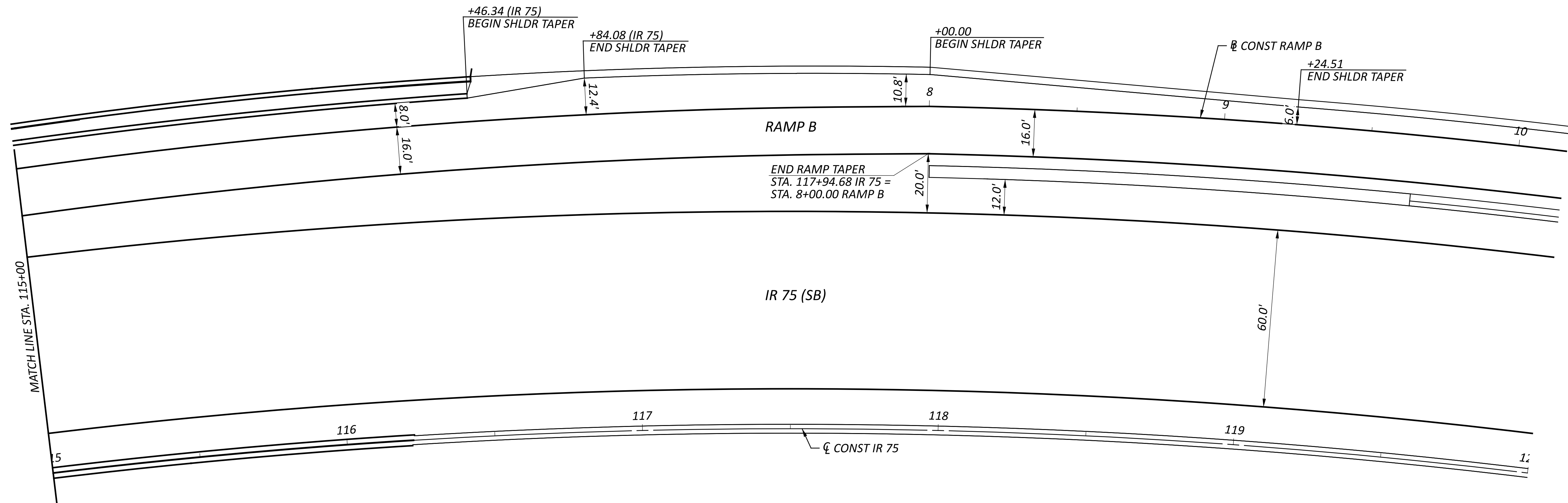
RAMP TERMINAL DETAILS
IR 75 AND RAMP B

DESIGN AGENCY



DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET TOTAL	P.311 463



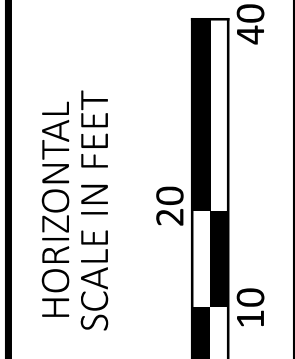
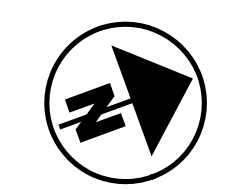
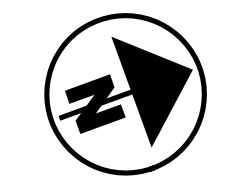
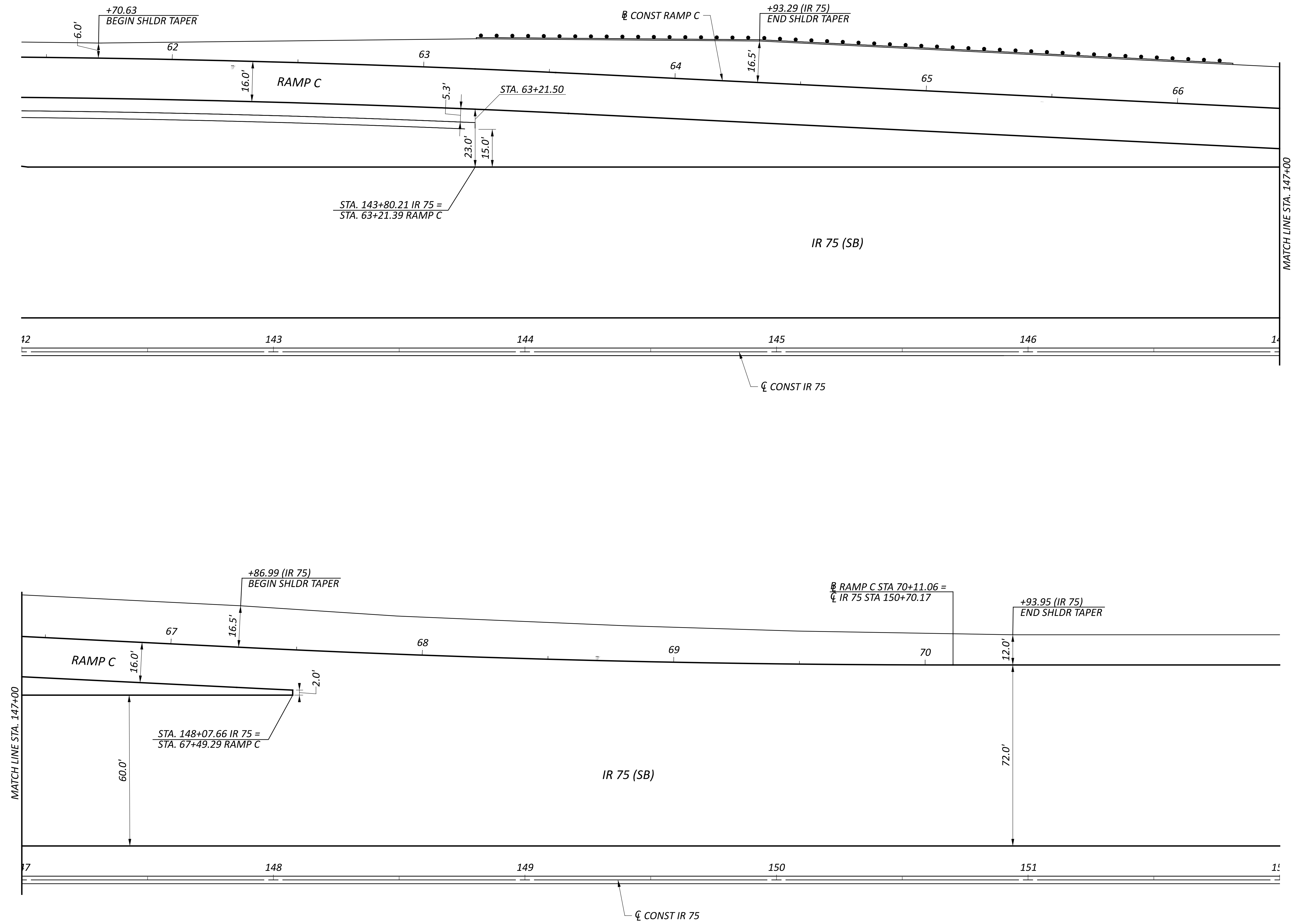


RAMP TERMINAL DETAILS
IR 75 AND RAMP B

DESIGN AGENCY



DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	TOTAL
P.312	463



RAMP TERMINAL DETAILS
 IR 75 AND RAMP C

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

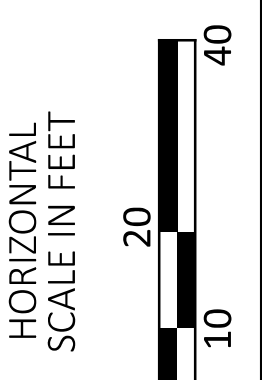
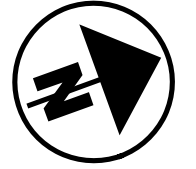
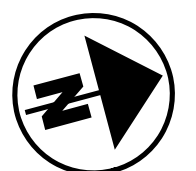
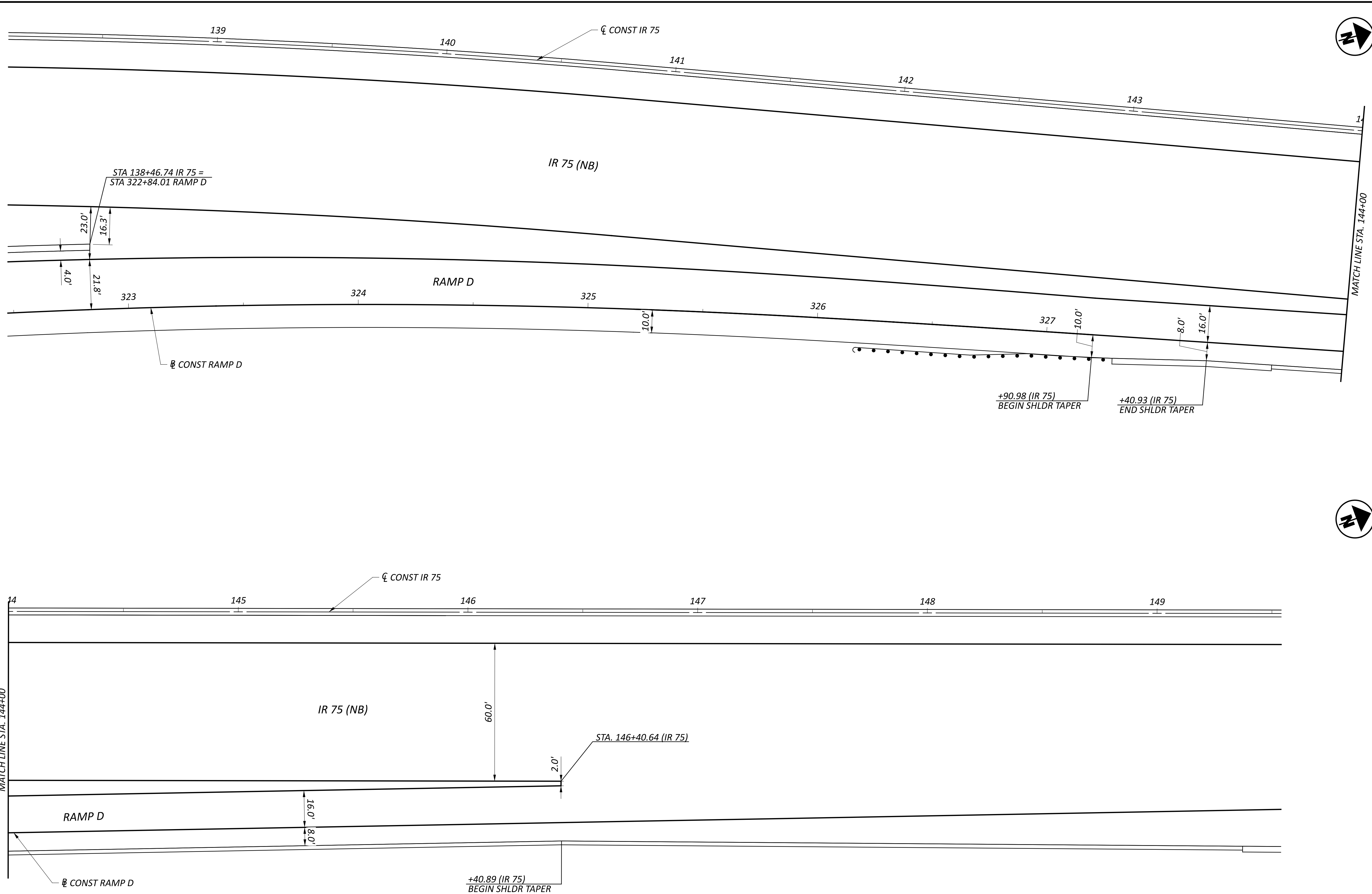
MJR 06/21/24

PROJECT ID

114161

SHEET TOTAL

P.313 463



RAMP TERMINAL DETAILS
IR 75 AND RAMP D

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

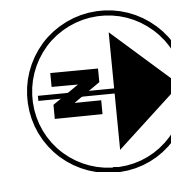
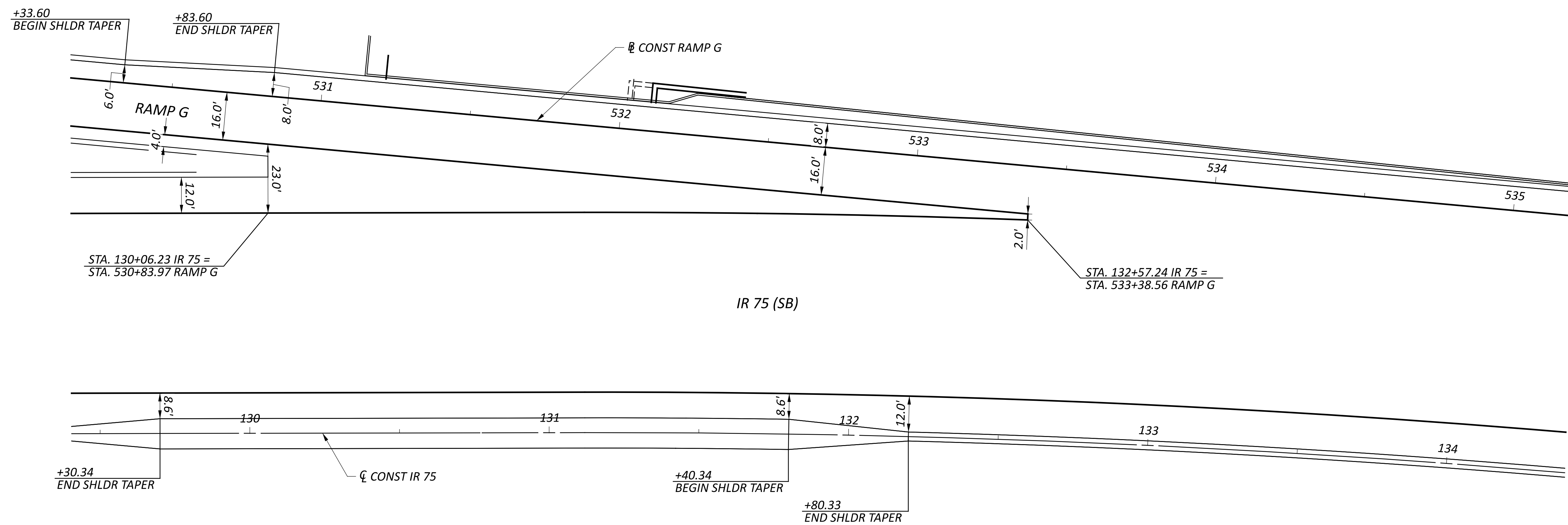
MJR 06/21/24

PROJECT ID

114161

SHEET TOTAL

P.314 463



RAMP TERMINAL DETAILS
IR 75 AND RAMP G

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

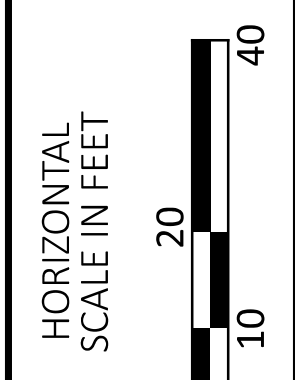
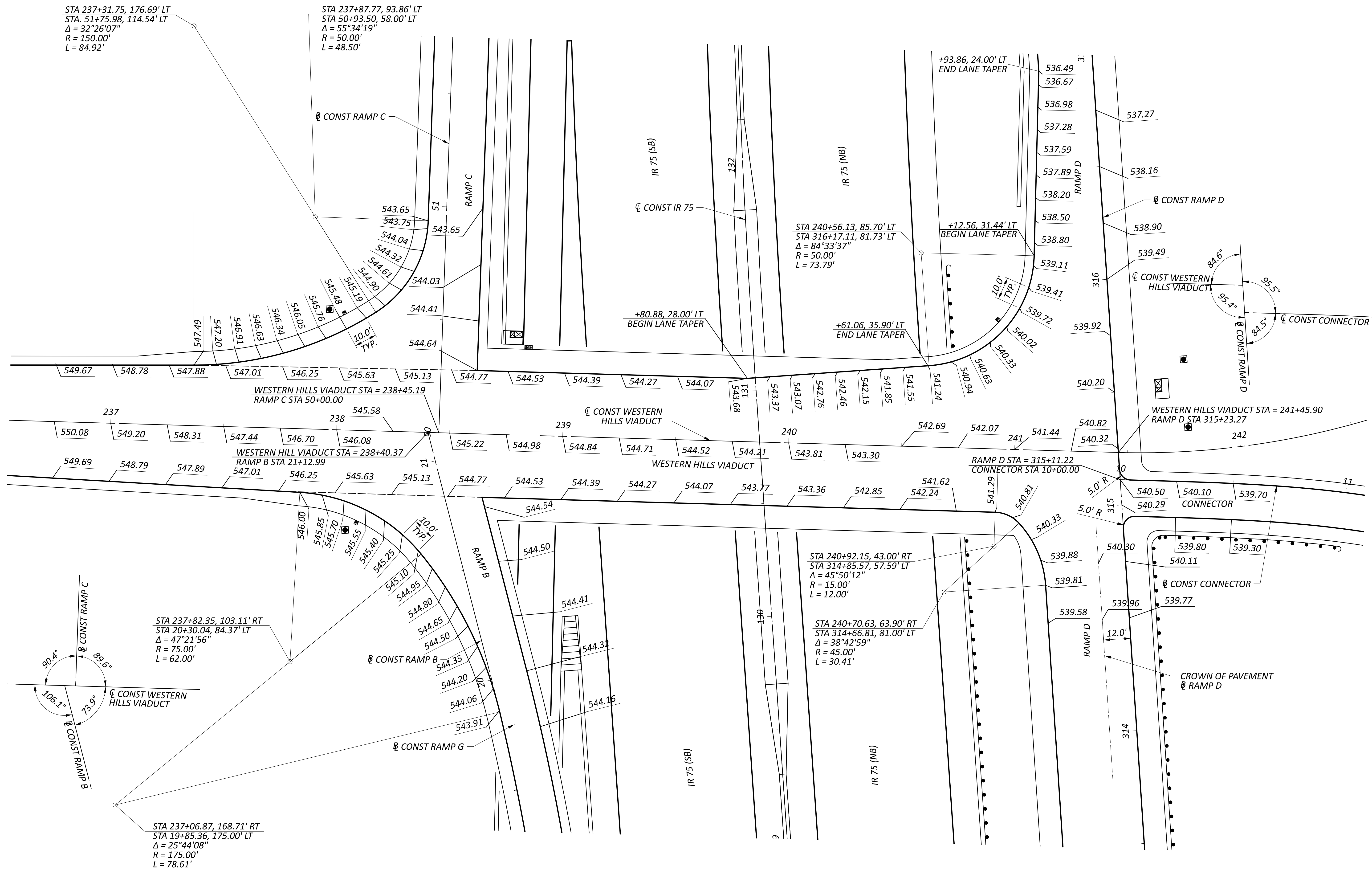
MJR 06/21/24

PROJECT ID

114161

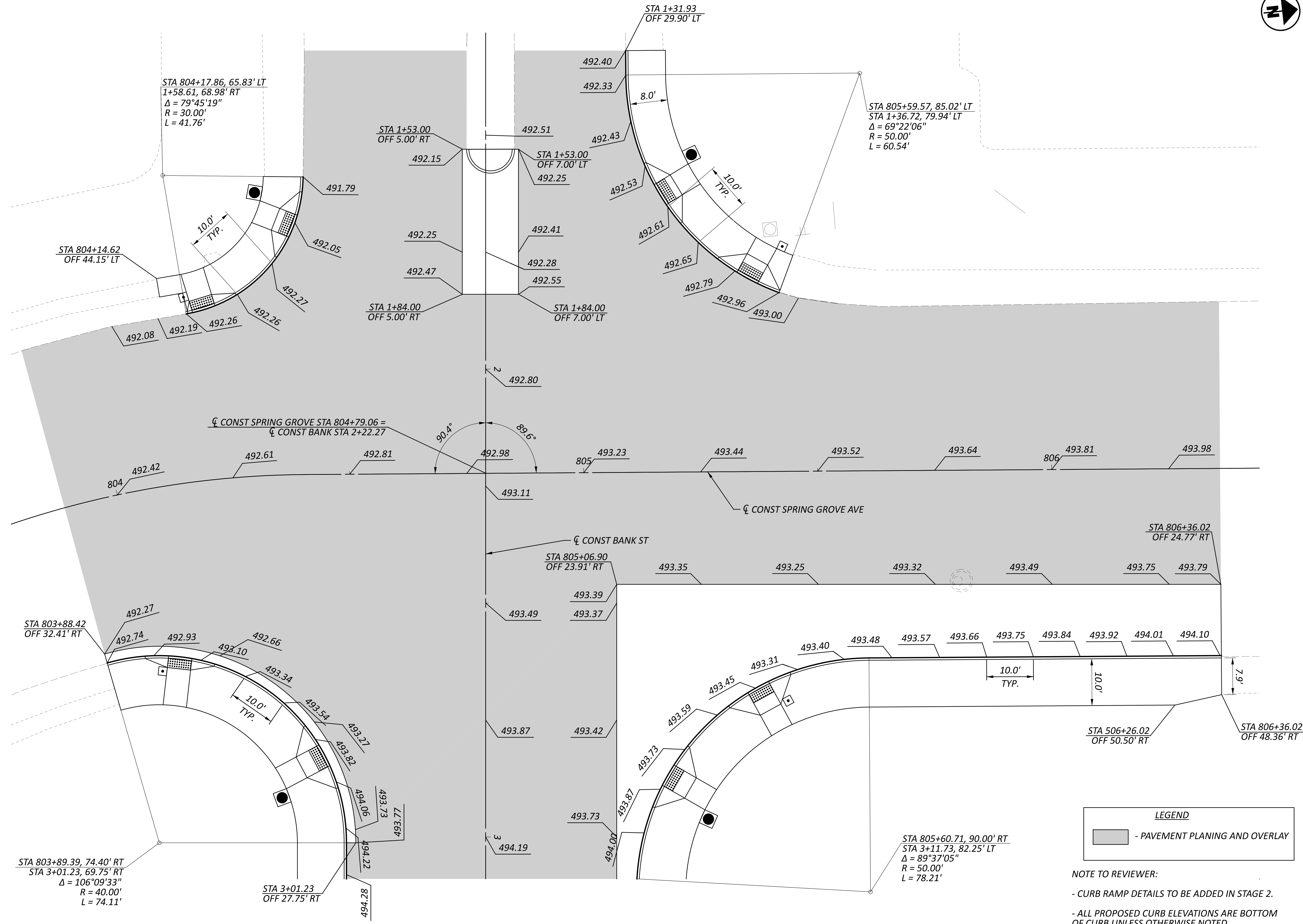
SHEET TOTAL

P.315 463



INTERSECTION DETAILS
WESTERN HILLS VIADUCT AND RAMPS A, B, C & D

DESIGN AGENCY	EMHT
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET TOTAL	P.316 463

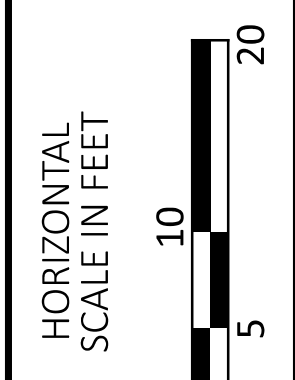


LEGEND

- PAVEMENT PLANNING AND OVERLAY

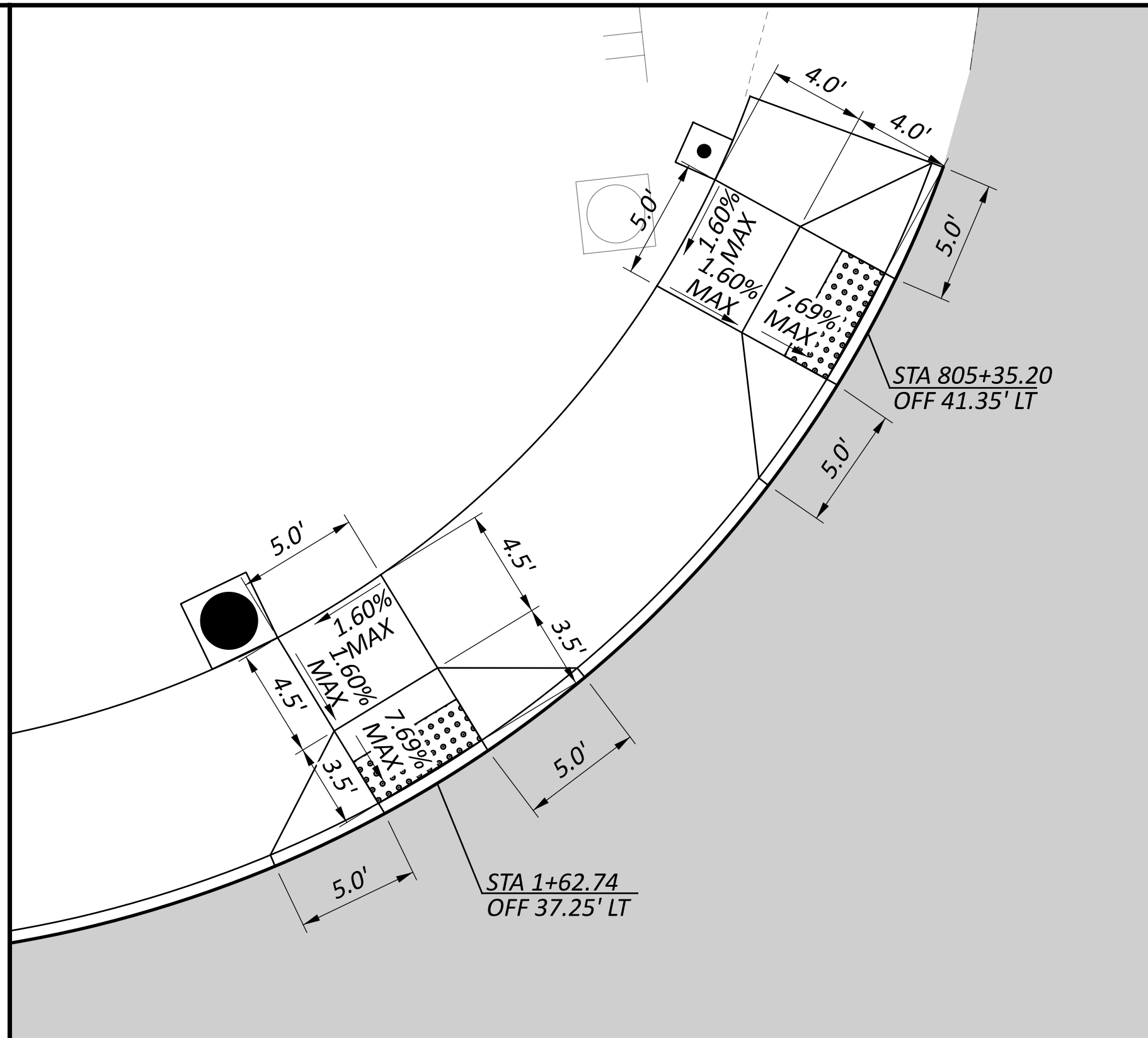
NOTE TO REVIEWER:

- CURB RAMP DETAILS TO BE ADDED IN STAGE 2.
- ALL PROPOSED CURB ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED

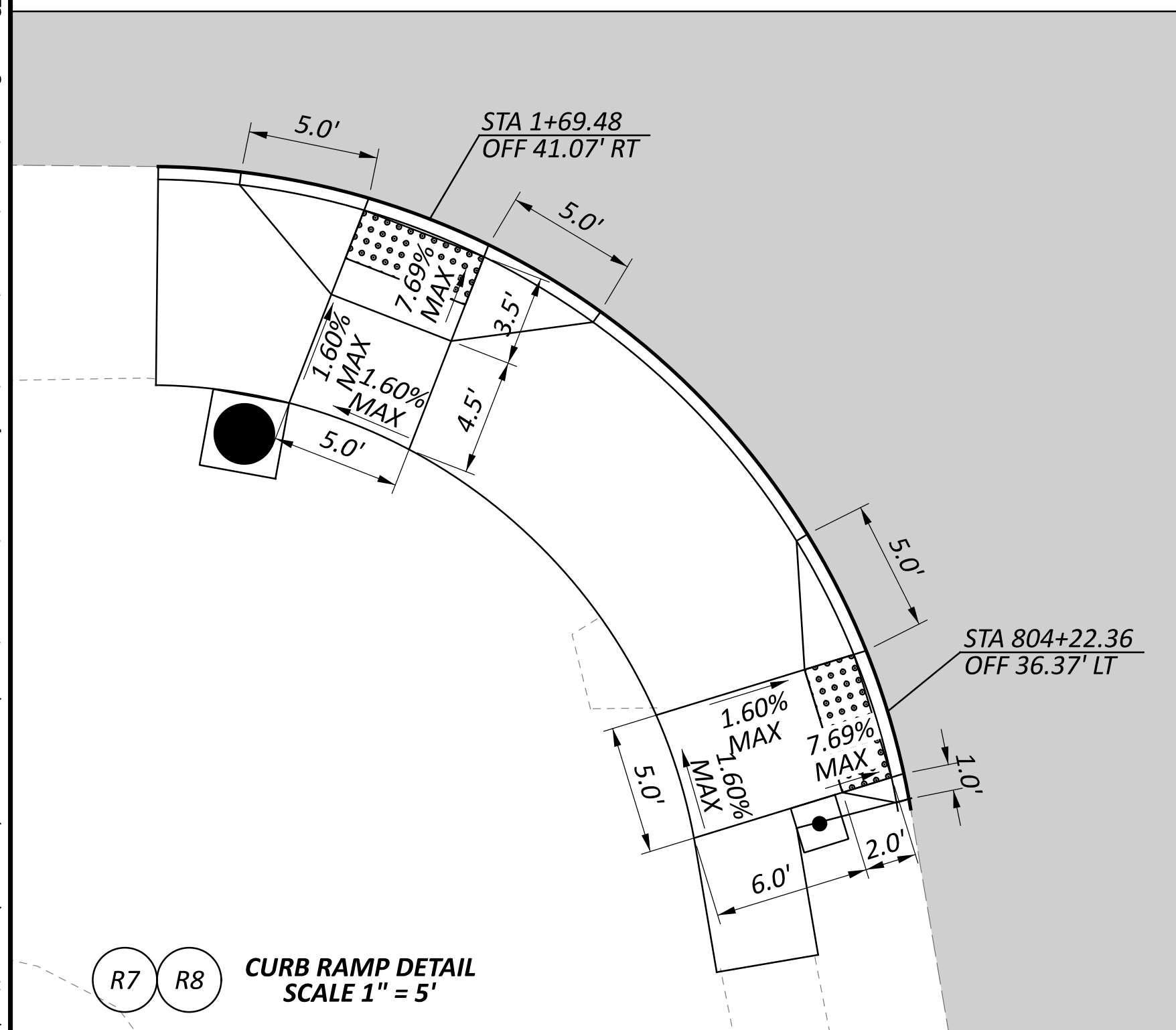


INTERSECTION DETAILS
BANK ST AND SPRING GROVE AVE/DALTON AVE

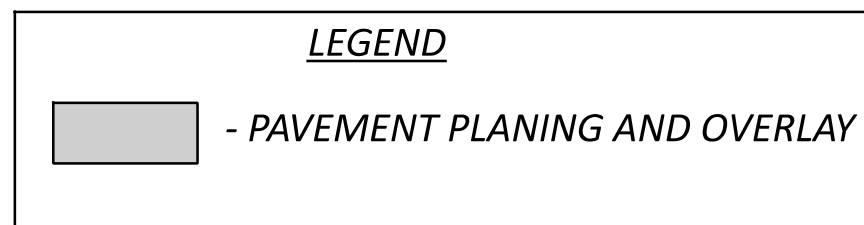
DESIGN AGENCY	
EMHT	
DESIGNER	
SJB	
REVIEWER	
MJR 06/21/24	
PROJECT ID	
114161	
SHEET	TOTAL
P.317	463



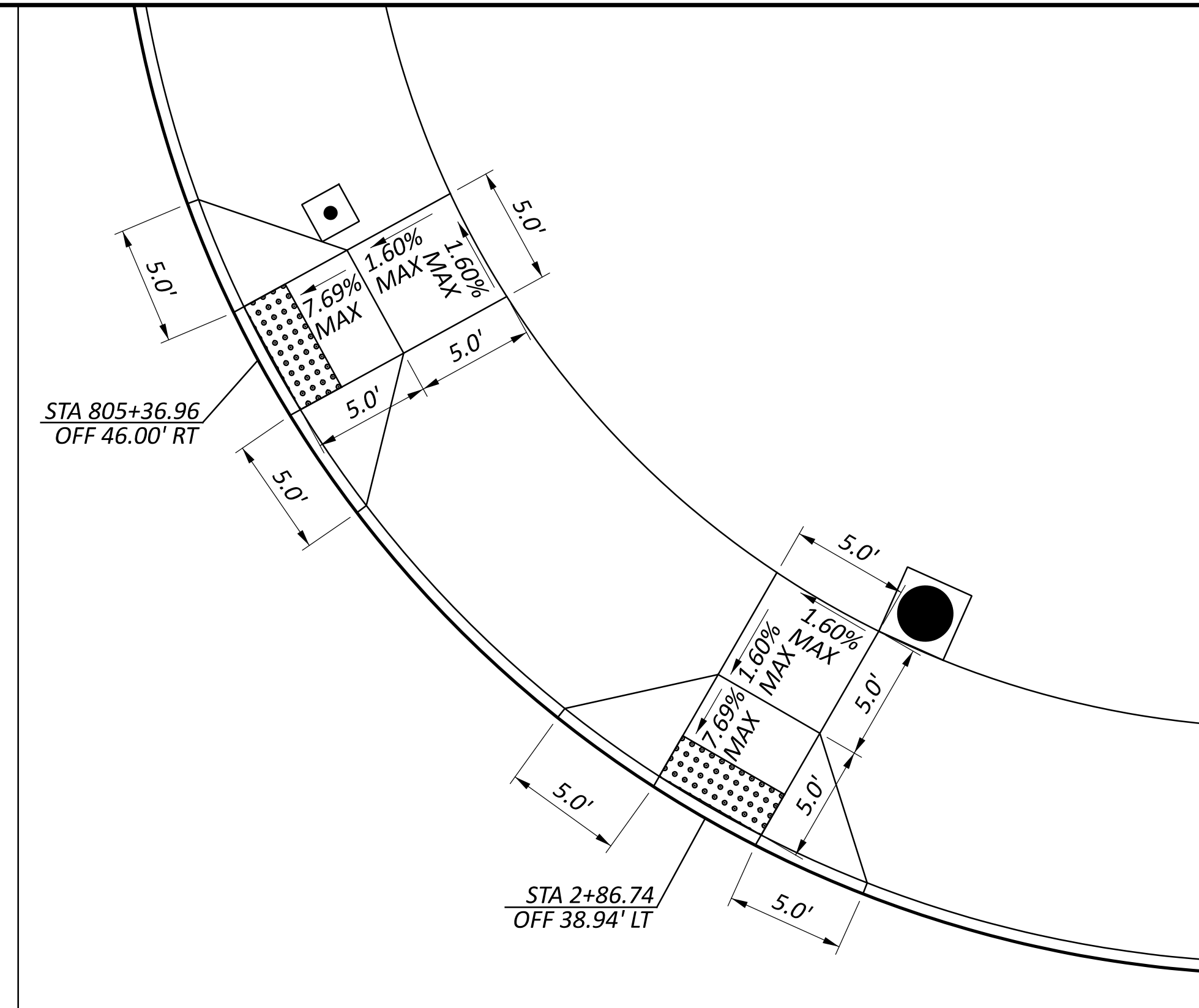
R1 R2 CURB RAMP DETAIL
SCALE 1" = 5'



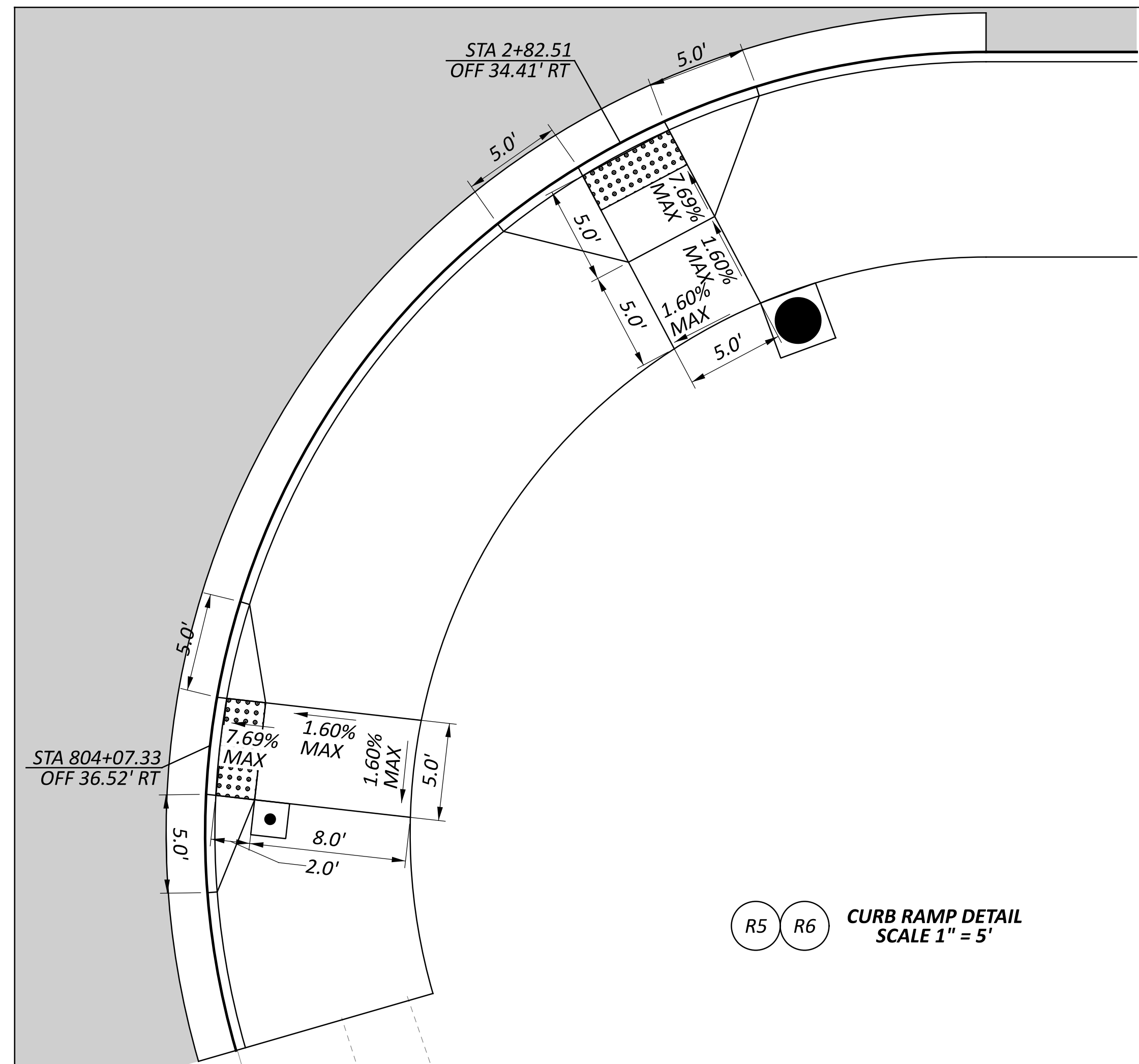
R7 R8 CURB RAMP DETAIL
SCALE 1" = 5'



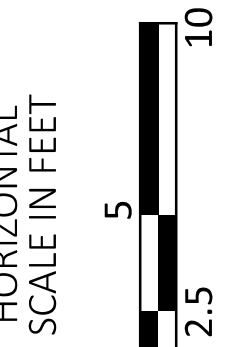
NOTE TO REVIEWER:
 - CURB RAMP DETAILS TO BE ADDED IN STAGE 2.
 - ALL PROPOSED CURB ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED



R3 R4 CURB RAMP DETAIL
SCALE 1" = 5'



R5 R6 CURB RAMP DETAIL
SCALE 1" = 5'



INTERSECTION DETAILS
BANK ST AND SPRING GROVE AVE/DALTON AVE

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

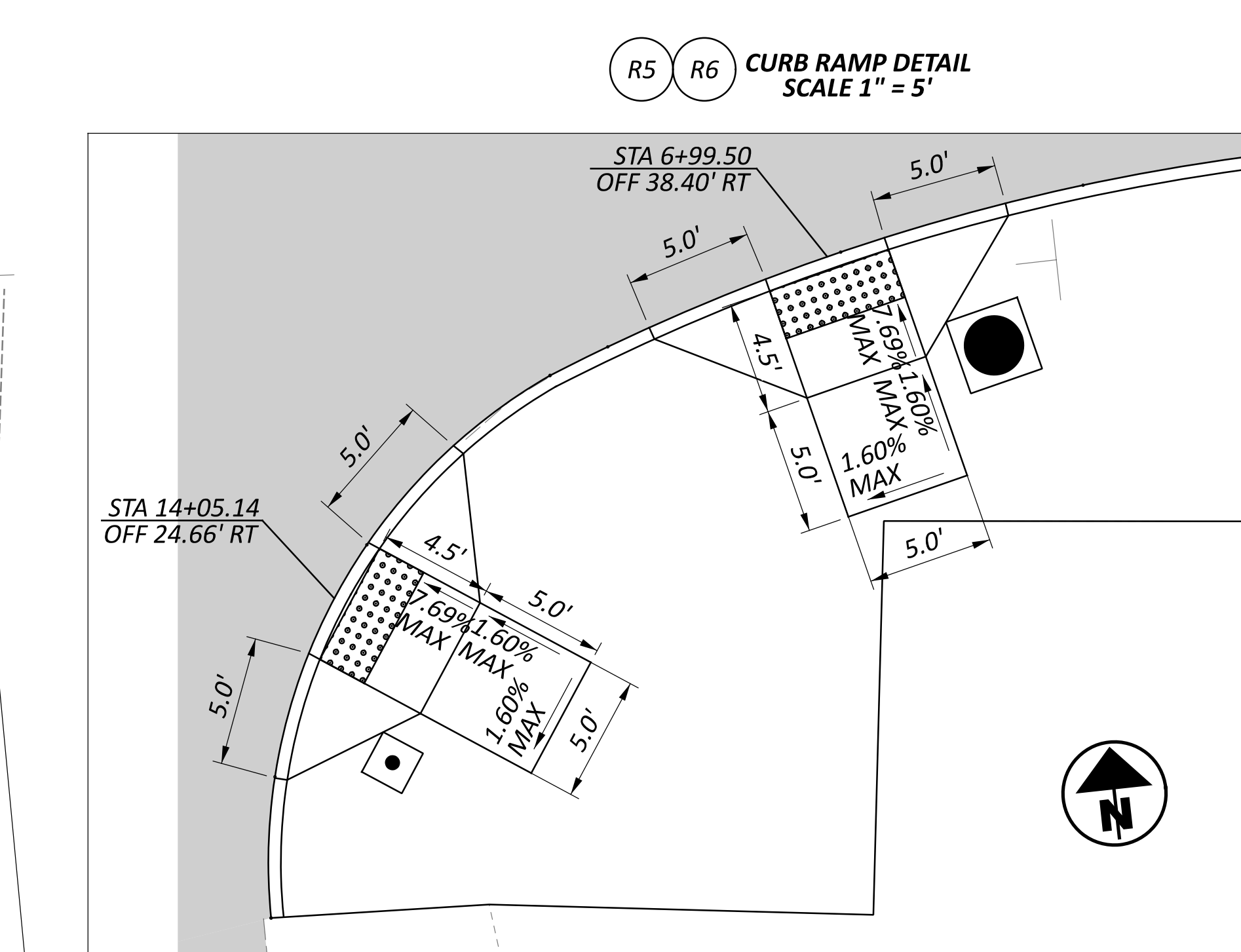
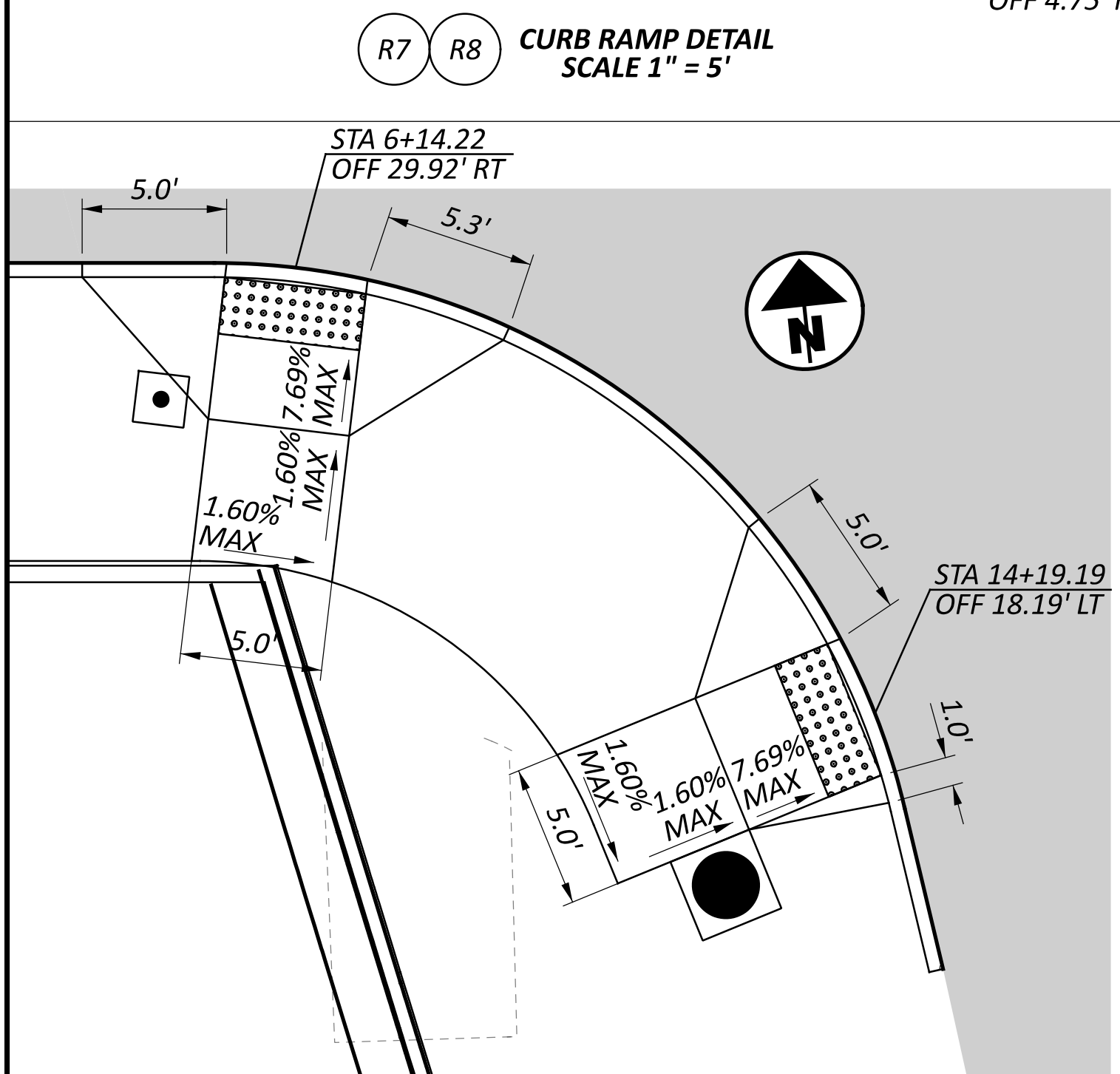
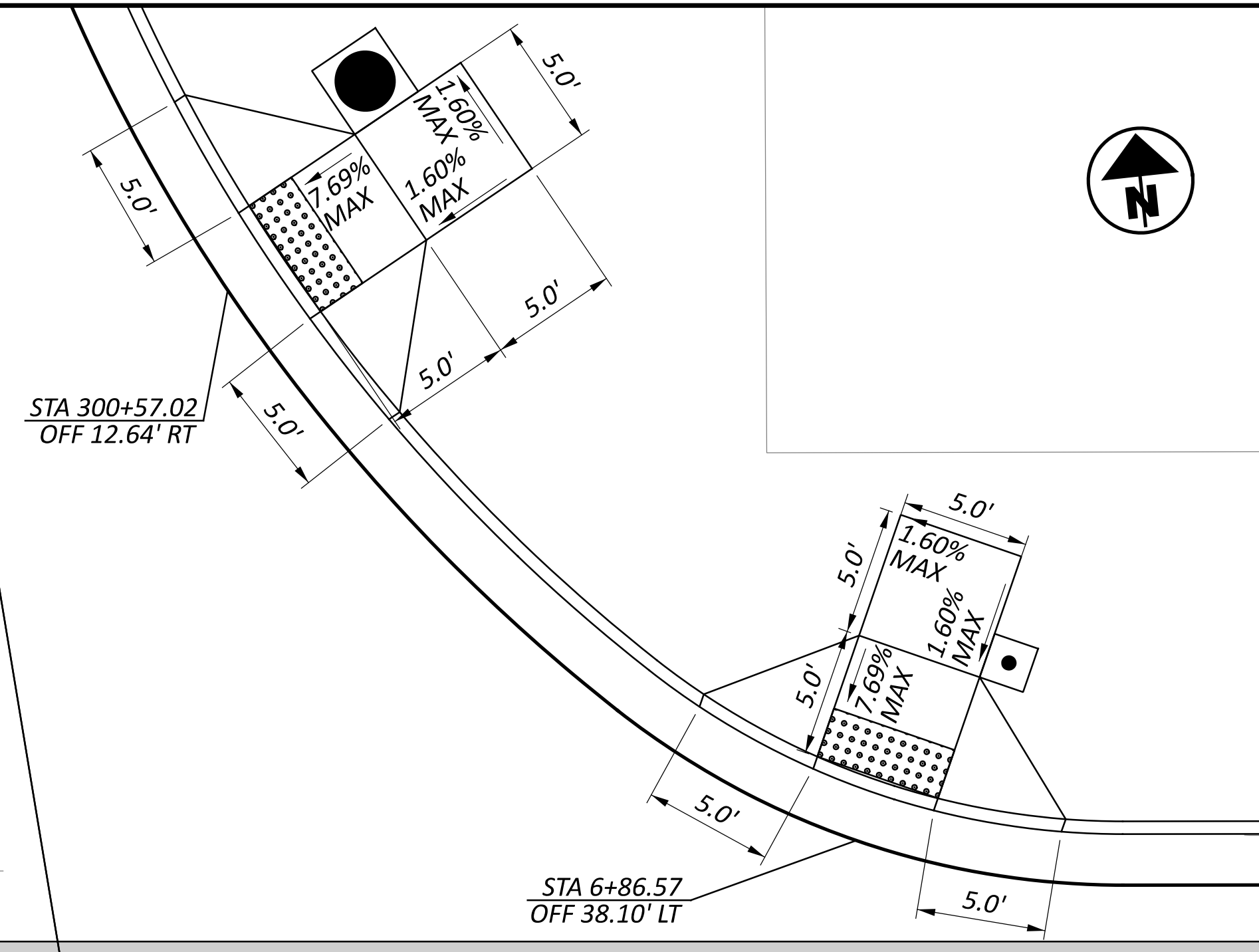
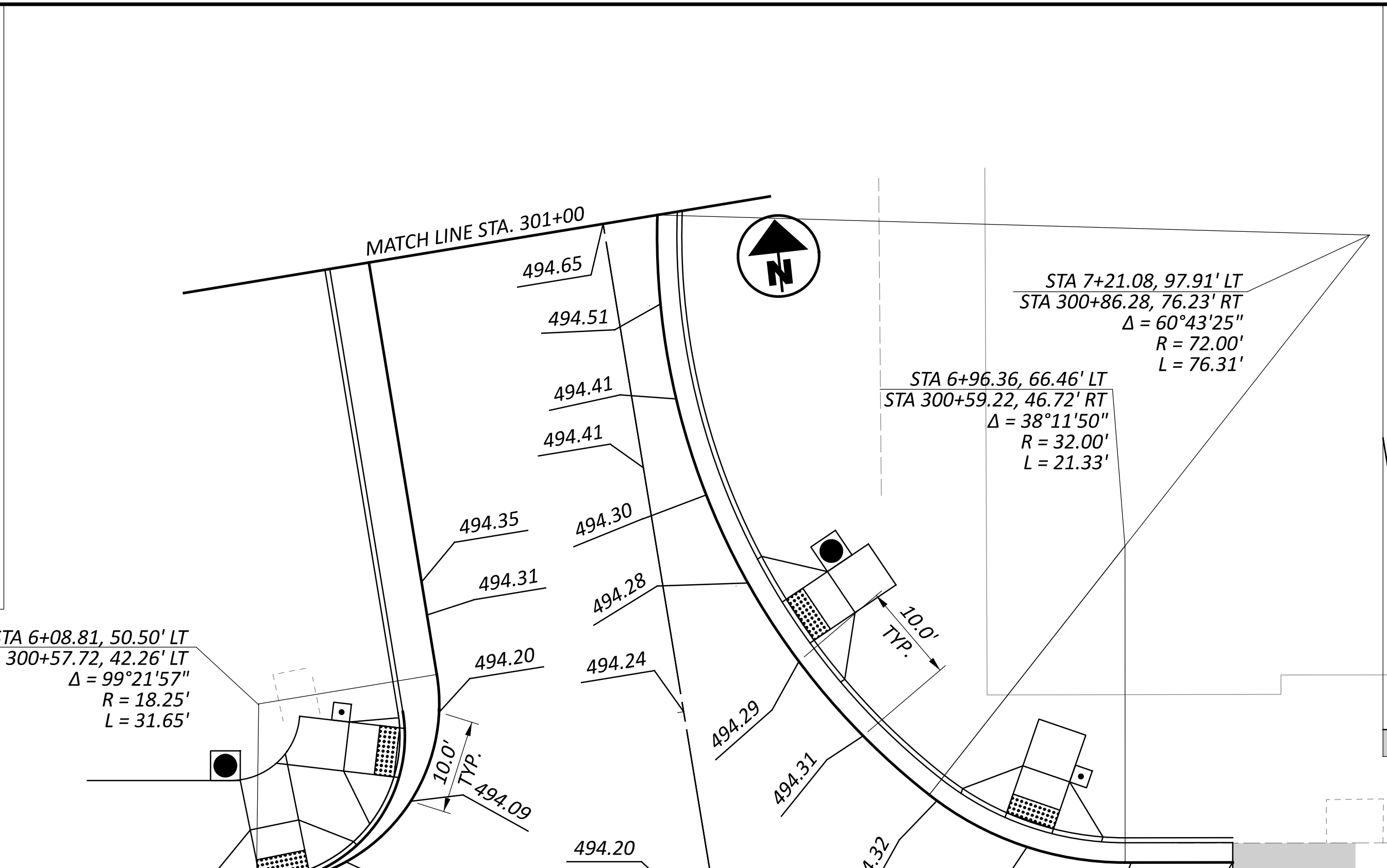
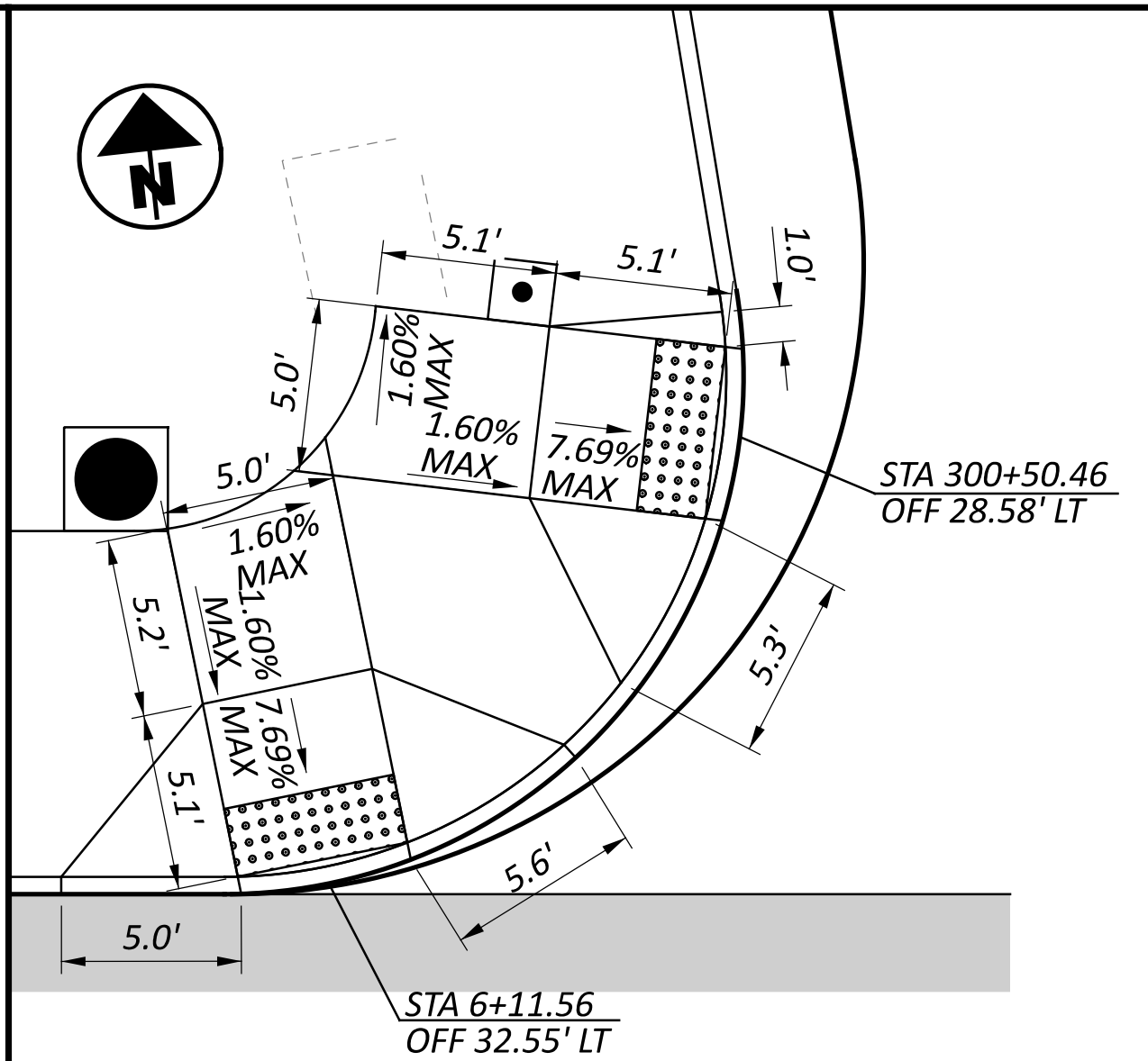
MJR 06/21/24

PROJECT ID

114161

SHEET TOTAL

P.318 463

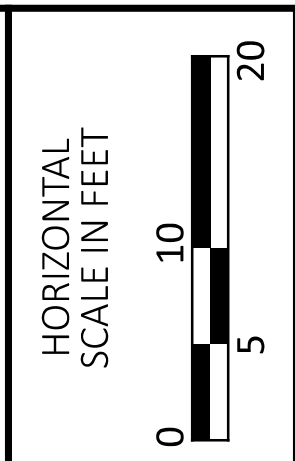


LEGEND

- PAVEMENT PLANING AND OVERLAY

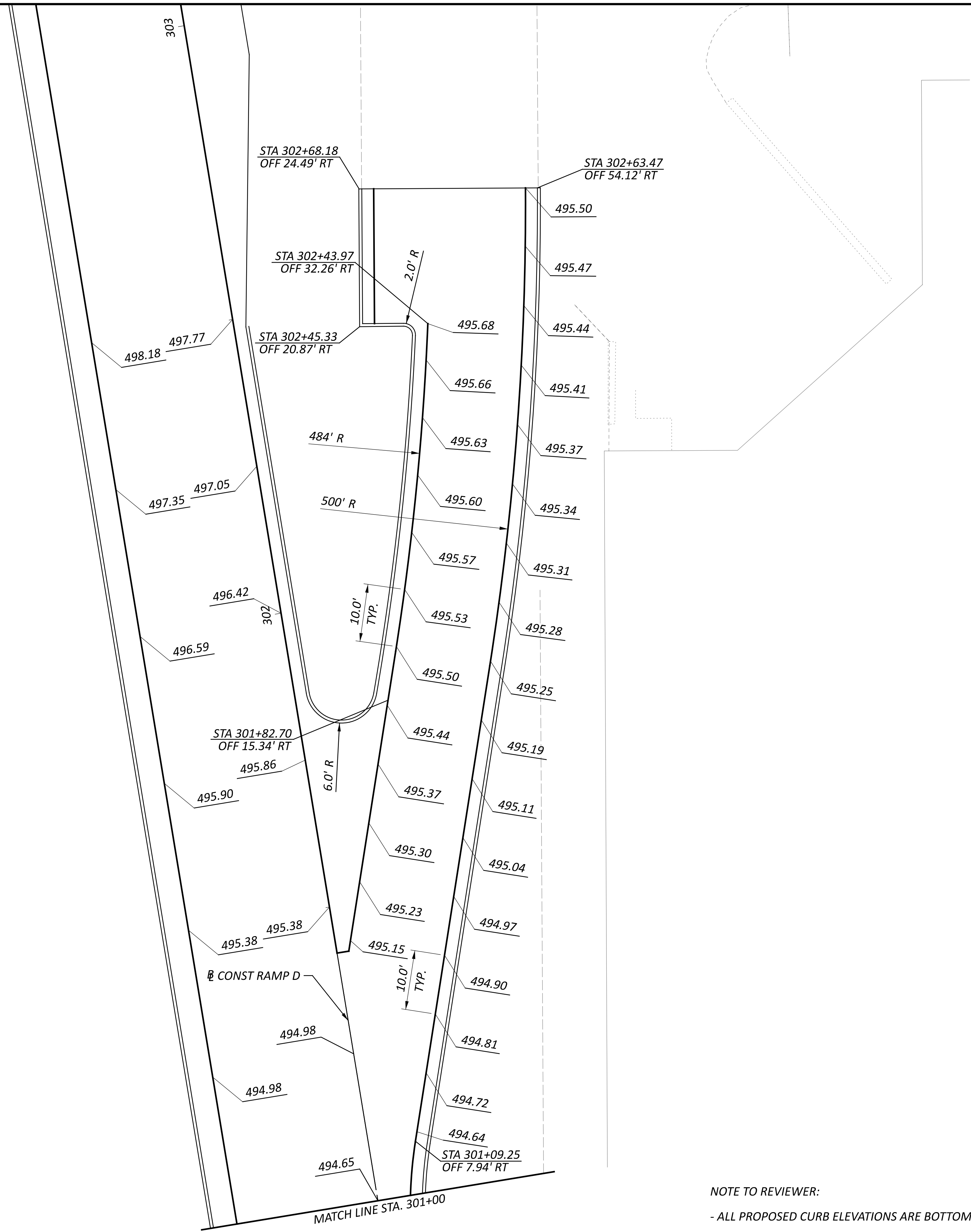
NOTE TO REVIEWER:

- CURB RAMP DETAILS TO BE ADDED IN STAGE 2.
- ALL PROPOSED CURB ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED

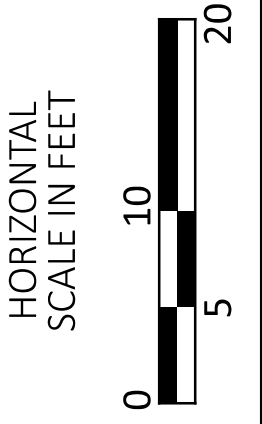
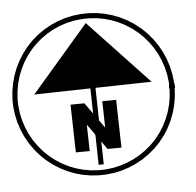


INTERSECTION DETAILS
BANK ST AND WINCHELL AVE/RAMP D

DESIGN AGENCY	EMHT
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET TOTAL	P.319 463

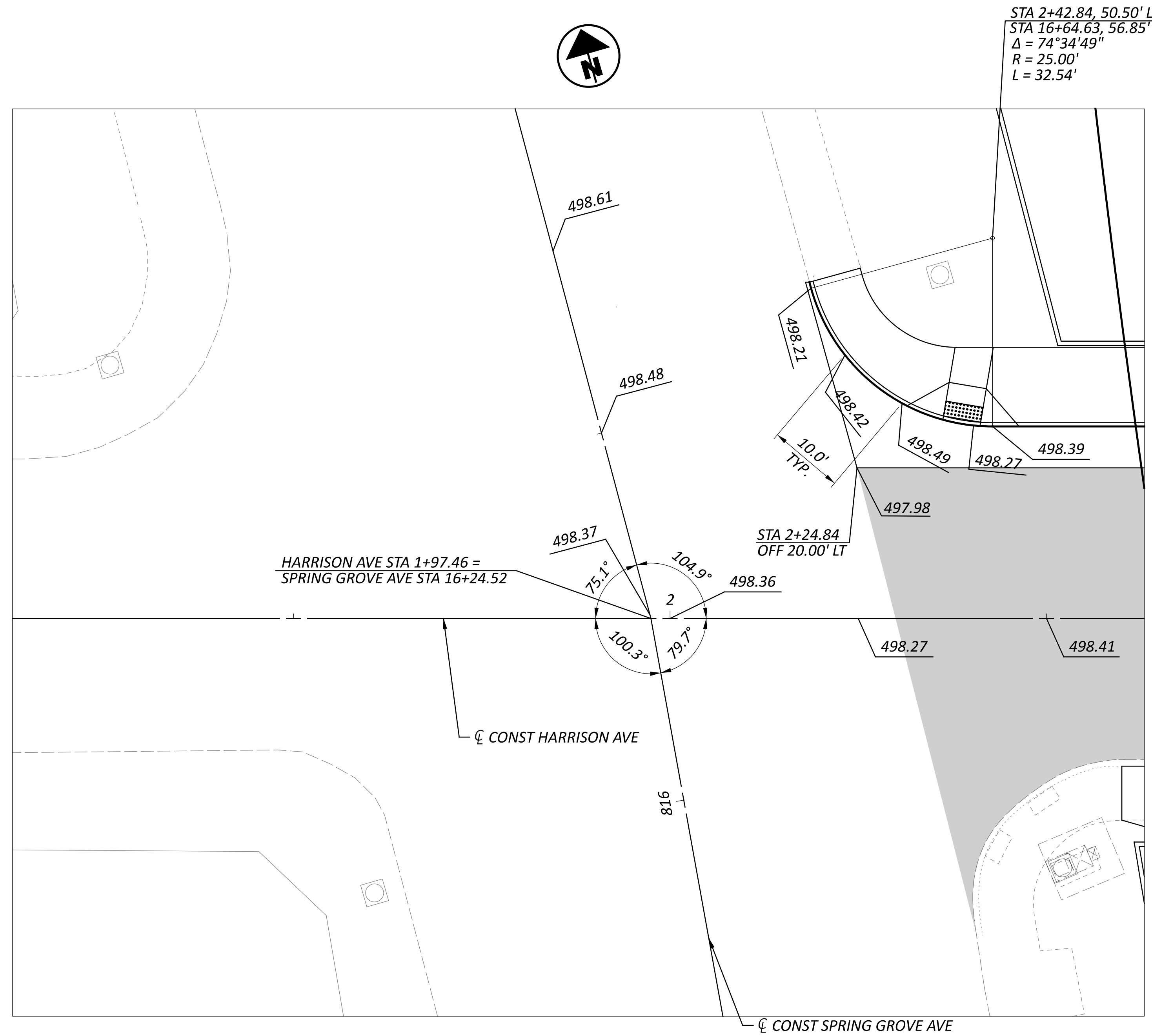


NOTE TO REVIEWER:
- ALL PROPOSED CURB ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED

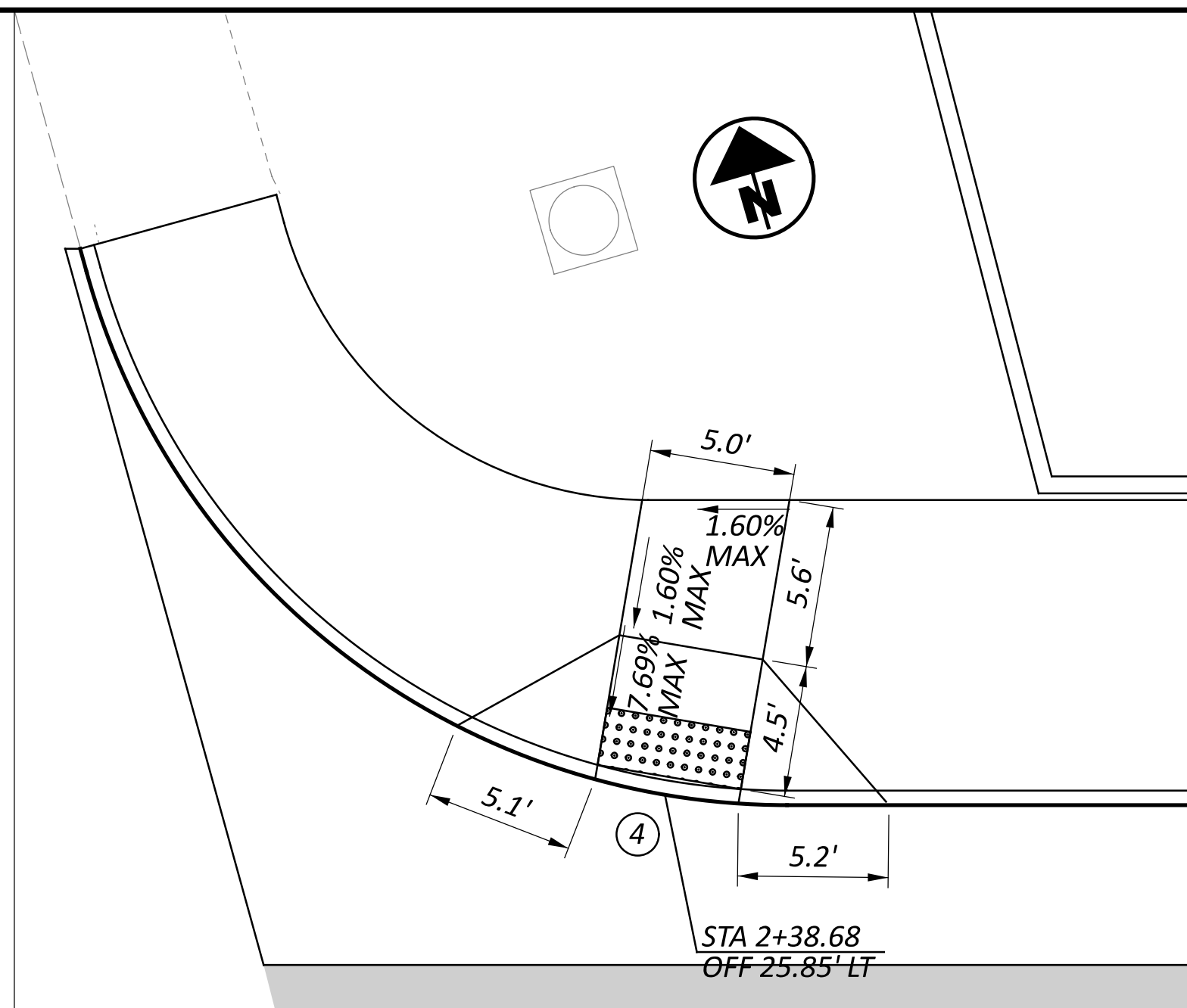


INTERSECTION DETAILS
WINCHELL AVE AND RAMP D

DESIGN AGENCY	
EMHT	
DESIGNER	SJB
REVIEWER	MJR
PROJECT ID	06/21/24
	114161
SHEET	TOTAL
P.320	463



STA 2+42.84, 50.50' LT
 STA 16+64.63, 56.85' RT
 $\Delta = 74^\circ 34' 49''$
 $R = 25.00'$
 $L = 32.54'$

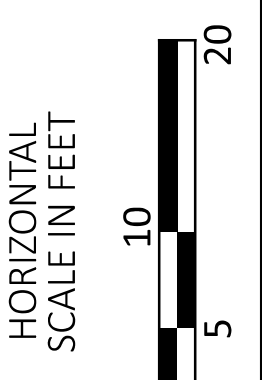


R4 CURB RAMP DETAIL
 SCALE 1" = 5'

LEGEND

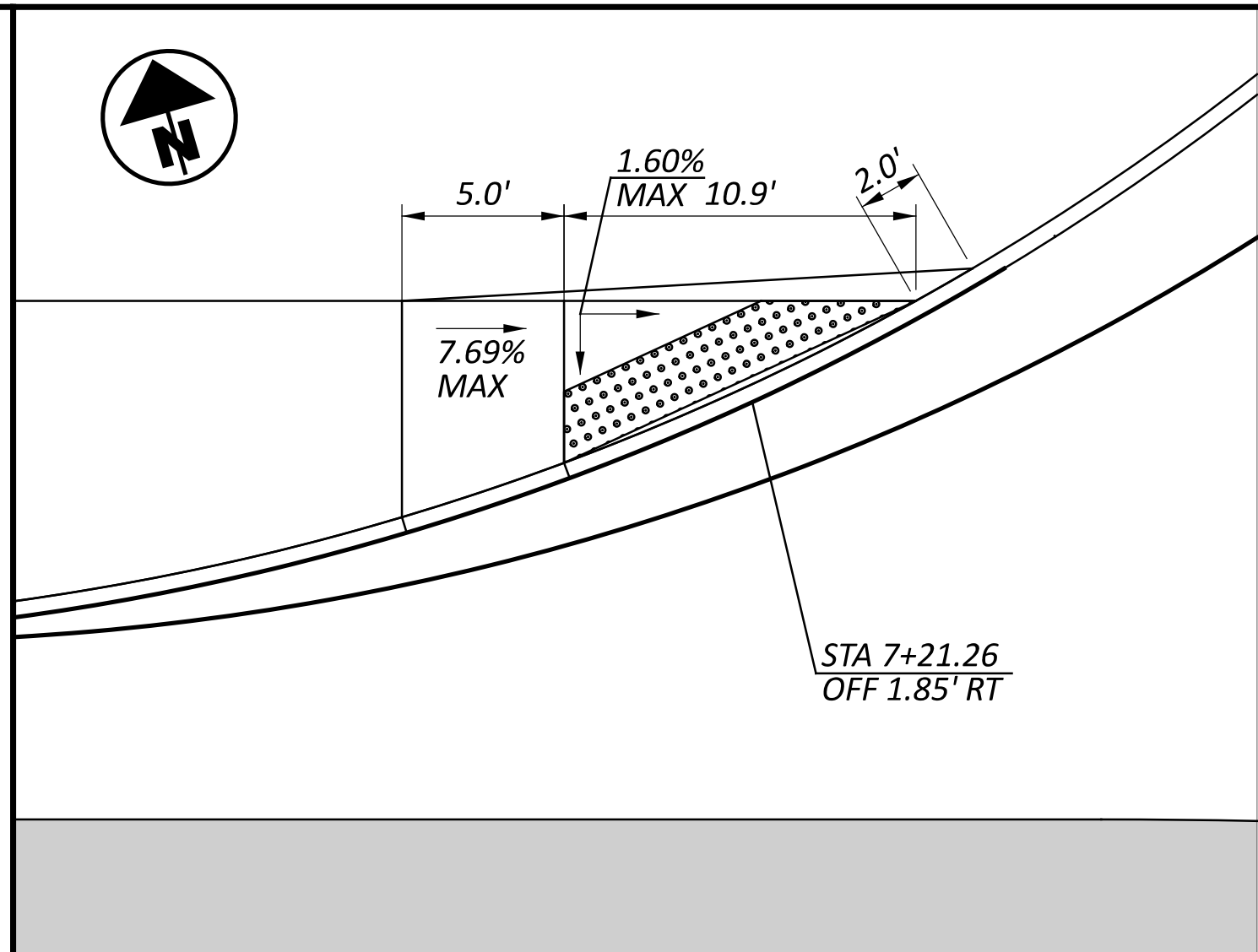
- PAVEMENT PLANING AND OVERLAY

NOTE TO REVIEWER:
 - CURB RAMP DETAILS TO BE ADDED IN STAGE 2
 - ALL PROPOSED CURB ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED

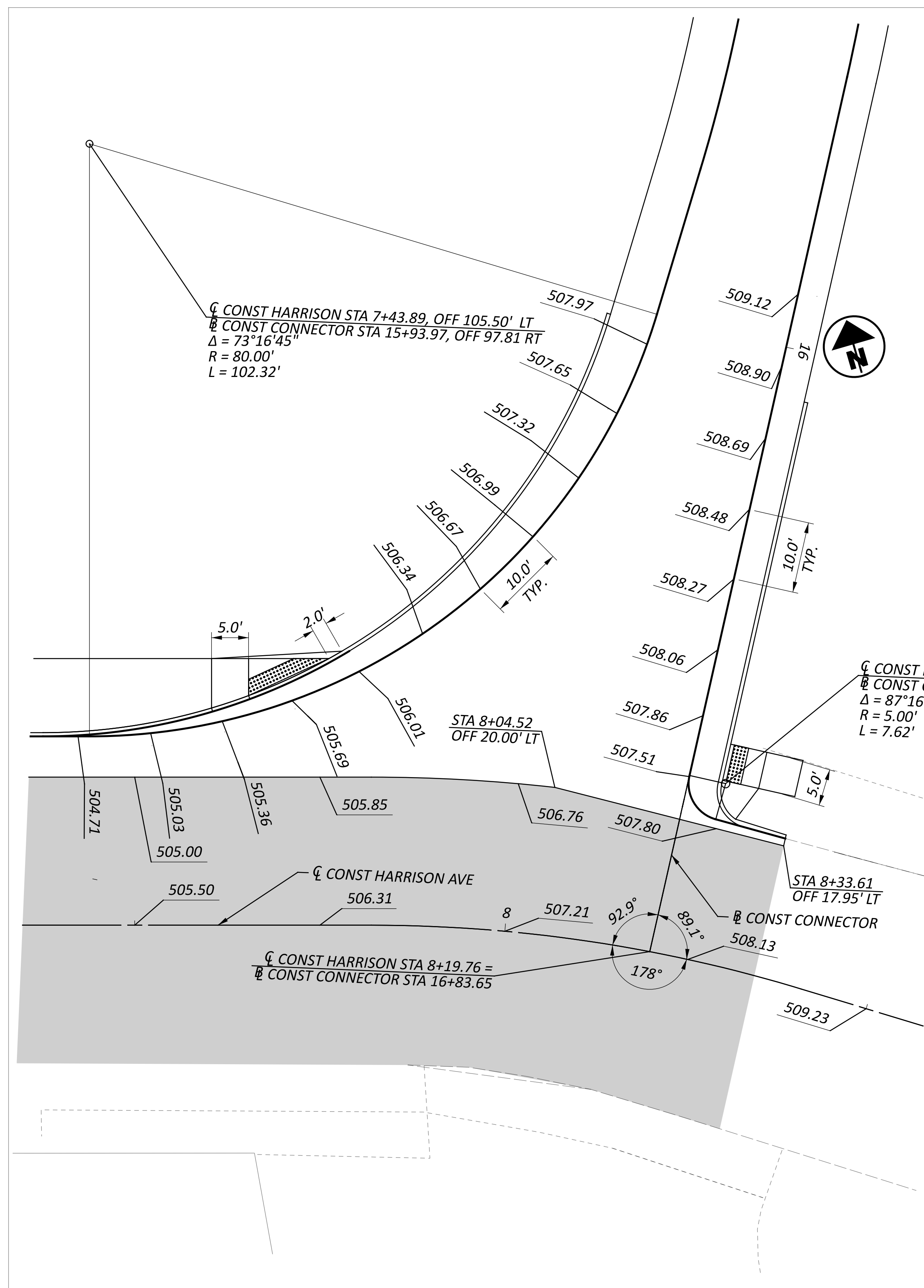


INTERSECTION DETAILS
 HARRISON AVE AND SPRING GROVE AVE

DESIGN AGENCY	
EMHT	
DESIGNER	SJB
REVIEWER	MJR 06/21/24
PROJECT ID	114161
SHEET	TOTAL
P.321	463



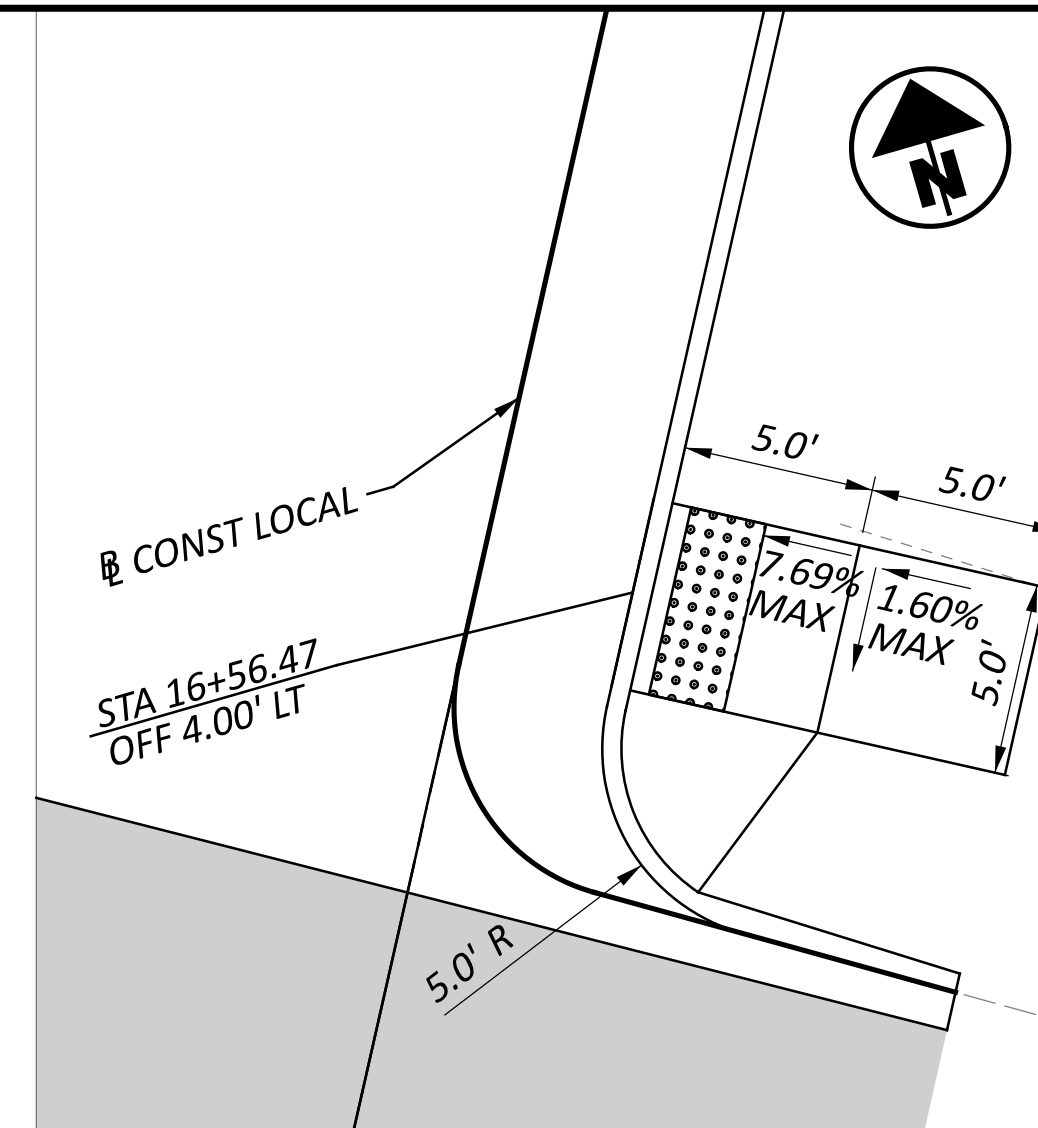
R2 CURB RAMP DETAIL
 SCALE 1" = 5'



LEGEND

- PAVEMENT PLANNING AND OVERLAY

NOTE TO REVIEWER:
 - CURB RAMP DETAILS TO BE ADDED IN STAGE 2
 - ALL PROPOSED CURB ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED



R3 CURB RAMP DETAIL
 SCALE 1" = 5'



INTERSECTION DETAILS
 HARRISON AVE AND WINCHELL AVE/CONNECTOR

DESIGN AGENCY



DESIGNER

SJB

REVIEWER

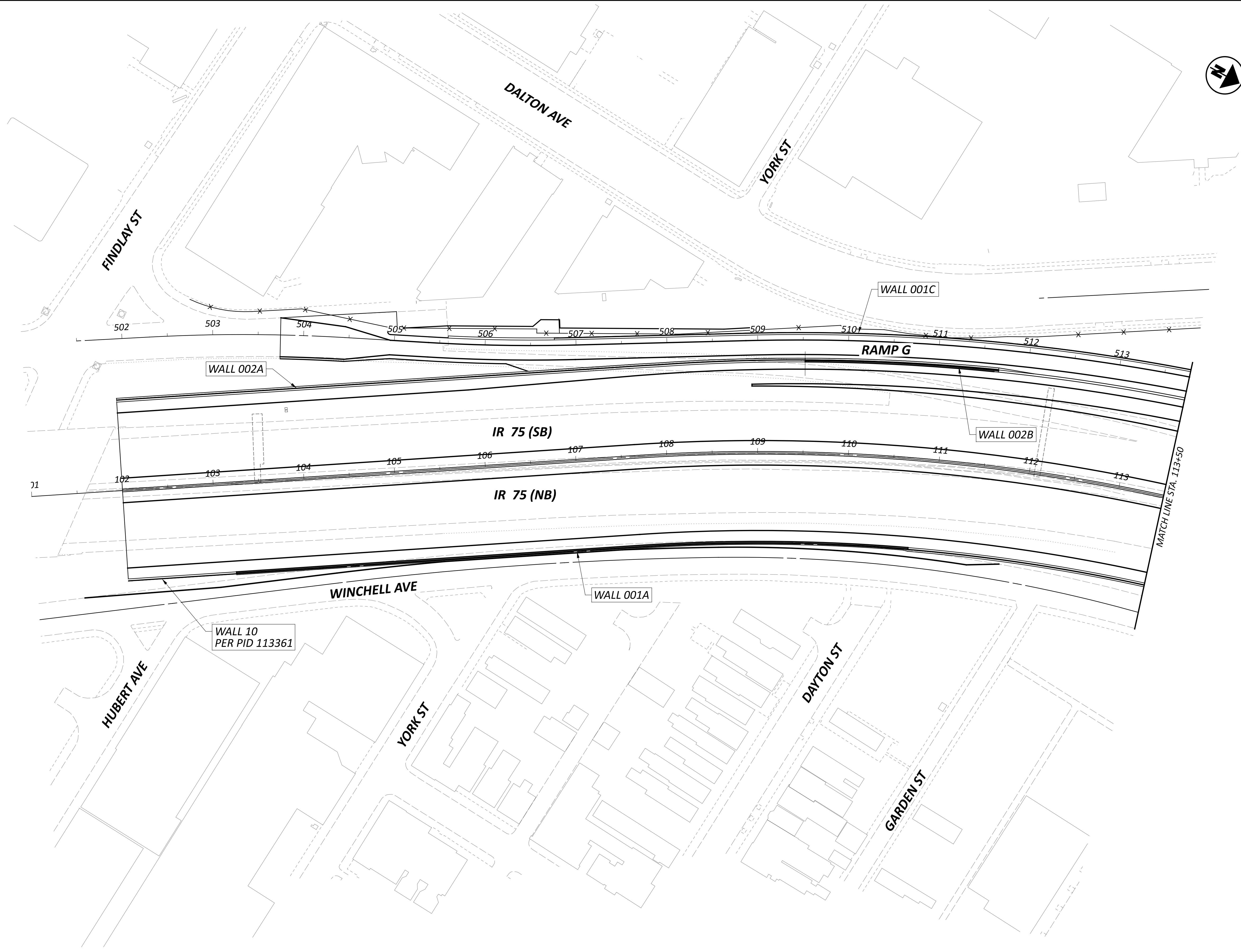
MJR 06/21/24

PROJECT ID

114161

SHEET TOTAL

P.322 463



SCHEMATIC PLAN-1
STA 102+00.00 TO STA 113+50.00

DESIGN AGENCY



DESIGNER

AI

REVIEWER

TDA 06/21/24

PROJECT ID

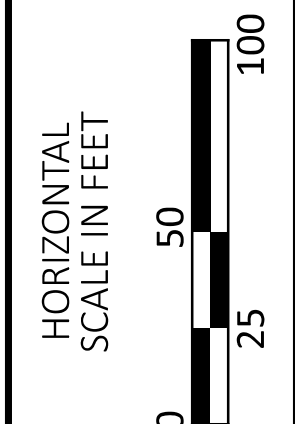
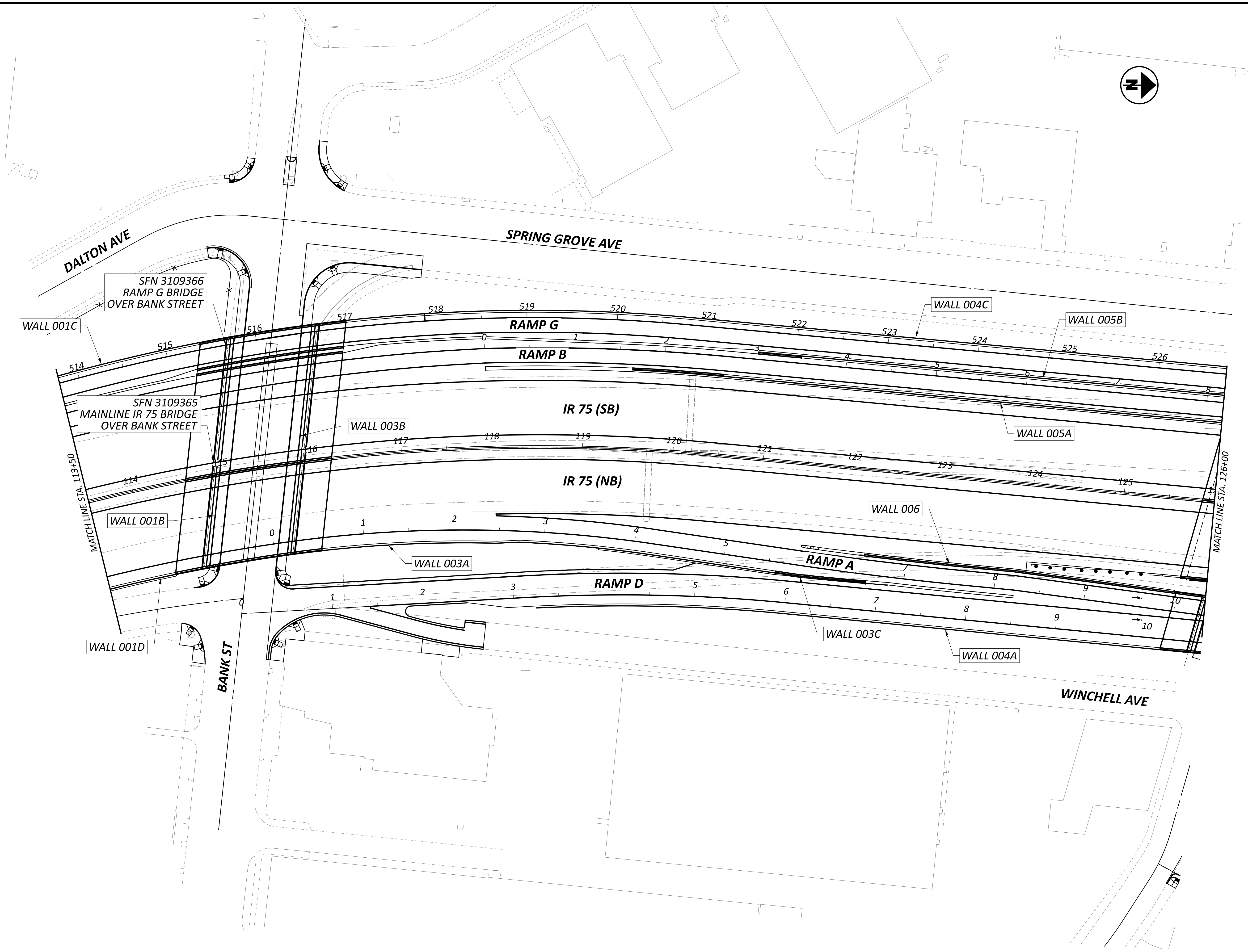
114161

SUBSET TOTAL

1 4

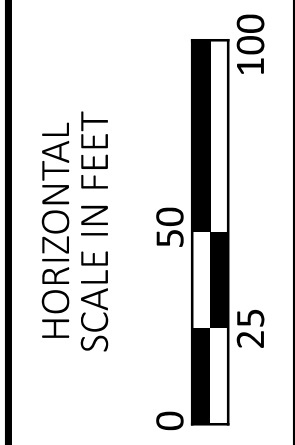
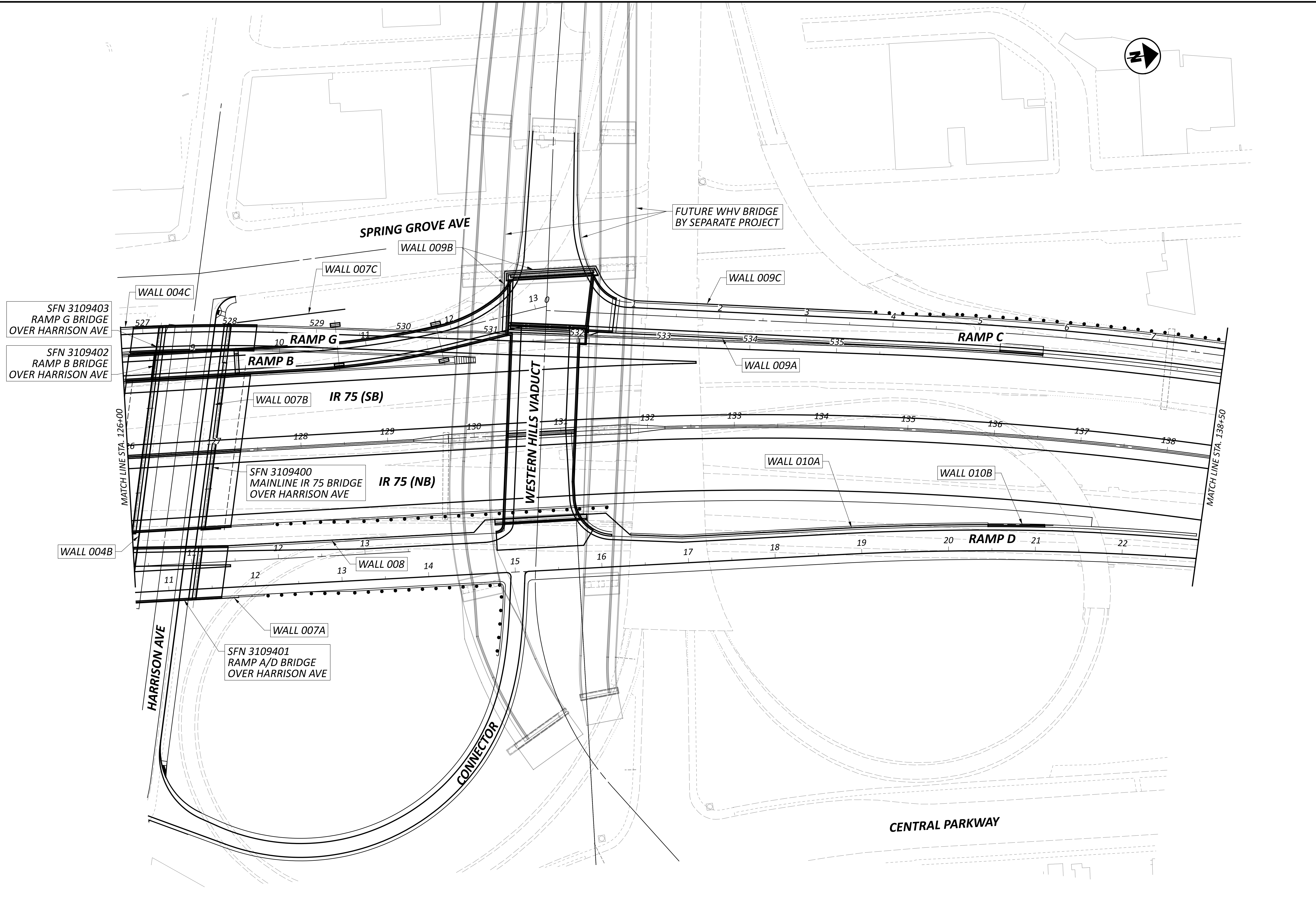
SHEET TOTAL

P.323 463



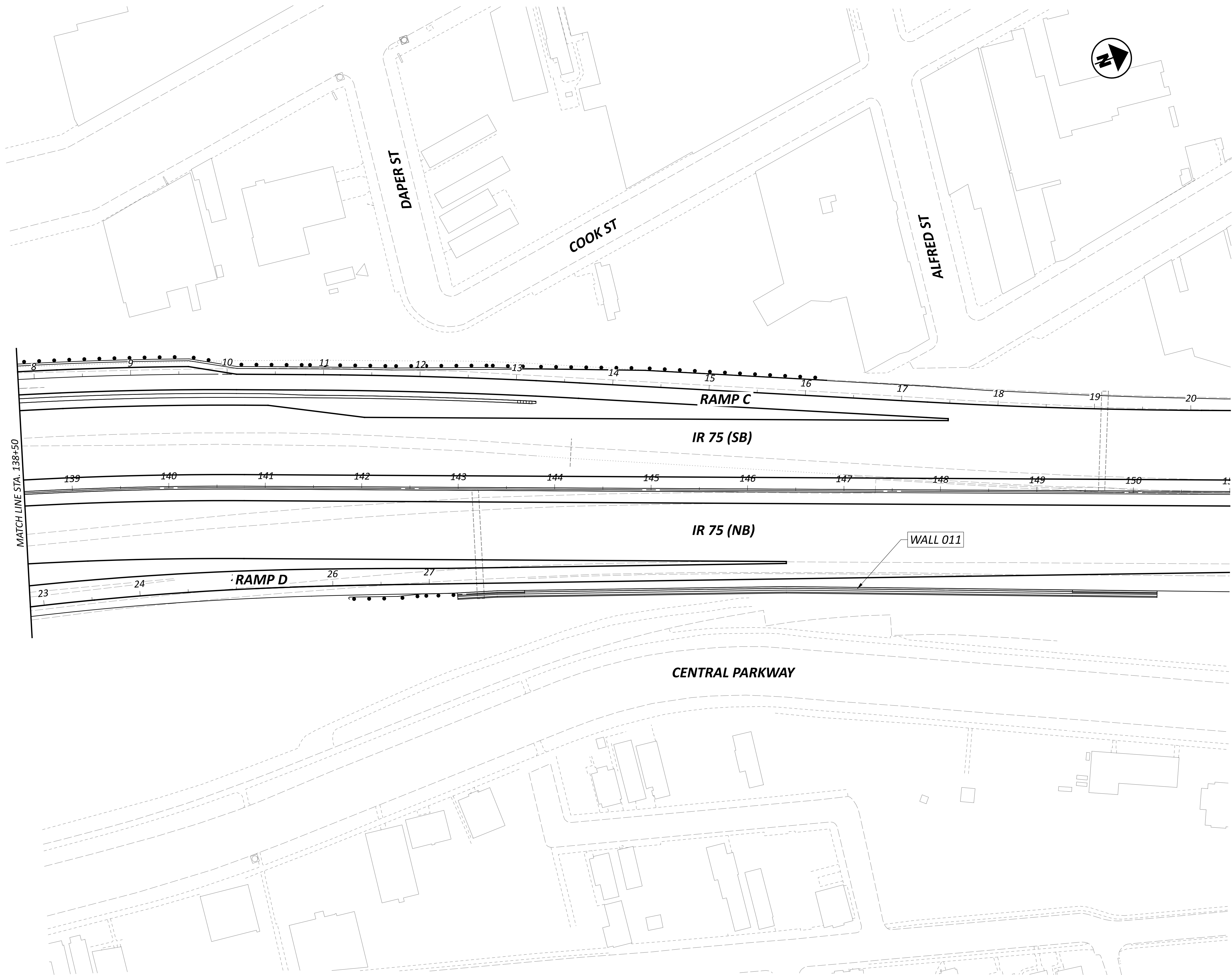
SCHEMATIC PLAN-2
STA 113+50.00 TO STA 126+00.00

DESIGN AGENCY	
EMHT	
DESIGNER	AI
REVIEWER	TDA
TDA	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
2	4
SHEET	TOTAL
P.324	463



SCHEMATIC PLAN-3
STA 126+00.00 TO STA 138+50.00

DESIGN AGENCY	
EMHT	
DESIGNER	AI
REVIEWER	TDA 06/21/24
PROJECT ID	114161
SUBSET	TOTAL
3	4
SHEET	TOTAL
P.325	463



DESIGN AGENCY



DESIGNER

AI

REVIEWER

TDA 06/21/24

PROJECT ID

114161

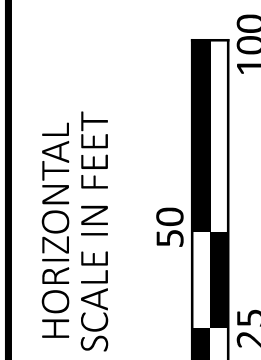
SUBSET TOTAL

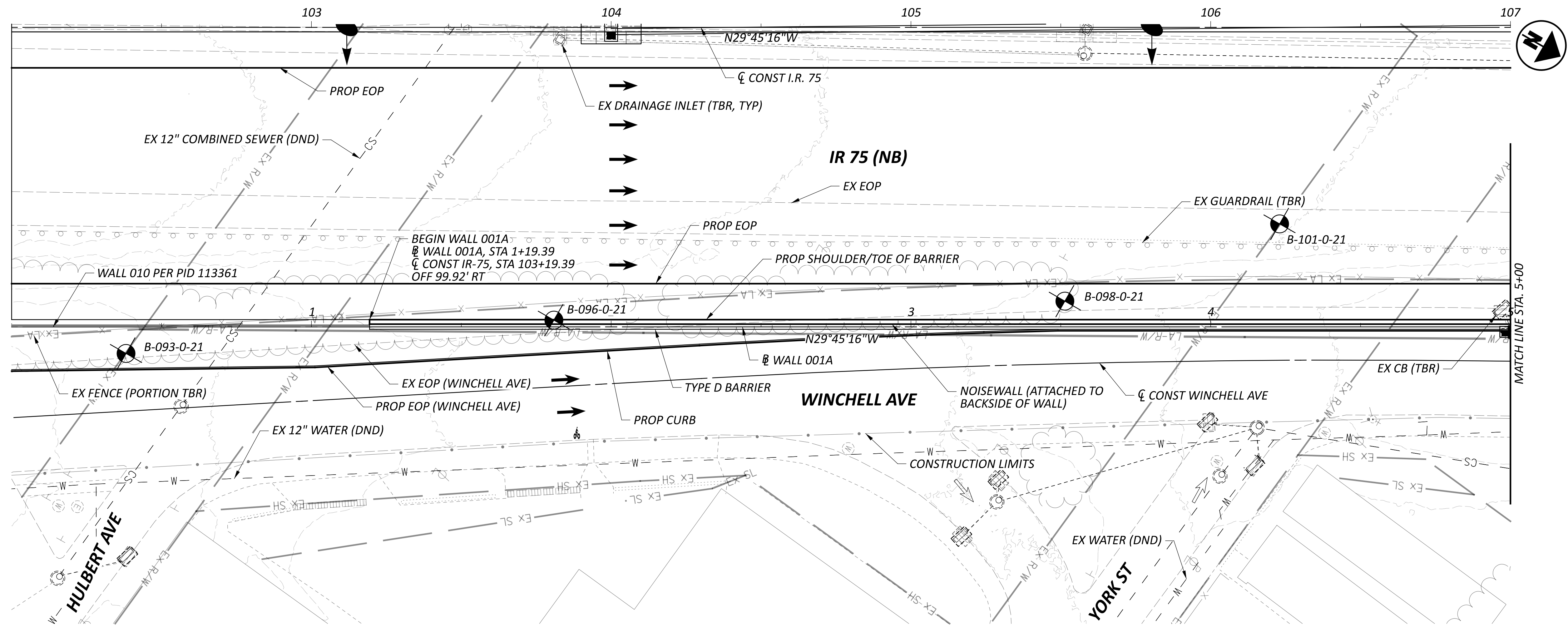
4 4

SHEET TOTAL

P.326 463

SCHMATIC PLAN-4
STA 138+50.00 TO STA 151+00.00

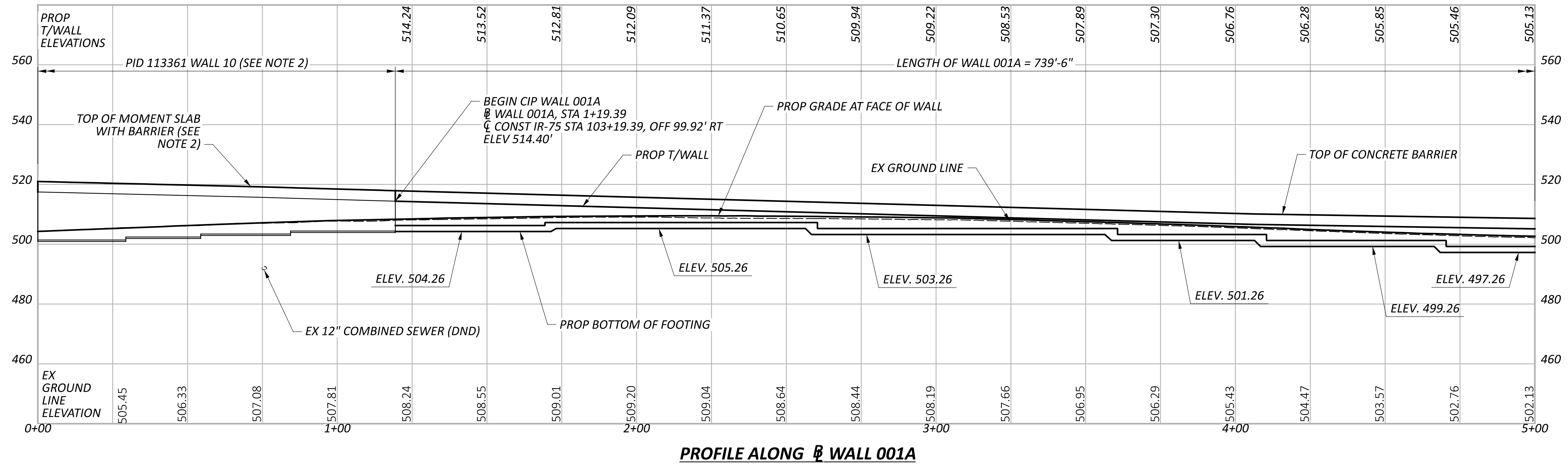




PLAN

NOTES:

1. ALL STATIONS, OFFSETS, ELEVATIONS AND DIMENSIONS MEASURED ABOUT THE BASELINE OF CIP WALL.
2. NOTE TO REVIEWER: THE INTENT IS FOR THE 113361 MSE WALL TO EXTEND NORTH FROM THE FINDLAY BRIDGE TO A POINT THAT THE 114161 PROJECT STARTS WITH A CIP WALL. THE EXACT LOCATION OF THIS TRANSITION POINT WILL BE DETERMINED IN STAGE 2 DESIGN.
3. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL BE PROVIDED AT STAGE 2.



PROFILE ALONG \bar{B} WALL 001A



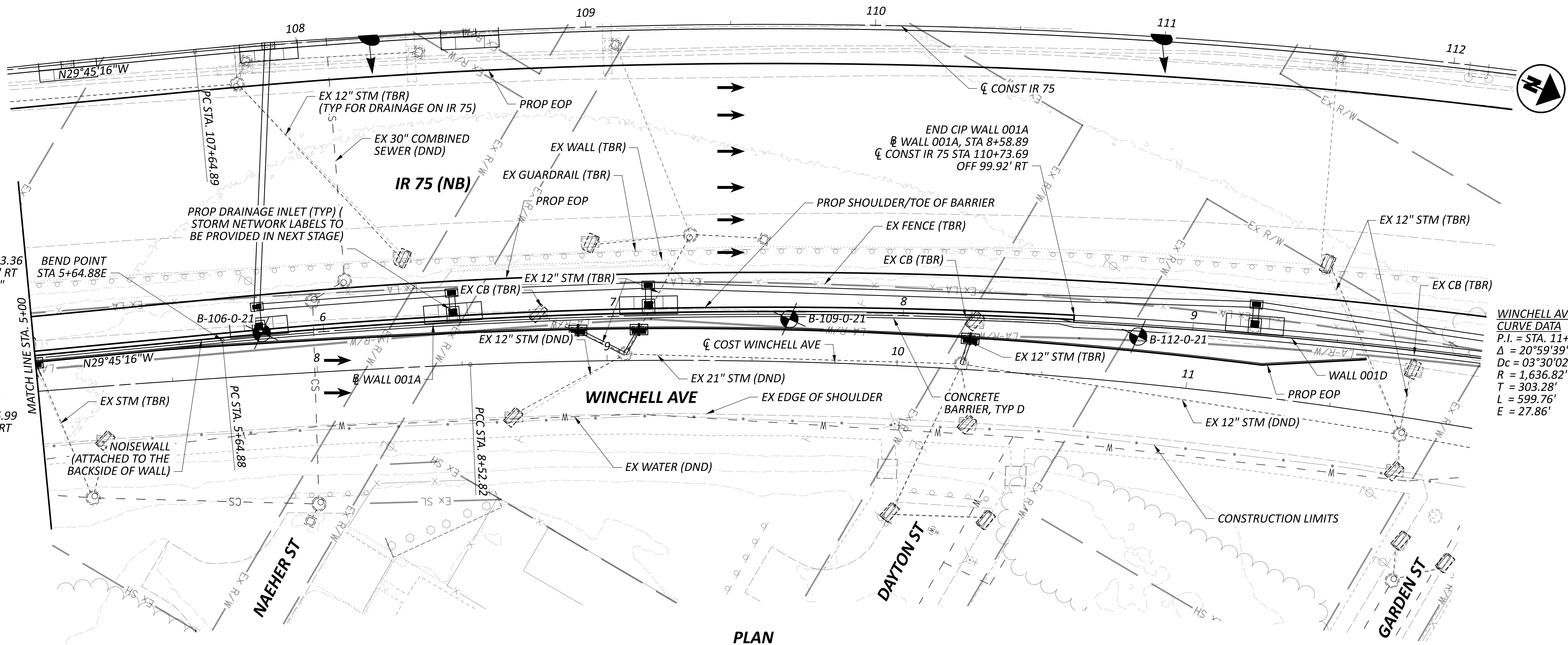
PLAN AND PROFILE
 RETAINING WALL NO 001A ALONG MAINLINE IR 75
 STA 1+19.39 TO STA 5+00.00

SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	CHECKER
AI	JGM
REVIEWER	CAS 06/21/24
PROJECT ID	114161
SUBSET	TOTAL
1	11
SHEET	TOTAL
P.327	463

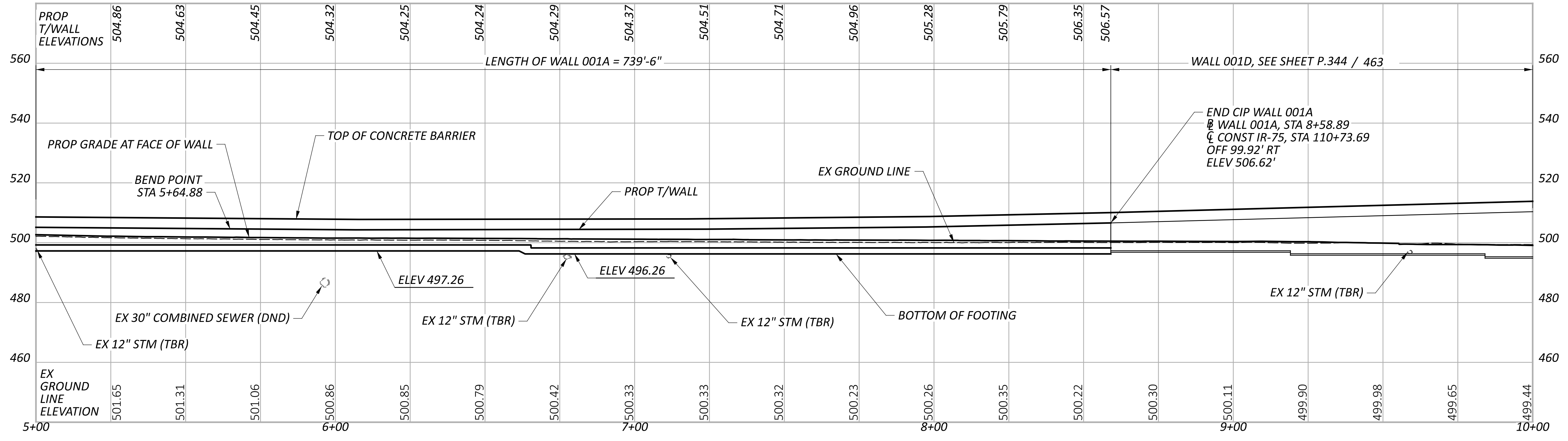
WALL 001A CURVE DATA
 P.I. = STA. 6+43.36
 $\Delta = 06^{\circ}17'27''$ RT
 $D_c = 01^{\circ}30'01''$
 $R = 3,819.21'$
 $T = 209.88'$
 $L = 419.33'$
 $E = 5.76'$

WINCHELL AVE CURVE DATA
 P.I. = STA. 8+26.99
 $\Delta = 15^{\circ}03'17''$ RT
 $D_c = 02^{\circ}53'19''$
 $R = 1,983.57'$
 $T = 262.11'$
 $L = 521.2'$
 $E = 17.24'$

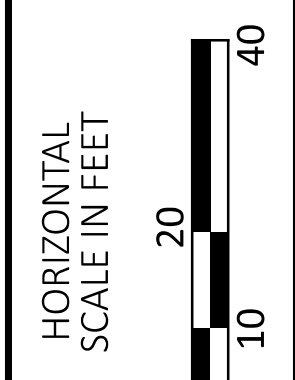
WINCHELL AVE CURVE DATA
 P.I. = STA. 11+56.10
 $\Delta = 20^{\circ}59'39''$ RT
 $D_c = 03^{\circ}30'02''$
 $R = 1,636.82'$
 $T = 303.28'$
 $L = 599.76'$
 $E = 27.86'$



PLAN

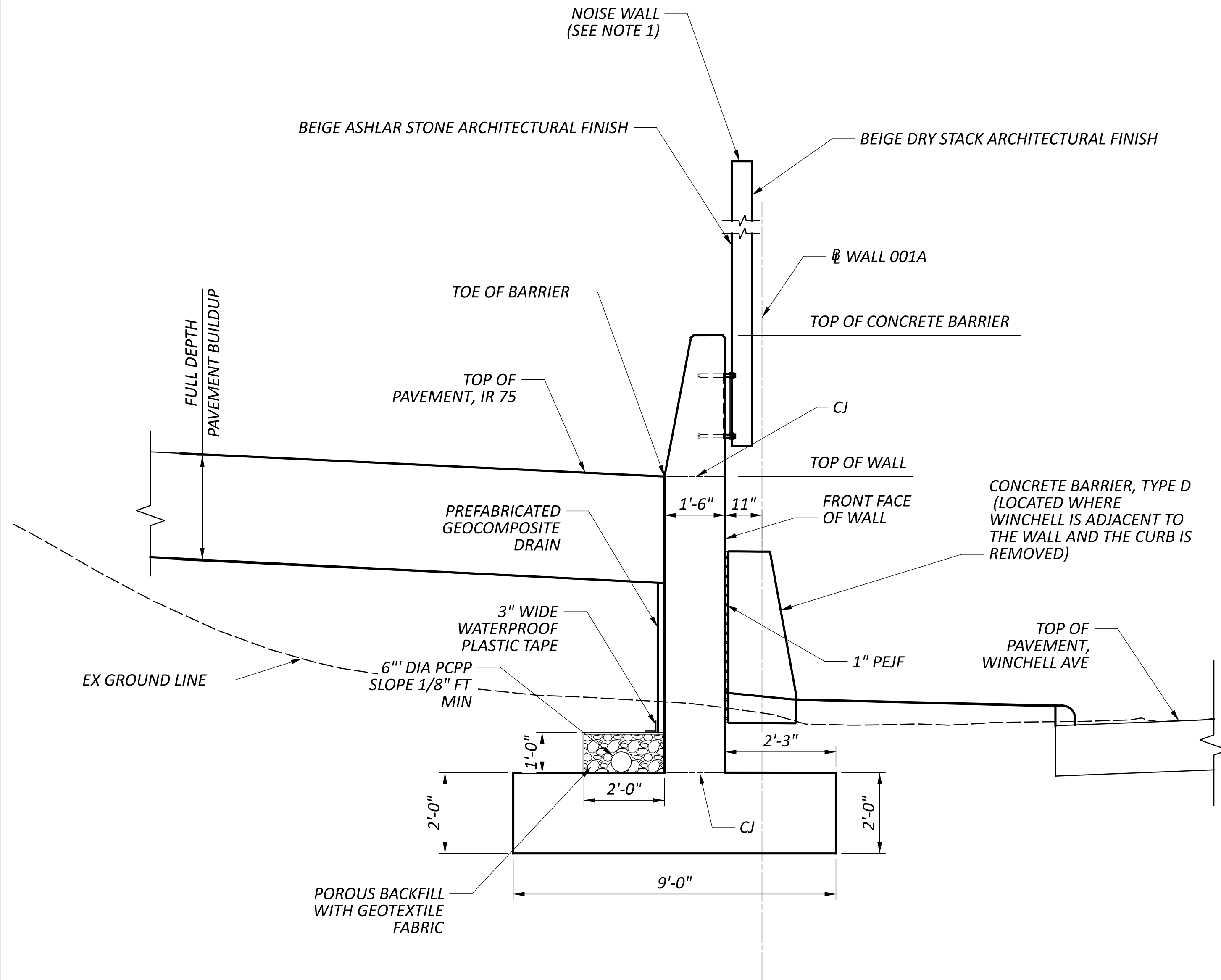


PROFILE ALONG \bar{B} WALL 001A



PLAN AND PROFILE
 RETAINING WALL NO 001A ALONG MAINLINE IR 75
 STA 5+00.00 TO STA 8+58.89

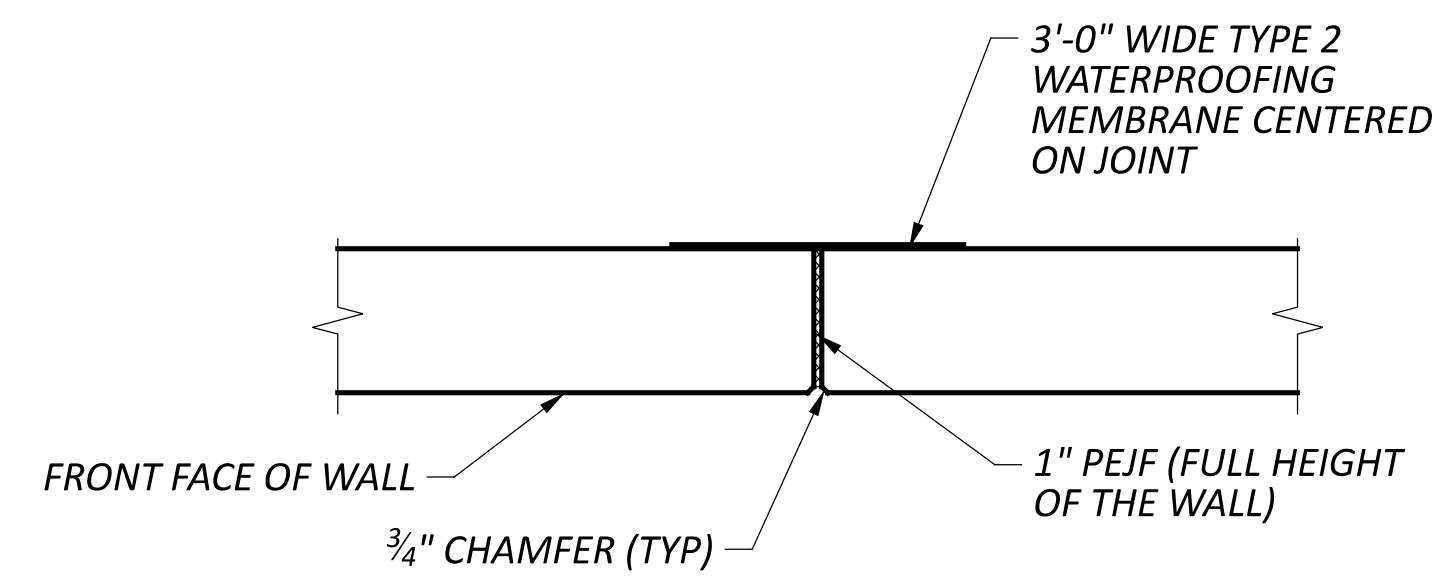
DESIGNER	AI	CHECKER	JGM
REVIEWER	CAS 06/21/24		
PROJECT ID	114161		
SUBSET	2	TOTAL	11
SHEET	P.328	TOTAL	463



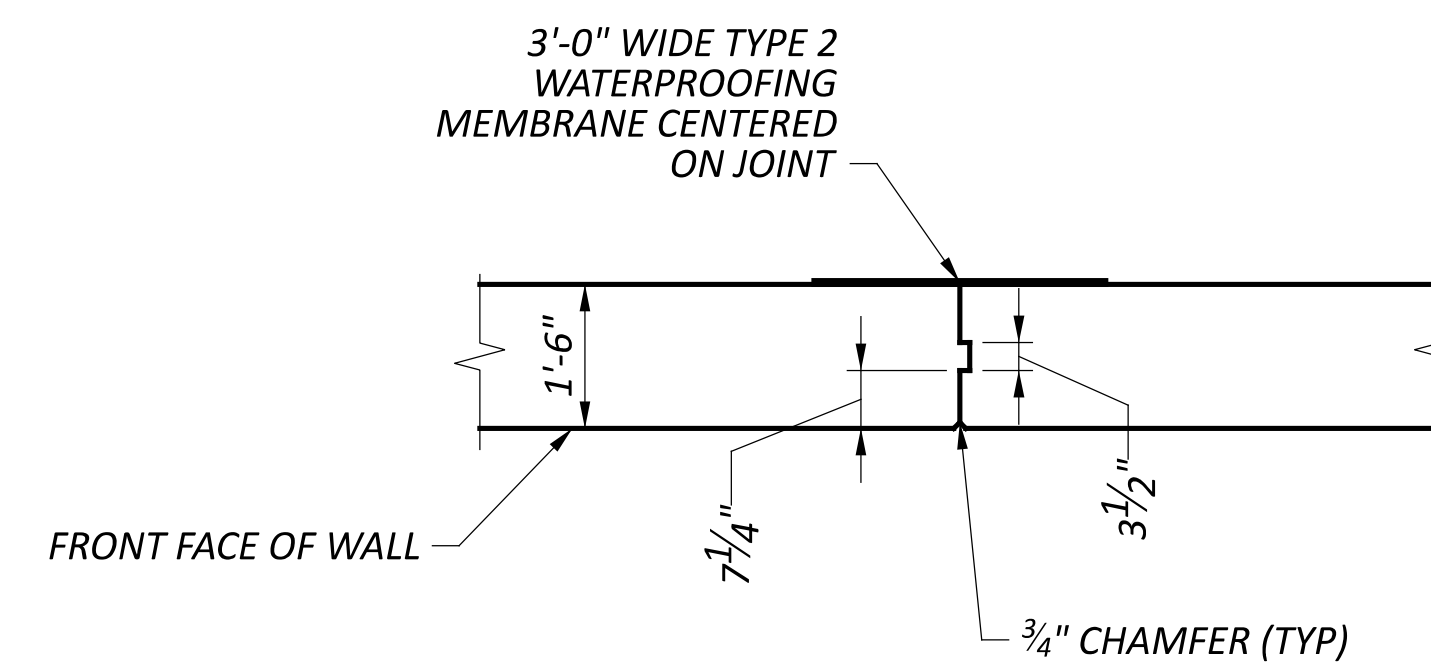
CAST IN PLACE WALL WITH NOISE WALL

NOTE TO REVIEWER:

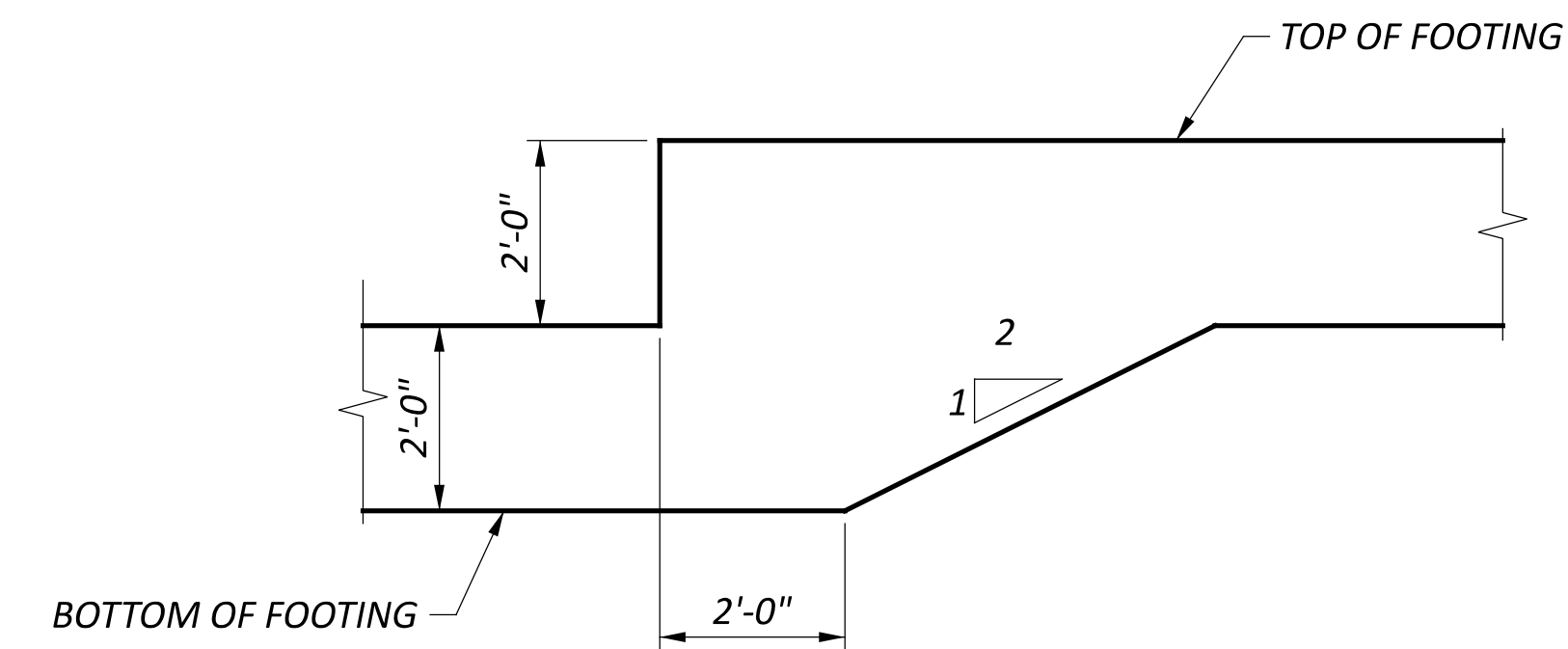
1. THE NOISEWALL MOUNTED TO THE BACK OF THE BARRIER WAS A LATE ADDITION TO THE STAGE 1 PLANS. FULL NOISEWALL DETAILS WILL BE INCORPORATED AT STAGE 2.



EXPANSION JOINT

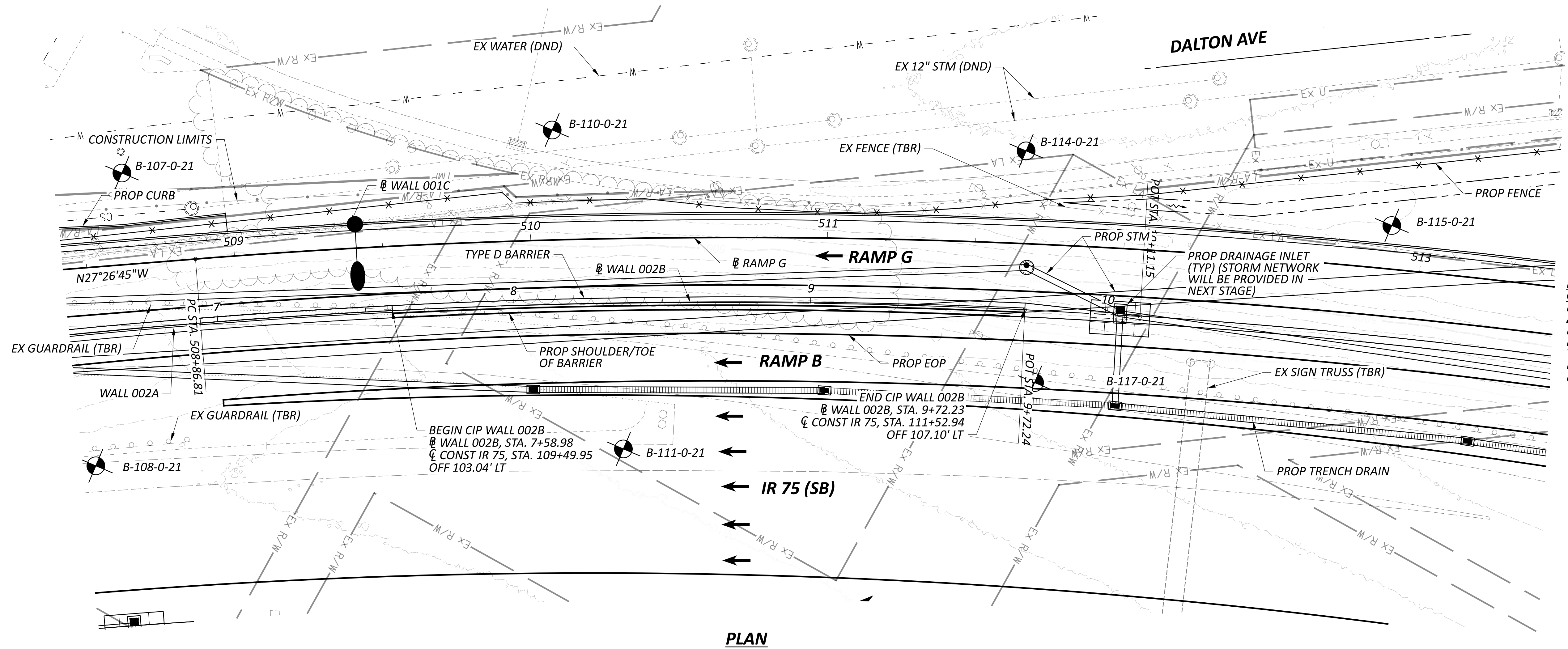


CONTRACTION JOINT

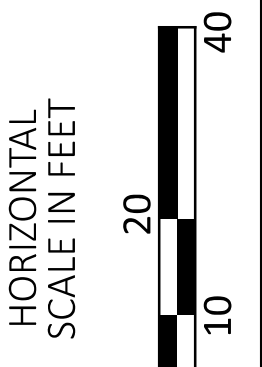


CAST IN PLACE WALL FOUNDATION STEP DETAIL

SFN	N/A
DESIGNER	CAS
CHECKER	JGM
REVIEWER	CAS
PROJECT ID	114161
SUBSET	3
TOTAL	11
SHEET	P.329
TOTAL	463

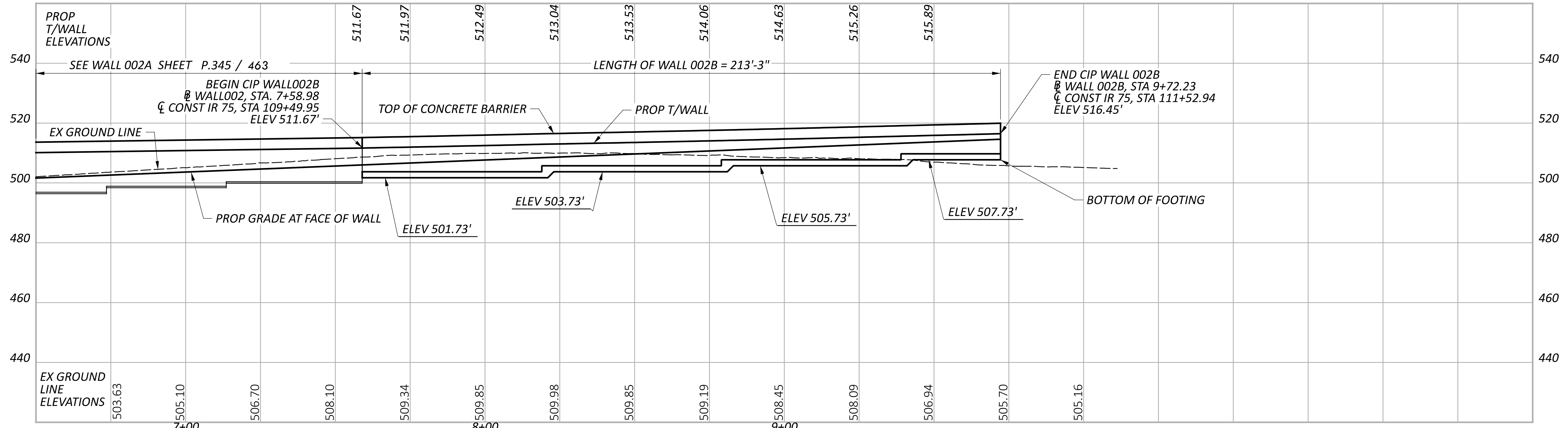


RAMP G CURVE DATA
 P.I. = STA. 511+88.54
 $\Delta = 15^{\circ}00'00''$ RT
 $D_c = 02^{\circ}30'00''$ RT
 $R = 2,291.83'$
 $T = 301.73'$
 $L = 600'$
 $E = 19.78'$



NOTES:

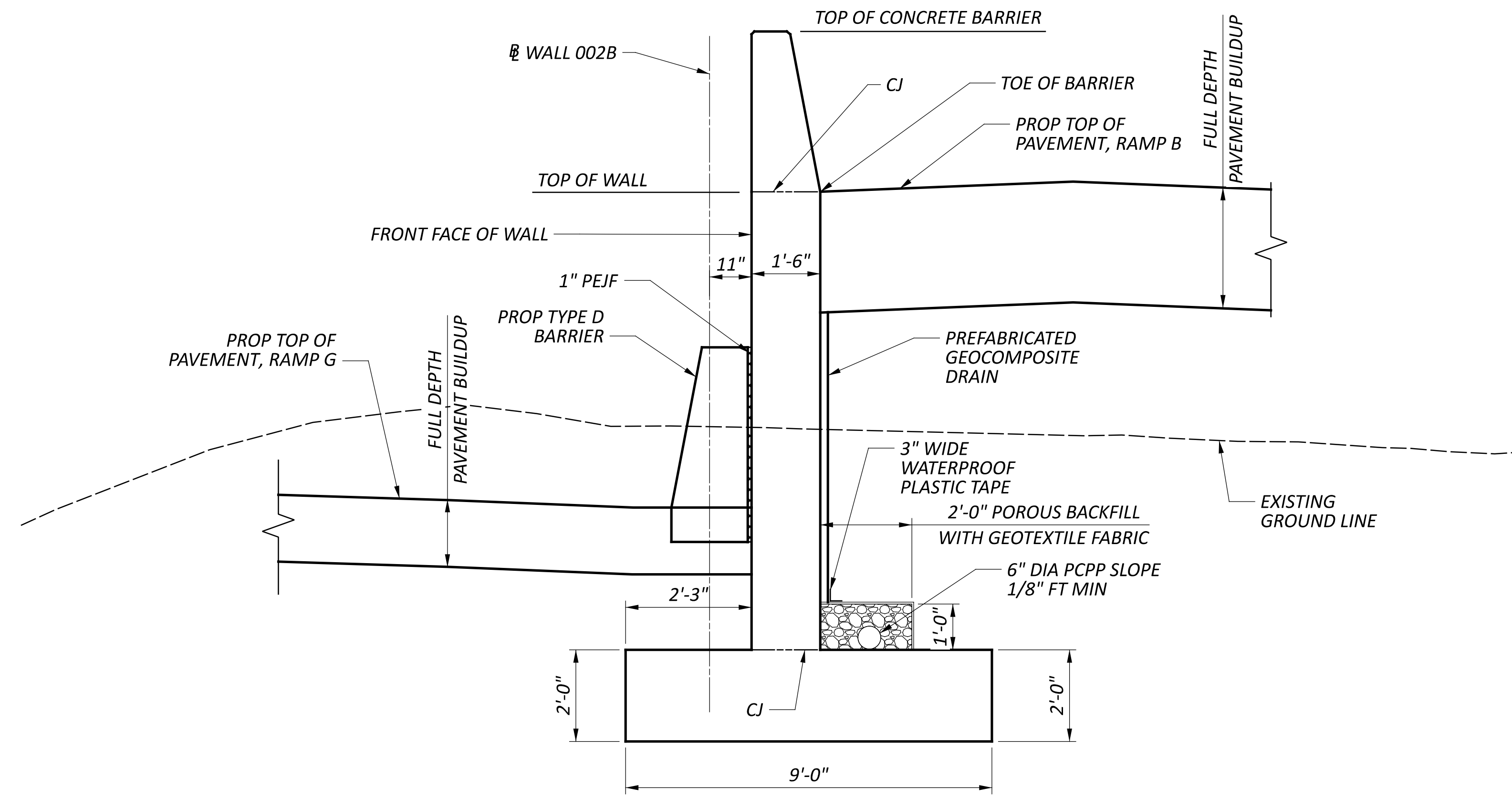
1. ALL STATIONS, OFFSETS, ELEVATIONS AND DIMENSIONS MEASURED ABOUT THE BASELINE OF CIP WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL BE PROVIDED IN STAGE 2.



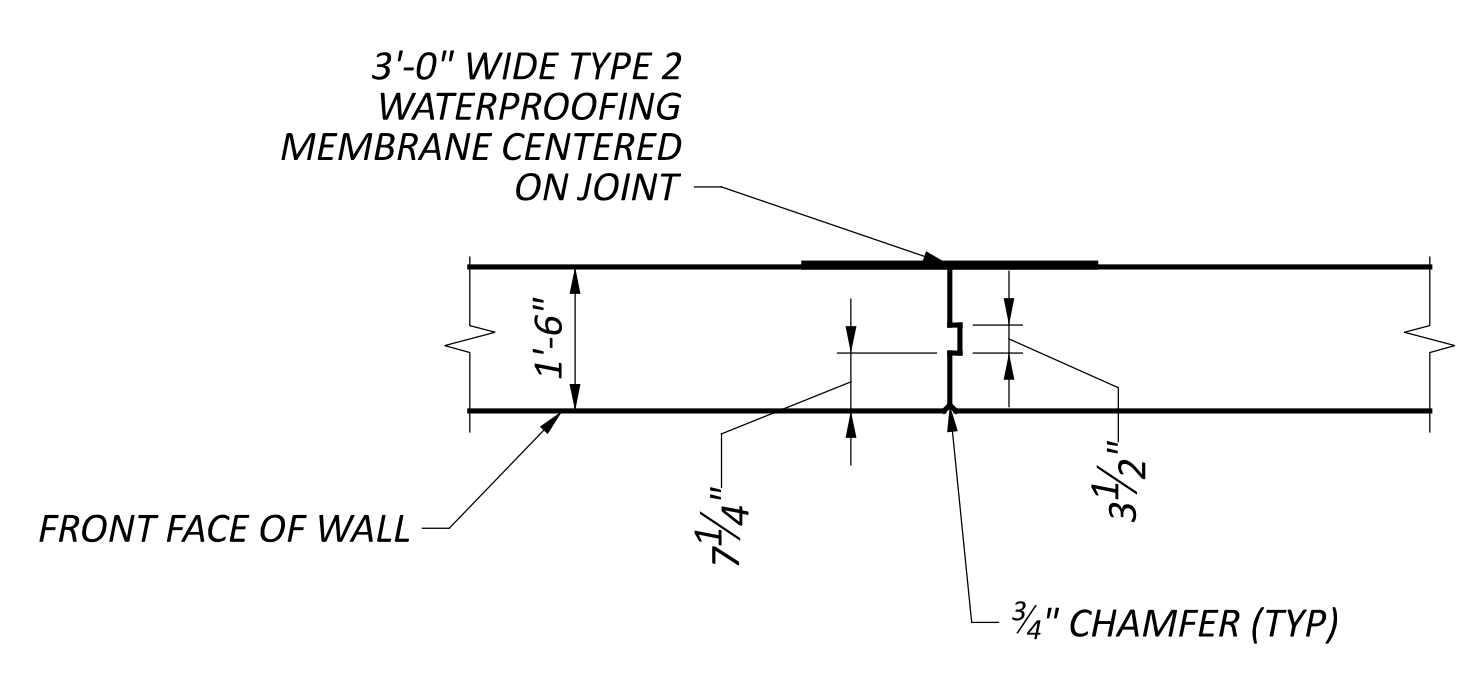
PROFILE ALONG \bar{C} WALL 002B

**PLAN AND PROFILE
 RETAINING WALL NO 002B ALONG RAMP B
 STA. 7+58.98 TO STA. 9+72.23**

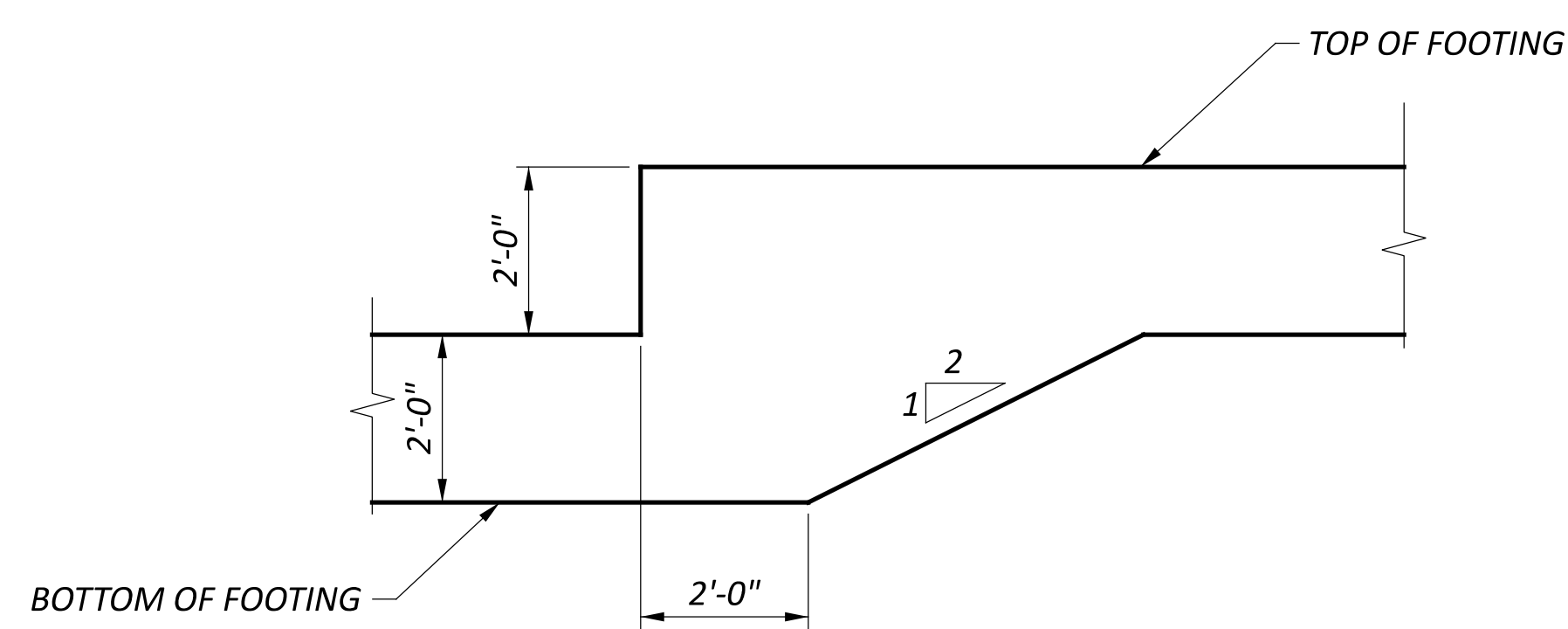
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
4	11
SHEET	TOTAL
P.330	463



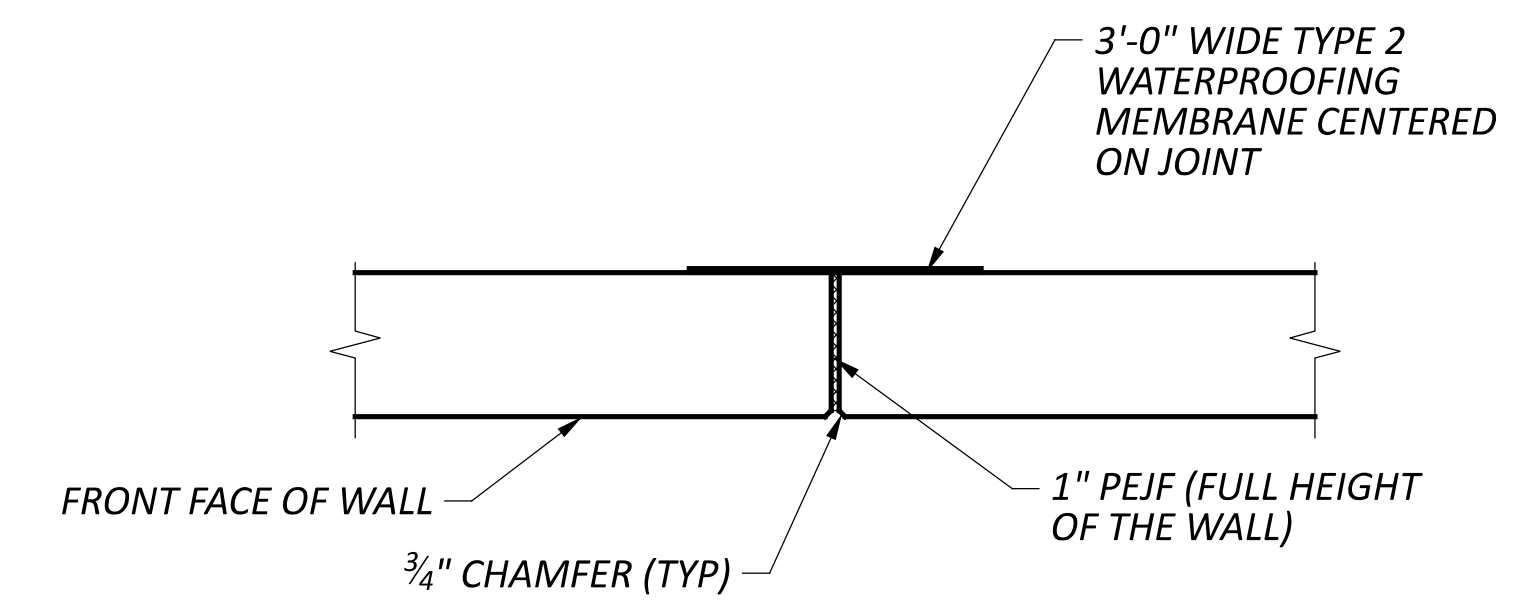
TYPICAL CAST-IN-PLACE SECTION WALL 002B



CONTRACTION JOINT



CAST IN PLACE WALL FOUNDATION STEP DETAIL



EXPANSION JOINT

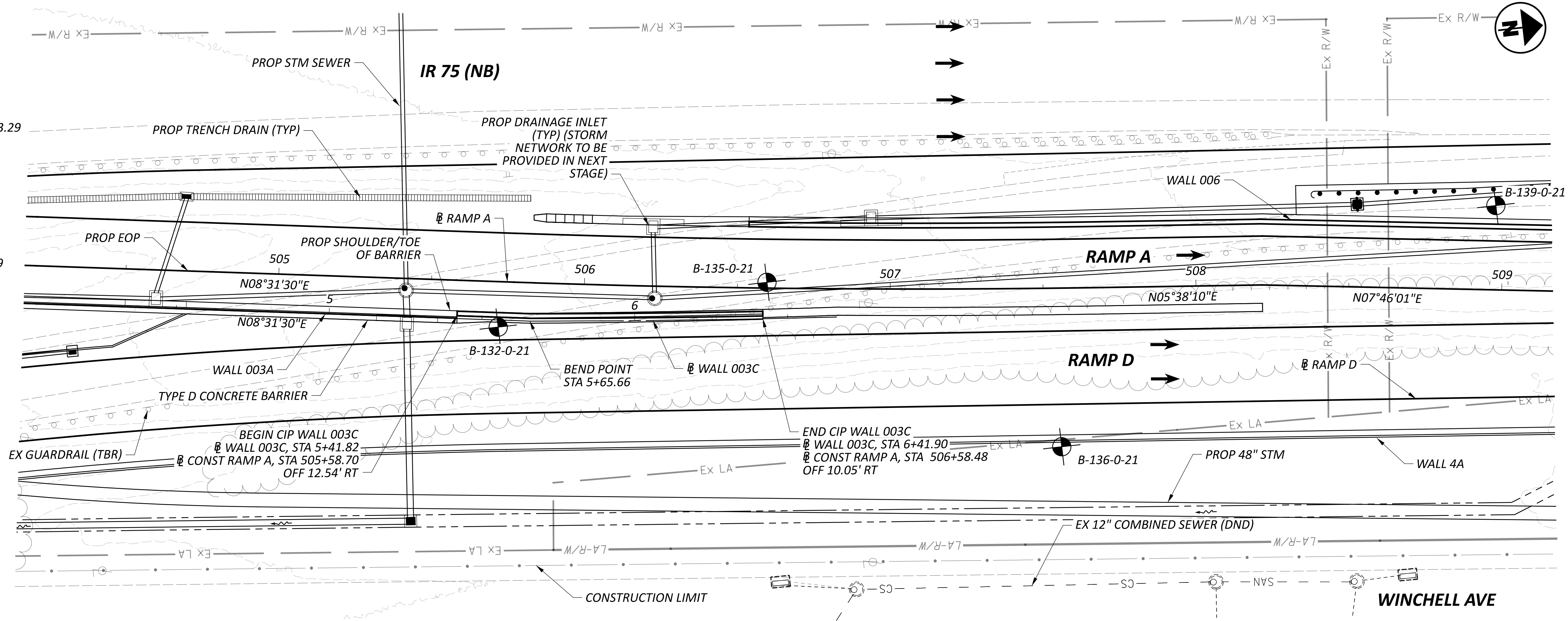
WALL SECTIONS
 RETAINING WALL NO 002B
 ALONG RAMP B

SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	
114161	
SUBSET	TOTAL
5	11
SHEET	TOTAL
P.331	463

**RAMP A
CURVE DATA**
 P.I. = STA. 506+73.29
 $\Delta = 02^{\circ}53'21''$ LT
 $D_c = 01^{\circ}30'00''$
 $R = 3,819.72'$
 $T = 96.32'$
 $L = 192.60'$
 $E = 1.21'$

**WALL 003C
CURVE DATA**
 P.I. = STA. 5+62.69
 $\Delta = 00^{\circ}05'20''$ LT
 $D_c = 01^{\circ}29'46''$
 $R = 3,829.72'$
 $T = 2.97'$
 $L = 5.94'$
 $E = 0.00'$

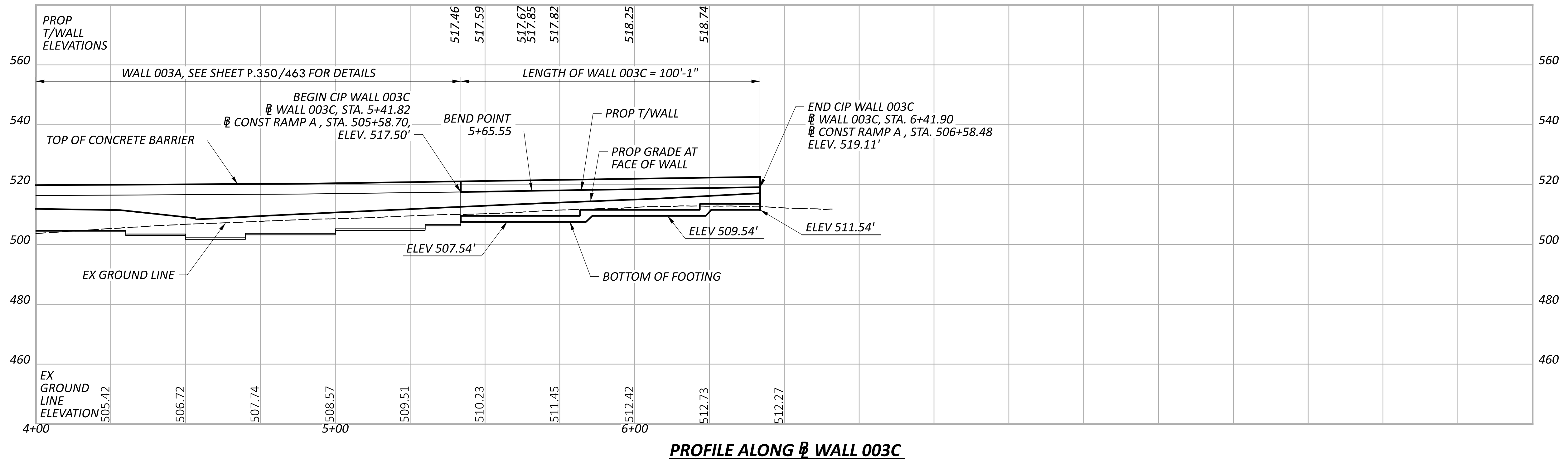
**WALL 003C
CURVE DATA**
 P.I. = STA. 6+15.81
 $\Delta = 01^{\circ}29'34''$ LT
 $D_c = 01^{\circ}29'18''$
 $R = 3,849.56'$
 $T = 50.15'$
 $L = 100.29'$
 $E = 0.33'$



NOTES:

1. ALL STATIONS, OFFSETS, ELEVATIONS AND DIMENSIONS MEASURED ABOUT THE BASELINE OF CIP WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL BE PROVIDED IN STAGE 2.

