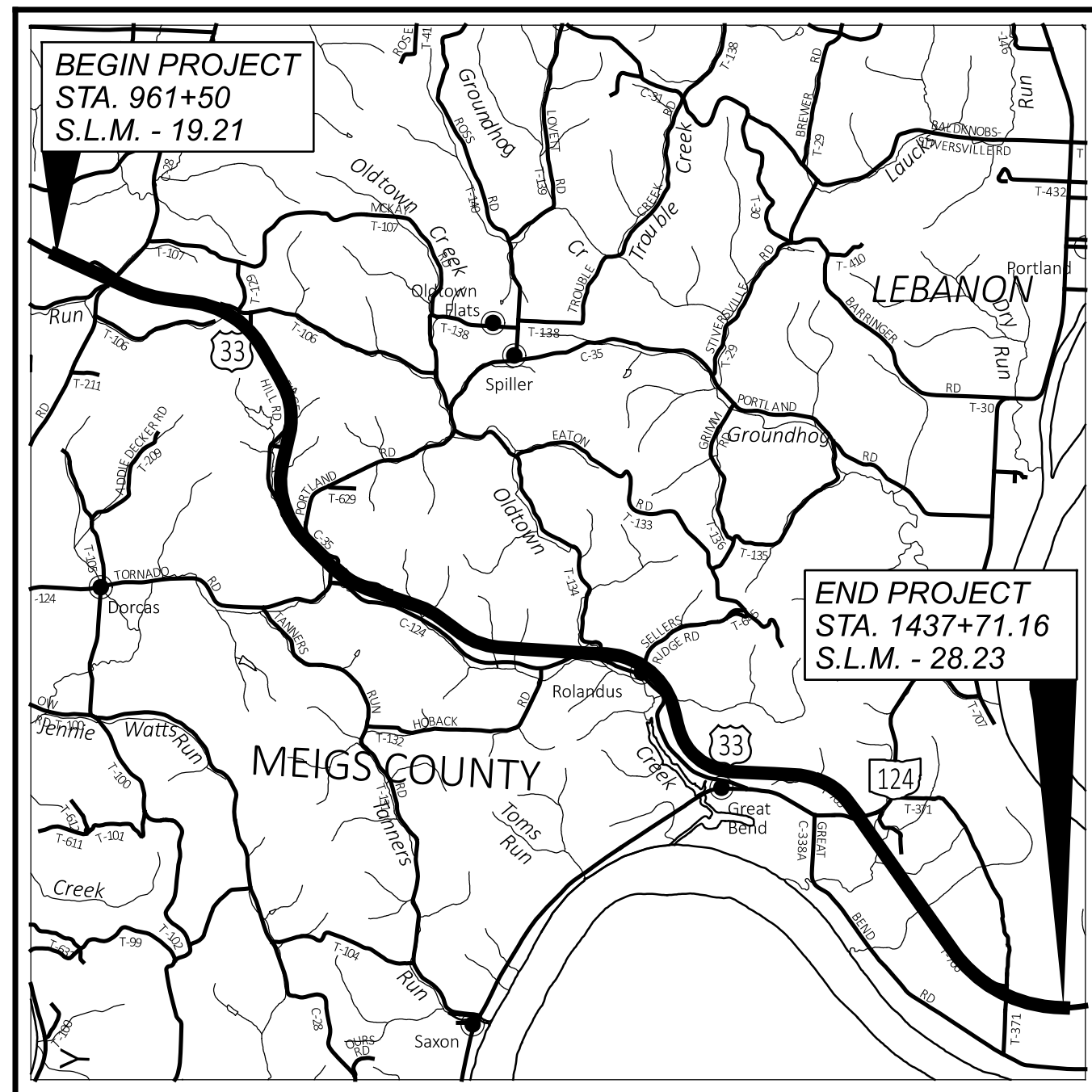


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

MEG-33-19.21

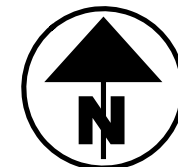
SUTTON & LEBANON TOWNSHIPS

MEIGS COUNTY



LOCATION MAP

LATITUDE: 38°57'56" LONGITUDE: 81°49'40"



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

FOR DESIGN DESIGNATIONS SEE SHEET 2

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:

1500 Lake Shore Drive, Suite 100
Columbus, Ohio 43204
(614) 486-4383

ENGINEER'S SEAL

FOR ROADWAY SHEETS P.1-P.15, P.19-P.21, P.21A, P.66-P.74, P.76-P.79, P.101-P.144, P.150-P.638, P.647-P.662, P.677-P.678, P.867

ENGINEER'S SEAL

FOR ROADWAY SHEETS P.16-P.18, P.75, P.80, P.145-P.149, P.639-P.646, P.663-P.676, P.771-P.794

INDEX OF SHEETS:

TITLE SHEET	P.1	SUPERELEVATION TABLES	P.647-P.662
SCHEMATIC PLAN	P.2-P.11	INTERSECTION DETAILS	P.663-P.676
TYPICAL SECTIONS	P.12-P.18	PAVEMENT DETAILS	P.677-P.678
GENERAL NOTES	P.19-P.21, P.21A	DRAINAGE DETAILS	
MAINTENANCE OF TRAFFIC	P.22-P.65	SUBSUMMARY	P.679-P.684
GENERAL SUMMARY	P.66-P.71	DRAINAGE PLAN	P.685-P.704
SUBSUMMARIES	P.72-P.75	STORM SEWER PROFILES	P.705-P.722
PAVEMENT CALCULATIONS	P.76-P.80	UNDERDRAIN TABLE	P.723-P.730
PROJECT SITE PLAN	P.81-P.100	TRAFFIC CONTROL PLAN	P.731-P.770
PLAN AND PROFILE		LIGHTING	P.771-P.794
U.S. 33	P.101-P.144	STRUCTURES (OVER 20 FOOT SPAN)	
C.R. 28A	P.145	MEG-00033-19.462	P.795-P.818
C.R. 35	P.146	MEG-00033-23.994	P.819-P.842
S.R. 124	P.147	MEG-00033-24.307	P.843-P.866
NU-BEGINNING	P.148	FENCE PLAN	P.867
T.R. 371	P.149	GEOTECHNICAL PROFILE	P.868-P.940
CROSS SECTIONS		NOT USED	P.71, P.770
U.S. 33	P.150-P.638		
C.R. 28A	P.639		
C.R. 35	P.640		
S.R. 124	P.641-P.644		
NU-BEGINNING	P.645		
T.R. 371	P.646		

FEDERAL PROJECT NUMBER

E230(503)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF CONVERTING 9.02 MILES OF US 33 FROM A SUPER TWO-LANE SECTION TO A FOUR LANE DIVIDED HIGHWAY. THE PROJECT ALSO INCLUDES IMPROVEMENTS TO FIVE INTERSECTIONS ALONG US 33 AT BASHAN ROAD (CR 28), ELIGE HILL ROAD (TR 129), CR 35, SR 124 AND SANDY DESERT ROAD (TR 371). A TOTAL OF THREE STRUCTURES WILL BE BUILT AS PART OF THIS PROJECT. WORK WILL ALSO INCLUDE NEW DRAINAGE STRUCTURES, TRAFFIC CONTROL AND LIGHTING.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	201.0 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	138.0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	339.0 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, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT FOR THE SIDE ROADS AS DESCRIBED ON SHEETS P.22-P.24 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Rich Oster
District 10 Deputy Director

Pamela Boratyn
Director, Department of Transportation

ENGINEER'S SEAL FOR MOT & TRAFFIC CONTROL SHEETS P.22-P.65, P.731-P.770	ENGINEER'S SEAL FOR GEOTECHNICAL SHEETS P.868-P.940	
ENGINEER'S SEAL FOR DRAINAGE SHEETS P.81-P.100, P.679-P.730	ENGINEER'S SEAL FOR STRUCTURE OVER 20' SPAN SHEETS P.795-P.818, P.843-P.866	ENGINEER'S SEAL FOR STRUCTURE OVER 20' SPAN SHEETS P.819-P.842

DESIGN AGENCY

1500 LAKE SHORE DRIVE, SUITE 100
COLUMBUS, OH 43204
614.486.4383

DESIGNER
SLP

REVIEWER
ALB 11/22/24

PROJECT ID
119144

SHEET TOTAL
P.1 940

MEG-33-19.21

MODEL: Sheet_SurvFI PAPER SIZE: 34x22 (in.) DATE: 2/26/2025 TIME: 3:33:11 PM USER: slparker
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TITLE SHEET

SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.731	P.738	P.740								01/NHS/03	02/NHS/04						
TRAFFIC CONTROL (CONT.)																	
	2,471									2,471		630	80200	2,471	SF	SIGN, GROUND MOUNTED EXTRUSHEET	
	12									12		630	82000	12	EACH	SIGN BACKING ASSEMBLY	
	94									94		630	84500	94	EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	
6	183									189		630	84900	189	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
	1									1		630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
6	164									170		630	86002	170	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
	2									2		630	86102	2	EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM SUPPORT AND DISPOSAL	
		0.59								0.29	0.3	644	00300	0.59	MILE	CENTER LINE	
		170								170		644	00500	170	FT	STOP LINE	
		731								731		644	00700	731	FT	TRANSVERSE/DIAGONAL LINE	
		950								950		644	00720	950	FT	CHEVRON MARKING	
		1,358								1,358		644	00900	1,358	SF	ISLAND MARKING	
		30								30		644	01300	30	EACH	LANE ARROW	
		2								2		644	01350	2	EACH	LANE REDUCTION ARROW	
		275								275		644	01510	275	FT	DOTTED LINE, 6"	
		60								60		644	20800	60	FT	YIELD LINE	
		0.56								0.28	0.28	645	00118	0.56	MILE	EDGE LINE, 6", TYPE A4	
		0.28								0.14	0.14	645	00220	0.28	MILE	LANE LINE, 6", TYPE A4	
		35.21								17.58	17.63	807	14010	35.21	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6" (NO PERFORMANCE TESTING)	
		17.04								8.58	8.46	807	14110	17.04	MILE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE, 6" (NO PERFORMANCE TESTING)	
		8,009								8,009		807	14310	8,009	FT	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12" (NO PERFORMANCE TESTING)	
		52.14								26.09	26.05	850	10010	52.14	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	
		8,009								8,009		850	10130	8,009	FT	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	
		0.84								0.42	0.42	850	20010	0.84	MILE	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE)	
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-19.462, SFN 5300000) SEE SHEET P.797																	
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-19.460, SFN 5301505) SEE SHEET P.797																	
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-23.994, SFN 5300002) SEE SHEET P.821																	
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-24.010, SFN 5301661) SEE SHEET P.821																	
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-24.307, SFN 5300004) SEE SHEET P.845																	
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-24.310, SFN 5301696) SEE SHEET P.845																	

GENERAL SUMMARY

DESIGN AGENCY

Stantec
 1500 LAKE SHORE DRIVE.
 SUITE 100
 COLUMBUS, OH 43204
 (614) 486-4383
 DESIGNER
 SLP
 REVIEWER
 ALB 11/22/24
 PROJECT ID
 119144
 SHEET TOTAL
 P.69 | 940

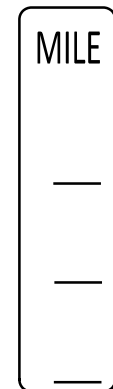
REFERENCE LOCATION SIGNS, OBJECT/BRIDGE-END MARKERS

THE TRAFFIC CONTROL PLAN SHEETS PREDOMINANTLY EXCLUDE SEGMENTS OF US-33 SITUATED BETWEEN INTERSECTIONS. THE CONTRACTOR SHALL REMOVE THE EXISTING AND INSTALL THE PROPOSED REFERENCE LOCATION SIGNS, OBJECT MARKERS, AND BRIDGE-END MARKERS WITHIN THESE SEGMENTS. FOR THE LOCATION AND QUANTITIES OF THE OBJECT MARKERS AND BRIDGE-END MARKERS, THE CONTRACTOR SHALL CONSULT THE STATIONS AND QUANTITIES INDICATED ON THE SIGN ESTIMATED QUANTITY SHEETS (732-738).

THE LOCATION OF REFERENCE LOCATION SIGNS ON THE PLANS ARE APPROXIMATE AND A MORE PRECISE LOCATION WILL BE PROVIDED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 30 DAYS IN ADVANCE OF THE PLANNED DATE OF REFERENCE LOCATION SIGN INSTALLATION. THE ENGINEER WILL CONTACT THE OFFICE OF TECHNICAL SERVICES WHICH WILL LOCATE THE LONGITUDINAL POSITION OF REFERENCE LOCATION SIGNS BY MEANS OF A PAINT MARK ON THE PAVEMENT EDGE. ALTERNATE MARKS WILL NOT BE PROVIDED ON DIVIDED HIGHWAYS AND THE CONTRACTOR SHALL SET REFERENCE LOCATION SIGNS FOR THE OPPOSITE ROADWAY ACROSS FROM THE PROVIDED MARK. DELINEATORS WHOSE NORMAL POSITION FALLS WITHIN 50 FEET OF A REFERENCE LOCATION SIGN SHALL BE OMITTED.

THE FOLLOWING TABLES PROVIDE THE REFERENCE NUMBER THAT NEEDS TO BE ADDED ON THE PROPOSED SIGNS FOR THE REFERENCE LOCATION SIGNS, BRIDGE-END MARKERS AND MAINTENANCE MARKERS. THESE SIGNS HAVE BEEN IDENTIFIED ON THE SUB SUMMARY SHEETS AND ARE EITHER BEING REMOVED OR REPLACED. PAYMENT FOR THESE ITEMS HAS BEEN INCLUDED WITH THE PERTINENT ITEMS SHOWN IN THE SIGNING SUB SUMMARY SHEETS.

LEGEND FOR REFERENCE LOCATION SIGNS (D10-3-12):



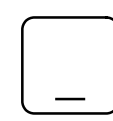
SIGN REF. NO.	MILE REF. NO.
S-42, S-43, S-44	228
S-131, S-132, S-133	231
S-152, S-156, S-159	232
S-167, S-168, S-169	233

D10-3-12

ANY EXISTING REFERENCE LOCATION SIGNS WITHIN THE PROJECT LIMITS THAT ARE NOT SHOWN ON THE PLANS SHALL BE REMOVED. PROPOSED SIGNS SHALL BE ADDED AS DIRECTED BY THE ENGINEER. THE FOLLOWING ITEMS HAVE BEEN INCLUDED HERE FOR THE PURPOSE OF REMOVING AND REPLACING ANY SIGNS THAT ARE NOT LISTED ON THE PLANS AND ARE CARRIED TO THE GENERAL SUMMARY.

ITEM 630 - SIGN, FLAT SHEET	24 SF
ITEM 630 - GROUND MOUNTED SUPPORT, NO. 2 POST	64 FT
ITEM 630 - REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	6 EA
ITEM 630 - REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	6 EA

LEGEND FOR MAINTENANCE MARKER SIGNS (D10-H8-12):



D10-H8-12

SIGN REF. NO.	MAINTENANCE MARKER NO.
S-39, S-40, S-41	20
S-300, S-301	21
S-302, S-303	22
S-128, S-129, S-130	23
S-134, S-141, S-142	24
S-164, S-165, S-166	25
S-288	26
S-236, S-237, S-238	27
S-304, S-305	28

REFERENCE LOCATION SIGNS, OBJECT/BRIDGE-END MARKERS (CONTINUED)

LEGEND FOR REFERENCE OBJECT MARKERS (OM-3 L/R-12):
 OBJECT MARKERS SHALL BE ADDED AT THE BRIDGES ON U.S. 33. PLACEMENT SHALL BE PER SECTION 2C OF THE OMUTCD. THE QUANTITIES FOR PLACING THE OBJECT MARKERS HAVE BEEN ADDED TO THE SUB SUMMARY SHEETS AND CARRIED TO THE GENERAL SUMMARY.



OM-3L-12



OM-3R-12

SIGN REF. NO.	SIGN
S-135, S-136, S-138	OM-3L-12
S-147, S-148, S-149	
S-151, S-161, S-307	
S-309	OM-3R-12
S-137, S-140, S-143	
S-146, S-150, S-153	
S-155, S-160, S-306	
S-308	

LEGEND FOR BRIDGE REFERENCE MARKERS (I-H25b-12):

ONE SIGN SHALL BE INSTALLED PER BRIDGE. SIGN SHALL BE PLACED ON THE RIGHT REAR SIDE IN THE APPROACH DIRECTION AND SHALL BE LOCATED BEHIND GUARDRAIL IF APPLICABLE.



I-H25b-12

SIGN REF. NO.	**	***
S-310	19.46	5301505
S-311	19.46 #	5300000
S-139	24.01 #	5300002
S-144, S-145	24.01	5301661
S-157, S-158	24.31	5301696
S-154	24.31 #	5300004
S-162, S-163	24.59	5301726
S-312	26.35	5301734
S-230, S-231	26.58	5301823
S-233, S-234	26.89	5301769

- NEW BRIDGE

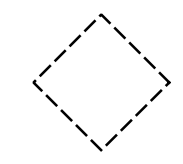
PLACEMENT OF SIGNS SHOWN ON SIGN ELEVATION SHEETS

THE ELEVATIONS SHOWN IN THE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. THE EXACT LOCATIONS OF SIGNS ARE TO BE STAKED. THE ENGINEER WILL REVIEW THE STAKED LOCATIONS PRIOR TO SIGN POST FABRICATION TO ENSURE CLEARANCES OF DRIVES, ROADWAYS, AND OTHER OBSTACLES. IF THERE ARE ANY CONFLICTS, THE LOCATION WILL BE ADJUSTED AS DIRECTED BY THE ENGINEER. UPON THE ACCEPTANCE OF THE LOCATIONS BY THE ENGINEER AND PRIOR TO POST FABRICATION, THE CONTRACTOR WILL VERIFY THE REQUIRED LENGTH OF THE SIGN POSTS. PAYMENT FOR THIS IS INCIDENTAL TO ALL 630 ITEMS.

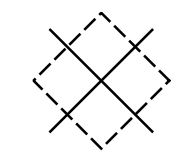
ITEM 630 - GROUND, MOUNTED SUPPORT, NO. 4 POST, AS PER PLAN

ALL ITEMS DESIGNATED AS GROUND MOUNTED SUPPORT, NO. 4 POST, AS PER PLAN SHALL BE SQUARE TUBULAR STEEL AS PER ODOT SCD TC-41.20 ("TYPE S"). IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LENGTH OF THE SUPPORT NEEDED TO INSTALL THE SIGN AS PER ODOT CMS 630.06 AND ALL APPLICABLE STANDARDS.

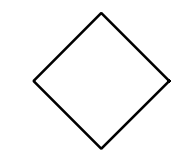
LEGEND



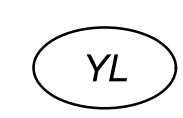
EXISTING SIGN TO REMAIN / REPLACED (SEE NOTES ON PLAN)



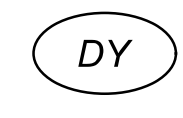
EXISTING SIGN TO BE REMOVED



PROPOSED SIGN



YL YIELD LINE



DY DELINEATOR POST, YELLOW



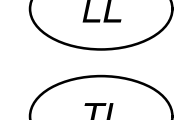
ELW EDGE LINE, WHITE



ELY EDGE LINE, YELLOW



CHL CHANNELIZING LINE



LL LANE LINE



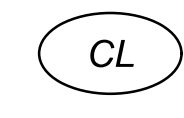
TL TRANSVERSE DIAGONAL



DL DOTTED LINE



IM ISLAND MARKING



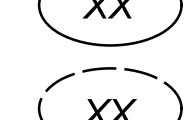
CL CENTER LINE, DOUBLE YELLOW



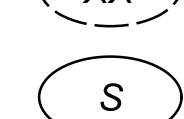
SL STOP LINE



LA LANE ARROW



XX PAVEMENT MARKING, QUANTIFIED



XX PAVEMENT MARKING, PREVIOUSLY QUANTIFIED



S SIGN, PROPOSED

ALL PAVEMENT MARKINGS ARE ITEM 807 WET REFLECTIVE THERMOPLASTIC UNLESS OTHERWISE NOTED.



MEG-33-19.21

MODEL: Sheet_SurvFl_PAPER SIZE: 34x22 (in.) DATE: 2/25/2025 TIME: 10:25:44 AM USER: aakuraju
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SHEET NO.	REFERENCE NO.	DIRECTION	STATION (US 33)	SIDE (US 33)	CODE	SIZE (INCHES)	630																				
							SIGN, FLAT SHEET	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	GROUND MOUNTED SUPPORT, NO. 4 POST, AS PER PLAN	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND REECTION	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM AND DISPOSAL	SIGN, GROUND MOUNTED EXTRUSHEET	SIGN POST REFLECTOR	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X22	BREAKAWAY STRUCTURAL BEAM CONNECTION	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	SIGN BACKING ASSEMBLY			
							SQ FT	FT	FT	FT	EACH	EACH	EACH	EACH	SQ FT	EACH	FT	FT	FT	FT	FT	EACH	EACH	EACH			
P.731	S-156	US-33 EB		RT							2		1														
P.731	S-157	US-33 EB		RT							1		1														
P.731	S-158	US-33 EB	1230+58	RT	I-H25b-12	12X12	1.0	13.0																			
P.731	S-159	US-33 EB	1230+36	RT	D10-3-12	12X48	4.0	14.0																			
P.731	S-160	US-33 EB	1230+58	RT	OM-3R-12	12X36	3.0	12.0																			
P.731	S-161	US-33 WB		RT							1		1														
P.731	S-162	US-33 EB		RT							1		1														
P.731	S-163	US-33 EB	1243+83	RT	I-H25b-12	12X12	1.0	11.0																			
P.731	S-164	US-33 WB	1268+34	LT	D10-H8-12	12X12	1.0	11.0																			
P.731	S-165	US-33 EB		RT							1		1														
P.731	S-166	US-33 EB	1268+34	RT	D10-H8-12	12X12	1.0	11.0																			
P.731	S-167	US-33 WB	1282+83	LT	D10-3-12	12X48	4.0	14.0																			
P.731	S-168	US-33 EB		RT							2		1														
P.731	S-169	US-33 EB	1282+83	RT	D10-3-12	12X48	4.0	14.0																			
P.745	S-170	US-33 EB	1304+05	RT	M2-H2a-96	96X96								64.0				45.9									
P.746	S-171	US-33 WB	1322+40	RT	R1-2-48	48X48	6.9		31.0							2							2				
		US-33 EB	1322+40	RT	R5-1-36	36X36	9.0									2											
P.746	S-172	US-33 WB	1321+22	LT	R2-1-36	36X48	12.0		32.0																		
P.746	S-173	US-33 WB	1324+55	LT	M3-2-36	36X18	4.5											18.3				1		1			
					M1-4-2-36	36X36	9.0																				
					M6-MOD-30	30X21	4.4																				
P.746	S-174	US-33 WB	1324+55	LT	M3-4-36	36X18	4.5											19.3				1		1			
					M1-4-2-36	36X36	9.0																				
					M6-3-30	30X21	4.4																				
P.746	S-175	US-33 WB		RT							1		2														
P.746	S-177	US-33 WB	1326+00	CL		144x120								120.0							50.6	2		2			
P.746	S-186	US-33 EB		RT							2		1														
P.746	S-187	US-33 WB	1320+49	RT	R5-1a-36	36X24	6.0											17.8				1		1			
		US-33 EB			M3-2-36	36X18	4.5																				
		US-33 EB			M1-5-3-36	36X30	7.5																				
		US-33 EB			M6-3-30	30X21	4.4																				
P.746	S-188	US-33 WB	1320+49	RT	R5-1a-36	36X24	6.0											17.8				1		1			
		US-33 EB			M3-4-36	36X18	4.5																				
		US-33 EB			M1-5-3-36	36X30	7.5																				
		US-33 EB			M5-1R-30	30X21	4.4																				
P.746	S-189	US-33 EB		RT							3		2														
P.746	S-191	US-33 WB	1322+40	RT	R5-1-36	36X36	9.0		29.0																		
		US-33 EB	1322+40	RT	R3-H8cb-48	48X30	10.0										2										
P.746	S-192	US-33 EB	1322+67	RT	R6-1L-54	54X18	6.8		26.0																		
P.746	S-290	US-33 WB	1322+00	RT	R1-5-36	36X36	9.0		29.0																		
		US-33 EB			R3-2-36	36X36	9.0																				
P.746	S-292	US-33 EB	1322+40	RT	R5-1-36	36X36	9.0		15.0																		
P.746	S-293	US-33 WB	1323+22	RT	R3-H4b-36	36X36	9.0		15.0																		
P.747	S-190	SR 124 EB	1330+85	LT	D3-H6b-48	48X12	4.0		25.0																		
P.747	S-178	US-33 WB	1326+57	LT	R3-H8ca-MOD-48	48X30	10.0		30.0																		
P.747	S-179	US-33 WB	1326+57	LT	R3-H8ca-MOD-48	48X30	10.0		30.0																		
P.747	S-180	US-33 WB		RT																							
P.747	S-181	US-33 WB		CL							2		1														
P.747	S-182	SR 124 WB		LT							1		2														
P.747	S-182	SR 124 WB		LT							1		1														
P.747	S-183	NU-BEGINNING		LT							1		1														
P.747	S-184	SR 124 WB	1330+40	LT	R1-1-36	36X36	9.0		14.0																		
					R6-1R-36	36X12	3.0																				
P.747	S-185	NU-BEGINNING		LT																							
P.747	S-193	US-33 EB	1327+35	RT	M3-2-36	36X18	4.5				2		2														
		US-33 EB			M1-5-3-36	36X30	7.5											18.5									
		US-33 EB			M6-MOD-30	30X21	4.4																				
		US-33 WB			R5-1a-36	36X24	6.0																				
TOTALS CARRIED TO SHEET 738							247.7	100.0	262.0	14.0	21	0	18	0	184.0	12	91.7	0.0	45.9	0.0	50.6	9	9	0			

TRAFFIC CONTROL SUB-SUMMARY


DESIGN AGENCY	
	
COMPASS INFRASTRUCTURE GROUP	
DESIGNER	MVK
REVIEWER	JJG 11/08/24
PROJECT ID	119144
SHEET TOTAL	P.735 940

MEG-33-19.21

MODEL: Sheet_SurvFl_PAPER SIZE: 34x22 (in.) DATE: 2/25/2025 TIME: 10:25:52 AM USER: aakuraju
p:\hohodo-pw-bentley.com\hohodo-pw-02\Documents\01 Active Projects\District 10\Weigs\119144\405-Engineering_Compass\TrafficSheets\119144_TS005.dgn

SHEET NO.	REFERENCE NO.	DIRECTION	STATION (US 33)	SIDE (US 33)	CODE	SIZE (INCHES)	630																		
							SIGN, FLAT SHEET SQ FT	GROUND MOUNTED SUPPORT, NO. 2 POST FT	GROUND MOUNTED SUPPORT, NO. 3 POST FT	GROUND MOUNTED SUPPORT, NO. 4 POST, AS PER PLAN FT	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED SIGN AND REECTION EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL EACH	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM AND DISPOSAL EACH	SIGN, GROUND MOUNTED EXTRUSHEET SQ FT	SIGN POST REFLECTOR EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7 FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9 FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12 FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18 FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X22 FT	BREAKAWAY STRUCTURAL BEAM CONNECTION EACH	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION EACH	SIGN BACKING ASSEMBLY EACH	
P.747	S-194	US-33 EB	1327+35	RT	M3-4-36	36X18	4.5									17.8							1	1	
		US-33 EB			M1-5-3-36	36x30	7.5																		
		US-33 EB			M5-1R-30	30X21	4.4																		
		US-33 WB			R5-1a-36	36X24	6.0																		
P.747	S-195	SR 124 WB	1329+86	RT	EX.SIGN	24X24		13.0																	
					M6-3-21	21X15	2.2																		
P.747	S-196	US-33 WB	1329+46	RT	R5-1-36	36X36	9.0		15.0																
P.747	S-197	US-33 EB		RT																					
P.747	S-198	SR 124 WB		RT																					
P.747	S-199	SR 124 WB		RT																					
P.747	S-295	US-33 WB	1330+49	LT	M3-2-36	36X18	4.5																		
					M1-5-3-36	36X30	7.5																		
					M6-1R-30	30X21	4.4																		
P.747	S-200	NU-BEGINNING		LT																					
P.747	S-254	NU-BEGINNING	1330+32	LT	R1-1-36	36x36	9.0	13.0																	
P.747	S-201	SR 124 EB		LT																					
P.747	S-202	US-33 WB		LT																					
P.747	S-203	US-33 WB	1331+55	LT	R5-1-36	36X36	9.0		15.0																
P.747	S-204	US-33 WB	1334+14	LT	M3-2-36	36X18	4.5																		
		US-33 WB			M1-5-3-36	36x30	7.5																		
		US-33 WB			M5-1R-30	30X21	4.4																		
		US-33 EB			R5-1a-36	36X24	6.0																		
P.747	S-205	US-33 WB	1334+14	LT	M3-4-36	36X18	4.5																		
		US-33 WB			M1-5-3-36	36x30	7.5																		
		US-33 WB			M6-MOD-30	30X21	4.4																		
		US-33 EB			R5-1a-36	36X24	6.0																		
P.747	S-206	SR 124 EB	1331+11	LT		156X108																			
					R6-1R-36	36X12	3.0																		
P.747	S-207	US-33 WB		LT																					
P.747	S-208	US-33 WB	1338+33	LT	R5-1-36	36X36	9.0		15.0																
P.747	S-209	US-33 WB	1338+65	LT	R6-1L-54	54X18	6.8	28.0																	
P.747	S-210	US-33 WB	1338+96	LT	R5-1-36	36X36	9.0																		
		US-33 EB			R1-2-48	48X48	6.9		31.0																
P.747	S-211	US-33 WB	1339+55	LT	R3-H8cb-48	48X30	10.0		31.0																
		US-33 EB			R5-1-36	36X36	9.0																		
P.747	S-212	US-33 EB	1340+00	LT	R5-1-36	36X36	9.0		29.0																
		US-33 WB			R3-2-36	36X36	9.0																		
P.747	S-213	US-33 WB	1340+84	LT	M3-2-36	36X18	4.5																		
		US-33 WB			M1-5-3-36	36X30	7.5																		
		US-33 WB			M5-1R-30	30X21	4.4																		
		US-33 EB			R5-1a-36	36X24	6.0																		
P.747	S-214	US-33 WB	1340+84	LT	M3-4-36	36X18	4.5																		
		US-33 WB			M1-5-3-36	36X30	7.5																		
		US-33 WB			M6-3-30	30X21	4.4																		
		US-33 EB			R5-1a-36	36X24	6.0																		
P.747	S-215	SR 124 EB		RT																					
P.747	S-216	SR 124 EB	1330+53	RT	R6-1R-36	36X12	3.0		14.0																
					R1-1-36	36X36	9.0																		
P.747	S-217	US-33 EB		RT																					
P.747	S-218	SR 124 WB	1330+52	RT		156X108																			
					R6-1R-36	36X12	3.0																		
P.747	S-219	US-33 EB		RT																					
TOTALS CARRIED TO SHEET 738							244.3	54.0	136.0	14.0	26	1	17	0	234.0	13	107.3	0.0	0.0	95.4	0.0	9	10	2	

TRAFFIC CONTROL SUB-SUMMARY


DESIGN AGENCY

COMPASS
 INFRASTRUCTURE GROUP
 DESIGNER
 AA
 REVIEWER
 JJG 11/20/24
 PROJECT ID
 119144
 SHEET TOTAL
 P.736 940

MEG-33-19-21

MODEL: Sheet_SurvFl_PAPER SIZE: 34x22 (in.) DATE: 2/25/2025 10:26:05 AM USER: aakuraju
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SHEET NO.	REFERENCE NO.	DIRECTION	STATION (US 33)	SIDE (US 33)	CODE	SIZE (INCHES)	630																								
							SIGN, FLAT SHEET	GROUND MOUNTED SUPPORT, NO. 2 POST	GROUND MOUNTED SUPPORT, NO. 3 POST	GROUND MOUNTED SUPPORT, NO. 4 POST, AS PER PLAN	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	REMOVAL OF GROUND MOUNTED SIGN AND REECTION	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	REMOVAL OF GROUND MOUNTED STRUCTURAL BEAM AND DISPOSAL	SIGN, GROUND MOUNTED EXTRUSHEET	SIGN POST REFLECTOR	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, 54X7.7	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W8X18	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X22	BREAKAWAY STRUCTURAL BEAM CONNECTION	GROUND MOUNTED STRUCTURAL BEAM SUPPORT FOUNDATION	SIGN BACKING ASSEMBLY							
							SQ FT	FT	FT	FT	EACH	EACH	EACH	EACH	SQ FT	EACH	FT	FT	FT	FT	FT	EACH	EACH	EACH							
P.749	S-258	US-33 EB	1410+04	LT	R5-1-36	36X36	9.0		15.0							1															
P.749	S-259	US-33 EB	1410+78	RT	R5-1-36	36X36	9.0		15.0							1															
P.749	S-260	TR 371 NB		LT								1		2																	
P.749	S-261	US-33 WB		LT								1		2																	
P.749	S-262	US-33 EB	1413+35	LT	R5-1a-36	36X24	6.0		14.0							1															
P.749	S-263	US-33 EB	1413+35	LT	R5-1a-36	36X24	6.0		14.0							1															
P.749	S-264	US-33 WB		LT								1		2																	
P.749	S-265	US-33 WB	1416+32	LT	D3-H3-216 R3-H8cg-48	216X36 48X30	10.0								54.0			35.3				2	2		1						
P.749	S-266	TR 371 NB	1410+07	RT	R1-1-36 R6-3-30	36X36 30X24	9.0 5.0			15.0						1															
P.749	S-267	TR 371 NB		RT								1		1																	
P.749	S-268	US-33 EB	1410+15	RT	D3-H6b-96	96X24									16.0		27.6					2	2								
P.749	S-269	US-33 EB	1410+78	RT	R4-7b-36	36X48	12.0		32.0																						
P.749	S-270	US-33 EB		RT								1		2																	
P.749	S-271	US-33 EB		RT								2		1																	
P.749	S-272	US-33 EB	1413+03	RT	M3-2-36 M1-4-2-36	36X18 36X36	4.5 9.0			16.0																					
P.749	S-273	US-33 EB	1415+15	RT	W4-2L-48	48X48	16.0		32.0																						
P.749	S-274	US-33 EB	1415+15	RT	W4-2L-48	48X48	16.0		32.0																						
P.750	S-275	US-33 WB		RT								2		2																	
P.750	S-276	US-33 WB	1423+00	LT	W2-1-48	48X48	16.0		32.0																						
P.750	S-277	US-33 EB	1421+00	RT	W9-H4L-144	144X48									48.0			30.6				2	2								
P.750	S-278	US-33 EB	1421+00	RT	W9-H4L-144	144X48									48.0			30.5				2	2								
P.750	S-279	US-33 WB	1427+92	LT	W6-1-48	48X48	16.0		31.0																						
P.750	S-280	US-33 WB	1427+92	RT	W6-2-48	48X48	16.0		31.0																						
P.750	S-281	US-33 WB	1436+26	RT	D12-H15-48	48X30	10.0		29.0																						
P.750	S-282	US-33 WB		RT								1		2																	
P.750	S-283	US-33 WB	1436+26	RT	D12-H15-48	48X30	10.0		29.0																						
P.750	S-284	US-33 WB		RT								1		2																	
P.750	S-285	US-33 EB	1437+62	RT	W6-3-48	48X48	16.0		32.0																						
P.750	S-286	US-33 WB	1438+00	LT	D3-H4-216	216X60									90.0			36.3				2	2								
P.731	S-288	US-33 EB	1320+52	RT	D10-H8-12	12X12	1.0	11.0				1		1																	
P.731	S-300	US-33 EB	1057+86	RT	D10-H8-12	12X12	1.0	11.0				1		1																	
P.731	S-301	US-33 WB	1057+86	LT	D10-H8-12	12X12	1.0	11.0				1		1																	
P.731	S-302	US-33 EB	1109+82	RT	D10-H8-12	12X12	1.0	11.0				1		1																	
P.731	S-303	US-33 WB	1109+82	LT	D10-H8-12	12X12	1.0	11.0				1		1																	
P.731	S-304	US-33 EB	1426+23	RT	D10-H8-12	12X12	1.0	11.0				1		1																	
P.731	S-305	US-33 WB	1426+23	LT	D10-H8-12	12X12	1.0	11.0				1		1																	
P.731	S-306	US-33 EB	974+35	RT	OM-3R-12	12X36	3.0	13.0				2		2																	
P.731	S-307	US-33 EB	974+35	RT	OM-3L-12	12X36	3.0	13.0				2		2																	
P.731	S-308	US-33 WB	977+54	LT	OM-3R-12	12X36	3.0	13.0																							
P.731	S-309	US-33 WB	977+54	LT	OM-3L-12	12X36	3.0	13.0																							
P.731	S-310	US-33 EB	974+35	RT	I-H25b-12	12X12	1.0	11.0																							
P.731	S-311	US-33 WB	977+54	LT	I-H25b-12	12X12	1.0	11.0																							
P.731	S-312	US-33 EB	1342+16	RT	I-H25b-12	12X12	1.0	11.0				1		1																	
TOTALS THIS SHEET							217.5	162.0	338.0	31.0	20	0	25	0	256.0	5	27.6	61.1	71.6	0.0	0.0	10	10	1							
TOTALS FROM SHEET 732							220.8	50.0	291.0	47.0	33	0	23	0	389.0	8	0.0	32.6	209.6	49.1	0.0	8	14	3							
TOTALS FROM SHEET 733							243.5	0.0	319.0	79.5	31	0	31	2	476.0	11	97.1	0.0	153.9	44.0	47.9	8	18	3							
TOTALS FROM SHEET 734							152.0	220.0	142.0	30.5	32	0	30	0	321.0	2	31.5	0.0	78.0	50.0	49.5	6	10	2							
TOTALS FROM SHEET 735							247.7	100.0	262.0	14.0	21	0	18	0	184.0	12	91.7	0.0	45.9	0.0	50.6	9	9	0							
TOTALS FROM SHEET 736							244.3	54.0	136.0	14.0	26	1	17	0	234.0	13	107.3	0.0	0.0	95.4	0.0	9	10	2							
TOTALS FROM SHEET 737							201.7	44.0	242.0	32.0	20	0	20	0	611.0	6	86.3	124.0	174.8	0.0	50.6	21	23	1							
TOTALS CARRIED TO GENERAL SUMMARY							1527.5	630.0	1730.0	248.0	183	1	164	2	2471.0	57	441.5	217.7	733.8	238.5	198.6	71	94	12							

TRAFFIC CONTROL SUB-SUMMARY

DESIGN AGENCY

COMPASS
 INFRASTRUCTURE GROUP
 DESIGNER
 AA
 REVIEWER
 JYG 11/20/24
 PROJECT ID
 119144
 SHEET TOTAL
 P.738 940

REF. NO.	SHEET NO.	STATION		SIDE	620		621			644								645		807				850			
					DELINEATOR POST GROUND MOUNTED, YELLOW	RAISED PAVEMENT MARKER REMOVED	RPM YELLOW/YELLOW	RPM WHITE/RED	RPM ONE-WAY WHITE	CENTER LINE (DOUBLE SOLID)	STOP LINE	TRANSVERSE / DIAGONAL LINE	CHEVRON MARKING	LANE ARROW	LANE REDUCTION ARROW	DOTTED LINE, 6"	YIELD LINE	ISLAND MARKING	EDGE LINE, 6", TYPE A4	LANE LINE, 6", TYPE A4	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6"		WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12"	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE)
																					YELLOW	WHITE					
		FROM	TO		EACH	EACH	EACH	EACH	EACH	MILE	FT	FT	FT	FT	FT	SF	MILE	MILE	MILE	MILE	MILE	FT	MILE	FT	MILE		
CL-1	P. 741	967+03	967+03	WB		2	2			0.01																	
CL-3	P.744	1118+00	1118+00	EB						0.01																	
CL-4	P.744	1118+00	1118+00	WB		2				0.01																	
CL-5	P.747	1329+91	1330+45	EB		6	4		4	0.03																	
CL-6	P.747	1330+91	1331+40	WB		4	5			0.03																	
CL-7	P.749	1408+86	1409+10	WB						0.01																	
CL-8	P.749	1409+71	1409+75	EB						0.01																	
ELW-1	P.741-P.750	959+50	1437+71	EB													0.14			8.92				8.92	0.14		
ELW-2	P.741-P.750	961+50	1437+71	WB													0.14			8.88				8.88	0.14		
ELY-1	P.741-P.750	959+50	1424+50	EB													0.14		8.67				8.67	0.14	0.14		
ELY-2	P.741-P.750	961+50	1424+50	WB													0.14		8.63				8.63	0.14	0.14		
LL-1	P.741-P.750	959+50	1413+75	EB		599			569												8.46			8.46	0.14		
LL-2	P.741-P.750	961+50	1422+01	WB					577										0.14		8.58			8.58	0.14		
ELW-3	P.747	S.R. 124 (NORTH)		WB					10											0.07							
ELW-4	P.747	S.R. 124 (SOUTH)		EB					5											0.04							
SL-1	P.741	966+86	967+03	WB							17																
SL-2	P.742	1071+08	1071+22	EB							14																
SL-3	P.744	1117+84	1118+00	WB							16																
SL-4	P.744	1118+00	1118+17	EB							18																
SL-5	P.747	1330+45	1330+65	EB							21																
SL-6	P.747	1330+80	1330+92	WB							13																
SL-9	P.747	1330+32	1330+32	WB							13																
SL-7	P.749	1408+79	1409+10	WB							31																
SL-8	P.749	1409+71	1409+98	EB							27																
CHL-1	P.741	960+95	966+42	EB					15													547		547			
CHL-15	P.741	964+00	966+42	EB					8													242		242			
CHL-2	P.742	1071+62	1077+12	WB					15													550		550			
CHL-16	P.742	1071+62	1074+05	WB					8													243		243			
CHL-3	P.743-P.744	1111+94	1117+38	EB					15													544		544			
CHL-17	P.743-P.744	1114+98	1117+38	EB					7													240		240			
CHL-4	P.744	1118+58	1124+09	WB					15													551		551			
CHL-18	P.744	1118+58	1121+01	WB					8													243		243			
CHL-5	P.746-747	1323+49	1330+60	EB					19													711		711			
CHL-6	P.746-747	1322+52	1328+66	WB					17													614		614			
CHL-7	P.747	1327+66	1330+37	EB					8													271		271			
CHL-8	P.747	1330+99	1333+70	WB					8													271		271			
CHL-9	P.747	1330+76	1338+88	WB					22													812		812			
CHL-10	P.747	1332+91	1338+84	EB					16													593		593			
CHL-11	P.748-749	1403+07	1408+51	EB					15													544		544			
CHL-19	P.749	1406+10	1408+51	EB					8													241		241			
CHL-12	P.749	1410+28	1415+78	WB					15													550		550			
CHL-20	P.749	1410+28	1412+70	WB					8													242		242			
TOTALS							11	1388	4											17.30	17.91						
TOTALS CARRIED TO SHEET 740						0	613	1403	0.11	170	0	0	0	0	0	0	0.00	0.56	0.28	35.21	17.04	8009	52.14	8009	0.84		

PAVEMENT MARKING SUB-SUMMARY

DESIGN AGENCY

COMPASS
 INFRASTRUCTURE GROUP
 DESIGNER
 AA
 REVIEWER
 JIG 11/18/24
 PROJECT ID
 119144
 SHEET TOTAL
 P.739 940


MEG-33-19.21

MODEL: Sheet_SurvFI_PAPER SIZE: 34x22 (in.) DATE: 2/25/2025 TIME: 10:26:18 AM USER: akuraju pvc:\ohiodo-pw-bentley.com\ohiodo-pw-02\Documents\01 Active Projects\District 10\Weigs\119144\405-Engineering_Compass\Traffic\Sheets\119144_TS012.dgn

REF. NO.	SHEET NO.	STATION		SIDE	620					644									645		807				850					
					DELINATOR POST GROUND MOUNTED, YELLOW	RAISED PAVEMENT MARKER REMOVED	RPM YELLOW/YELLOW	RPM WHITE/RED	RPM ONE-WAY WHITE	CENTER LINE (DOUBLE SOLID)	STOP LINE	TRANSVERSE / DIAGONAL LINE	CHEVRON MARKING	LANE ARROW	LANE REDUCTION ARROW	DOTTED LINE, 6"	YIELD LINE	ISLAND MARKING	EDGE LINE, 6", TYPE A4	LANE LINE, 6", TYPE A4	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, EDGE LINE, 6"		WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, LANE LINE	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING, CHANNELIZING LINE, 12"	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 12" RECESSED PAVEMENT MARKING, (ASPHALT)	GROOVING FOR 6" RECESSED PAVEMENT MARKING, (CONCRETE)			
		EACH	EACH		EACH	EACH	EACH	MILE	FT	FT	FT	EACH	EACH	FT	FT	SF	MILE	MILE	YELLOW MILE	WHITE MILE	MILE	FT	MILE	FT	MILE					
DL-1	P.747	1328+66	1330+42	WB																										
DL-2	P.747	1331+16	1332+91	EB																										
DL-3	P749-P750	1413+75	1430+00	EB																										
DL-4	P.750	1422+01	1430+00	WB																										
CL-9	P.750	1424+50	1436+80	WB			16			0.23																				
CL-10	P.750	1424+50	1437+71	EB			18			0.25																				
TL-1	P.741	964+00	966+54	EB																										
TL-2	P.742	1071+51	1074+05	WB																										
TL-3	P.743-744	1114+98	1117+51	EB																										
TL-4	P.744	1118+46	1121+01	WB																										
TL-5	P.746	1322+76	1323+01	CL							64																			
TL-6	P.747	1327+66	1330+60	EB																										
TL-7	P.747	1130+45	1330+84	WB																										
TL-8	P.747	1130+68	1333+70	WB							168																			
TL-9	P.747	1338+22	1338+59	CL																										
TL-10	P.749	1406+10	1408+63	EB																										
TL-11	P.749	1410+16	1412+70	WB																										
TL-12	P.750	1424+50	1436+77	EB/WB								423																		
YL-1	P.746	1322+48	1322+78	WB																										
YL-2	P.747	1338+59	1338+87	EB													30													
DY-1	P.747	1330+28	1331+28	CL	11																									
LA-1	P.741	960+81	966+04	EB																										
LA-2	P.742	1071+93	1077+35	WB																										
LA-3	P.743-744	1111+73	1117+02	EB																										
LA-4	P.744	1118+96	1124+32	WB																										
LA-5	P.746-P.747	1323+69	1329+04	EB																										
LA-6	P.746-P.747	1323+33	1329+57	WB																										
LA-7	P.747	1331+76	1337+93	EB																										
LA-8	P.747	1332+15	1337+51	WB																										
LA-9	P.748-P.749	1403+00	1408+15	EB																										
LA-10	P.749	1410+47	1415+74	WB																										
LRA-1	P.749-750	1415+00	1421+00	EB																										
IM-1	P.741	966+42	966+54	EB																										
IM-2	P.742	1071+50	1071+62	WB																										
IM-3	P.744	1117+38	1117+51	EB																										
IM-4	P.744	1118+46	1117+58	WB																										
IM-5	P.749	1408+51	1408+63	EB																										
IM-6	P.749	1410+16	1410+28	WB																										
SUBTOTALS THIS SHEET							34	0	0												0	0								
TOTALS THIS SHEET					11	0				0.48	0	731	950	30	2	2775	60	1357.2	0	0		0	0	0	0	0	0	0	0	0
TOTALS FROM SHEET 739					0	613				0.11	170	0	0	0	0	0	0	0.56	0.28		35.21	17.04	8009	52.14	8009	0.84				
TOTALS CARRIED TO GENERAL SUMMARY					11	613		1437		0.59	170	731	950	30	2	2775	60	1358	0.56	0.28		35.21	17.04	8009	52.14	8009	0.84			

PAVEMENT MARKING SUB-SUMMARY

DESIGN AGENCY



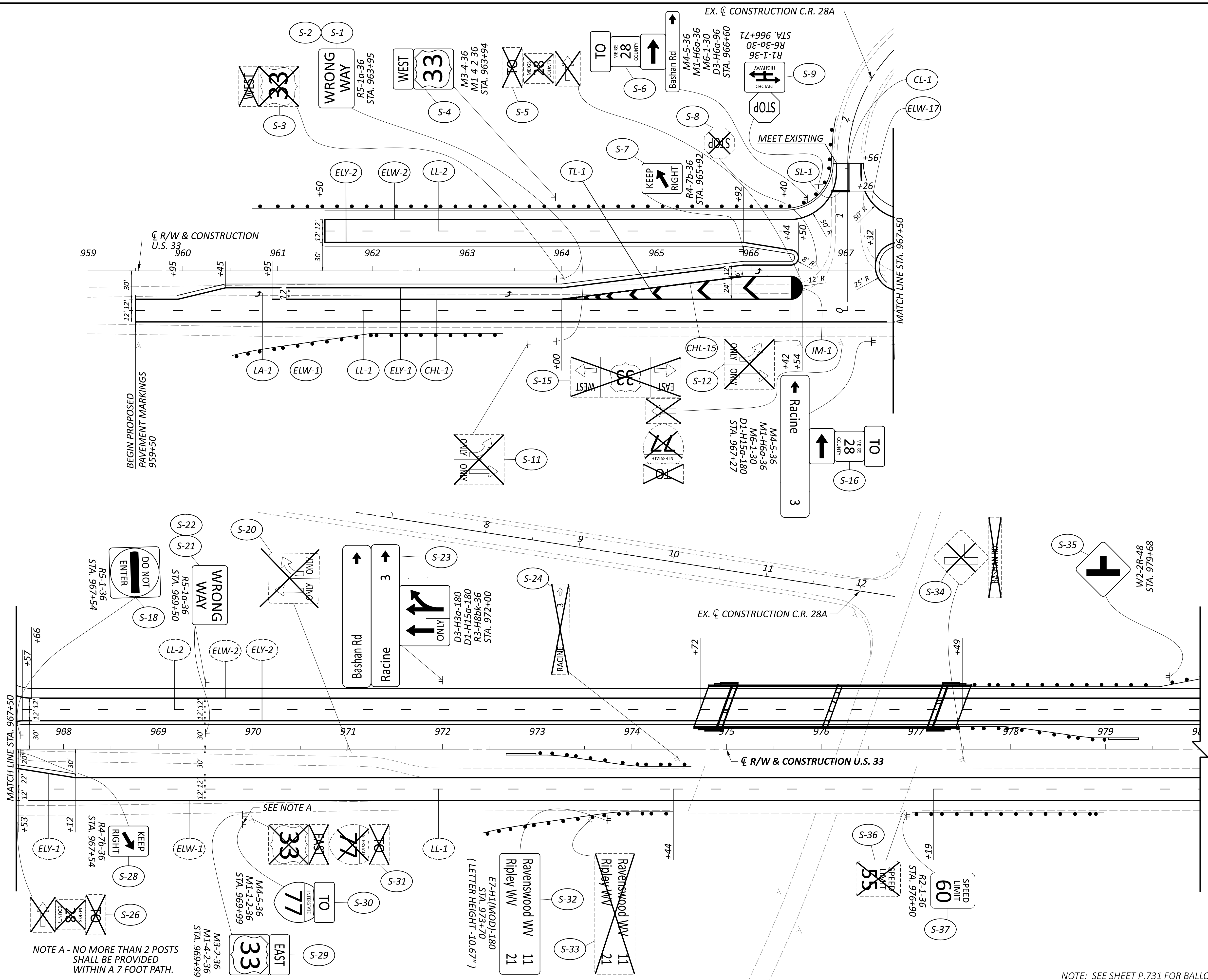
COMPASS
INFRASTRUCTURE GROUP

DESIGNER
AA

REVIEWER
JGG 11/18/24

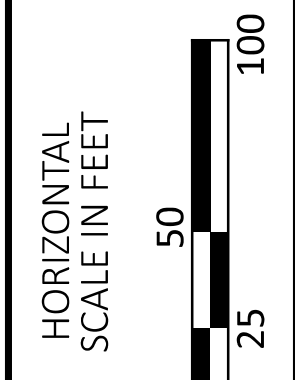
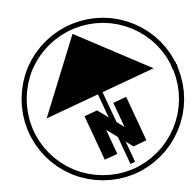
PROJECT ID
119144

SHEET TOTAL
P.740 940



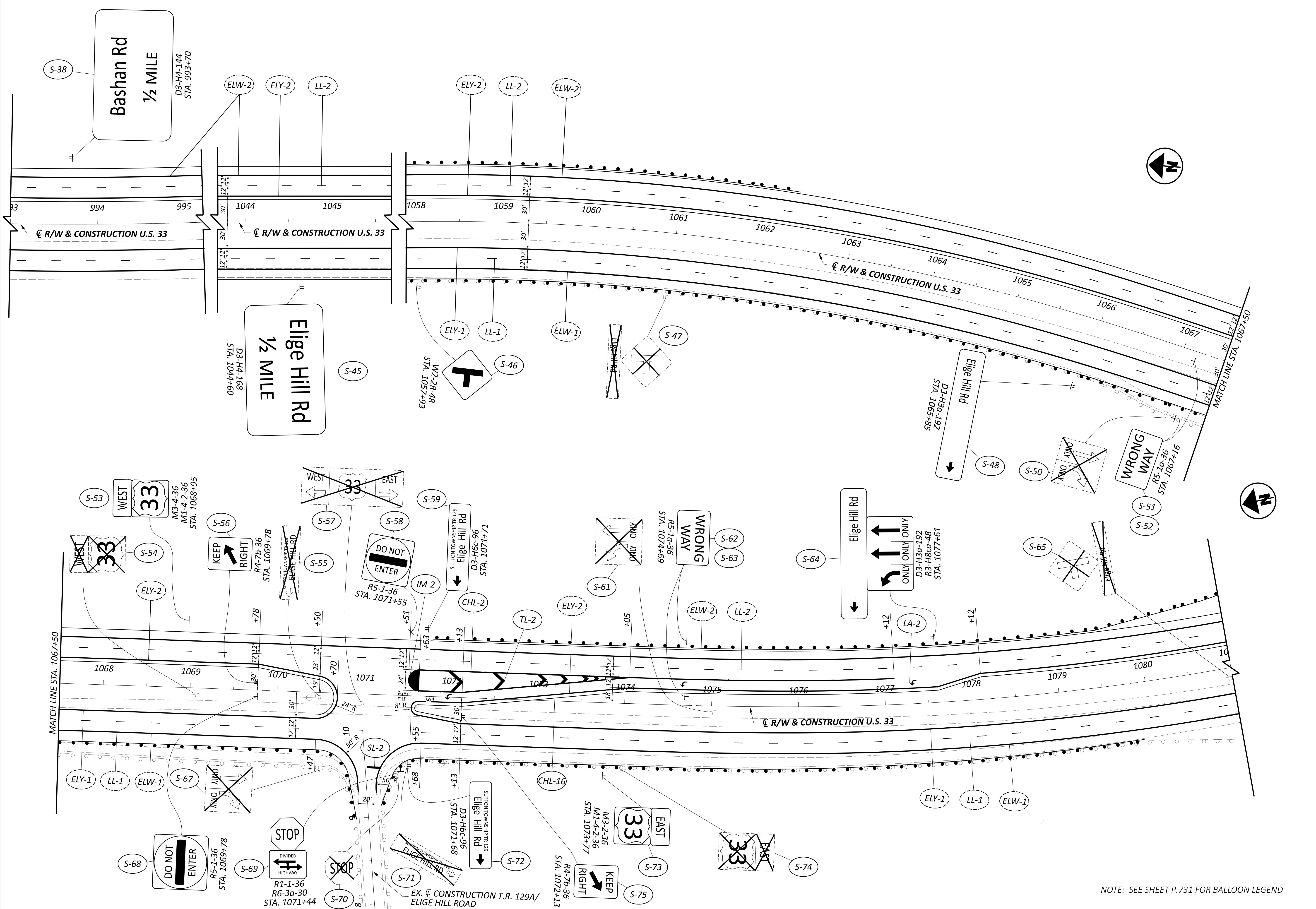
NOTE A - NO MORE THAN 2 POSTS SHALL BE PROVIDED WITHIN A 7 FOOT PATH.

NOTE: SEE SHEET P.731 FOR BALLOON LEGEND

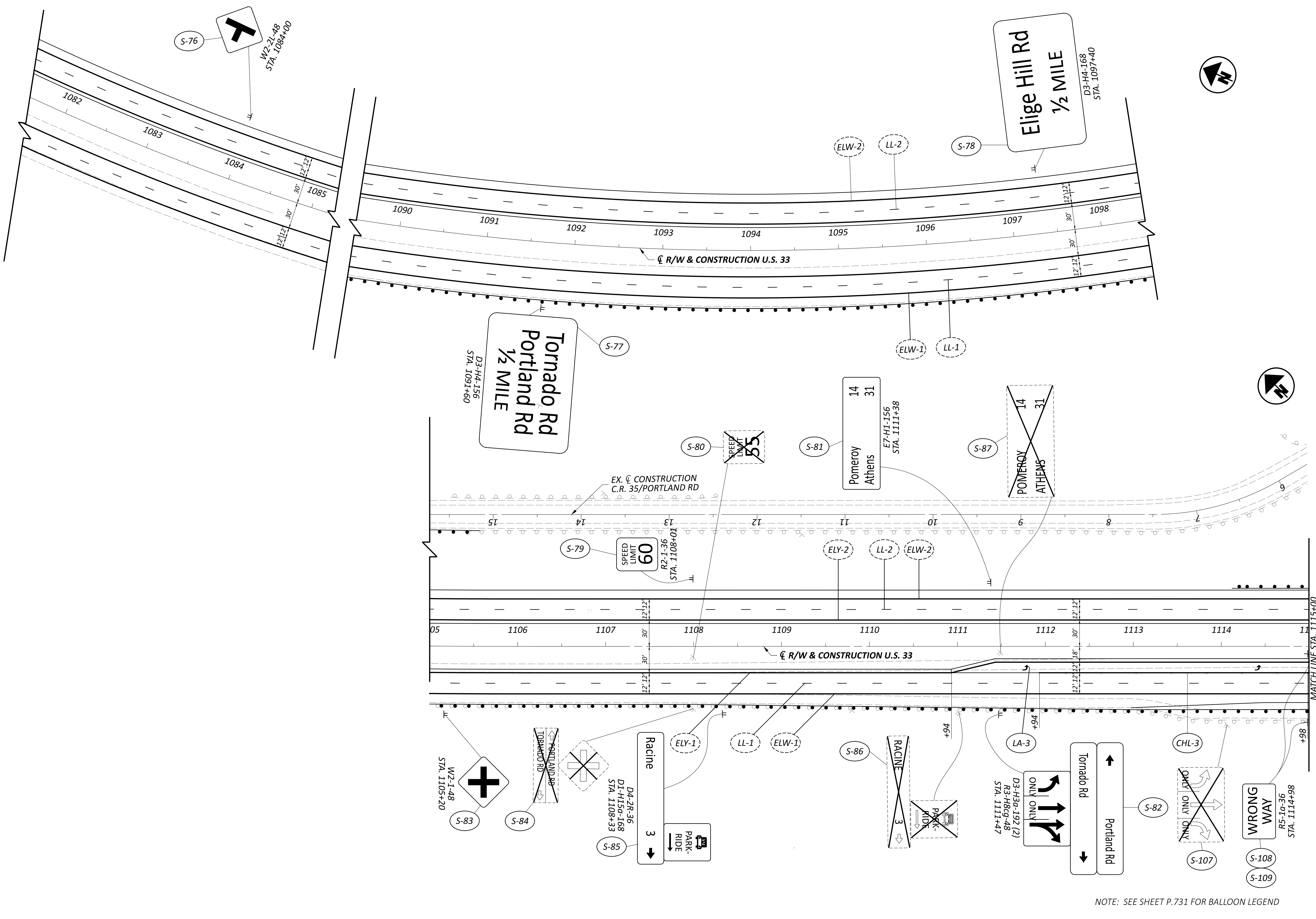


TRAFFIC CONTROL PLAN
 STA. 959+00 TO STA. 980+00

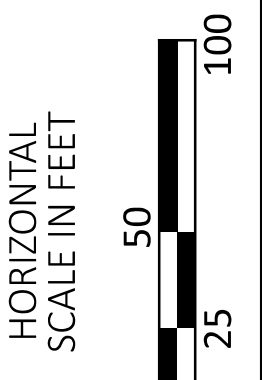
DESIGN AGENCY	
COMPASS INFRASTRUCTURE GROUP	
DESIGNER	
BSP	
REVIEWER	
JJG	11/08/24
PROJECT ID	
119144	
SHEET	TOTAL
P.741	940



NOTE: SEE SHEET P.731 FOR BALLOON LEGEND



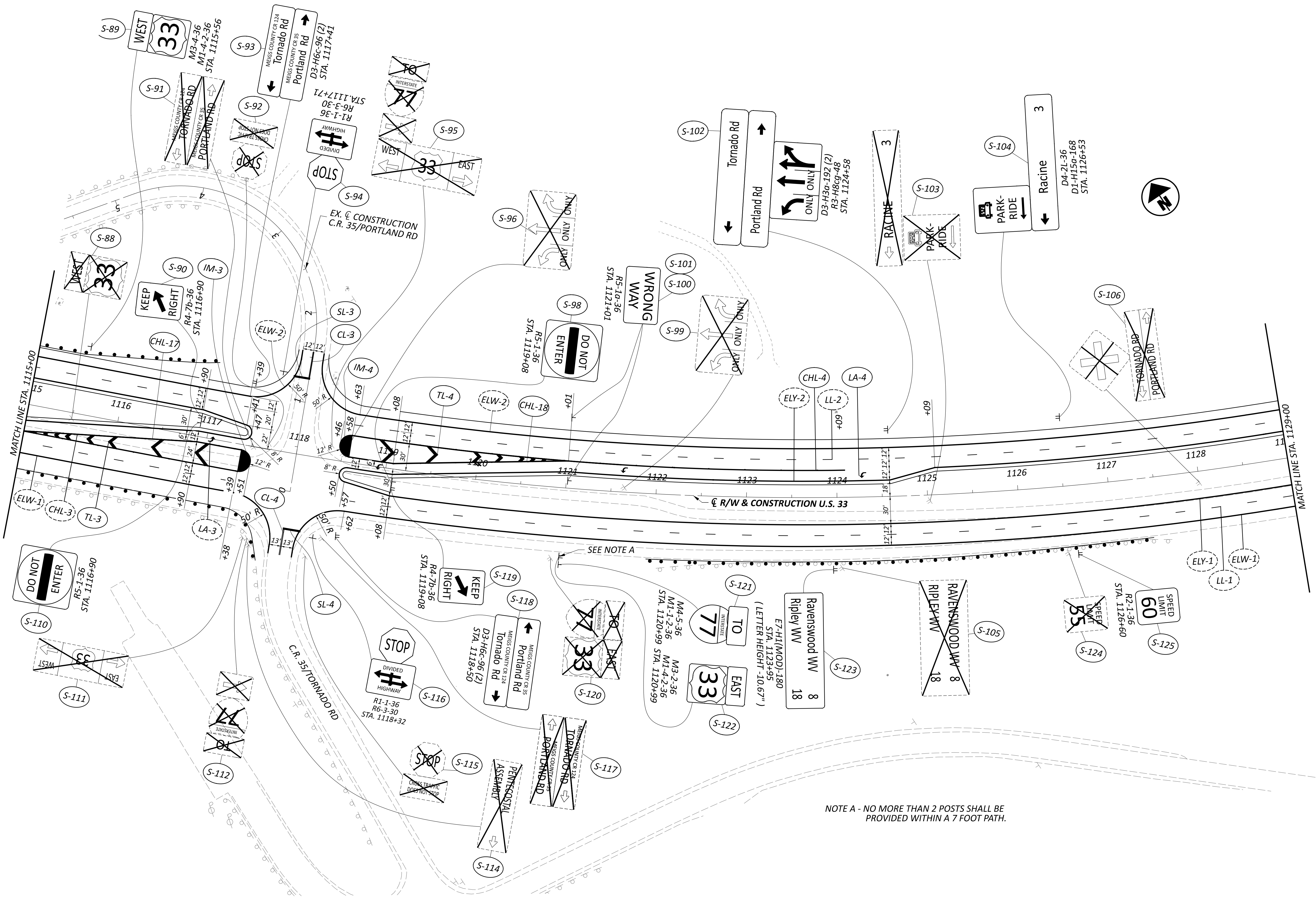
NOTE: SEE SHEET P.731 FOR BALLOON LEGEND



TRAFFIC CONTROL PLAN
STA. 1081+50 TO STA. 1115+00

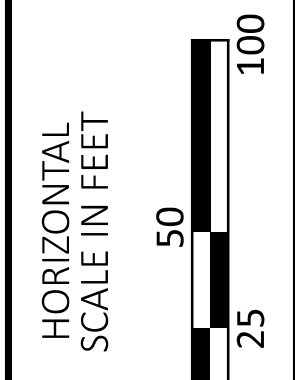
DESIGN AGENCY

COMPASS
 INFRASTRUCTURE GROUP
 DESIGNER
 BSP
 REVIEWER
 JJG 11/08/24
 PROJECT ID
 119144
 SHEET TOTAL
 P.743 940



NOTE A - NO MORE THAN 2 POSTS SHALL BE PROVIDED WITHIN A 7 FOOT PATH.