PLAN

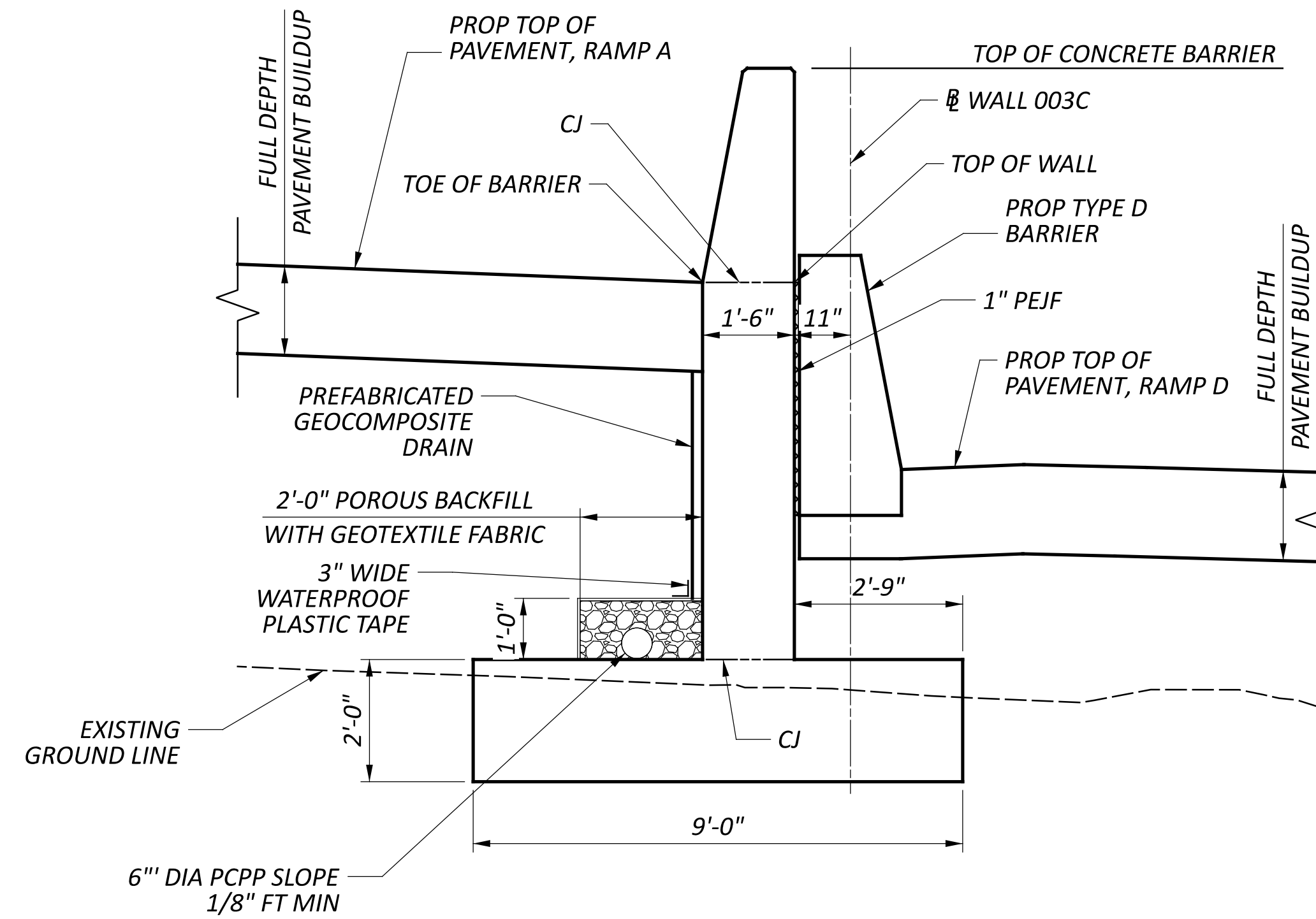


PROFILE ALONG WALL 003C

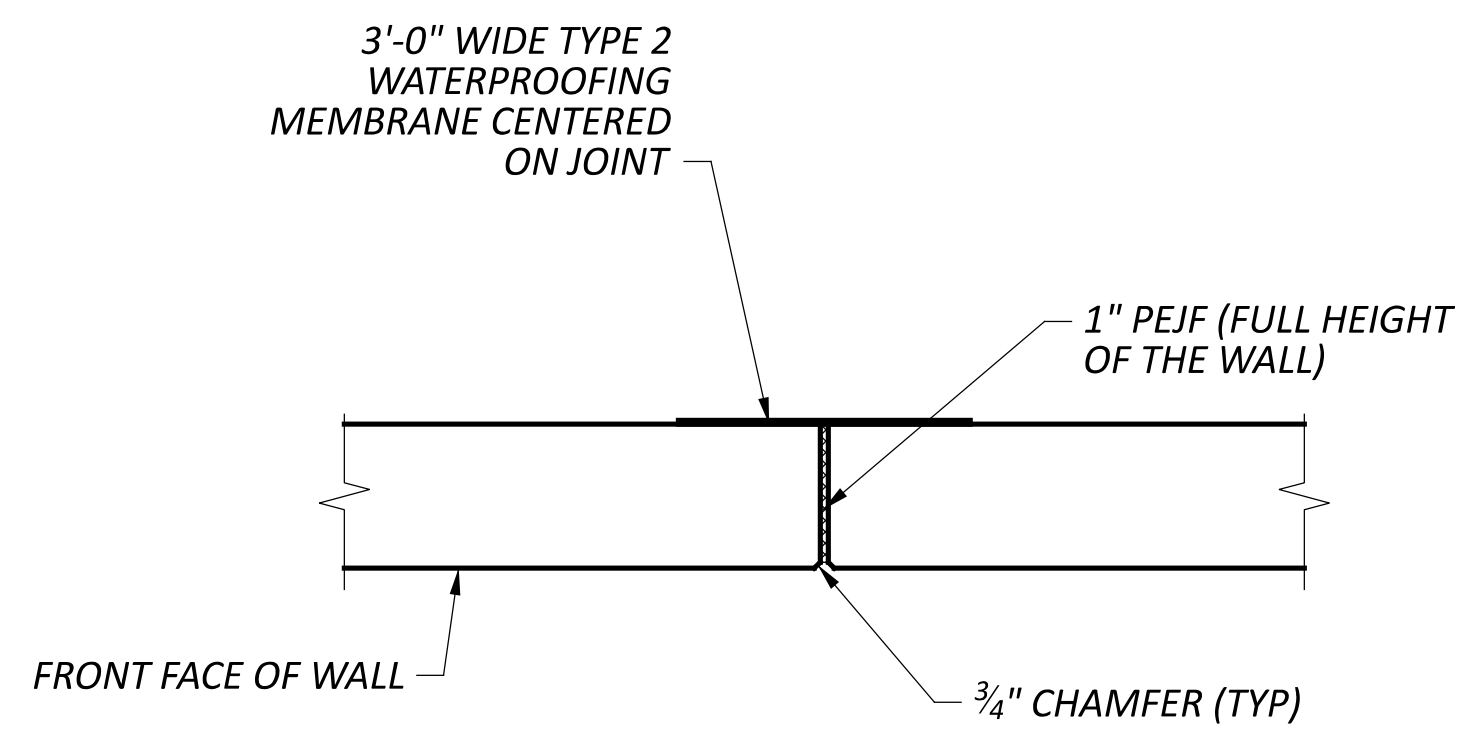


**PLAN AND PROFILE
RETAINING WALL NO 003C ALONG RAMP A
STA 5+41.82 TO STA 6+41.90**

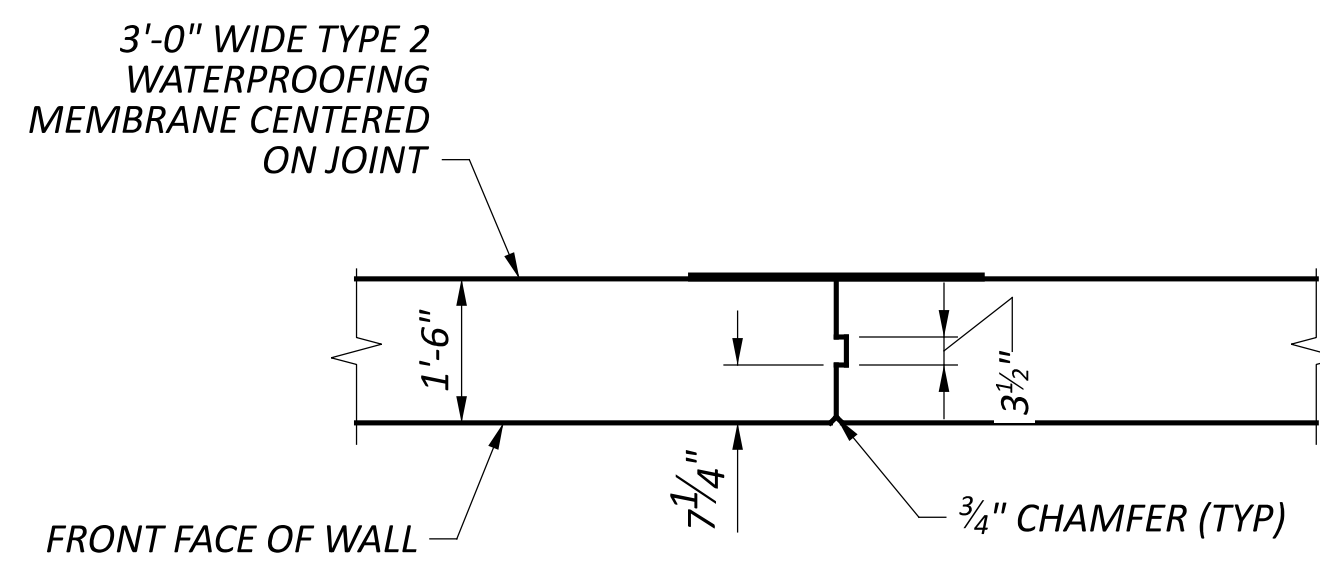
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
6	11
SHEET	TOTAL
P.332	463



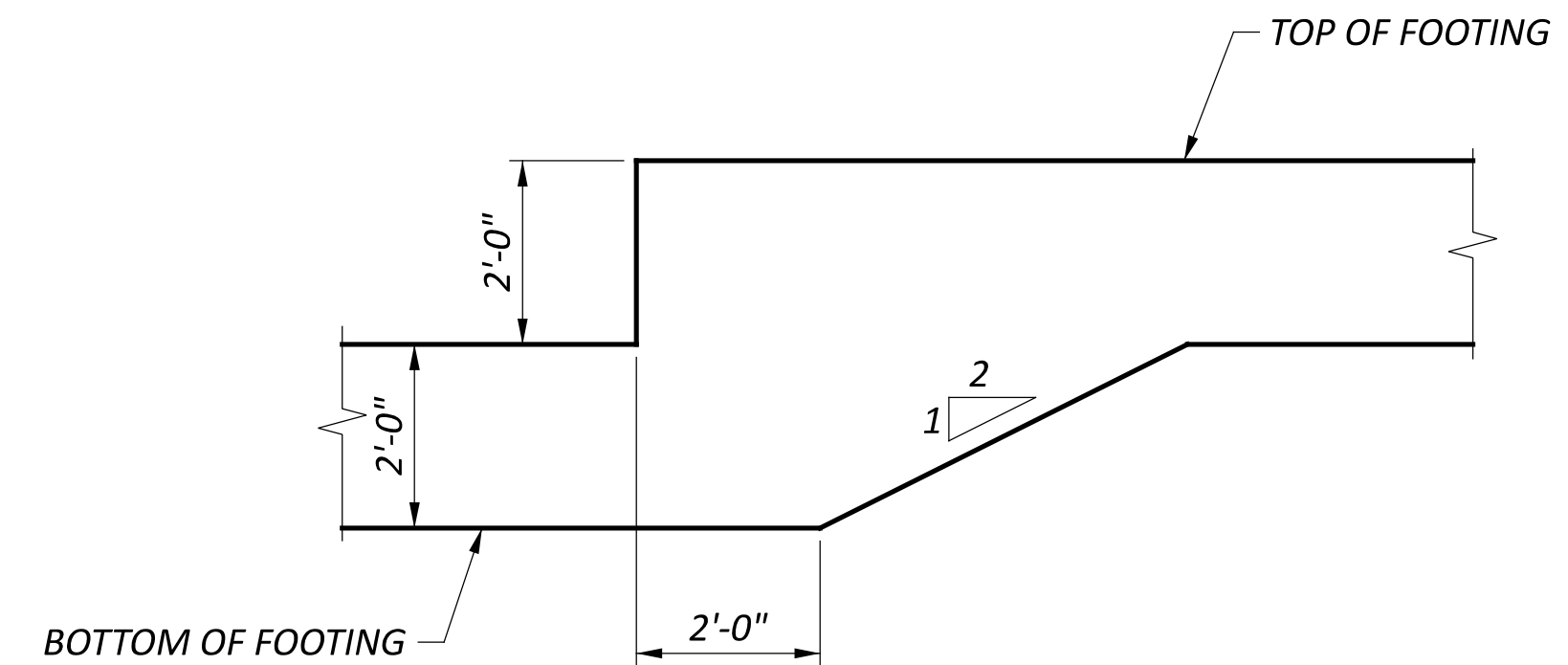
TYPICAL CAST-IN-PLACE SECTION WALL 003C



EXPANSION JOINT



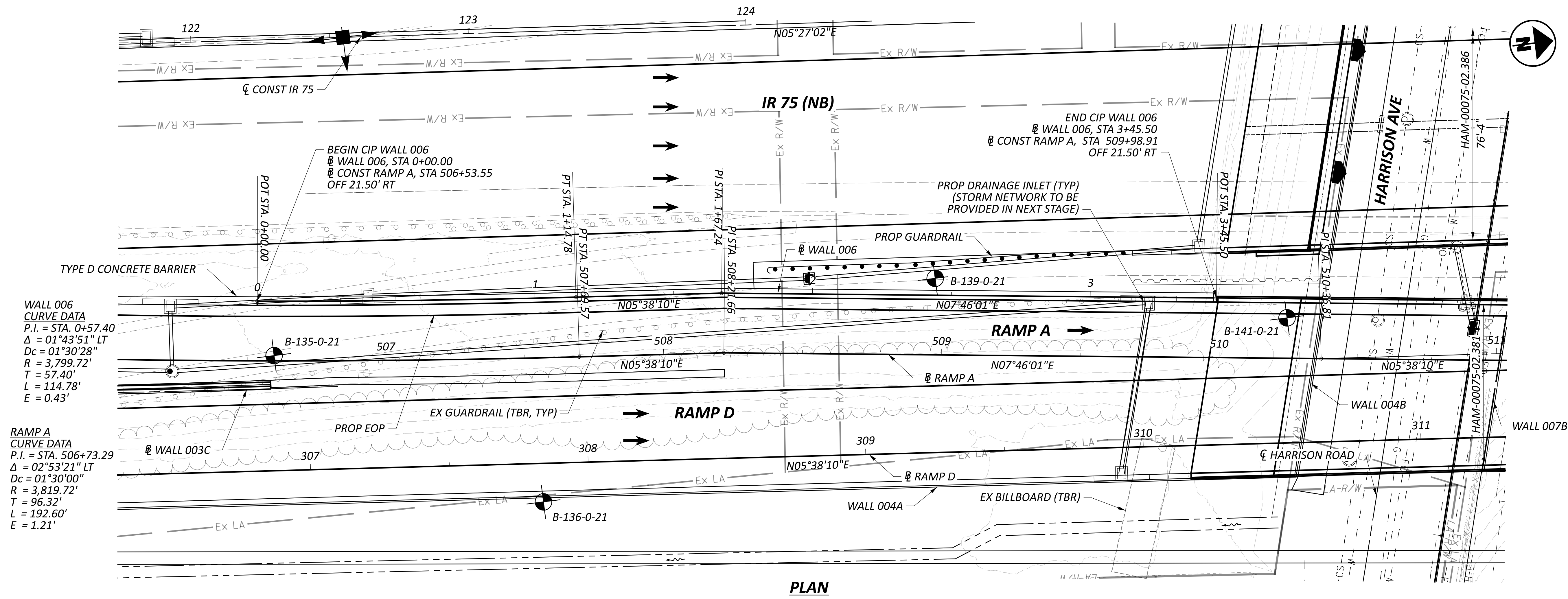
CONTRACTION JOINT



CAST IN PLACE WALL FOUNDATION STEP DETAIL

WALL SECTIONS
 RETAINING WALL NO 003C
 ALONG RAMP A

SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	CAS
CHECKER	JGM
REVIEWER	
PROJECT ID	114161
SUBSET	7
TOTAL	11
SHEET	P.333
TOTAL	463

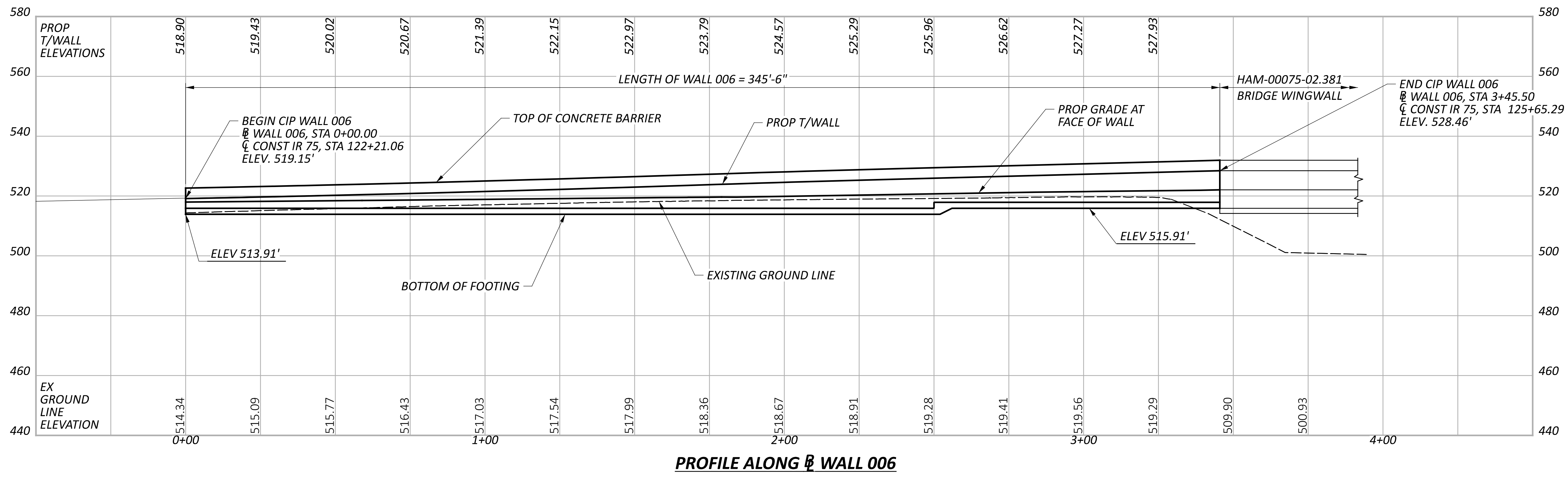


WALL 006 CURVE DATA
 P.I. = STA. 0+57.40
 $\Delta = 01^{\circ}43'51''$ LT
 $D_c = 01^{\circ}30'28''$
 $R = 3,799.72'$
 $T = 57.40'$
 $L = 114.78'$
 $E = 0.43'$

RAMP A CURVE DATA
 P.I. = STA. 506+73.29
 $\Delta = 02^{\circ}53'21''$ LT
 $D_c = 01^{\circ}30'00''$
 $R = 3,819.72'$
 $T = 96.32'$
 $L = 192.60'$
 $E = 1.21'$

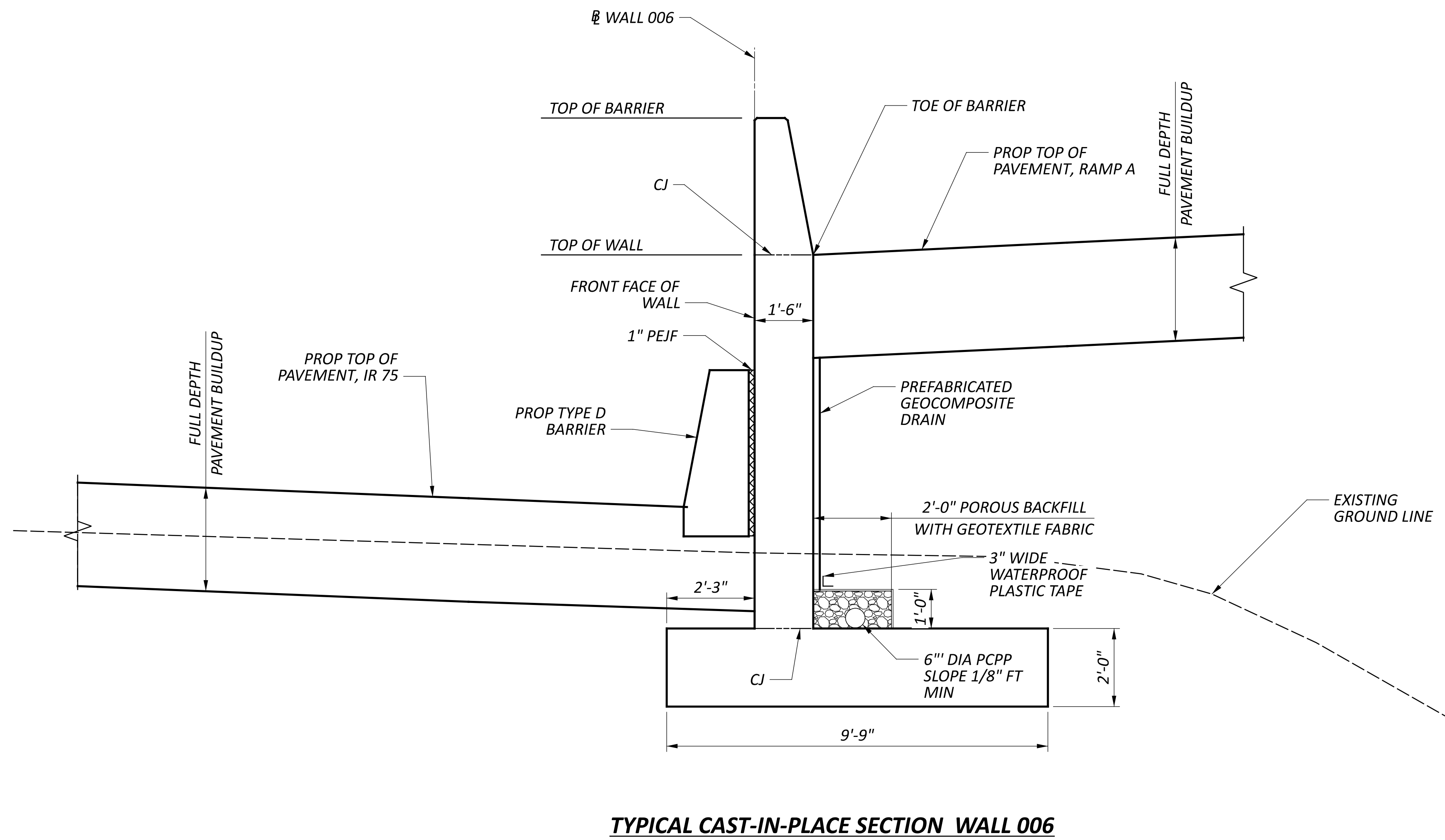
NOTES:

1. ALL STATIONS, OFFSETS, ELEVATIONS AND DIMENSIONS MEASURED ABOUT THE BASELINE OF CIP WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL BE PROVIDED IN STAGE 2.

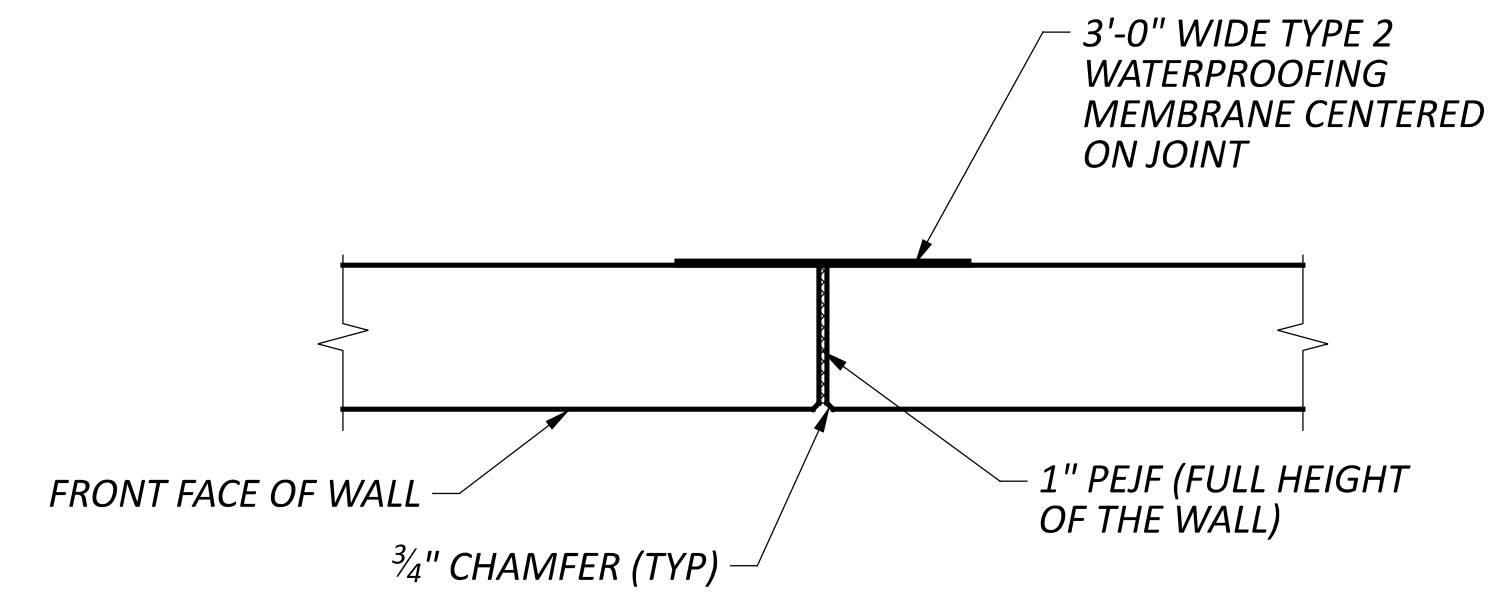


PROFILE ALONG \bar{W} WALL 006

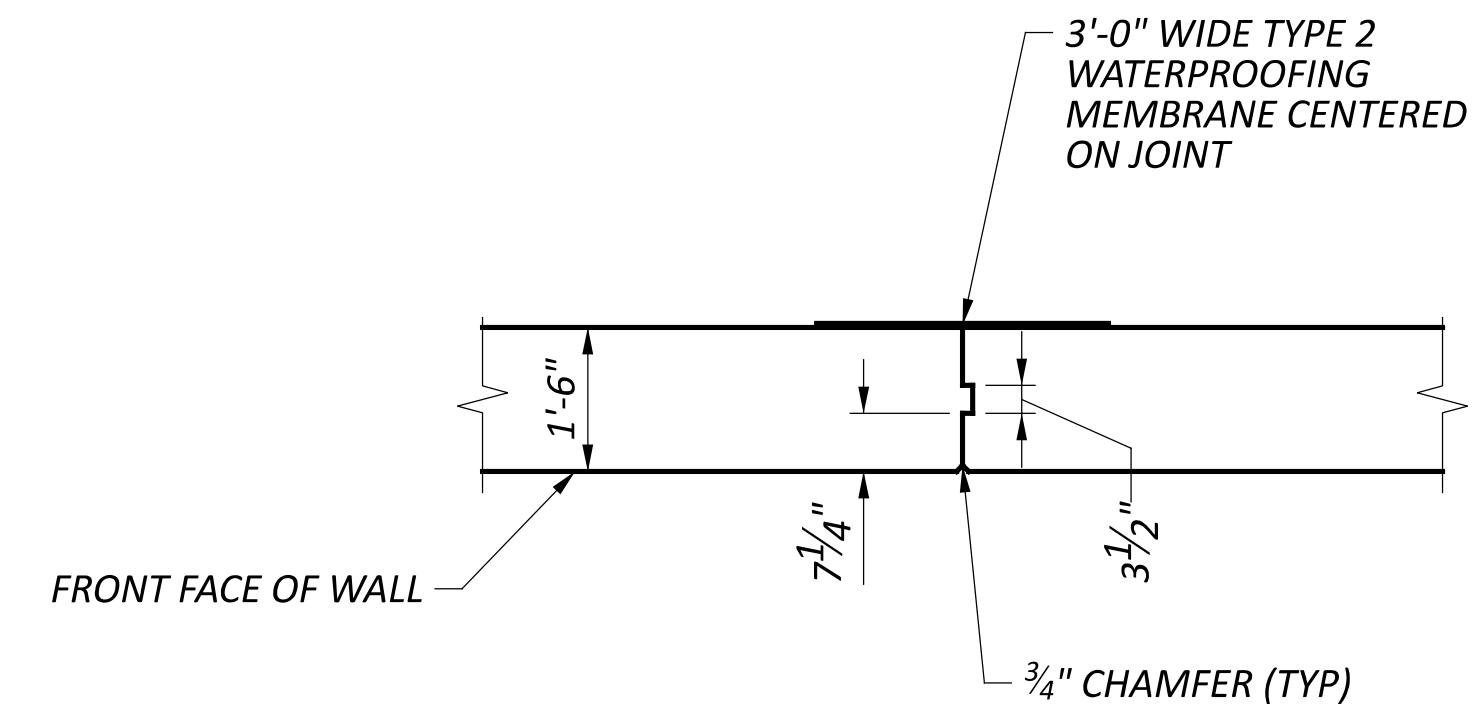
DESIGNER	AI	CHECKER	JGM
REVIEWER	CAS 06/21/24		
PROJECT ID	114161		
SUBSET	8	TOTAL	11
SHEET	P.334	TOTAL	463



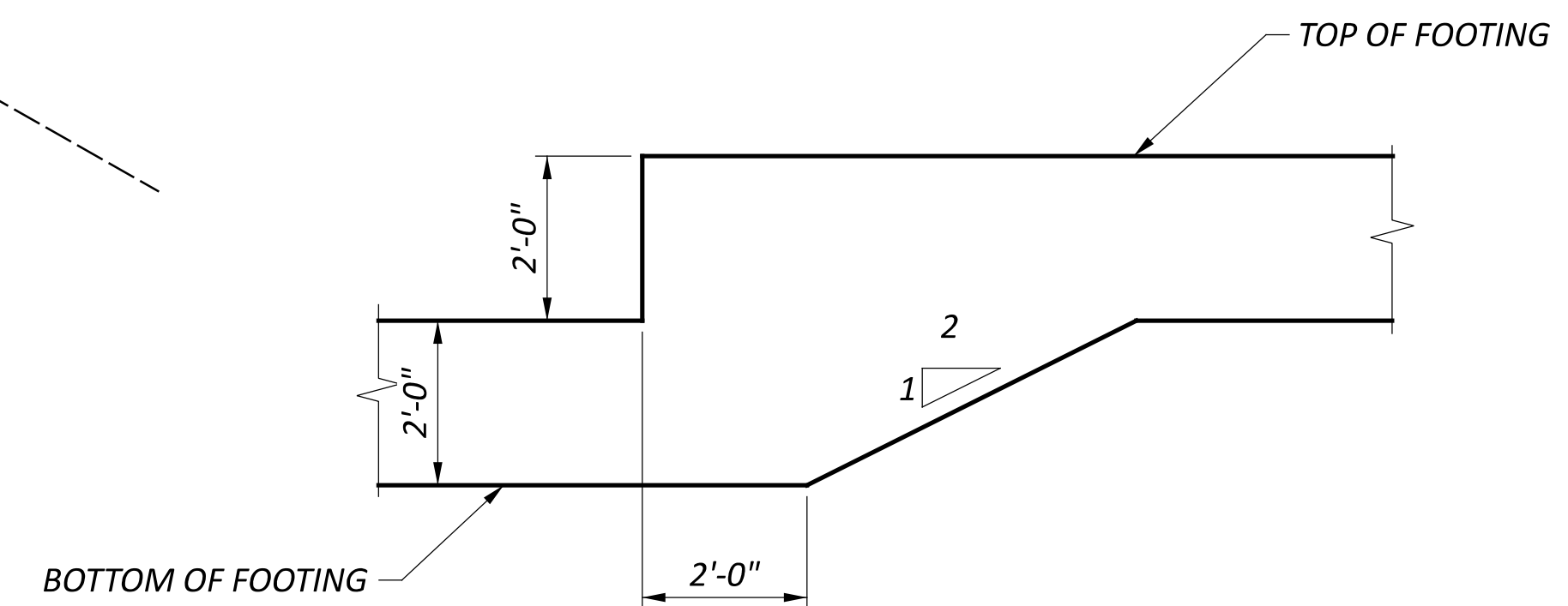
TYPICAL CAST-IN-PLACE SECTION WALL 006



EXPANSION JOINT

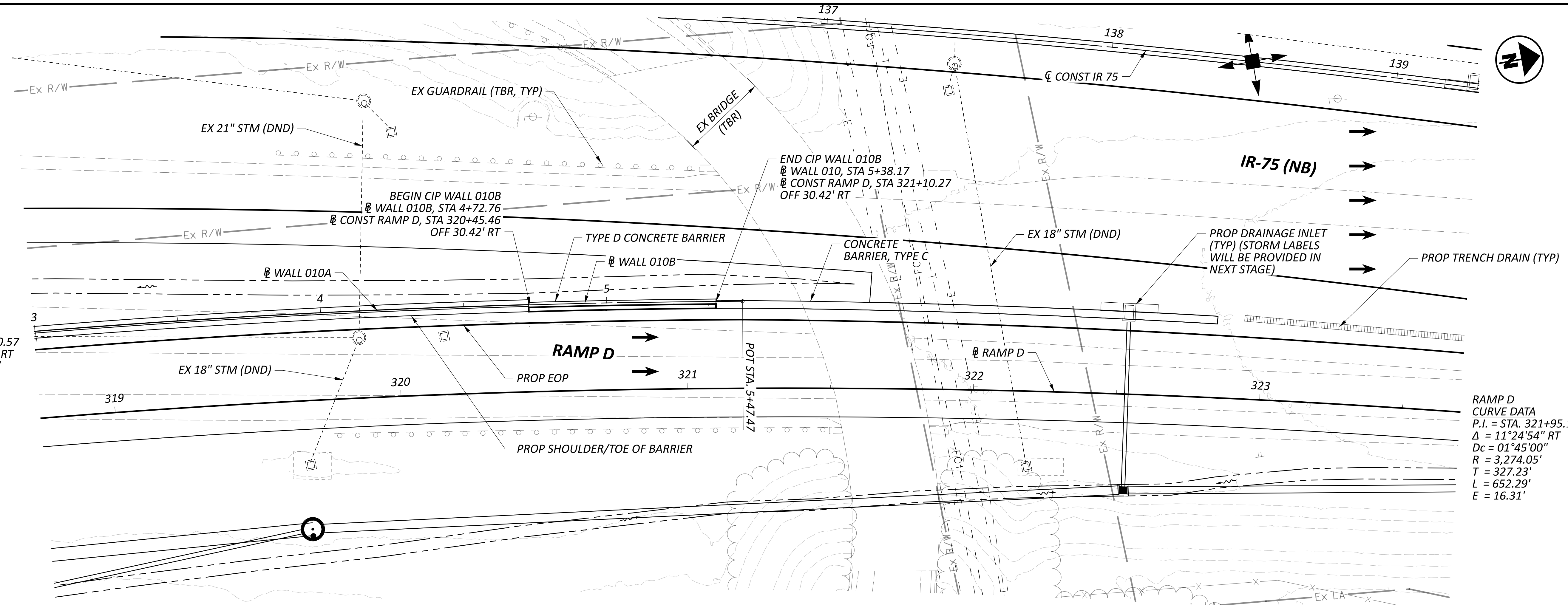


CONTRACTION JOINT



CAST IN PLACE WALL FOUNDATION STEP DETAIL

SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
9	11
SHEET	TOTAL
P.335	463



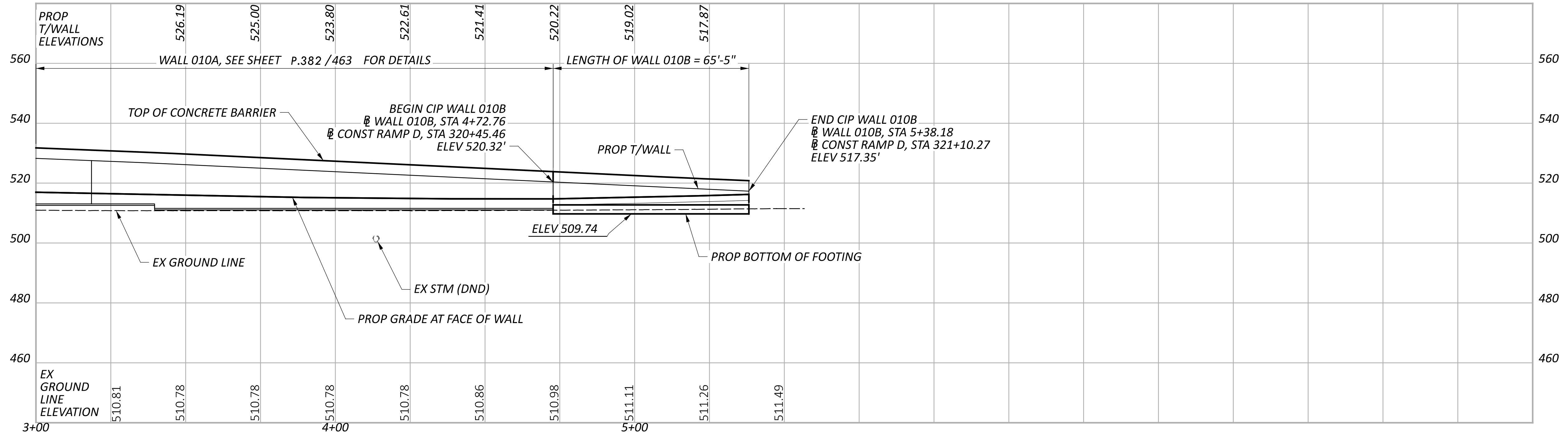
WALL 010B
 CURVE DATA
 P.I. = STA. 4+20.57
 $\Delta = 04^{\circ}24'10''$ RT
 $D_c = 01^{\circ}44'02''$
 $R = 3,304.48'$
 $T = 127.03'$
 $L = 253.93'$
 $E = 2.44'$

RAMP D
 CURVE DATA
 P.I. = STA. 321+95.12
 $\Delta = 11^{\circ}24'54''$ RT
 $D_c = 01^{\circ}45'00''$
 $R = 3,274.05'$
 $T = 327.23'$
 $L = 652.29'$
 $E = 16.31'$

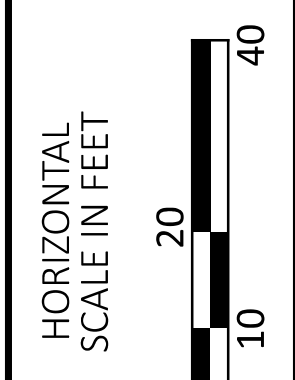
PLAN

NOTES:

1. ALL STATIONS, OFFSETS, ELEVATIONS AND DIMENSIONS MEASURED ABOUT THE BASELINE OF CIP WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL BE PROVIDED IN STAGE 2.

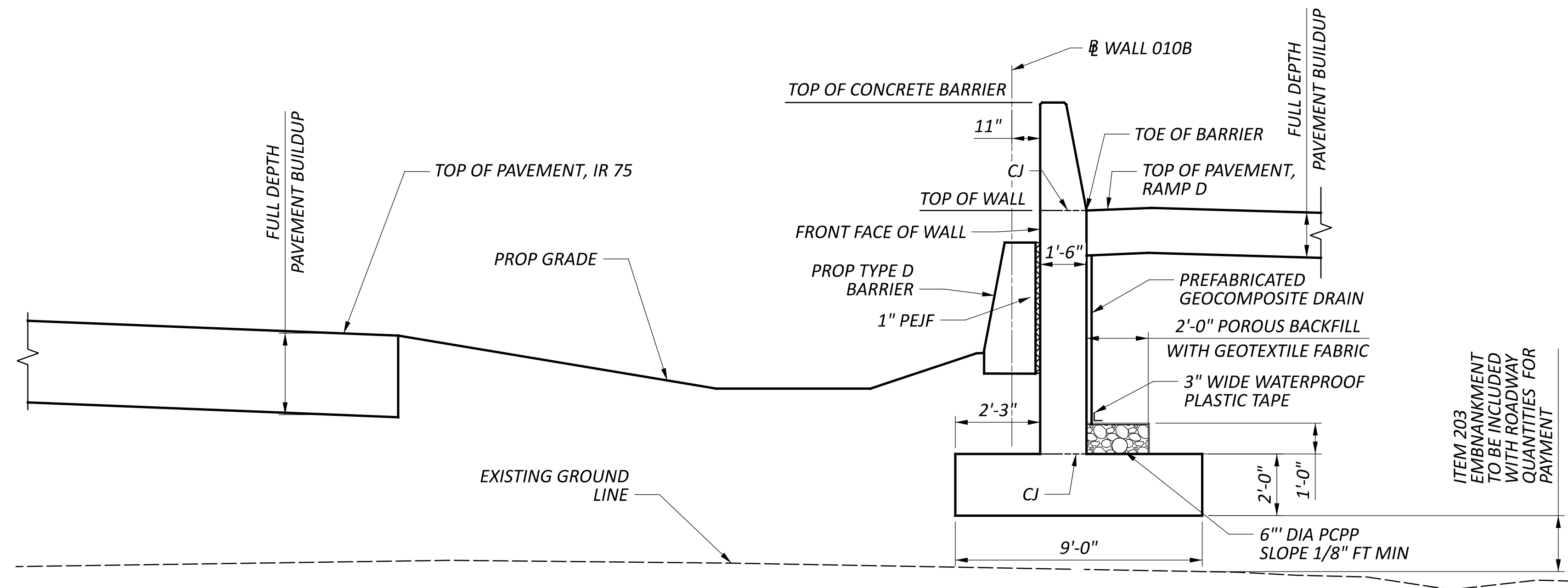


PROFILE ALONG @ WALL 010B

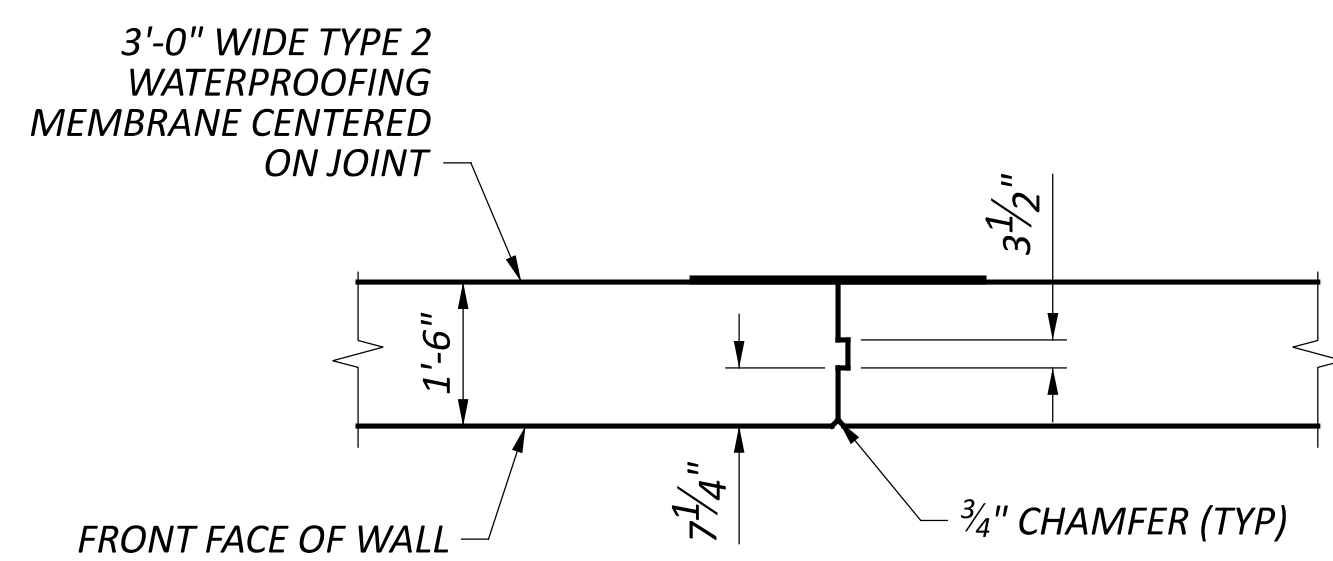


PLAN AND PROFILE
RETAINING WALL NO 010B ALONG RAMP D
STA 4+72.76 TO STA 5+38.18

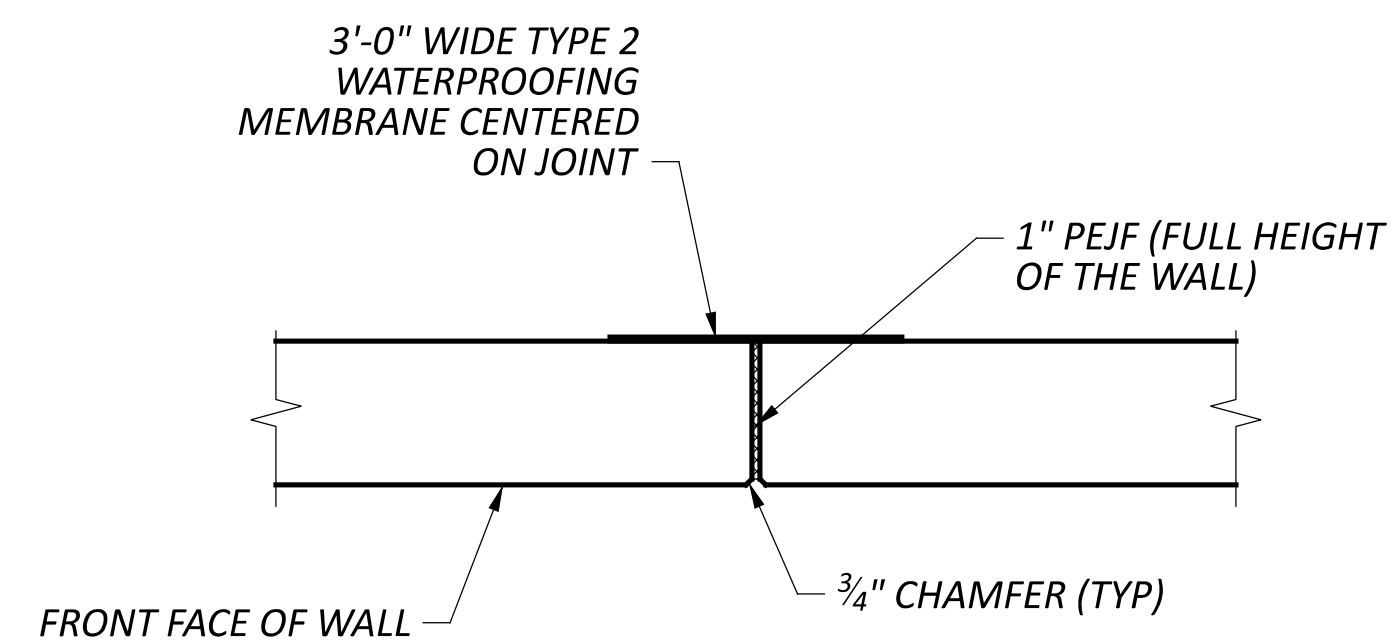
SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	AI
CHECKER	JGM
REVIEWER	CAS
PROJECT ID	114161
SUBSET	10
TOTAL	11
SHEET	P.336
TOTAL	463



TYPICAL CAST-IN-PLACE SECTION WALL 010B



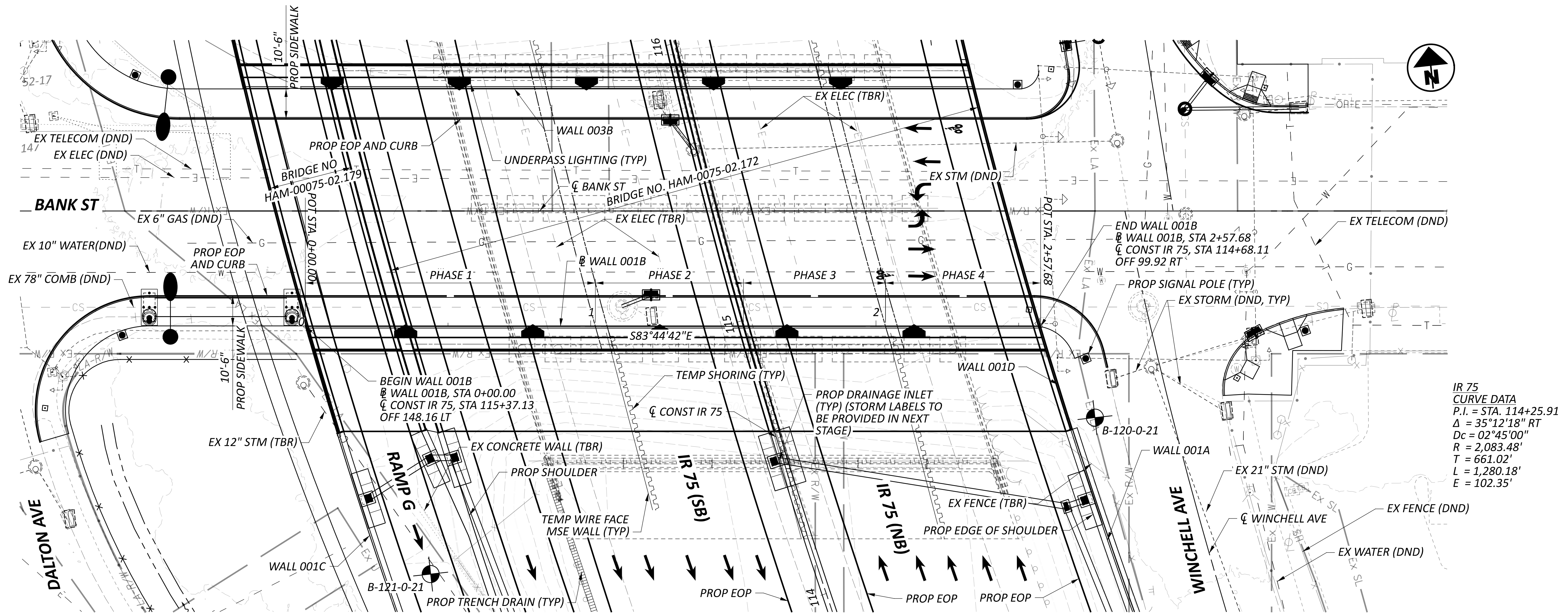
CONTRACTION JOINT



EXPANSION JOINT

**WALL SECTIONS
 RETAINING WALL NO 010B
 ALONG RAMP D**

SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	CAS
CHECKER	JGM
REVIEWER	CAS
PROJECT ID	114161
SUBSET	11
TOTAL	11
SHEET	P.337
TOTAL	463

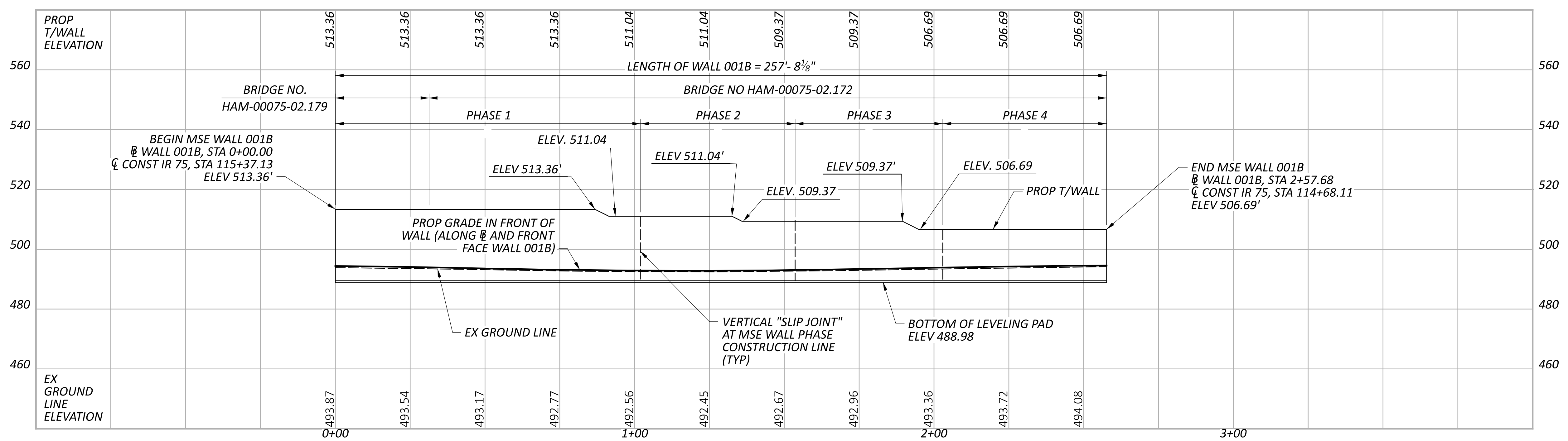


IR 75
 CURVE DATA
 P.I. = STA. 114+25.91
 $\Delta = 35^{\circ}12'18''$ RT
 $D_c = 02^{\circ}45'00''$
 $R = 2,083.48'$
 $T = 661.02'$
 $L = 1,280.18'$
 $E = 102.35'$

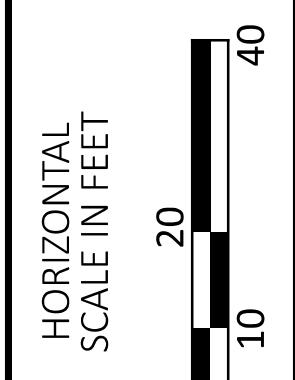
NOTES:

1. DIMENSIONS MEASURED ALONG BASELINE OF WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL BE PROVIDED IN STAGE 2.

PLAN

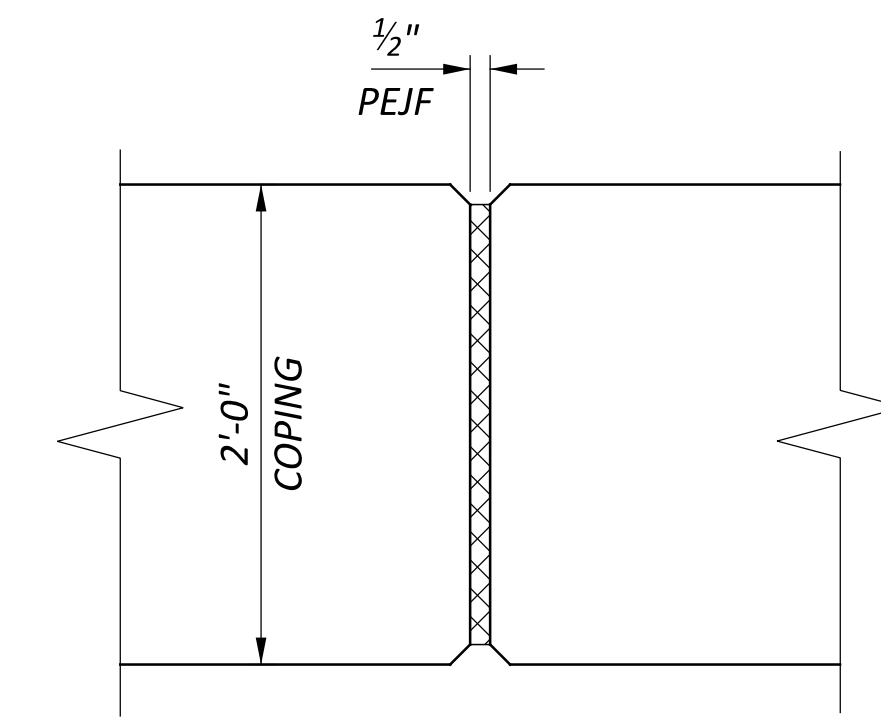
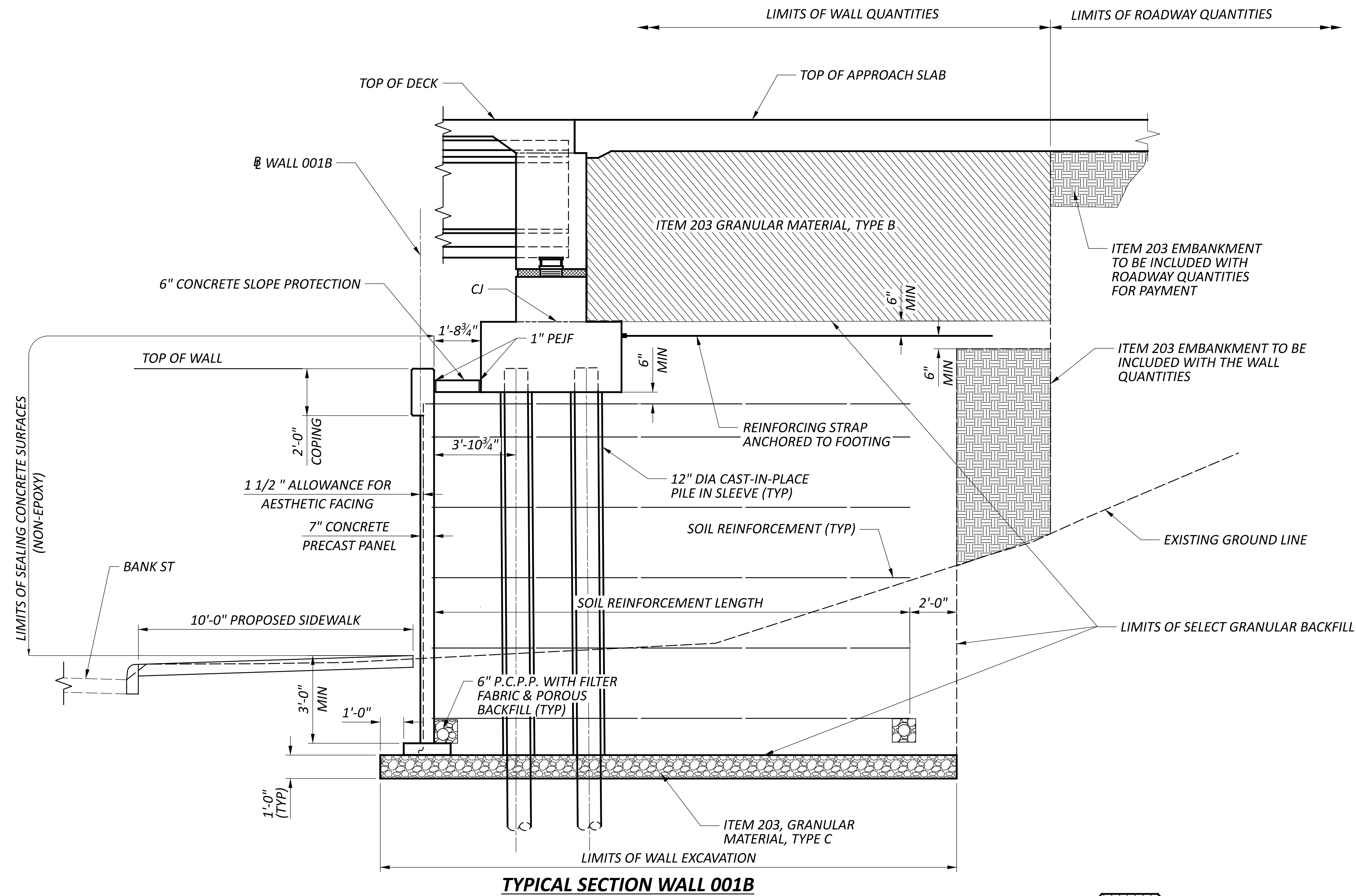


PROFILE ALONG \bar{B} WALL 001B

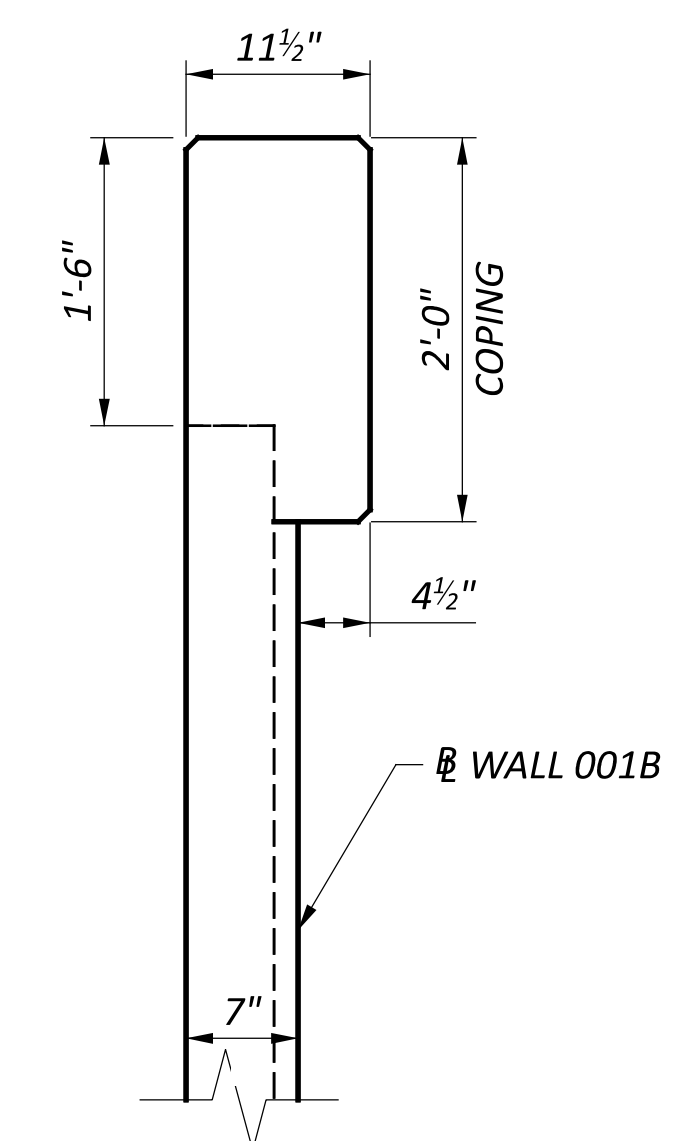


PLAN AND PROFILE
RETAINING WALL NO 001B ALONG IR 75 AND BANK STREET
STA 0+00.00 TO STA 2+57.68

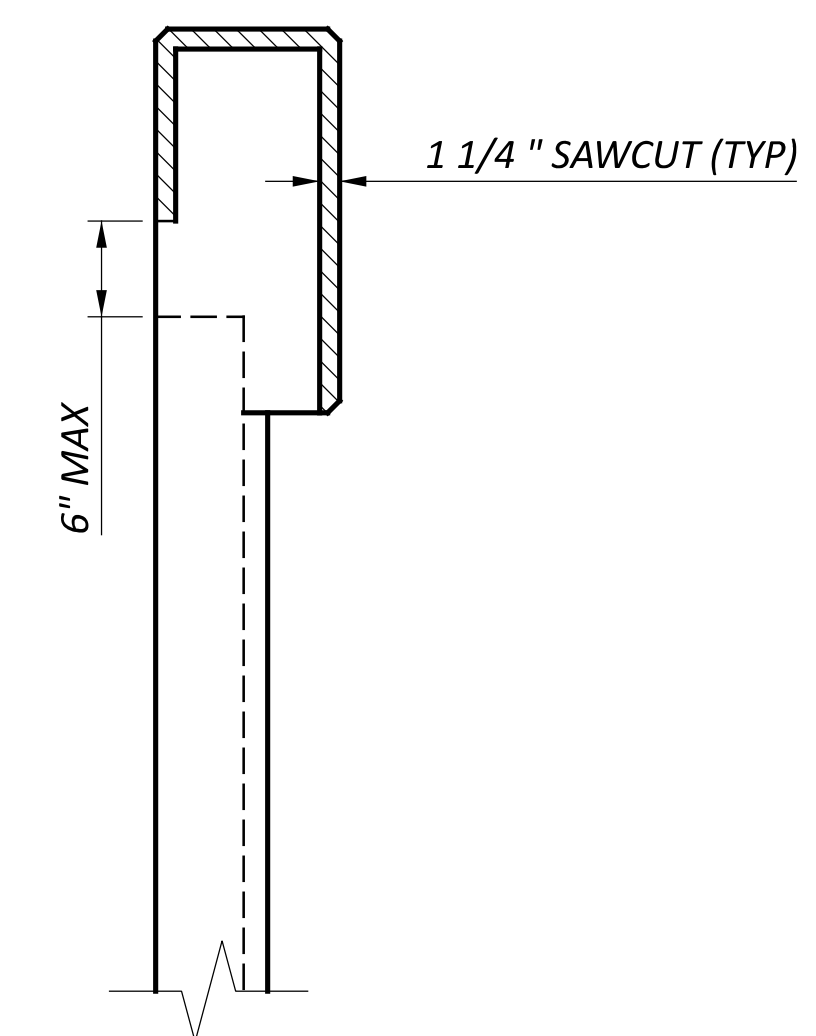
SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	AI
CHECKER	JGM
REVIEWER	CAS
PROJECT ID	114161
SUBSET	1
TOTAL	45
SHEET	P.338
TOTAL	463



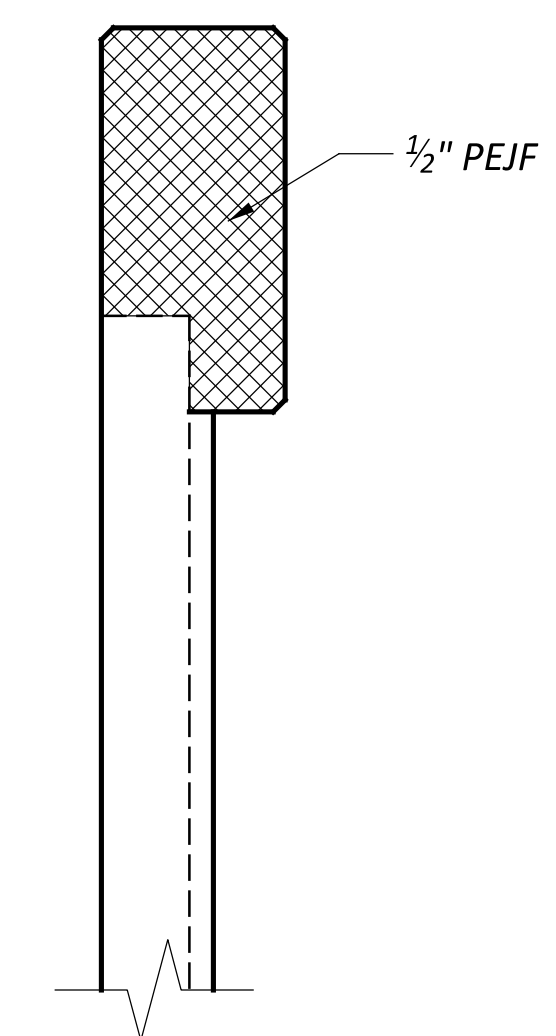
COPING EXPANSION JOINT



MSE WALL COPING DETAIL



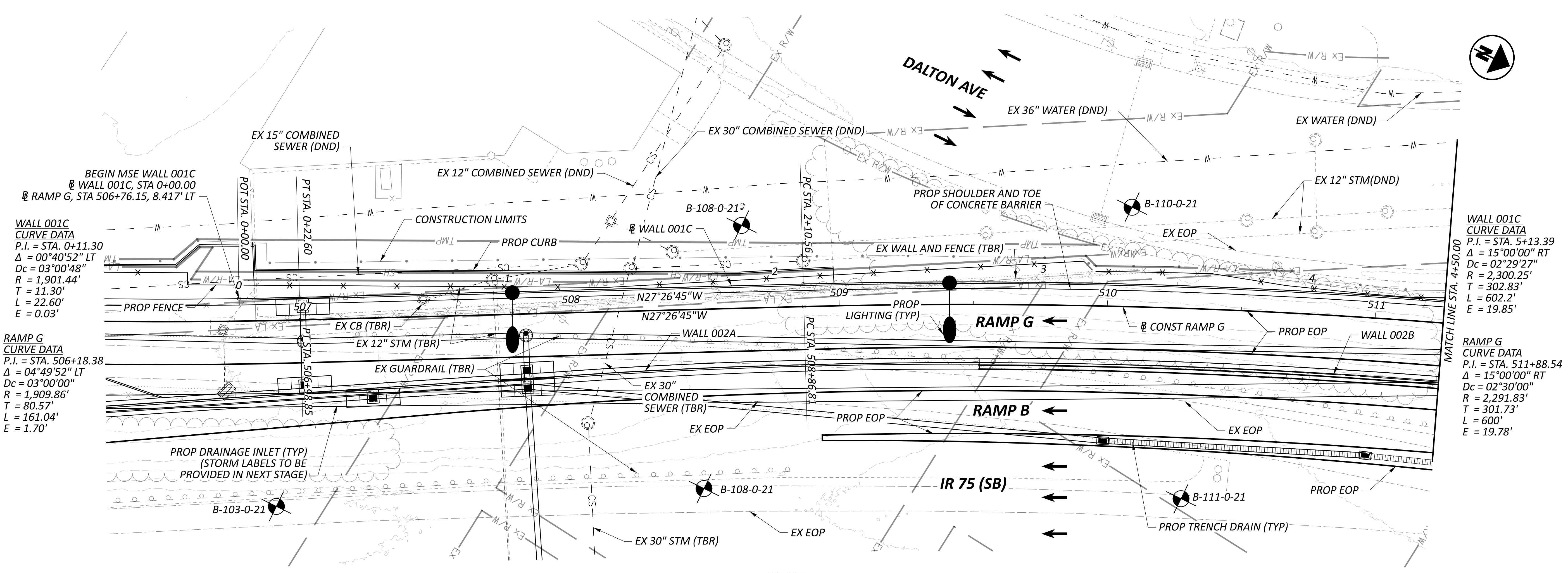
COPING CONTRACTION JOINT DETAIL



COPING EXPANSION JOINT DETAIL

WALL SECTIONS
RETAINING WALL NO 001B
ALONG IR 75 AND BANK STREET

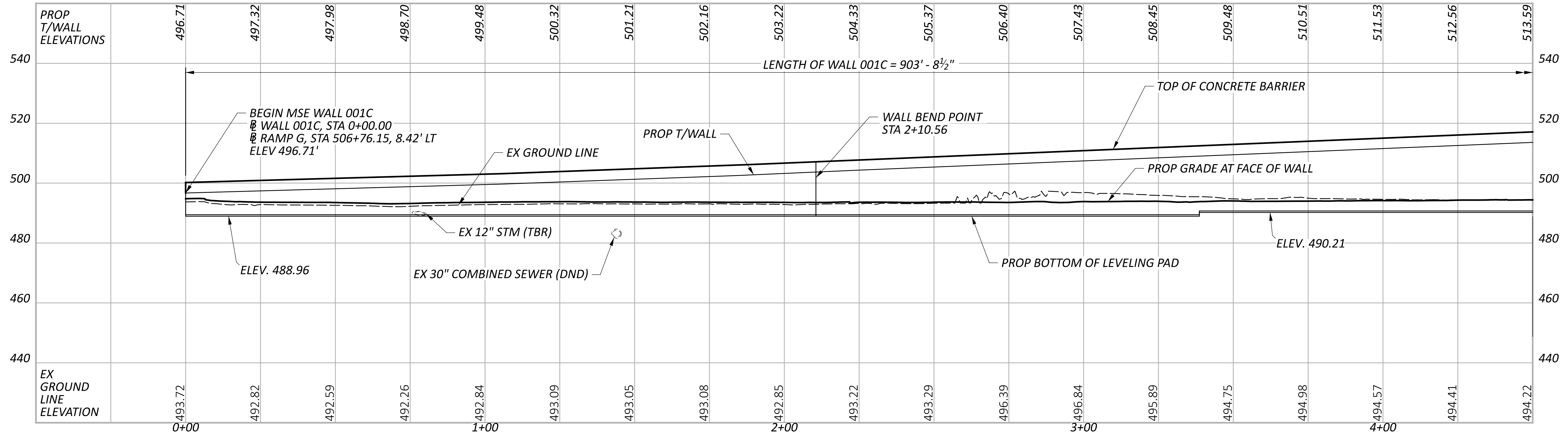
SFN		N/A	
DESIGN AGENCY			
EMHT			
DESIGNER	CHECKER	REVIEWER	
AI	JGM	CAS 06/21/24	
PROJECT ID			
114161			
SUBSET	TOTAL		
2	45		
SHEET	TOTAL		
P.339	463		



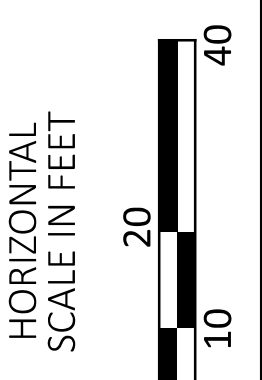
PLAN

NOTES:

1. DIMENSIONS MEASURED ALONG BASELINE OF WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL BE PROVIDED IN STAGE 2.



PROFILE ALONG @ WALL 001C



PLAN AND PROFILE
 RETAINING WALL NO 001C ALONG RAMP G
 STA 0+00.00 TO STA 4+50.00

DESIGNER	CHECKER
AI	JGM
REVIEWER	CAS
DATE	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
3	45
SHEET	TOTAL
P.340	463

WALL 001C CURVE DATA
 P.I. = STA. 5+67.64
 $\Delta = 17^\circ 42' 58''$ RT
 $D_c = 02^\circ 29' 27''$
 $R = 2,300.25'$
 $L_c = 602.20'$
 $T_s = 357.08'$
 $E_s = 27.55'$
 $S.C. = 2+10.56$
 $C.S. = 8+12.76$

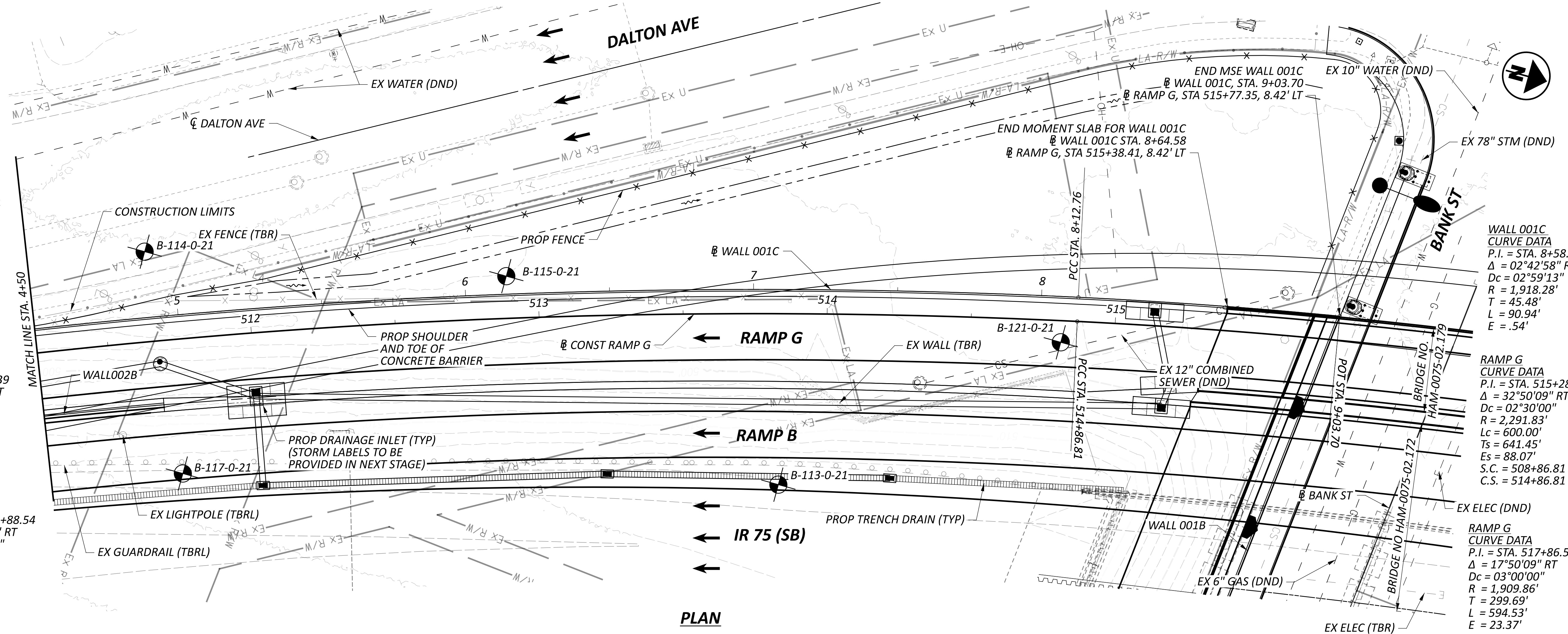
WALL 001C CURVE DATA
 P.I. = STA. 5+13.39
 $\Delta = 15^\circ 00' 00''$ RT
 $D_c = 02^\circ 29' 27''$
 $R = 2,300.25'$
 $T = 302.83'$
 $L = 602.2'$
 $E = 19.85'$

RAMP G CURVE DATA
 P.I. = STA. 511+88.54
 $\Delta = 15^\circ 00' 00''$ RT
 $D_c = 02^\circ 30' 00''$
 $R = 2,291.83'$
 $T = 301.73'$
 $L = 600'$
 $E = 19.78'$

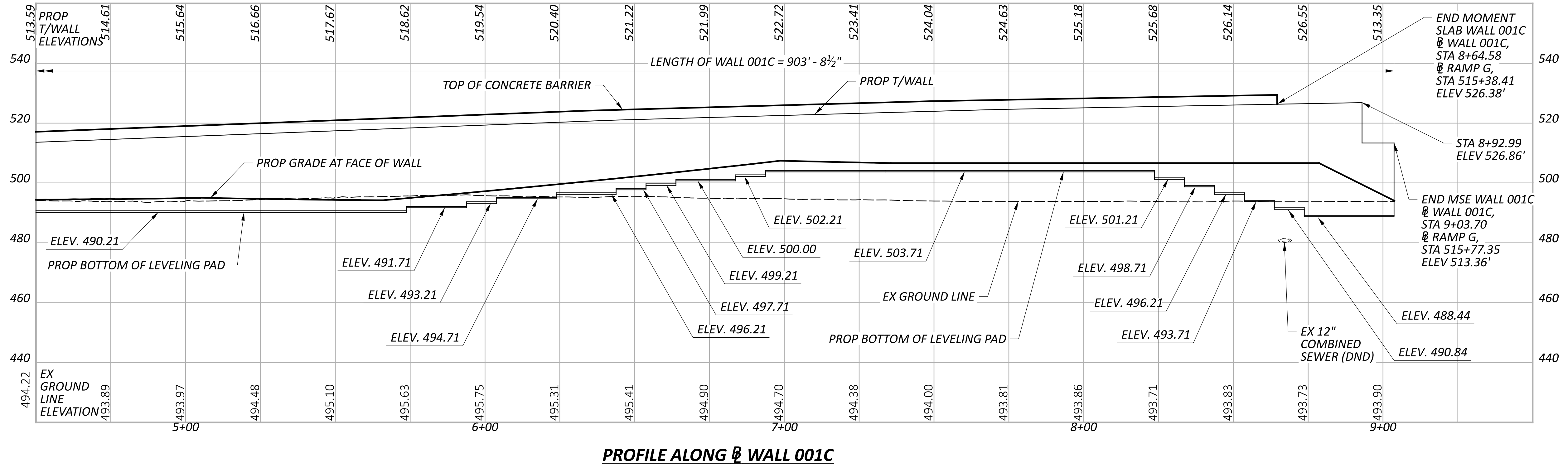
WALL 001C CURVE DATA
 P.I. = STA. 8+58.24
 $\Delta = 02^\circ 42' 58''$ RT
 $D_c = 02^\circ 59' 13''$
 $R = 1,918.28'$
 $T = 45.48'$
 $L = 90.94'$
 $E = .54'$

RAMP G CURVE DATA
 P.I. = STA. 515+28.26
 $\Delta = 32^\circ 50' 09''$ RT
 $D_c = 02^\circ 30' 00''$
 $R = 2,291.83'$
 $L_c = 600.00'$
 $T_s = 641.45'$
 $E_s = 88.07'$
 $S.C. = 508+86.81$
 $C.S. = 514+86.81$

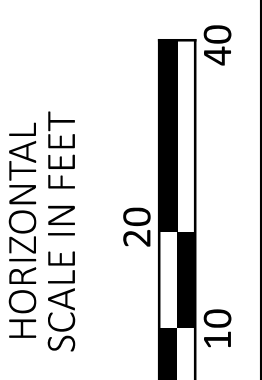
RAMP G CURVE DATA
 P.I. = STA. 517+86.50
 $\Delta = 17^\circ 50' 09''$ RT
 $D_c = 03^\circ 00' 00''$
 $R = 1,909.86'$
 $T = 299.69'$
 $L = 594.53'$
 $E = 23.37'$



- NOTES:**
1. ALL DIMENSIONS MEASURED ALONG BASELINE OF WALL.
 2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL BE PROVIDED IN STAGE 2.

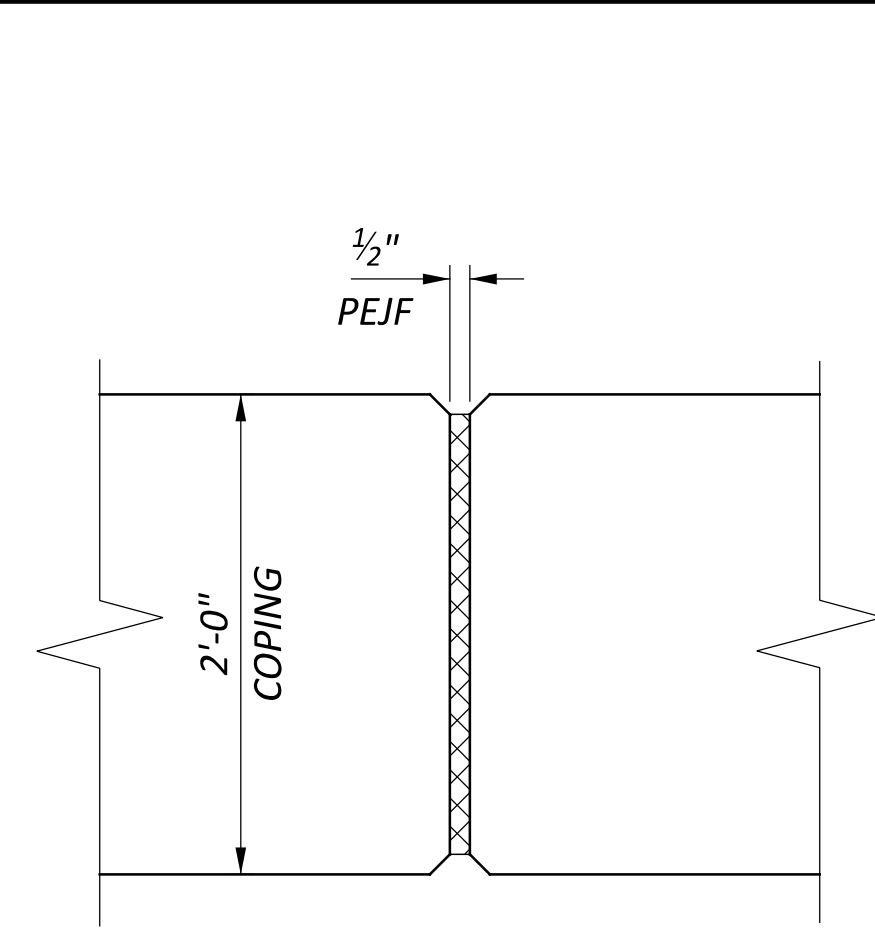


PROFILE ALONG WALL 001C

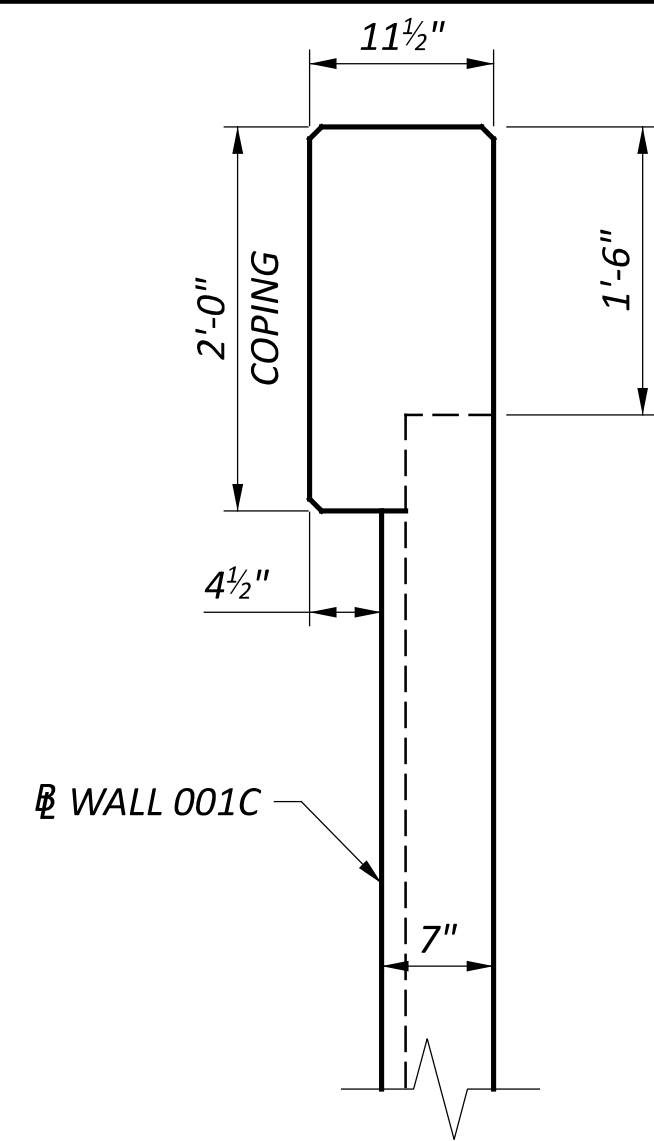


**PLAN AND PROFILE
 RETAINING WALL NO 001C ALONG RAMP G
 STA 4+50.00 TO END**

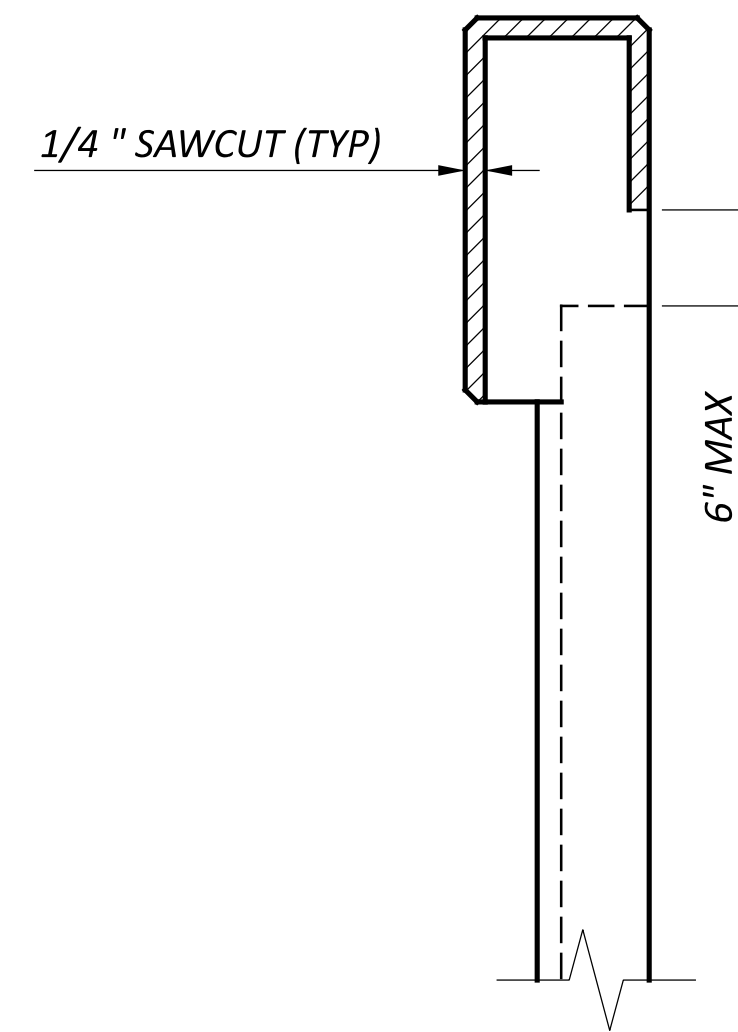
DESIGNER	AI	CHECKER	JGM
REVIEWER	CAS 06/21/24		
PROJECT ID	114161		
SUBSET	4	TOTAL	45
SHEET	P.341	TOTAL	463



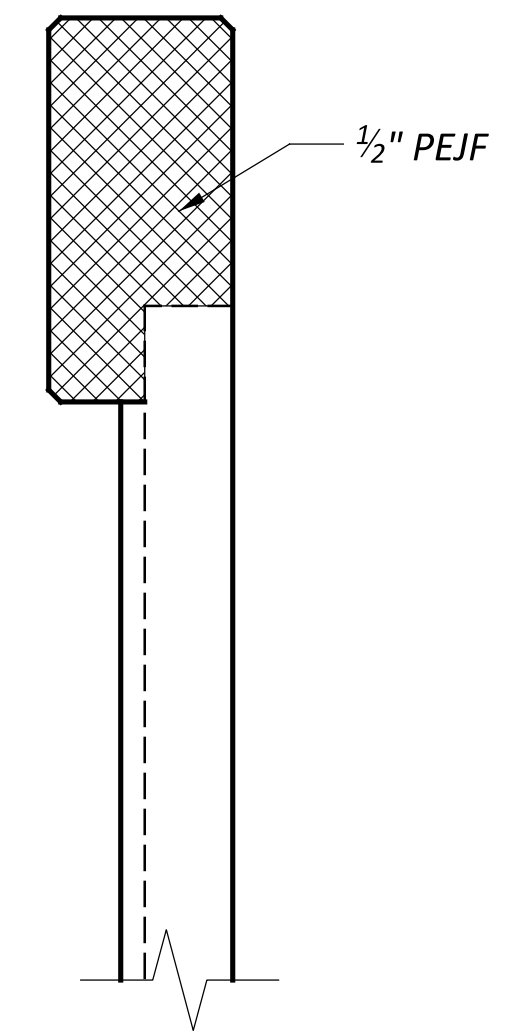
COPING EXPANSION JOINT



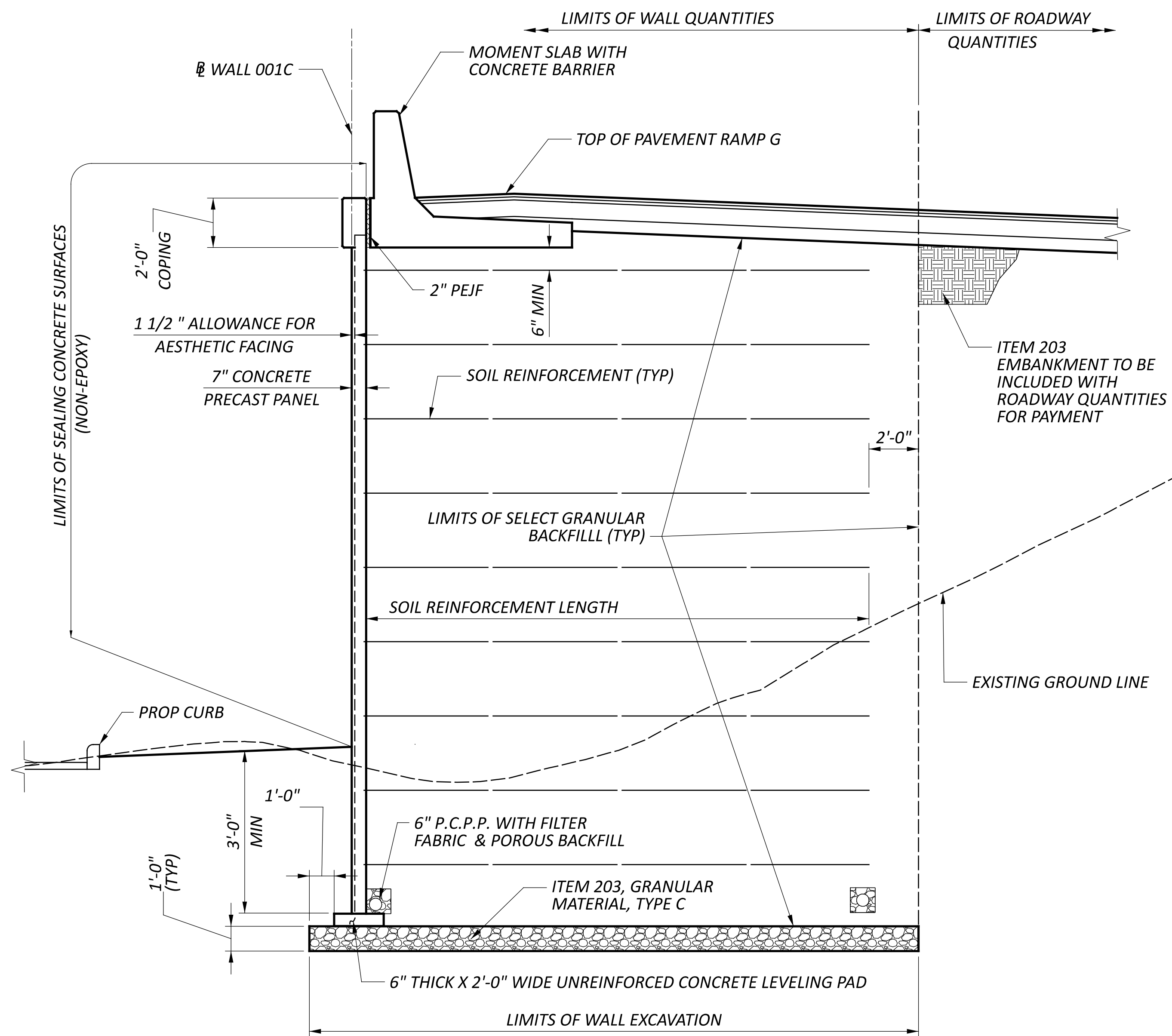
MSE WALL COPING



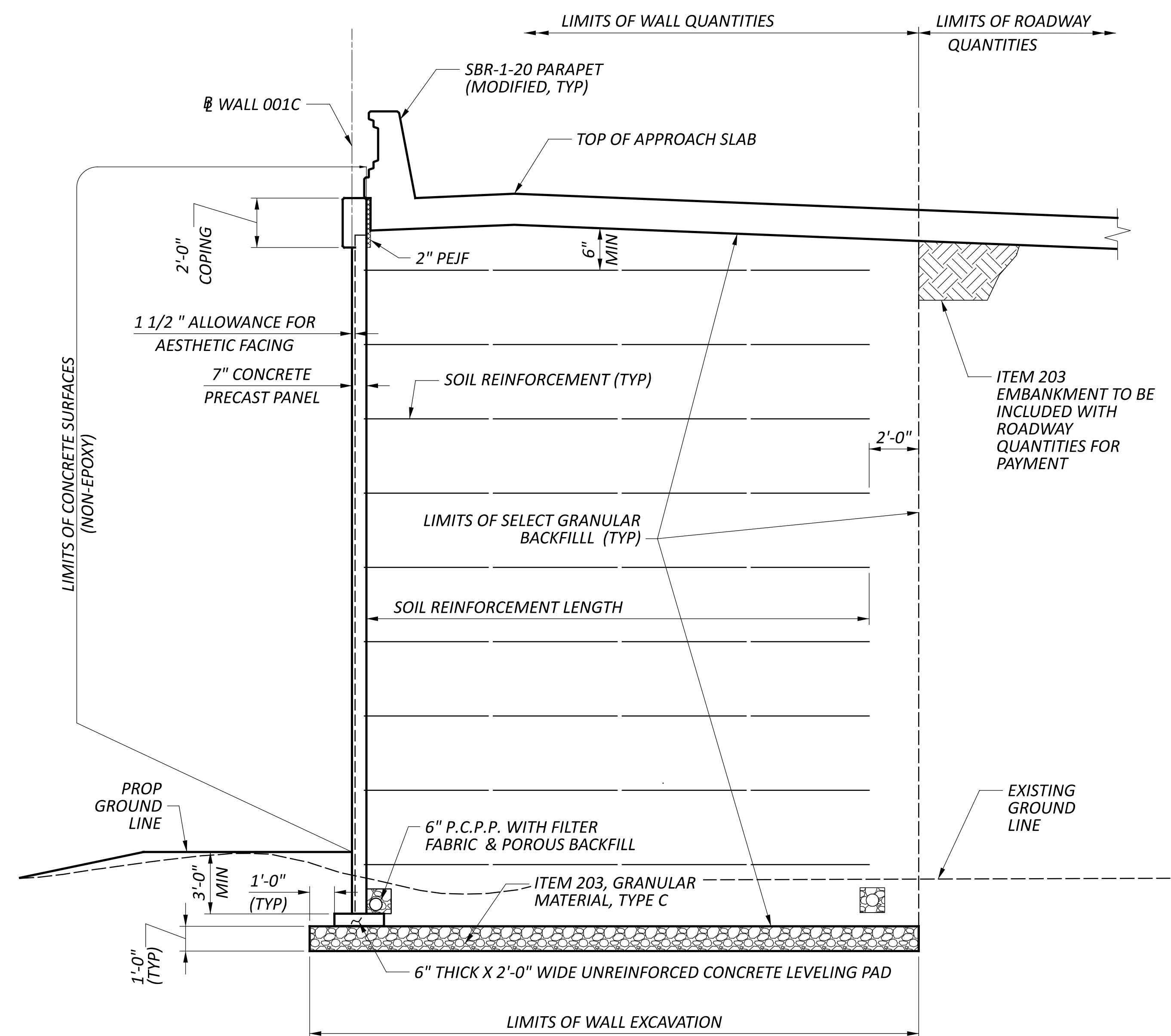
COPING CONTRACTION JOINTS



COPING EXPANSION JOINTS



TYPICAL SECTION WALL 001C
 (APPLIES STA 0+00.00 TO STA 8+64.58)



TYPICAL SECTION WALL 001C
 (APPLIES STA 8+64.58 TO STA 9+03.70)

WALL SECTIONS
RETAINING WALL NO 001C
ALONG WEST SIDE OF RAMP G

SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	CHECKER
AI	JGM
CAS	REVIEWER
06/21/24	
PROJECT ID	114161
SUBSET	TOTAL
5	45
SHEET	TOTAL
P.342	463

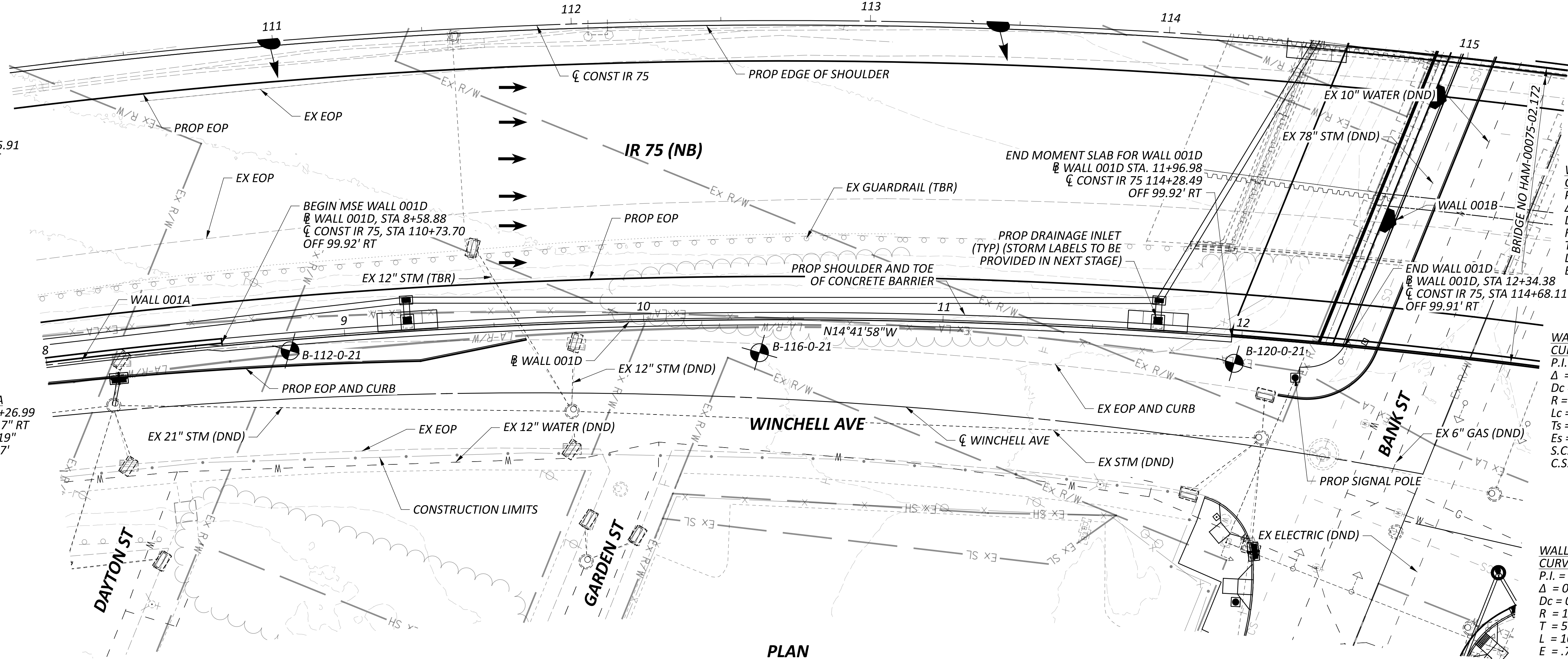
IR 75 CURVE DATA
 P.I. = STA. 114+25.91
 $\Delta = 35^\circ 12' 18''$ RT
 $D_c = 02^\circ 45' 00''$
 $R = 2,083.48'$
 $T = 661.02'$
 $L = 1,280.18'$
 $E = 102.35'$

WALL 001A CURVE DATA
 P.I. = STA. 8+26.99
 $\Delta = 15^\circ 03' 17''$ RT
 $D_c = 02^\circ 53' 19''$
 $R = 1,983.57'$
 $L = 262.11'$
 $T = 521.2'$
 $E = 17.24'$

WALL 001D CURVE DATA
 P.I. = STA. 12+15.68
 $\Delta = 01^\circ 04' 49''$ RT
 $D_c = 02^\circ 53' 19''$
 $R = 1,983.57'$
 $T = 18.7'$
 $L = 37.4'$
 $E = .09'$

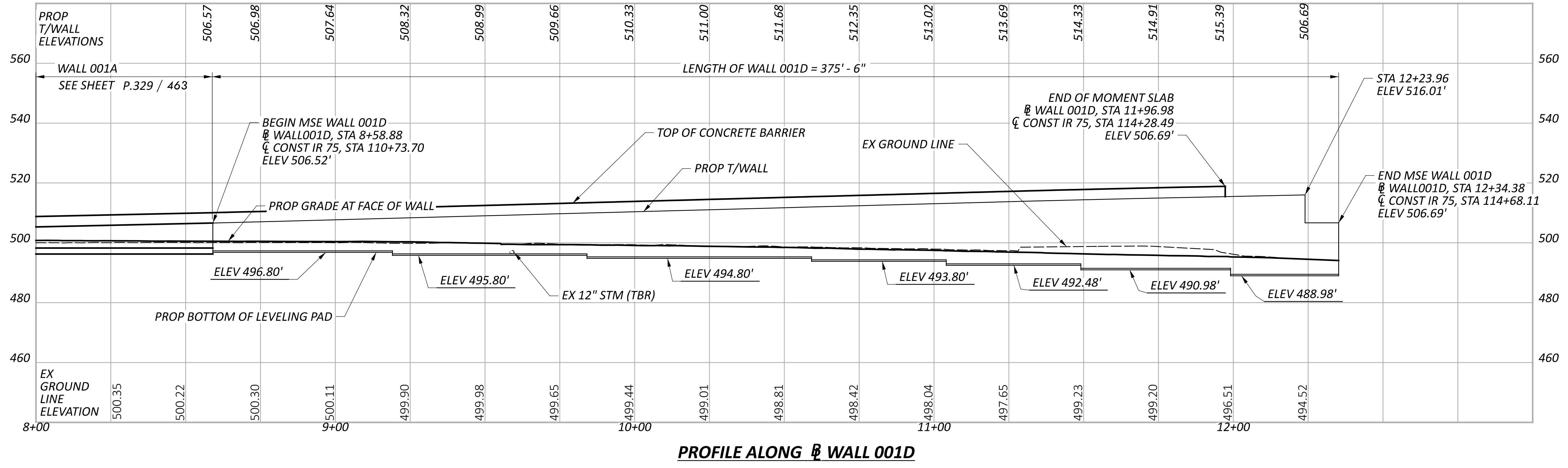
WALL 001D CURVE DATA
 P.I. = STA. 11+61.97
 $\Delta = 04^\circ 11' 06''$ RT
 $D_c = 02^\circ 53' 19''$
 $R = 1,983.57'$
 $L_c = 107.49'$
 $T_s = 72.48'$
 $E_s = 1.32'$
 $S.C.S. = 10+89.49$
 $C.S. = 11+96.99$

WALL 001D CURVE DATA
 P.I. = STA. 11+43.25
 $\Delta = 03^\circ 06' 18''$ RT
 $D_c = 02^\circ 53' 19''$
 $R = 1,983.57'$
 $T = 53.76'$
 $L = 107.49'$
 $E = .73'$

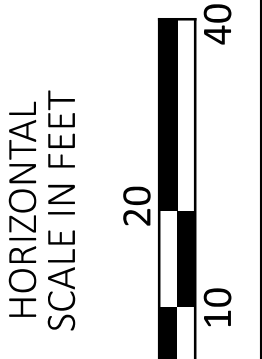


NOTES:

1. ALL DIMENSIONS ARE MEASURED ALONG BASELINE WALL 001D.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL PROVIDED AT STAGE 2.

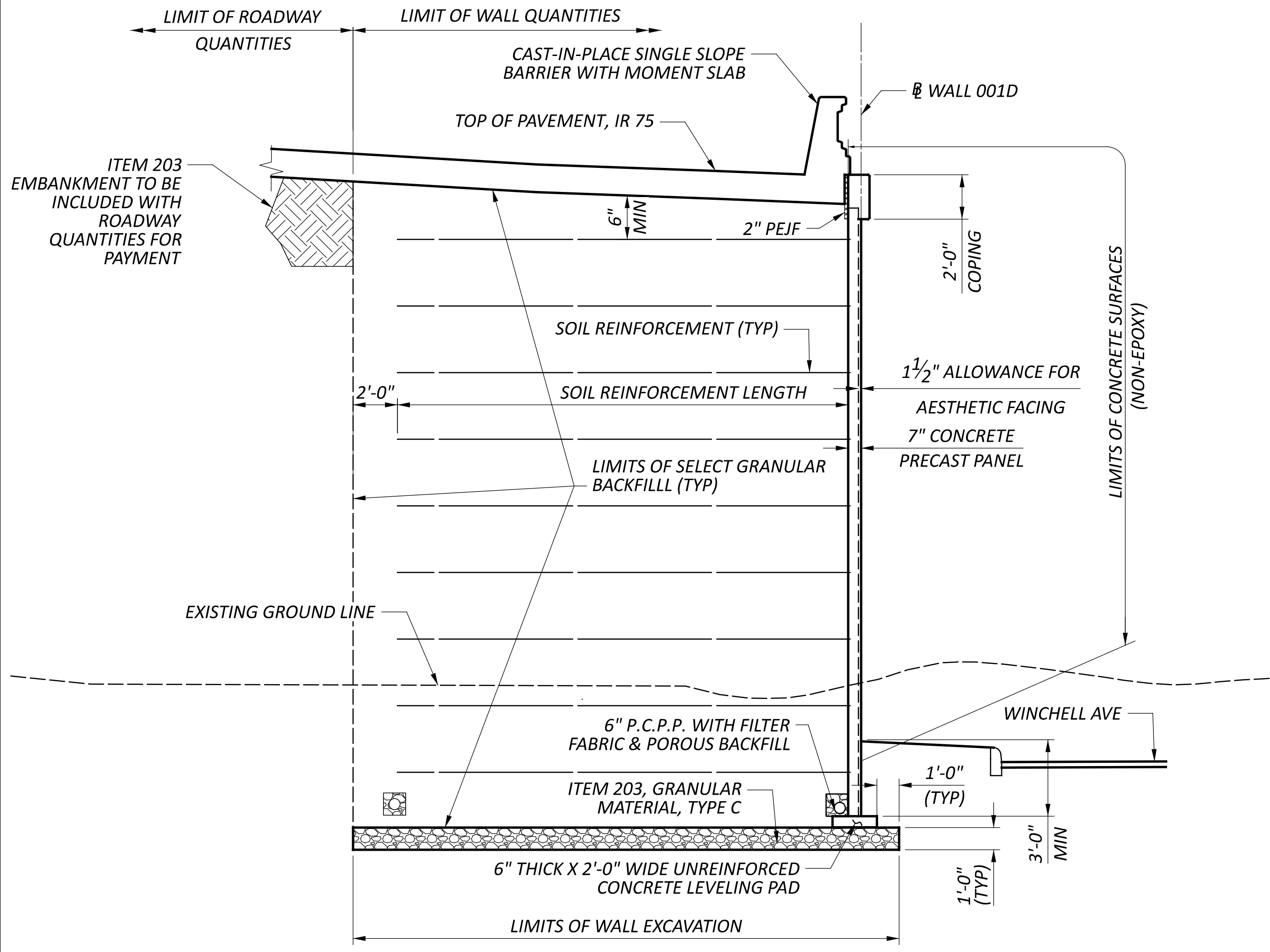


PROFILE ALONG @ WALL 001D

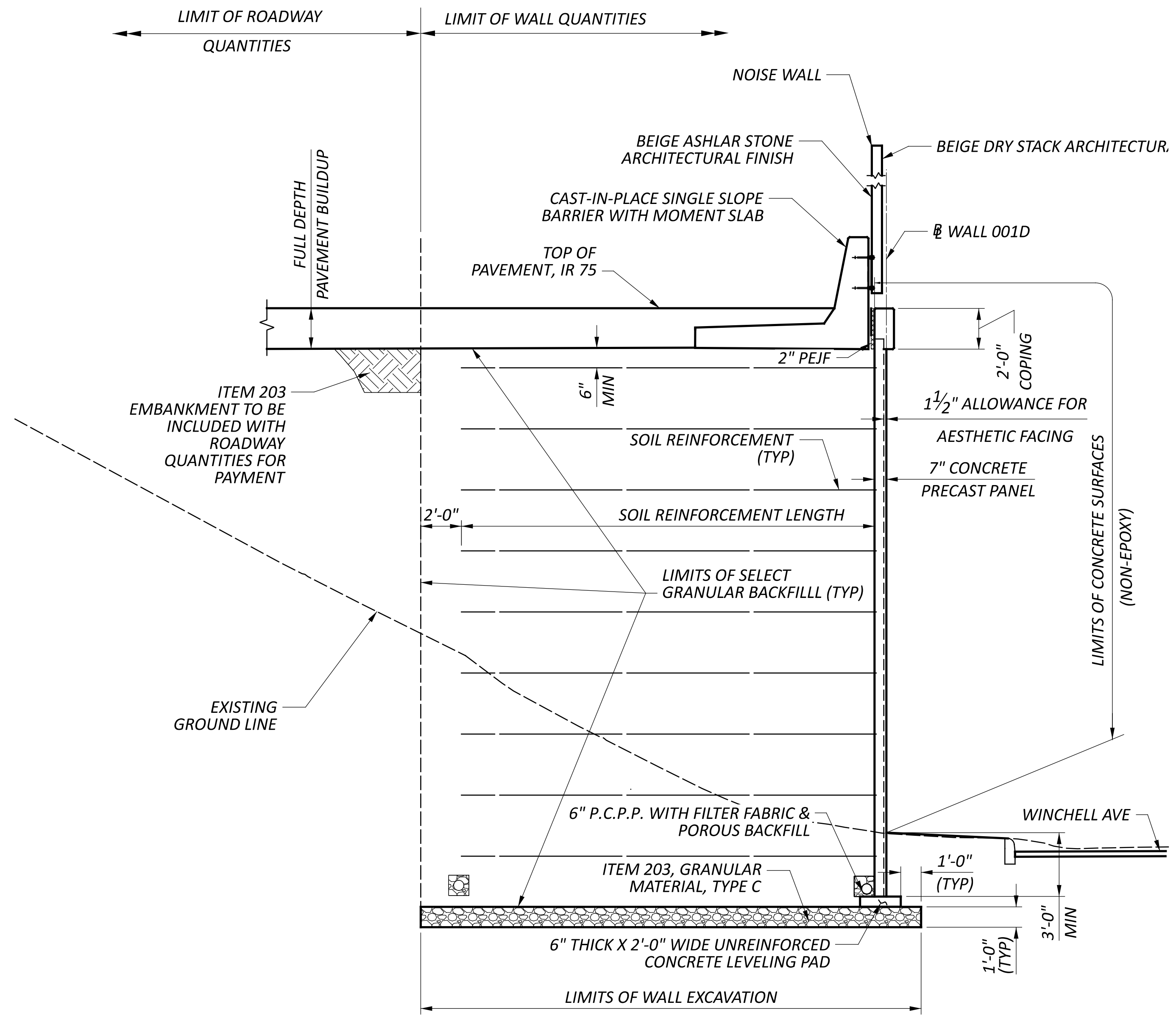


PLAN AND PROFILE
RETAINING WALL NO 001D ALONG IR 75
STA 8+58.88 TO STA 12+34.38

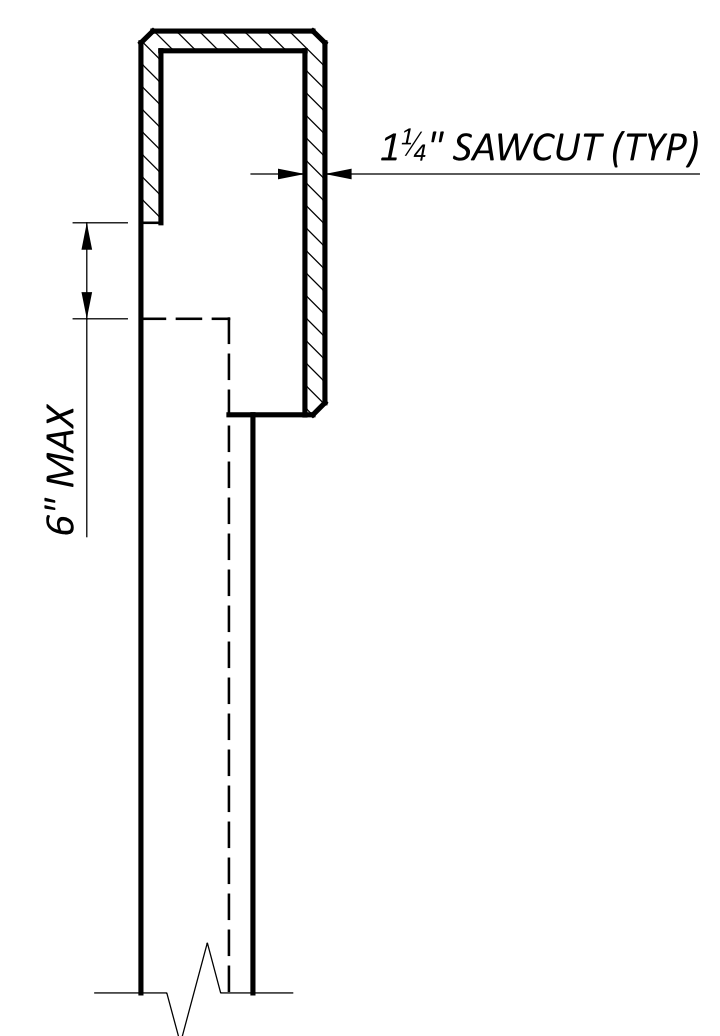
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
6	45
SHEET	TOTAL
P.343	463



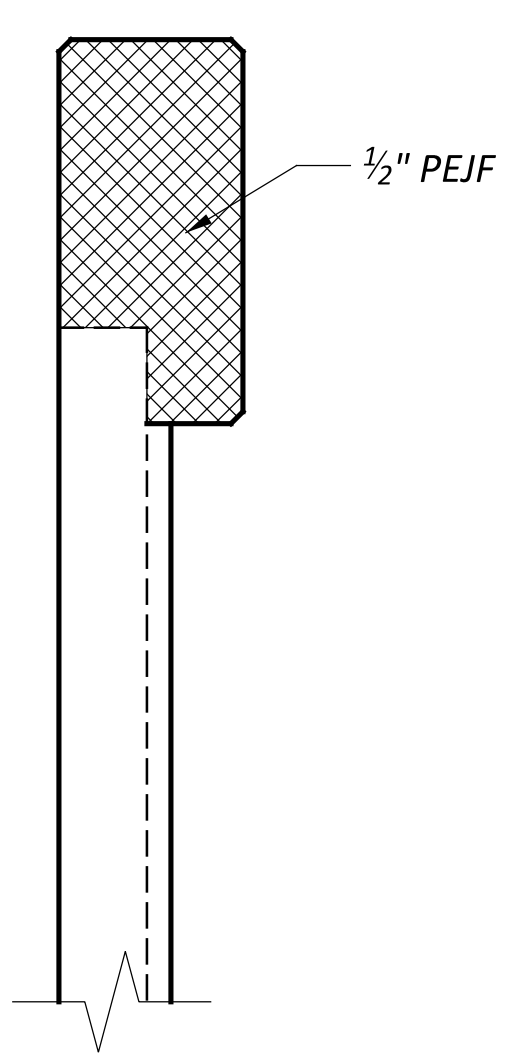
TYPICAL SECTION MSE PORTION OF WALL 001D (AT APPROACH SLAB)
 (APPLIES STA 11+96.98 TO STA 12+34.38)



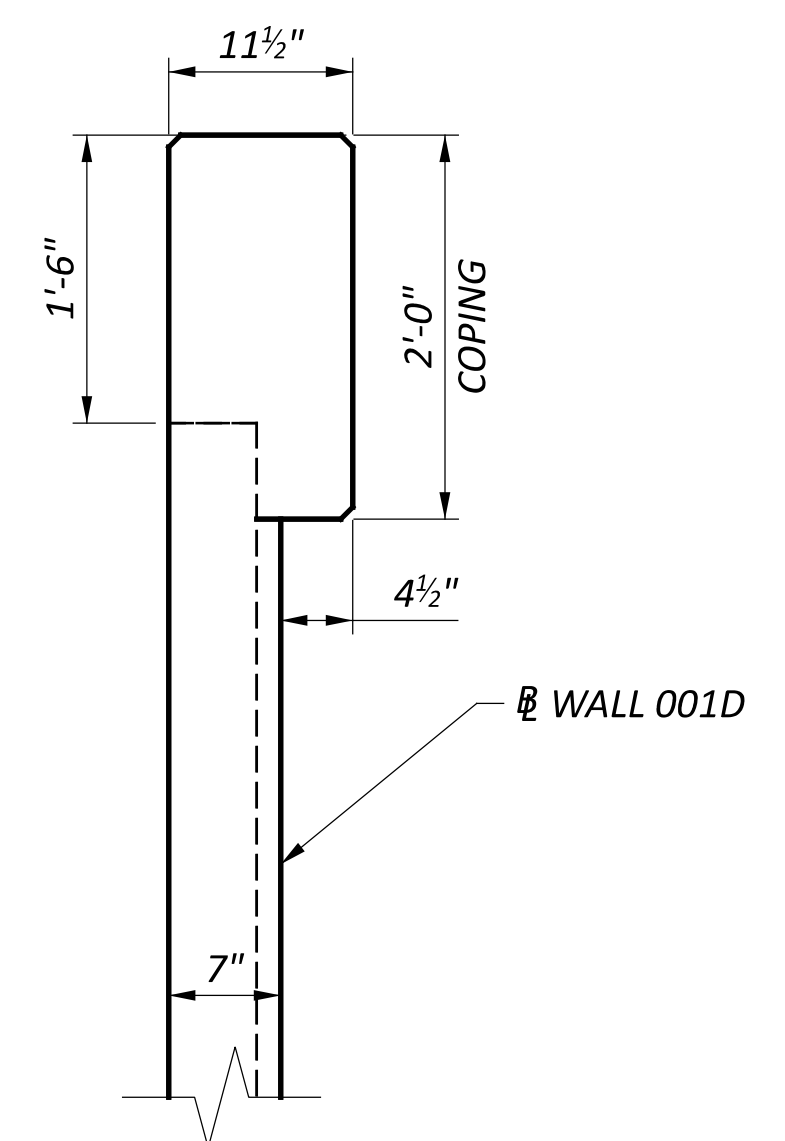
TYPICAL SECTION MSE PORTION OF WALL 001D
 (APPLIES STA 8+59.03 TO STA 11+96.98)



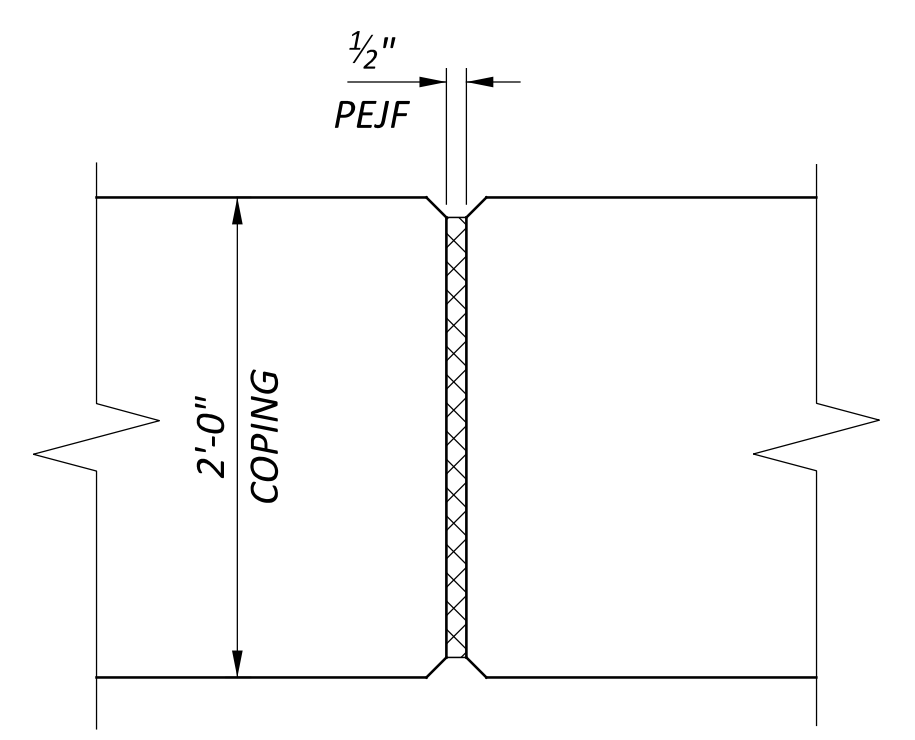
COPING CONTRACTION JOINT DETAIL



COPING EXPANSION JOINT DETAIL



MSE WALL COPING

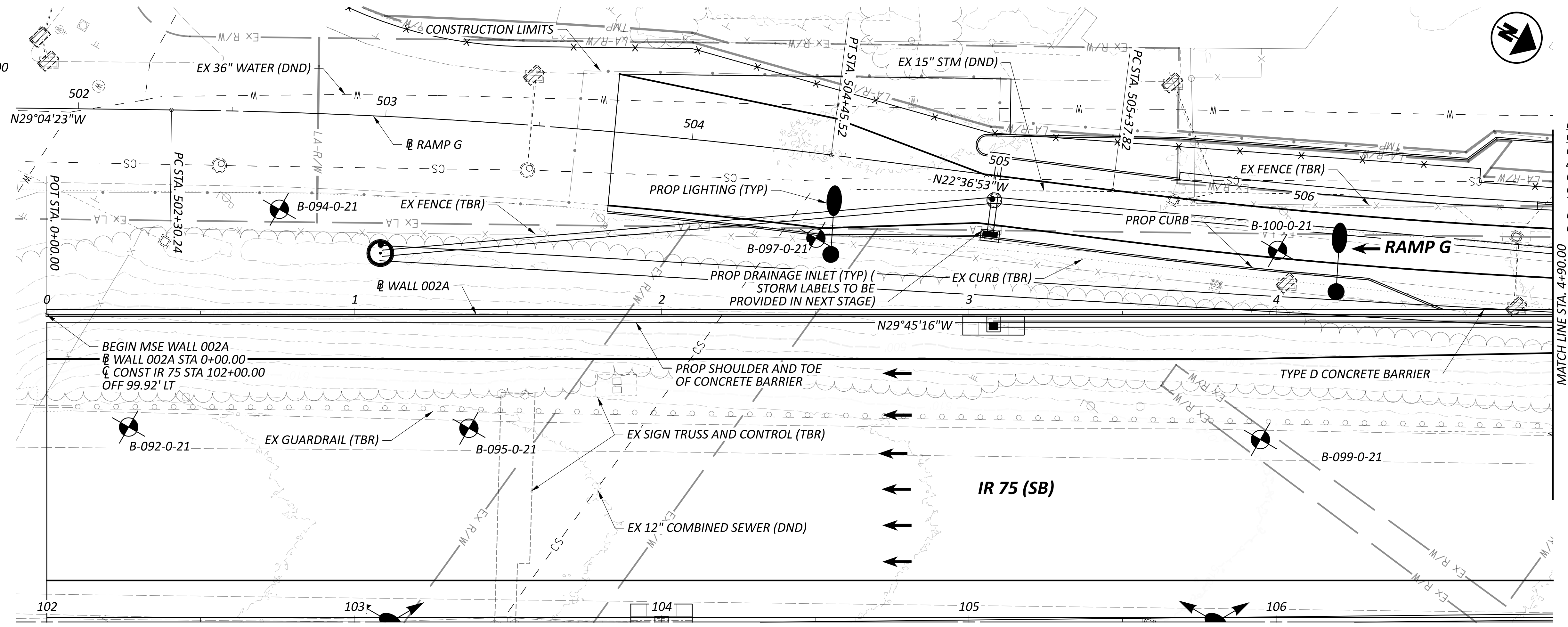


COPING EXPANSION JOINT

**WALL SECTIONS
 RETAINING WALL NO 001D
 ALONG MAINLINE IR-75**

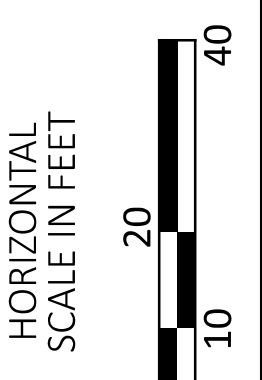
SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
7	45
SHEET	TOTAL
P.344	463

RAMP G
 CURVE DATA
 P.I. = STA. 503+38.00
 $\Delta = 06^{\circ}27'30''$ RT
 $D_c = 03^{\circ}00'00''$
 $R = 1,909.86'$
 $T = 107.75'$
 $L = 215.28'$
 $E = 3.04'$



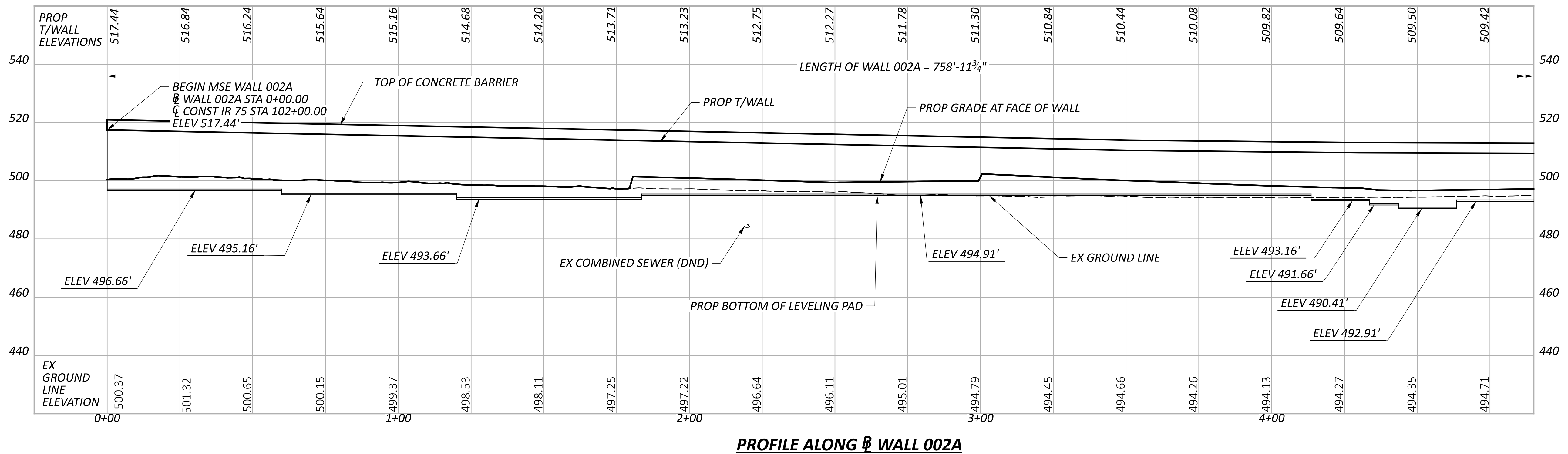
RAMP G
 CURVE DATA
 P.I. = STA. 506+18.38
 $\Delta = 04^{\circ}49'52''$ LT
 $D_c = 03^{\circ}00'00''$
 $R = 1,909.86'$
 $T = 80.57'$
 $L = 161.04'$
 $E = 1.70'$

PLAN AND PROFILE
 RETAINING WALL NO 002A ALONG IR-75
 STA. 0+00.00 TO STA. 4+90.00



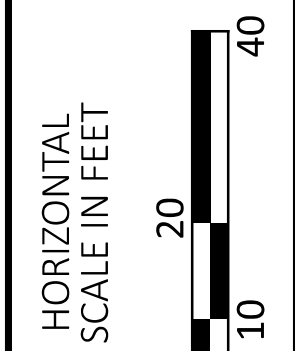
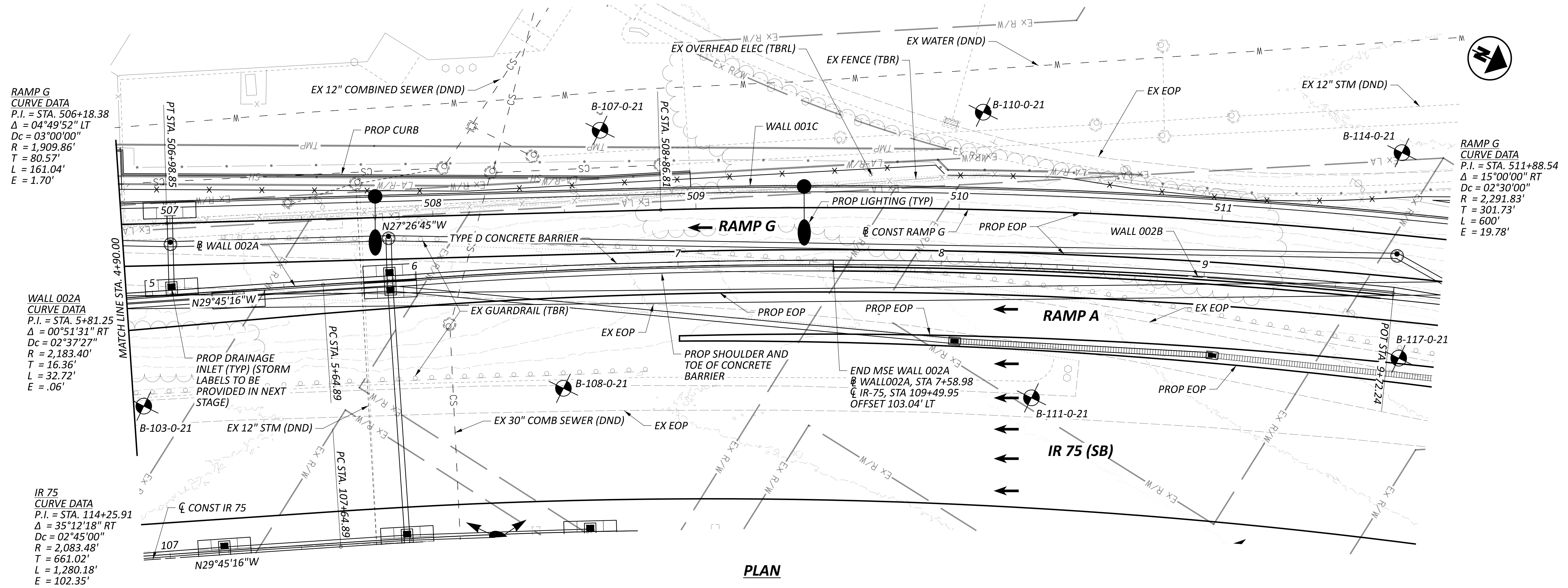
NOTES:

1. ALL DIMENSIONS ARE MEASURED ALONG BASELINE OF WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL PROVIDED AT STAGE 2.



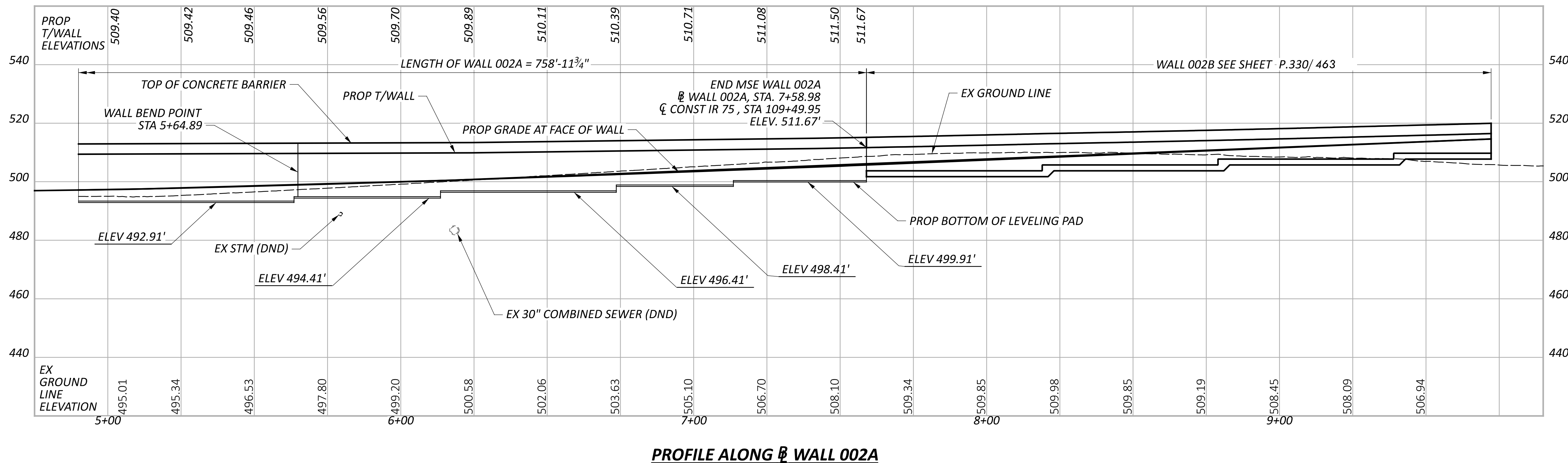
PROFILE ALONG \bar{B} WALL 002A

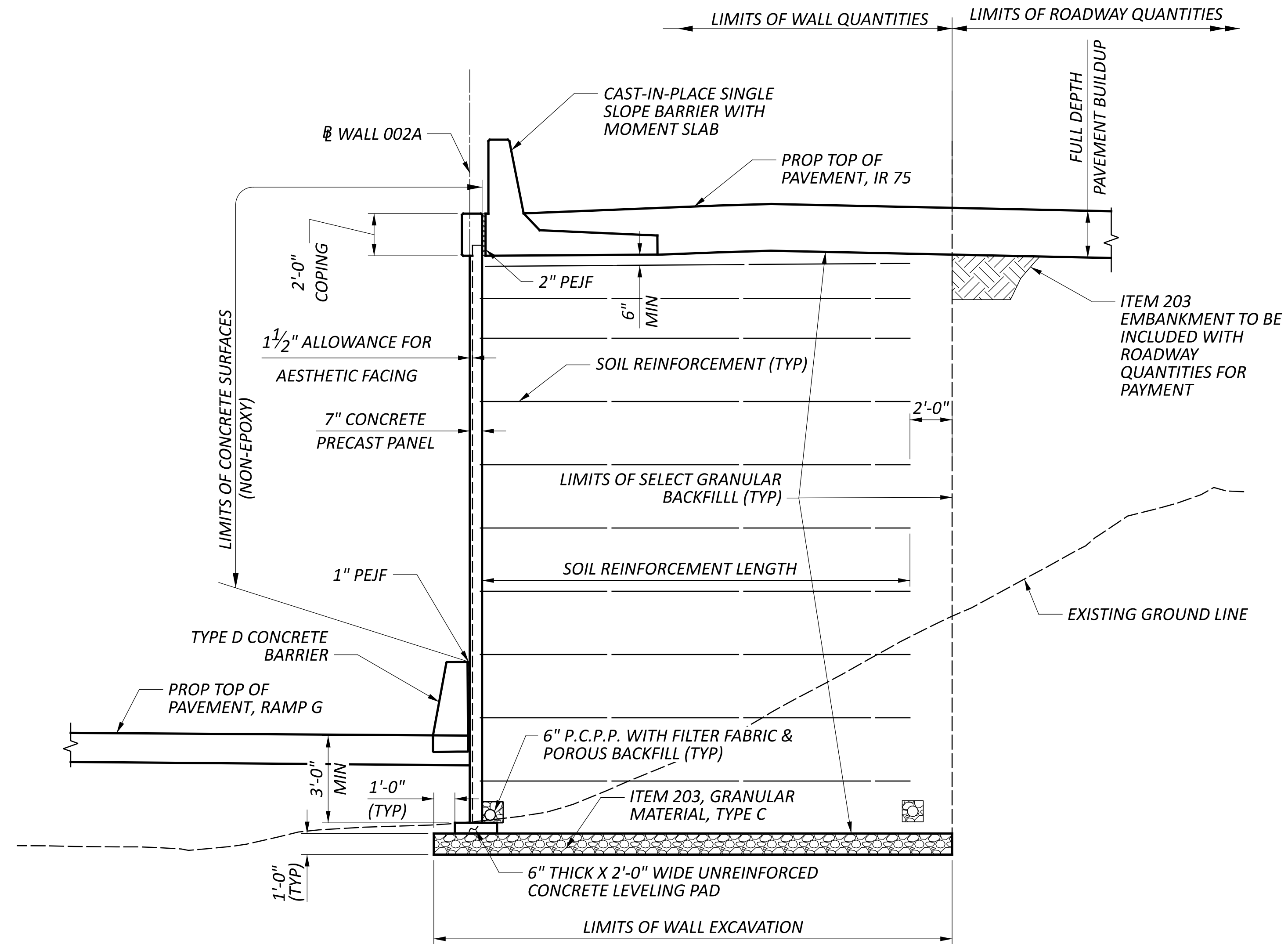
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
8	45
SHEET	TOTAL
P.345	463



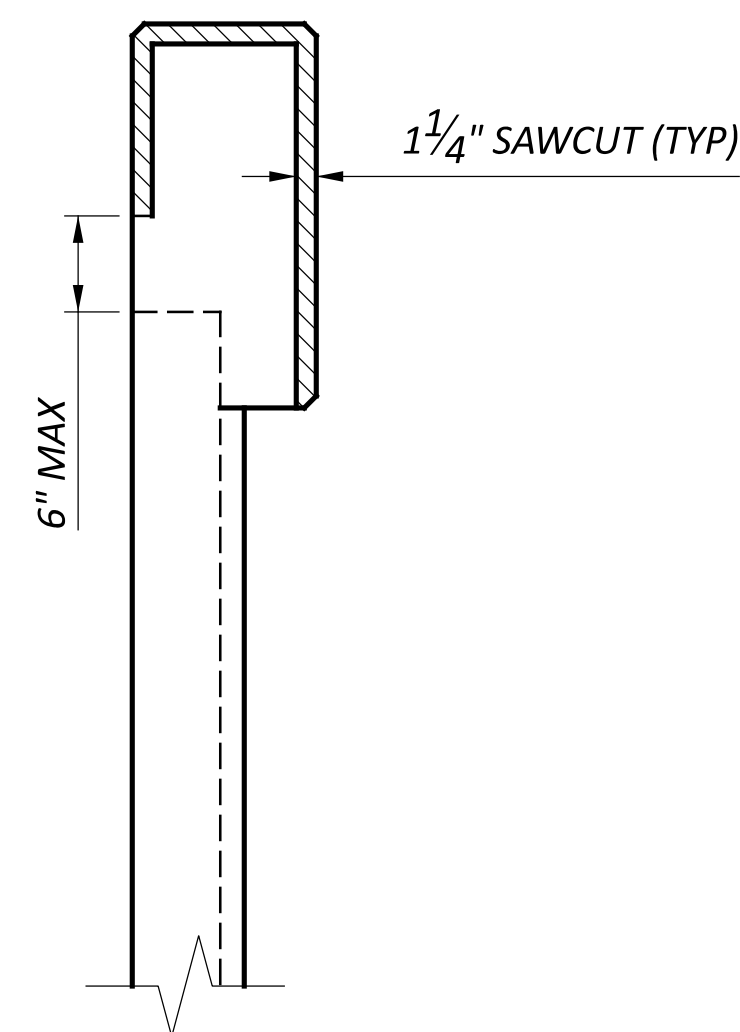
PLAN AND PROFILE
 RETAINING WALL NO 002A ALONG MAINLINE IR 75
 STA 4+90.00 TO STA 7+58.98

DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
9	45
SHEET	TOTAL
P.346	463

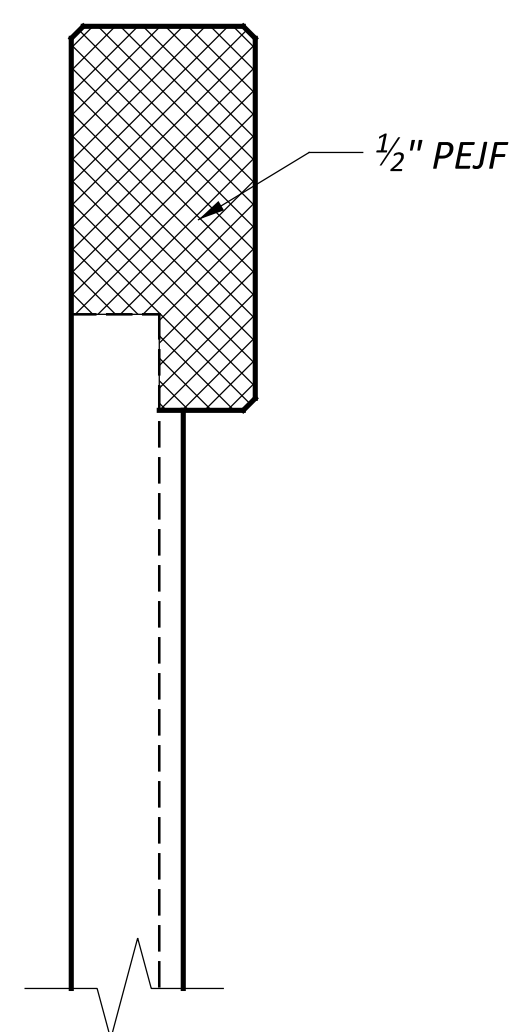




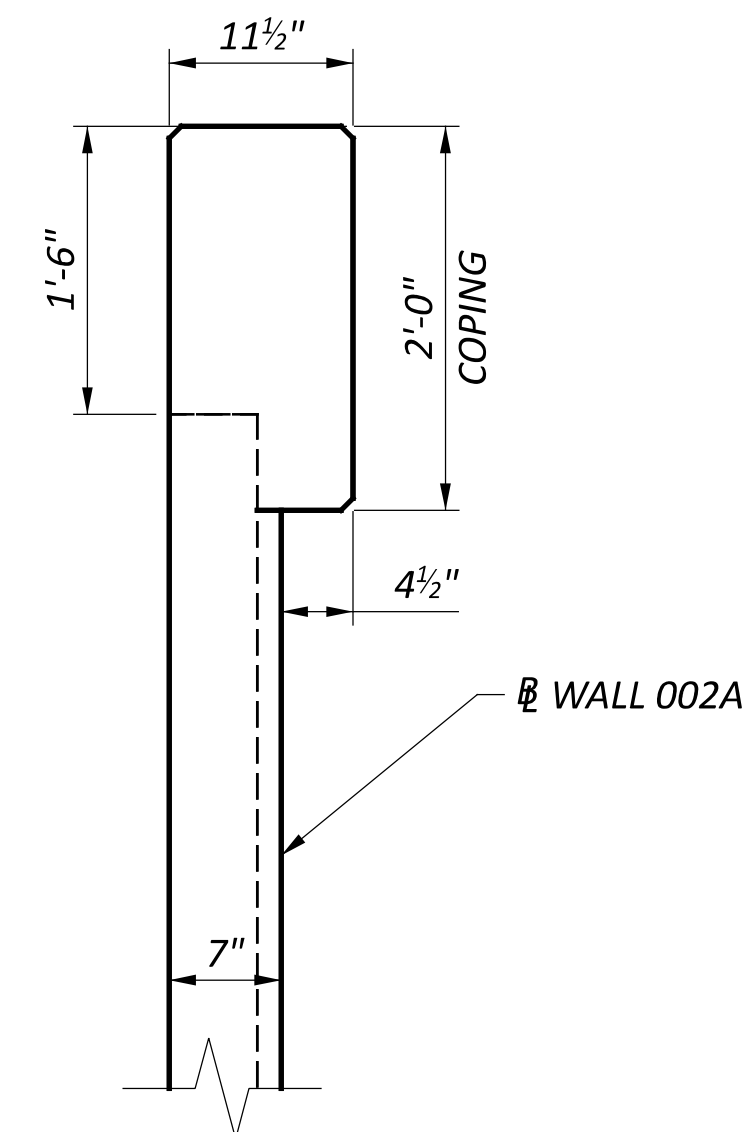
TYPICAL MSE SECTION OF WALL 002A



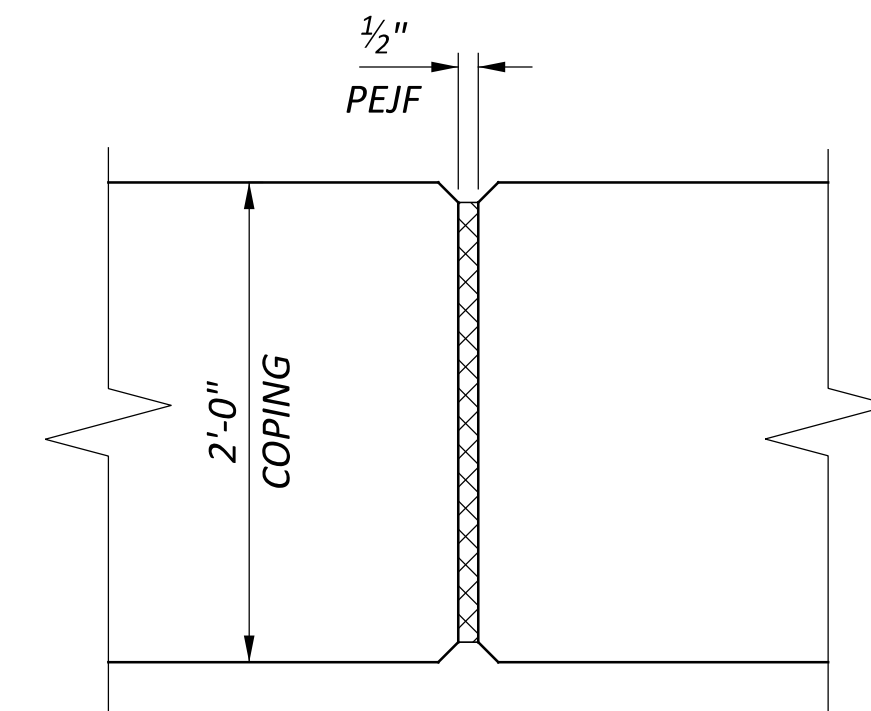
COPING CONTRACTION JOINT DETAIL



COPING EXPANSION JOINT DETAIL



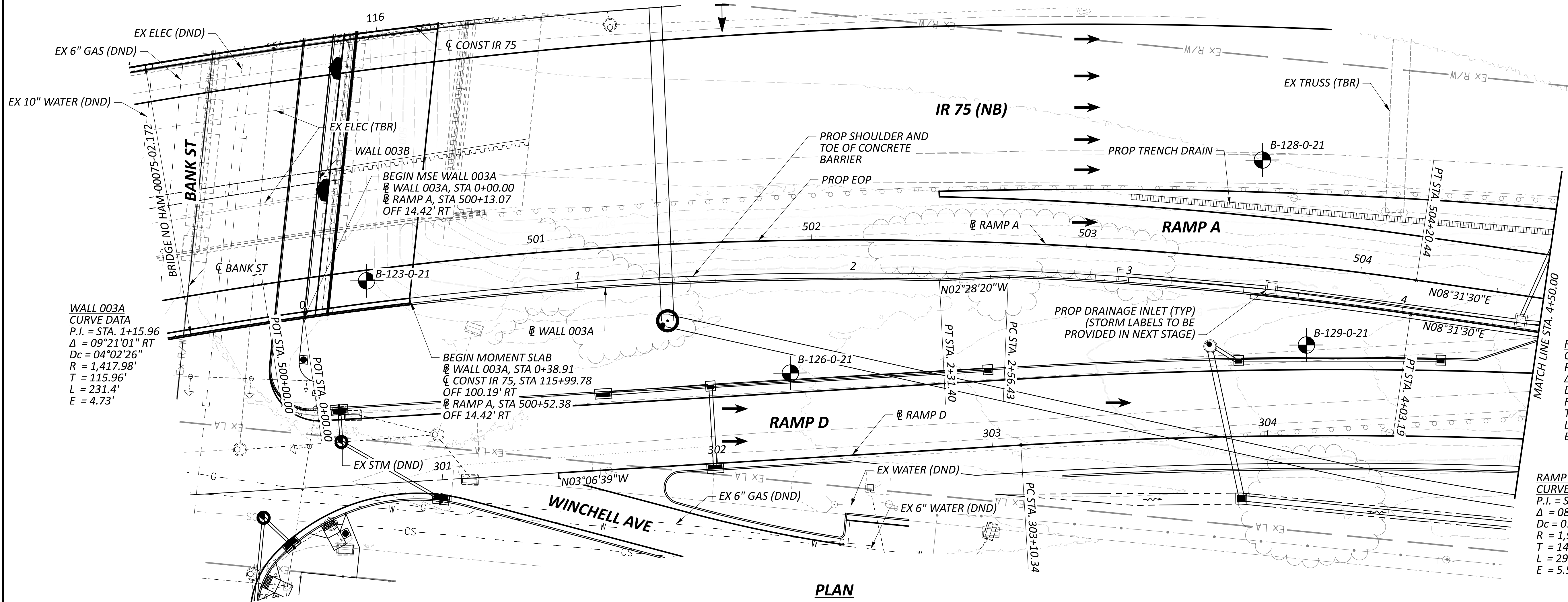
MSE WALL COPING DETAIL



COPING EXPANSION JOINT

WALL SECTIONS
 RETAINING WALL NO 002A
 ALONG MAINLINE IR-75

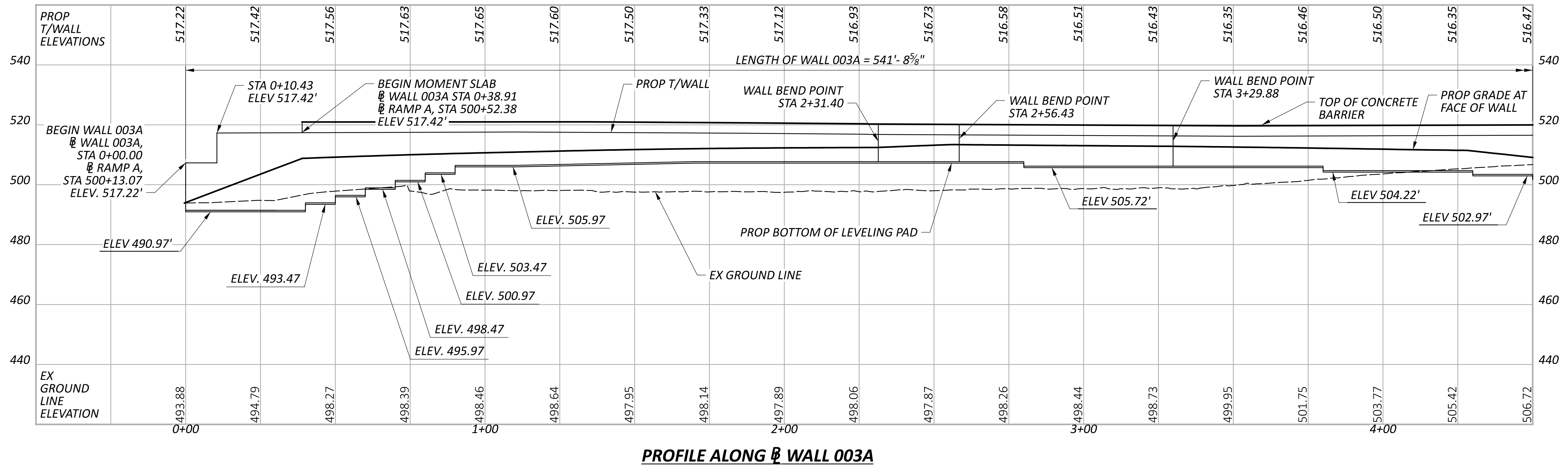
SFN	N/A
DESIGNER	AI
CHECKER	JGM
REVIEWER	CAS
PROJECT ID	114161
SUBSET	10
TOTAL	45
SHEET	P.347
TOTAL	463



PLAN

NOTES:

1. ALL DIMENSIONS ARE MEASURED ALONG BASELINE OF WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL PROVIDED AT STAGE 2.



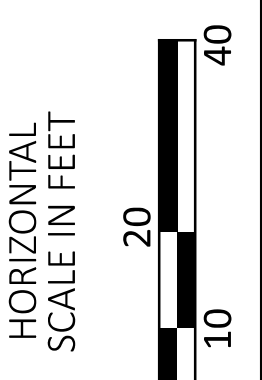
PROFILE ALONG \bar{B} WALL 003A

WALL 003A CURVE DATA
 P.I. = STA. 3+29.88
 $\Delta = 05^{\circ}54'26''$ RT
 $D_c = 04^{\circ}01'31''$
 $R = 1,423.43'$
 $T = 73.44'$
 $L = 146.76'$
 $E = 1.89'$

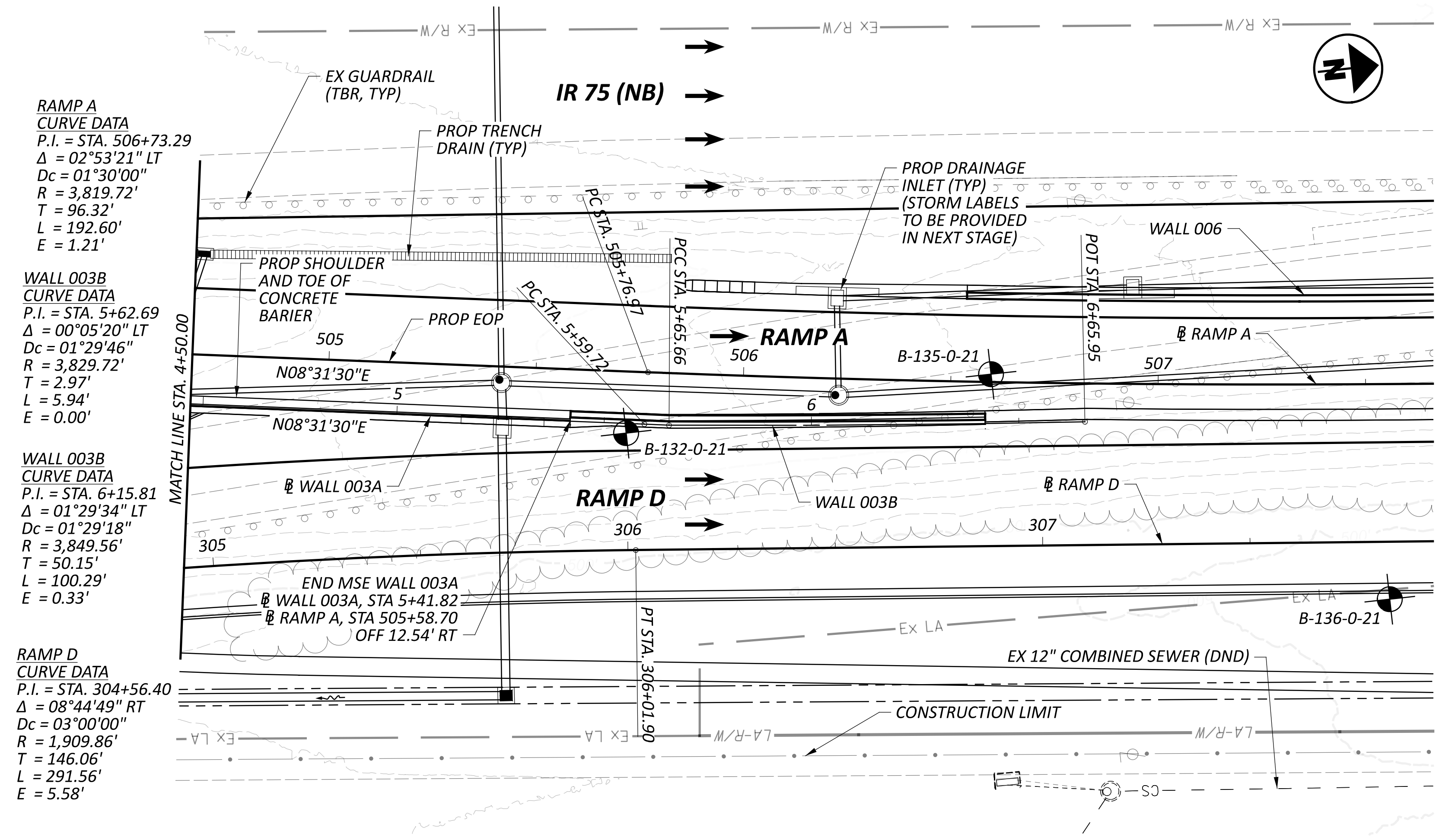
RAMP A CURVE DATA
 P.I. = STA. 502+11.74
 $\Delta = 16^{\circ}49'04''$ RT
 $D_c = 04^{\circ}00'00''$
 $R = 1,432.39'$
 $T = 211.74'$
 $L = 420.44'$
 $E = 15.57'$

RAMP D CURVE DATA
 P.I. = STA. 304+56.40
 $\Delta = 08^{\circ}44'49''$ RT
 $D_c = 03^{\circ}00'00''$
 $R = 1,909.86'$
 $T = 146.06'$
 $L = 291.56'$
 $E = 5.58'$

PLAN AND PROFILE
 RETAINING WALL NO 003A ALONG MAINLINE IR 75 AND RAMP A
 STA 0+00.00 TO STA 4+50.00



SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	AI
CHECKER	JGM
REVIEWER	CAS
PROJECT ID	114161
SUBSET	11
TOTAL	45
SHEET	P.348
TOTAL	463



RAMP A CURVE DATA
 P.I. = STA. 506+73.29
 $\Delta = 02^{\circ}53'21''$ LT
 $Dc = 01^{\circ}30'00''$
 $R = 3,819.72'$
 $T = 96.32'$
 $L = 192.60'$
 $E = 1.21'$

WALL 003B CURVE DATA
 P.I. = STA. 5+62.69
 $\Delta = 00^{\circ}05'20''$ LT
 $Dc = 01^{\circ}29'46''$
 $R = 3,829.72'$
 $T = 2.97'$
 $L = 5.94'$
 $E = 0.00'$

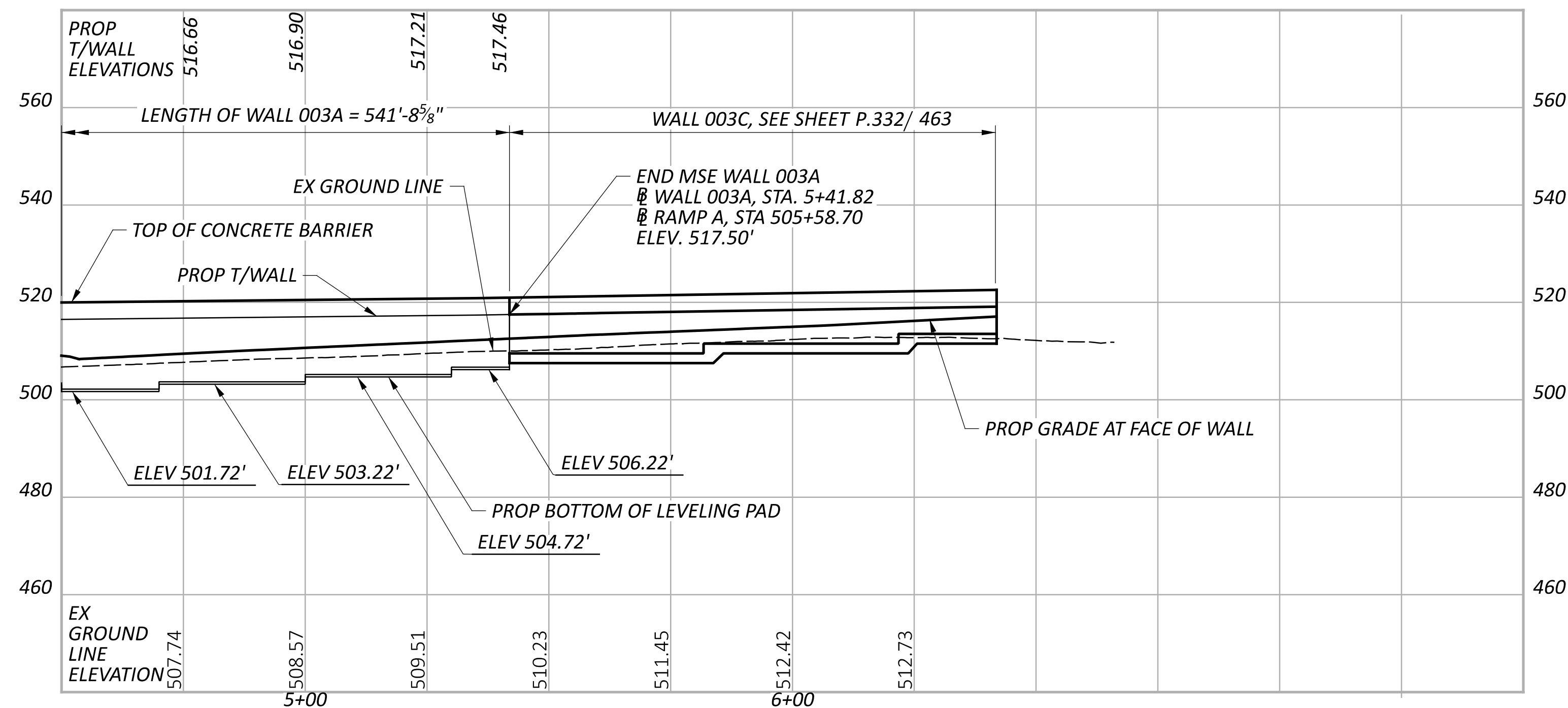
WALL 003B CURVE DATA
 P.I. = STA. 6+15.81
 $\Delta = 01^{\circ}29'34''$ LT
 $Dc = 01^{\circ}29'18''$
 $R = 3,849.56'$
 $T = 50.15'$
 $L = 100.29'$
 $E = 0.33'$

RAMP D CURVE DATA
 P.I. = STA. 304+56.40
 $\Delta = 08^{\circ}44'49''$ RT
 $Dc = 03^{\circ}00'00''$
 $R = 1,909.86'$
 $T = 146.06'$
 $L = 291.56'$
 $E = 5.58'$

NOTES:

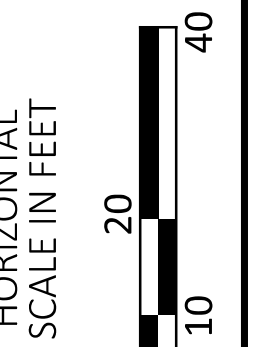
1. ALL DIMENSIONS ARE MEASURED ALONG BASELINE OF WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL PROVIDED AT STAGE 2.

PLAN

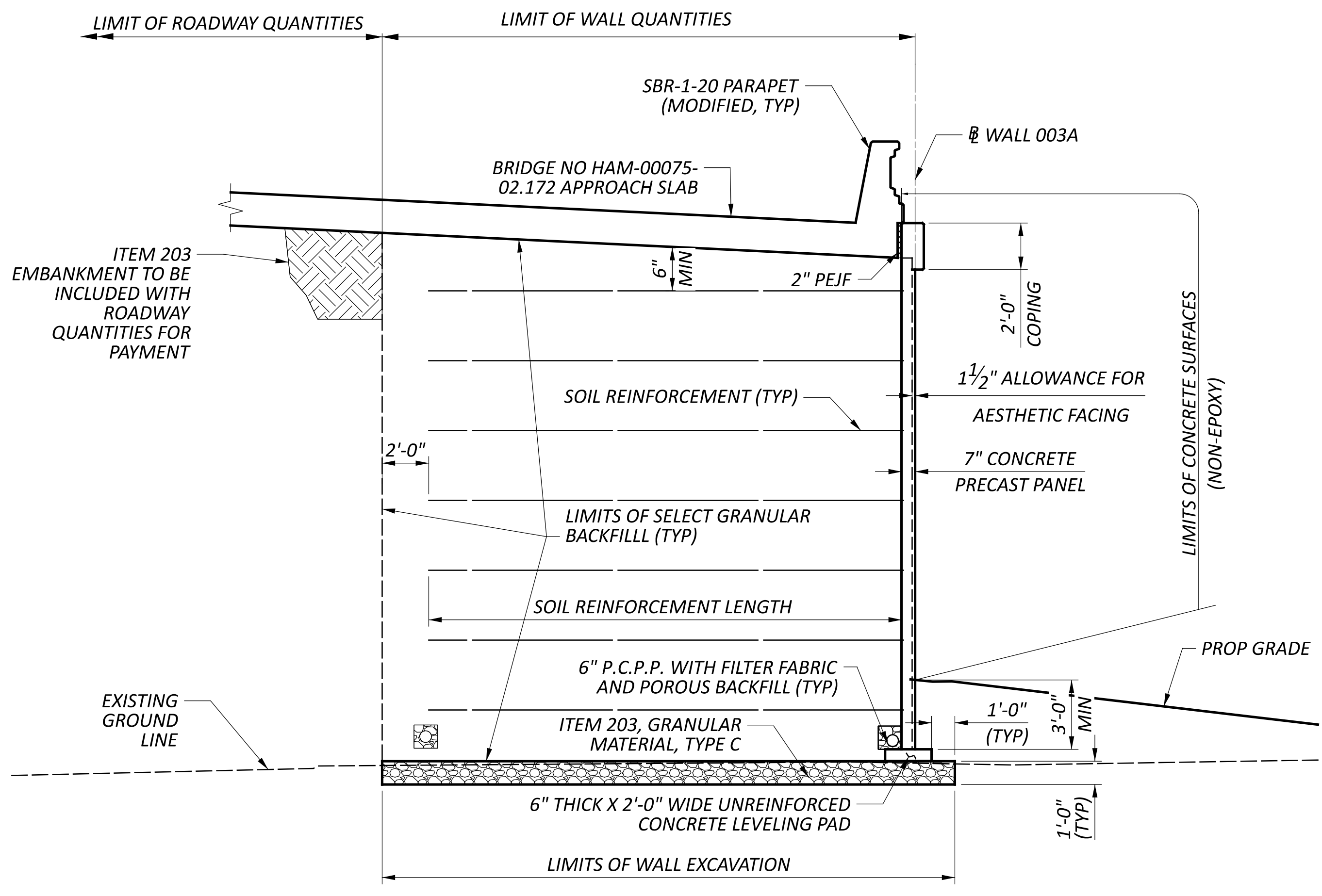


PROFILE ALONG \bar{B} WALL 003A

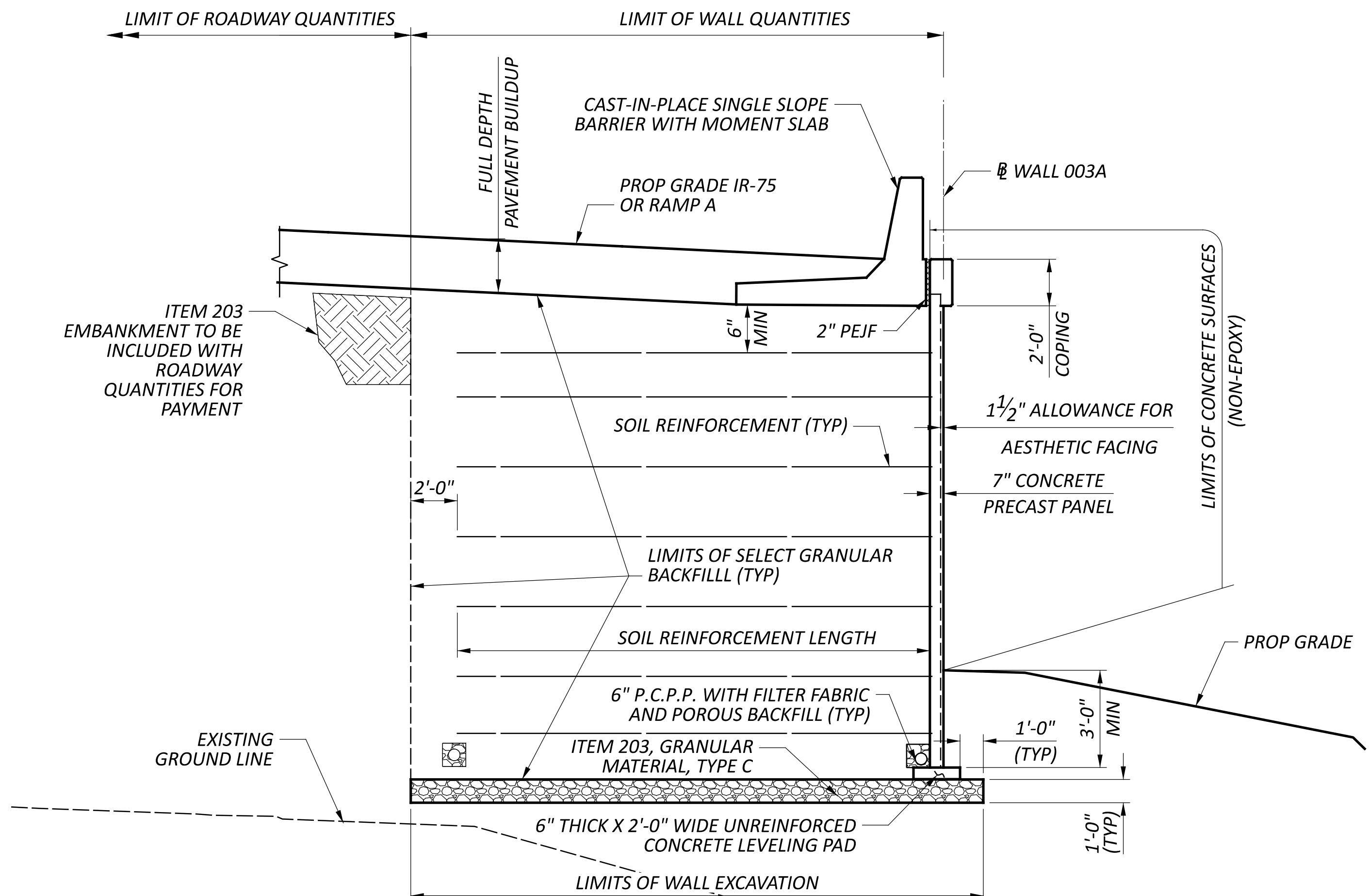
PLAN AND PROFILE
RETAINING WALL NO 003A ALONG MAINLINE IR 75 AND RAMP A
STA 4+50.00 TO STA 5+41.82



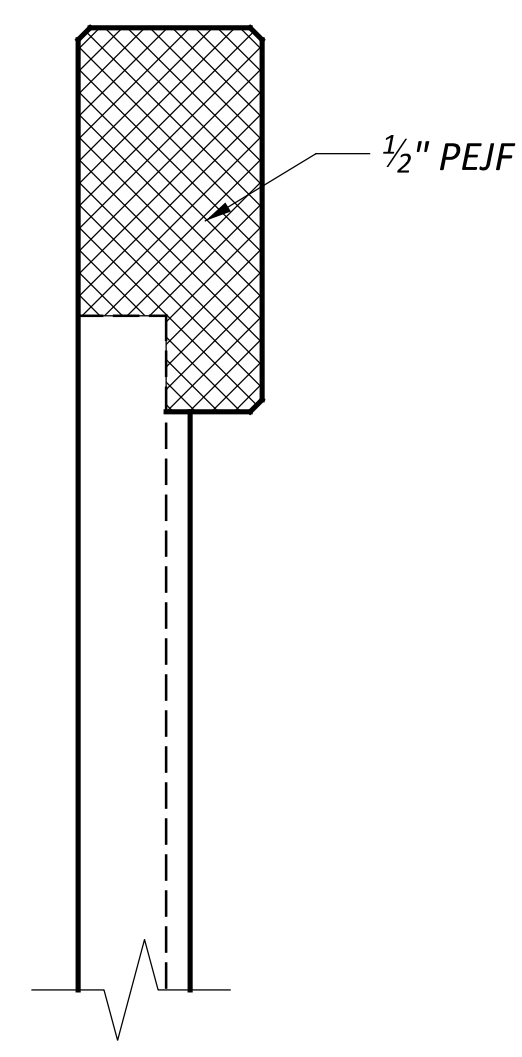
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
12	45
SHEET	TOTAL
P.349	463



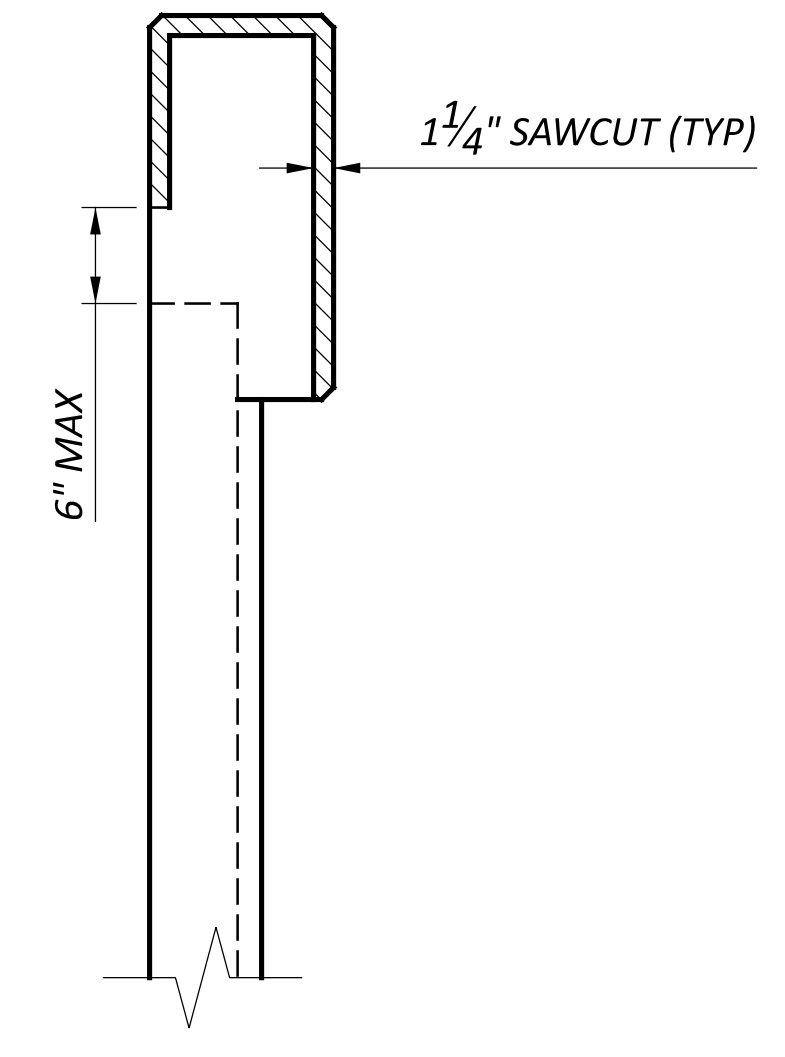
TYPICAL MSE SECTION OF WALL 003A
 (APPLIES FROM STA 0+00.00 TO STA 0+38.91)



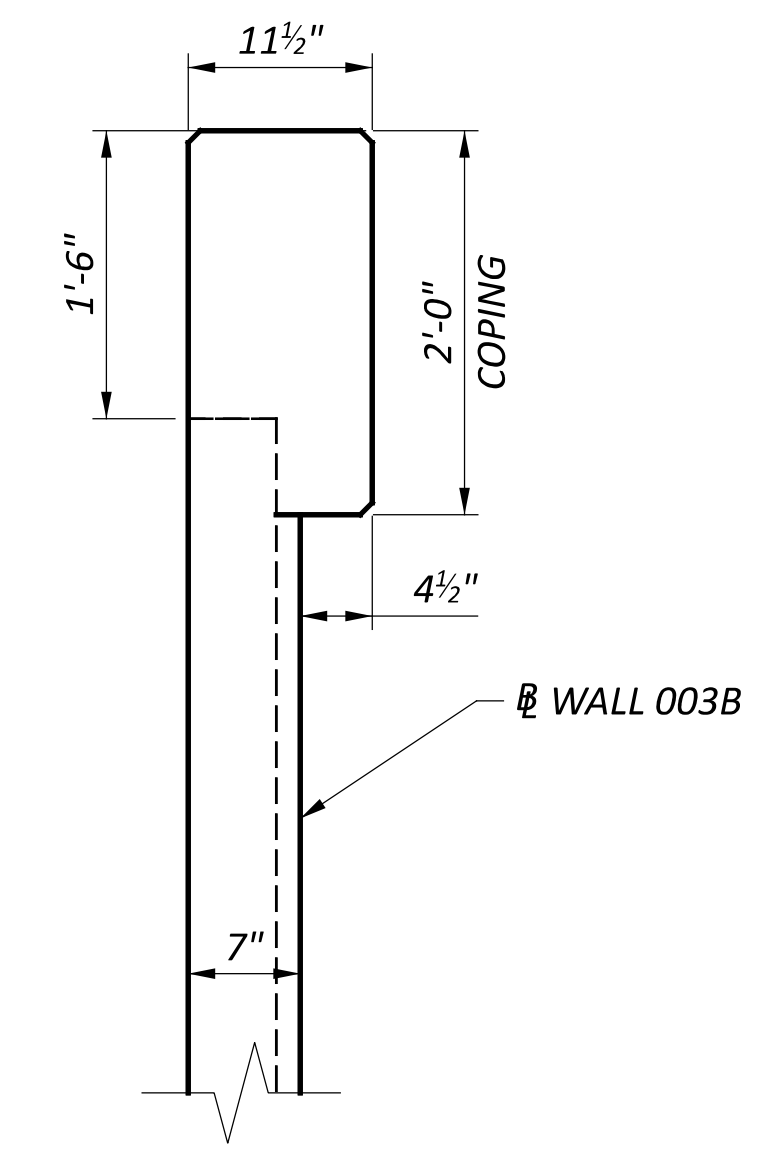
TYPICAL MSE SECTION OF WALL 003A
 (APPLIES STA FROM STA 0+38.91 TO STA 5+41.82)



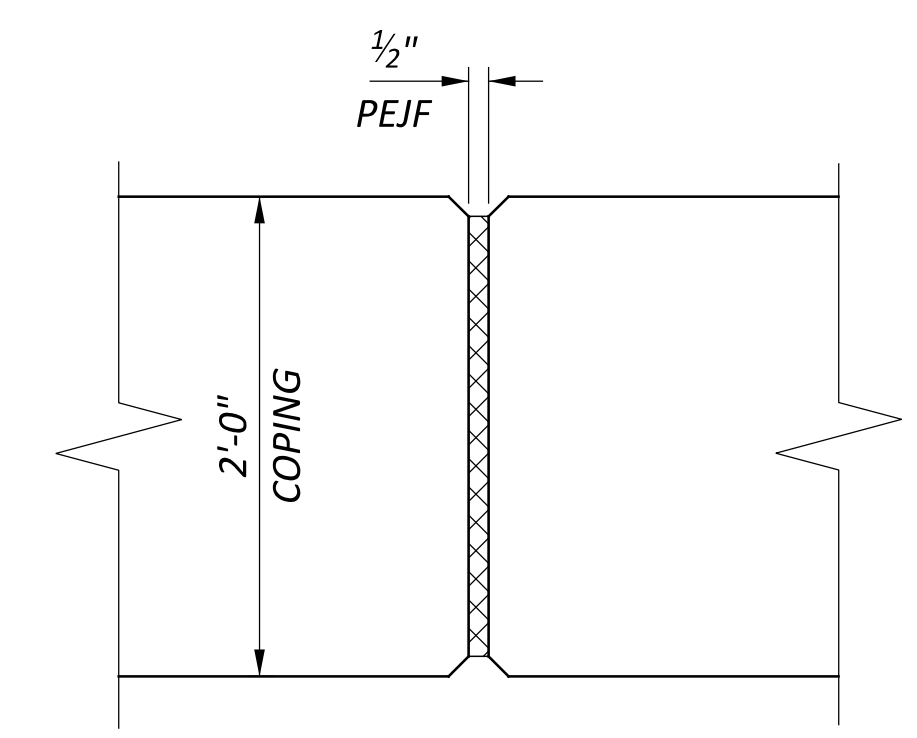
COPING EXPANSION JOINT DETAIL



COPING CONTRACTION JOINT DETAIL



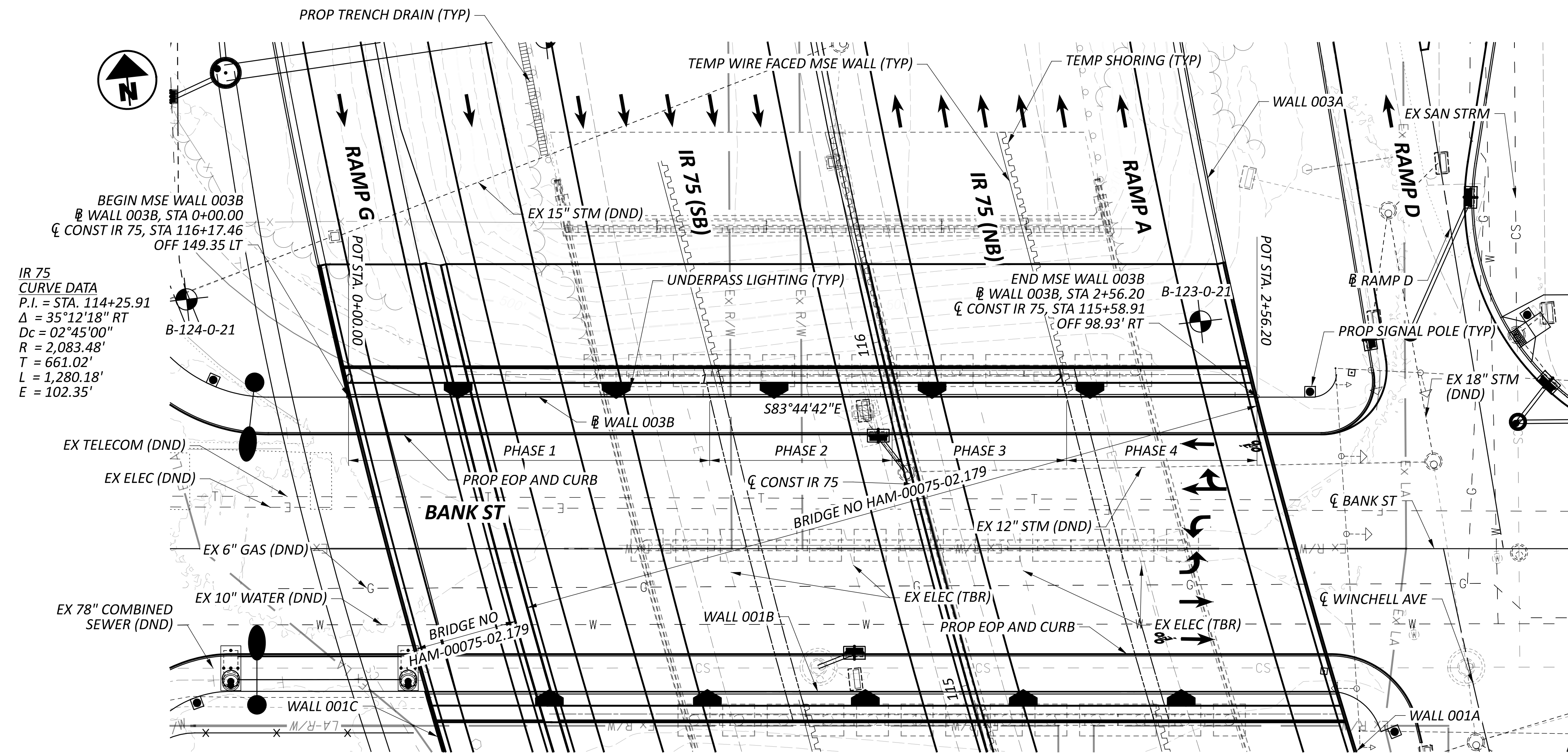
MSE WALL COPING DETAIL



COPING EXPANSION JOINT

**WALL SECTIONS
 RETAINING WALL NO 003A
 ALONG MAINLINE IR-75**

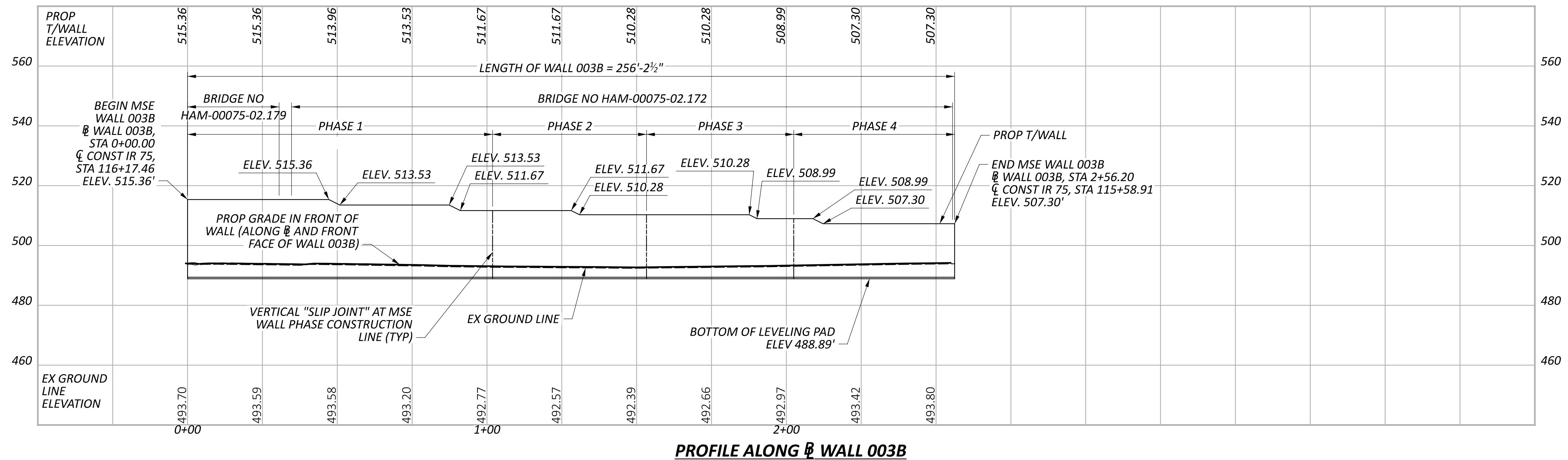
SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	CAS
CHECKER	JGM
REVIEWER	CAS
PROJECT ID	114161
SUBSET	13
TOTAL	45
SHEET	P.350
TOTAL	463



PLAN

NOTES:

1. ALL DIMENSIONS ARE MEASURED ALONG BASELINE OF WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL PROVIDED AT STAGE 2.

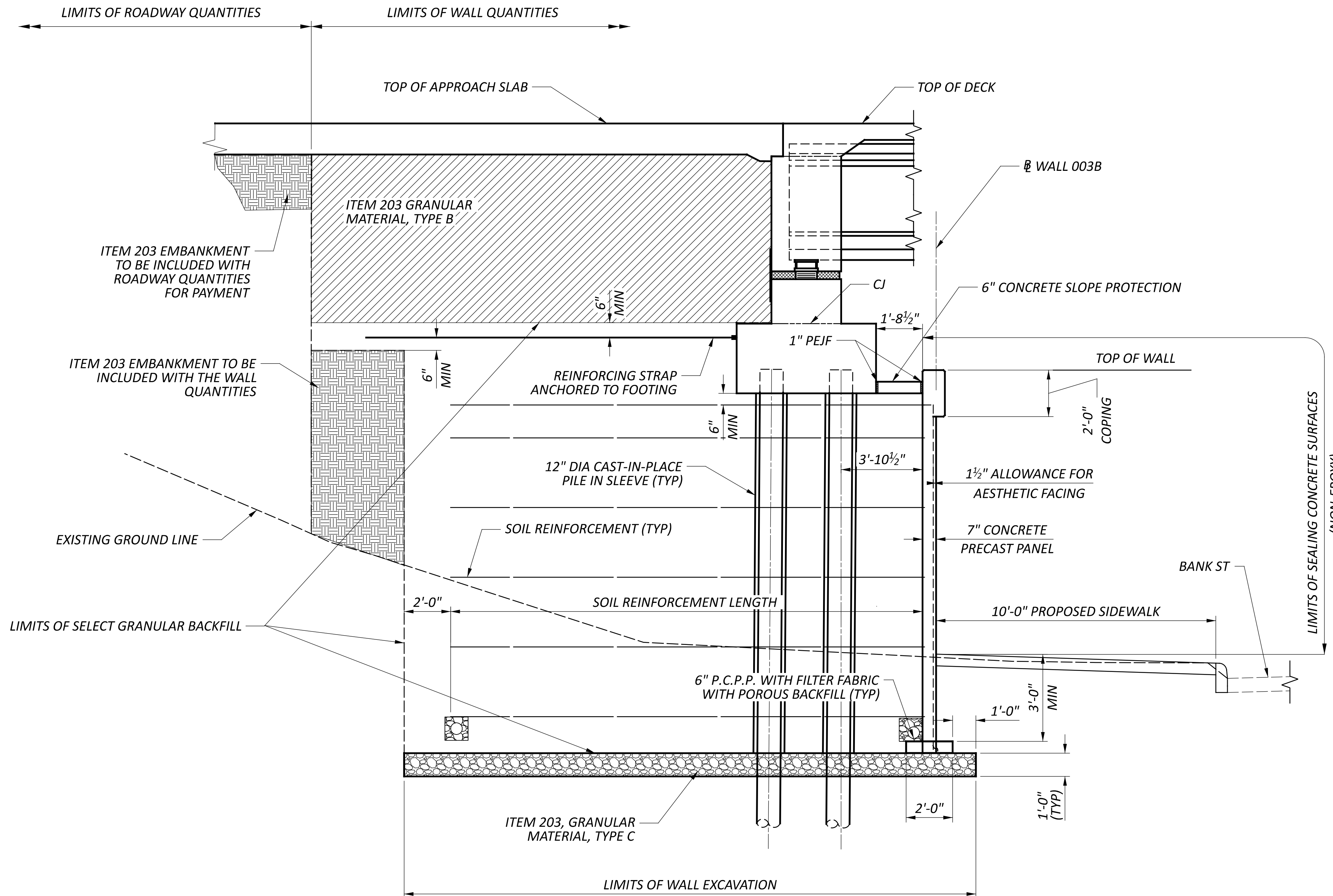


PROFILE ALONG R WALL 003B

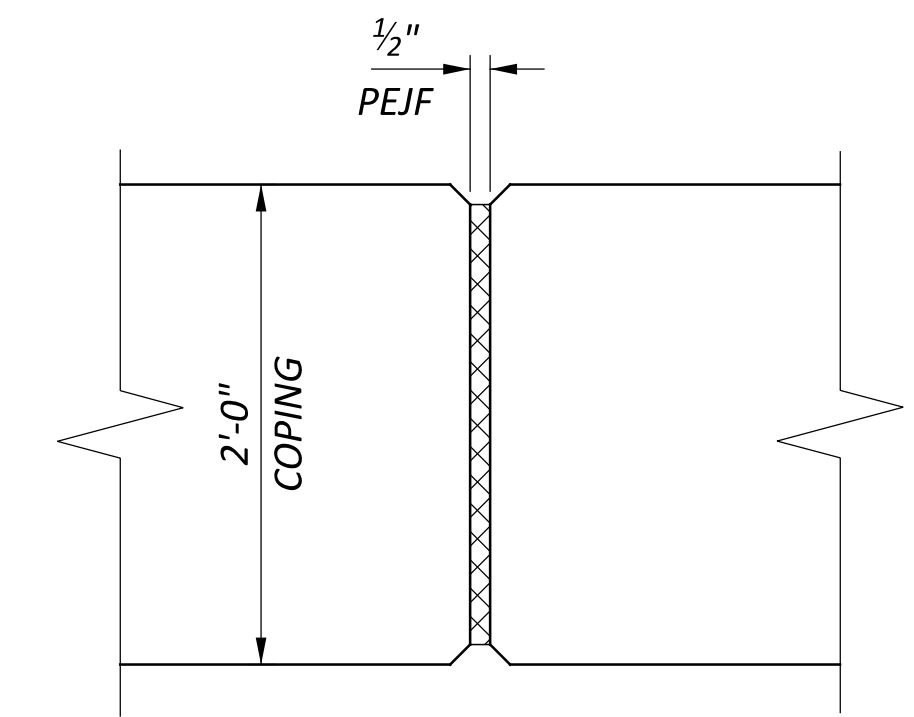


PLAN AND PROFILE
 RETAINING WALL NO 003B ALONG IR 75 AND BANK STREET
 STA 0+00.00 TO STA 2+56.20

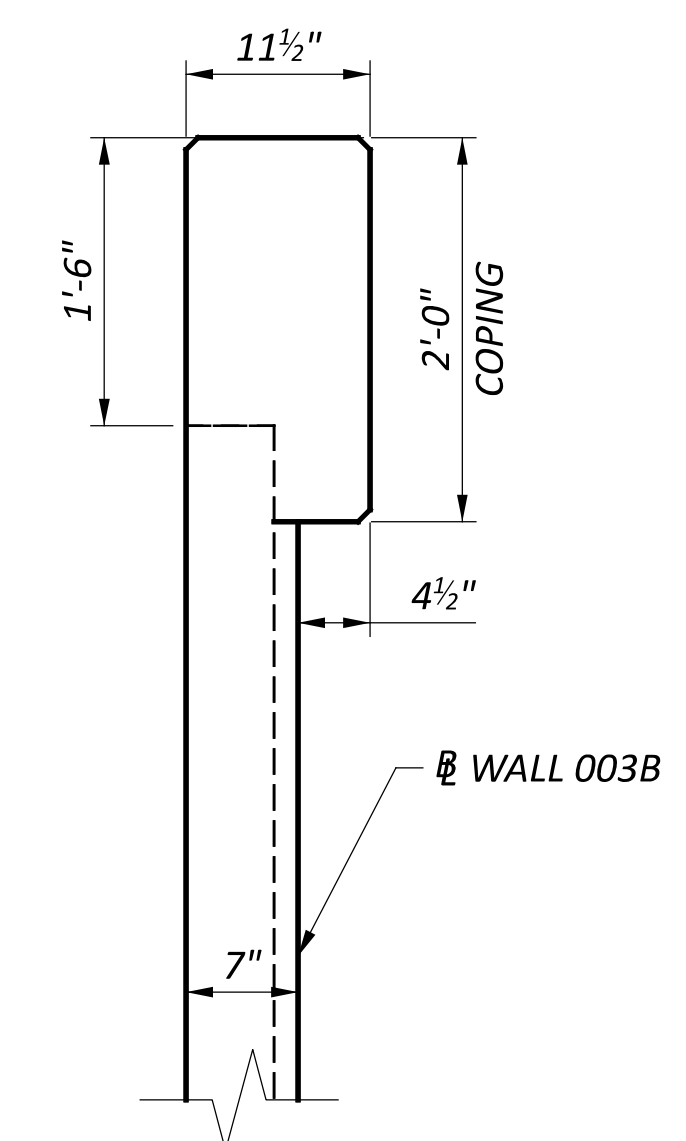
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
14	45
SHEET	TOTAL
P.351	463



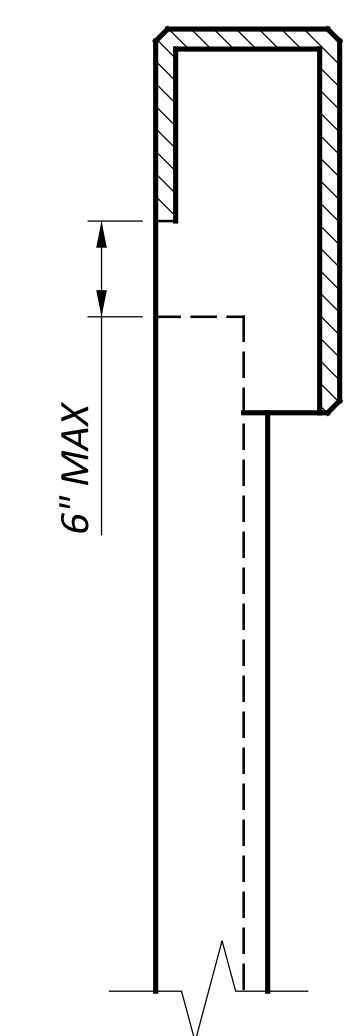
TYPICAL SECTION WALL 003B



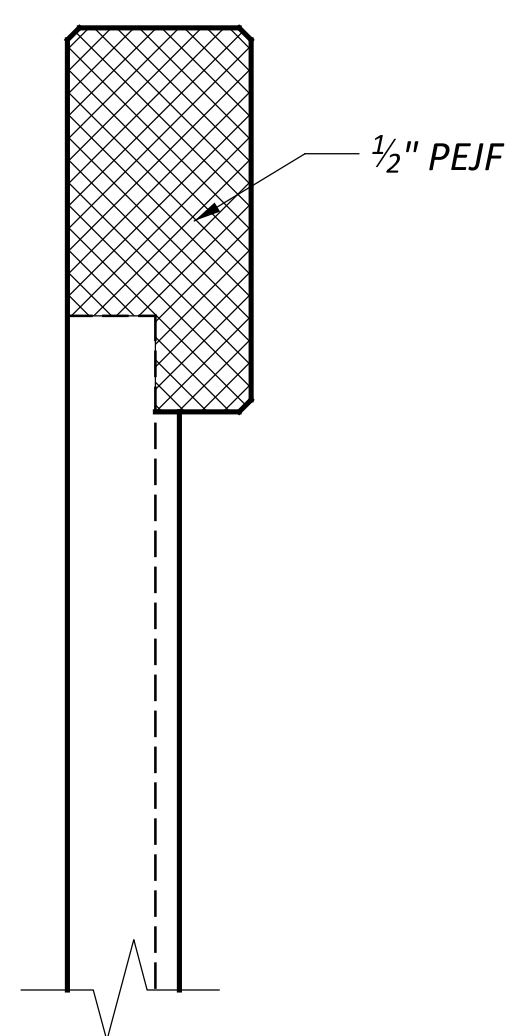
COPING EXPANSION JOINT



MSE WALL COPING DETAIL



COPING CONTRACTION JOINT DETAIL



COPING EXPANSION JOINT DETAIL

**WALL SECTIONS
 RETAINING WALL NO 003B
 ALONG IR 75 AND BANK STREET**

SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	
114161	
SUBSET	TOTAL
15	45
SHEET	TOTAL
P.352	463

PLOT DRIVER: OHDOT_PDF.plt

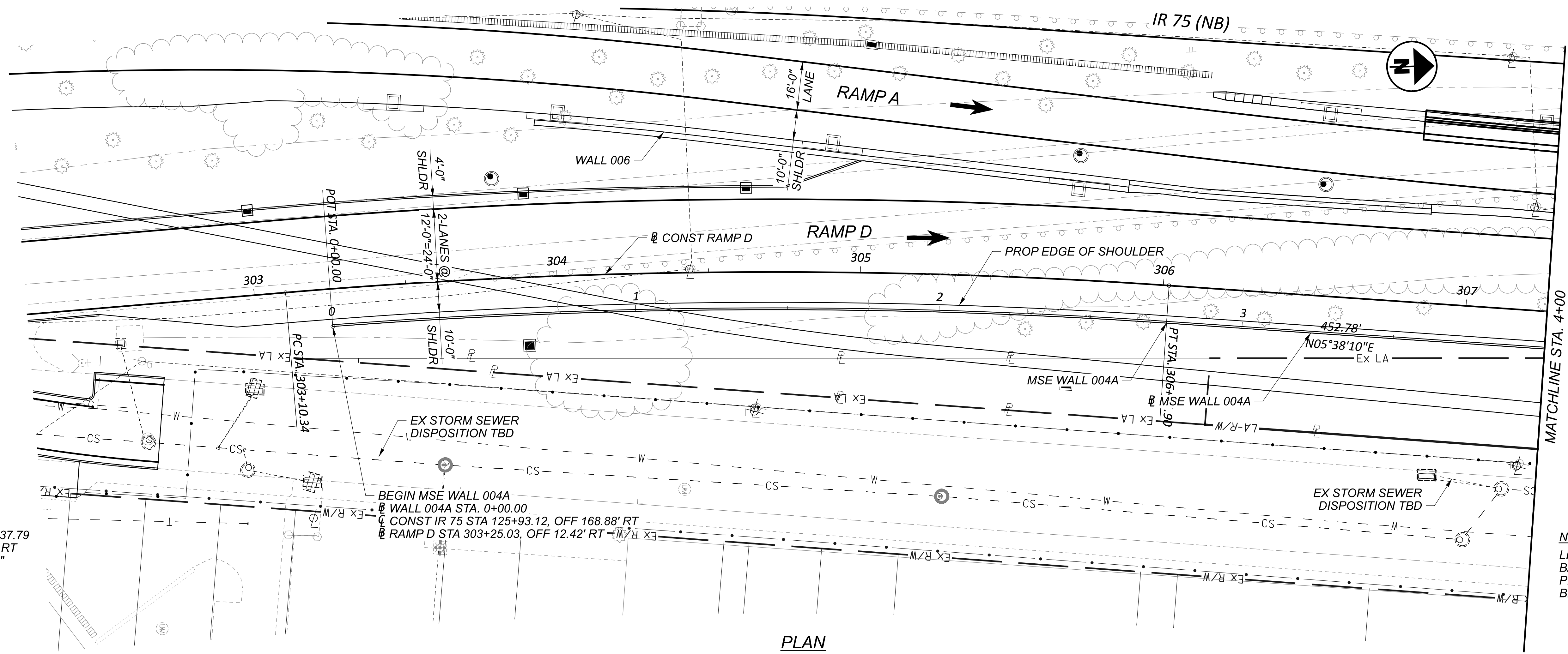
SUBMITTAL: SUB_STG

PENTABLE SUBSET: 1

HAM-75-1.95

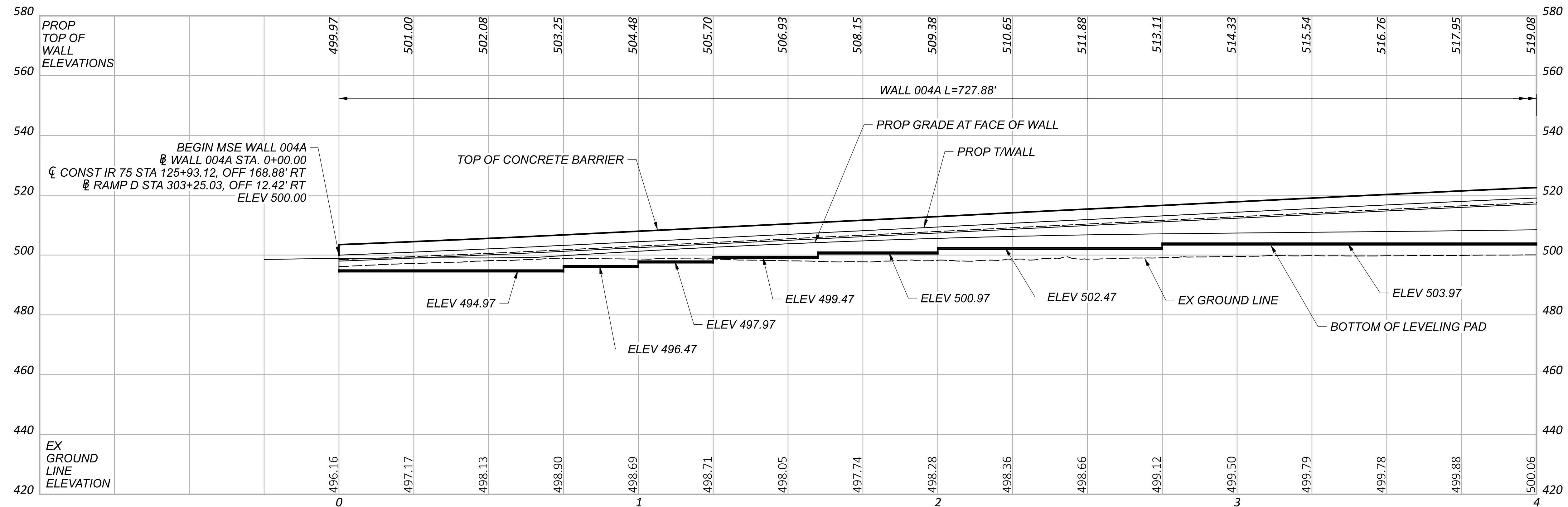
MODEL: Wall 4A - Wall 4A PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:07:05 PM USER: stony
p:\vohodoc-pw-bentley.com\ohdot\pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_GannettFleming\Structures\Wall_004\Sheets\114161_WALL004_WP001.dgn

CURVE DATA
P.I. = STA. 1+37.79
 $\Delta = 08^{\circ}18'25''$ RT
 $D_c = 03^{\circ}01'11''$
 $R = 1,897.44'$
 $T = 137.79'$
 $L = 275.1'$
 $E = .5'$



PLAN

NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.

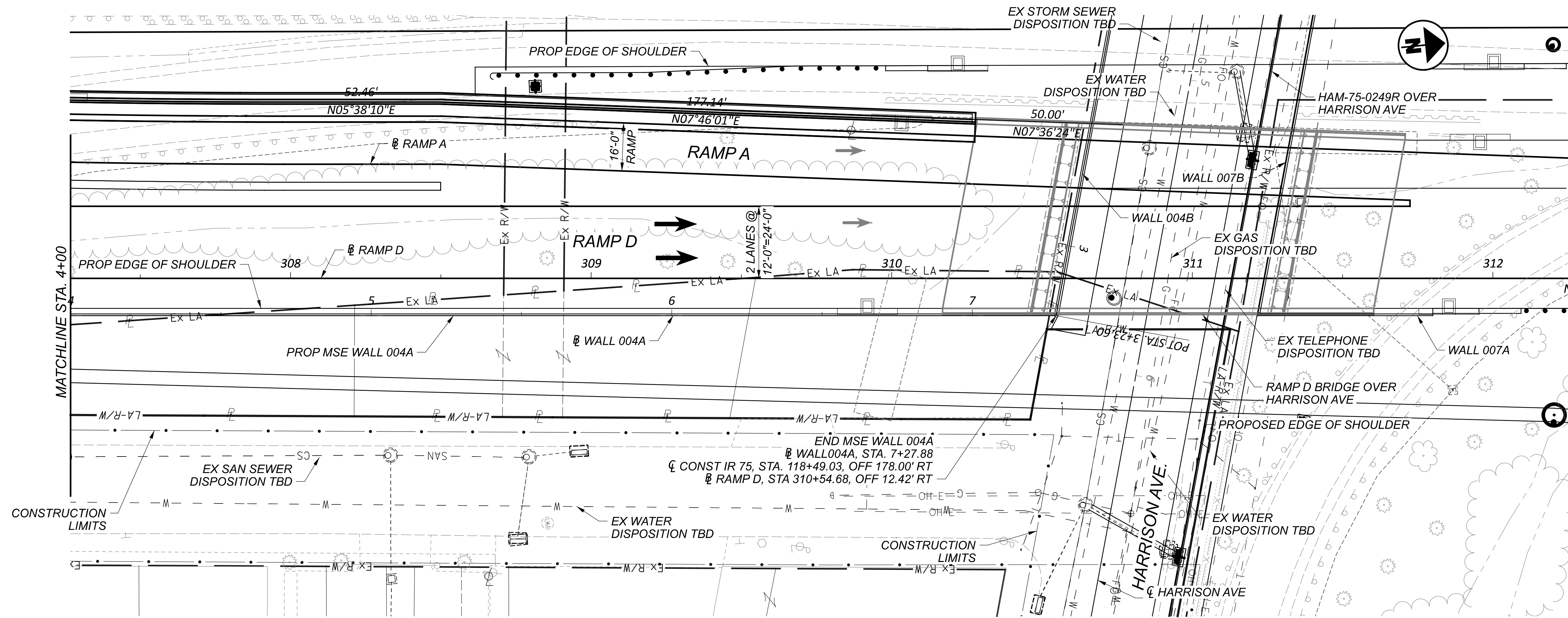


PROFILE ALONG B WALL 004A

WALL 4A PLAN AND ELEVATION (1 OF 2)
MSE WALL NO. 004A, ALONG RAMP D
STA 0+00.00 TO STA 4+00.00

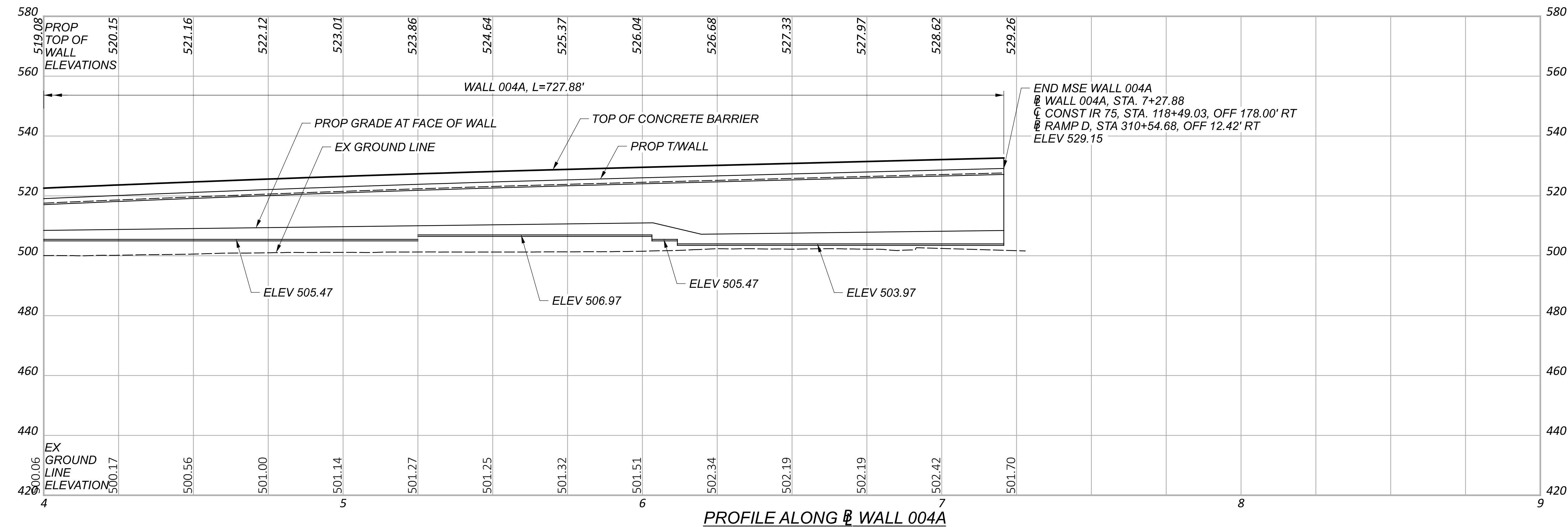
SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	TOTAL
16	45
SHEET	TOTAL
P.353	463





PLAN

NOTE TO REVIEWER
 LIMITS OF SELECT GRANULAR
 BACKFILL AND WALL DRAINAGE,
 PER BDM SECTION 201.4.1 WILL
 BE SHOWN AT STAGE 2.

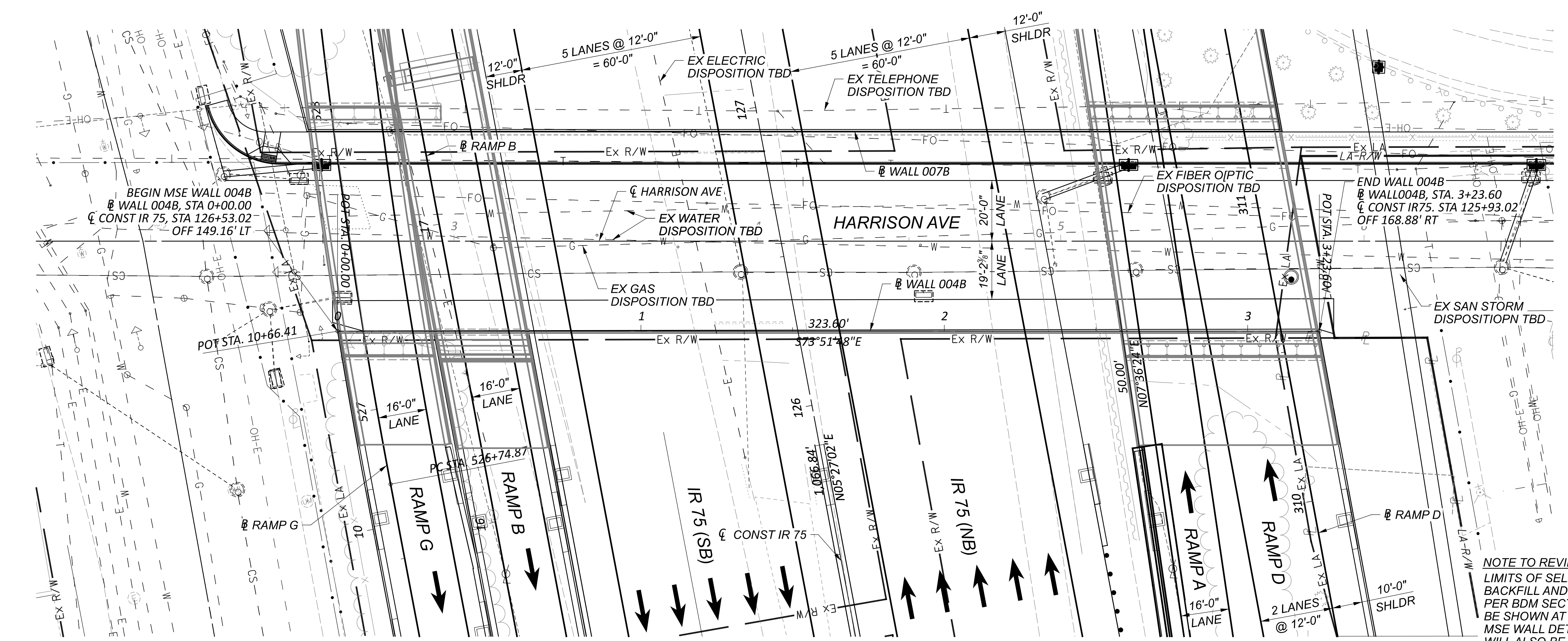


PROFILE ALONG \varnothing WALL 004A

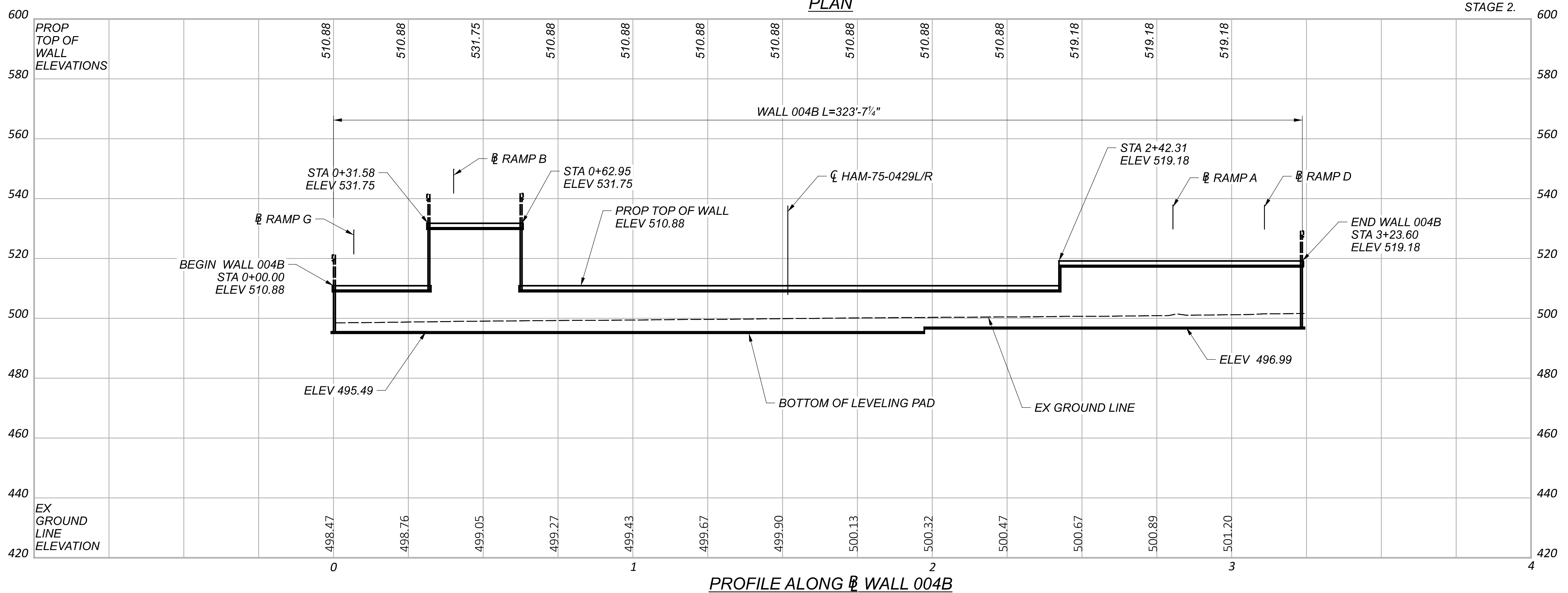
PLAN AND ELEVATION (2 OF 2)
 MSE WALL NO. 004A, ALONG RAMP D
 STA 4+00.00 TO STA 7+27.88

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	17
TOTAL	45
SHEET	P.354
TOTAL	463

MODEL: Wall 4B - Wall 4B [Sheet] PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:08:49 PM USER: stony
pw:\ohdot\pw-bentley.com\ohdot\pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_GannettFleming\Structures\Wall_004\Sheets\114161_WALL004_WP003.dgn



NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2. TEMPORARY MSE WALL DETAILS PER SS867 WILL ALSO BE SHOWN AT STAGE 2.



PLAN AND PROFILE
MSE WALL NO. 004B, ALONG HARRISON AVE
STA 0+00.00 TO STA 3+23.60

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	18 / 45
SHEET	P.355 / 463

PENTABLE: 114161_BW.tbl

PLOT DRIVER: OHDOT_PDF.plt

SUBMITTAL: SUB_STG

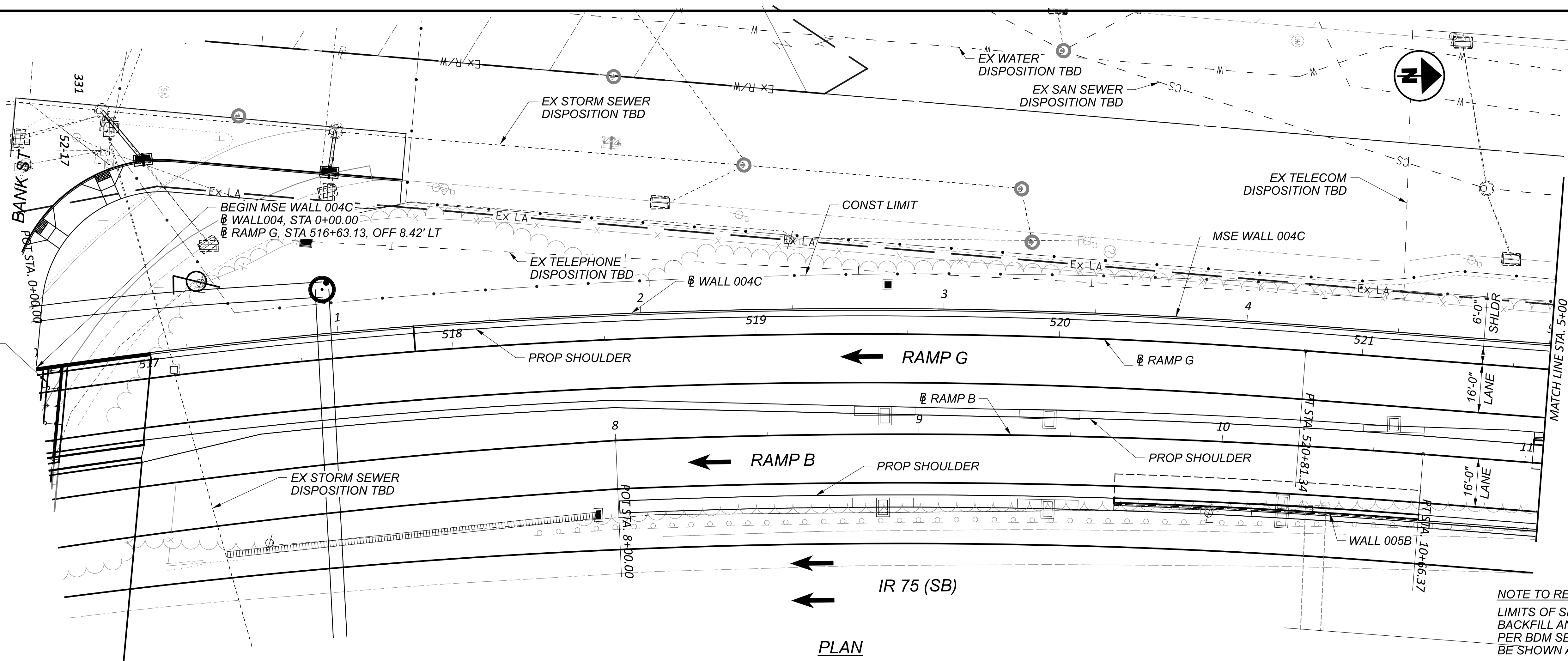
PENTABLE SUBSET: 1

HAM-75-1.95

MODEL: Wall 4C - Wall 4C PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:08:32 PM USER: stony
pw:\ohdot\pw-bentley.com\ohdot\pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_GannettFleming\Structures\Wall_004\Sheets\114161_WALL004_WP004.dgn

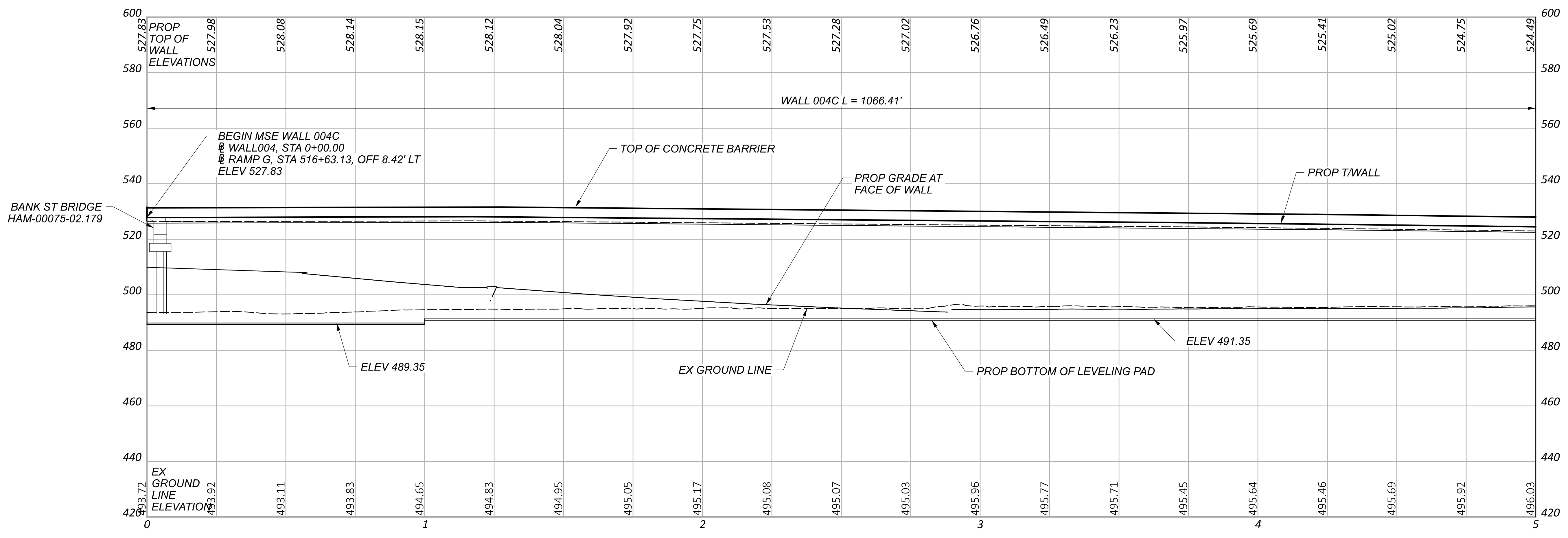
CURVE DATA
P.I. = STA. 2+10.87
 $\Delta = 12^\circ 32' 46''$ RT
 $D_c = 02^\circ 59' 13''$
 $R = 1,918.28'$
 $T = 210.87'$
 $L = 420.05'$
 $E = 11.56'$

BANK ST BRIDGE
HAM-00075-02.179



NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.

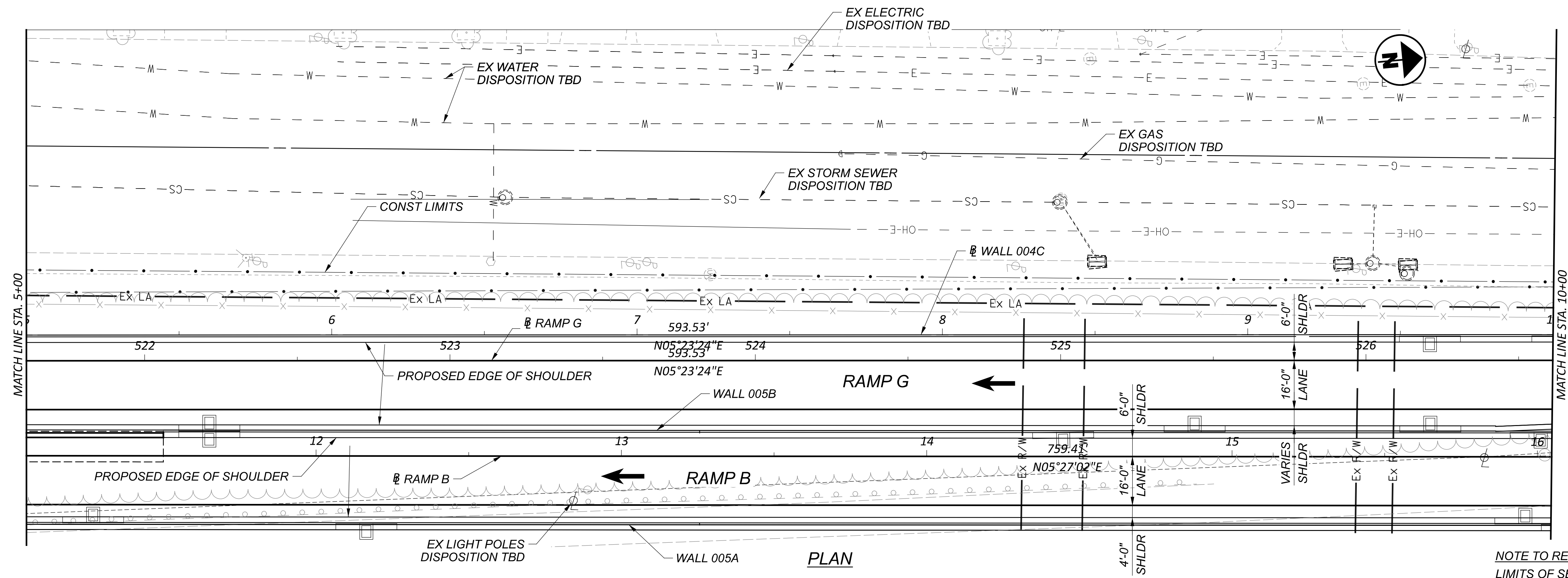
PLAN



PROFILE ALONG WALL 004C

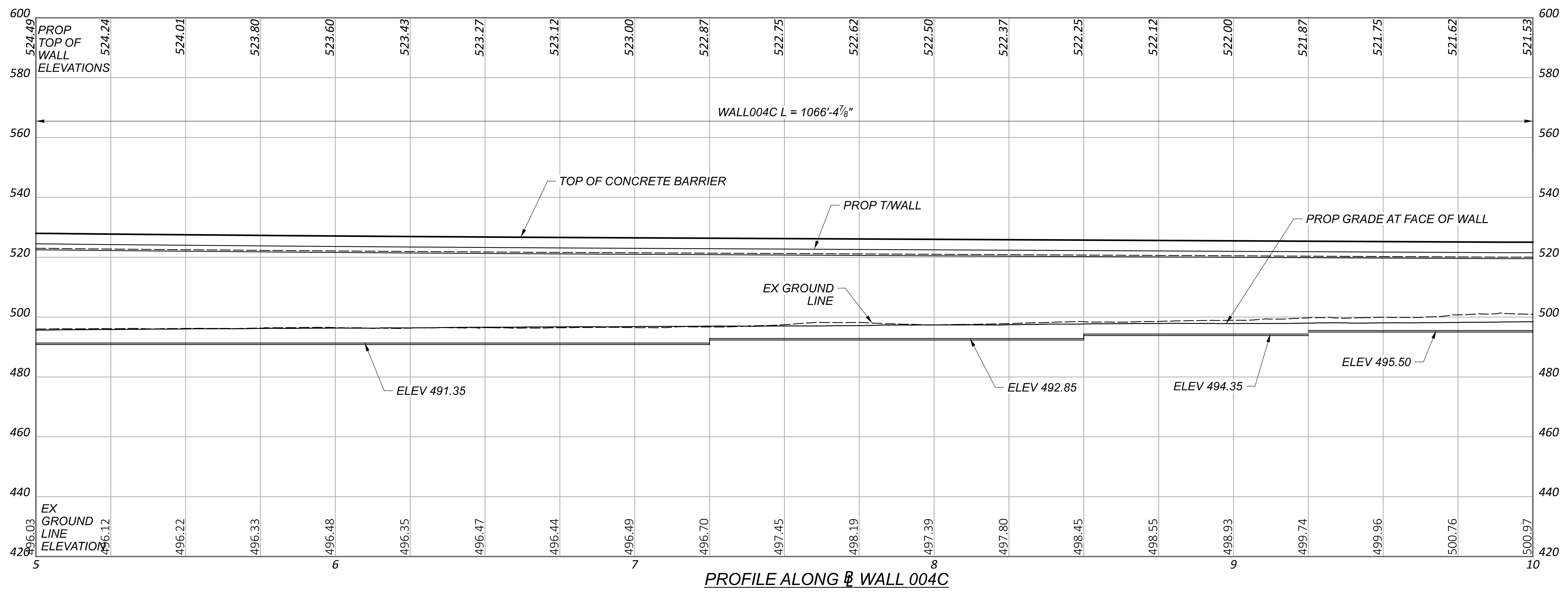
PLAN AND PROFILE (1 OF 3)
MSE WALL NO. 004C, ALONG RAMP G
STA 0+00.00 TO 5+00.00

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	19
TOTAL	45
SHEET	P.356
TOTAL	463



PLAN

NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.



PROFILE ALONG WALL 004C

PLAN AND PROFILE (2 OF 3)
MSE WALL NO. 004C, ALONG RAMP G
STA 5+00.00 TO STA 10+00.00

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	20
TOTAL	45
SHEET	P.357
TOTAL	463

PENTABLE: 114161_BW.tbl

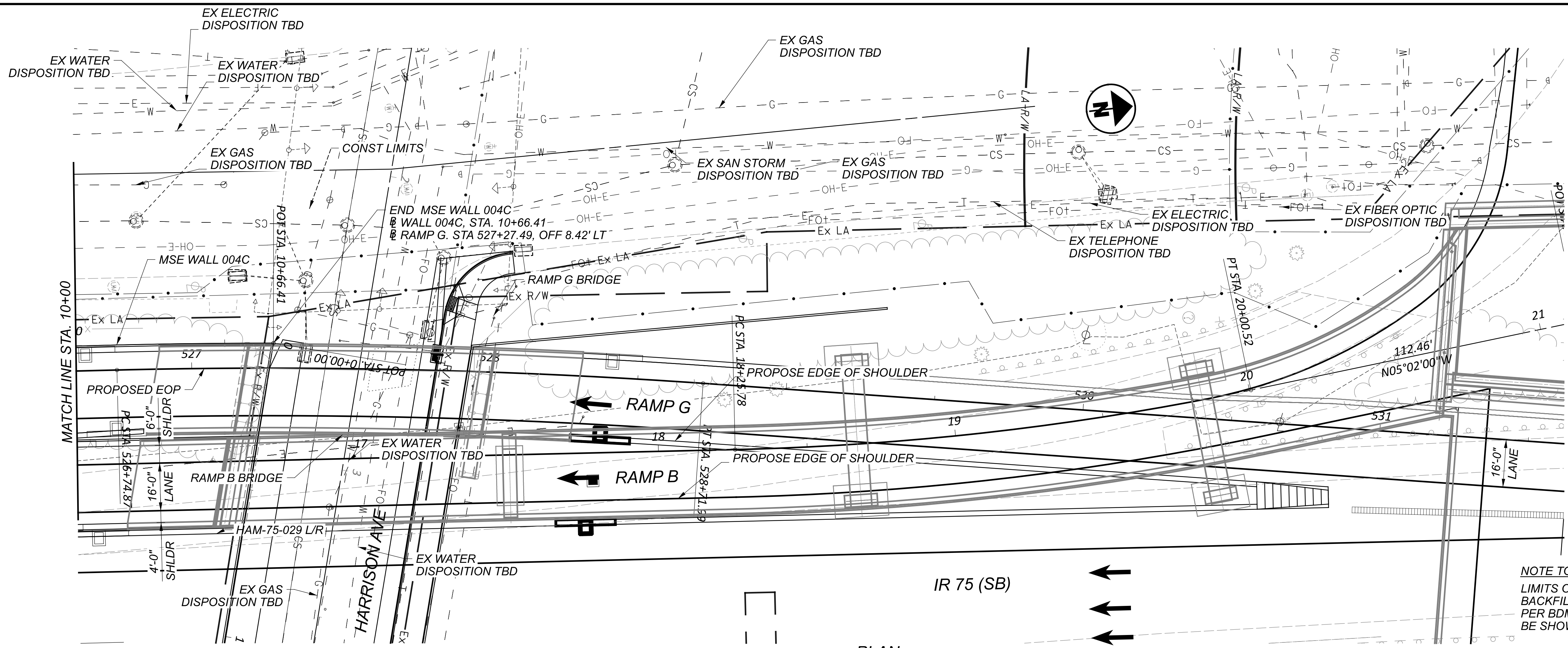
PLOT DRIVER: OHDOT_PDF.plt

SUBMITTAL: SUB_STG

PENTABLE SUBSET: 1

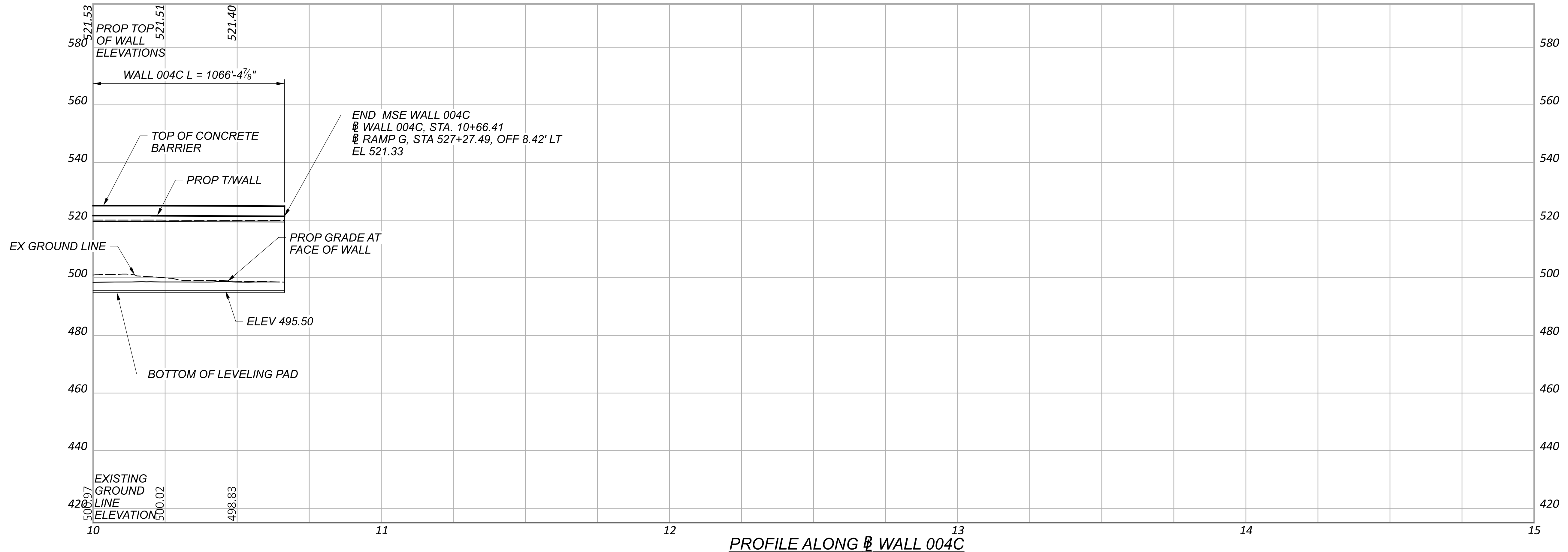
HAM-75-1.95

MODEL: Wall 4C - Wall 4C-2 PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:10:48 PM USER: stony
pw:\ohdot\pw-bentley.com\ohdot\pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_GannettFleming\Structures\Wall_004\Sheets\114161_WALL004_WP006.dgn



NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.

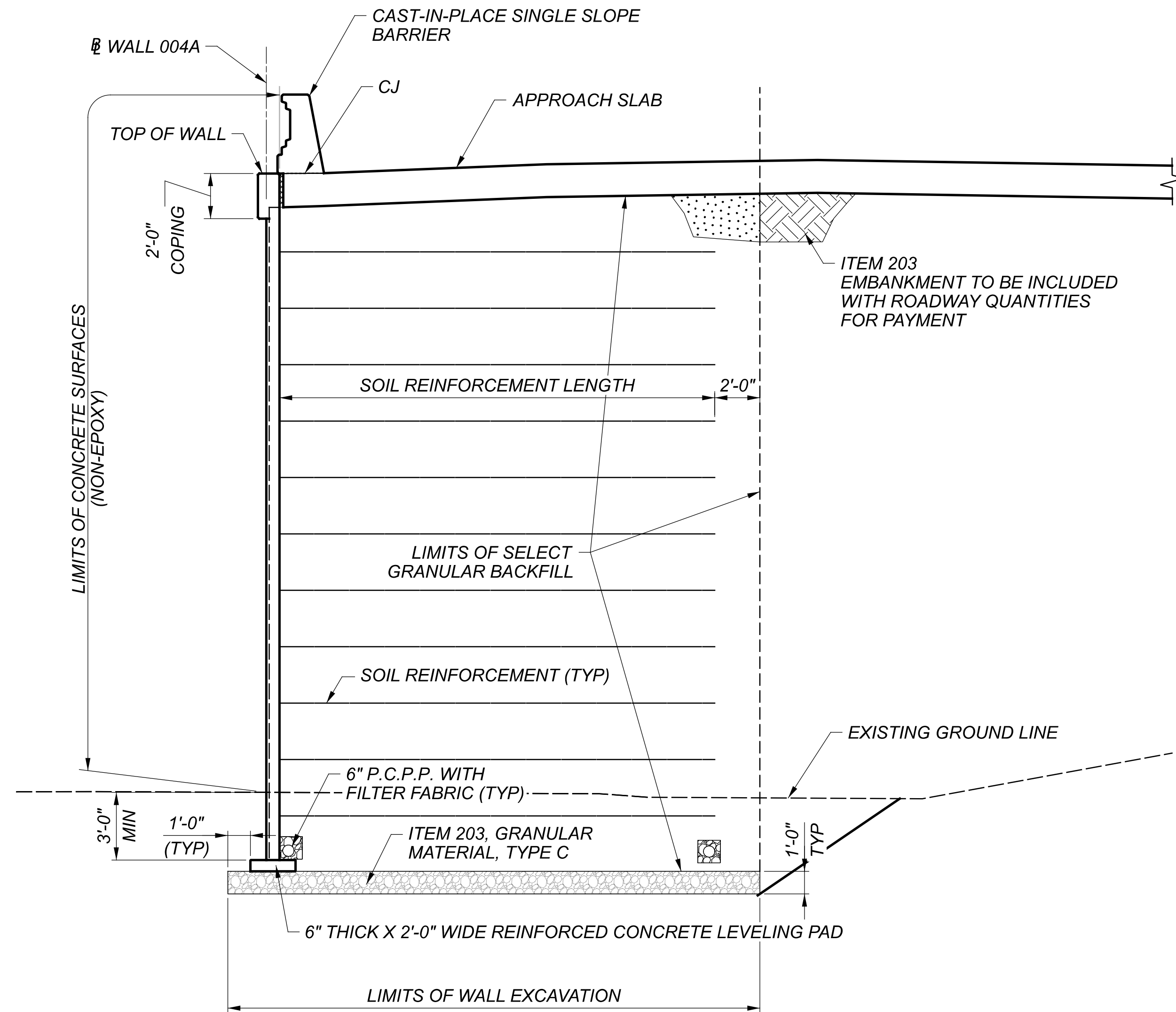
PLAN



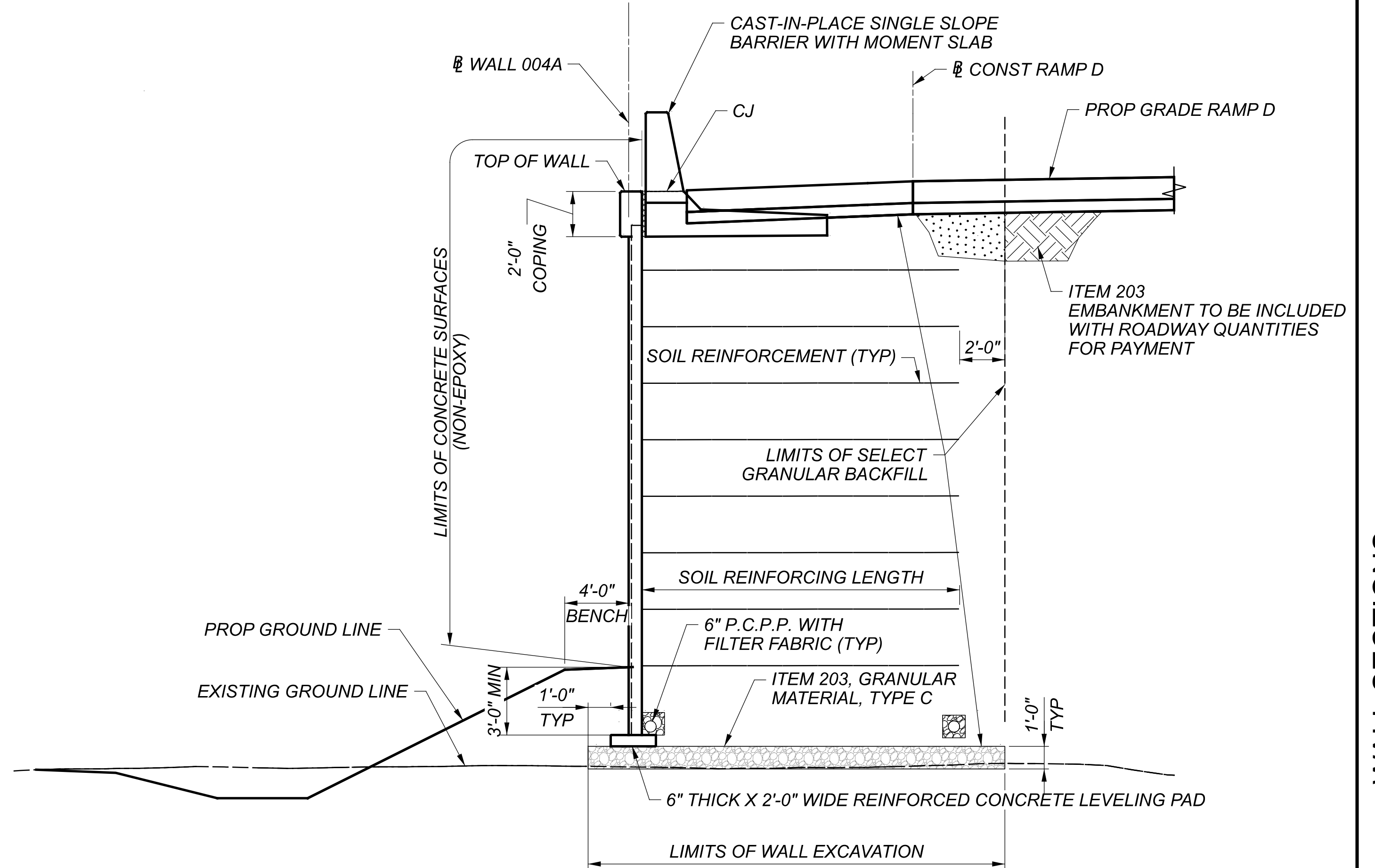
PROFILE ALONG WALL 004C

PLAN AND PROFILE (3 OF 3)
MSE WALL NO. 004C, ALONG RAMP G
STA 10+00.00 TO STA 10+28.63

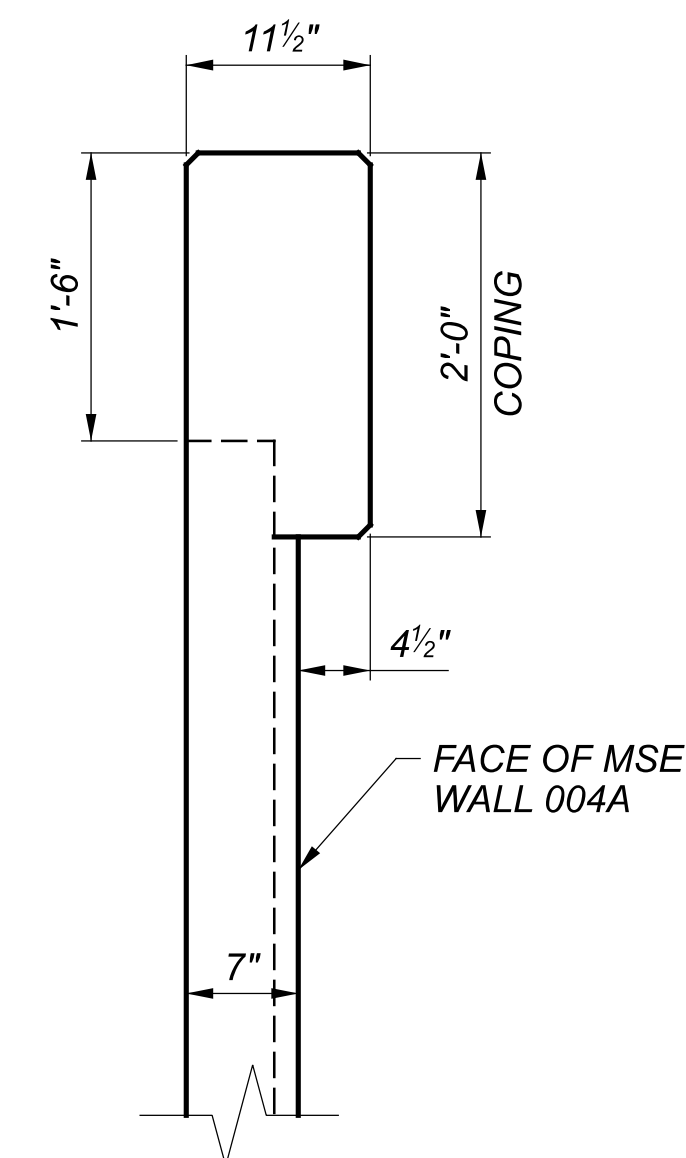
SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	21
TOTAL	45
SHEET	P.358
TOTAL	463



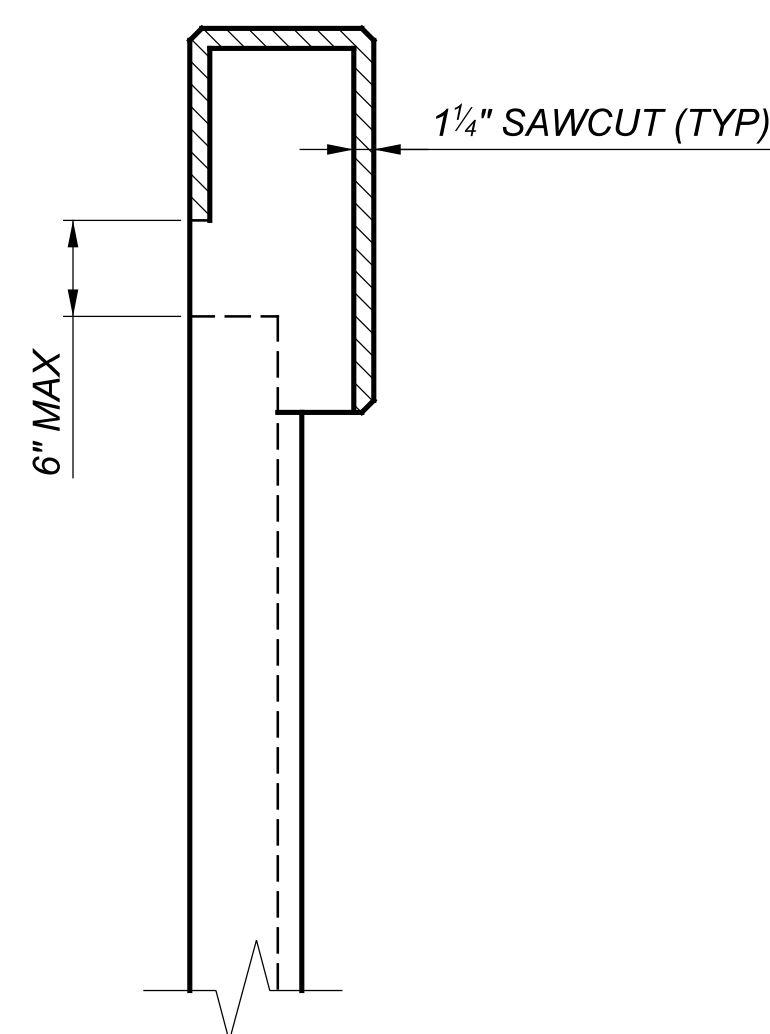
TYPICAL SECTION MSE WALL 004A (AT APPROACH SLAB)
(APPLIES STA. 0+00.00 TO STA 0+38.27)



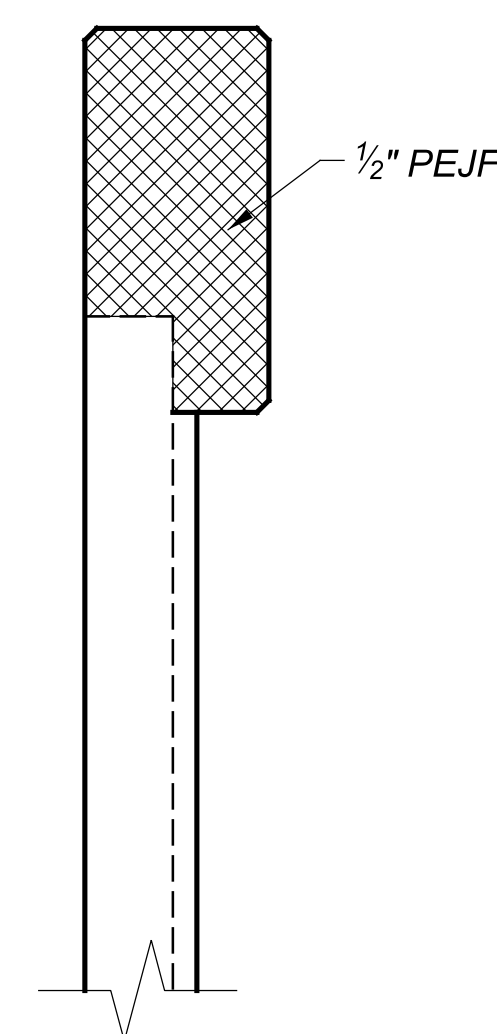
TYPICAL SECTION MSE WALL 004A
(APPLIES STA. 0+38.27 TO STA 7+27.88)



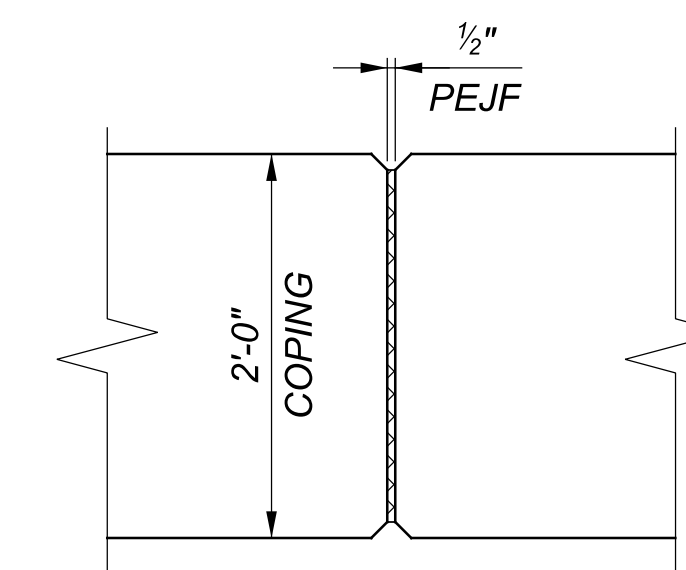
MSE WALL COPING



COPING CONTRACTION JOINTS



COPING EXPANSION JOINTS



COPING EXPANSION JOINT
(MAX JOINT SPACING IS 20'-0")

WALL SECTIONS
RETAINING WALL NO. 004A, ALONG RAMP D
STA 0+00.00 TO STA 7+27.88

SFN

N/A

DESIGN AGENCY



DESIGNER

MTO

CHECKER

SAT

REVIEWER

EFD 06/21/24

PROJECT ID

114161

SUBSET

TOTAL

22 45

SHEET

TOTAL

P.359 463

PENTABLE: 114161_BW.tbl

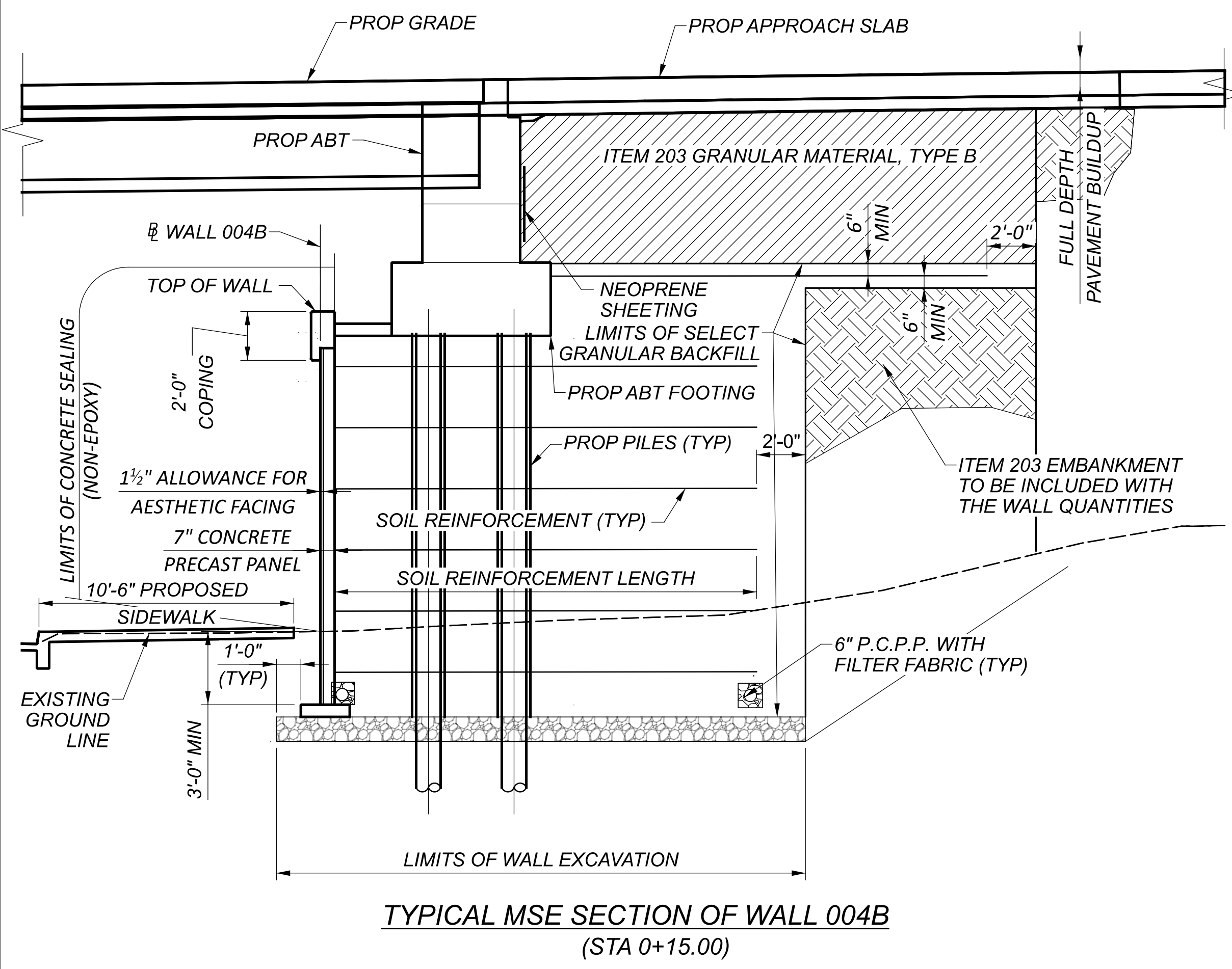
PLOT DRIVER: OHDOT_PDF.plt

SUBMITTAL: SUB_STG

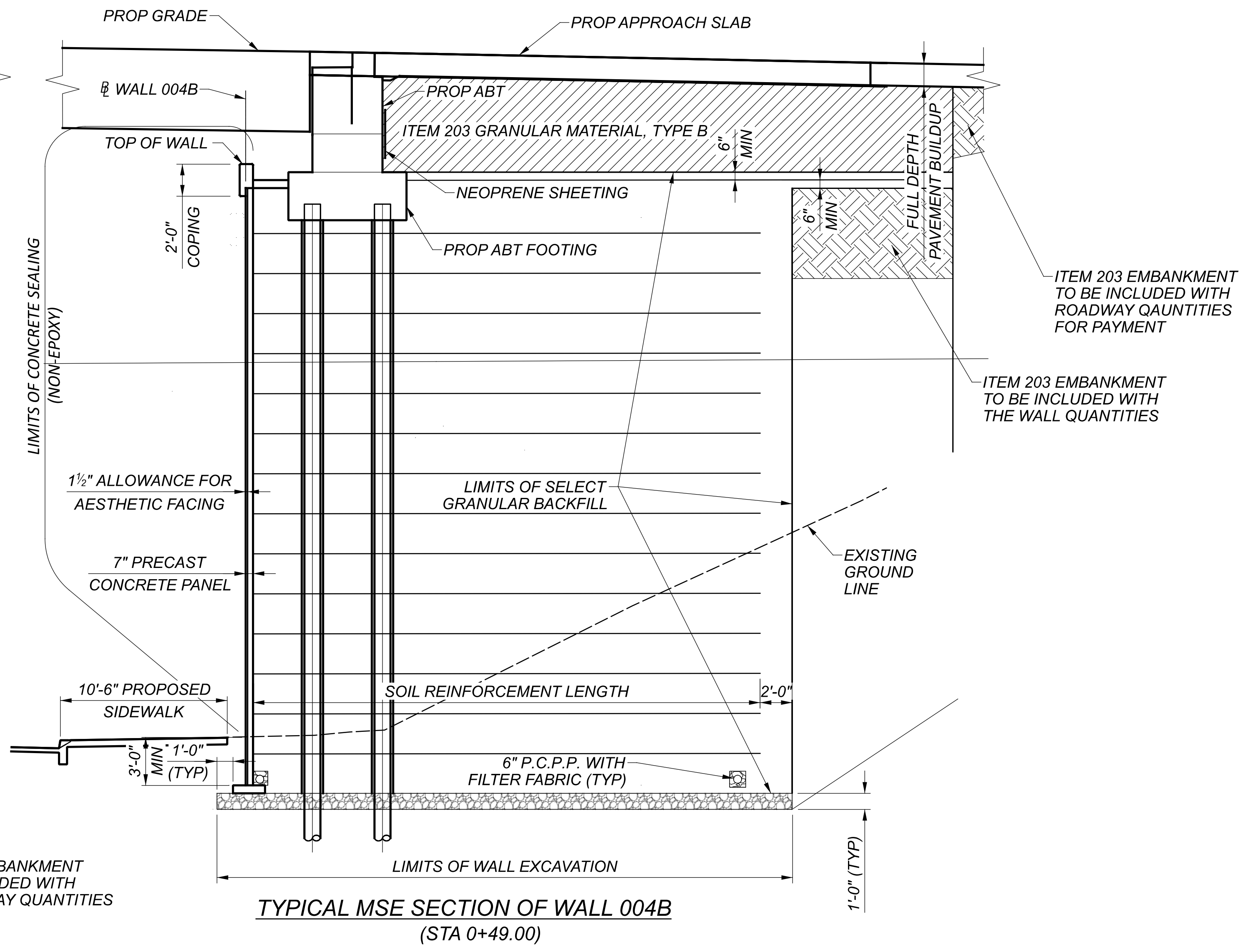
PENTABLE SUBSET: 1

HAM-75-1.95

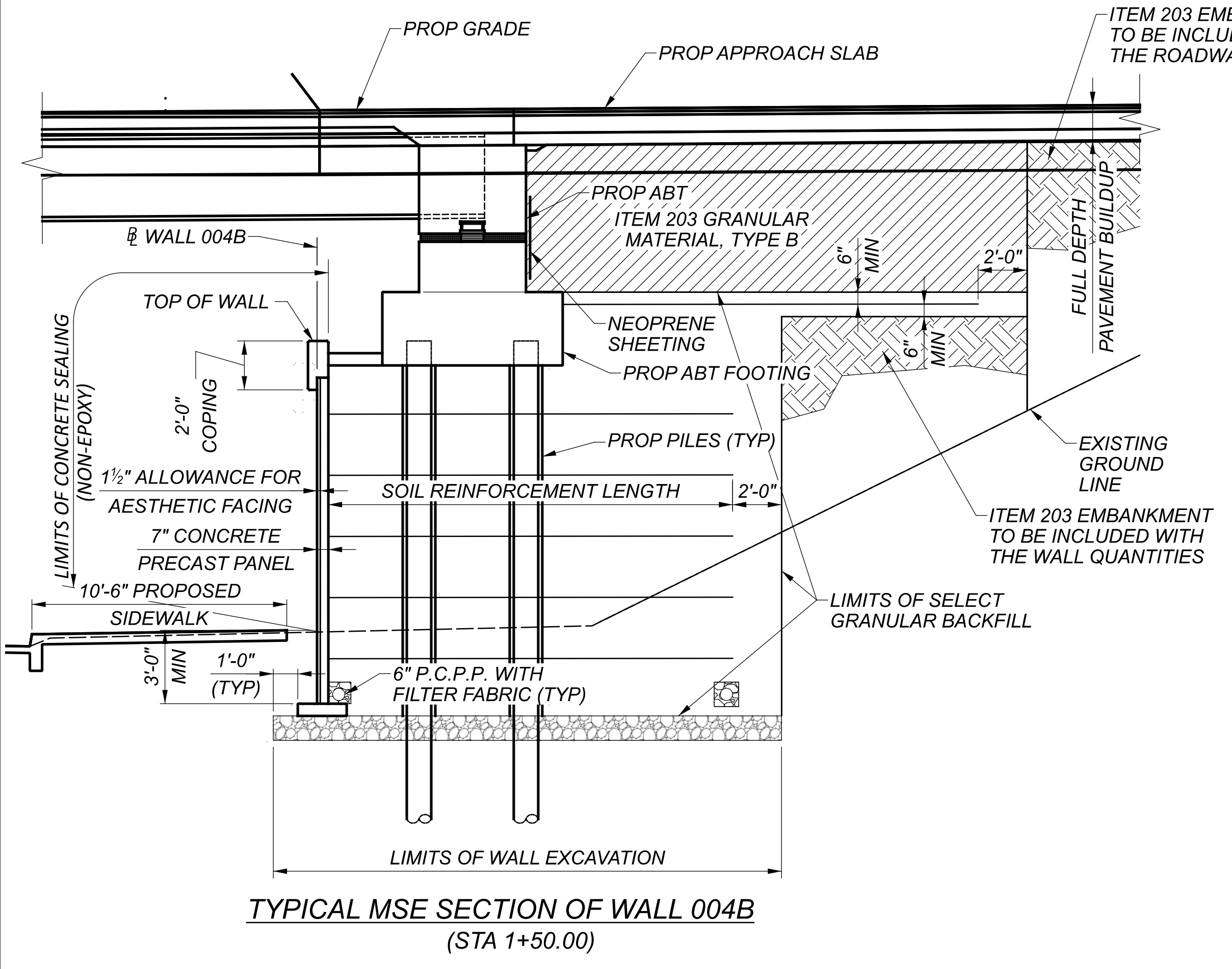
MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:15:11 PM USER: stony
pw:\ohdot\pw-bentley.com\ohdot\pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_GannettFleming\Structures\Wall_004\Sheets\114161_WALL004_WX002.dgn



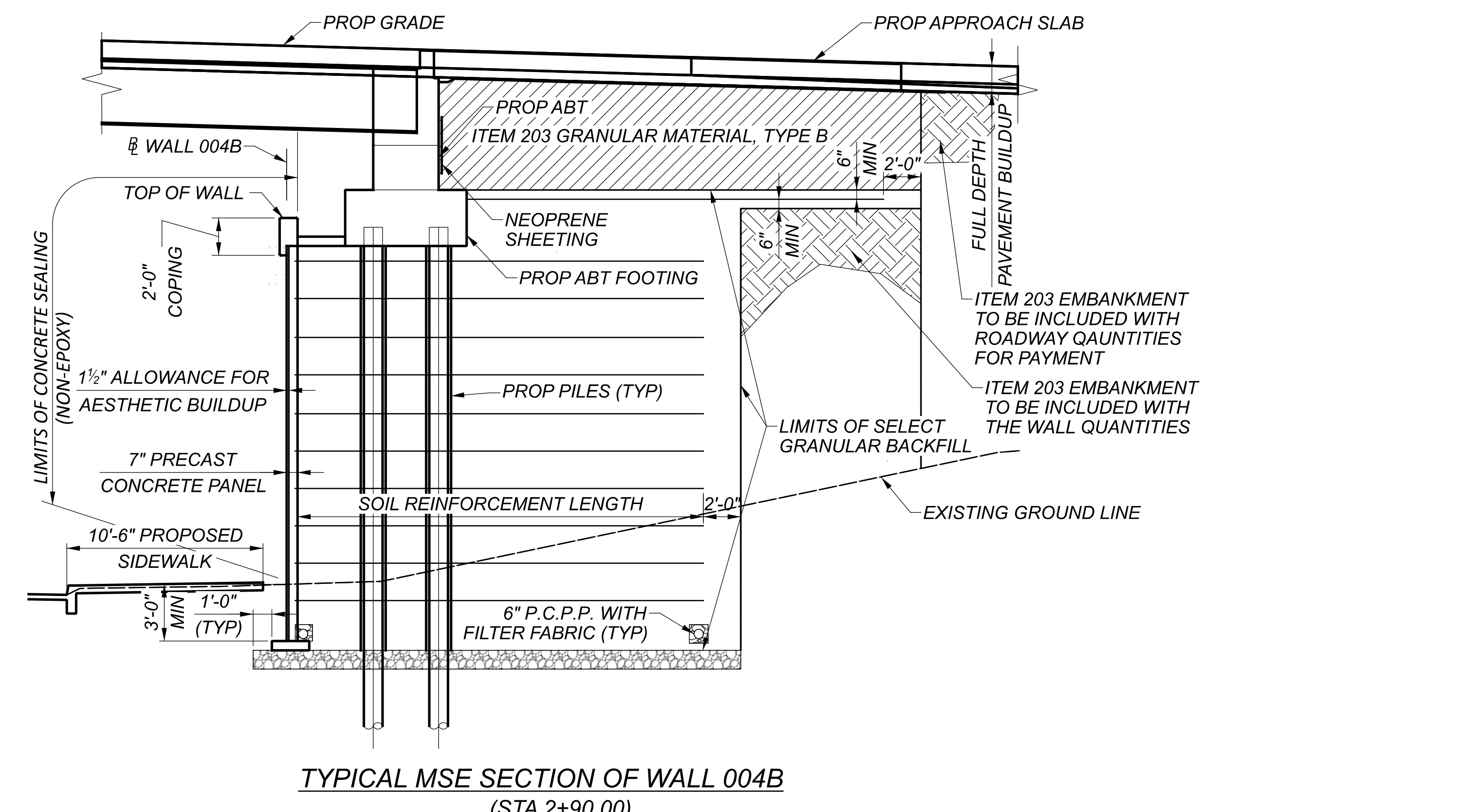
TYPICAL MSE SECTION OF WALL 004B
(STA 0+15.00)



TYPICAL MSE SECTION OF WALL 004B
(STA 0+49.00)



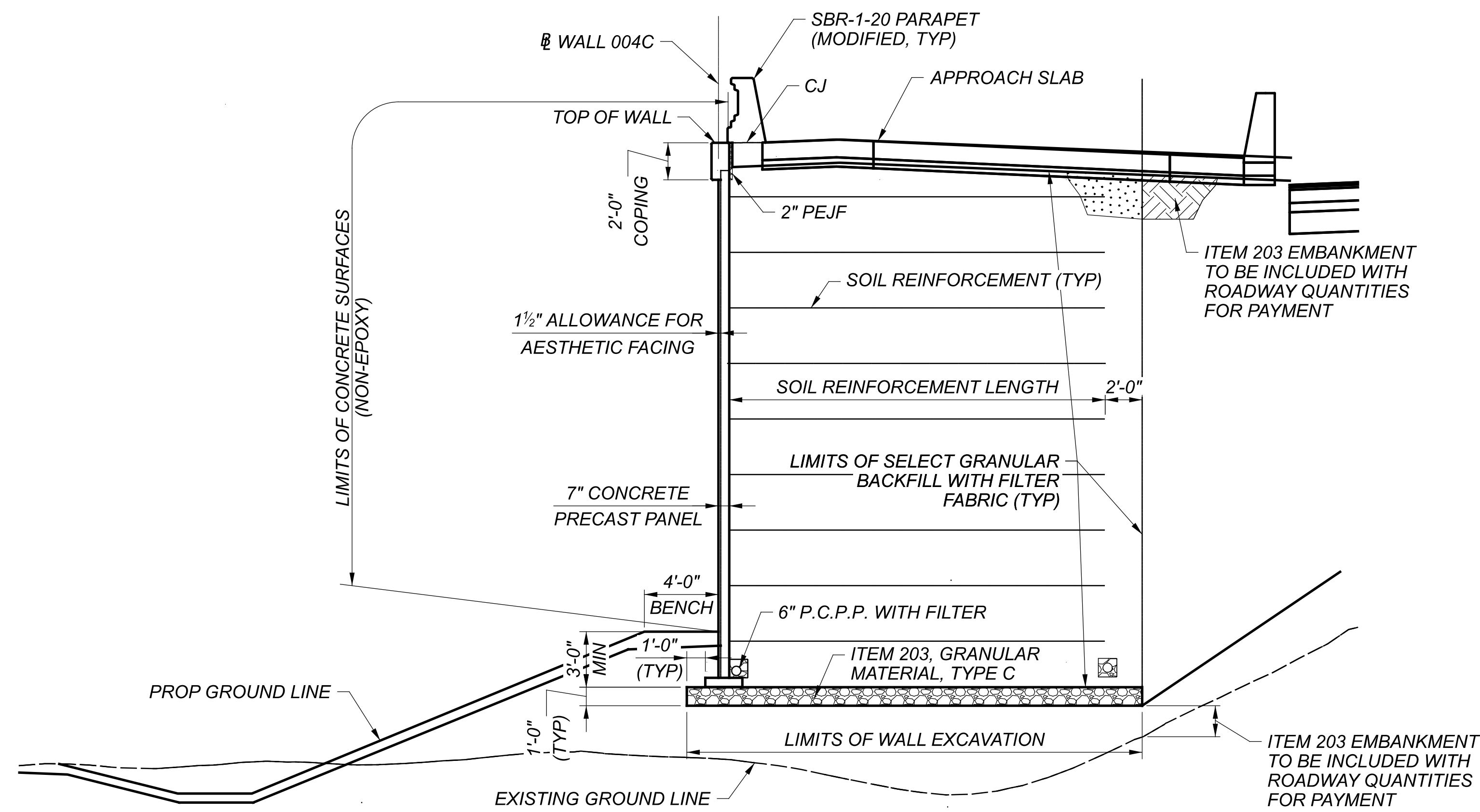
TYPICAL MSE SECTION OF WALL 004B
(STA 1+50.00)



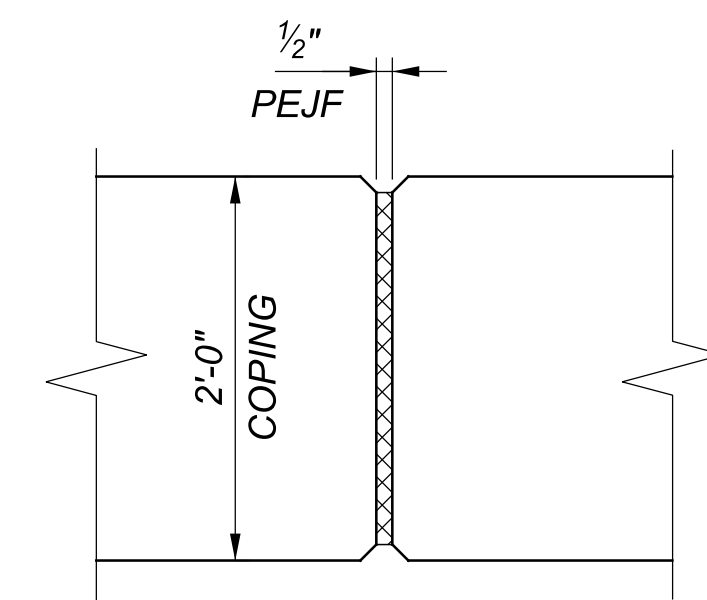
TYPICAL MSE SECTION OF WALL 004B
(STA 2+90.00)

WALL SECTIONS
RETAINING WALL NO. 004B, ALONG HARRISON AVE.
STA 0+00.00 TO STA 3+23.60

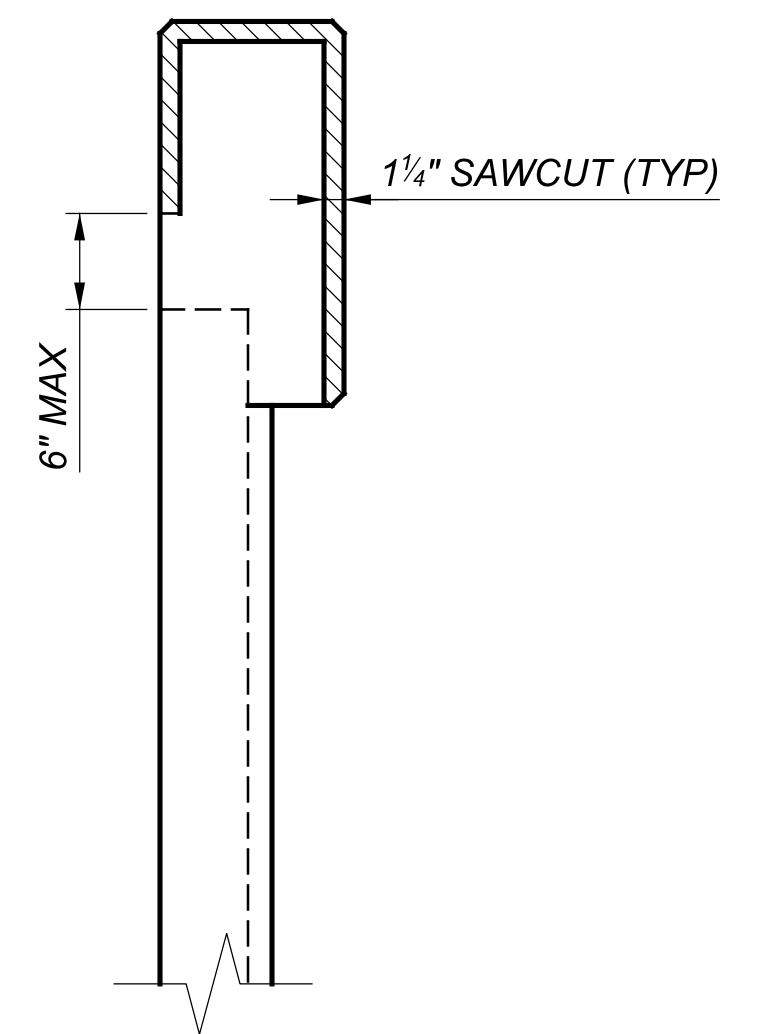
SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER/CHECKER	MTO SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	TOTAL
23	45
SHEET	TOTAL
P.360	463



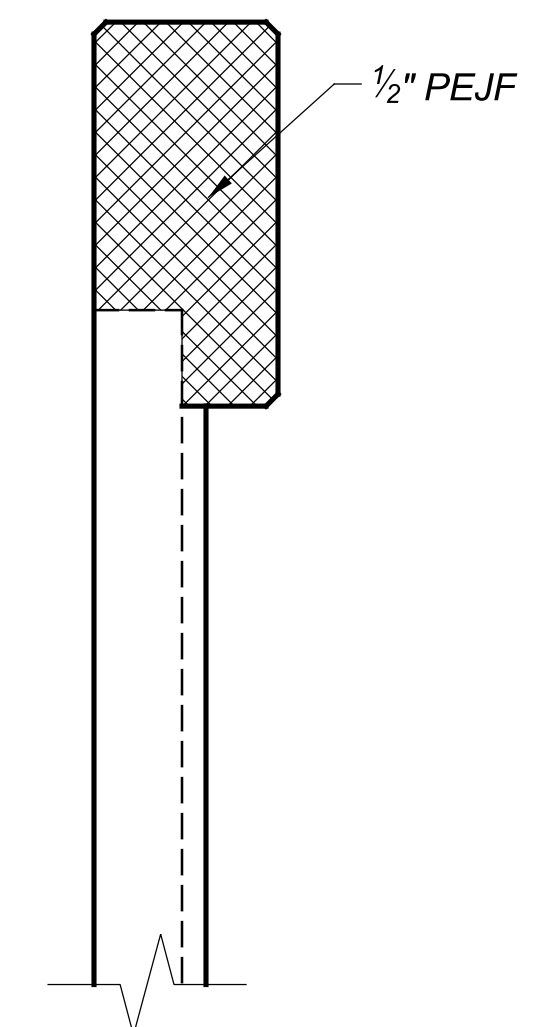
TYPICAL MSE SECTION OF WALL 004C
(APPLIES TO STA 9+90.41 TO STA 10+28.63)



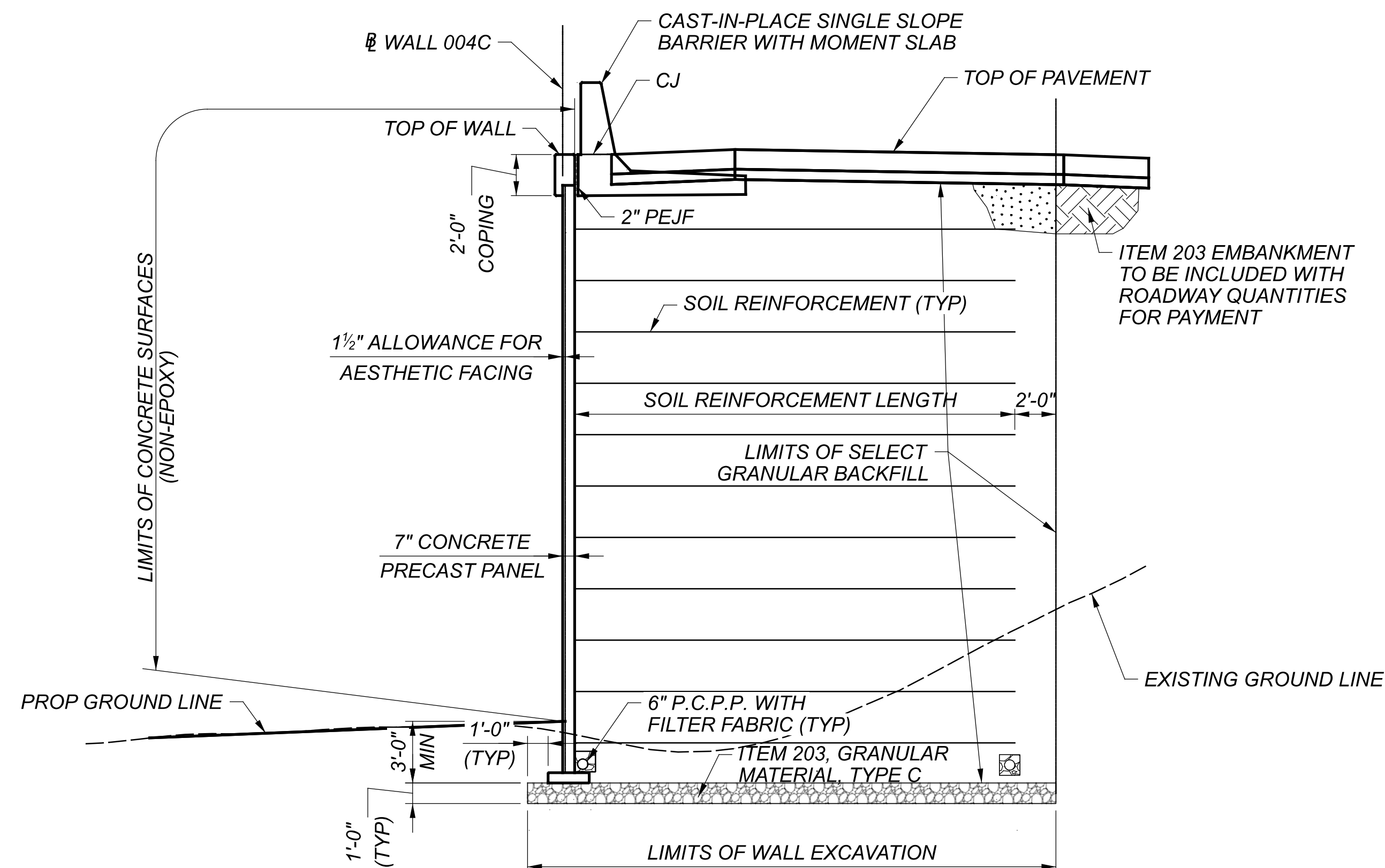
COPING EXPANSION JOINT



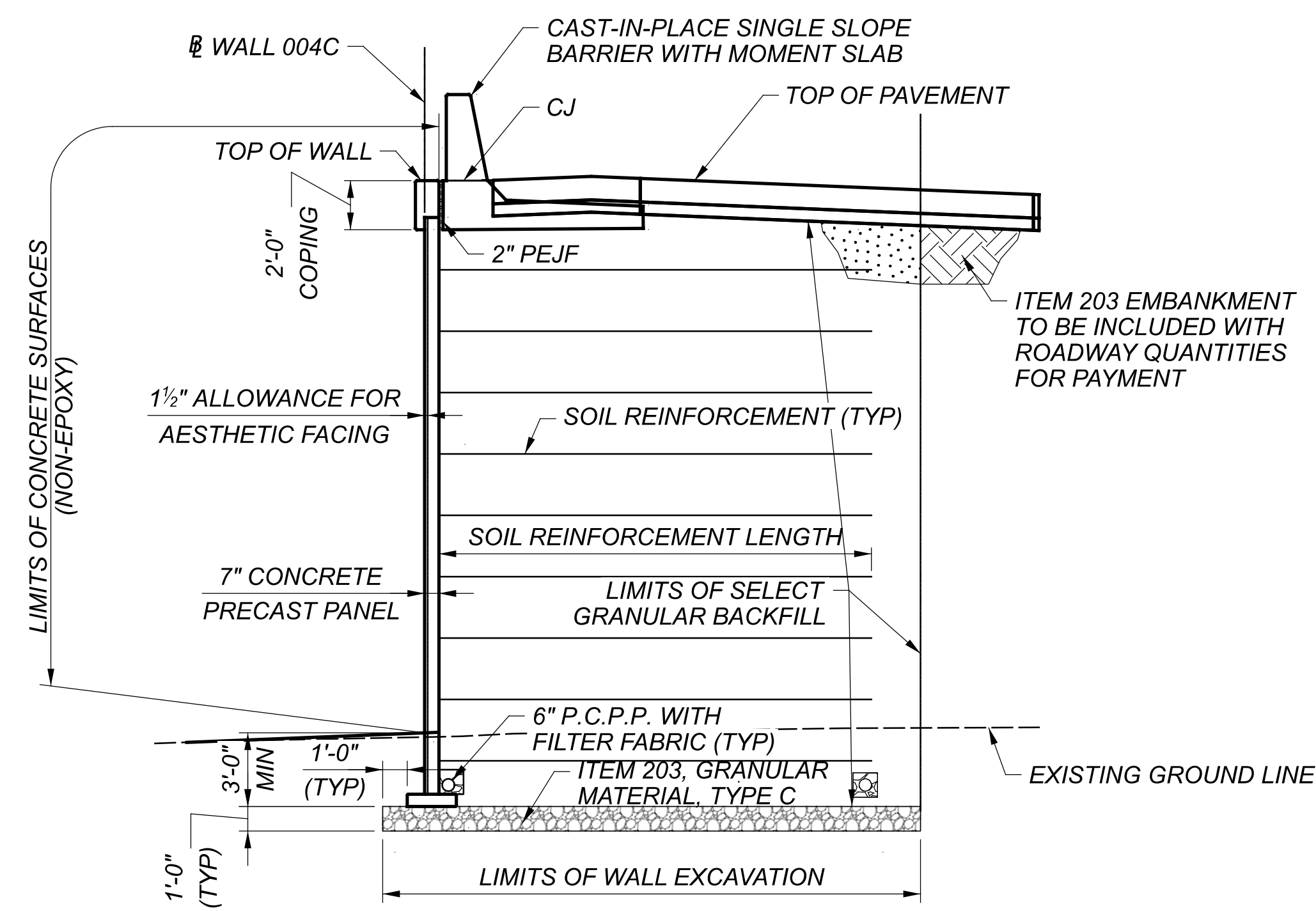
COPING CONTRACTION JOINTS



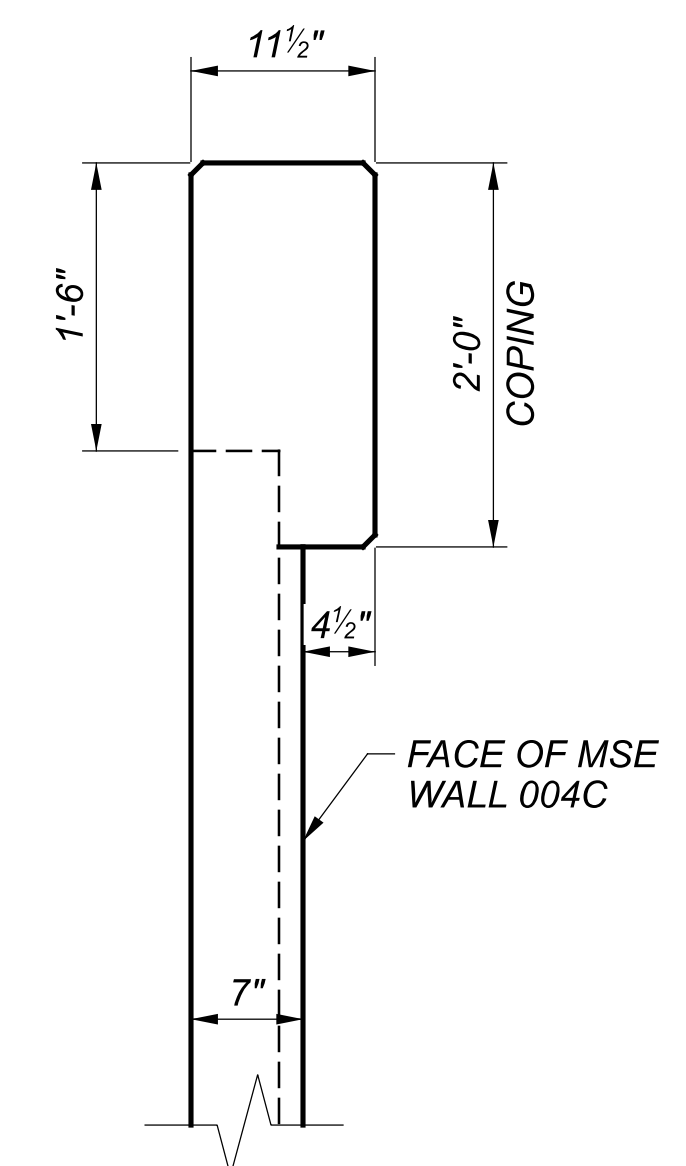
COPING EXPANSION JOINTS



TYPICAL MSE SECTION OF WALL 004C
(APPLIES TO STA 4+00.00)



TYPICAL MSE SECTION OF WALL 004C
(APPLIES TO STA 9+30.00)



MSE WALL COPING

WALL SECTIONS
RETAINING WALL NO. 004C, ALONG RAMP G
STA 0+00.00 TO STA 10+28.63

SFN

N/A

DESIGN AGENCY

GANNETT FLEMING
2500 Corporate Exchange Dr.
Suite 230
Columbus, OH 43231

DESIGNER

CHICKER

MTO

SAT

REVIEWER

EFD 06/21/24

PROJECT ID

114161

SUBSET

24

TOTAL

45

SHEET

P.361

TOTAL

463

PENTABLE: 114161_BW.tbl

PLOT DRIVER: OHDOT_PDF.plt

SUBMITTAL: SUB_STG

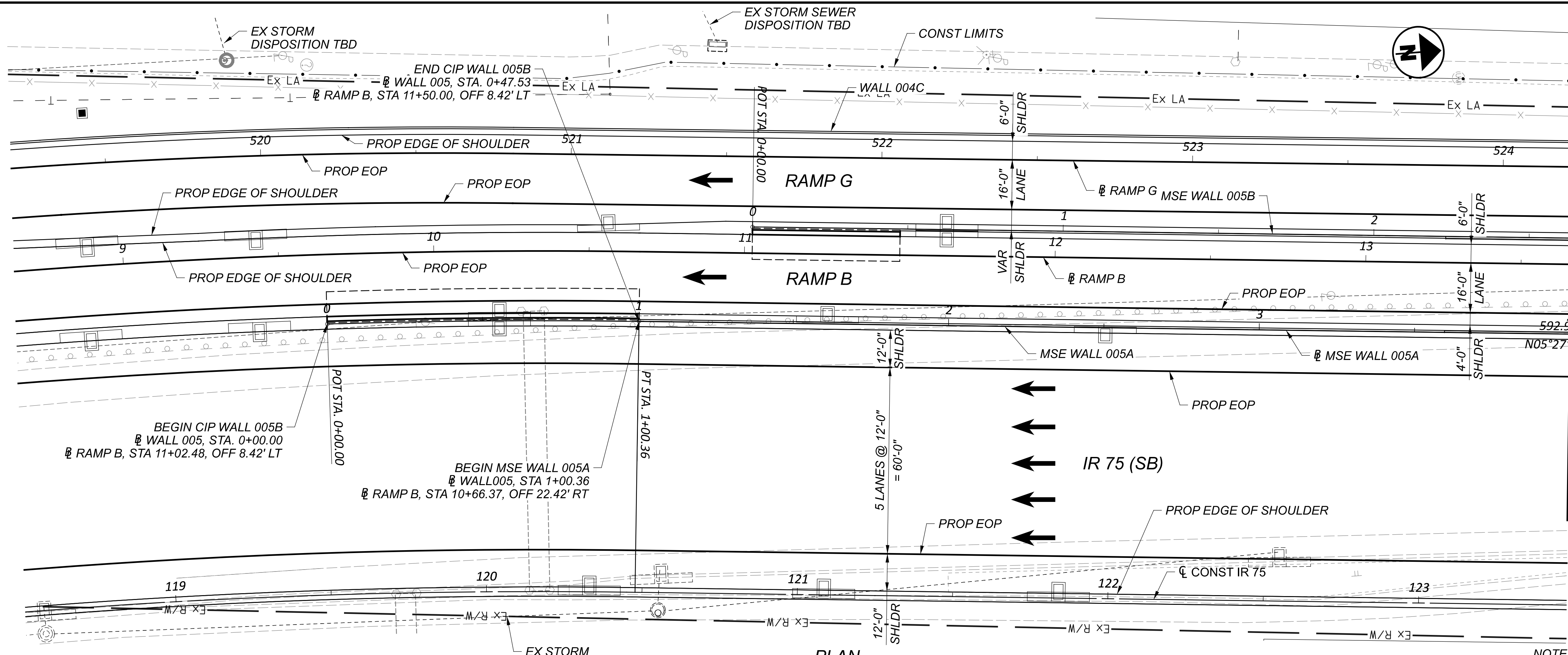
PENTABLE SUBSET: 1

HAM-75-1.95

MODEL: Wall 5A-1 - Wall 5A-4 PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:19:00 PM USER: stony

pw:\ohdot\pw-bentley.com\ohdot\pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_GannettFleming\Structures\Wall_005\Sheets\114161_WALL005_WP001.dgn

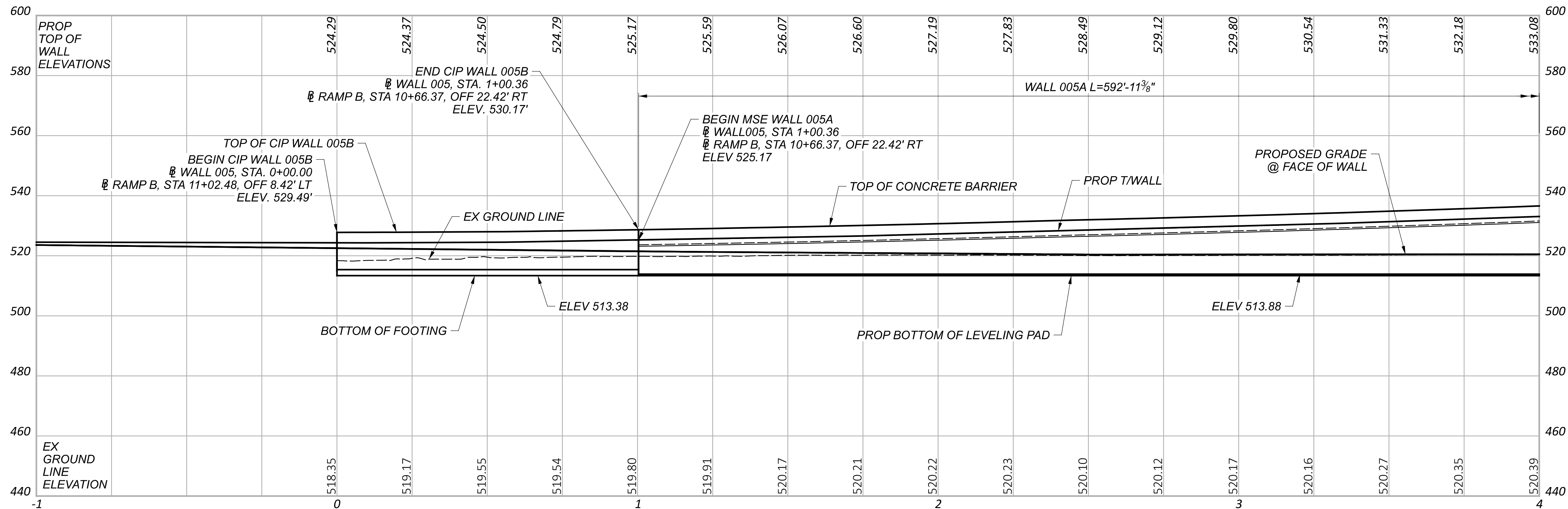
CURVE DATA
 P.I. STA. = 0+50.19
 $\Delta = 02^{\circ}37'15''$ RT
 $D_c = 02^{\circ}36'41''$
 $R = 2,194.03$
 $T = 50.19'$
 $L = 100.36'$
 $E = .57'$



PLAN

NOTE
 CIP WALLS WILL BE SHOWN SEPARATELY FROM THE MSE WALLS FOR STAGE 2 SUBMISSION.