NOTE: SEE SHEET P.731 FOR BALLOON LEGEND



TRAFFIC CONTROL PLAN
 STA. 1115+00 TO STA. 1129+00



COMPASS INFRASTRUCTURE GROUP

DESIGN AGENCY

DESIGNER

BSP

REVIEWER

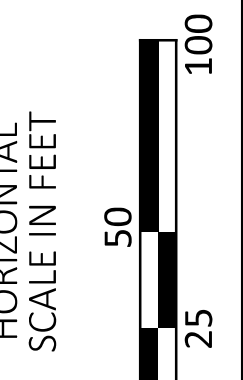
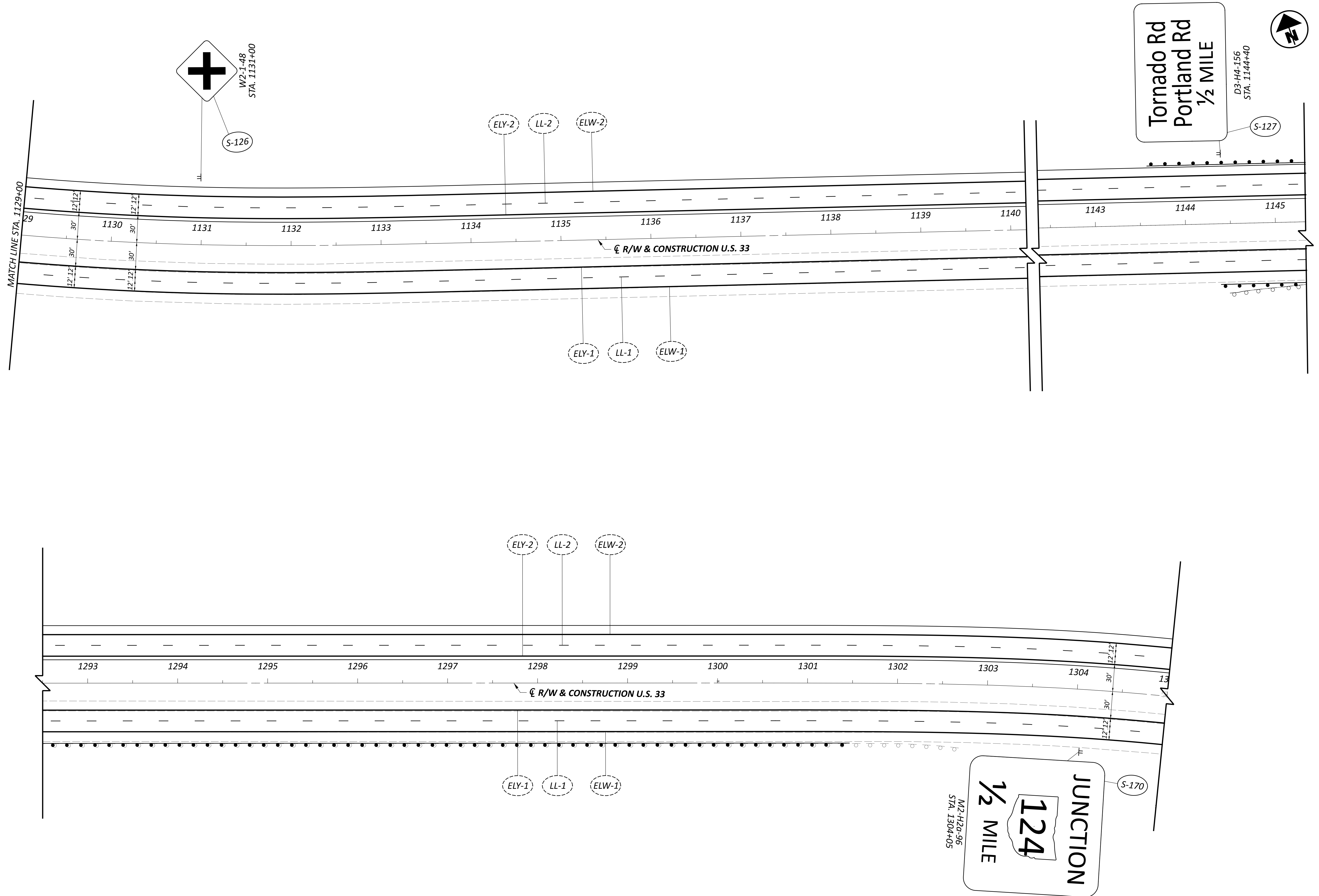
JJG 11/08/24

PROJECT ID

119144

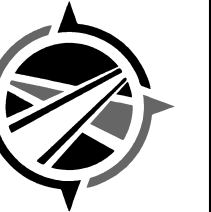
SHEET TOTAL

P.744 940



TRAFFIC CONTROL PLAN
STA. 1129+00 TO STA. 1305+00

DESIGN AGENCY



COMPASS
INFRASTRUCTURE GROUP

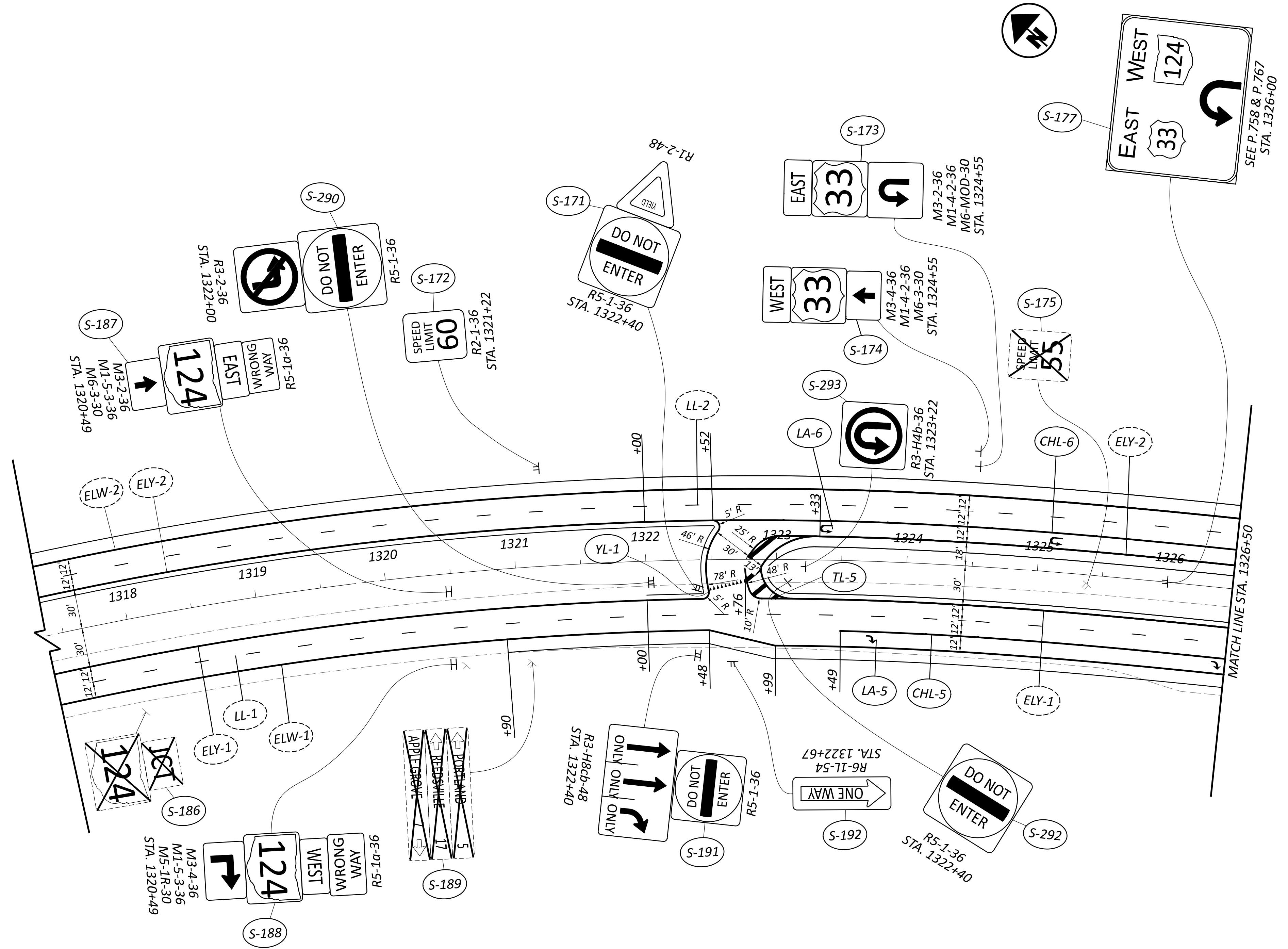
DESIGNER
BSP

REVIEWER
JJG 11/08/24

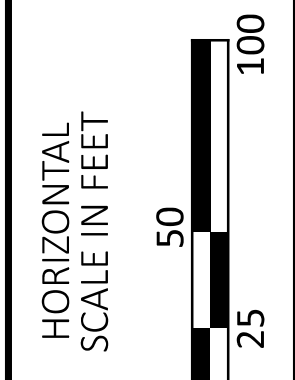
PROJECT ID
119144

SHEET TOTAL
P.745 940

NOTE: SEE SHEET P.731 FOR BALLOON LEGEND

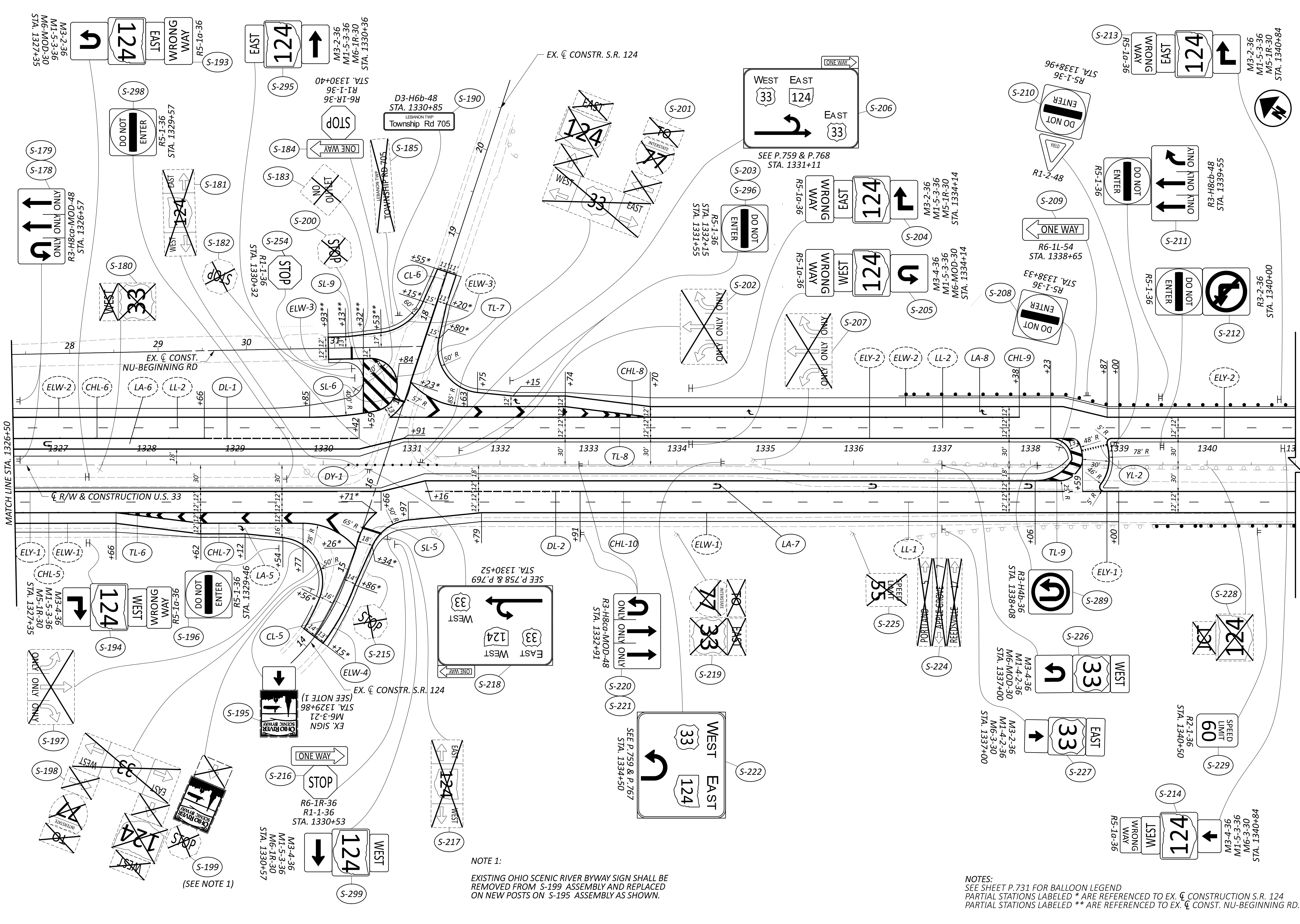


NOTE: SEE SHEET P.731 FOR BALLOON LEGEND



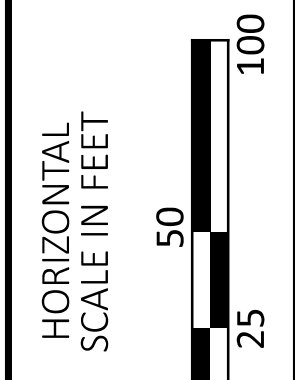
TRAFFIC CONTROL PLAN
 STA. 1317+50 TO STA. 1326+50

DESIGN AGENCY	
COMPASS INFRASTRUCTURE GROUP	
DESIGNER	
BSP	
REVIEWER	
JJG 11/08/24	
PROJECT ID	
119144	
SHEET	TOTAL
P.746	940



NOTE 1:
EXISTING OHIO SCENIC RIVER BYWAY SIGN SHALL BE REMOVED FROM S-199 ASSEMBLY AND REPLACED ON NEW POSTS ON S-195 ASSEMBLY AS SHOWN.

NOTES:
SEE SHEET P.731 FOR BALLOON LEGEND
PARTIAL STATIONS LABELED * ARE REFERENCED TO EX. & CONSTRUCTION S.R. 124
PARTIAL STATIONS LABELED ** ARE REFERENCED TO EX. & CONSTRUCTION NU-BEGINNING RD.



TRAFFIC CONTROL PLAN
STA. 1326+50 TO STA. 1341+00

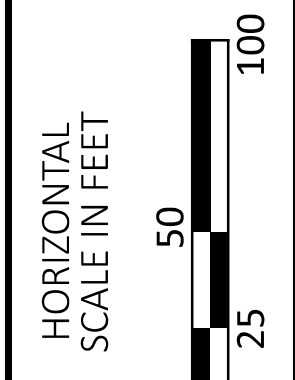
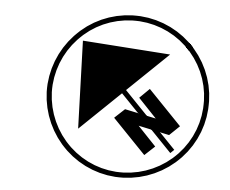
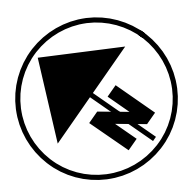
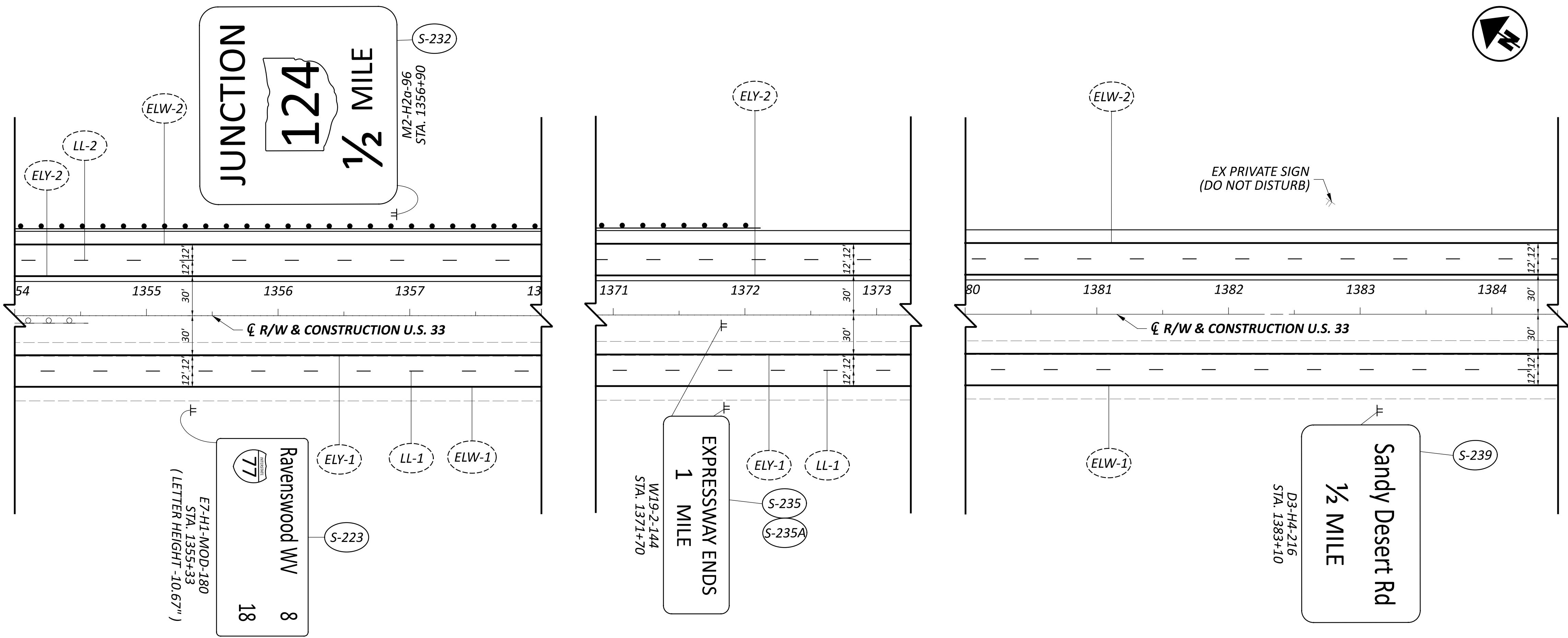
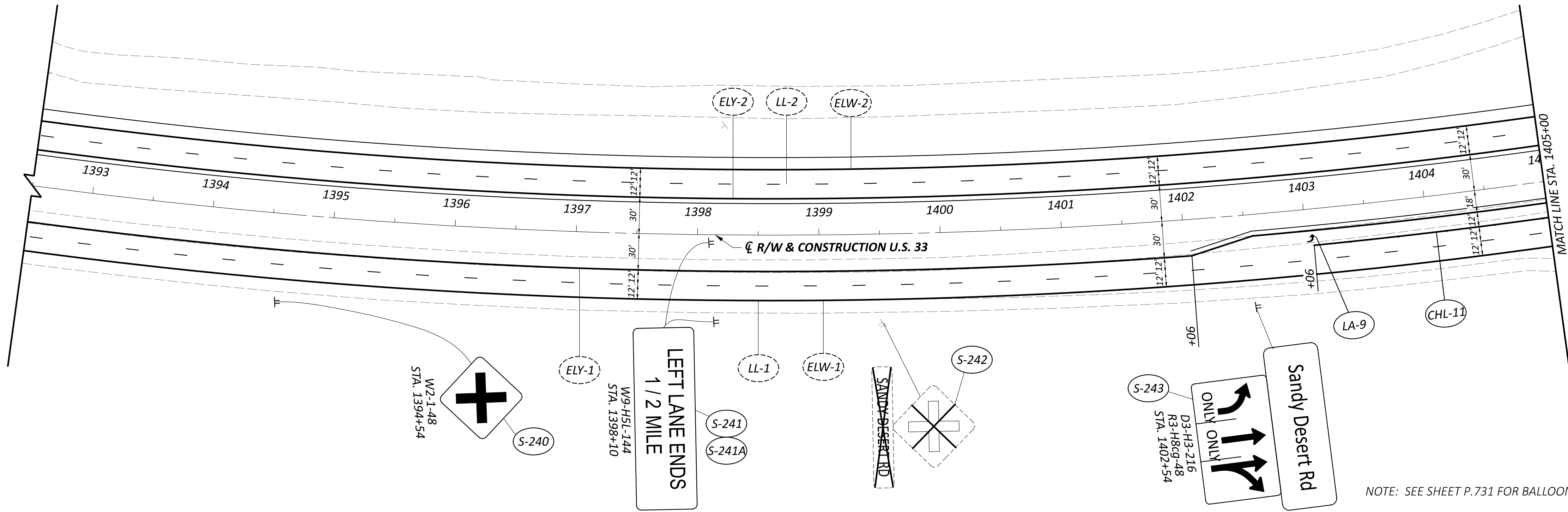
DESIGN AGENCY
COMPASS
INFRASTRUCTURE GROUP

DESIGNER
BSP

REVIEWER
JJG 11/08/24

PROJECT ID
119144

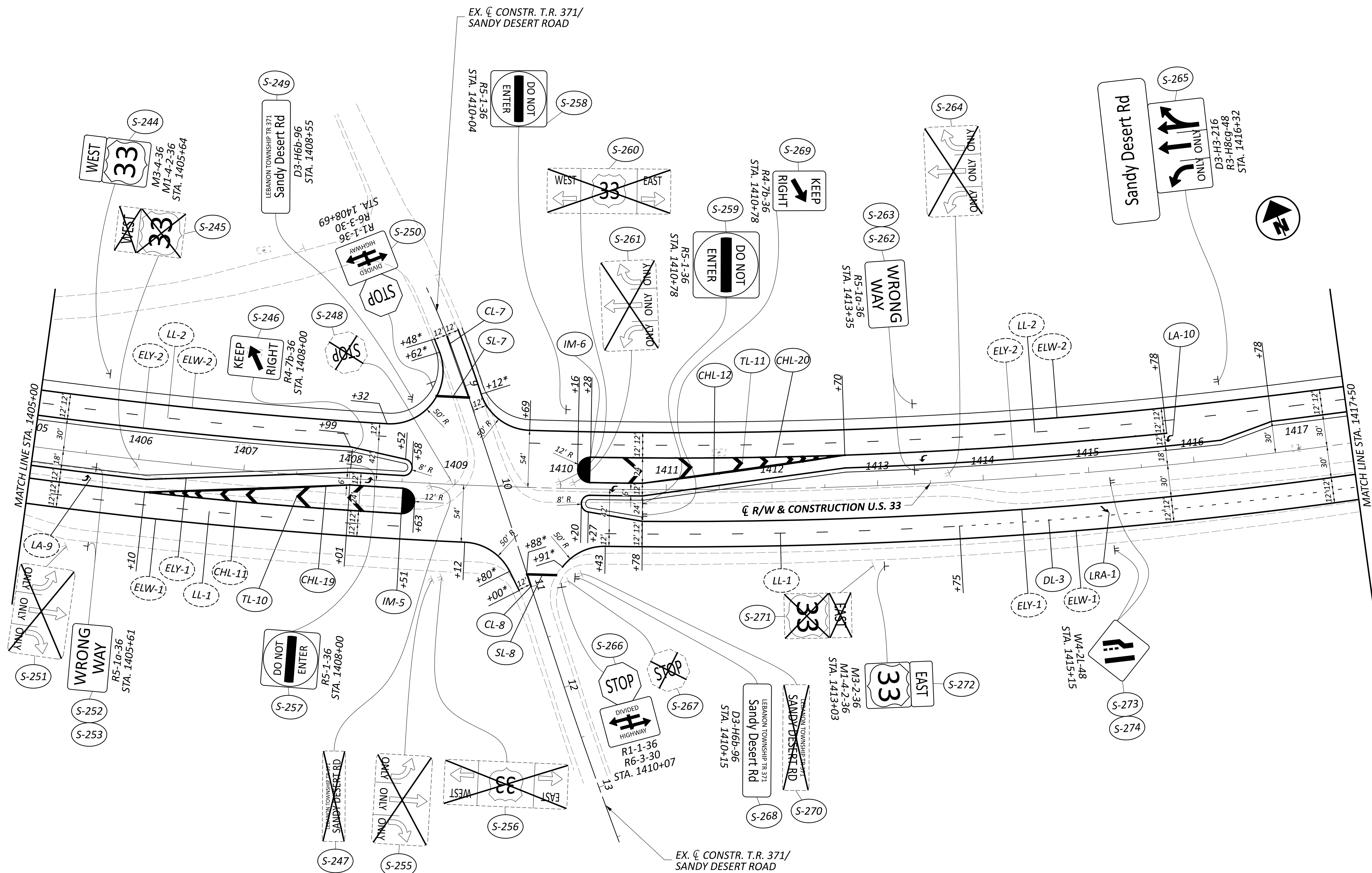
SHEET TOTAL
P.747 940



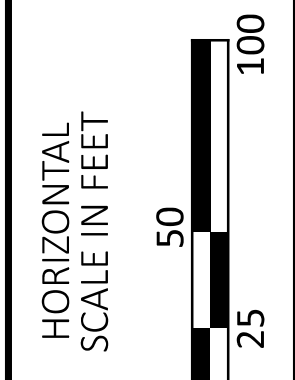
TRAFFIC CONTROL PLAN
STA. 1354+00 TO STA. 1405+00

DESIGN AGENCY	
COMPASS INFRASTRUCTURE GROUP	
DESIGNER	
BSP	
REVIEWER	
JGG 11/08/24	
PROJECT ID	
119144	
SHEET	TOTAL
P.748	940

NOTE: SEE SHEET P.731 FOR BALLOON LEGEND



NOTES:
 SEE SHEET P.731 FOR BALLOON LEGEND
 PARTIAL STATIONS LABELED * ARE REFERENCED TO \bar{C} CONSTRUCTION T.R. 371/SANDY DESERT ROAD



TRAFFIC CONTROL PLAN
 STA. 1405+00 TO STA. 1417+50

DESIGN AGENCY



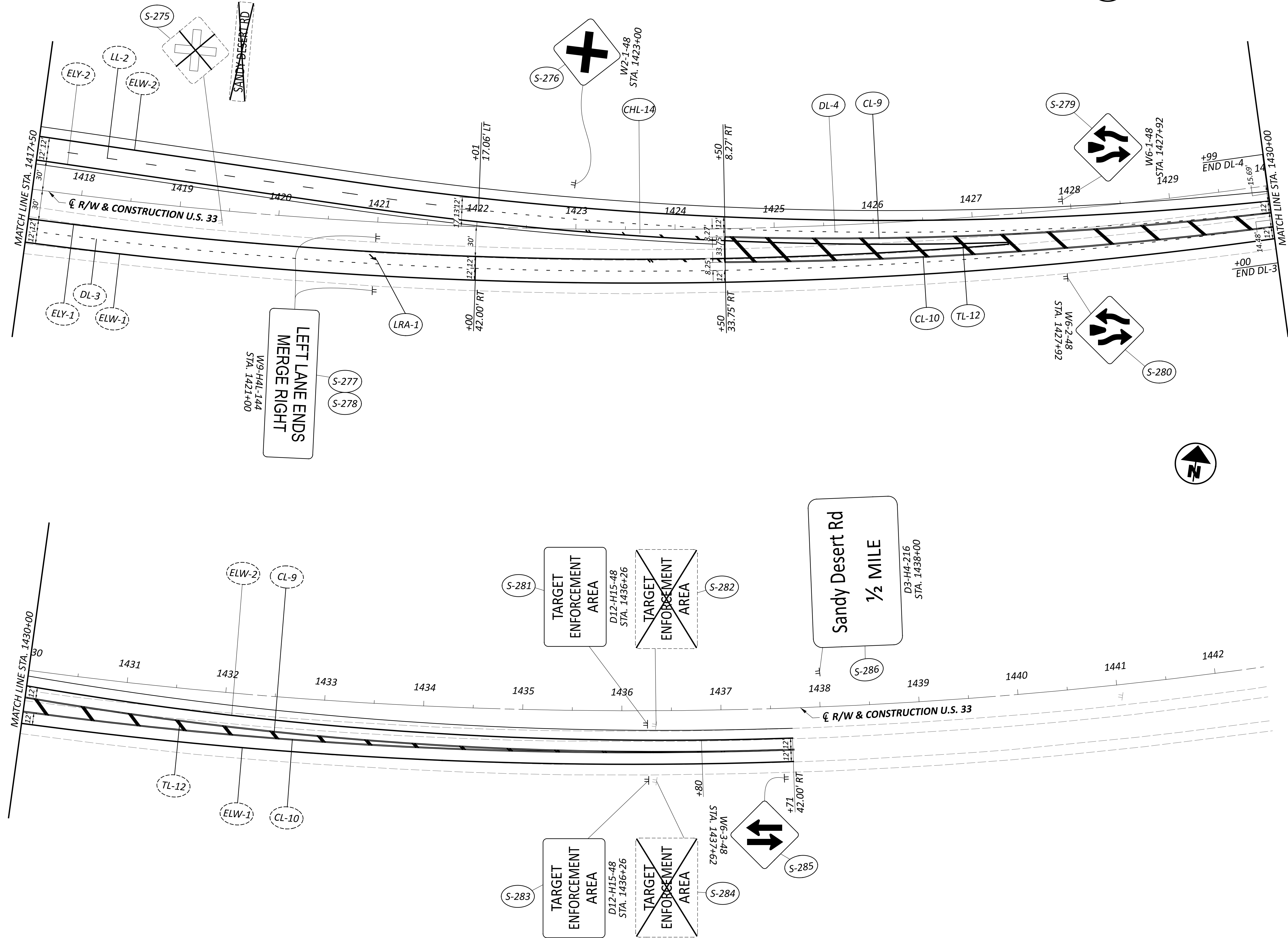
COMPASS
 INFRASTRUCTURE GROUP

DESIGNER
 BSP

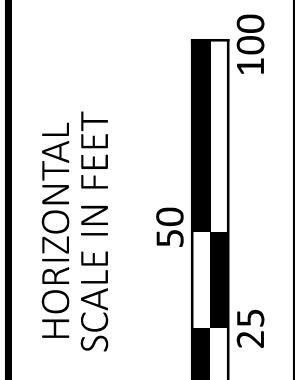
REVIEWER
 JJG 11/08/24

PROJECT ID
 119144

SHEET TOTAL
 P.749 940

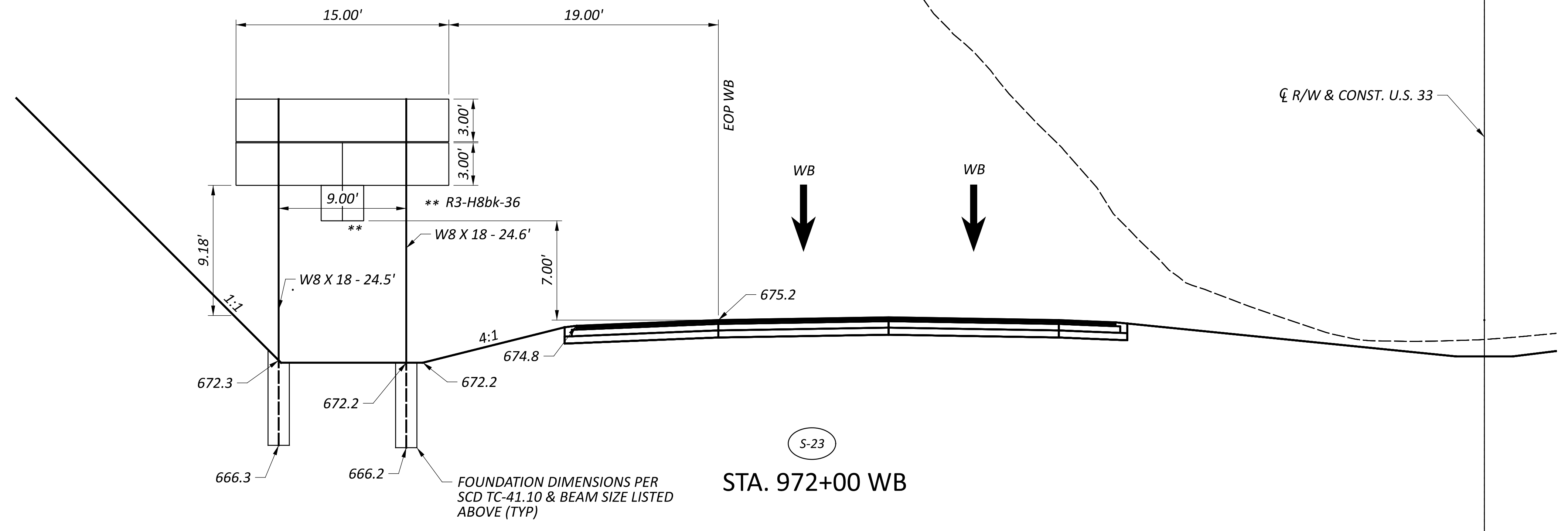


NOTE: SEE SHEET P.731 FOR BALLOON LEGEND

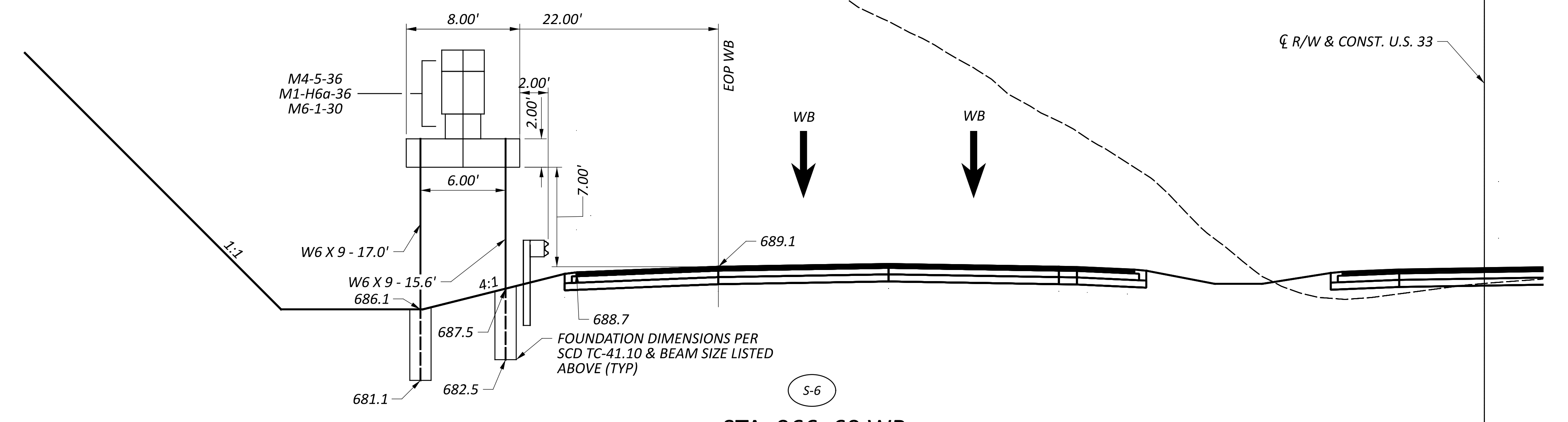


TRAFFIC CONTROL PLAN
STA. 1417+50 TO STA. 1442+50

DESIGN AGENCY	
COMPASS INFRASTRUCTURE GROUP	
DESIGNER	
BSP	
REVIEWER	
JJG	11/08/24
PROJECT ID	
119144	
SHEET	TOTAL
P.750	940




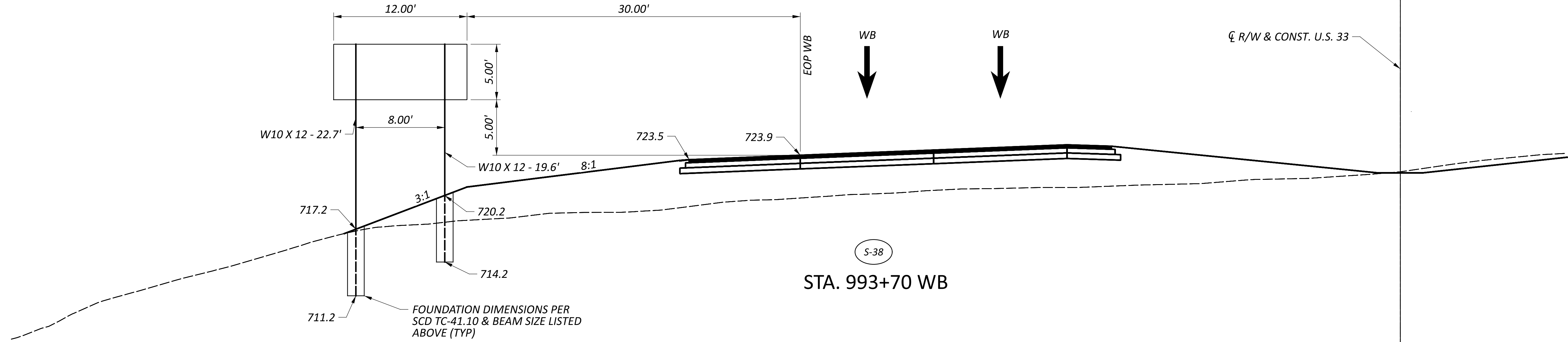
STA. 972+00 WB



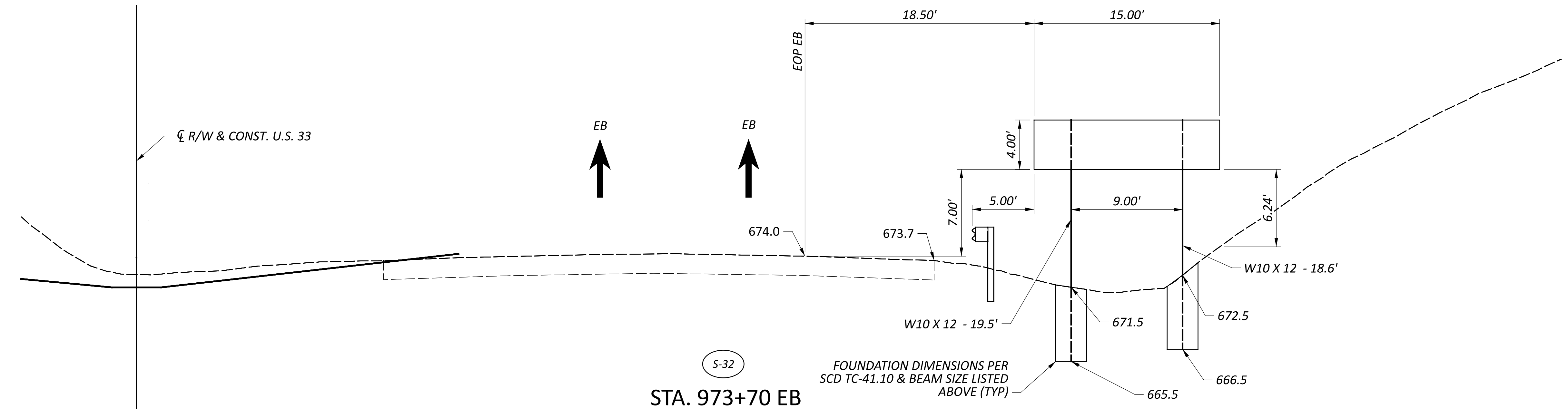
STA. 966+60 WB

SIGN ELEVATION

DESIGN AGENCY

 COMPASS
 INFRASTRUCTURE GROUP
 DESIGNER
 BSP
 REVIEWER
 JJG 11/08/24
 PROJECT ID
 119144
 SHEET TOTAL
 P.751 940



S-38
STA. 993+70 WB



S-32
STA. 973+70 EB

SIGN ELEVATION

DESIGN AGENCY



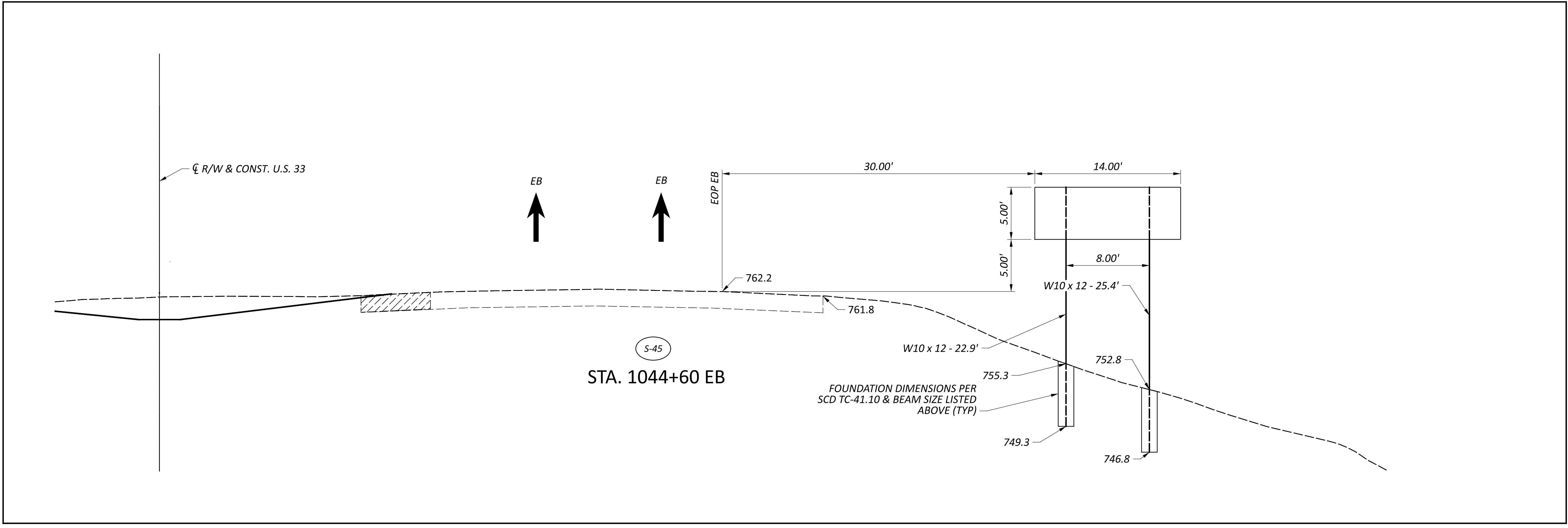
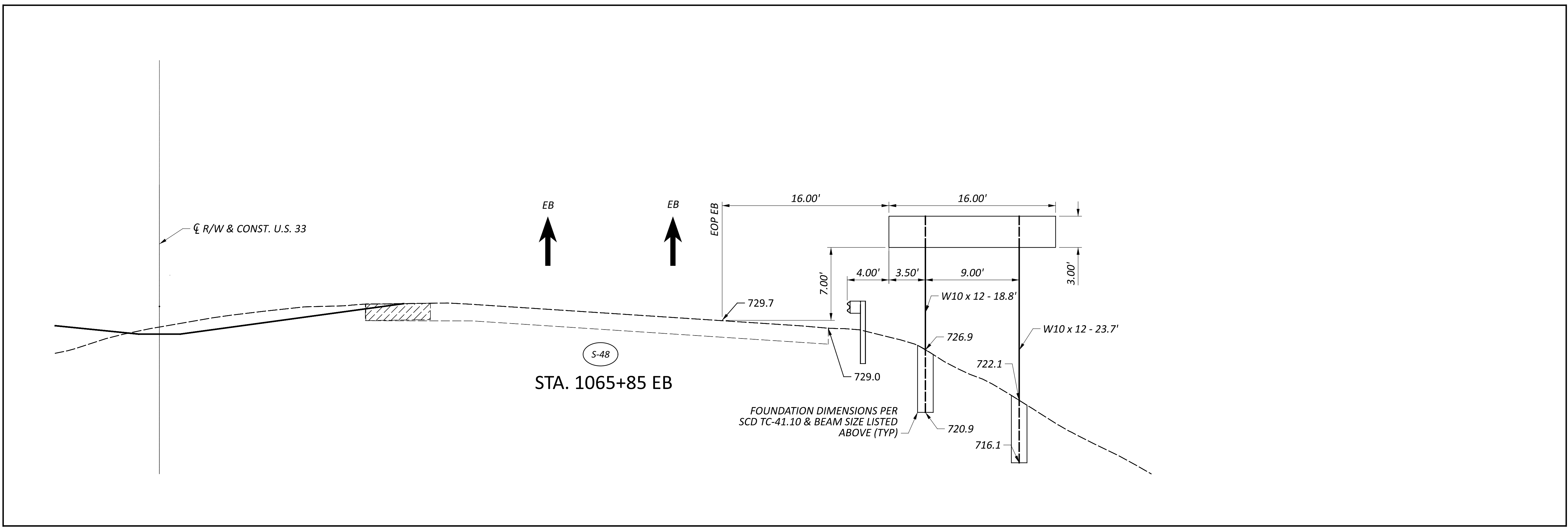
COMPASS
INFRASTRUCTURE GROUP

DESIGNER
BSP

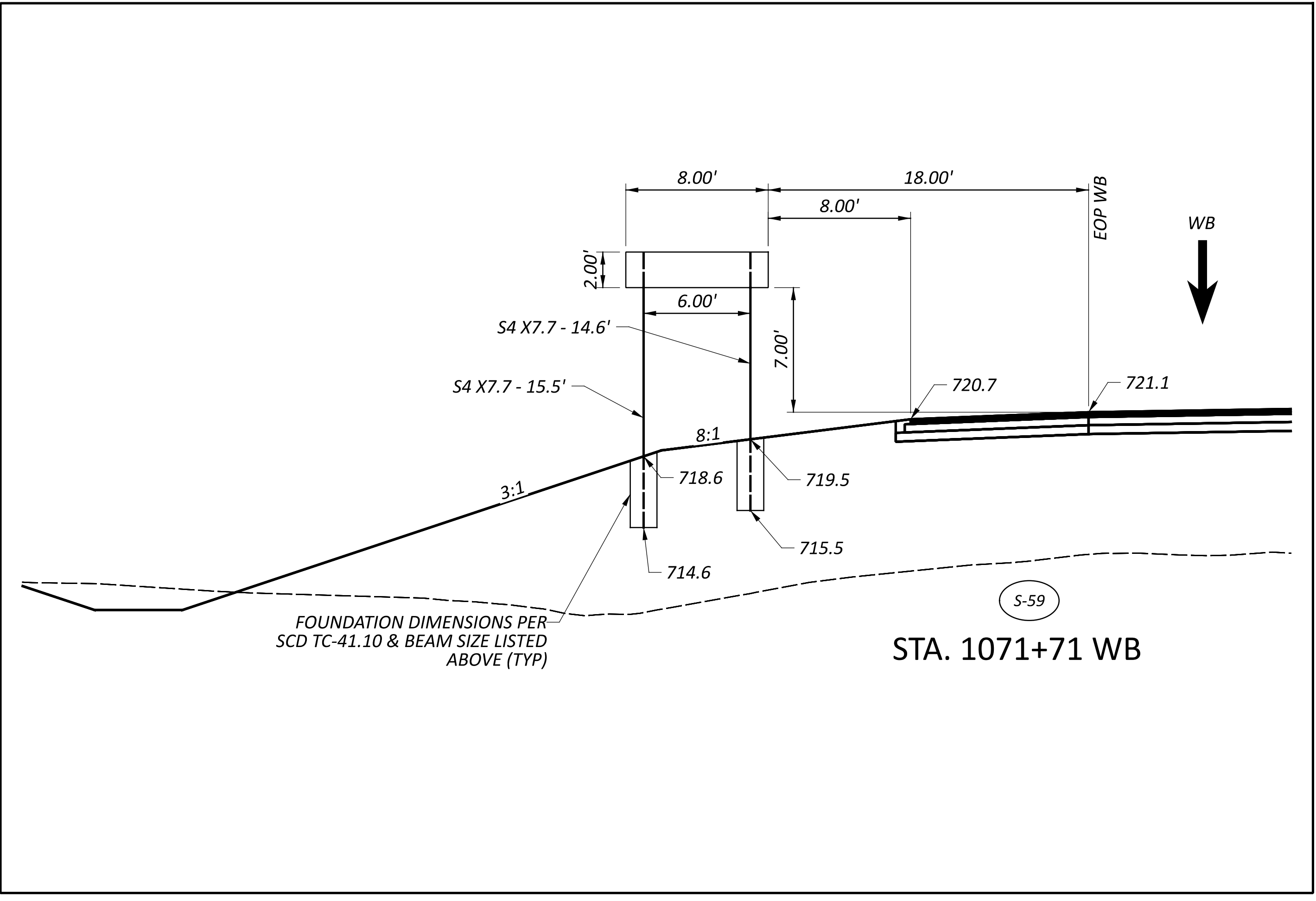
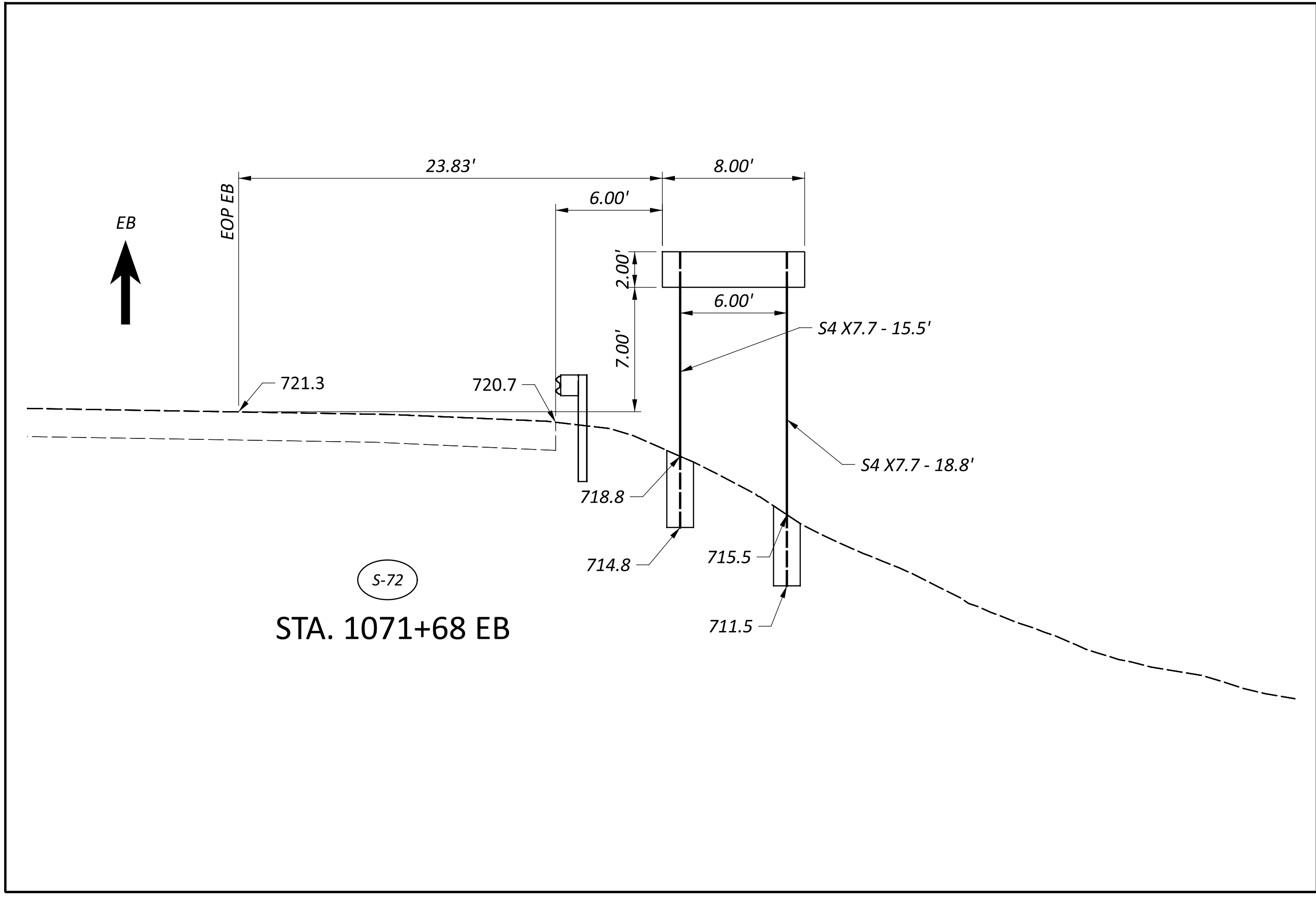
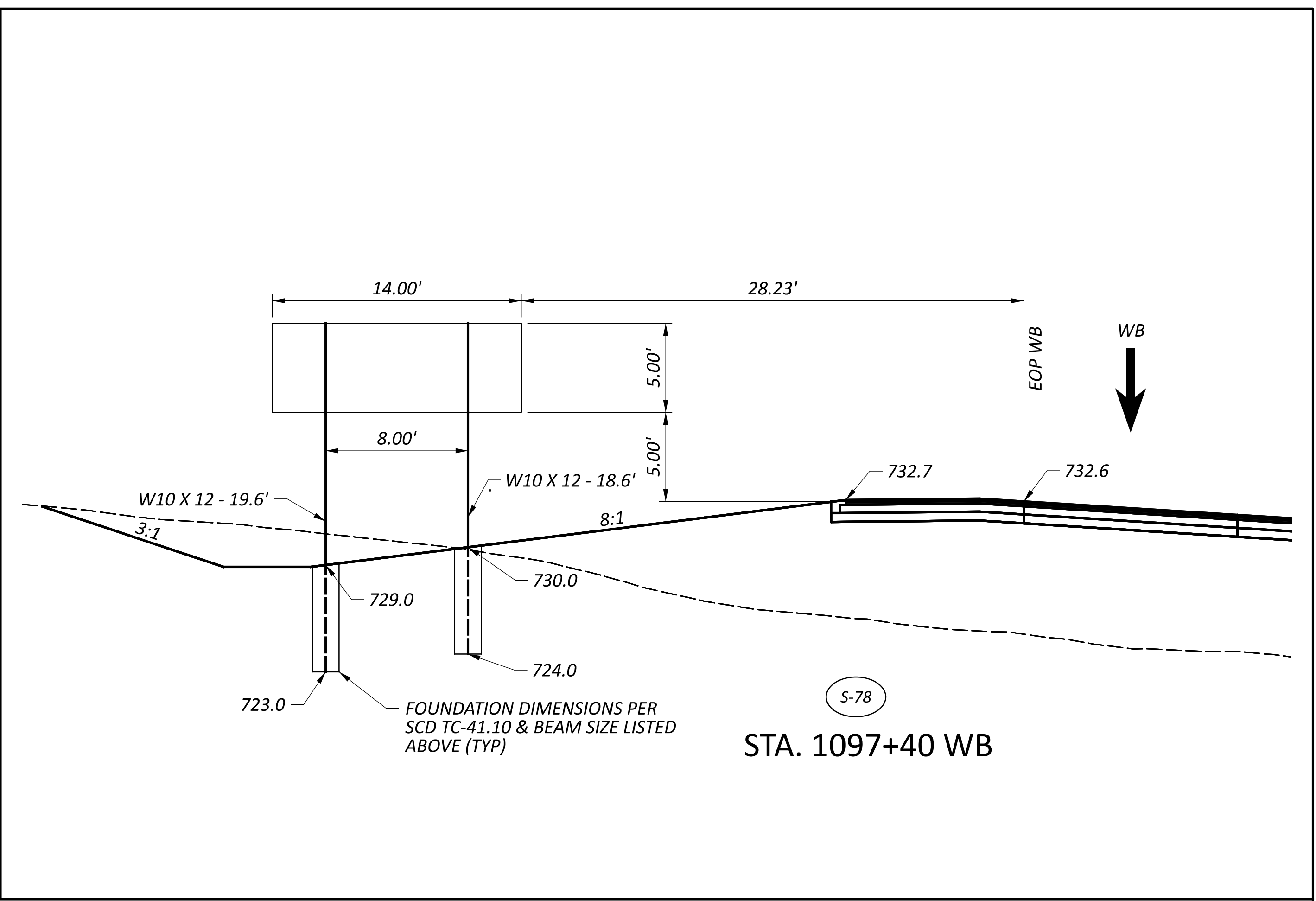
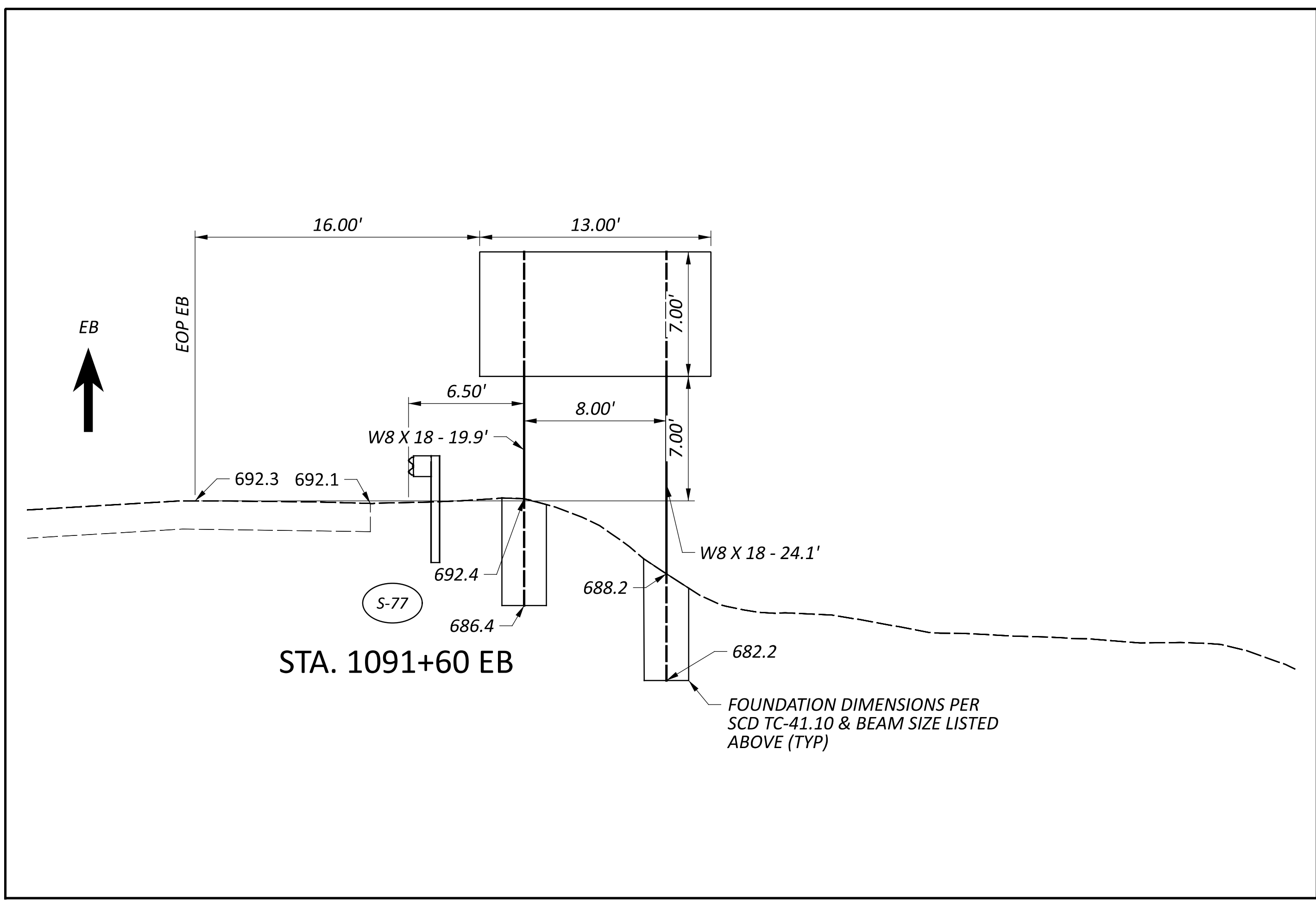
REVIEWER
JJG 11/08/24

PROJECT ID
119144

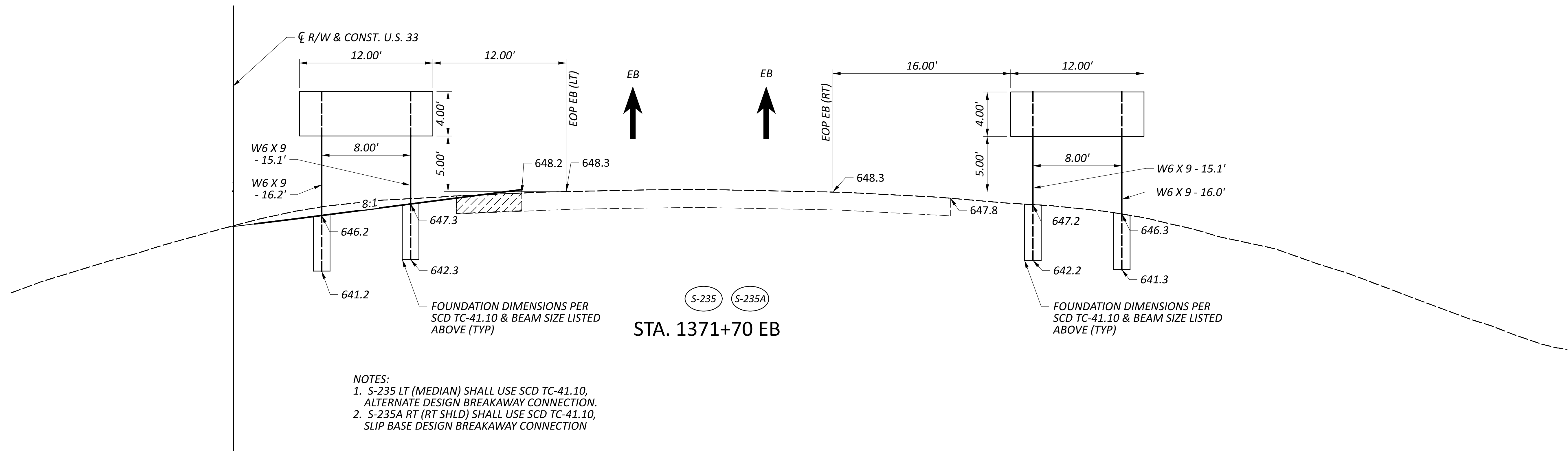
SHEET TOTAL
P.752 940



DESIGN AGENCY	
DESIGNER	BSP
REVIEWER	JJG 11/08/24
PROJECT ID	119144
SHEET TOTAL	P.753 940

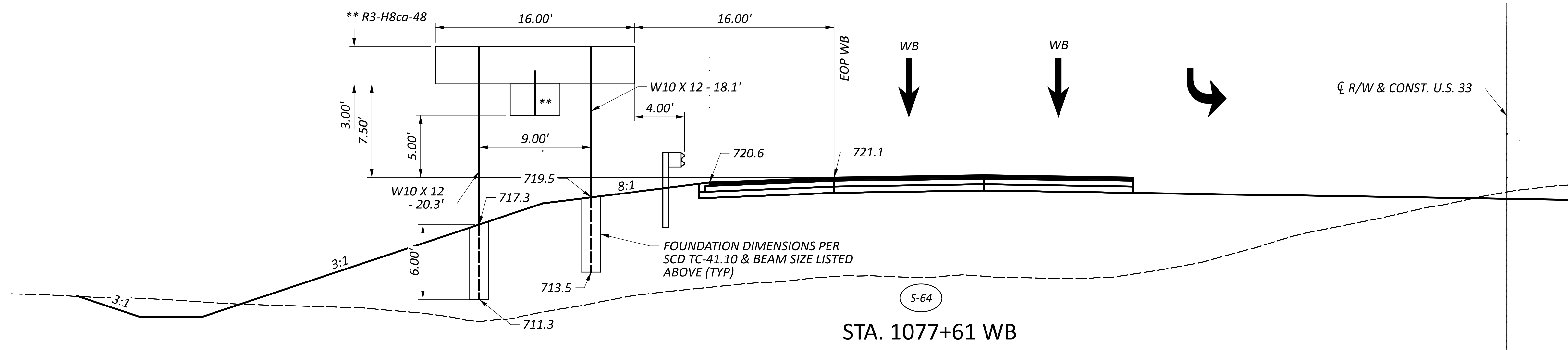


SIGN ELEVATION



- NOTES:
1. S-235 LT (MEDIAN) SHALL USE SCD TC-41.10, ALTERNATE DESIGN BREAKAWAY CONNECTION.
 2. S-235A RT (RT SHLD) SHALL USE SCD TC-41.10, SLIP BASE DESIGN BREAKAWAY CONNECTION

(S-235) (S-235A)
STA. 1371+70 EB

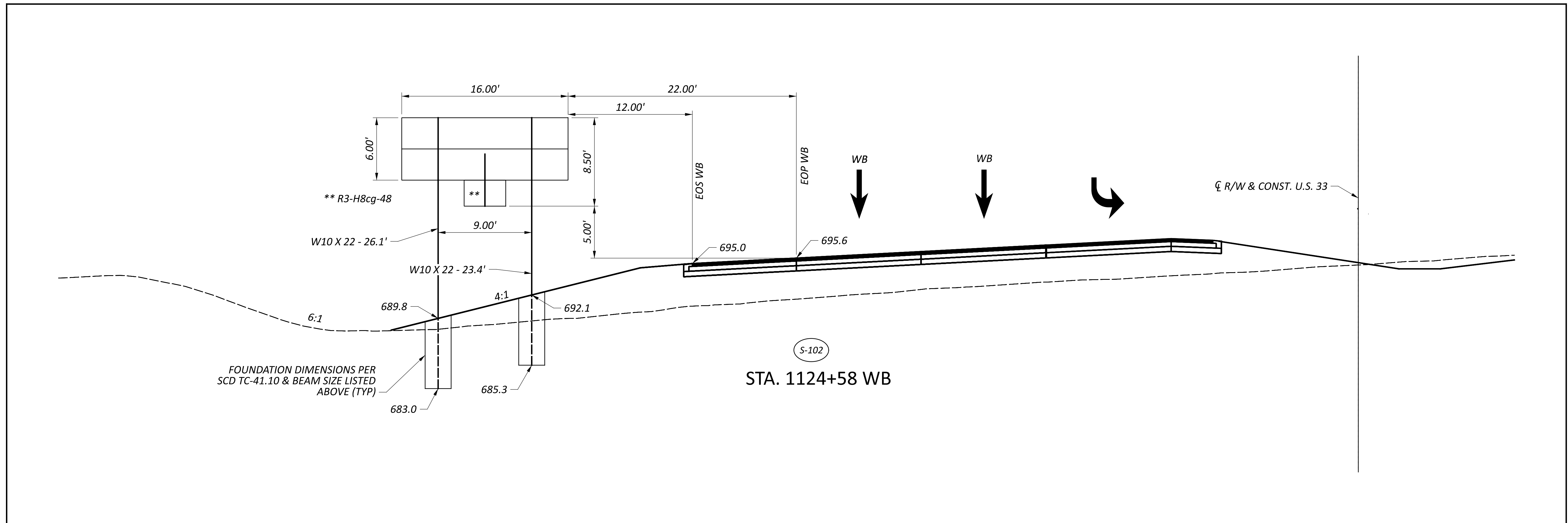
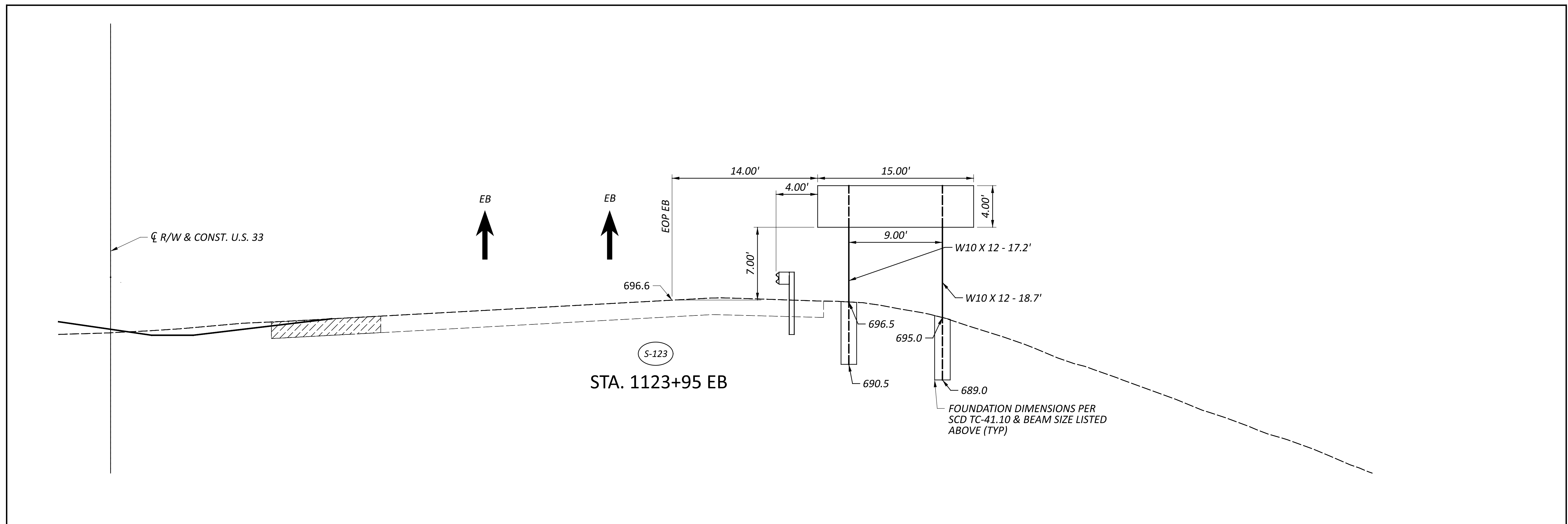