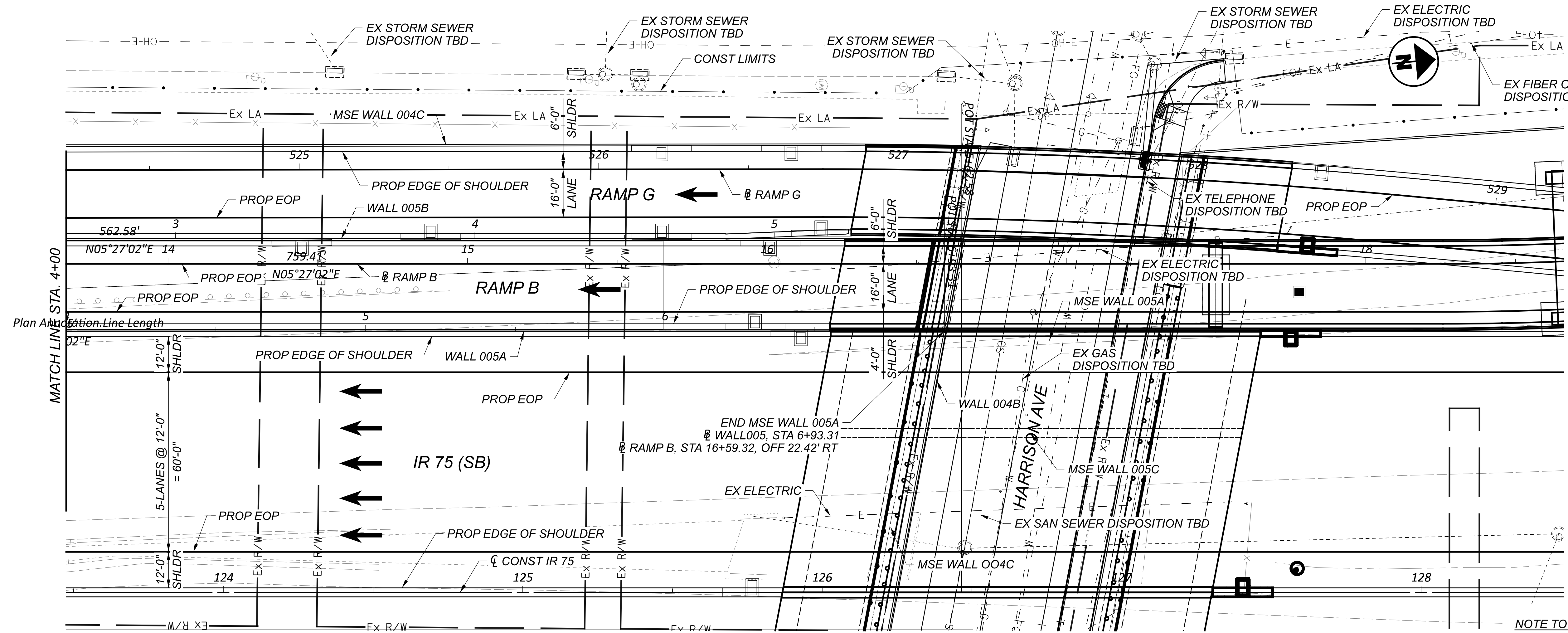
NOTE TO REVIEWER
 LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.



PROFILE ALONG WALL 005A

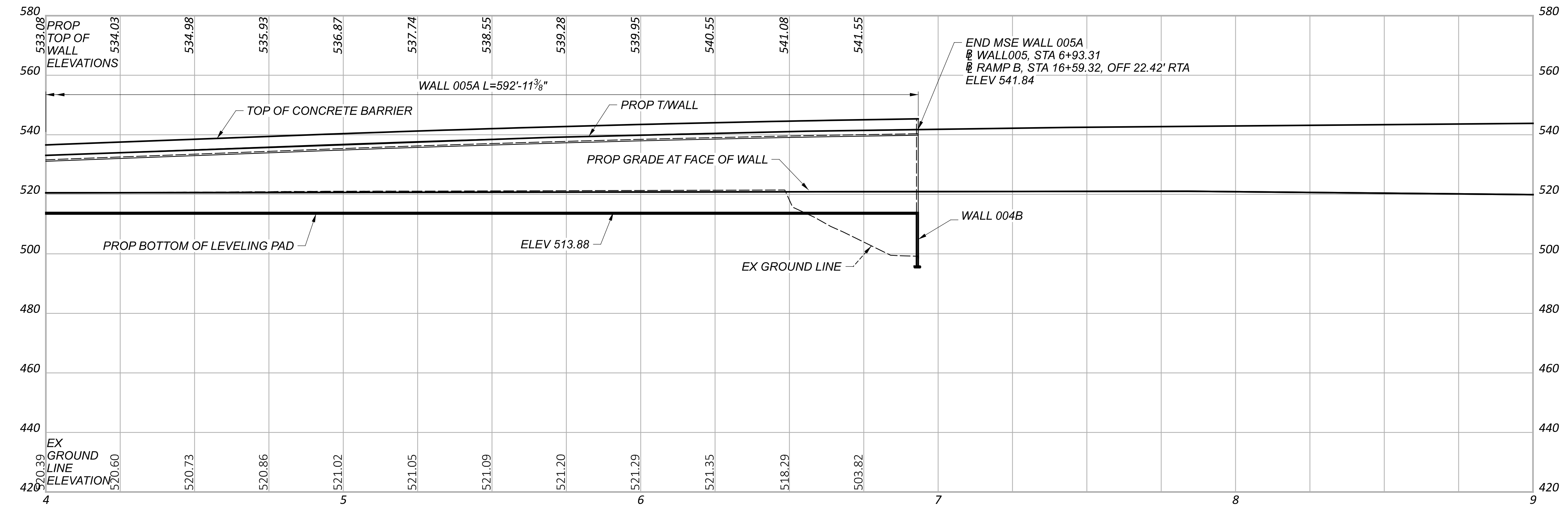
PLAN AND PROFILE (1 OF 2)
 RETAINING WALL NO. 005A ALONG RAMP B
 STA 0+00.00 TO STA 4+00.00

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	25
TOTAL	45
SHEET	P.362
TOTAL	463



PLAN

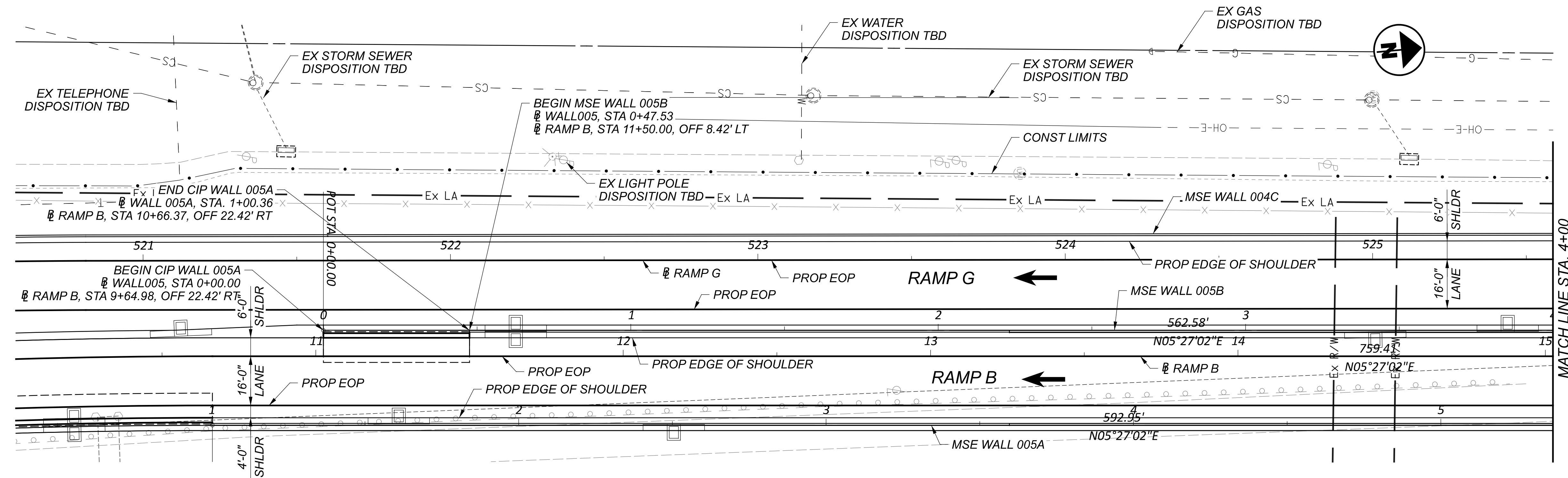
NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.



PROFILE ALONG WALL 005A

PLAN AND PROFILE (2 OF 2)
RETAINING WALL NO. 005A ALONG RAMP B
STA 4+00.00 TO STA 6+93.31

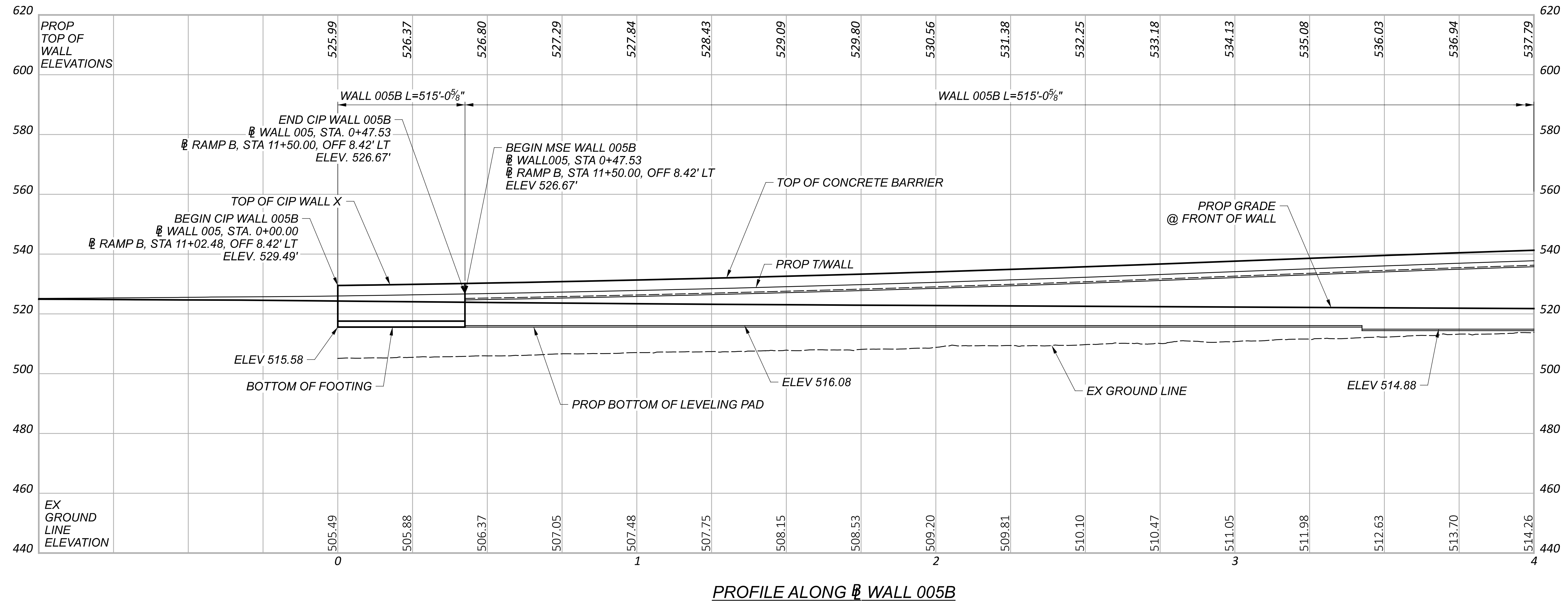
SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER/CHECKER	MTO SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	TOTAL 26 45
SHEET	TOTAL P.363 463



NOTE
CIP WALLS WILL BE SHOWN SEPARATELY FROM THE MSE WALLS FOR STAGE 2 SUBMISSION.

PLAN

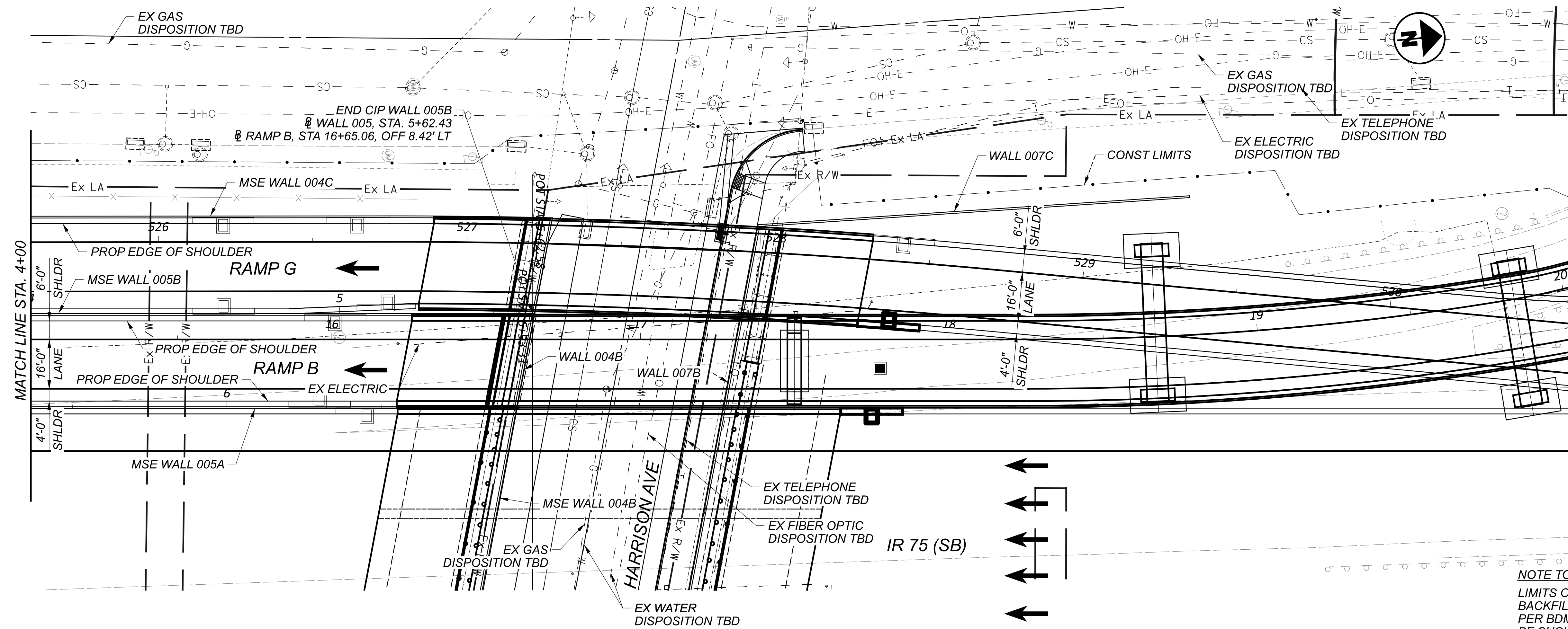
NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.



PROFILE ALONG WALL 005B

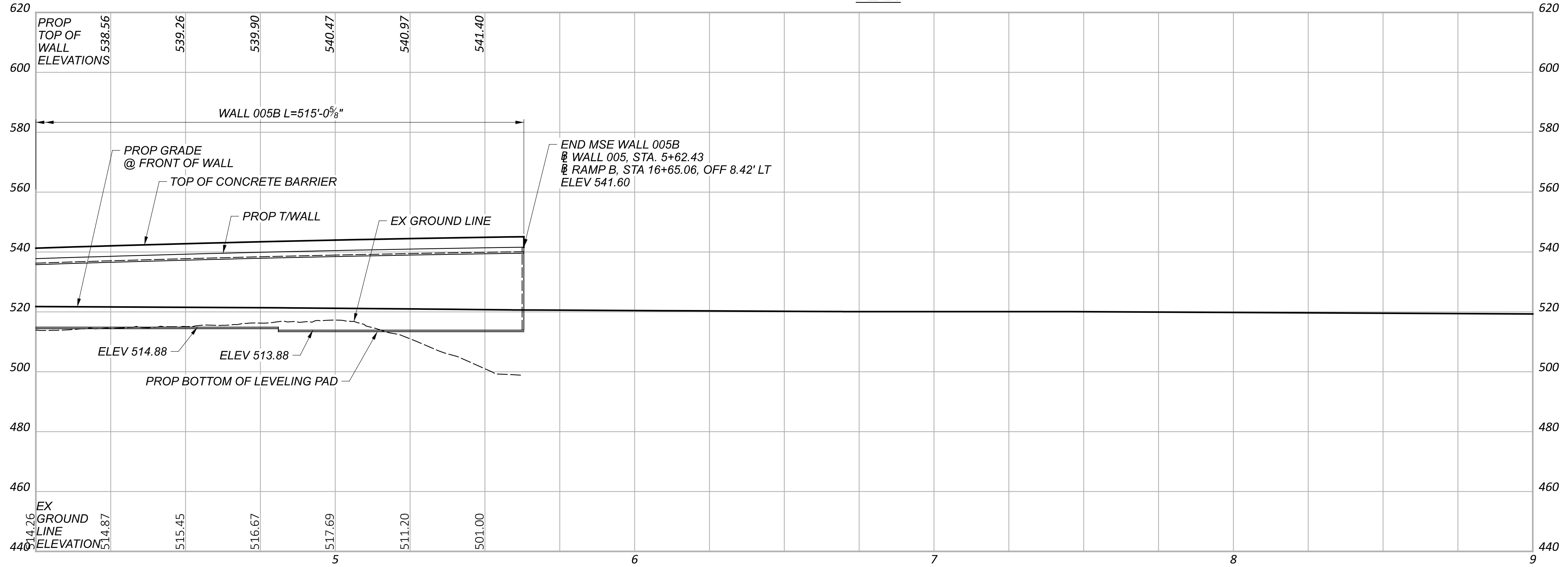
PLAN AND PROFILE (1 OF 2)
RETAINING WALL NO. 005B ALONG RAMP B & G
STA 0+00.00 TO STA 4+00

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	27
TOTAL	45
SHEET	P.364
TOTAL	463



PLAN

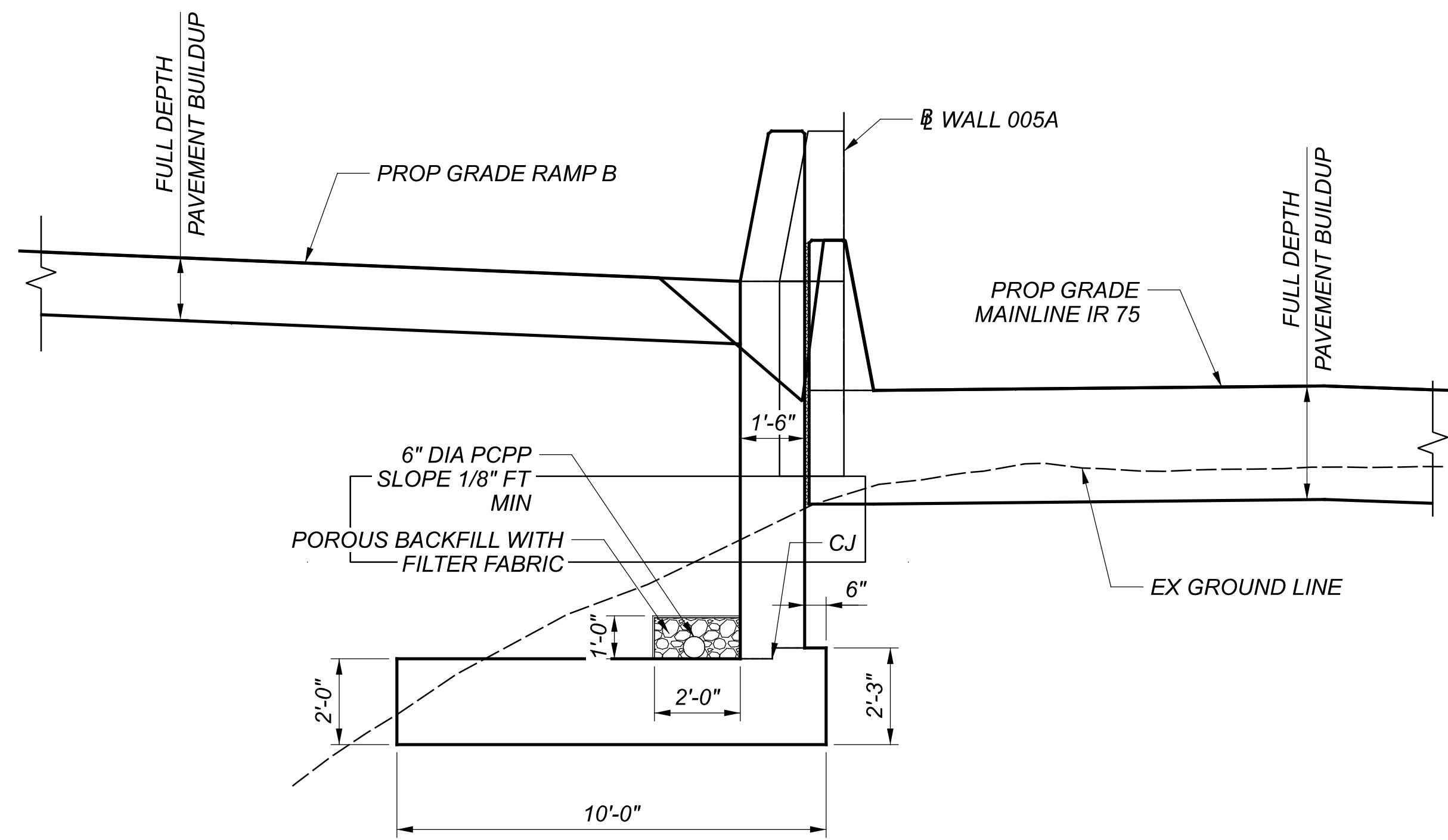
NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.



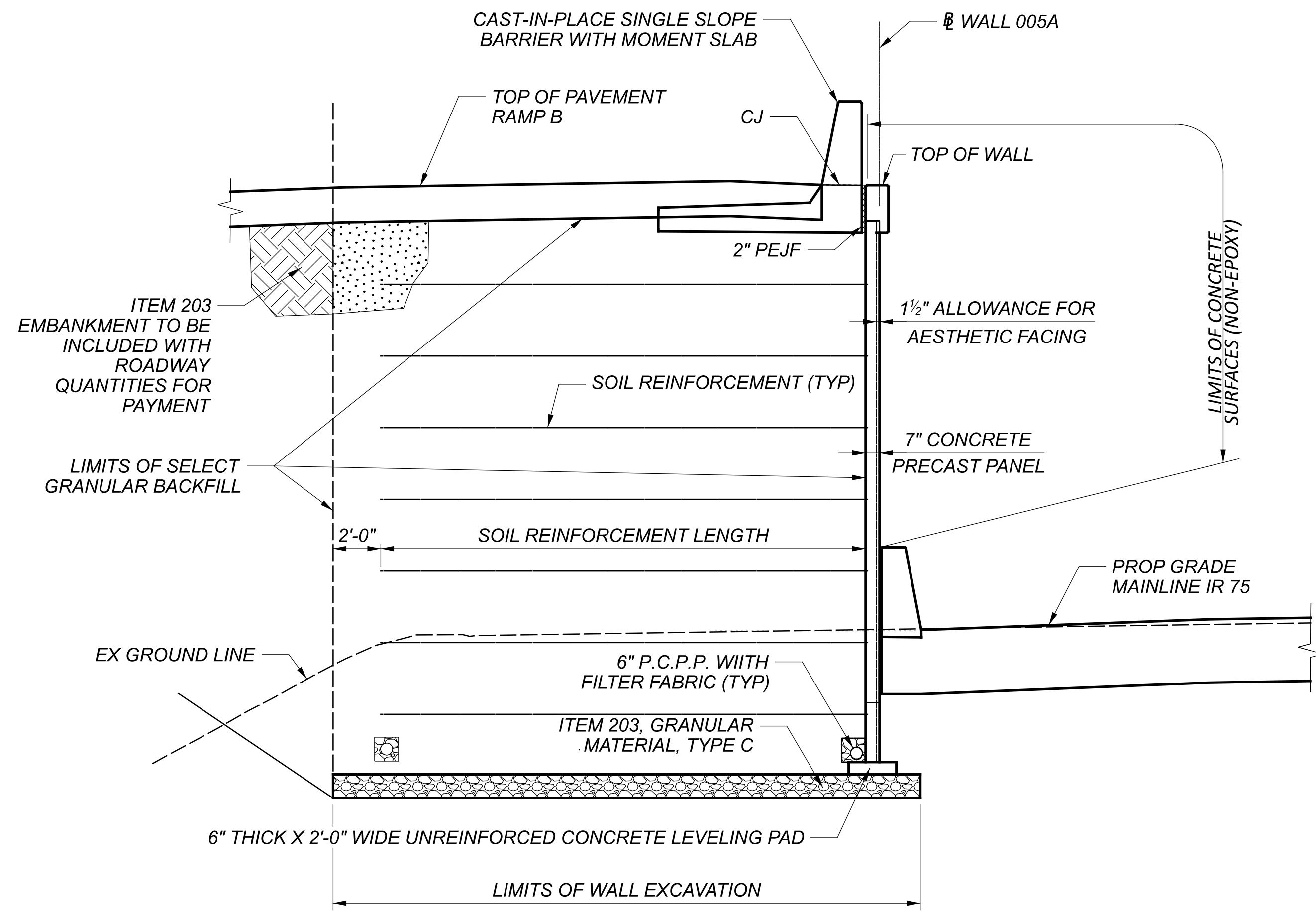
PROFILE ALONG WALL 005B

PLAN AND PROFILE (2 OF 2)
RETAINING WALL NO. 005B ALONG RAMP B & G
STA 4+00.00 TO STA 5+62.43

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	28
TOTAL	45
SHEET	P.365
TOTAL	463



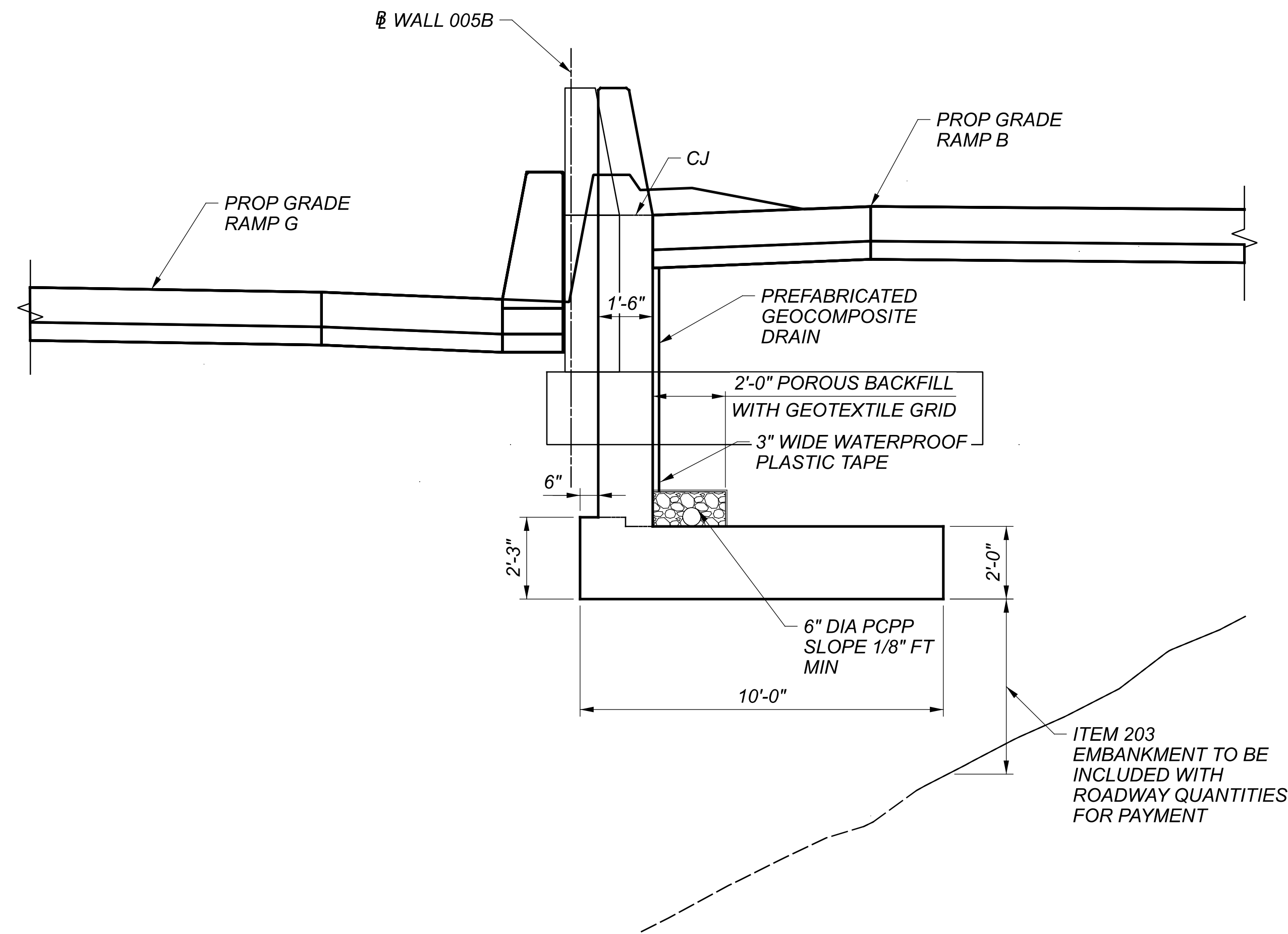
TYPICAL CAST-IN-PLACE SECTION WALL 005A
 (APPLIES FROM STA 0+00.00 TO STA 0+99.22)



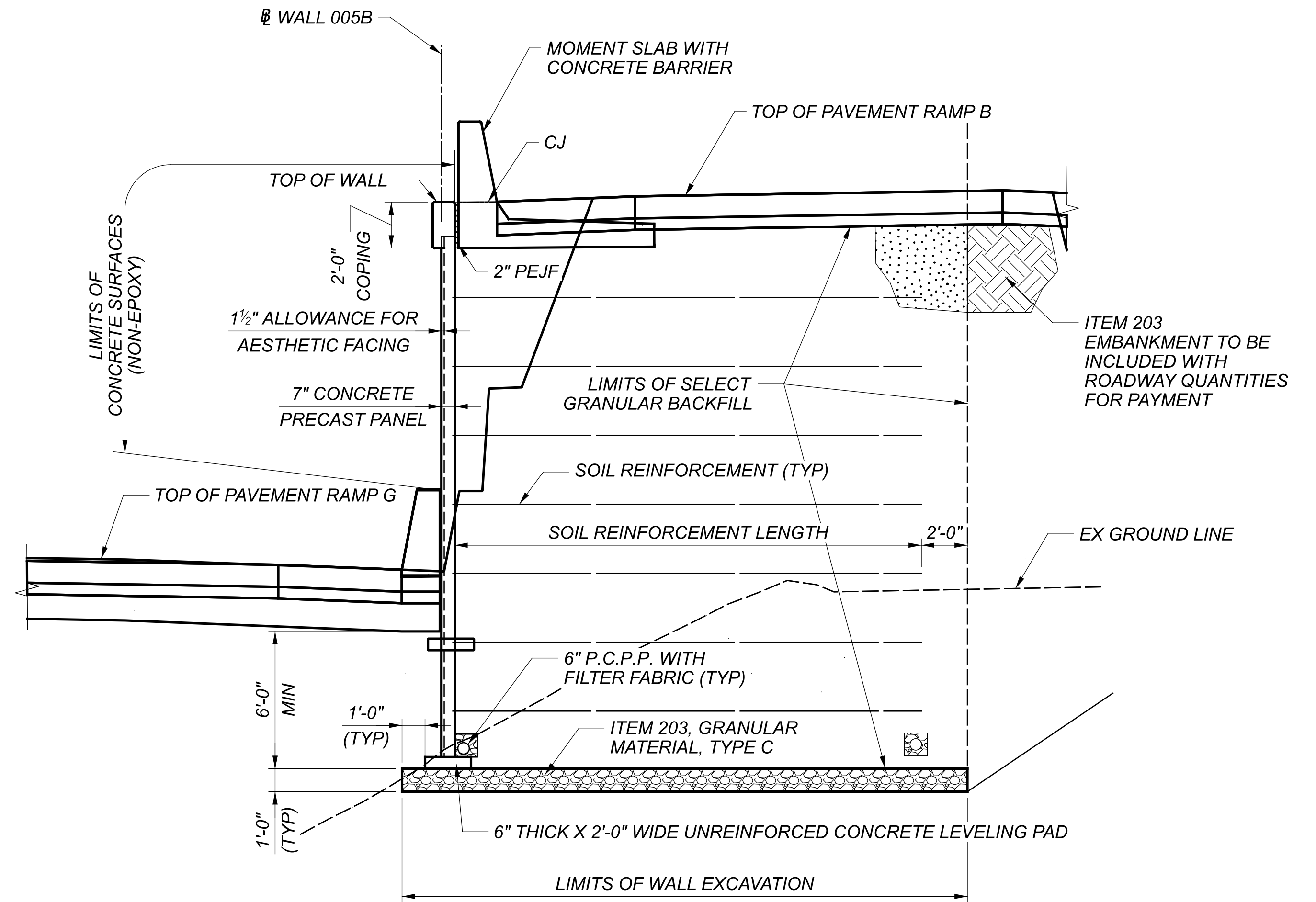
TYPICAL SECTION WALL 005A
 (APPLIES FROM STA 0+99.22 TO STA 6+93.31)

WALL SECTIONS
RETAINING WALL 005A ALONG RAMP B
 STA 0+00.00 TO STA 6+93.31

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	29
TOTAL	45
SHEET	P.366
TOTAL	463



TYPICAL CAST-IN-PLACE SECTION WALL 005B
 (APPLIES FROM STA 0+00.00 TO STA 0+47.53)



TYPICAL MSE SECTION WALL 005B
 (APPLIES FROM STA 0+47.53 TO STA 5+62.43)

WALL SECTIONS
RETAINING WALL NO. 005B ALONG RAMP B & G
STA 0+00.00 TO STA 5+62.43

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	30
TOTAL	45
SHEET	P.367
TOTAL	463

PENTABLE: 114161_BW.tbl

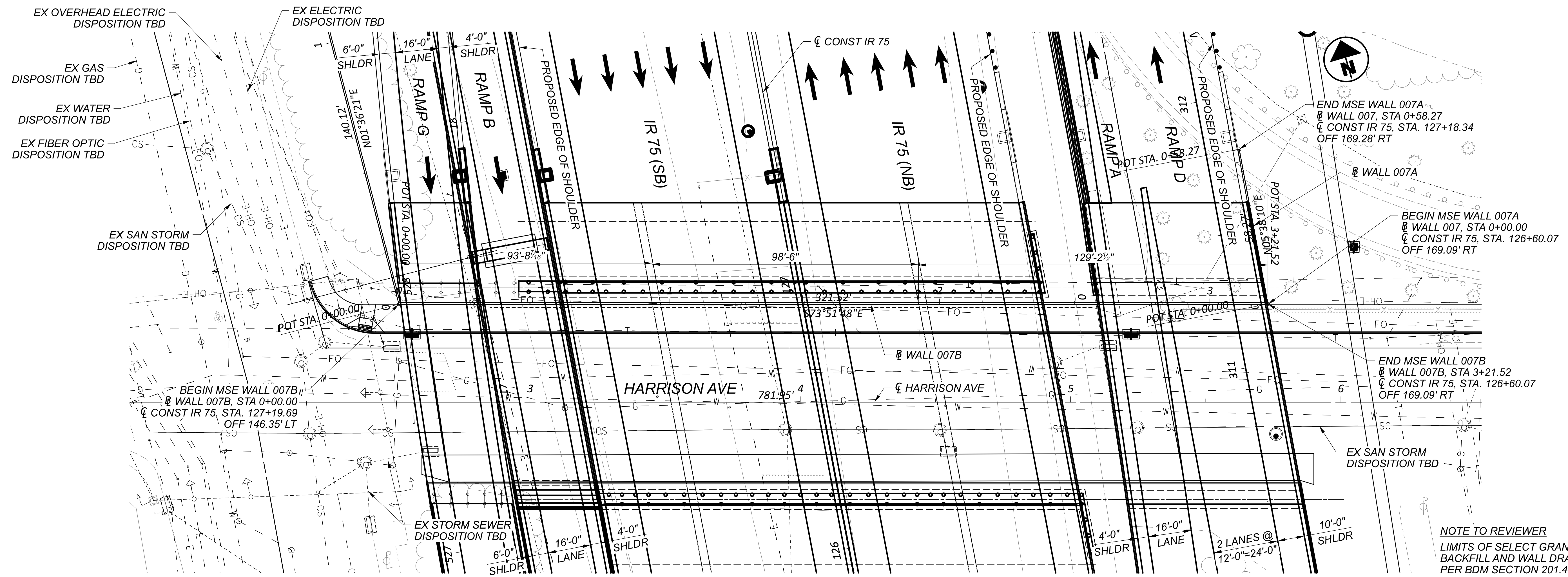
PLOT DRIVER: OHDOT_PDF.plt

SUBMITTAL: SUB_STG

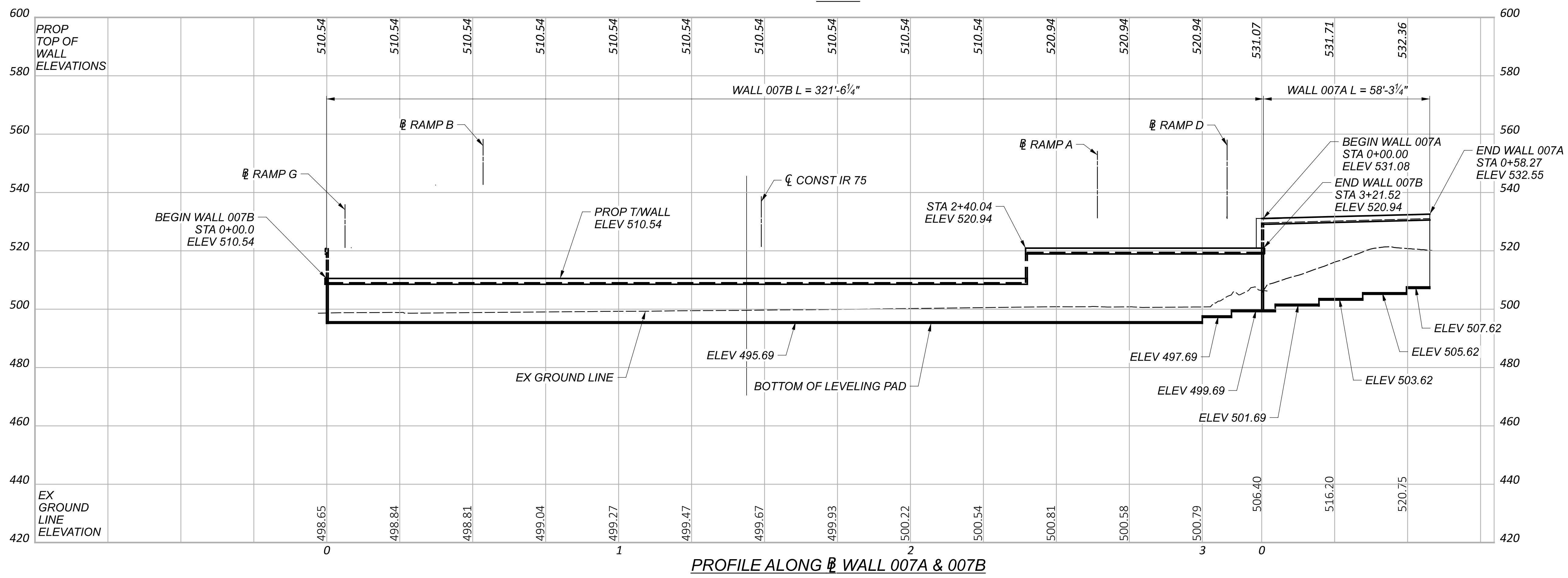
PENTABLE SUBSET: 1

HAM-75-1.95

MODEL: Wall 7B - Wall 7B [Sheet] PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:24:37 PM USER: story
pw:\ohdot\pw-bentley.com\ohdot\pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_GannettFleming\Structures\Wall_007\Sheets\114161_WALL007_WP001.dgn

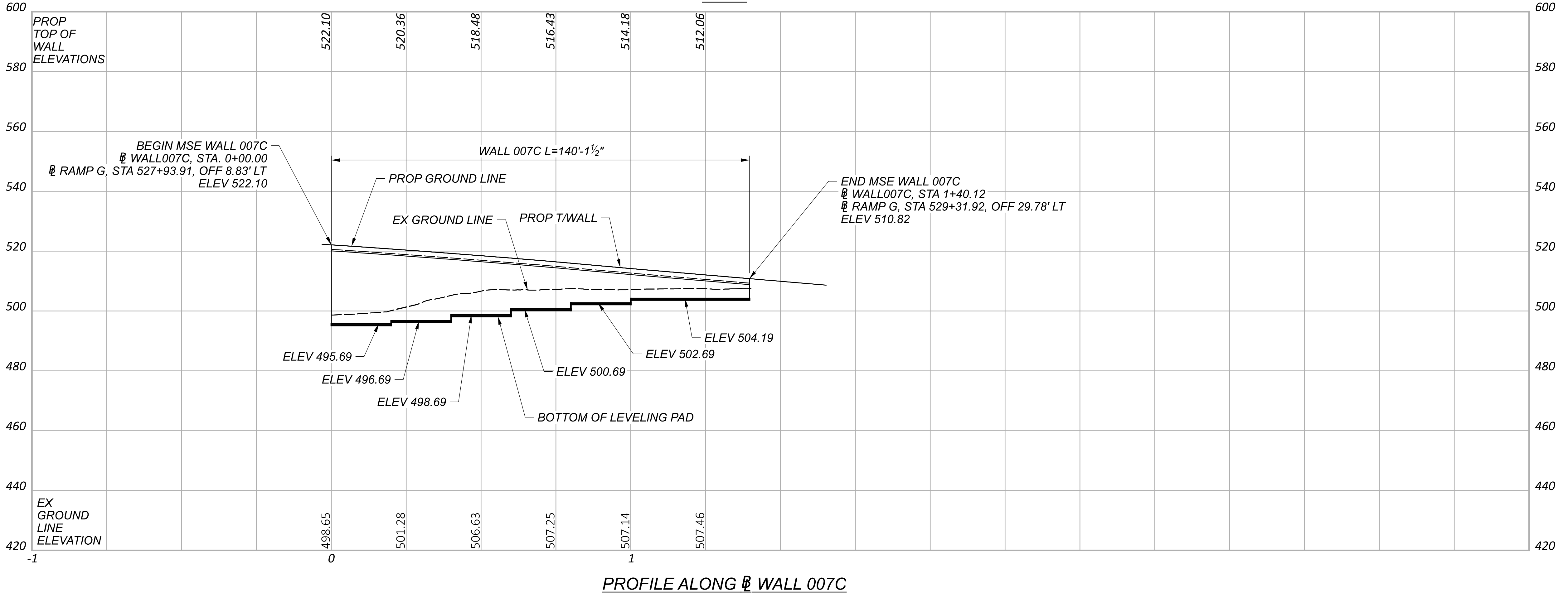
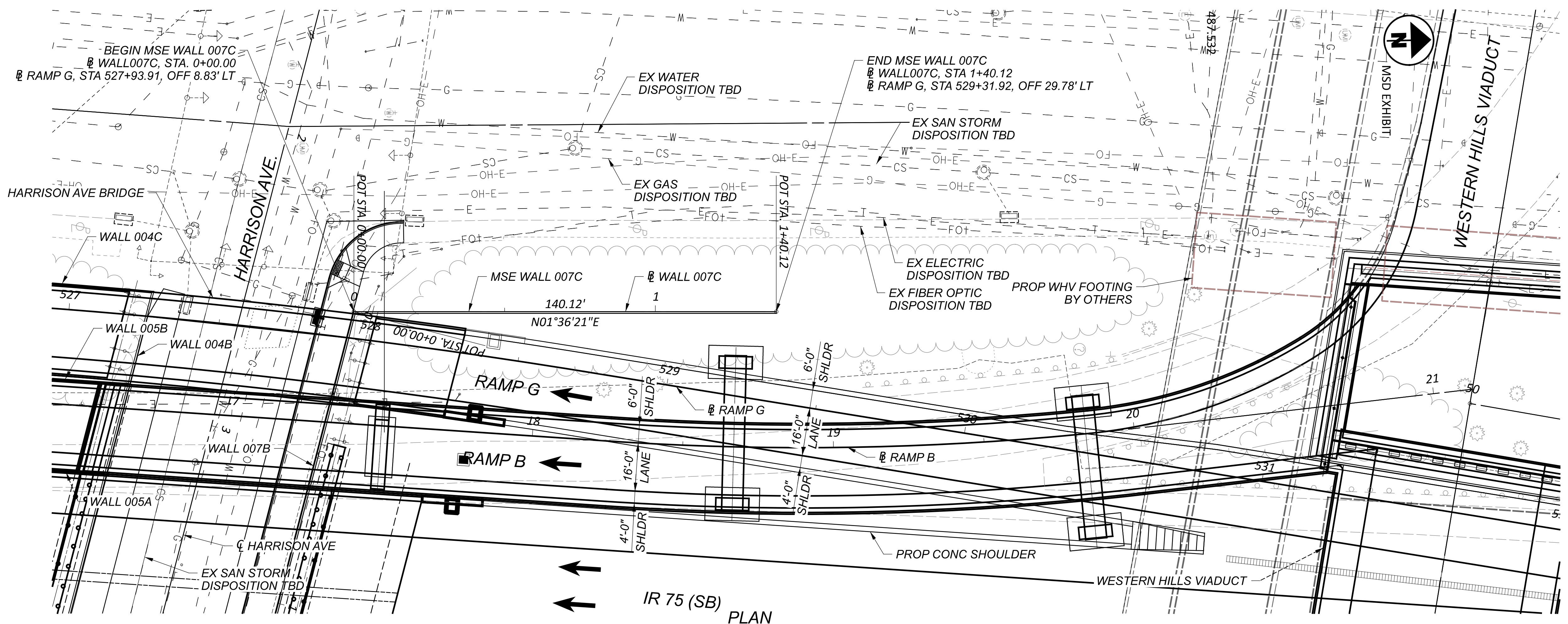


NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.



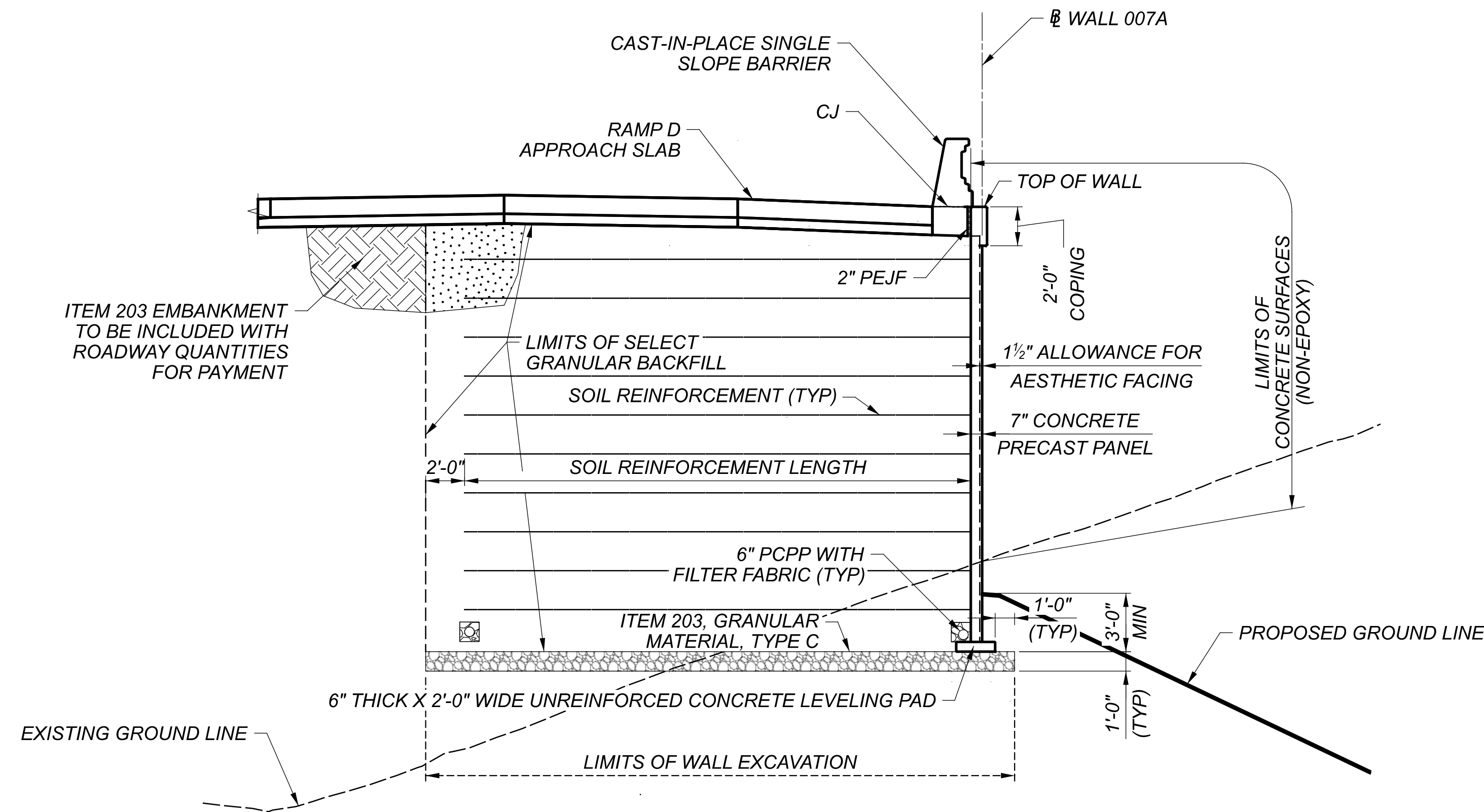
PLAN AND ELEVATION
RETAINING WALL NO. 007A ALONG HARRISON AVE AND 007B ALONG RAMP D
STA 0+00.00 TO STA 3+21.52 & STA 0+00.00 TO STA 0+58.27

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	31
TOTAL	45
SHEET	P.368
TOTAL	463

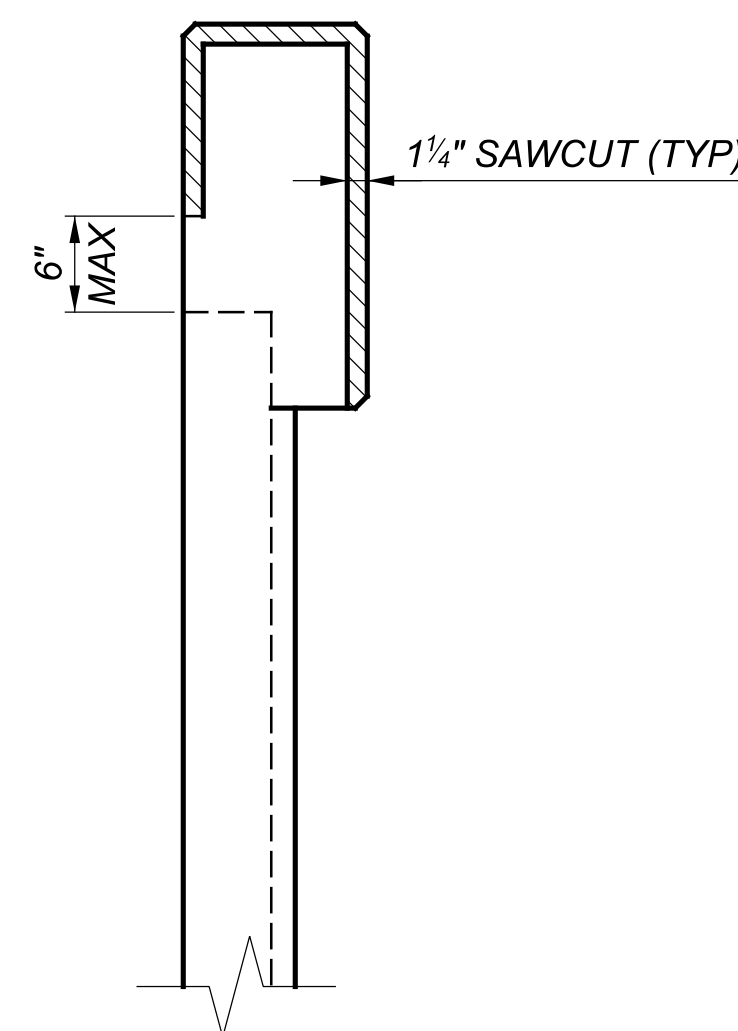


PLAN AND PROFILE
 RETAINING WALL NO. 007C ALONG RAMP G
 STA 0+00.00 TO STA 1+40.12

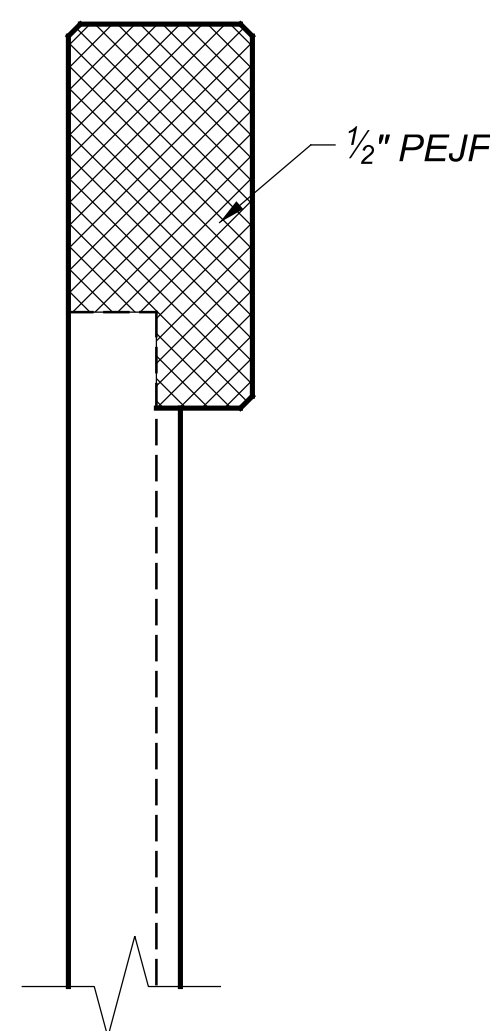
SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	32
TOTAL	45
SHEET	P.369
TOTAL	463



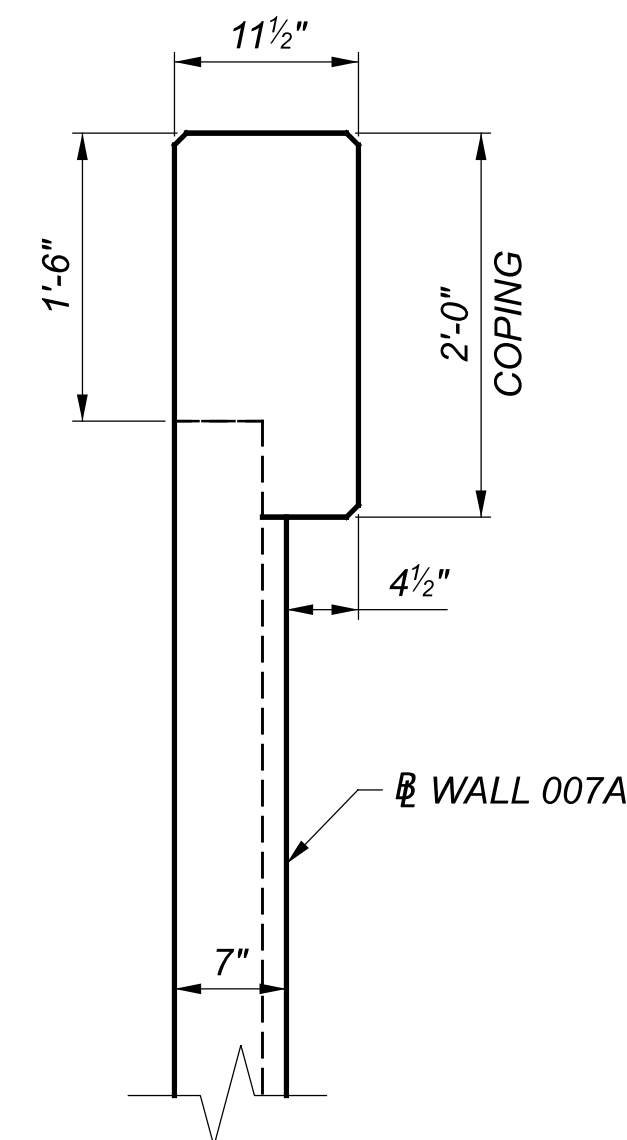
TYPICAL MSE SECTION OF WALL 007A
(APPLIES STA 0+00.00 TO STA 0+58.27)



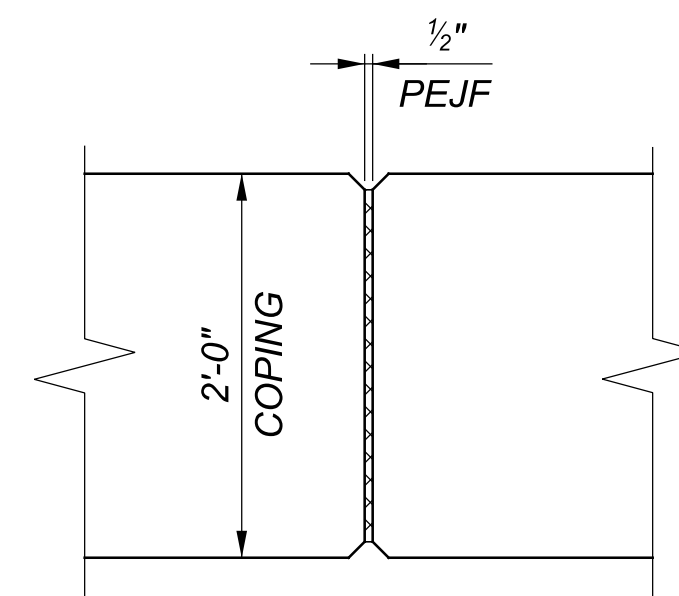
COPING CONTRACTION JOINTS



COPING EXPANSION JOINTS



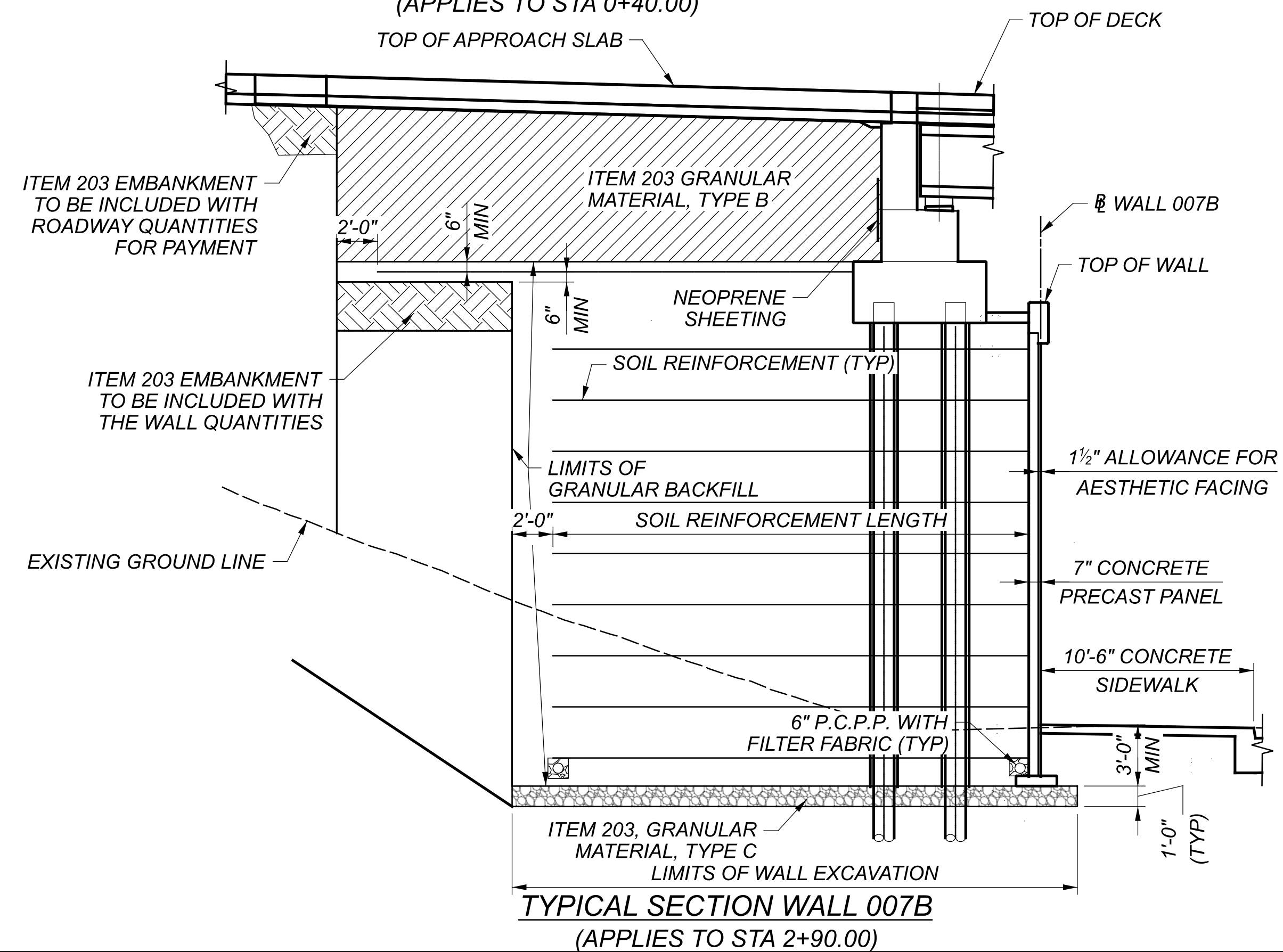
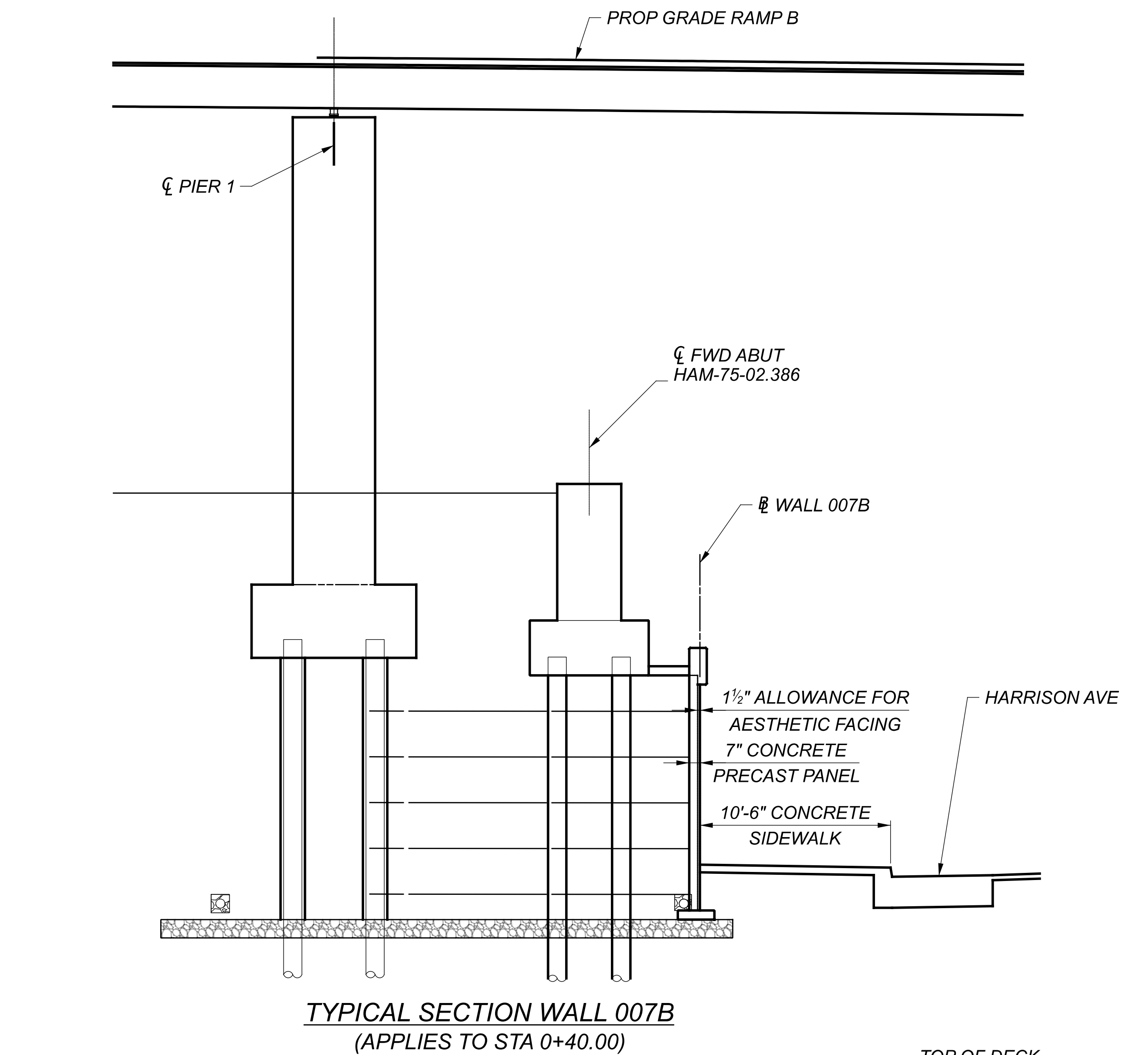
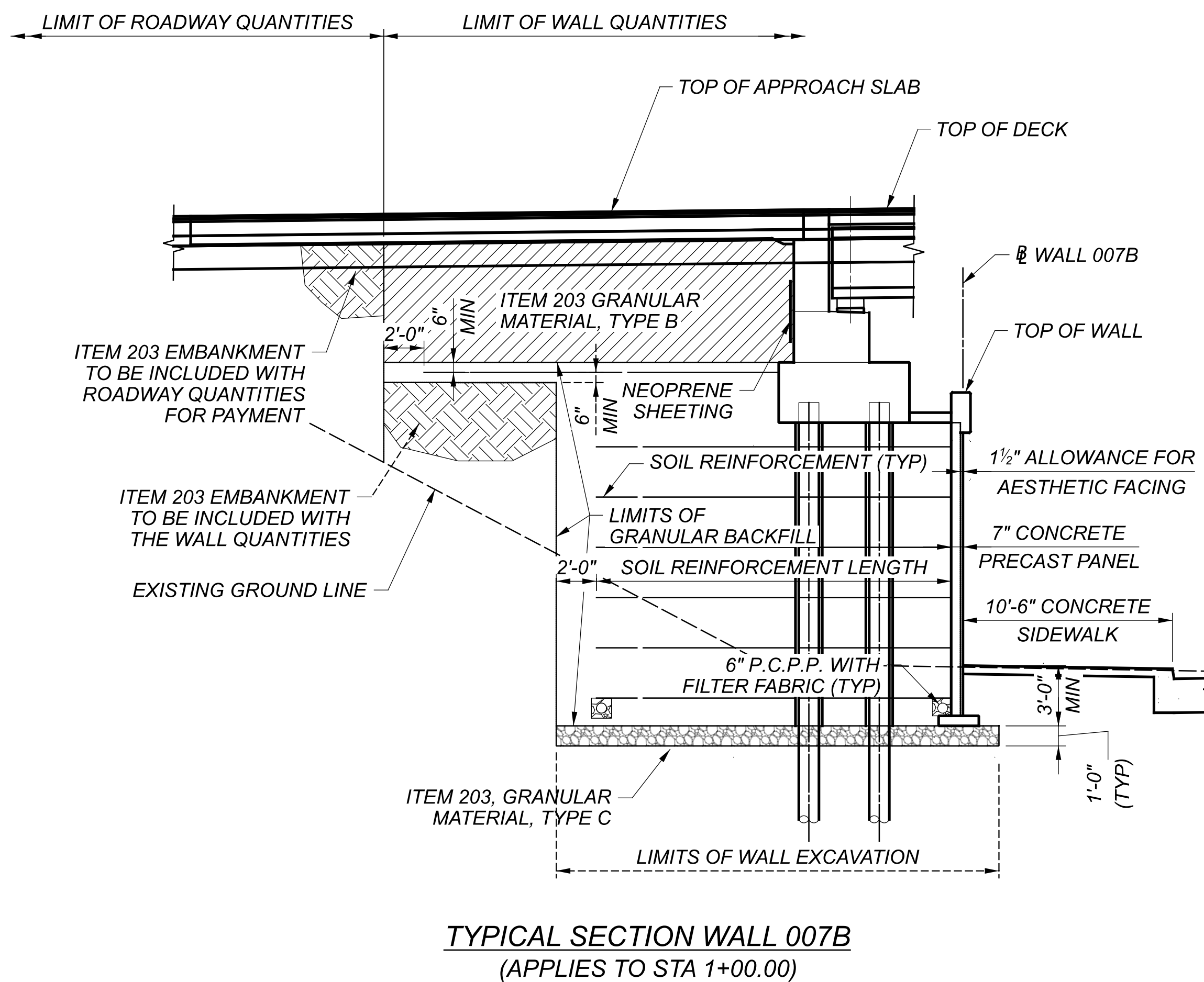
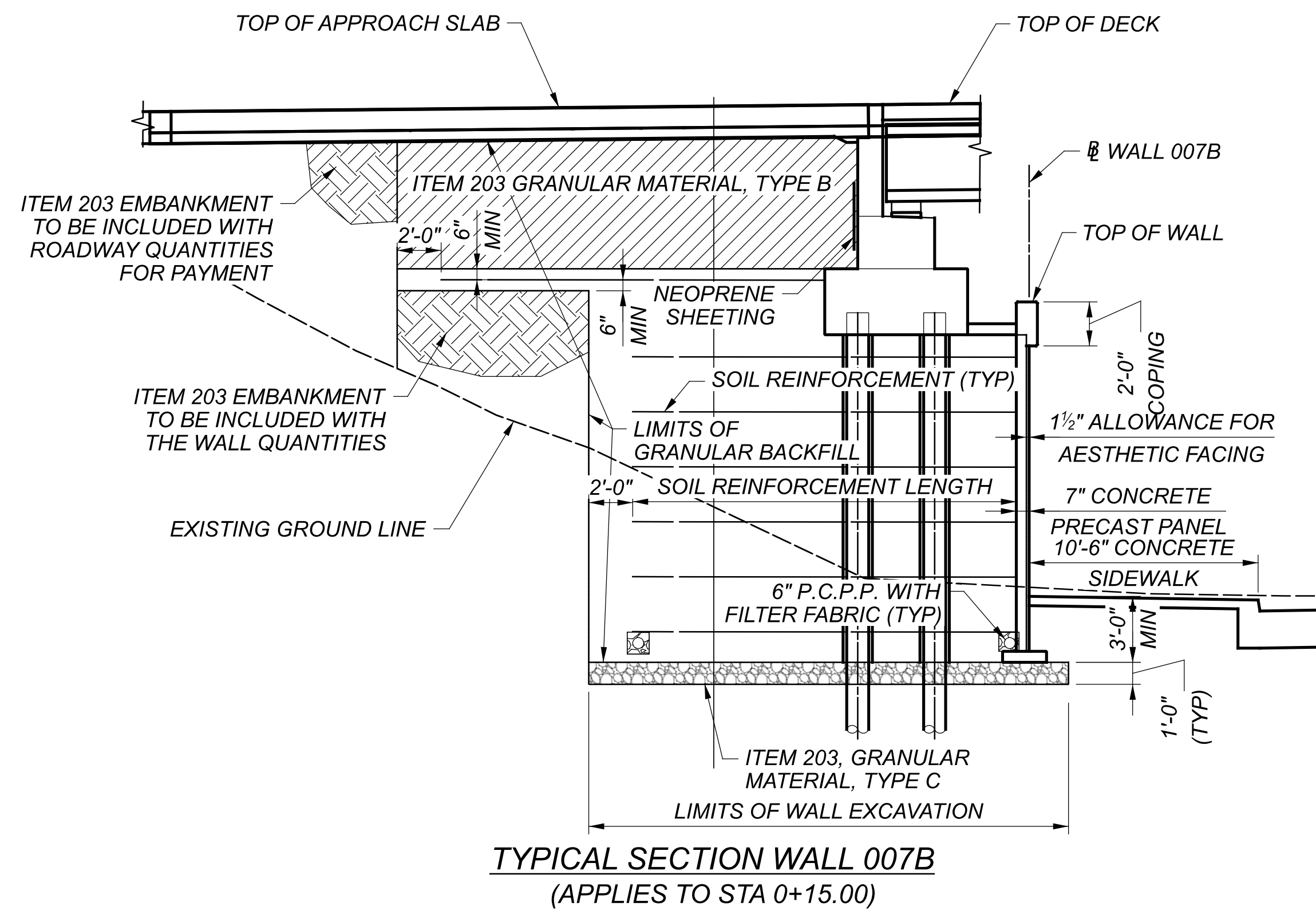
MSE WALL COPING



COPING EXPANSION JOINT

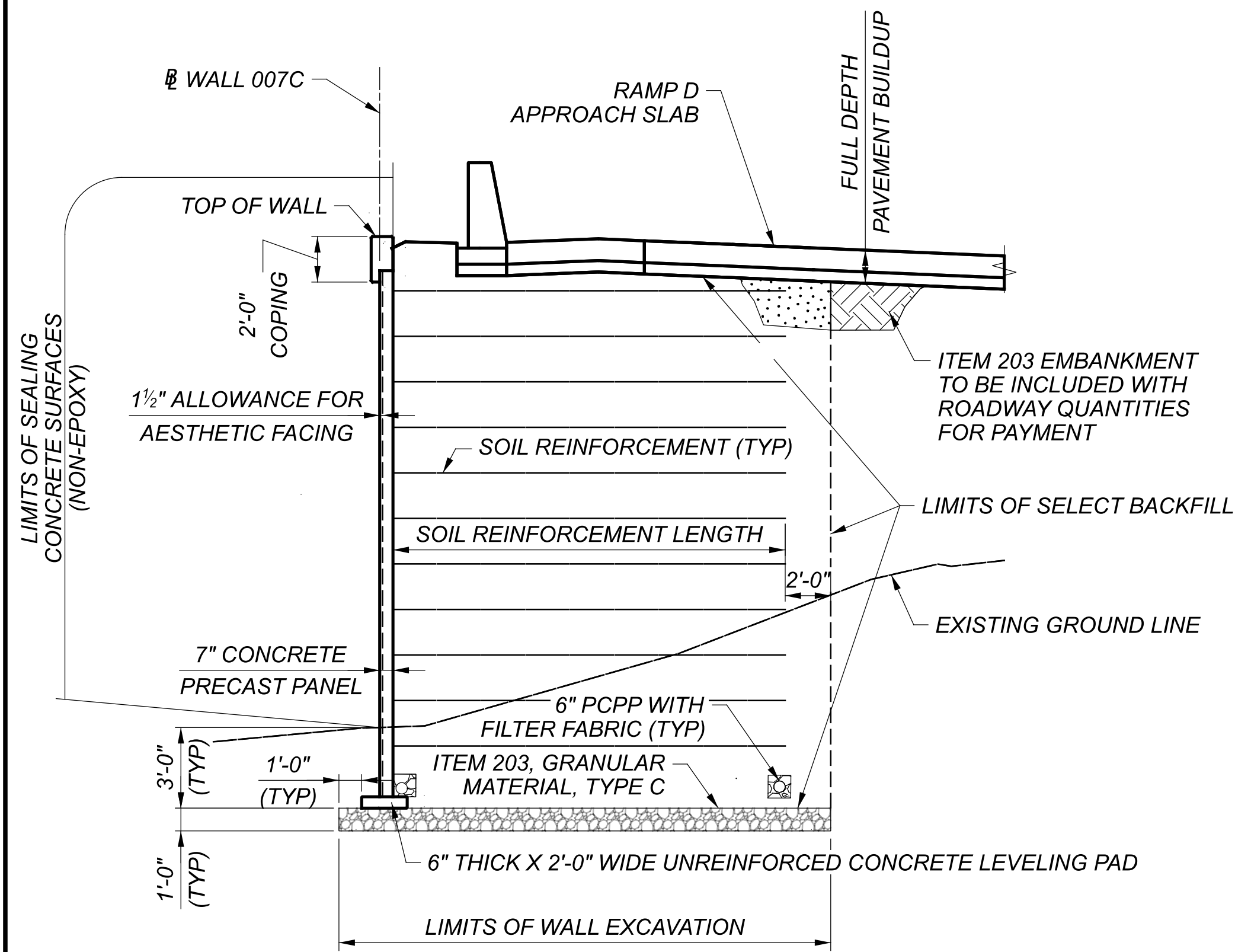
WALL SECTIONS
RETAINING WALL NO. 007A ALONG RAMP D
STA 0+00.00 TO STA 0+58.27

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	TOTAL
33	45
SHEET	TOTAL
P.370	463

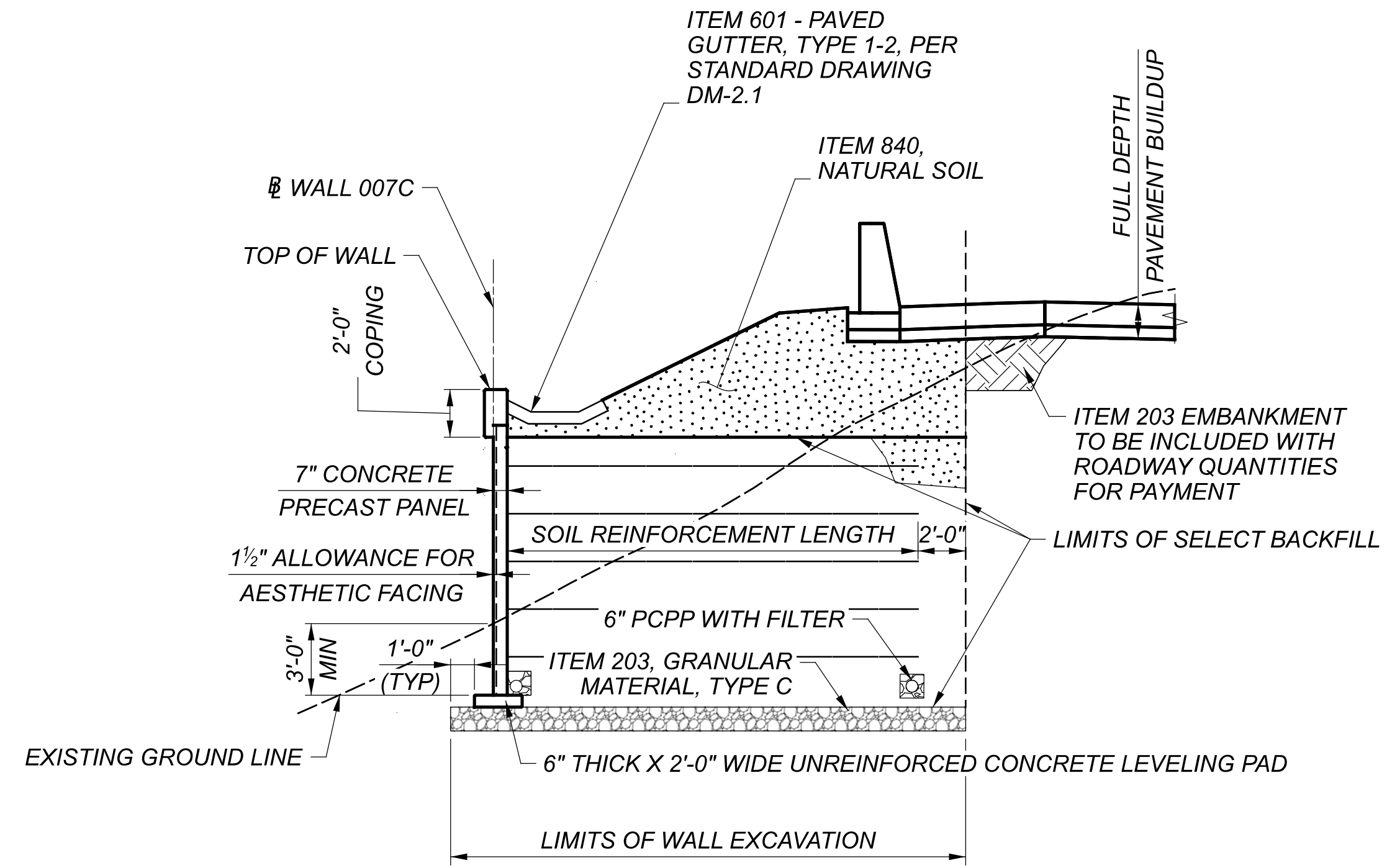


WALL SECTIONS
RETAINING WALL NO. 007B ALONG HARRISON AVENUE
STA 0+00.00 TO STA 3+21.52

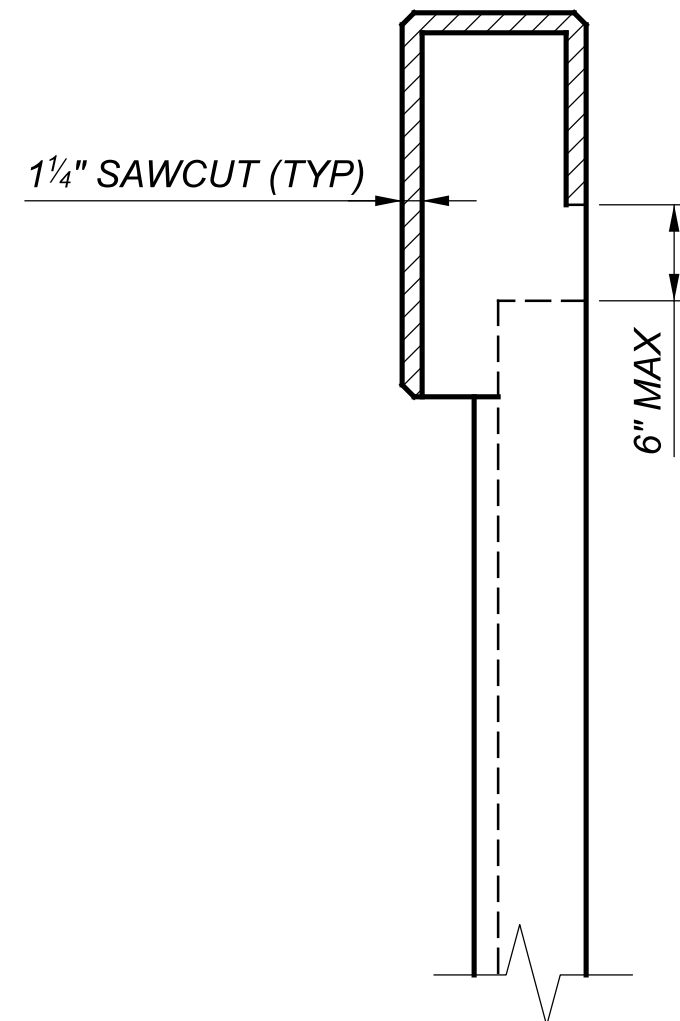
SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	34
TOTAL	45
SHEET	P.371
TOTAL	463



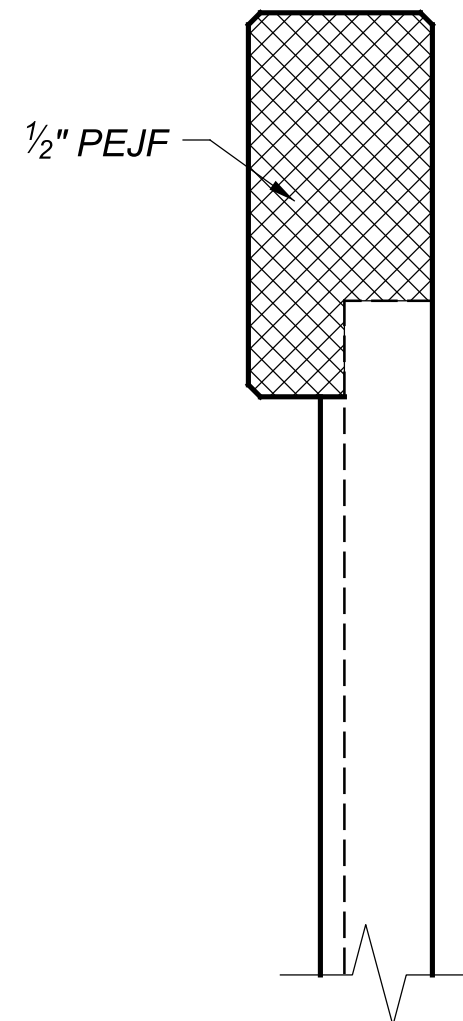
TYPICAL MSE SECTION OF WALL 007C
(APPLIES STA 0+07.80 TO STA 0+37.80)



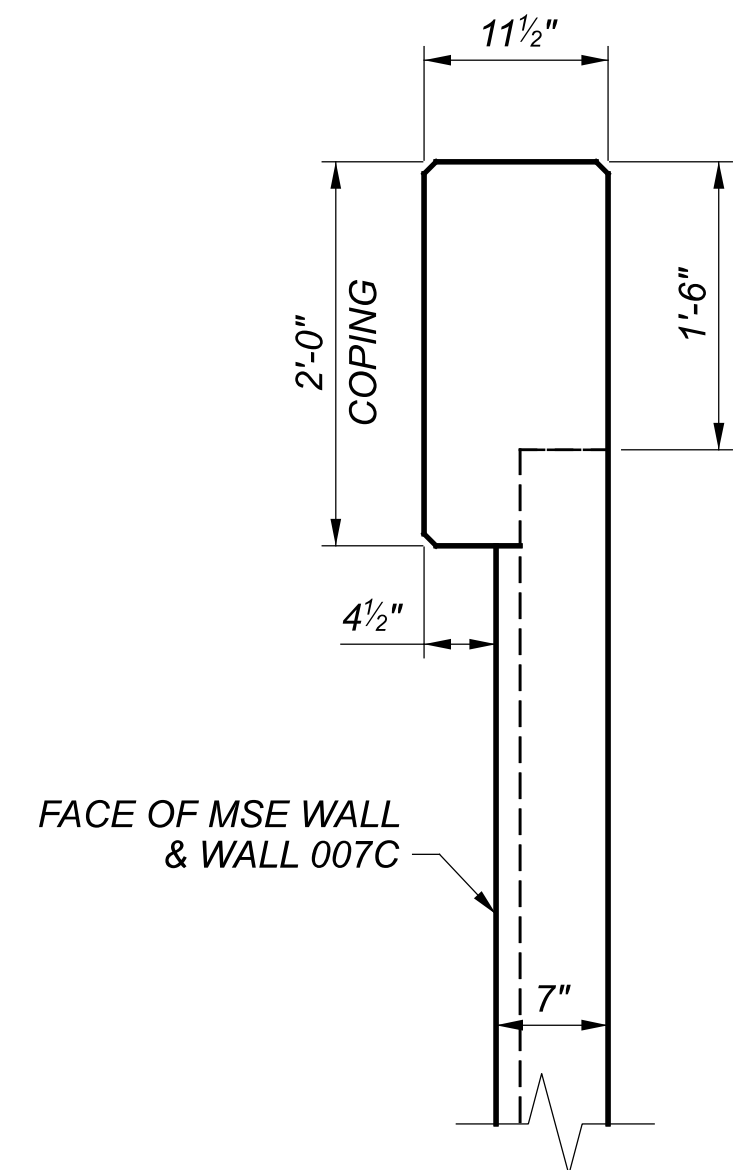
TYPICAL MSE SECTION OF WALL 007C
(APPLIES STA 0+37.80 TO STA 1+40.12)



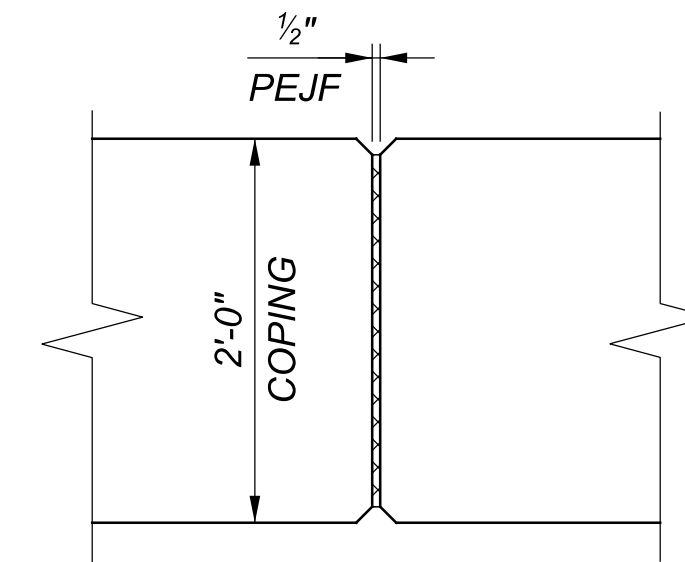
COPING CONTRACTION JOINTS



COPING EXPANSION JOINTS



MSE WALL COPING



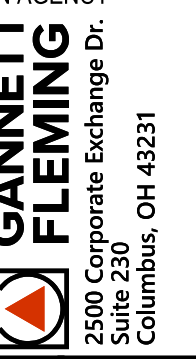
COPING EXPANSION JOINT
(MAX JOINT SPACING IS 20'-0")

WALL SECTIONS
RETAINING WALL NO. 007C ALONG RAMP G
STA 0+00.00 TO STA 1+40.12

SFN

N/A

DESIGN AGENCY



DESIGNER CHECKER

MTO SAT

REVIEWER

EFD 06/21/24

PROJECT ID

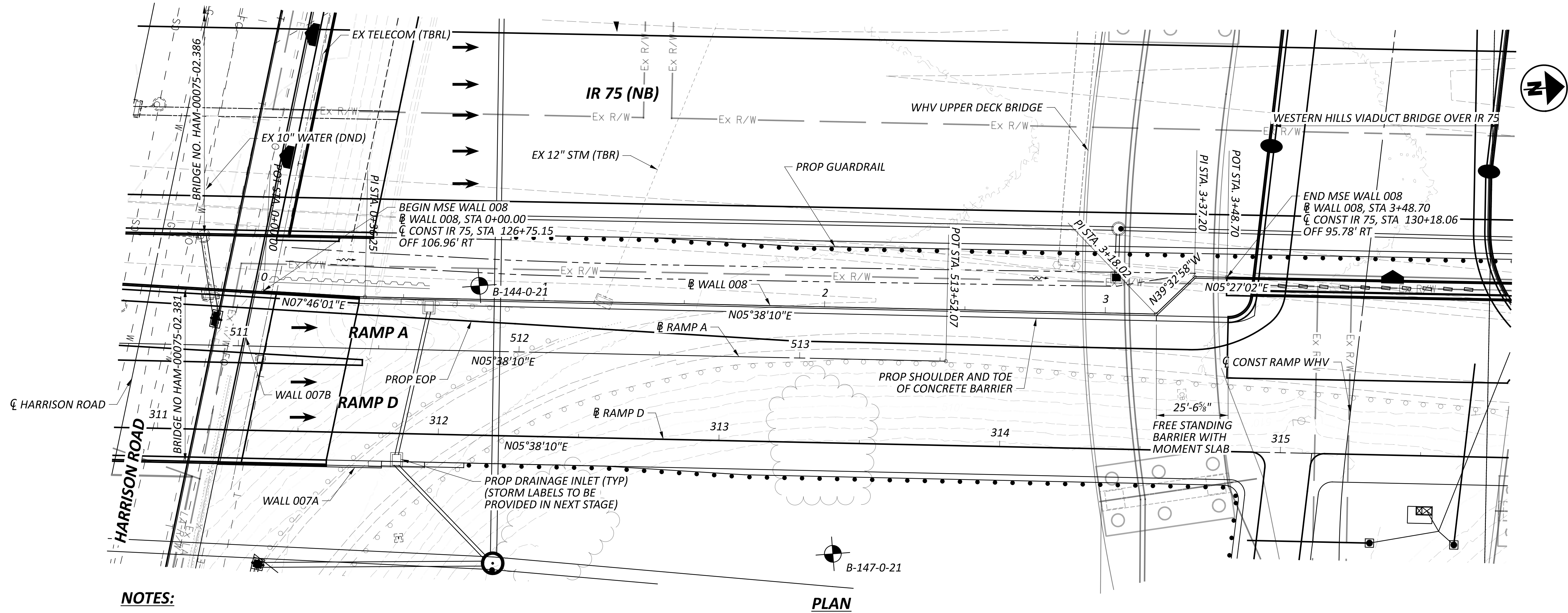
114161

SUBSET TOTAL

35 45

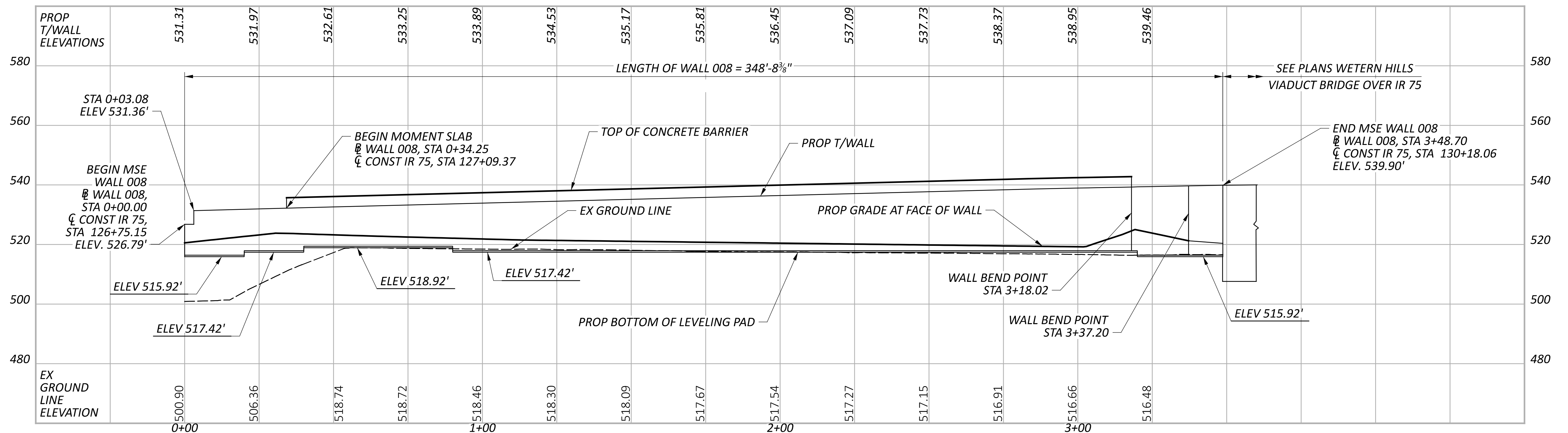
SHEET TOTAL

P.372 463



NOTES:

1. ALL DIMENSIONS ARE MEASURED ALONG BASELINE OF WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL PROVIDED AT STAGE 2.

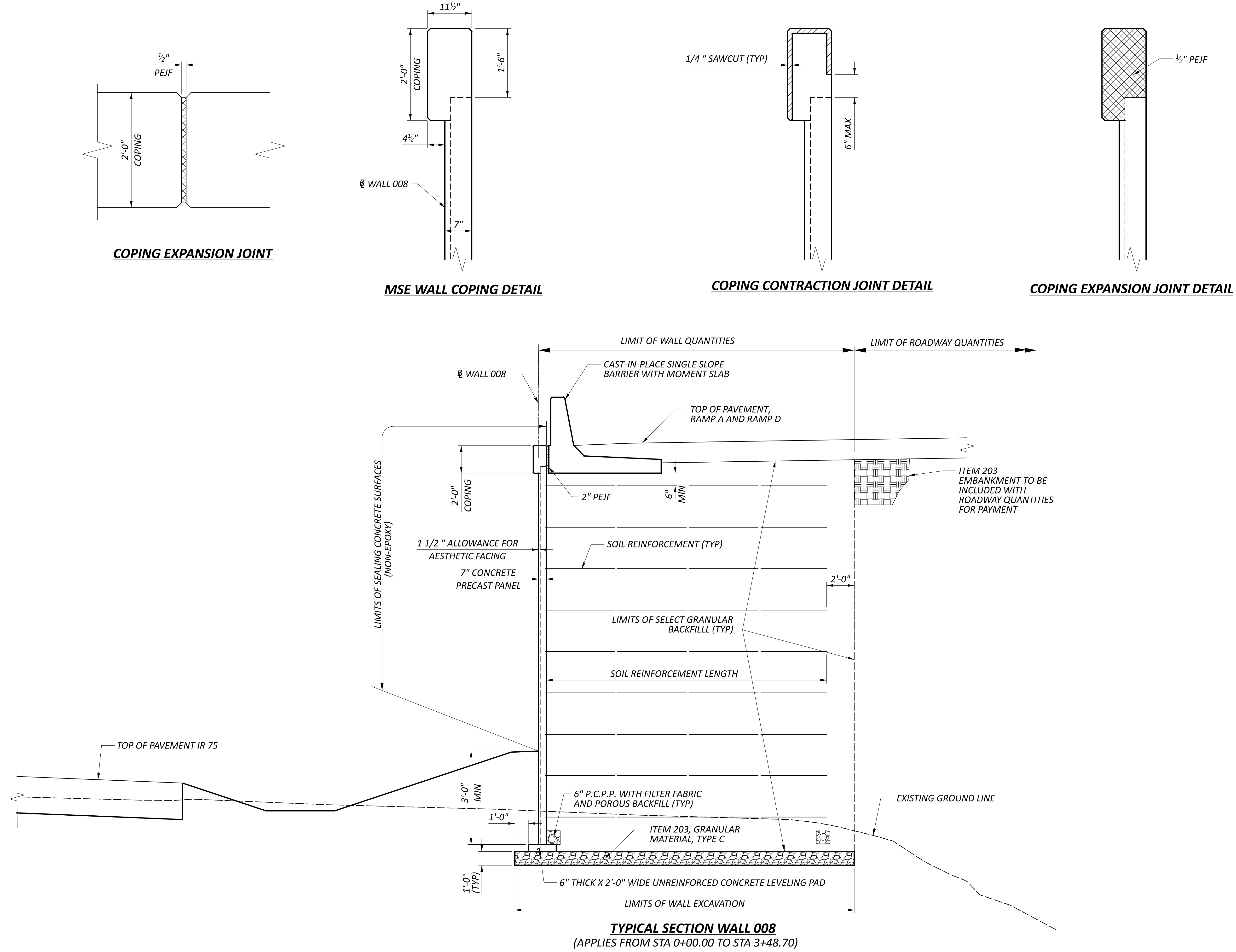


PROFILE ALONG \varnothing WALL 008
 (WHV UPPER DECK BRIDGE NOT SHOWN FOR CLARITY)

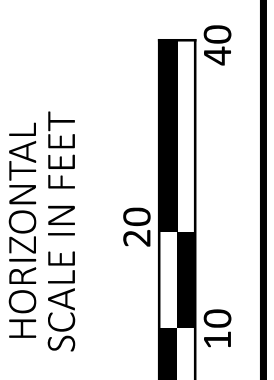


PLAN AND PROFILE
RETAINING WALL 008 ALONG RAMP A AND RAMP D
STA 0+00.00 TO STA 3+48.70

DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
36	45
SHEET	TOTAL
P.373	463



WALL SECTIONS
RETAINING WALL NO 008
ALONG RAMP A AND RAMP D



SFN	
N/A	
DESIGN AGENCY	
EMHT	
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
37	45
SHEET	TOTAL
P.374	463

PENTABLE: 114161_BW.tbl

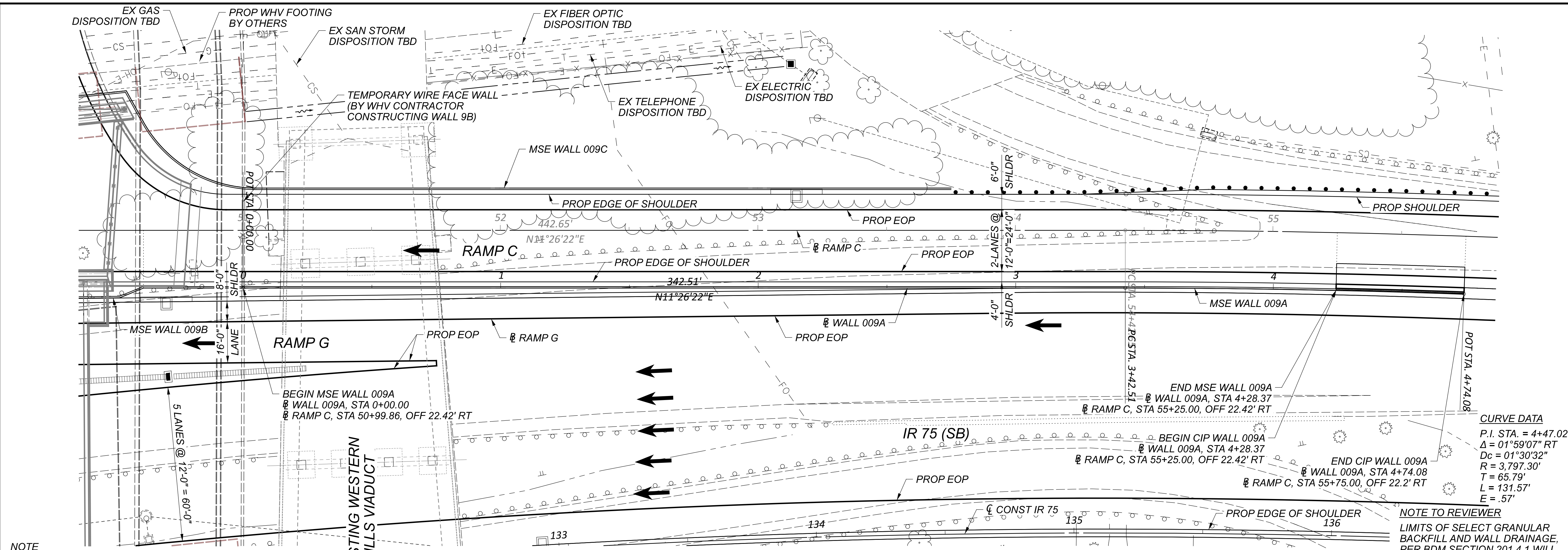
PLOT DRIVER: OHDOT_PDF.plt

SUBMITTAL: SUB_STG

PENTABLE SUBSET: 1

HAM-75-1.95

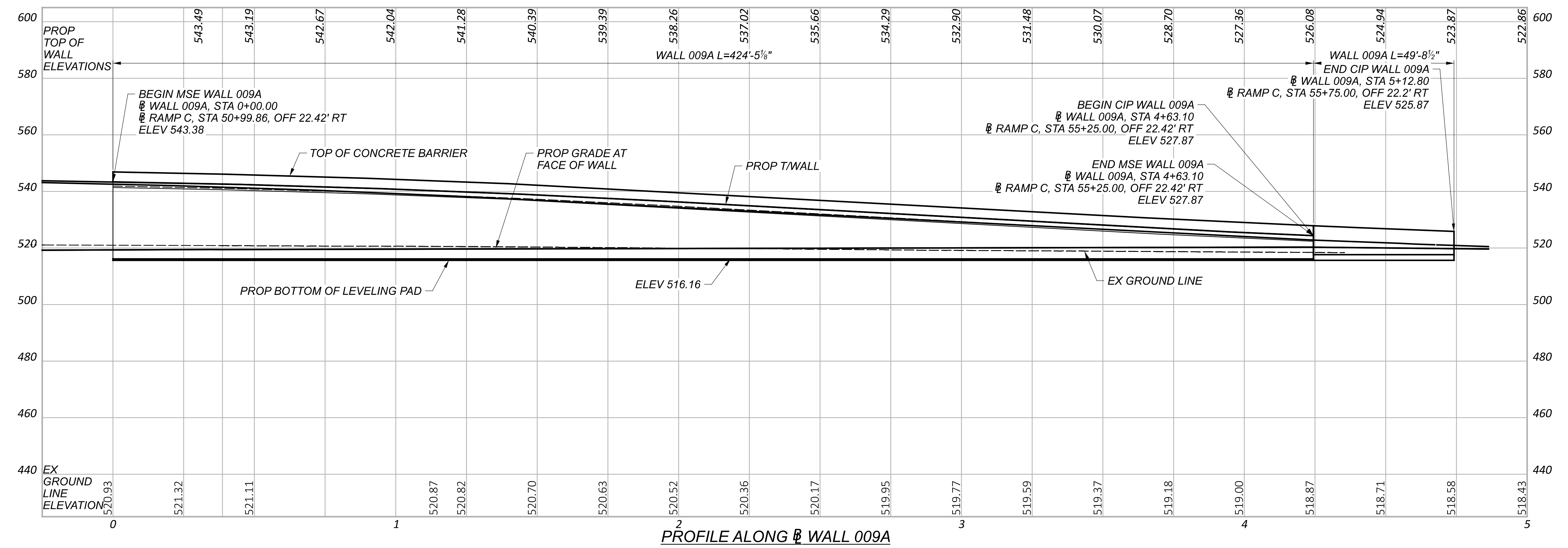
MODEL: Wall 9A - Plan and Profile 1 of 2 Sheet PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:33:08 PM USER: stony
pw:\ohdot\pw-bentley.com\ohdot\pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_GannettFleming\Structures\Wall_009\Sheets\114161_WALL009_WP001.dgn



NOTE
CIP WALLS WILL BE SHOWN SEPARATELY FROM THE MSE WALLS FOR STAGE 2 SUBMISSION.

NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.

PLAN



PROFILE ALONG WALL 009A

PLAN AND PROFILE
RETAINING WALL NO. 009A ALONG RAMP C & G
STA 0+00.00 TO STA 5+12.80

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER/CHECKER	MTO SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	38 TOTAL 45
SHEET	P.375 TOTAL 463

PENTABLE: 114161_BW.tbl

PLOT DRIVER: OHDOT_PDF.plt

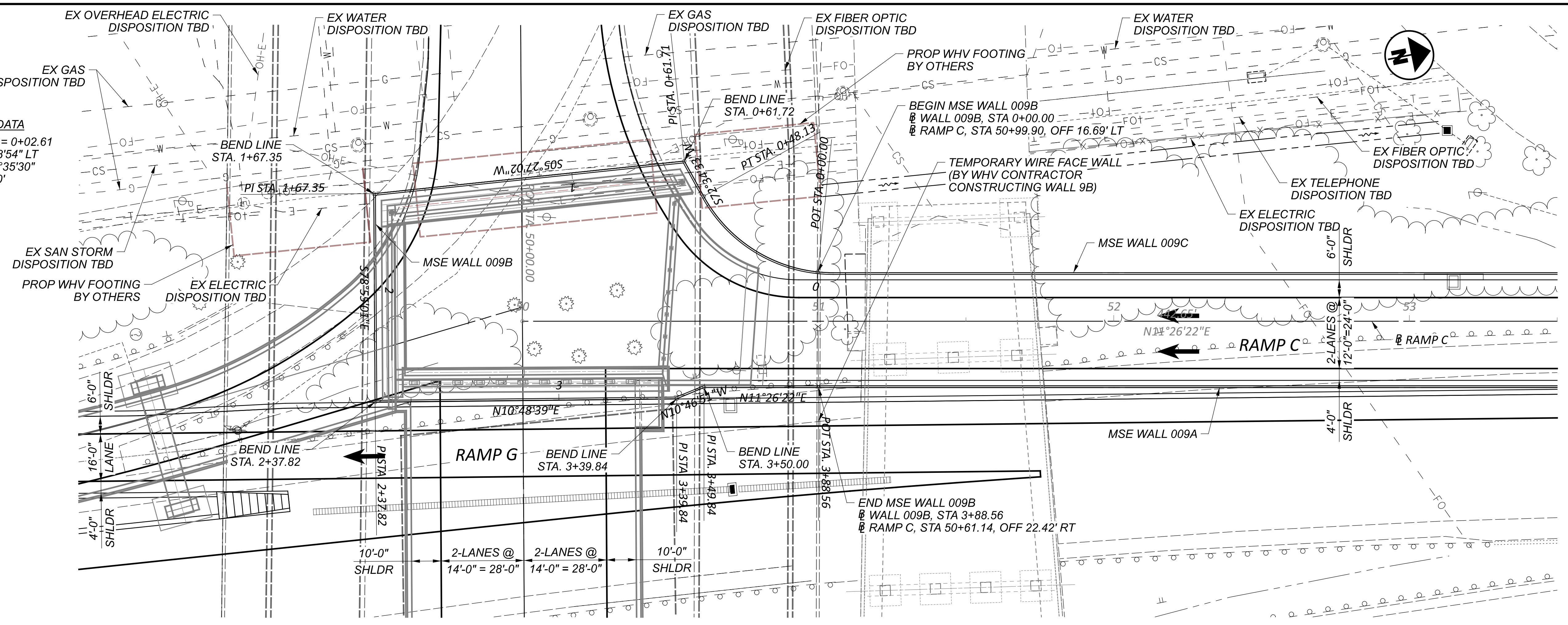
SUBMITTAL: SUB_STG

PENTABLE SUBSET: 1

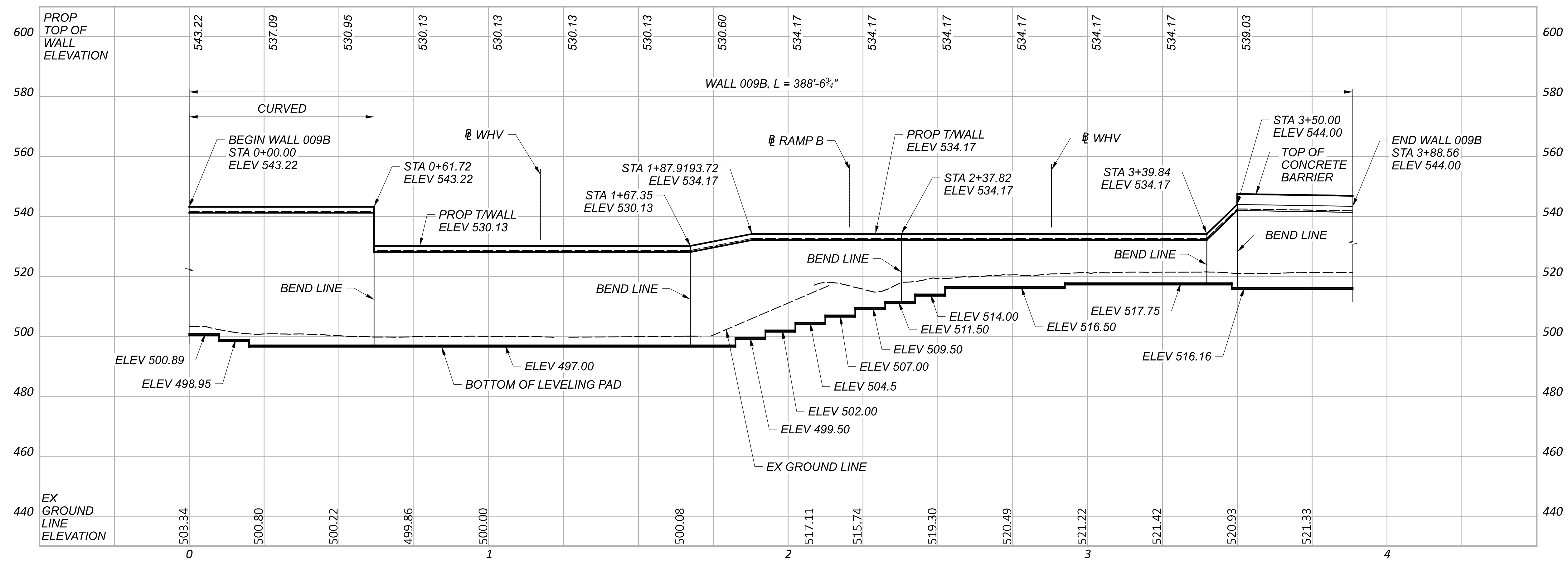
HAM-75-1.95

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:33:47 PM USER: stony
pw:\ohdot\pw-bentley.com\ohdot\pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_Gannett Fleming\Structures\Wall_009\Sheets\114161_WALL009_WP002.dgn

CURVE DATA
 P.I. STA. = 0+02.61
 $\Delta = 05^\circ 58' 54''$ LT
 $D_c = 114^\circ 35' 30''$
 $R = 50.00'$
 $T = 2.61'$
 $L = 5.22'$
 $E = .07'$



PLAN



PROFILE ALONG CL OF WALL 009B

WALL 9B PLAN AND PROFILE
 RETAINING WALL NO. 009B ALONG WHV AND RAMP B
 STA 0+00.00 TO STA 3+55.06

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	39
TOTAL	45
SHEET	P.376
TOTAL	463

PENTABLE: 114161_BW.tbl

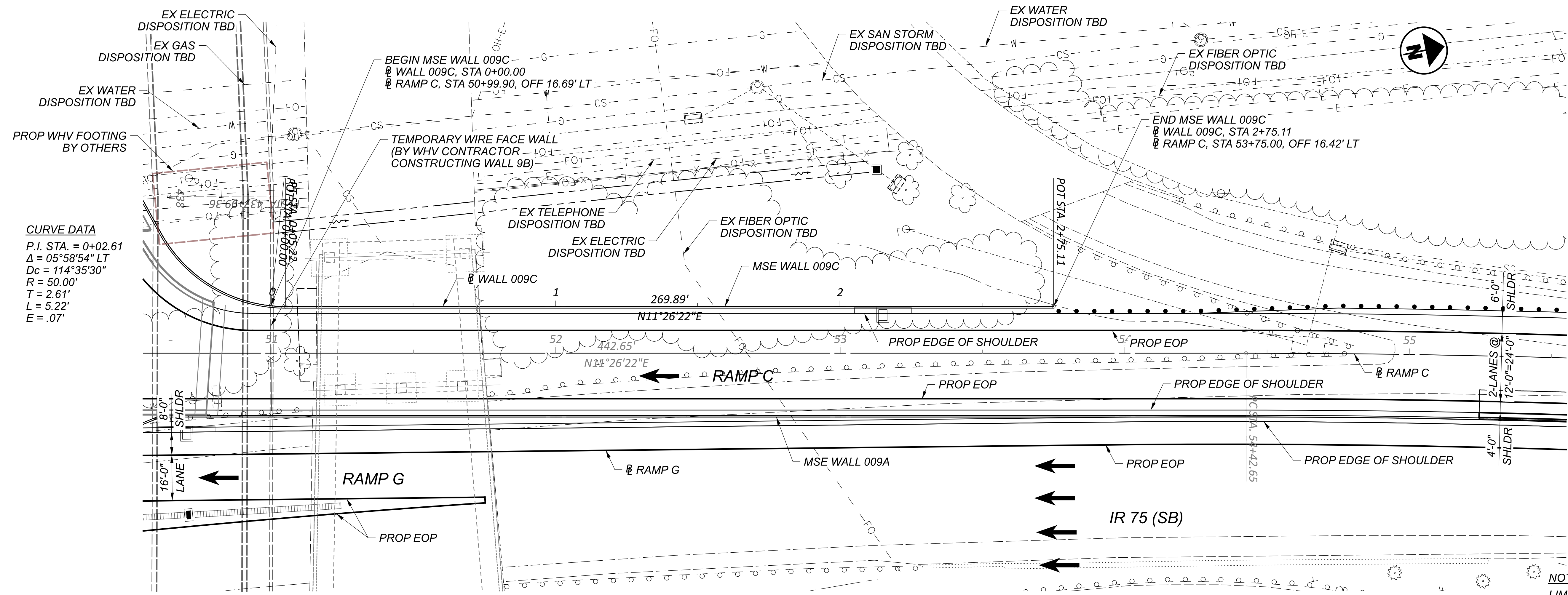
PLOT DRIVER: OHDOT_PDF.plt

SUBMITTAL: SUB_STG

PENTABLE SUBSET: 1

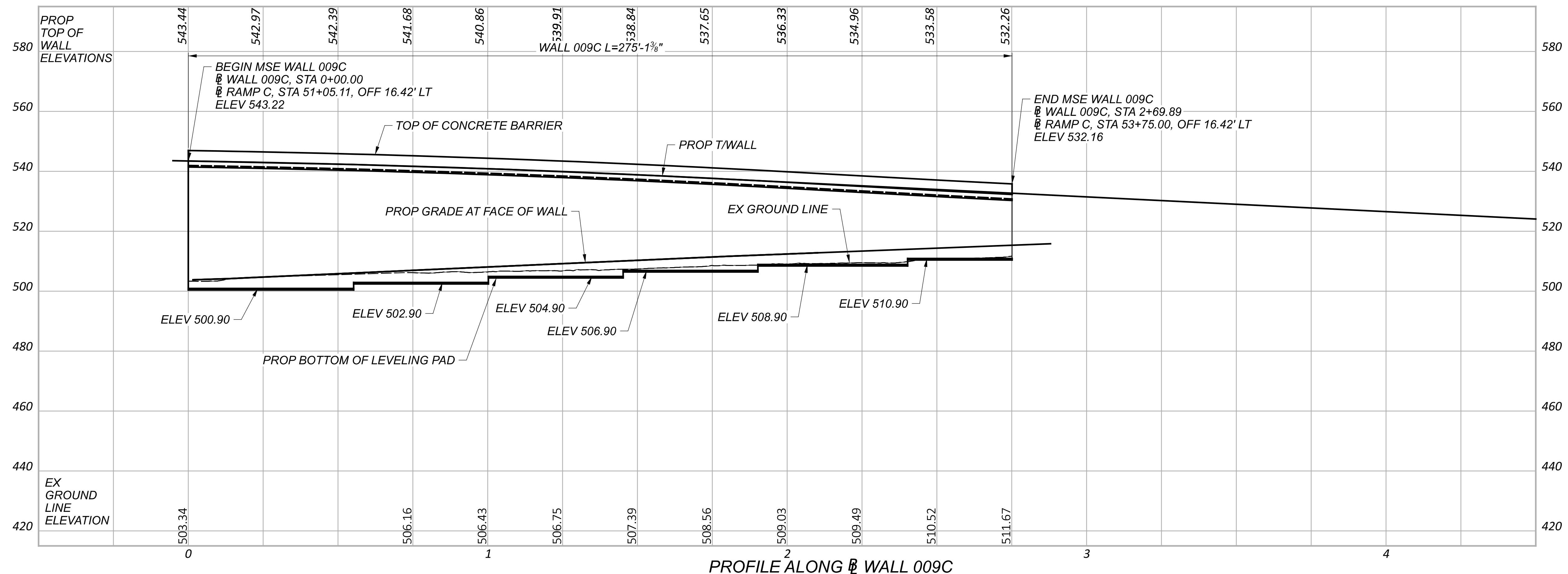
HAM-75-1.95

MODEL: sheet PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:34:25 PM USER: slony
pw:\ohdot\pw-bentley.com\ohdot\pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\402-Engineering_GannettFleming\Structures\Wall_009\Sheets\114161_WALL009_WP003.dgn



PLAN

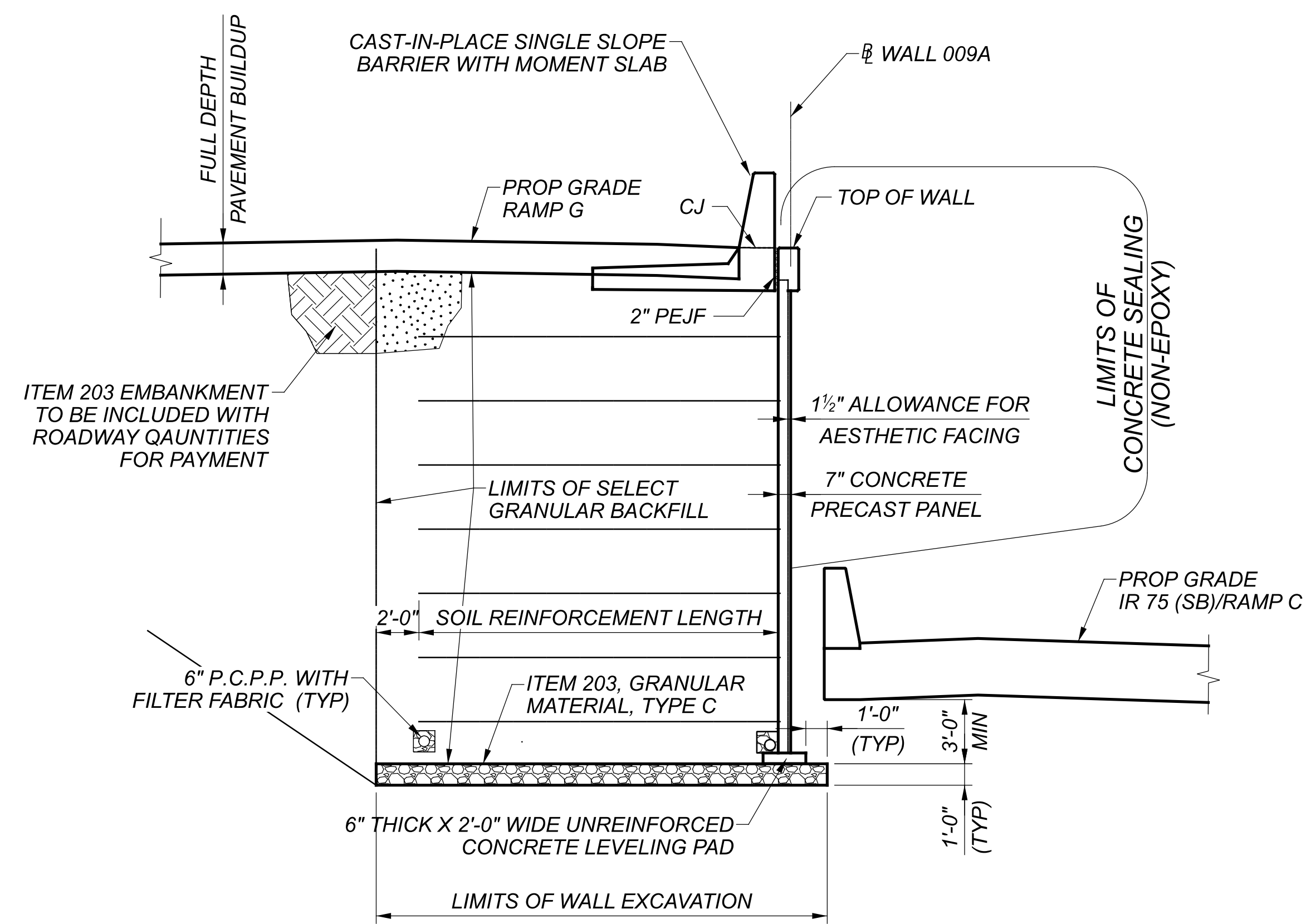
NOTE TO REVIEWER
LIMITS OF SELECT GRANULAR BACKFILL AND WALL DRAINAGE, PER BDM SECTION 201.4.1 WILL BE SHOWN AT STAGE 2.



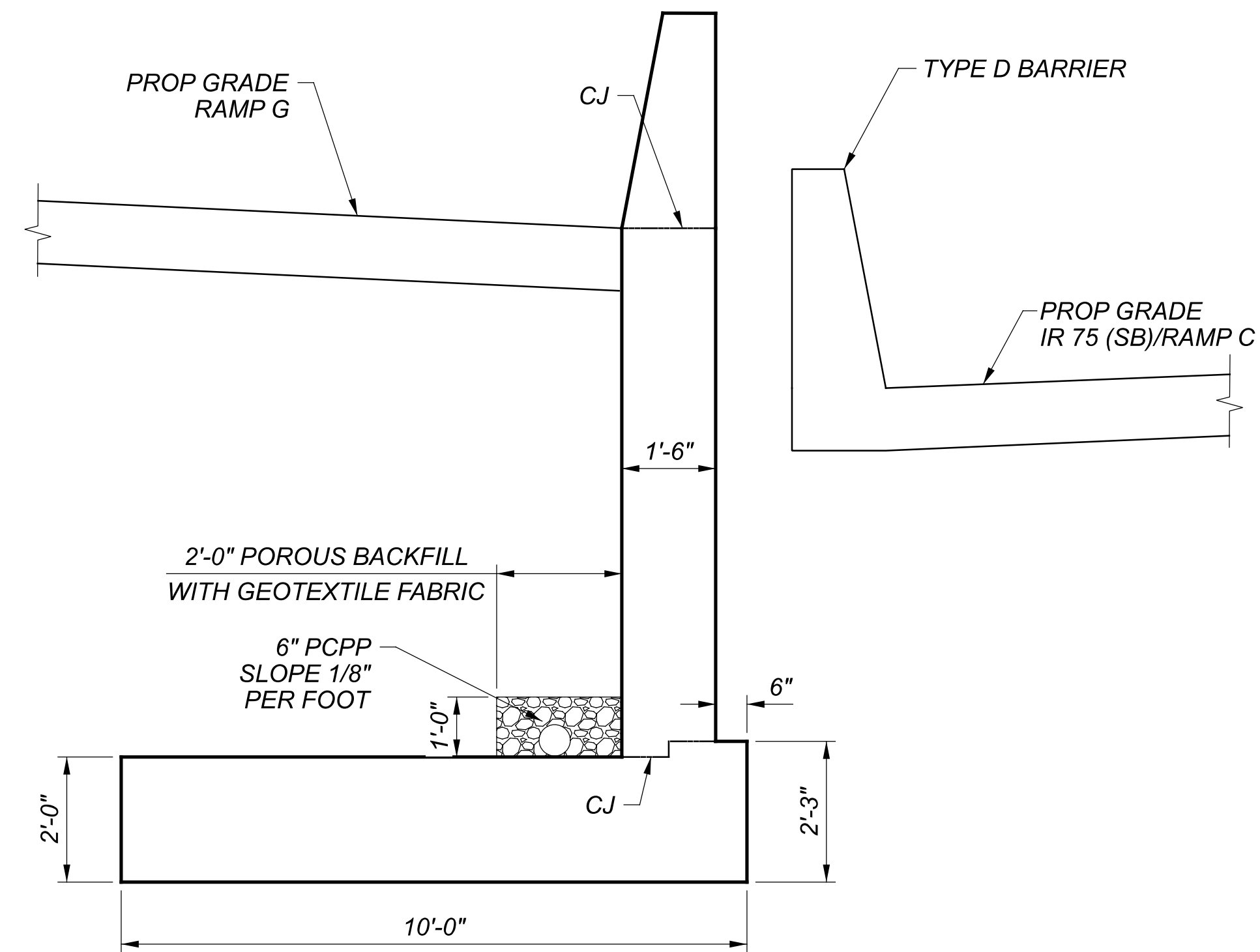
PROFILE ALONG WALL 009C

PLAN AND PROFILE
RETAINING WALL NO. 009C ALONG RAMP C
STA 0+00.00 TO STA 2+69.89

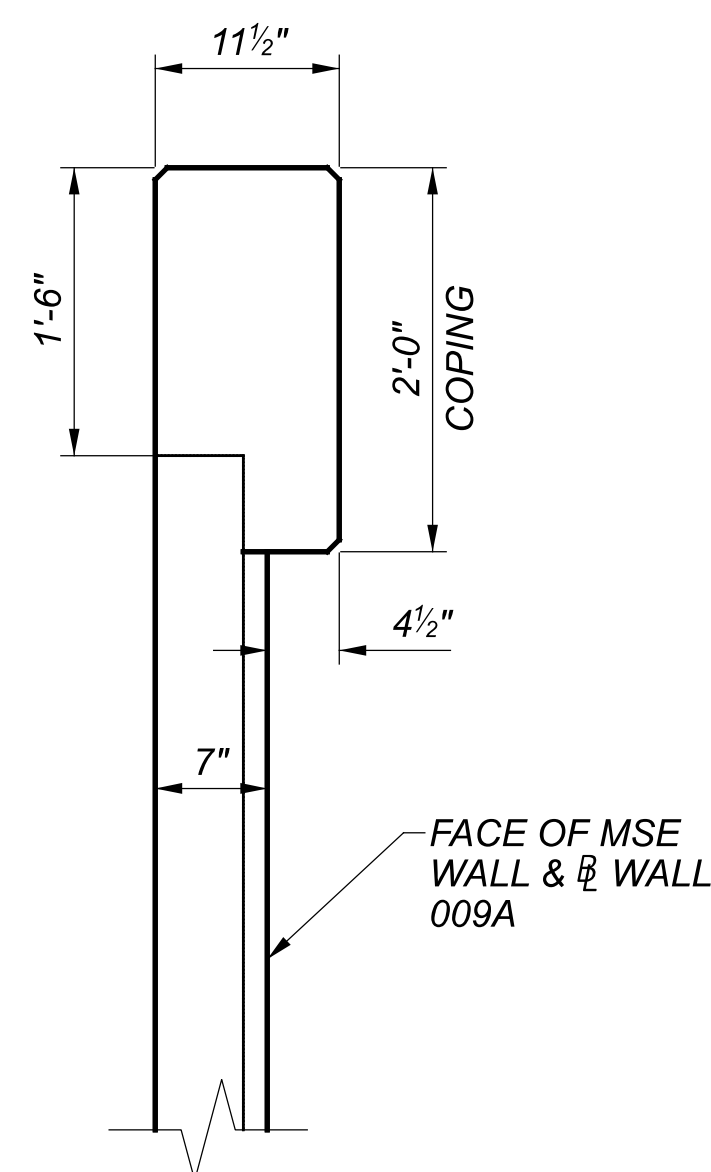
SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	40
TOTAL	45
SHEET	P.377
TOTAL	463



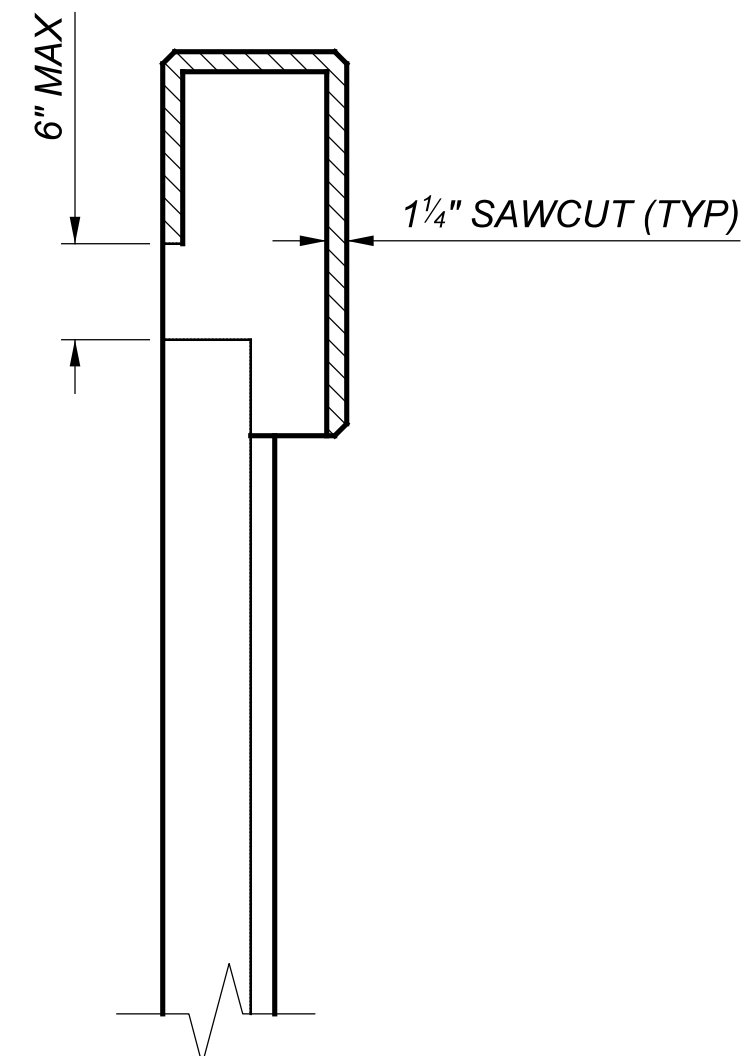
TYPICAL MSE SECTION OF WALL 009A
(APPLIES TO STA 0+00.00 TO STA 4+63.10)



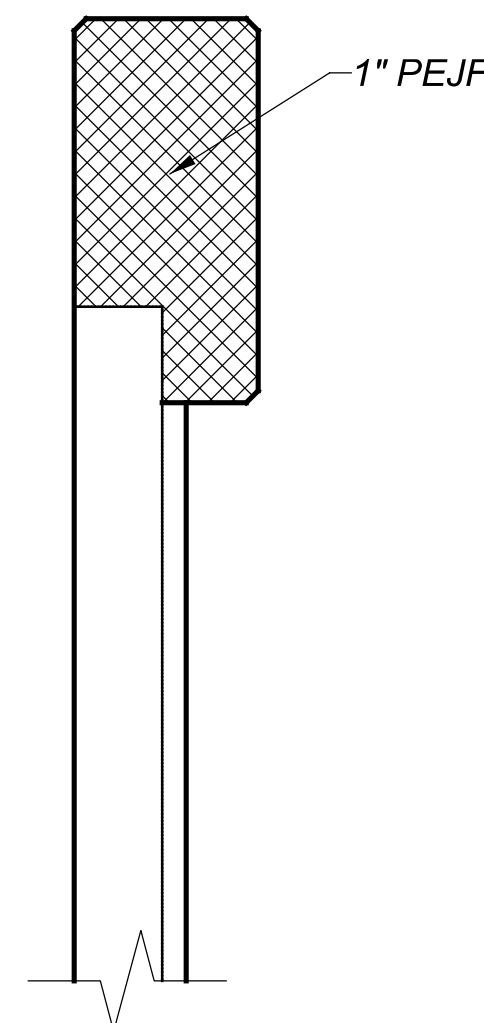
TYPICAL CAST IN PLACE SECTION OF WALL 009A
(APPLIES TO STA 4+63.10 TO STA 5+12.80)



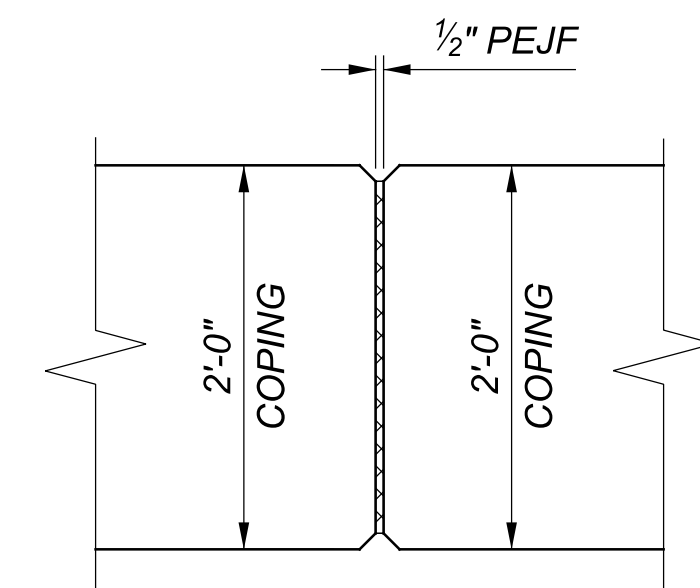
MSE WALL COPING



COPING CONTRACTION JOINTS



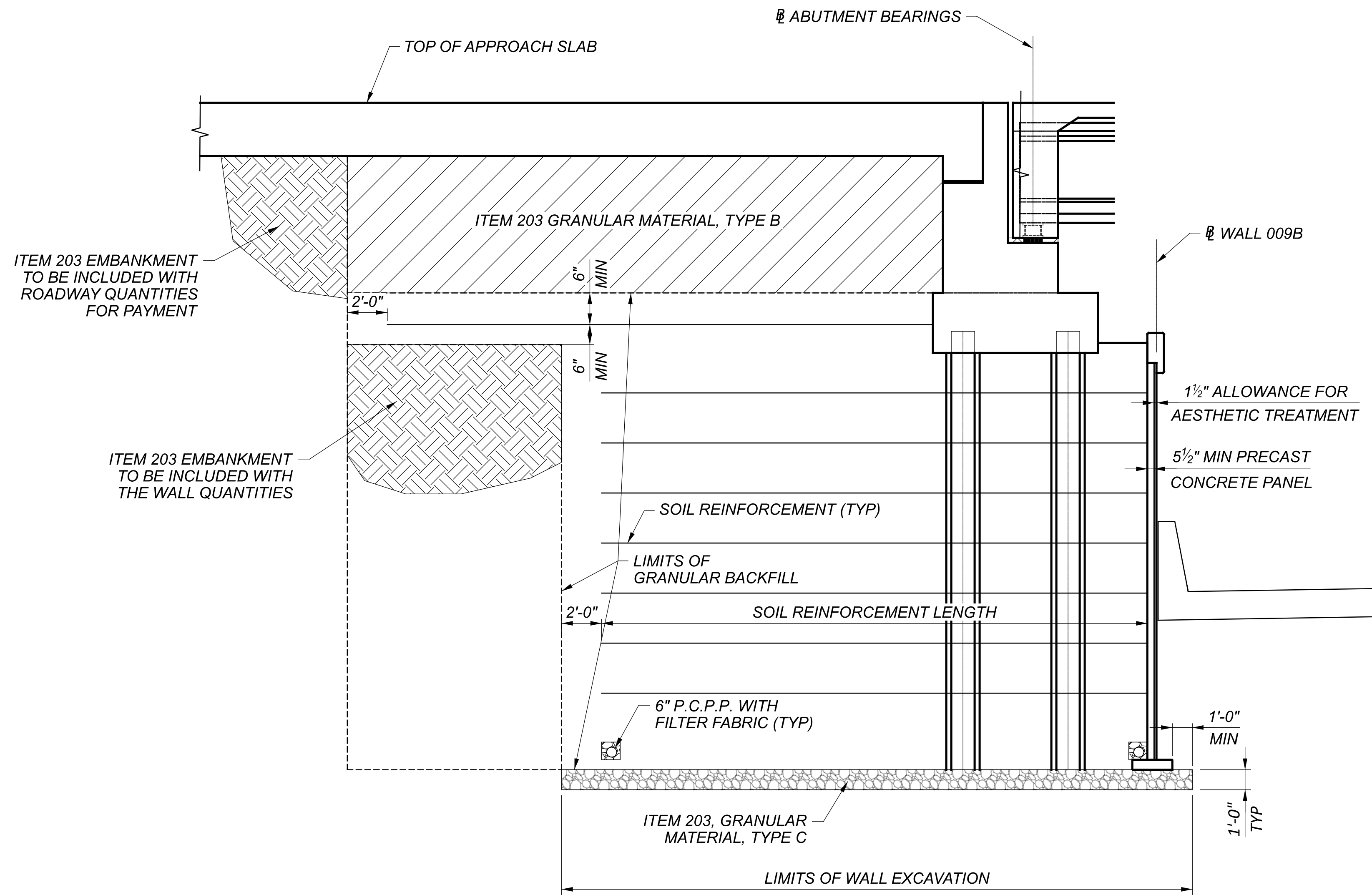
COPING EXPANSION JOINTS



COPING EXPANSION JOINT
(MAX JOINT SPACING IS 20'-0")

WALL SECTIONS
RETAINING WALL NO. 009A ALONG RAMP C & G
STA 0+00.00 TO STA 5+12.80

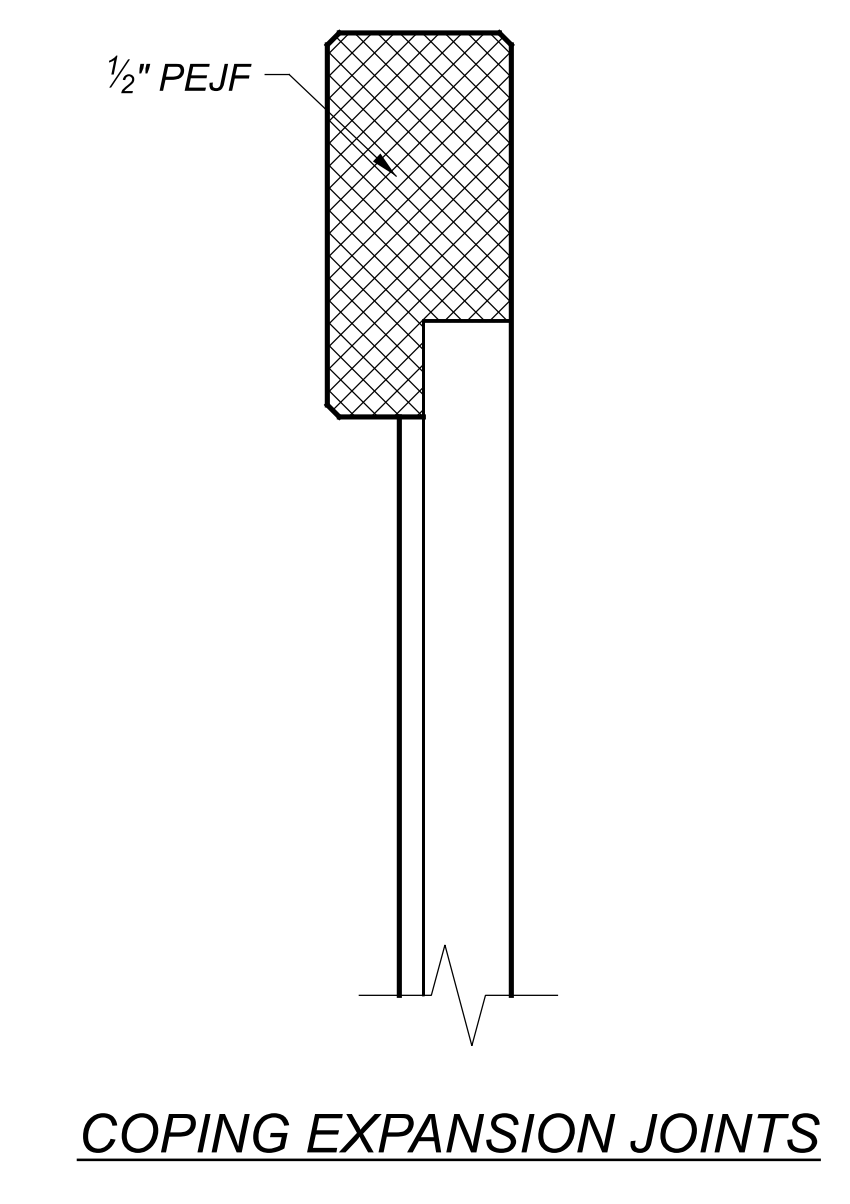
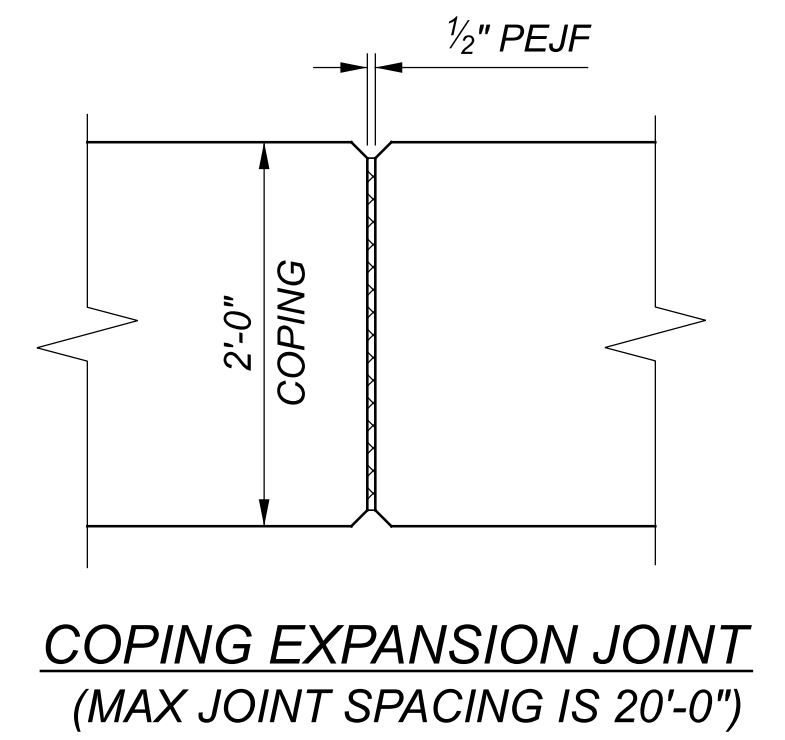
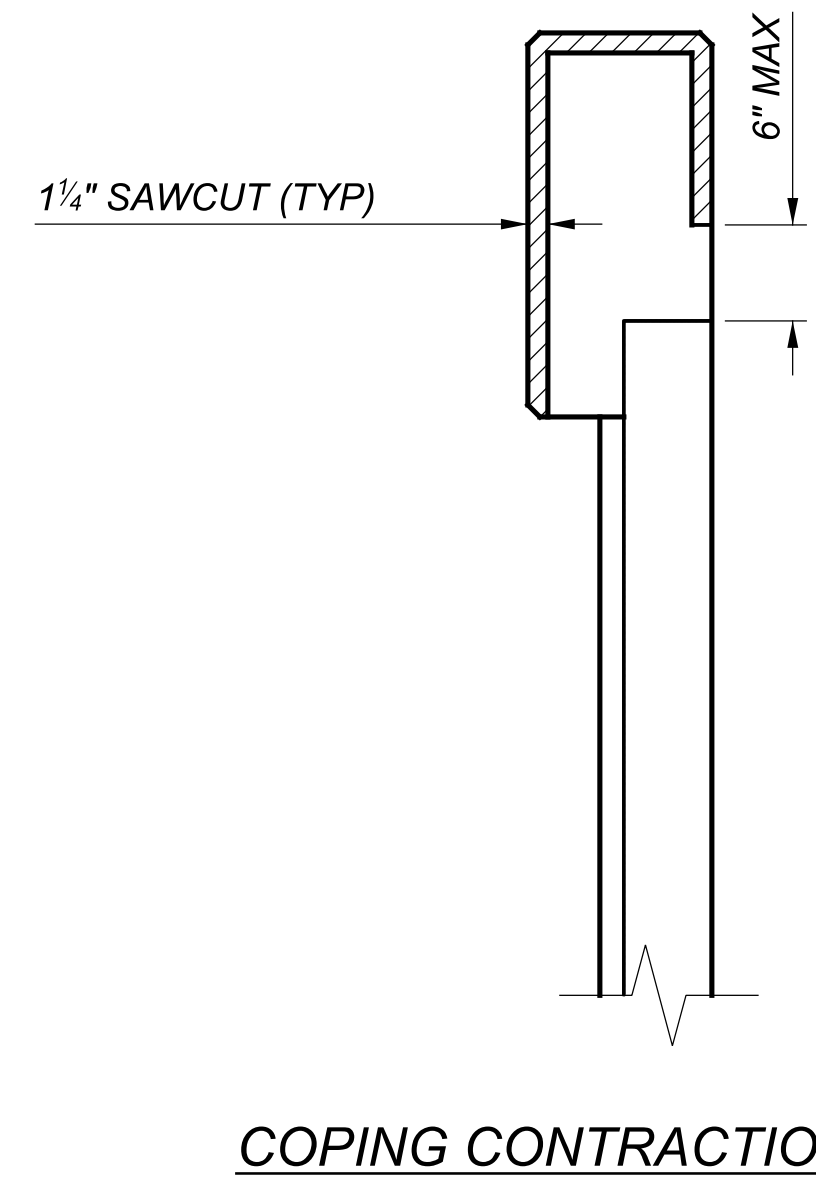
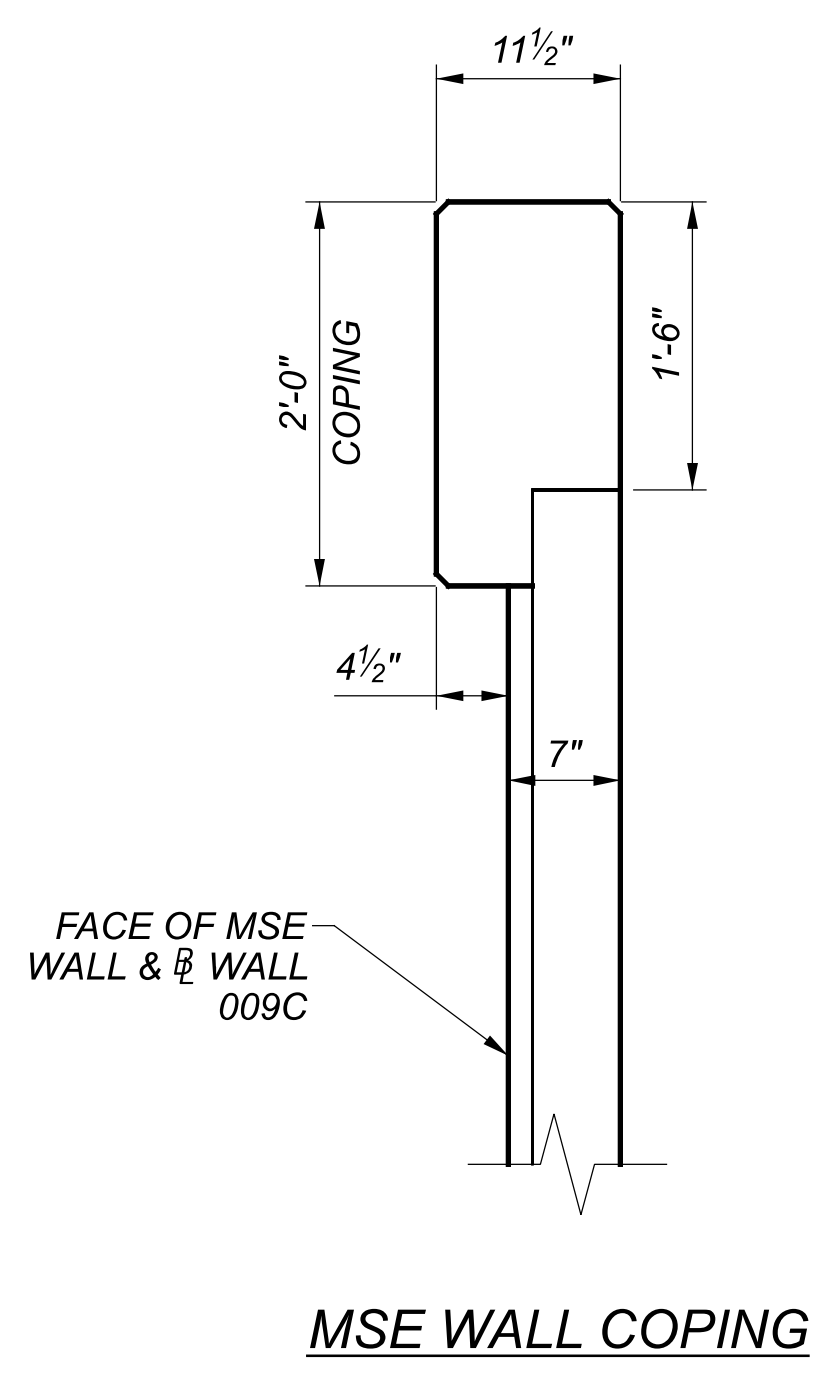
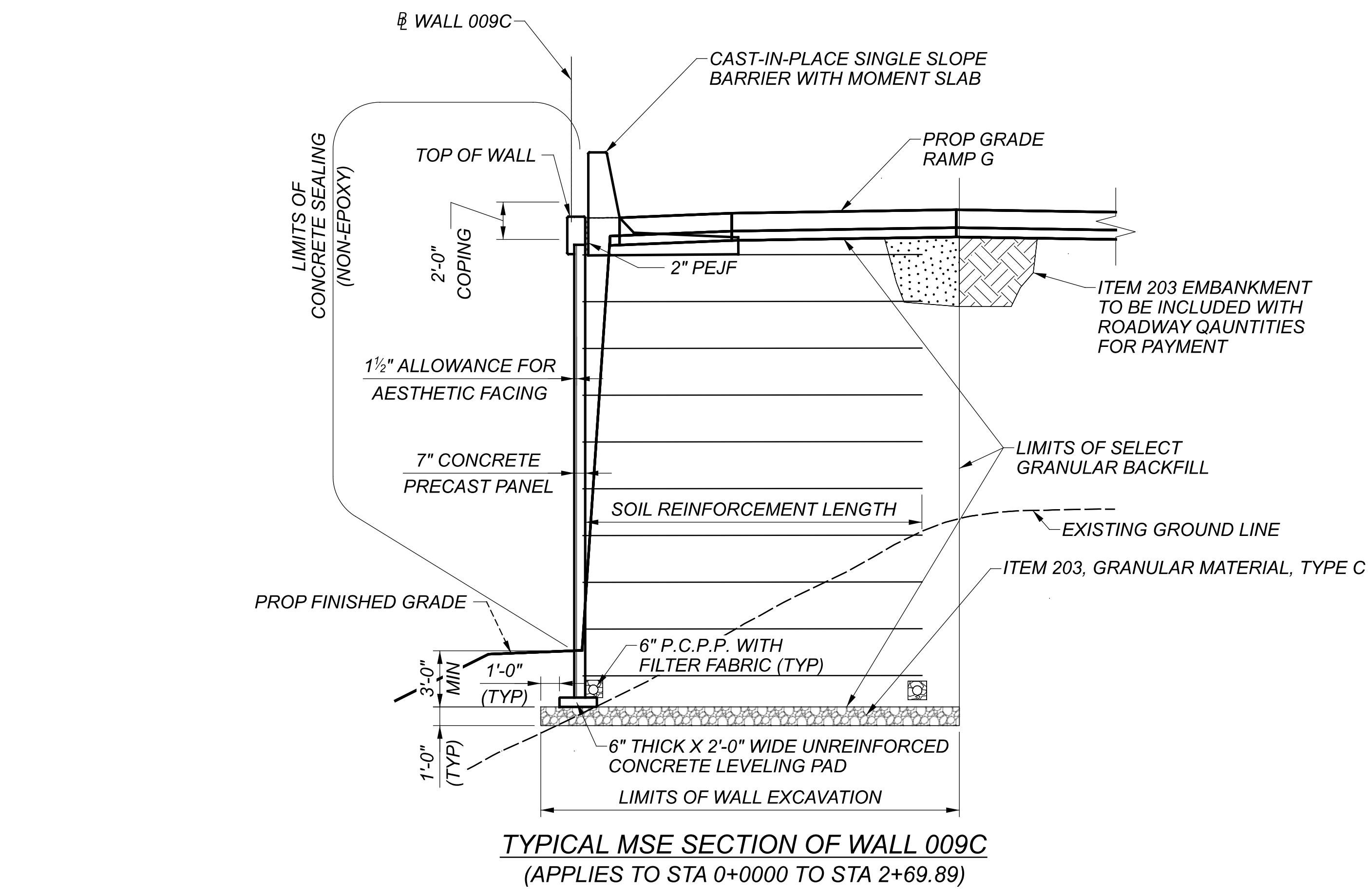
SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	41
TOTAL	45
SHEET	P.378
TOTAL	463



TYPICAL SECTION WALL 009B
 (APPLIES TO STA 1+00.00)

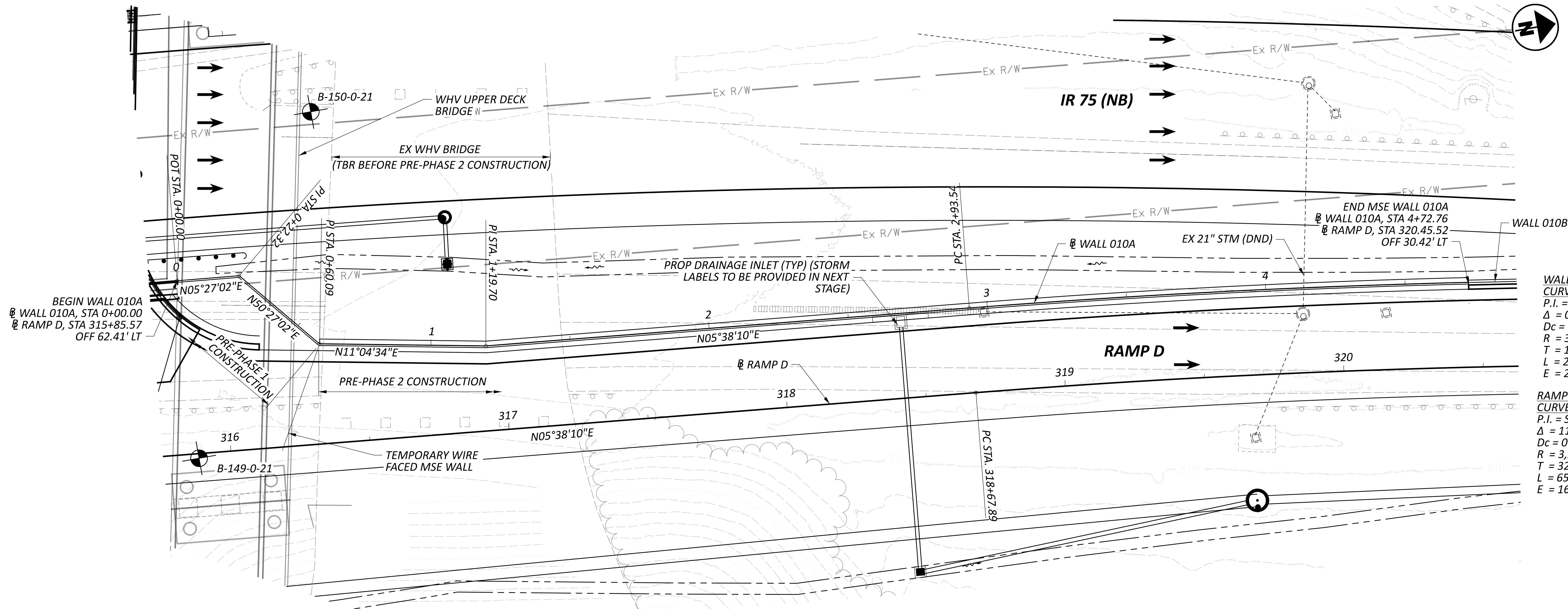
WALL SECTIONS
 RETAINING WALL NO. 009B

SFN	N/A
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	TOTAL
42	45
SHEET	TOTAL
P.379	463



WALL SECTIONS
 RETAINING WALL NO. 009C ALONG RAMP C
 STA 0+00.00 TO STA 2+69.89

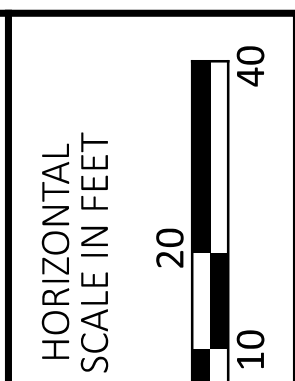
SFN	N/A
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	43
TOTAL	45
SHEET	P.380
TOTAL	463



WALL 010A CURVE DATA
 P.I. = STA. 4+20.57
 $\Delta = 04^{\circ}24'10''$ RT
 $D_c = 01^{\circ}44'02''$
 $R = 3,304.48'$
 $T = 127.03'$
 $L = 253.93'$
 $E = 2.44'$

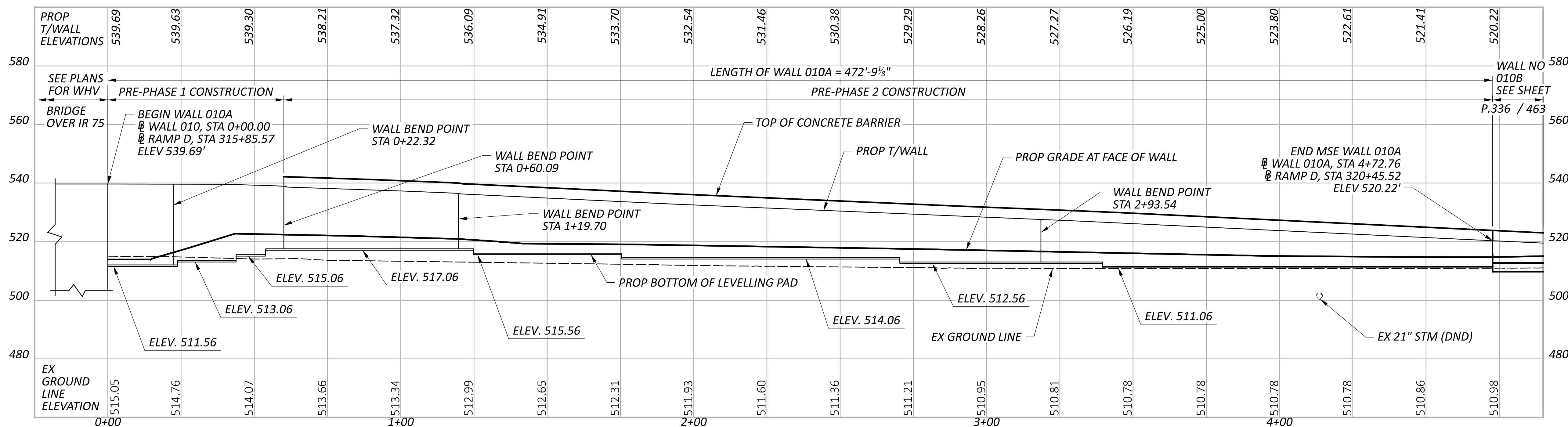
RAMP D CURVE DATA
 P.I. = STA. 321+95.12
 $\Delta = 11^{\circ}24'54''$ RT
 $D_c = 01^{\circ}45'00''$
 $R = 3,274.05'$
 $T = 327.23'$
 $L = 652.29'$
 $E = 16.31'$

PLAN AND PROFILE
RETAINING WALL NO 010A ALONG RAMP D
STA 0+0.00 TO STA 4+72.76



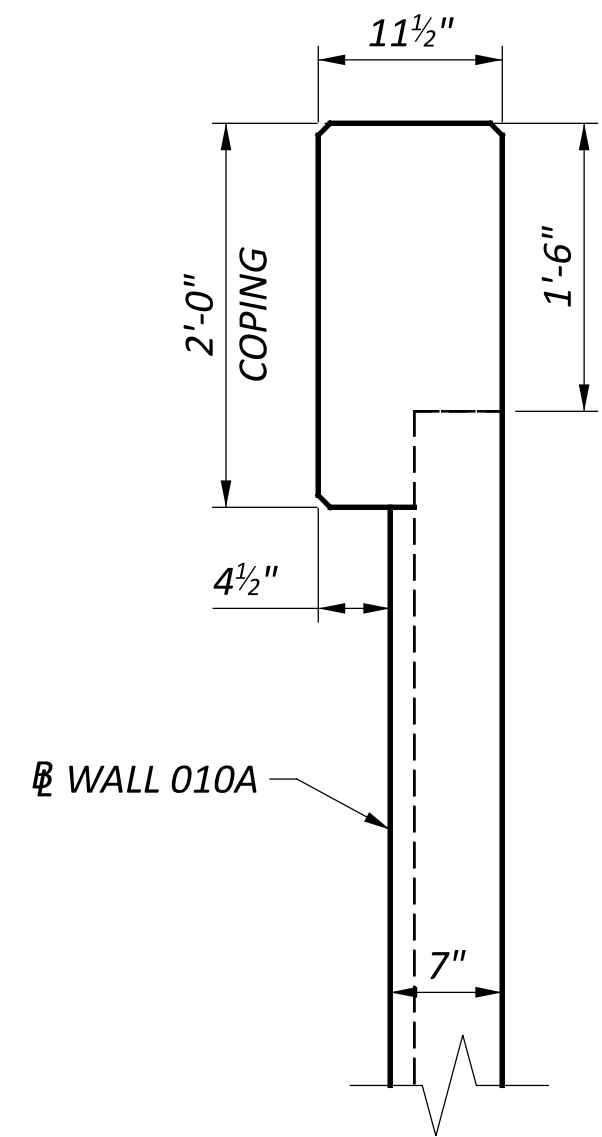
NOTES:

1. ALL DIMENSIONS ARE MEASURED ALONG BASELINE OF WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL PROVIDED AT STAGE 2.

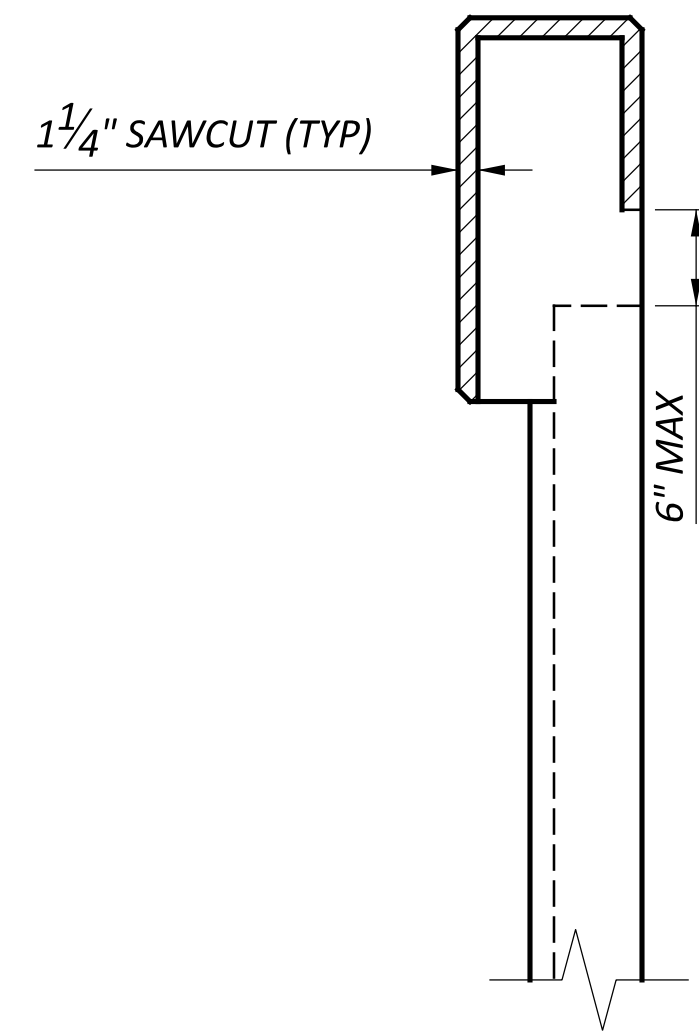


PROFILE ALONG WALL 010A
 (WHV UPPER DECK BRIDGES NOT SHOWN FOR CLARITY)

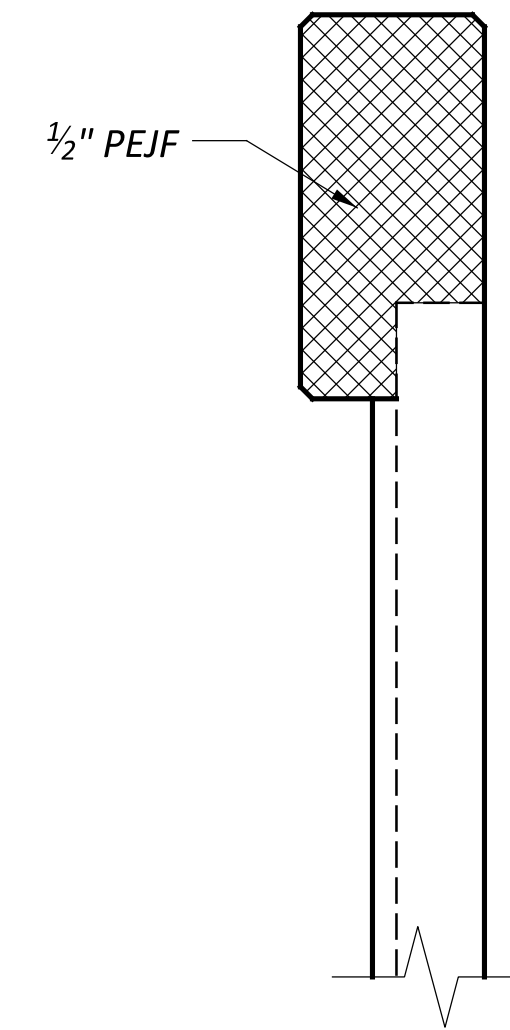
DESIGNER	AI	CHECKER	JGM
REVIEWER	CAS 06/21/24		
PROJECT ID	114161		
SUBSET	44	TOTAL	45
SHEET	P.381	TOTAL	463



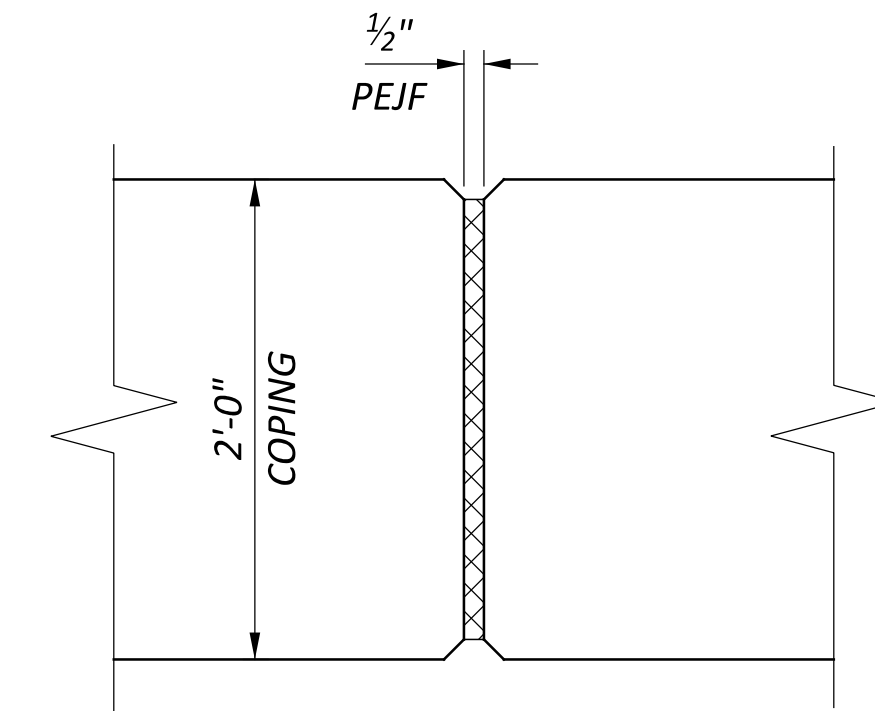
MSE WALL COPING DETAIL



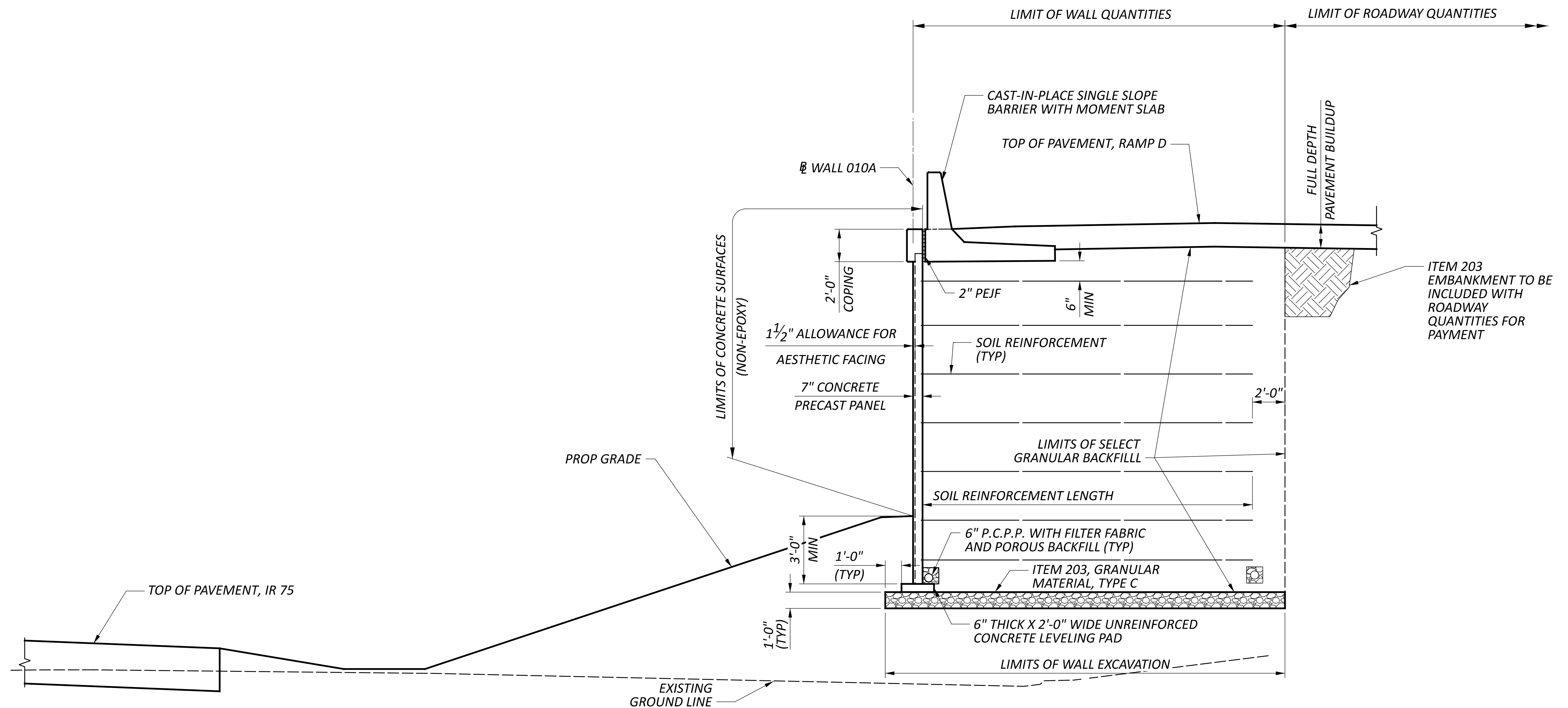
COPING CONTRACTION JOINT DETAIL



COPING EXPANSION JOINT DETAIL

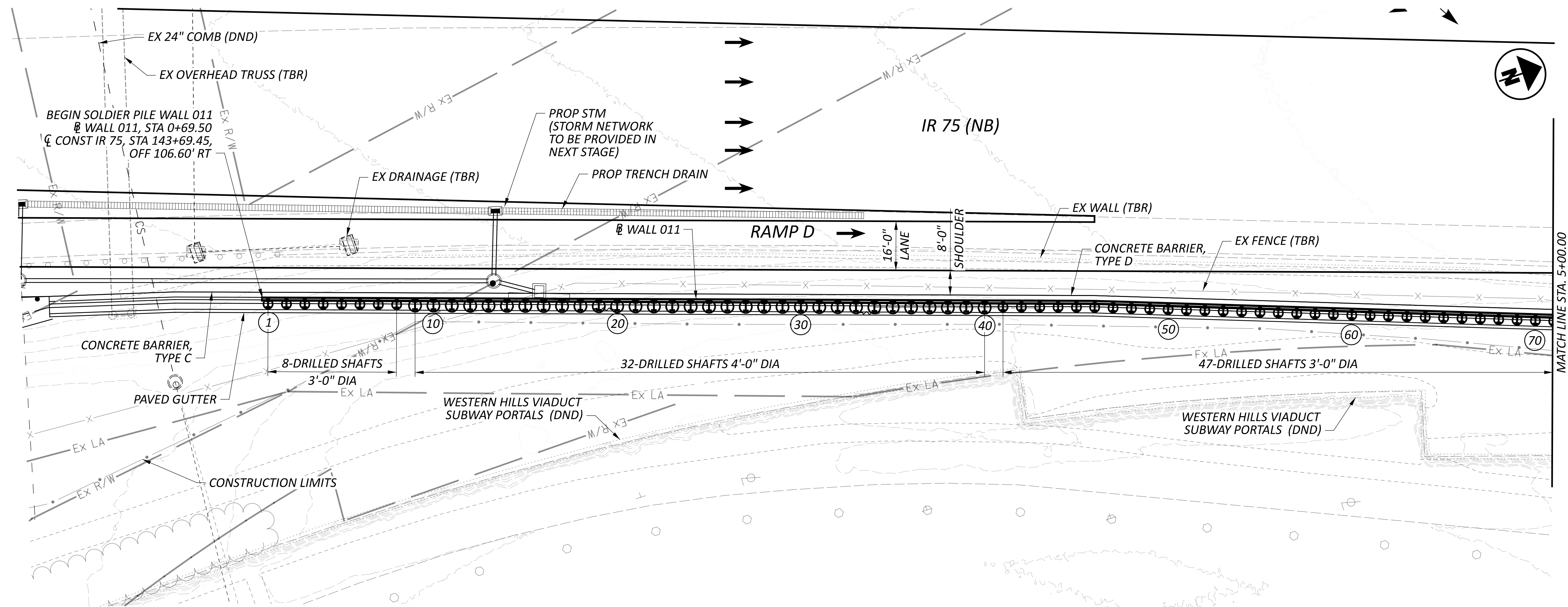


COPING EXPANSION JOINT



TYPICAL MSE SECTION OF WALL 010A

SFN	N/A
DESIGNER	AI
CHECKER	JGM
REVIEWER	CAS
PROJECT ID	114161
SUBSET	45
TOTAL	45
SHEET	P.382
TOTAL	463



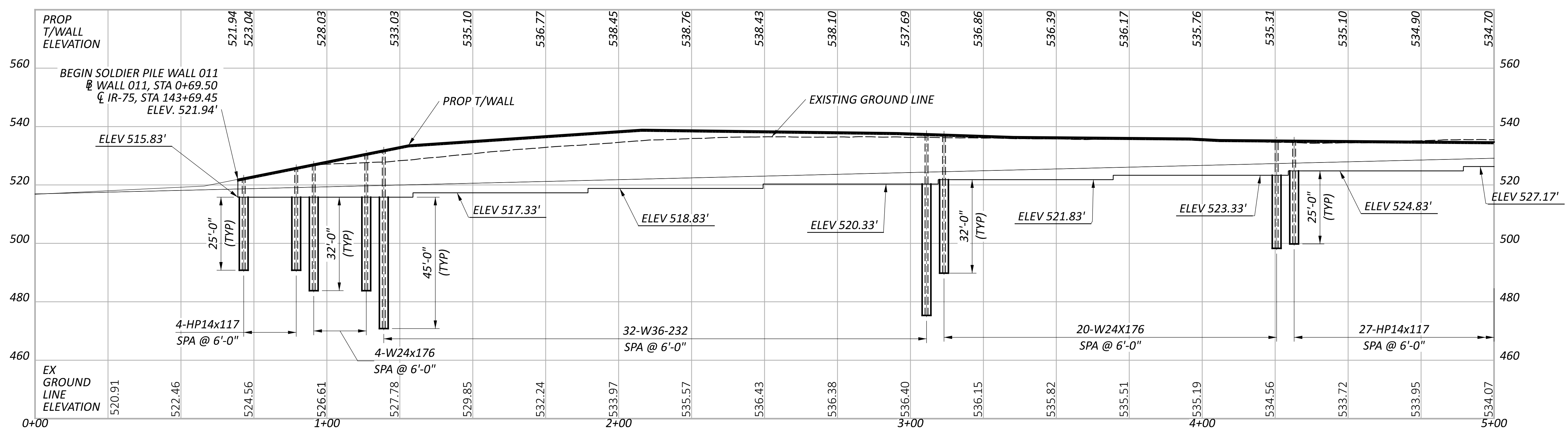
PLAN

NOTES:

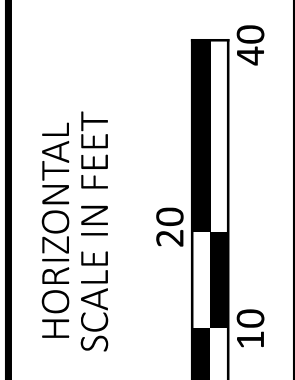
1. ALL DIMENSIONS ARE MEASURED ALONG BASELINE OF WALL.
2. NOTE TO REVIEWER: WALL DRAINAGE DETAILS IN PLAN AND ELEVATION WILL PROVIDED AT STAGE 2.

LEGEND

XX - DRILLED SHAFT NUMBER

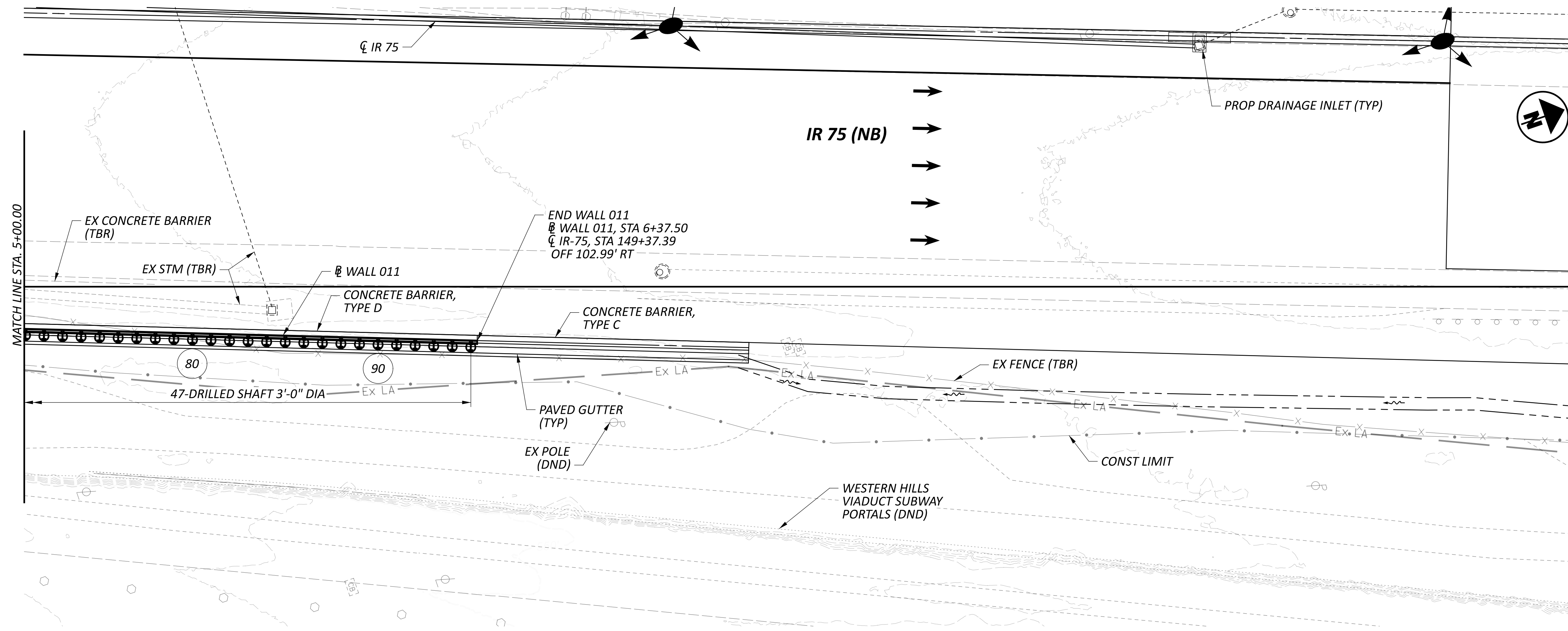


PROFILE ALONG \bar{B} WALL 011

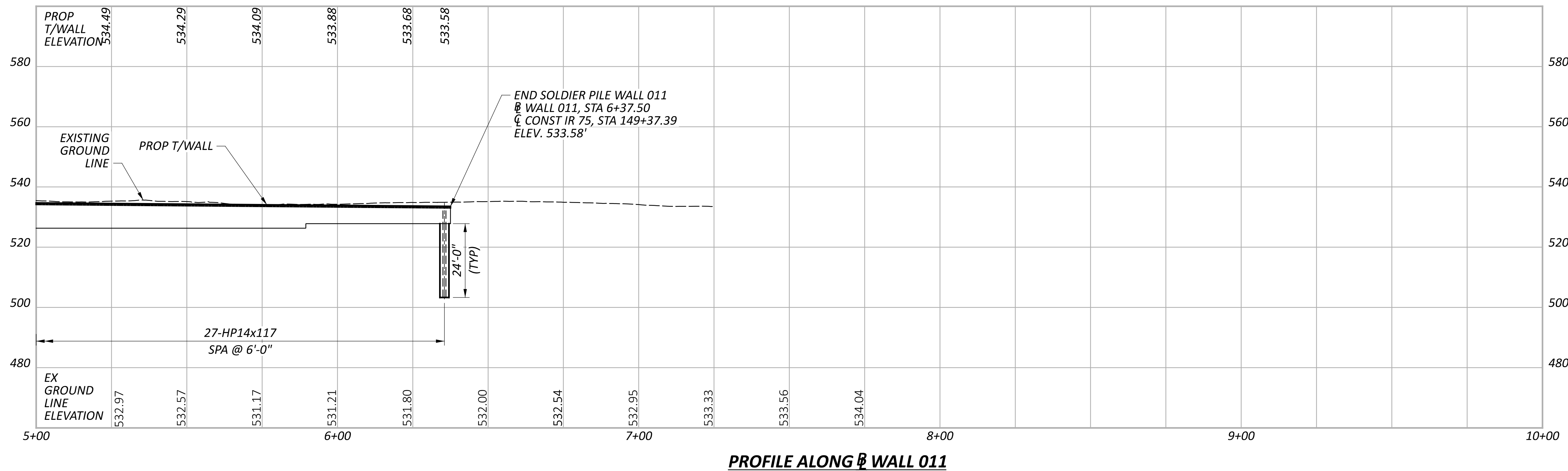


PLAN AND PROFILE
 RETAINING WALL NO 011 ALONG MAINLINE IR 75 AND RAMP D
 STA 0+74.01 TO STA 5+00.00

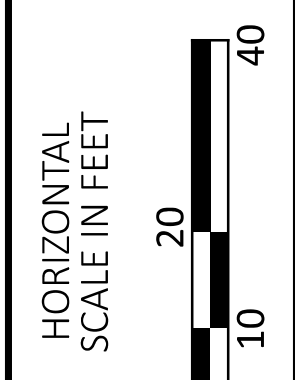
DESIGNER	CHECKER
AI	TDA
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
1	3
SHEET	TOTAL
P.383	463



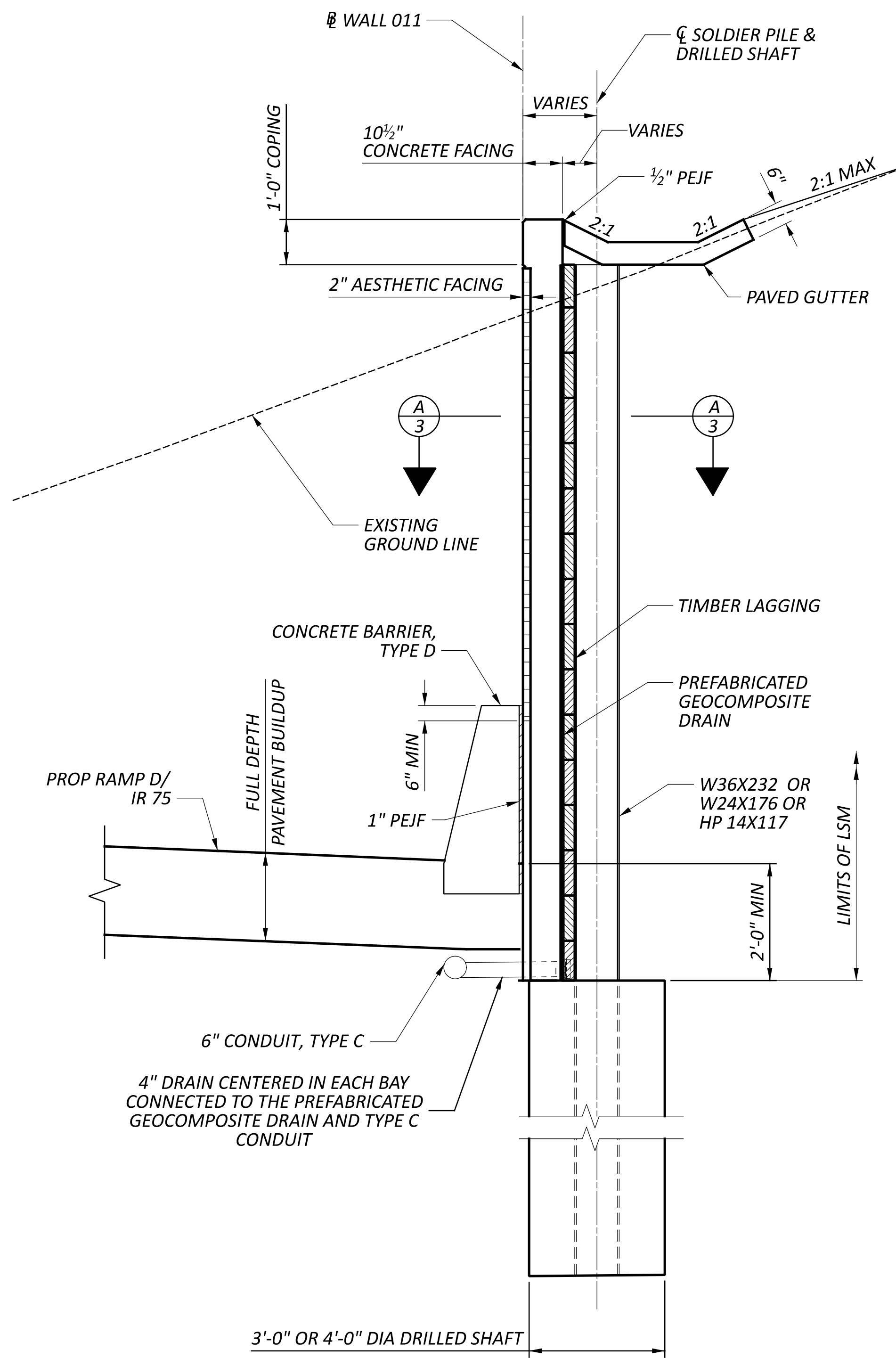
LEGEND
 (XX) - DRILLED SHAFT NUMBER



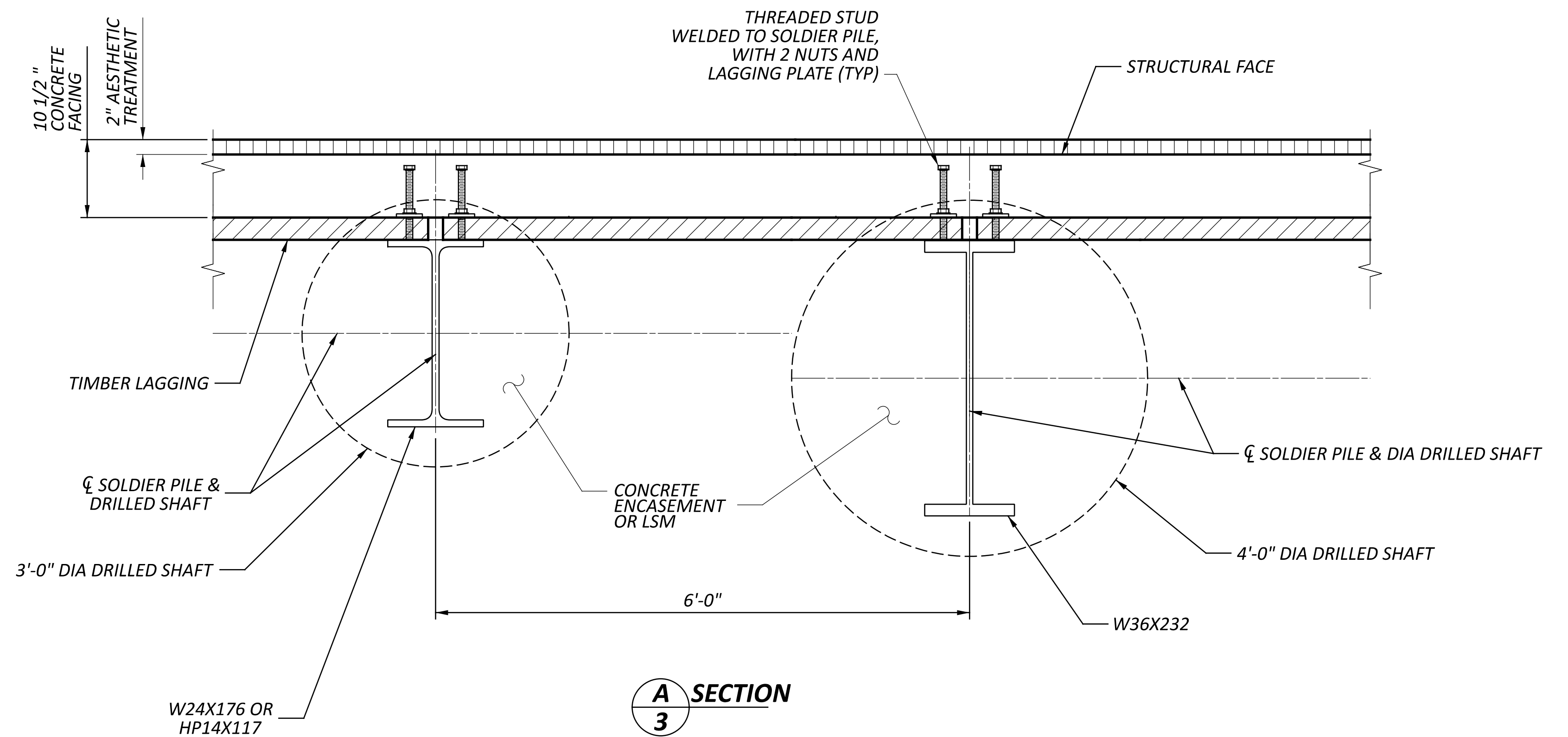
PLAN AND PROFILE
 RETAINING WALL NO 011 ALONG MAINLINE IR 75 AND RAMP D
 STA 5+00.00 TO STA 6+37.50



SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	AI
CHECKER	TDA
REVIEWER	CAS
DATE	06/21/24
PROJECT ID	114161
SUBSET	2
TOTAL	3
SHEET	P.384
TOTAL	463



**TYPICAL SECTION WALL 011
SOLDIER PILE WALL**

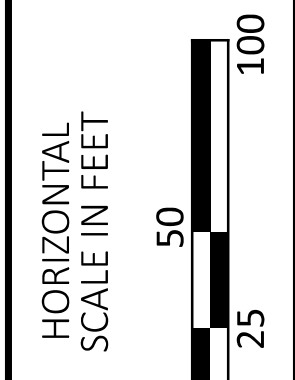
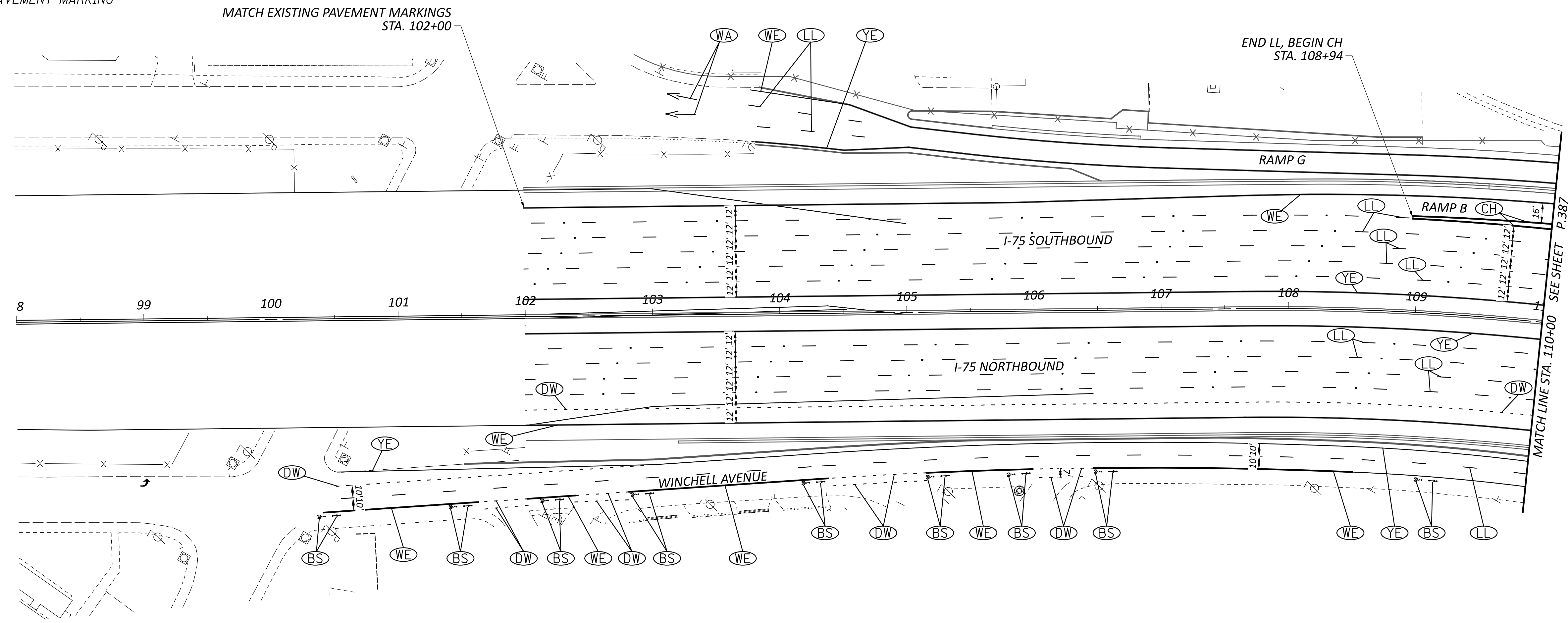


**A
3 SECTION**

**WALL SECTIONS
RETAINING WALL NO 011
ALONG MAINLINE IR-75 AND RAMP D**

SFN	N/A
DESIGN AGENCY	EMHT
DESIGNER	CHECKER
AI	TDA
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
3	3
SHEET	TOTAL
P.385	463

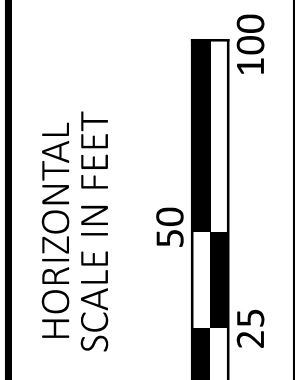
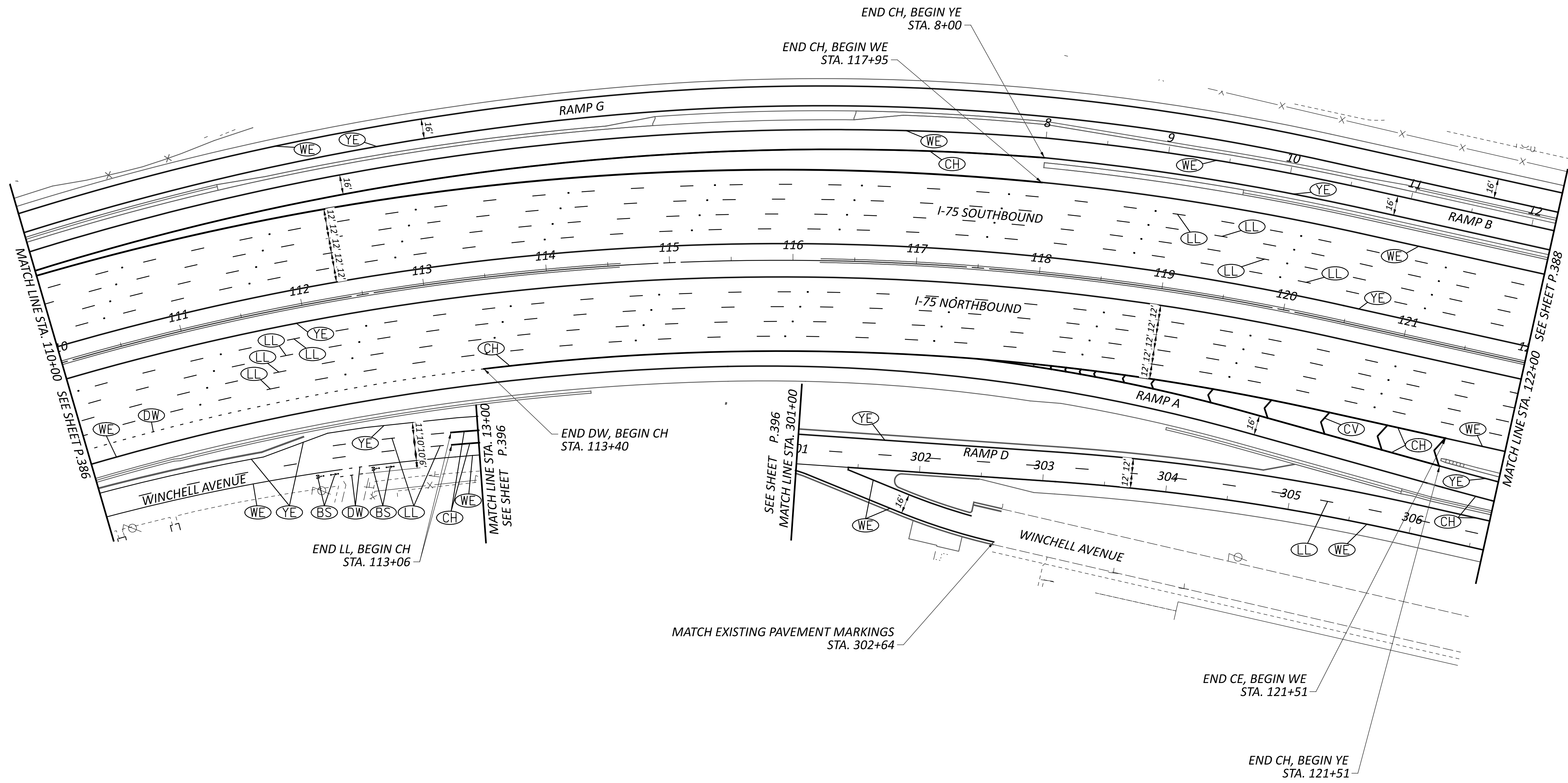
ODOT LINE SPECIFICATIONS	
DY	CENTER LINE, 4", SOLID DOUBLE YELLOW
LL	LANE LINE, 6", WHITE
CH	CHANNELIZING LINE, 12", WHITE
CV	CHEVRON LINE, 24", WHITE
SL	STOP LINE, 24", WHITE
WE	EDGE LINE, 6", WHITE
YE	EDGE LINE, 6", YELLOW
A	LANE ARROW, WHITE
DW	DOTTED LINE, 6", WHITE
WA	WRONG WAY ARROW, WHITE
RPM	RAISED PAVEMENT MARKINGS
XX	PROPOSED PAVEMENT MARKING (ITEM 647)
XX	EXISTING PAVEMENT MARKING



SIGN AND PAVEMENT MARKING PLAN
I-75 MAINLINE - STA. 98+00 TO 110+00

NOTE TO REVIEWERS:
 THE DESIGN SOUTH OF STATION 102+00 IS TO BE DETERMINED AT THIS STAGE AND WILL BE REFINED IN STAGE 2 WITH ONGOING COORDINATION AND CONSTRUCTION SCHEDULE OF HAM-75-1.05, PID 113361.

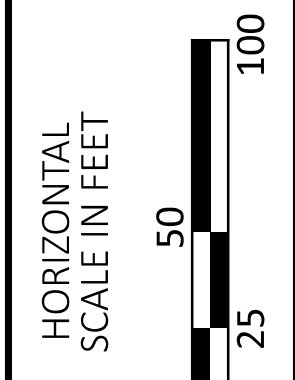
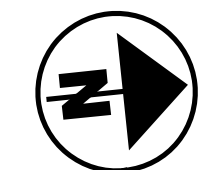
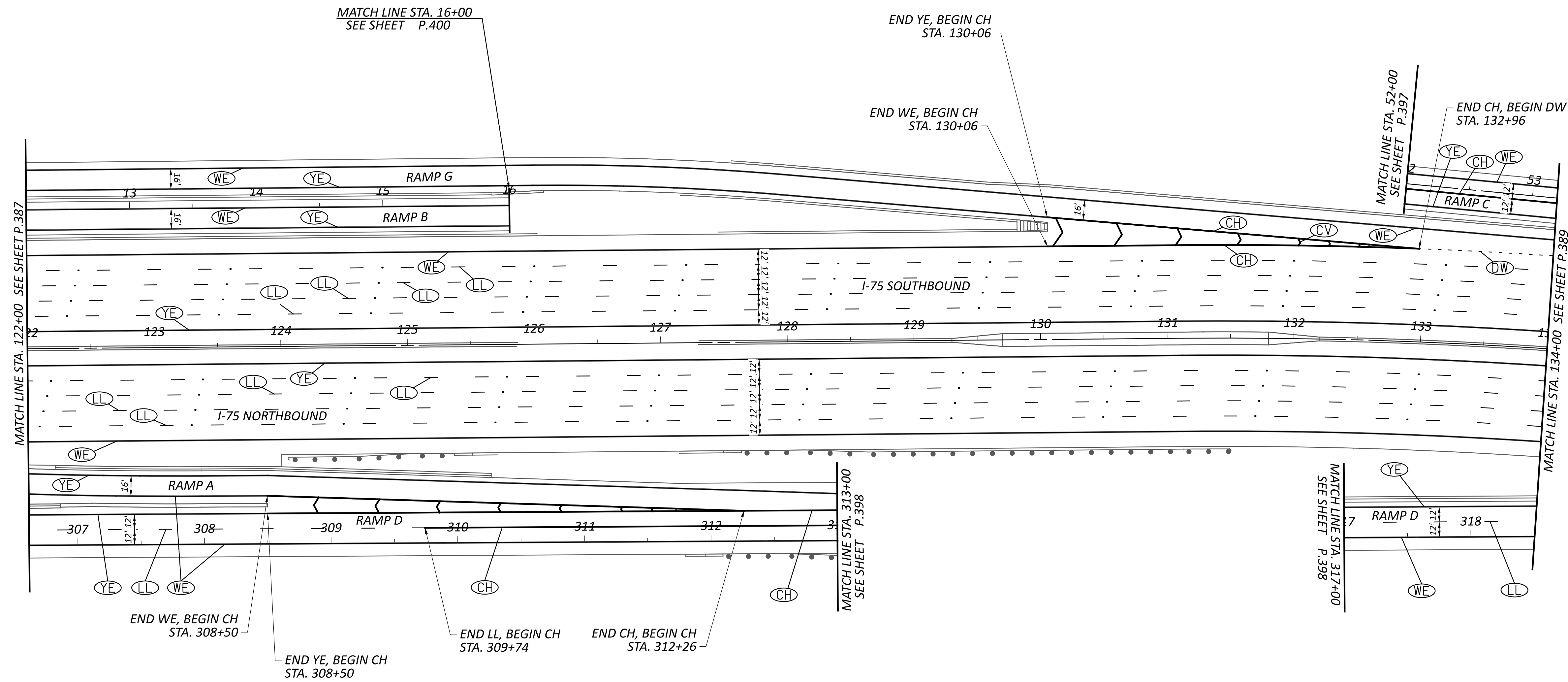
DESIGN AGENCY	Lanham ENGINEERING LLC
DESIGNER	ANC
REVIEWER	JAR 05-24-24
PROJECT ID	114161
SHEET TOTAL	P.386 463



SIGN AND PAVEMENT MARKING PLAN
I-75 MAINLINE - STA. 110+00 TO 122+00

NOTES:
SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.

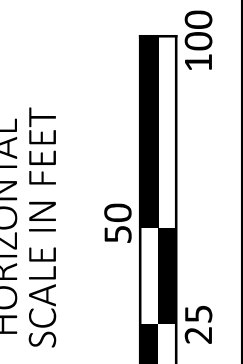
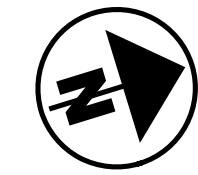
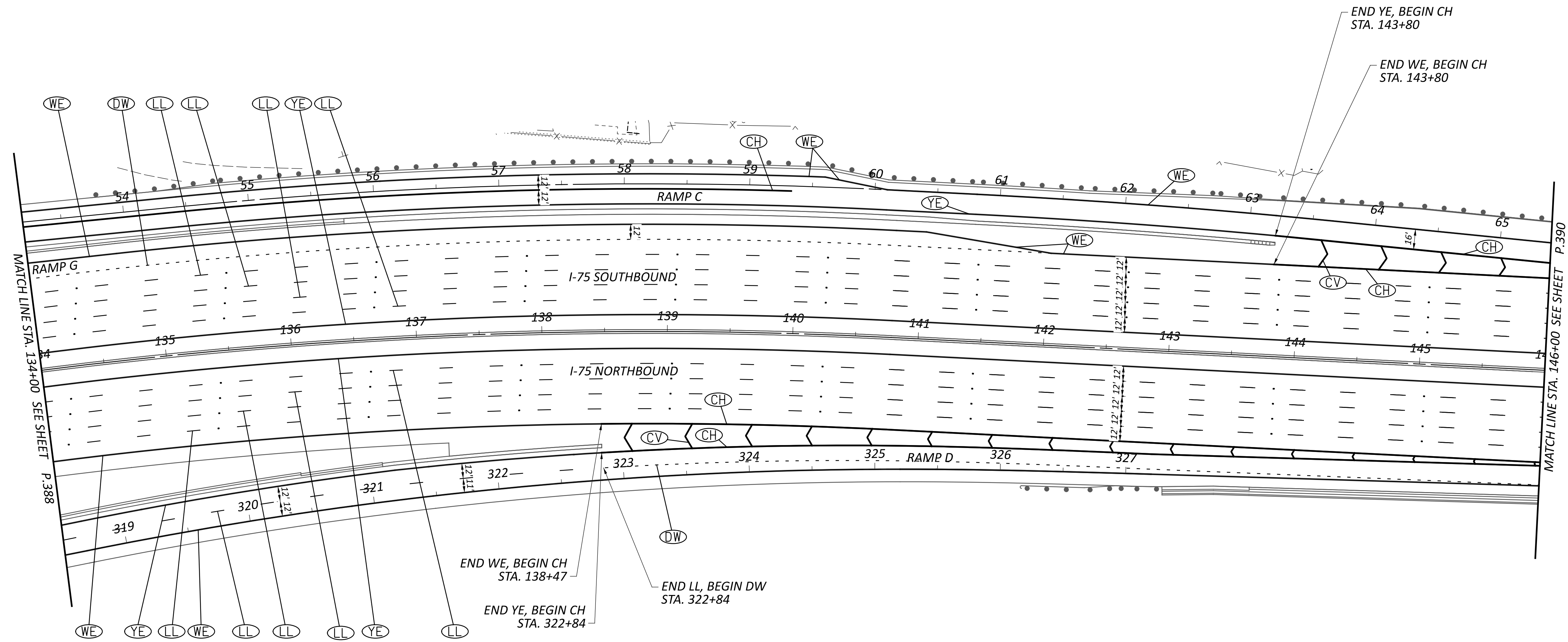
DESIGN AGENCY	
Lanham ENGINEERING LLC	
DESIGNER	
ANC	
REVIEWER	
JAR	05-24-24
PROJECT ID	
114161	
SHEET	TOTAL
P.387	463



SIGN AND PAVEMENT MARKING PLAN
I-75 MAINLINE - STA. 122+00 TO 134+00

NOTES:
 SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.

DESIGN AGENCY	
DESIGNER	ANC
REVIEWER	JAR
PROJECT ID	05-24-24
SHEET	114161
TOTAL	463
P.388	



SIGN AND PAVEMENT MARKING PLAN
I-75 MAINLINE - STA. 134+00 TO 146+00

NOTES:
 SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.

DESIGN AGENCY

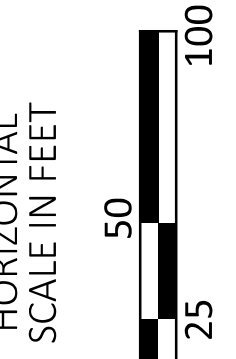
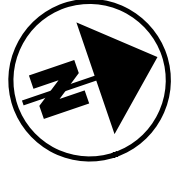
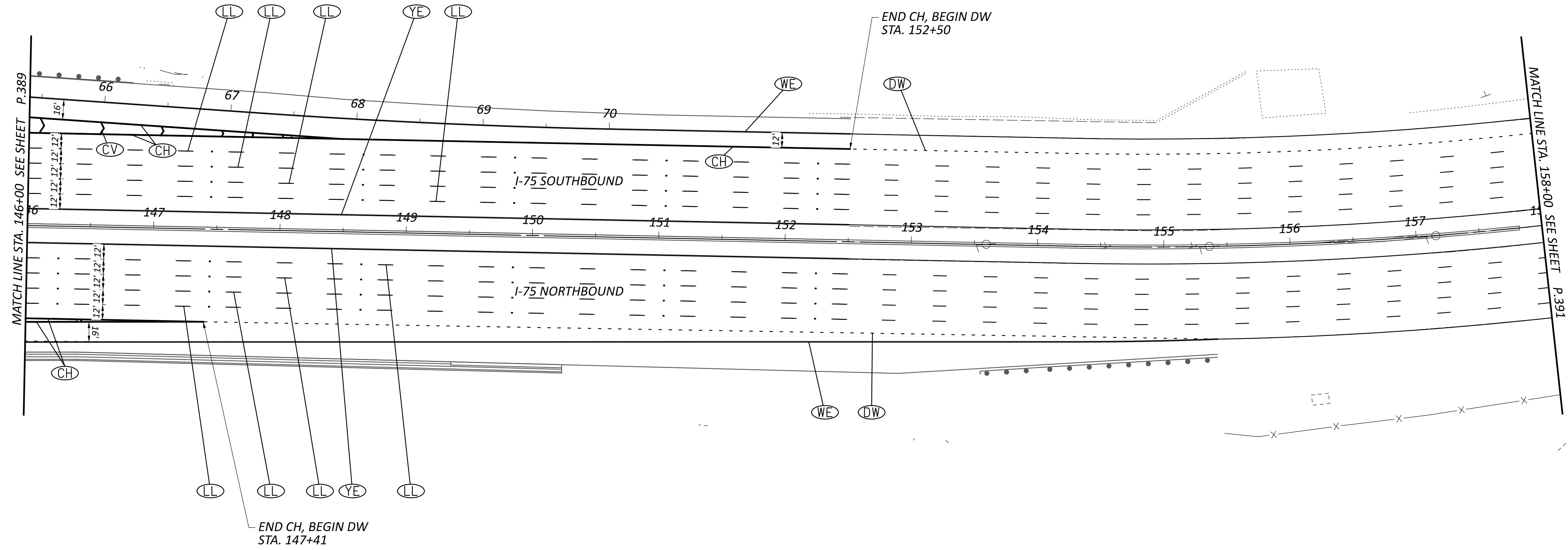


DESIGNER
ANC

REVIEWER
JAR 05-24-24

PROJECT ID
114161

SHEET	TOTAL
P.389	463



SIGN AND PAVEMENT MARKING PLAN
I-75 MAINLINE - STA. 146+00 TO 158+00

DESIGN AGENCY



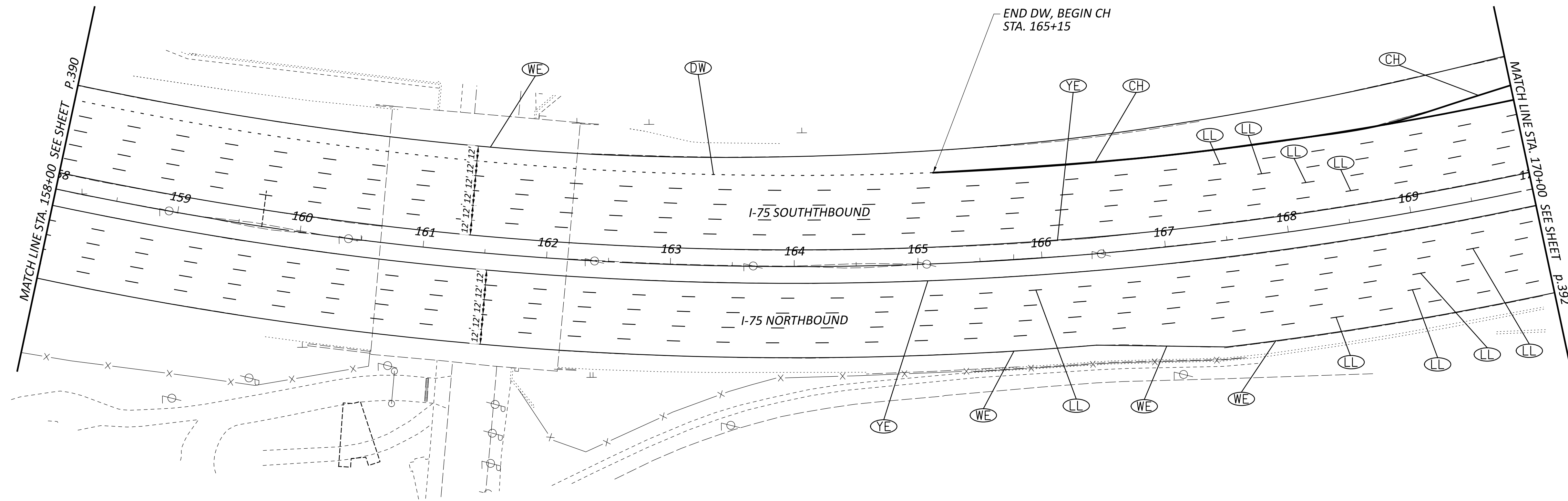
DESIGNER
ANC

REVIEWER
JAR 05-24-24

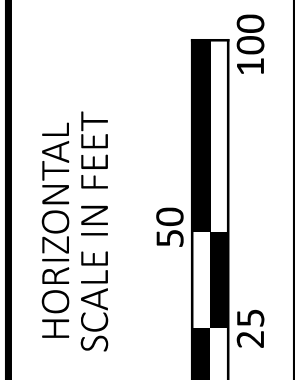
PROJECT ID
114161

SHEET TOTAL
P.390 463

NOTES:
SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.



NOTES:
SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.



SIGN AND PAVEMENT MARKING PLAN
I-75 MAINLINE - STA. 158+00 TO 170+00

DESIGN AGENCY

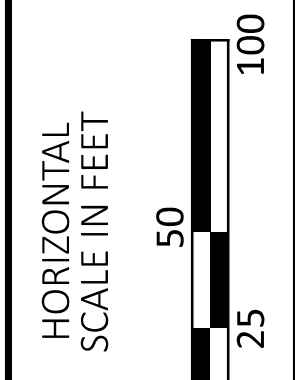
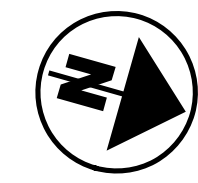
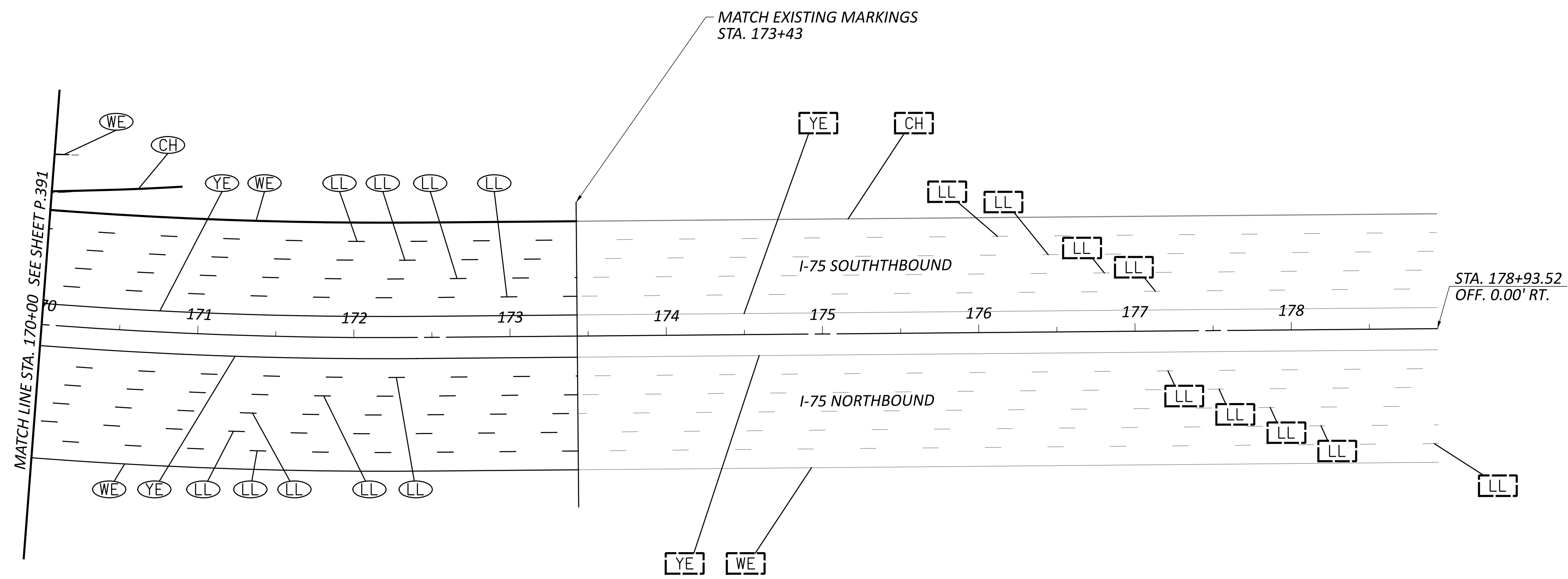


DESIGNER
ANC

REVIEWER
JAR 05-24-24

PROJECT ID
0114161

SHEET	TOTAL
P.391	463



SIGN AND PAVEMENT MARKING PLAN
 I-75 MAINLINE - STA. 170+00 TO 178+93.52

DESIGN AGENCY



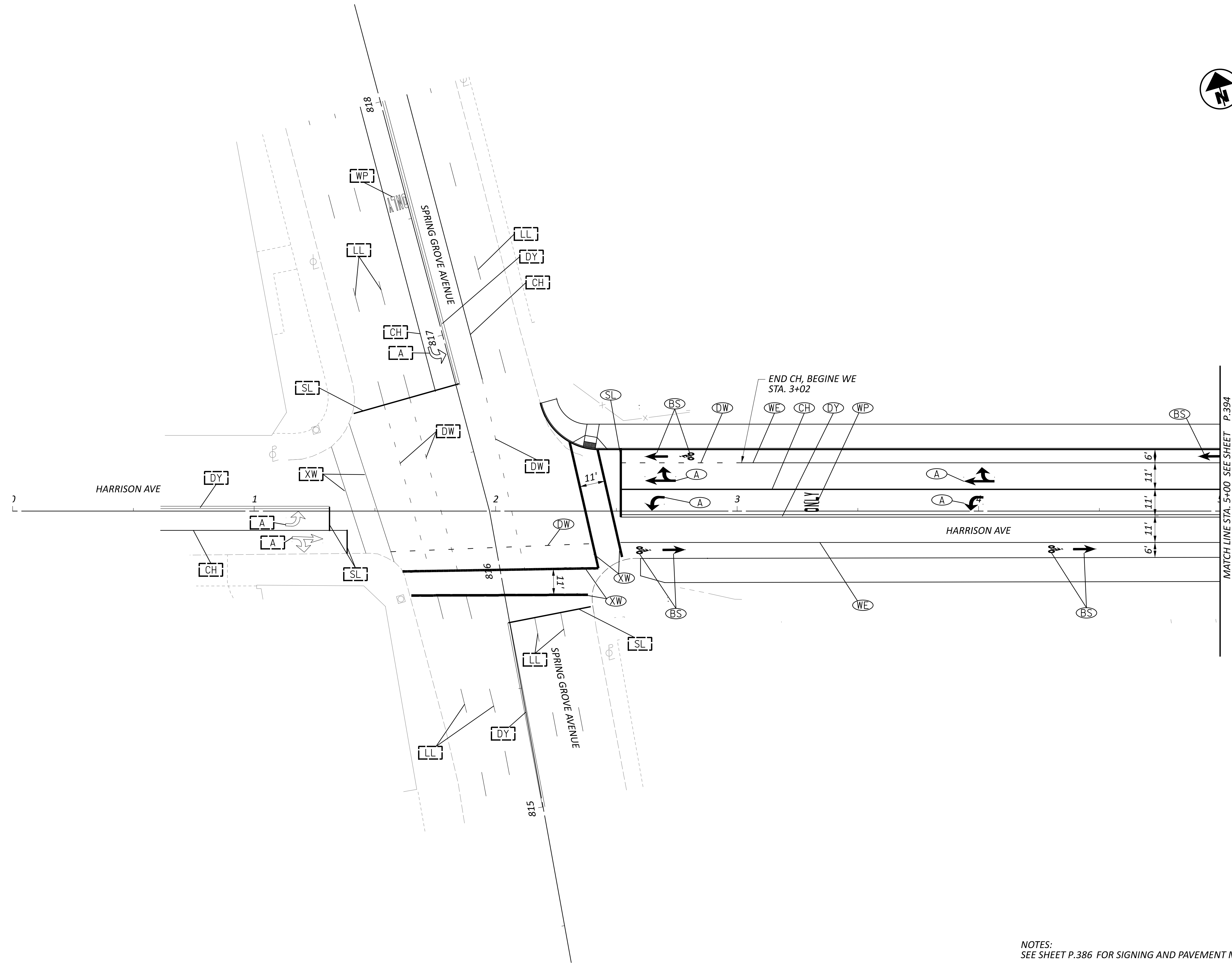
DESIGNER
ANC

REVIEWER
JAR 05-24-24

PROJECT ID
114161

SHEET TOTAL
p.392 463

NOTES:
SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.



NOTES:
SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.

SIGN AND PAVEMENT MARKING PLAN
HARRISON AVE STA. 0+00 TO 5+00

DESIGN AGENCY

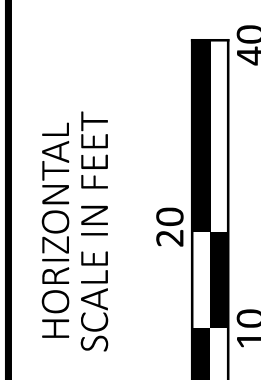


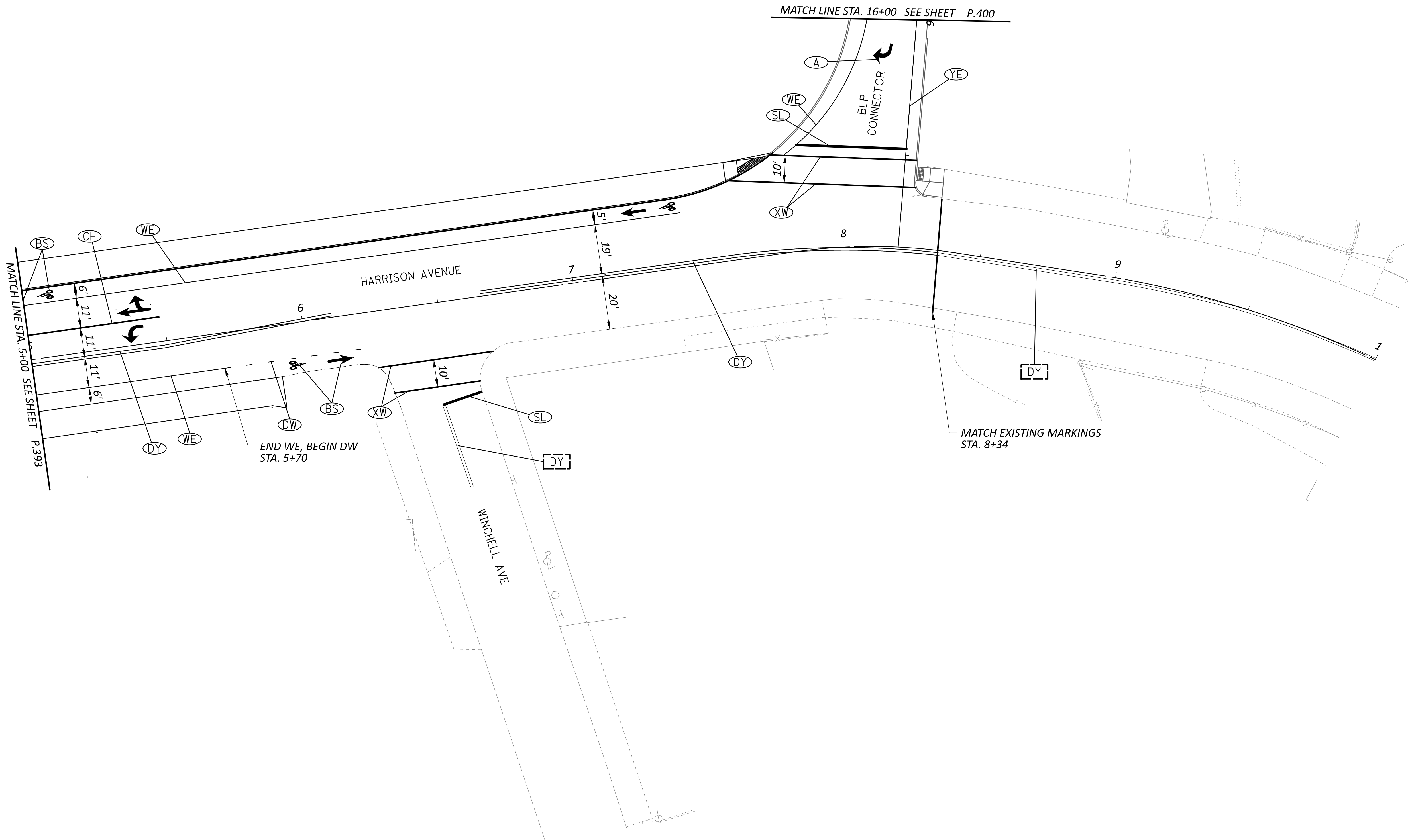
DESIGNER
ANC

REVIEWER
JAR 05-24-24

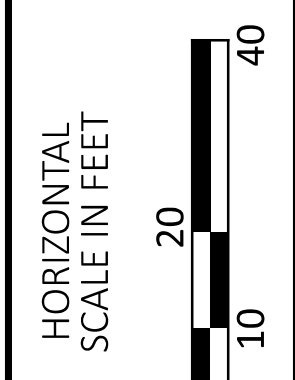
PROJECT ID
114161

SHEET	TOTAL
P.393	463





NOTES:
 SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.



SIGN AND PAVEMENT MARKING PLAN
 HARRISON AVE STA. 5+00 TO 10+00

DESIGN AGENCY

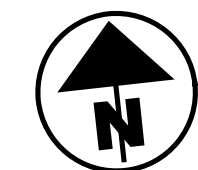
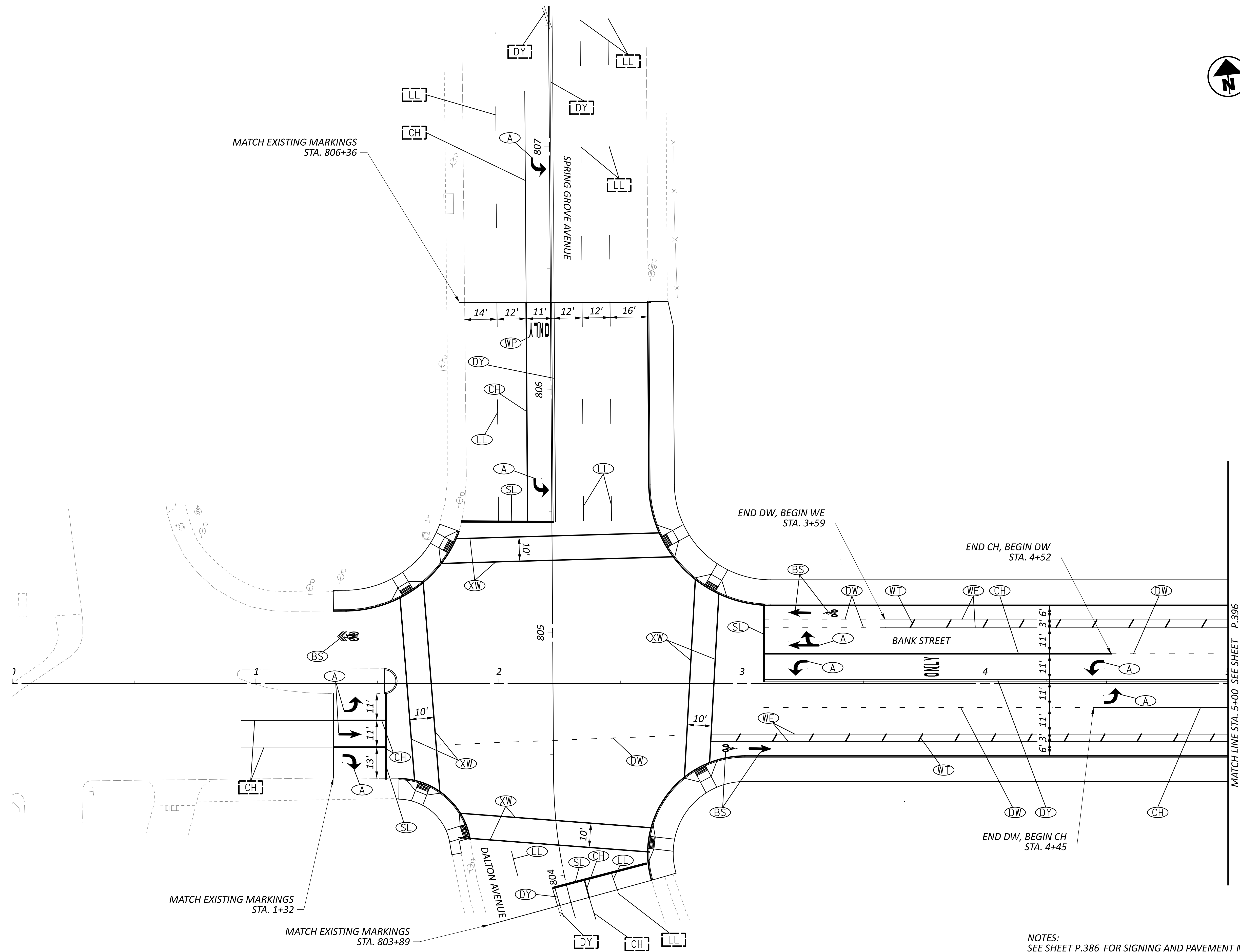


DESIGNER
 ANC

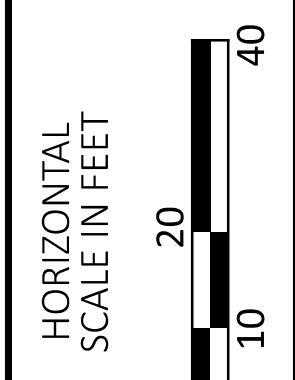
REVIEWER
 JAR 05-24-24

PROJECT ID
 114161

SHEET	TOTAL
P.394	463



SIGN AND PAVEMENT MARKING PLAN
BANK ST STA. 0+00 TO 5+00



NOTES:
SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.

DESIGN AGENCY



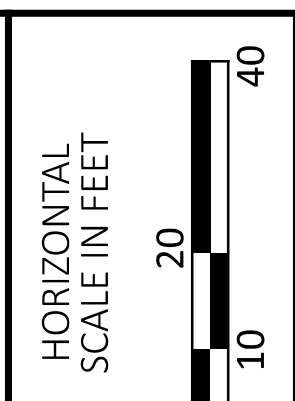
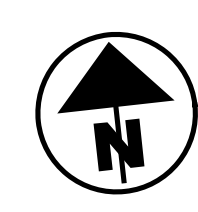
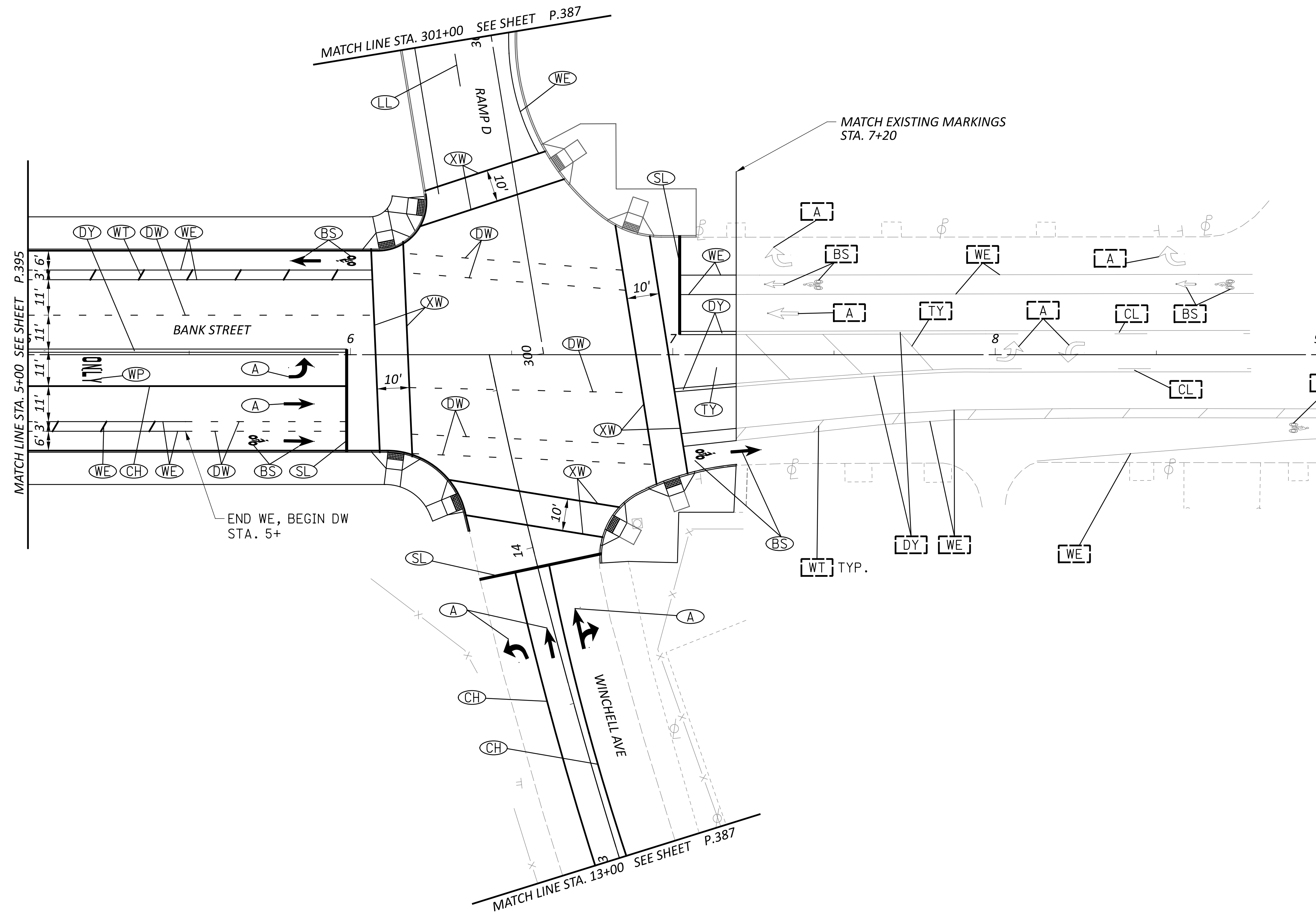
DESIGNER
ANC

REVIEWER
JAR 05-24-24

PROJECT ID
114161

SHEET	TOTAL
P.395	463

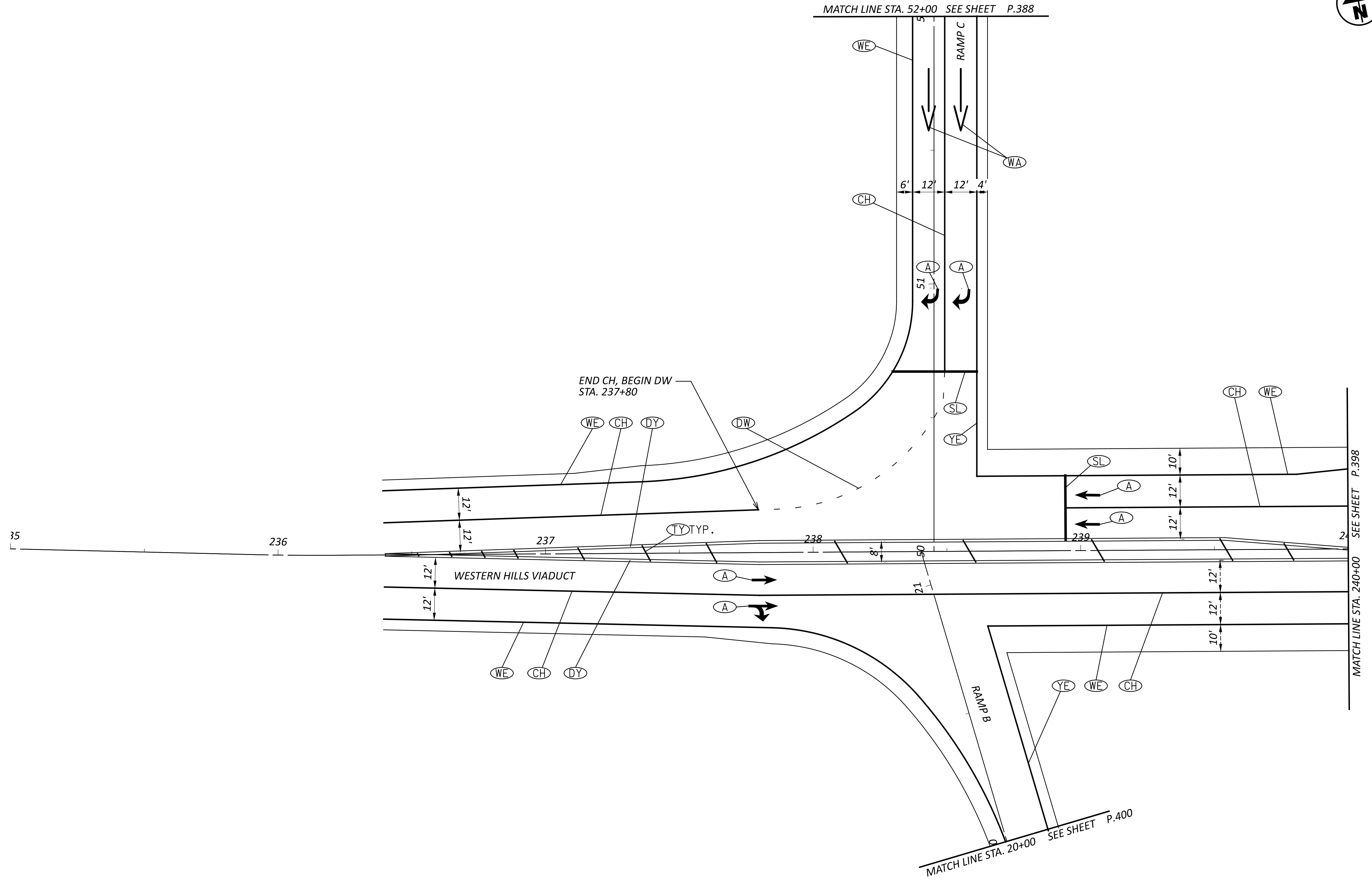
MATCH LINE STA. 5+00 SEE SHEET P.396



SIGN AND PAVEMENT MARKING PLAN
 BANK ST STA. 5+00 TO 9+00

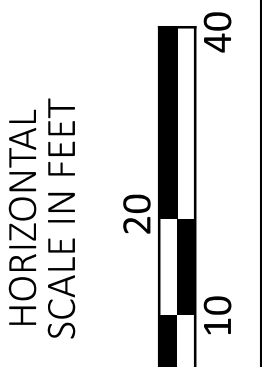
NOTES:
 SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.

DESIGN AGENCY	
DESIGNER	ANC
REVIEWER	JAR
PROJECT ID	05-24-24
SHEET	114161
TOTAL	463
P.396	



NOTES:
 SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.

SIGN AND PAVEMENT MARKING PLAN
 WESTERN HILLS VIADUCT STA. 235+00 TO 240+00



DESIGN AGENCY

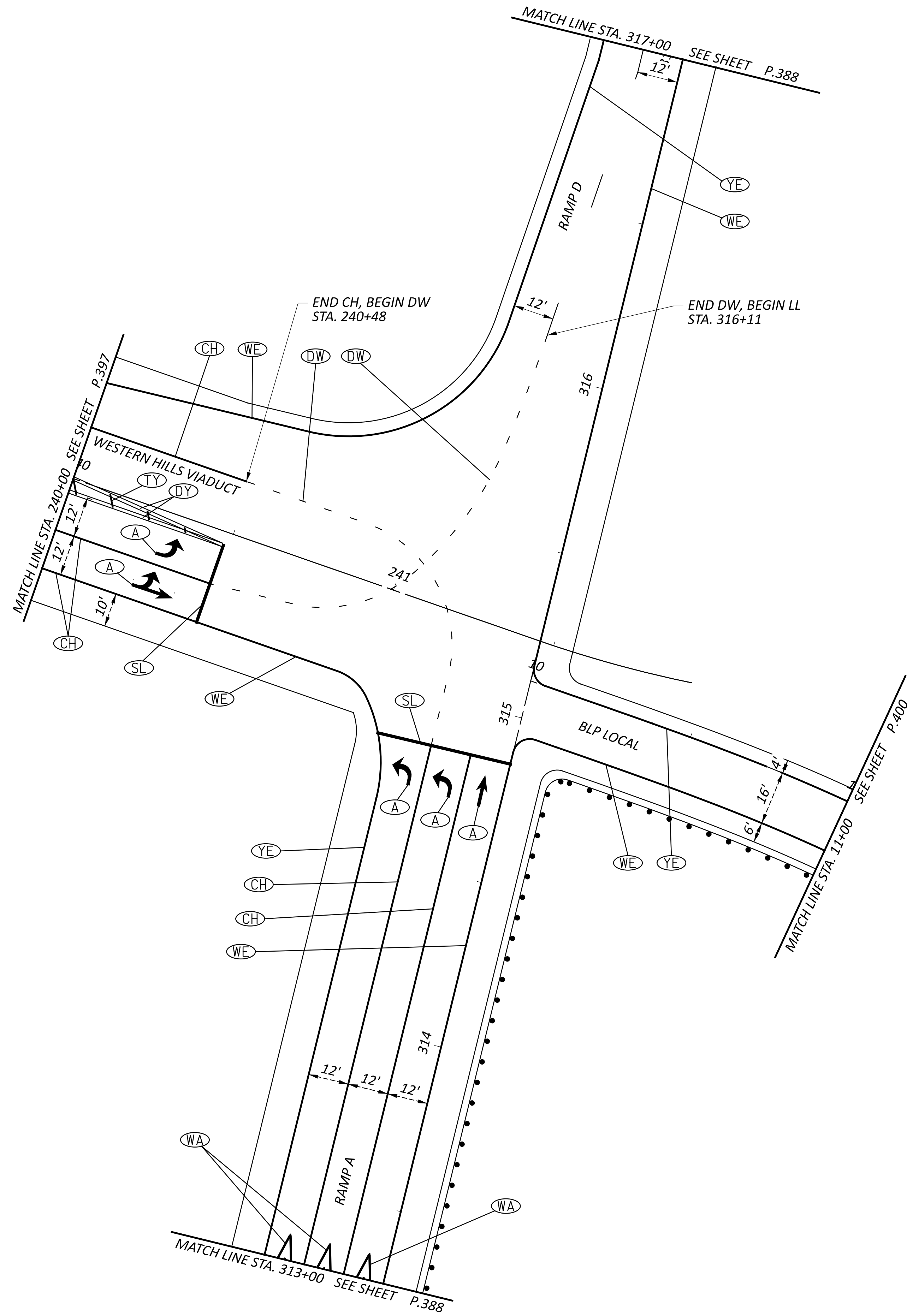


DESIGNER
 ANC

REVIEWER
 JAR 05-24-24

PROJECT ID
 114161

SHEET	TOTAL
P.397	463



SIGN AND PAVEMENT MARKING PLAN
 WESTERN HILLS VIADUCT STA. 240+00 TO 243+00

NOTES:
 SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.

DESIGN AGENCY

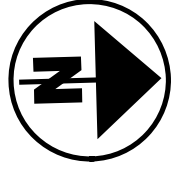
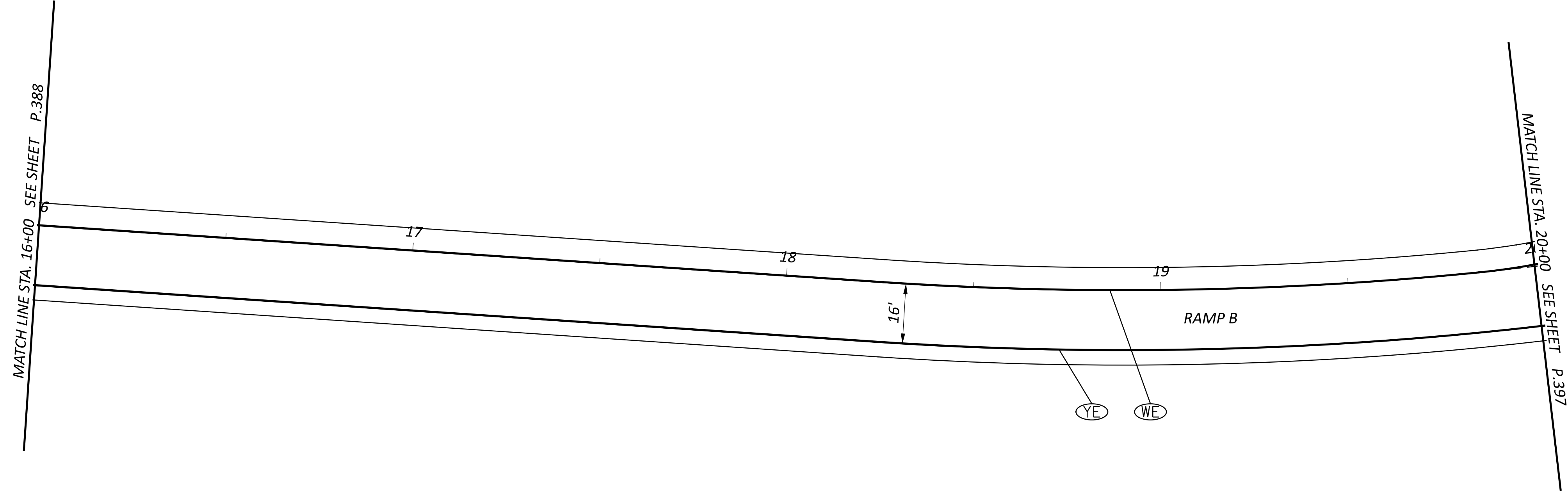


DESIGNER
 ANC

REVIEWER
 JAR 05-24-24

PROJECT ID
 114161

SHEET	TOTAL
P.398	463



NOTES:
SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.

SIGN AND PAVEMENT MARKING PLAN
RAMP B STA. 16+00 TO 20+00

DESIGN AGENCY



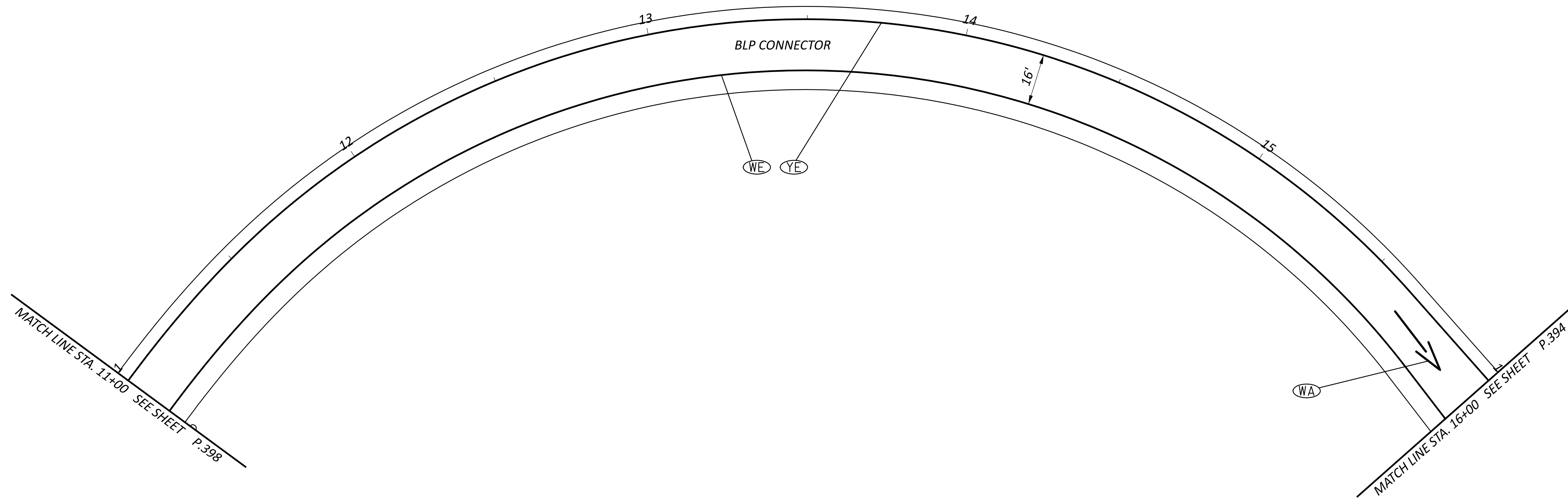
DESIGNER
ANC

REVIEWER
JAR 05-24-24

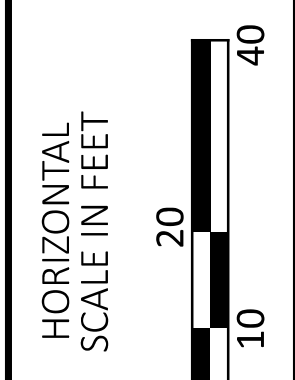
PROJECT ID
114161

SHEET TOTAL
P.399 463





NOTES:
SEE SHEET P.386 FOR SIGNING AND PAVEMENT MARKING LEGEND.



SIGN AND PAVEMENT MARKING PLAN
BLP CONNECTOR STA. 11+00 TO 16+00

DESIGN AGENCY



DESIGNER

ANC

REVIEWER

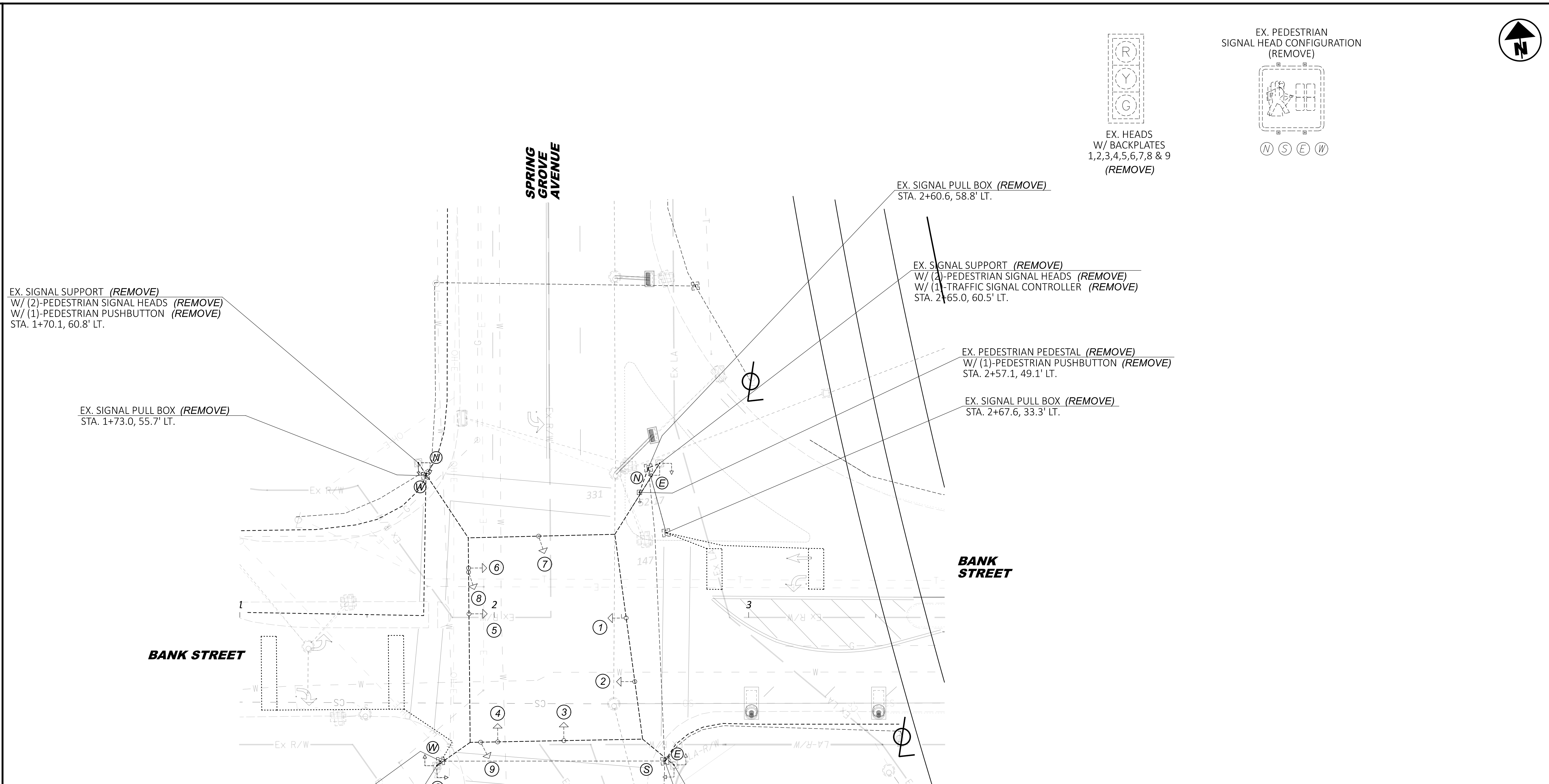
JAR 05-24-24

PROJECT ID

114161

SHEET TOTAL

P.400 463



EX. SIGNAL SUPPORT (REMOVE)
 W/ (2)-PEDESTRIAN SIGNAL HEADS (REMOVE)
 W/ (1)-PEDESTRIAN PUSHBUTTON (REMOVE)
 STA. 1+70.1, 60.8' LT.

EX. SIGNAL PULL BOX (REMOVE)
 STA. 1+73.0, 55.7' LT.

EX. SIGNAL PULL BOX (REMOVE)
 STA. 1+78.9, 56.5' RT.

EX. SIGNAL SUPPORT (REMOVE)
 W/ (2)-PEDESTRIAN SIGNAL HEADS (REMOVE)
 W/ (1)-PEDESTRIAN PUSHBUTTON (REMOVE)
 STA. 1+77.4, 58.3' RT.

EX. SIGNAL PULL BOX (REMOVE)
 STA. 2+60.6, 58.8' LT.

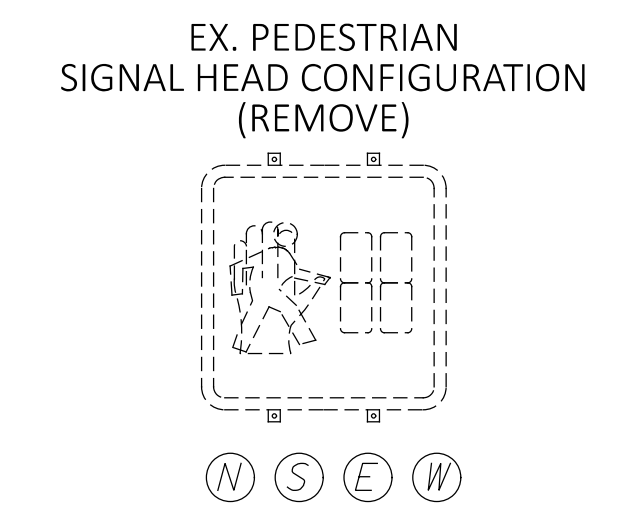
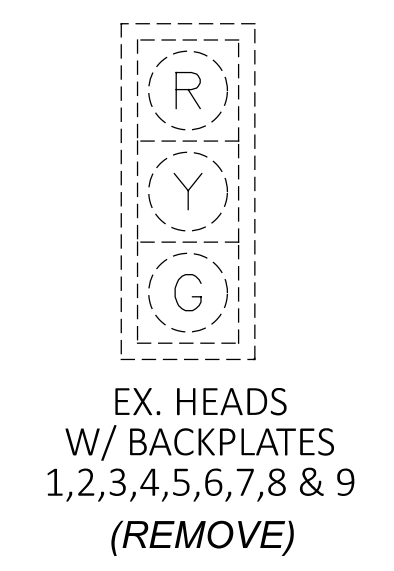
EX. SIGNAL SUPPORT (REMOVE)
 W/ (2)-PEDESTRIAN SIGNAL HEADS (REMOVE)
 W/ (1)-TRAFFIC SIGNAL CONTROLLER (REMOVE)
 STA. 2+65.0, 60.5' LT.

EX. PEDESTRIAN PEDESTAL (REMOVE)
 W/ (1)-PEDESTRIAN PUSHBUTTON (REMOVE)
 STA. 2+57.1, 49.1' LT.

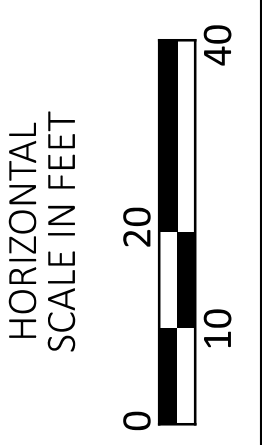
EX. SIGNAL PULL BOX (REMOVE)
 STA. 2+67.6, 33.3' LT.

EX. SIGNAL SUPPORT (REMOVE)
 W/ (2)-PEDESTRIAN SIGNAL HEADS (REMOVE)
 W/ (1)-PEDESTRIAN PUSHBUTTON (REMOVE)
 STA. 2+70.7, 58.0' RT.

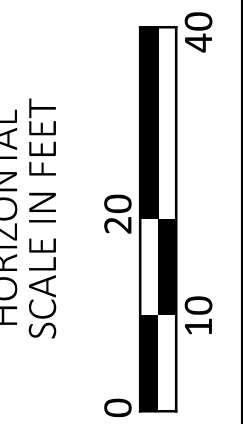
EX. SIGNAL PULL BOX (REMOVE)
 STA. 2+67.0, 56.5' RT.



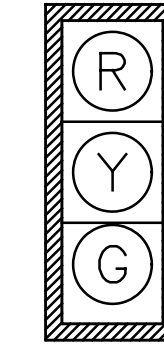
	PROP	EXIST		PROP	EXIST
TRAFFIC SIGNAL, 3 UNIT HEAD, 12"			PEDESTAL SUPPORT		
TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS			CONTROLLER CABINET W/UPS AND WORK PAD (TS-2)		
SIGNAL SUPPORT POLE			TRAFFIC PULL BOX		
PEDESTRIAN SIGNAL			STOPLINE RADAR DETECTION UNIT		
PEDESTRIAN PUSH BUTTON			DILEMMA ZONE RADAR DETECTION UNIT		
			DILEMMA ZONE		



TRAFFIC SIGNAL REMOVAL PLAN
 BANK STREET AT SPRING GROVE AVENUE/DALTON AVENUE



VEHICULAR TRAFFIC SIGNAL HEAD CONFIGURATION



12" HEADS
 W/ BACKPLATES
 2A, 2B, 2C, 2D, 4A, 4B, 4C,
 6A, 6B, 6C, 8A, 8B

POLE PS-1 PEDESTRIAN PEDESTAL, 11'
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 W/ (1)-PEDESTRIAN PUSHBUTTON
 W/ (1)-18" FORMED FOUNDATION TOP
 STA. 1+73.8, 63.4' LT.

POLE SP-1 SIGNAL SUPPORT
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 STA. 1+54.1, 44.0' LT.

POLE PS-3 PEDESTRIAN PEDESTAL, 11'
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 W/ (1)-PEDESTRIAN PUSHBUTTON
 STA. 2+70.9, 64.7' LT.

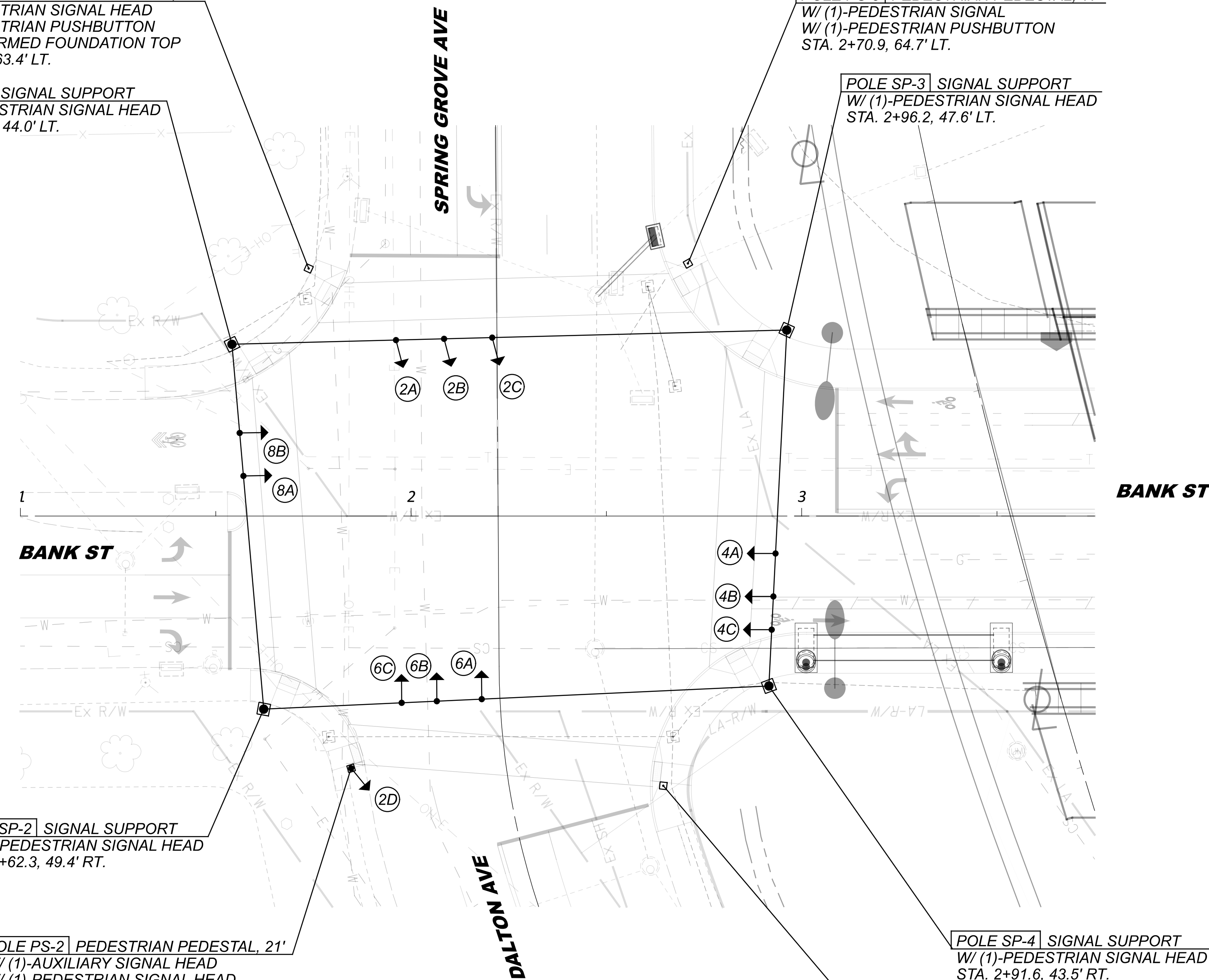
POLE SP-3 SIGNAL SUPPORT
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 STA. 2+96.2, 47.6' LT.

POLE SP-2 SIGNAL SUPPORT
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 STA. 1+62.3, 49.4' RT.

POLE PS-2 PEDESTRIAN PEDESTAL, 21'
 W/ (1)-AUXILIARY SIGNAL HEAD
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 W/ (1)-PEDESTRIAN PUSHBUTTON
 STA. 1+84.6, 64.6' RT.

POLE SP-4 SIGNAL SUPPORT
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 STA. 2+91.6, 43.5' RT.

POLE PS-4 PEDESTRIAN PEDESTAL, 11'
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 W/ (1)-PEDESTRIAN PUSHBUTTON
 STA. 2+64.6, 69.0' RT.



LEGEND

	PROP	EXIST		PROP	EXIST
TRAFFIC SIGNAL, 3 UNIT HEAD, 12"			PEDESTAL SUPPORT		
TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS			CONTROLLER CABINET W/UPS AND WORK PAD (TS-2)		
SIGNAL SUPPORT POLE			TRAFFIC PULL BOX		
PEDESTRIAN SIGNAL			STOPLINE RADAR DETECTION UNIT		
PEDESTRIAN PUSH BUTTON			DILEMMA ZONE RADAR DETECTION UNIT		
			DILEMMA ZONE		

TRAFFIC SIGNAL PLAN
 BANK STREET AT SPRING GROVE AVENUE/DALTON AVENUE

DESIGN AGENCY



DESIGNER

DRM

REVIEWER

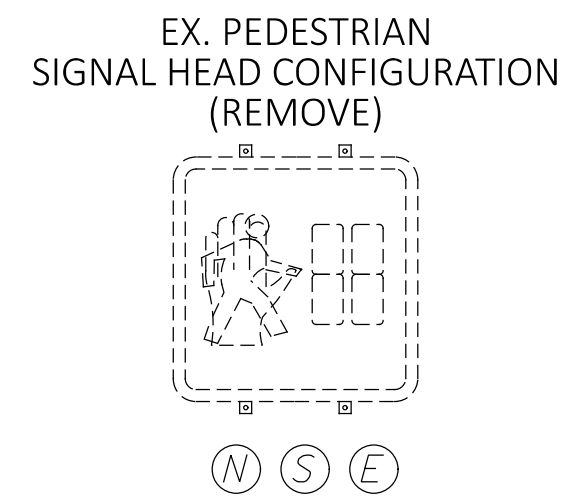
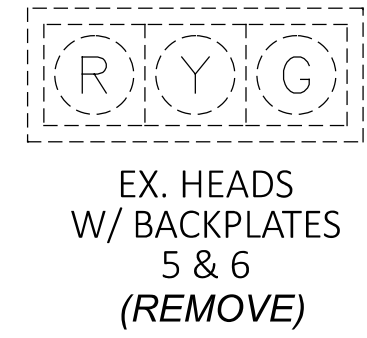
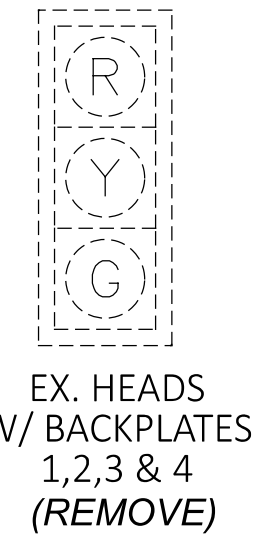
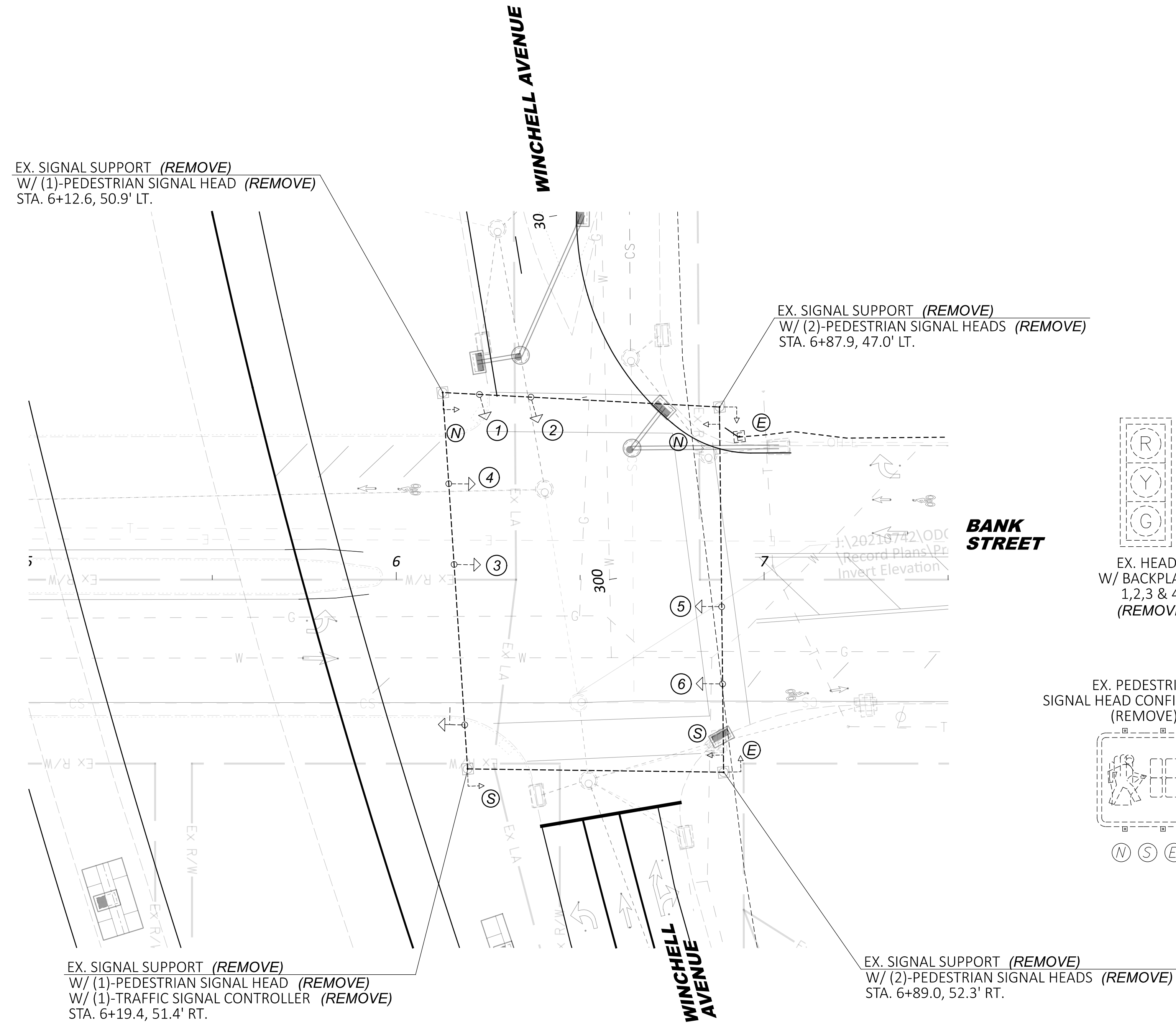
JDS 06-21-24

PROJECT ID

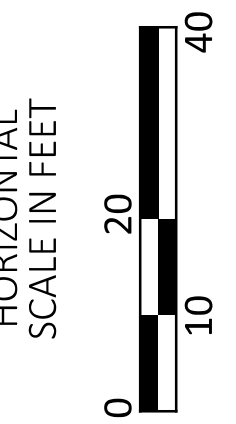
114161

SHEET TOTAL

P.402 463



		<u>LEGEND</u>				
		PROP	EXIST	PROP	EXIST	
TRAFFIC SIGNAL, 3 UNIT HEAD, 12"				PEDESTAL SUPPORT		
TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS				CONTROLLER CABINET W/UPS AND WORK PAD (TS-2)		
SIGNAL SUPPORT POLE				TRAFFIC PULL BOX		
PEDESTRIAN SIGNAL				STOPLINE RADAR DETECTION UNIT		
PEDESTRIAN PUSH BUTTON				DILEMMA ZONE RADAR DETECTION UNIT		
				DILEMMA ZONE		

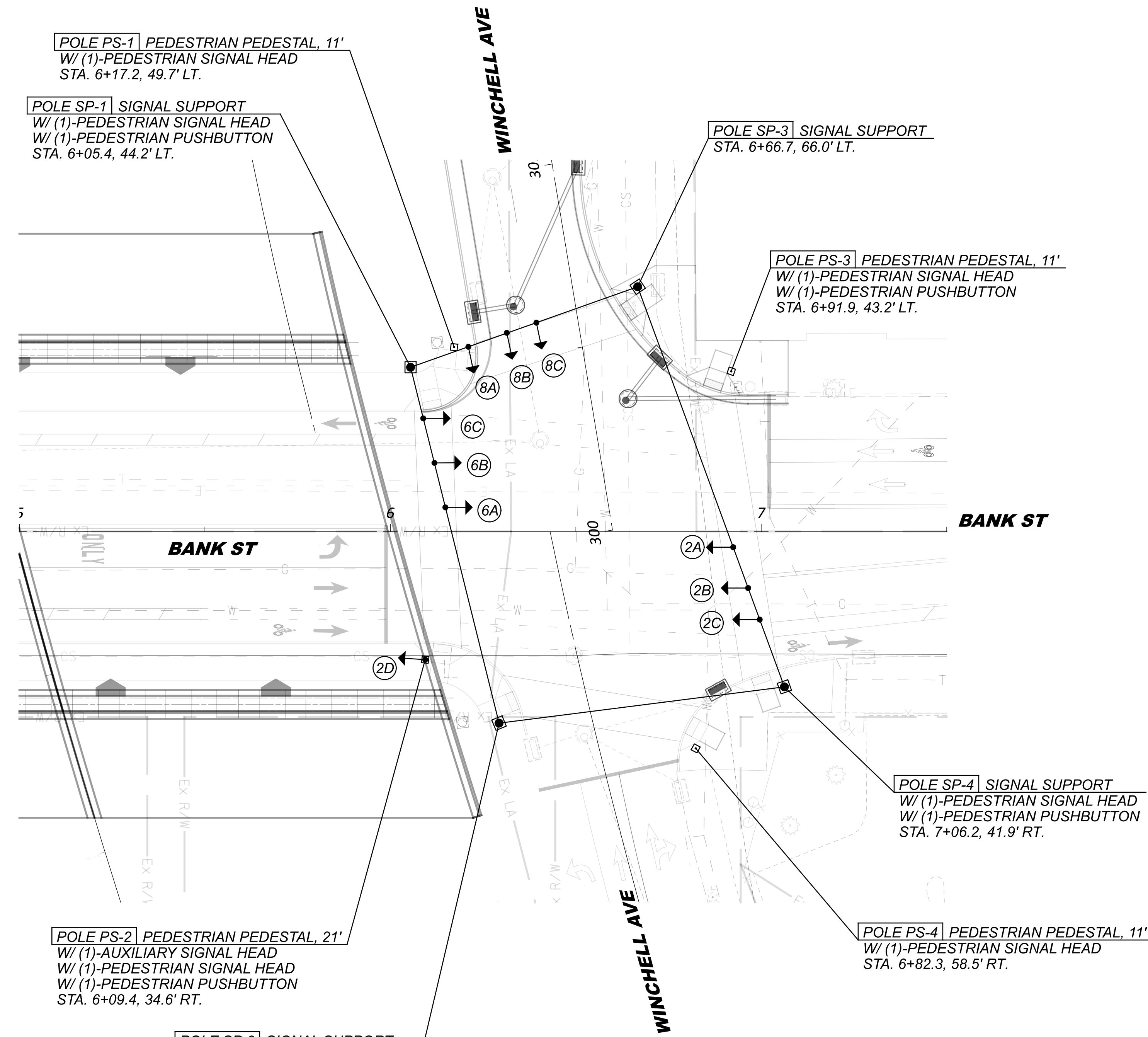


TRAFFIC SIGNAL REMOVAL PLAN
BANK STREET AT WINCHELL AVENUE

DESIGN AGENCY



DESIGNER
DRM
REVIEWER
JDS 06-21-24
PROJECT ID
114161
SHEET TOTAL
P.403 463



POLE PS-1 PEDESTRIAN PEDESTAL, 11'
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 STA. 6+17.2, 49.7' LT.