(S-64)
STA. 1077+61 WB

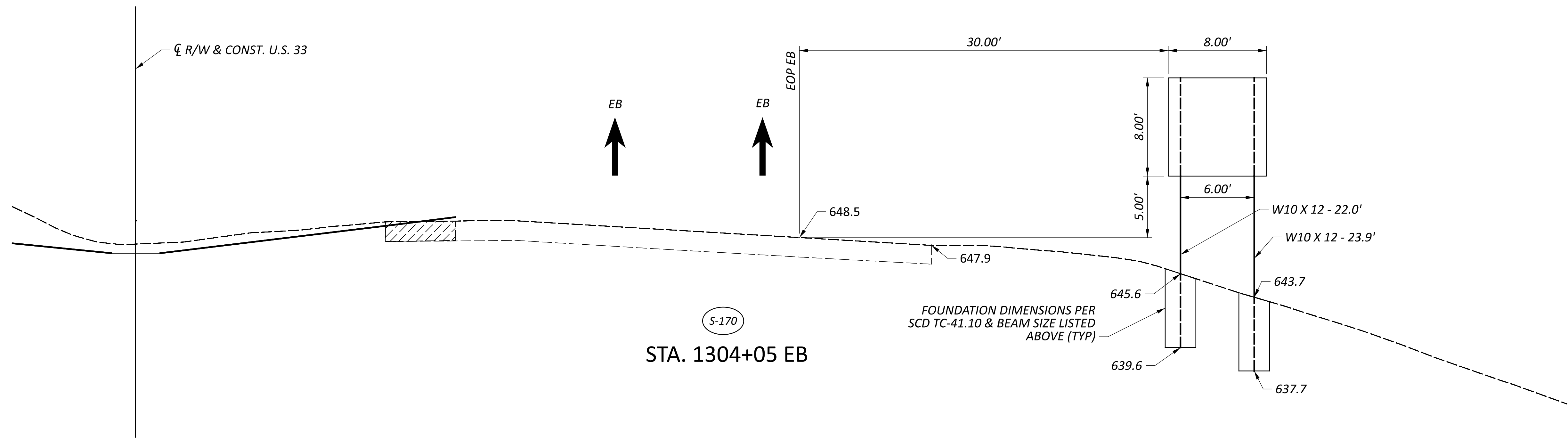
SIGN ELEVATION

DESIGN AGENCY

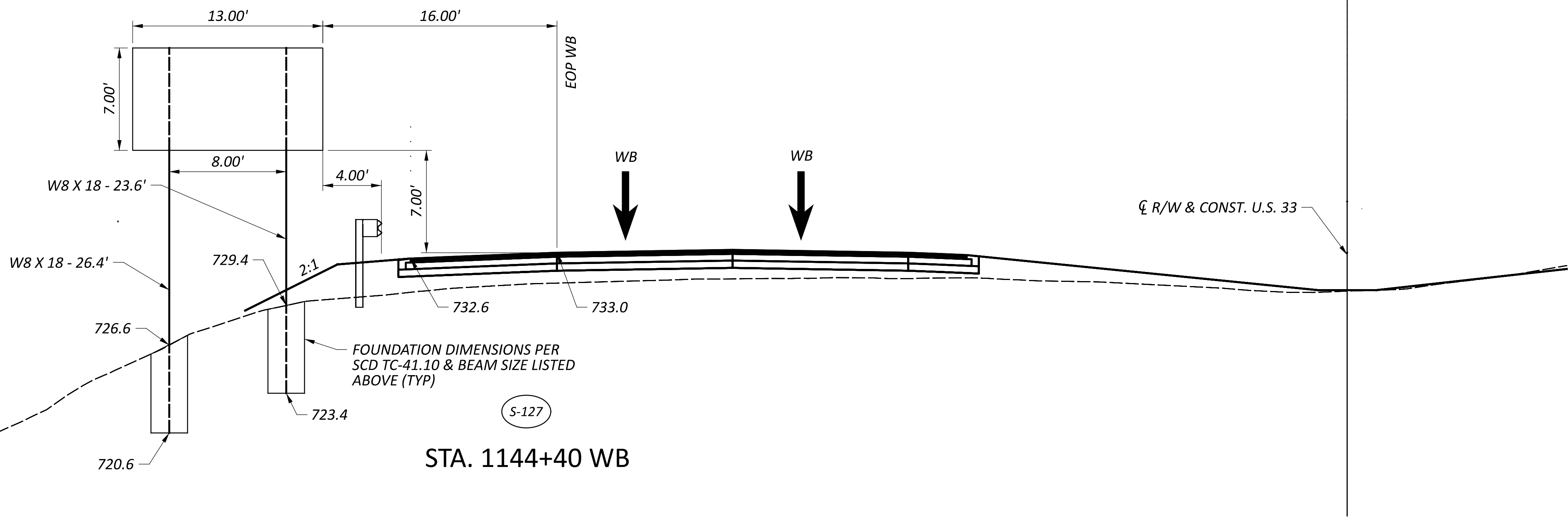
COMPASS
 INFRASTRUCTURE GROUP
 DESIGNER
 BSP
 REVIEWER
 JJG 11/08/24
 PROJECT ID
 119144
 SHEET TOTAL
 P.755 | 940



SIGN ELEVATION

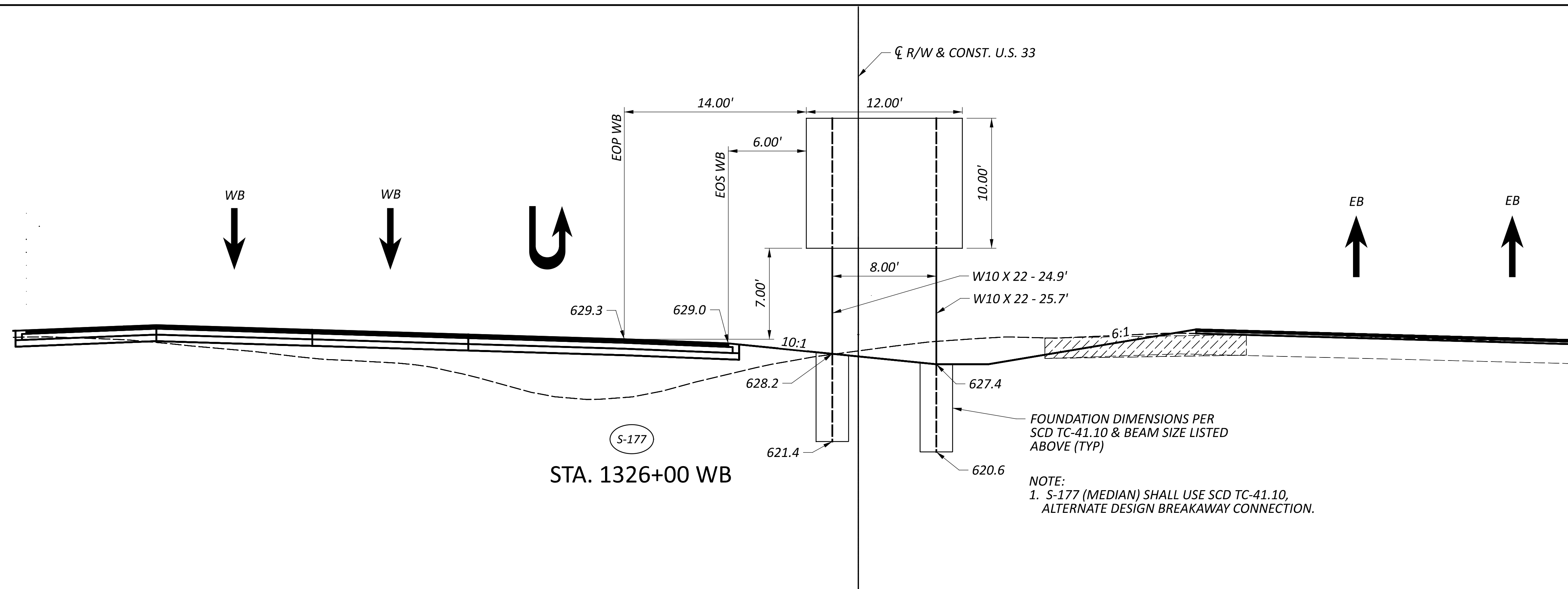
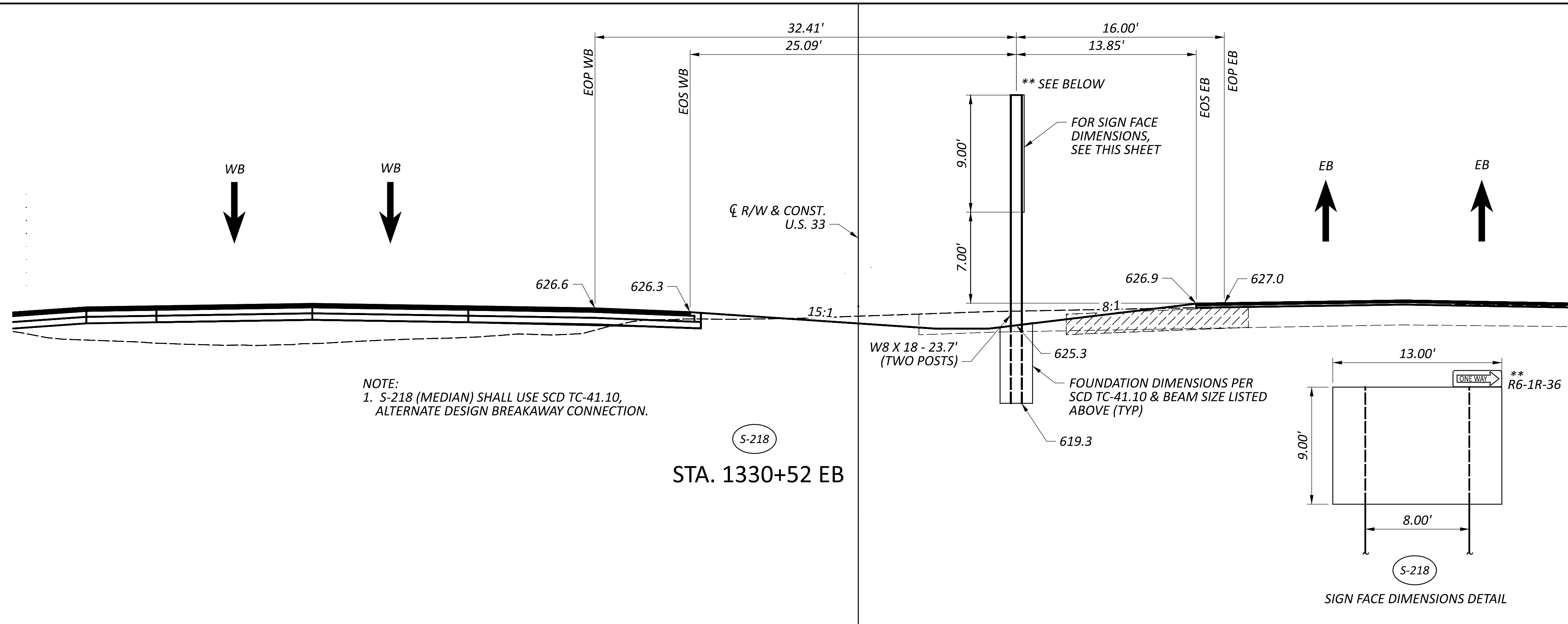


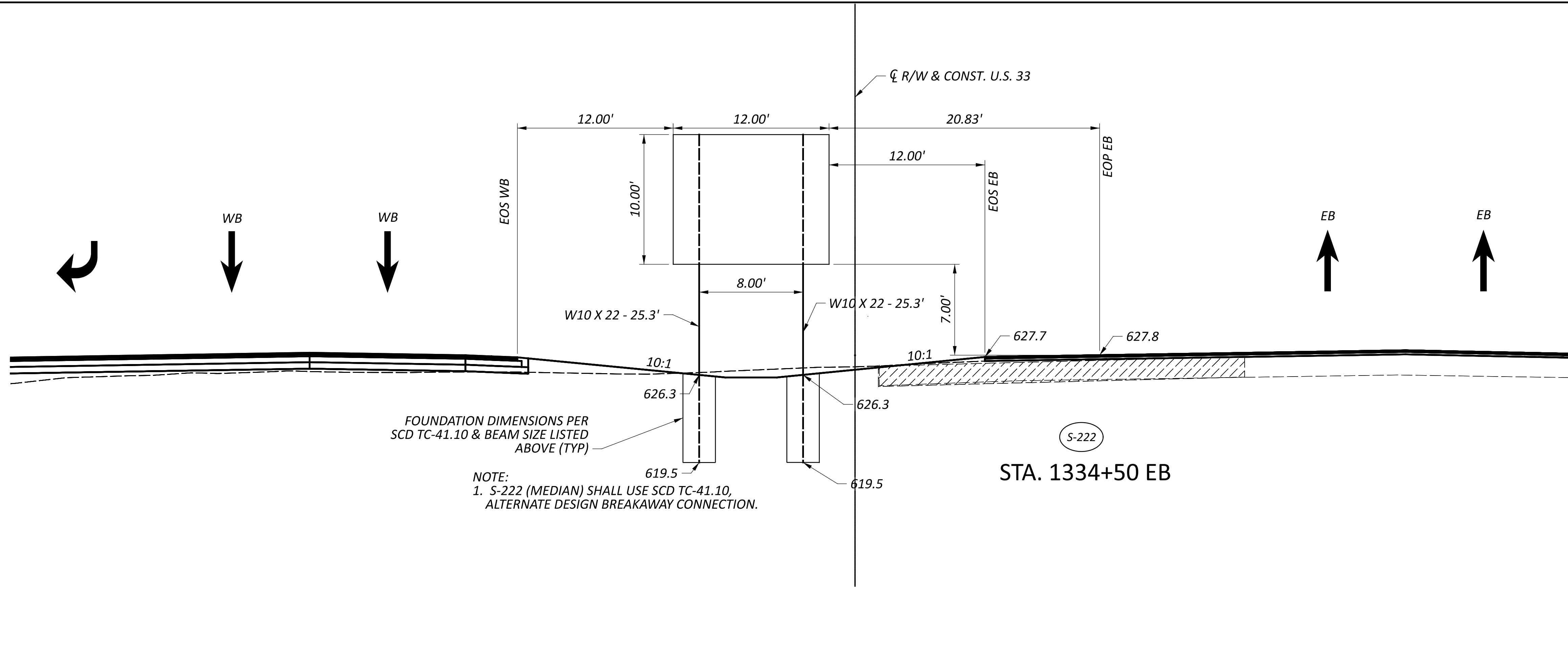
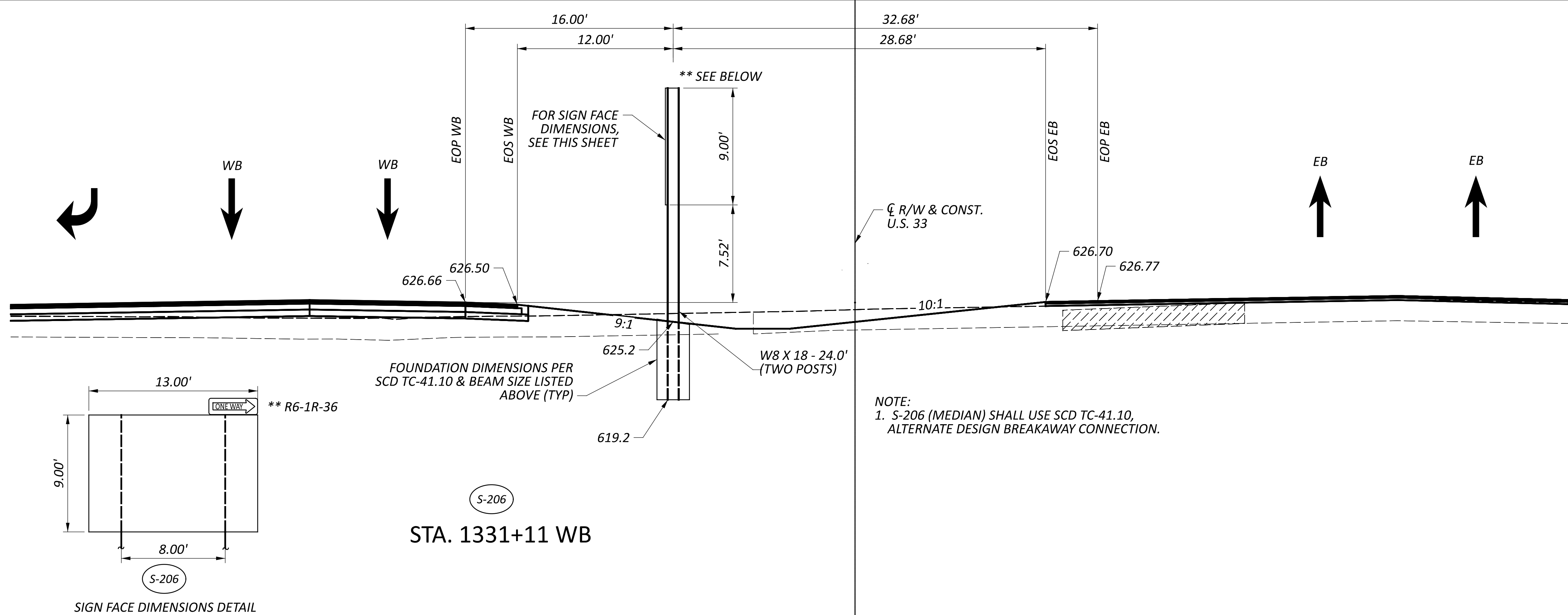
S-170
STA. 1304+05 EB



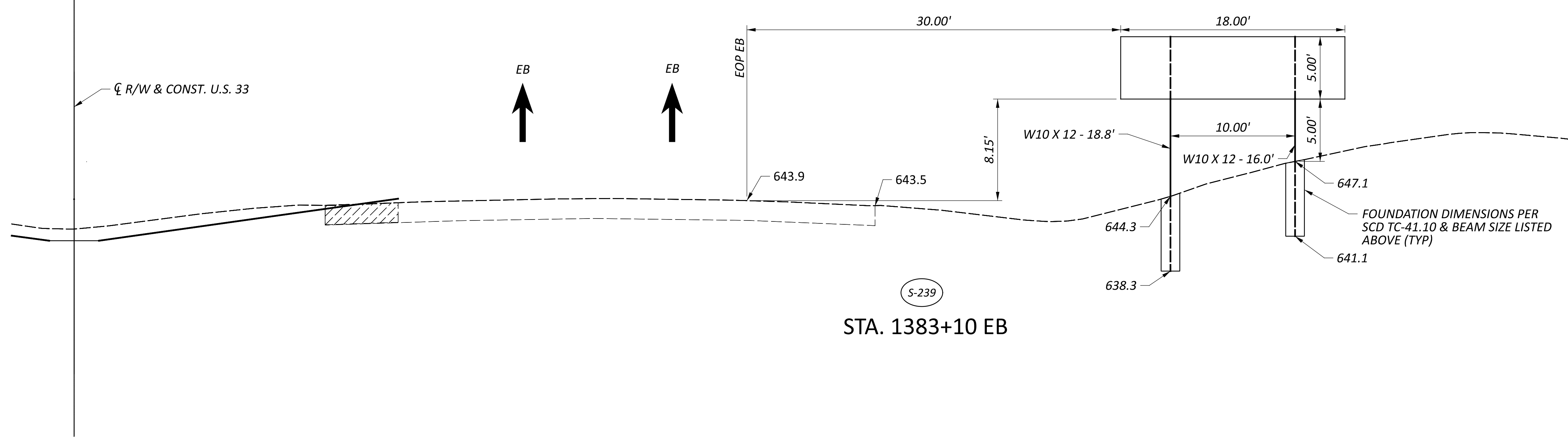
S-127
STA. 1144+40 WB

SIGN ELEVATION

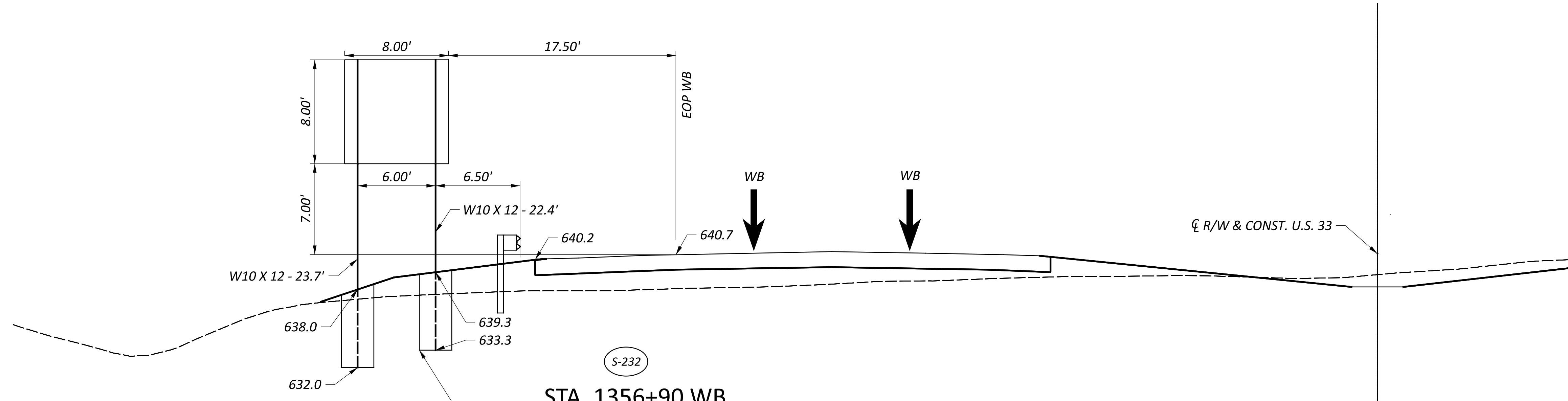




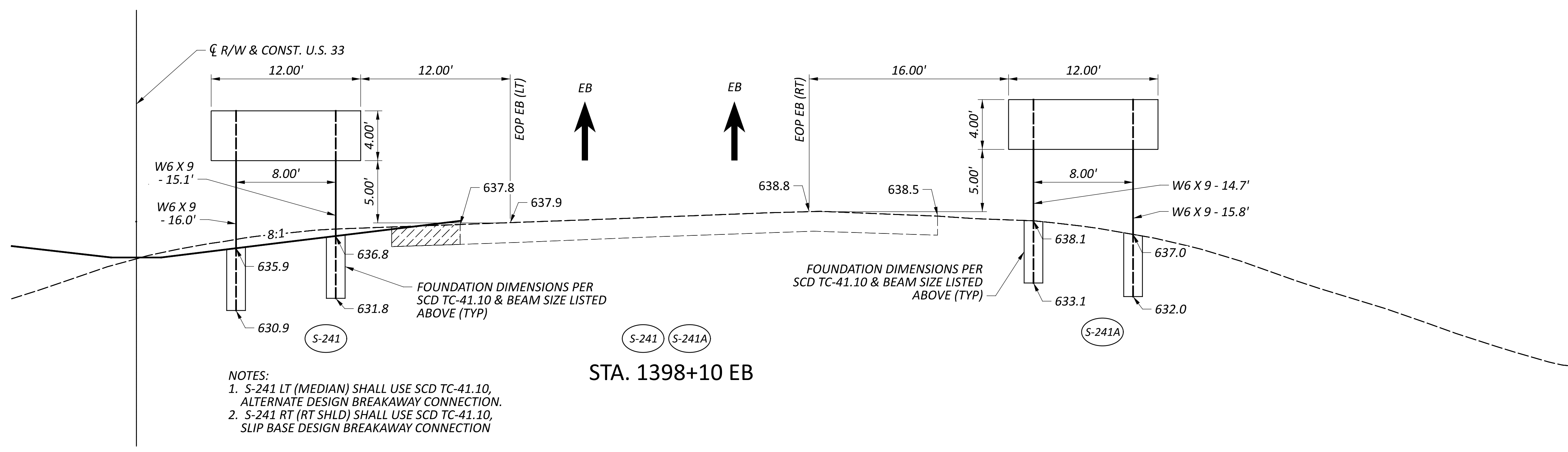
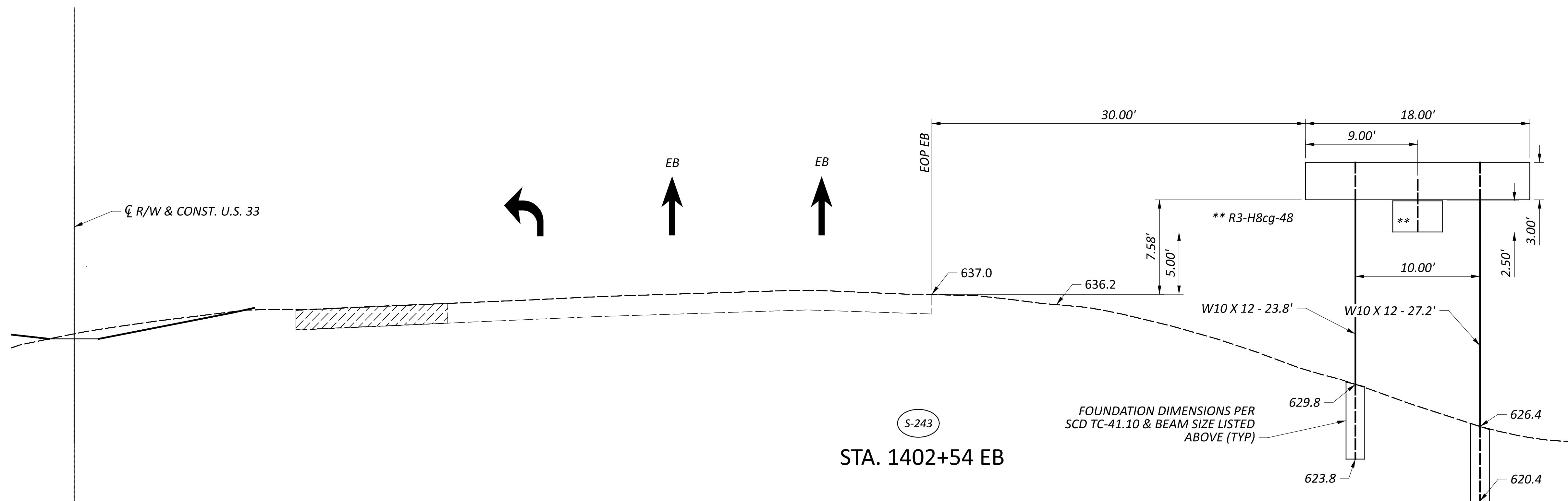
SIGN ELEVATION



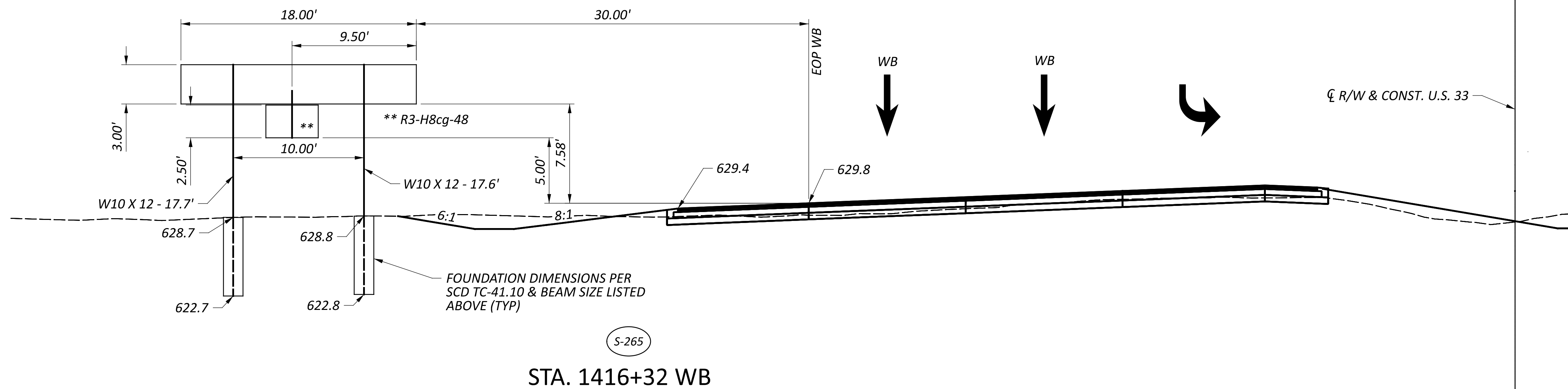
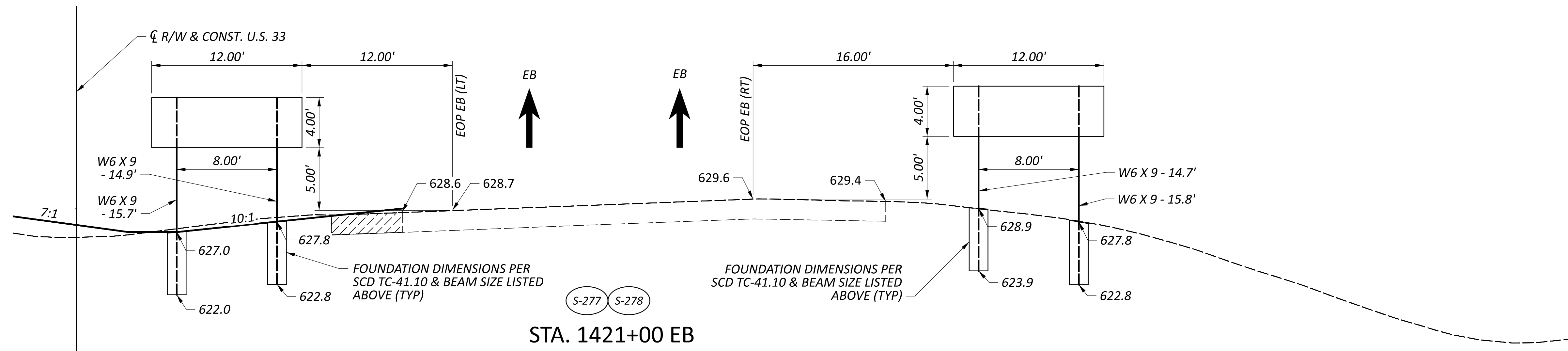
STA. 1383+10 EB



STA. 1356+90 WB



- NOTES:
 1. S-241 LT (MEDIAN) SHALL USE SCD TC-41.10, ALTERNATE DESIGN BREAKAWAY CONNECTION.
 2. S-241 RT (RT SHLD) SHALL USE SCD TC-41.10, SLIP BASE DESIGN BREAKAWAY CONNECTION



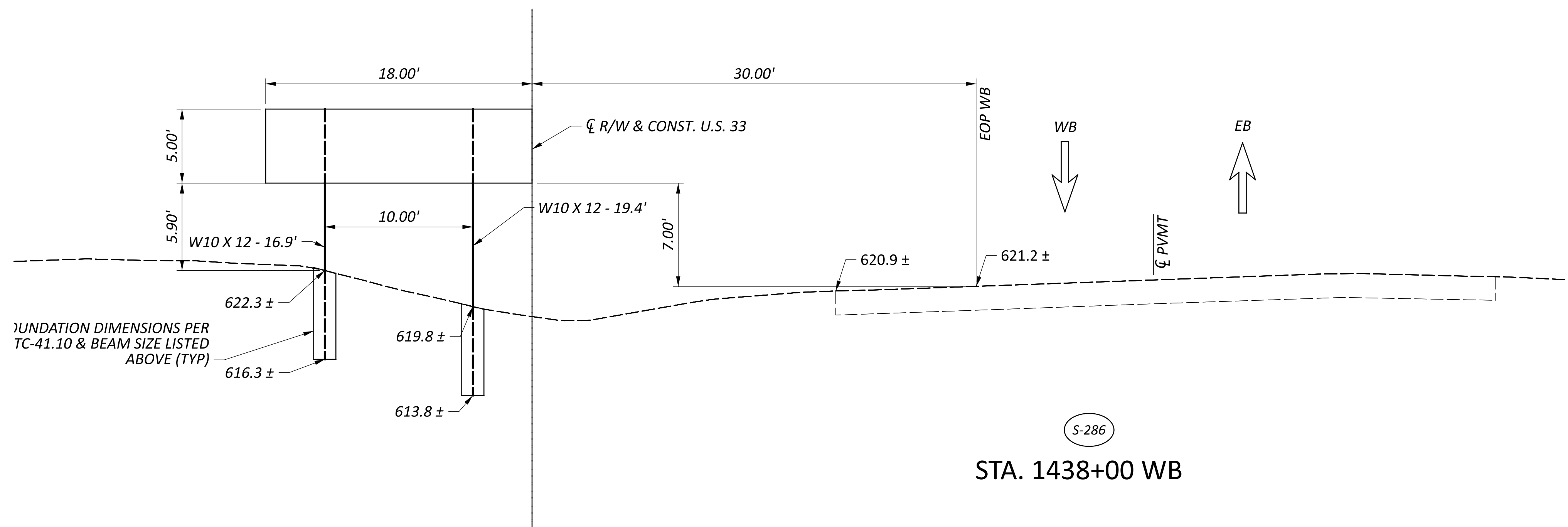
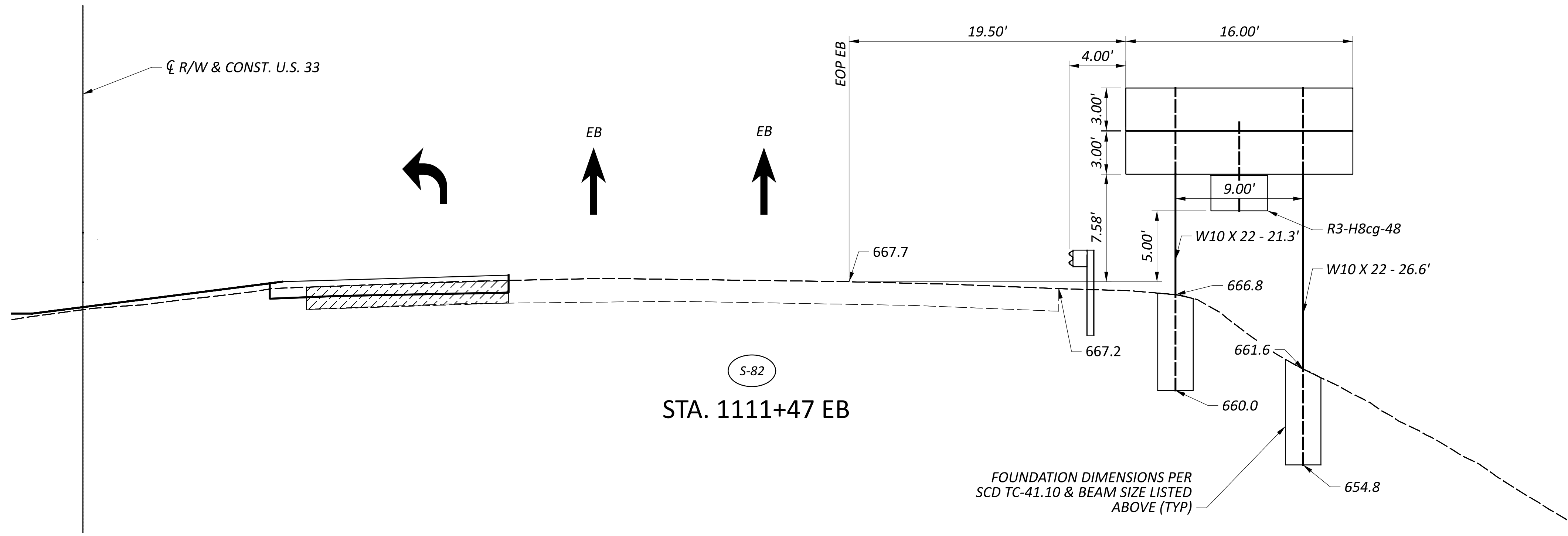
SIGN ELEVATION

MEG-33-19.21

MODEL: SIGN ELEVATION SHEET PAPER SIZE: 34x22 (in.) DATE: 2/25/2025 TIME: 10:36:22 AM USER: aakuraju
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DESIGN AGENCY

 COMPASS
 INFRASTRUCTURE GROUP
 DESIGNER
 BSP
 REVIEWER
 JJG 11/08/24
 PROJECT ID
 119144
 SHEET TOTAL
 P.762 940



SIGN ELEVATION

DESIGN AGENCY



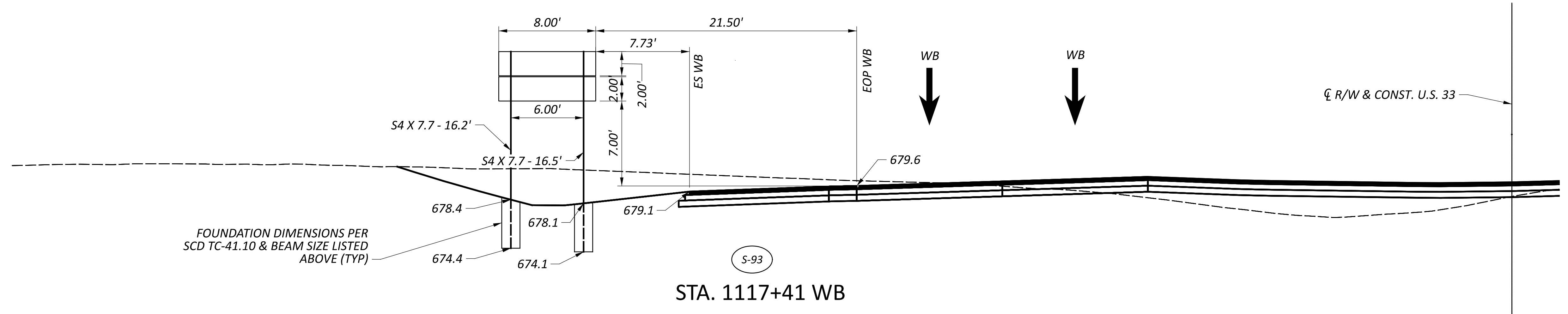
COMPASS
INFRASTRUCTURE GROUP

DESIGNER
BSP

REVIEWER
JYG 11/08/24

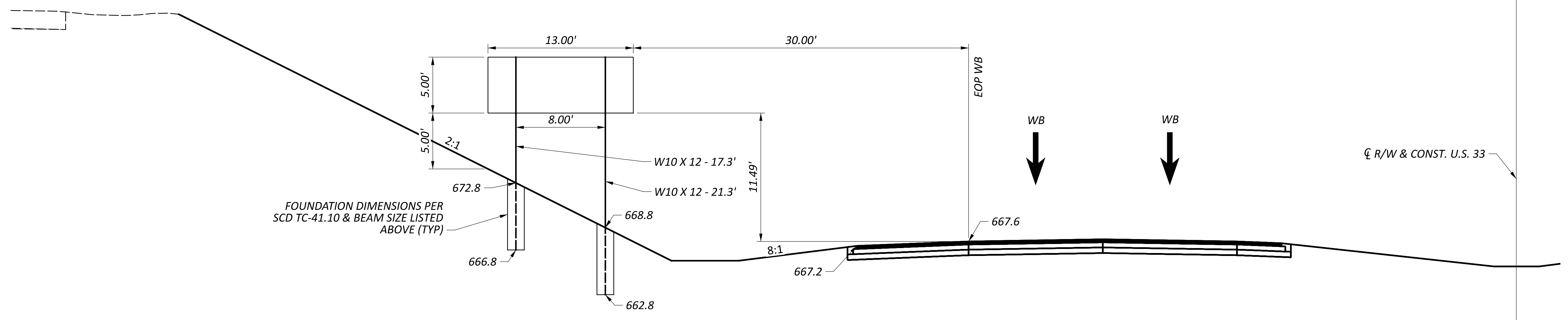
PROJECT ID
119144

SHEET TOTAL
P.763 940

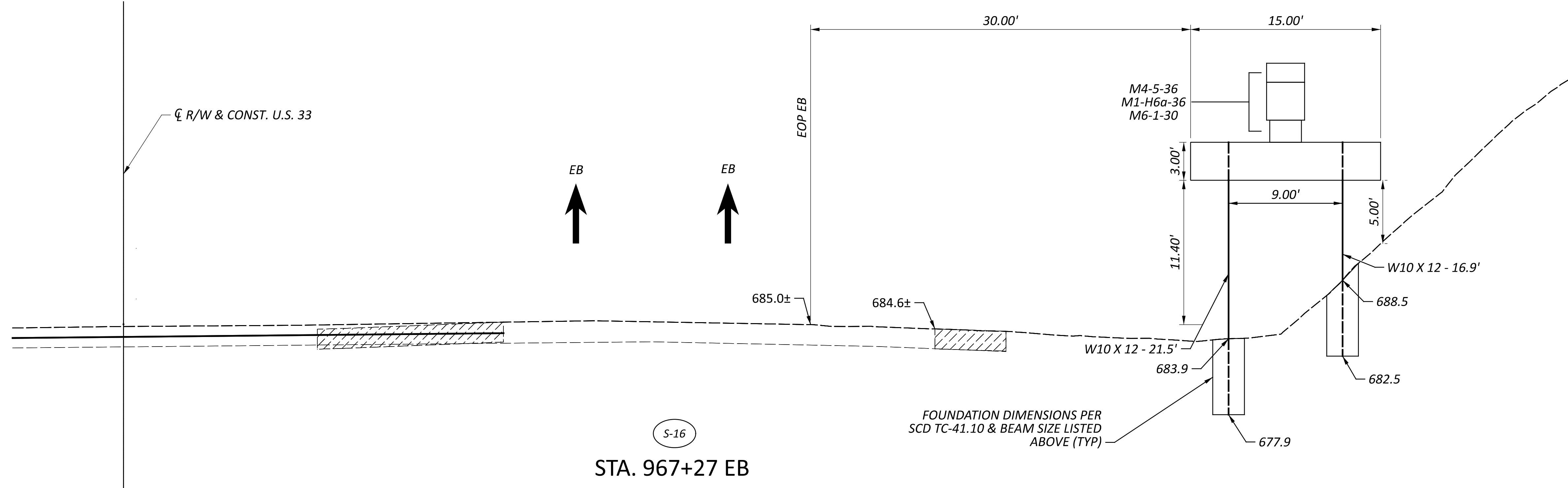
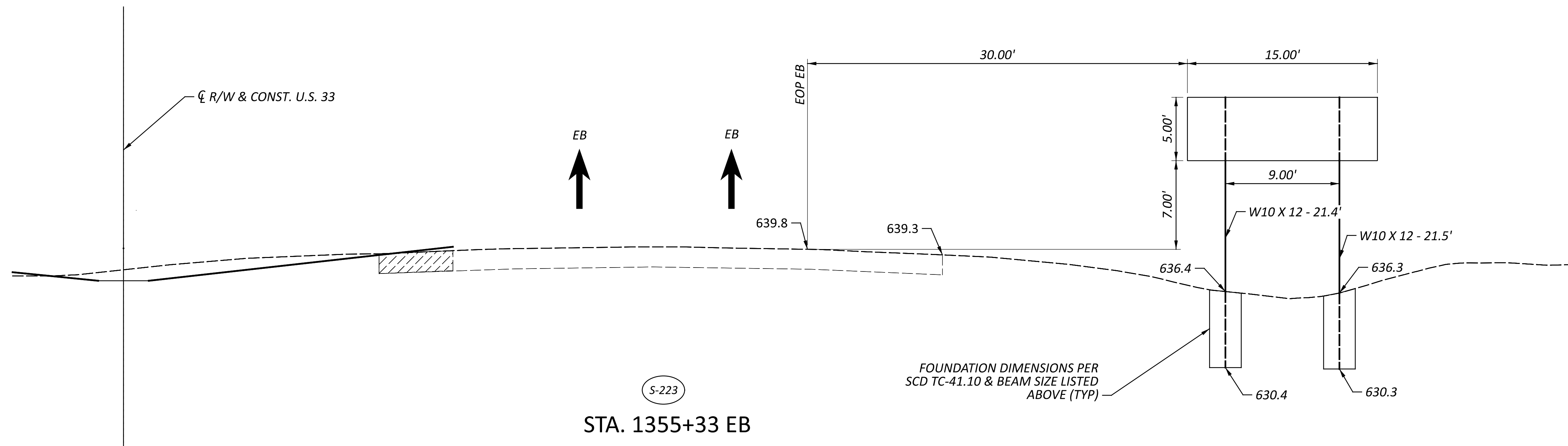


S-93
STA. 1117+41 WB


SIGN ELEVATION

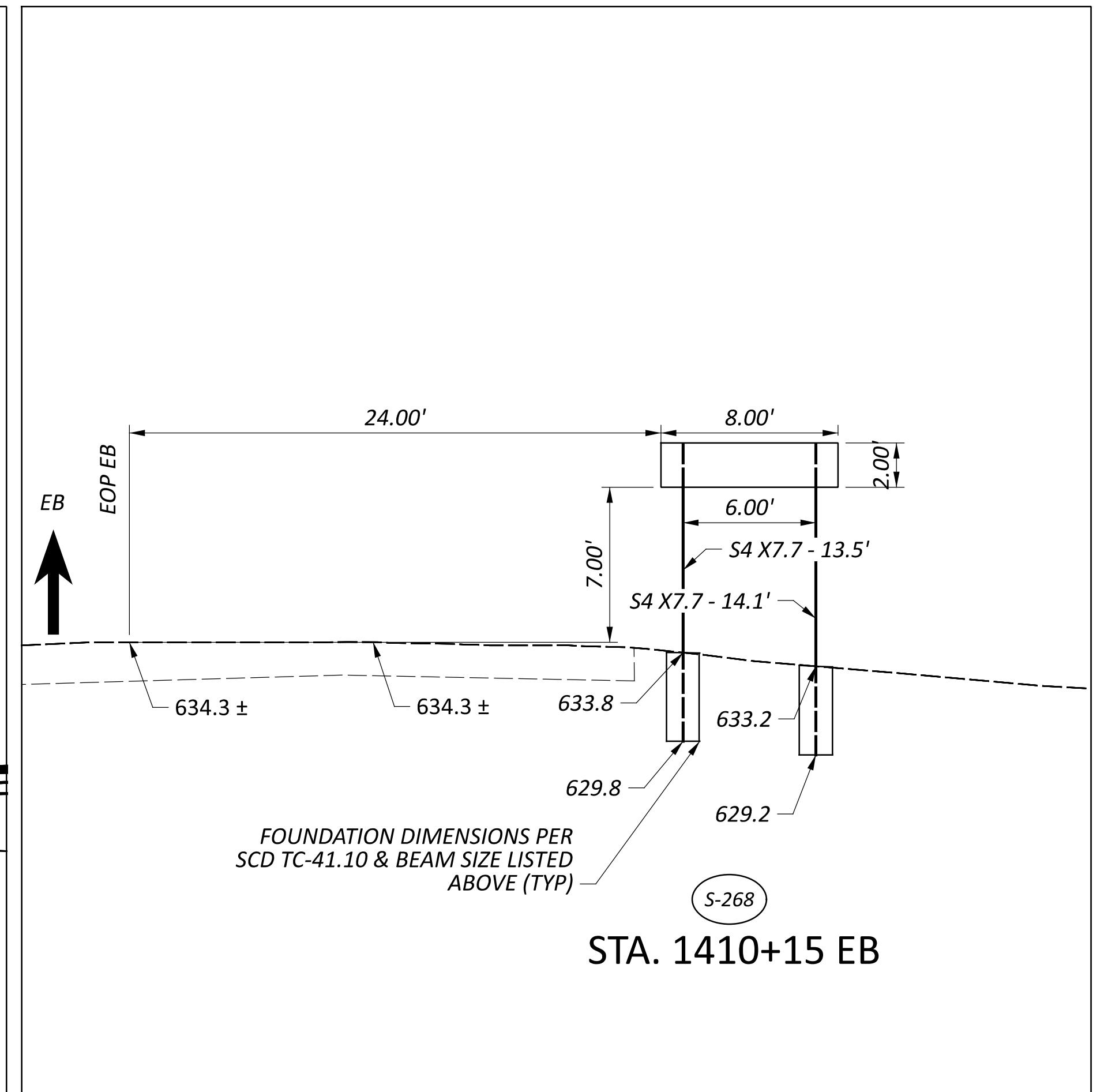
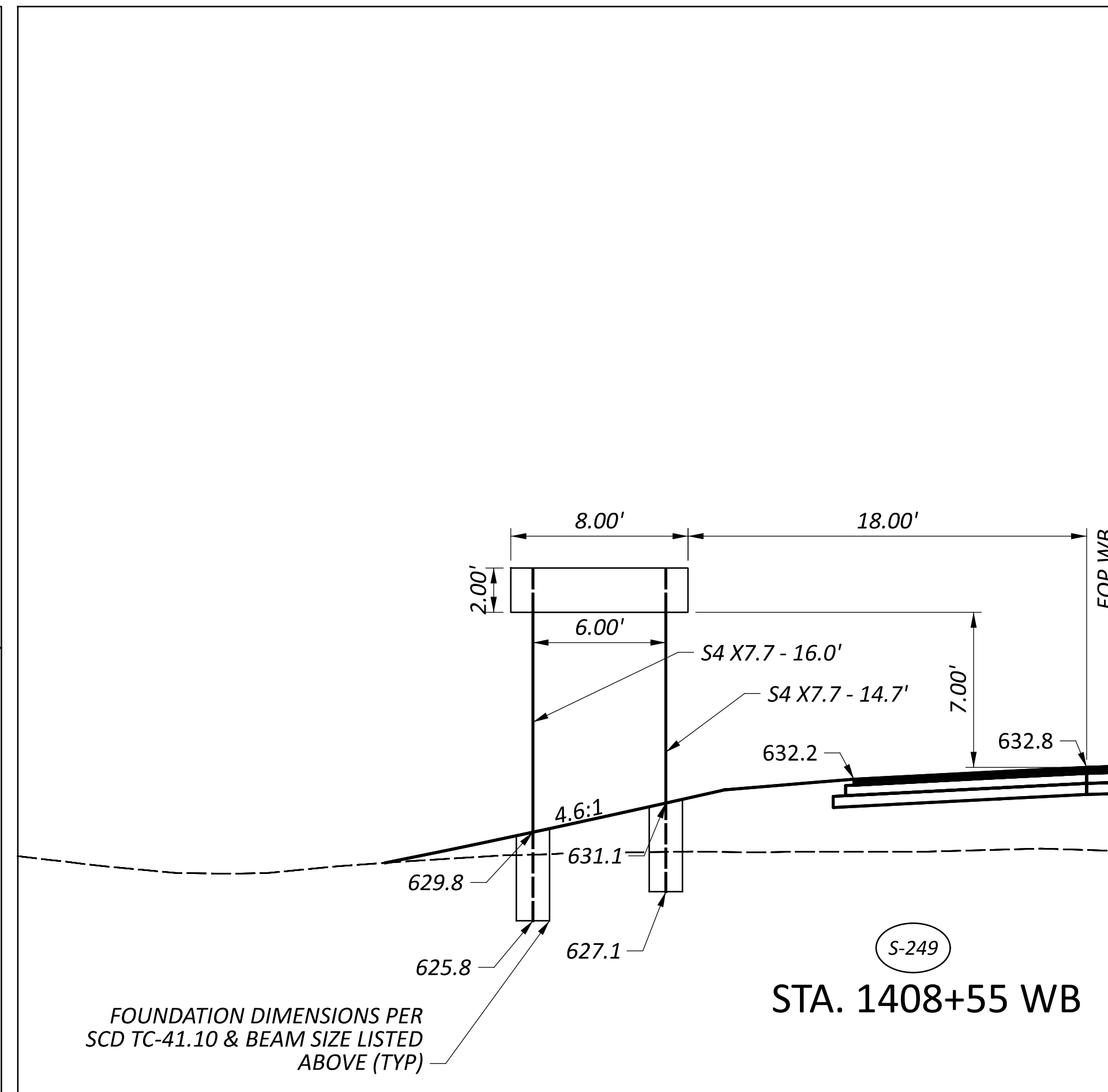
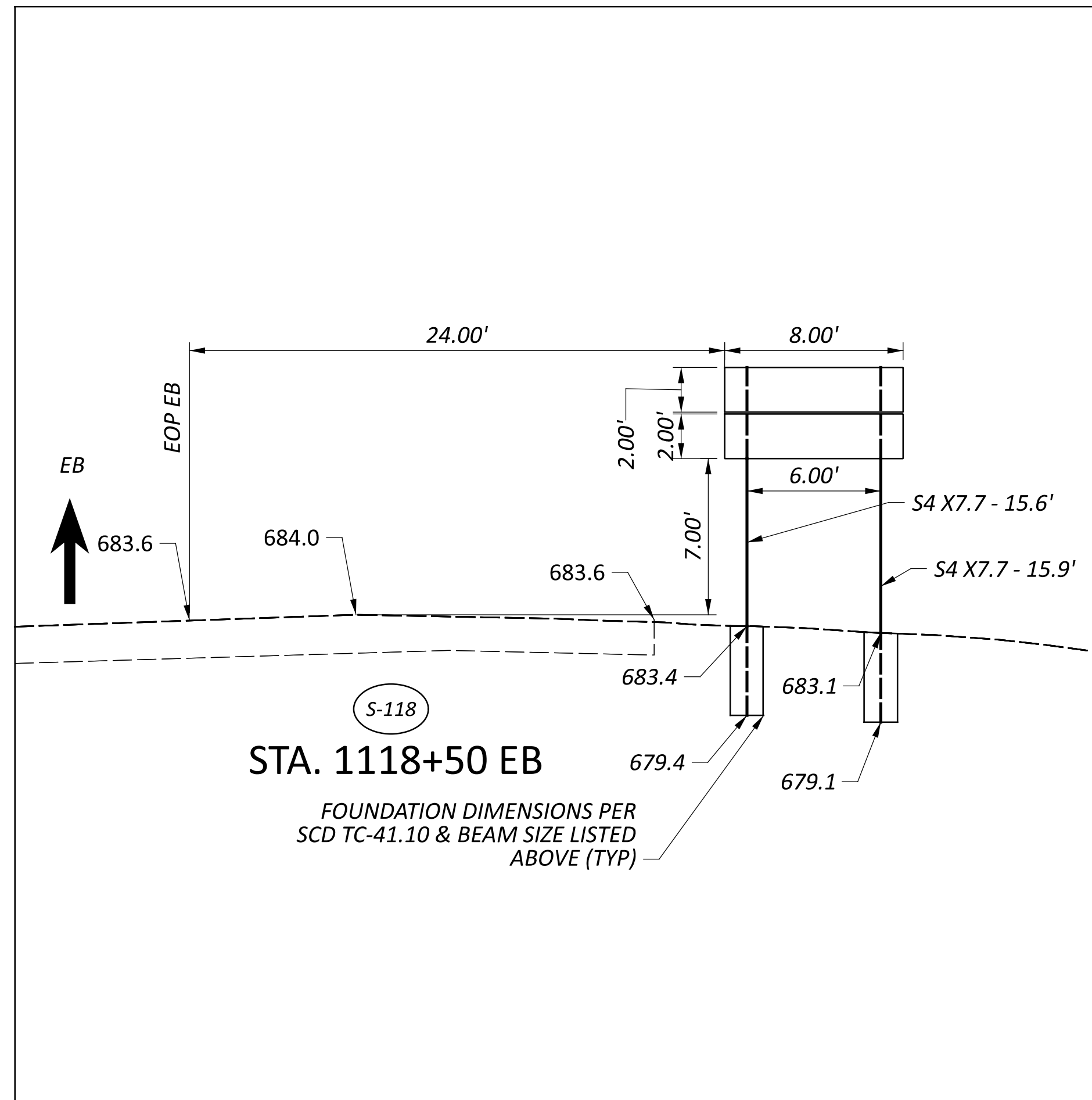
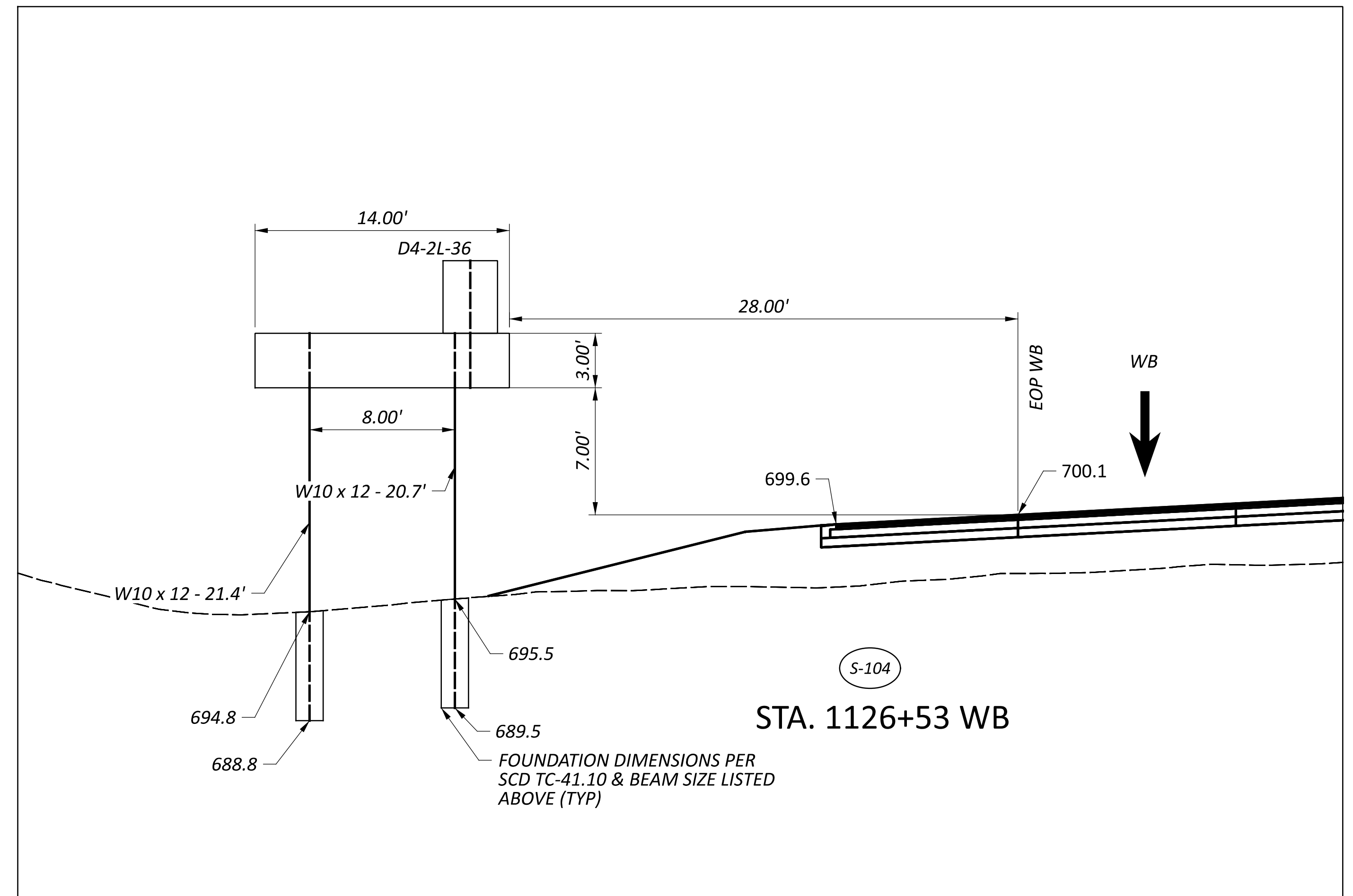
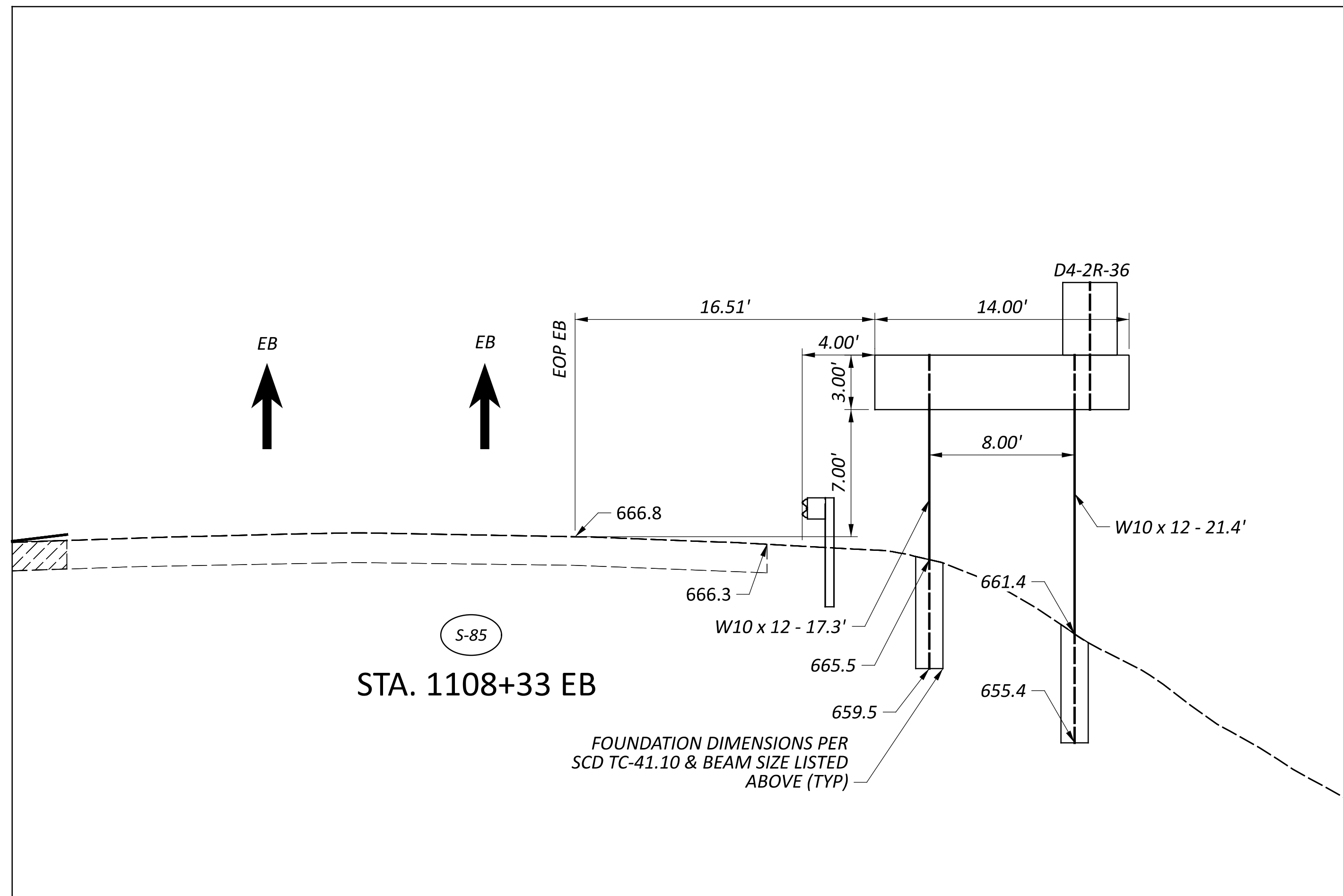


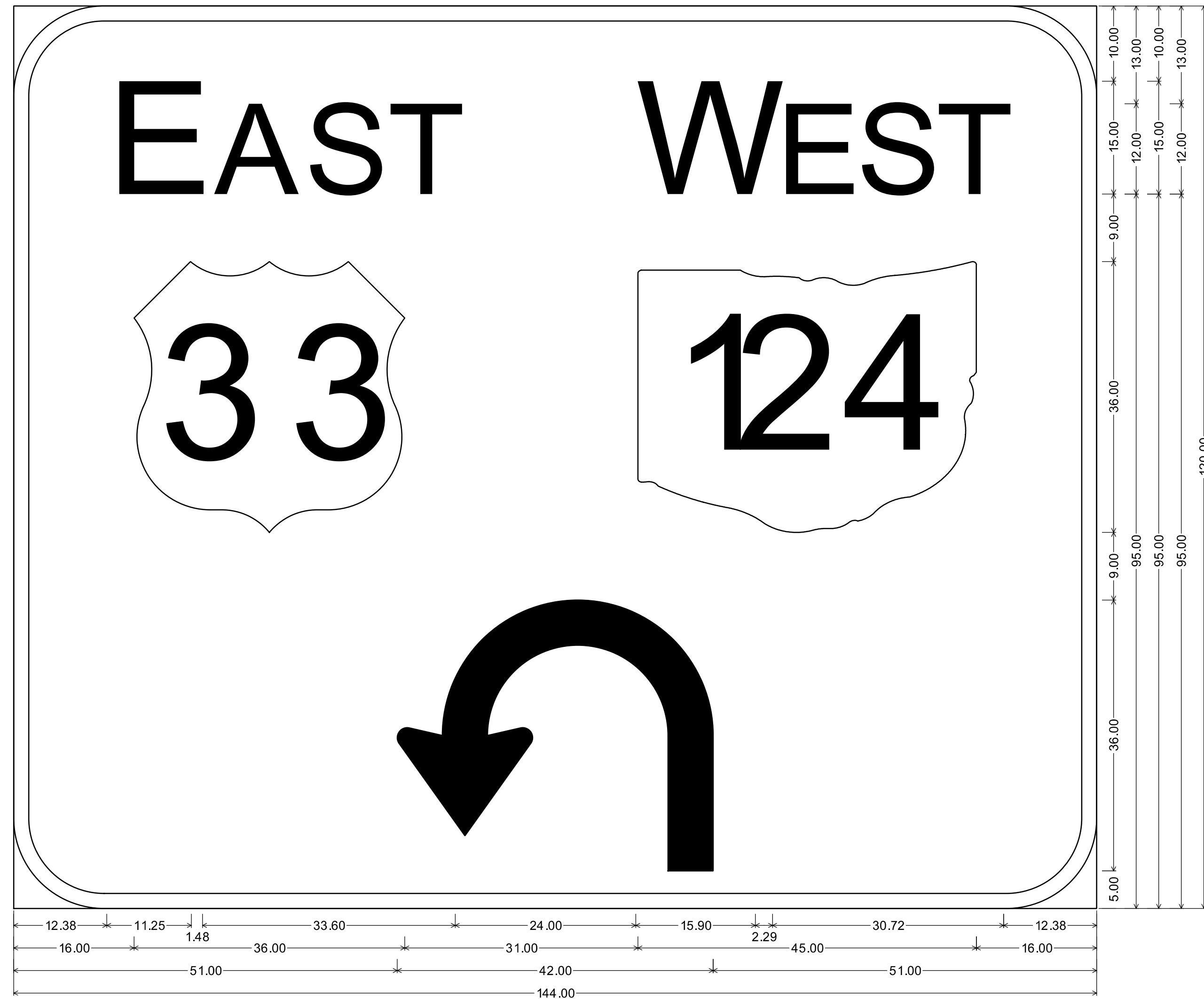
S-81
STA. 1111+38 WB



SIGN ELEVATION

DESIGN AGENCY

COMPASS
 INFRASTRUCTURE GROUP
 DESIGNER
 BSP
 REVIEWER
 JJG 11/08/24
 PROJECT ID
 119144
 SHEET TOTAL
 P.765 940

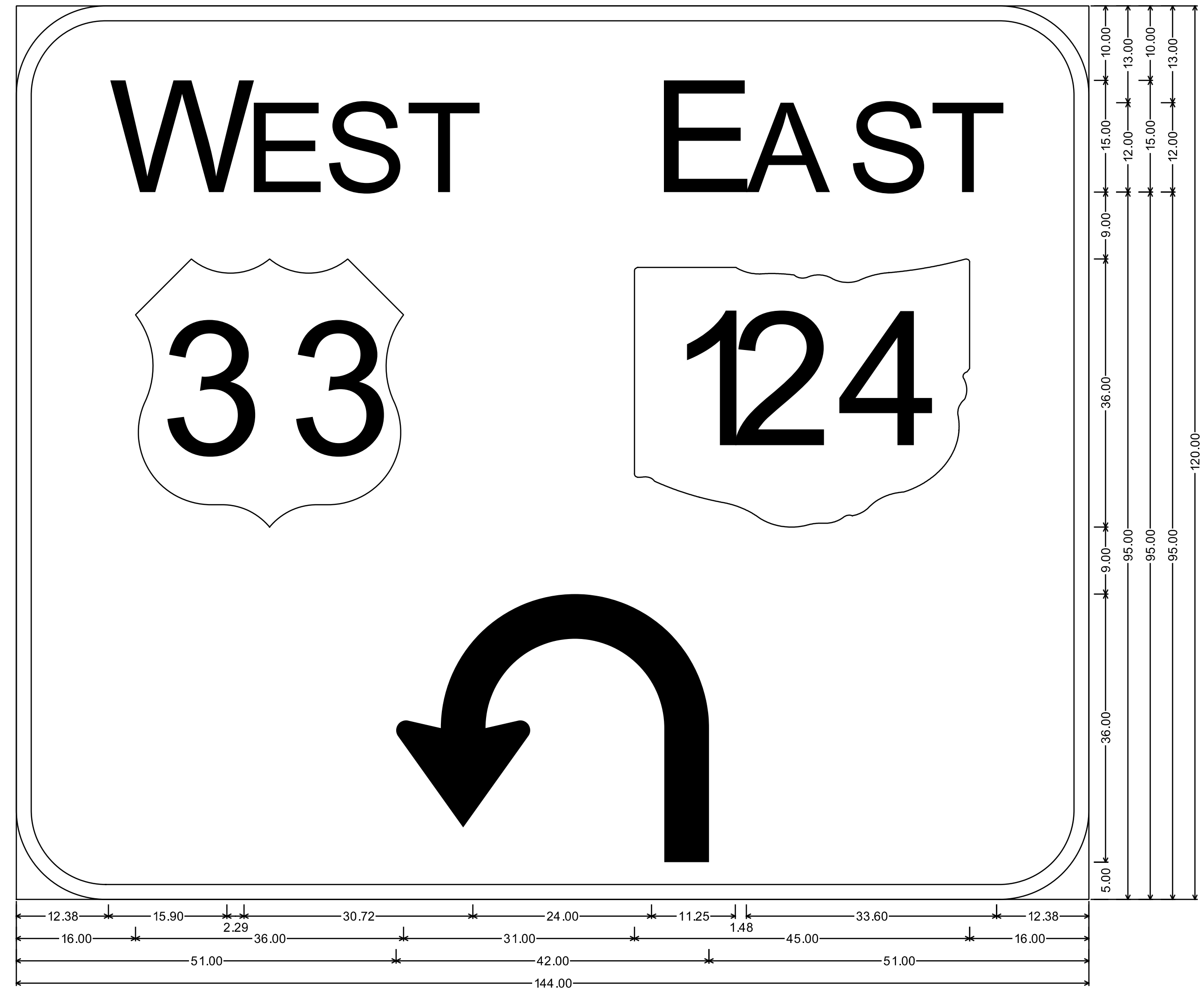




12.00" Radius, 2.00" Border, White on Green;
 "EAST", E 2K; "WEST", E 2K; US 33 M1-4; State Highway 124 M1-H5-36-3; Turn Arrow 36;