POLE SP-1 SIGNAL SUPPORT
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 W/ (1)-PEDESTRIAN PUSHBUTTON
 STA. 6+05.4, 44.2' LT.

POLE SP-3 SIGNAL SUPPORT
 STA. 6+66.7, 66.0' LT.

POLE PS-3 PEDESTRIAN PEDESTAL, 11'
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 W/ (1)-PEDESTRIAN PUSHBUTTON
 STA. 6+91.9, 43.2' LT.

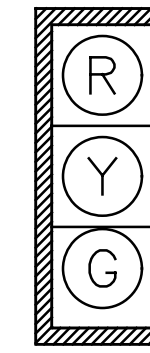
POLE SP-4 SIGNAL SUPPORT
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 W/ (1)-PEDESTRIAN PUSHBUTTON
 STA. 7+06.2, 41.9' RT.

POLE PS-2 PEDESTRIAN PEDESTAL, 21'
 W/ (1)-AUXILIARY SIGNAL HEAD
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 W/ (1)-PEDESTRIAN PUSHBUTTON
 STA. 6+09.4, 34.6' RT.

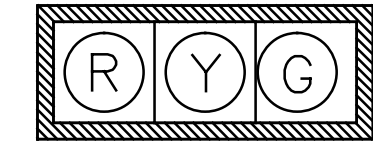
POLE SP-2 SIGNAL SUPPORT
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 STA. 6+29.3, 51.7' RT.

POLE PS-4 PEDESTRIAN PEDESTAL, 11'
 W/ (1)-PEDESTRIAN SIGNAL HEAD
 STA. 6+82.3, 58.5' RT.

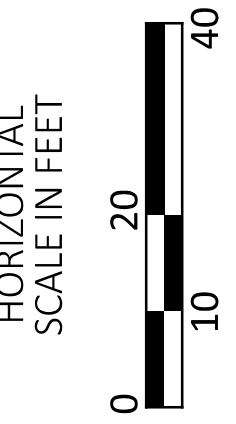
VEHICULAR TRAFFIC SIGNAL
 HEAD CONFIGURATION



12" HEADS
 W/ BACKPLATES
 2A, 2D, 6A, 6B,
 6C, 8A, 8B, 8C



12" HEADS
 W/ BACKPLATES
 2A, 2B, 2C



TRAFFIC SIGNAL PLAN
 BANK STREET AT WINCHELL AVENUE

		LEGEND				
		PROP	EXIST	PROP	EXIST	
TRAFFIC SIGNAL, 3 UNIT HEAD, 12"				PEDESTAL SUPPORT		
TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS				CONTROLLER CABINET W/UPS AND WORK PAD (TS-2)		
SIGNAL SUPPORT POLE				TRAFFIC PULL BOX		
PEDESTRIAN SIGNAL				STOPLINE RADAR DETECTION UNIT		
PEDESTRIAN PUSH BUTTON				DILEMMA ZONE RADAR DETECTION UNIT		
				DILEMMA ZONE		

DESIGN AGENCY



DESIGNER

DRM

REVIEWER

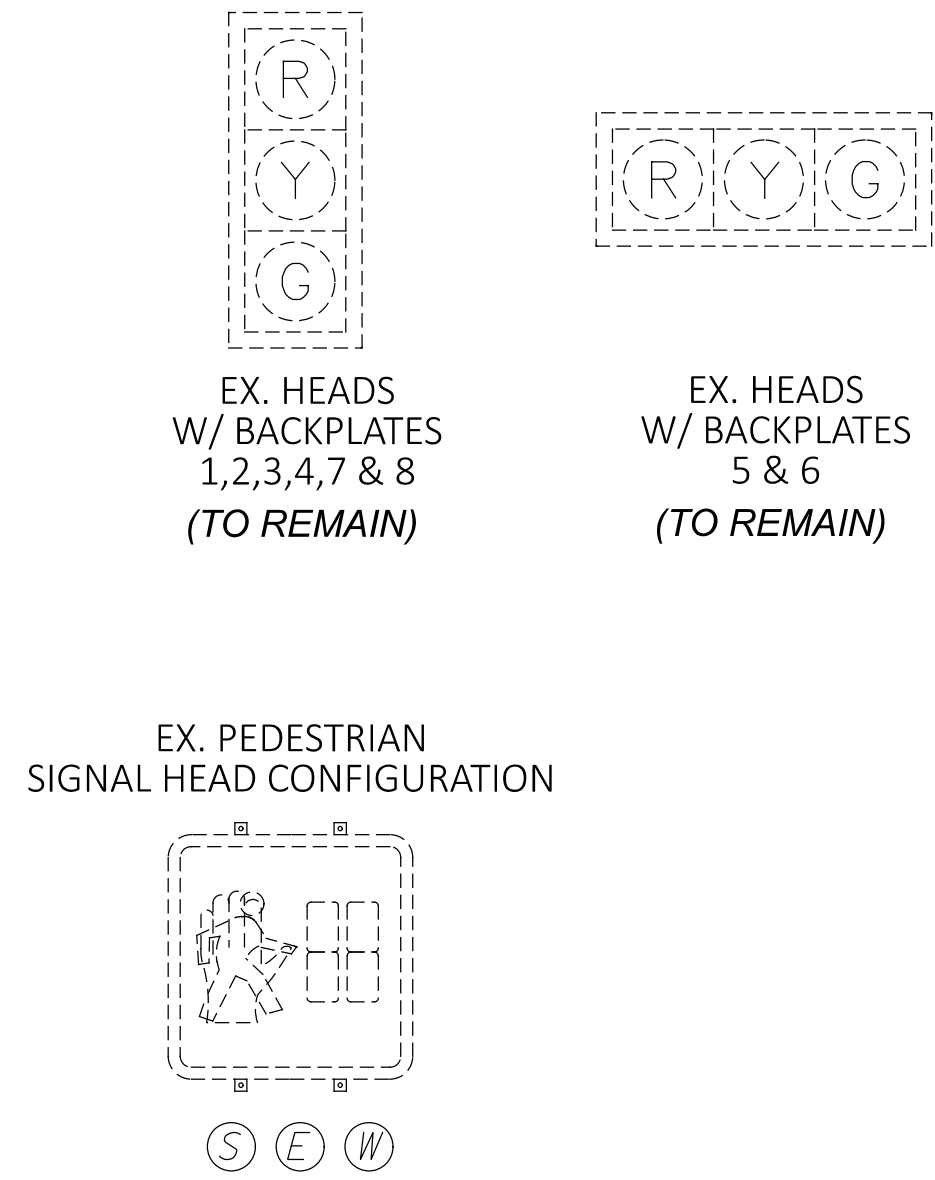
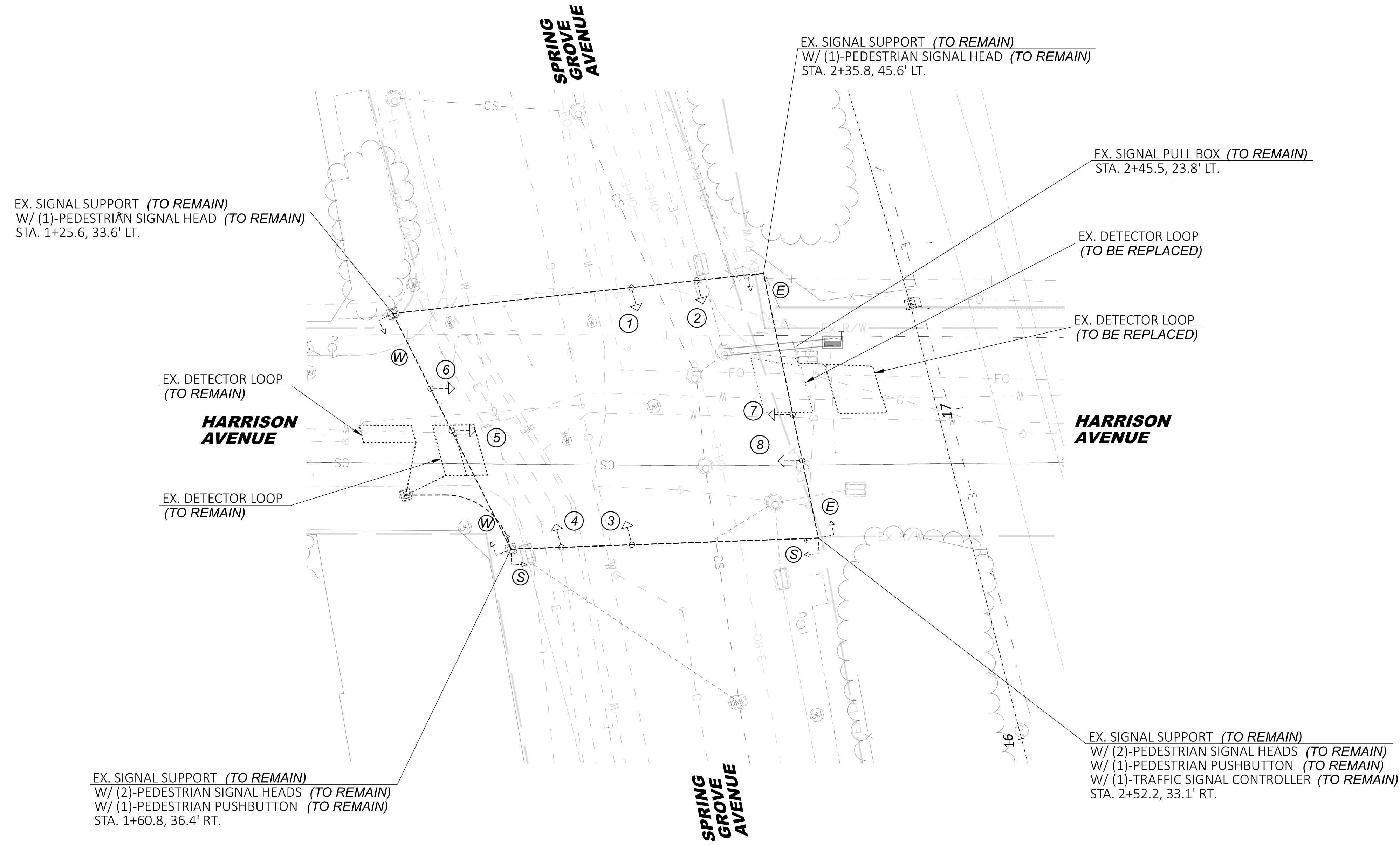
JDS 06-21-24

PROJECT ID

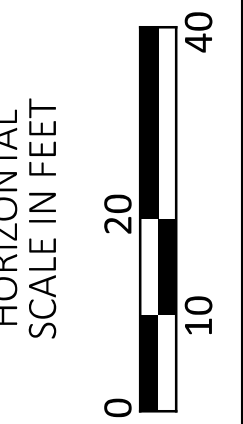
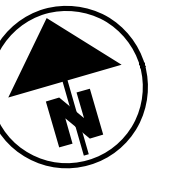
114161

SHEET TOTAL

P.404 463



		LEGEND			
	PROP	EXIST		PROP	EXIST
TRAFFIC SIGNAL, 3 UNIT HEAD, 12"			PEDESTAL SUPPORT		
TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS			CONTROLLER CABINET W/UPS AND WORK PAD (TS-2)		
SIGNAL SUPPORT POLE			TRAFFIC PULL BOX		
PEDESTRIAN SIGNAL			STOPLINE RADAR DETECTION UNIT		
PEDESTRIAN PUSH BUTTON			DILEMMA ZONE RADAR DETECTION UNIT		
			DILEMMA ZONE		

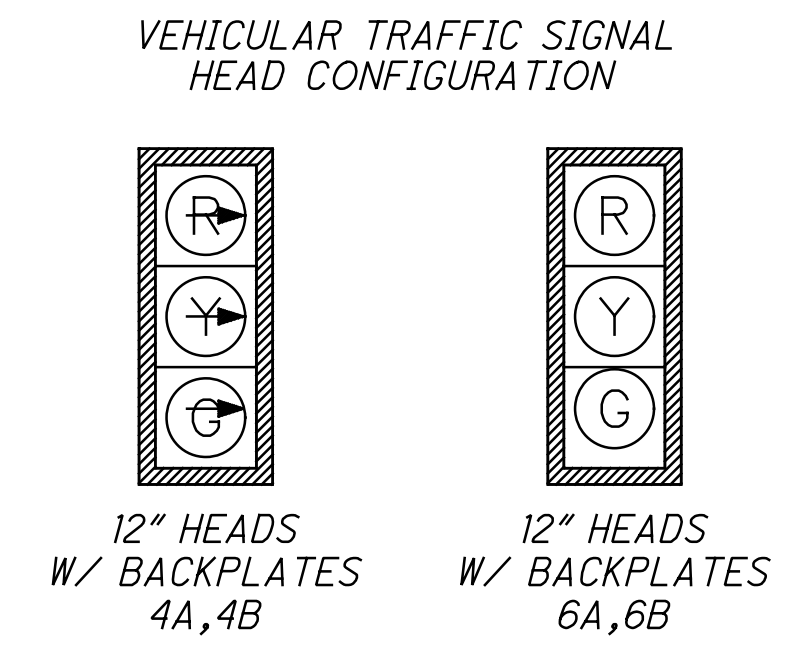
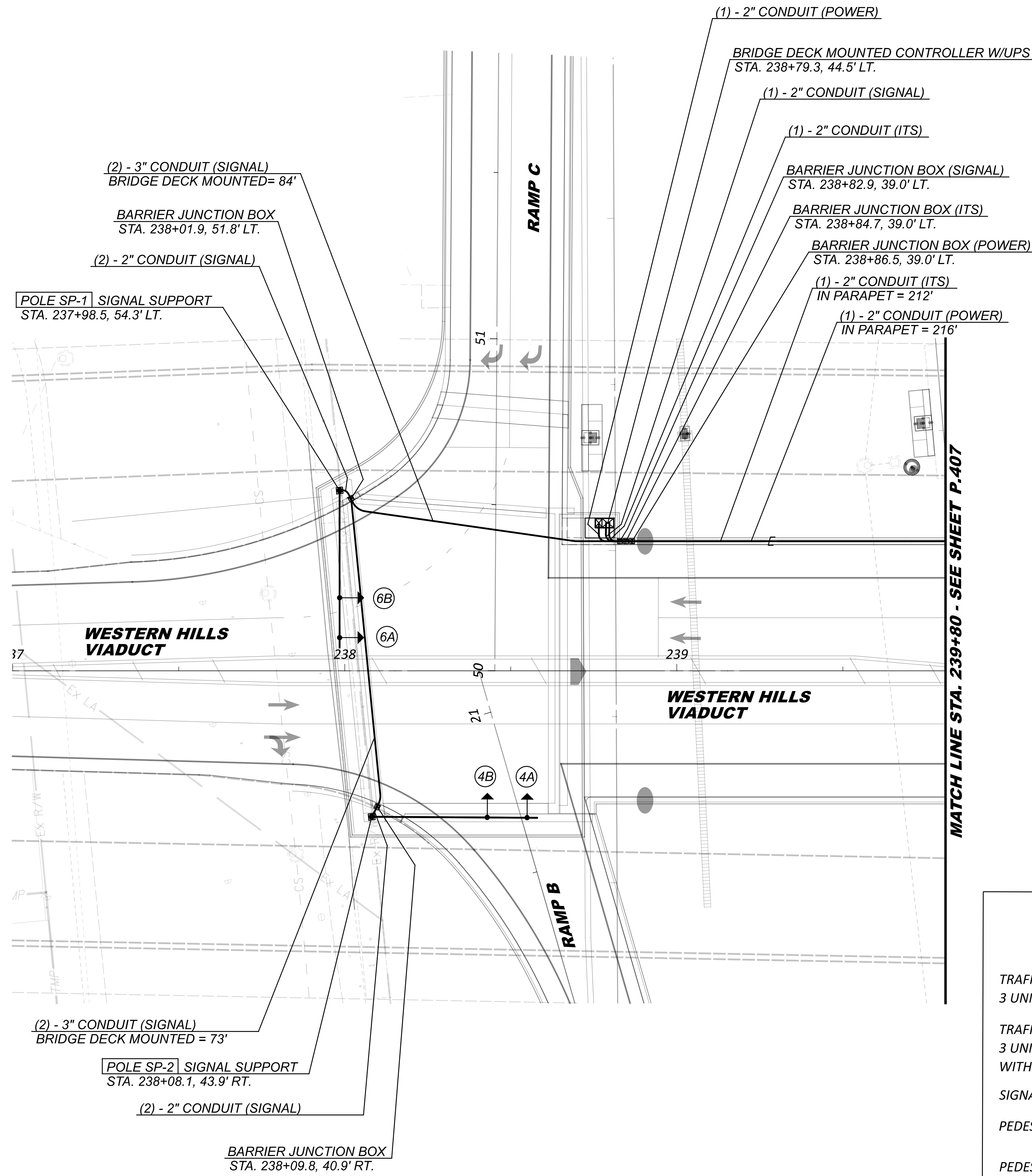


TRAFFIC SIGNAL PLAN
 HARRISON AVENUE AT SPRING GROVE AVENUE

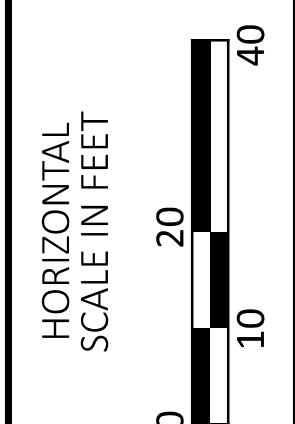
DESIGN AGENCY



DESIGNER
 DRM
 REVIEWER
 JDS 06-21-24
 PROJECT ID
 114161
 SHEET TOTAL
 P.405 463



		LEGEND			
	PROP	EXIST		PROP	EXIST
TRAFFIC SIGNAL, 3 UNIT HEAD, 12"			PEDESTAL SUPPORT		
TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS			CONTROLLER CABINET W/UPS AND WORK PAD (TS-2)		
SIGNAL SUPPORT POLE			TRAFFIC PULL BOX		
PEDESTRIAN SIGNAL			STOPLINE RADAR DETECTION UNIT		
PEDESTRIAN PUSH BUTTON			DILEMMA ZONE RADAR DETECTION UNIT		
			DILEMMA ZONE		



TRAFFIC SIGNAL PLAN
 WESTERN HILLS VIADUCT AT I-75 SOUTHBOUND RAMPS

DESIGN AGENCY

 DESIGNER
 DRM
 REVIEWER
 JDS 06-21-24
 PROJECT ID
 114161
 SHEET TOTAL
 P.406 463

MATCH LINE STA. 239+80 - SEE SHEET P.406

BARRIER JUNCTION BOX (POWER)
 STA. 315+89.8, 45.5' LT.
 BARRIER JUNCTION BOX (ITS)
 STA. 315+85.4, 49.3' LT.

(1) - 2" CONDUIT (ITS)
 IN PARAPET = 212'

(1) - 2" CONDUIT (POWER)
 IN PARAPET = 216'

WESTERN HILLS VIADUCT

RAMP D

RAMP D

RAMP C

(1) - 2" CONDUIT (POWER)
 ENCASED IN TRENCH = 73'

(1) - 2" CONDUIT (ITS)
 IN TRENCH = 75'

PULL BOX, 725.06 (12" x 18")
 STA. 315+69.0, 24.1' RT.

POLE SP-1 | SIGNAL SUPPORT
 STA. 315+62.5, 31.5' RT.

(1) - 2" CONDUIT (POWER)
 ENCASED IN TRENCH = 29'

(2) - 2" CONDUIT
 IN TRENCH = 8'

PULL BOX, 32"
 STA. 315+57.0, 26.8' RT.

POWER SERVICE FEED.
 POWER SOURCE IS UNDER INVESTIGATION AND
 WILL BE IDENTIFIED IN THE NEXT SUBMITTAL

POWER SERVICE METER AND DISCONNECT SWITCH
 STA. 315+52.6, 43.0' RT.

(1) - 2" CONDUIT (POWER)
 IN TRENCH = 24'

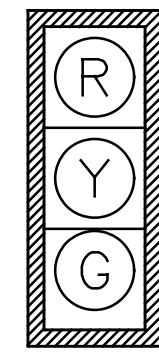
(2) - 2" CONDUIT
 (2) - 3" CONDUIT
 IN TRENCH = 9'

GROUND MOUNTED CONTROLLER W/ UPS
 STA. 315+52.6, 19.6' RT.

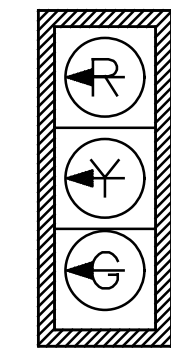
(2) - 2" CONDUIT
 IN TRENCH = 25'

POLE SP-2 | SIGNAL SUPPORT
 STA. 315+32.5, 31.5' RT.

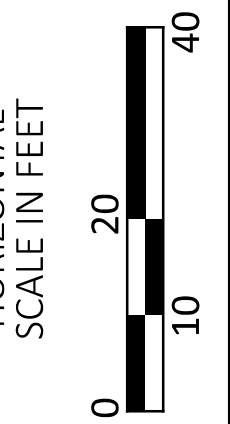
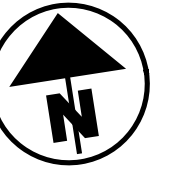
VEHICULAR TRAFFIC SIGNAL
 HEAD CONFIGURATION



12" HEADS
 W/ BACKPLATES
 2A, 2B, 8C, 8D



12" HEADS
 W/ BACKPLATES
 8A, 8B



TRAFFIC SIGNAL PLAN
 WESTERN HILLS VIADUCT AT I-75 NORTHBOUND RAMPS

LEGEND					
	PROP	EXIST		PROP	EXIST
TRAFFIC SIGNAL, 3 UNIT HEAD, 12"			PEDESTAL SUPPORT		
TRAFFIC SIGNAL, 3 UNIT HEAT, 12" WITH ARROWS			CONTROLLER CABINET W/UPS AND WORK PAD (TS-2)		
SIGNAL SUPPORT POLE			TRAFFIC PULL BOX		
PEDESTRIAN SIGNAL			STOPLINE RADAR DETECTION UNIT		
PEDESTRIAN PUSH BUTTON			DILEMMA ZONE RADAR DETECTION UNIT		
			DILEMMA ZONE		

DESIGN AGENCY



DESIGNER

DRM

REVIEWER

JDS 06-21-24

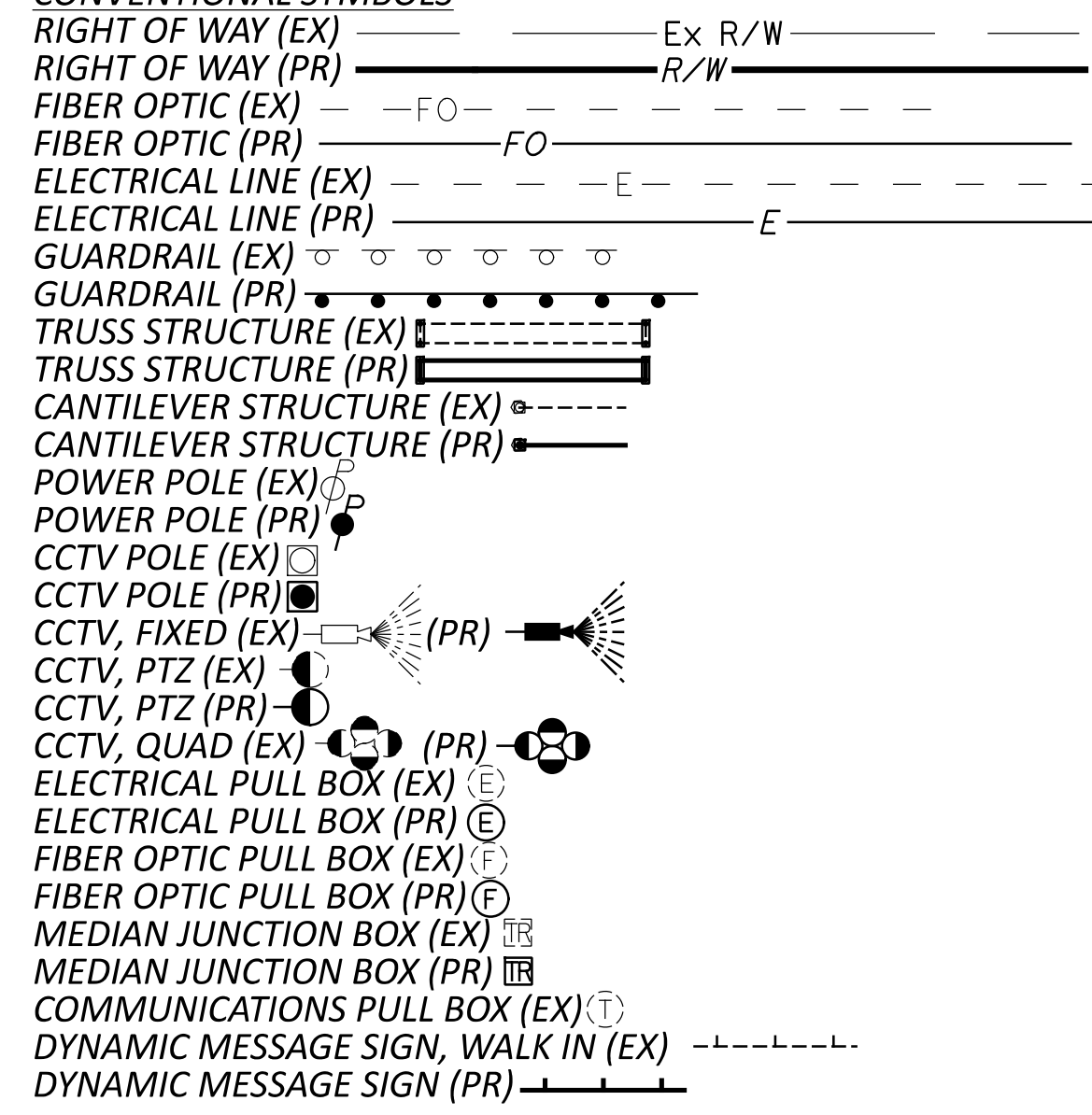
PROJECT ID

114161

SHEET TOTAL

P.407 463

CONVENTIONAL SYMBOLS



ABBREVIATIONS

CCTV = CLOSED CIRCUIT TELEVISION CAMERA
 DMS = DYNAMIC MESSAGE SIGN
 DND = DO NOT DISTURB
 EX = EXISTING
 FA = FRONT ACCESS
 FOC = FIBER OPTIC CABLE
 ODOT = OHIO DEPARTMENT OF TRANSPORTATION
 PR = PROPOSED
 PTZ = PAN TILT ZOOM
 TBR = TO BE REMOVED
 VSL = VARIABLE SPEED LIMIT

DESIGNER NOTES

1. MAINTENANCE PULLOVER AREAS HAVE NOT BEEN INCLUDED WITHIN STAGE 1 DESIGN. DESIGN OF MAINTENANCE PULLOVER AREAS WILL BE INCLUDED IN STAGE 2 DESIGN PENDING ODOT APPROVAL OF EACH ITS DEVICE SITE LOCATION.
2. ROADSIDE PROTECTION FOR THE PROPOSED ITS DEVICES HAVE NOT BEEN INCLUDED WITHIN STAGE 1 DESIGN. ROADSIDE PROTECTION WILL BE PART OF THE STAGE 2 DESIGN EFFORT PENDING ODOT APPROVAL OF EACH ITS DEVICE SITE LOCATION.
3. ITS CABINETS FOR NEW ITS DEVICES HAVE NOT BEEN SHOWN IN STAGE 1 DESIGN. ITS CABINET DESIGN WILL BE PART OF THE STAGE 2 DESIGN EFFORT PENDING ODOT APPROVAL OF EACH ITS DEVICE SITE LOCATION.

DESIGN AGENCY



DESIGNER

CRT

REVIEWER

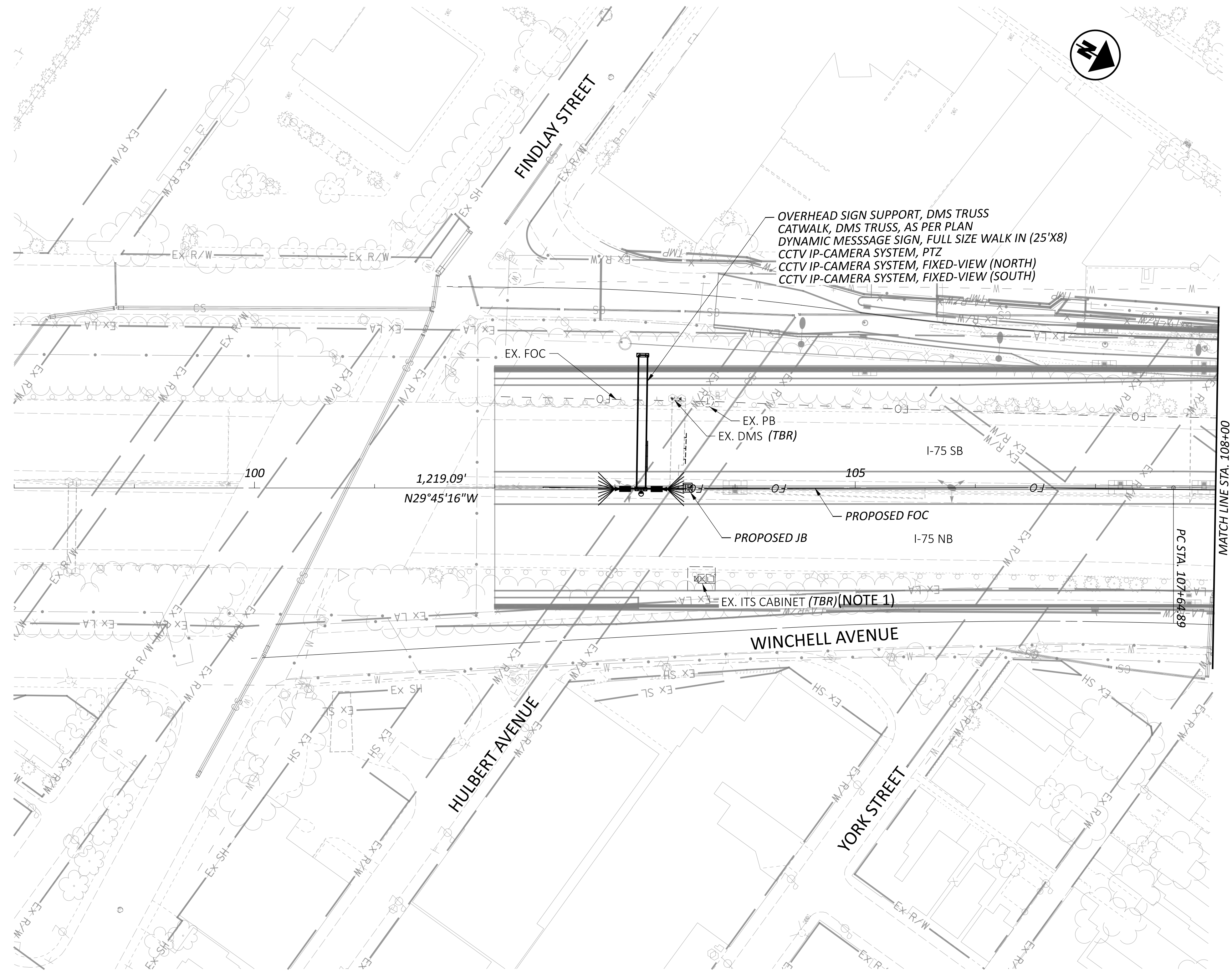
AMB 5/17/24

PROJECT ID

114161

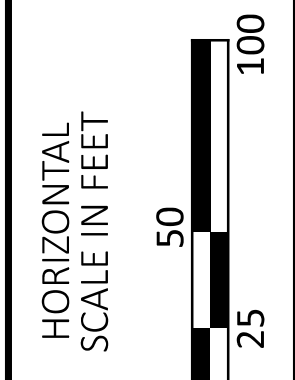
SHEET TOTAL

P.408 463



NOTES

1. EXISTING ITS CABINET TO BE IMPACTED BY ROADWAY WIDENING ACTIVITIES. ITS CABINET TO BE LOCATED DURING STAGE 2 DESIGN PENDING ODOT APPROVAL OF ITS SITE LOCATION.
2. COORDINATION WITH ODOT WILL BE REQUIRED TO DEVELOP A FIBER OPTIC TIE-IN LOCATION AT THE PROJECT LIMIT.

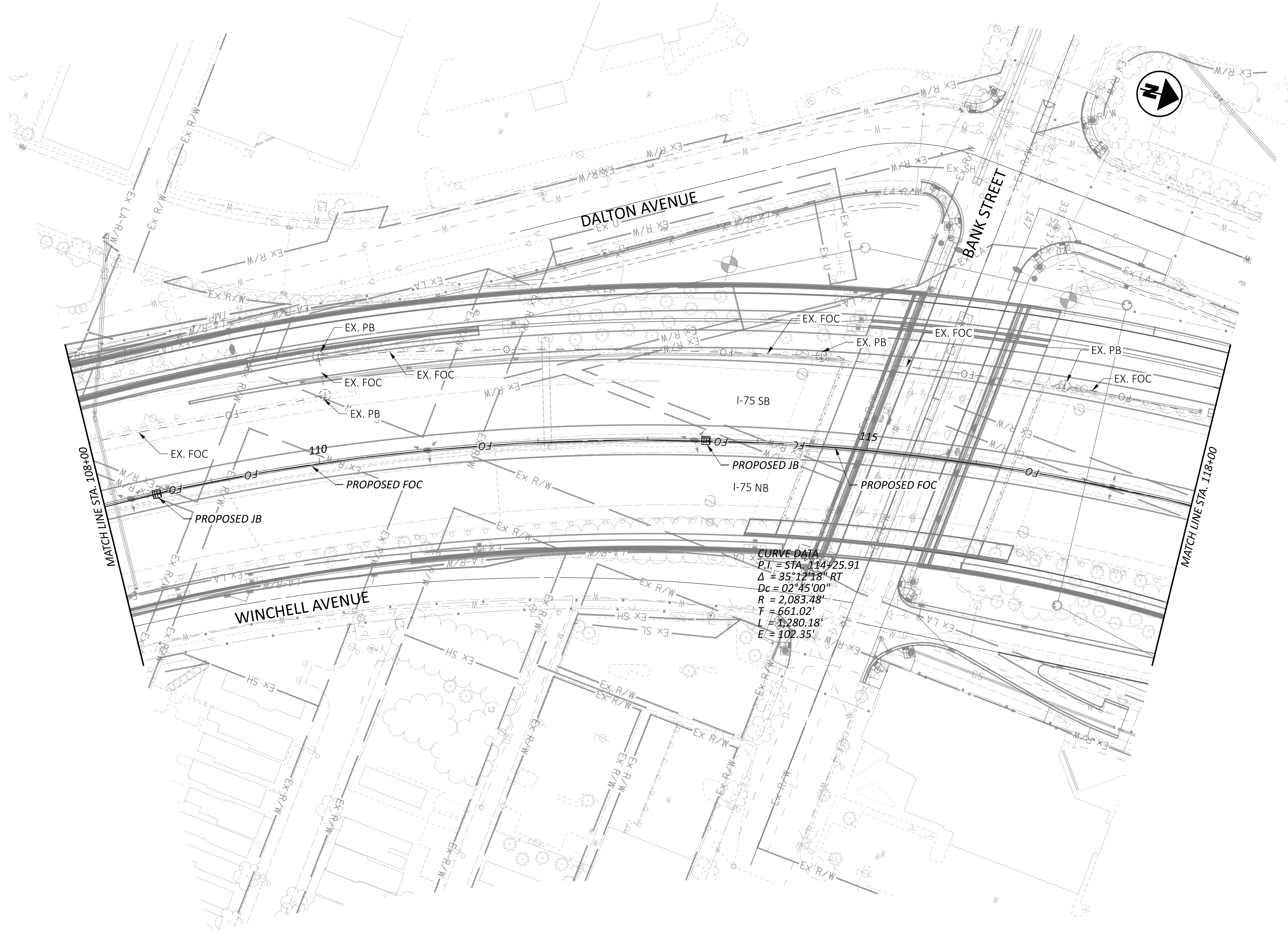


ITS PLAN - I-75
 STA 98+00.00 TO STA 108+00.00

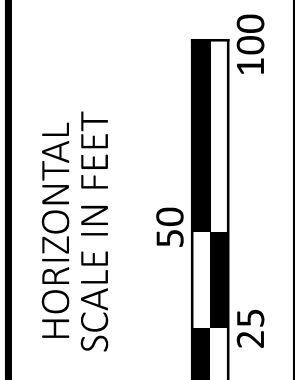
DESIGN AGENCY



DESIGNER	CRT
REVIEWER	AMB 5/17/24
PROJECT ID	114161
SHEET TOTAL	P.409 463

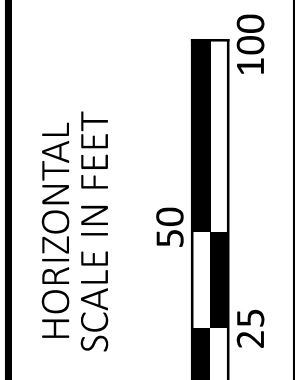
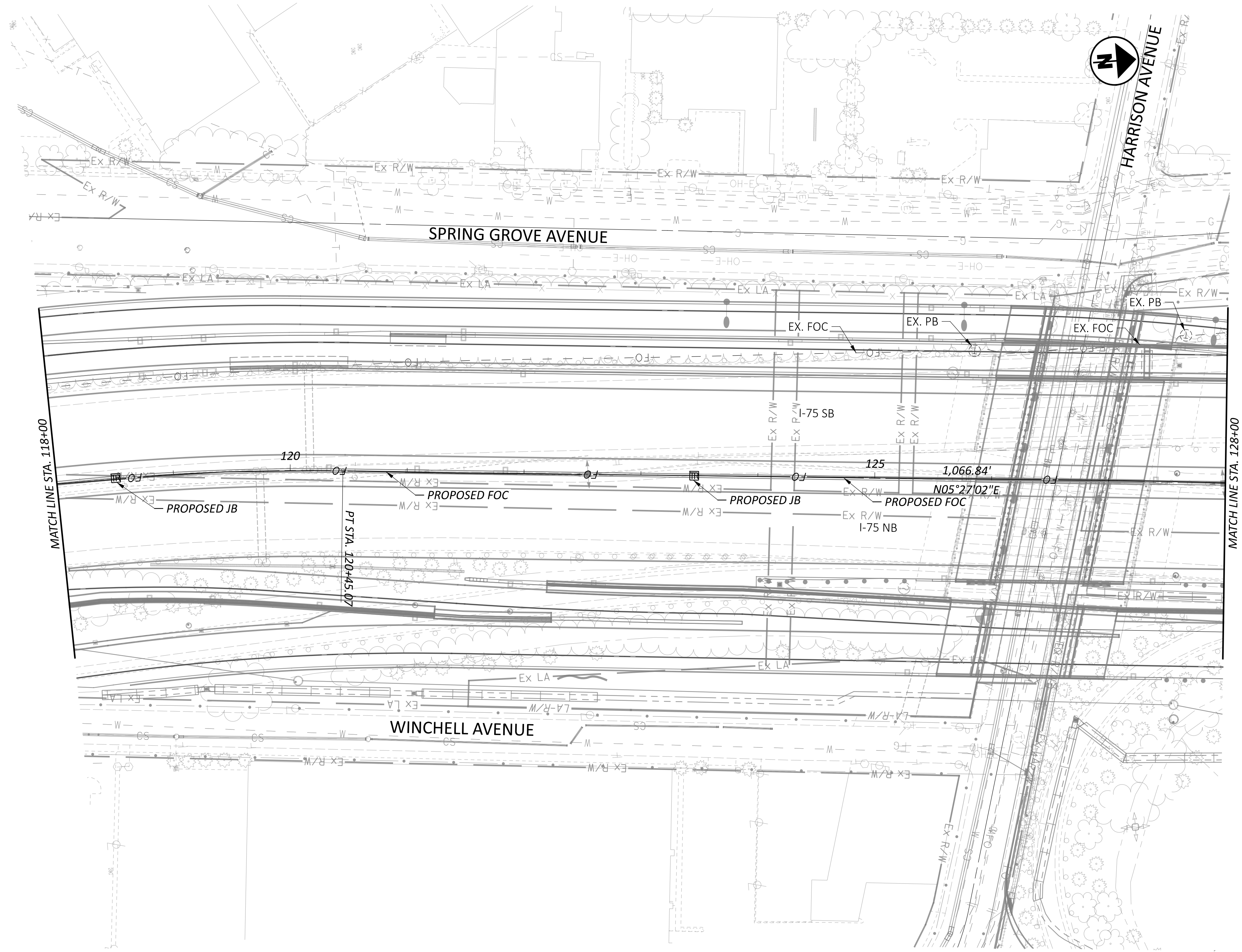


CURVE DATA
 P.T. = STA. 114+25.91
 $\Delta = 35^{\circ}12'18''$ RT
 $D_c = 02^{\circ}45'00''$
 $R = 2,083.48'$
 $T = 661.02'$
 $L = 1,280.18'$
 $E = 102.35'$



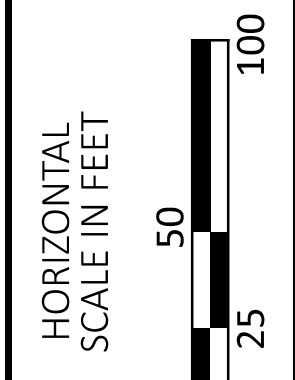
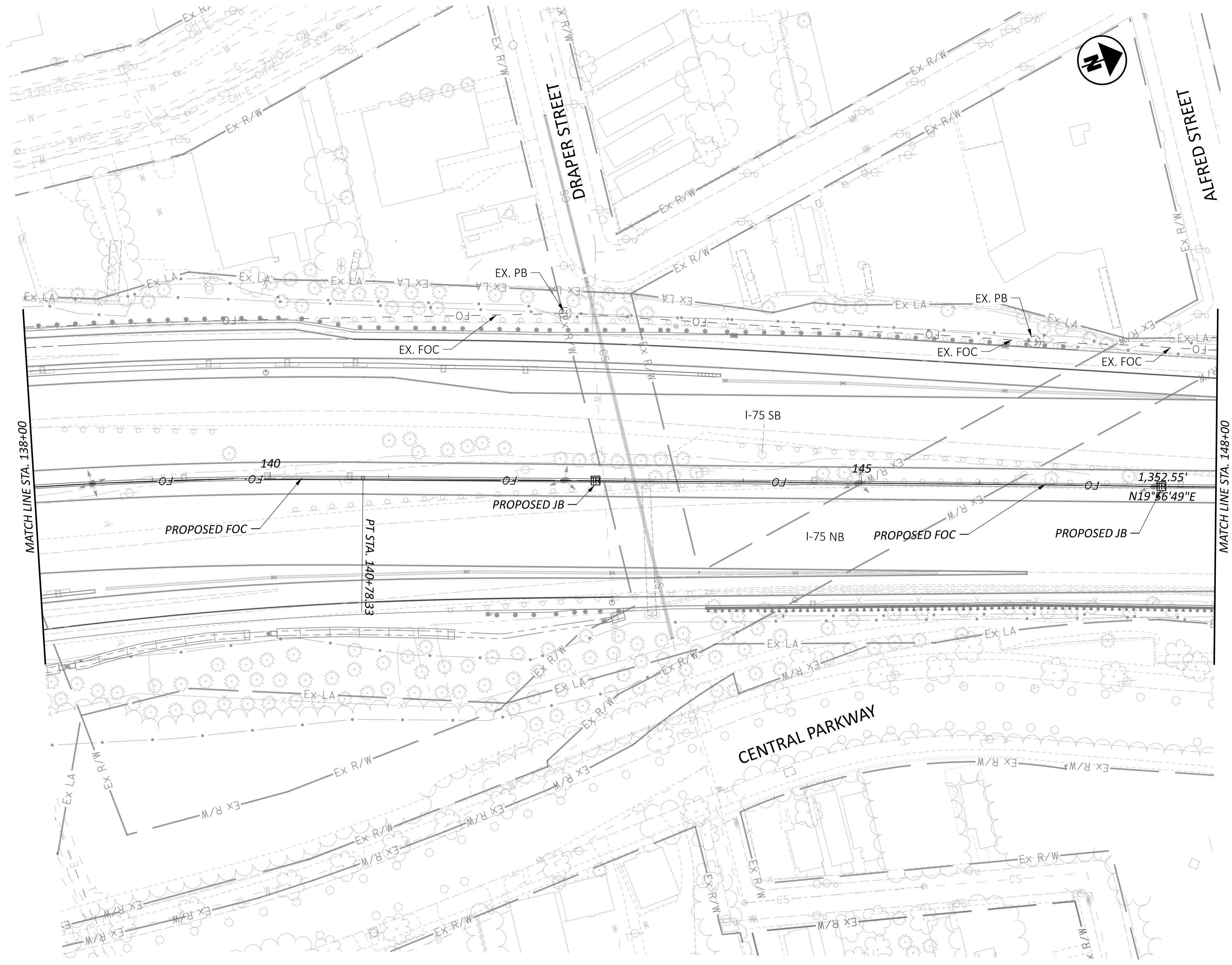
ITS PLAN - I-75
 STA 108+00.00 TO STA 118+00.00

DESIGN AGENCY	
GANNETT FLEMING	
DESIGNER	CRT
REVIEWER	AMB 5/17/24
PROJECT ID	114161
SHEET	TOTAL
P.410	463



ITS PLAN - I-75
STA 118+00.00 TO STA 128+00.00

DESIGN AGENCY	
GANNETT FLEMING	
DESIGNER	
CRT	
REVIEWER	
AMB 5/17/24	
PROJECT ID	
114161	
SHEET	TOTAL
P.411	463

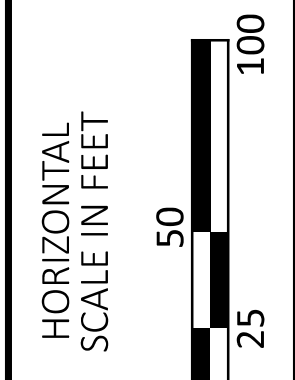
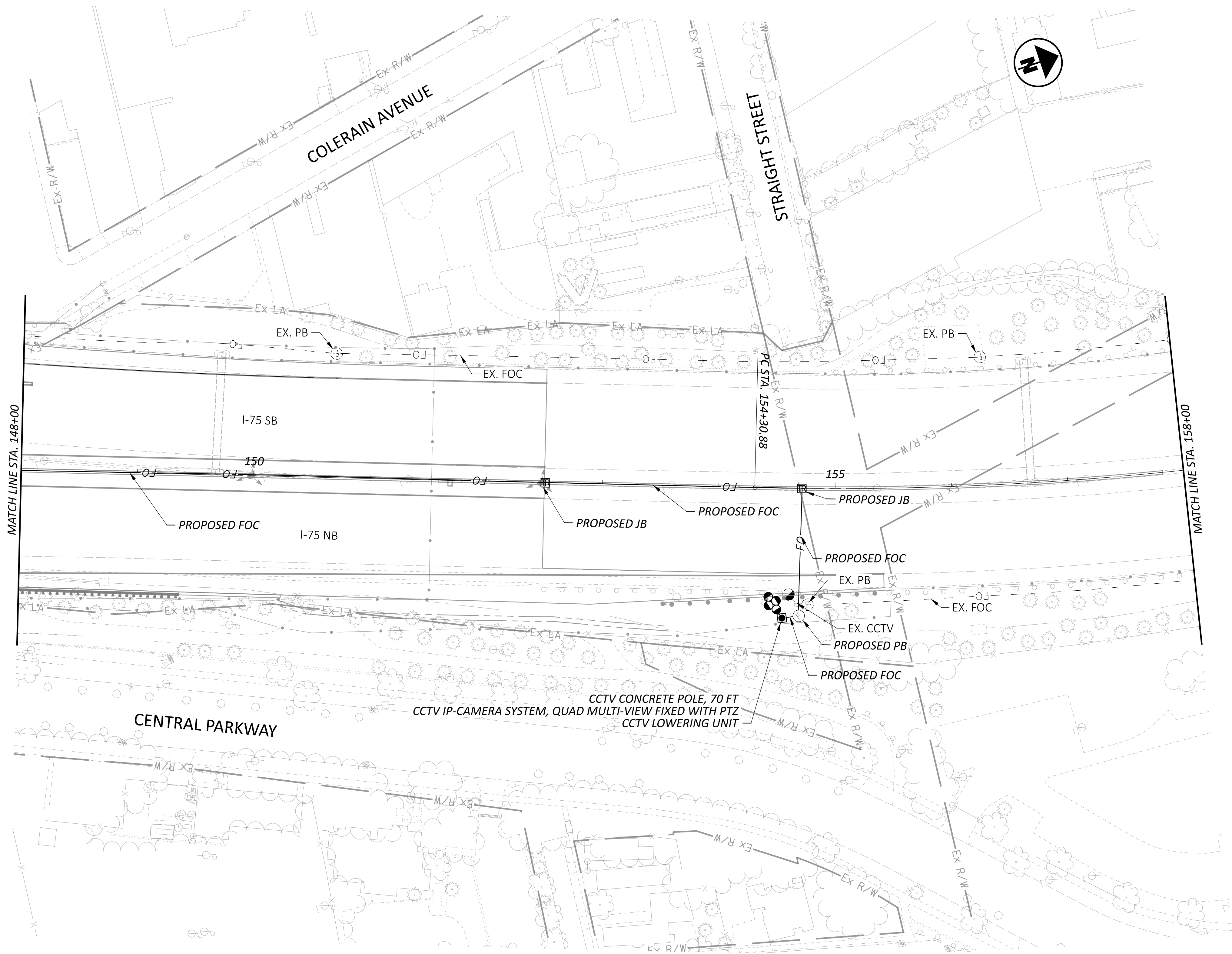


ITS PLAN - I-75
STA 138+00.00 TO STA 148+00.00

DESIGN AGENCY	
GANNETT FLEMING	
DESIGNER	
CRT	
REVIEWER	
AMB 5/17/24	
PROJECT ID	
114161	
SHEET	TOTAL
P.413	463

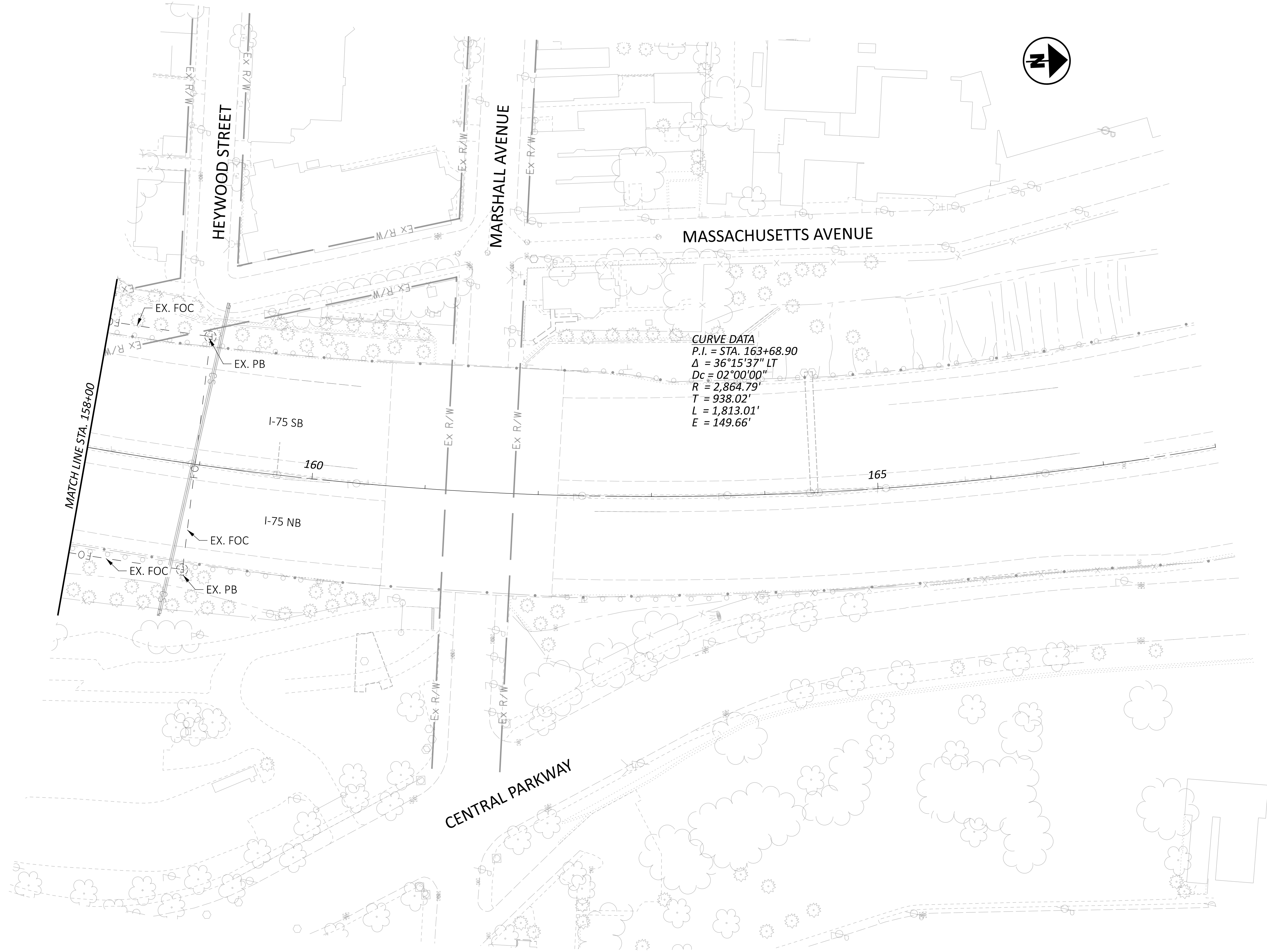
NOTES

1. ODOT COORDINATION WILL BE REQUIRED TO DEVELOP A FIBER OPTIC TIE-IN LOCATION AT THE PROJECT LIMIT.



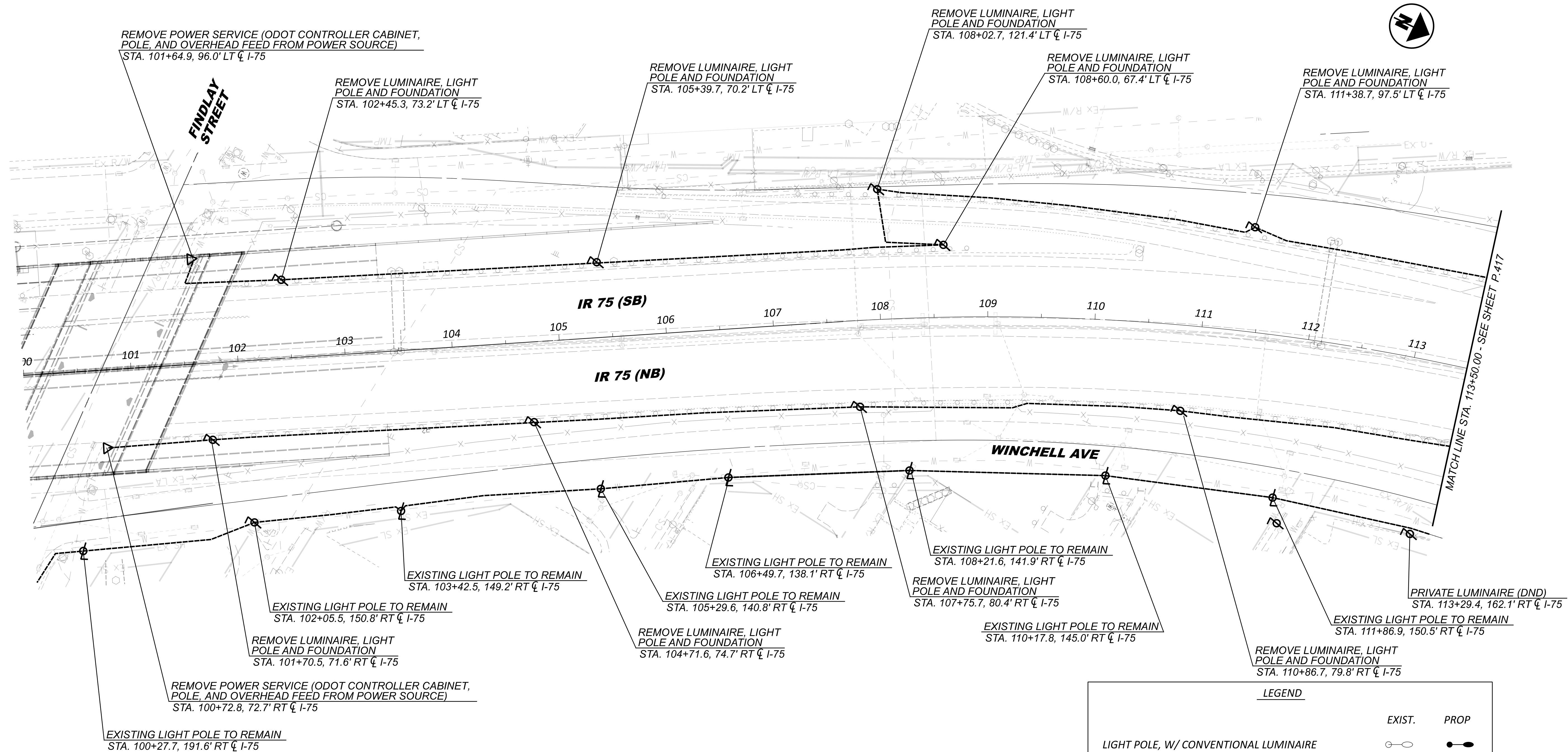
ITS PLAN - I-75
STA 148+00.00 TO STA 158+00.00

DESIGN AGENCY	
GANNETT FLEMING	
DESIGNER	CRT
REVIEWER	AMB 5/17/24
PROJECT ID	114161
SHEET	TOTAL
P.414	463



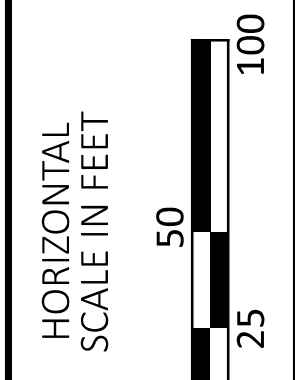
DESIGN AGENCY	
GANNETT FLEMING	
DESIGNER	
CRT	
REVIEWER	
AMB 5/17/24	
PROJECT ID	
114161	
SHEET	TOTAL
P.415	463

ITS PLAN - I-75
 STA 158+00.00 TO STA 168+00.00



LEGEND

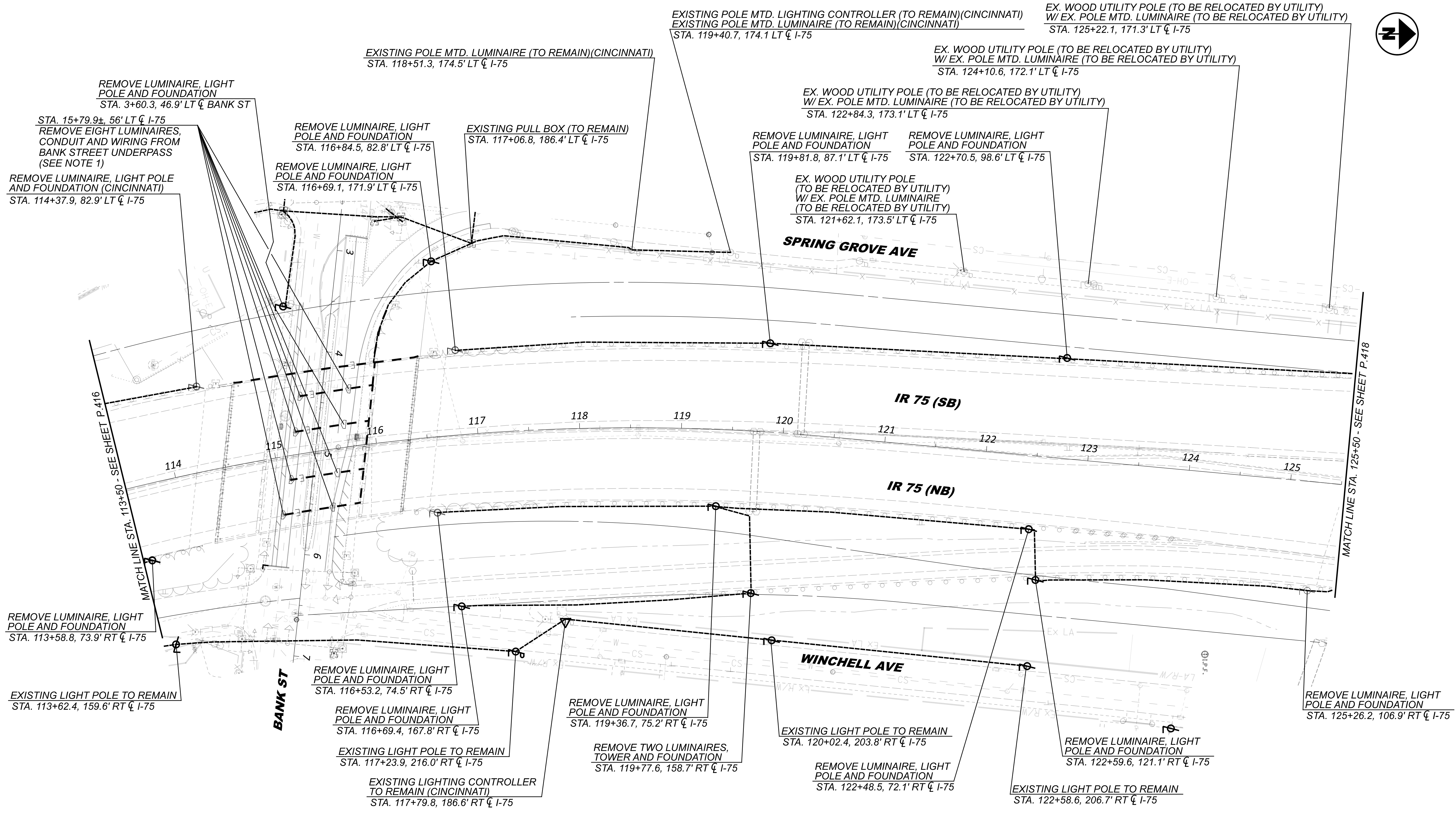
	EXIST.	PROP
LIGHT POLE, W/ CONVENTIONAL LUMINAIRE		
LIGHT POLE, LOW MAST, W/ SYMMETRIC LUMINAIRE		
HIGH MAST UNIT W/ 4 SYMMETRIC LUMINAIRES		
UNDERPASS LUMINAIRE		
LIGHT POLE, POST TOP		
POWER SERVICE		



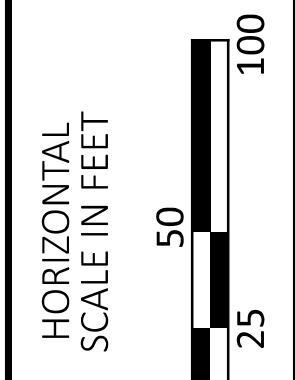
IR-75 LIGHTING DEMOLITION PLAN
 STA. 100+00 TO STA. 113+50

DESIGN AGENCY

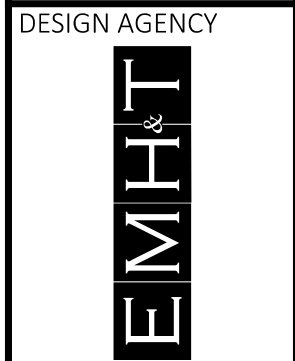
 DESIGNER
 DRM
 REVIEWER
 JDS 06-21-24
 PROJECT ID
 114161
 SHEET TOTAL
 P.416 463



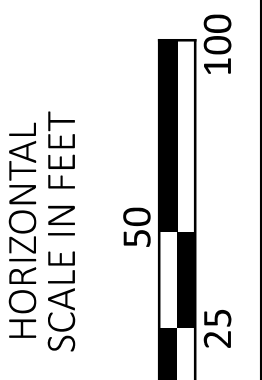
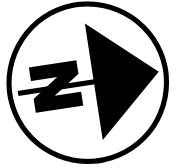
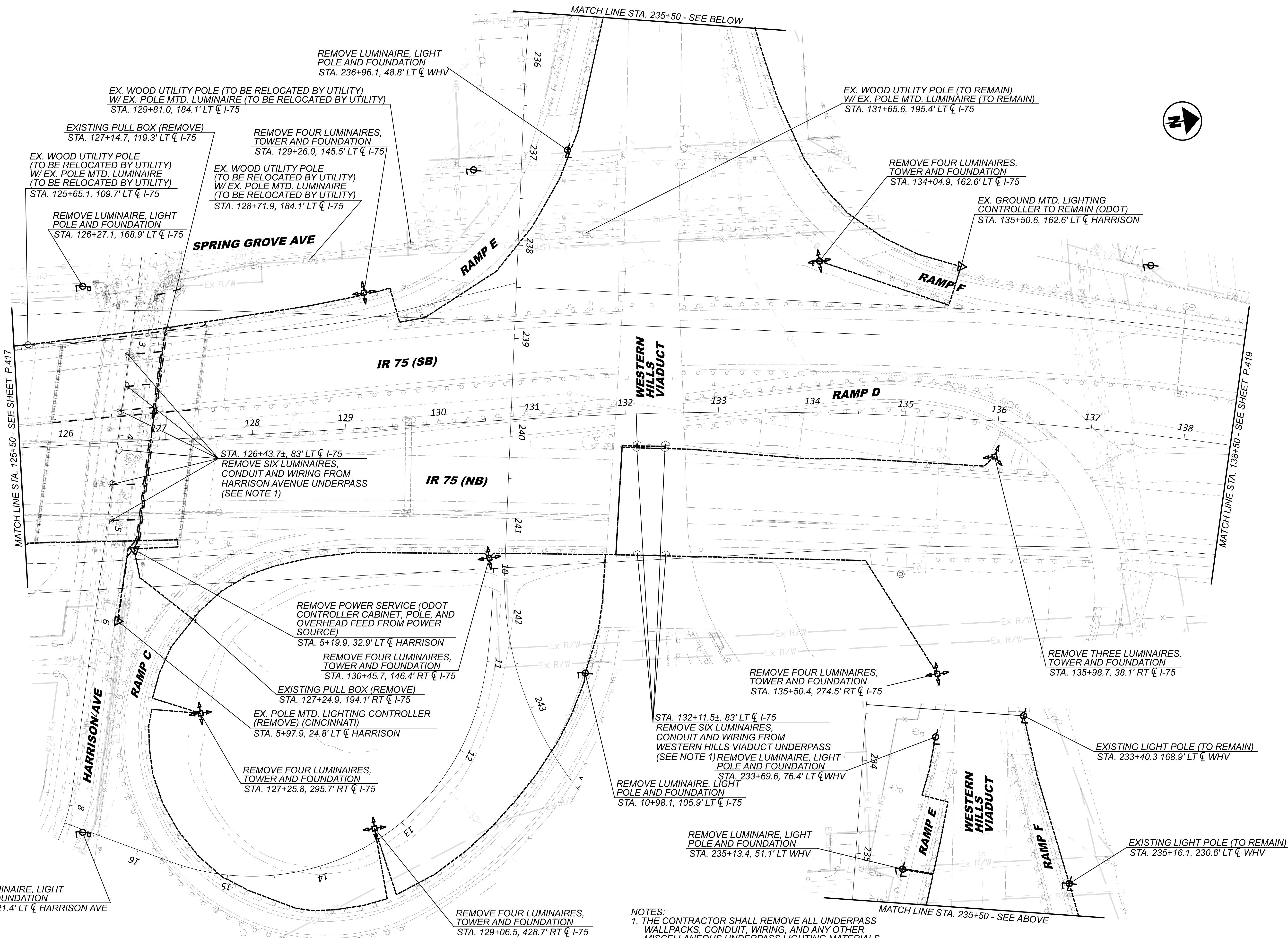
NOTES:
 1. THE CONTRACTOR SHALL REMOVE ALL UNDERPASS WALLPACKS, CONDUIT, WIRING, AND ANY OTHER MISCELLANEOUS UNDERPASS LIGHTING MATERIALS MOUNTED ON THE BANK ST BRIDGE STRUCTURE.



IR-75 LIGHTING DEMOLITION PLAN
 STA. 113+50 TO STA. 125+50



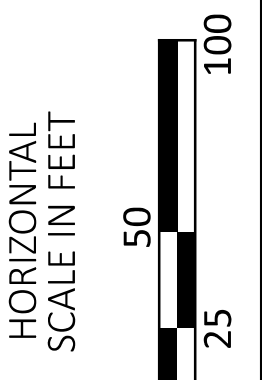
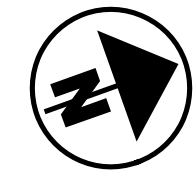
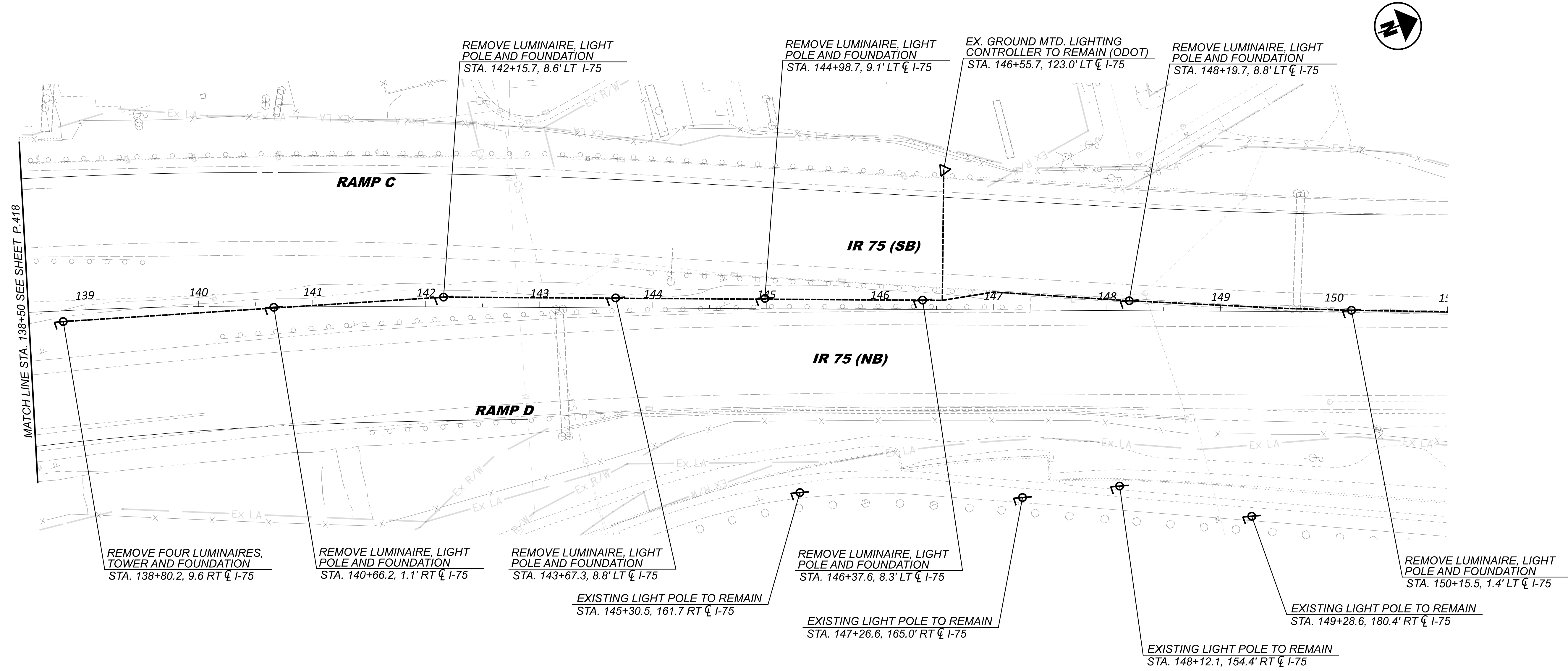
DESIGN AGENCY	EMHT
DESIGNER	DRM
REVIEWER	JDS 06-21-24
PROJECT ID	114161
SHEET TOTAL	P.417 463



IR-75 LIGHTING DEMOLITION PLAN
STA. 125+50 TO STA. 138+50

NOTES:
1. THE CONTRACTOR SHALL REMOVE ALL UNDERPASS WALLPACKS, CONDUIT, WIRING, AND ANY OTHER MISCELLANEOUS UNDERPASS LIGHTING MATERIALS MOUNTED ON THE HARRISON AVE BRIDGE STRUCTURE.

DESIGN AGENCY	
EMHT	
DESIGNER	
DRM	
REVIEWER	
JDS 06-21-24	
PROJECT ID	
114161	
SHEET	TOTAL
P.418	463

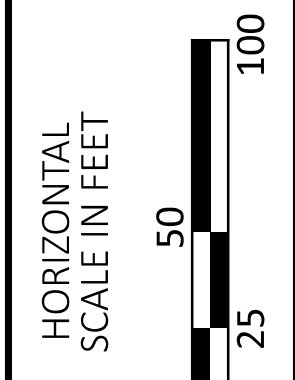
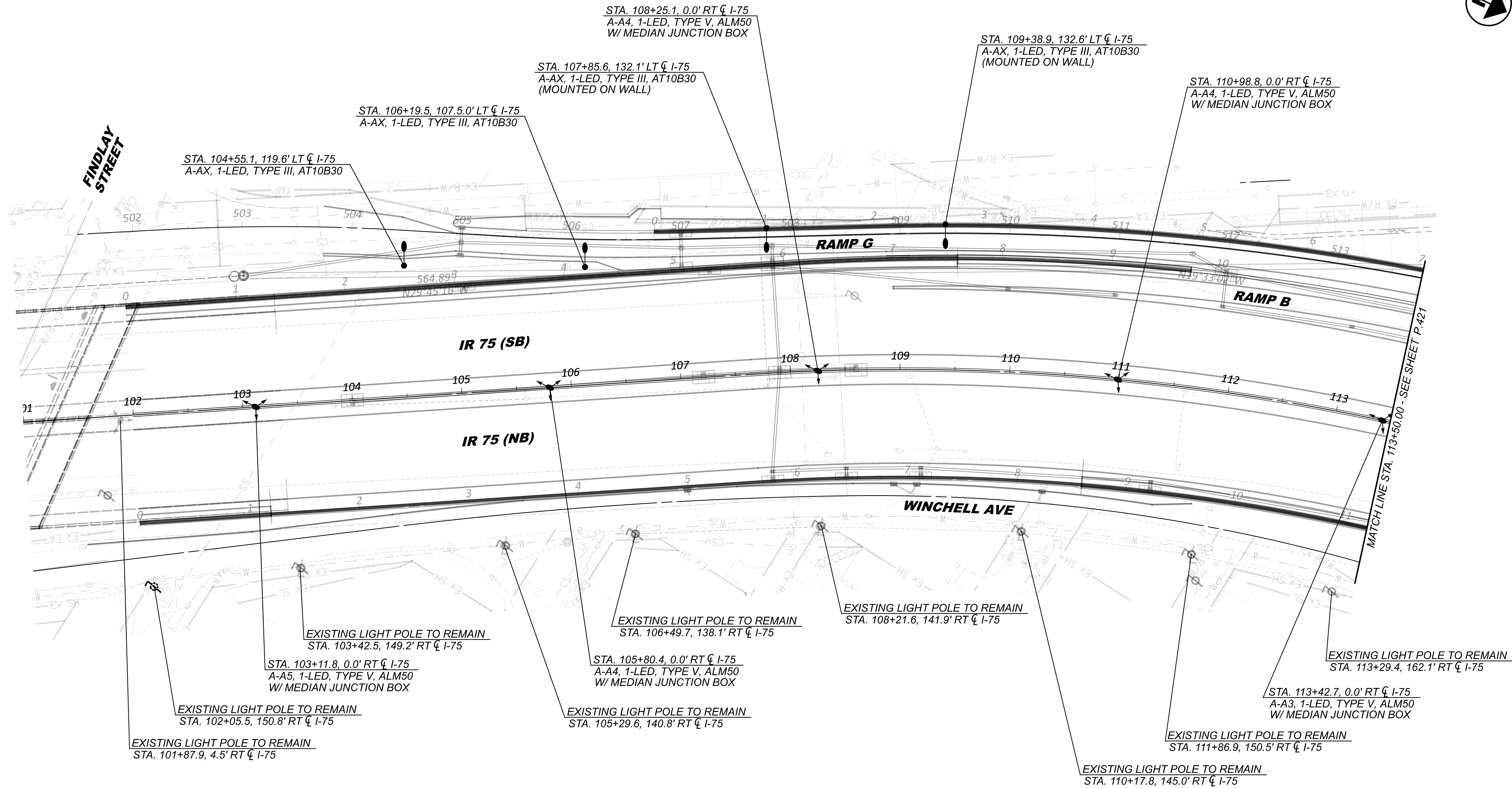


IR-75 LIGHTING DEMOLITION PLAN
 STA. 138+50 TO STA. 151+00

DESIGN AGENCY



DESIGNER	DRM
REVIEWER	JDS
PROJECT ID	06-21-24
	114161
SHEET	TOTAL
P.419	463

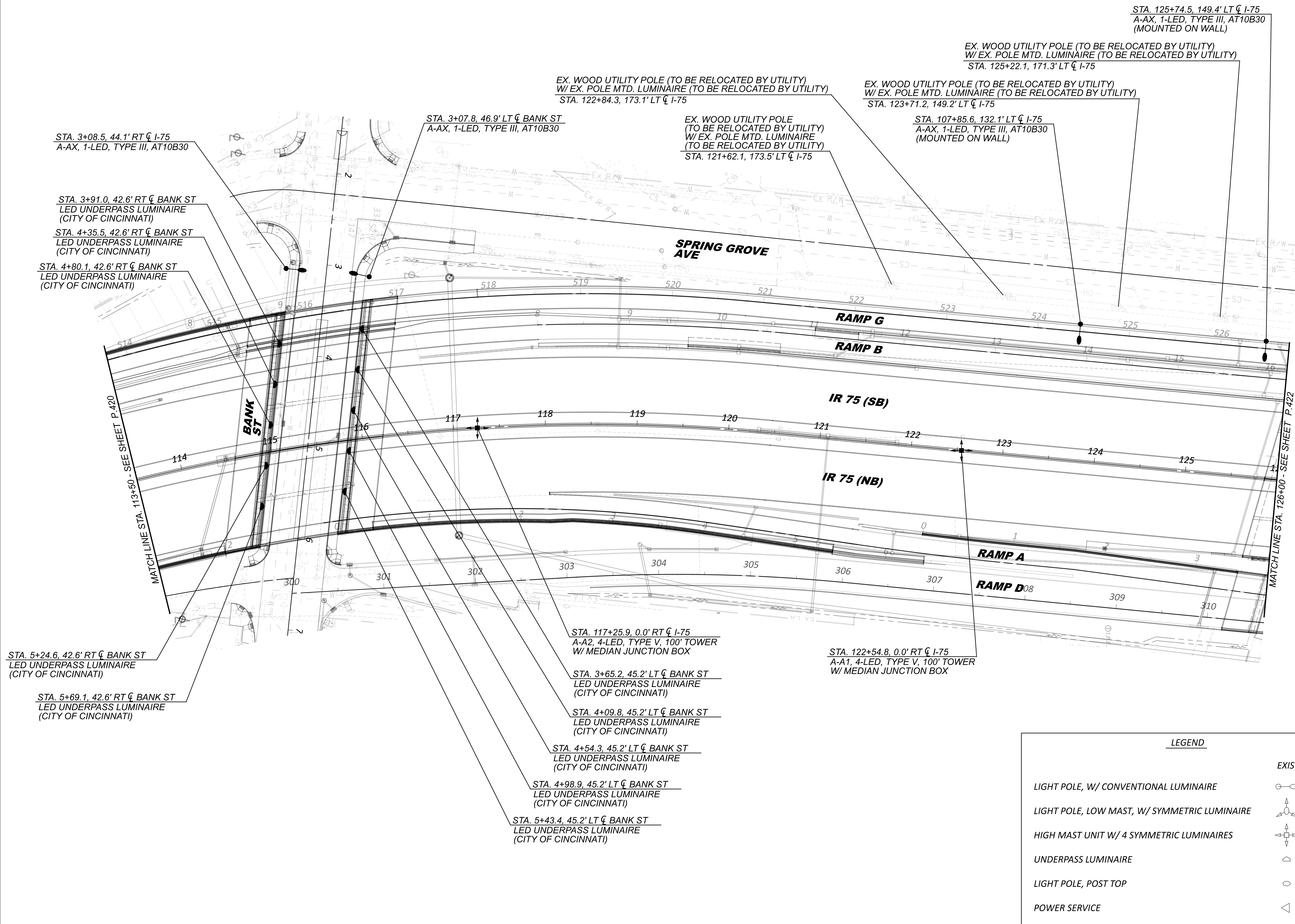


IR-75 LIGHTING PLAN
STA. 101+00 TO STA. 113+50

LEGEND		
	EXIST.	PROP
LIGHT POLE, W/ CONVENTIONAL LUMINAIRE		
LIGHT POLE, LOW MAST, W/ SYMMETRIC LUMINAIRE		
HIGH MAST UNIT W/ 4 SYMMETRIC LUMINAIRES		
UNDERPASS LUMINAIRE		
LIGHT POLE, POST TOP		
POWER SERVICE		

DESIGN AGENCY

 DESIGNER
 DRM
 REVIEWER
 JDS 06-21-24
 PROJECT ID
 114161
 SHEET TOTAL
 P.420 463



STA. 125+74.5, 149.4' LT C I-75
 A-AX, 1-LED, TYPE III, AT10B30
 (MOUNTED ON WALL)

EX. WOOD UTILITY POLE (TO BE RELOCATED BY UTILITY)
 W/ EX. POLE MTD. LUMINAIRE (TO BE RELOCATED BY UTILITY)
 STA. 125+22.1, 171.3' LT C I-75

EX. WOOD UTILITY POLE (TO BE RELOCATED BY UTILITY)
 W/ EX. POLE MTD. LUMINAIRE (TO BE RELOCATED BY UTILITY)
 STA. 122+84.3, 173.1' LT C I-75

EX. WOOD UTILITY POLE (TO BE RELOCATED BY UTILITY)
 W/ EX. POLE MTD. LUMINAIRE (TO BE RELOCATED BY UTILITY)
 STA. 123+71.2, 149.2' LT C I-75

STA. 107+85.6, 132.1' LT C I-75
 A-AX, 1-LED, TYPE III, AT10B30
 (MOUNTED ON WALL)

EX. WOOD UTILITY POLE
 (TO BE RELOCATED BY UTILITY)
 W/ EX. POLE MTD. LUMINAIRE
 (TO BE RELOCATED BY UTILITY)
 STA. 121+62.1, 173.5' LT C I-75

STA. 3+07.8, 46.9' LT C BANK ST
 A-AX, 1-LED, TYPE III, AT10B30

STA. 3+08.5, 44.1' RT C I-75
 A-AX, 1-LED, TYPE III, AT10B30

STA. 3+91.0, 42.6' RT C BANK ST
 LED UNDERPASS LUMINAIRE
 (CITY OF CINCINNATI)

STA. 4+35.5, 42.6' RT C BANK ST
 LED UNDERPASS LUMINAIRE
 (CITY OF CINCINNATI)

STA. 4+80.1, 42.6' RT C BANK ST
 LED UNDERPASS LUMINAIRE
 (CITY OF CINCINNATI)

**SPRING GROVE
 AVE**

RAMP G

RAMP B

IR 75 (SB)

IR 75 (NB)

RAMP A

RAMP D

MATCH LINE STA. 113+50 - SEE SHEET P.420

MATCH LINE STA. 126+00 - SEE SHEET P.422

STA. 5+24.6, 42.6' RT C BANK ST
 LED UNDERPASS LUMINAIRE
 (CITY OF CINCINNATI)

STA. 5+69.1, 42.6' RT C BANK ST
 LED UNDERPASS LUMINAIRE
 (CITY OF CINCINNATI)

STA. 117+25.9, 0.0' RT C I-75
 A-A2, 4-LED, TYPE V, 100' TOWER
 W/ MEDIAN JUNCTION BOX

STA. 3+65.2, 45.2' LT C BANK ST
 LED UNDERPASS LUMINAIRE
 (CITY OF CINCINNATI)

STA. 4+09.8, 45.2' LT C BANK ST
 LED UNDERPASS LUMINAIRE
 (CITY OF CINCINNATI)

STA. 4+54.3, 45.2' LT C BANK ST
 LED UNDERPASS LUMINAIRE
 (CITY OF CINCINNATI)

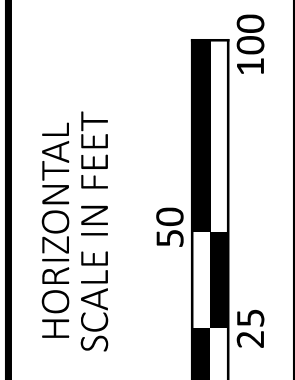
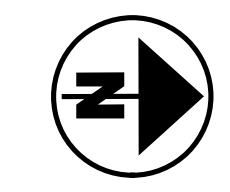
STA. 4+98.9, 45.2' LT C BANK ST
 LED UNDERPASS LUMINAIRE
 (CITY OF CINCINNATI)

STA. 5+43.4, 45.2' LT C BANK ST
 LED UNDERPASS LUMINAIRE
 (CITY OF CINCINNATI)

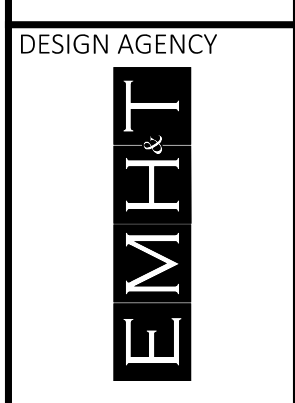
STA. 122+54.8, 0.0' RT C I-75
 A-A1, 4-LED, TYPE V, 100' TOWER
 W/ MEDIAN JUNCTION BOX

LEGEND

	EXIST.	PROP.
LIGHT POLE, W/ CONVENTIONAL LUMINAIRE		
LIGHT POLE, LOW MAST, W/ SYMMETRIC LUMINAIRE		
HIGH MAST UNIT W/ 4 SYMMETRIC LUMINAIRES		
UNDERPASS LUMINAIRE		
LIGHT POLE, POST TOP		
POWER SERVICE		



IR-75 LIGHTING PLAN
 STA. 113+50 TO STA. 126+00

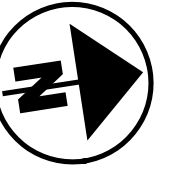
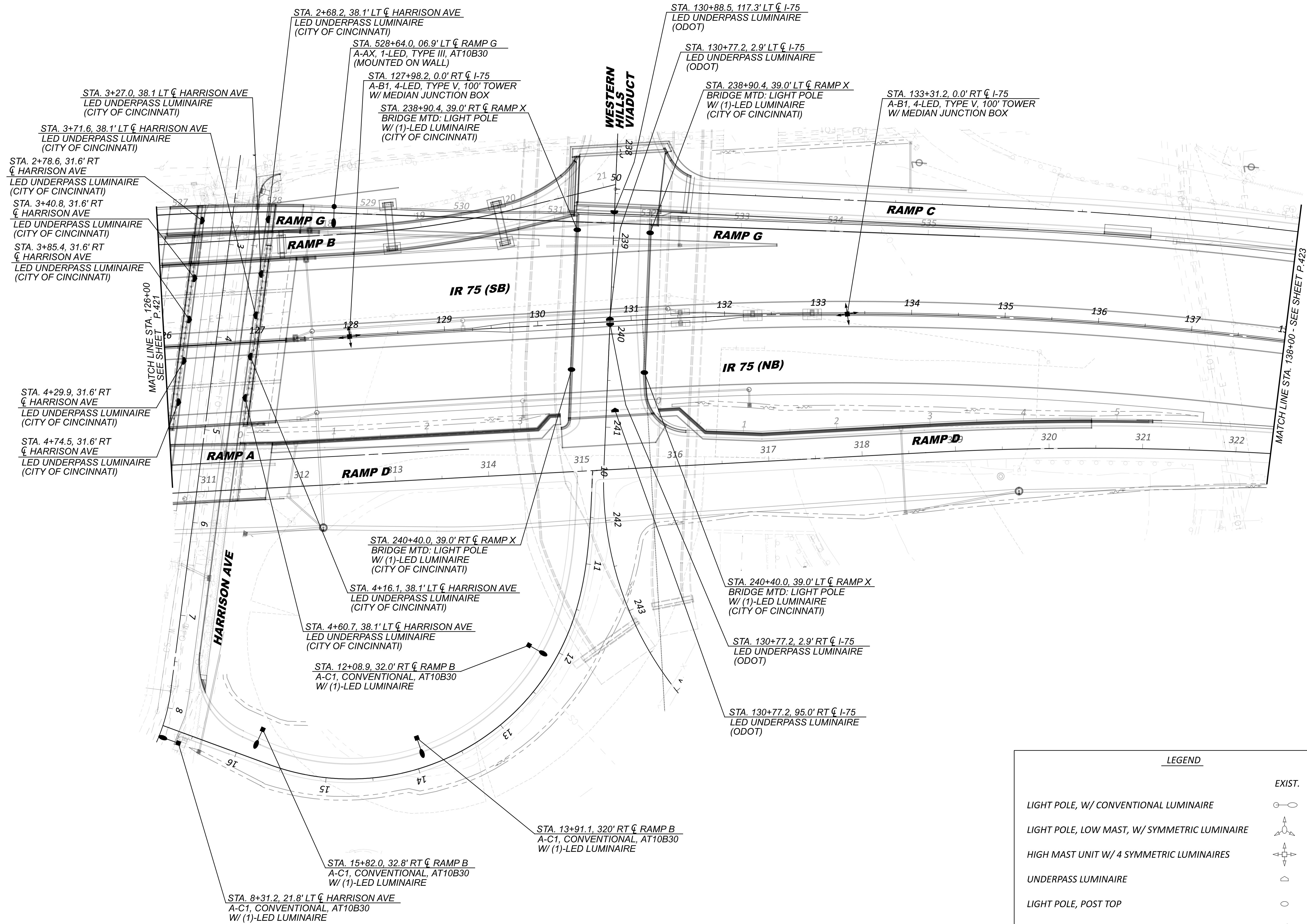


DESIGNER
 DRM

REVIEWER
 JDS 06-21-24

PROJECT ID
 114161

SHEET TOTAL
 P.421 463



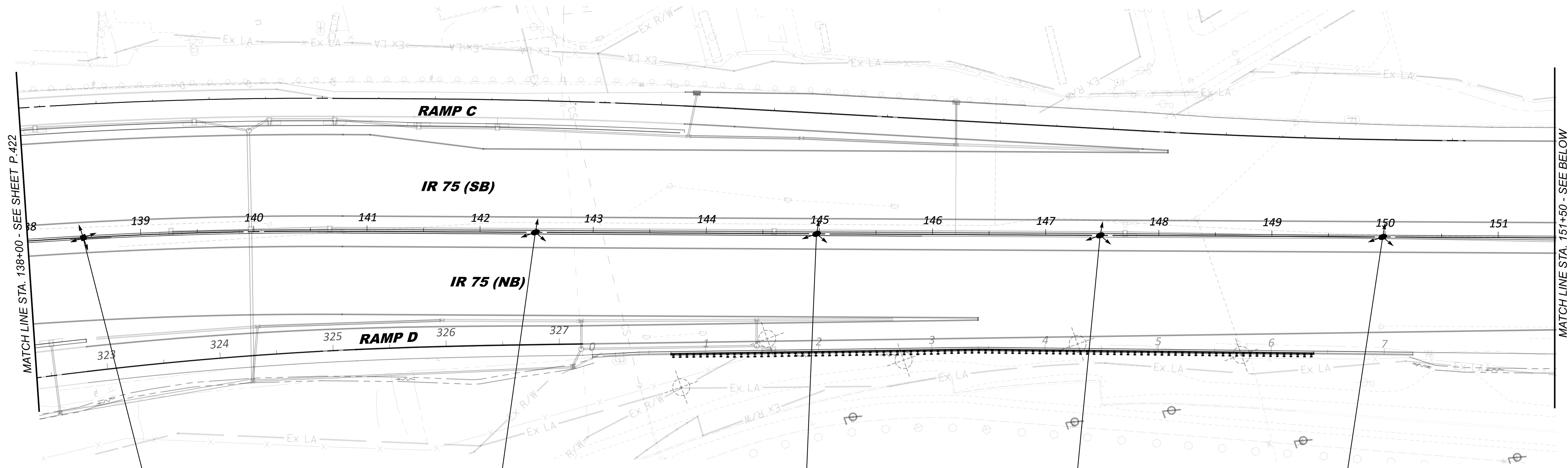
IR-75 LIGHTING PLAN
 STA. 126+00 TO STA. 138+00

LEGEND		
	EXIST.	PROP.
LIGHT POLE, W/ CONVENTIONAL LUMINAIRE		
LIGHT POLE, LOW MAST, W/ SYMMETRIC LUMINAIRE		
HIGH MAST UNIT W/ 4 SYMMETRIC LUMINAIRES		
UNDERPASS LUMINAIRE		
LIGHT POLE, POST TOP		
POWER SERVICE		

DESIGN AGENCY



DESIGNER	DRM
REVIEWER	JDS
PROJECT ID	06-21-24
SHEET	114161
TOTAL	463



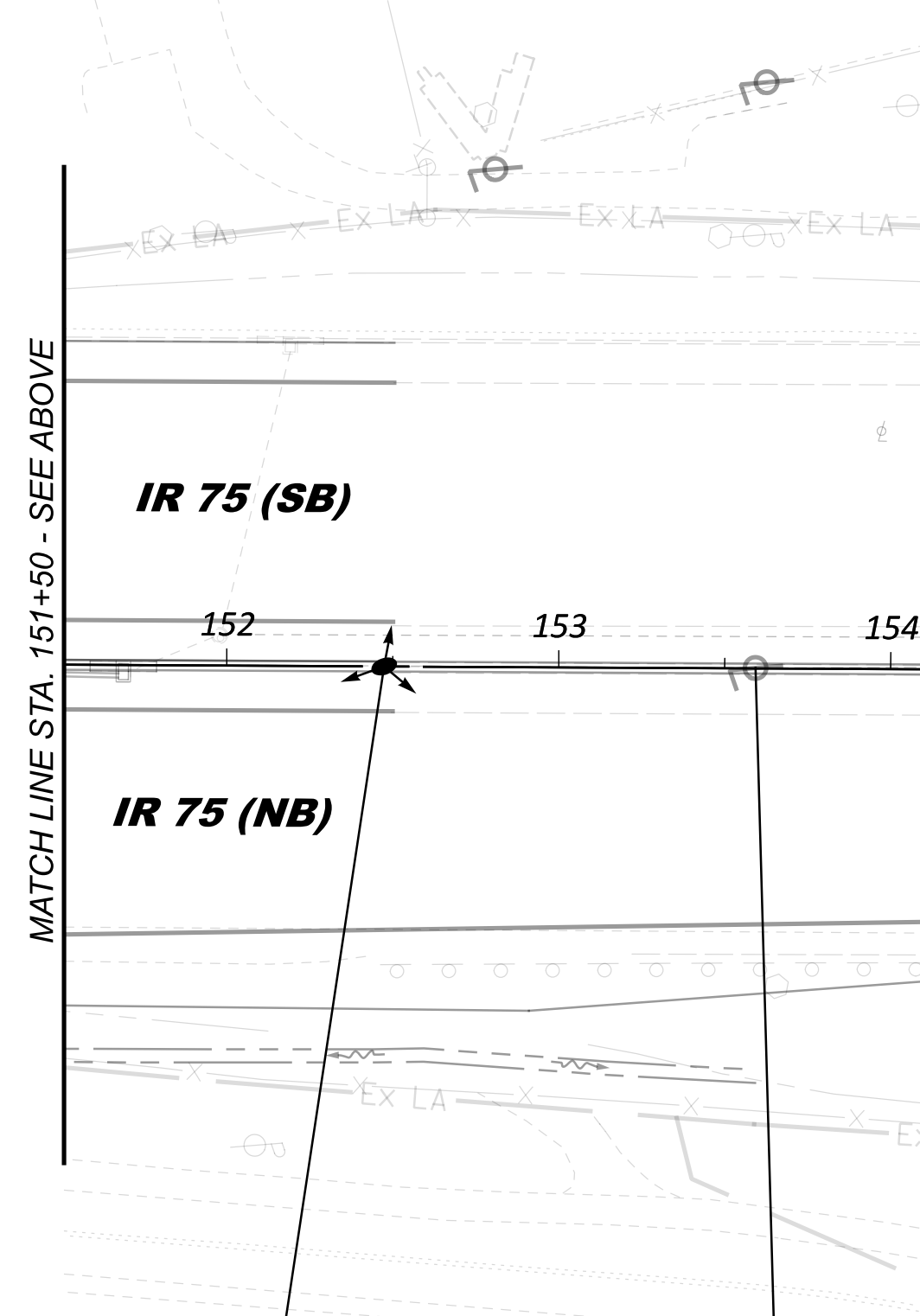
STA. 138+49.2, 0.0' RT ϕ I-75
 A-B3, 4-LED, TYPE V, 100' TOWER
 W/ MEDIAN JUNCTION BOX

STA. 142+48.9, 0.0' RT ϕ I-75
 A-B4, 1-LED, TYPE V, ALM50
 W/ MEDIAN JUNCTION BOX

STA. 144+97.5, 0.0' RT ϕ I-75
 A-B5, 1-LED, TYPE V, ALM50
 W/ MEDIAN JUNCTION BOX

STA. 150+14.9, 0.0' RT ϕ I-75
 A-B6, 1-LED, TYPE V, ALM50
 W/ MEDIAN JUNCTION BOX

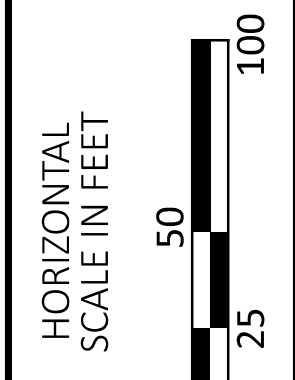
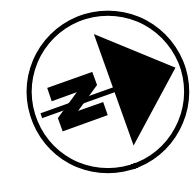
STA. 149+98.0, 0.0' RT ϕ I-75
 A-B7, 1-LED, TYPE V, ALM50
 W/ MEDIAN JUNCTION BOX



STA. 152+47.4, 0.0' RT ϕ I-75
 A-B7, 1-LED, TYPE V, ALM50
 W/ MEDIAN JUNCTION BOX

EXISTING LIGHT POLE TO REMAIN
 STA. 153+59.3, 0.0' RT ϕ I-75

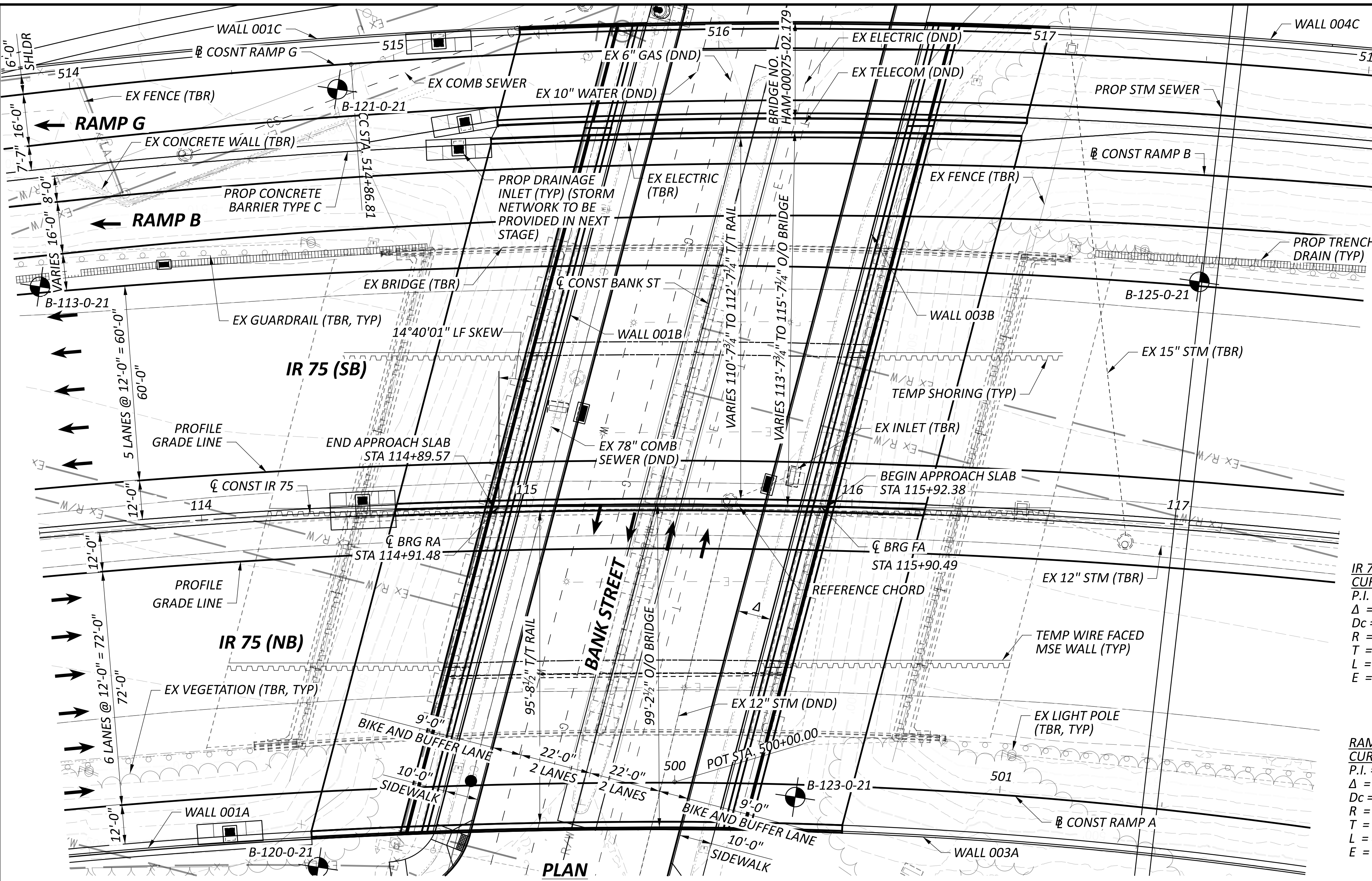
LEGEND		EXIST.	PROP.
LIGHT POLE, W/ CONVENTIONAL LUMINAIRE			
LIGHT POLE, LOW MAST, W/ SYMMETRIC LUMINAIRE			
HIGH MAST UNIT W/ 4 SYMMETRIC LUMINAIRES			
UNDERPASS LUMINAIRE			
LIGHT POLE, POST TOP			
POWER SERVICE			



IR-75 LIGHTING PLAN
 STA. 138+00 TO STA. 151+00

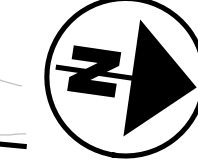
DESIGN AGENCY	
DESIGNER	DRM
REVIEWER	JDS
PROJECT ID	06-21-24
SHEET	114161
TOTAL	463

MODEL: Site Plan Bank [Sheet] PAPER: 34x22 (in.) DATE: 6/20/2024 TIME: 1:43:27 PM USER: abrahamkhalil
pw:\chicodot-pw.bentley.com\hohodot-pw-02\Documents\01.Active Projects\District 08\Hamilton\114161\401-Engineering\EMHT\Structures\SFN_3109365_SPO03.dgn



IR 75 CURVE DATA
P.I. = STA. 114+25.91
 $\Delta = 35^\circ 12' 18''$ RT
 $D_c = 02^\circ 45' 00''$
 $R = 2,083.48'$
 $T = 661.02'$
 $L = 1,280.18'$
 $E = 102.35'$

RAMP A CURVE DATA
P.I. = STA. 502+11.74
 $\Delta = 16^\circ 49' 04''$ RT
 $D_c = 04^\circ 00' 00''$
 $R = 1,432.39'$
 $T = 211.74'$
 $L = 420.44'$
 $E = 15.57'$



CONTROL POINT DATA*

CP #1 STA.	105+87.14,	ELEV.	506.50,	OFFSET	141.01,	RT
CP #2 STA.	124+31.09,	ELEV.	501.22,	OFFSET	178.50,	RT

* STATIONS AND OFFSETS ARE ALONG \hat{C} CONST IR 75.
FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.3 - P.5 /463

NOTES
1. EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.
2. ACTUAL PIPE WALL THICKNESS IS NOT KNOWN AT THIS SUBMITTAL. MSD REQUESTED 3' BRICK THICK WALLS BE ASSUMED. ADDITIONAL PIPE INFORMATION WILL BE PROVIDED IN STAGE 2.

DESIGN TRAFFIC:
2029 ADT = 164,850 2029 ADTT = 26,376
2049 ADT = 189,800 2049 ADTT = 30,368
DIRECTIONAL DISTRIBUTION = 52%

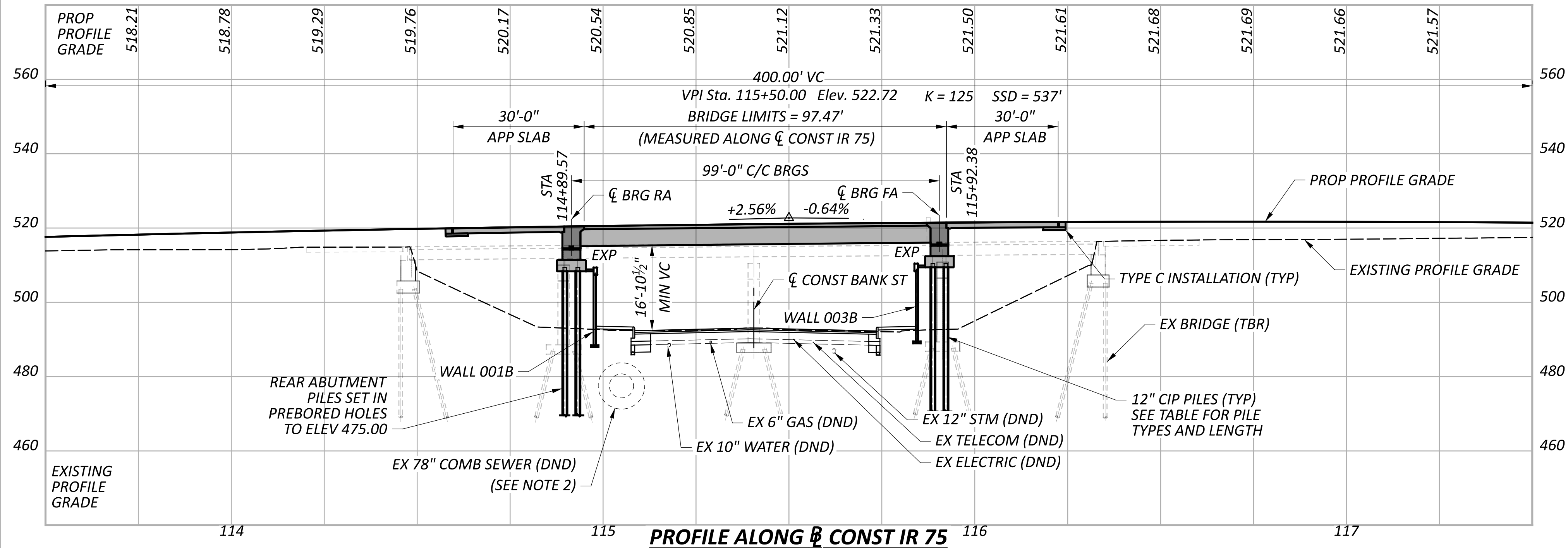
LEGEND
● BORING LOCATION
● 16'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
● 16'-10 1/2" ACTUAL MINIMUM VERTICAL CLEARANCE
Δ - 10'-0" REQUIRED HORIZONTAL CLEARANCE
10'-8" - ACTUAL HORIZONTAL CLEARANCE

DRIVEN PILE LENGTH TABLE

ABUTMENT	LEFT BRIDGE	RIGHT BRIDGE
REAR	75'	95'
FORWARD	95'	90'

EXISTING STRUCTURE
TYPE: CONTINUOUS ROLLED STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
SPANS: 41'-0"±, 51'-0"±, 51'-0"±, 41'-0"±
ROADWAY: 78'-0"± (LEFT), 66'-3"± (RIGHT) T/T RAIL
LOADING: CF-2000(57)
SKEW: 14°± LF
WEARING SURFACE: 1 3/4" SUPERPLASTICIZED DENSE CONCRETE OVERLAY
APPROACH SLABS: AS-1-54 (25' LONG)
ALIGNMENT: 3° CURVE RIGHT
SUPERELEVATION: 0.049 FT/FT
STRUCTURE FILE NUMBER: 3109364
DATE BUILT: 7/1/1961
DISPOSITION: TO BE REMOVED AND REPLACED

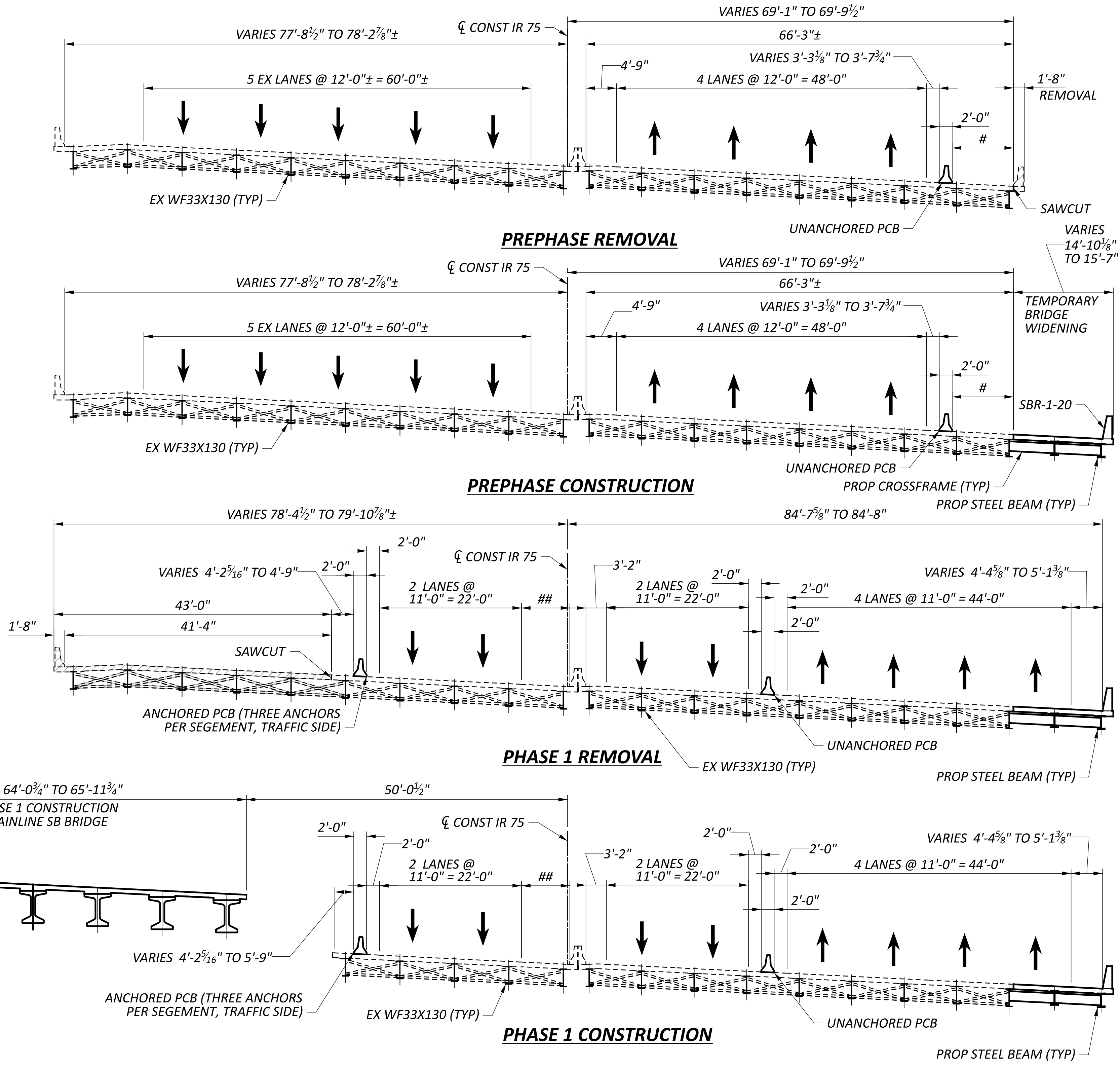
PROPOSED STRUCTURE
TYPE: SINGLE-SPAN PRESTRESSED CONCRETE I-BEAMS WITH COMPOSITE REINFORCED CONCRETE DECK, SUPPORTED ON SEM-INTEGRAL ABUTMENTS BEHIND MSE WALLS
SPANS: 99'-0" C/C BRGS
ROADWAY: VARIES 110'-7 3/4" TO 112'-7 1/4" (LEFT), 95'-8 1/2" (RIGHT) T/T RAIL
LOADING: VEHICULAR LIVE LOAD: HL-93
FUTURE WEARING SURFACE: 0.06 KIPS/FT'
SKEW: 14°40'01" LF
WEARING SURFACE: 1" MONOLITHIC CONCRETE
APPROACH SLABS: 30'-0" LONG TYPE C INSTALLATION (AS-1-15, AS-2-15)
ALIGNMENT: 2°45'00" CURVE RT
SUPERELEVATION: 0.048 FT/FT
COORDINATES: LATITUDE 39° 07' 10.81" N
LONGITUDE 84° 32' 07.51" W
DECK AREA: 11411 SF (LEFT), 9849 SF (RIGHT)



SITE PLAN
BRIDGE NO. HAM-00075-02.172
IR-75 OVER BANK STREET

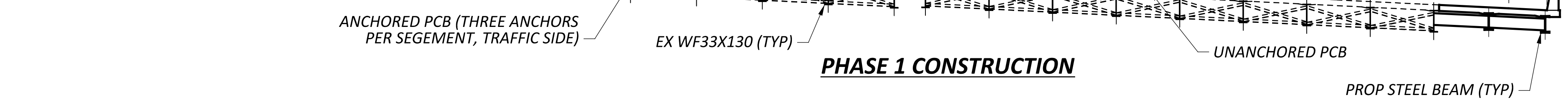
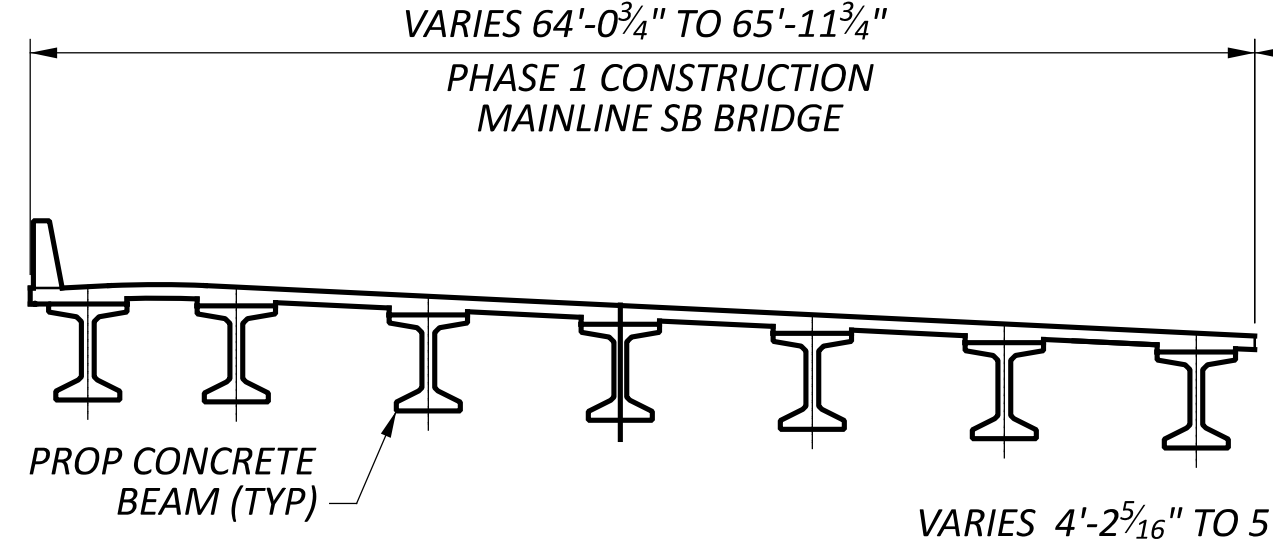
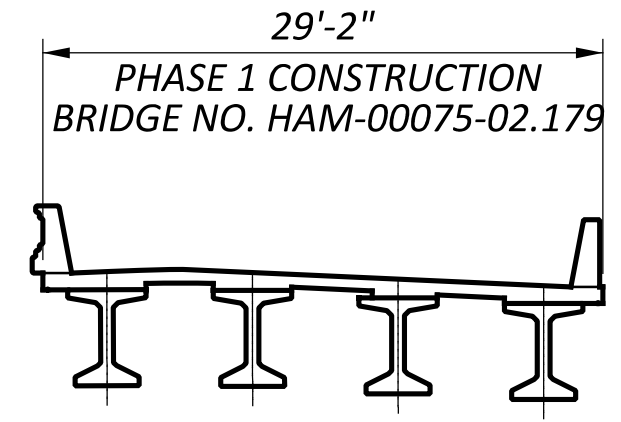
DESIGN AGENCY

DESIGNER	CHECKER
JGM	TDA
REVIEWER	
CAS 06/21/24	
PROJECT ID	114161
SUBSET	TOTAL
1	9
SHEET	TOTAL
P.424	463



SUGGESTED SEQUENCE OF CONSTRUCTION:

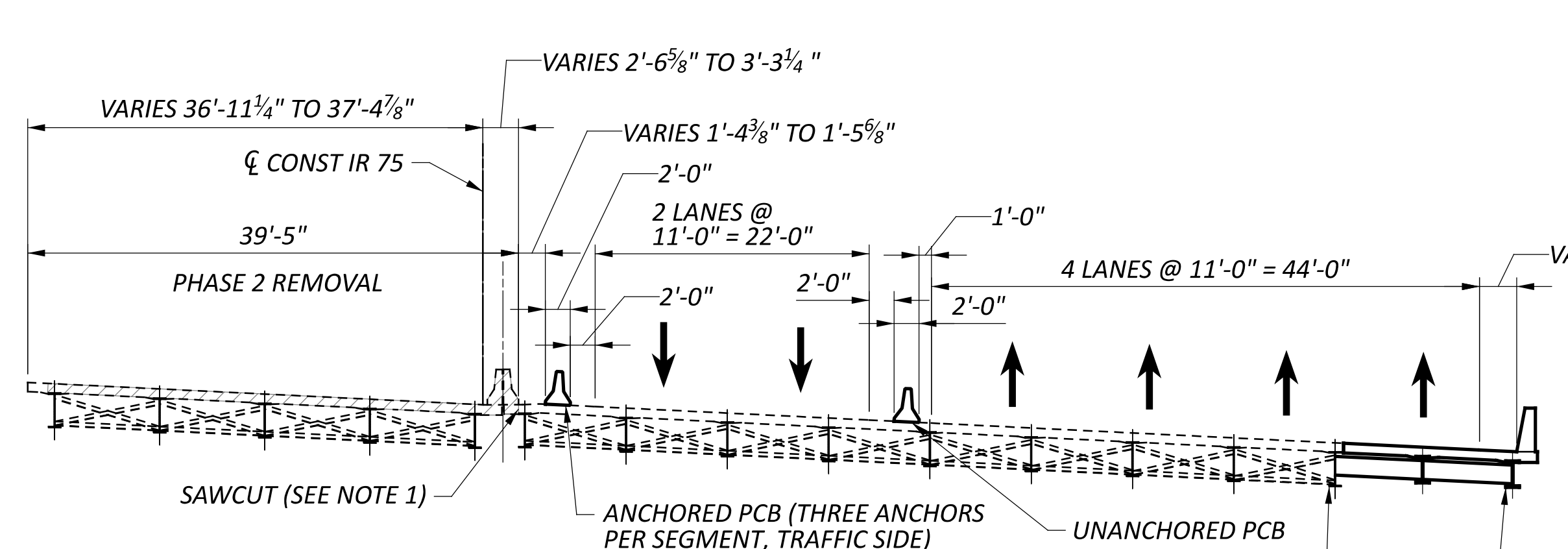
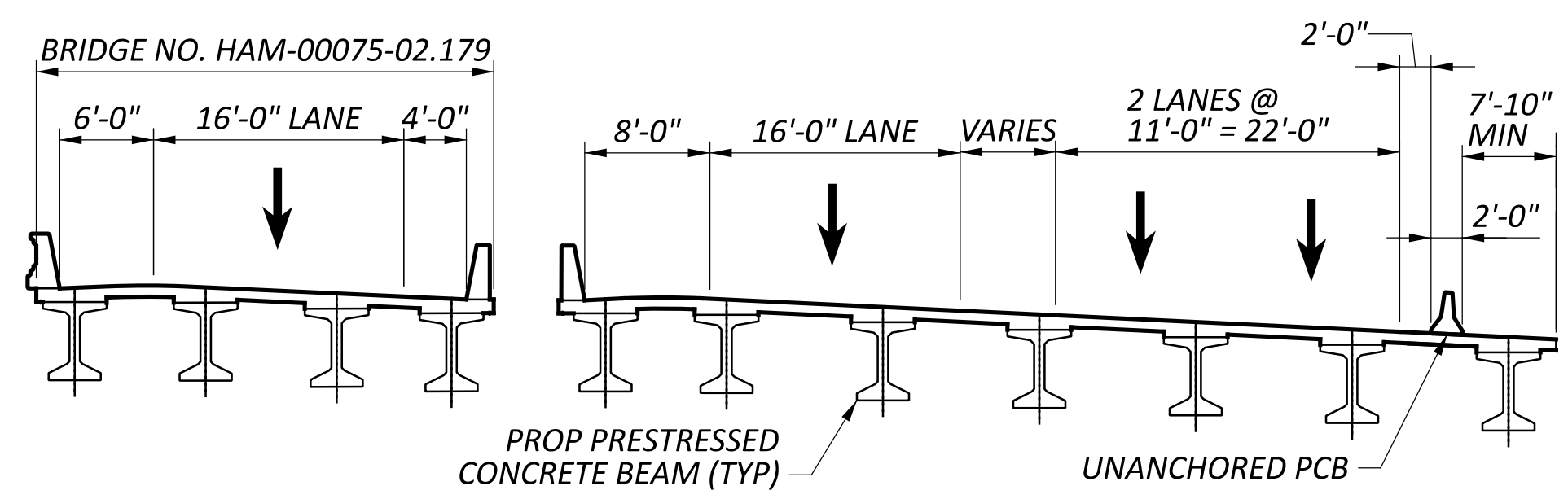
- PREPHASE REMOVAL:**
1. INSTALL PCB AS SHOWN ON NORTHBOUND BRIDGE DECK AND BEGIN PREPHASE MOT
 2. REMOVE 1'-8" OF EXISTING RAILING AND BRIDGE DECK.
- PREPHASE CONSTRUCTION:**
1. CONSTRUCT TEMPORARY BRIDGE WIDENING, INCLUDING PILES, ABUTMENT, PIERS, BEAMS, CROSSFRAMES, DECK, APPROACH SLAB AND SBR-1-20 RAILING.
- PHASE 1 REMOVAL:**
1. RELOCATE PCB AS SHOWN AND BEGIN PHASE 1 MOT.
 2. SAW CUT AND REMOVE THE EXISTING SOUTHBOUND BRIDGE TO THE LIMITS SHOWN IN THE PLANS
- PHASE 1 CONSTRUCTION:**
1. CONSTRUCT PROPOSED PILES, MSE WALLS AND ABUTMENTS FOR THE RAMP G AND THE PHASE 1 LIMITS OF THE SOUTHBOUND BRIDGES.
 2. CONSTRUCT PROPOSED BEAMS, CROSSFRAMES, CONCRETE DECK AND RAILINGS FOR THE RAMP G BRIDGE AND THE PHASE 1 LIMITS OF THE MAINLINE SOUTHBOUND BRIDGE.
 3. CONSTRUCT APPROACH SLABS.



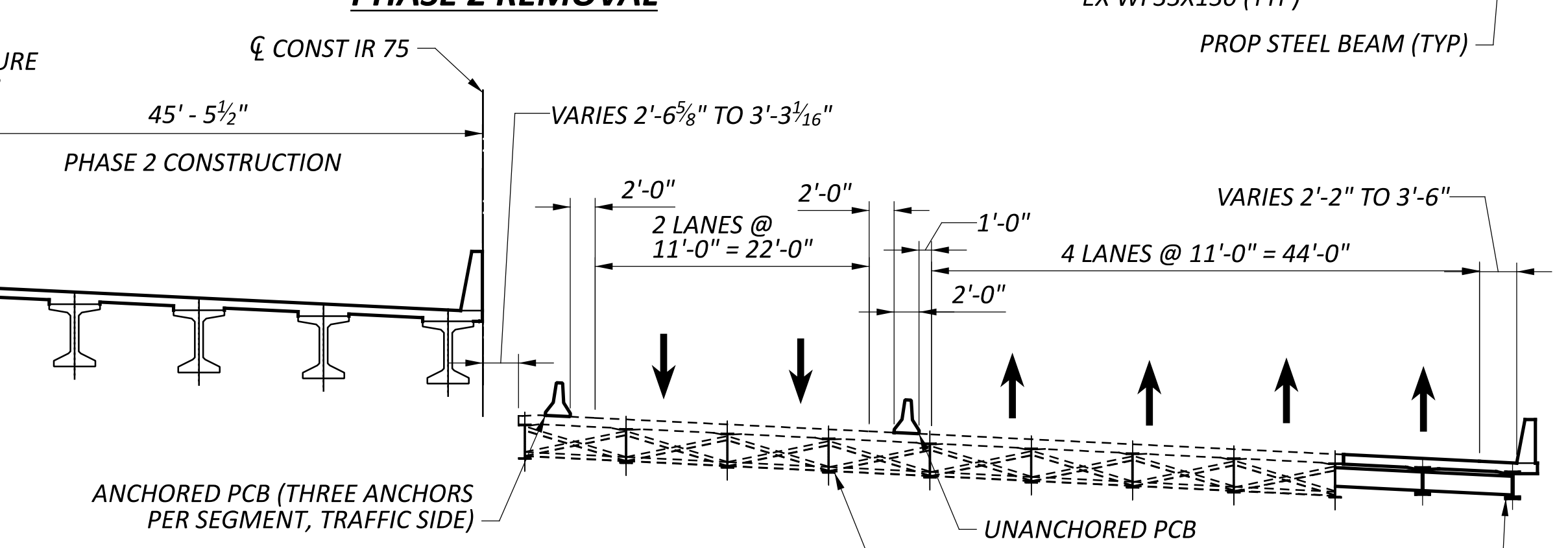
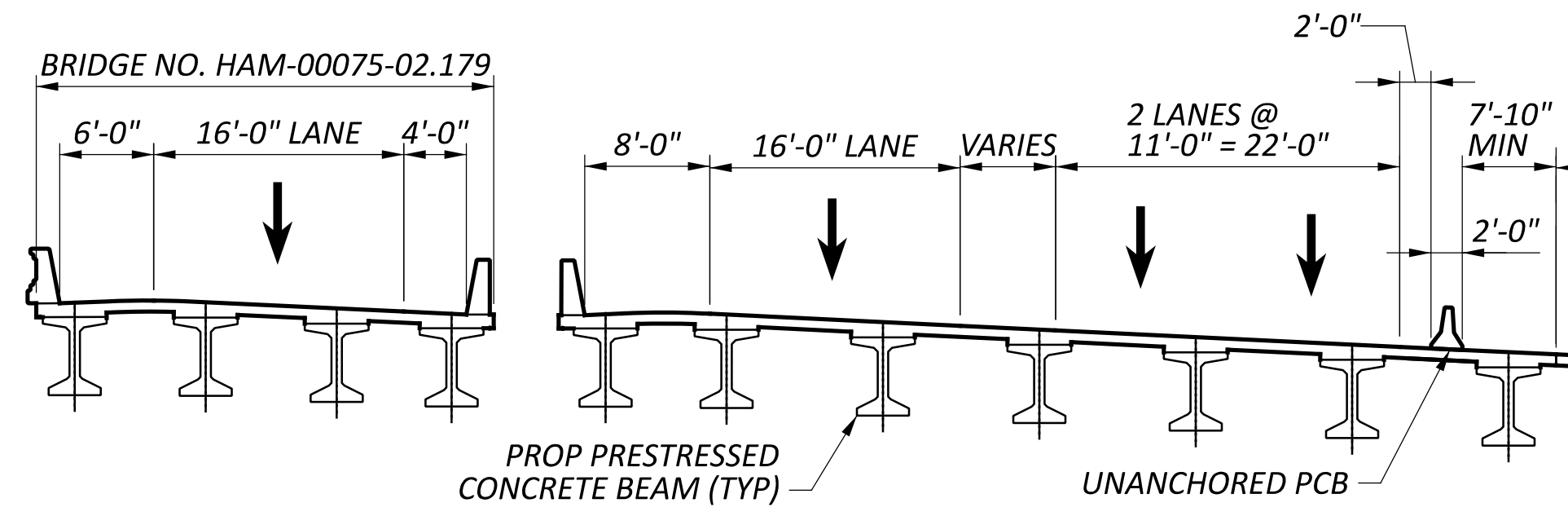
LEGEND:

- DENOTES AREAS TO BE REMOVED PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN
- # - VARIES 7'-10 3/4" TO 8'-2 7/8"
- ## - VARIES 6'-2" TO 7'-5 5/8"

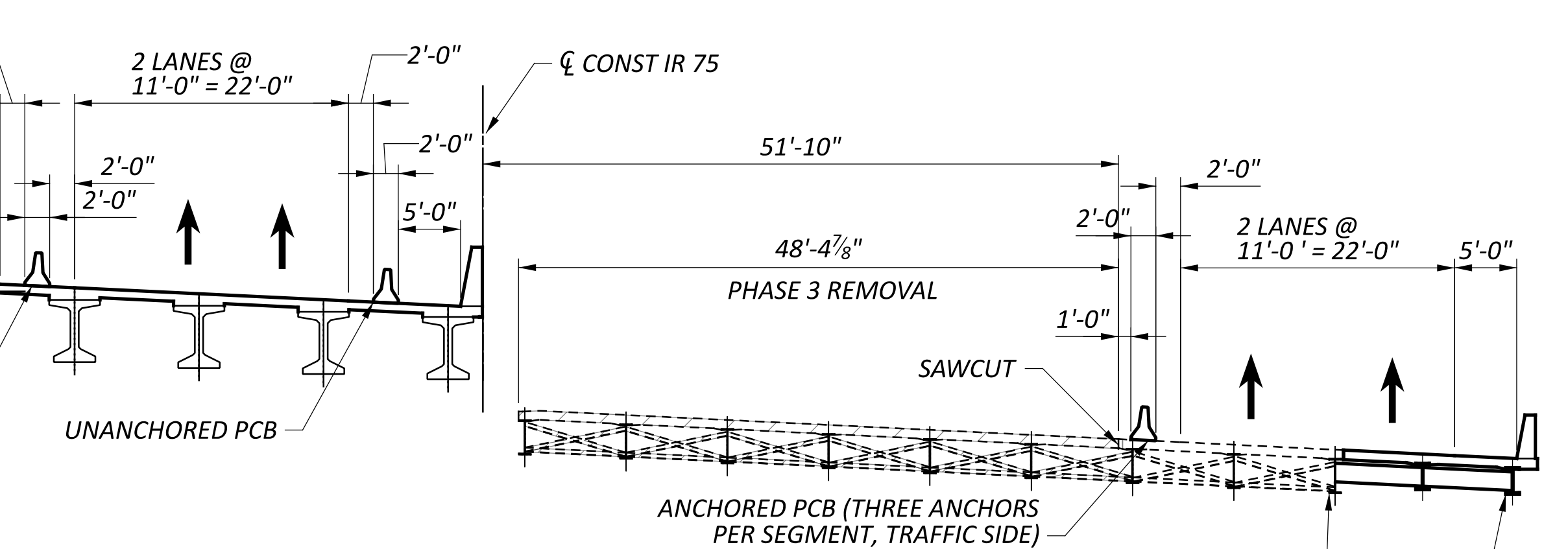
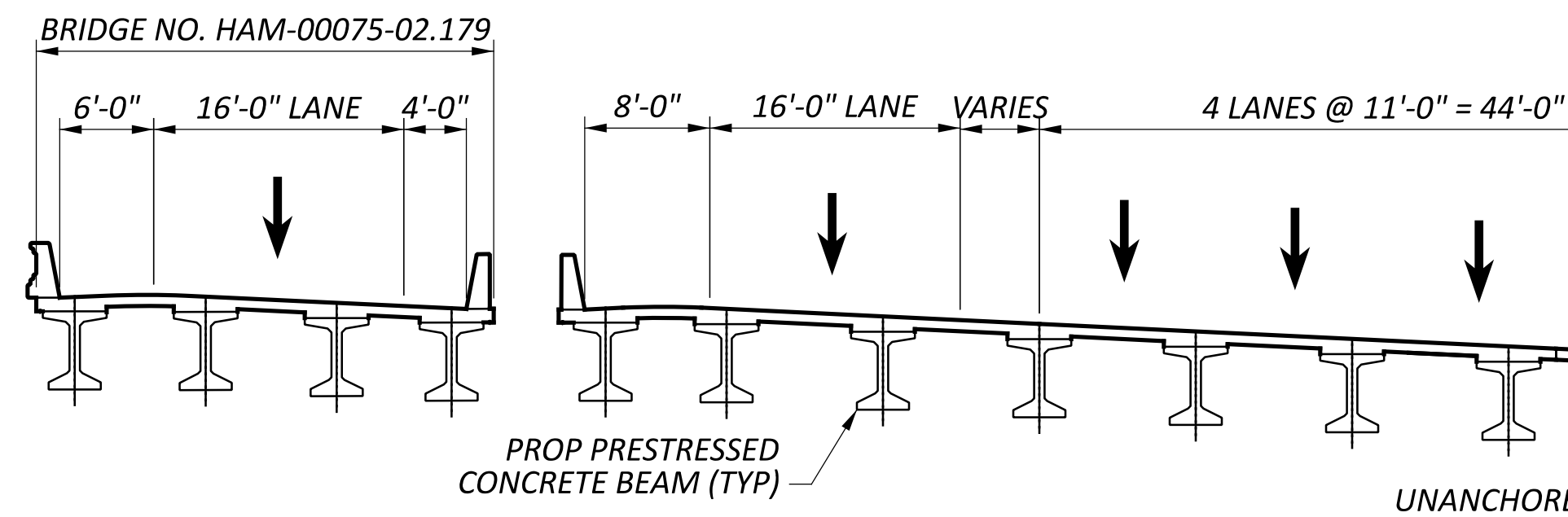
SFN	
3109365	
DESIGN AGENCY	
DESIGNER	CHECKER
JGM	TDA
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
2	9
SHEET	TOTAL
P.425	463



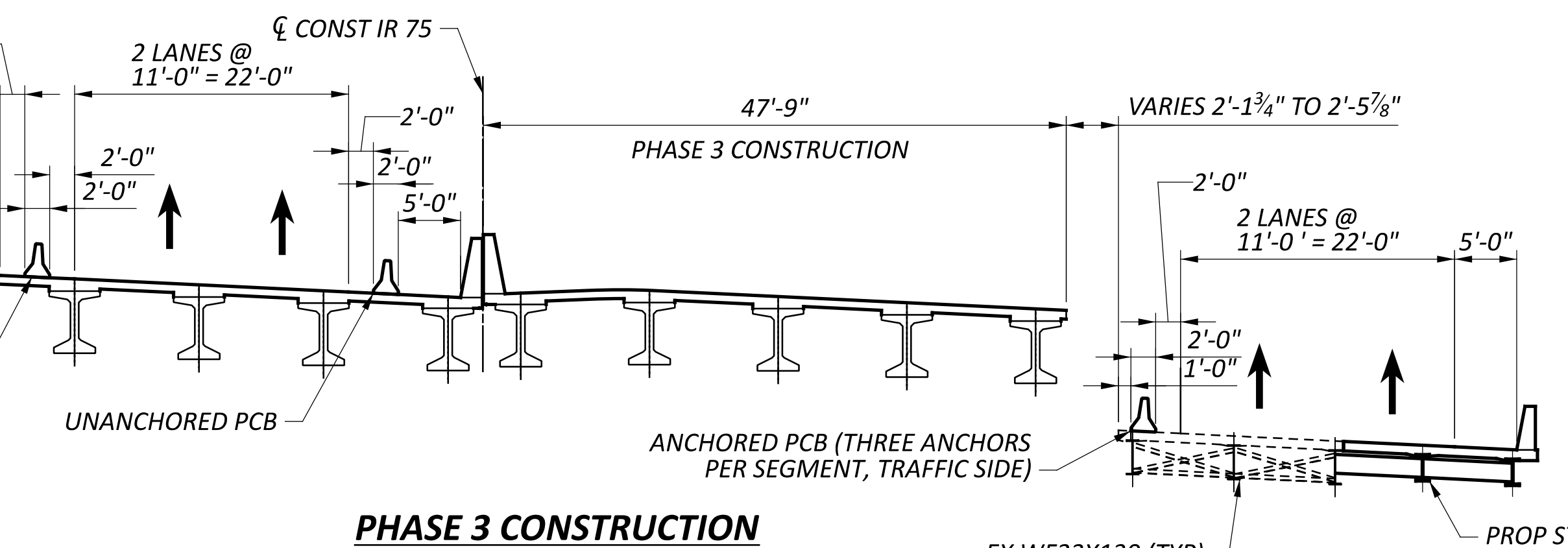
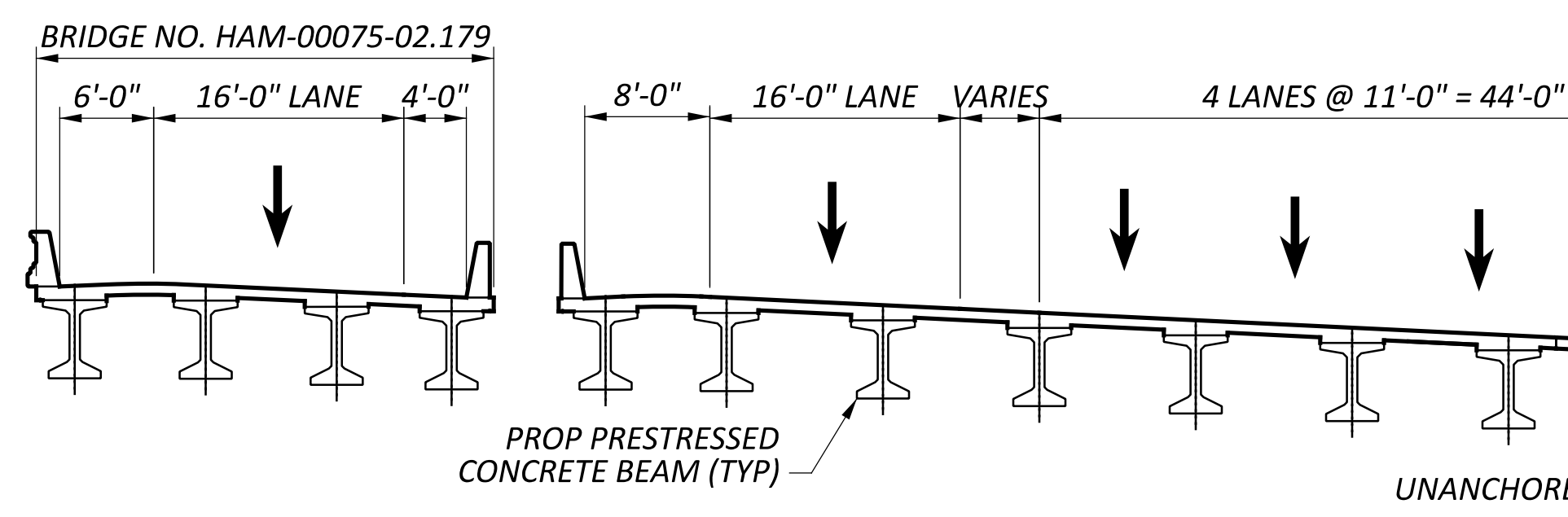
PHASE 2 REMOVAL



PHASE 2 CONSTRUCTION



PHASE 3 REMOVAL



PHASE 3 CONSTRUCTION

SUGGESTED SEQUENCE OF CONSTRUCTION:

PHASE 2 REMOVAL:

1. RELOCATE PCB AS SHOWN AND BEGIN PHASE 2 MOT.
2. SAWCUT AND REMOVE EXISTING NORTHBOUND AND SOUTHBOUND BRIDGE TO THE LIMITS SHOWN IN THE PLANS.

PHASE 2 CONSTRUCTION:

1. CONSTRUCT PROPOSED PILES, MSE WALLS AND ABUTMENTS FOR THE PHASE 2 LIMITS OF THE SOUTHBOUND BRIDGE.
2. CONSTRUCT PROPOSED BEAMS, CROSSFRAMES, CONCRETE DECK AND RAILING FOR THE PHASE 2 LIMITS OF THE MAINLINE NORTHBOUND BRIDGE.
3. CONSTRUCT APPROACH SLABS

PHASE 3 REMOVAL:

1. RELOCATE PCB AS SHOWN AND BEGIN PHASE 3 MOT.
2. SAWCUT AND REMOVE THE EXISTING NORTHBOUND BRIDGE TO THE LIMITS SHOWN IN THE PLANS.

PHASE 3 CONSTRUCTION:

1. CONSTRUCT PROPOSED PILES, MSE WALLS AND ABUTMENTS FOR THE PHASE 3 LIMITS OF THE NORTHBOUND BRIDGE.
2. CONSTRUCT PROPOSED BEAMS, CROSSFRAMES, CONCRETE DECK AND PARAPETS FOR THE PHASE 3 LIMITS OF THE MAINLINE NORTHBOUND BRIDGE.
3. CONSTRUCT APPROACH SLABS

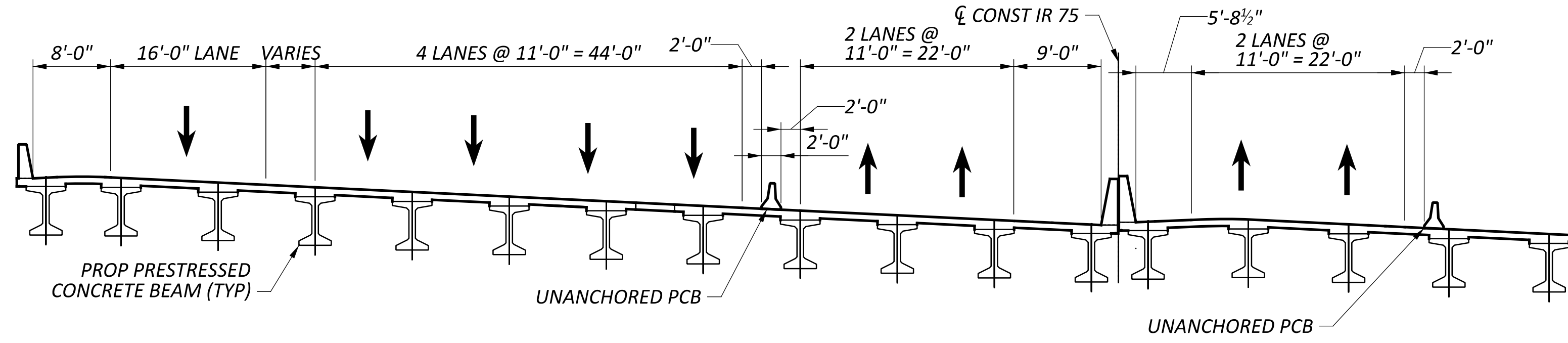
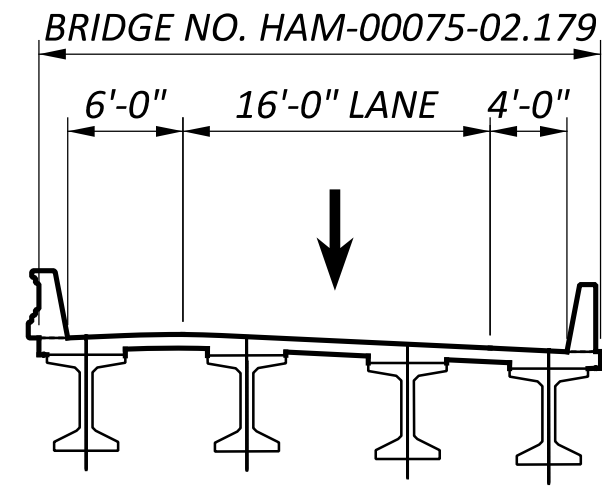
NOTES:

1. REMOVE EXISTING PARAPET AND SAWCUT DECK ALONG THE EDGE OF EXISTING WEST BEAM FLANGE.

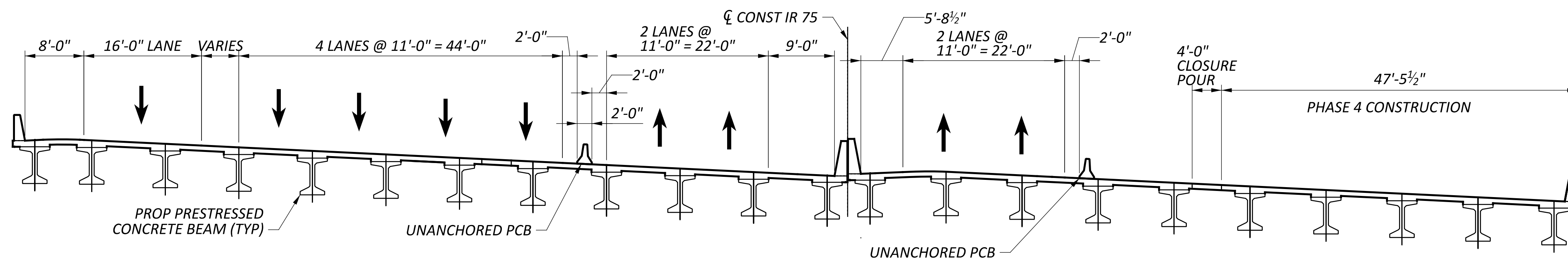
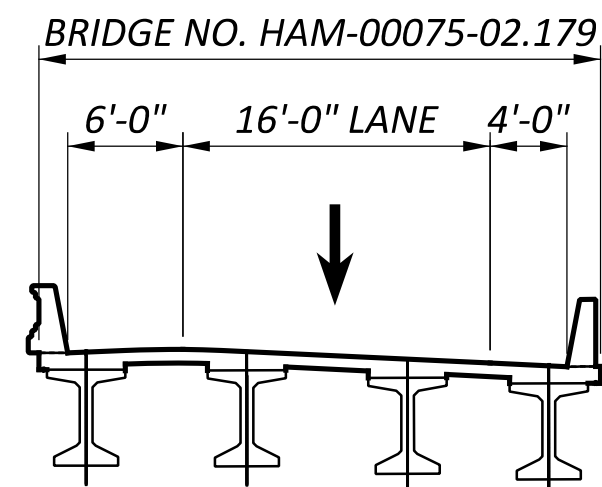
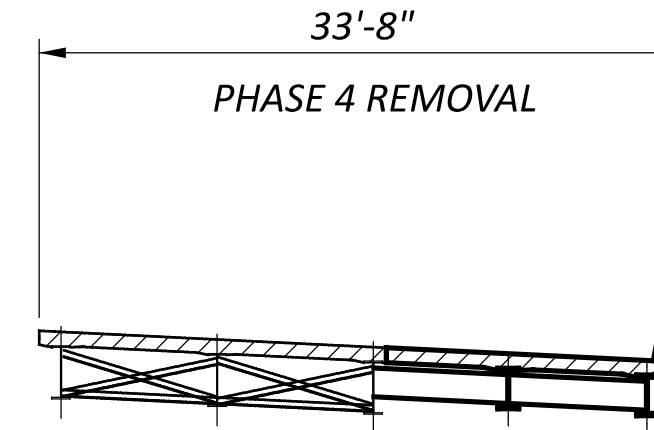
LEGEND:

DENOTES AREAS TO BE REMOVED PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

SFN 3109365	
DESIGN AGENCY	
DESIGNER	CHECKER
JGM	TDA
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
3	9
SHEET	
P.426	
TOTAL	
463	



PHASE 4 REMOVAL



PHASE 4 CONSTRUCTION

SUGGESTED SEQUENCE OF CONSTRUCTION:

PHASE 4 REMOVAL:


1. RELOCATE PCB AS SHOWN AND BEGIN PHASE 4 MOT.
2. REMOVE REMAINING PORTIONS OF EXISTING NORTHBOUND BRIDGE.

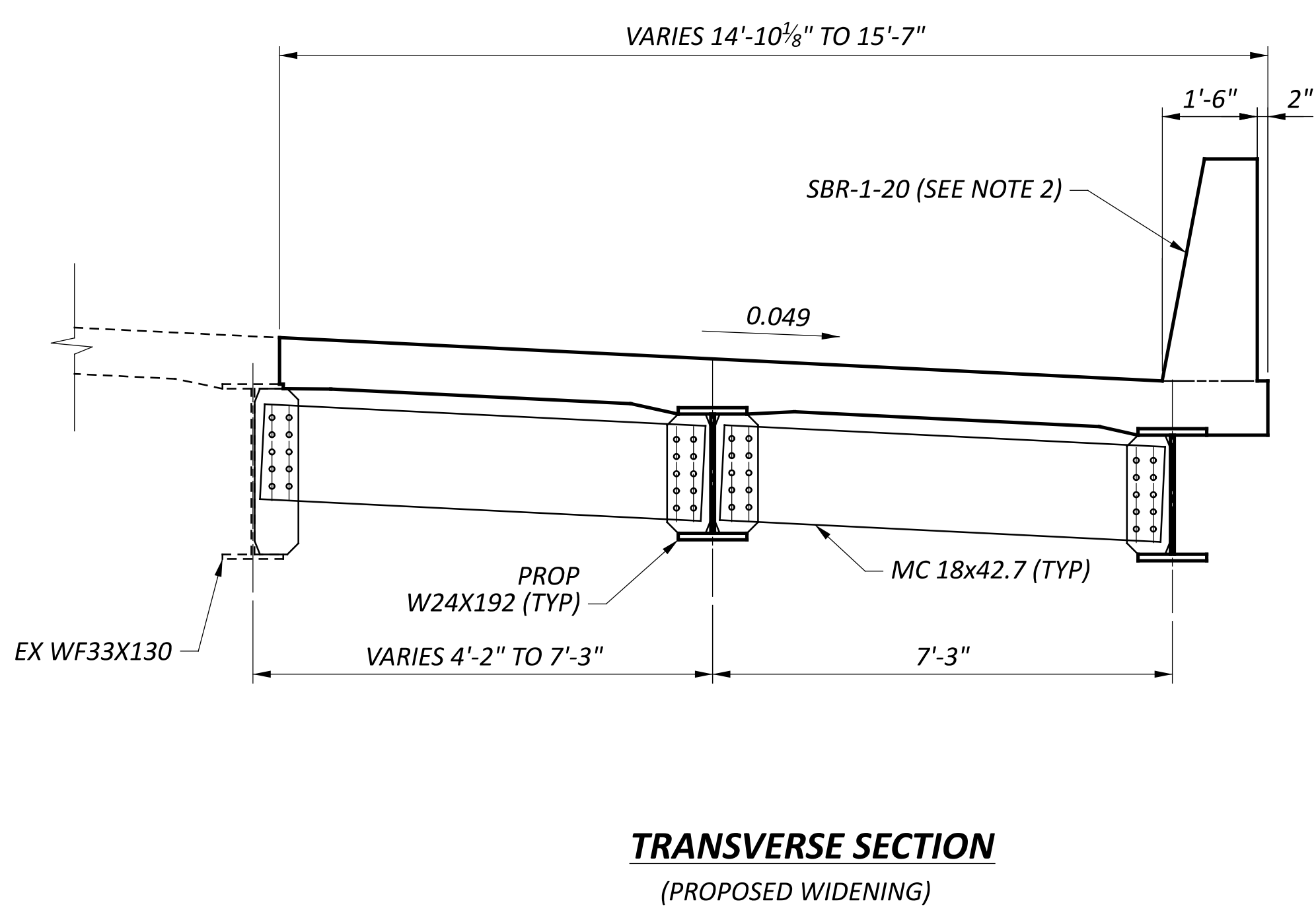
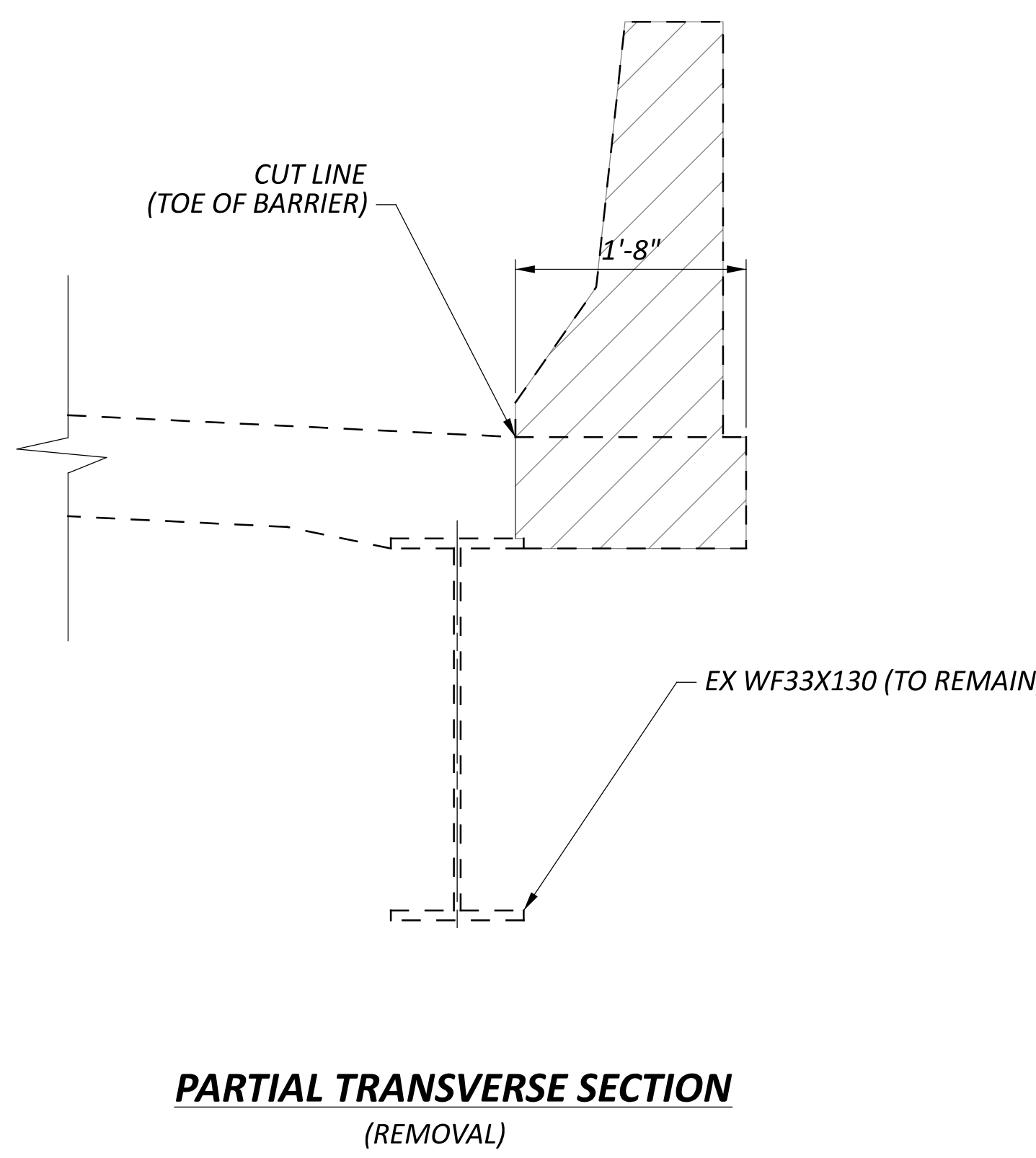
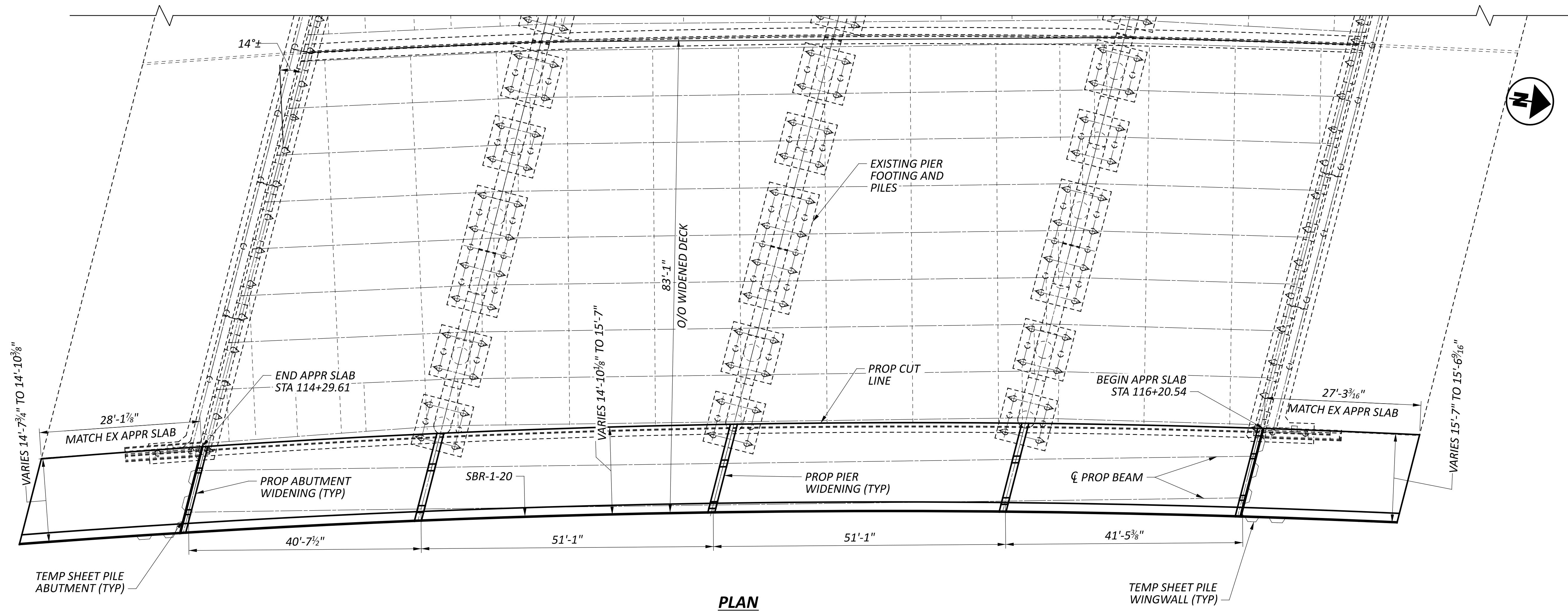
PHASE 4 CONSTRUCTION:

1. CONSTRUCT PROPOSED PILES, MSE WALLS AND ABUTMENTS FOR THE PHASE 4 LIMITS OF THE NORTHBOUND BRIDGE.
2. CONSTRUCT PROPOSED BEAMS, CROSSFRAMES, CONCRETE DECK AND RAILING FOR THE PHASE 4 LIMITS OF THE MAINLINE NORTHBOUND BRIDGE.
3. CONSTRUCT APPROACH SLABS

LEGEND:

 - DENOTES AREAS TO BE REMOVED PER ITEM 202 - STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN

SFN 3109365	
DESIGN AGENCY	
	
DESIGNER	CHECKER
JGM	TDA
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
4	9
SHEET	TOTAL
P.427	463

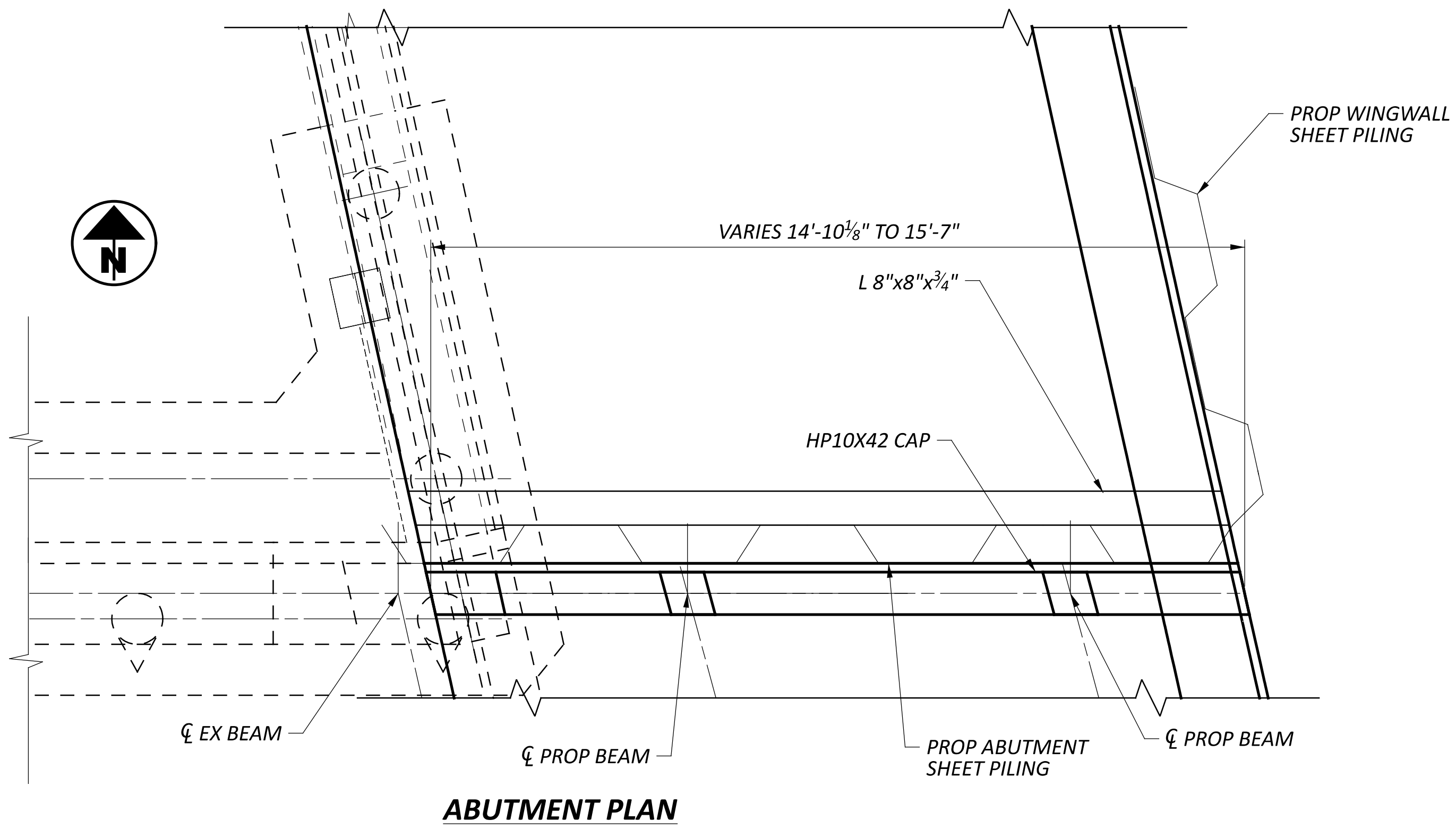


NOTE TO REVIEWER:

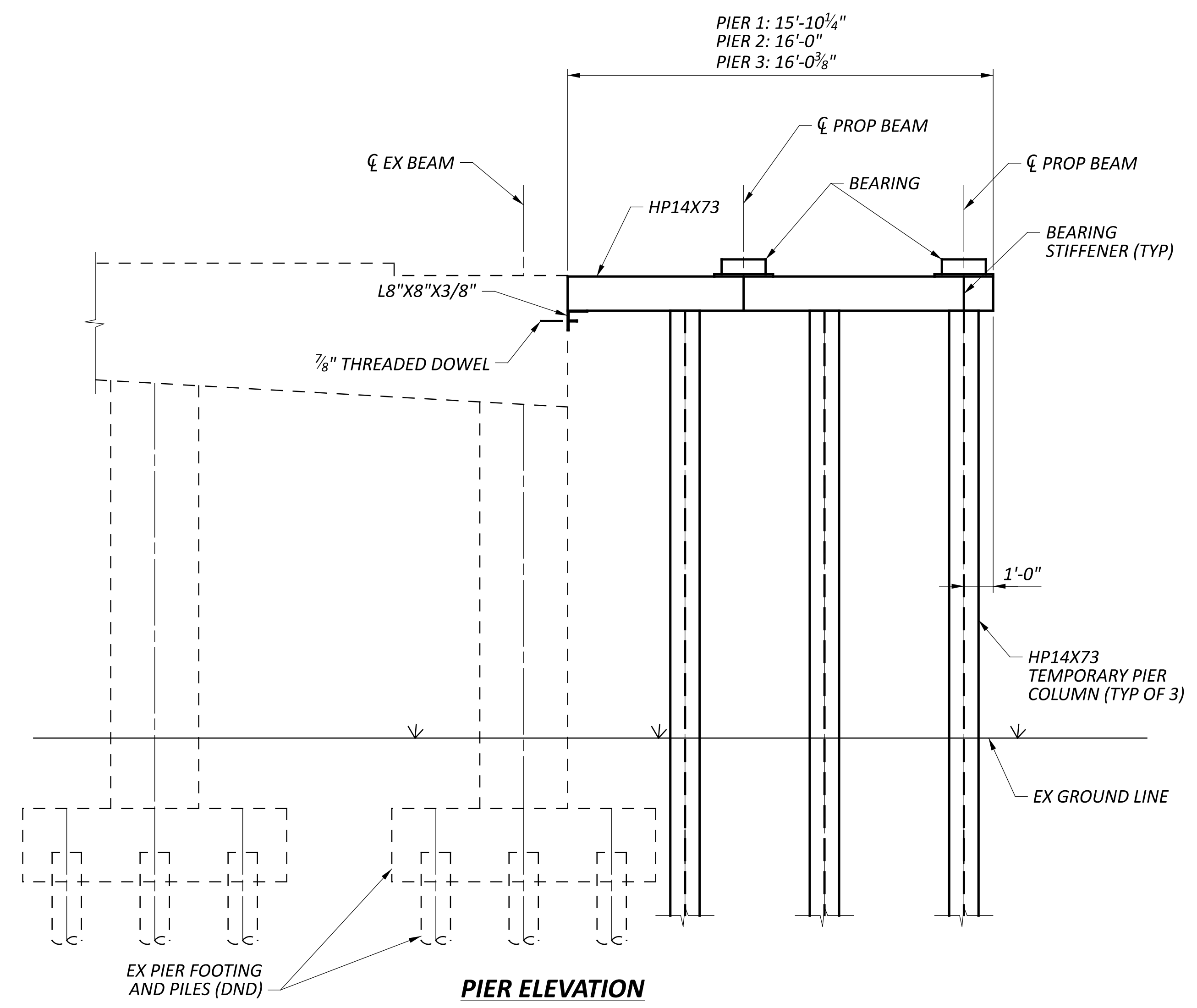
- AS TEMPORARY BRIDGE WIDENING WAS NOT IN THE ORIGINAL SCOPE, WE ARE PROVIDING DETAILS FOR THE WIDENING IN THE REPLACEMENT SUBSET. FURTHER COORDINATION WITH THE DISTRICT WILL DETERMINE IF THIS IS TO BE A STANDALONE PLAN SET. PLEASE REVIEW AND ADVISE ON ANY DISTRICT PREFERENCES AS IT PERTAINS TO THE TEMPORARY WIDENING DETAILS SHOWN.
- PLEASE ADVISE IF ODOT STANDARD RAILING AS SHOWN IS PREFERRED OR IF PCB IS ACCEPTABLE. THIS BARRIER WILL BE IN PLACE FOR SEVERAL YEARS AND WITH THE NEW DECK BEING PLACED BELOW THE BARRIER A CIP RAILING IS FEASIBLE TO CONSTRUCT IN THIS LOCATION.

TEMPORARY BRIDGE DETAILS
 BRIDGE NO. HAM-00075-02.172
 IR-75 OVER BANK STREET

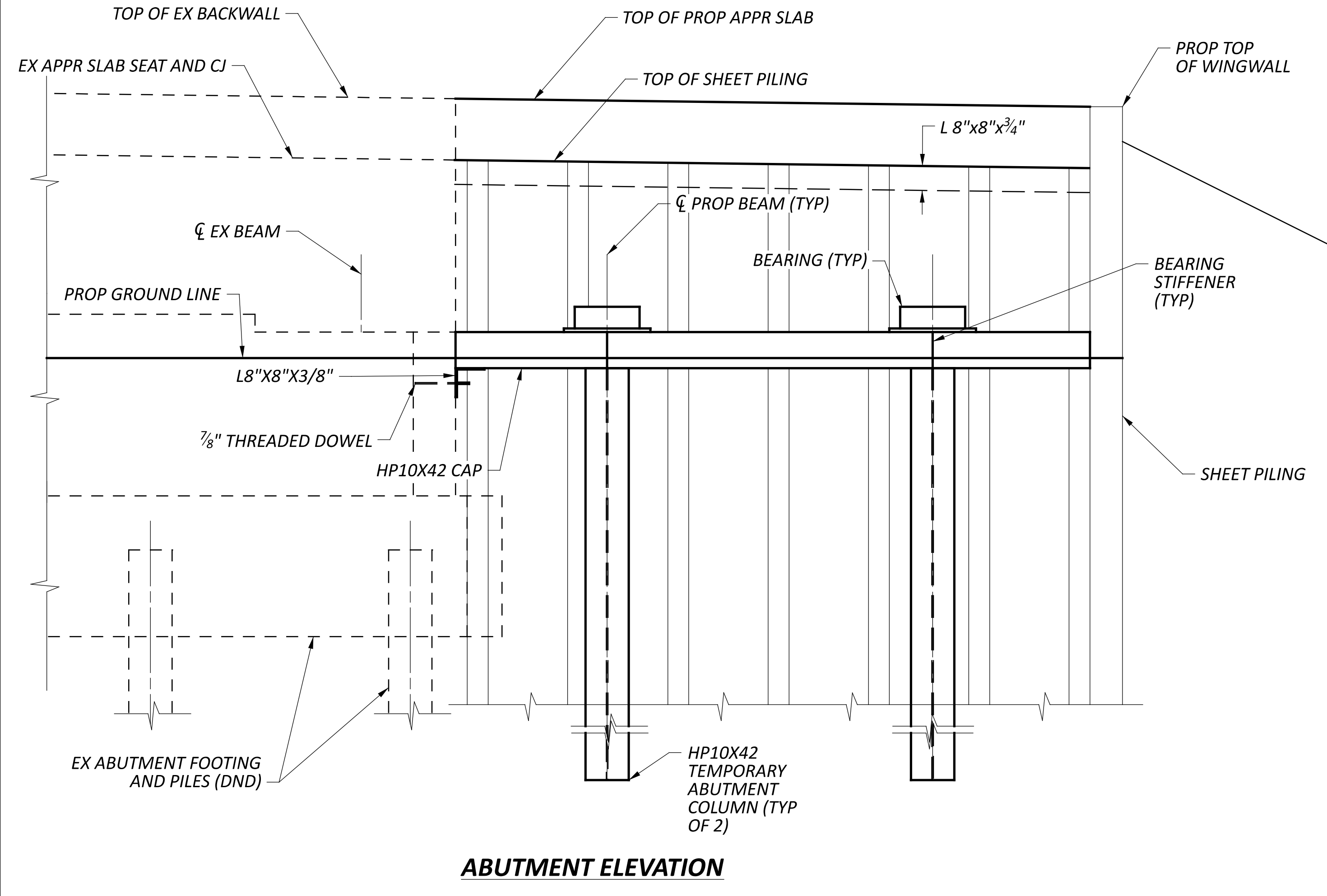
SFN	3109365
DESIGN AGENCY	EMHT
DESIGNER	CHECKER
JGM	TDA
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
5	9
SHEET	TOTAL
P.428	463



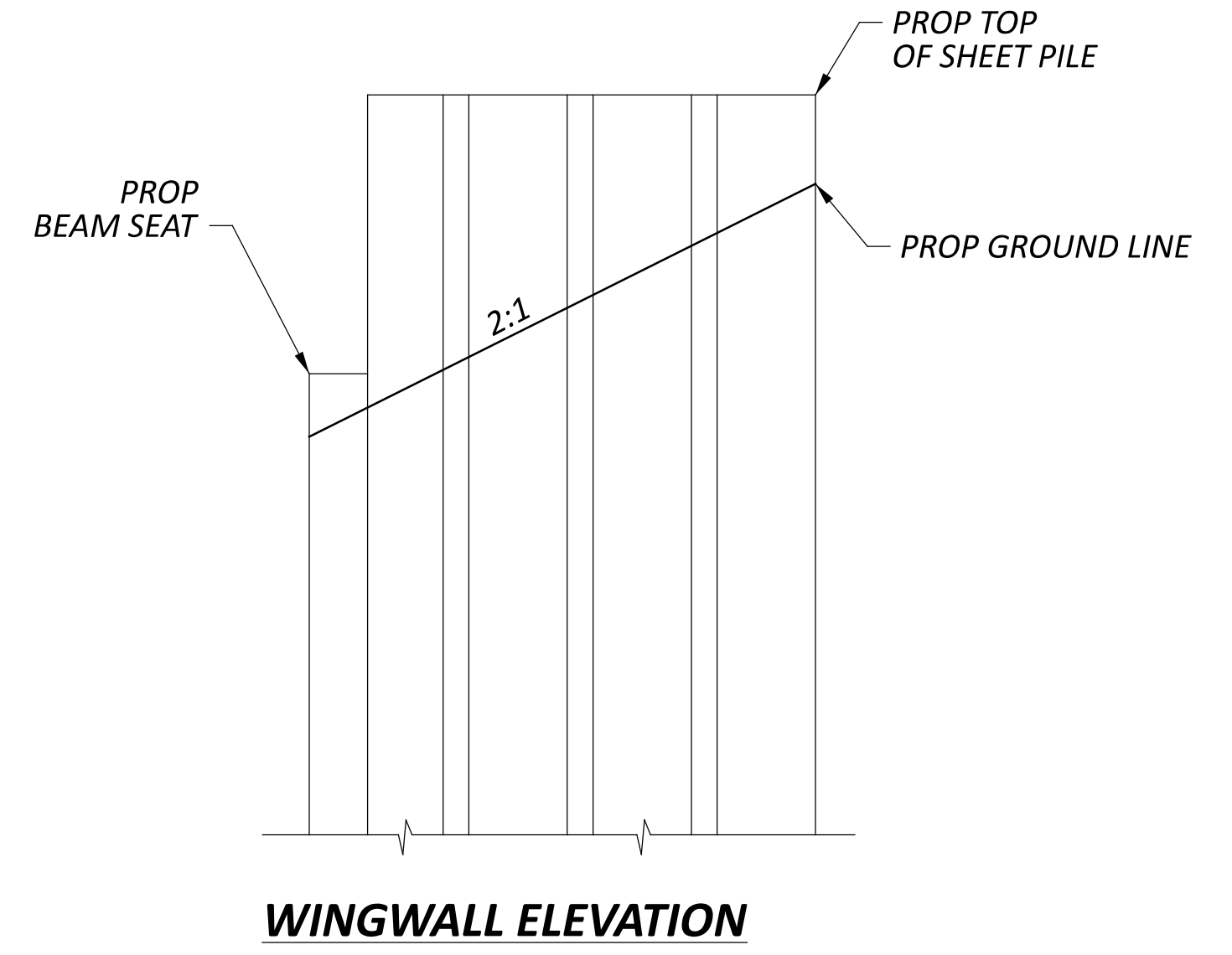
ABUTMENT PLAN



PIER ELEVATION

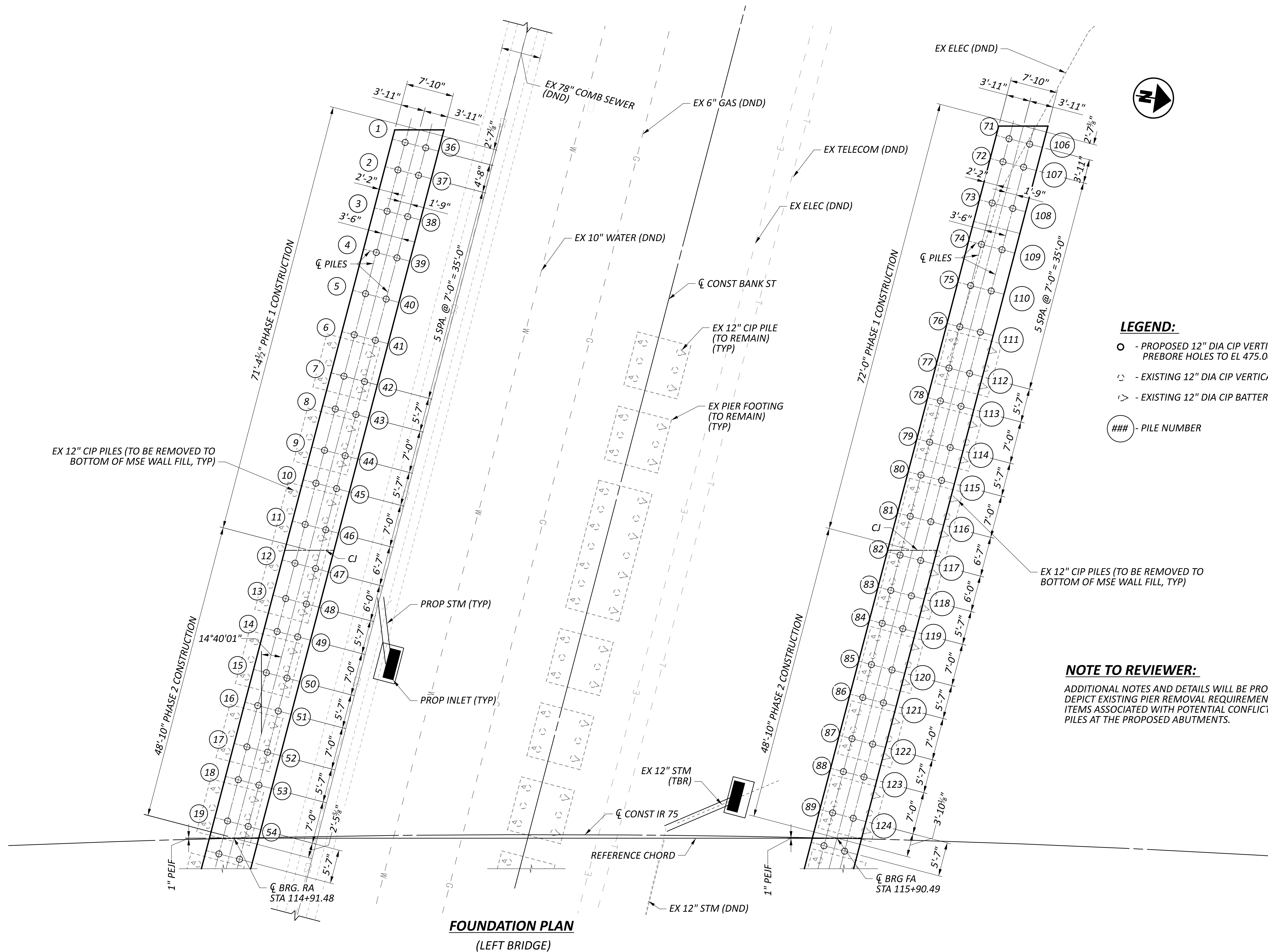


ABUTMENT ELEVATION



WINGWALL ELEVATION

SFN	3109365
DESIGN AGENCY	EMHT
DESIGNER	JGM
CHECKER	TDA
REVIEWER	CAS
PROJECT ID	114161
SUBSET	6
TOTAL	9
SHEET	P.429
TOTAL	463



LEGEND:

- - PROPOSED 12" DIA CIP VERTICAL PILE
PREBORE HOLES TO EL 475.00 (REAR ABUTMENT ONLY)
- - EXISTING 12" DIA CIP VERTICAL PILE
- ◊ - EXISTING 12" DIA CIP BATTERED PILE
- ### - PILE NUMBER

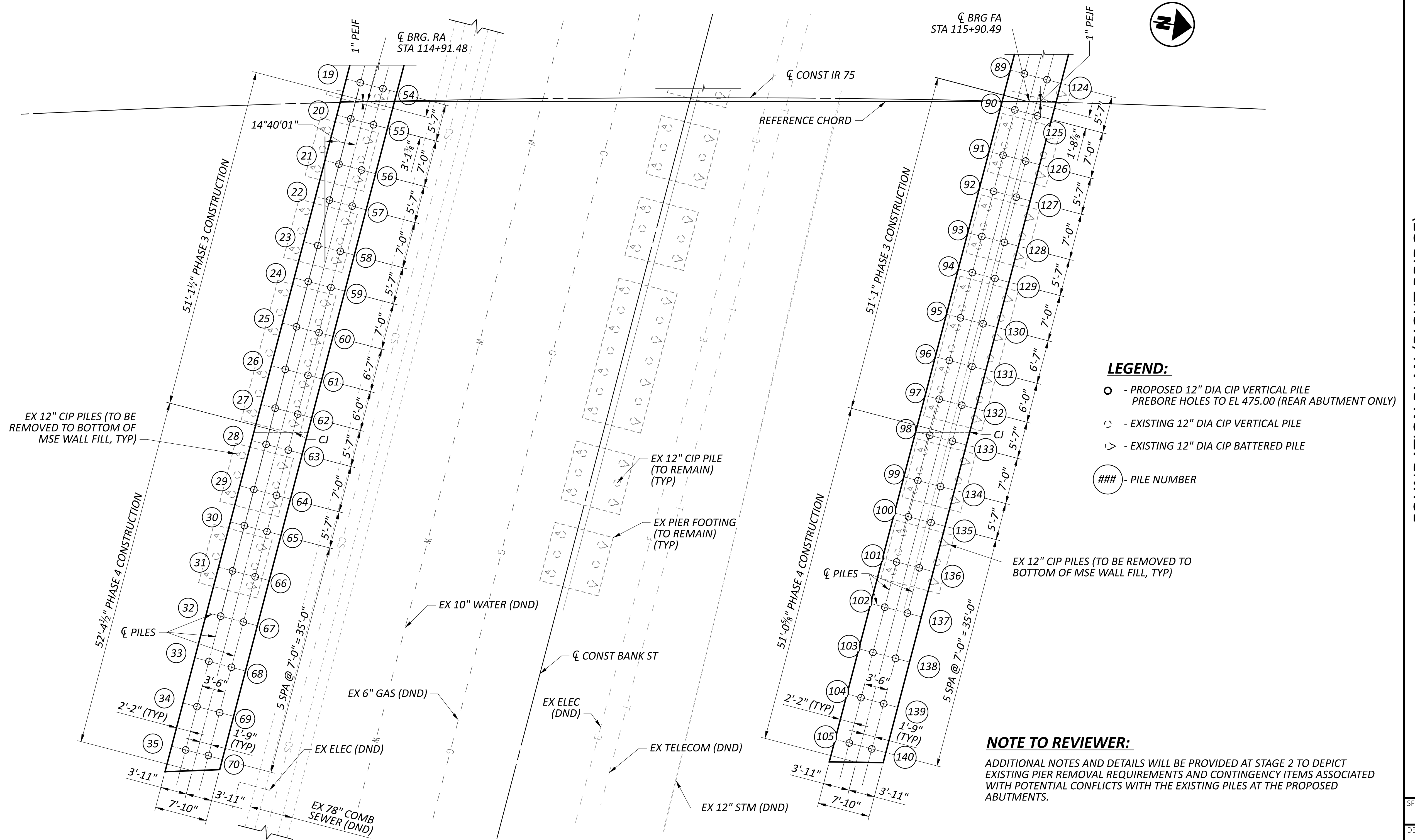
NOTE TO REVIEWER:

ADDITIONAL NOTES AND DETAILS WILL BE PROVIDED AT STAGE 2 TO DEPICT EXISTING PIER REMOVAL REQUIREMENTS AND CONTINGENCY ITEMS ASSOCIATED WITH POTENTIAL CONFLICTS WITH THE EXISTING PILES AT THE PROPOSED ABUTMENTS.

FOUNDATION PLAN
(LEFT BRIDGE)

FOUNDATION PLAN (LEFT BRIDGE)
 BRIDGE NO. HAM-00075-02.172
 IR-75 OVER BANK STREET

SFN	
3109365	
DESIGN AGENCY	
EMHT	
DESIGNER	CHECKER
JGM	TDA
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
7	9
SHEET	
P.430	
TOTAL	
463	



- LEGEND:**
- - PROPOSED 12" DIA CIP VERTICAL PILE
PREBORE HOLES TO EL 475.00 (REAR ABUTMENT ONLY)
 - - EXISTING 12" DIA CIP VERTICAL PILE
 - ▽ - EXISTING 12" DIA CIP BATTERED PILE
 - ### - PILE NUMBER

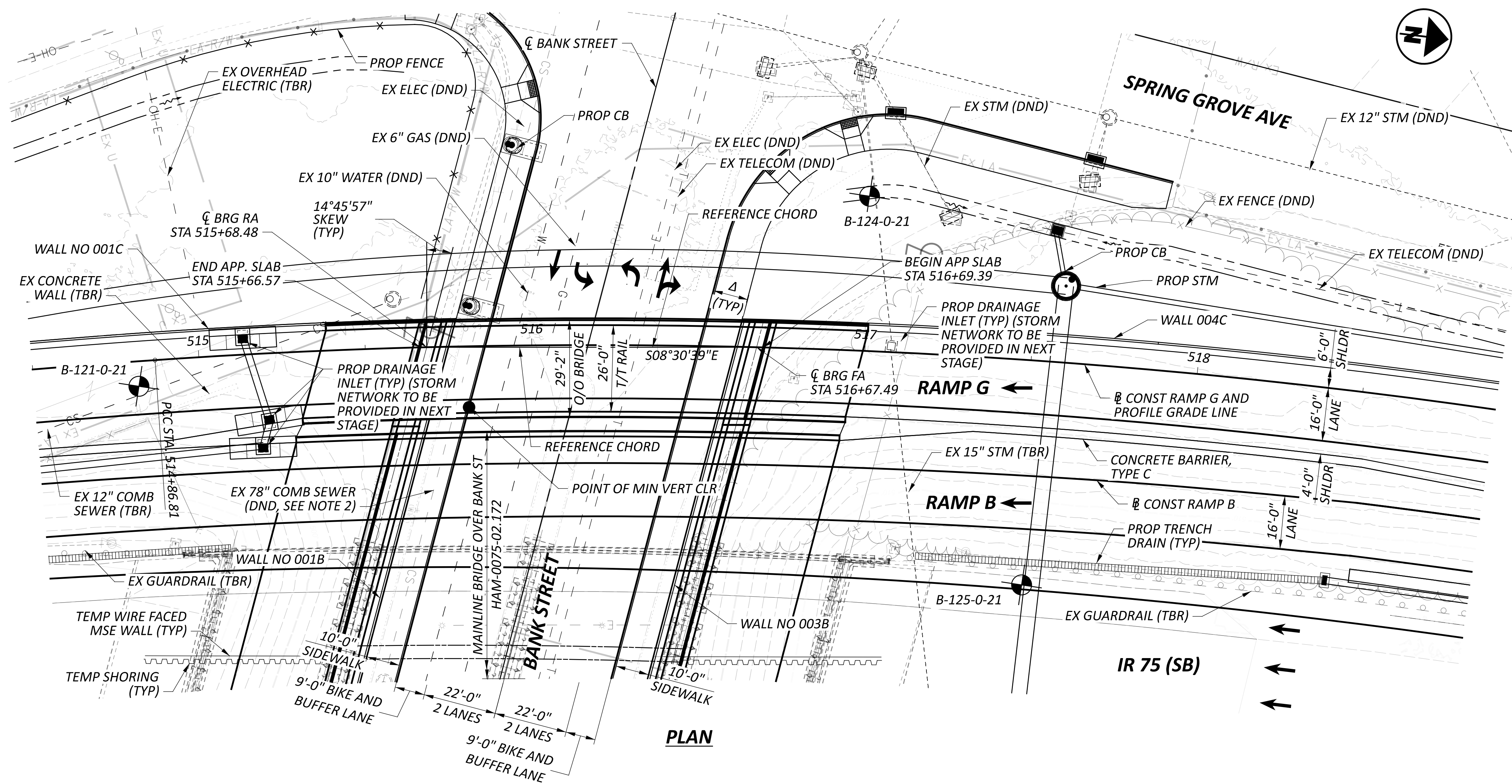
NOTE TO REVIEWER:
 ADDITIONAL NOTES AND DETAILS WILL BE PROVIDED AT STAGE 2 TO DEPICT EXISTING PIER REMOVAL REQUIREMENTS AND CONTINGENCY ITEMS ASSOCIATED WITH POTENTIAL CONFLICTS WITH THE EXISTING PILES AT THE PROPOSED ABUTMENTS.

FOUNDATION PLAN
 (RIGHT BRIDGE)

FOUNDATION PLAN (RIGHT BRIDGE)
 BRIDGE NO. HAM-00075-02.172
 IR-75 OVER BANK STREET

SFN	
3109365	
DESIGN AGENCY	
EMHT	
DESIGNER	CHECKER
JGM	TDA
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
8	9
SHEET	TOTAL
P.431	463

MODEL: Plan Ramp G over Bank St PAPER/SCALE: 34x22 (in.) DATE: 6/20/2024 TIME: 1:47:56 PM USER: abrahamkhalil
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CONTROL POINT DATA*

CP #1 STA.	105+87.14,	ELEV.	506.50,	OFFSET	141.01,	RT
CP #2 STA.	124+31.09,	ELEV.	501.22,	OFFSET	178.50,	RT

* STATIONS AND OFFSETS ARE ALONG \bar{C} CONST IR 75.
 FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.3 - P.5 /463

- NOTES**
- EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.
 - EXACT WALL THICKNESS IS NOT KNOWN. MSD HAS REQUESTED A 3' WALL THICKNESS BE SHOWN ON THIS PIPE. ADDITIONAL INFORMATION WILL BE PROCURED PRIOR TO STAGE 2.

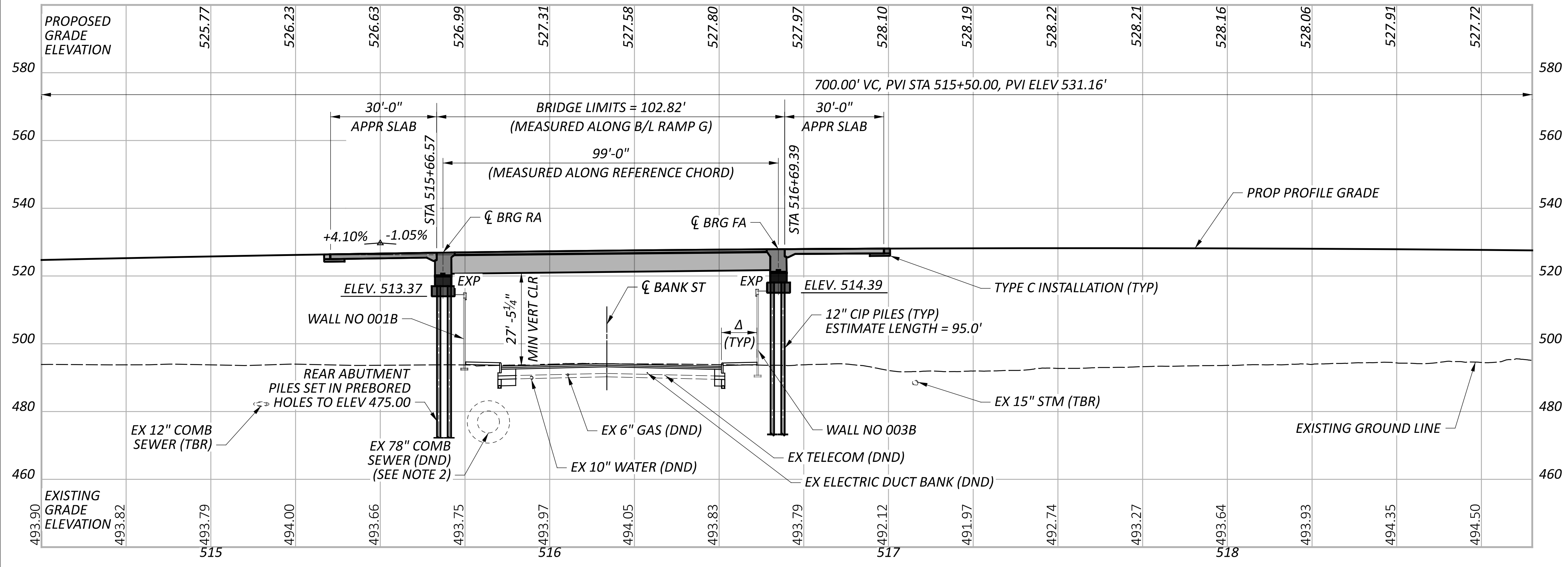
DESIGN TRAFFIC:

2029 ADT =	7,150	2029 ADTT =	858
2049 ADT =	7,350	2049 ADTT =	882

- LEGEND**
- BORING LOCATION
 - 16'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
27'-5 1/4" ACTUAL MINIMUM VERTICAL CLEARANCE
 - 10'-0" REQUIRED HORIZONTAL CLEARANCE
10'-8" ACTUAL HORIZONTAL CLEARANCE

RAMP G CURVE DATA
 P.I. = STA. 517+86.50
 Δ = 17°50'09" RT
 Dc = 03°00'00"
 R = 1,909.86'
 T = 299.69'
 L = 594.53'
 E = 23.37'

PLAN



PROFILE ALONG \bar{B} RAMP G

PROPOSED STRUCTURE

TYPE: SEMI-INTEGRAL SINGLE-SPAN PRESTRESSED GIRDER WITH COMPOSITE REINFORCED CONCRETE DECK, SUPPORTED ON SEMI-INTEGRAL ABUTMENTS BEHIND MSE WALLS

SPANS: 99'-0" C/C BRGS (MEASURED ALONG REFERENCE CHORD)

ROADWAY: VARIES (SEE PLAN)

LOADING: VEHICULAR LIVE LOAD: HL-93
 FUTURE WEARING SURFACE: 0.06 KIPS/FT

SKEW: 14°45'57" LF (MEASURED PERPENDICULAR TO REFERENCE CHORD)

WEARING SURFACE: 1" MONOLITHIC CONCRETE

APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15)

ALIGNMENT: 2°30'00" CURVE

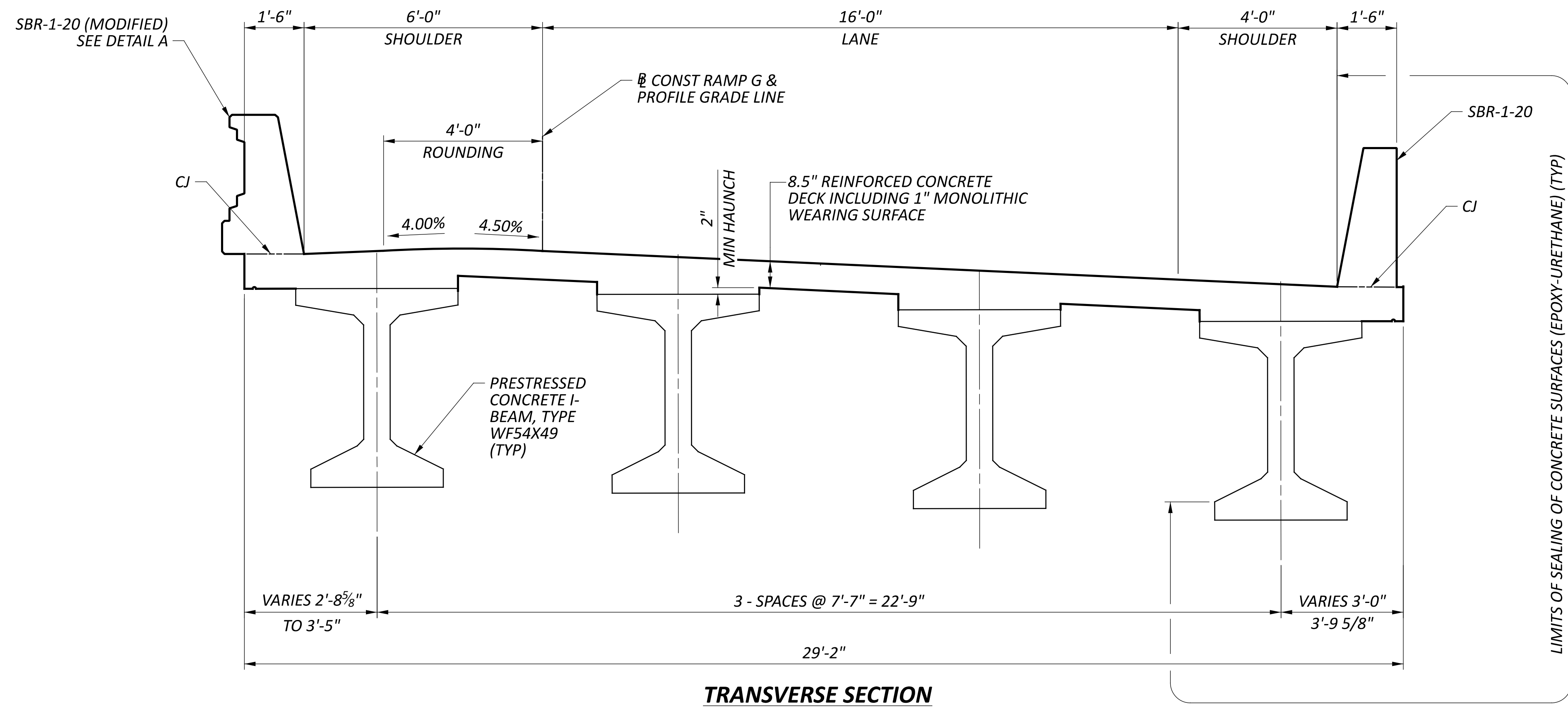
SUPERELEVATION: 0.045 FT/FT

COORDINATES: LATITUDE 39° 7' 10.93" N
 LONGITUDE 84° 32' 09.34" W

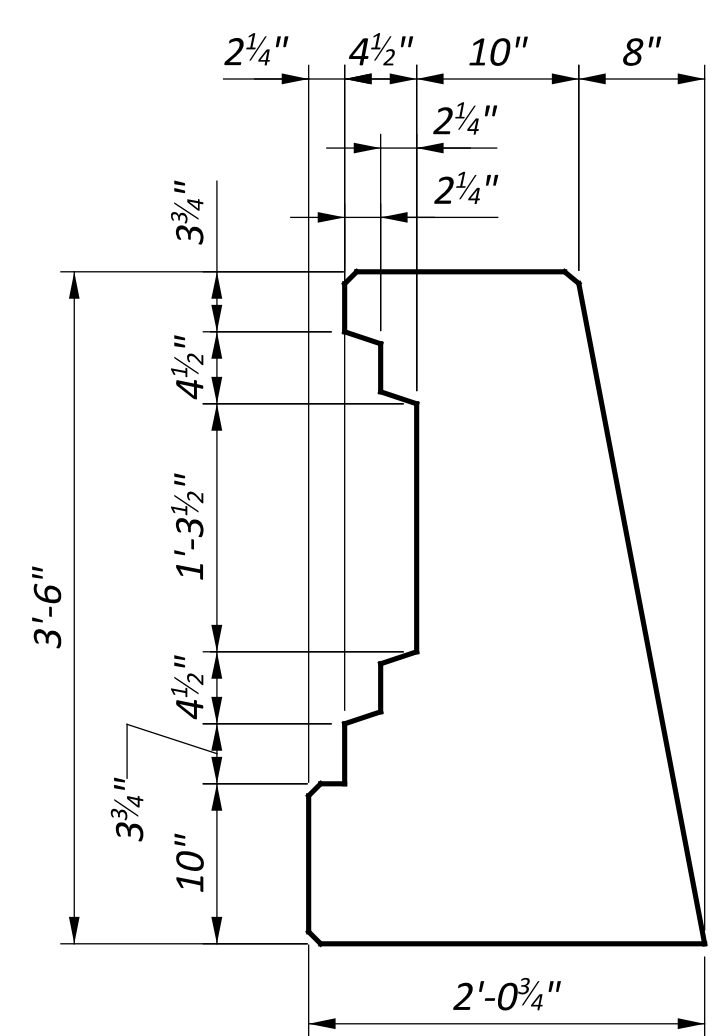
DECK AREA: 2999 SF

SITE PLAN
BRIDGE NO. HAM-00075-02.179
RAMP G OVER BANK STREET

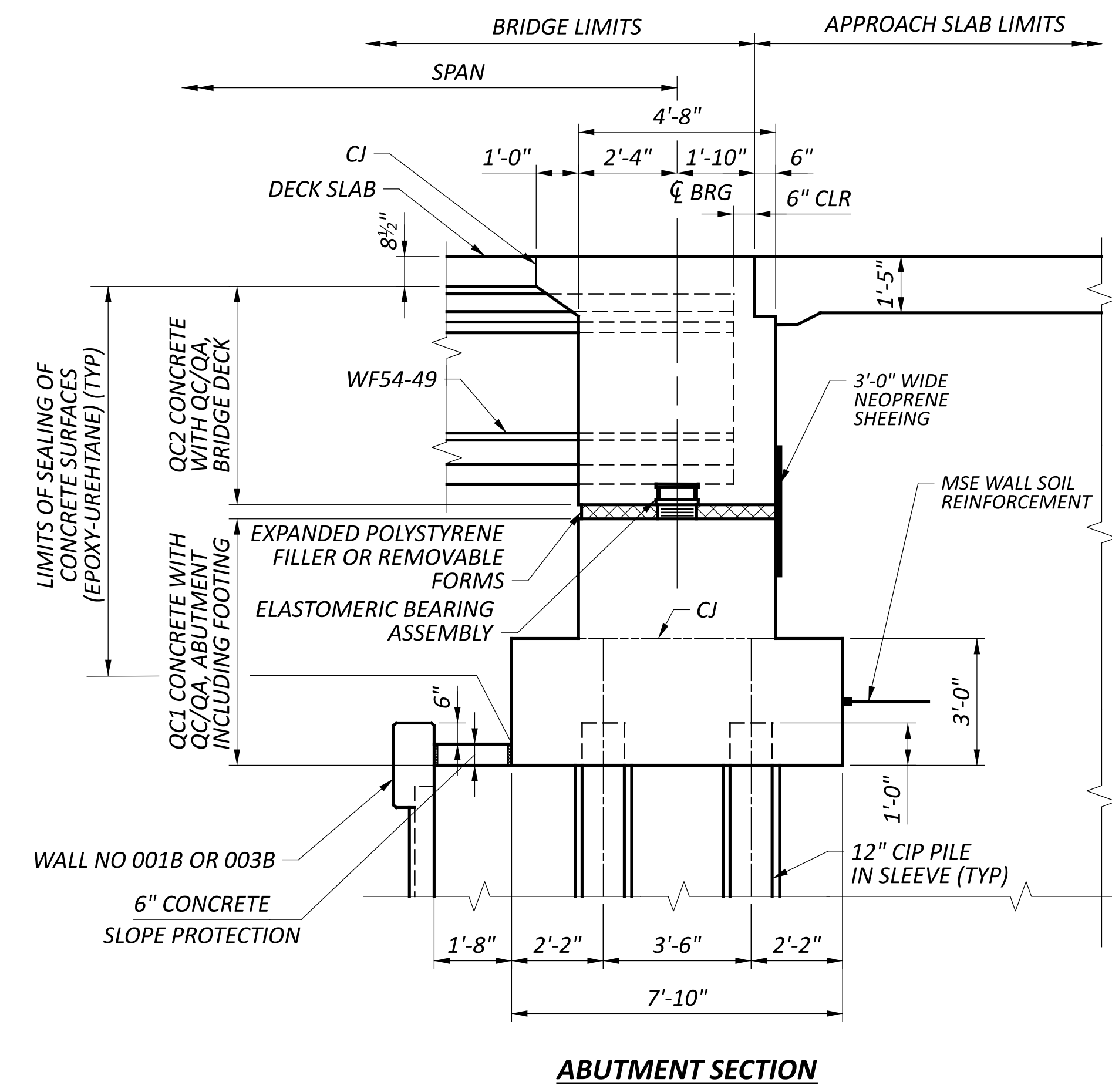
SFN	3109366
DESIGN AGENCY	EMHT
DESIGNER	AI
CHECKER	JGM
REVIEWER	CAS
CAS	06/21/24
PROJECT ID	114161
SUBSET	1
TOTAL	2
SHEET	P.433
TOTAL	463



TRANSVERSE SECTION
 (RAMP G BRIDGE IS CONSTRUCTED IN PHASE 1 CONSTRUCTION)



DETAIL A

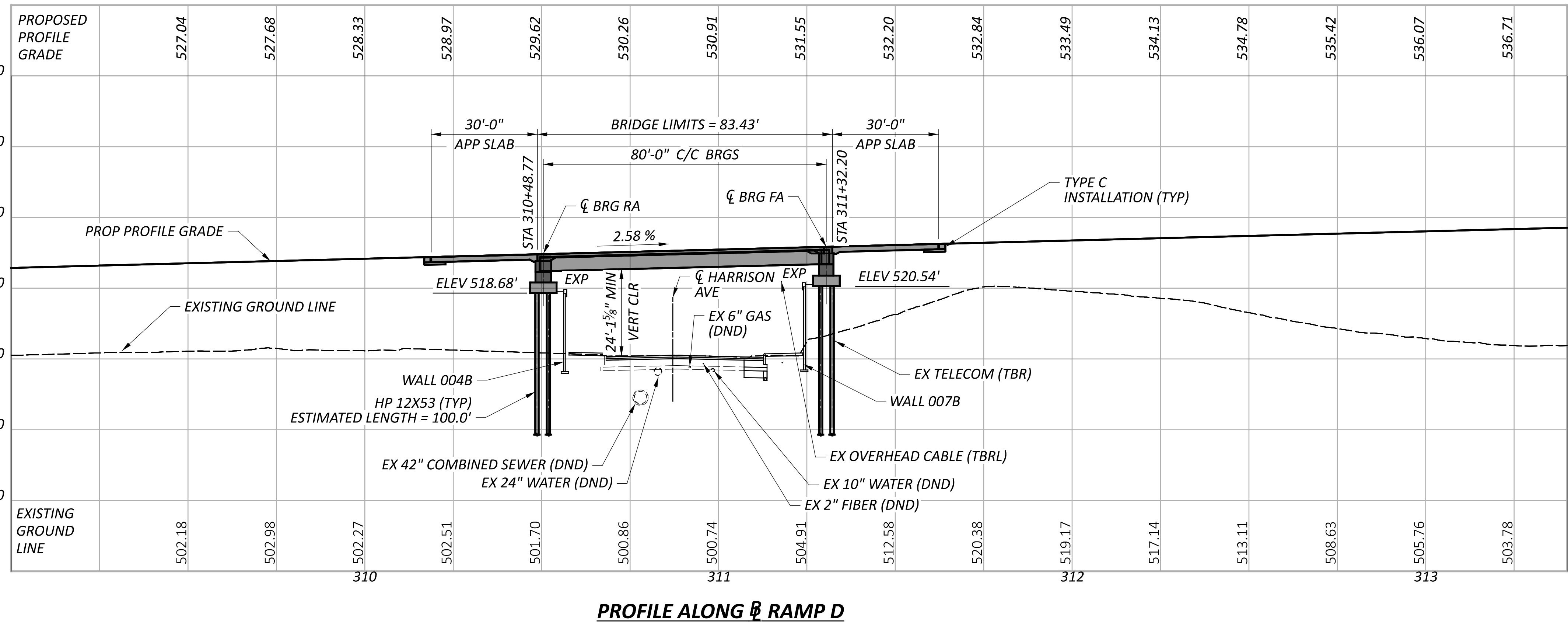
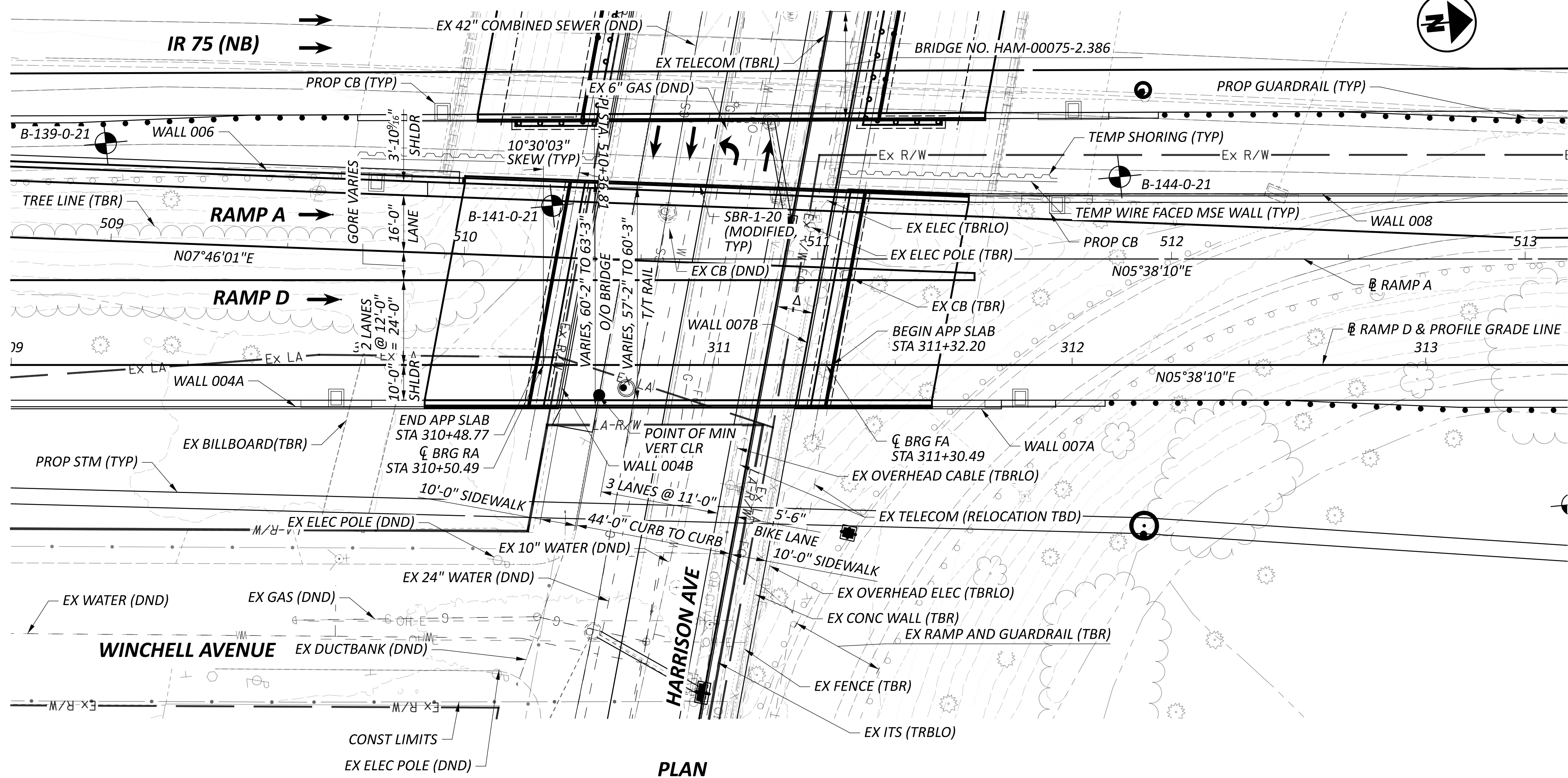


ABUTMENT SECTION

TRANSVERSE SECTION & ABUTMENT SECTION
 BRIDGE NO. HAM-00075-02.179
 RAMP G OVER BANK STREET

SFN	
3109366	
DESIGN AGENCY	
EMHT	
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
2	2
SHEET TOTAL	
P.434	463

MODEL: PLAN_RAMP D PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 1:49:35 PM USER: abrahimkhail
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CONTROL POINT DATA*

CP #1 STA.	124+31.09,	ELEV.	501.22,	OFFSET	178.50,	RT
CP #2 STA.	135+03.11,	ELEV.	508.78,	OFFSET	169.34,	RT

* STATIONS AND OFFSET ARE ALONG C CONST IR 75.

FOR ADDITIONAL CONTROL POINT INFORMATION. SEE ROADWAY PLAN SHEET P.3 - P.5 / 463

NOTES
 EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:

RAMP A:		
2029 ADT =	18,900	2029 ADTT = 3,024
2049 ADT =	19,450	2049 ADTT = 3,112
RAMP D:		
2029 ADT =	16,300	2029 ADTT = 978
2049 ADT =	16,600	2049 ADTT = 996

- LEGEND**
- ◆ - BORING LOCATION
 - - 16'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
 - - 24'-1 1/8" ACTUAL MINIMUM VERTICAL CLEARANCE
 - △ - 10'-0" REQUIRED HORIZONTAL CLEARANCE
 - - 10'-8" ACTUAL HORIZONTAL CLEARANCE

PROPOSED STRUCTURE

TYPE: SEMI-INTEGRAL SINGLE-SPAN PRESTRESSED I-BEAM WITH COMPOSITE REINFORCED CONCRETE DECK SUPPORTED ON SEMI-INTEGRAL ABUTMENTS BEHIND MSE WALLS

SPANS: 80'-0" C/C BRGS

ROADWAY: VARIES TOE/TOE PARAPET

LOADING: VEHICULAR LIVE LOAD: HL93
 FUTURE WEARING SURFACE: 0.06 KIPS/FT

SKEW: 10°30'03" LF (MEASURED PERP TO RAMP D)

WEARING SURFACE: 1" MONOLITHIC CONCRETE

APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15)

ALIGNMENT: TANGENT

CROWN: 0.016 FT/FT

COORDINATES: LATITUDE N 39°07'21.49"
 LONGITUDE W 84°32'05.46"

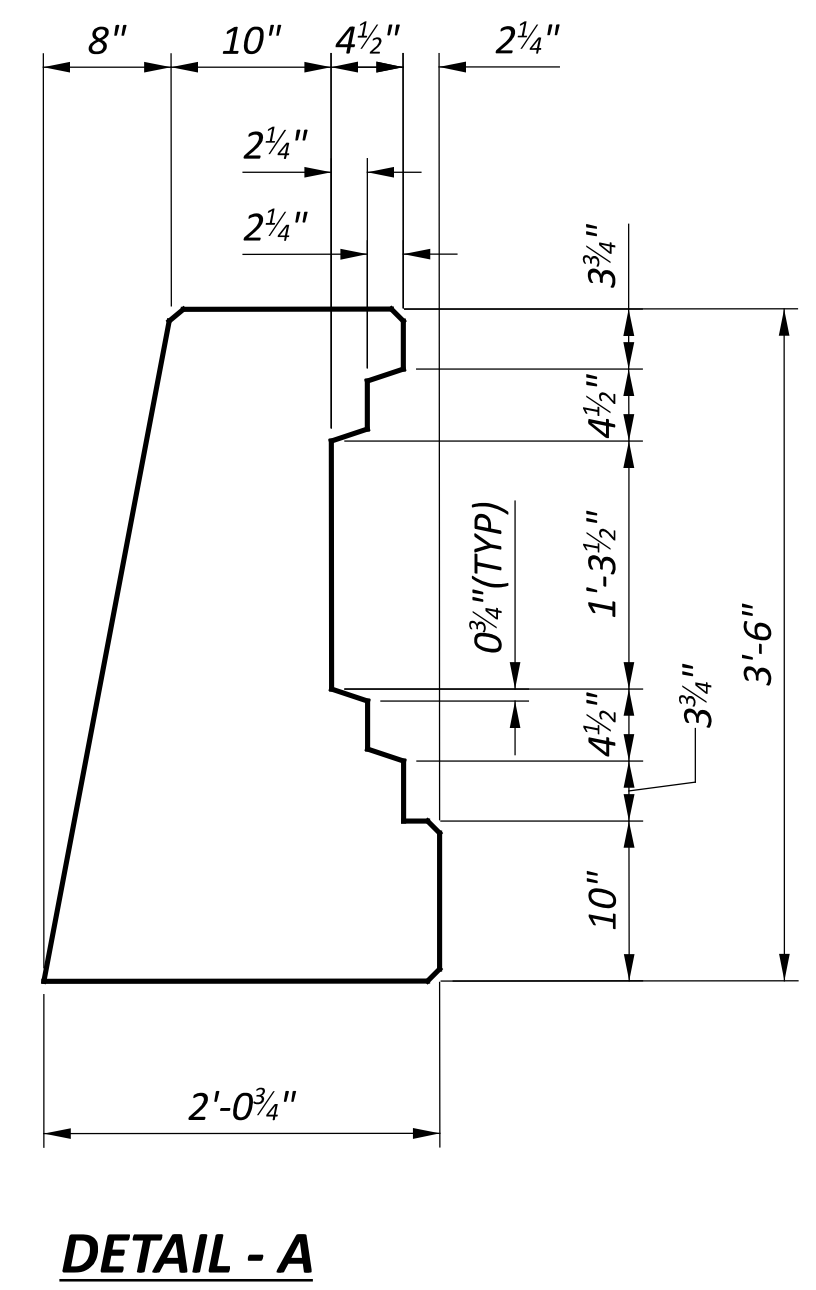
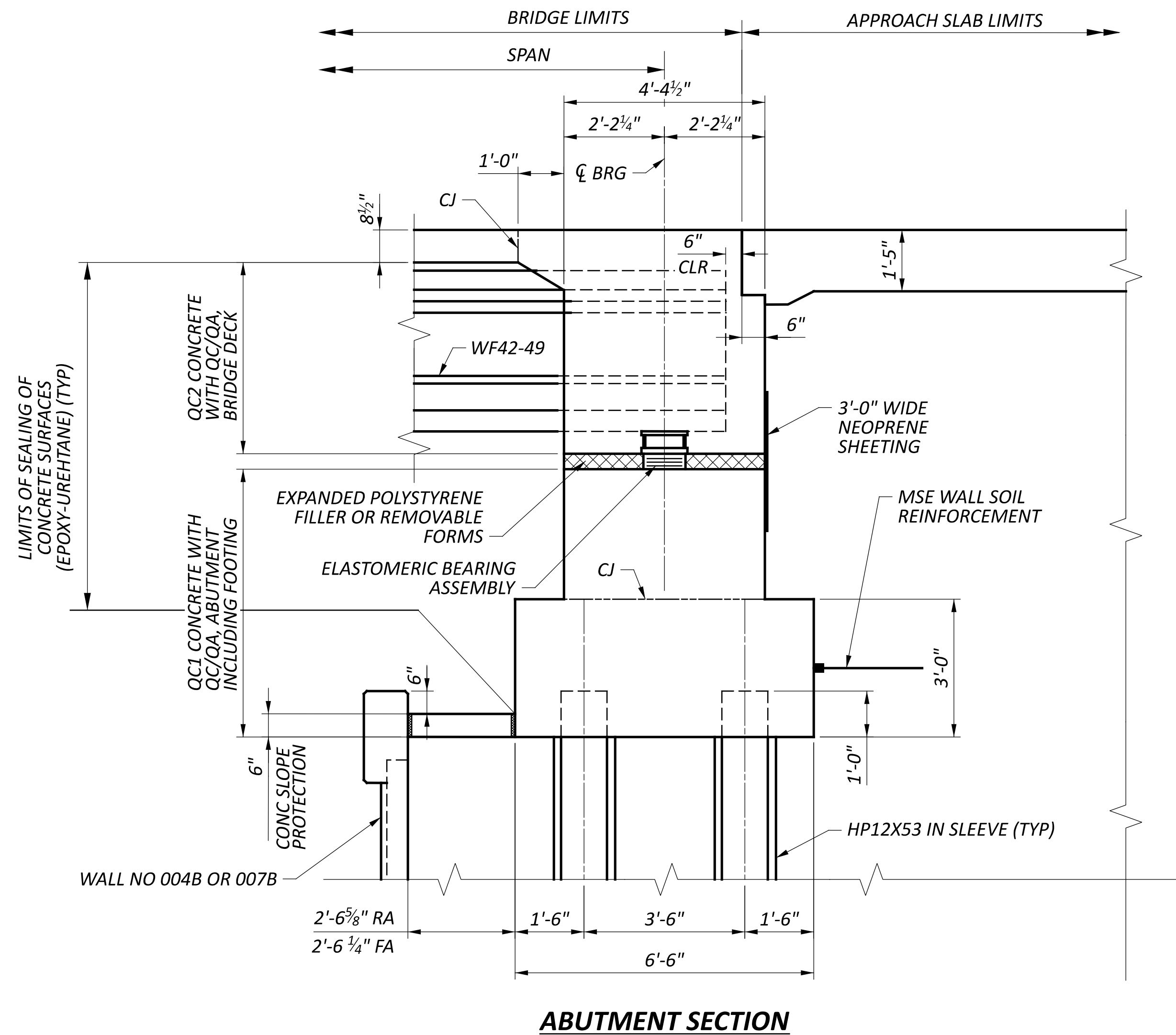
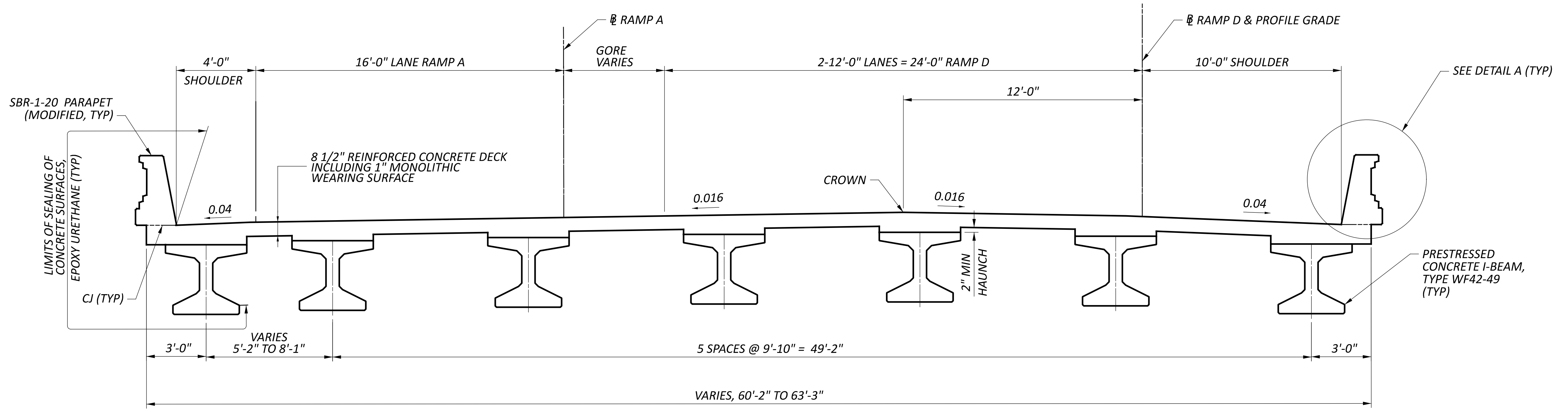
DECK AREA: 5010 SF

SITE PLAN

BRIDGE NO. HAM-00075-02.381

RAMP A&D OVER HARRISON ROAD

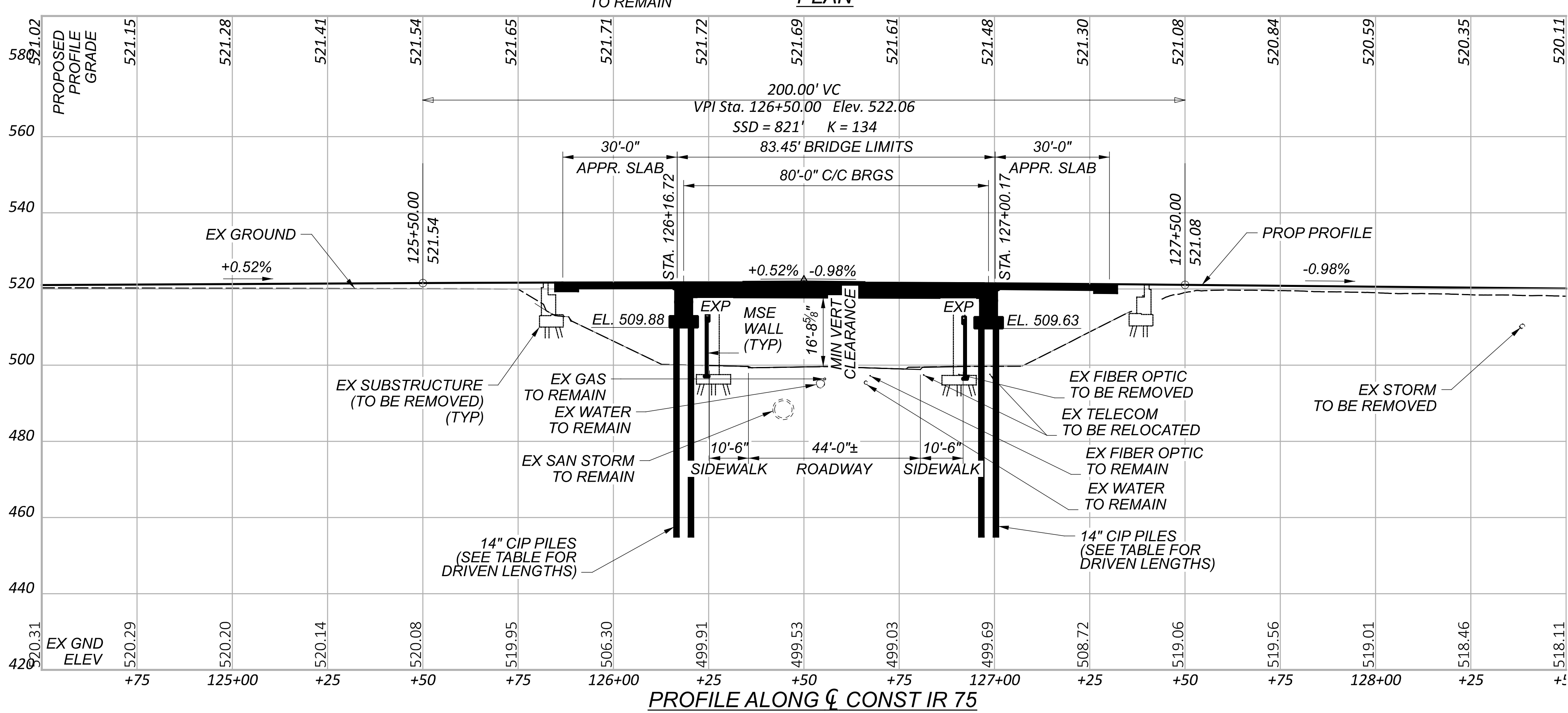
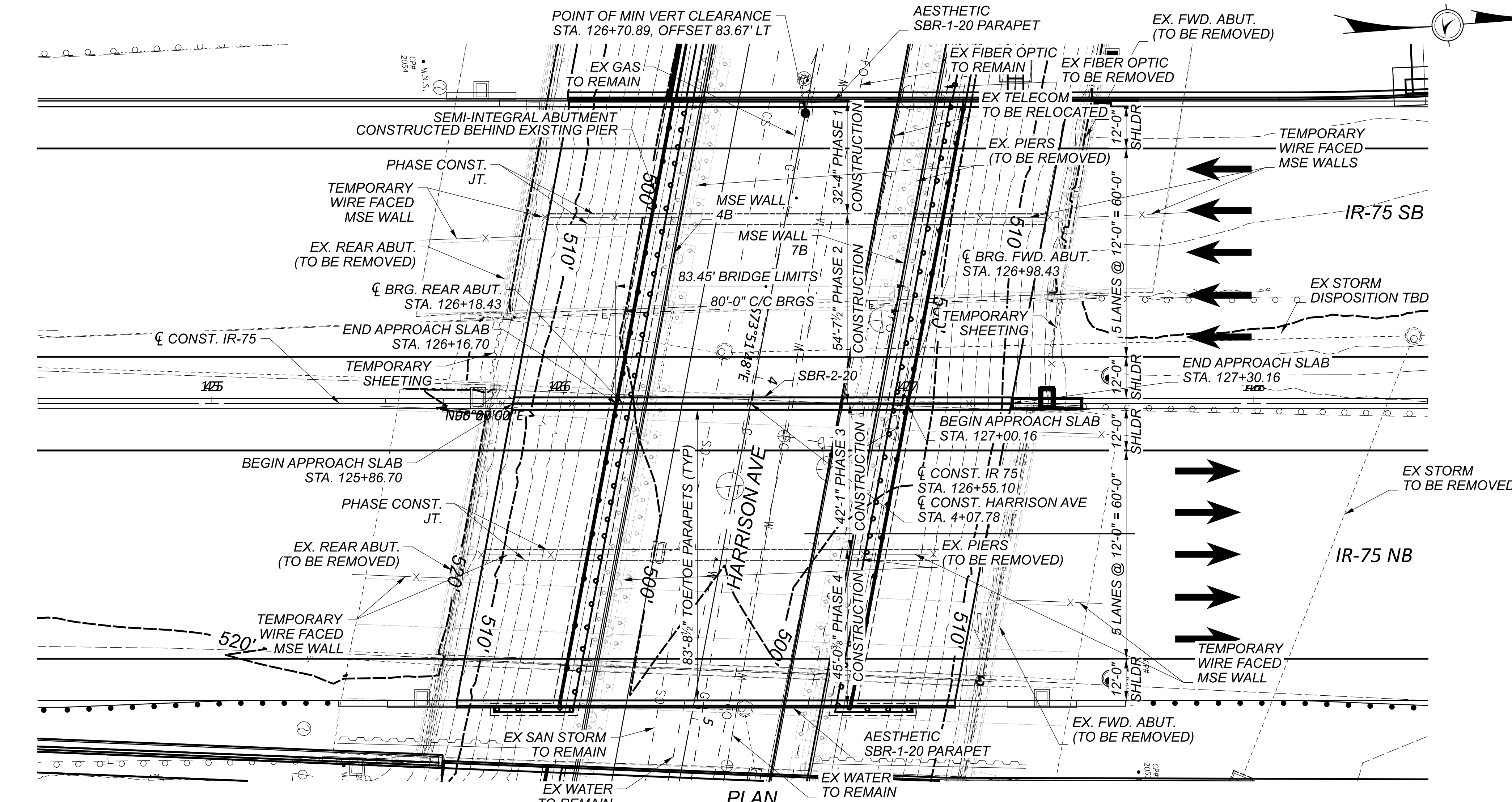
SFN	3109401
DESIGN AGENCY	EMHT
DESIGNER	AI
CHECKER	JGM
REVIEWER	CAS
PROJECT ID	114161
SUBSET	1
TOTAL	2
SHEET	P.435
TOTAL	463



TRANSVERSE SECTION & ABUTMENT SECTION
 BRIDGE NO. HAM-00075-02.381
 RAMP A&D OVER HARRISON ROAD

SFN	
3109401	
DESIGN AGENCY	
EMHT	
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS 06/21/24	
PROJECT ID	
114161	
SUBSET	TOTAL
2	2
SHEET	
P.436	TOTAL 463

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:40:27 PM USER: stony
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CONTROL POINT DATA*

CP #1 STA.	124+31.09,	ELEV.	501.22,	OFFSET	178.50,	RT
CP #2 STA.	135+03.11,	ELEV.	508.78,	OFFSET	169.34,	RT

* STATIONS AND OFFSETS ARE ALONG C CONST IR 75.

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.3 - P.5 /463

NOTES
 EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
 2029 ADT = 164,850 2030 ADTT = 26,376
 2049 ADT = 189,800 2050 ADTT = 30,368
 DIRECTIONAL DISTRIBUTION = 52%

LEGEND
 BOREING LOCATION
 16'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
 16'-8 3/8" ACTUAL MINIMUM VERTICAL CLEARANCE
 83.67' LEFT OFFSET

DRIVEN PILE LENGTH TABLE

ABUTMENT	LEFT BRIDGE	RIGHT BRIDGE
REAR	55'	75'
FORWARD	55'	75'

EXISTING STRUCTURE

TYPE: CONTINUOUS ROLLED STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
 SPANS: 45'-6"±, 65'-0"±, 45'-6"± C/C BRGS. (LEFT)
 45'-0"±, 64'-0"±, 45'-0"± C/C BRGS. (RIGHT)
 ROADWAY: VARIES, 80'-0"± TO 85'-9"± TOE/TOE PARAPETS (LEFT)
 107'-2"± TOE/TOE PARAPETS (RIGHT)
 LOADING: CF 2000 (57) (LEFT & RIGHT)
 SKEW: 12° 40'45"± LEFT FORWARD (LEFT)
 8°28' 09"± LEFT FORWARD (RIGHT)
 WEARING SURFACE: 1" MONOLITHIC CONCRETE (LEFT & RIGHT)
 APPROACH SLABS: AS-1-54 (25'-0" LONG) (LEFT & RIGHT)
 ALIGNMENT: TANGENT (LEFT)
 00°31' 15"± CURVE RIGHT (RIGHT)
 STRUCTURE FILE NUMBER: 3109399 (LEFT)
 3109429 (RIGHT)
 DATE BUILT: 1961
 DISPOSITION: TO BE REMOVED AS NEEDED

PROPOSED STRUCTURE

TYPE: SINGLE SPAN PRESTRESSED CONCRETE BEAMS (WF42-49) WITH REINFORCED CONCRETE DECK ON SEMI-INTEGRAL ABUTMENTS WITH MSE RETAINING WALL
 SPANS: 80'-0" C/C BEARINGS
 ROADWAY: 83'-8 1/2" NB & SB TOE/TOE PARAPET
 LOADING: HL93 AND 60 PSF FUTURE WEARING SURFACE
 SKEW: 10° 41' 11" LEFT FORWARD
 WEARING SURFACE: 1" MONOLITHIC CONCRETE
 APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15)
 ALIGNMENT: TANGENT
 CROWN: 0.016 FT/FT
 DECK AREA: 14,520 SF
 COORDINATES: LATITUDE N 39° 07' 21.91"
 LONGITUDE W 84° 32' 07.41"

SITE PLAN
 BRIDGE NO. HAM-75-2.386
 IR-75 OVER HARRISON AVENUE

SFN	3109400
DESIGN AGENCY	GANNETT FLEMING
DESIGNER/CHECKER	SAT VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	TOTAL
1	9
SHEET	TOTAL
P.437	463

PENTABLE: 114161_BW.tbl

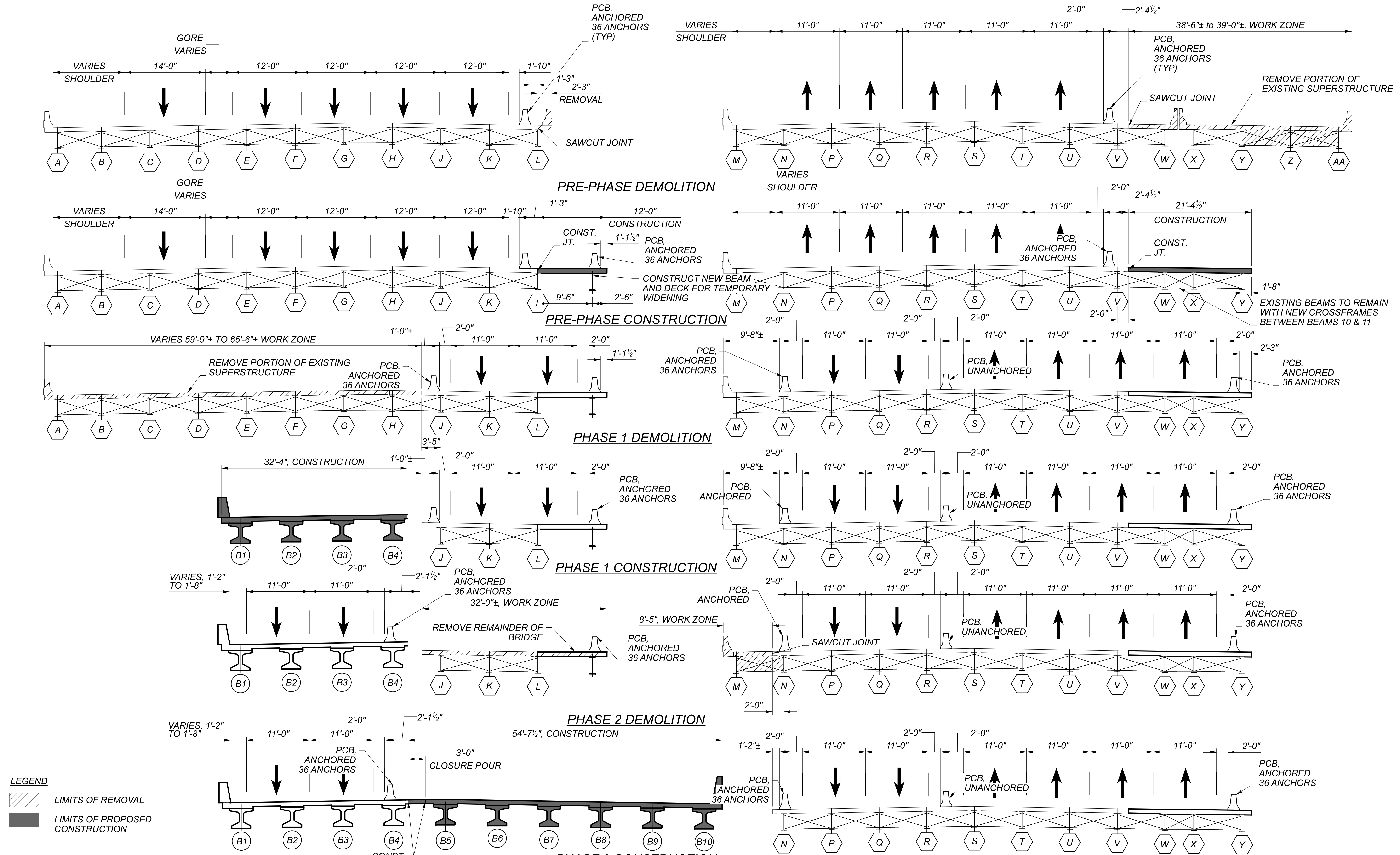
PLOT DRIVER: OHDOT_PDF.plt

SUBMITAL: SUB_STG

PENTABLE SUBSET: 1

HAM-75-1.95

MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:41:01 PM USER: stony
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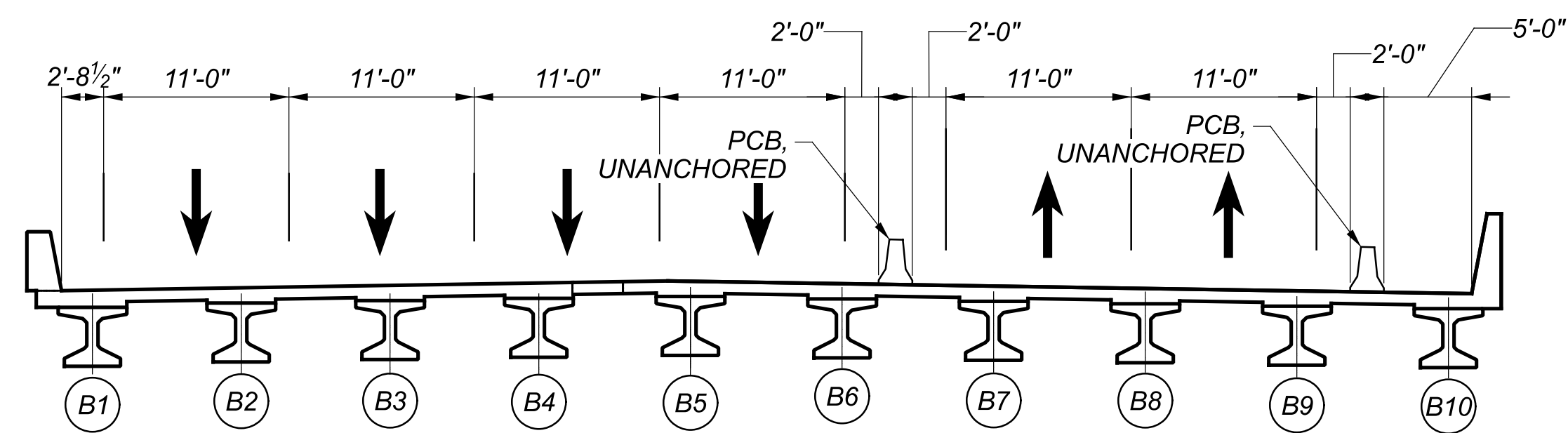


- SEQUENCE OF CONSTRUCTION**
- PREPHASE REMOVAL:**
1. INSTALL PCB AND SHIFT TRAFFIC AS SHOWN.
 2. REMOVE 1'-7" OF EXISTING PARAPET AND BRIDGE DECK ON LEFT BRIDGE.
 3. REMOVAL OF EXISTING DECK VARIES FROM 38'-6" TO 39'-0" ON RIGHT BRIDGE. REMOVE BEAMS Z AND AA ALONG WITH THEIR CROSSFRAMES.
- PREPHASE CONSTRUCTION:**
4. CONSTRUCT 11'-4" OF TEMPORARY LEFT BRIDGE, INCLUDING PILES, ABUTMENT, PIERS, BEAMS, CONCRETE DECK, AND ANCHORED PCB.
 5. CONSTRUCT 21'-4 1/2" OF TEMPORARY RIGHT DECK SUPERSTRUCTURE ON EXISTING BEAMS W THROUGH Y INCLUDING CROSSFRAMES BETWEEN BEAMS W AND X.

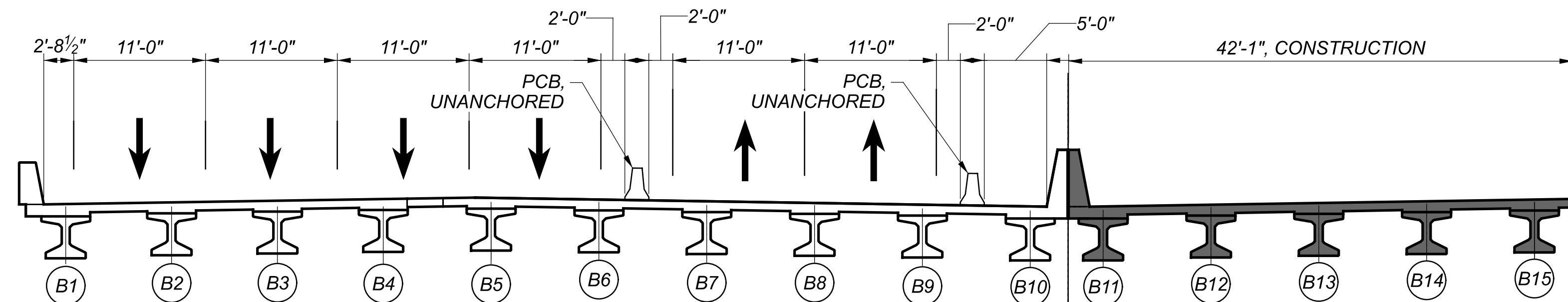
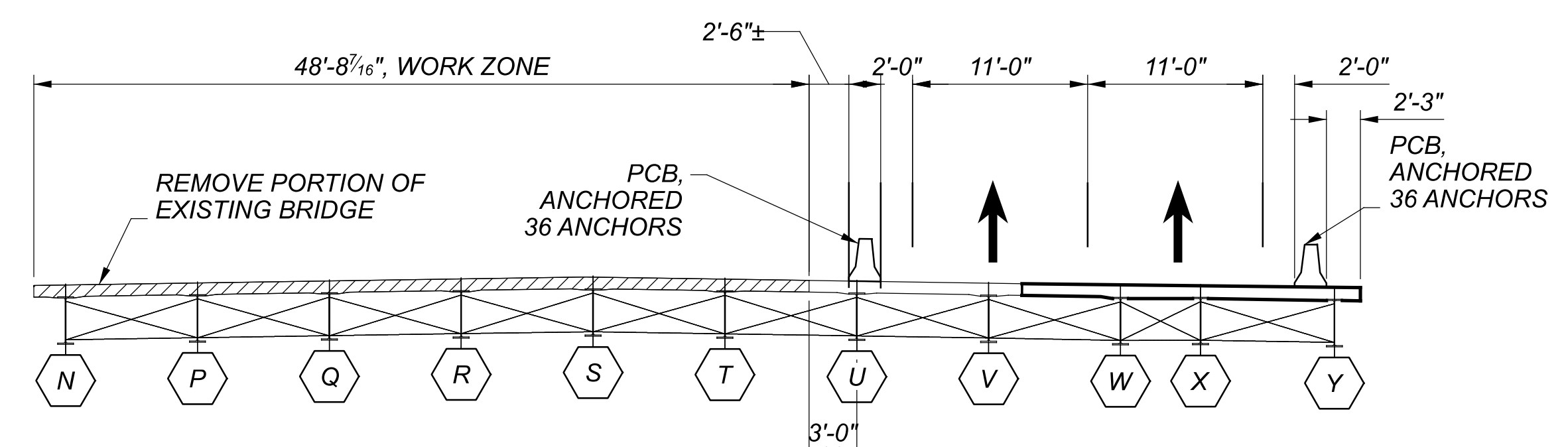
- PHASE 1:**
4. INSTALL PCB AND SHIFT TRAFFIC AS SHOWN.
 5. REMOVE 59'-9" TO 65'-6" OF THE EXISTING LEFT BRIDGE.
 6. CONSTRUCT 32'-4" OF PROPOSED LEFT BRIDGE, ALONG WITH PROPOSED ABUTMENT, PILES, AND MSE WALLS.
- PHASE 2:**
4. INSTALL PCB AND SHIFT TRAFFIC AS SHOWN.
 5. REMOVE REMAINDER OF EXISTING LEFT BRIDGE ALONG WITH 8'-5" OF EXISTING RIGHT BRIDGE.
 6. CONSTRUCT REMAINDER OF PROPOSED LEFT BRIDGE ALONG WITH PROPOSED ABUTMENT, PILES, AND MSE WALLS.

PHASED CONSTRUCTION SHEETS (1 OF 2)
 BRIDGE NO. HAM-75-2.386
 IR-75 OVER HARRISON AVENUE

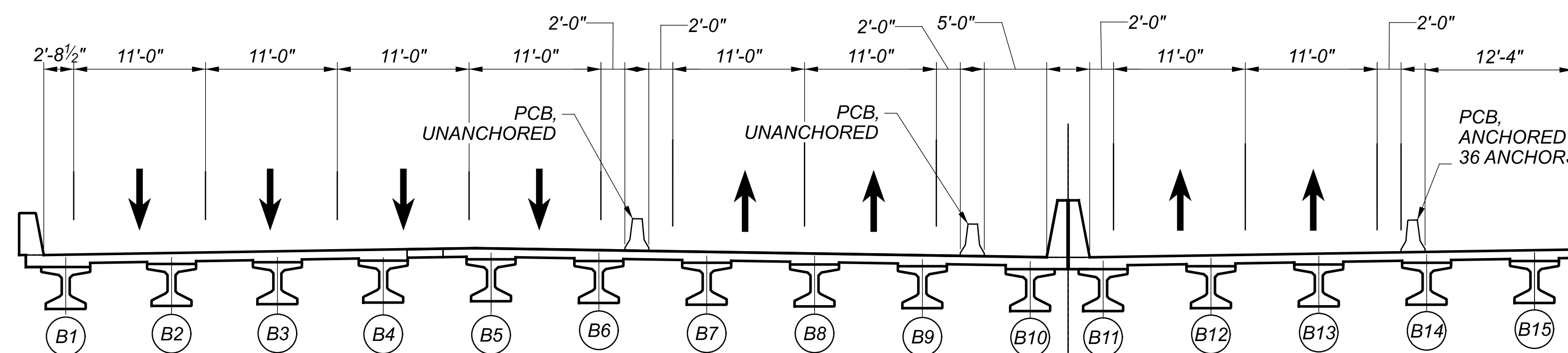
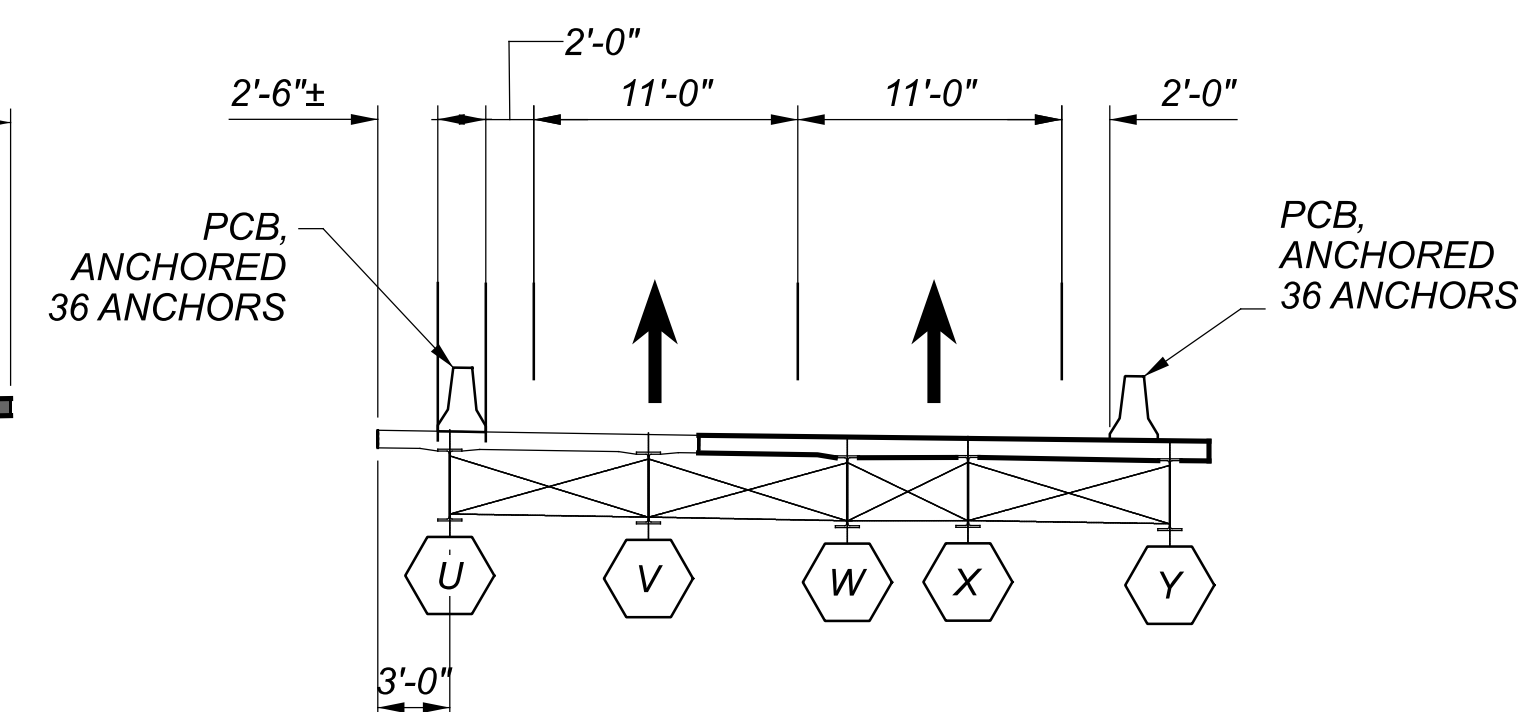
SFN	3109400
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	SAT
CHECKER	MTO
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	2
TOTAL	9
SHEET	P.438
TOTAL	463



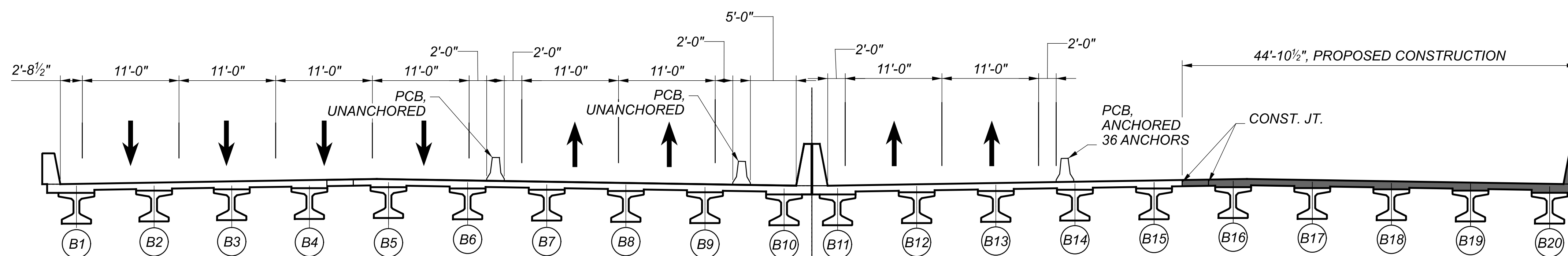
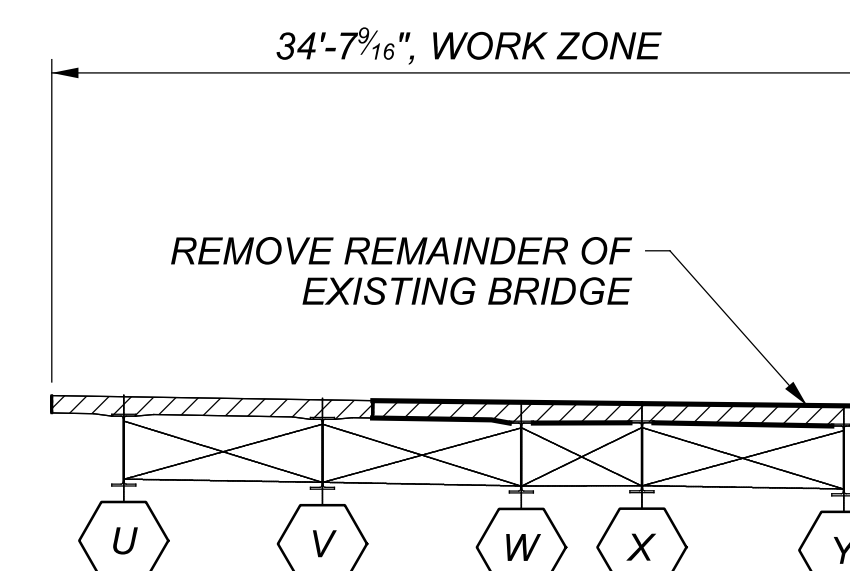
PHASE 3 DEMOLITION



PHASE 3 CONSTRUCTION



PHASE 4 DEMOLITION



PHASE 4 CONSTRUCTION

SEQUENCE OF CONSTRUCTION

PHASE 3:

4. SHIFT PCB AND TRAFFIC AS SHOWN.
5. REMOVE 48'-9" OF THE EXISTING RIGHT BRIDGE.
6. CONSTRUCT 46'-1 1/2" OF PROPOSED RIGHT BRIDGE, ALONG WITH PROPOSED ABUTMENT, PILES, AND MSE WALLS.

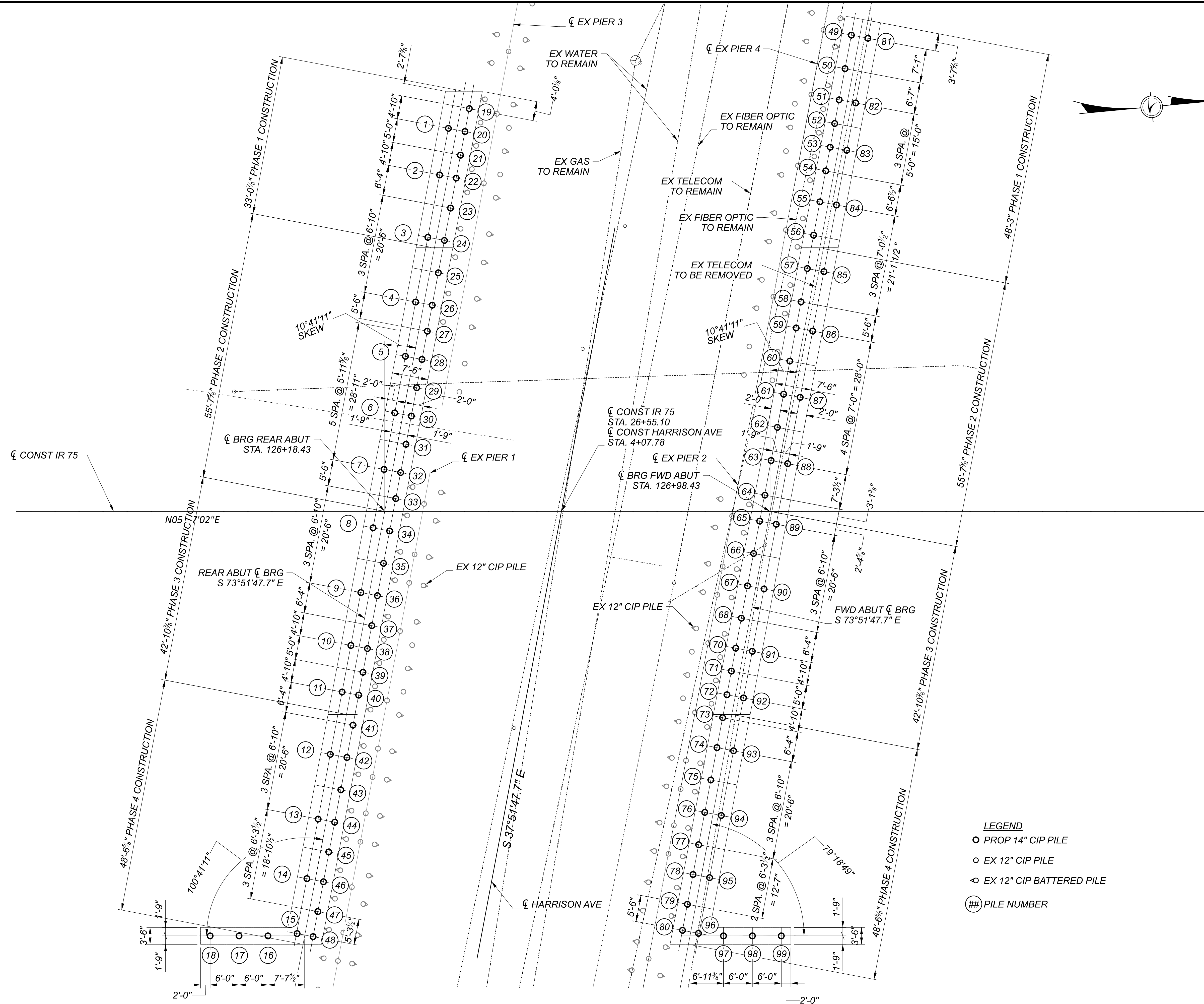
PHASE 4:

4. SHIFT PCB AND TRAFFIC AS SHOWN.
5. REMOVE REMAINDER OF EXISTING RIGHT BRIDGE.
6. CONSTRUCT REMAINDER OF PROPOSED RIGHT BRIDGE ALONG WITH PROPOSED ABUTMENT, PILES, AND MSE WALLS.

LEGEND

- LIMITS OF REMOVAL
- LIMITS OF PROPOSED CONSTRUCTION

SFN	3109400
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	SAT
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	3
TOTAL	9
SHEET	P.439
TOTAL	463

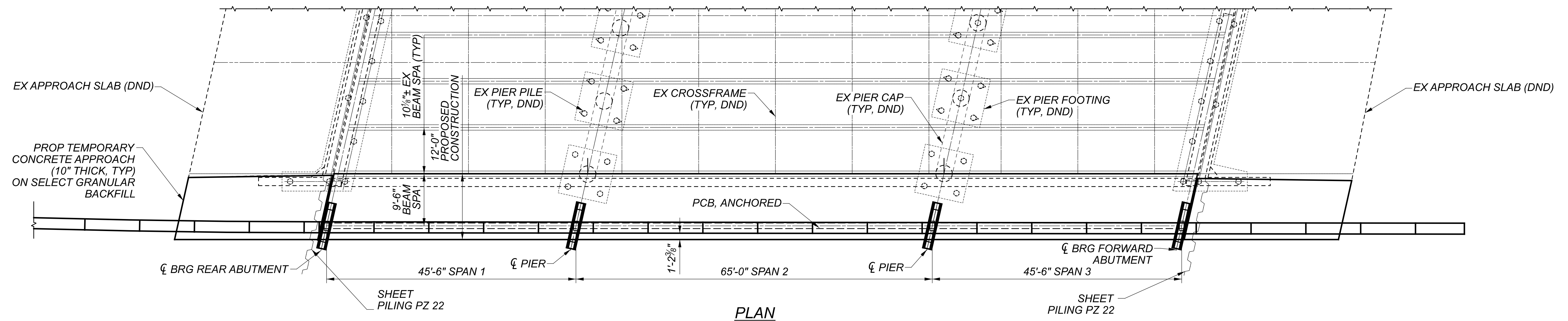
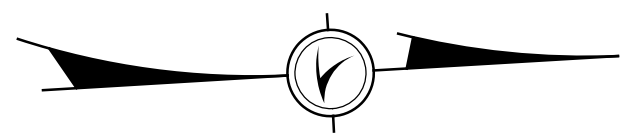


LEGEND

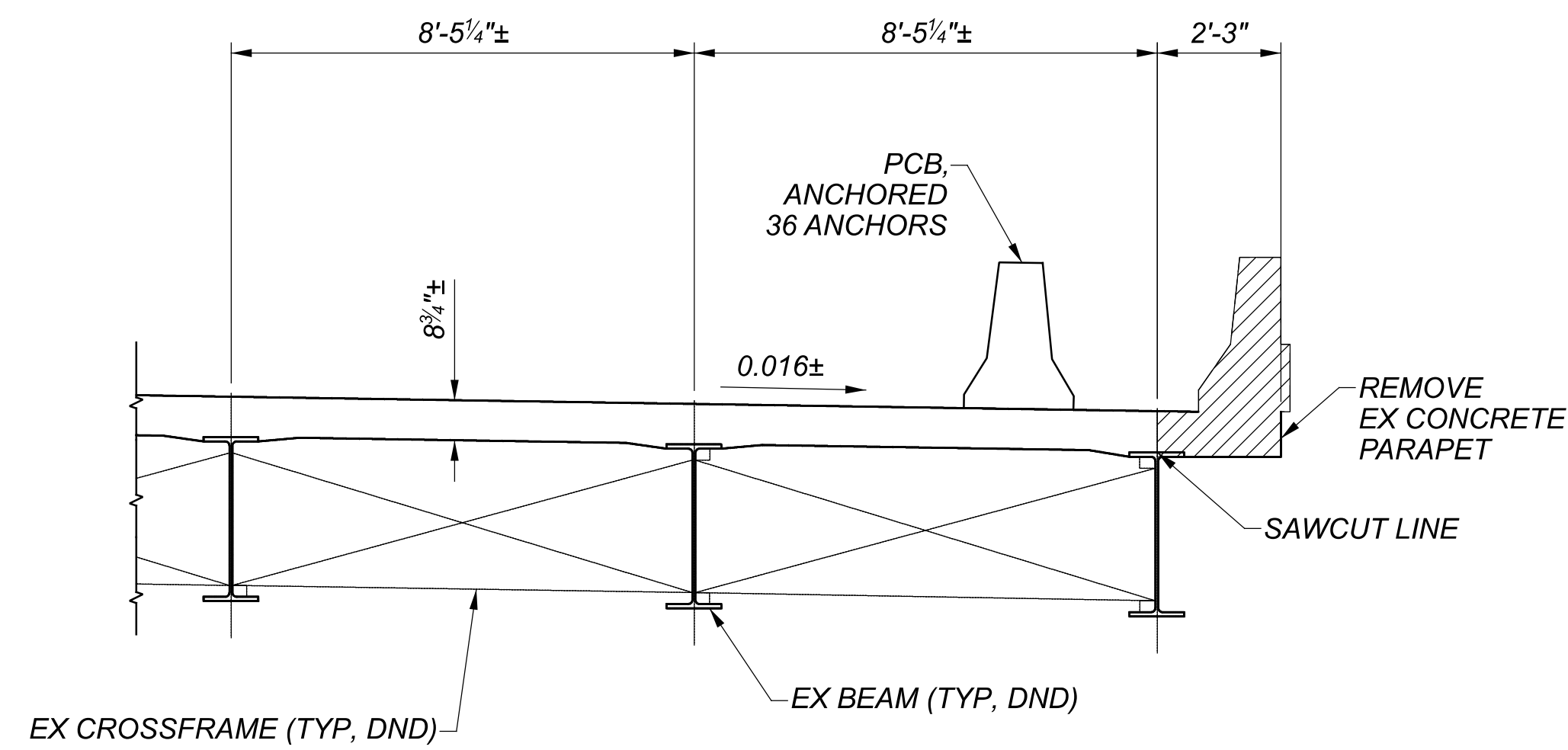
- PROP 14" CIP PILE
- EX 12" CIP PILE
- ◡ EX 12" CIP BATTERED PILE
- Ⓜ PILE NUMBER

FOUNDATION PLAN
BRIDGE NO. HAM-75-2.386
IR-75 OVER HARRISON AVENUE

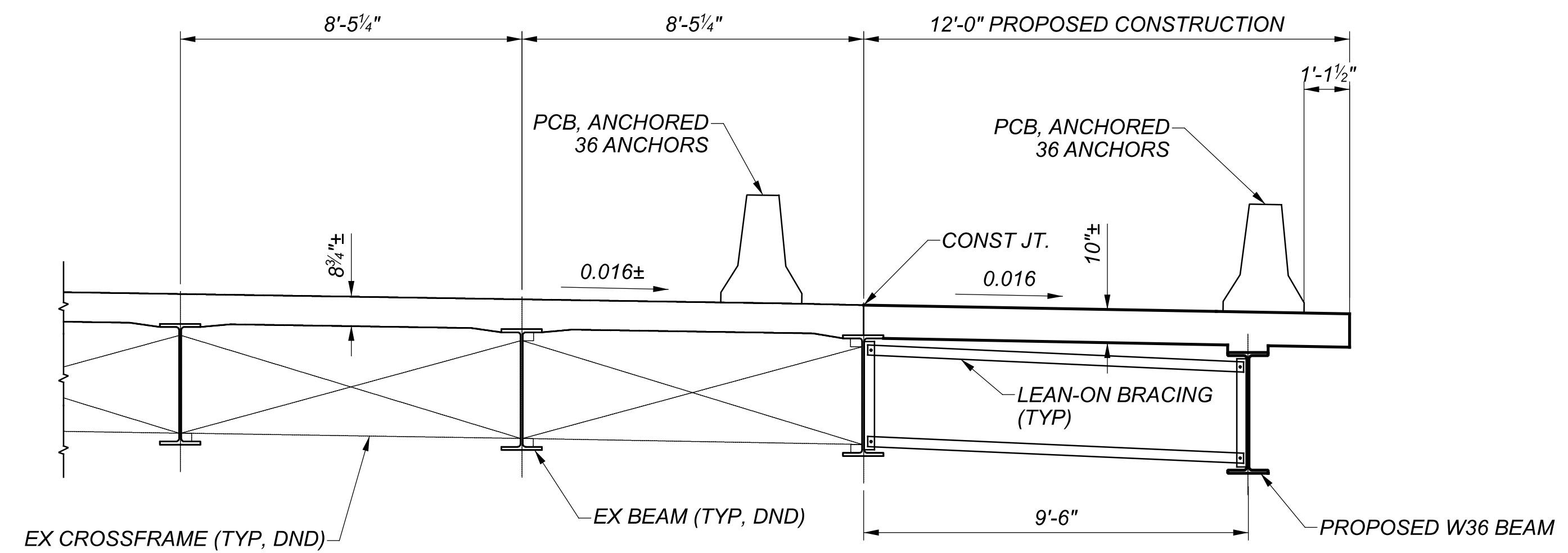
SFN	3109400
DESIGN AGENCY	GANNETT FLEMING
	2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	SAT
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	4
TOTAL	9
SHEET	P.440
TOTAL	463



PLAN



SUPERSTRUCTURE REMOVAL DETAILS

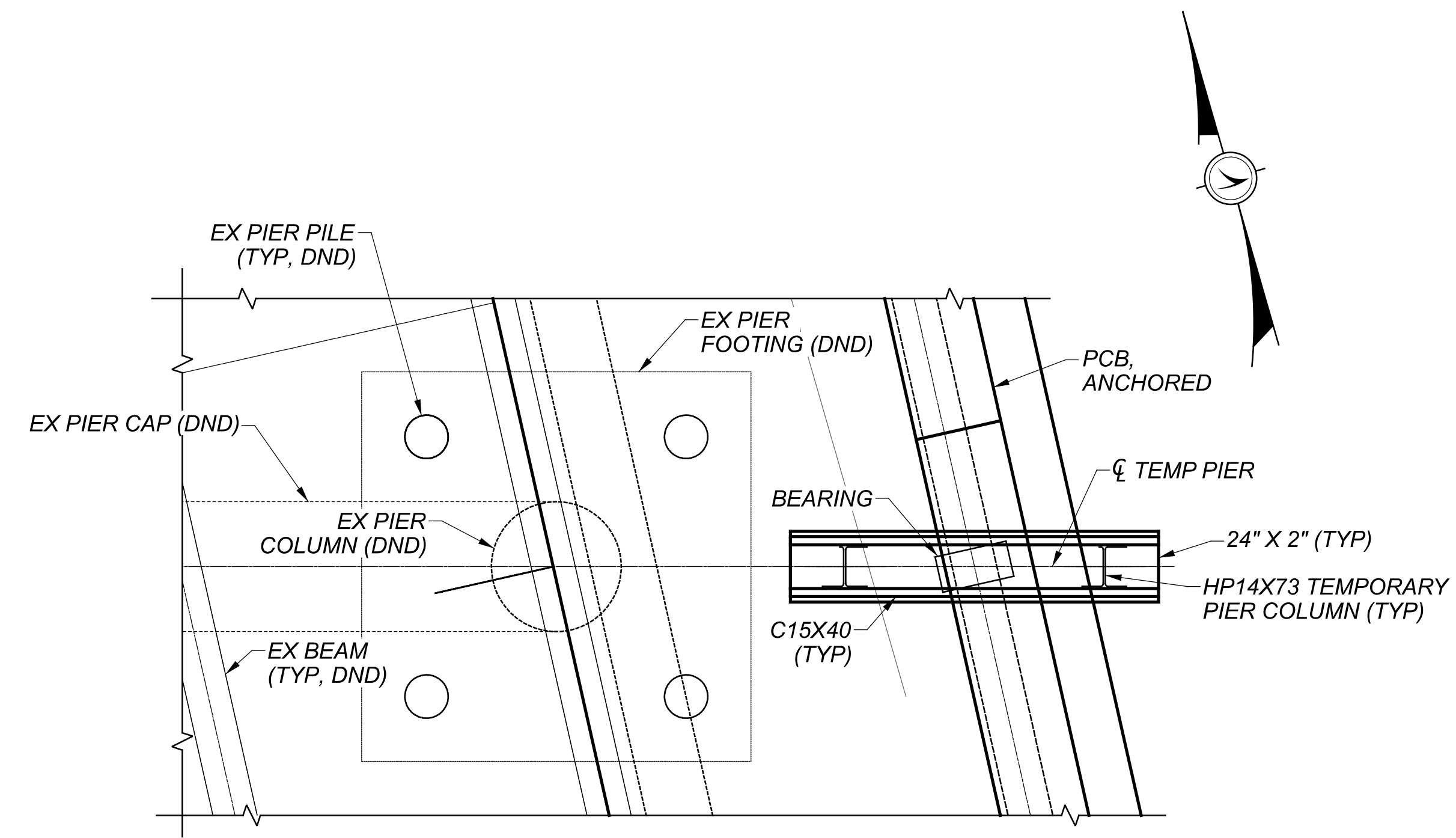


SUPERSTRUCTURE RECONSTRUCTION DETAILS

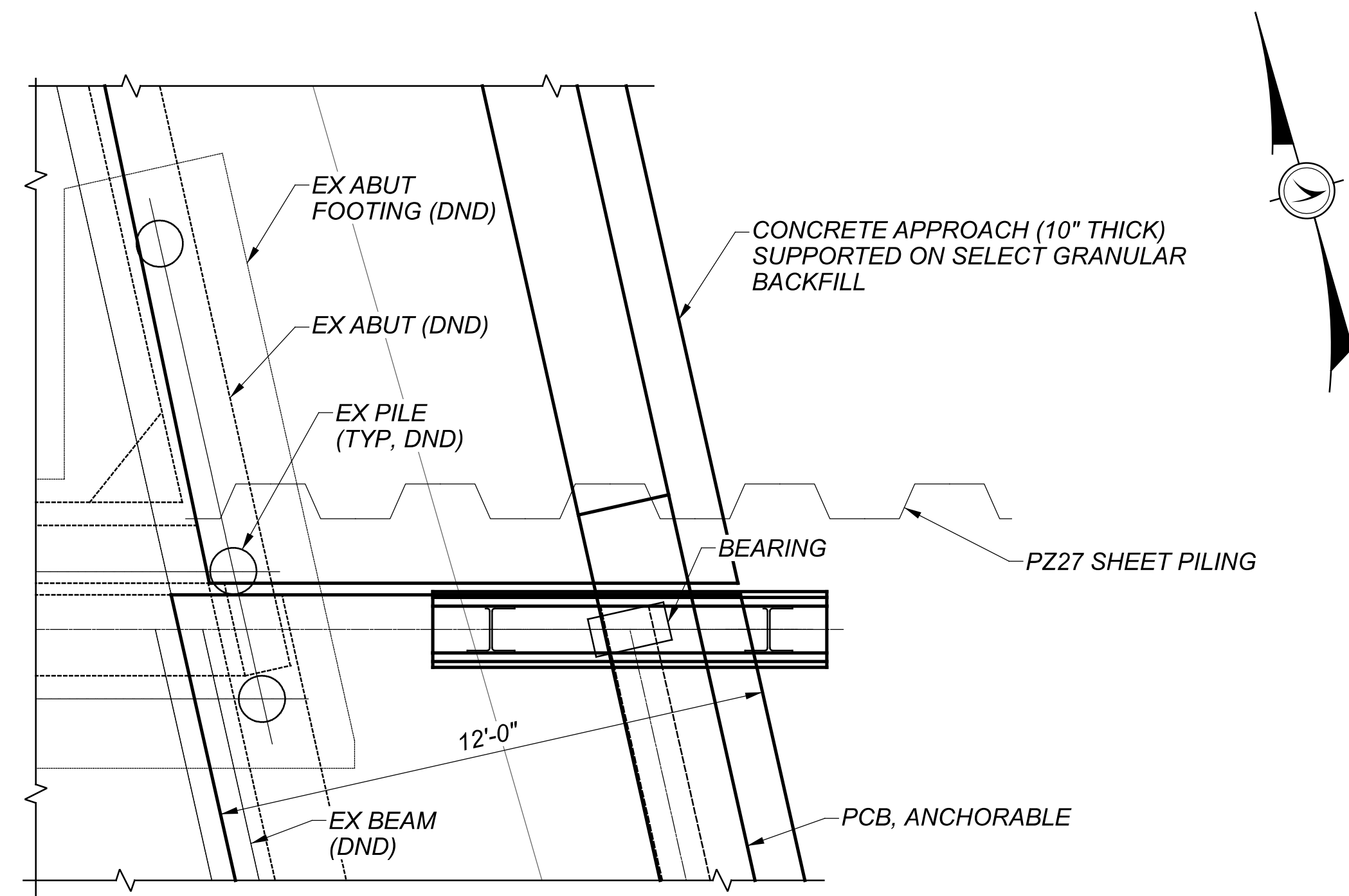


EXISTING LEFT BRIDGE WIDENING DETAILS (PRE-PHASE)
 BRIDGE NO. HAM-75-2.386
 IR-75 OVER HARRISON AVENUE

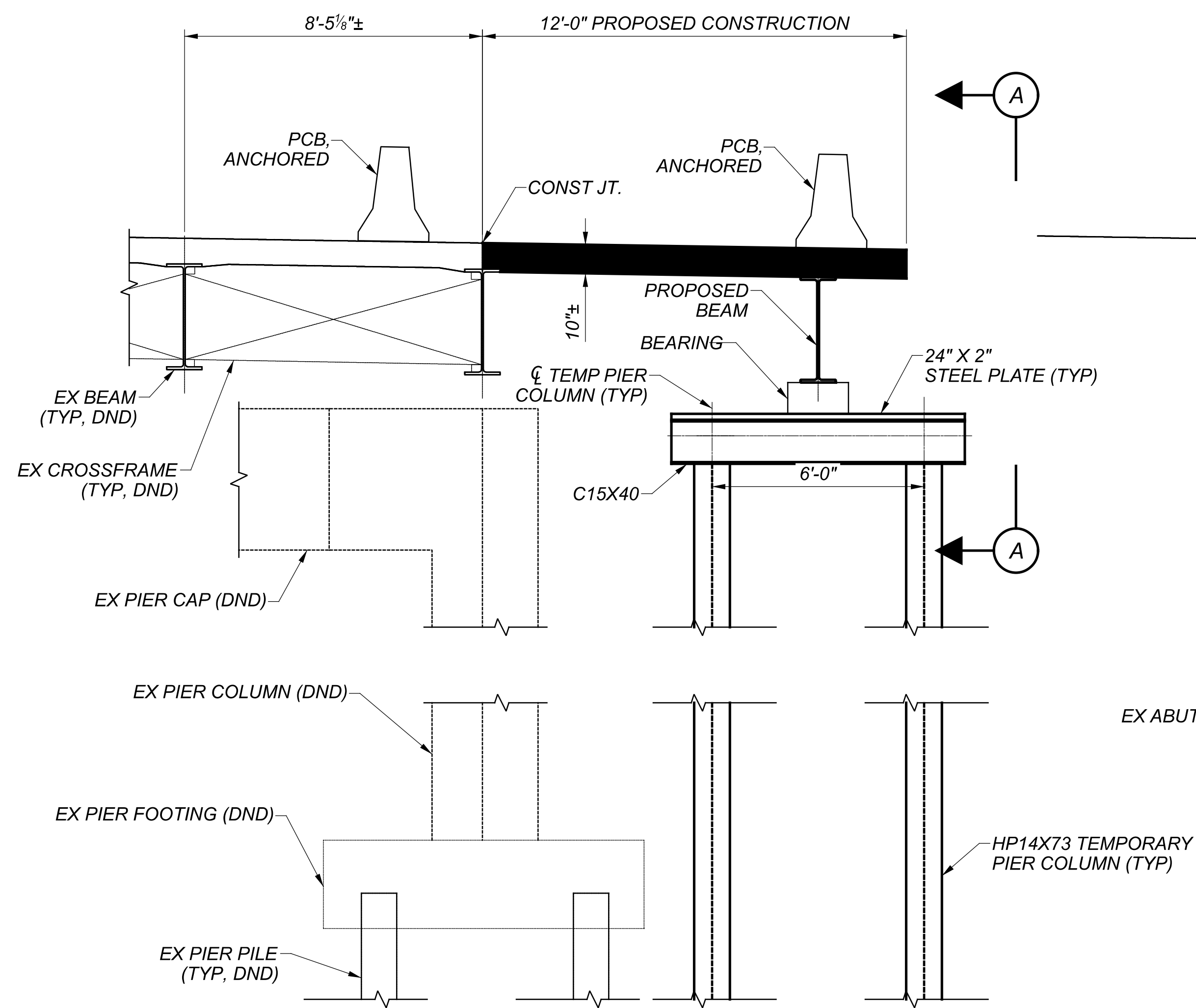
SFN	3109400
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	SAT
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	5
TOTAL	9
SHEET	P.441
TOTAL	463



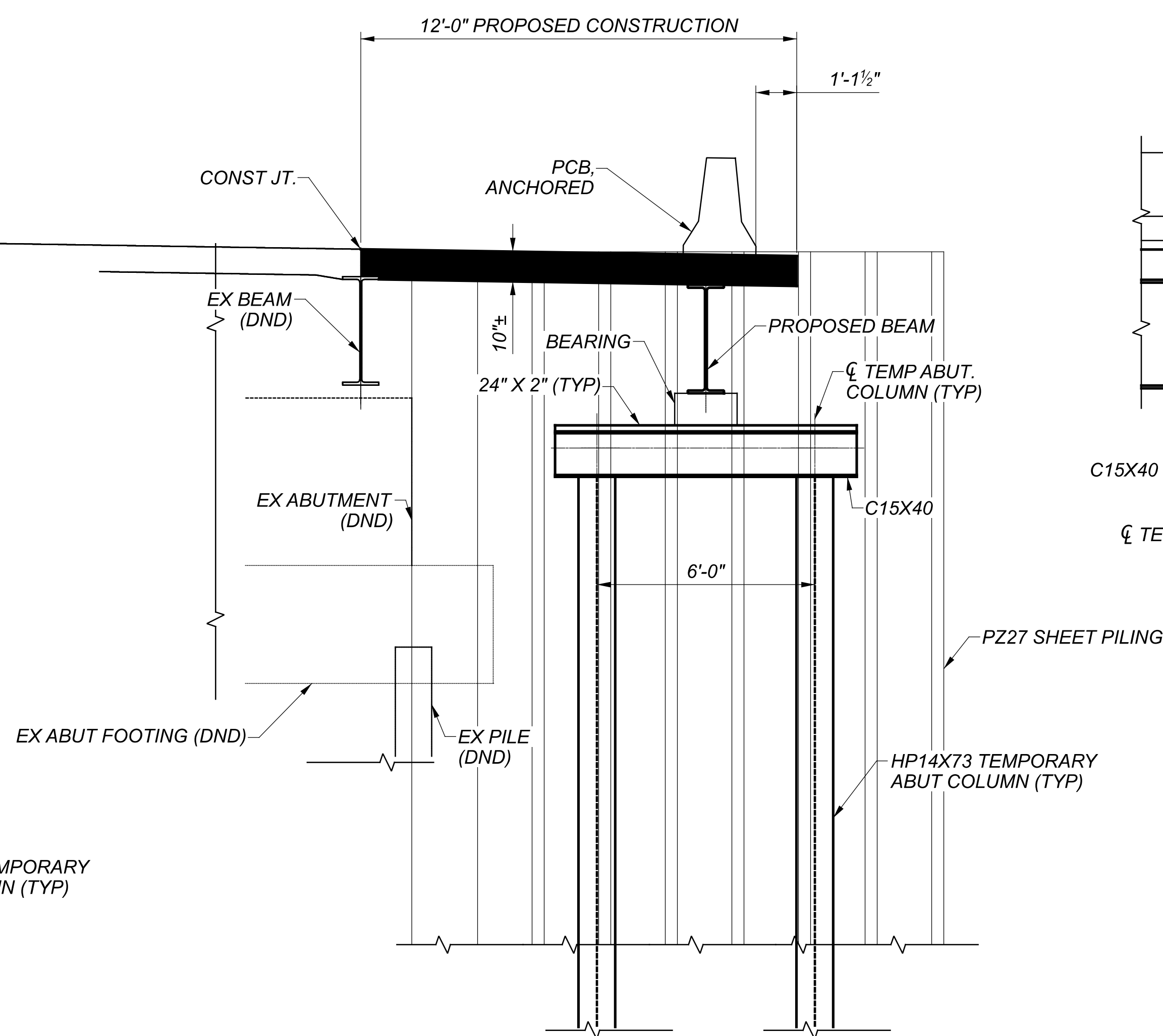
PLAN AT PIER



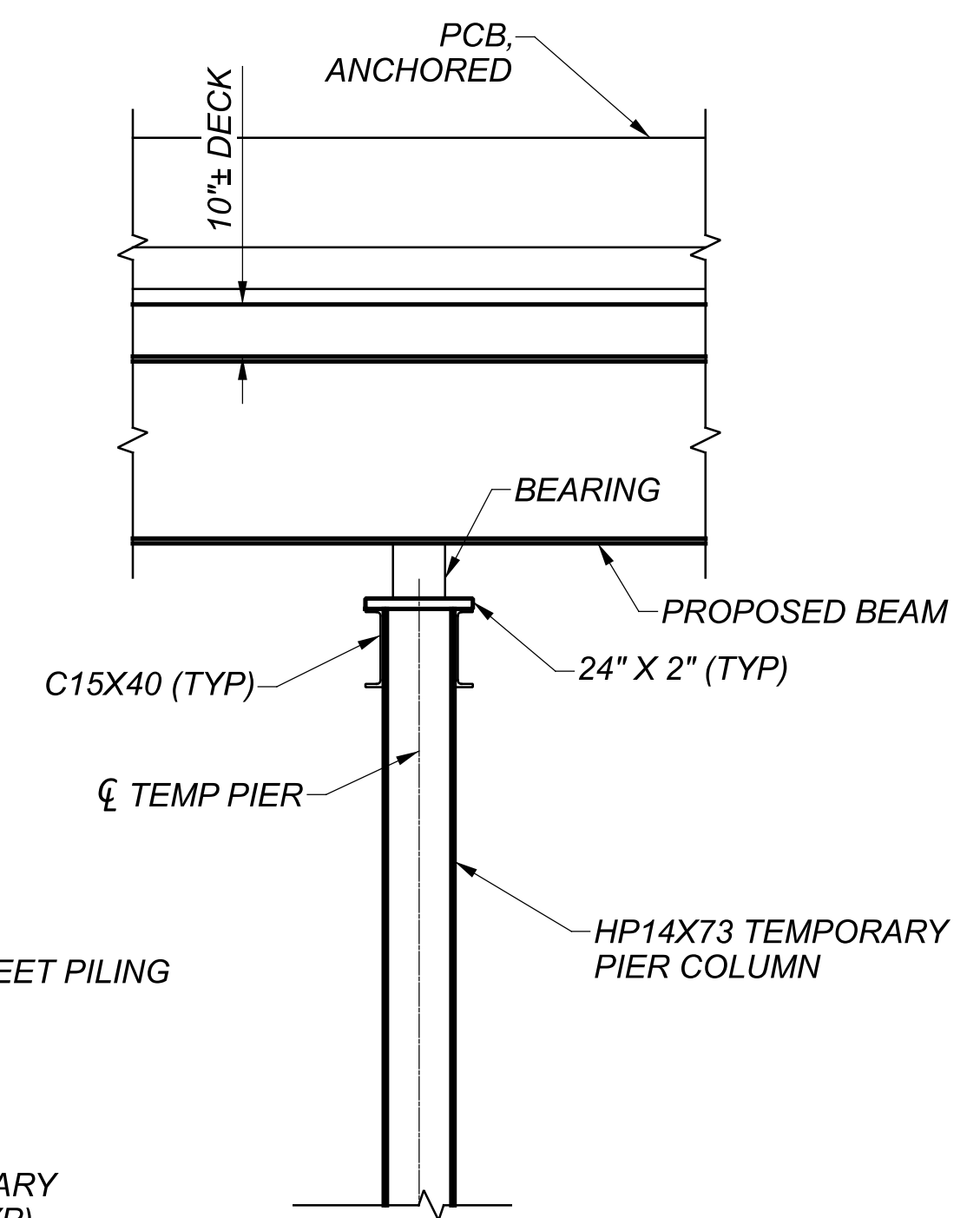
PLAN AT ABUTMENT



ELEVATION AT PIER



ELEVATION AT ABUTMENT



SECTION A-A

LEGEND

■ - PROPOSED DECK CONSTRUCTION

TEMPORARY LEFT BRIDGE WIDENING DETAILS (PRE-PHASE)
BRIDGE NO. HAM-75-2.386
IR-75 OVER HARRISON AVENUE

SFN	3109400
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	SAT
CHECKER	VDT
REVIEWER	EFD
DATE	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
6	9
SHEET	TOTAL
P.442	463

PENTABLE: 114161_BW.tbl

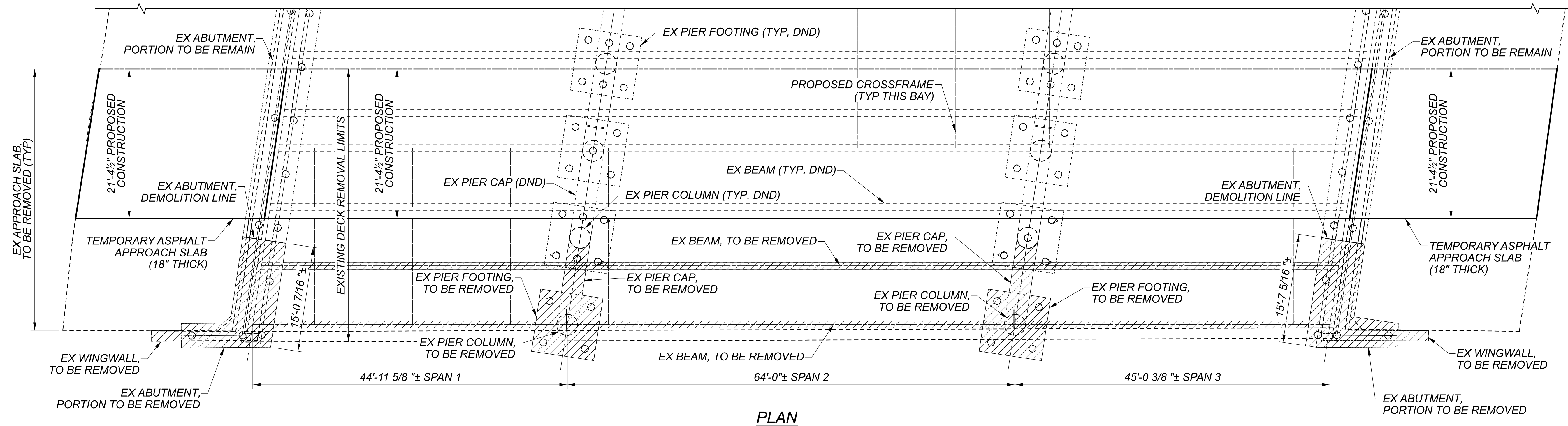
PLOT DRIVER: OHDOT_PDF.plt

SUBMITTAL: SUB_STG

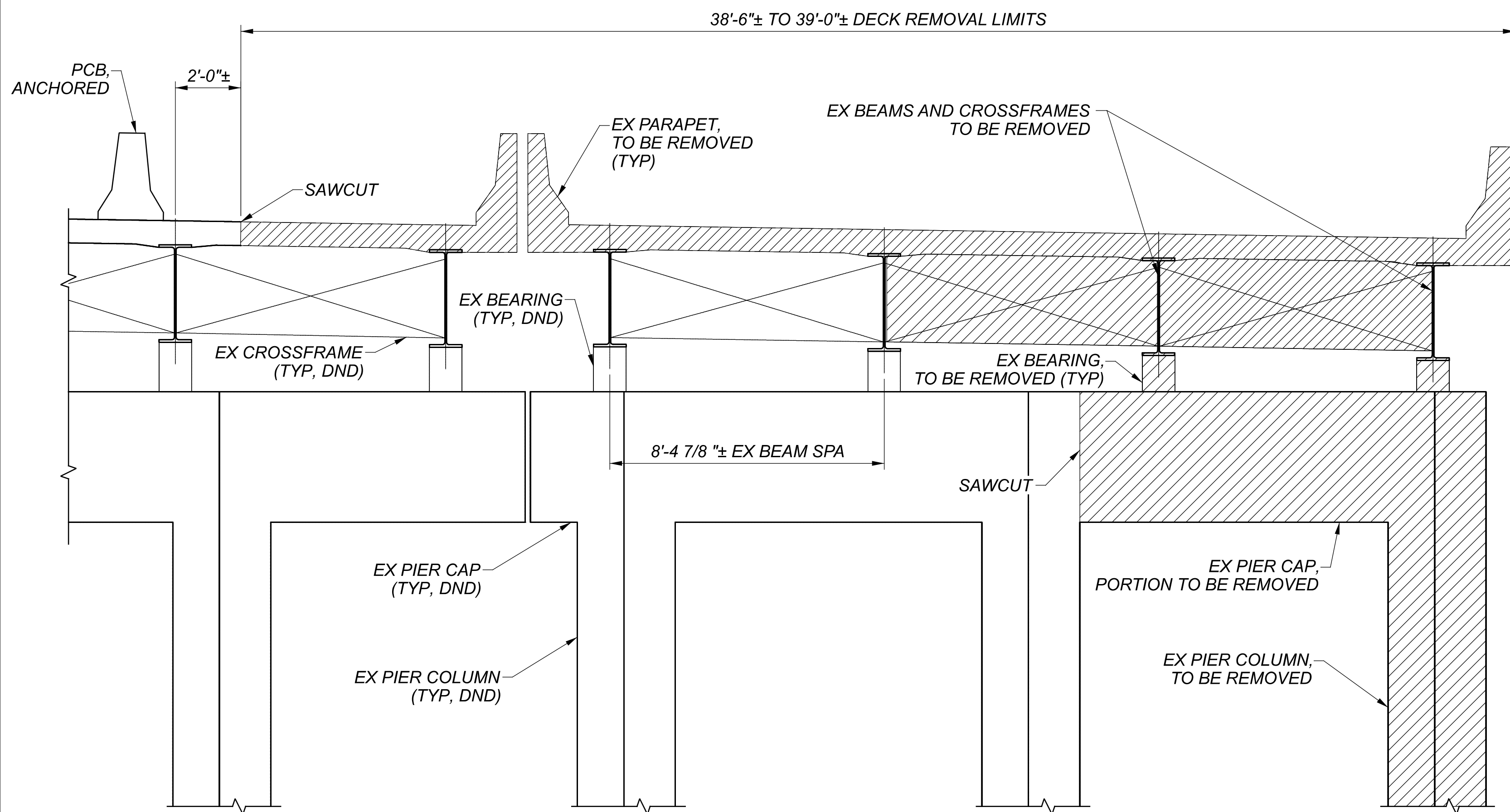
PENTABLE SUBSET: 1

HAM-75-1.95

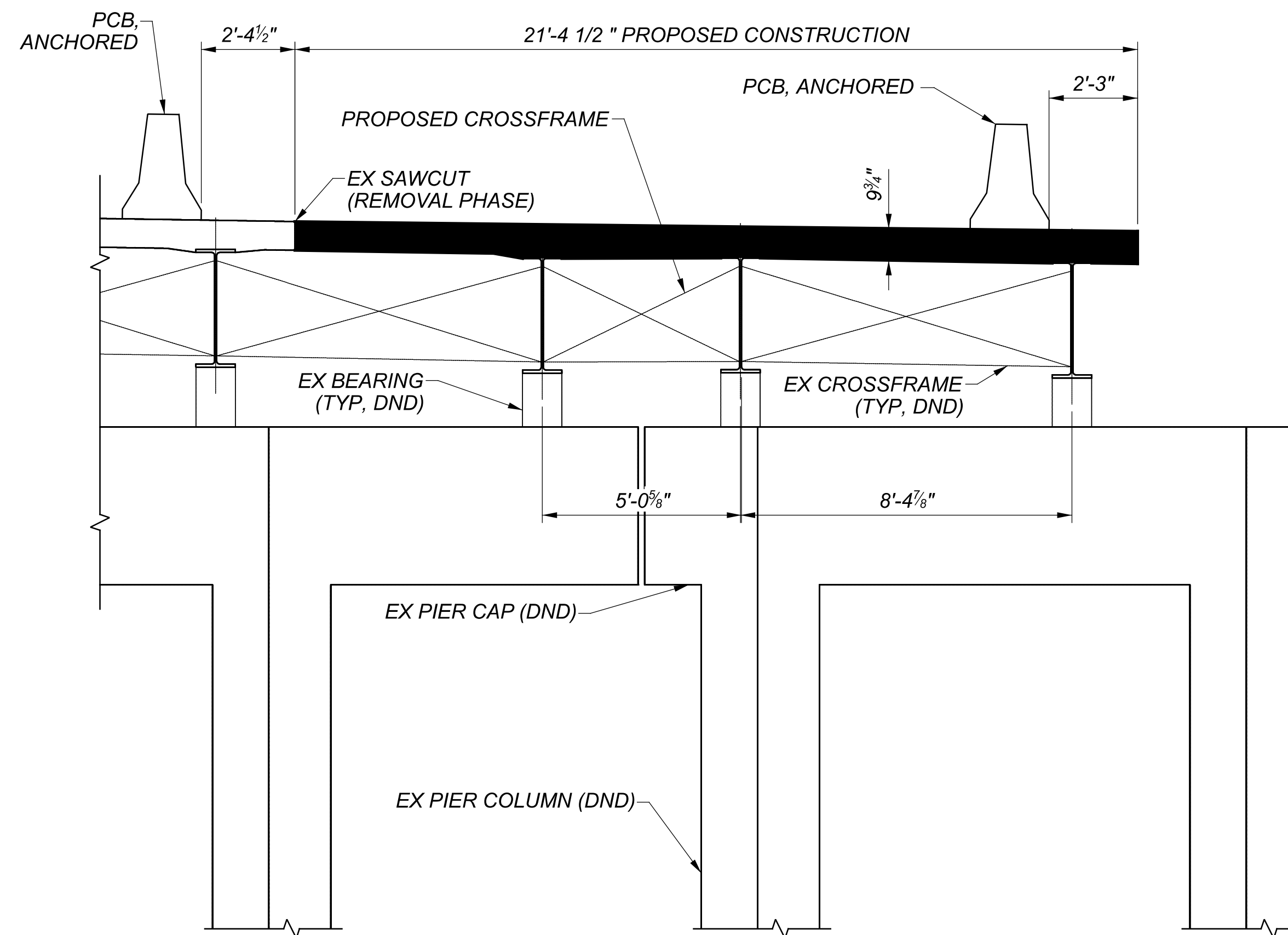
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PLAN



ELEVATION - REMOVAL



ELEVATION - PROPOSED

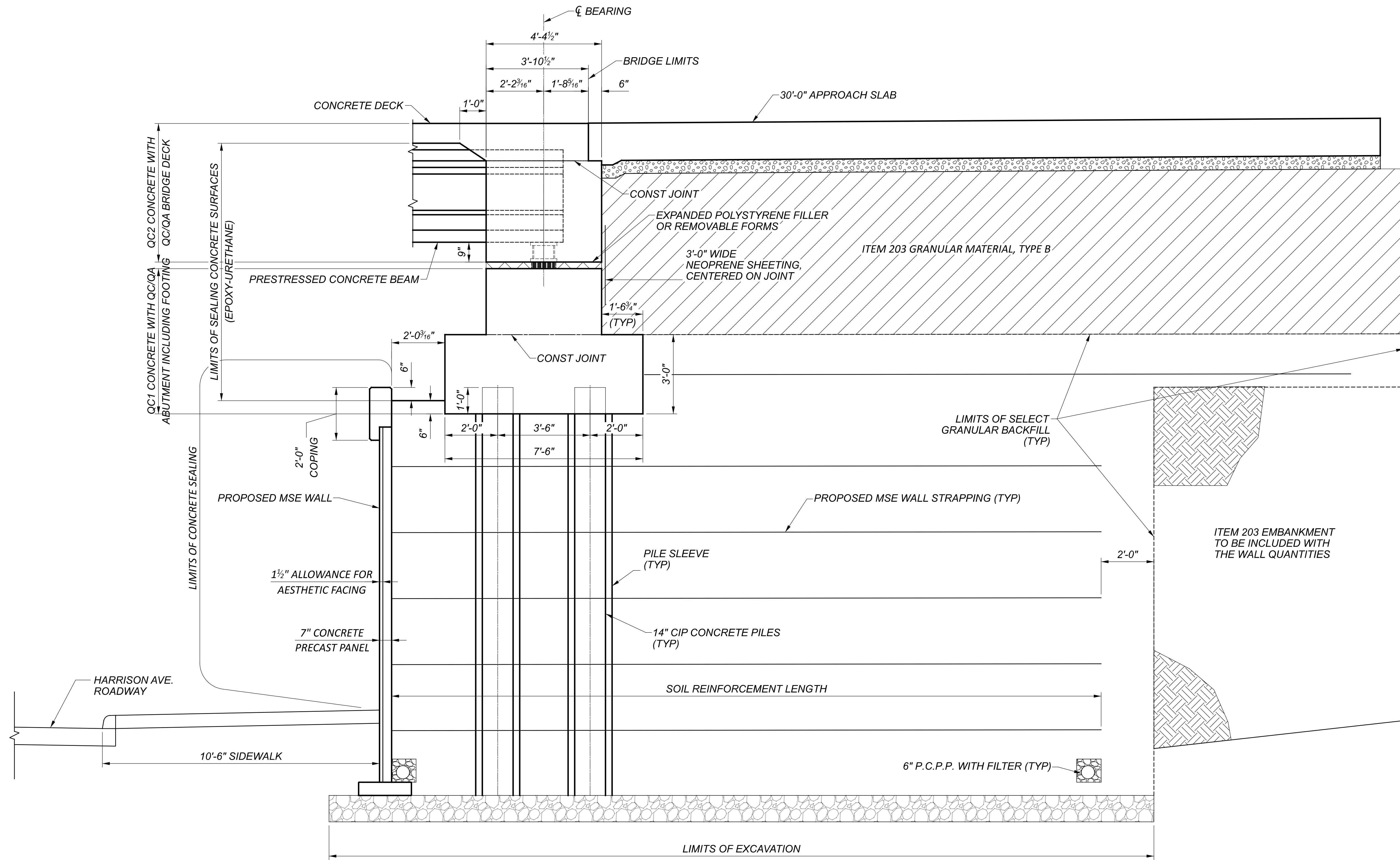
LEGEND

- PROPOSED DECK CONSTRUCTION
- REMOVAL LIMITS

TEMPORARY BRIDGE RECONSTRUCTION DETAILS (PRE-PHASE)
 BRIDGE NO. HAM-75-2.386
 IR-75 OVER HARRISON AVENUE

SFN	3109400
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	SAT
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	7
TOTAL	9
SHEET	P.443
TOTAL	463

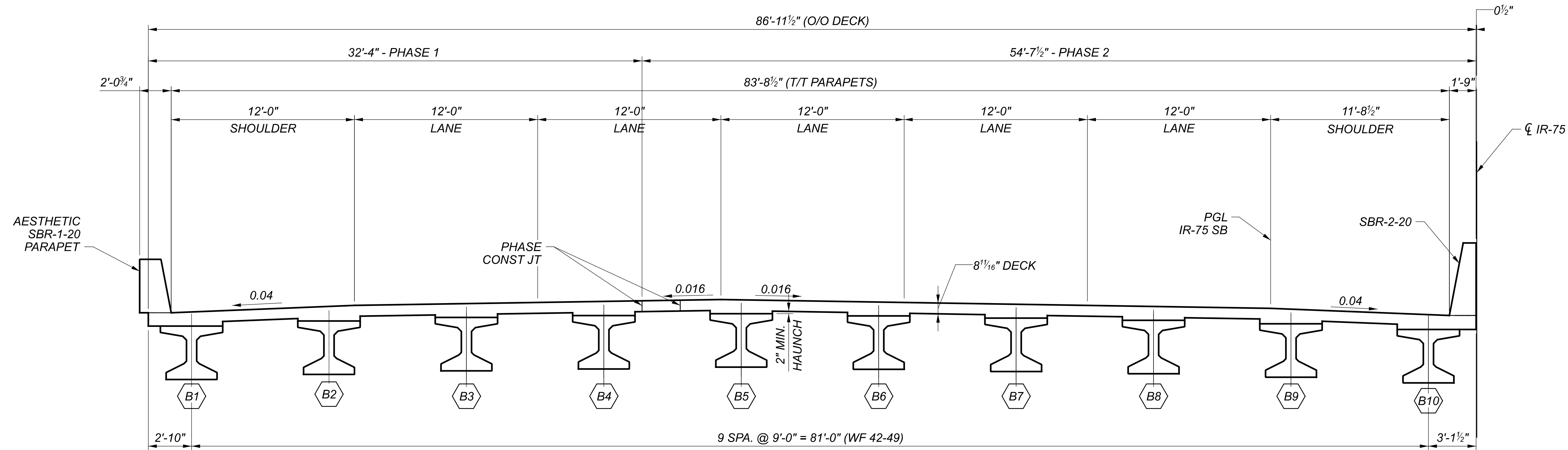
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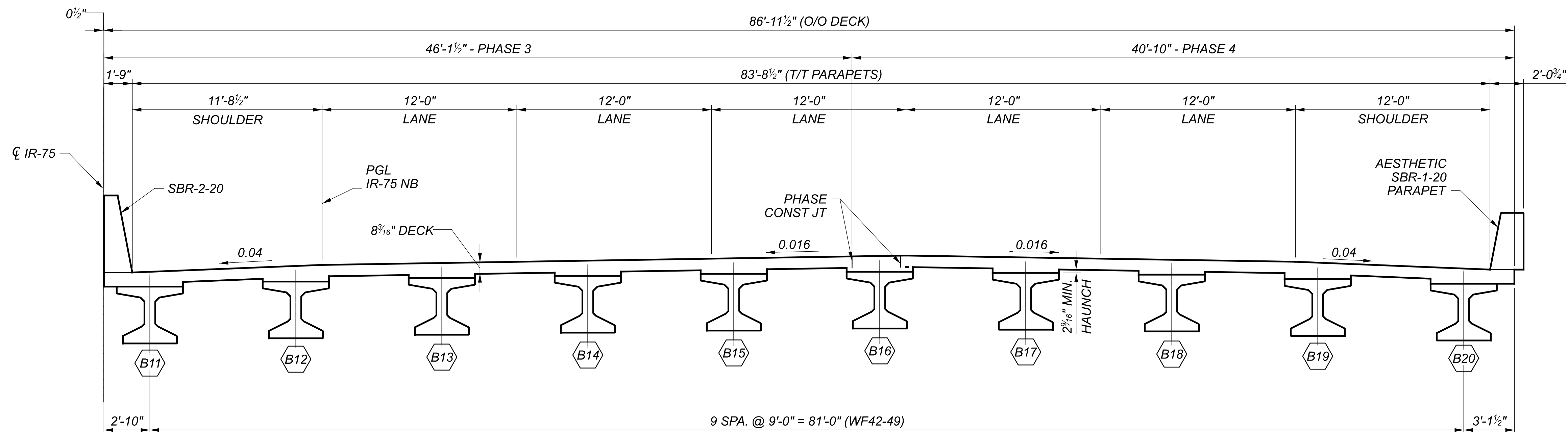
TYPICAL ABUTMENT SECTION

ABUTMENT DETAILS
 BRIDGE NO. HAM-75-2.386
 IR-75 OVER HARRISON AVENUE

SFN	3109400
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	CHECKER
SAT	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	TOTAL
8	9
SHEET	TOTAL
P.444	463



PROPOSED TRANSVERSE SECTION
LEFT BRIDGE, LOOKING UPSTATION

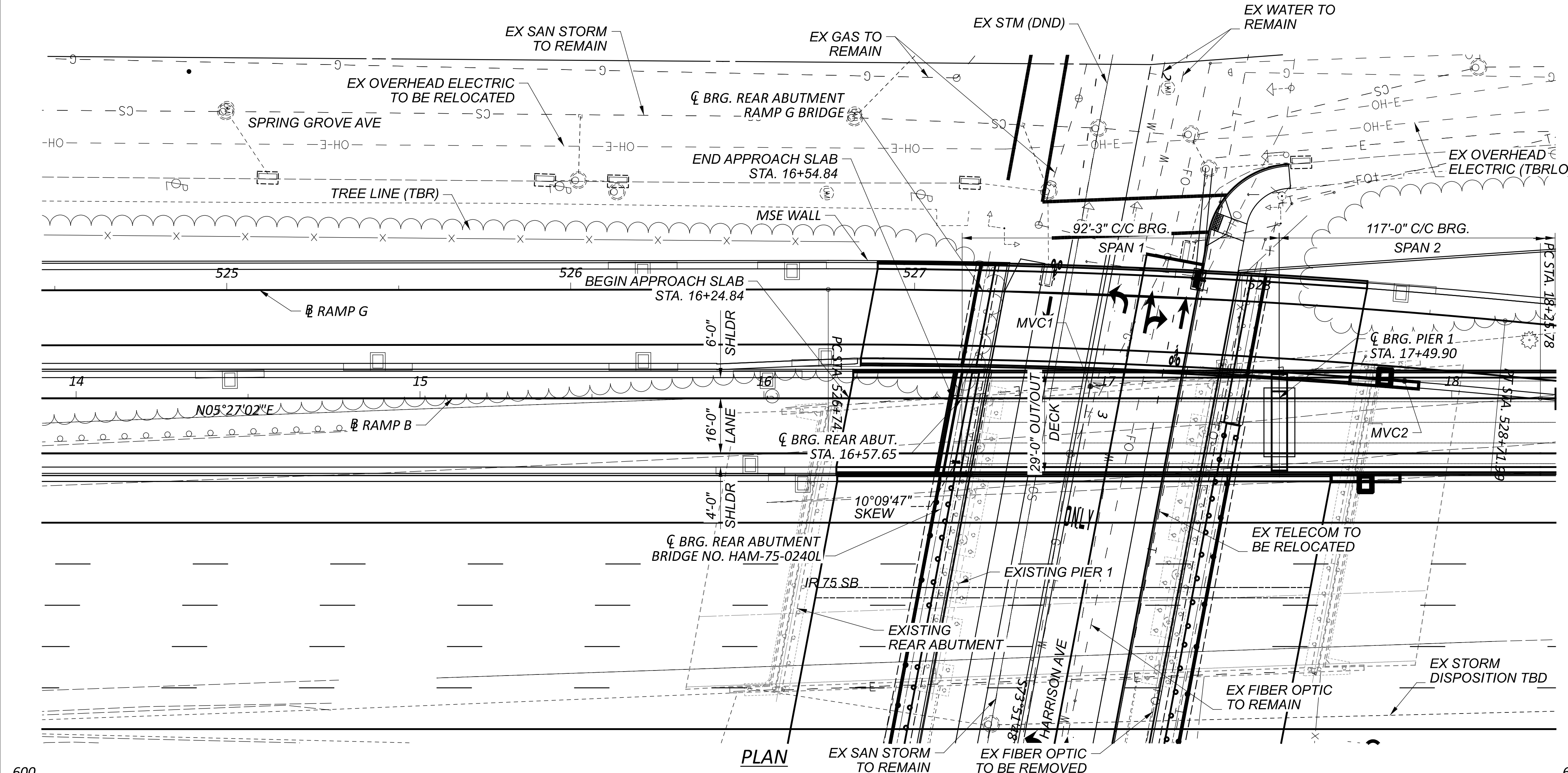


PROPOSED TRANSVERSE SECTION
RIGHT BRIDGE, LOOKING UPSTATION

TRANSVERSE SECTION
BRIDGE NO. HAM-75-2.386
IR-75 OVER HARRISON AVENUE

SFN	3109400
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	SAT
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	9
TOTAL	9
SHEET	P.445
TOTAL	463

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CONTROL POINT DATA*

CP #1 STA.	124+31.09,	ELEV.	501.22,	OFFSET	178.50,	RT
CP #2 STA.	135+03.11,	ELEV.	508.78,	OFFSET	169.34,	RT

* STATIONS AND OFFSETS ARE ALONG C CONST IR 75.