S-177

STA. 1326+00 WB

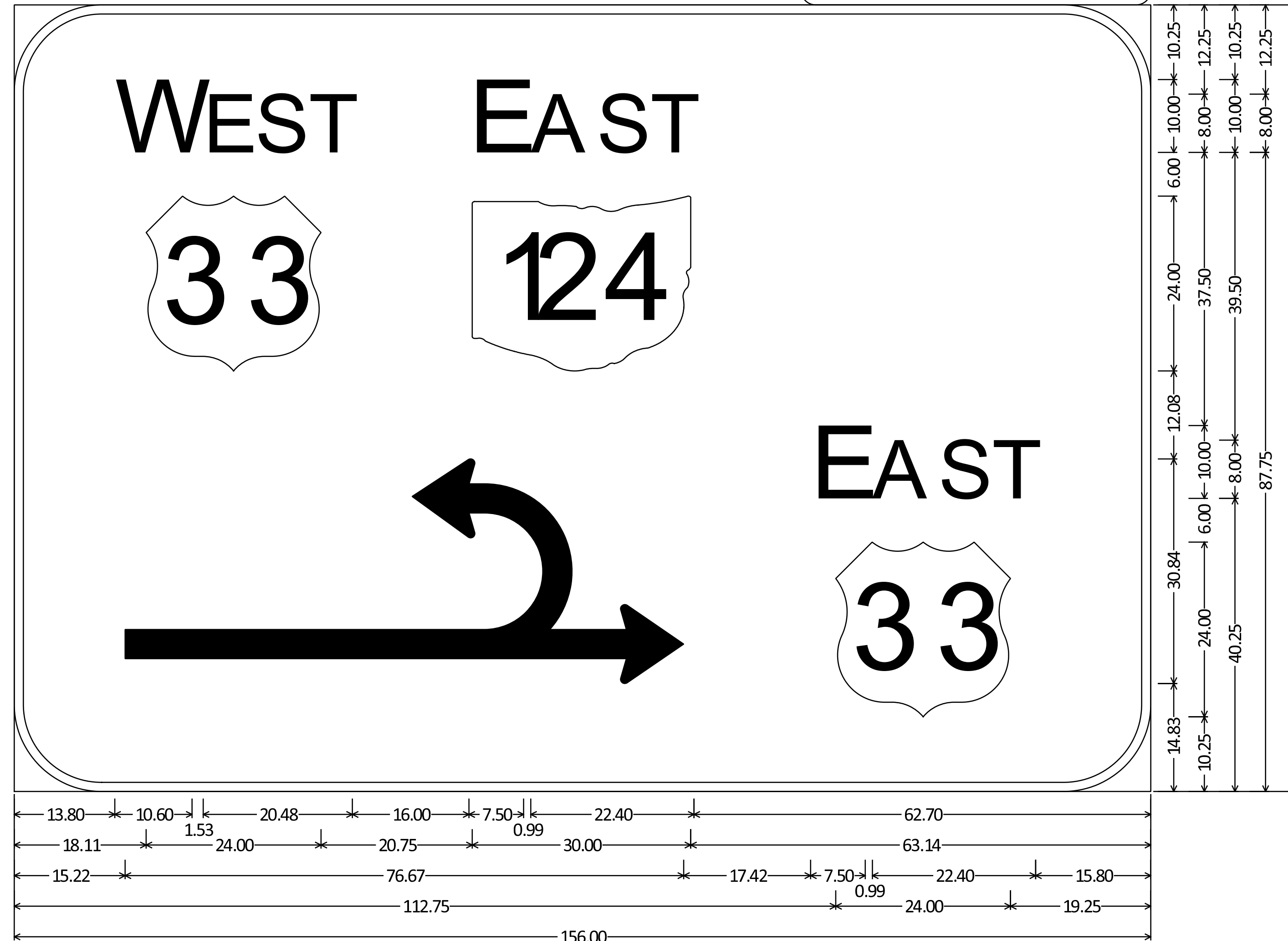
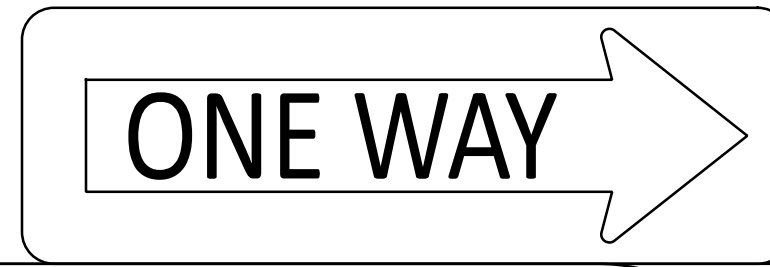


12.00" Radius, 2.00" Border, White on Green;
 "WEST", E 2K; "EAST", E 2K; US 33 M1-4; State Highway 124 M1-H5-36-3; Turn Arrow 36;

S-222

STA. 1334+50 EB

R6-1R-36

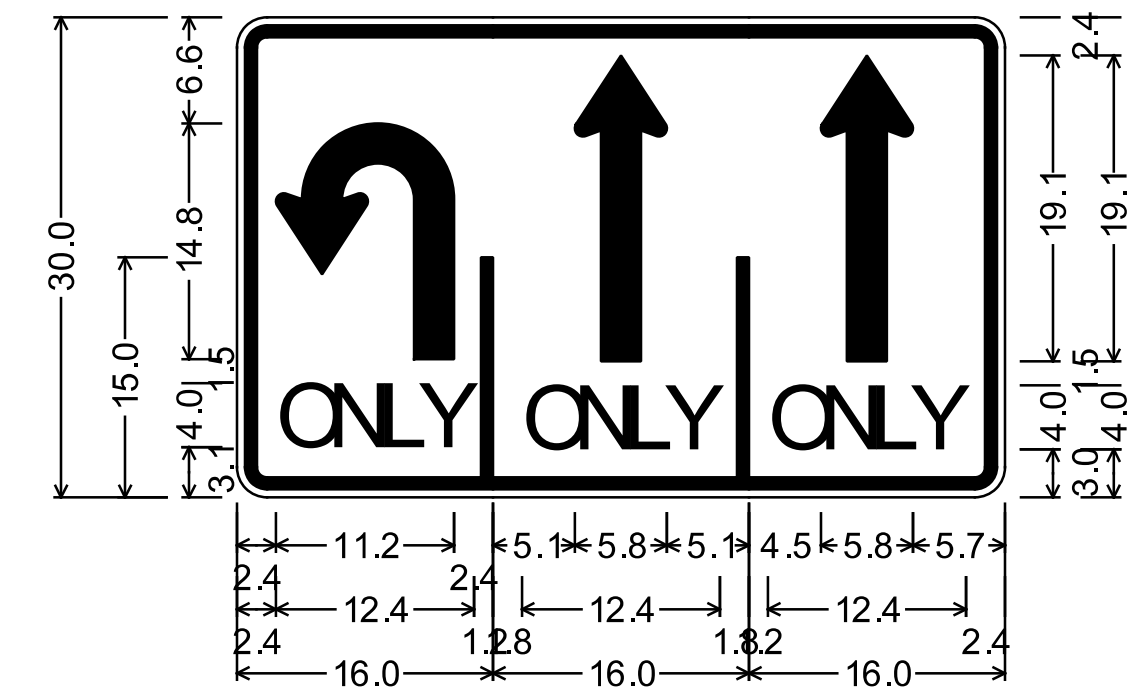


12.00" Radius, 1.25" Border, White on Green;
 "WEST", E 2K; "EAST", E 2K; US 33 M1-4; State Highway 124 M1-H5-24-3; Michigan Left Turn A8; "EAST", E 2K; US 33 M1-4;

S-206

STA. 1331+11 WB

R3-H8ca-MOD-48



1.9" Radius, 0.8" Border, 0.5" Indent, LaneMarker height: 13.8 LaneMarker width: 0.8Black on White;
 Turn Arrow Custom;
 "ONLY", D 2K specified length;

1.9" Radius, 0.8" Border, 0.5" Indent, LaneMarker height: 13.8 LaneMarker width: 0.8Black on White;
 Arrow Custom - 19.1" 90°;
 "ONLY", D 2K specified length;

1.9" Radius, 0.8" Border, 0.5" Indent, Black on White;
 Arrow Custom - 19.1" 90°;
 "ONLY", D 2K specified length;

Table of letter and object lefts

↓	2.4			
O	N	L	Y	
2.4	5.7	8.8	11.4	
↑	5.1			
O	N	L	Y	
1.8	5.0	8.2	10.8	
↑	4.5			
O	N	L	Y	
1.2	4.4	7.5	10.1	

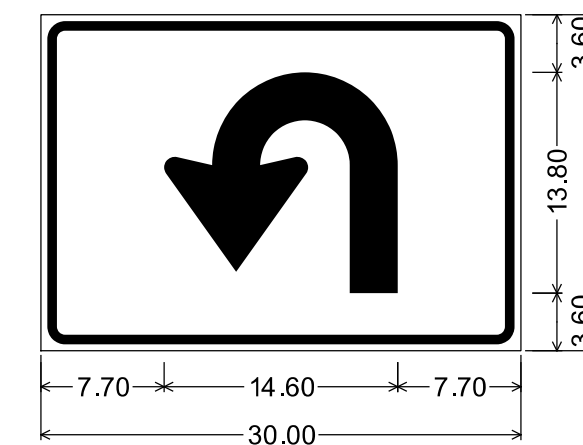
S-178 STA. 1326+57 LT/RT (WB)

S-220 STA. 1332+91 RT (EB)

S-179 STA. 1326+57 LT/RT (WB)

S-221 STA. 1332+91 CL (EB)

M6-MOD-30



1.50" Radius, 0.60" Border, 0.40" Indent, Black on White;
 Turn Arrow;

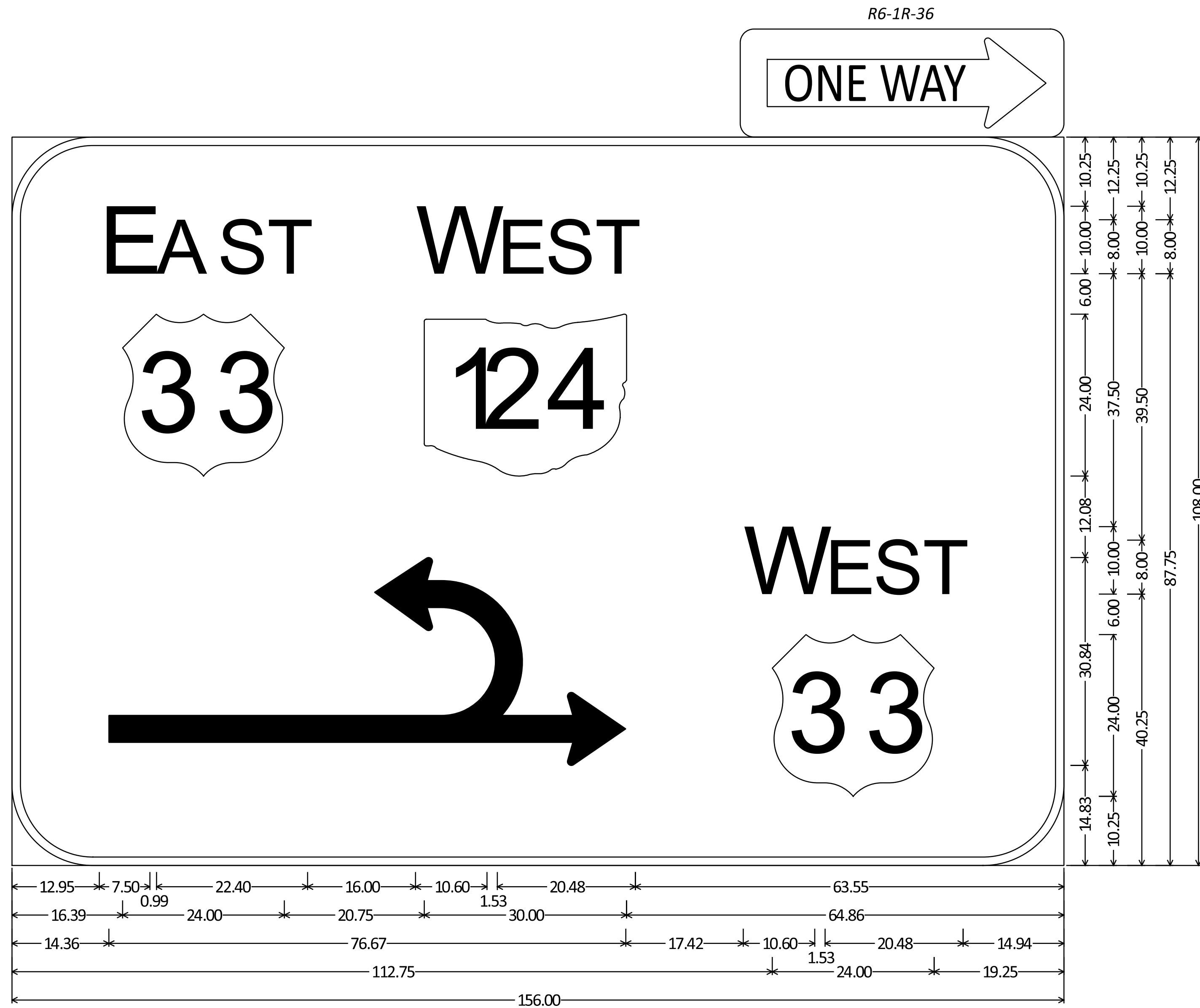
S-173 STA. 1324+55 LT (WB)

S-193 STA. 1327+35 RT (EB)

S-205 STA. 1334+14 LT (WB)

S-226 STA. 1337+00 RT (EB)

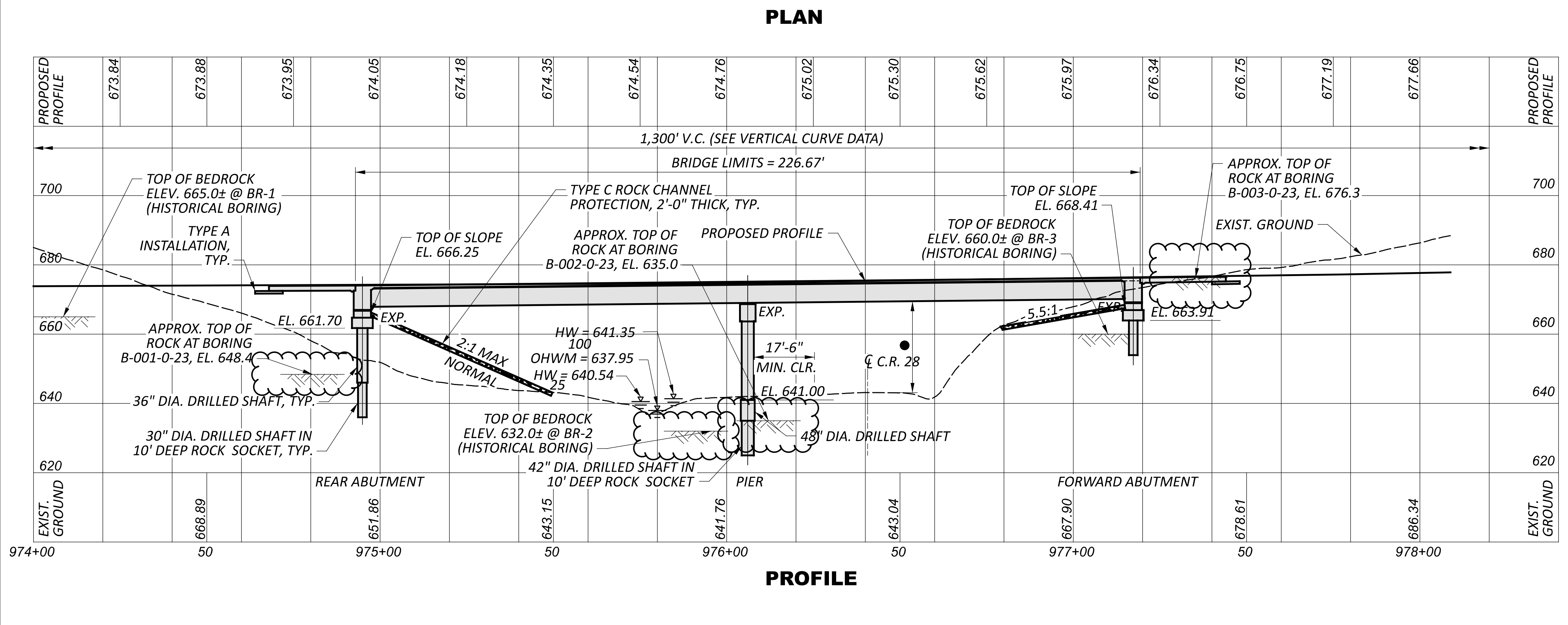
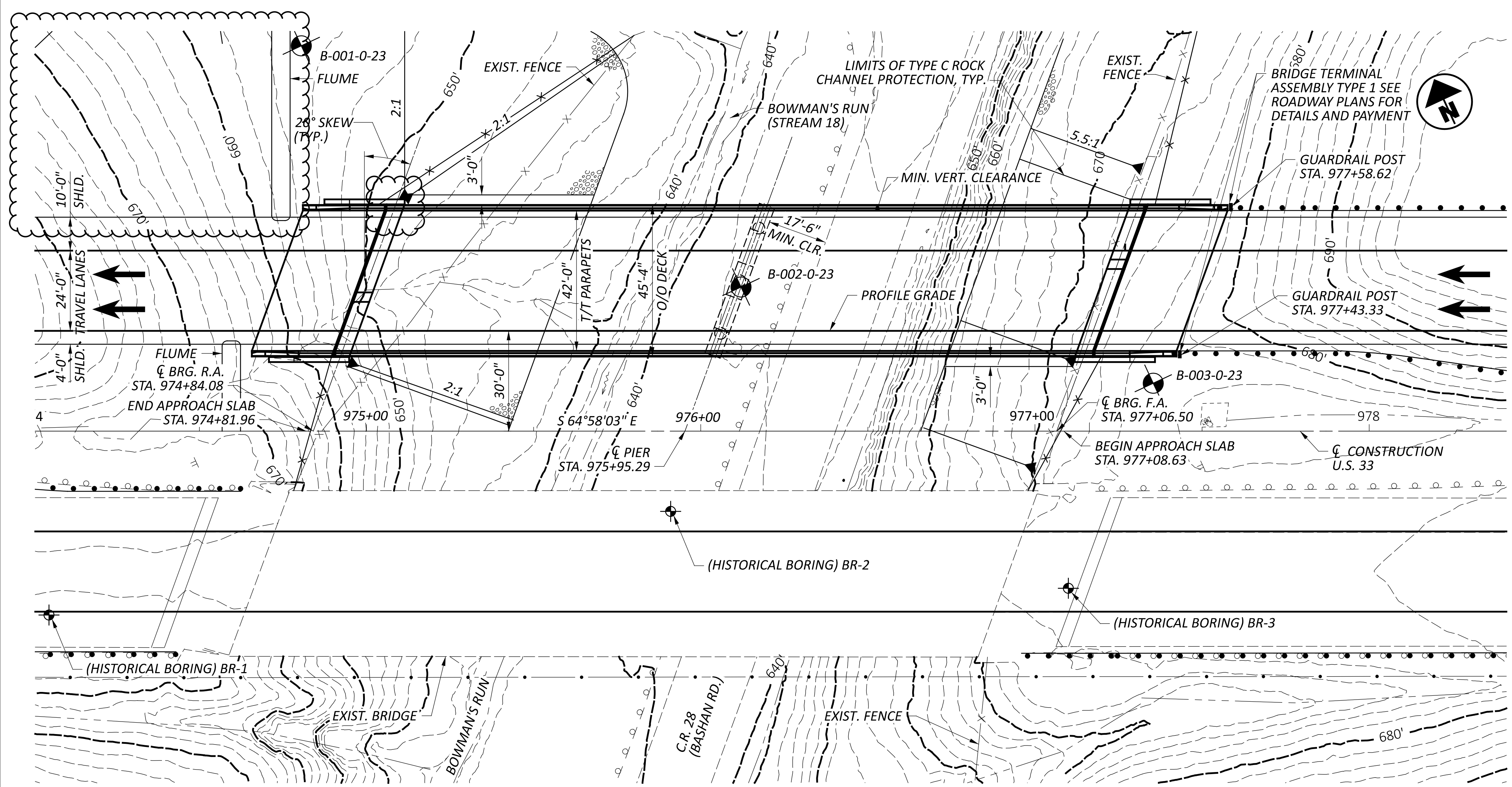




12.00" Radius, 1.25" Border, White on Green;
 "EAST", E 2K; "WEST", E 2K; US 33 M1-4; State Highway 124 M1-H5-24-3; Michigan Left Turn A8; "WEST", E 2K; US 33 M1-4;

S-218

STA. 1330+52 EB



BENCHMARK DATA

SV5053 STA.	963+00.120	ELEV.	697.630	OFFSET	0.002'	LT.
SV5069 STA.	1015+00.174	ELEV.	776.621	OFFSET	0.125'	RT.
SV5072 STA.	1028+00.069	ELEV.	781.554	OFFSET	0.443'	RT.
SV5073 STA.	1032+99.732	ELEV.	777.977	OFFSET	0.325'	RT.

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET

NOTES
 EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
 2028 ADT = 3410 2028 ADTT = 887
 2048 ADT = 4015 2028 ADTT = 1044
 WESTBOUND TRAFFIC ONLY CARRIED ON BRIDGE

LEGEND
 ◉ BORING LOCATION
 ● 14'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
 ● 27'-1 1/2" ACTUAL MINIMUM VERTICAL CLEARANCE

HYDRAULIC DATA
 DRAINAGE AREA = 0.28 SQ. MILES
 Q (25) = 196 CFS V (25) = 5.82 FT/S
 Q (100) = 303 CFS V (100) = 6.64 FT/S
 STRUCTURE CLEARS THE 25 YEAR DESIGN HW BY 27.17 FEET.

VERTICAL CURVE DATA

LENGTH = 1,300'

PVC STA.	967+50.00	PVC ELEV.	684.29
PVI STA.	974+00.00	PVI ELEV.	663.49
PVT STA.	980+50.00	PVT ELEV.	684.03
G1	-3.20%		
G2	3.16%		

PROPOSED STRUCTURE

TYPE: PRESTRESSED CONCRETE I-BEAMS (WF60-49) WITH COMPOSITE CONCRETE DECK SUPPORTED BY SEMI-INTEGRAL ABUTMENTS ON DRILLED SHAFTS SOCKETED INTO BEDROCK.

SPANS: 110'-1 1/2" - 110'-1 1/2" MEASURED C/C OF BEARINGS

ROADWAY: 42'-0" TOE/TOE PARAPET

VEHICULAR LIVE LOAD: HL-93

FUTURE WEARING SURFACE: 0.060 KIP/FT²

SKEW: 20°00'00" LEFT FORWARD

WEARING SURFACE: 1" MONOLITHIC WEARING SURFACE

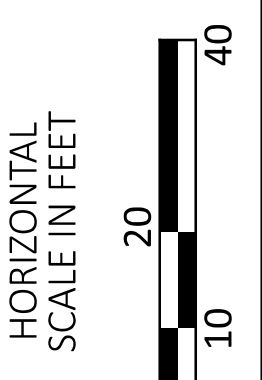
APPROACH SLABS: 25'-0" LONG (AS-1-15, AS-2-15) (15") TYPE A INSTALLATION

ALIGNMENT: TANGENT

CROWN: 0.016 FT/FT

DECK AREA: 10275 SF

COORDINATES: LATITUDE 39°00'04.40"
 LONGITUDE -81°53'17.76"



SITE PLAN
 BRIDGE NO. MEG-00033-19.462
 U.S. 33 OVER BOWMAN'S RUN AND C.R. 28 (BASHAN ROAD)

SFN 5300000

DESIGN AGENCY

Stantec
 1500 LAKE SHORE DRIVE, SUITE 100
 COLUMBUS, OH 43204
 (614) 486-4383

DESIGNER	CHECKER
TRK	EDA
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
1	24
SHEET	TOTAL
P.795	940

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

- AS-1-15 REVISED 01-20-23
- AS-2-15 REVISED 07-21-23
- PSID-1-13 REVISED 07-19-24
- SBR-1-20 REVISED 07-19-24
- SICD-2-14 REVISED 01-15-21

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):

- 800 DATED 07-19-24
- 846 DATED 04-17-15
- 894 DATED 04-16-21

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO THE 9TH EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

OPERATIONAL IMPORTANCE

A LOAD MODIFIER OF 1.0 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN LOADING

DESIGN LOADING INCLUDES:
 VEHICULAR LIVE LOAD: HL-93
 FUTURE WEARING SURFACE (FWS) OF 0.060 KIPS/SQ.FT

DESIGN DATA

CONCRETE CLASS QC2 WITH QC/QA
 COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 WITH QC/QA
 COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE CLASS QC5 WITH 1IN. MAX. AGGREGATE SIZE:
 COMPRESSIVE STRENGTH 4.0 KSI (DRILLED SHAFTS)

CONCRETE REINFORCEMENT:
 EPOXY COATED STEEL REINFORCEMENT
 MINIMUM YIELD STRENGTH 60-KSI (DECK, ABUTMENTS, PIERS)

GFRP REINFORCEMENT
 C&MS 705.28 (MODULUS = 8,700 KSI) (BRIDGE RAILING)

CONCRETE FOR PRESTRESSED BEAMS:
 COMPRESSIVE STRENGTH (FINAL) - 7 KSI
 COMPRESSIVE STRENGTH (RELEASE) - 5 KSI

WELDED WIRE FABRIC:
 YIELD STRENGTH - 70 KSI

PRESTRESSING STRAND:
 DIAMETER = 0.60 INCH
 AREA = 0.217 SQ.IN.
 ULTIMATE STRENGTH = 270 KSI
 INITIAL STRESS = 202.5 KSI
 (LOW RELAXATION STRANDS)

MONOLITHIC WEARING SURFACE

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

SHAFT DRILLING CONSTRAINTS

PRIOR TO DRILLING SHAFTS, CONSTRUCT THE SPILL THROUGH SLOPES AND THE BRIDGE APPROACH EMBANKMENT BEHIND THE ABUTMENTS UP TO THE LEVEL OF THE SUBGRADE ELEVATION FOR A MINIMUM DISTANCE OF 200 FEET BEHIND EACH ABUTMENT. DO NOT BEGIN THE EXCAVATION FOR THE ABUTMENT FOOTINGS AND THE DRILLING OF THE ABUTMENT SHAFTS UNTIL AFTER THE ABOVE REQUIRED EMBANKMENT HAS BEEN CONSTRUCTED AND A 94 CALENDAR DAY WAITING PERIOD HAS ELAPSED. THE ENGINEER MAY ADJUST THE LENGTH OF THE WAITING PERIOD BASED ON SETTLEMENT PLATFORM READINGS.

ROCK-SOCKETED DRILLED SHAFTS

THE MAXIMUM FACTORED LOAD TO BE SUPPORTED BY EACH DRILLED SHAFT IS 1326 KIPS AT THE PIER. THIS LOAD IS RESISTED BY A PORTION OF TIP RESISTANCE AND SIDE RESISTANCE ASSUMED TO ACT ALONG THE BOTTOM 8 FEET OF THE BEDROCK SOCKET. THE FACTORED TIP RESISTANCE IS 317 KIPS, THE FACTORED SIDE RESISTANCE IS 1906 KIPS AND THE COMBINED FACTORED RESISTANCE IS 2223 KIPS.

THE MAXIMUM FACTORED LOAD TO BE SUPPORTED BY EACH DRILLED SHAFT IS 846 KIPS AT THE REAR ABUTMENT AND THE FORWARD ABUTMENT. THIS LOAD IS RESISTED BY TIP RESISTANCE ONLY. AT THE REAR ABUTMENT, FACTORED TIP RESISTANCE IS 4511 KIPS. AT THE FORWARD ABUTMENT, FACTORED TIP RESISTANCE IS 4497 KIPS.

LATERALLY LOADED DRILLED SHAFTS

AT THE ABUTMENTS, THE MAXIMUM FACTORED LATERAL LOAD AND BENDING MOMENT TO BE SUPPORTED BY EACH DRILLED SHAFT IS 39 KIPS, AND 90 KIP-FEET, RESPECTIVELY. THESE LOADS PRODUCE A MAXIMUM FACTORED BENDING MOMENT OF 382 KIP-FEET, AND A MAXIMUM FACTORED SHEAR OF 120 KIPS, WITHIN THE DRILLED SHAFT. AT THE PIER, THE MAXIMUM FACTORED LATERAL LOAD AND BENDING MOMENT TO BE SUPPORTED BY EACH DRILLED SHAFT IS 24 KIPS, AND 914 KIP-FEET, RESPECTIVELY. THESE LOADS PRODUCE A MAXIMUM FACTORED BENDING MOMENT OF 958 KIP-FEET, AND A MAXIMUM FACTORED SHEAR OF 486 KIPS, WITHIN THE DRILLED SHAFT.

ITEM 894 - THERMAL INTEGRITY PROFILER (T.I.P.) TEST

PERFORM INTEGRITY TESTING ON 1 OF THE DRILLED SHAFTS AT THE PIER AND EACH ABUTMENT BY THERMAL INTEGRITY PROFILING (TIP). PERFORM TIP TESTING PER ASTM D7949, "STANDARD TEST METHODS FOR THERMAL INTEGRITY PROFILING OF CONCRETE DEEP FOUNDATIONS," METHOD B, AND PER SUPPLEMENTAL SPECIFICATION 894.

EACH DRILLED SHAFT TO BE TESTED SHALL HAVE WIRE CABLES EQUALLY SPACED AROUND THE SHAFT IN ACCORDANCE WITH SS 894 BASED ON THE DIAMETER OF THE SHAFT ABOVE BEDROCK. EACH CABLE WILL HAVE EMBEDDED THERMAL SENSORS SPACED AT 12" ALONG THE SHAFT STARTING 6" FROM THE BOTTOM OF THE ROCK SOCKET AND ENDING WITHIN 12" OF THE TOP OF THE DRILLED SHAFT.

DECK PLACEMENT DESIGN ASSUMPTIONS

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 2.5 KIPS.

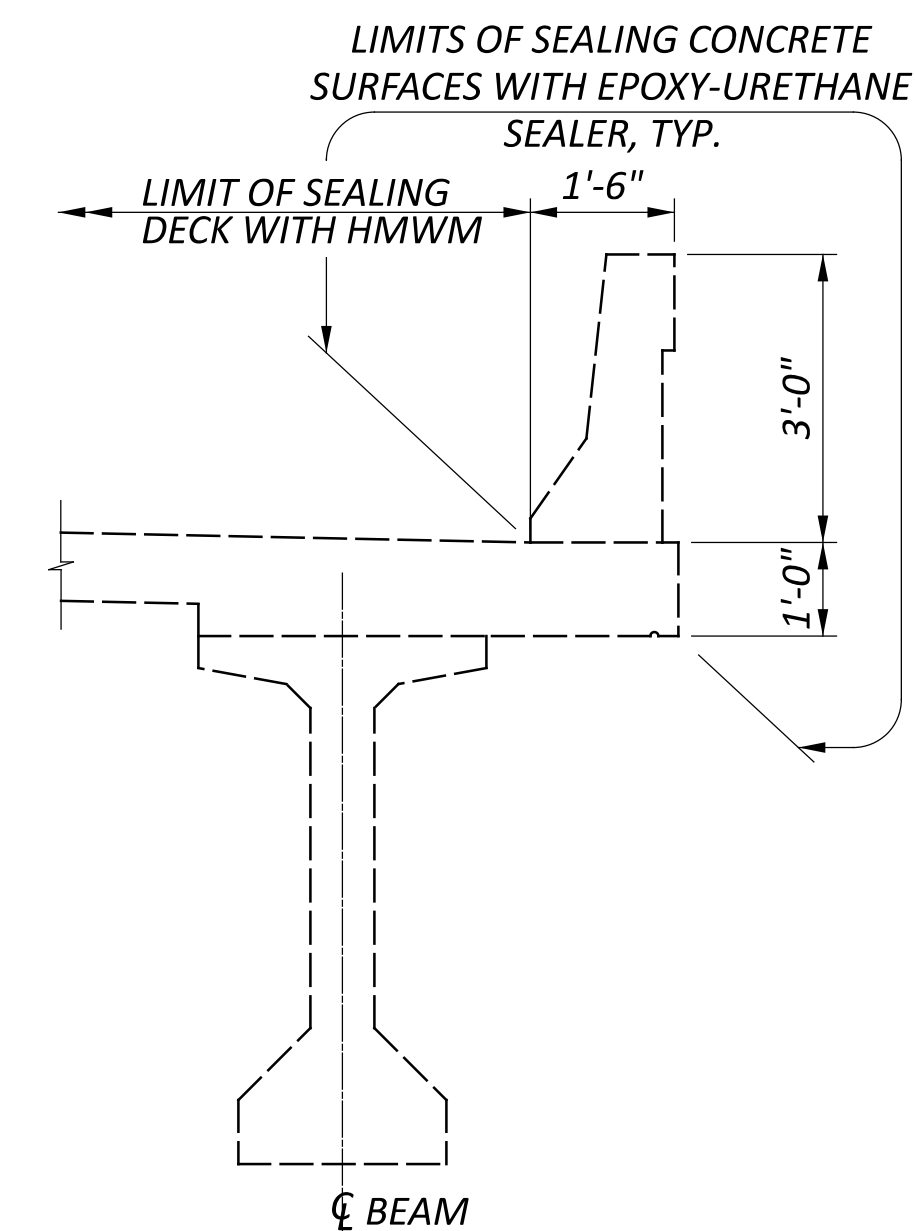
A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103 INCHES.

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF 48 INCHES.

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA GIRDER TO THE FACE OF THE SAFETY HANDRAIL OF 65 INCHES.

ABBREVIATIONS:

- APPROX. - APPROXIMATE
- BM - BENCHMARK
- BRG. - BEARING
- CL - CENTERLINE
- CLR. - CLEARANCE
- CONSTR. - CONSTRUCTION
- DIA. - DIAMETER
- DWG. - DRAWINGS
- EF - EACH FACE
- EL. - ELEVATION
- EXIST. - EXISTING
- EXP. - EXPANSION
- F.A. - FORWARD ABUTMENT
- FF - FAR FACE
- FWD. - FORWARD
- JT. - JOINT
- MAX. - MAXIMUM
- MIN. - MINIMUM
- NF - NEAR FACE
- O/O - OUT TO OUT
- PEJF - PREFORMED EXPANSION JOINT FILLER
- R.A. - REAR ABUTMENT
- REINF. - REINFORCED
- SHLD. - SHOULDER
- SPA. - SPACE
- STA. - STATION
- STD. - STANDARD
- TYP. - TYPICAL
- T/ - TOP OF
- T/T - TOE TO TOE
- T&B - TOP AND BOTTOM



LIMITS OF CONCRETE SEALING ON RIGHT BRIDGE (SFN 5301505)

GENERAL NOTES
 BRIDGE NO. MEG-00033-19.462
 U.S. 33 OVER BOWMAN'S RUN AND C.R. 28 (BASHAN ROAD)

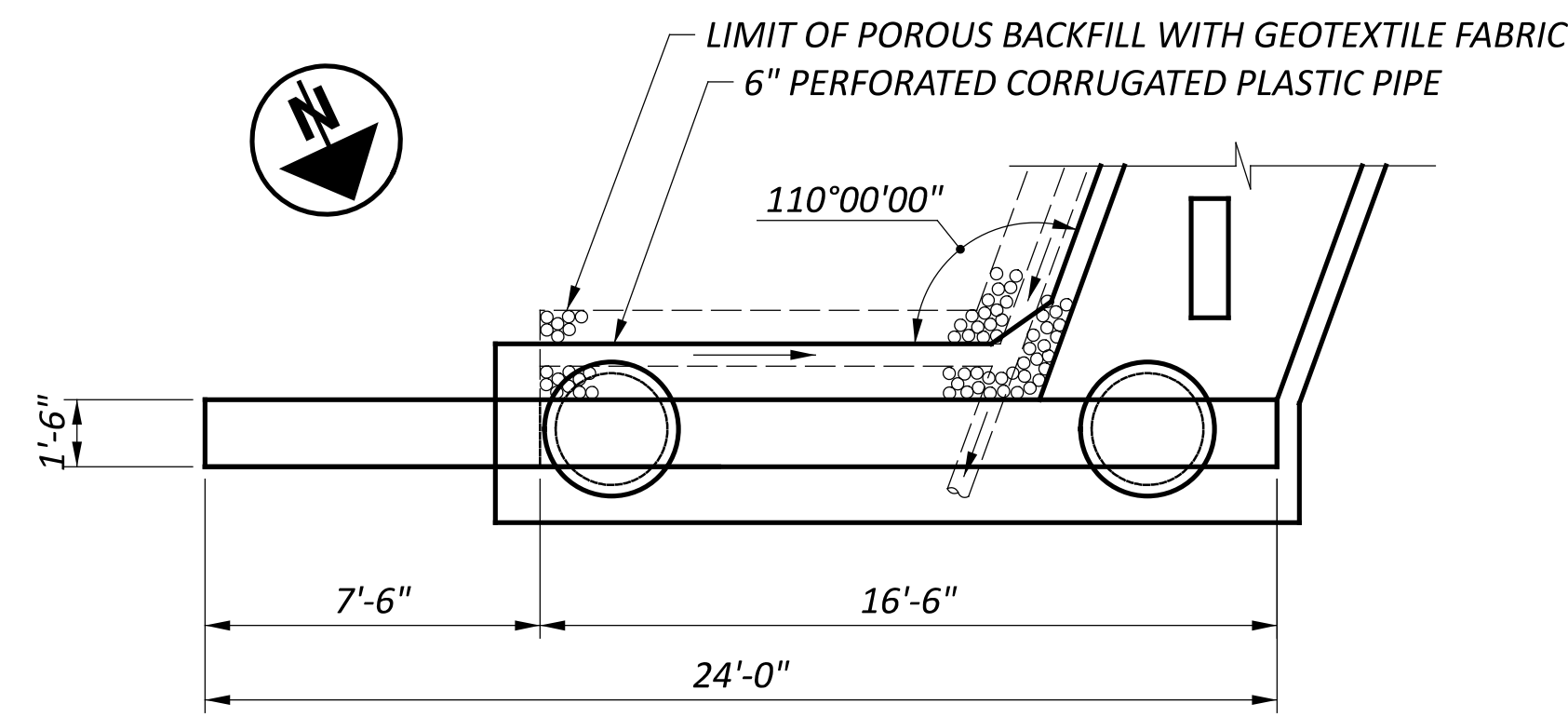
SFN 5300000	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100 COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
TRK	EDA
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
2	24
SHEET	TOTAL
P.796	940

CALCULATED BY: TRK CHECKED BY: MRS										
ITEM	EXT	TOTAL	UNIT	DESCRIPTION	REAR ABUTMENT	FORWARD ABUTMENT	PIER	SUPER	GENERAL	SEE SHEET
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-19.462 SFN 5300000) (PARTICIPATION CODE 03/NHS/08)										
503	11100	LS		COFFERDAMS AND EXCAVATION BRACING					LUMP	
503	21300	LS		UNCLASSIFIED EXCAVATION					LUMP	
503	21320			UNCLASSIFIED EXCAVATION, INCLUDING ROCK					LUMP	
509	10000	146,750	LB	EPOXY COATED STEEL REINFORCEMENT	10,887	10,913	15,250	109,700		
509	30020	7,780	FT	NO. 4 DEFORMED GFRP REINFORCEMENT				7,780		
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	1	1				
511	34447	486	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN				486		17,18 24
511	34450	69	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)				69		
511	41010	64	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS			64			
511	43512	172	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	86	86				
512	10100	1,425	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	64	64	162	1,135		
512	10300	1,058	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN				1,058		
512	33000	18	SY	TYPE 2 WATERPROOFING	9	9				
515	15110	10	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF60-49, 111'-9 1/2"				10		
515	20000	24	EACH	INTERMEDIATE DIAPHRAGMS				24		
516	13600	17	SF	1" PREFORMED EXPANSION JOINT FILLER				17		
516	13900	268	SF	2" PREFORMED EXPANSION JOINT FILLER				268		
516	14020	123	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL				123		
516	44100	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)(2.064"x11"x28")				10		
516	44101	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (2.064"x11"x30")				10		13 24
518	21200	82	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	41	41				
518	40000	140	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	70	70				
518	40010	40	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	20	20				
524	94604	120	FT	DRILLED SHAFTS, 30" DIAMETER, INTO BEDROCK	60	60				
524	94702	114	FT	DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK	96	18				
524	94804	30	FT	DRILLED SHAFTS, 42" DIAMETER, INTO BEDROCK			30			
524	94902	18	FT	DRILLED SHAFTS, 48" DIAMETER, ABOVE BEDROCK			18			
526	25011	252	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN					252	21 24
526	90010	92	FT	TYPE A INSTALLATION					92	
601	32204	407	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	249	158				
846	00110	38	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM					38	
894	10000	3	EACH	THERMAL INTEGRITY PROFILING (TIP) TEST	1	1	1			
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-19.460 SFN 5301505) (PARTICIPATION CODE 02/NHS/04)										
512	10100	408	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				408		2 24
512	10300	1,198	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN				1,198		

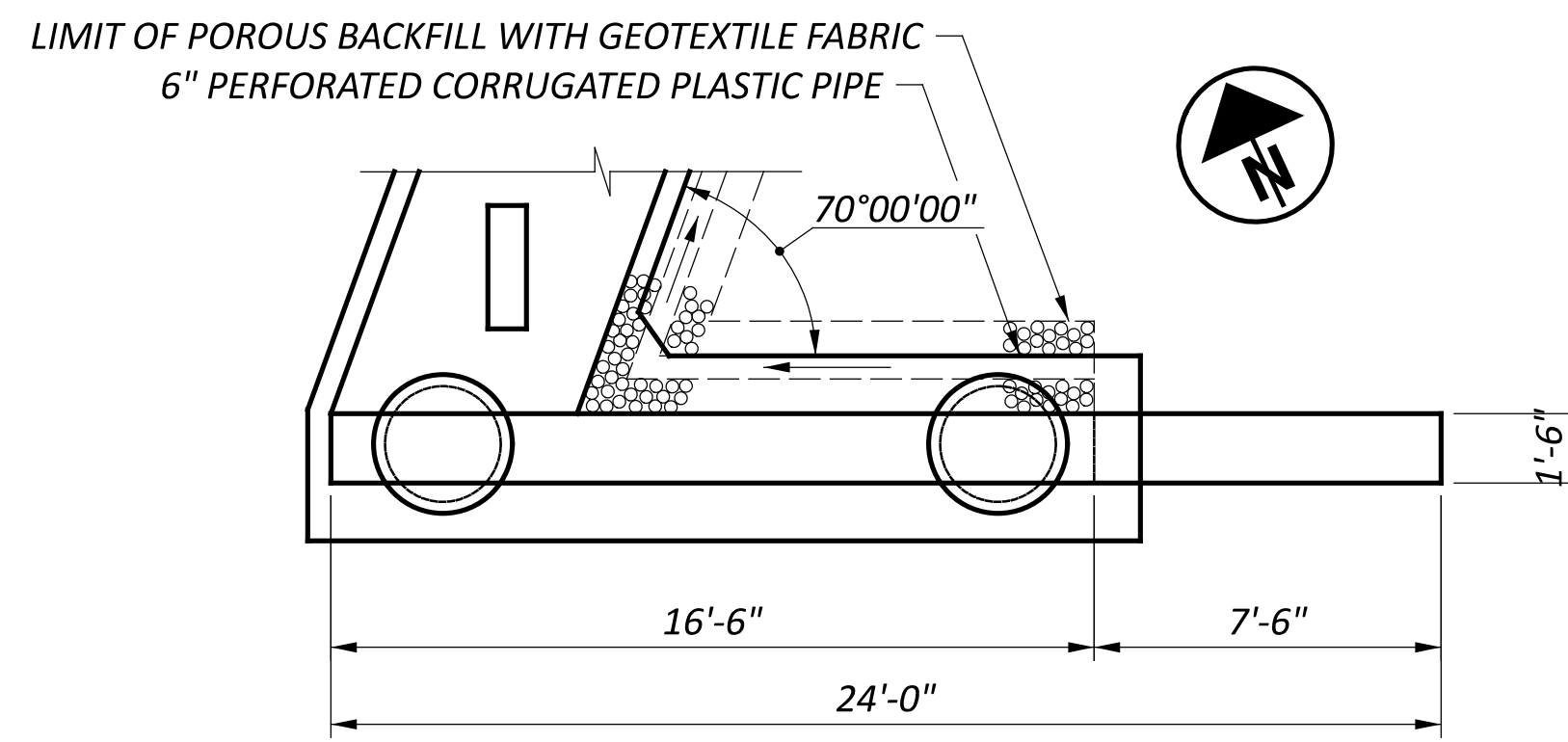
ESTIMATED QUANTITIES
 BRIDGE NO. MEG-00033-19.462
 U.S. 33 OVER BOWMAN'S RUN AND C.R. 28 (BASHAN ROAD)

SFN 5300000
 DESIGN AGENCY

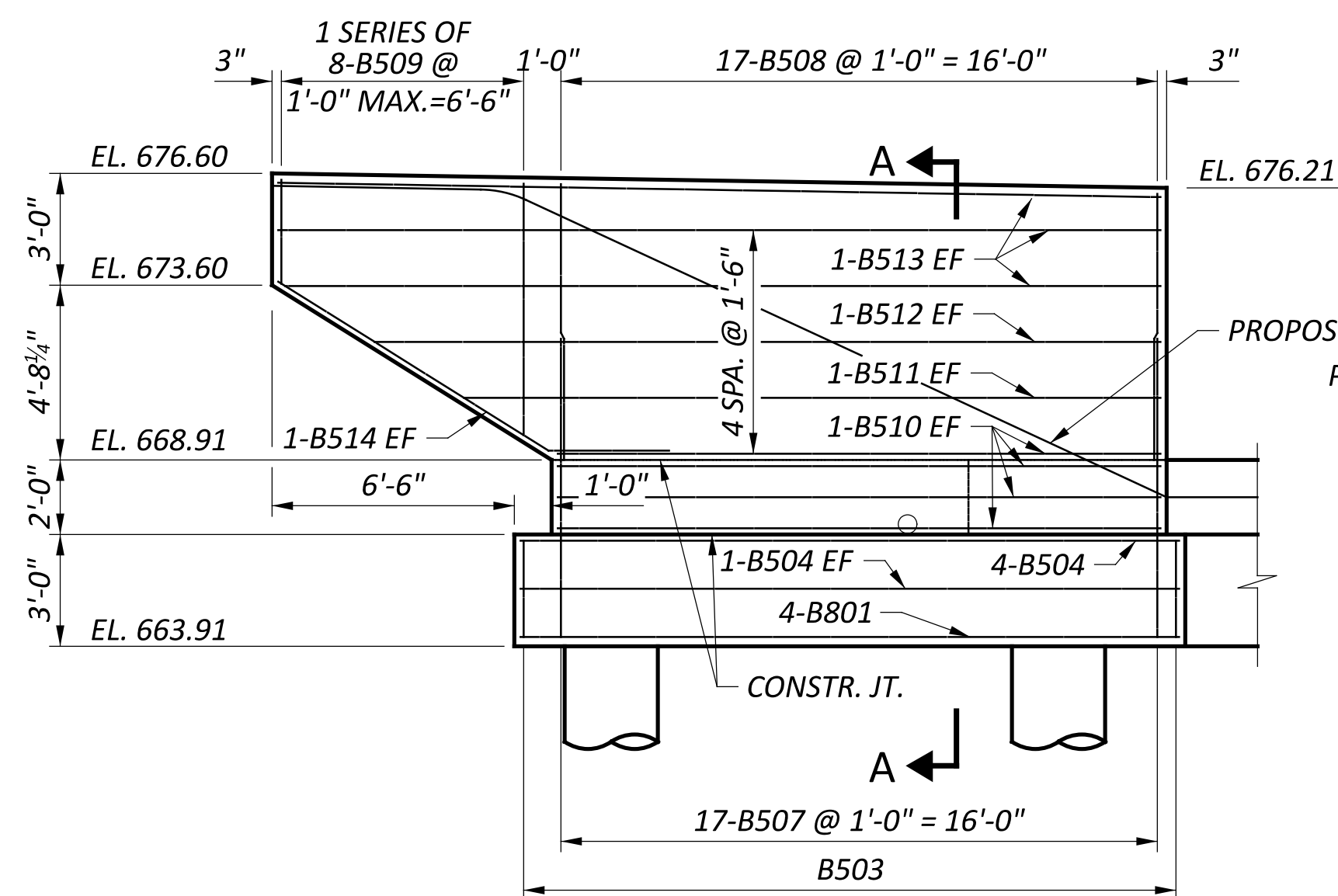
Stantec
 1500 LAKE SHORE DRIVE,
 SUITE 100
 COLUMBUS, OH 43204
 (614) 486-4383
 DESIGNER: TRK CHECKER: EDA
 REVIEWER: MRS 09-26-24
 PROJECT ID: 119144
 SUBSET: 3 TOTAL: 24
 SHEET: P.797 TOTAL: 940



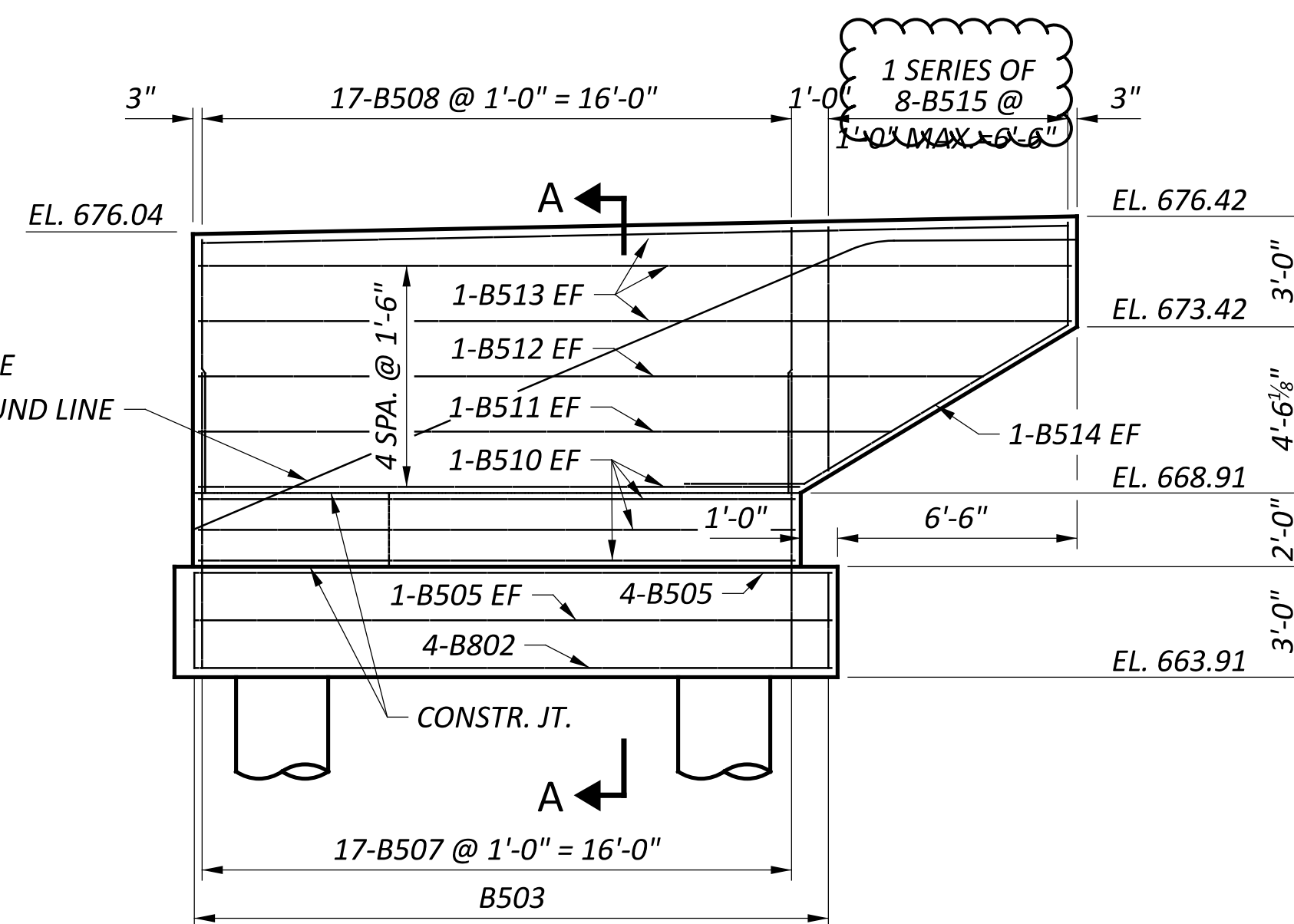
WINGWALL C PLAN



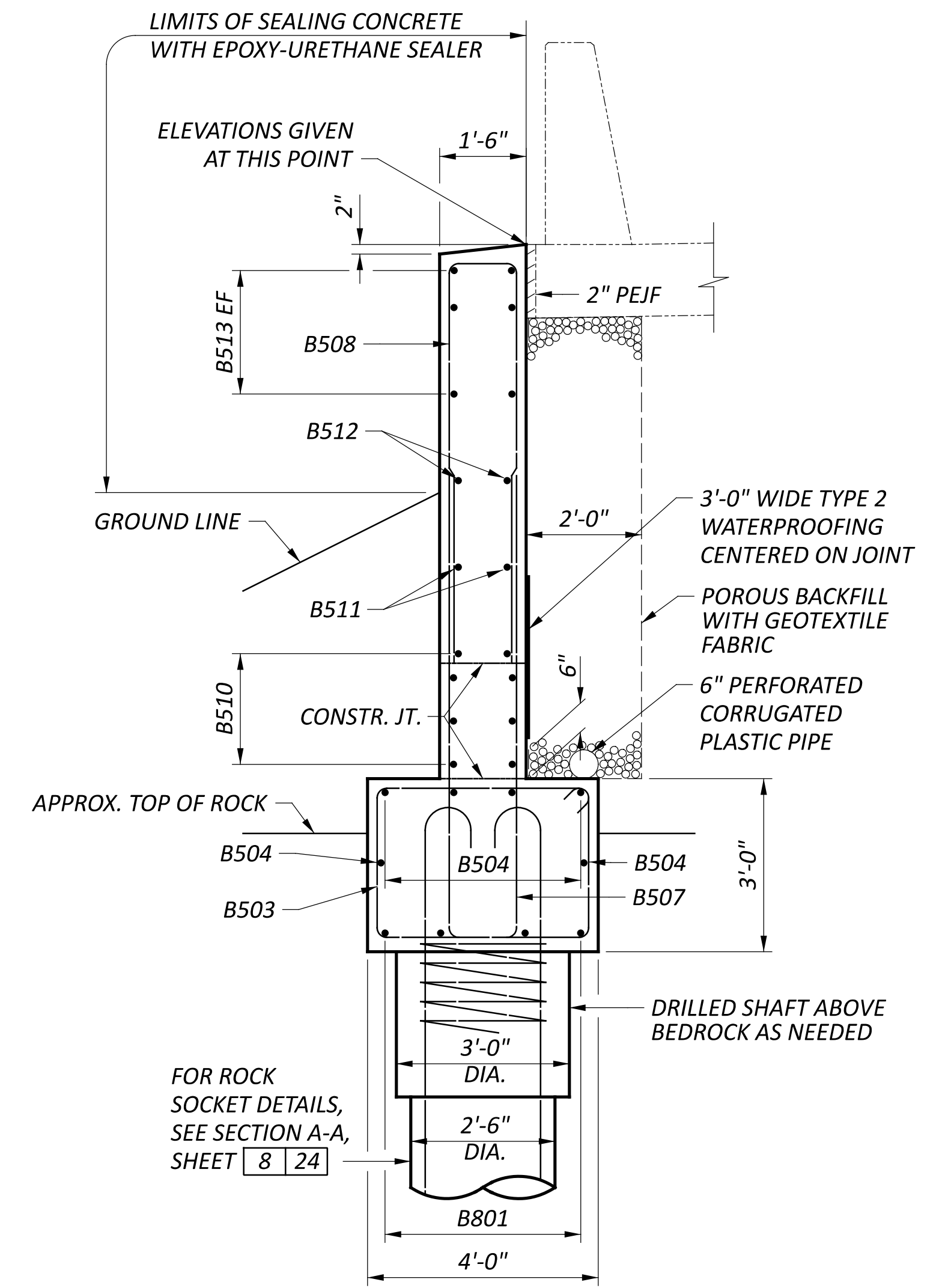
WINGWALL D PLAN



WINGWALL C ELEVATION



WINGWALL D ELEVATION

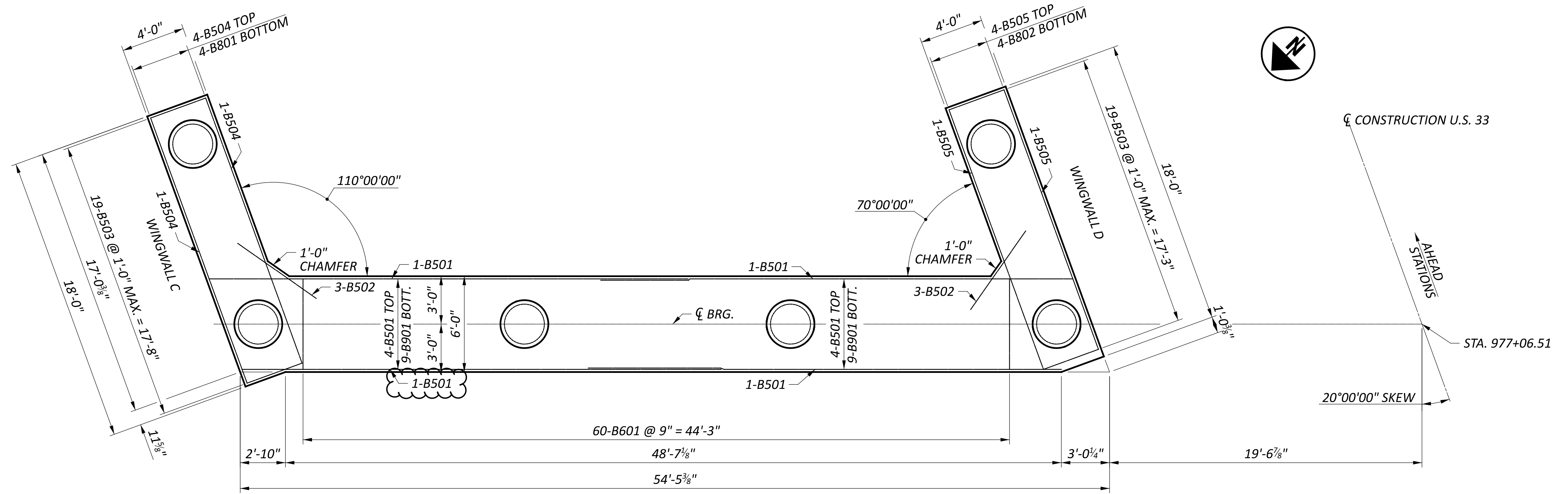


SECTION A-A

(WINGWALL C SHOWN, WINGWALL D SIMILAR)

- NOTES:
1. FOR LAYOUT OF DRILLED SHAFT, SEE SHEET **4 | 24**.
 2. FOR FOOTING PLAN, SEE SHEET **10 | 24**.
 3. POROUS BACKFILL WITH GEOTEXTILE FABRIC, 2'-0" THICK, SHALL EXTEND UP TO THE PLANE OF SUBGRADE, 2'-0" BELOW THE EMBANKMENT SURFACE, AND LATERALLY AS SHOWN.

SFN 5300000	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100 COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
TRK	EDA
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
9	24
SHEET	TOTAL
P.803	940



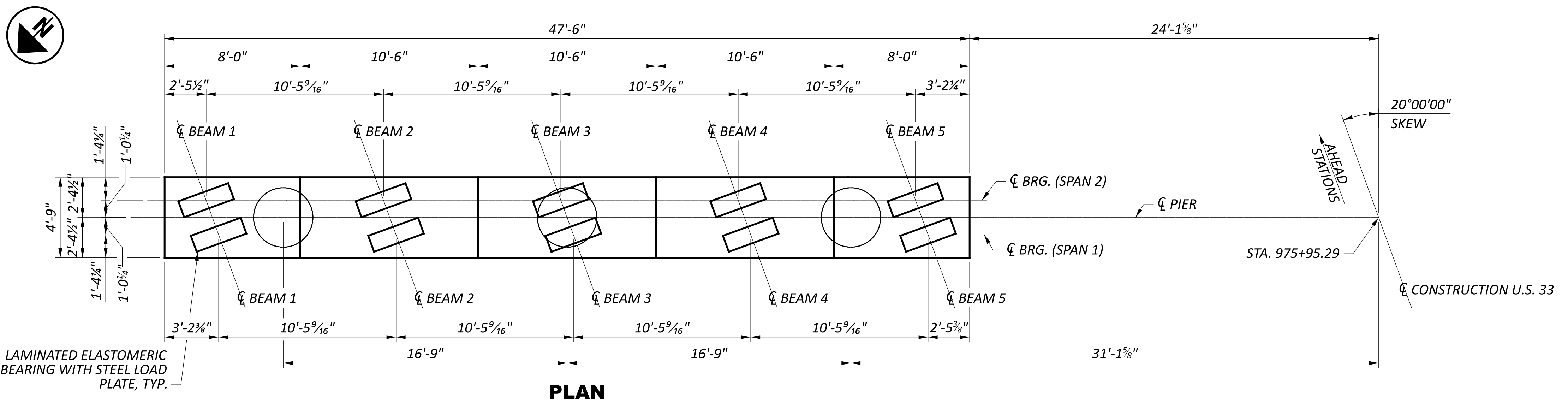
FOOTING PLAN

LAP LENGTHS:
 #5 BARS = 3'-3"
 #9 BARS = 6'-9"

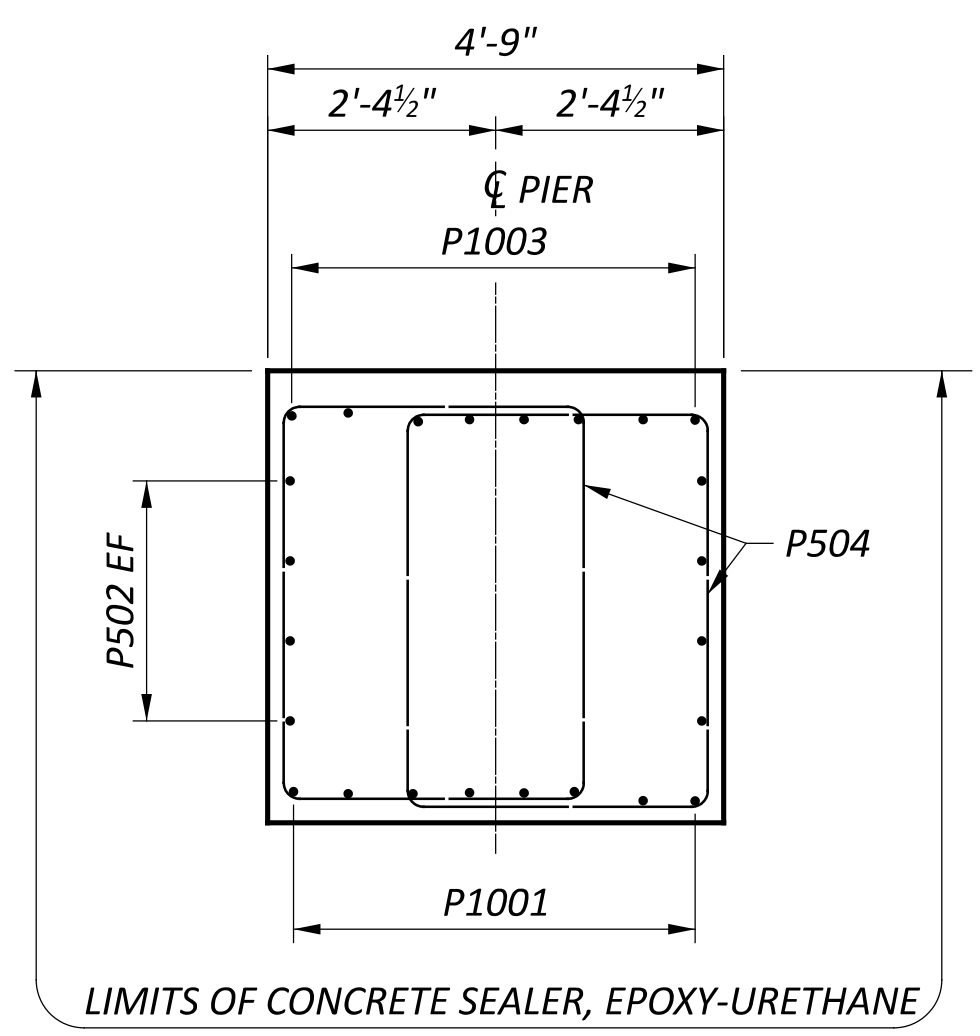
NOTES:
 1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET 4 24.

FORWARD ABUTMENT (3)
 BRIDGE NO. MEG-00033-19.462
 U.S. 33 OVER BOWMAN'S RUN AND C.R. 28 (BASHAN ROAD)

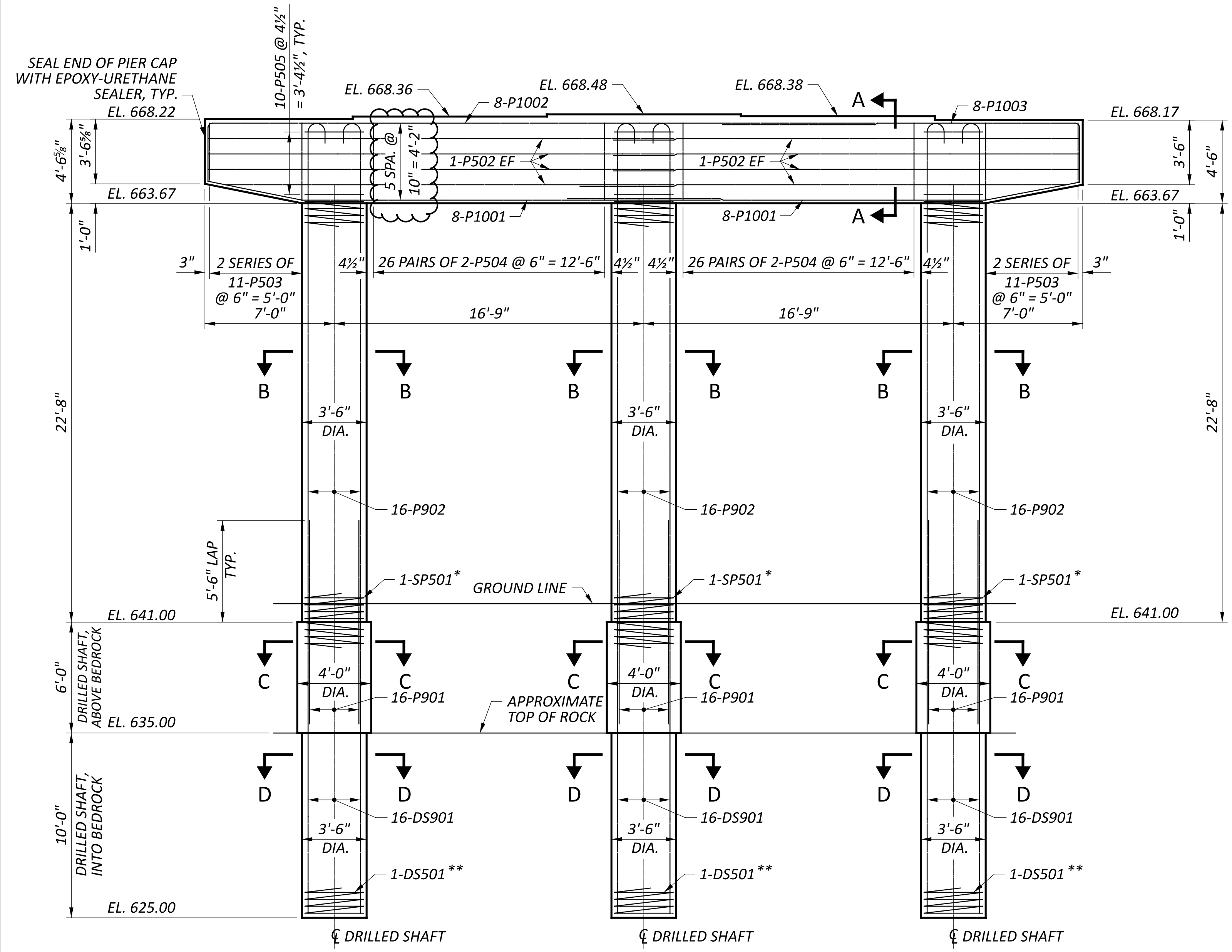
SFN	
5300000	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100 COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
TRK	EDA
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
10	24
SHEET	TOTAL
P.804	940



PLAN



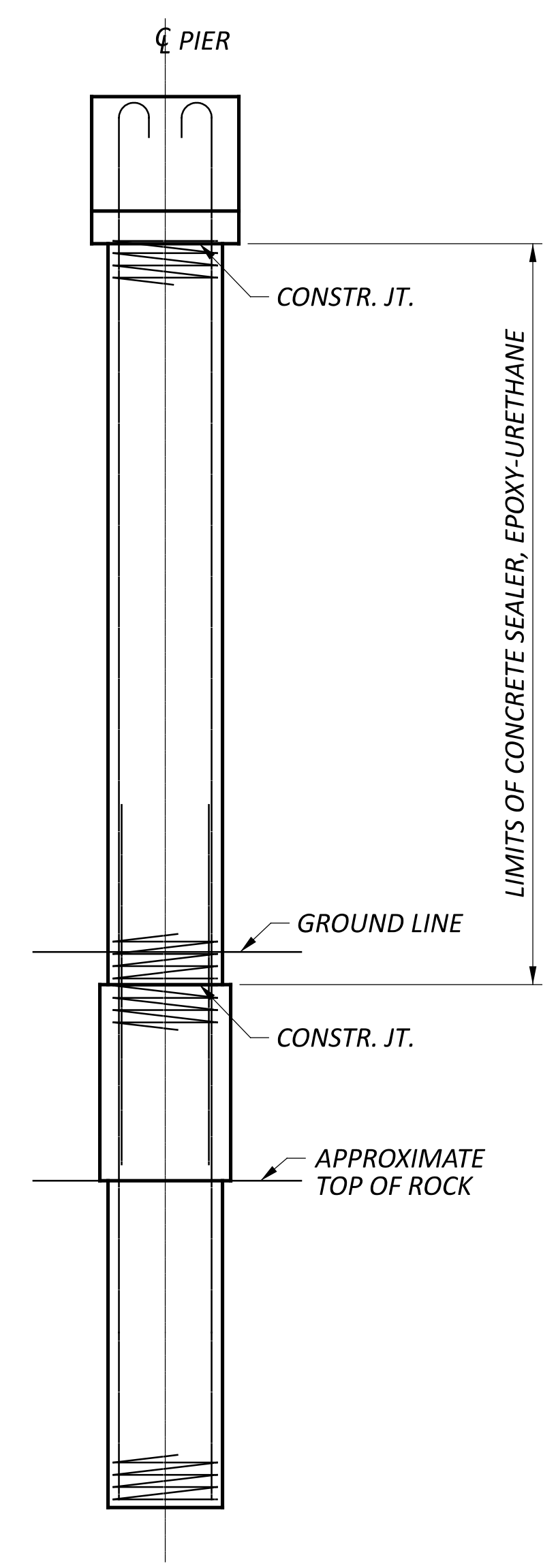
SECTION A-A



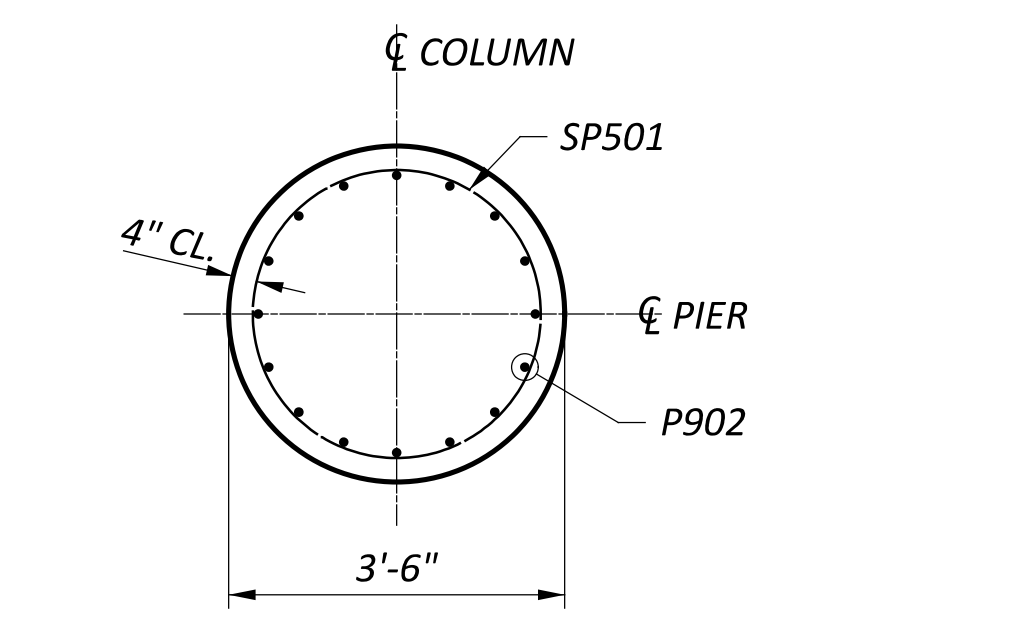
ELEVATION

LAP LENGTHS:
 #5 BAR = 3'-3"
 #9 BAR = 5'-6"
 #10 BAR = 8'-3"

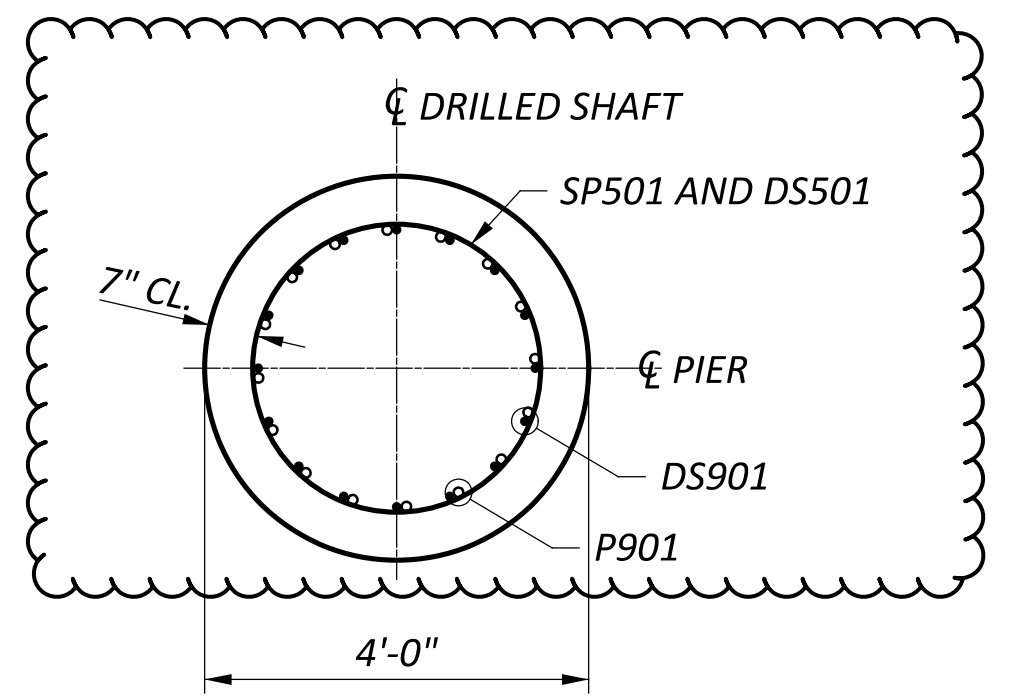
* 4'-0" MINIMUM LAP WITH DS501
 ** EXTEND 6" ABOVE TOP OF DRILLED SHAFT



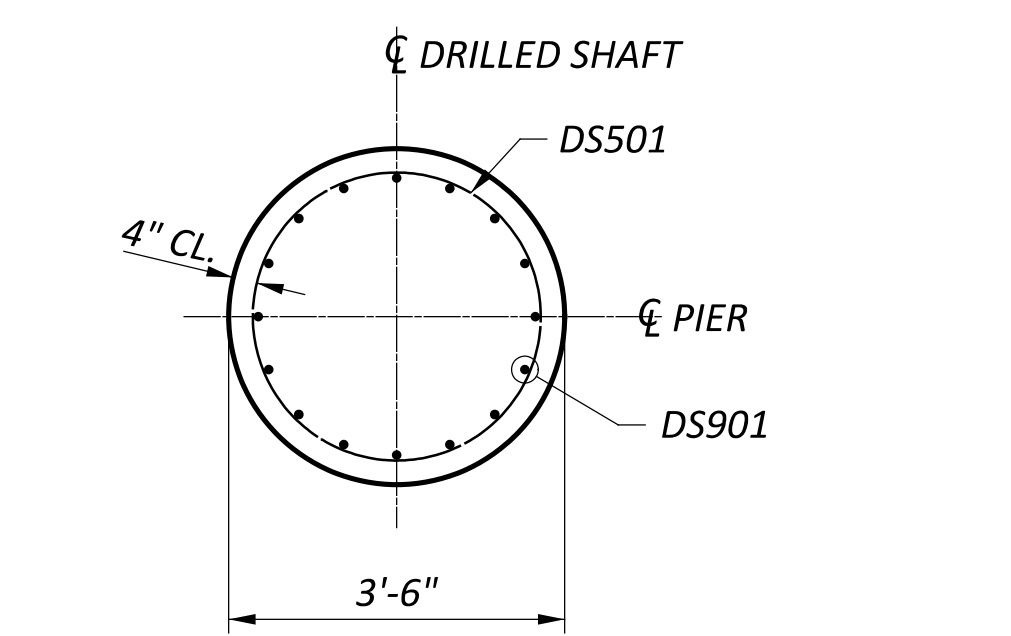
END ELEVATION



SECTION B-B



SECTION C-C



SECTION D-D

NOTES:
 1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET 4 24.

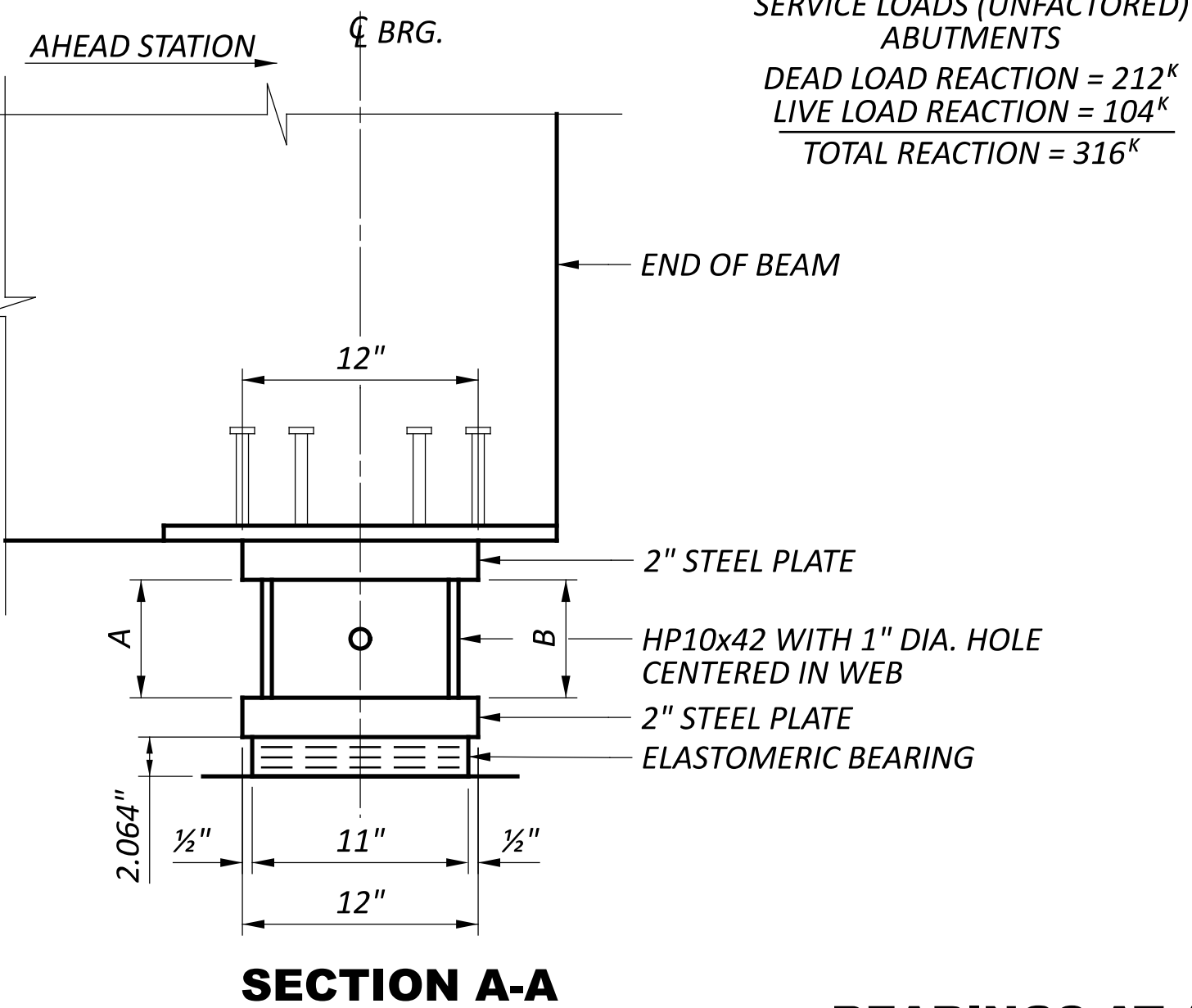
PIER DETAILS

BRIDGE NO. MEG-00033-19.462
U.S. 33 OVER BOWMAN'S RUN AND C.R. 28 (BASHAN ROAD)

SFN	5300000
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	EDA
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	11
TOTAL	24
SHEET	P.805
TOTAL	940

REAR ABUTMENT		
LOCATION	A	B
BEAM 1	6"	6"
BEAM 2	7 ¹¹ / ₁₆ "	7 ¹¹ / ₁₆ "
BEAM 3	9 ³ / ₈ "	9 ³ / ₈ "
BEAM 4	8 ⁷ / ₁₆ "	8 ⁷ / ₁₆ "
BEAM 5	6 ⁵ / ₁₆ "	6 ⁵ / ₁₆ "

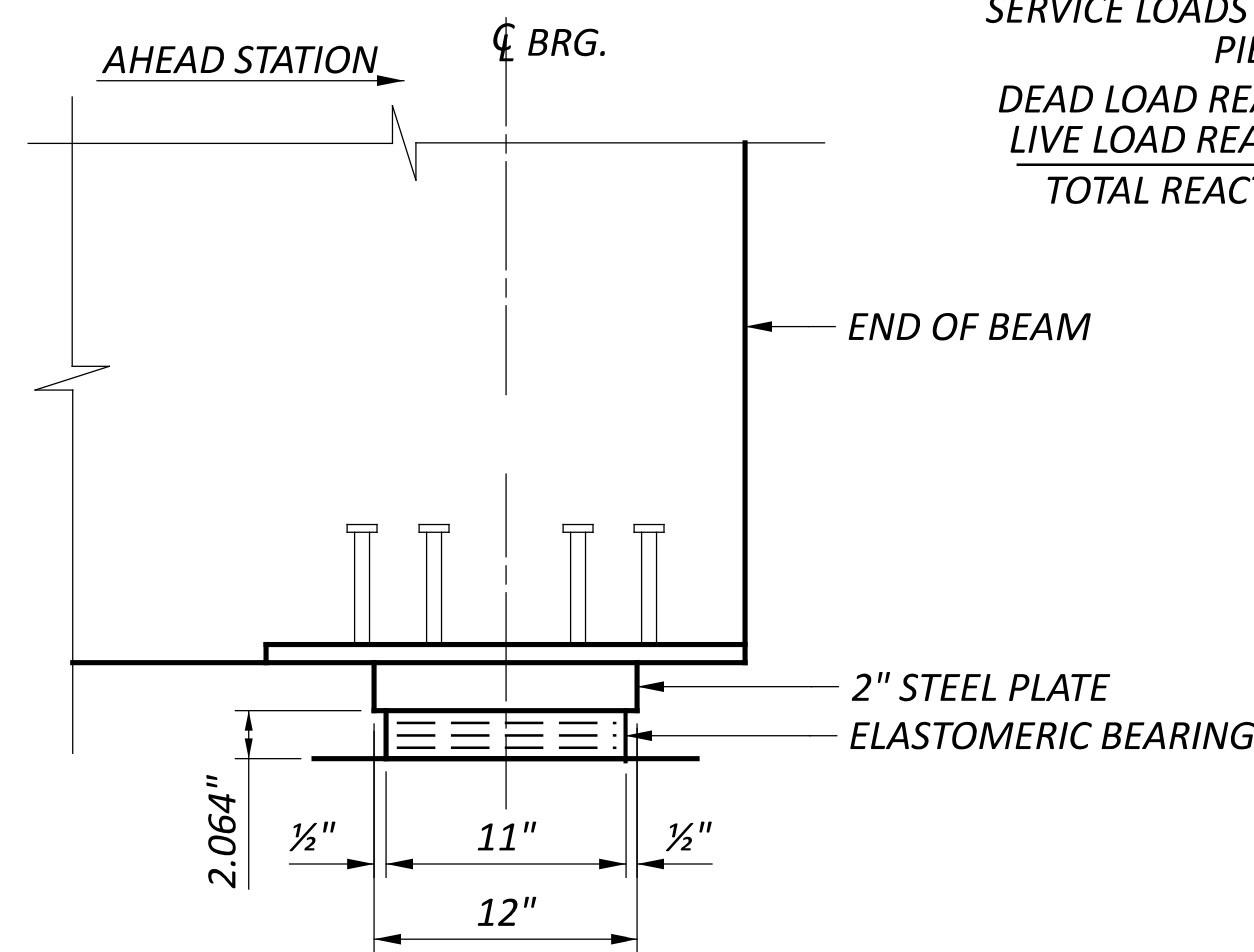
FORWARD ABUTMENT		
LOCATION	A	B
BEAM 1	7 ¹ / ₂ "	7 ¹ / ₂ "
BEAM 2	8 ³ / ₄ "	8 ³ / ₄ "
BEAM 3	9 ¹⁵ / ₁₆ "	9 ¹⁵ / ₁₆ "
BEAM 4	8 ⁹ / ₁₆ "	8 ⁹ / ₁₆ "
BEAM 5	6"	6"



SECTION A-A

BEARINGS AT ABUTMENTS
 (FORWARD ABUTMENT SHOWN, REAR ABUTMENT SIMILAR)
 (10 REQUIRED)

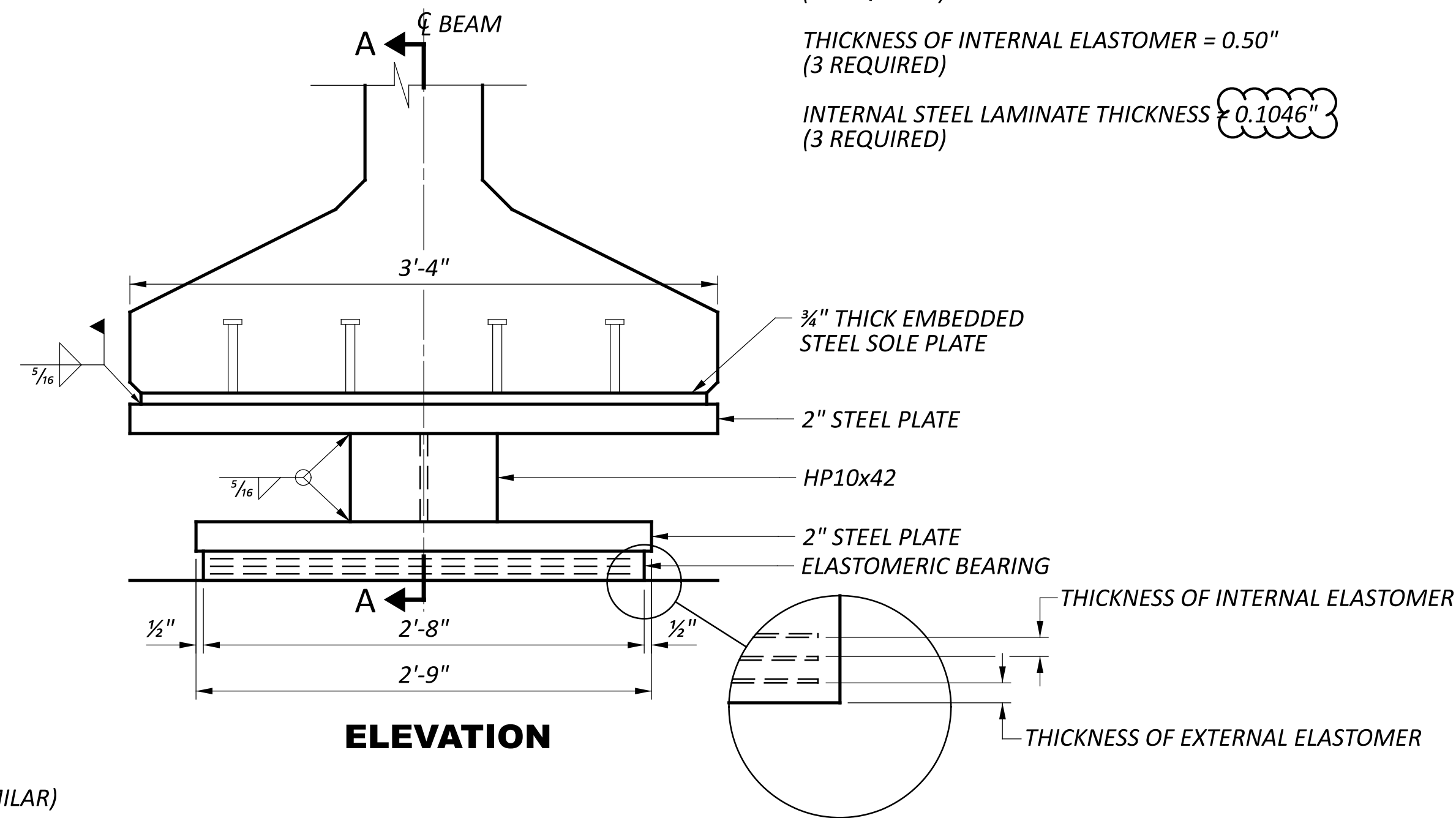
SERVICE LOADS (UNFACTORED)
 ABUTMENTS
 DEAD LOAD REACTION = 212^K
 LIVE LOAD REACTION = 104^K
 TOTAL REACTION = 316^K



SECTION B-B

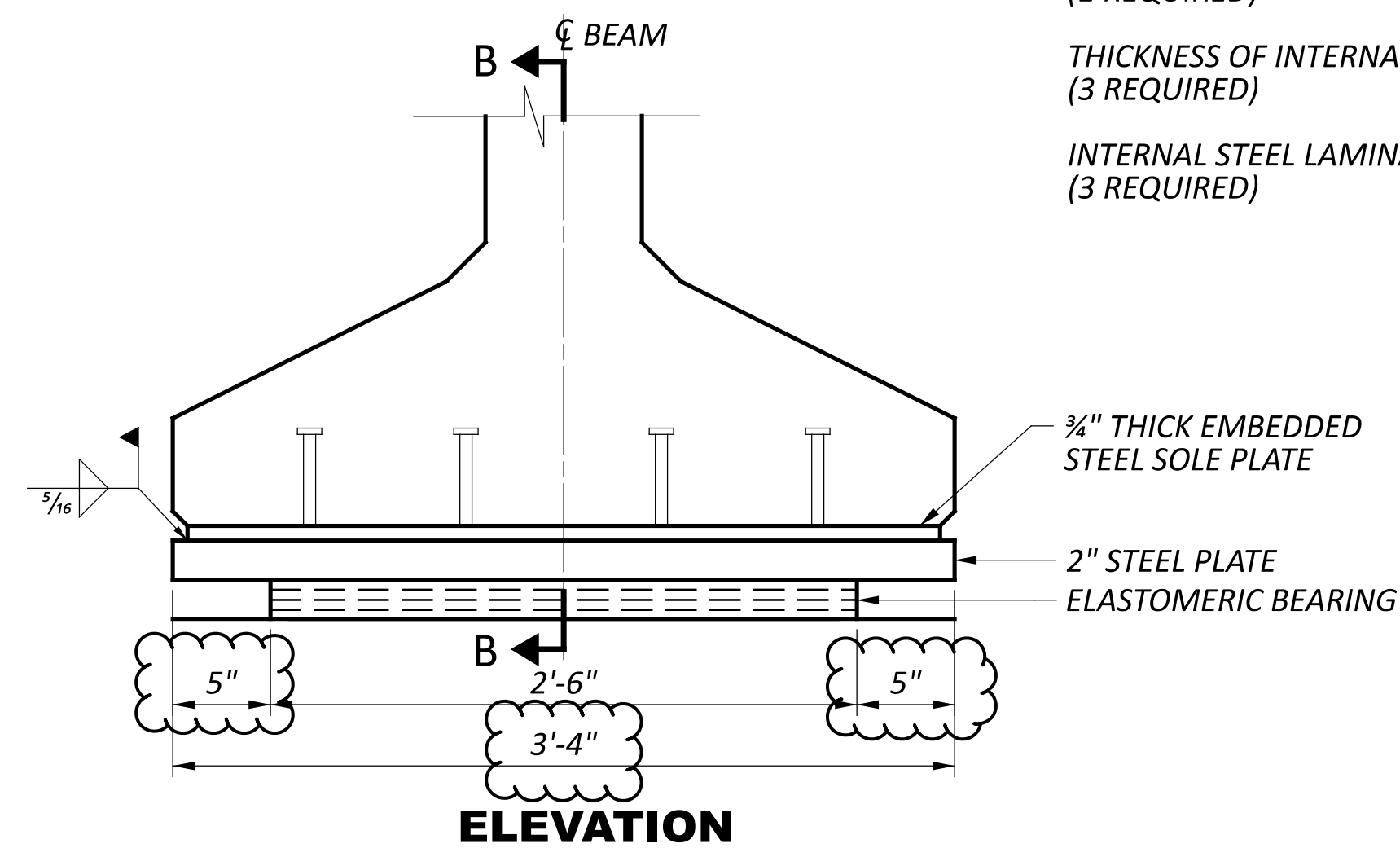
BEARINGS AT PIER
 (SPAN 1 SHOWN, SPAN 2 SIMILAR)
 (10 REQUIRED)

SERVICE LOADS (UNFACTORED)
 PIER
 DEAD LOAD REACTION = 186^K
 LIVE LOAD REACTION = 103^K
 TOTAL REACTION = 289^K



ELEVATION

THICKNESS OF EXTERNAL ELASTOMER = 0.25"
 (1 REQUIRED)
 THICKNESS OF INTERNAL ELASTOMER = 0.50"
 (3 REQUIRED)
 INTERNAL STEEL LAMINATE THICKNESS = 0.1046"
 (3 REQUIRED)



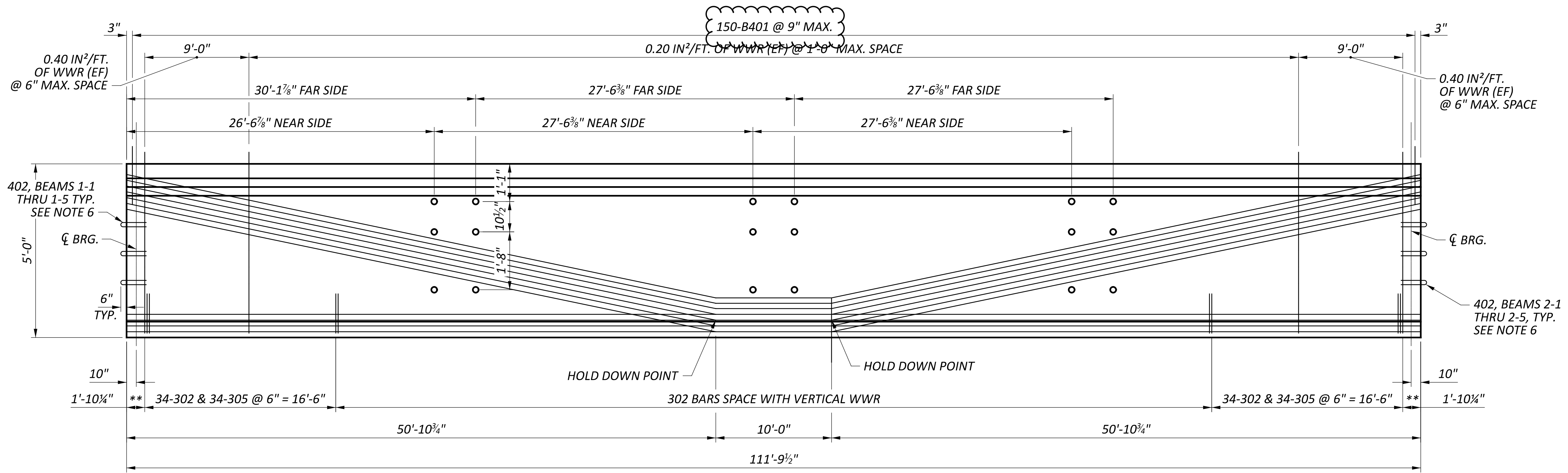
ELEVATION

THICKNESS OF EXTERNAL ELASTOMER = 0.25"
 (1 REQUIRED)
 THICKNESS OF INTERNAL ELASTOMER = 0.50"
 (3 REQUIRED)
 INTERNAL STEEL LAMINATE THICKNESS = 0.1046"
 (3 REQUIRED)

BEARING NOTES:

- ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
- STEEL LOAD PLATES: LOAD PLATES SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS.
- FOR DETAILS OF THE STUDS AND EMBEDDED PLATE, AND FOR ADDITIONAL INFORMATION, SEE STD. DWG. PSID-1-13.
- ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.
- STEEL FOR LOAD PLATES AND INTERNAL LAMINATES SHALL BE GRADE 50.
- PER CMS 516.03, GALVANIZE STEEL COMPONENTS OF BEARING ASSEMBLIES (UPPER AND LOWER LOAD PLATES AND HP SHAPES).
- UPPER AND LOWER LOAD PLATES AND HP SHAPES SHALL BE CONSIDERED COMPONENTS OF THE ELASTOMERIC BEARING ASSEMBLY FOR PAYMENT. THE 3/4" THICK EMBEDDED STEEL PLATE IS INCIDENTAL TO THE COST OF I-BEAMS.

SFN	5300000
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	EDA
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	13
TOTAL	24
SHEET	P.807
TOTAL	940

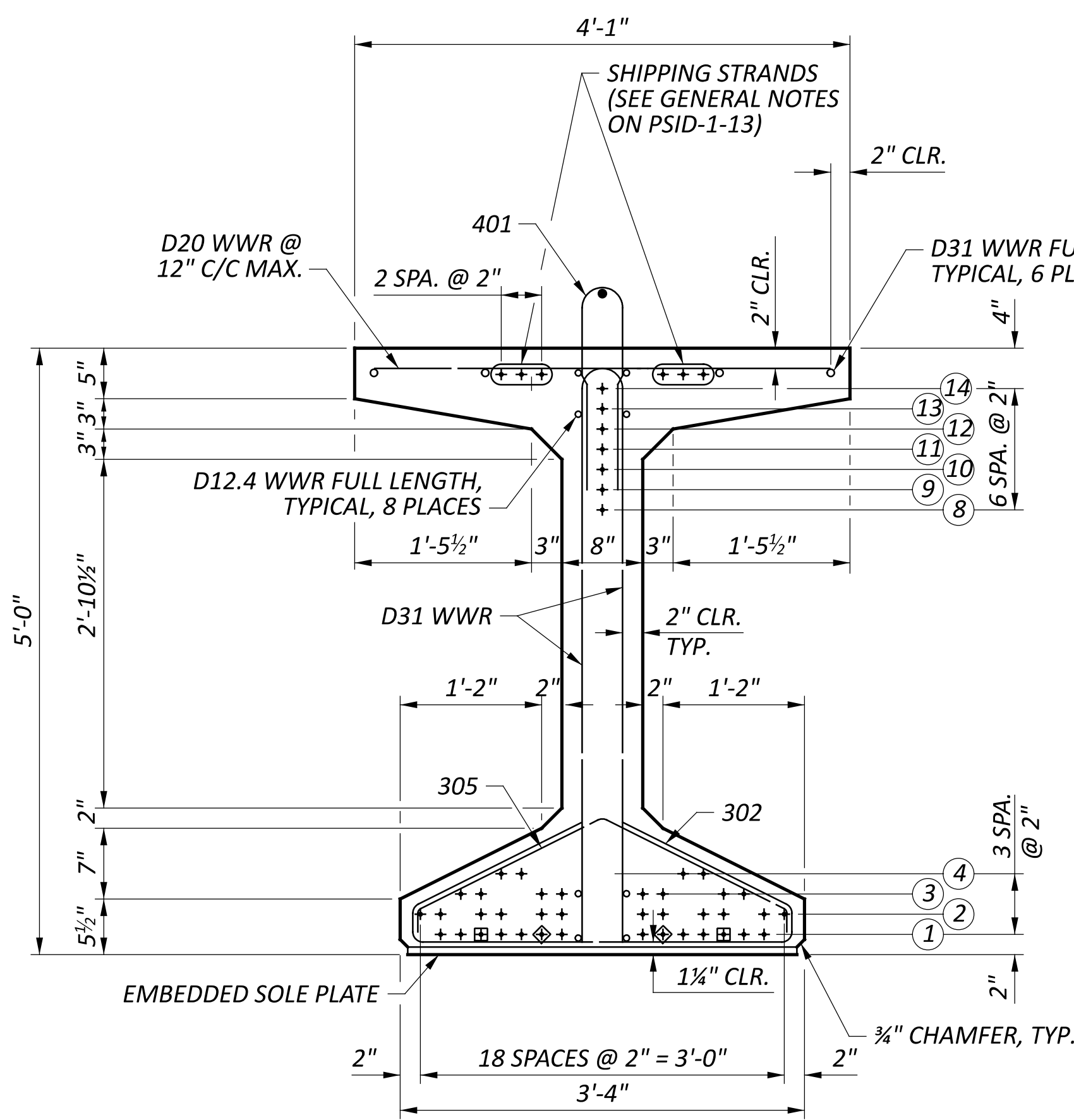


BEAM ELEVATION
 VERTICAL SCALE EXAGGERATED

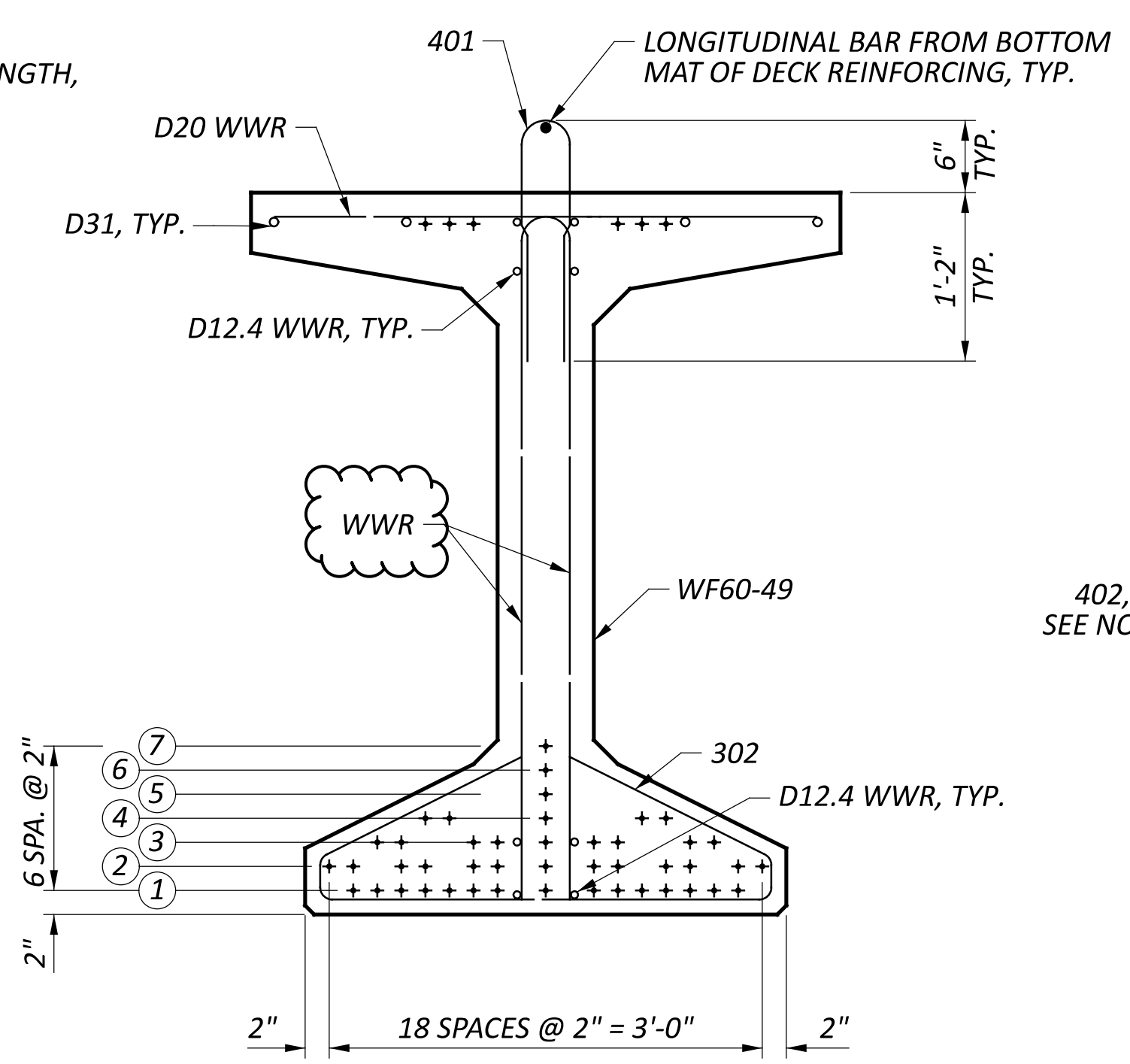
BEAMS B1-1 - B1-5
 BEAMS B2-1 - B2-5
 (INSERTS ON INTERIOR SIDE ONLY AT EXTERIOR BEAMS)

** ANCHORAGE ZONE REINFORCING, SEE DETAIL

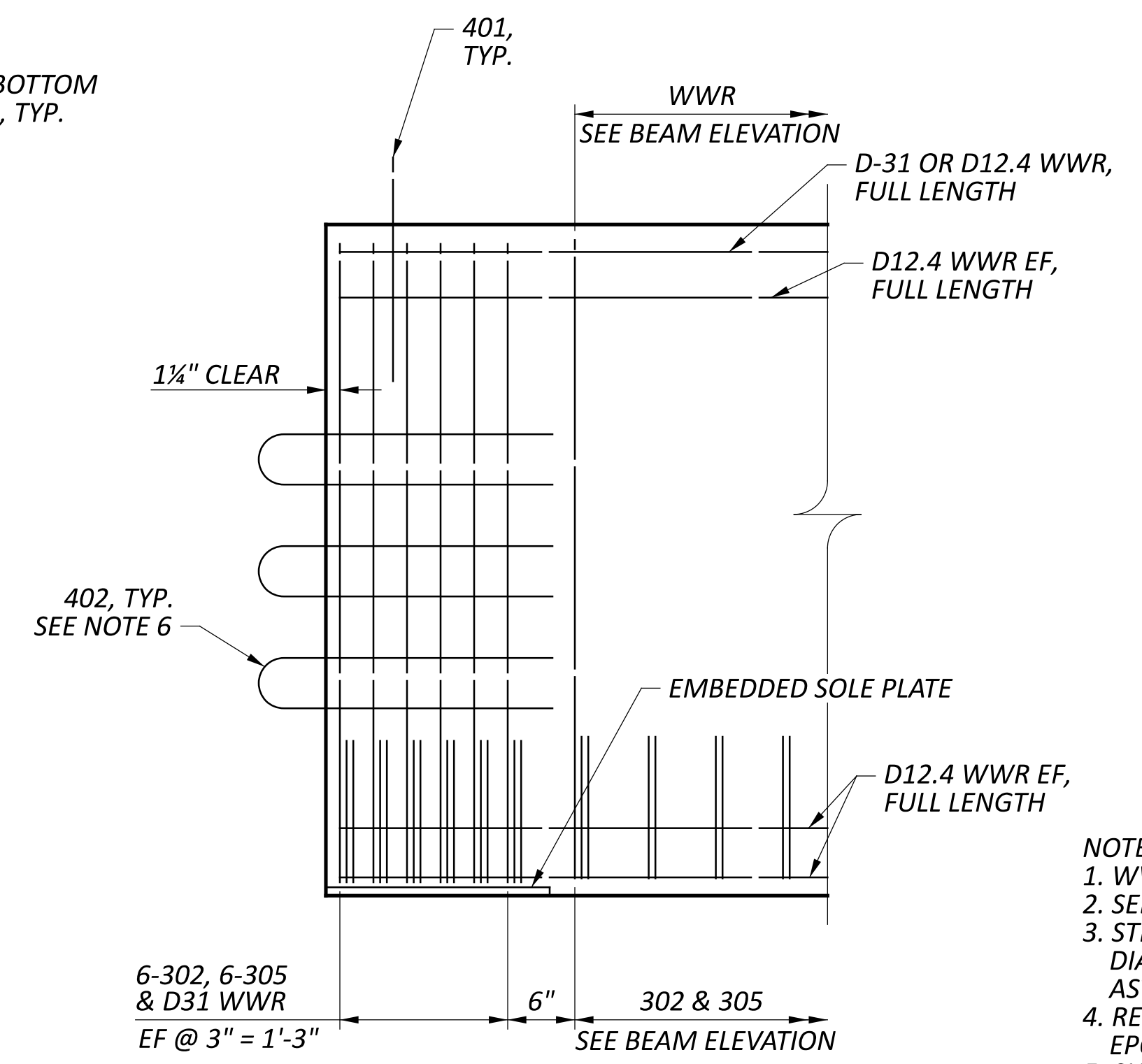
SECTION	NUMBER OF STRANDS PER ROW														CONCRETE STRENGTH (KSI)		
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	TOTAL	f _{ci}	f _c
END	14	12	8	4	--	--	--	1	1	1	1	1	1	1	45	5	7
MID	15	13	9	5	1	1	1	--	--	--	--	--	--	--	45		



END BEAM SECTION

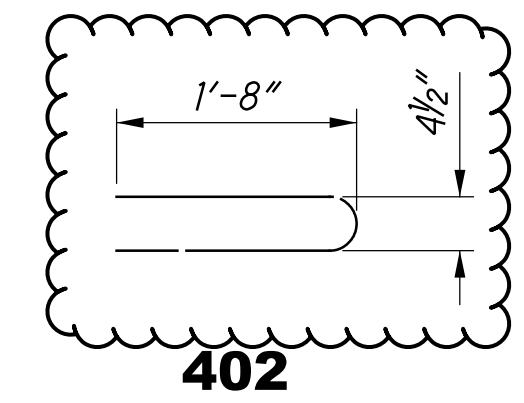


MIDSPAN BEAM SECTION



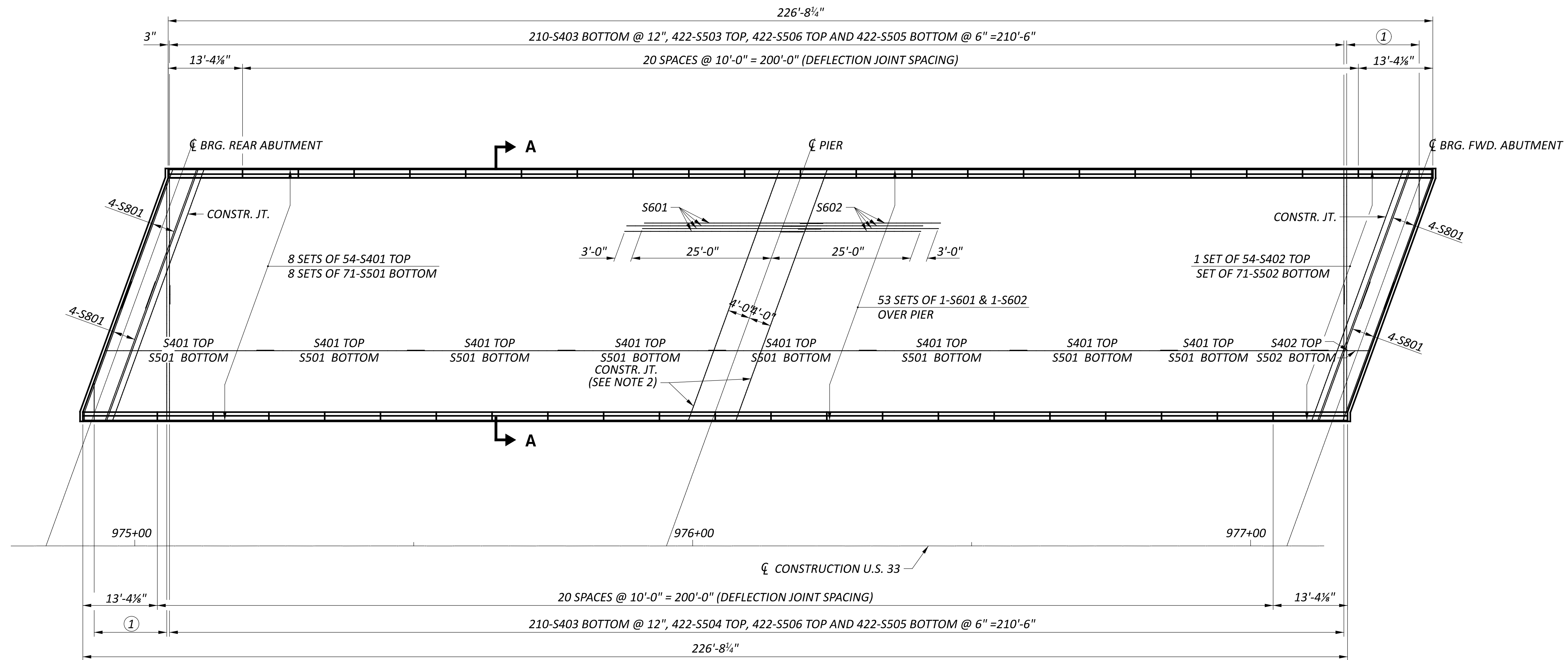
ANCHORAGE ZONE REINFORCING

STRANDS NOT SHOWN FOR CLARITY



- NOTES:
1. WWR DENOTES WELDED WIRE REINFORCEMENT.
 2. SEE STD. DWG. PSID-1-13 FOR ADDITIONAL DETAILS.
 3. STRANDS ARE TO BE LOW RELAXATION, 0.6 INCH DIAMETER (A = 0.217 SQ. IN.) SEVEN WIRE UNCOATED, ASTM A416, GRADE 270.
 4. REINFORCEMENT PROJECTING FROM BEAM TO BE EPOXY COATED.
 5. SHOP MARK EACH BEAM WITH BEAM NUMBER AND UP-STATION DIRECTION.
 6. PLACE 402 BARS ON CENTERLINE OF BEAM AT ABUTMENT ENDS ONLY. BAR LOCATIONS MAY BE ADJUSTED TO AVOID STRANDS.

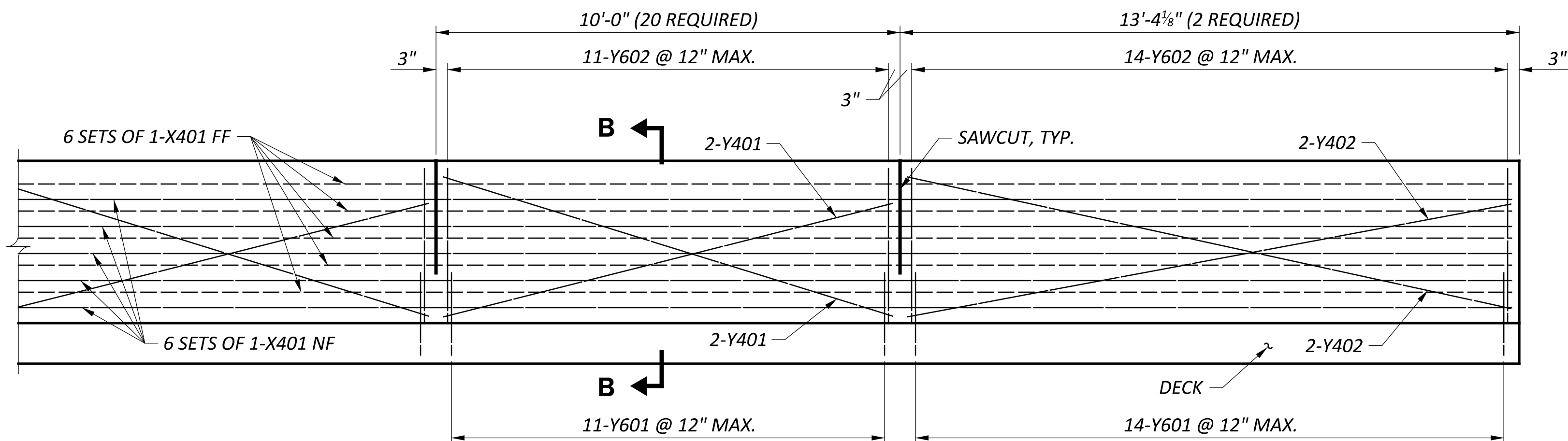
□ STRAND DEBONDED FOR 10'-0" FROM END
 ◇ STRAND DEBONDED FOR 5'-0" FROM END



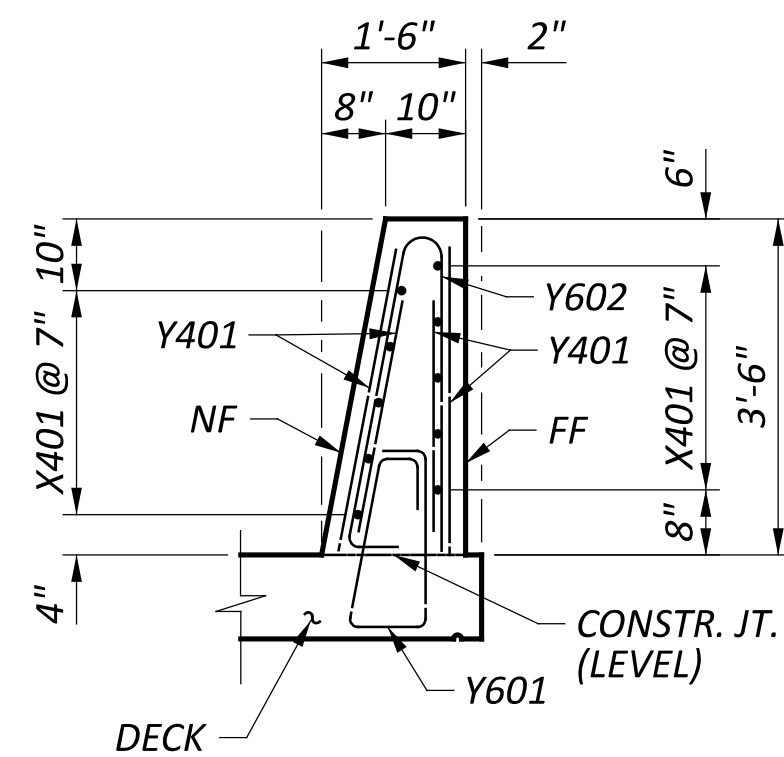
① 1 SERIES OF 27-S507 @ 6" = 13'-0" TOP AND BOTTOM,
 14-S403 BOTTOM @ 12" AND 27-S506 TOP @ 6" = 13'-0"

SLAB PLAN

LAP LENGTHS:
 #4 BARS = 2'-0"
 #5 BARS = 3'-0"
 #6 BARS = 3'-0"
 #4 GFRP BARS = 1'-1"

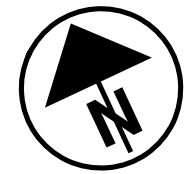


RAILING ELEVATION
 (2 REQUIRED)

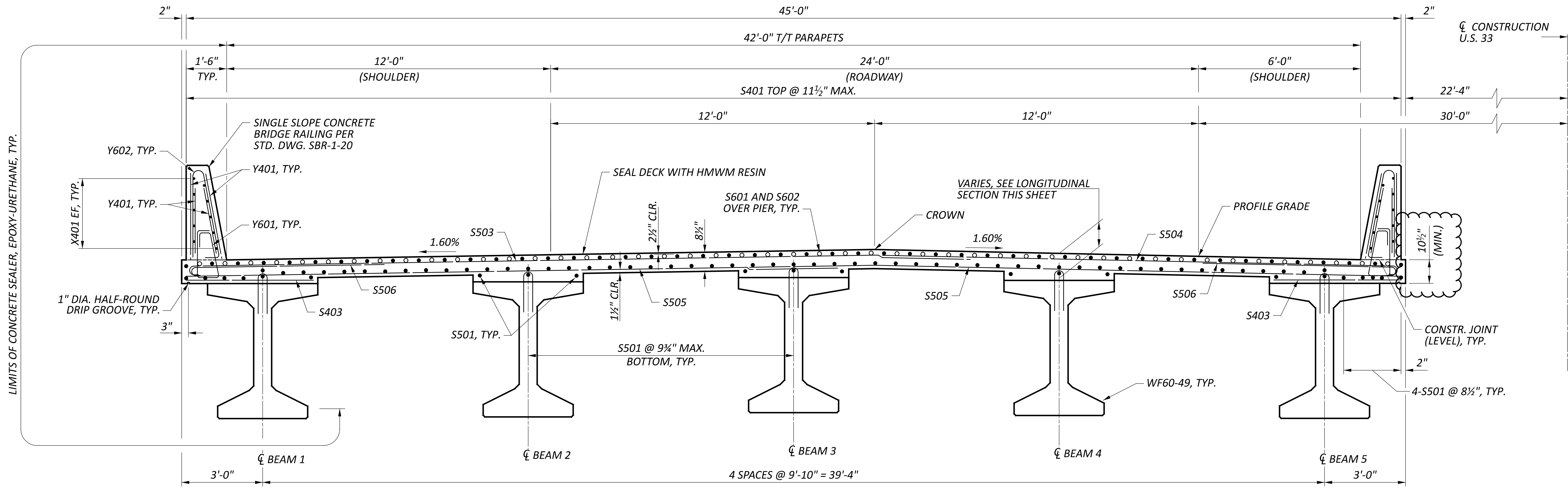


SECTION B-B

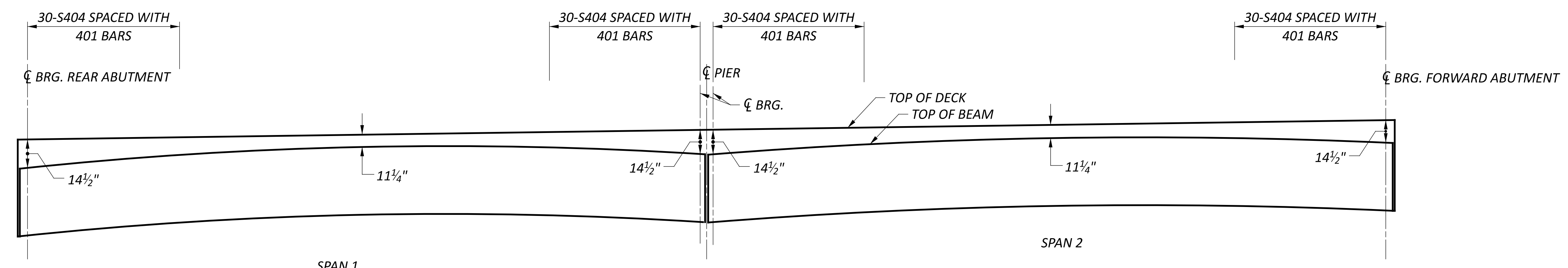
NOTES:
 1. FOR SECTION A-A, SEE SHEET 16 | 24.
 2. SEE GENERAL NOTES IN PSID-1-13, SHEET 10 OF 10, FOR REQUIREMENTS REGARDING PLACEMENT OF DECK CONCRETE.



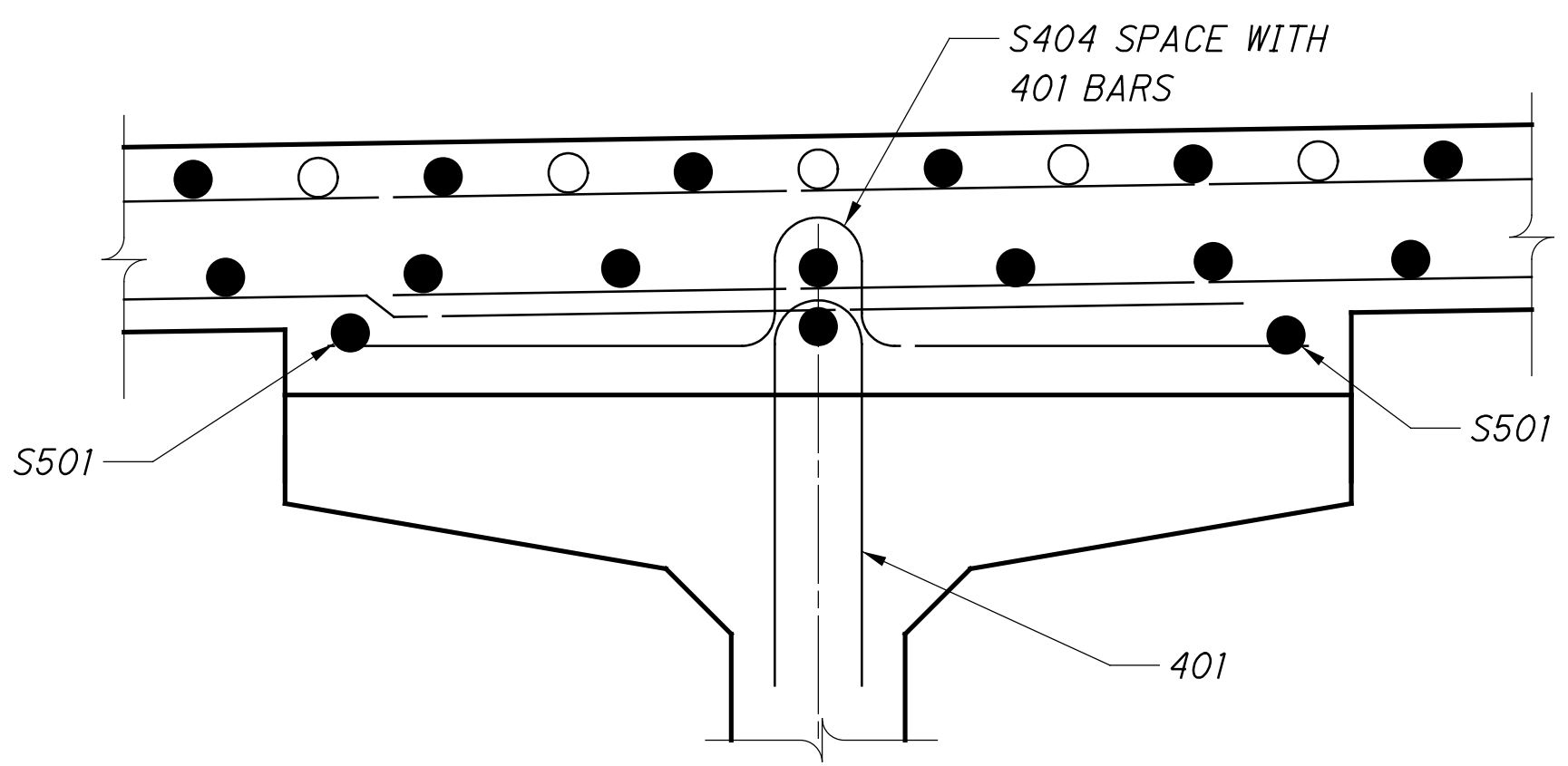
SFN	5300000
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	EDA
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	15
TOTAL	24
SHEET	P.809
TOTAL	940



SECTION A-A



LONGITUDINAL SECTION THRU DECK



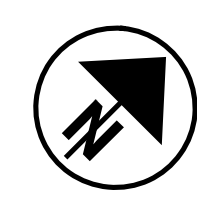
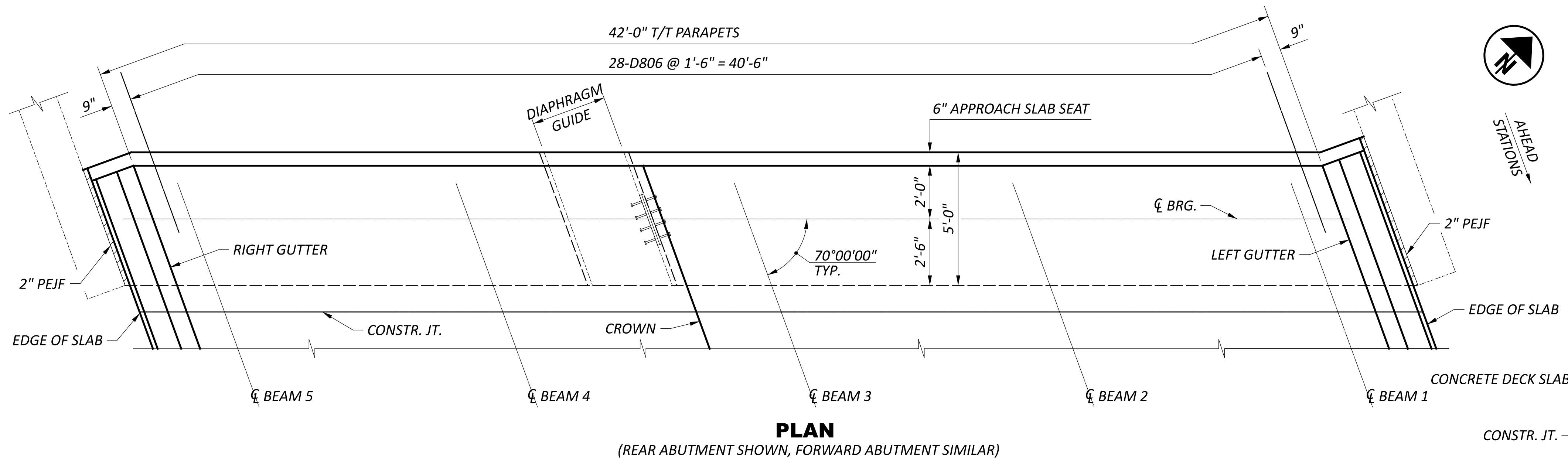
TYPICAL HAUNCH DETAIL

SPAN 1 & 2
 ESTIMATED CAMBER AT DAY 0 (D_0) IS 2 3/4 INCHES.
 ESTIMATED CAMBER AT DAY 30 (D_{30}) IS 4 INCHES.
 DEFLECTION DUE TO REMAINING DEAD LOAD (E.G. CONCRETE DECK, CROSS-FRAMES, DIAPHRAGMS, BARRIERS, UTILITIES, ETC.) IS 1 1/2 INCH.
 THE BEAM SEAT ELEVATIONS ASSUME ESTIMATED CAMBER D_{30} WITH A SACRIFICIAL HAUNCH THICKNESS OF 2 3/8 INCHES MEASURED ON THE CENTERLINE OF GIRDER.

NOTES:
 1. DECK SLAB THICKNESS FOR CONCRETE QUANTITY: THE ESTIMATED QUANTITY OF DECK CONCRETE IS MEASURED ACCORDING TO C&MS 511. IN ADDITION TO THE DESIGN SLAB THICKNESS, THE QUANTITY INCLUDES A VARIABLE HAUNCH THICKNESS THAT PROVIDES AN ALLOWANCE FOR BEAM CAMBER, VERTICAL GRADE ADJUSTMENT, AND ADDITIONAL SACRIFICIAL HAUNCH THICKNESS.
 2. FOR RAILING DETAILS, SEE SHEET [15] [24].