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.3 - P.5 /463

NOTES
EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

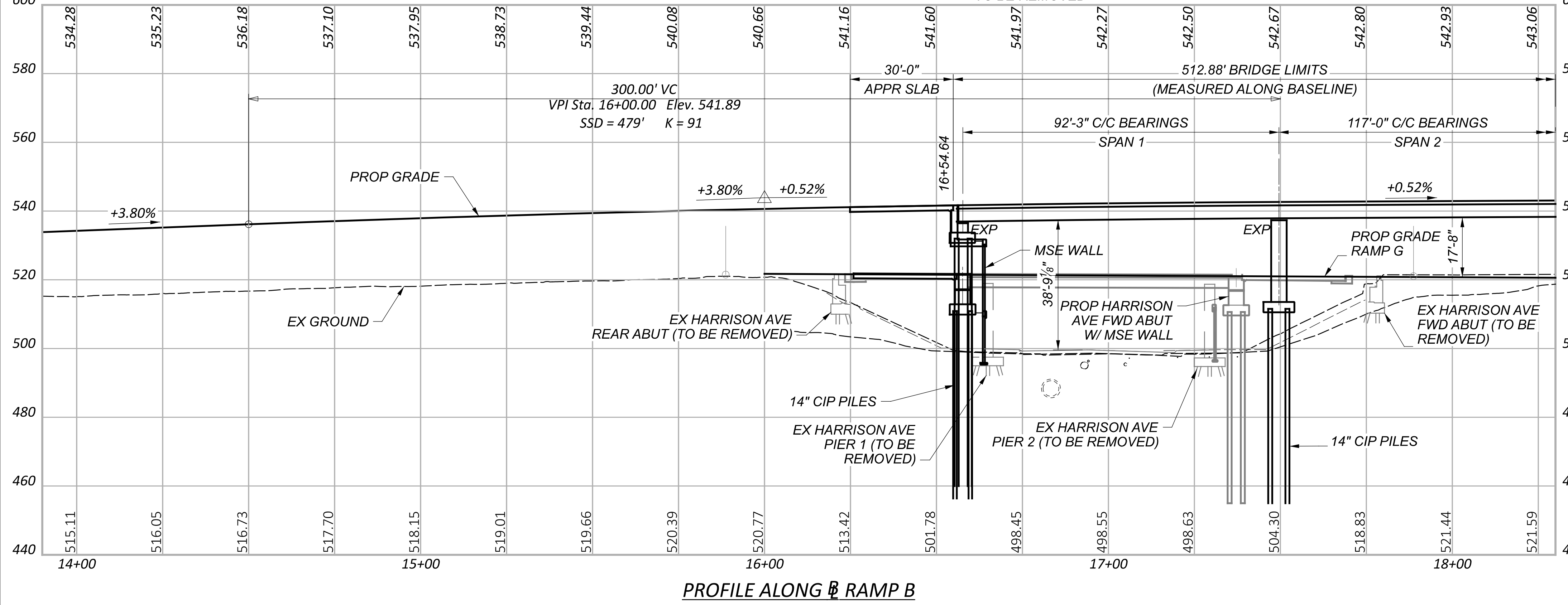
DESIGN TRAFFIC:
2030 ADT = 11,430 2030 ADTT = 457
2050 ADT = 12,000 2050 ADTT = 480
DIRECTIONAL DISTRIBUTION = 100%

LEGEND
BORING LOCATION

16'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
16'-8" ACTUAL MINIMUM VERTICAL CLEARANCE, SEE BELOW FOR CRITICAL CLEARANCE AREAS

MVC1 = G1 AT CROWN OF HARRISON AVE = 38'-9 1/8"
MVC2 = G8 AT SHOULDER OF RAMP G = 17'-8"
MVC3 = PIER 2 CAP OVER RAMP G CROWN = 16'-8"
MVC4 = PIER 3 CAP OVER RAMP G CROWN = 17'-9"

CURVE DATA
P.I. STA. 19+13.40
Δ = 10°29'02" LT
Dc = 05°59'58"
R = 955.00'
T = 87.62'
L = 174.74'
E = 4.01'



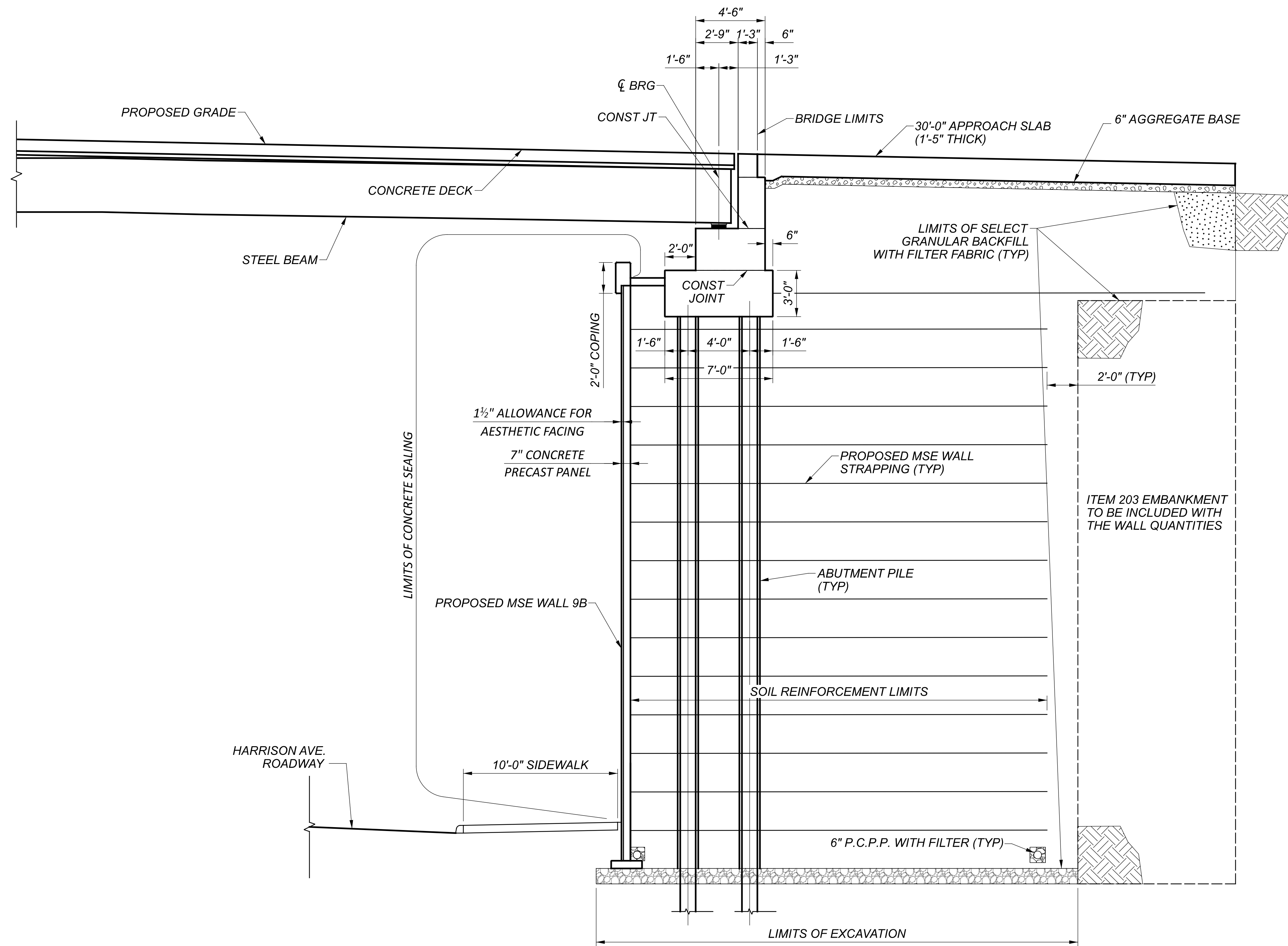
PROPOSED STRUCTURE

TYPE: CONTINUOUS COMPOSITE STEEL GIRDERS WITH REINFORCED CONCRETE DECK SLAB ON T-TYPE PIERS, REINFORCED CONCRETE STRADDLE BENT PIERS, AND SEMI-INTEGRAL ABUTMENT WITH MSE WALLS
SPANS: 92'-3", 117'-0", 117'-0", 83'-1"
ROADWAY: 26'-0" TOE/TOE PARAPET
LOADING: HL93 AND 60 PSF FUTURE WEARING SURFACE
SKEW: VARIES, 10° 41' 42" LEFT FORWARD (REAR ABUT) 0° (PIERS 1, 2, AND 3), 16° 6' 59" LEFT FORWARD (FWD ABUT)

WEARING SURFACE: 1" MONOLITHIC CONCRETE
APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15) REAR ONLY
ALIGNMENT: TANGENT AND CURVED
CROWN: VARIES
DECK AREA: 12,783 SF
COORDINATES: LATITUDE 39° 07' 22.2" N
LONGITUDE 84° 32' 08.8" W

SITE PLAN (1/2)
BRIDGE NO. HAM-75-2.390
IR 75 SOUTHBOUND ON RAMP B OVER HARRISON AVE AND RAMP G

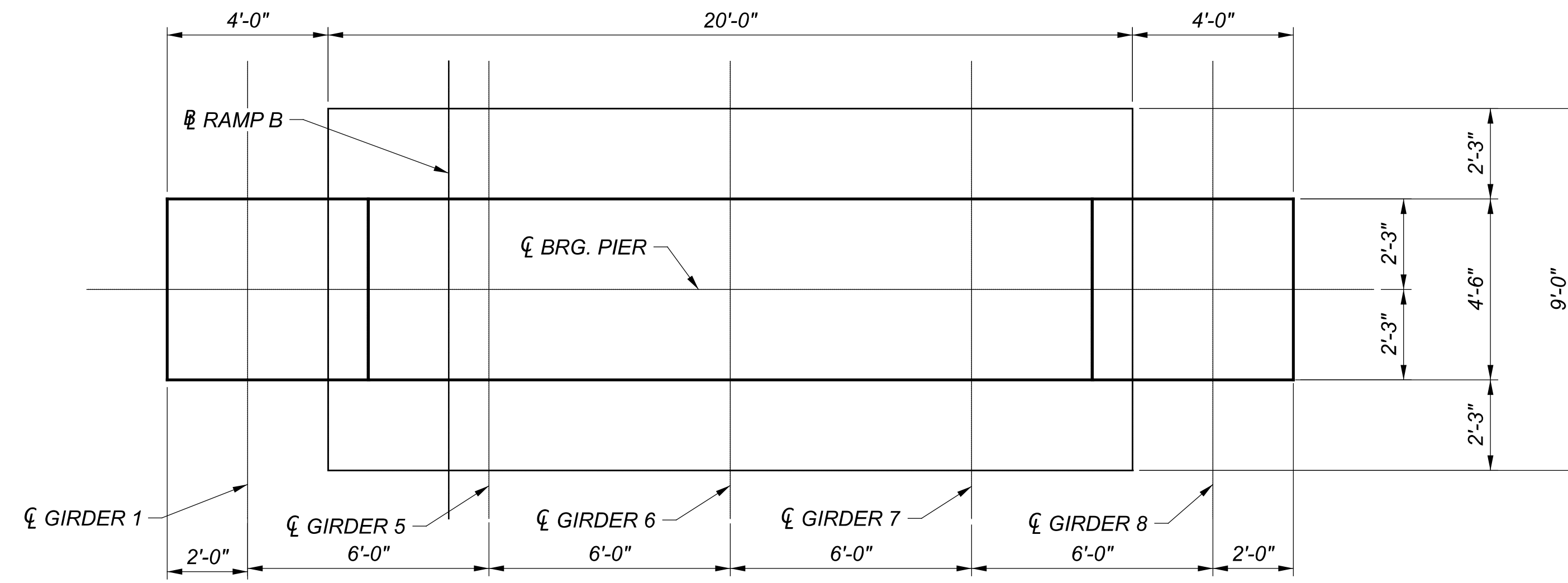
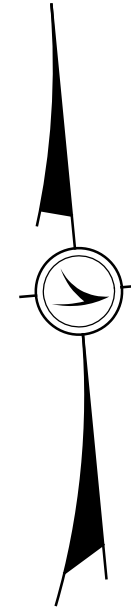
SFN	3109402
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	TOTAL
1	9
SHEET	TOTAL
P.446	463



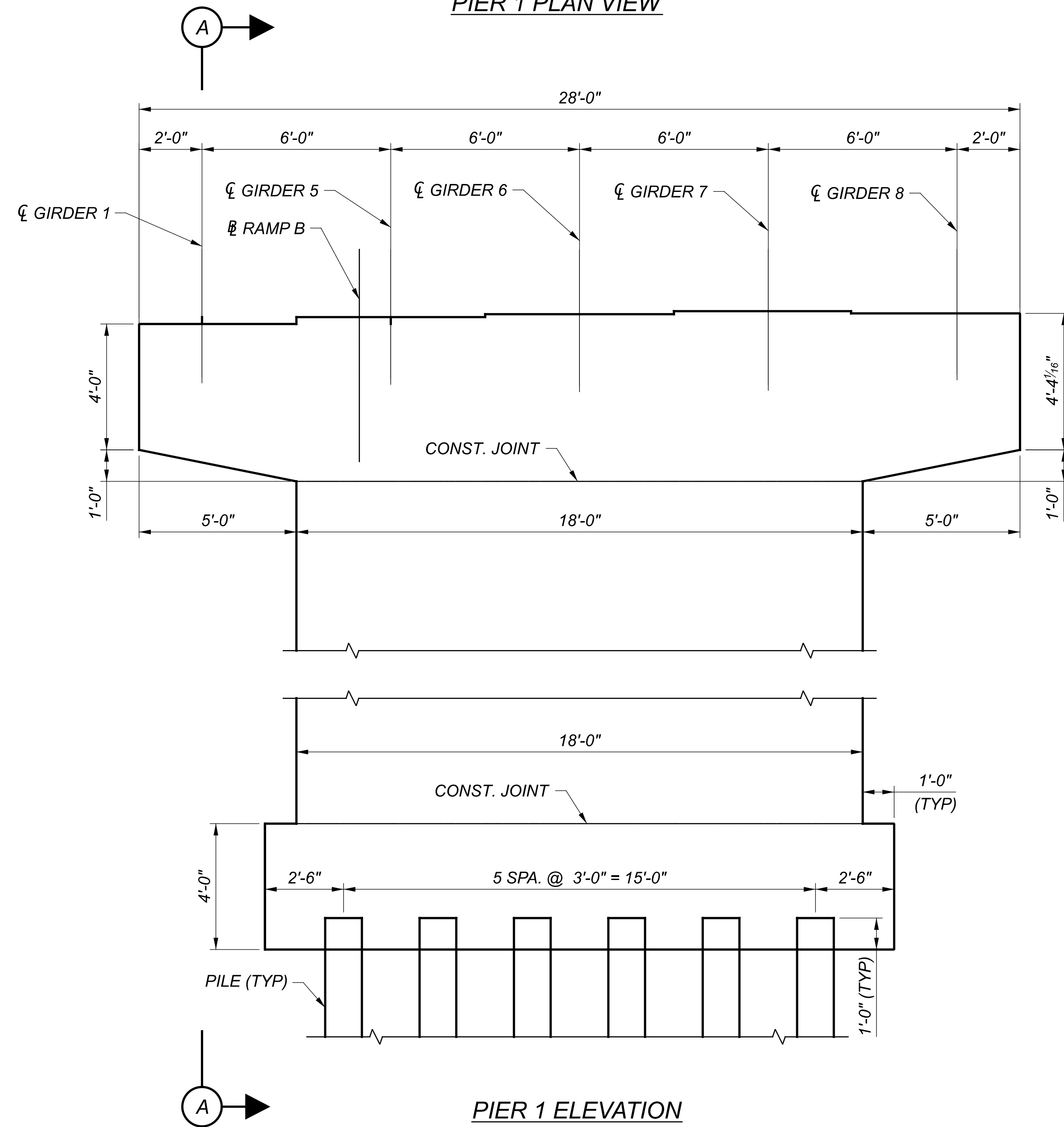
RAMP B REAR ABUTMENT TYPICAL SECTION

REAR ABUTMENT DETAILS
 BRIDGE NO. HAM-75-2.390
 IR 75 SOUTHBOUND ON RAMP B OVER HARRISON AVE AND RAMP G

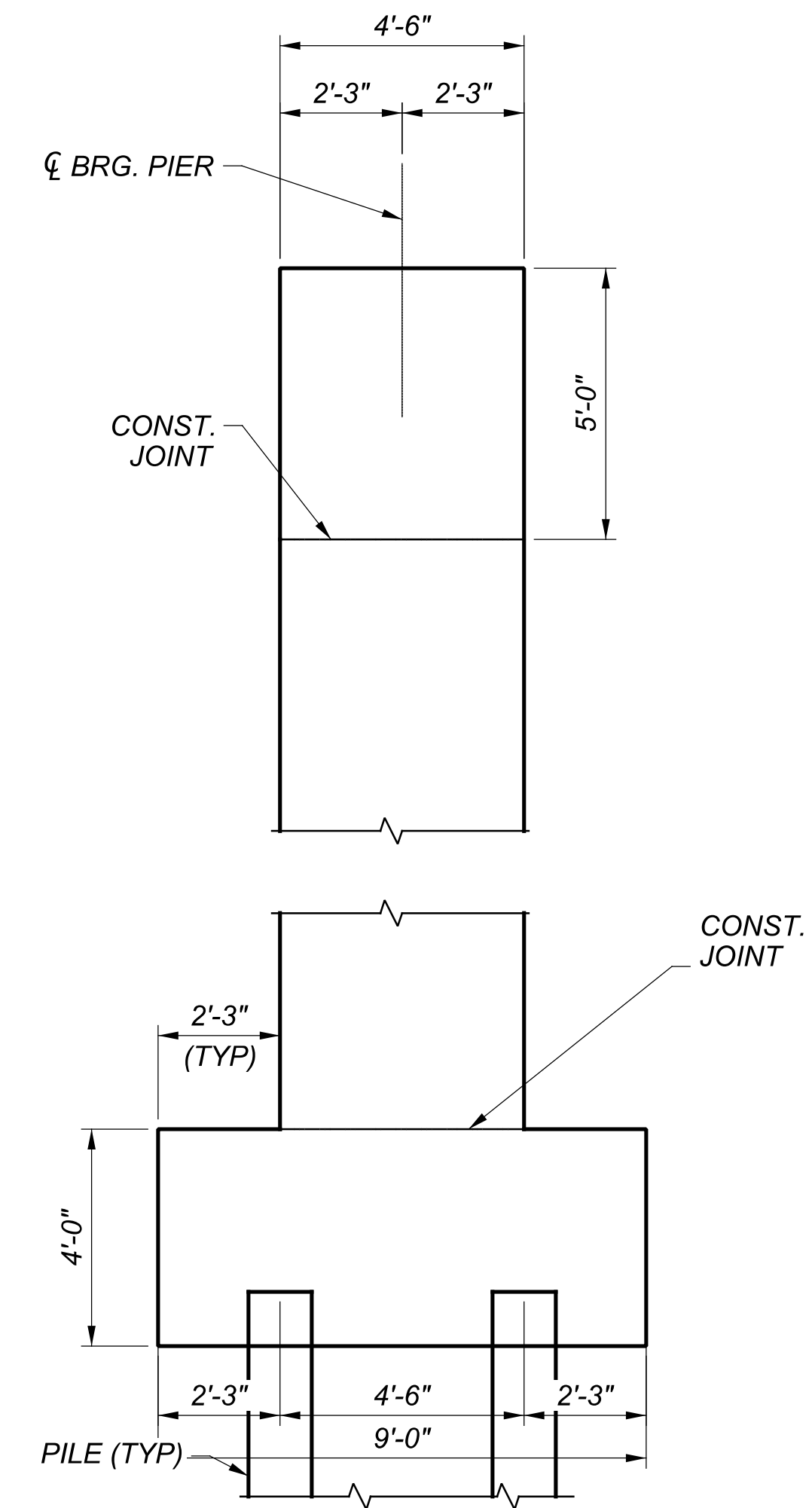
SFN	3109402
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	SAT
CHECKER	MTO
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	3
TOTAL	9
SHEET	P.448
TOTAL	463



PIER 1 PLAN VIEW

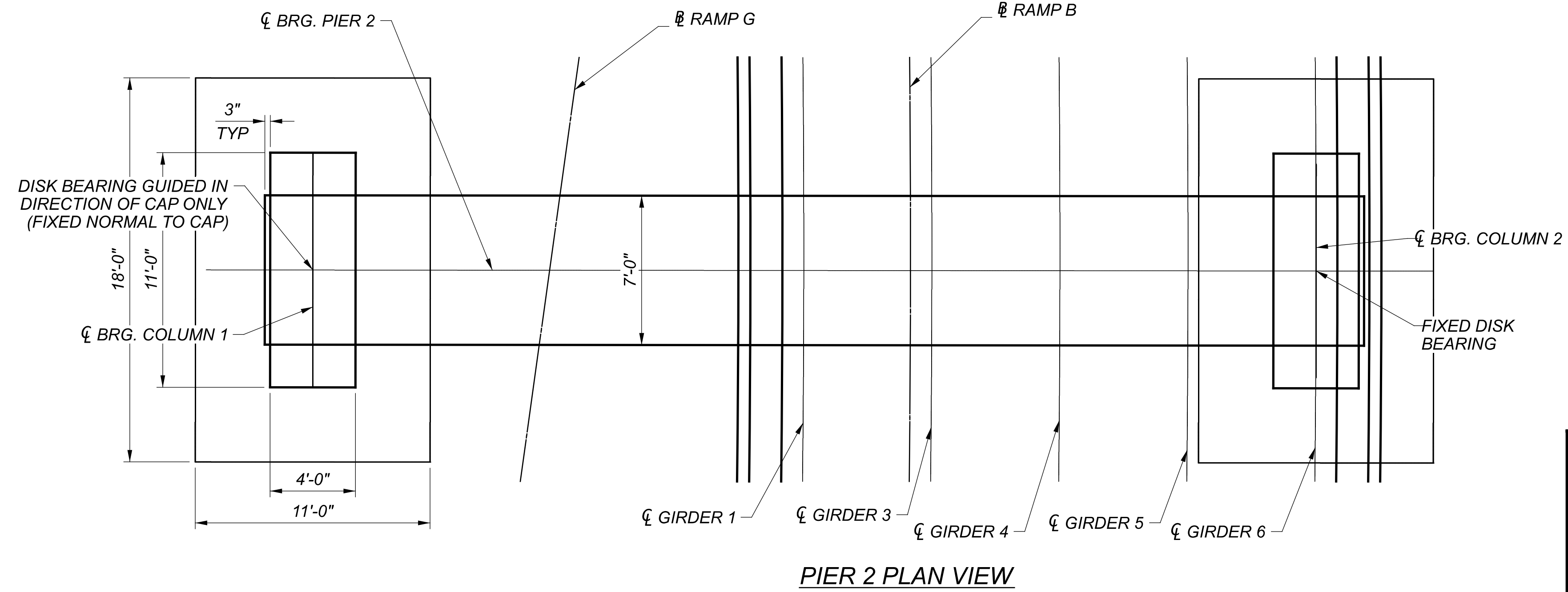
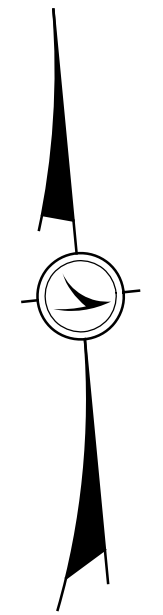


PIER 1 ELEVATION



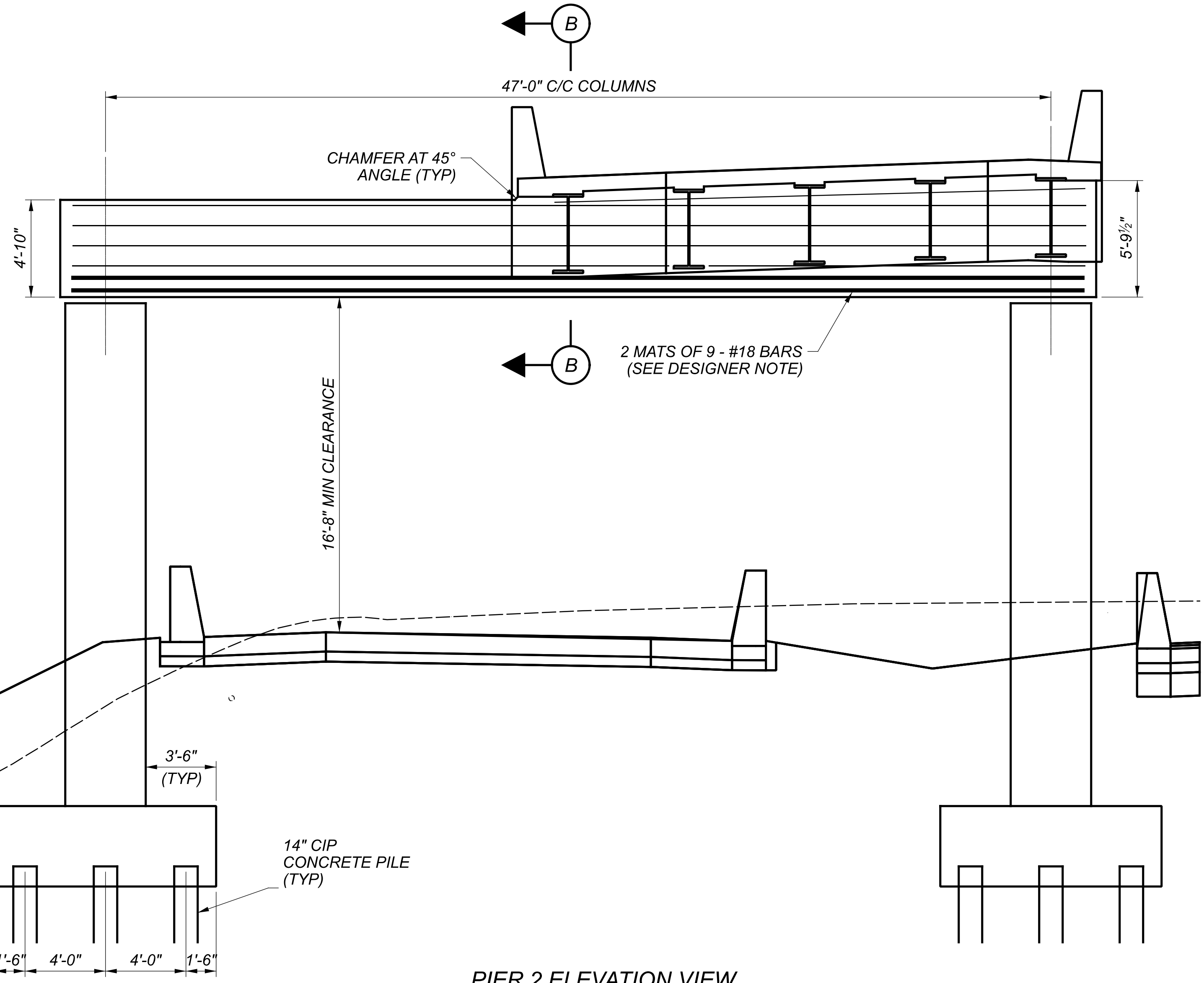
SECTION A-A

SFN	3109402
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	VDT
CHECKER	SAT
REVIEWER	EFD
DATE	06/21/24
PROJECT ID	114161
SUBSET	4
TOTAL	9
SHEET	P.449
TOTAL	463

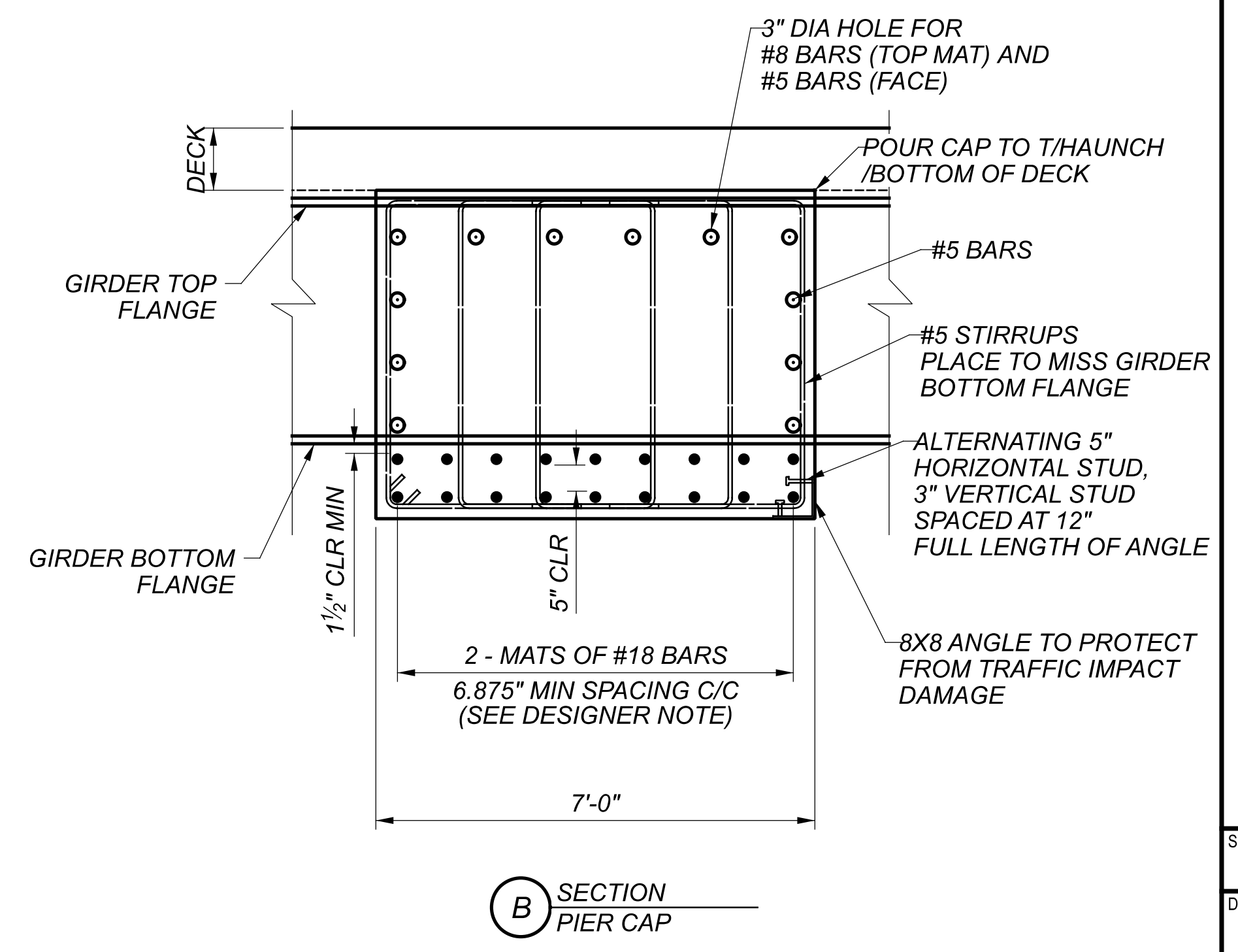


PIER 2 PLAN VIEW

DESIGNER NOTE
 PRELIMINARY CONSERVATIVE DESIGN CALCULATIONS SHOWED THAT A TRADITIONALLY REINFORCED CONCRETE CAP WOULD WORK WITH 2 MATS OF 9 - #18 BARS WITH THE CURRENT LAYOUT. A MORE REFINED ANALYSIS SHOWED THAT THE TRADITIONALLY REINFORCED CONCRETE CAP COULD BE FEASIBLE WITH JUST ONE ROW OF #18 BARS. THE PLANS WILL REMAIN SHOWING THE DOUBLE MAT OF REINFORCING, HOWEVER IN FINAL DESIGN THERE MAY BE LESS #18 BARS IN THE CAP PENDING FURTHER ANALYSIS.

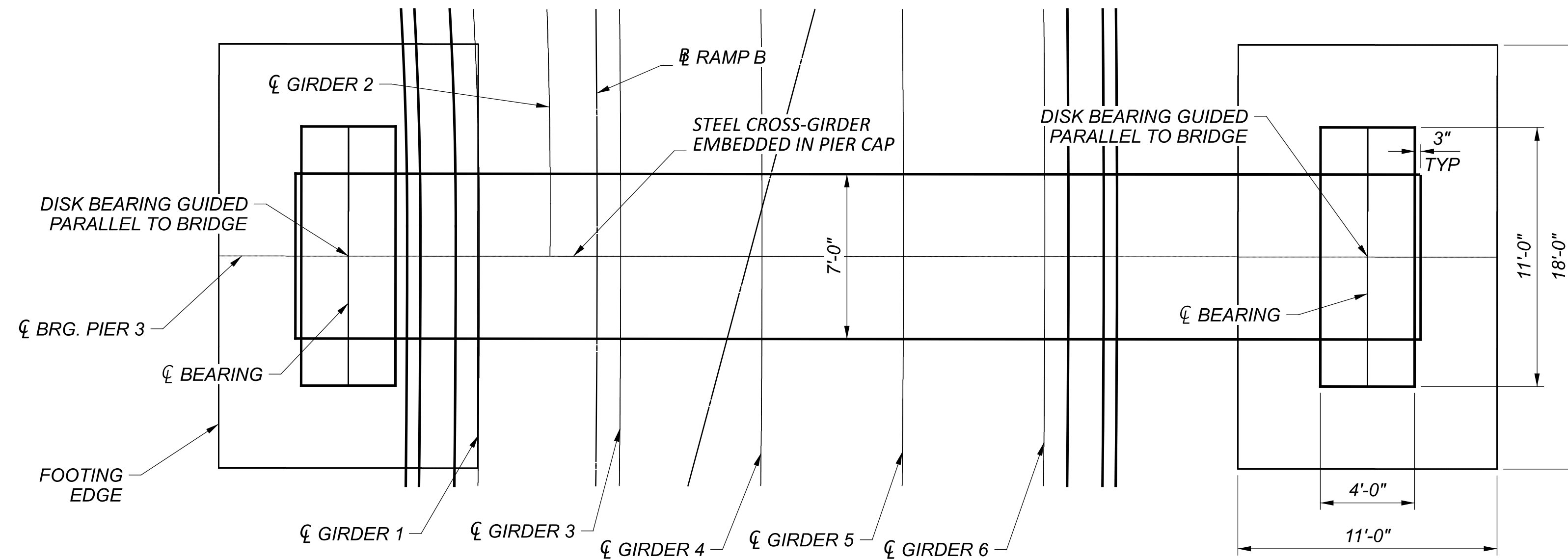
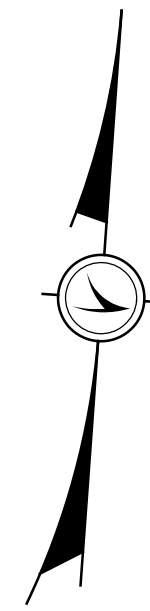


PIER 2 ELEVATION VIEW

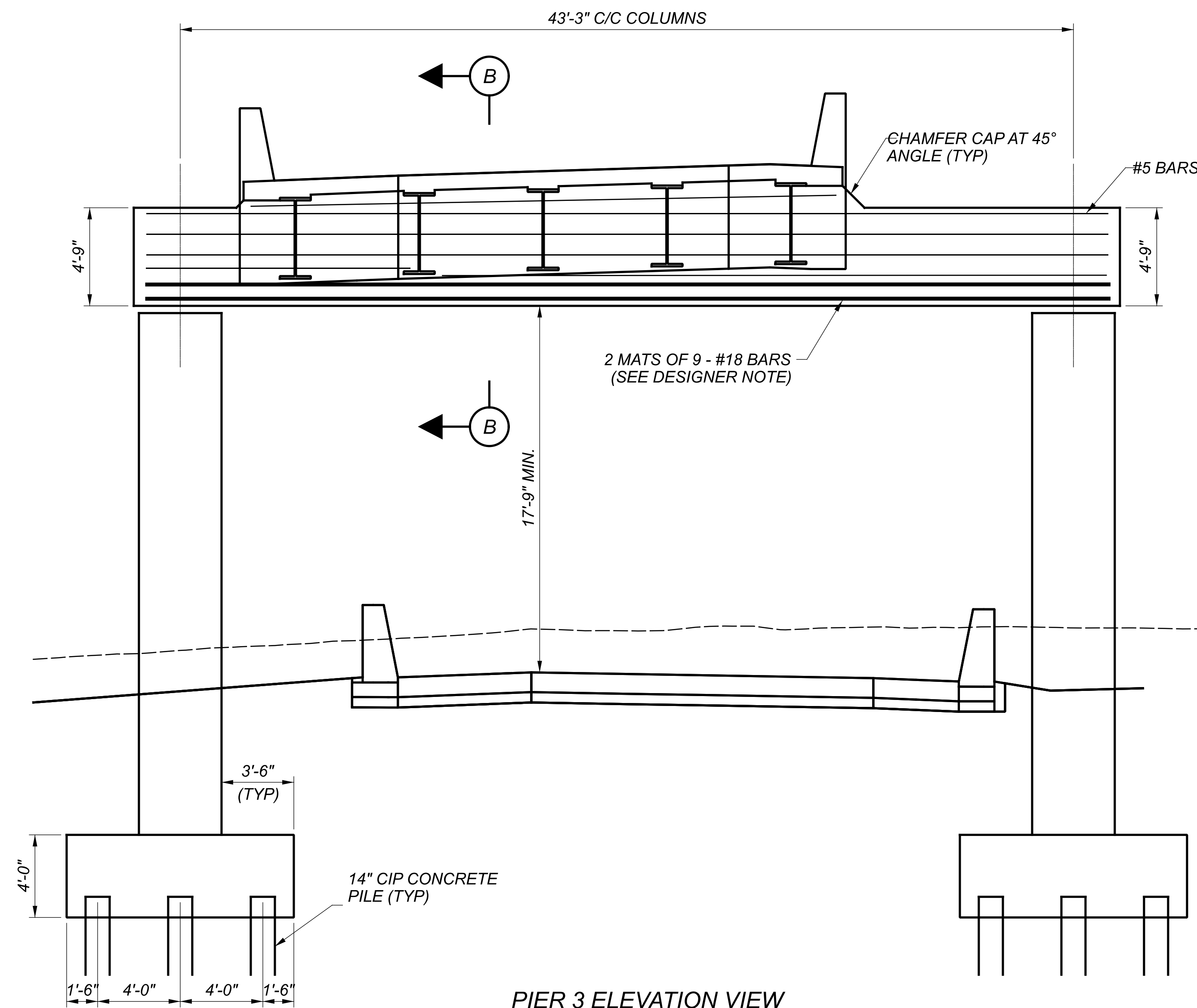


SECTION B SECTION PIER CAP

SFN	3109402
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	VDT
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	5
TOTAL	9
SHEET	P.450
TOTAL	463

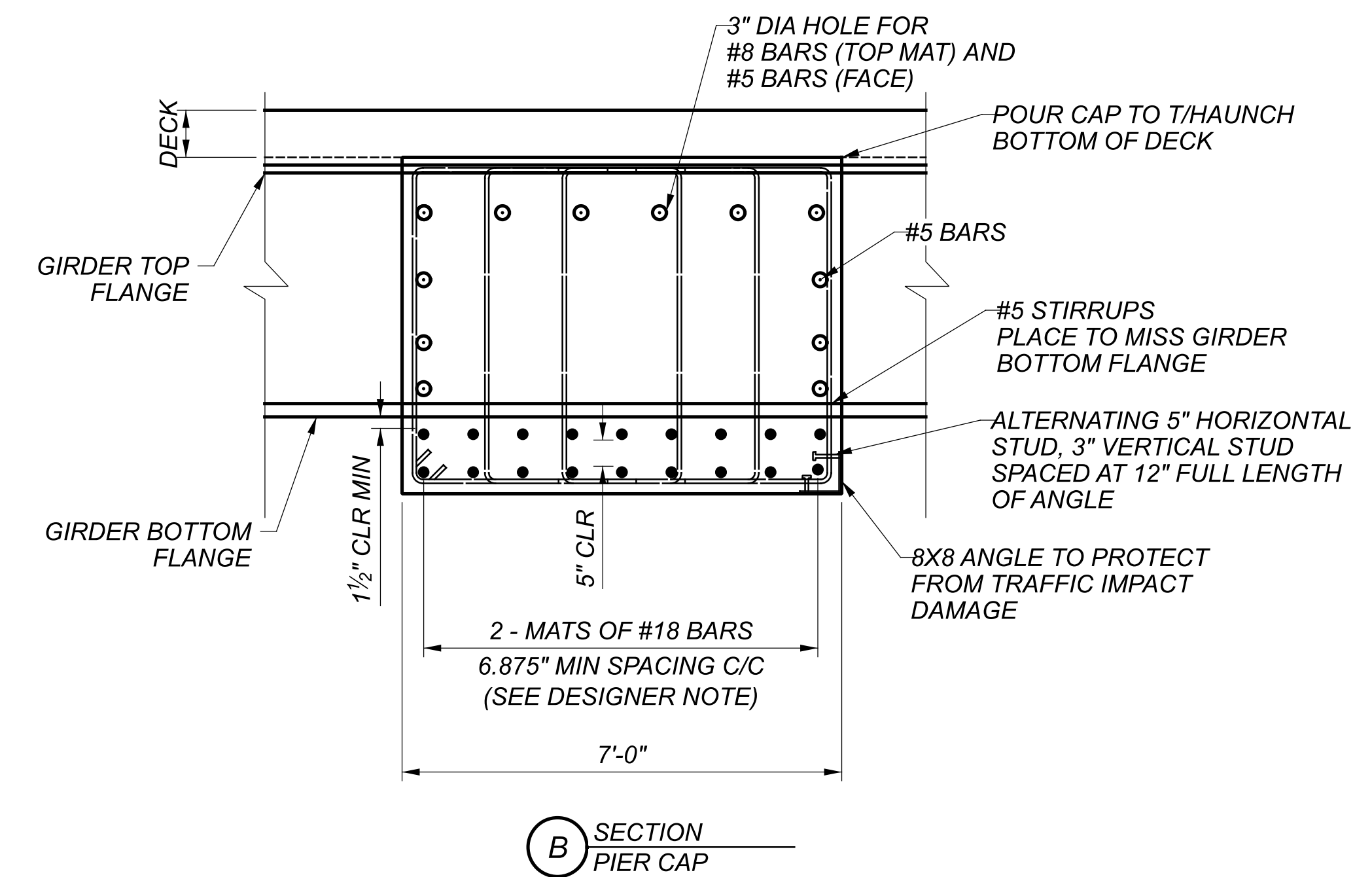


PIER 3 PLAN VIEW



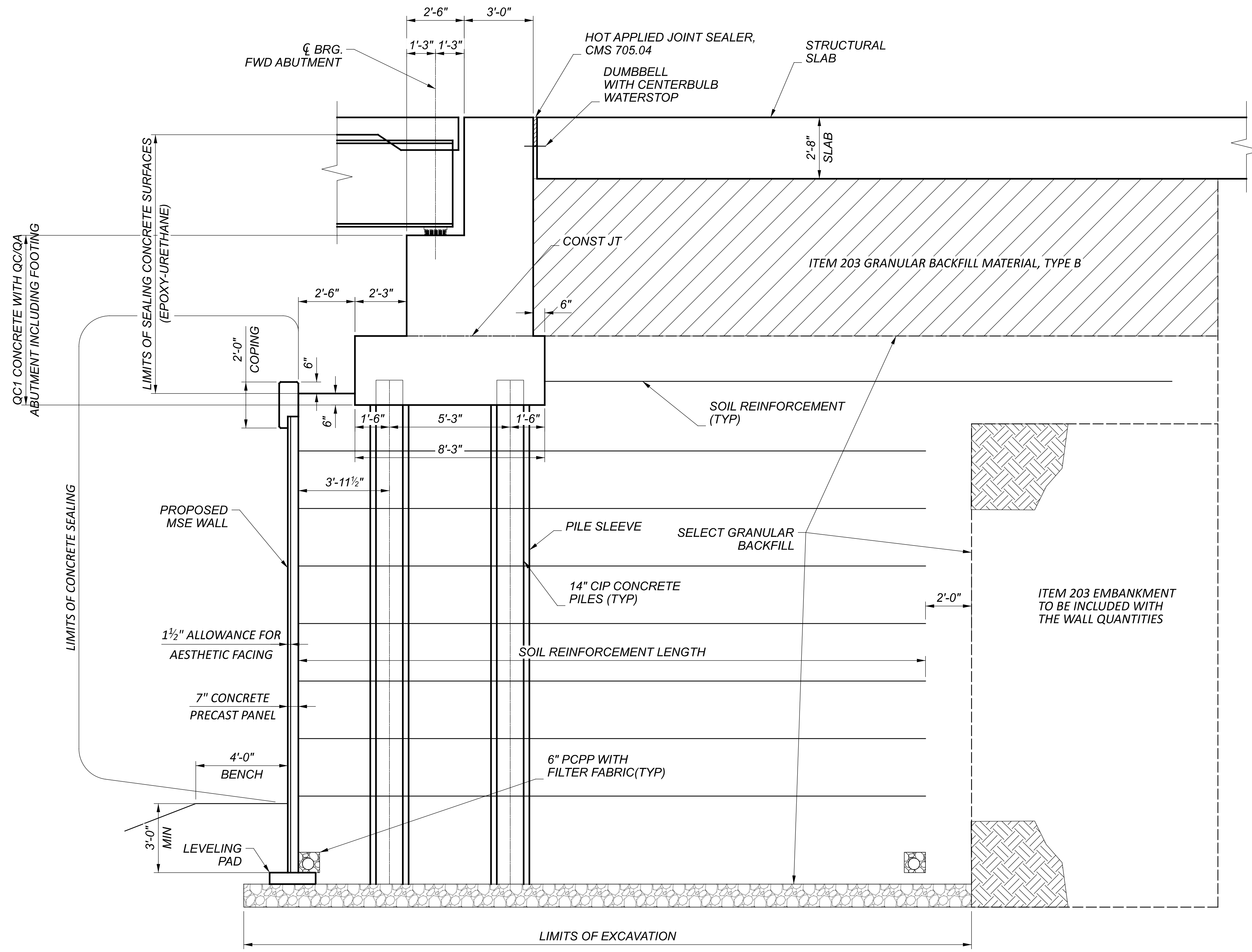
PIER 3 ELEVATION VIEW

DESIGNER NOTE:
 PRELIMINARY CONSERVATIVE DESIGN CALCULATIONS SHOWED THAT A TRADITIONALLY REINFORCED CONCRETE CAP WOULD WORK WITH 2 MATS OF 9 - #18 BARS WITH THE CURENT LAYOUT. A MORE REFINED ANALYSIS SHOWED THAT THE TRADITIONALLY REINFORCED CONCRETE CAP COULD BE FEASIBLE WITH JUST ONE ROW OF #18 BARS. THE PLANS WILL REMAIN SHOWING THE DOUBLE MAT OF REINFORCING, HOWEVER IN FINAL DESIGN THERE MAY BE LESS #18 BARS IN THE CAP PENDING FURTHER ANALYSIS.



SECTION B SECTION PIER CAP

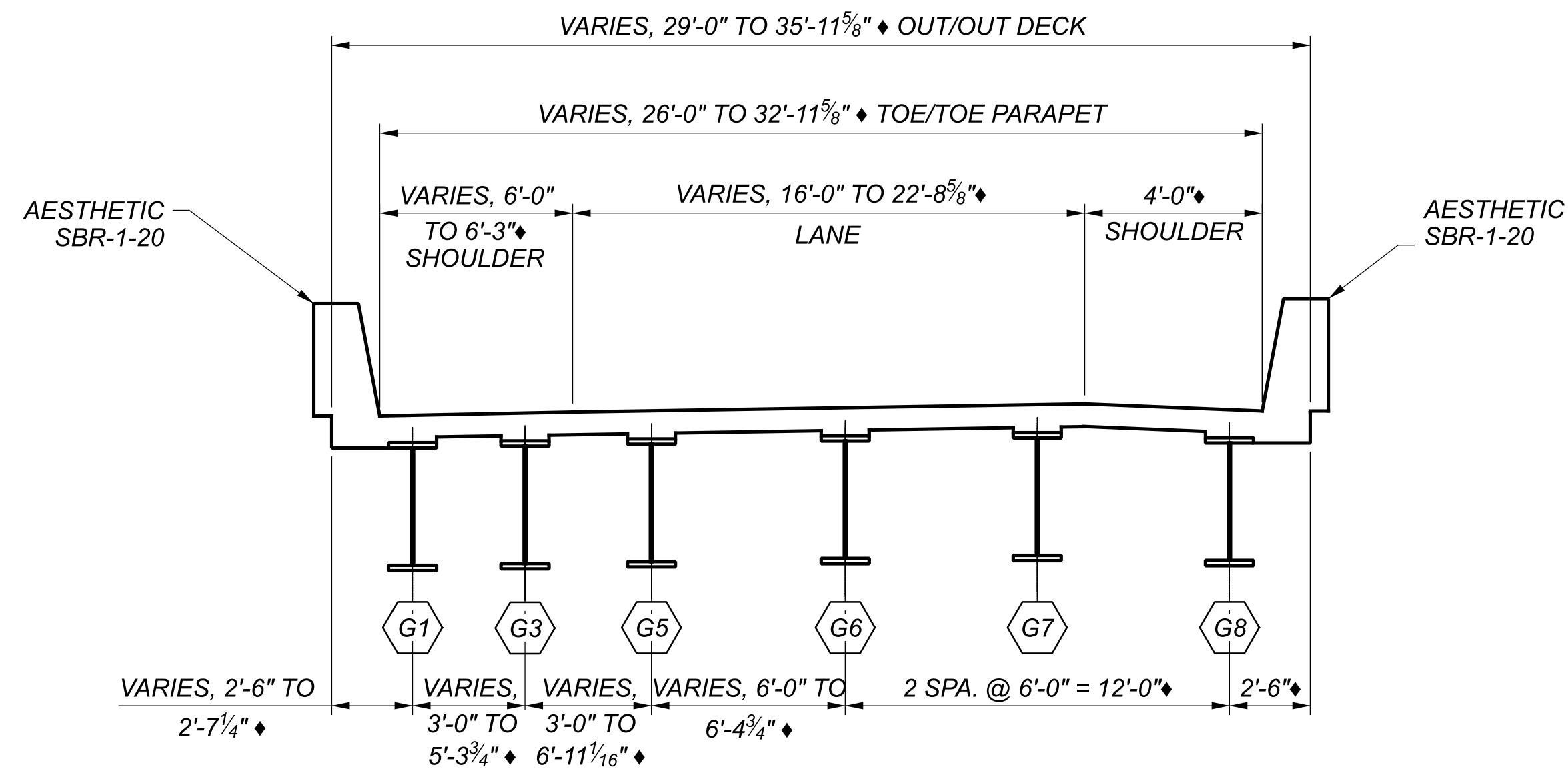
SFN	3109402
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	VDT
CHECKER	SAT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	6
TOTAL	9
SHEET	P.451
TOTAL	463



FORWARD ABUTMENT SECTION

FORWARD ABUTMENT DETAILS
BRIDGE NO. HAM-75-2.390
IR 75 SOUTHBOUND ON RAMP B OVER HARRISON AVE AND RAMP G

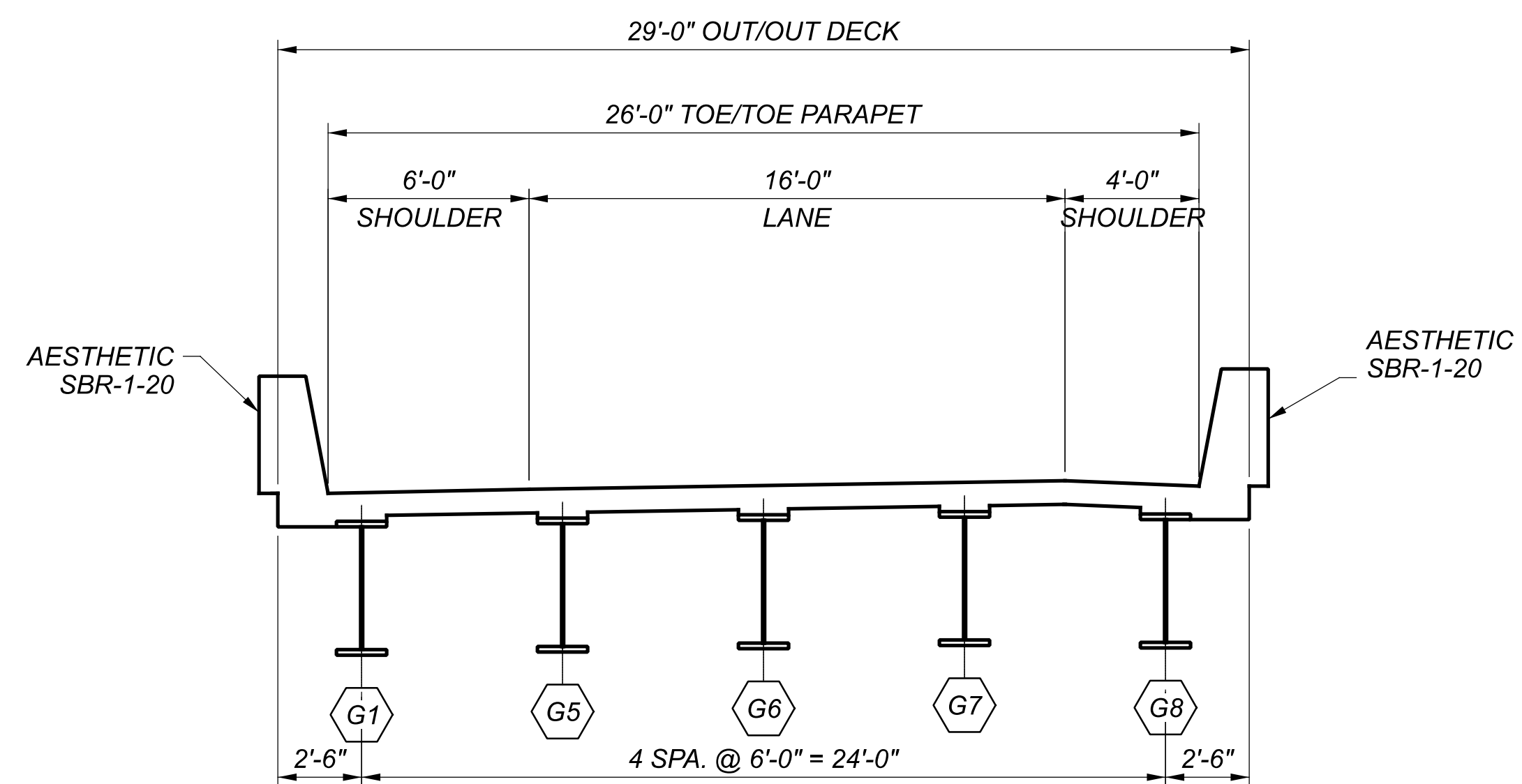
SFN	3109402
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	SAT
CHECKER	MTO
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	7
TOTAL	9
SHEET	P.452
TOTAL	463



TRANSVERSE SECTION
 FROM STA. 19+83.92 TO STA. 20+27.05

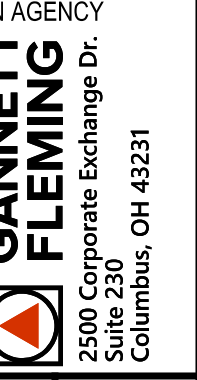
LEGEND

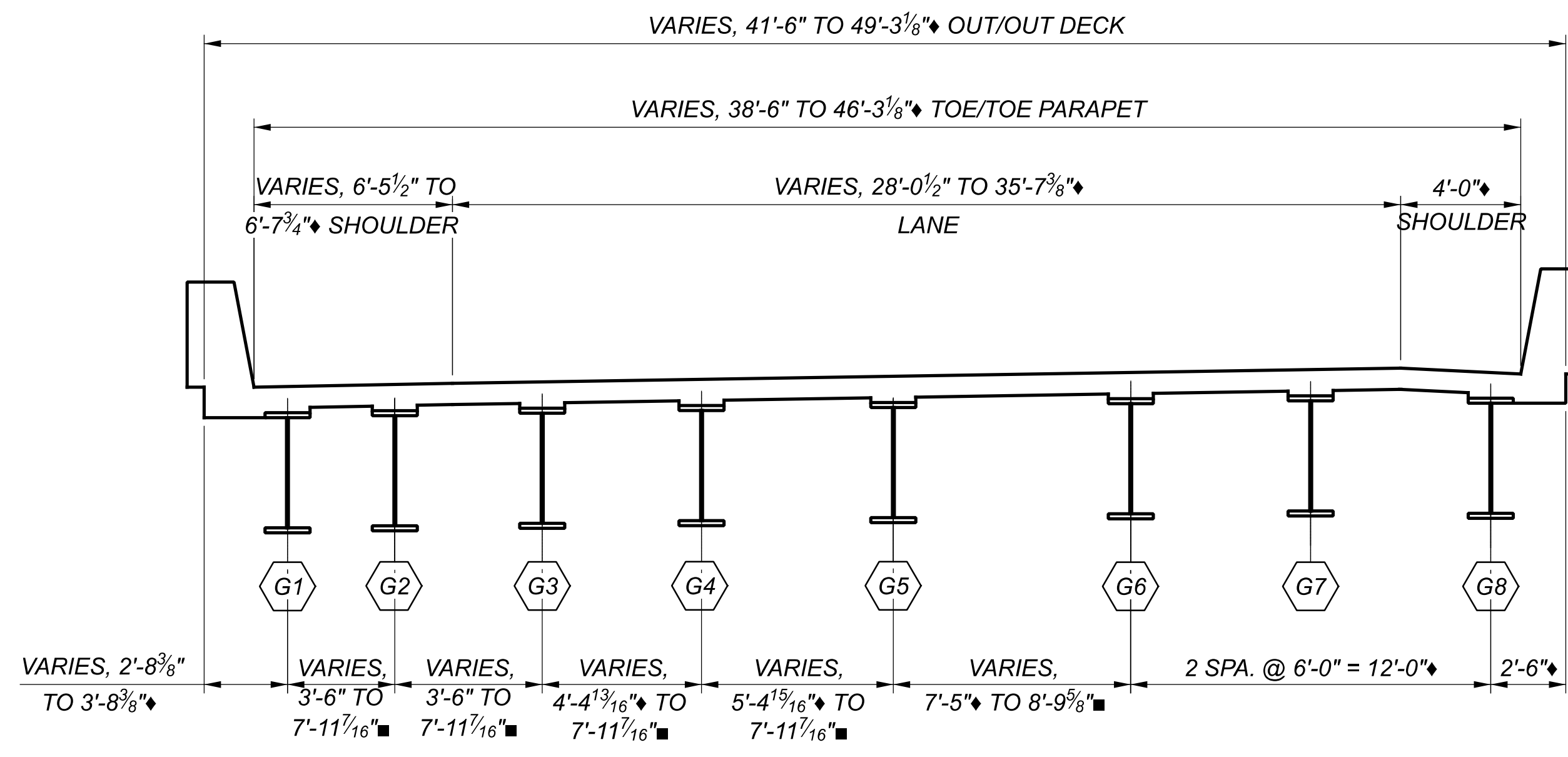
◆ DISTANCES MEASURED PERPENDICULAR TO BASELINE OF RAMP B



TRANSVERSE SECTION
 FROM STA. 15+59.92 TO STA. 19+83.92

SFN	3109402
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	SAT
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	8
TOTAL	9
SHEET	P.453
TOTAL	463

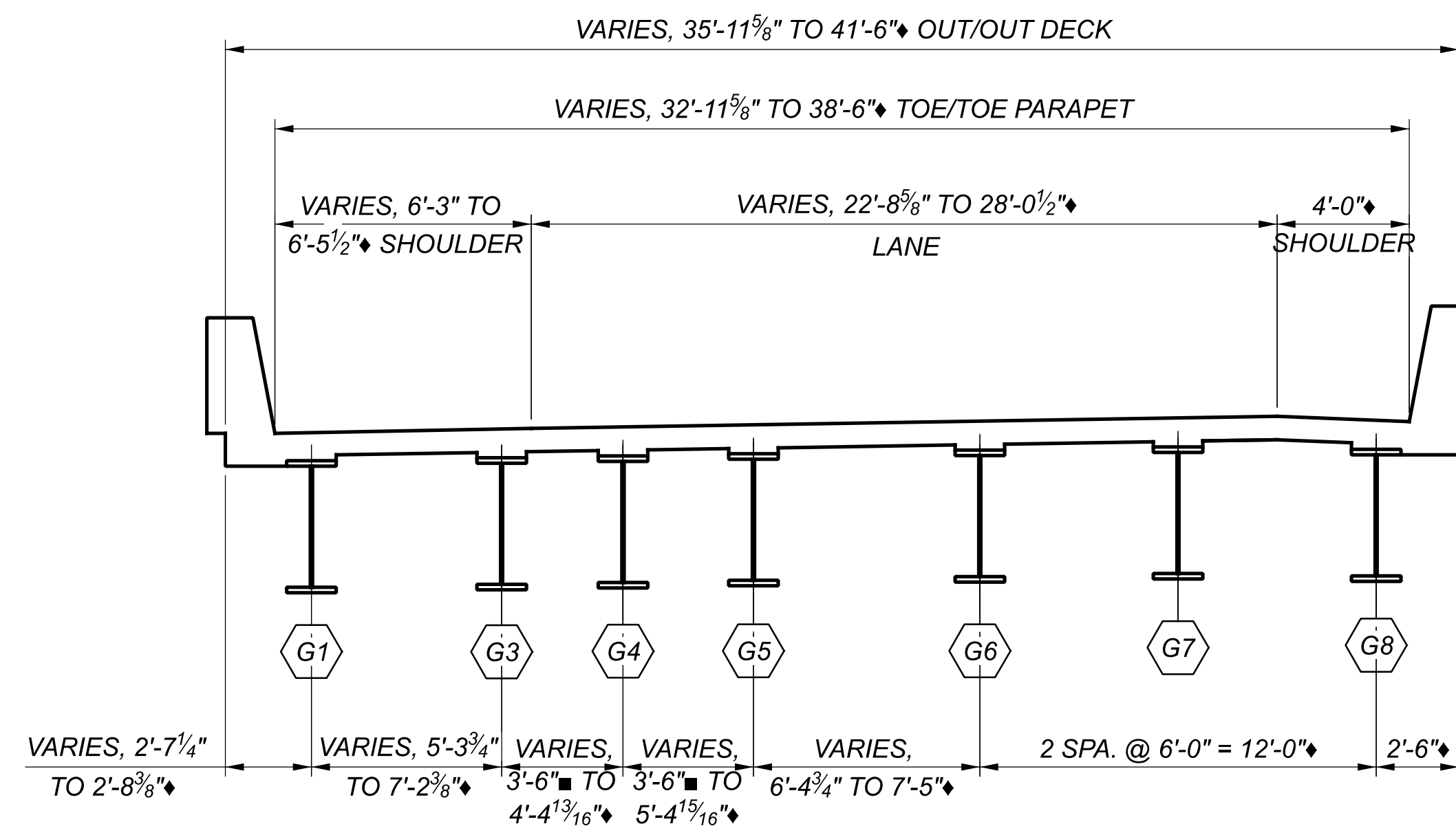




TRANSVERSE SECTION
 FROM STA. 20+51.57 TO STA. 20+67.92

LEGEND

- ◆ DISTANCES MEASURED PERPENDICULAR TO BASELINE OF RAMP B
- DISTANCES MEASURED CENTER/CENTER BEAM

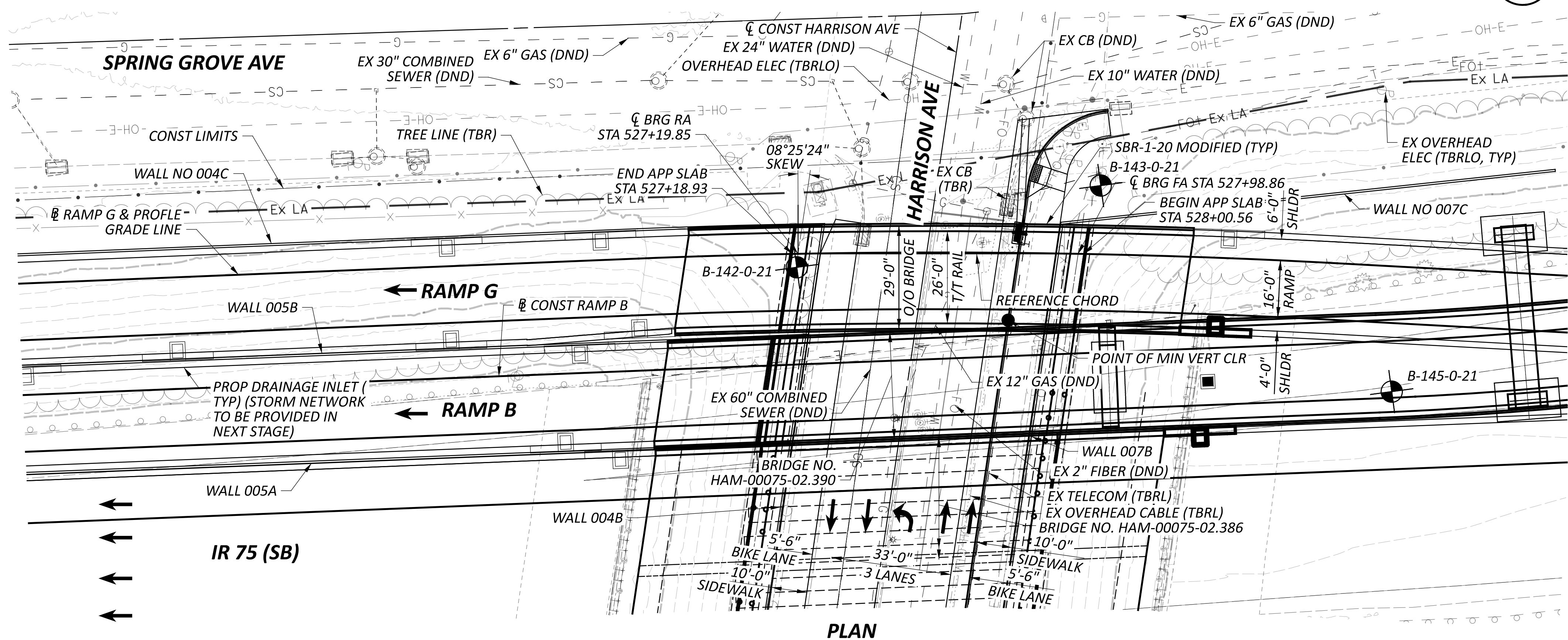


TRANSVERSE SECTION
 FROM STA. 20+35.71 TO STA. 20+51.57

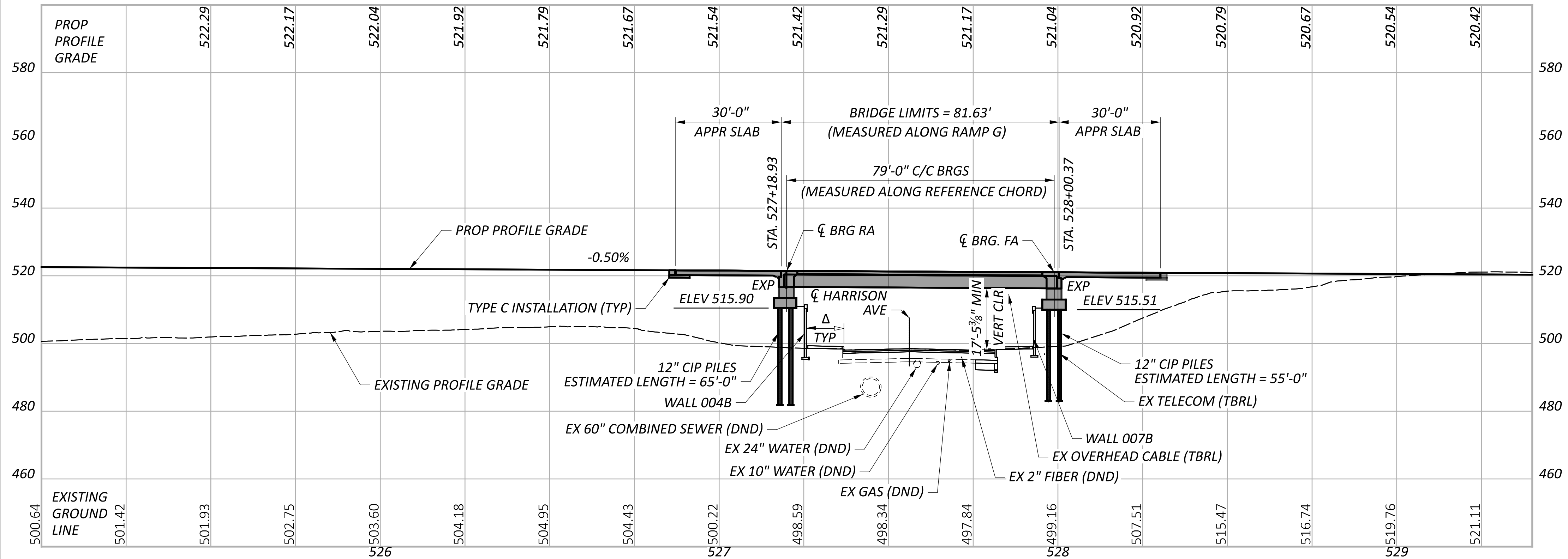
SFN	3109402
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	SAT
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	9
TOTAL	9
SHEET	P.454
TOTAL	463



MODEL: PLAN-RAMP G PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 1:51:09 PM USER: abrahamkhalil
 pw:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 08\Hamilton\114161\401-Engineering_EMHT\Structures\SFN_3109403_SPO03.dgn



PLAN



PROFILE ALONG RAMP G

CONTROL POINT DATA*

CP #1 STA.	124+31.09,	ELEV.	501.22,	OFFSET	178.50,	RT
CP #2 STA.	135+03.11,	ELEV.	508.78,	OFFSET	169.34,	RT

* STATIONS AND OFFSETS ARE ALONG C CONST IR 75.

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.3 - P.5 /463

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:

2029 ADT =	7,150	2029 ADTT =	858
2049 ADT =	7,350	2049 ADTT =	882

LEGEND

- ◆ BORING LOCATION
- 16'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
- 17'-5 3/8" ACTUAL MINIMUM VERTICAL CLEARANCE
- △ - 10'-0" REQUIRED HORIZONTAL CLEARANCE
- 10'-8" ACTUAL HORIZONTAL CLEARANCE

RAMP G CURVE DATA

P.I. = 527+73.51
 Δ = 05°25'15" RT
 Dc = 02°45'00"
 R = 2,083.48'
 T = 98.64'
 L = 197.12'
 E = 2.33'

PROPOSED STRUCTURE

TYPE: SEMI-INTEGRAL SINGLE-SPAN PRESTRESSED I-BEAM WITH COMPOSITE REINFORCED CONCRETE DECK SUPPORTED ON SEMI-INTEGRAL ABUTMENT BEHIND MSE WALLS

SPANS: 79'-0" C/C BRGS (MEASURED ALONG REFERENCE CHORD)

ROADWAY: 26'-0" TOE/TOE PARAPET

LOADING: HL93 AND 0.06 KSF FUTURE WEARING SURFACE

SKIEW: 08°25'24" LF (MEASURED PERP TO REFERENCE CHORD)

WEARING SURFACE: 1" MONOLITHIC CONCRETE

APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15)

ALIGNMENT: 2°45'00" CURVE

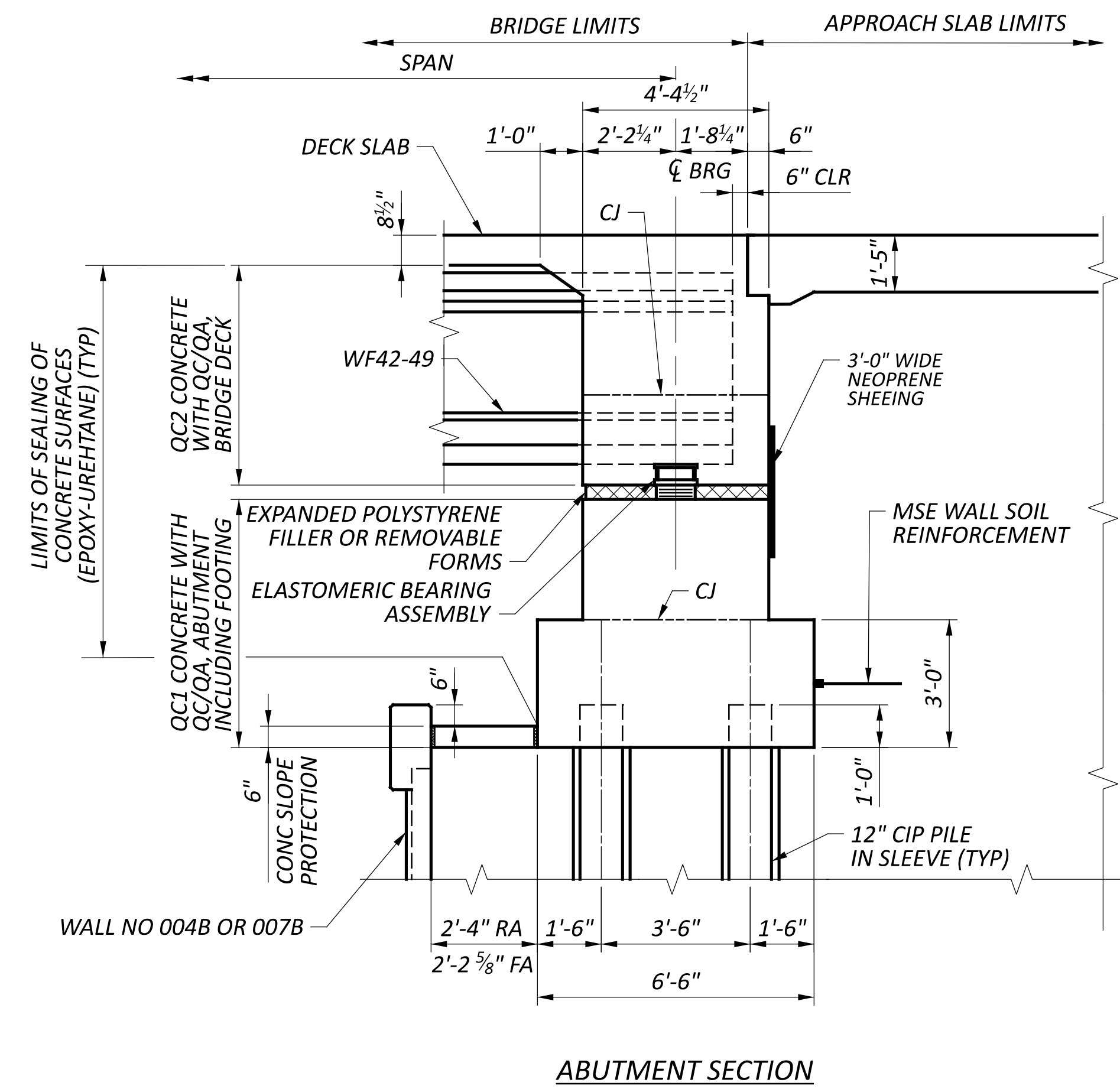
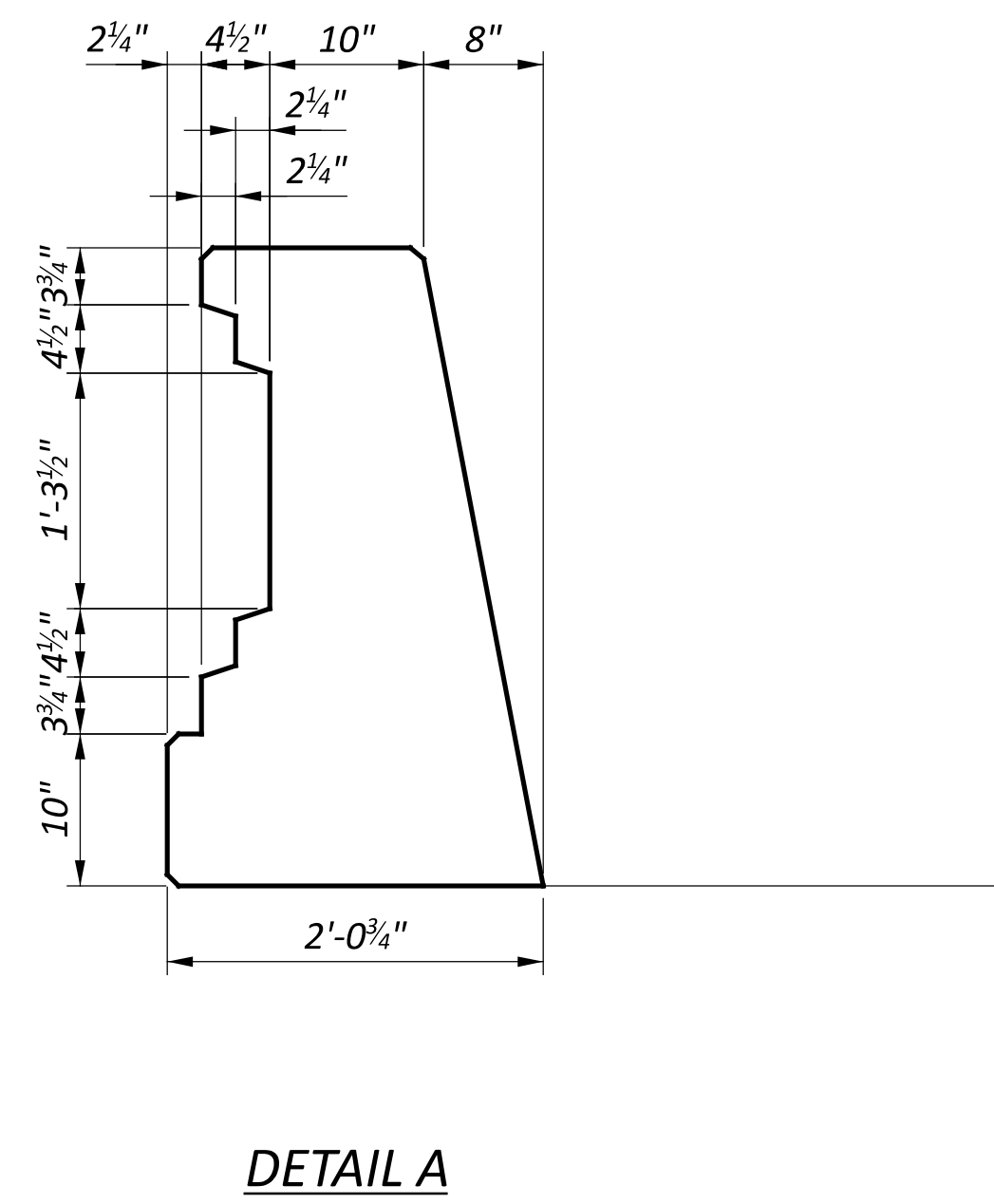
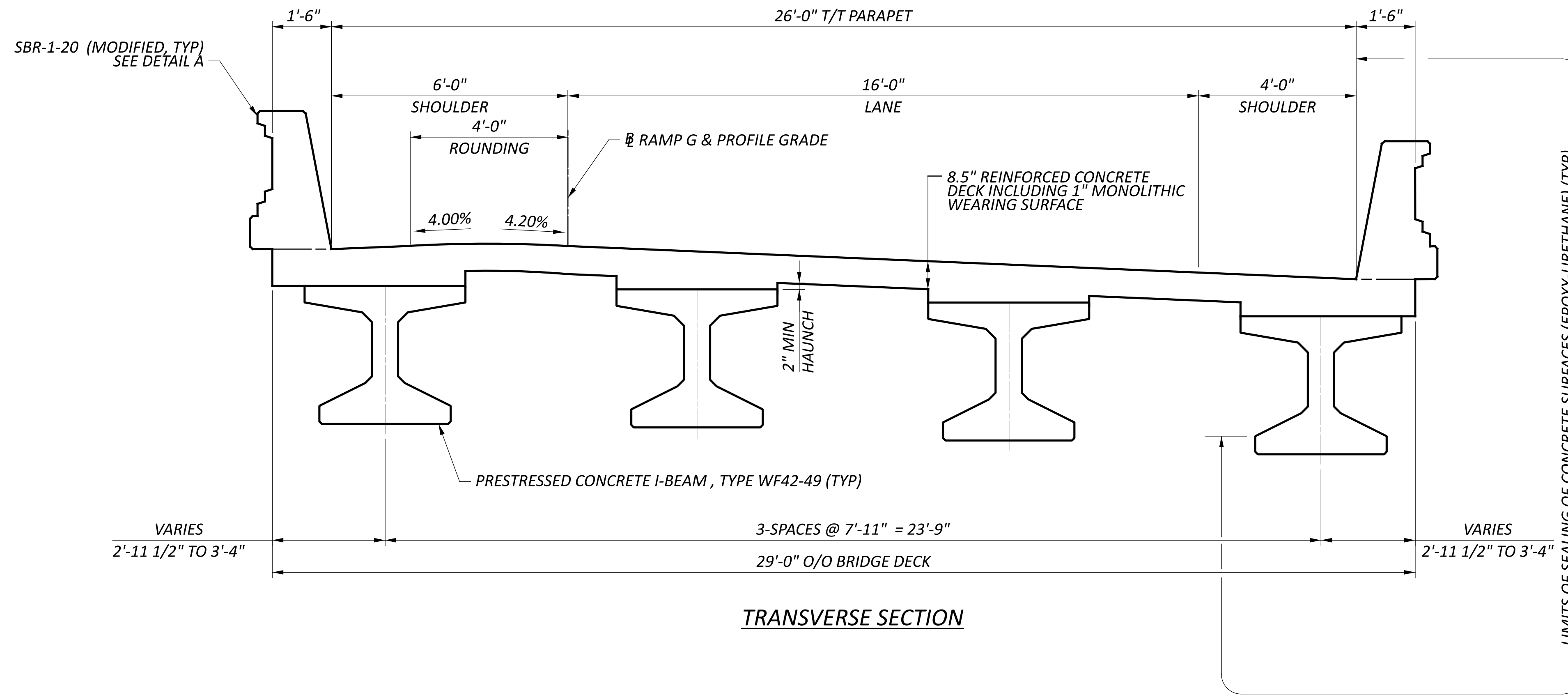
SUPERELEVATION: 0.042 FT/FT

DECK AREA: 2390 SF

COORDINATES: LATITUDE N 39°07'22.25"
 LONGITUDE W 84°32'09.17"

SITE PLAN
 BRIDGE NO. HAM-00075-02.391
 RAMP G OVER HARRISON ROAD

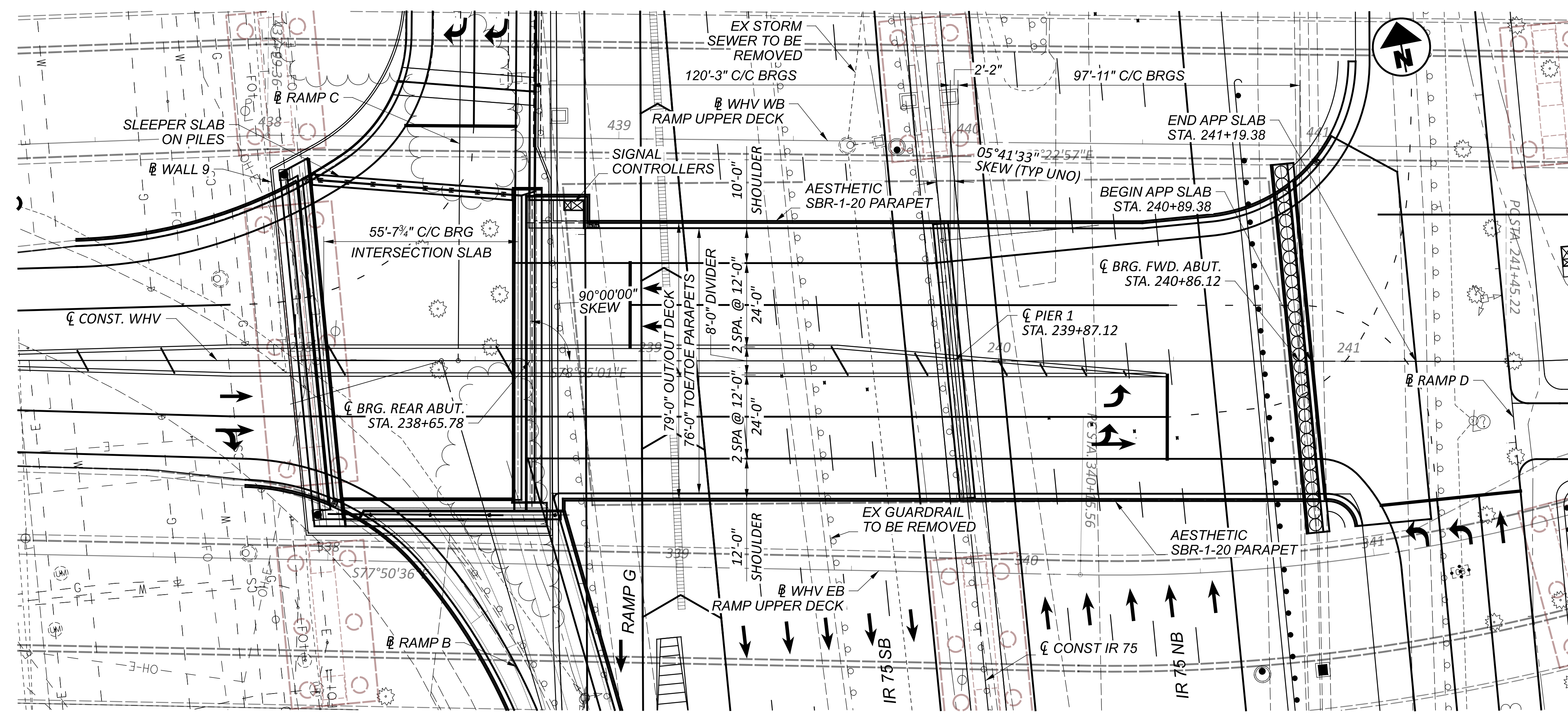
SFN	3109403
DESIGN AGENCY	EMHT
DESIGNER	AI
CHECKER	JGM
REVIEWER	CAS
PROJECT ID	114161
SUBSET	1
TOTAL	2
SHEET	P.455
TOTAL	463



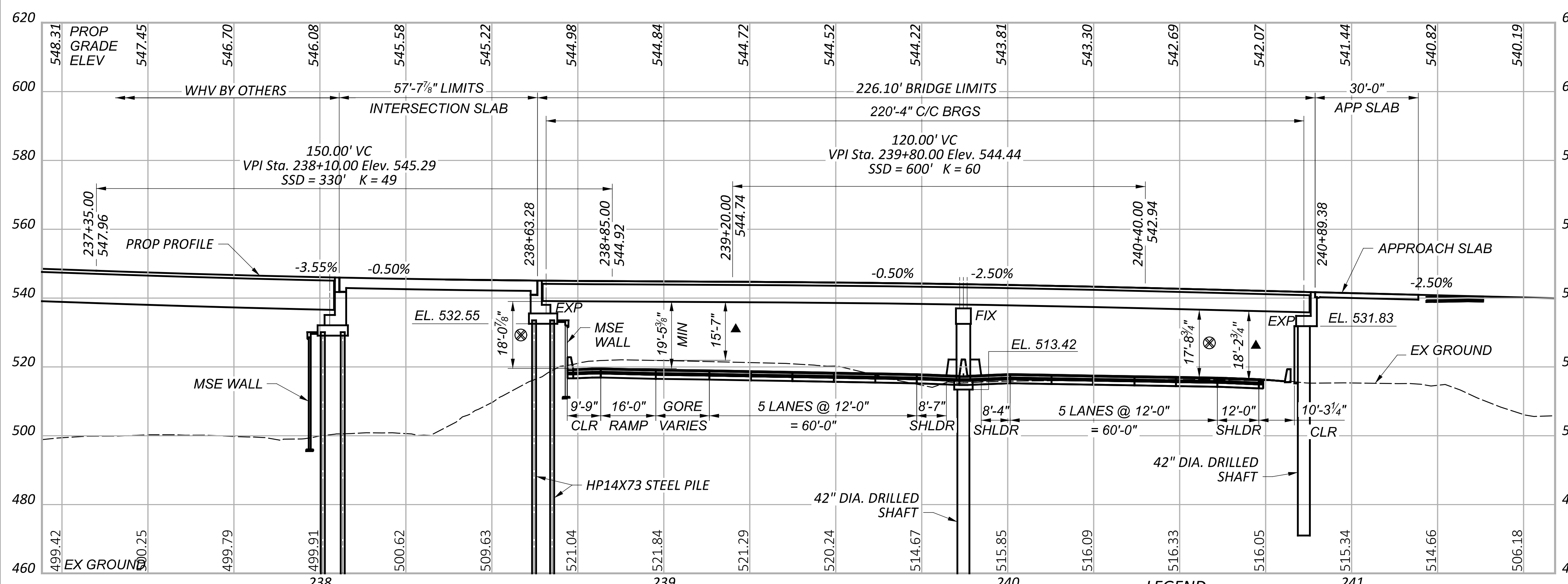
SFN	3109403
DESIGN AGENCY	EMHT
DESIGNER	CHECKER
AI	JGM
REVIEWER	
CAS	06/21/24
PROJECT ID	114161
SUBSET	TOTAL
2	2
SHEET	TOTAL
P.456	463

HAM-75-1.95

MODEL: CLP_WHV - Plan 1 (Sheet) PAPER SIZE: 34x22 (in.) DATE: 6/20/2024 TIME: 5:47:40 PM USER: stony
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 SUBMITTAL: SUB_STG PLOT DRIVER: OHDOT_PDF.plt



PLAN



PROFILE ALONG WHV

LEGEND
 ⊗ VERTICAL CLEARANCE TO PROPOSED ROADWAY
 ▲ TEMPORARY VERTICAL CLEARANCE TO EXISTING ROADWAY

CONTROL POINT DATA*

CP #1 STA.	124+31.09,	ELEV.	501.22,	OFFSET	178.50,	RT
CP #2 STA.	135+03.11,	ELEV.	508.78,	OFFSET	169.34,	RT

* STATIONS AND OFFSETS ARE ALONG C CONST IR 75.
 FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET P.3 - P.5 /463

NOTES

EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:

2029 ADT = 22,900	2029 ADTT = 2,519
2049 ADT = 23,350	2049 ADTT = 2,568
DIRECTIONAL DISTRIBUTION = 53%	

LEGEND

⊗ BORING LOCATION

EXISTING STRUCTURE

TYPE: CONTINUOUS WELDED PLATE GIRDERS WITH NON-COMPOSITE REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 46'-7", 78'-1", 73'-1", 117'-8", 78'-7"

ROADWAY: VARIES, 40'-0" F/F OF CURBS MIN.

LOADING: CF-2000 (57)

SKREW: ZERO

WEARING SURFACE: 1" MONOLITHIC CONCRETE

APPROACH SLABS: AS-1-54 (25' LONG)

ALIGNMENT: TANGENT

CROWN: VARIES

STRUCTURE FILE NUMBER: 3105458

DATE BUILT: 1957

DISPOSITION: TO BE REMOVED

PROPOSED STRUCTURE

TYPE: PRESTRESSED CONCRETE I-BEAMS (CONTINUOUS FOR LIVE LOAD) WITH COMPOSITE REINFORCED CONCRETE DECK ON CAP & COLUMN PIER AND STUB ABUTMENTS

SPANS: 120'-3", 97'-11" C/C BRGS

ROADWAY: VARIES, 76'-0" MIN. TOE/TOE PARAPET

LOADING: HL93 AND 60 PSF FUTURE WEARING SURFACE

SKREW: NONE (REAR ABUT), 05° 35' 46" RIGHT FWD (PIER 1 AND FWD ABUT)

WEARING SURFACE: 1" MONOLITHIC CONCRETE

APPROACH SLABS: AS-1-15, AS-2-15 (30'-0" LONG)

ALIGNMENT: TANGENT

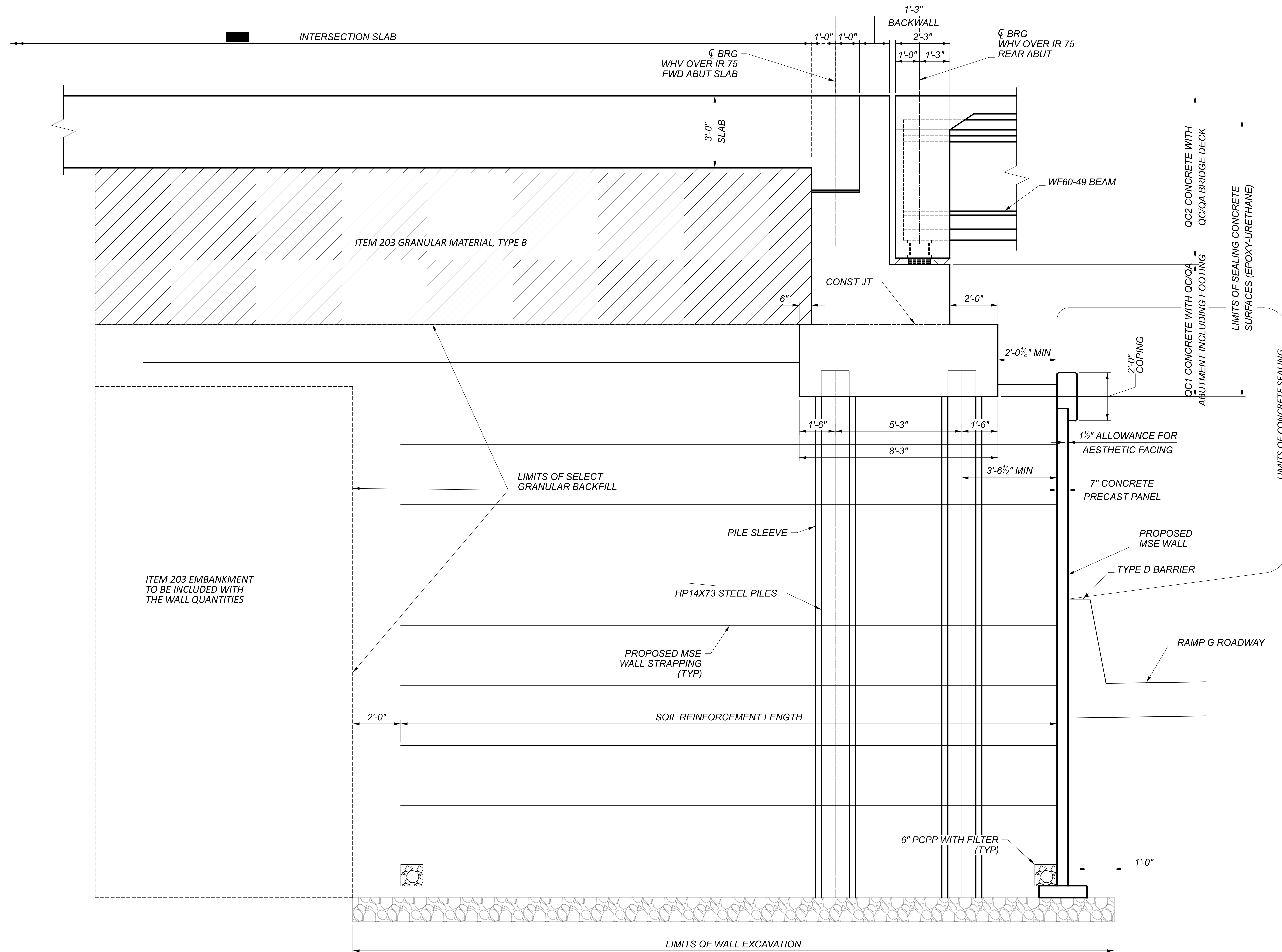
CROWN: 0.016 FT/FT

DECK AREA: 17,929 SF

COORDINATES: LATITUDE 39° 07'26.70" N
 LONGITUDE 84° 32'08.50" W

SITE PLAN
 BRIDGE NO. HAM-75-XXXX
 WESTERN HILLS VIADUCT OVER IR-75

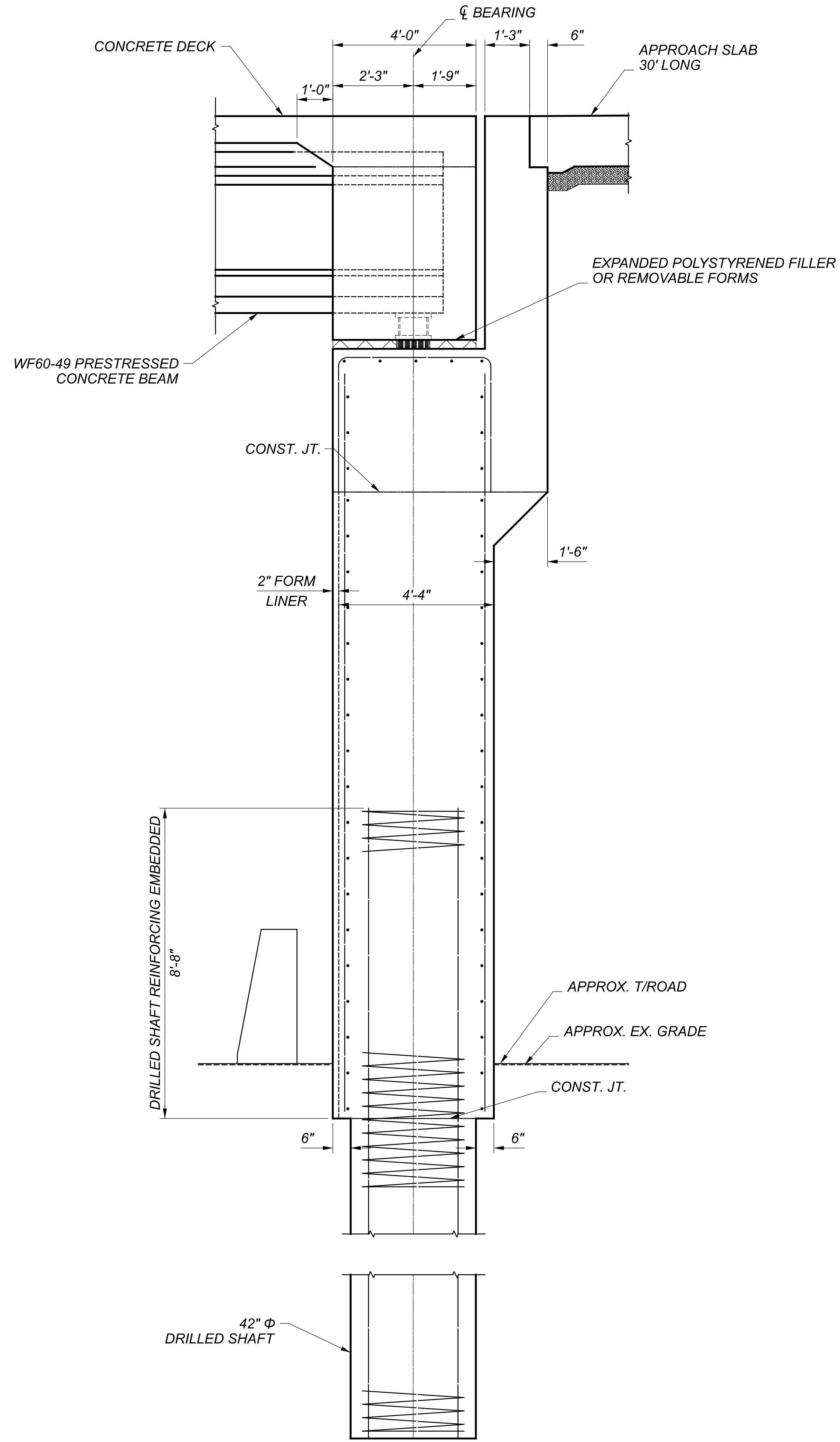
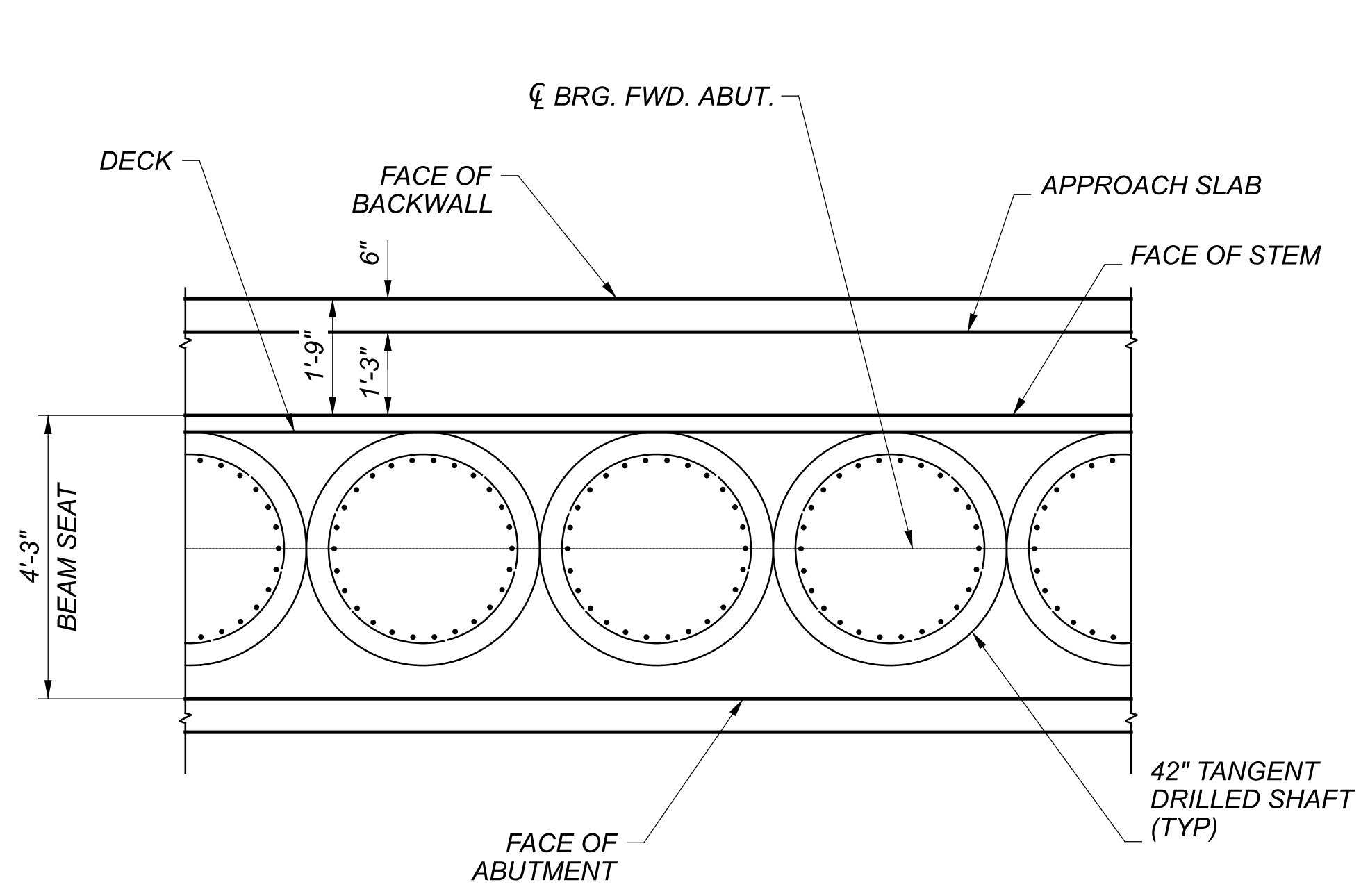
SFN	XXXXXXX
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	MTO
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	1
TOTAL	7
SHEET	P.457
TOTAL	463



ABUTMENT SECTION

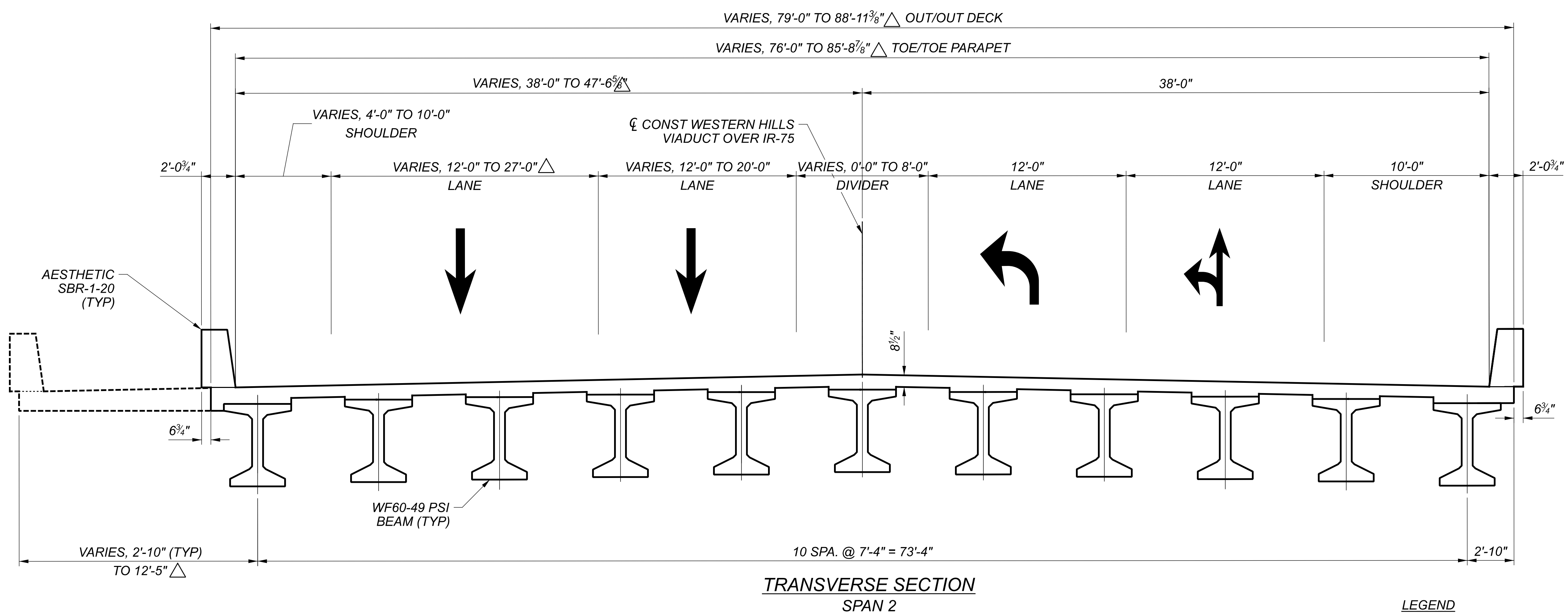
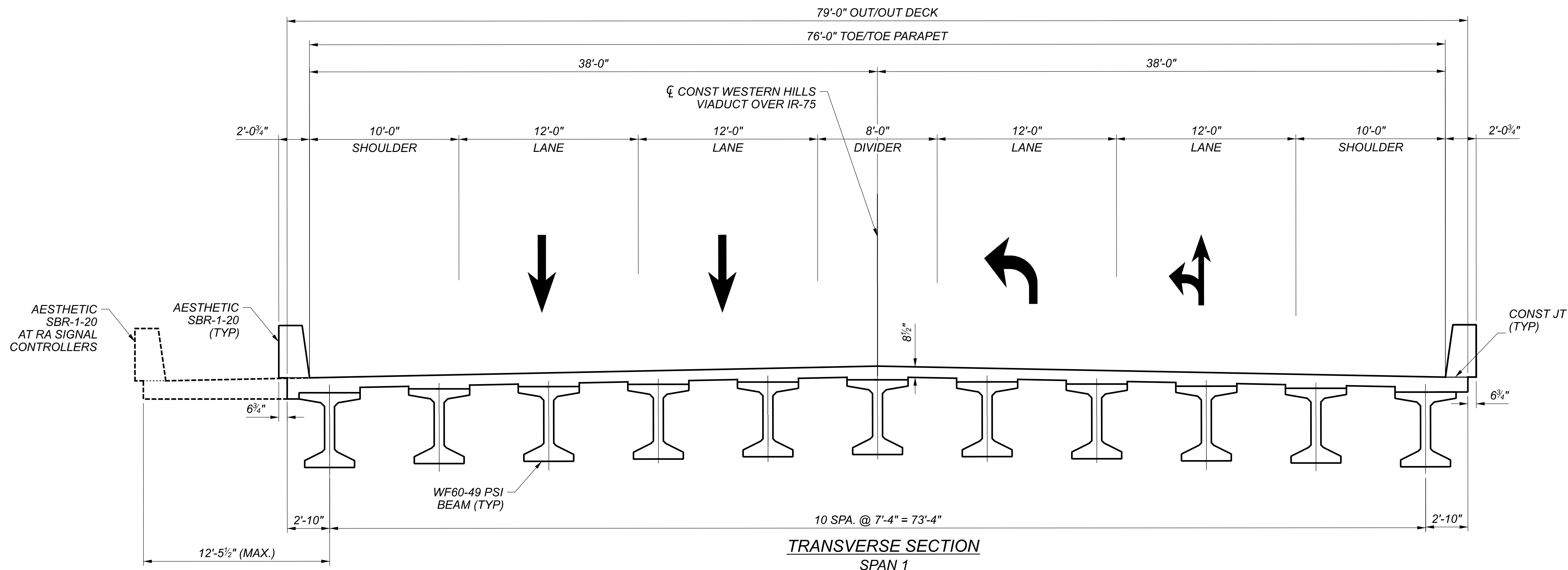
REAR ABUTMENT DETAILS
 BRIDGE NO. HAM-75-XXXX
 WESTERN HILLS VIADUCT OVER IR-75

SFN	XXXXXXXX
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	MTO
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	TOTAL
2	7
SHEET	TOTAL
P.458	463



FORWAR ABUTMENT DETAILS
BRIDGE NO. HAM-75-XXXX
WESTERN HILLS VIADUCT OVER IR-75

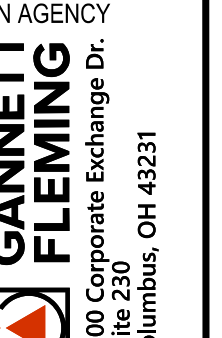
SFN	XXXXXXXX
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	CHECKER
MTO	VDT
REVIEWER	
PROJECT ID	114161
SUBSET	TOTAL
3	7
SHEET	TOTAL
P.459	463

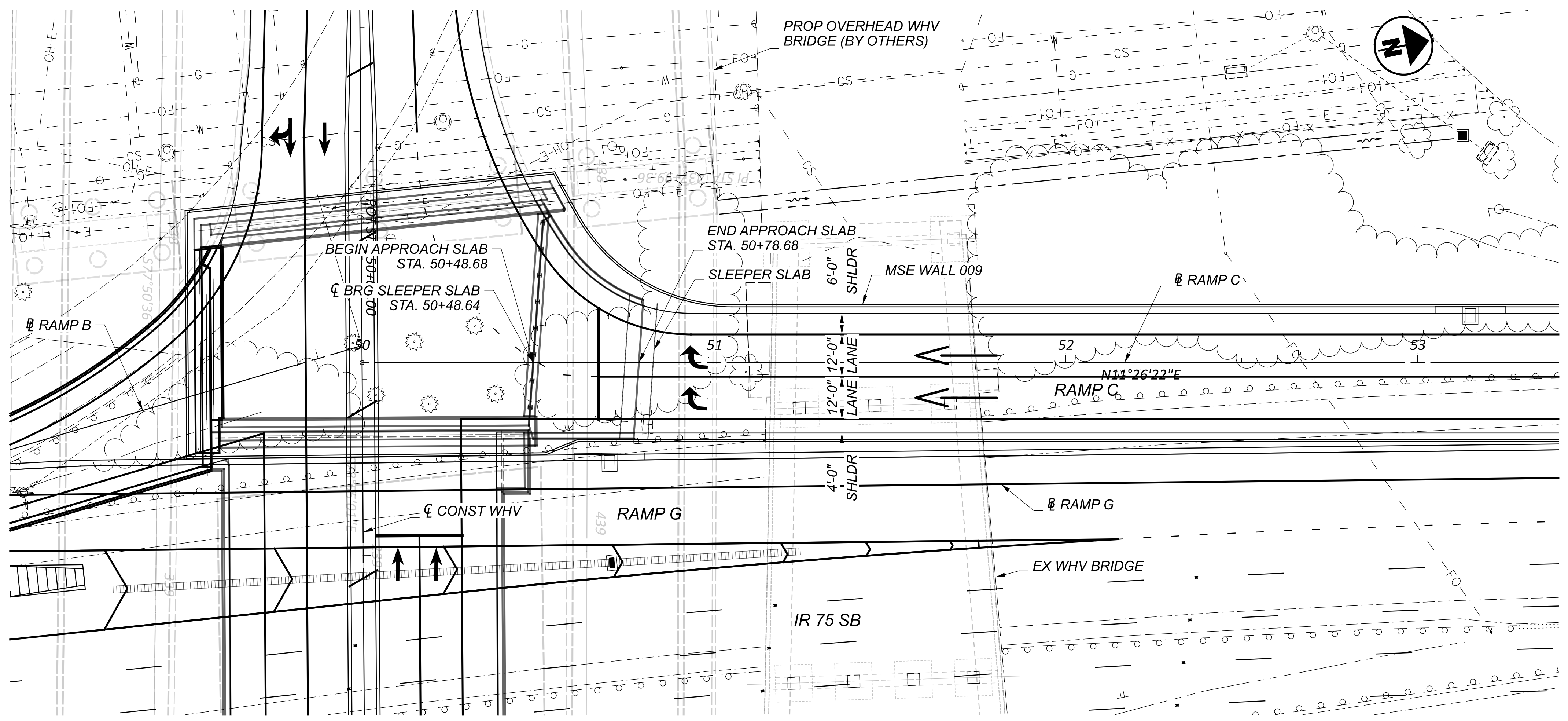


LEGEND
 △ - MEASURED ALONG ζ OF BEARING OF FORWARD ABUTMENT

TRANSVERSE SECTION
 BRIDGE NO. HAM-75-XXXX
 WESTERN HILLS VIADUCT OVER IR-75

SFN	XXXXXXXX
DESIGNER	MTO
CHECKER	VDT
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	5
TOTAL	7
SHEET	P.461
TOTAL	463





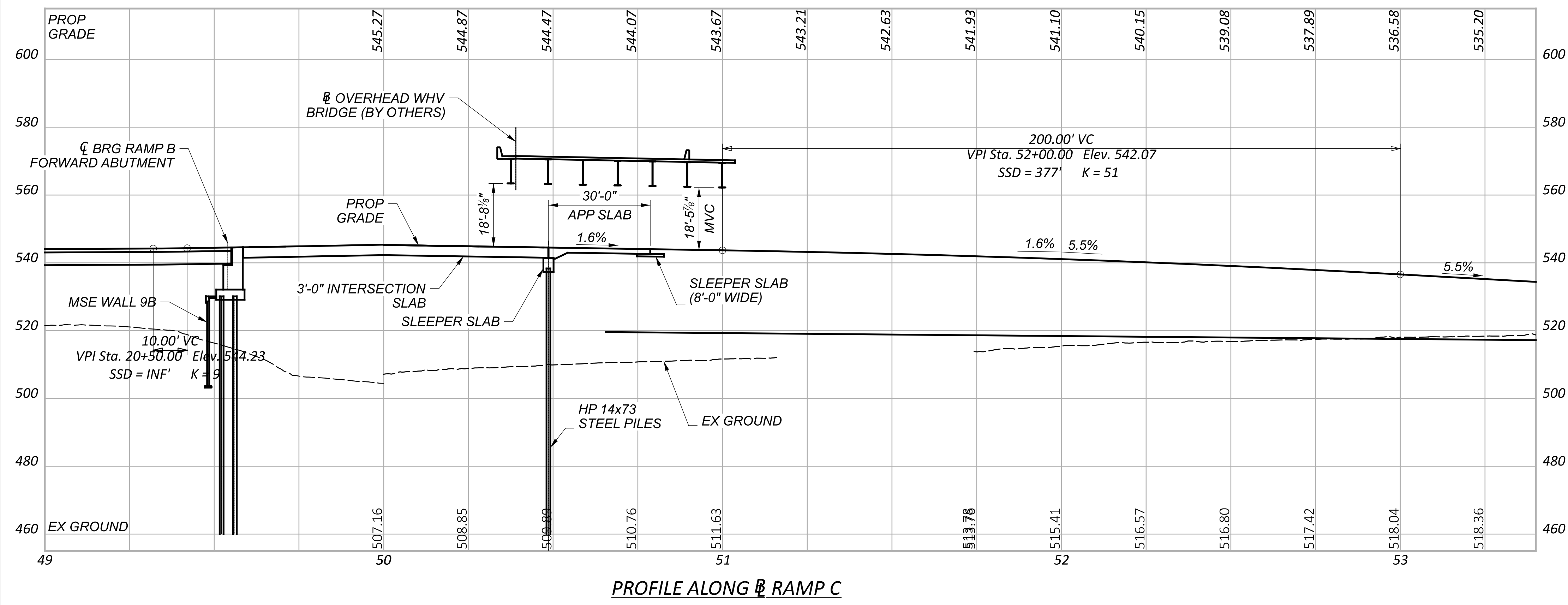
BENCHMARK DATA			
BM #1 STA.	ELEV.	OFFSET	
BM #2 STA.	ELEV.	OFFSET	
BM #3 STA.	ELEV.	OFFSET	
BM #4 STA.	ELEV.	OFFSET	

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET

NOTES
 EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

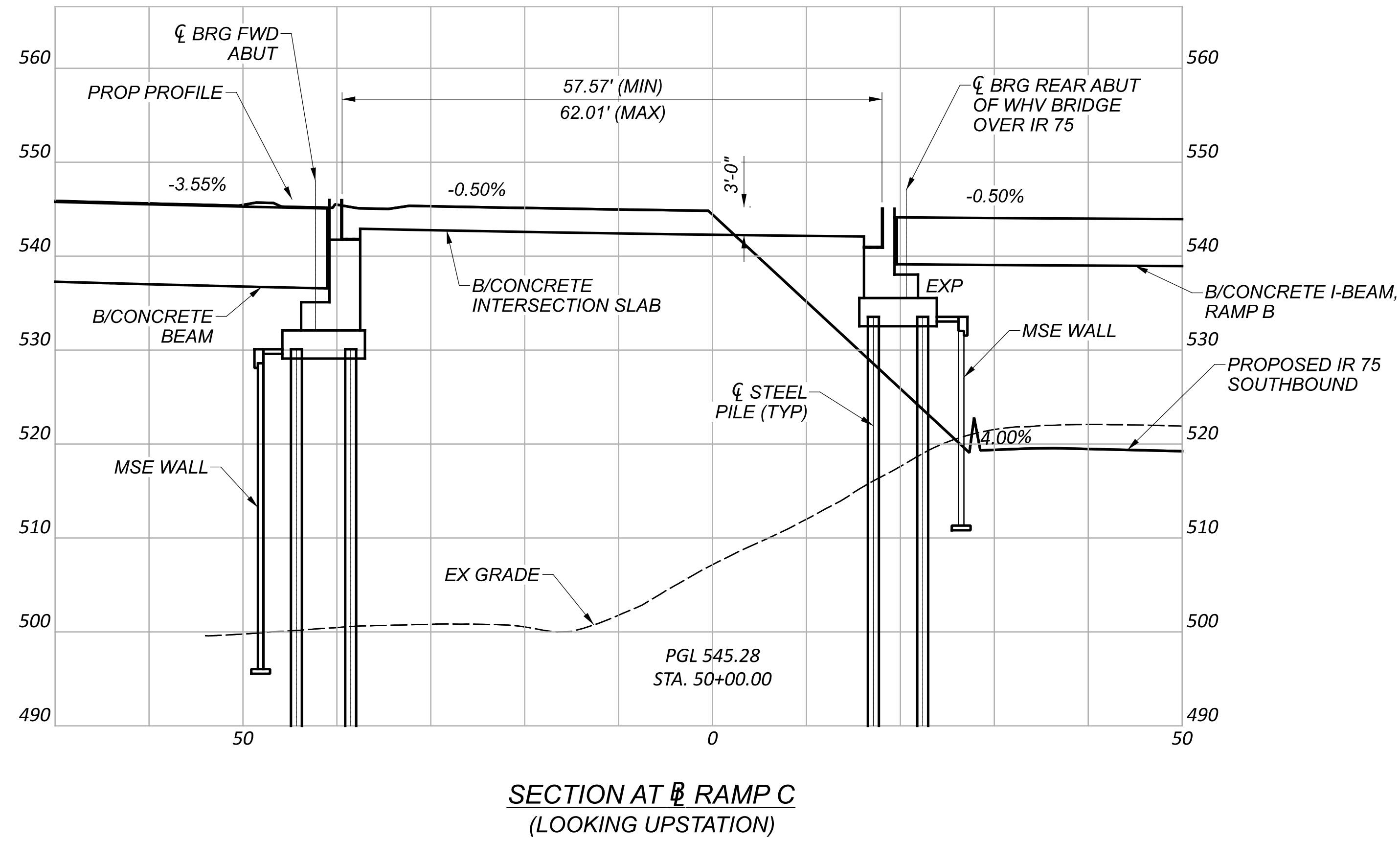
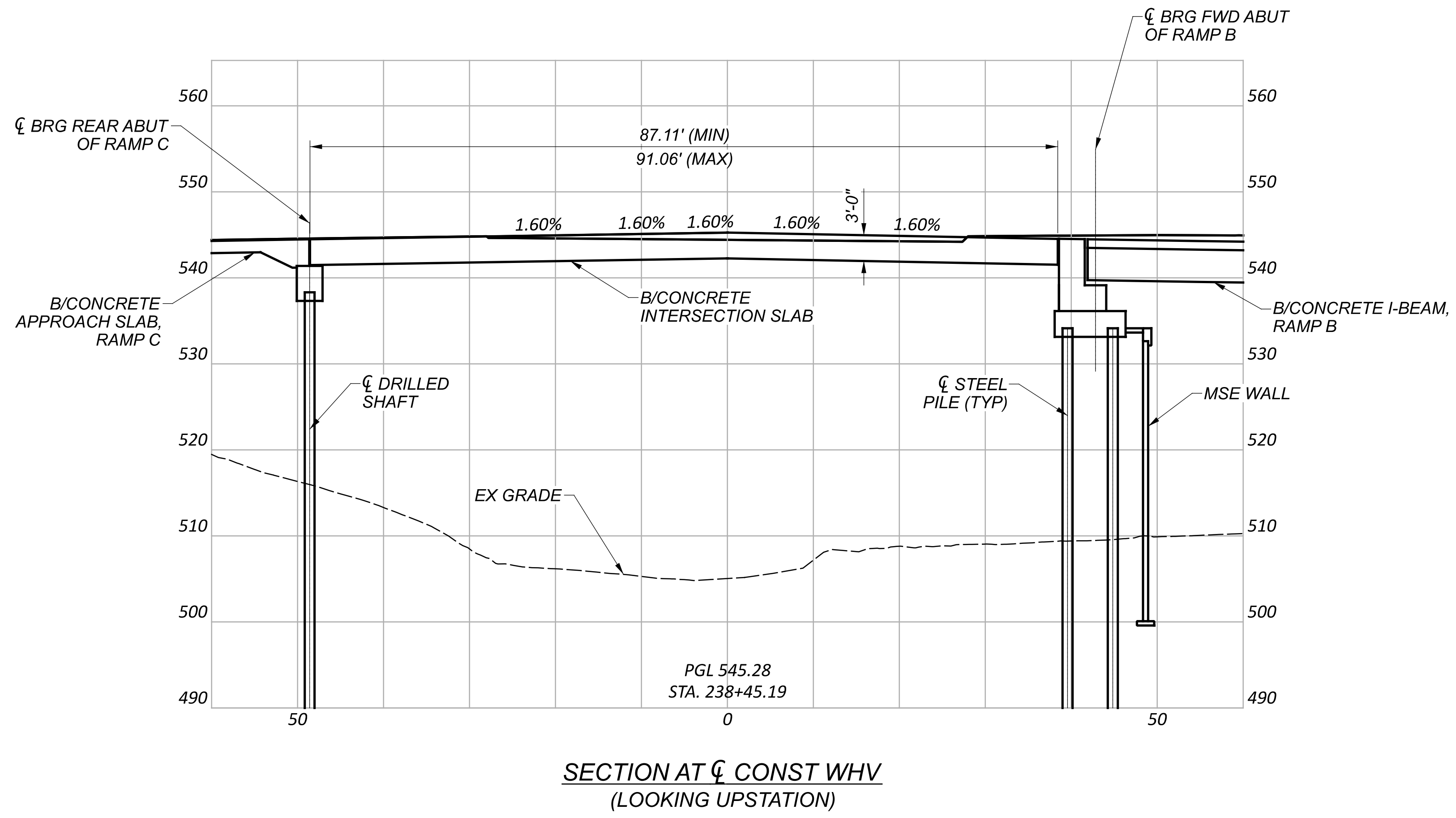
DESIGN TRAFFIC:
 2029 ADT = 9,094 2029 ADTT = 455
 2049 ADT = 9,180 2049 ADTT = 459
 DIRECTIONAL DISTRIBUTION = 100%

LEGEND
 ◉ BORING LOCATION



SITE PLAN
 BRIDGE NO. HAM-75-XXXX
 IR 75 SOUTHBOUND OFF RAMP (RAMP C) TO WHV

SFN	XXXXXXXX
DESIGN AGENCY	GANNETT FLEMING 2500 Corporate Exchange Dr. Suite 230 Columbus, OH 43231
DESIGNER	SAT
CHECKER	MTO
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	6
TOTAL	7
SHEET	P.462
TOTAL	463



INTERSECTION SLAB DETAILS
BRIDGE NO. HAM-75-XXXX
IR 75 SOUTHBOUND OFF RAMP (RAMP C) TO WHV

SFN	XXXXXXXX
DESIGN AGENCY	GANNETT FLEMING
DESIGNER	SAT
CHECKER	MTO
REVIEWER	EFD 06/21/24
PROJECT ID	114161
SUBSET	7
TOTAL	7
SHEET	P.463
TOTAL	463