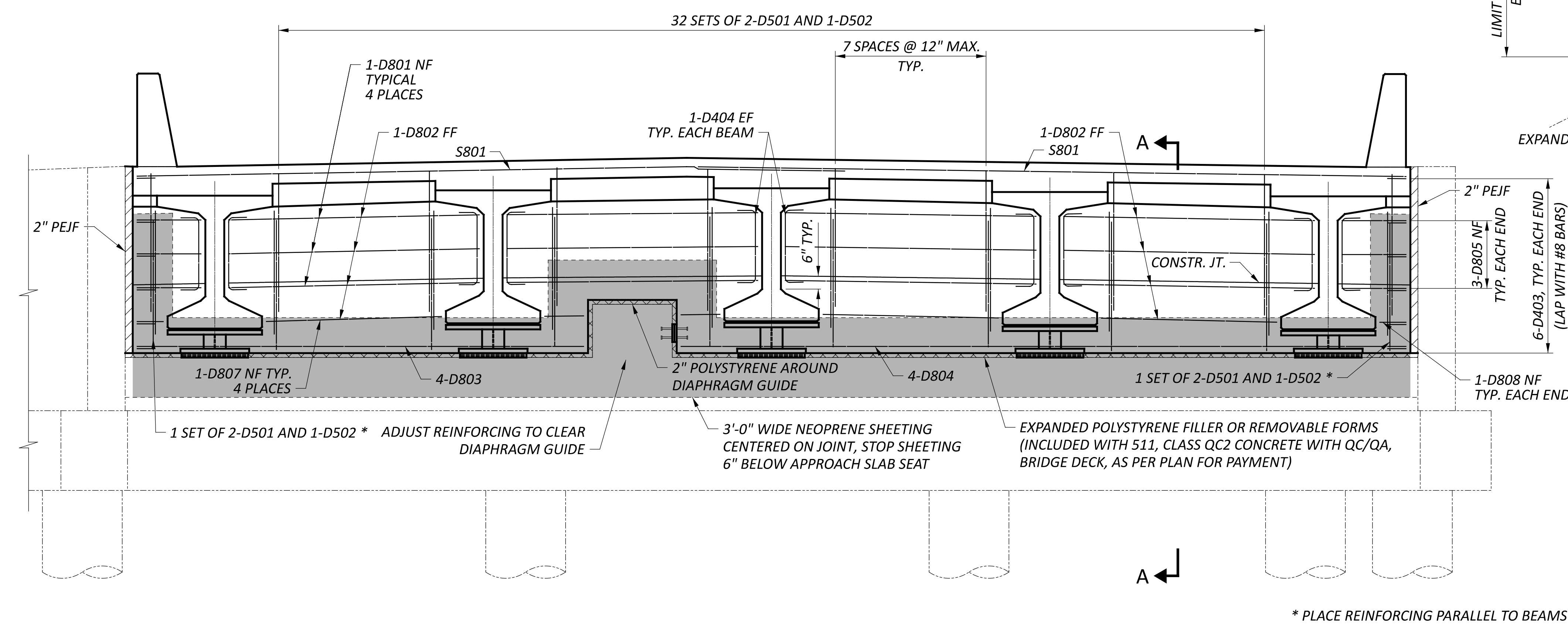
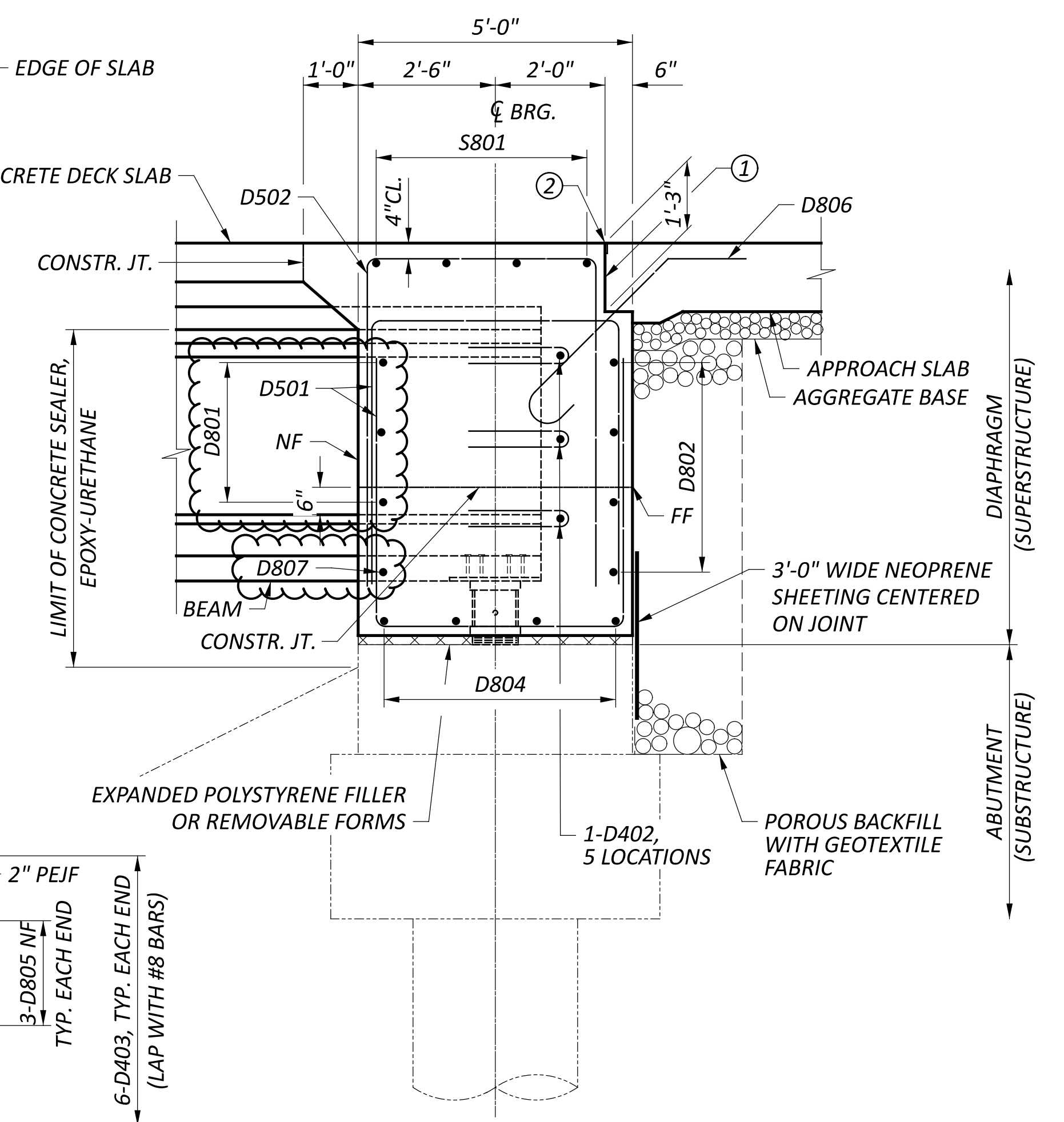
TRANSVERSE SECTION
 BRIDGE NO. MEG-00033-19.462
 U.S. 33 OVER BOWMAN'S RUN AND C.R. 28 (BASHAN ROAD)

SFN	5300000
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	EDA
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	16
TOTAL	24
SHEET	P.810
TOTAL	940



AHEAD STATIONS

- ① TYPE A WATERPROOFING (INCLUDE WITH APPROACH SLAB FOR PAYMENT)
- ② PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL. FOR ADDITIONAL DETAILS, SEE STD. DWG. AS-1-15, DETAIL B (INCLUDE WITH APPROACH SLAB FOR PAYMENT)



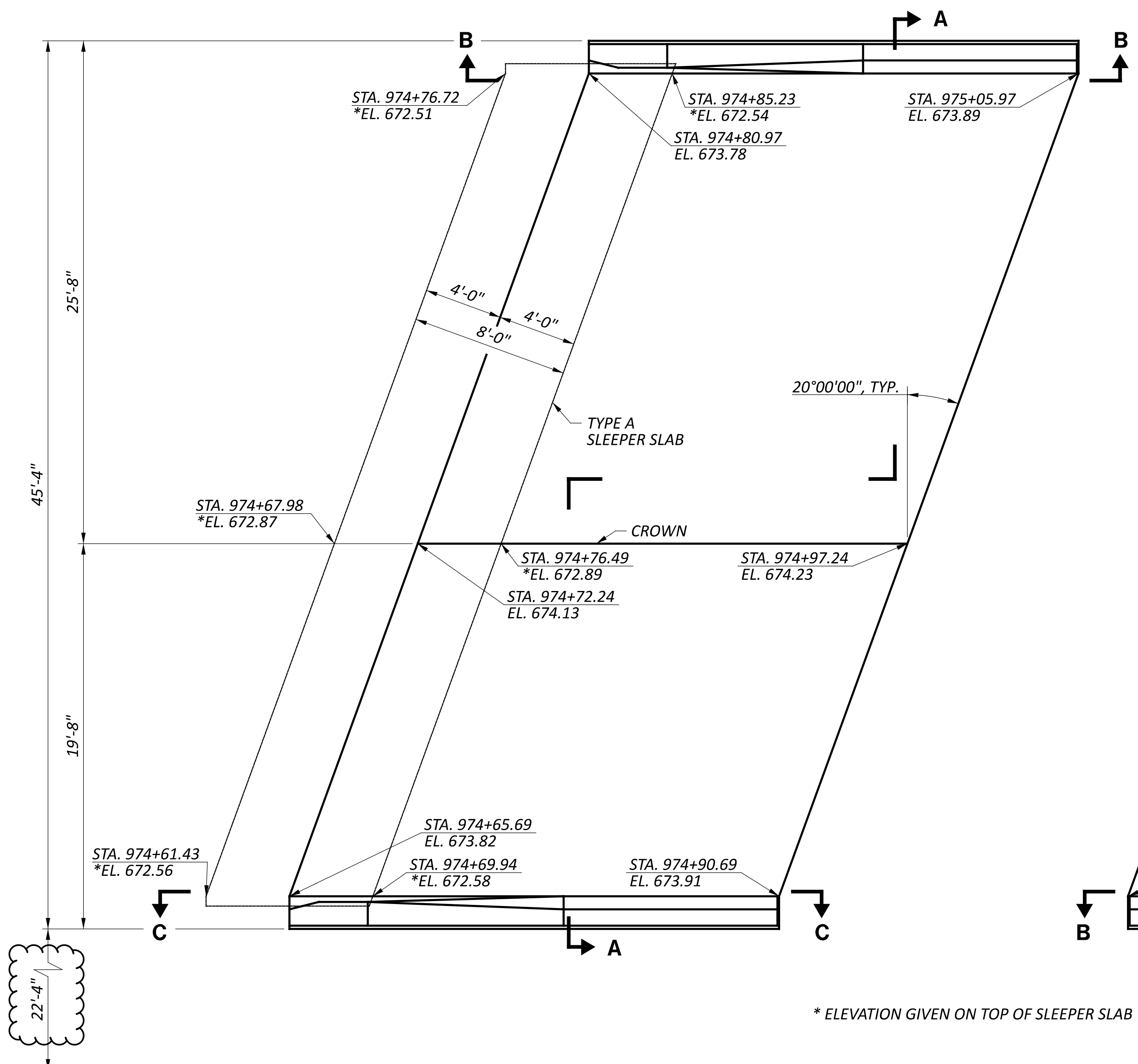
LAP LENGTHS:
#8 BARS = 5'-6"

* PLACE REINFORCING PARALLEL TO BEAMS

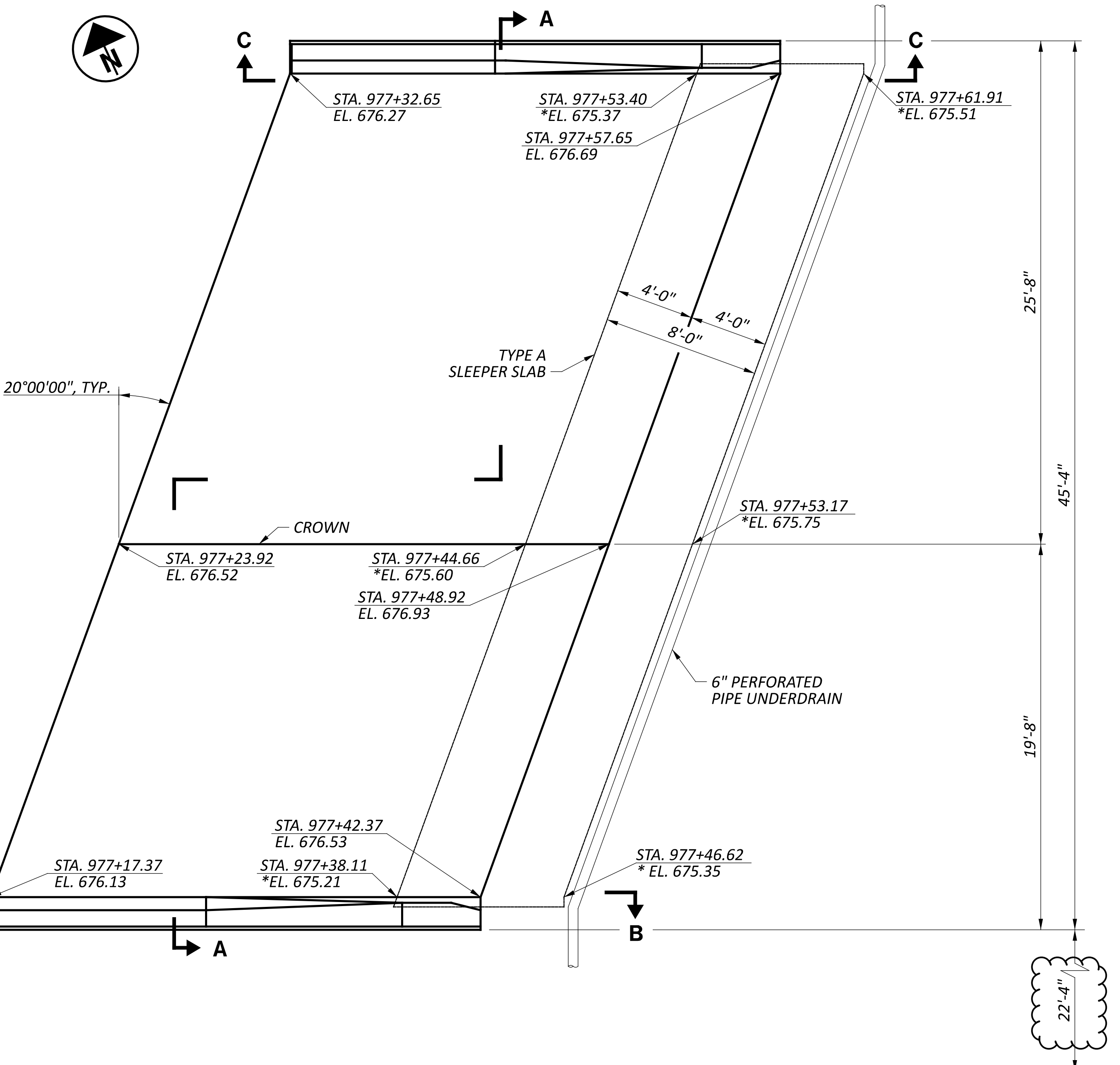
- NOTES:
1. ABUTMENT DIAPHRAGM CONCRETE: PLACE THE DIAPHRAGM CONCRETE ENCASING THE STRUCTURAL MEMBER ENDS AFTER THE DECK PLACEMENT IN THE ADJACENT SPAN IS COMPLETE. PROCEDURES THAT PLACE THE ABUTMENT DIAPHRAGM WITH THE DECK CONCRETE MAY BE APPROVED BY THE ENGINEER IF THE PLACEMENT SUBMITTAL CAN ASSURE THAT THE DECK CONCRETE IN THE ADJACENT SPAN WILL BE PLACED BEFORE CONCRETE IN THE DIAPHRAGM HAS REACHED ITS INITIAL SET.
 2. FOR ADDITIONAL DIAPHRAGM DETAILS, SEE STD. DWG. PSID-1-13.

DIAPHRAGMS AT ABUTMENTS
BRIDGE NO. MEG-00033-19.462
U.S. 33 OVER BOWMAN'S RUN AND C.R. 28 (BASHAN ROAD)

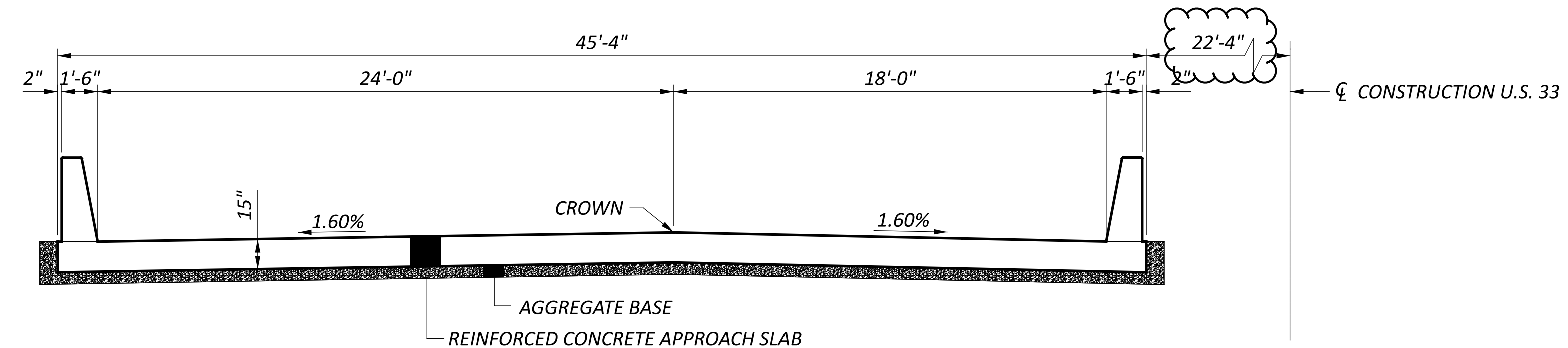
SFN 5300000
DESIGN AGENCY
Stantec
1500 LAKE SHORE DRIVE, SUITE 100
COLUMBUS, OH 43204
(614) 486-4383
DESIGNER: TRK
CHECKER: EDA
REVIEWER: MRS 09-26-24
PROJECT ID: 119144
SUBSET: 17 TOTAL: 24
SHEET: P.811 TOTAL: 940



REAR APPROACH SLAB



FORWARD APPROACH SLAB

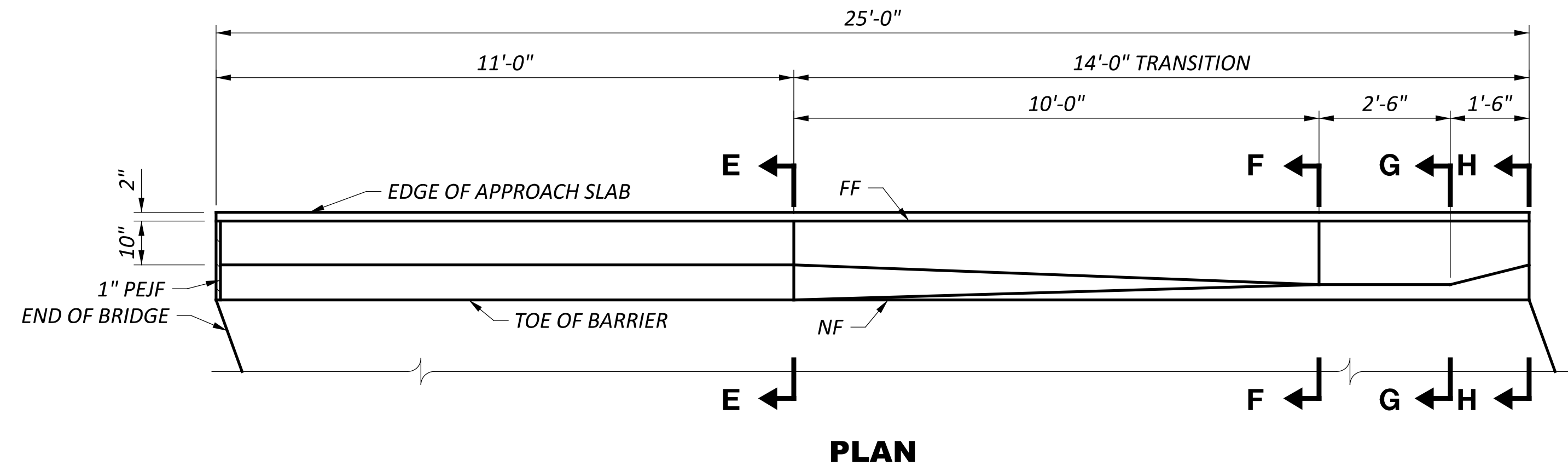


SECTION A-A

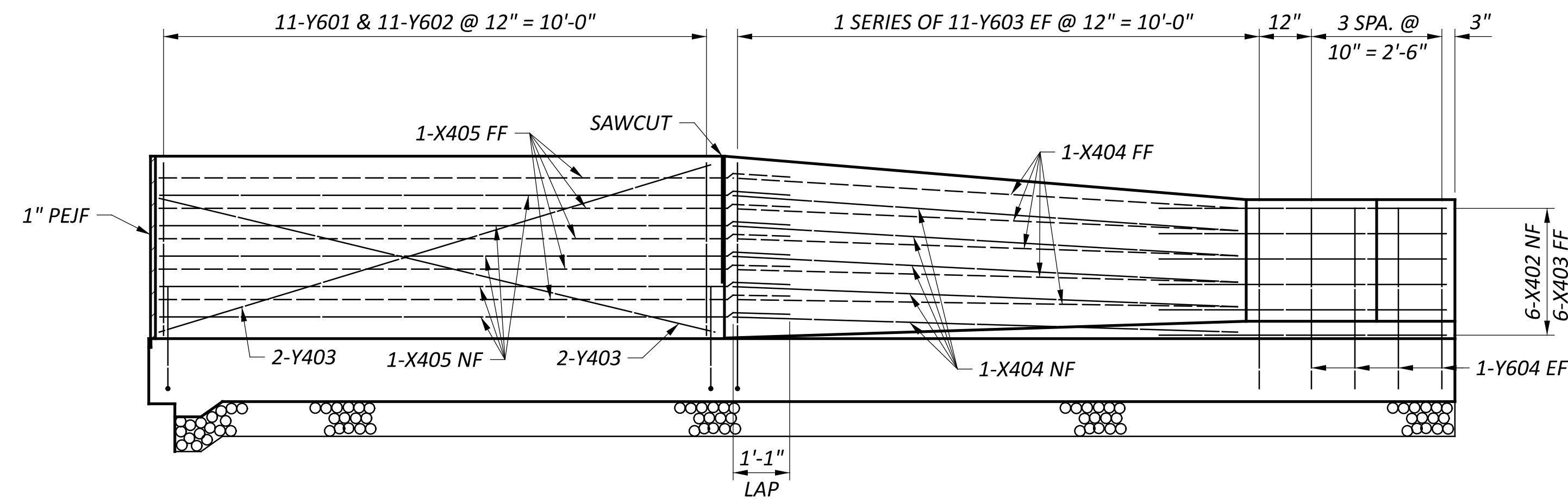
- NOTES:**
- FOR ADDITIONAL DETAILS OF THE BARRIER, SEE STD. DWG. SBR-1-20 AND SHEET [15] 24.
 - FOR ADDITIONAL DETAILS OF THE APPROACH SLAB, SEE STD. DWG. AS-1-15 AND AS-2-15.
 - FOR SECTION B-B AND SECTION C-C, SEE SHEET [22] 24.
 - OUTLET 6" PERFORATED PIPE UNDERDRAIN IN ACCORDANCE WITH STD. DWG. AS-2-15.
 - THE COST OF CONCRETE AND INCIDENTALS IN BARRIER TO BE INCLUDED WITH ITEM 526 REINFORCED CONCRETE, APPROACH SLAB, AS PER PLAN.

APPROACH SLABS
 BRIDGE NO. MEG-00033-19.462
 U.S. 33 OVER BOWMAN'S RUN AND C.R. 28 (BASHAN ROAD)

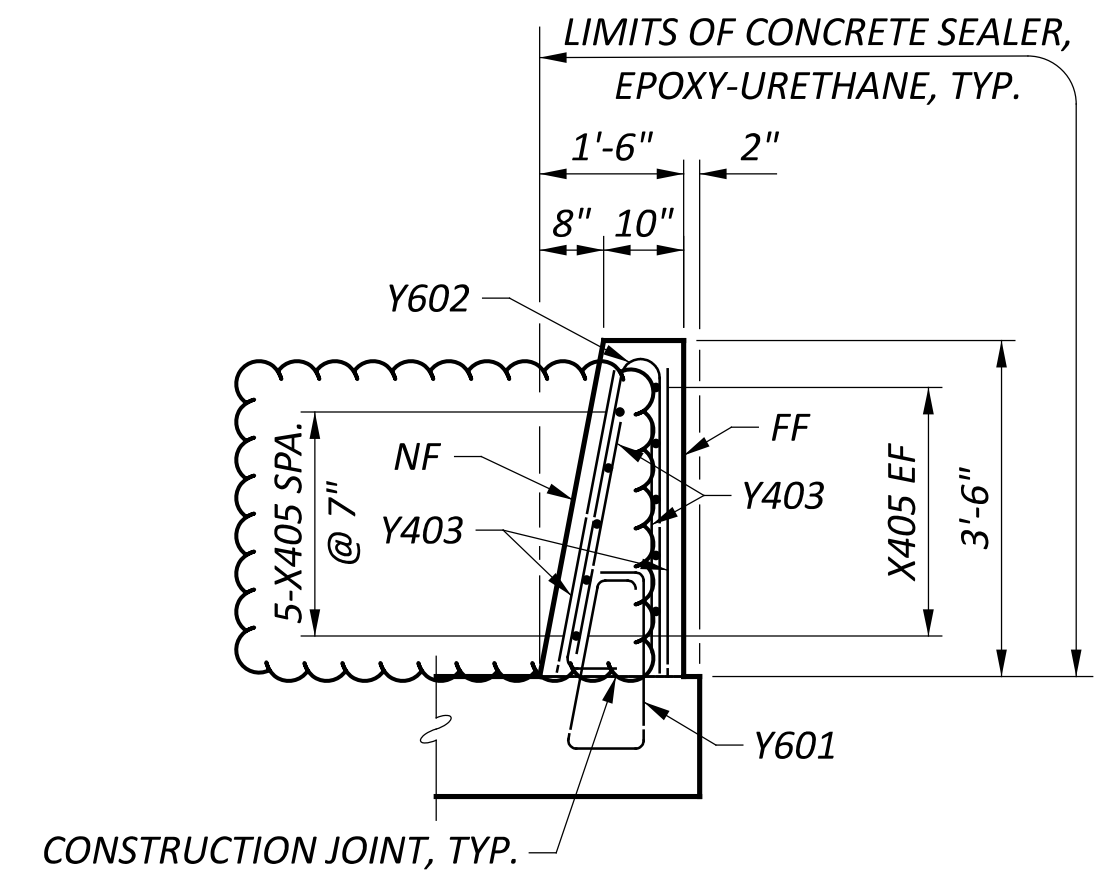
SFN	5300000
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	EDA
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	21
TOTAL	24
SHEET	P.815
TOTAL	940



PLAN

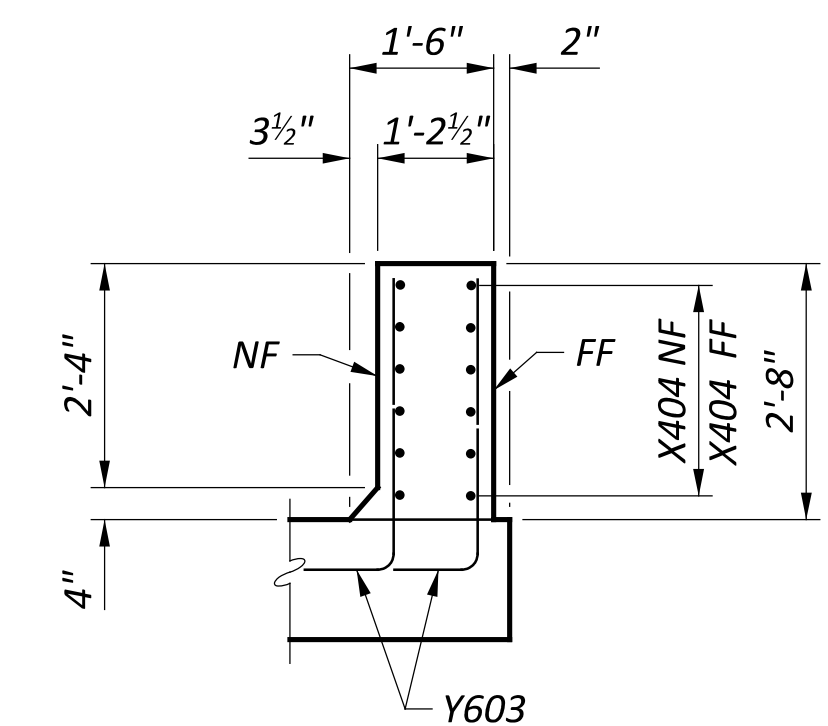


SECTION B-B & SECTION C-C
 (SECTION B-B OPPOSITE HAND)

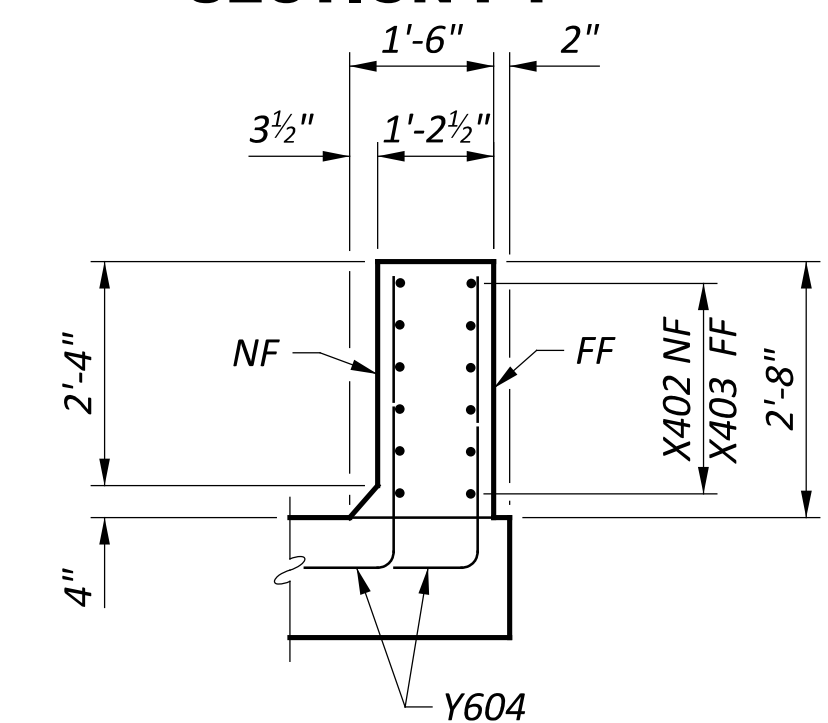


CONSTRUCTION JOINT, TYP.

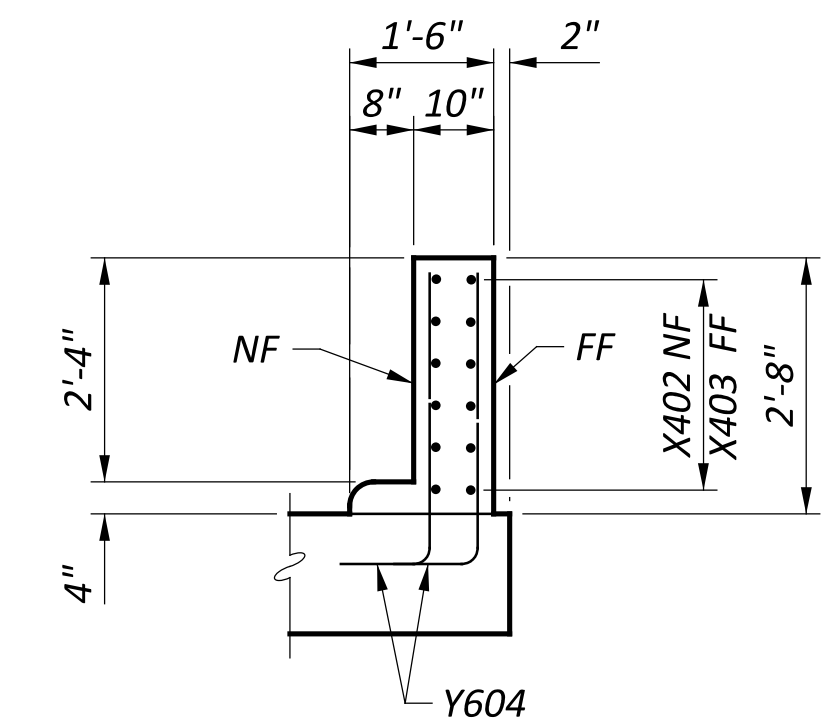
SECTION E-E



SECTION F-F



SECTION G-G



SECTION H-H

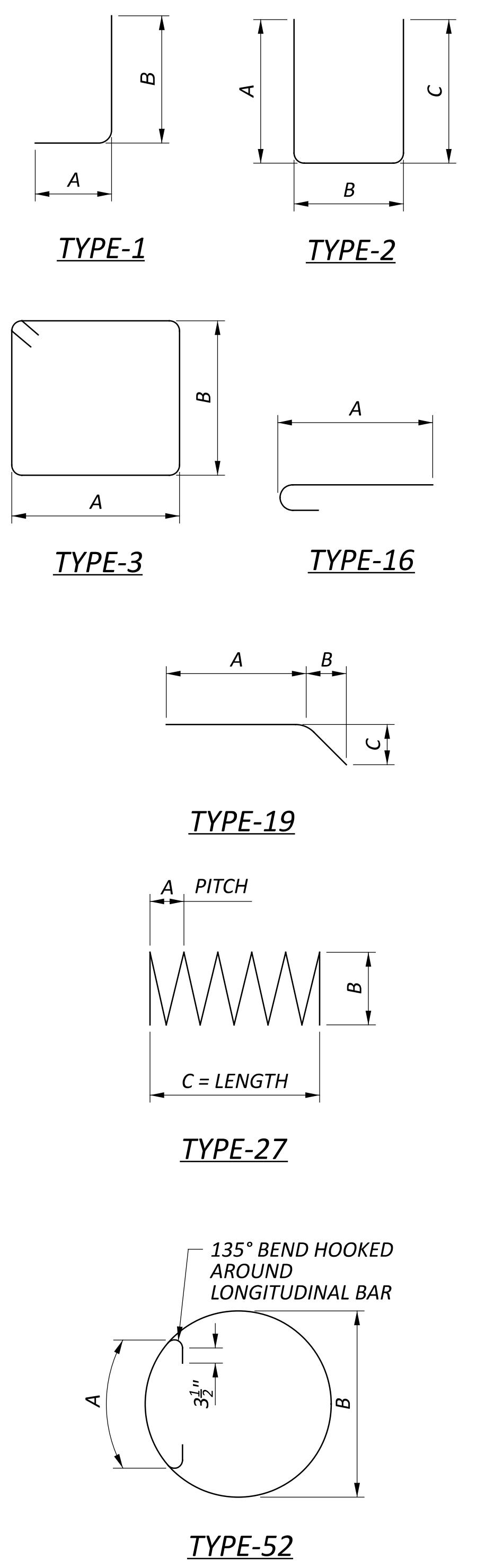
- NOTES:
 1. SEE ROADWAY PLANS FOR BRIDGE TERMINAL ASSEMBLY DETAILS.
 2. SEE SHEET [21] [24] FOR SECTION B-B & C-C LOCATIONS.

SFN 5300000	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100, COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
TRK	EDA
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
22	24
SHEET	TOTAL
P.816	940

MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
					A	B	C	D	E	R	INC
REAR ABUTMENT											
A901	18	30'-5"	1862	STR.							
A902	18	29'-1"	1780	STR.							
A801	4	17'-8"	189	STR.							
A802	4	17'-3"	184	STR.							
A601	60	17'-4"	1562	3	5'-8"	2'-7"					
A602	63	19'-4"	1829	3	4'-8"	4'-7"					
A501	12	28'-8"	359	STR.							
A502	6	6'-0"	38	STR.							
A503	38	13'-2"	522	3	3'-8"	2'-7"					
A504	6	17'-8"	111	STR.							
A505	6	17'-3"	108	STR.							
A506	8	27'-4"	228	STR.							
A507	34	16'-11"	600	2	8'-0"	1'-2"	8'-0"				
A508	34	14'-11"	529	2	7'-0"	1'-2"	7'-0"				
	2	8'-6"				2'-9"					
A509	SERIES OF	TO	202	3	1'-2"	TO					0'-6 3/4"
	8	15'-8"				6'-4"					
A510	16	16'-2"	270	STR.							
A511	4	19'-0"	79	STR.							
A512	4	21'-9"	91	STR.							
A513	12	23'-8"	296	STR.							
A514	4	11'-6"	48	19	8'-5"	2'-9"	1'-6"				
DA901	72	29'-5"	*	16	28'-2"						
DA401	6	25'-9"	*	27	0'-4"	2'-0"	25'-9"				
		SUB-TOTAL	10,887								
FORWARD ABUTMENT											
B901	18	30'-5"	1862	STR.							
B902	18	29'-1"	1780	STR.							
B801	4	17'-8"	189	STR.							
B802	4	17'-3"	184	STR.							
B601	60	17'-4"	1562	3	5'-8"	2'-7"					
B602	63	19'-4"	1829	3	4'-8"	4'-7"					
B501	12	28'-8"	359	STR.							
B502	6	6'-0"	38	STR.							
B503	38	13'-2"	522	3	3'-8"	2'-7"					
B504	6	17'-8"	111	STR.							
B505	6	17'-3"	108	STR.							
B506	8	27'-4"	228	STR.							
B507	34	17'-7"	624	2	8'-4"	1'-2"	8'-4"				
B508	34	14'-11"	529	2	7'-0"	1'-2"	7'-0"				
	1	8'-6"				2'-9"					
B509	SERIES OF	TO	104	3	1'-2"	TO					0'-6 3/4"
	8	16'-6"				6'-9"					

* FOR INFORMATION ONLY

MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
					A	B	C	D	E	R	INC
FORWARD ABUTMENT											
B510	16	16'-2"	270	STR.							
B511	4	18'-8"	78	STR.							
B512	4	21'-1"	88	STR.							
B513	12	23'-8"	296	STR.							
B514	4	11'-10"	49	19	8'-8"	2'-9"	1'-8"				
	1	8'-6"				2'-9"					
B515	SERIES OF	TO	103	3	1'-2"	TO					0'-6 1/2"
	8	16'-2"				6'-7"					
DB901	72	13'-9"	*	16	12'-6"						
DB401	6	10'-0"	*	27	0'-4"	2'-0"	10'-0"				
		SUB-TOTAL	10,913								
PIER											
P1001	16	27'-9"	1911	19	22'-7"	5'-1"	1'-0"				
P1002	8	38'-11"	1340	1	36'-1"	3'-2"					
P1003	8	22'-2"	763	1	19'-4"	3'-2"					
P901	48	11'-0"	1795	STR.							
P902	48	28'-3"	4610	16	27'-0"						
P501	NOT USED										
P502	16	25'-3"	421	STR.							
	4	13'-4"				3'-2"					
P503	SERIES OF	TO	658	3	3'-2"	TO					0'-4"
	11	15'-4"				4'-2"					
P504	104	15'-4"	1663	3	3'-2"	4'-2"					
P505	30	10'-10"	339	52	1'-6"	2'-10"					
SP501	3	22'-10"	1750	27	0'-4 1/2"	2'-10"	22'-10"				
DS901	48	15'-8"	*	STR.							
DS501	3	19'-9"	*	27	4 1/2"	2'-10"	19'-9"				
		SUB-TOTAL	15,250								



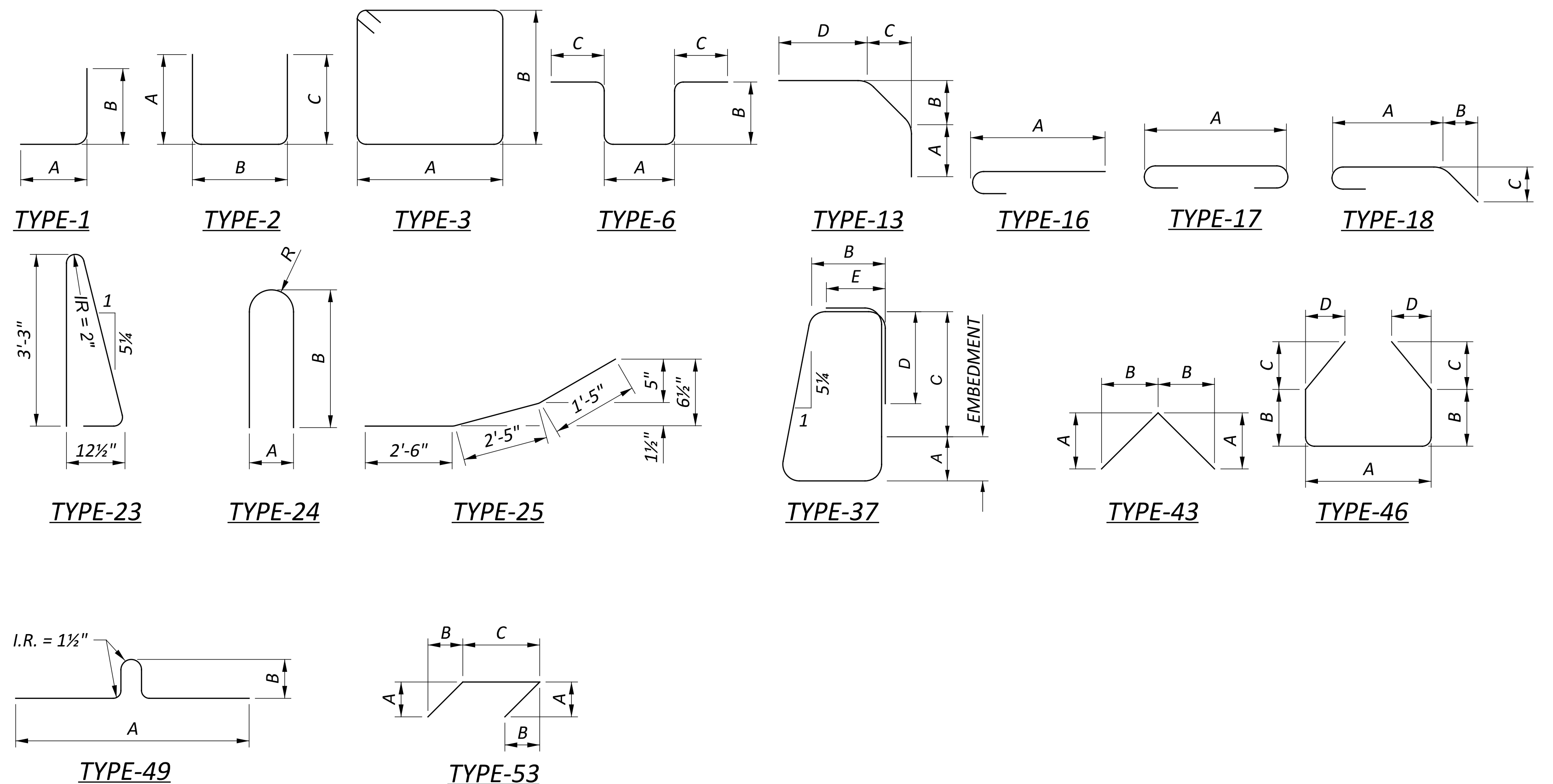
REINFORCING STEEL LIST (1)
 BRIDGE NO. MEG-00033-19.462
 U.S. 33 OVER BOWMAN'S RUN AND C.R. 28 (BASHAN ROAD)

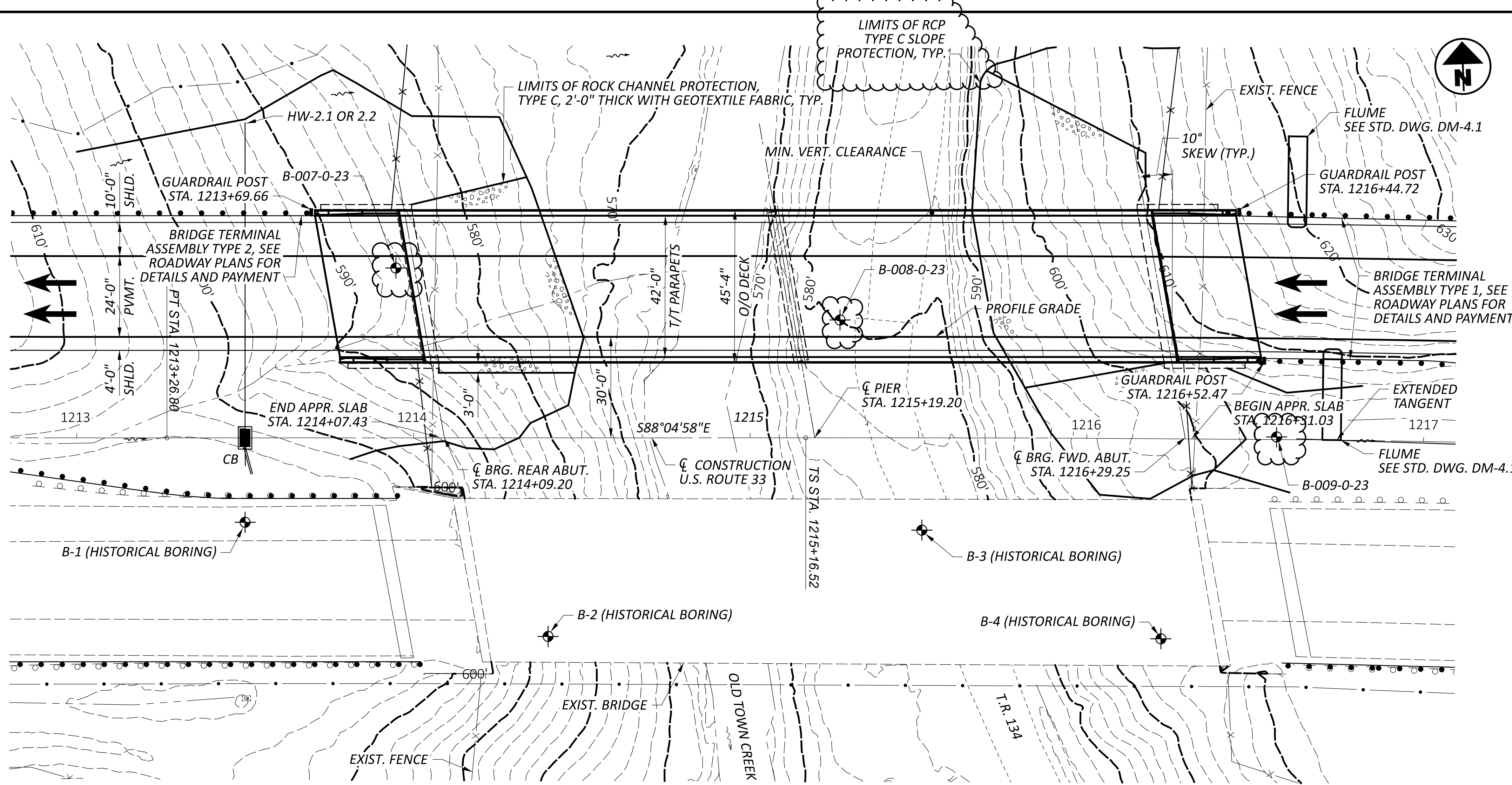
SFN	5300000
DESIGN AGENCY	
DESIGNER	ALH
CHECKER	EDA
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	23
TOTAL	24
SHEET	P.817
TOTAL	940

MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
					A	B	C	D	E	R	INC
SUPERSTRUCTURE AND APPROACH SLAB RAILING (EPOXY COATED STEEL REINFORCEMENT)											
D801	24	11'-0"	705	17	9'-4"						
D802	16	26'-7"	1136	STR.							
D803	8	16'-9"	358	STR.							
D804	8	27'-3"	582	STR.							
D805	12	2'-4"	75	STR.							
D806	56	4'-11"	735	18	2'-9"	1'-0"	1'-0"				
D807	8	8'-3"	176	17	6'-7"						
D808	4	1'-0"	11	STR.							
D809	32	7'-6"	641	1	5'-8"	2'-0"					
D601	24	9'-5"	339	STR.							
D602	8	7'-1"	85	STR.							
D501	136	14'-1"	1998	2	4'-10"	4'-8"	4'-10"				
D502	68	15'-11"	1129	2	6'-0"	4'-2"	6'-0"				
D401	5	11'-2"	37	24	0'-4"	5'-4"				2"	
D402	30	4'-0"	80	STR.							
D403	24	6'-9"	108	53	11 3/4"	4"	4'-11"				
D404	40	4'-6"	120	2	1'-0"	2'-9"	1'-0"				
D405	16	4'-6"	48	2	1'-0"	2'-9"	1'-0"				
D406	32	15'-9"	337	6	2'-8"	5'-9"	1'-0"				
D301	5	6'-2"	12	46	3'-0"	2"	8"	1'-4"			
D302	5	3'-3"	6	43	9"	1'-6"					
I401	192	8'-9"	*	3	6"	3'-8"					
I601	96	8'-11"	*	13	2'-10"	7"	1'-2"	4'-10"			
I602	144	8'-10"	*	STR.							
S801	16	26'-9"	1143	STR.							
S601	53	30'-0"	2388	STR.							
S602	53	26'-0"	2070	STR.							
S501	568	30'-0"	17,773	STR.							
S502	71	10'-4"	765	STR.							
S503	422	29'-6"	12,984	16	28'-11"						
S504	422	19'-8"	8656	16	19'-1"						
S505	844	24'-0"	21127	STR.							
S506	898	7'-9"	7259	16	7'-2"						
S507	4	7'-3"		16	6'-8"						
	27	42'-10"	2825	TO	42'-3"					1'-4 1/2"	
S401	432	30'-0"	8657	STR.							
S402	54	2'-4"	84	STR.							
S403	448	4'-8"	1397	STR.							
S404	600	4'-8"	1870	49	3'-9"	8"					
Y601	540	7'-2"	5813	37	9"	9 1/2"	1'-5"	1'-0"	7"		
Y602	540	7'-0"	5678	23							
	4	4'-1"				3'-3"					
Y603	SERIES OF	TO	297	1	1'-0"	TO				0'-1"	
	11	4'-11"				4'-1"					
Y604	32	4'-1"	196	1	1'-0"	3'-3"					
SUB-TOTAL			109,700								

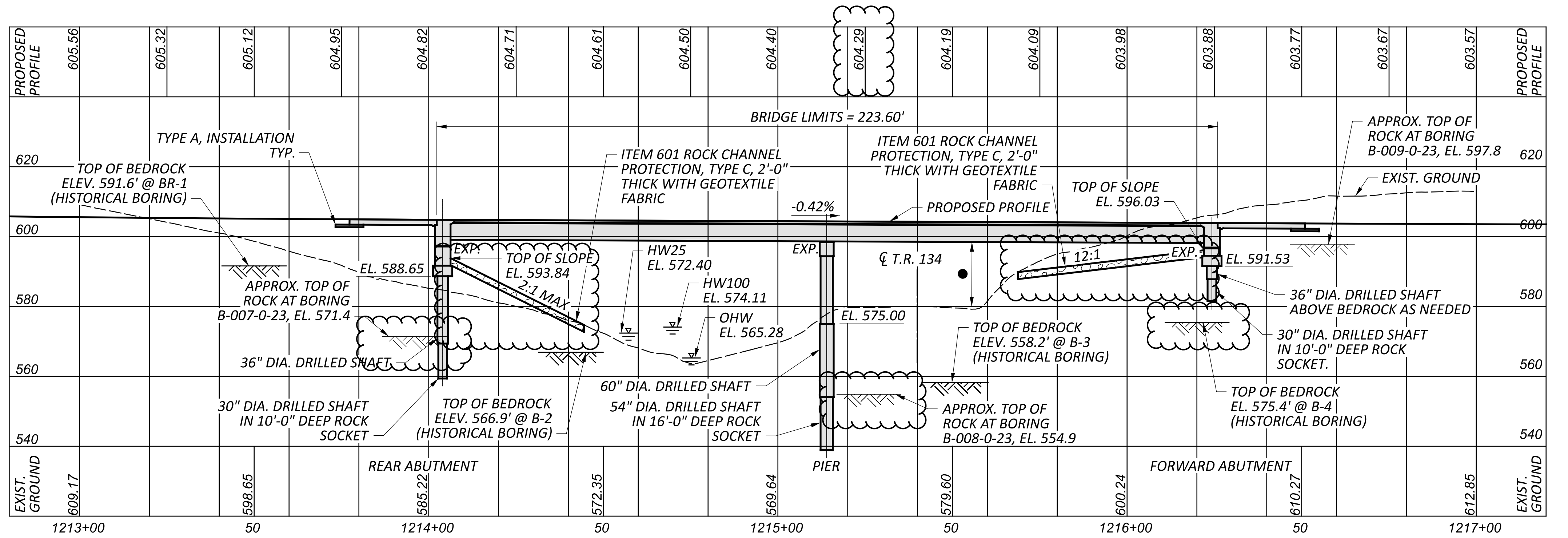
MARK	NUMBER TOTAL	LENGTH	TOTAL LENGTH	TYPE	DIMENSIONS						
					A	B	C	D	E	R	INC
SUPERSTRUCTURE AND APPROACH SLAB RAILING (GLASS FIBER REINFORCED POLYMER - GFRP)											
X401	120	38'-8"	4640'-0"	STR.							
X402	24	6'-4"	152'-0"	25	2'-6"	2'-5"	1'-4"	1 1/2"	5"		
X403	24	5'-1"	122'-0"	STR.							
X404	40	10'-0"	400'-0"	STR.							
X405	40	11'-11"	476'-8"	STR.							
Y401	160	10'-0"	1600'-0"	STR.							
Y402	16	13'-4"	213'-4"	STR.							
Y403	16	11'-0"	176'-0"	STR.							
SUB-TOTAL			7780'-0"								

* FOR INFORMATION ONLY





PLAN



PROFILE

BENCHMARK DATA				
SV5112 STA.	1213+26.818	ELEV.	603.732	OFFSET 0.079', RT.
SV5113 STA.	1208+00.031	ELEV.	615.000	OFFSET 0.018', RT.
SV5114 STA.	1218+81.549	ELEV.	601.314	OFFSET 0.059', RT.
SV5115 STA.	1225+00.001	ELEV.	604.582	OFFSET 0.270', LT.

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET

NOTES
 EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
 2028 ADT = 3410 2028 ADTT = 887
 2048 ADT = 4015 2028 ADTT = 1044
 WESTBOUND TRAFFIC ONLY CARRIED ON BRIDGE

LEGEND
 ◉ BORING LOCATION
 ● 14'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
 18'-0"± ACTUAL MINIMUM VERTICAL CLEARANCE

HYDRAULIC DATA
 DRAINAGE AREA = 4.33 SQ. MILES
 Q (25) = 1110 CFS V (25) = 4.96 FT/S
 Q (100) = 1630 CFS V (100) = 5.59 FT/S
 STRUCTURE CLEARS THE 25 YEAR DESIGN HW BY 25.22 FEET.

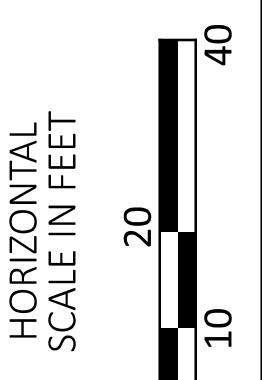
DATA FOR THE SPIRAL CURVE	
P.I. STA. 1217+59.92 R3	k = 182.47'
Ls = 365.00'	p = 2.18'
θs = 04°06'22"	C = 364.92'
LT = 243.40'	START = STA. 1215+16.52
ST = 121.73'	END = STA. 1218+81.52
x = 364.81'	C.B. = S86°42'51"E
y = 8.72'	

PROPOSED STRUCTURE

TYPE: PRESTRESSED CONCRETE I BEAMS (WF60-49) WITH COMPOSITE CONCRETE DECK SUPPORTED BY SEMI-INTEGRAL ABUTMENTS ON DRILLED SHAFTS INTO BEDROCK.

SPANS: 108'-11", 108'-11" C/C BEARINGS MEASURED ALONG THE TANGENT
 ROADWAY: 42'-0" TOE/TOE PARAPET
 LOADING: HL93 AND 60 PSF FUTURE WEARING SURFACE
 SKEW: 10°00'00" RIGHT FORWARD
 WEARING SURFACE: 1" MONOLITHIC WEARING SURFACE
 APPROACH SLABS: 25'-0" LONG (AS-1-15, AS-2-15)
 ALIGNMENT: TANGENT
 CROWN: 0.016 FT/FT
 DECK AREA: 10141 SF

COORDINATES: LATITUDE 38°57'57.21"
 LONGITUDE -81°49'49.58"



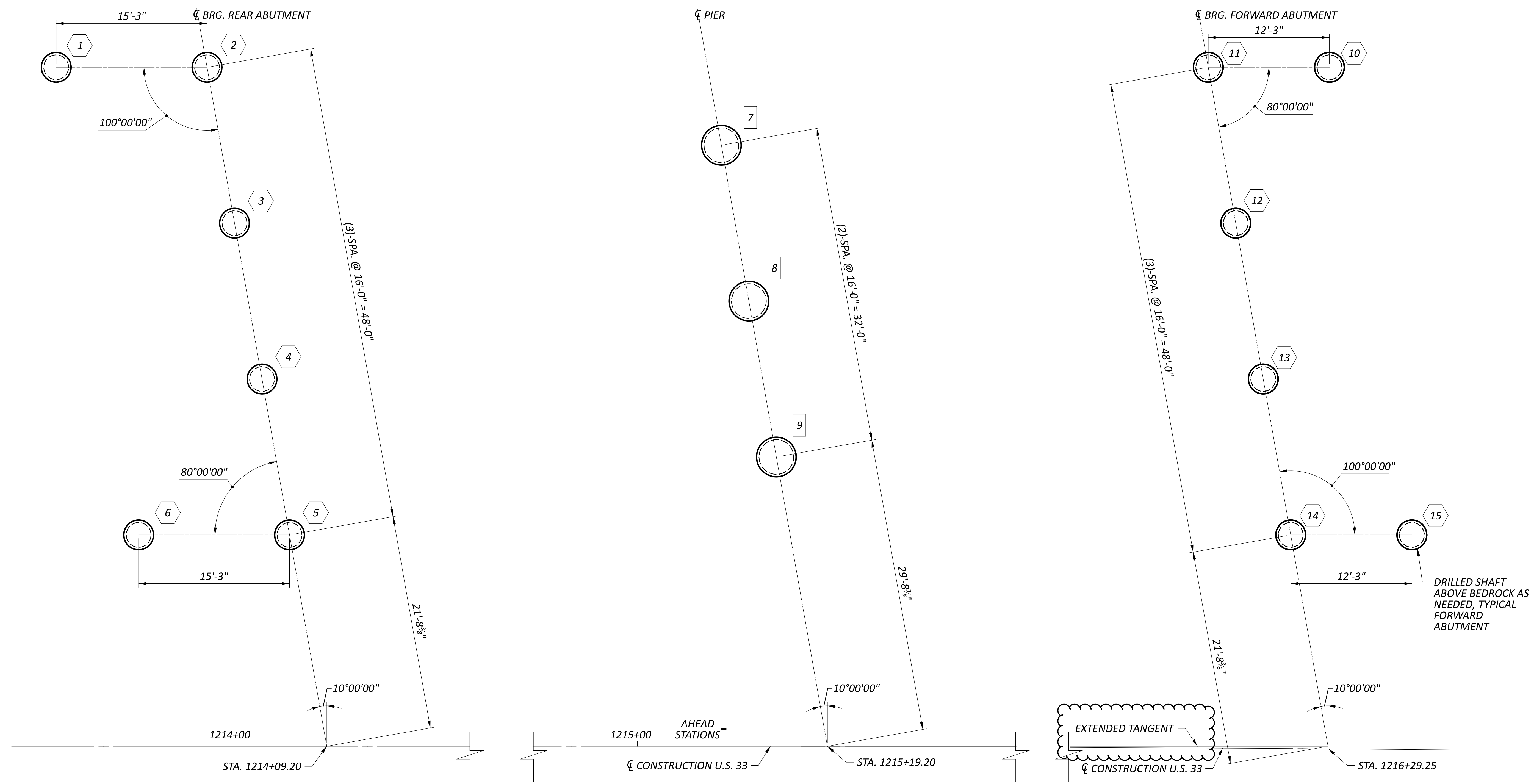
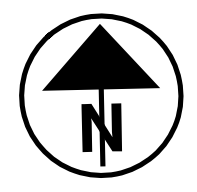
SITE PLAN
 BRIDGE NO. MEG-00033-23.994
 U.S. 33 OVER OLD TOWN CREEK AND T.R. 134 (SHARON HOLLOW RD)

SFN	5300002
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	BSM
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	1 TOTAL 24
SHEET	P.819 TOTAL 940

CALCULATED BY: TRK CHECKED BY: BSM										
ITEM	EXT	TOTAL	UNIT	DESCRIPTION	REAR ABUTMENT	FORWARD ABUTMENT	PIER	SUPER	GENERAL	SEE SHEET
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-23.994 SFN 5300002) (PARTICIPATION CODE 03/NHS/08)										
503	11100	LS		COFFERDAMS AND EXCAVATION BRACING					LUMP	
503	21300	LS		UNCLASSIFIED EXCAVATION					LUMP	
503	21320	LS		UNCLASSIFIED EXCAVATION, INCLUDING ROCK					LUMP	
509	10000	142,431	LB	EPOXY COATED STEEL REINFORCEMENT	10,935	10,611	12,804	108,081		
509	30020	7,696	FT	NO. 4 DEFORMED GFRP REINFORCEMENT				7,696		
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	1	1				
511	34447	470	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN				470		17,18 24
511	34450	68	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)				68		
511	41010	52	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS			52			
511	43512	204	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	124	80				
512	10100	1,402	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	86	67	134	1,115		
512	10300	1,044	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN				1,044		
512	33000	18	SY	TYPE 2 WATERPROOFING	10	8				
515	15110	10	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF60-49 ,110'-7"				10		
515	20000	24	EACH	INTERMEDIATE DIAPHRAGMS				24		
516	13600	17	SF	1" PREFORMED EXPANSION JOINT FILLER				17		
516	13900	235	SF	2" PREFORMED EXPANSION JOINT FILLER	121	114				
516	14020	136	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	68	68				
516	44100	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) (2.064"x11"x28")			10			
516	44101	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (2.064"x11"x30")	5	5				13 24
518	21200	106	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	65	41				
518	40000	146	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	76	70				
518	40010	46	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	27	19				
524	94604	120	FT	DRILLED SHAFTS, 30" DIAMETER, INTO BEDROCK	60	60				
524	94702	134	FT	DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK	116	18				
524	94908	30	FT	DRILLED SHAFTS, 54" DIAMETER, INTO BEDROCK			30			
524	94914	63	FT	DRILLED SHAFTS, 60" DIAMETER, ABOVE BEDROCK			63			
526	25011	252	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN					252	21 24
526	90010	92	FT	TYPE A INSTALLATION					92	
601	32204	341	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	163	178				
846	00110	39	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM					39	
894	10000	3	EACH	THERMAL INTEGRITY PROFILING (TIP) TEST	1	1	1			
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-24.010 SFN 5301661) (PARTICIPATION CODE 02/NHS/04)										
512	10100	408	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				408		2 24
512	10300	1,186	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN				1,186		

ESTIMATED QUANTITIES
 BRIDGE NO. MEG-00033-23.994
 U.S. 33 OVER OLD TOWN CREEK AND T.R. 134 (SHARON HOLLOW RD)

SFN		5300002
DESIGN AGENCY		
 Stantec		
1500 LAKE SHORE DRIVE, SUITE 100 COLUMBUS, OH 43204 (614) 486-4383		
DESIGNER	CHECKER	REVIEWER
TRK	BSM	MRS 09-26-24
PROJECT ID		
119144		
SUBSET	TOTAL	
3	24	
SHEET	TOTAL	
P.821	940	

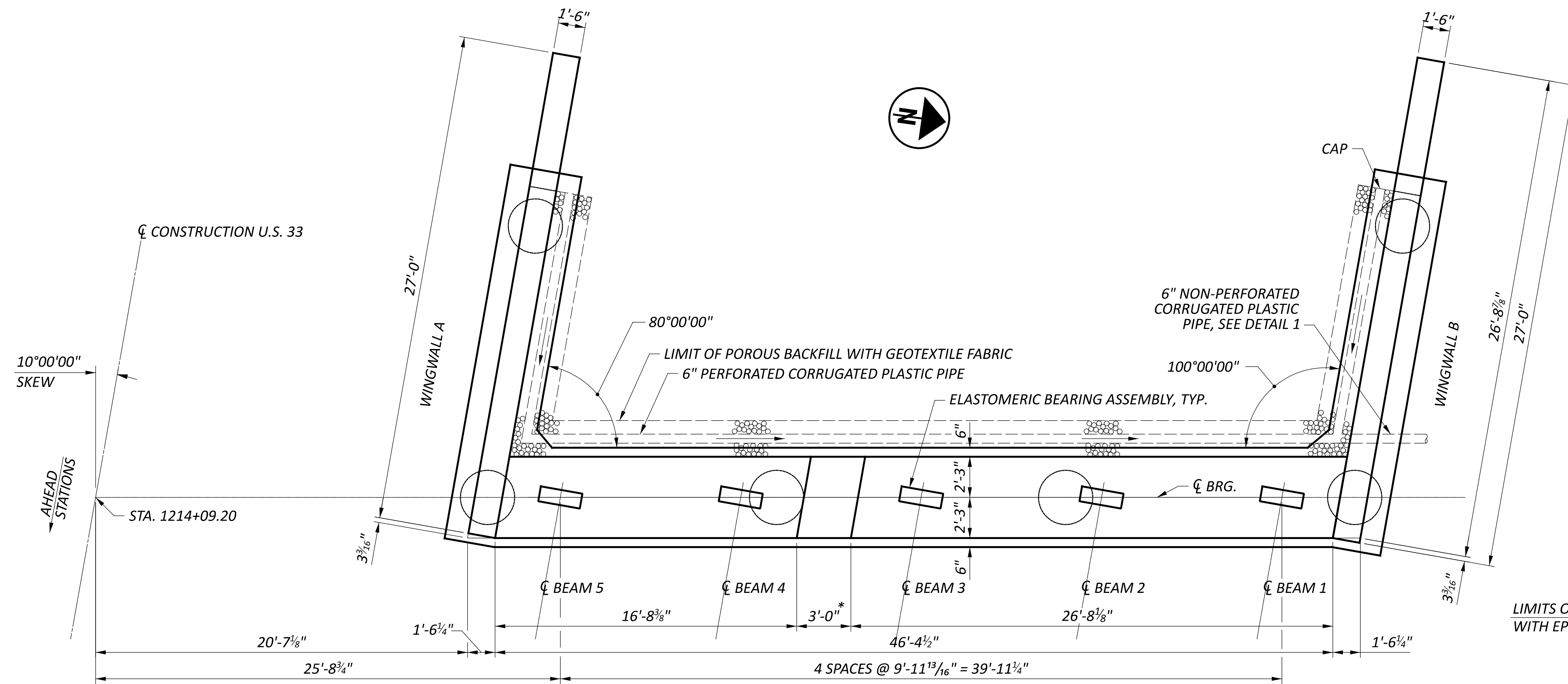


FOUNDATION PLAN

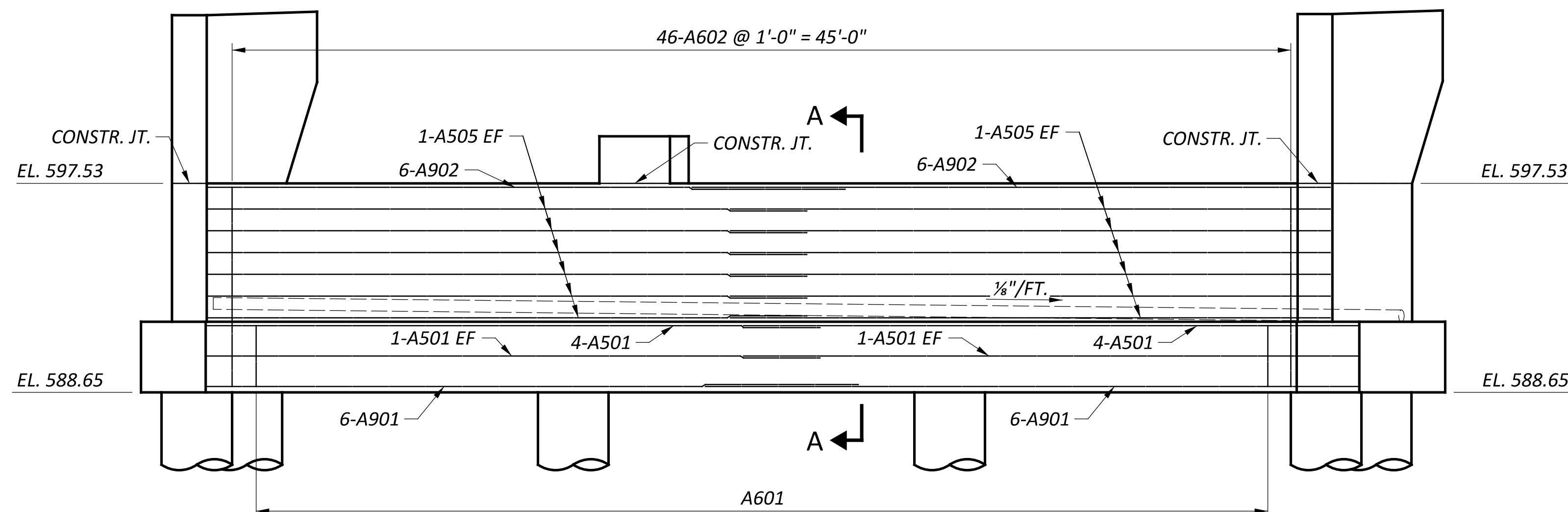
- LEGEND:**
- # DESIGNATES 36" DIA. DRILLED SHAFT WITH 30" DIA. ROCK SOCKET AND NUMBER
 - # DESIGNATES 60" DIA. DRILLED SHAFT WITH 54" DIA. ROCK SOCKET AND NUMBER

FOUNDATION LAYOUT
 BRIDGE NO. MEG-00033-23.994
 U.S. 33 OVER OLD TOWN CREEK AND T.R. 134 (SHARON HOLLOW RD)

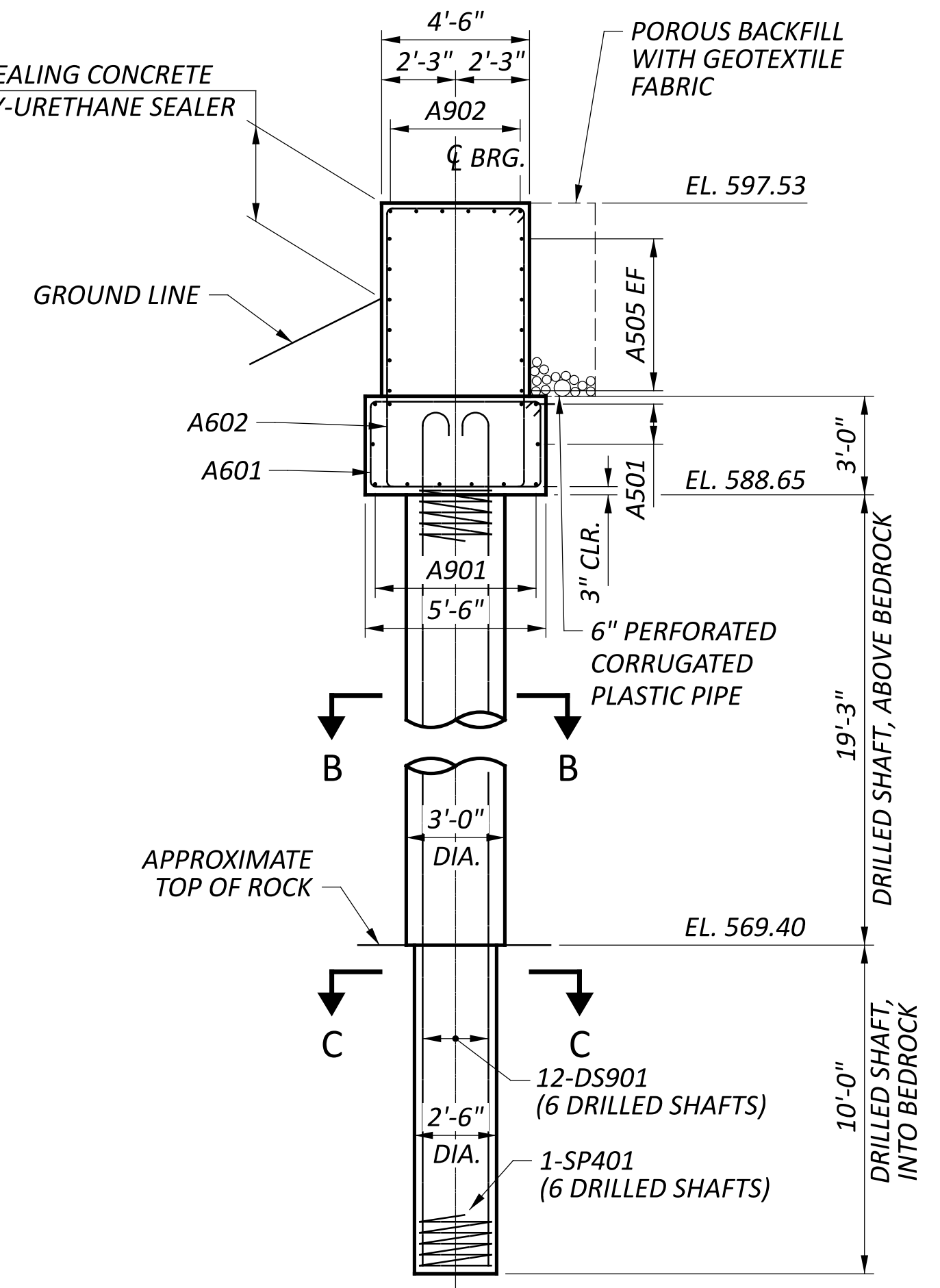
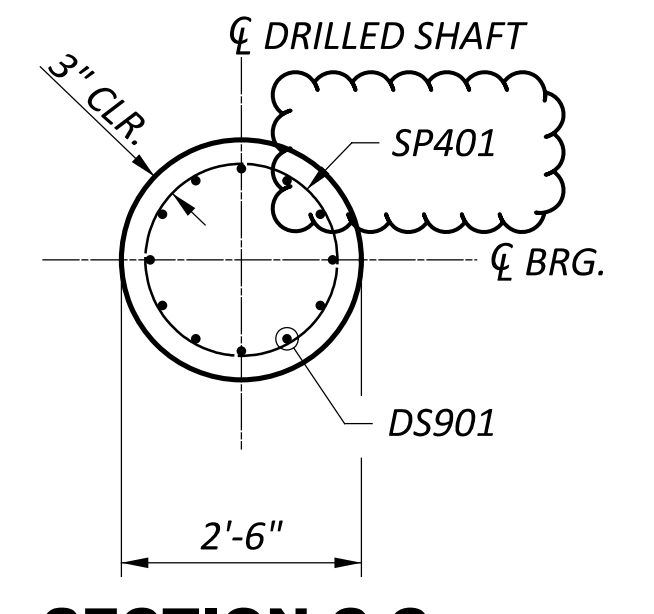
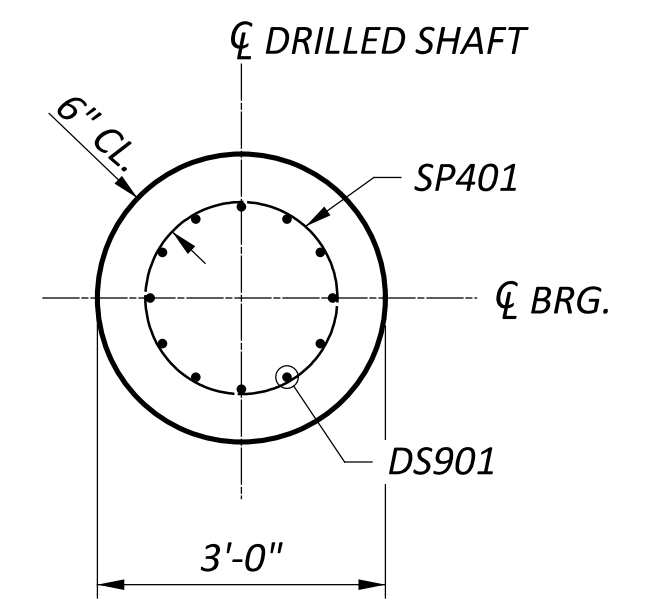
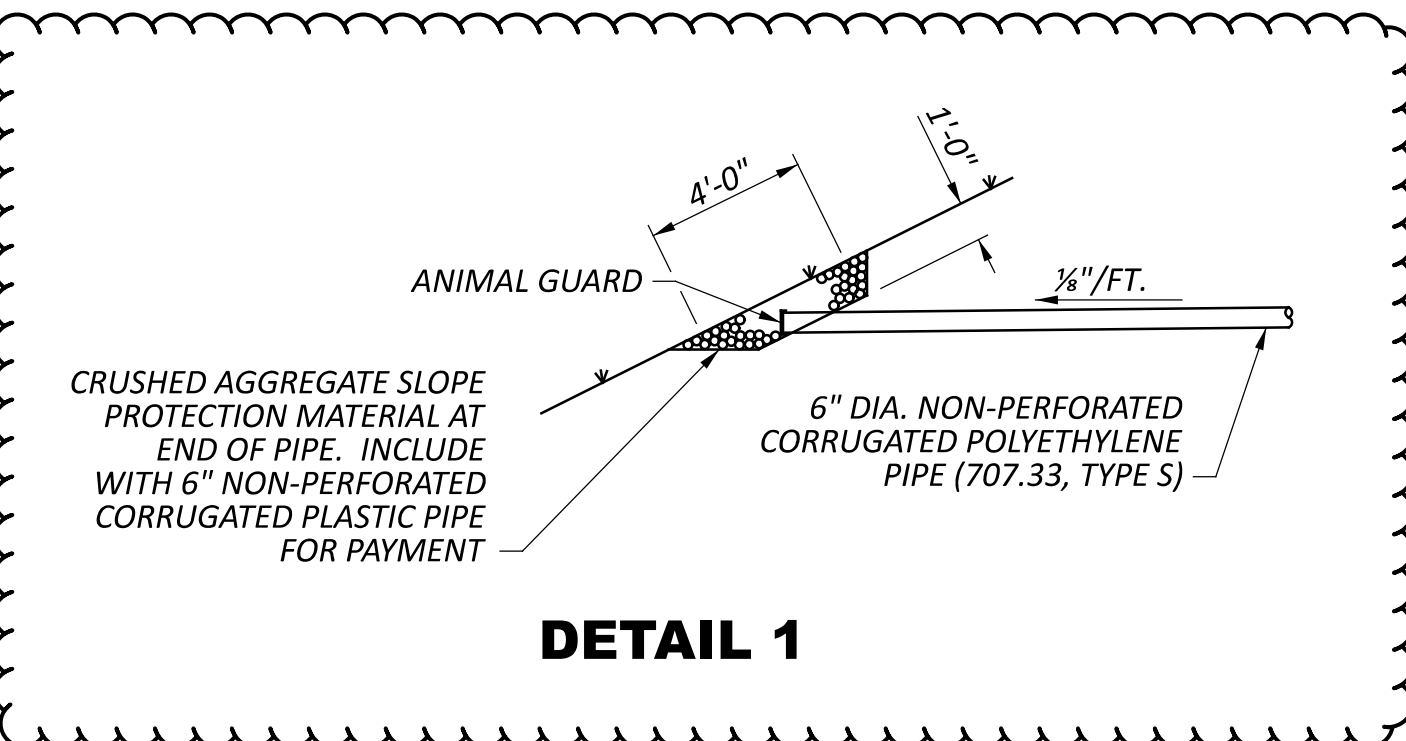
SFN		5300002	
DESIGN AGENCY			
1500 LAKE SHORE DRIVE, SUITE 100 COLUMBUS, OH 43204 (614) 486-4383			
DESIGNER	CHECKER	REVIEWER	
TRK	BSM	MRS 09-26-24	
PROJECT ID			
119144			
SUBSET	TOTAL		
4	24		
SHEET	TOTAL		
P.822	940		



* SEMI-INTEGRAL ABUTMENT DIAPHRAGM GUIDE LOCATION, SEE STD. SPEC 2-14 FOR DETAILS AND REINFORCING.



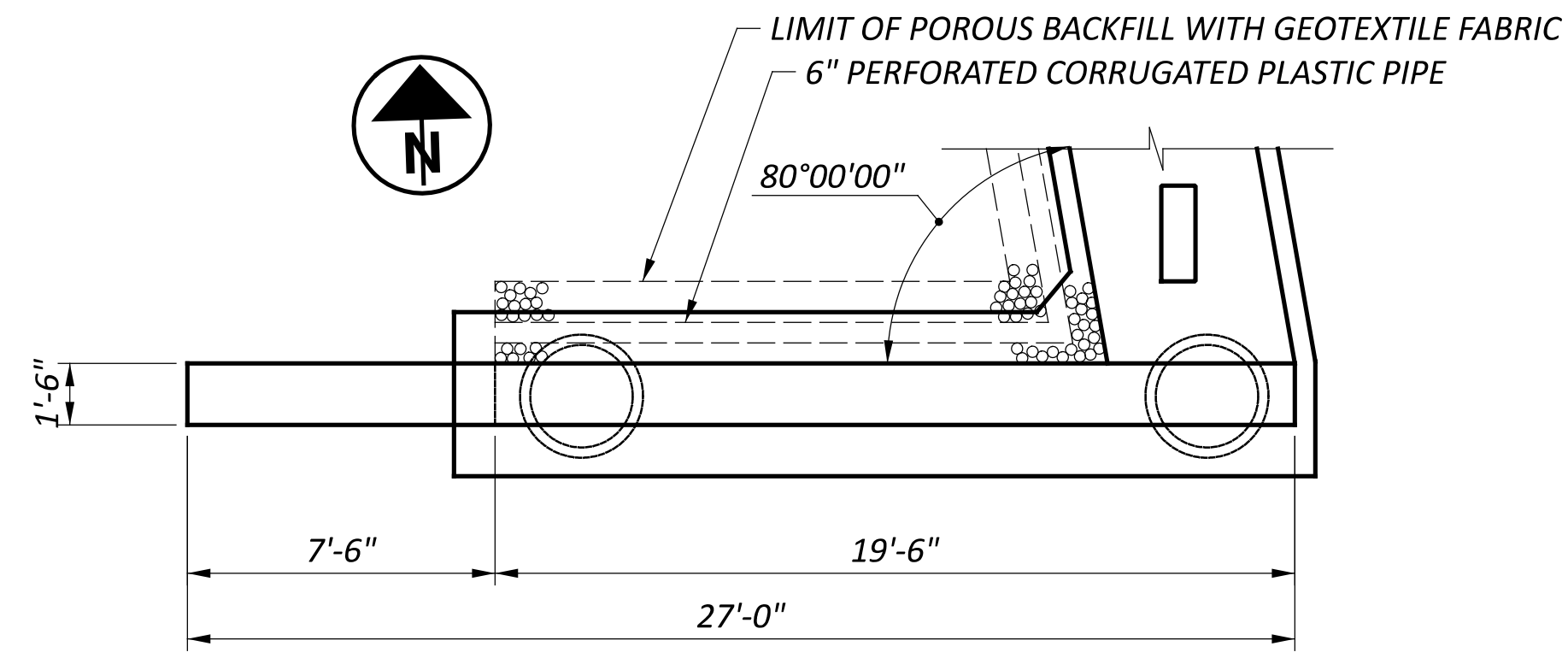
LAP LENGTHS:
 #5 BARS = 3'-3"
 #9 BARS = 6'-6"



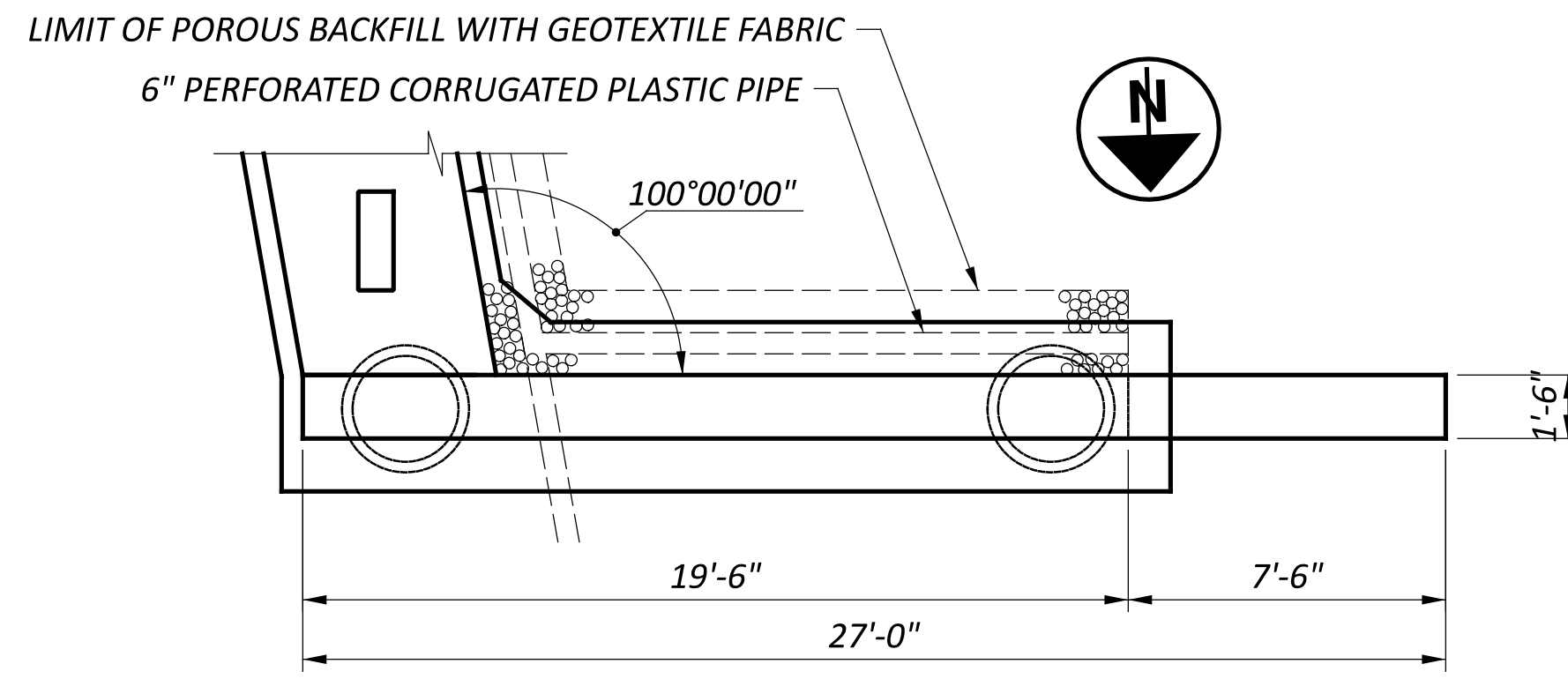
- NOTES:**
1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET [4 | 24].
 2. FOR FOOTING PLAN, SEE SHEET [7 | 24].
 3. POROUS BACKFILL WITH GEOTEXTILE FABRIC, 2'-0" THICK, SHALL EXTEND UP TO THE PLANE OF SUBGRADE, 2'-0" BELOW THE EMBANKMENT SURFACE, AND LATERALLY AS SHOWN.
 4. FOR WINGWALL DETAILS, SEE SHEET [6 | 24].

REAR ABUTMENT (1)
 BRIDGE NO. MEG-00033-23.994
 U.S. 33 OVER OLD TOWN CREEK AND T.R. 134 (SHARON HOLLOW RD)

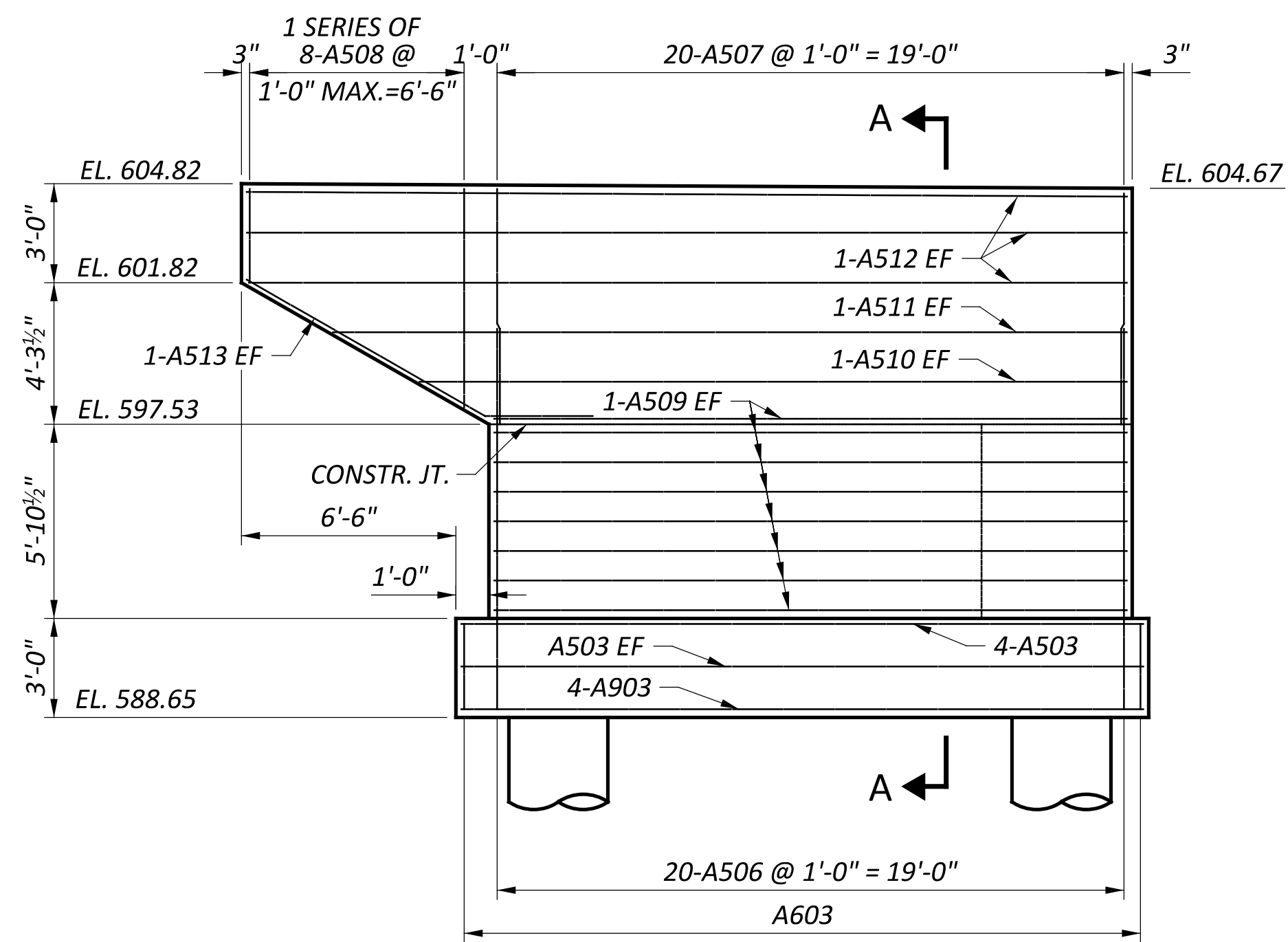
SFN	5300002
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	BSM
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	5 TOTAL 24
SHEET	P.823 TOTAL 940



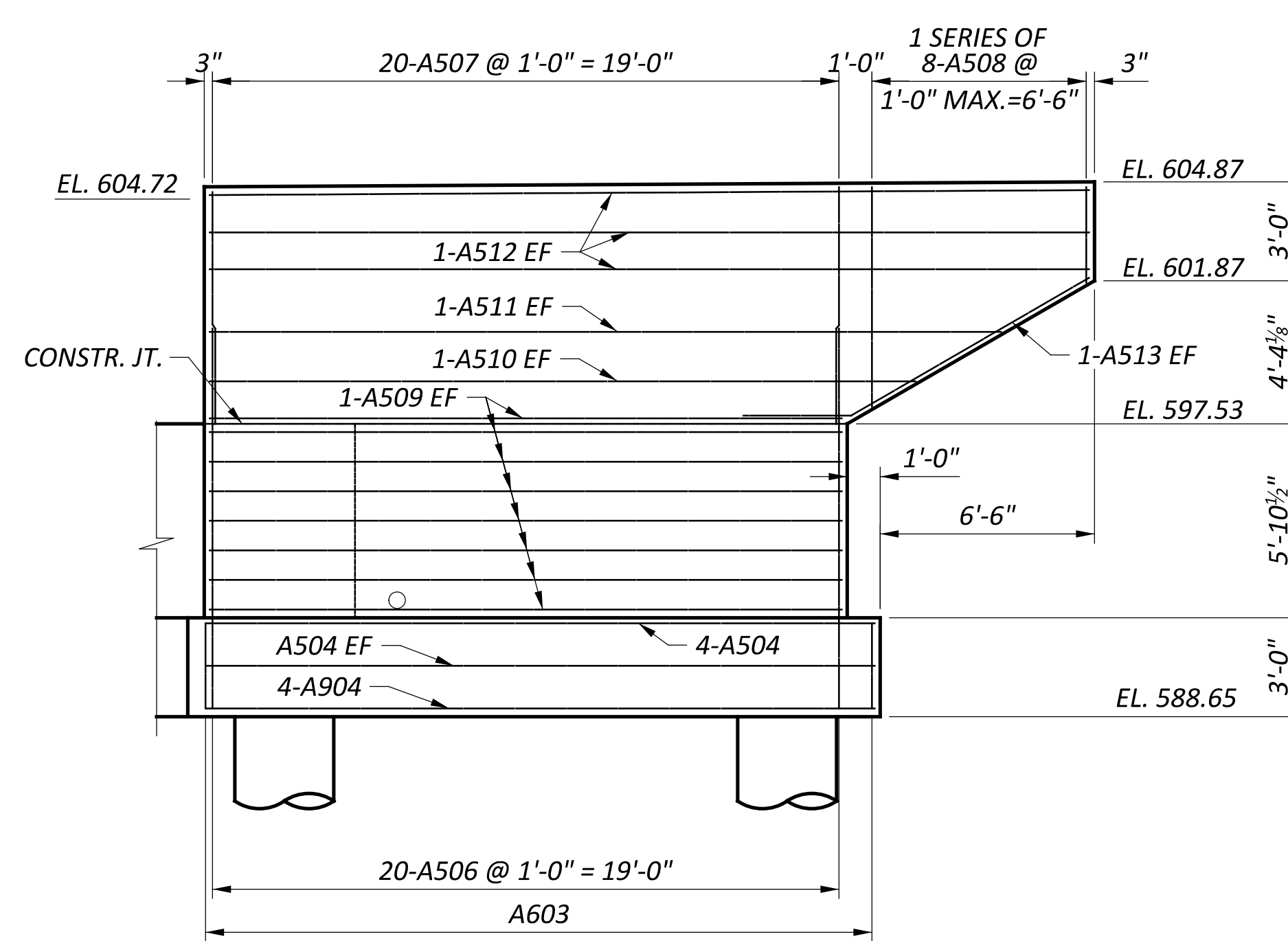
WINGWALL A PLAN



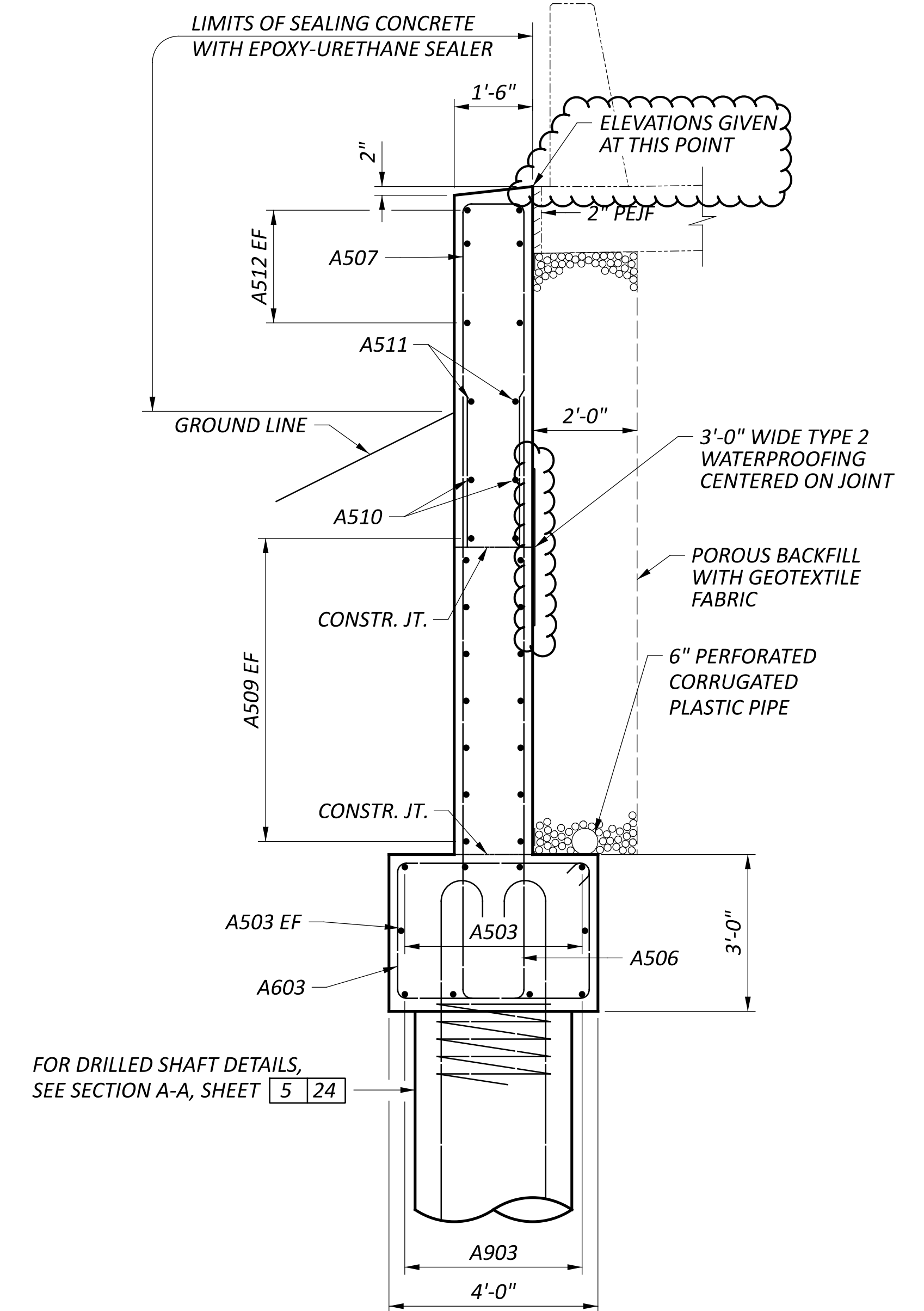
WINGWALL B PLAN



WINGWALL A ELEVATION



WINGWALL B ELEVATION

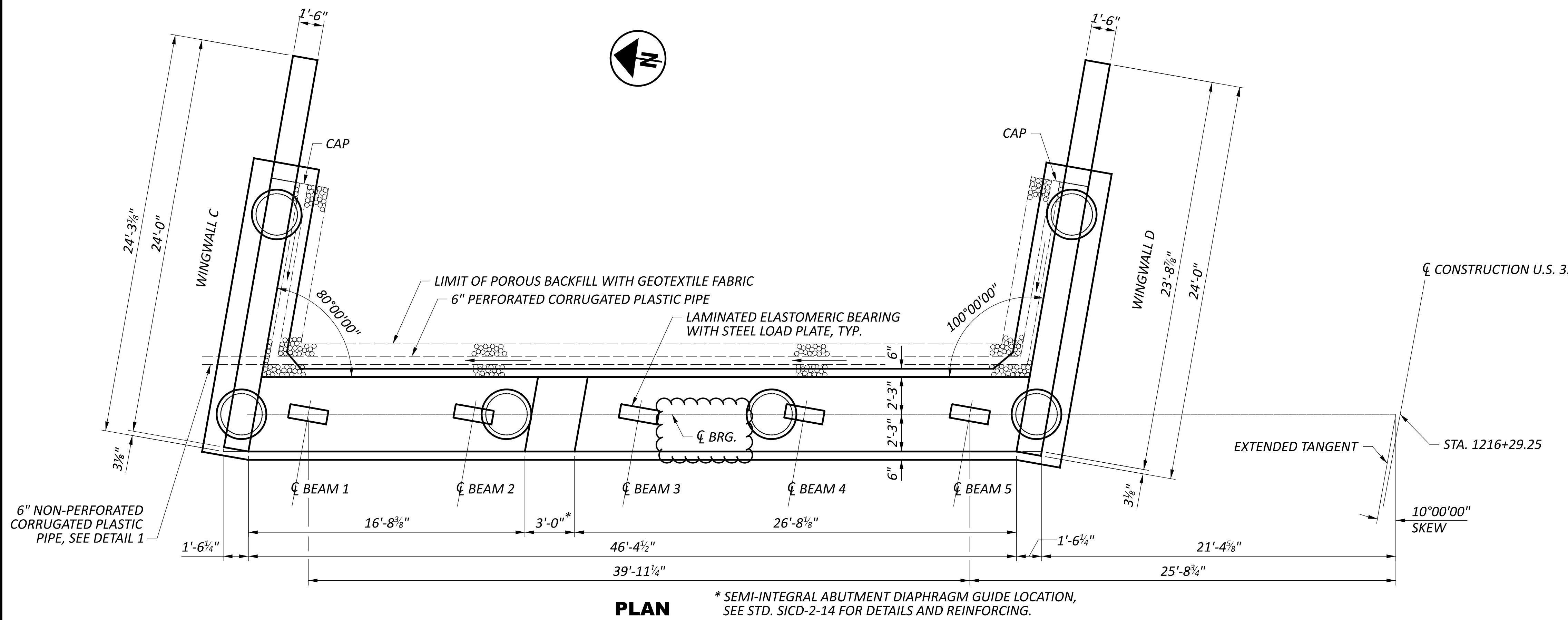


SECTION A-A
 (WINGWALL A SHOWN,
 WINGWALL B SIMILAR)

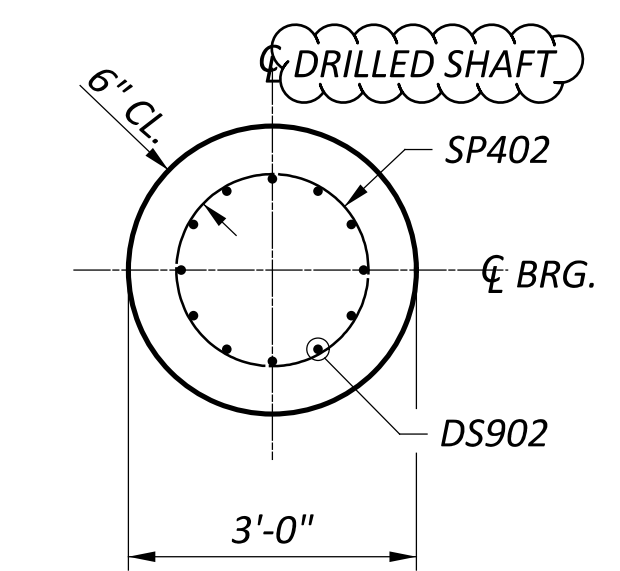
FOR DRILLED SHAFT DETAILS,
 SEE SECTION A-A, SHEET 5 24

- NOTES:**
1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET 4 24 .
 2. FOR FOOTING PLAN, SEE SHEET 7 24 .
 3. POROUS BACKFILL WITH GEOTEXTILE FABRIC, 2'-0" THICK, SHALL EXTEND UP TO THE PLANE OF SUBGRADE, 2'-0" BELOW THE EMBANKMENT SURFACE, AND LATERALLY AS SHOWN.

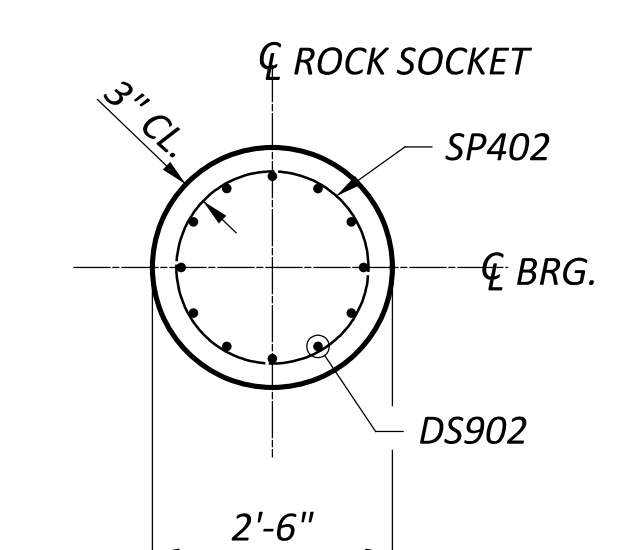
SFN 5300002	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100, COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
TRK	BSM
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
6	24
SHEET	TOTAL
P.824	940



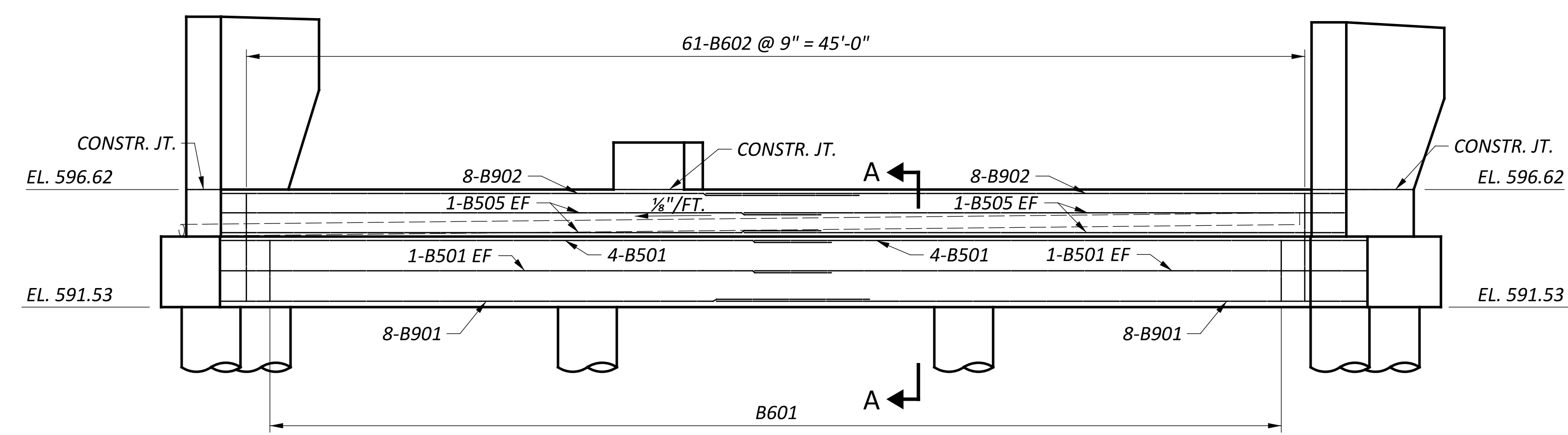
PLAN *SEMI-INTEGRAL ABUTMENT DIAPHRAGM GUIDE LOCATION, SEE STD. SICD-2-14 FOR DETAILS AND REINFORCING.



SECTION B-B

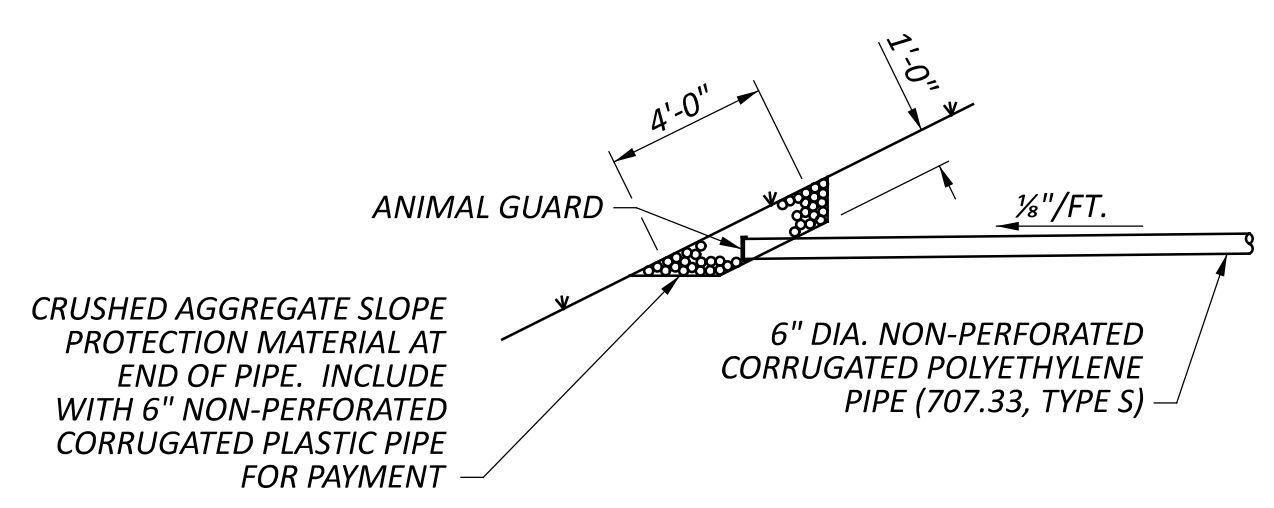


SECTION C-C

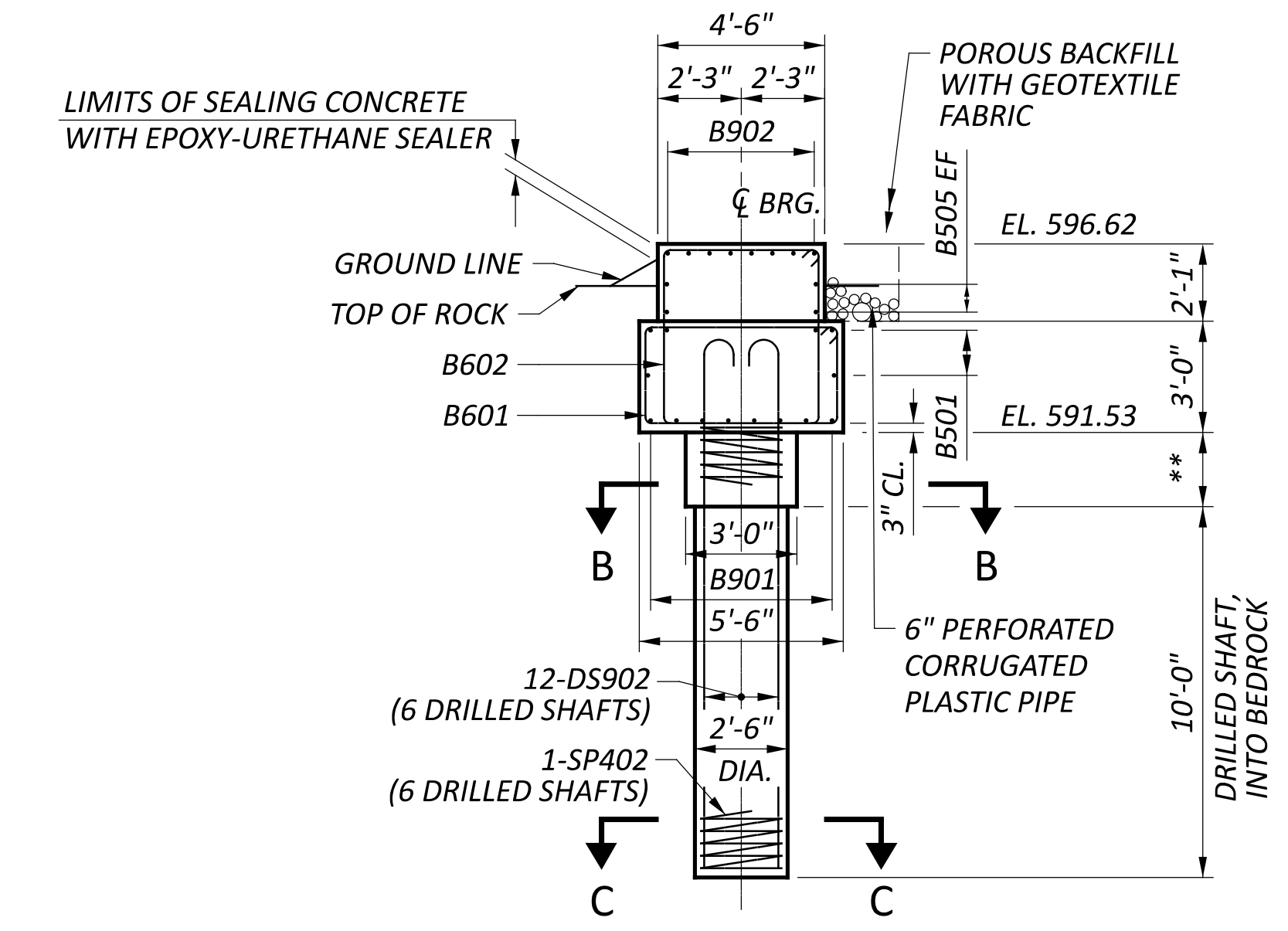


ELEVATION

LAP LENGTHS:
 #5 BARS = 3'-3"
 #9 BARS = 6'-6"



DETAIL 1

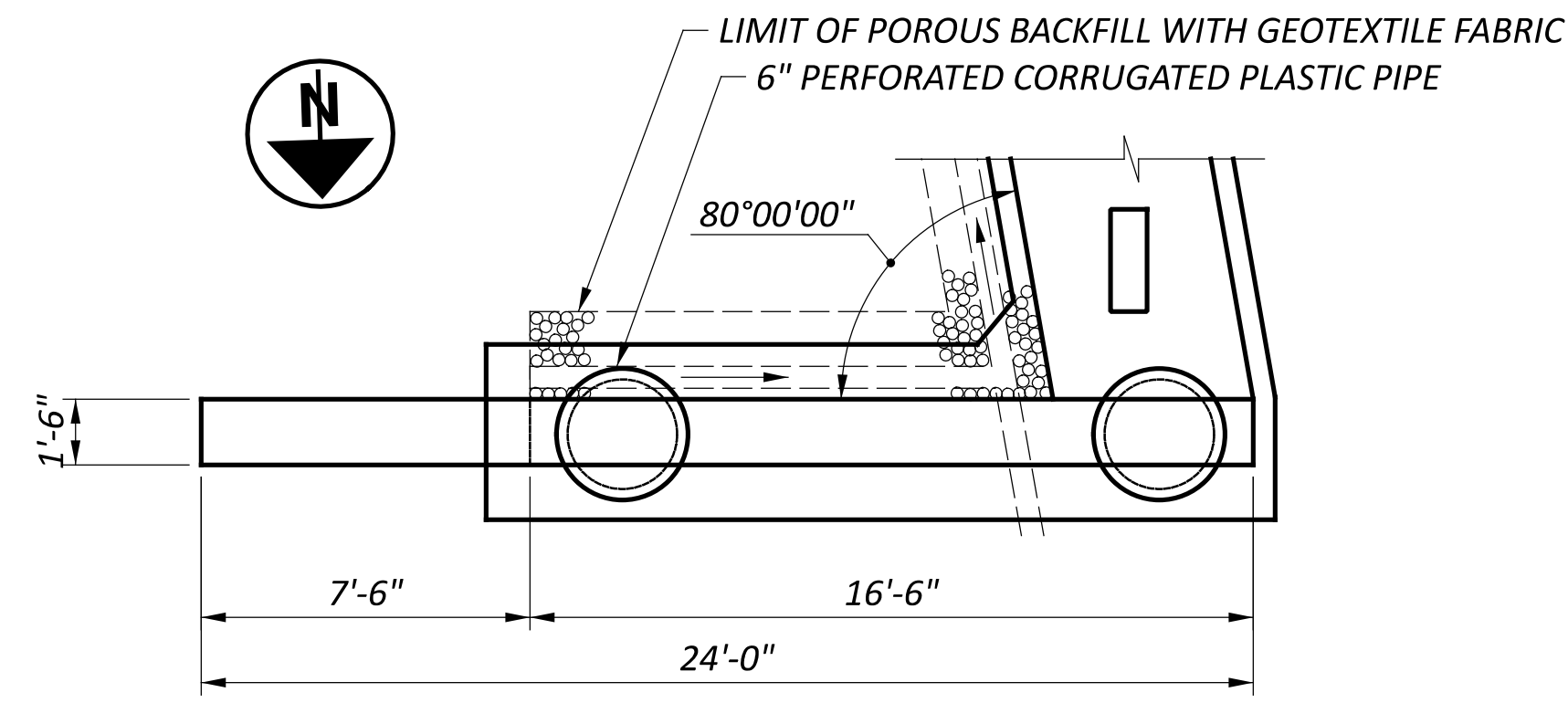


SECTION A-A

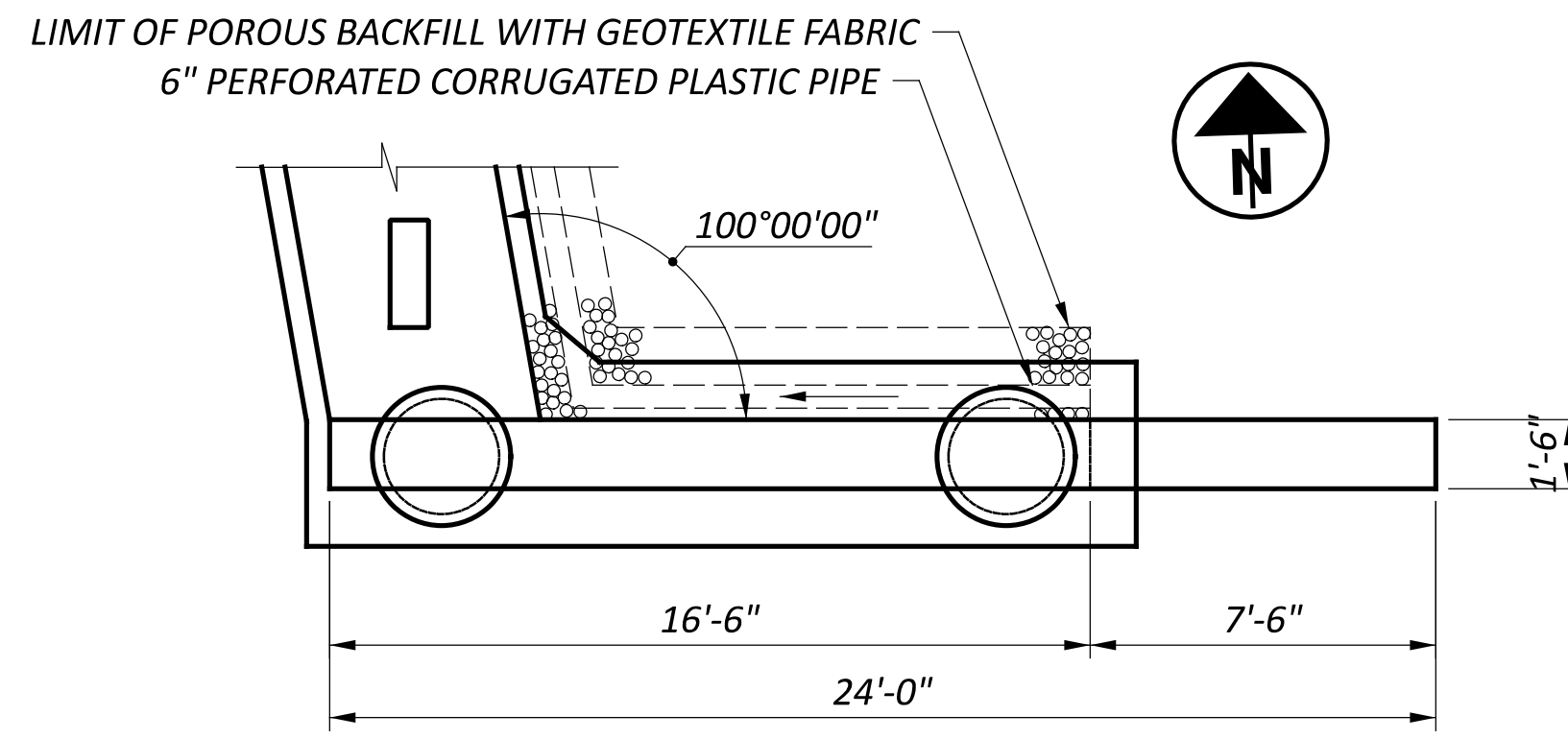
** DRILLED SHAFT ABOVE BEDROCK, AS NEEDED

- NOTES:
1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET [4 | 24] .
 2. FOR FOOTING PLAN, SEE SHEET [10 | 24] .
 3. POROUS BACKFILL WITH GEOTEXTILE FABRIC, 2'-0" THICK, SHALL EXTEND UP TO THE PLANE OF SUBGRADE, 2'-0" BELOW THE EMBANKMENT SURFACE, AND LATERALLY AS SHOWN.
 4. FOR WINGWALL DETAILS, SEE SHEET [9 | 24] .

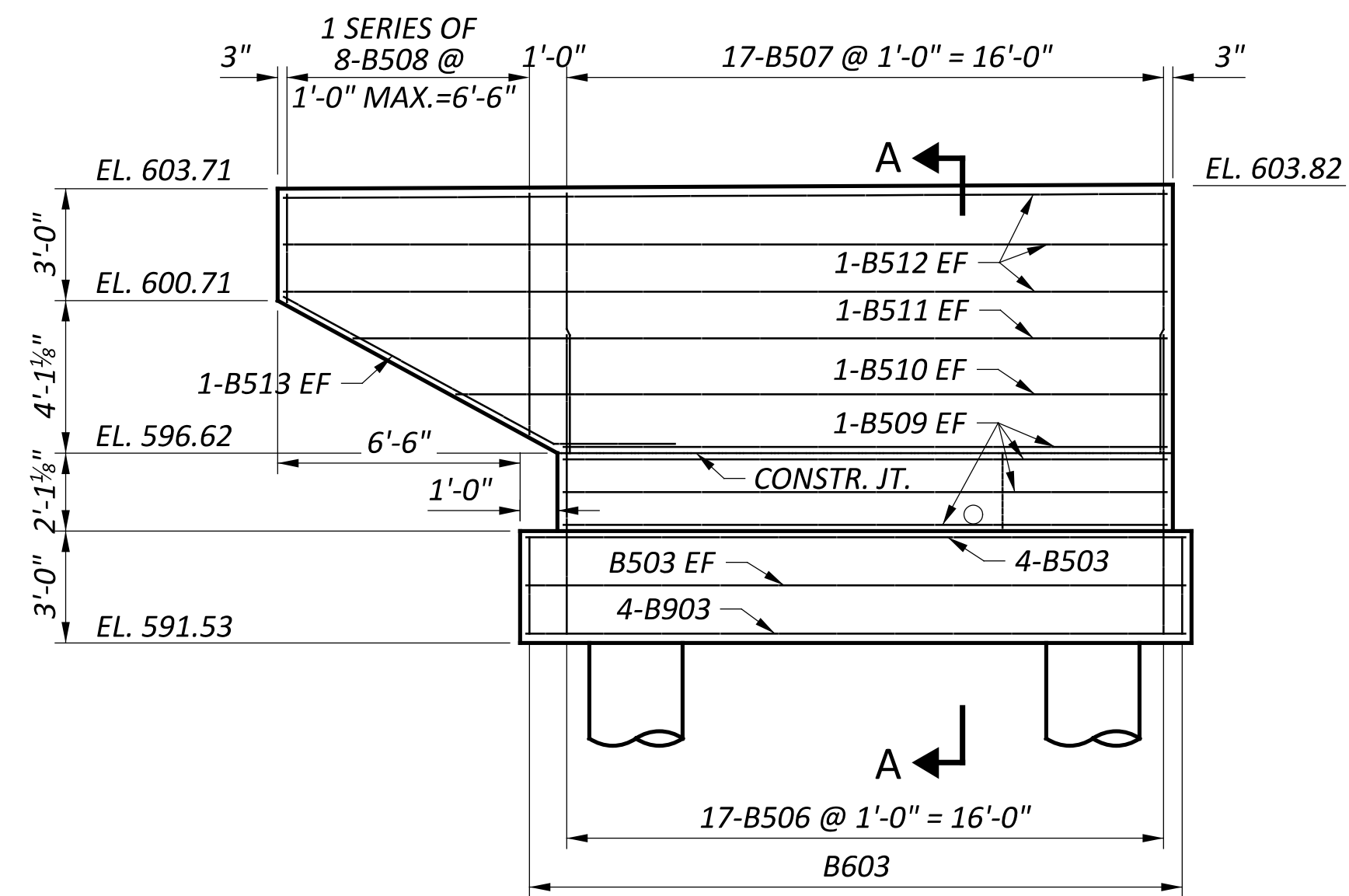
SFN	5300002
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	BSM
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	8 TOTAL 24
SHEET	P.826 TOTAL 940



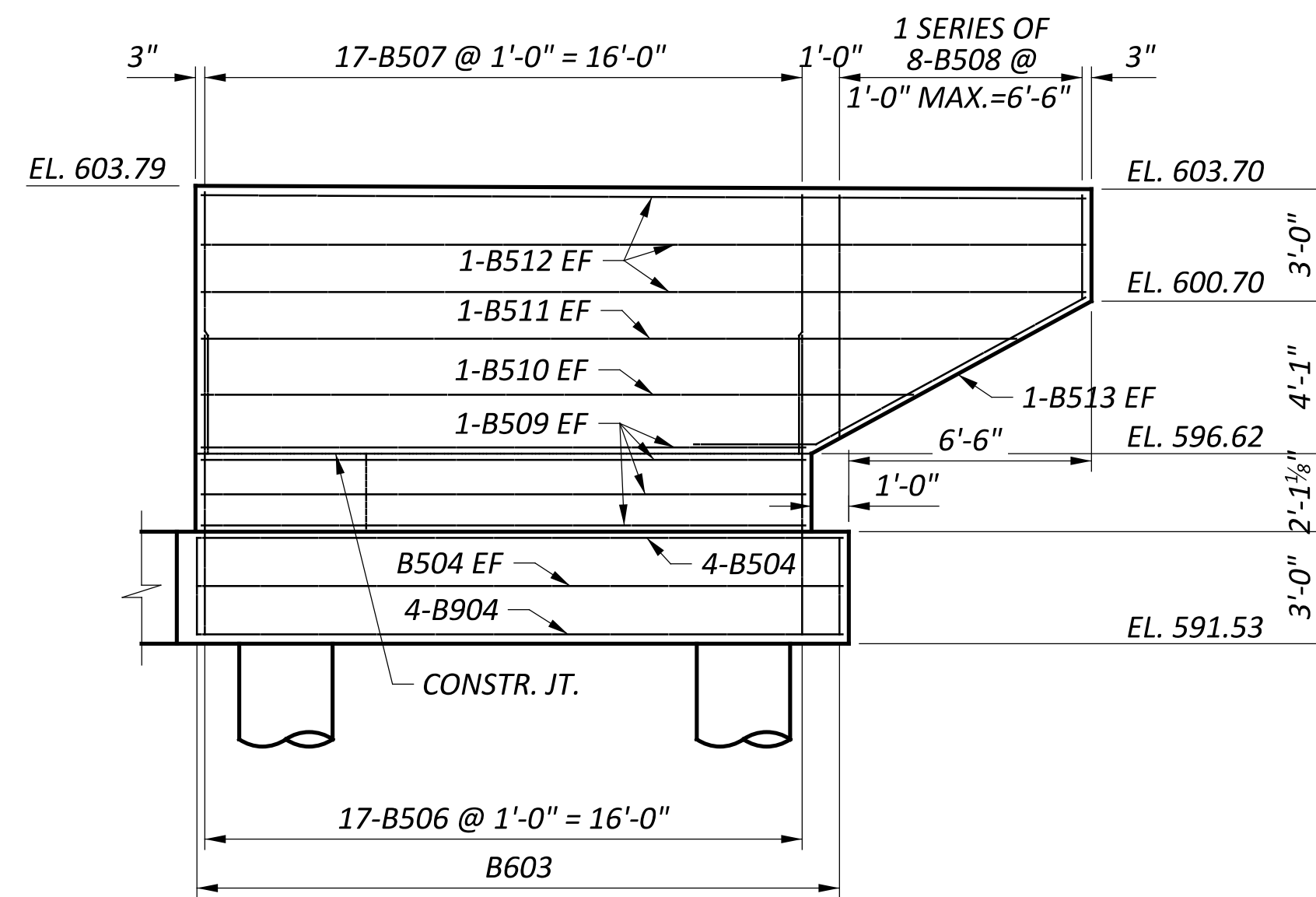
WINGWALL C PLAN



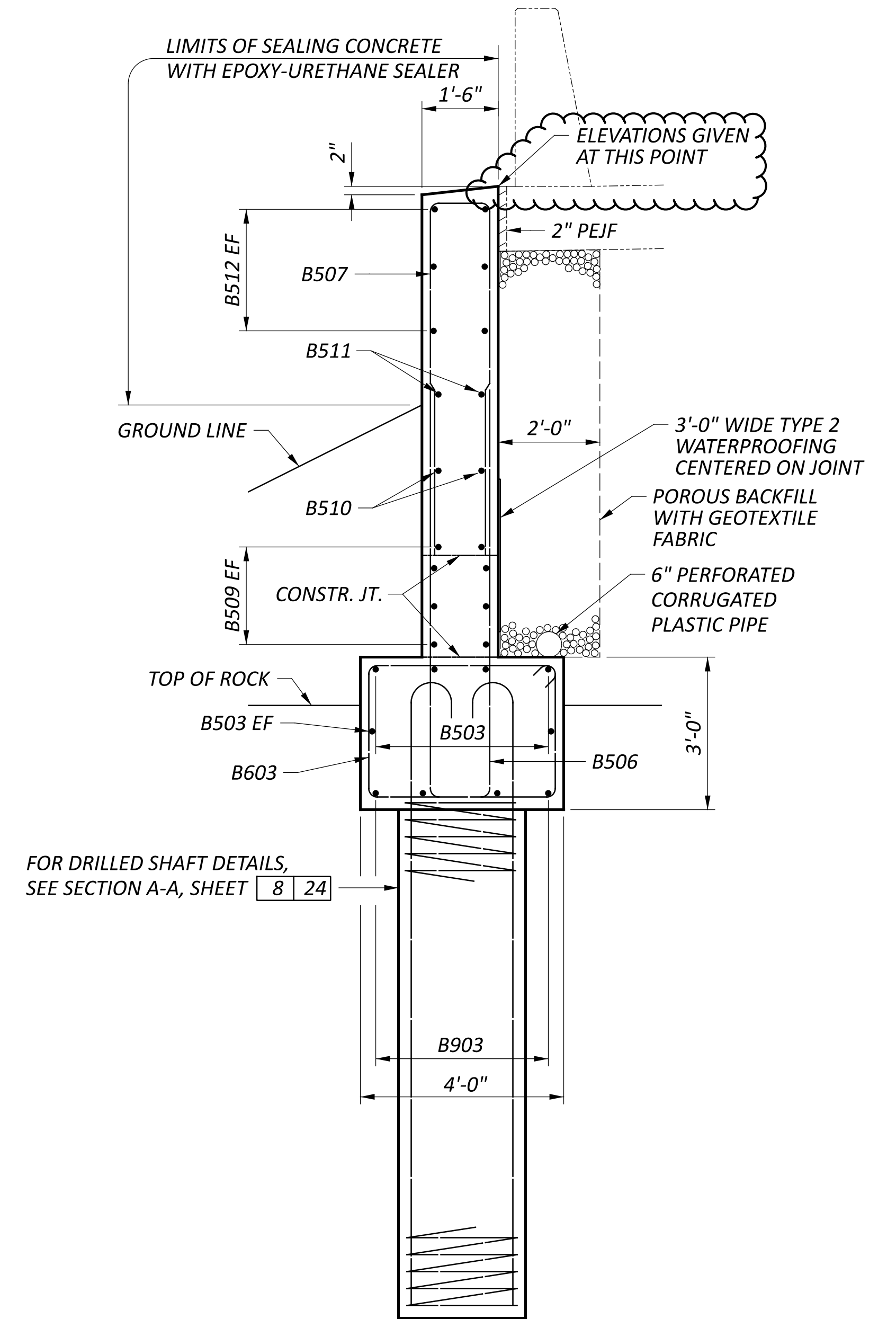
WINGWALL D PLAN



WINGWALL C ELEVATION



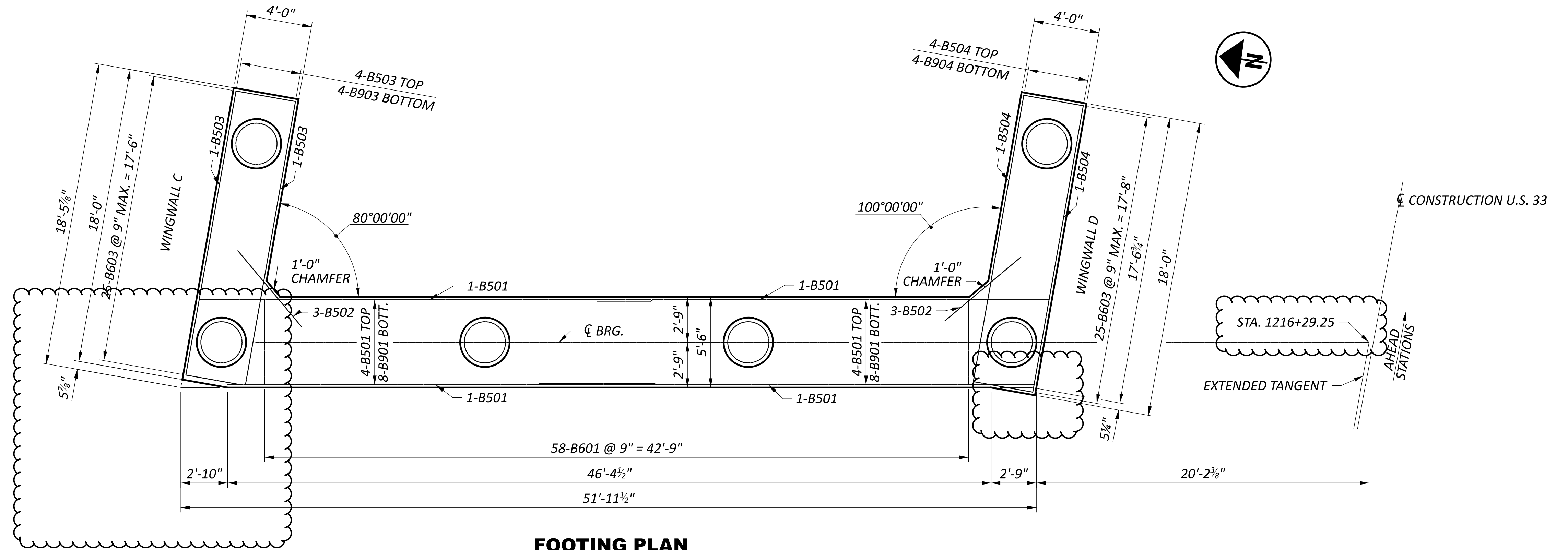
WINGWALL D ELEVATION



SECTION A-A
 (WINGWALL C SHOWN,
 WINGWALL D SIMILAR)

FOR DRILLED SHAFT DETAILS,
 SEE SECTION A-A, SHEET 8 24

SFN	5300002
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	BSM
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	9
TOTAL	24
SHEET	P.827
TOTAL	940



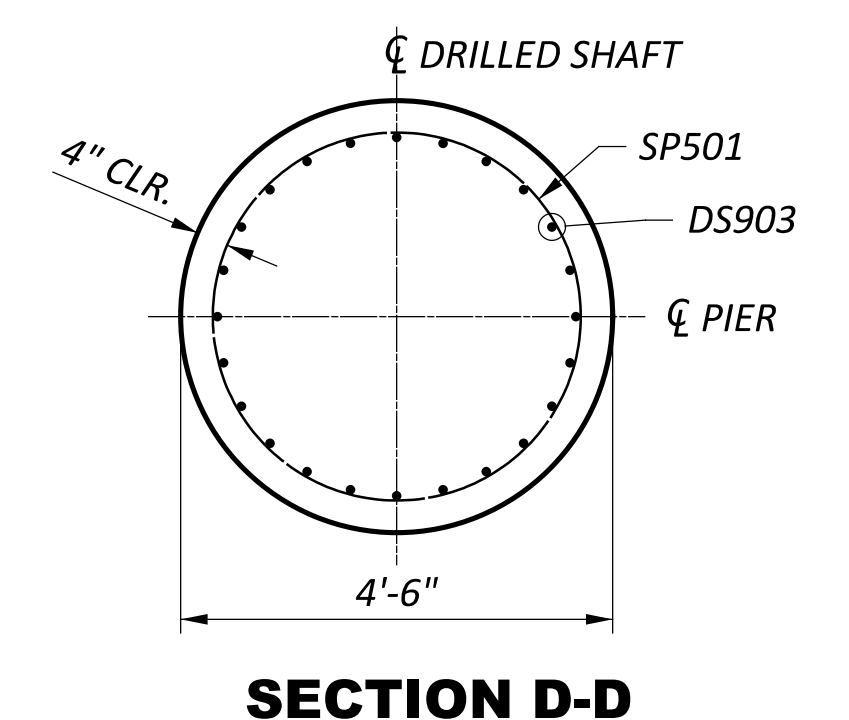
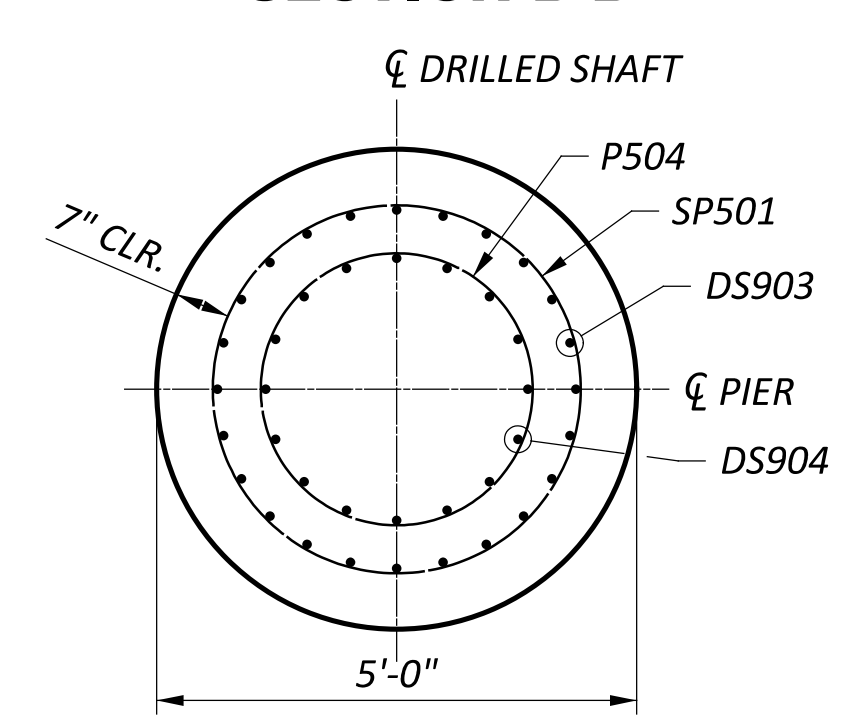
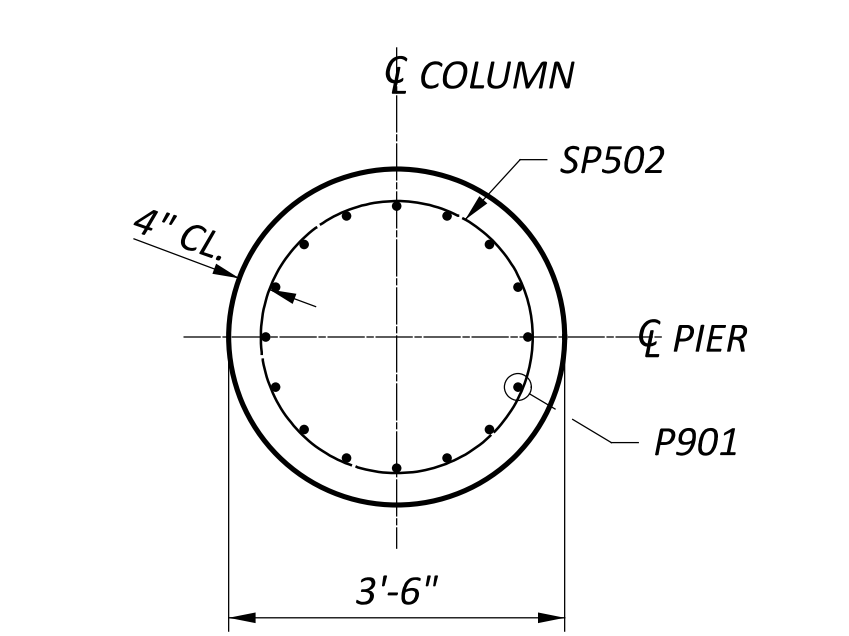
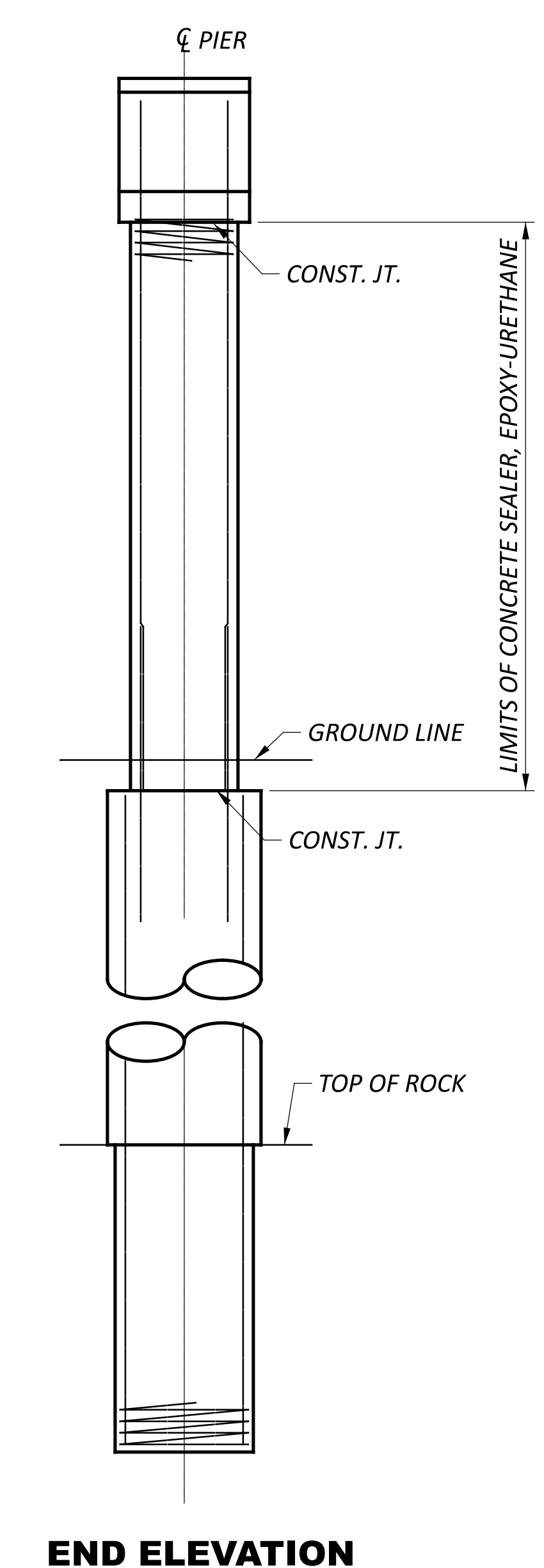
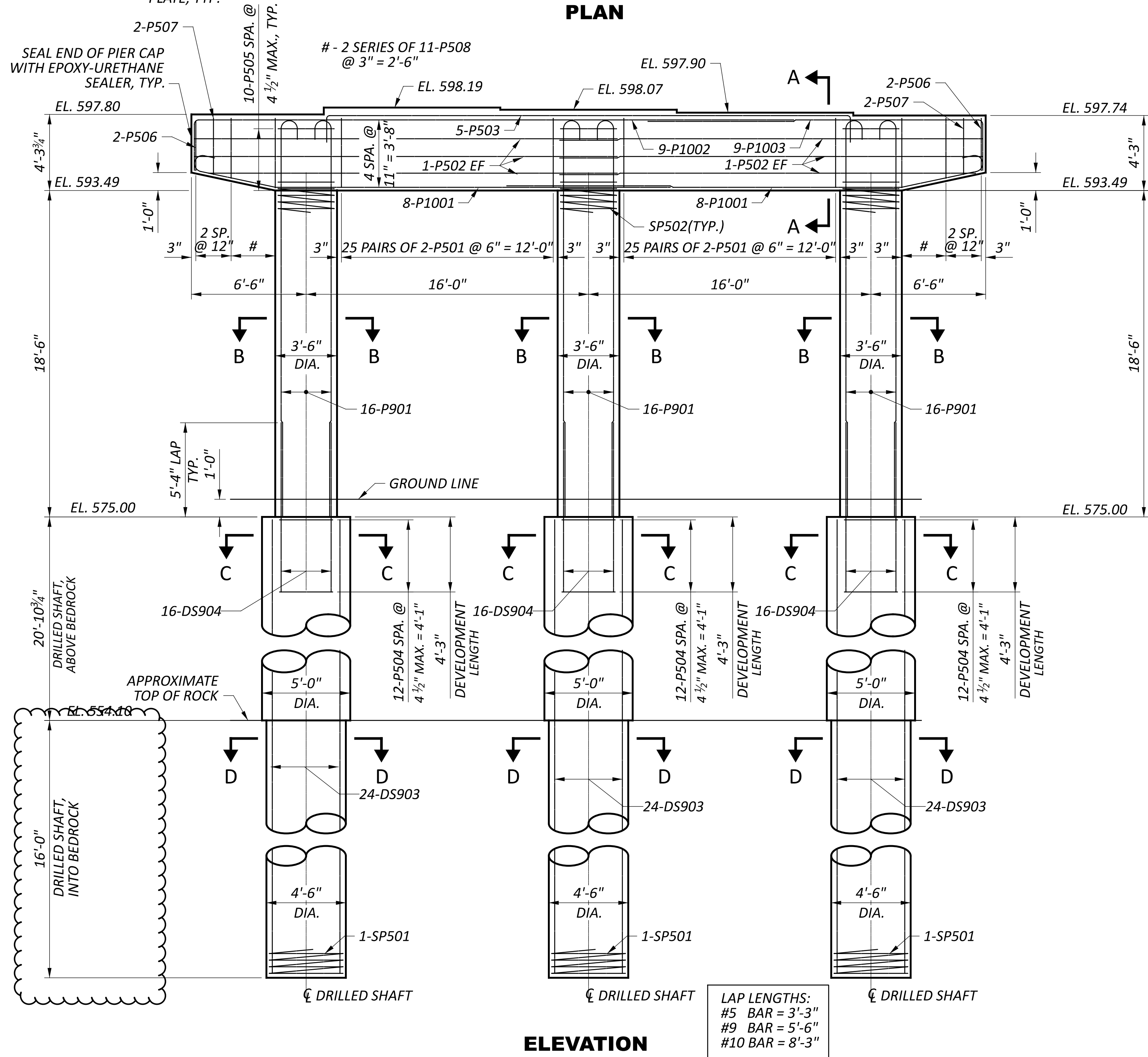
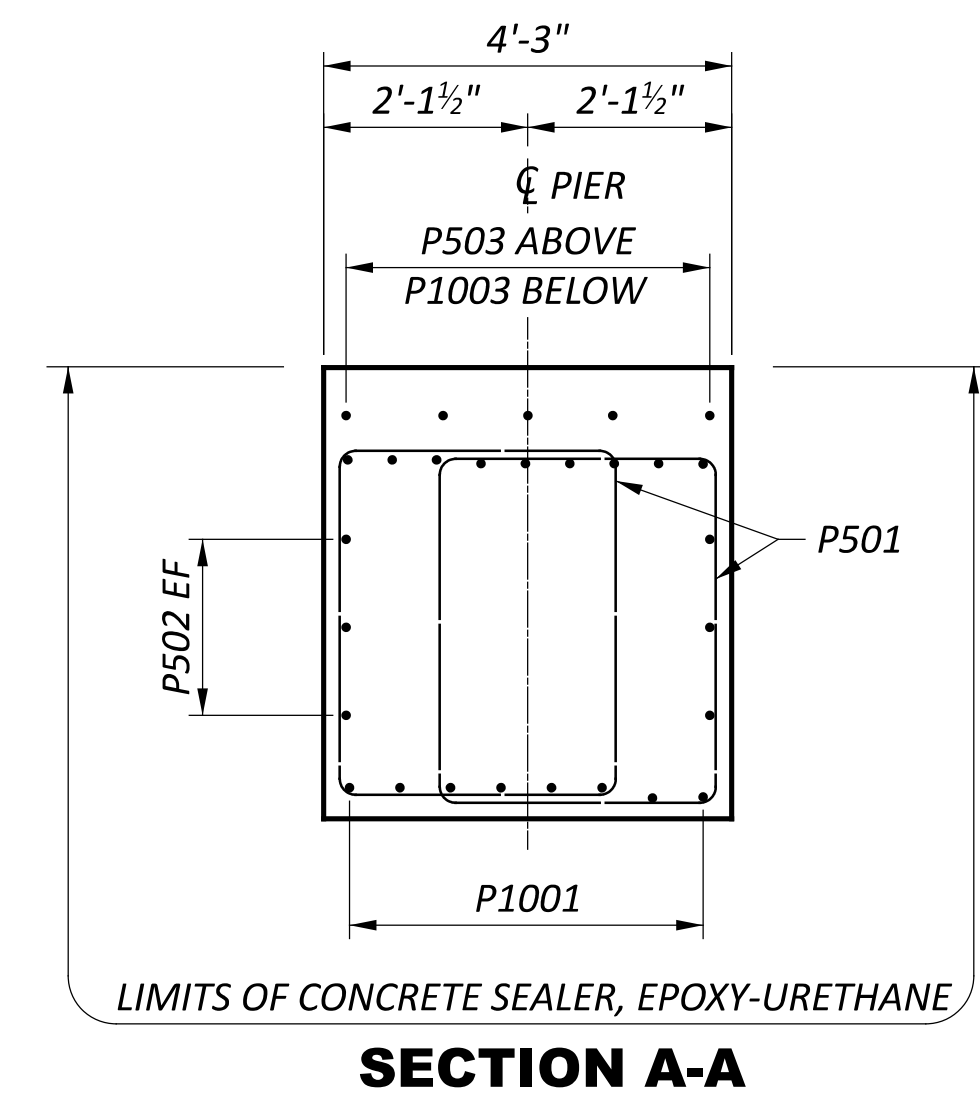
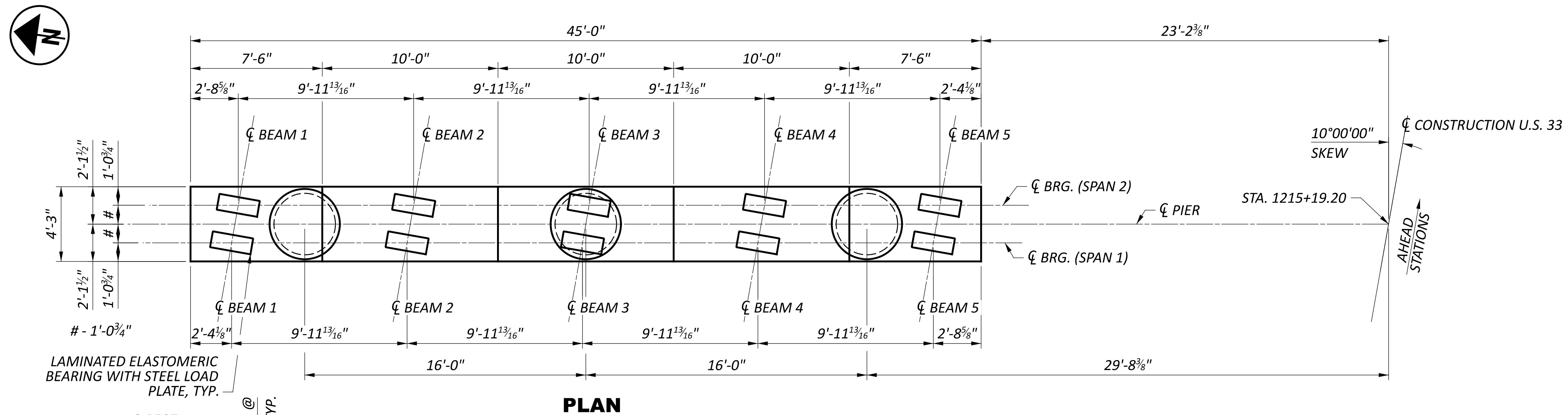
FOOTING PLAN

LAP LENGTHS:
 #5 BARS = 3'-3"
 #9 BARS = 6'-6"

NOTES:
 1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET 4 24 .

FORWARD ABUTMENT (3)
 BRIDGE NO. MEG-00033-23.994
 U.S. 33 OVER OLD TOWN CREEK AND T.R. 134 (SHARON HOLLOW RD)

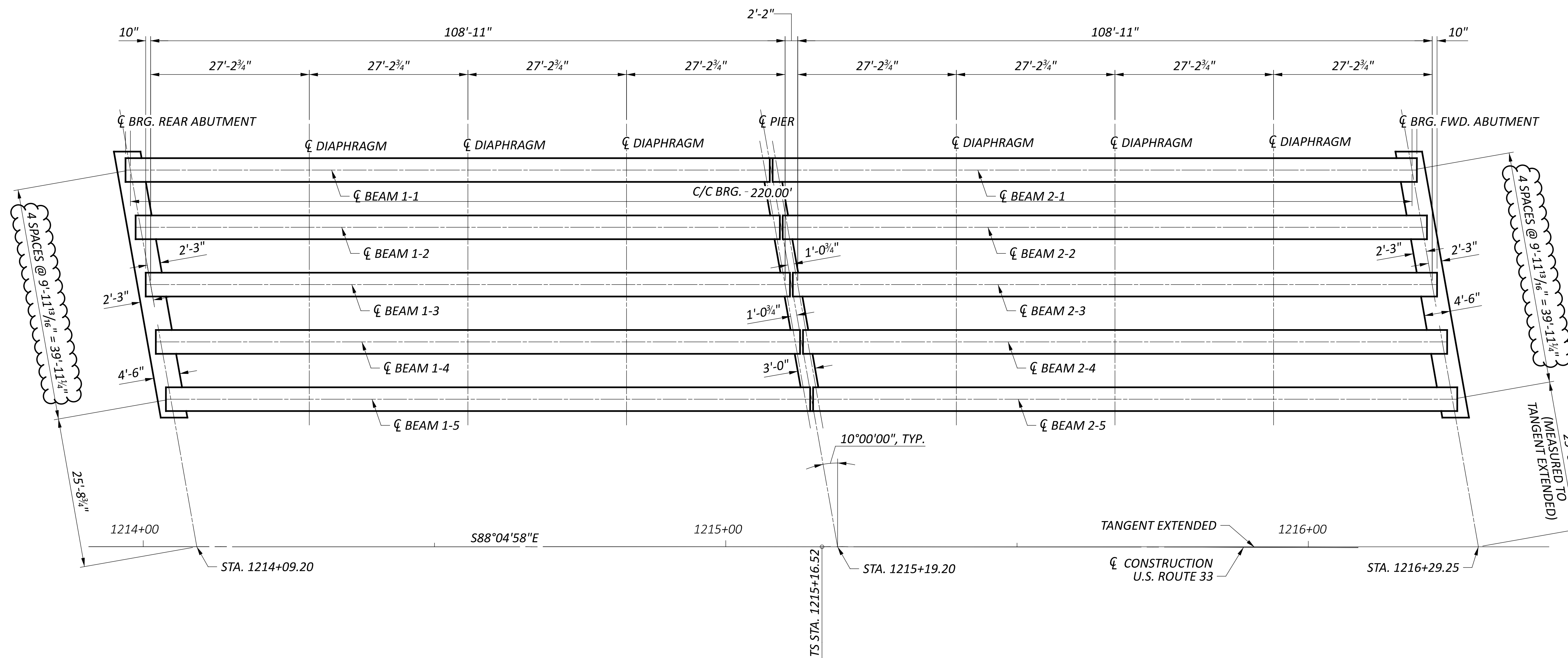
SFN 5300002	
DESIGN AGENCY	
 Stantec 1500 LAKE SHORE DRIVE, SUITE 100 COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
TRK	BSM
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
10	24
SHEET	TOTAL
P.828	940



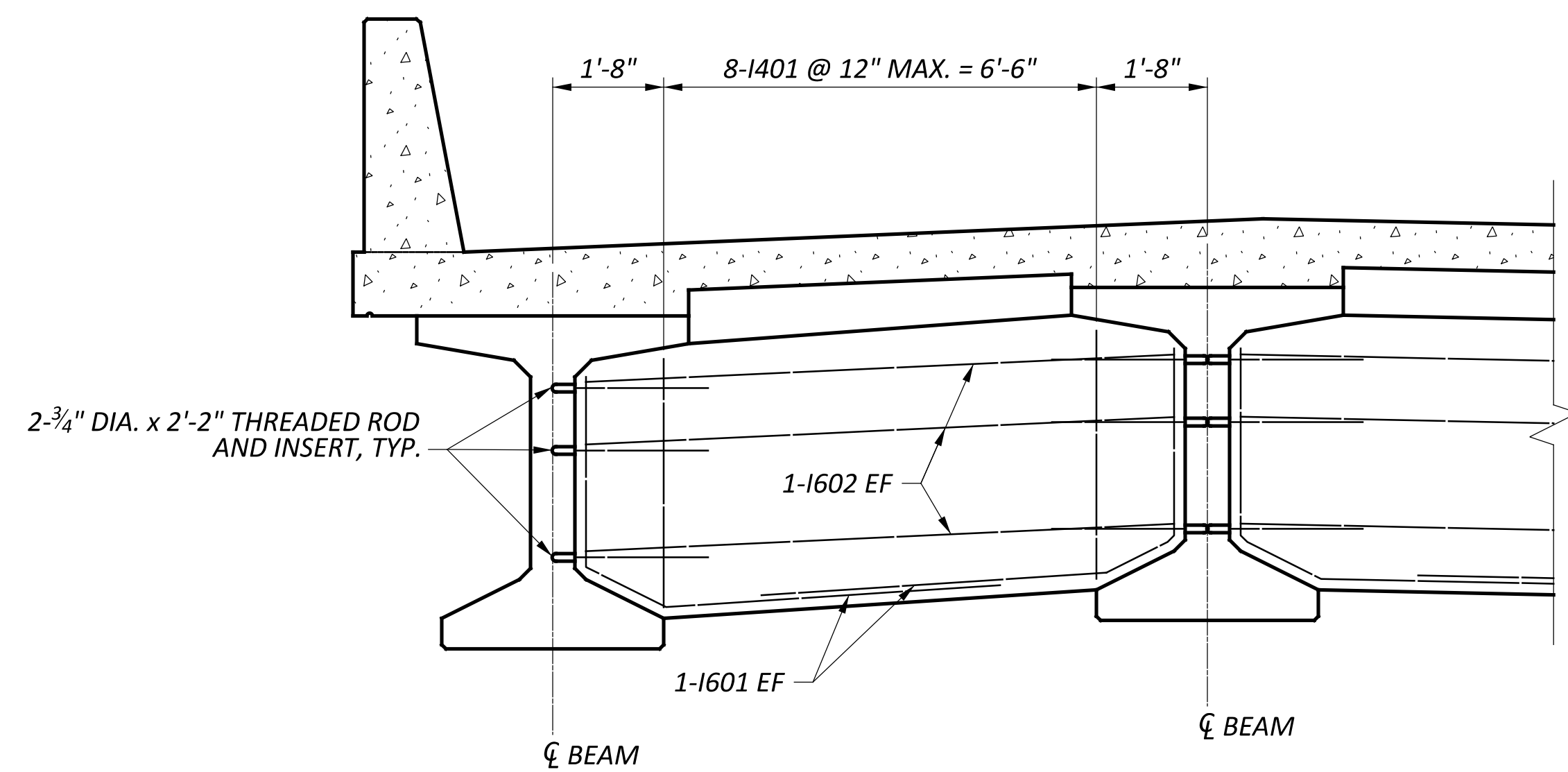
LAP LENGTHS:
 #5 BAR = 3'-3"
 #9 BAR = 5'-6"
 #10 BAR = 8'-3"

NOTES:
 1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET 4 24

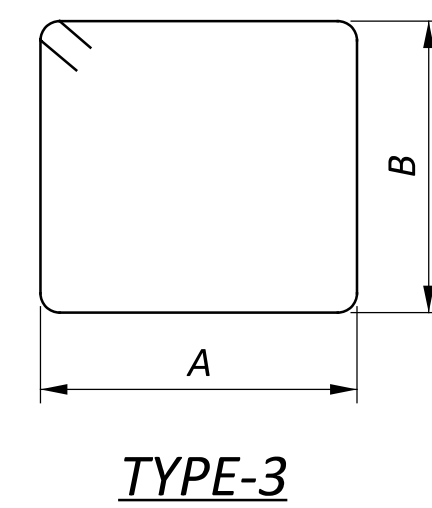
SFN 5300002	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100, COLUMBUS, OH 43204, (614) 486-4383	
DESIGNER	CHECKER
TRK	EDA
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
11	24
SHEET	
P.829	
TOTAL	
940	



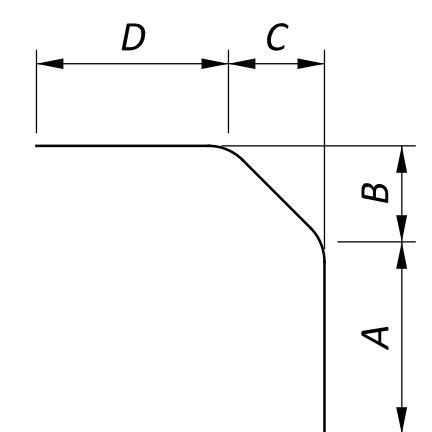
FRAMING PLAN



CONCRETE INTERMEDIATE DIAPHRAGM - OPTIONAL
 (24 REQUIRED)



TYPE-3



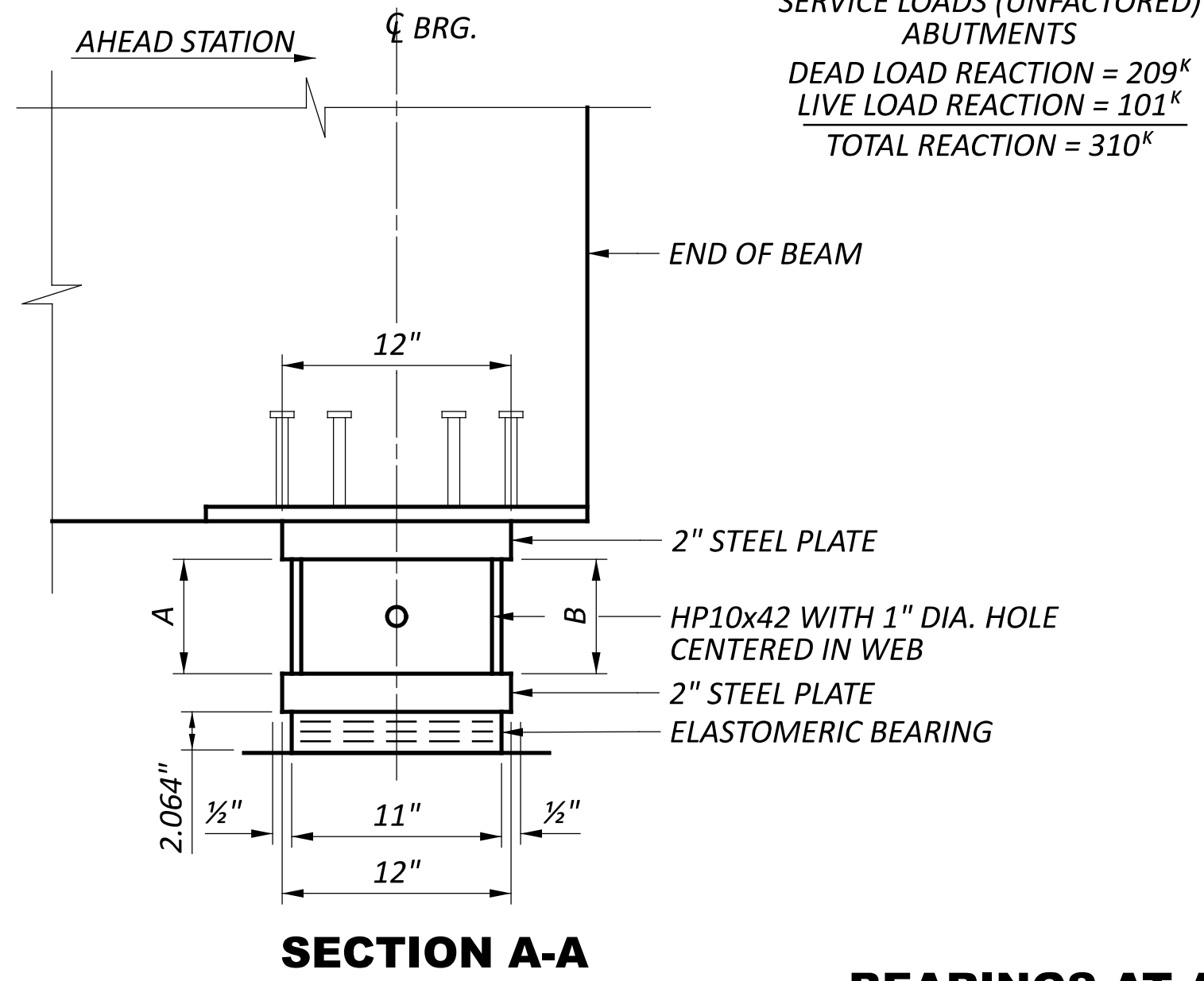
TYPE-13

MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
					A	B	C	D	E	R	INC
INTERMEDIATE DIAPHRAGMS (FOR INFORMATION ONLY, EPOXY COATED STEEL REINFORCEMENT)											
I401	144	8'-9"	842	3	0'-6"	3'-8"					
I601	96	9'-1"	1310	13	5'-0"	1'-2"	0'-8"	2'-10"			
I602	144	8'-10"	1911	STR							
TOTAL			4063								

FOR INTERMEDIATE DIAPHRAGM DETAILS, SEE STD. DWG. PSID-1-13.

REAR ABUTMENT		
LOCATION	A	B
BEAM 1-1	6 ³ / ₄ "	6 ³ / ₄ "
BEAM 1-2	11 ³ / ₈ "	11 ³ / ₈ "
BEAM 1-3	9 ¹⁵ / ₁₆ "	9 ¹⁵ / ₁₆ "
BEAM 1-4	8"	8"
BEAM 1-5	6"	6"

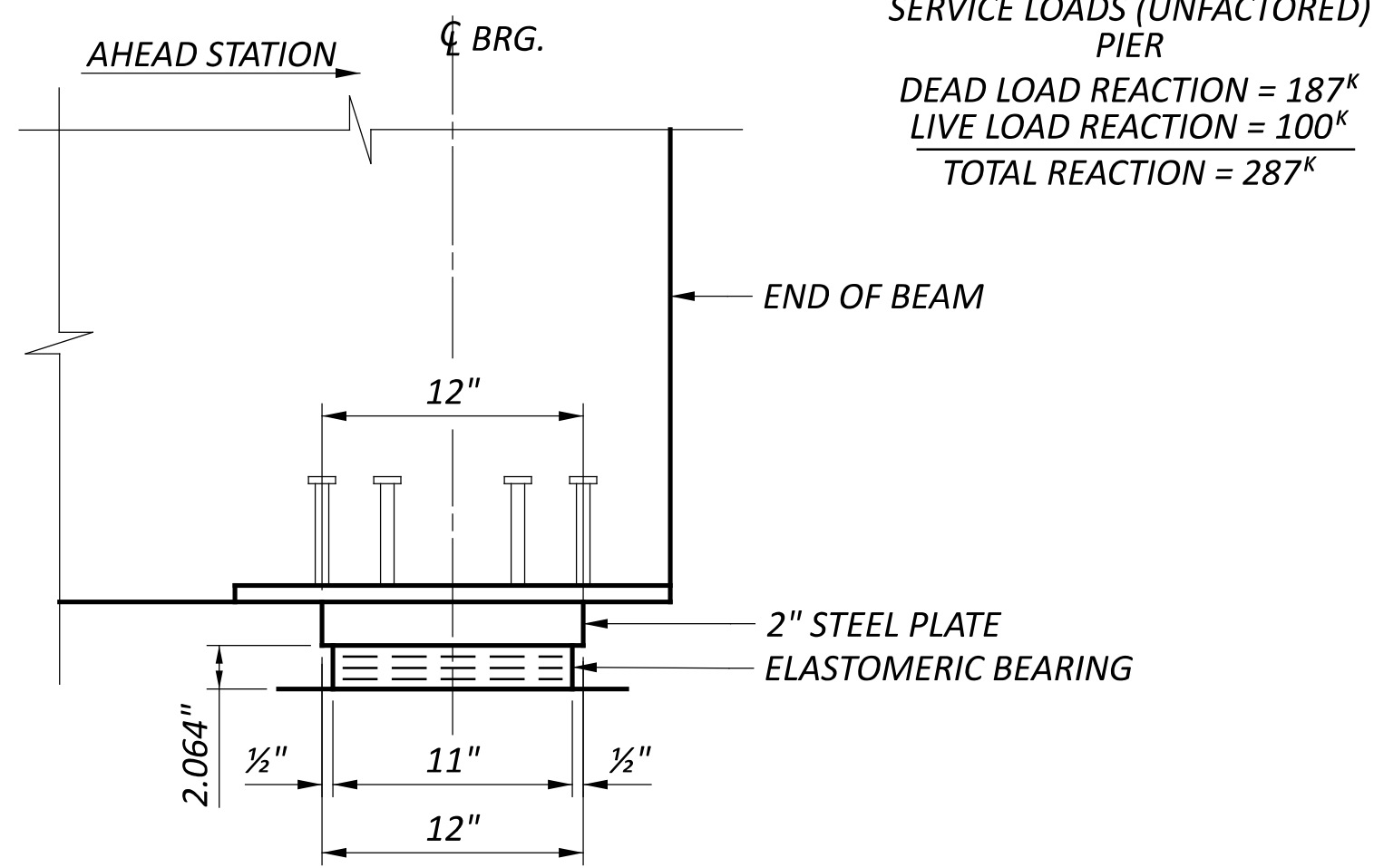
FORWARD ABUTMENT		
LOCATION	A	B
BEAM 2-1	6 ⁵ / ₈ "	6 ⁵ / ₈ "
BEAM 2-2	11 ¹ / ₄ "	11 ¹ / ₄ "
BEAM 2-3	9 ¹⁵ / ₁₆ "	9 ¹⁵ / ₁₆ "
BEAM 2-4	8"	8"
BEAM 2-5	6"	6"



SECTION A-A

BEARINGS AT ABUTMENTS
 (FORWARD ABUTMENT SHOWN, REAR ABUTMENT SIMILAR)
 (10 REQUIRED)

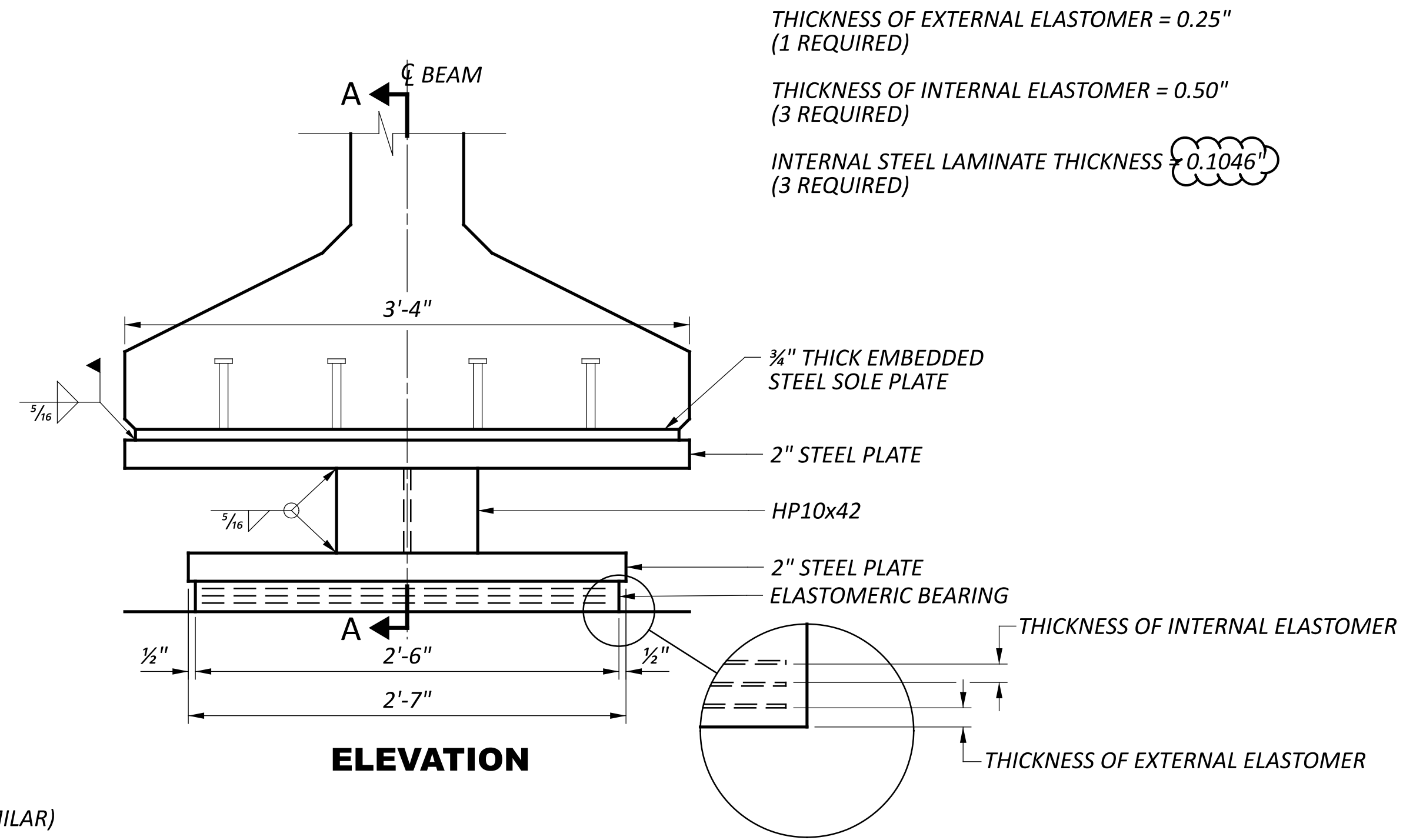
SERVICE LOADS (UNFACTORED)
 ABUTMENTS
 DEAD LOAD REACTION = 209^k
 LIVE LOAD REACTION = 101^k
 TOTAL REACTION = 310^k



SECTION B-B

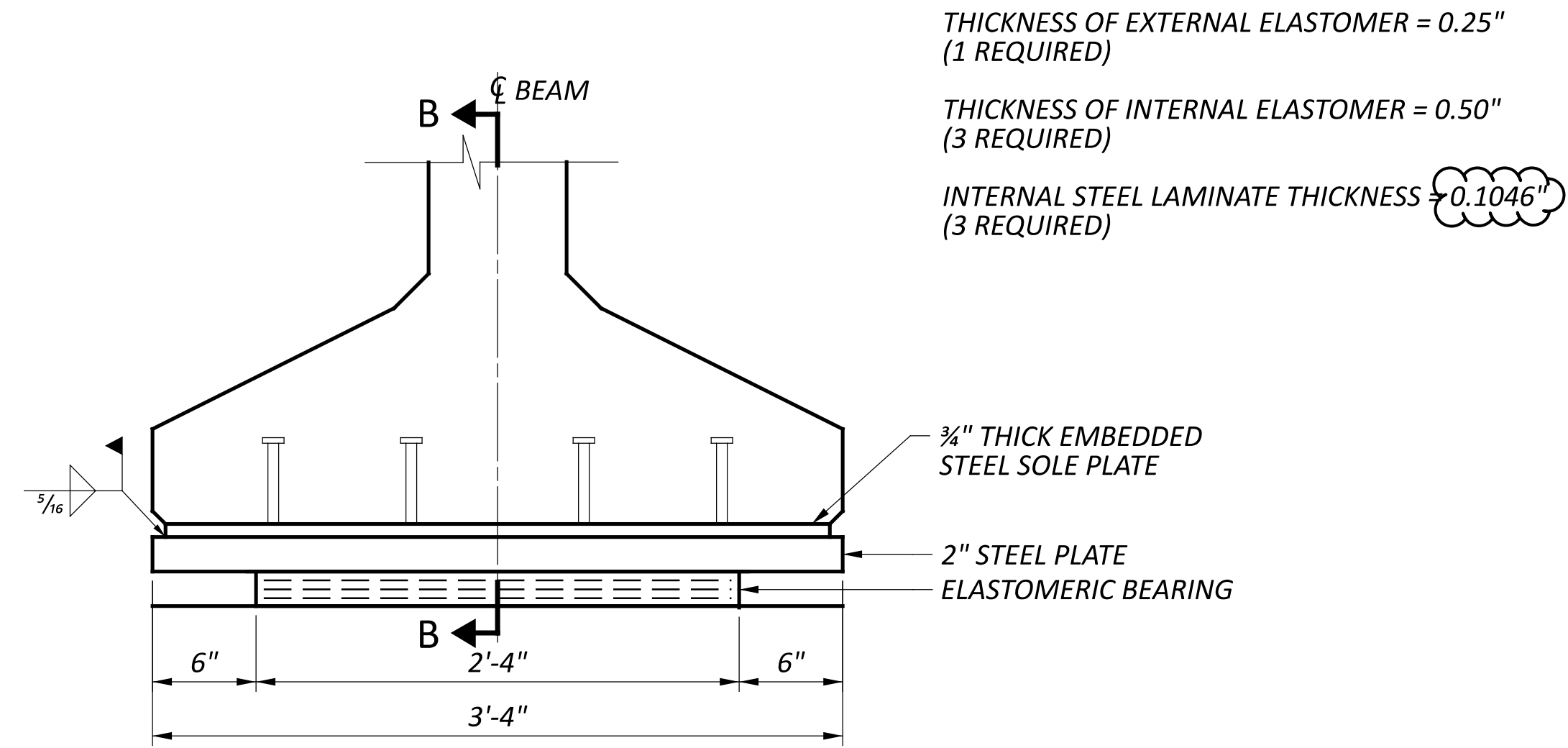
BEARINGS AT PIER
 (SPAN 1 SHOWN, SPAN 2 SIMILAR)
 (10 REQUIRED)

SERVICE LOADS (UNFACTORED)
 PIER
 DEAD LOAD REACTION = 187^k
 LIVE LOAD REACTION = 100^k
 TOTAL REACTION = 287^k



ELEVATION

THICKNESS OF EXTERNAL ELASTOMER = 0.25"
 (1 REQUIRED)
 THICKNESS OF INTERNAL ELASTOMER = 0.50"
 (3 REQUIRED)
 INTERNAL STEEL LAMINATE THICKNESS = 0.1046"
 (3 REQUIRED)

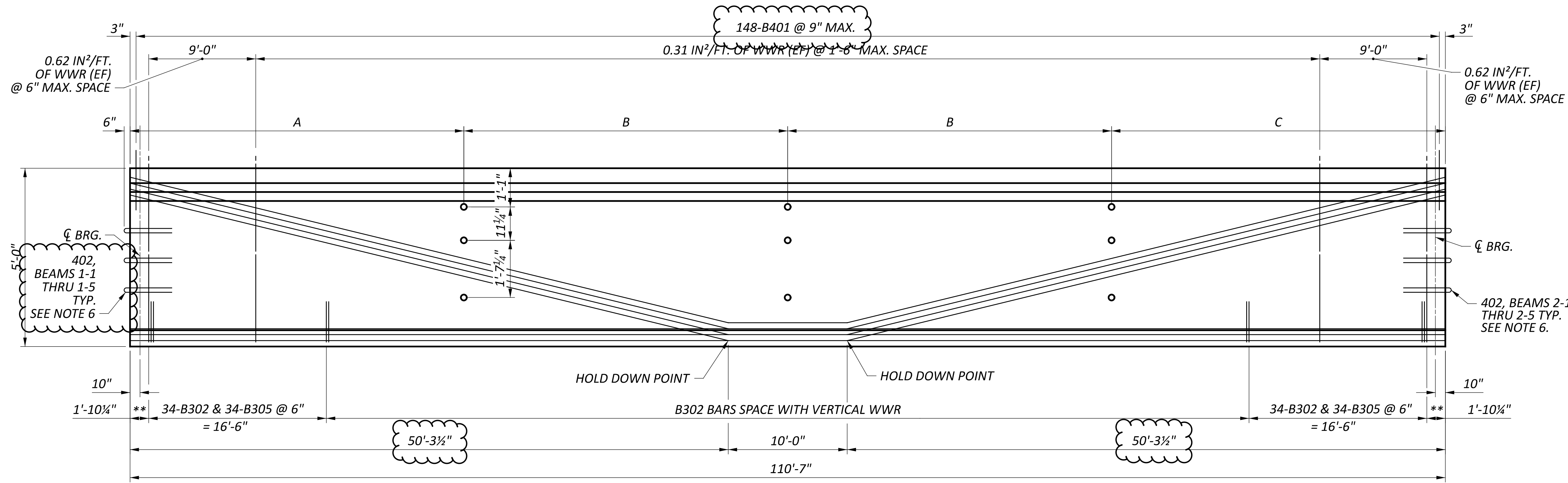


ELEVATION

THICKNESS OF EXTERNAL ELASTOMER = 0.25"
 (1 REQUIRED)
 THICKNESS OF INTERNAL ELASTOMER = 0.50"
 (3 REQUIRED)
 INTERNAL STEEL LAMINATE THICKNESS = 0.1046"
 (3 REQUIRED)

BEARING NOTES:

- ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
- STEEL LOAD PLATES: LOAD PLATES SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS.
- FOR DETAILS OF THE STUDS AND EMBEDDED PLATE, AND FOR ADDITIONAL INFORMATION, SEE STD. DWG. PSID-1-13.
- ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.
- STEEL FOR LOAD PLATES AND INTERNAL LAMINATES SHALL BE GRADE 50.
- PER CMS 516.03, GALVANIZE STEEL COMPONENTS OF BEARING ASSEMBLIES (UPPER AND LOWER LOAD PLATES AND HP SHAPES).
- UPPER AND LOWER LOAD PLATES AND HP SHAPES SHALL BE CONSIDERED COMPONENTS OF THE ELASTOMERIC BEARING ASSEMBLY FOR PAYMENT. THE 3/4" THICK EMBEDDED STEEL PLATE IS INCIDENTAL TO THE COST OF I-BEAMS.



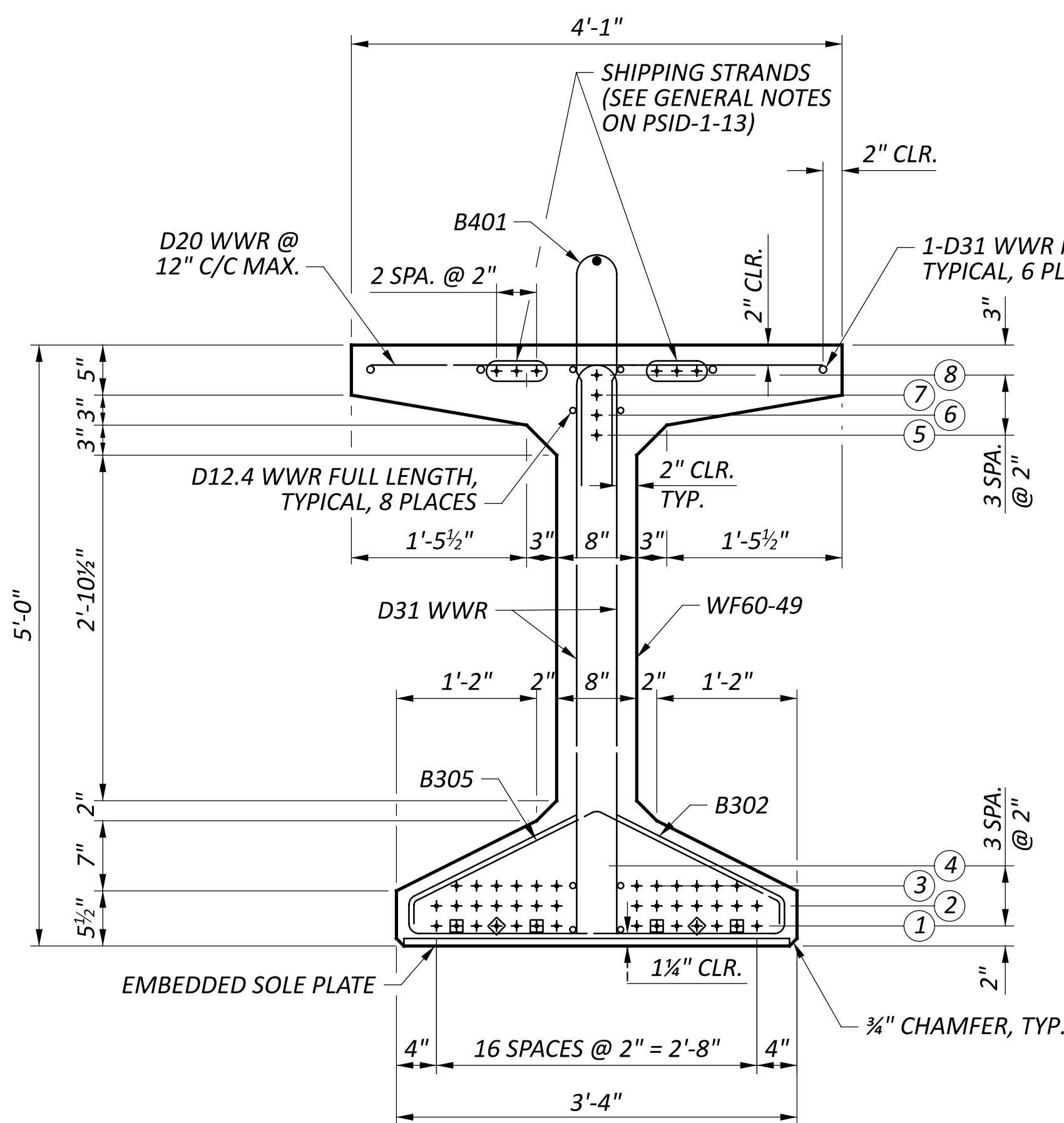
BEAM ELEVATION
 VERTICAL SCALE EXAGGERATED
 BEAMS 1-1 TO 1-5
 BEAMS 2-1 TO 2-5

** ANCHORAGE ZONE REINFORCING, SEE DETAIL

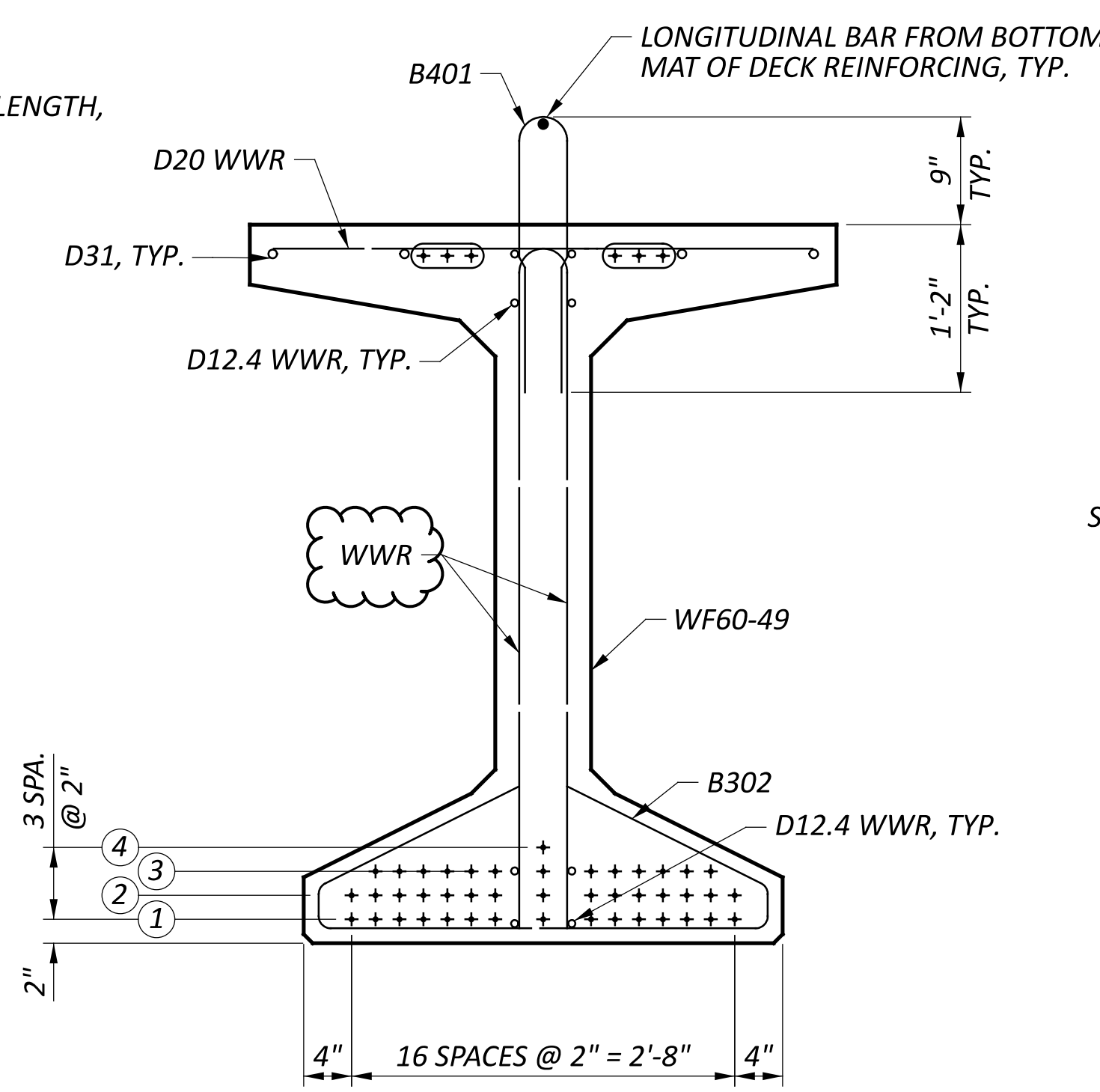
BEAM	A	B	C
1-1*	31'-6 3/8"	27'-2 3/4"	24'-7 1/8"
1-2	29'-9 9/16"	27'-2 3/4"	26'-3 15/16"
1-3	28'-0 3/4"	27'-2 3/4"	28'-0 3/4"
1-4	26'-3 15/16"	27'-2 3/4"	29'-9 9/16"
1-5*	24'-7 1/8"	27'-2 3/4"	31'-6 3/8"
2-1*	31'-6 3/8"	27'-2 3/4"	24'-7 1/8"
2-2	29'-9 9/16"	27'-2 3/4"	26'-3 15/16"
2-3	28'-0 3/4"	27'-2 3/4"	28'-0 3/4"
2-4	26'-3 15/16"	27'-2 3/4"	29'-9 9/16"
2-5*	24'-7 1/8"	27'-2 3/4"	31'-6 3/8"

* - INSIDE ONLY

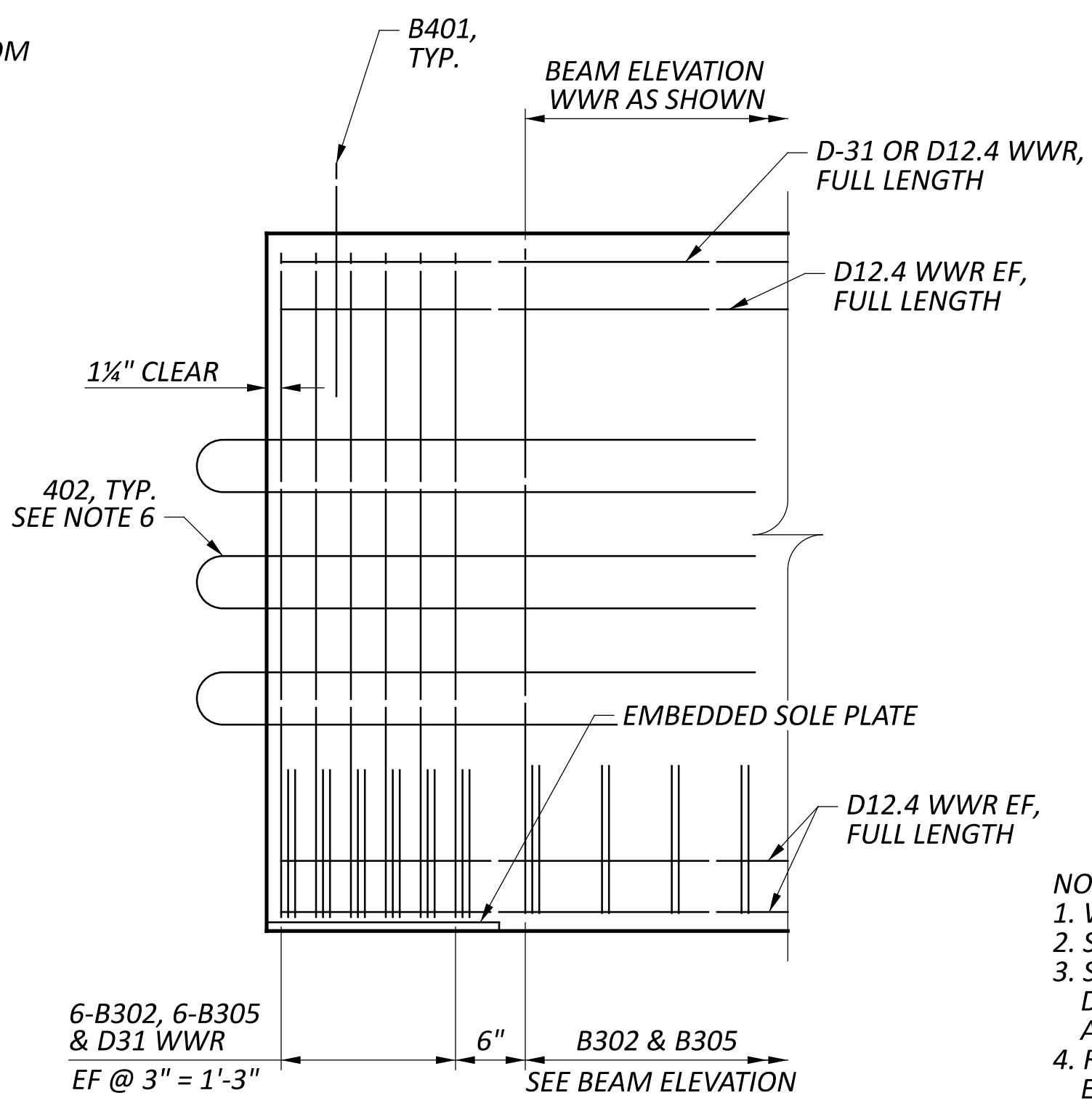
SECTION	NUMBER OF STRANDS PER ROW								CONCRETE STRENGTH (KSI)		
	①	②	③	④	⑤	⑥	⑦	⑧	TOTAL	f _{ci}	f _c
END	14	14	12	-	1	1	1	1	44	5	7
MID	15	15	13	1	-	-	-	-	44		



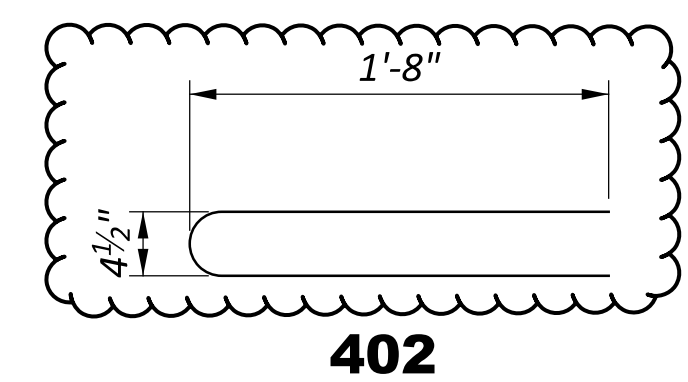
END BEAM SECTION



MIDSPAN BEAM SECTION

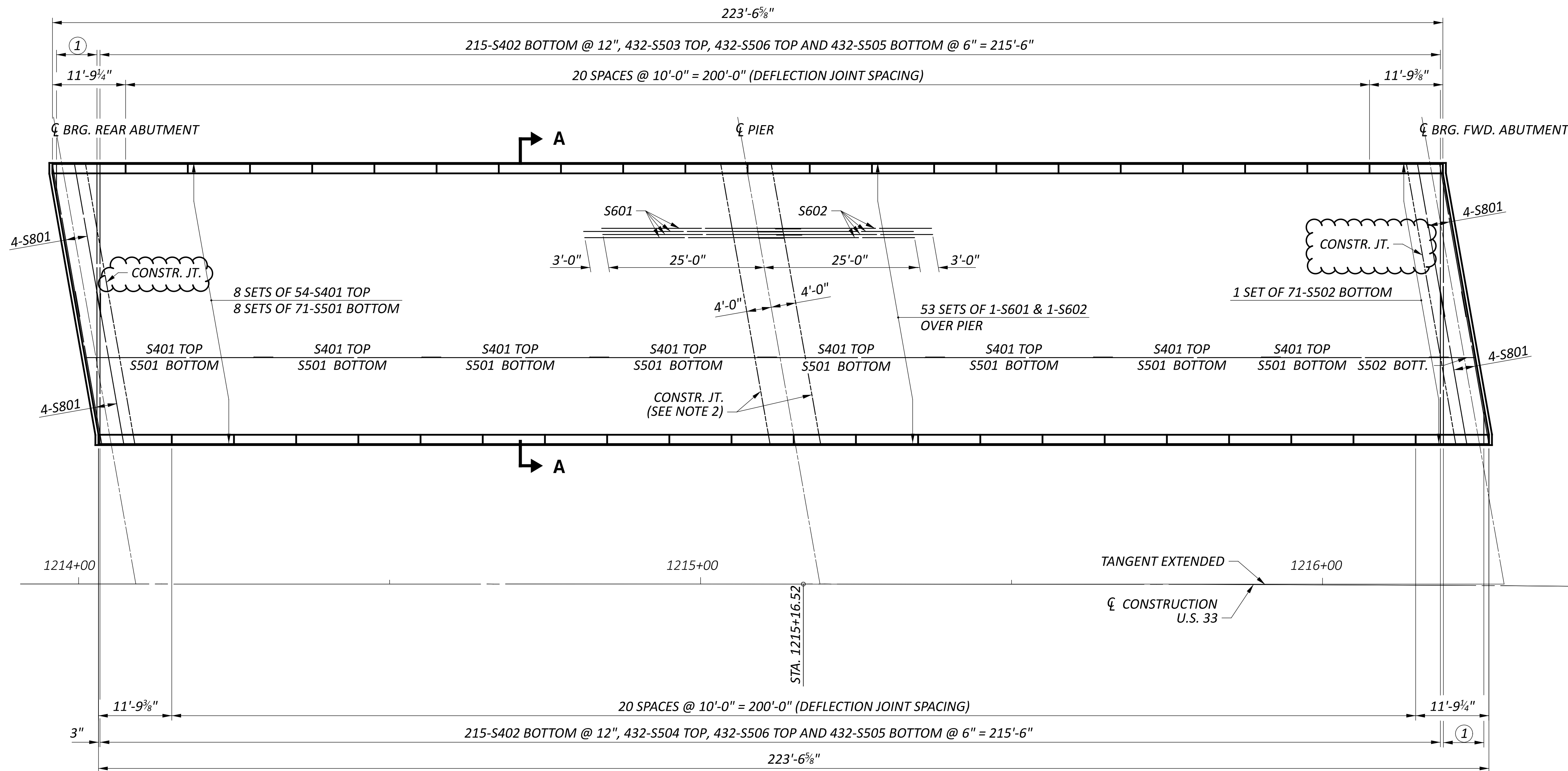


ANCHORAGE ZONE REINFORCING
 STRANDS NOT SHOWN FOR CLARITY



- NOTES:
 1. WWR DENOTES WELDED WIRE REINFORCEMENT.
 2. SEE STD. DWG. PSID-1-13 FOR ADDITIONAL DETAILS.
 3. STRANDS ARE TO BE LOW RELAXATION, 0.6 INCH DIAMETER (A = 0.217 SQ. IN.) SEVEN WIRE UNCOATED, ASTM A416, GRADE 270.
 4. REINFORCEMENT PROJECTING FROM BEAM TO BE EPOXY COATED.
 5. SHOP MARK EACH BEAM WITH BEAM NUMBER AND UP-STATION DIRECTION.
 6. PLACE 402 BARS ON CENTERLINE OF BEAM AT ABUTMENT ENDS ONLY. BAR LOCATIONS MAY BE ADJUSTED TO AVOID STRANDS.

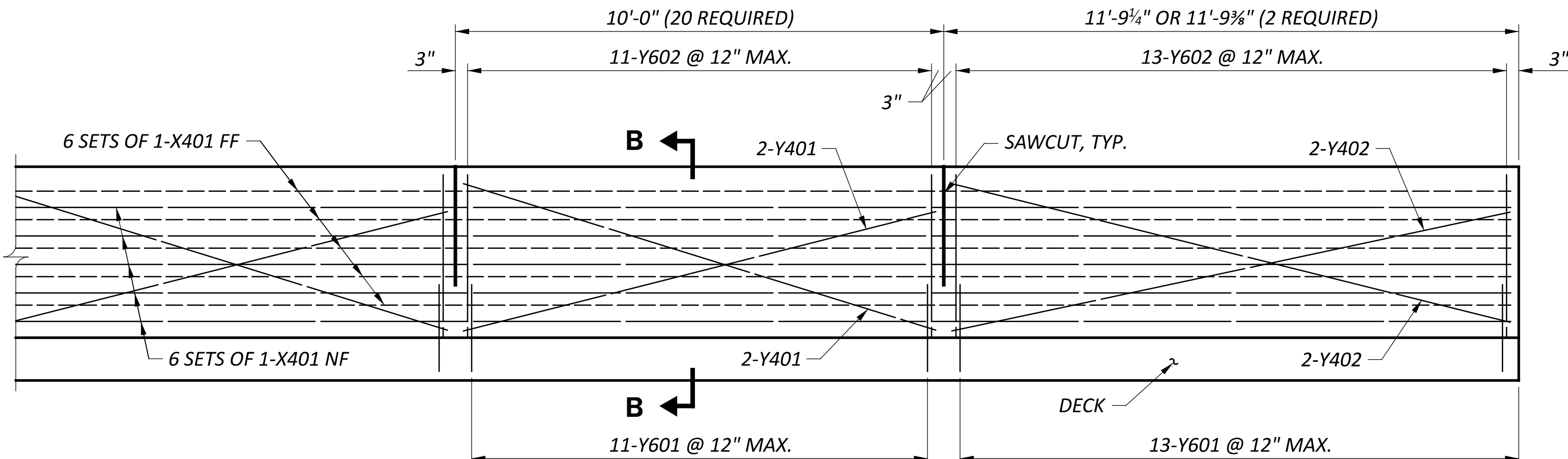
- ◇ STRAND DEBONDED FOR 5'-0" FROM END
- STRAND DEBONDED FOR 10'-0" FROM END



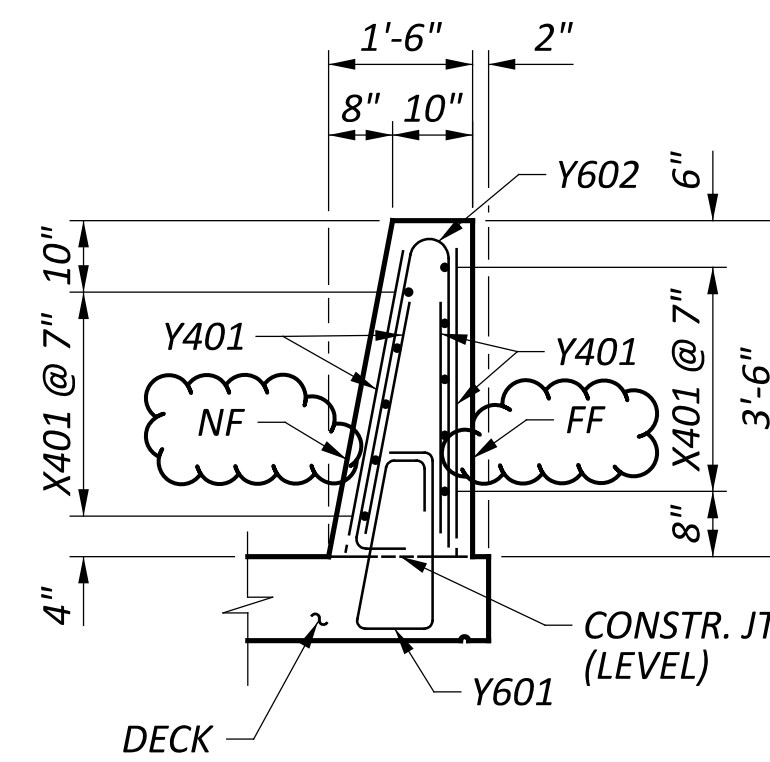
① 1 SERIES OF 14-S507 @ 6" = 6'-6" TOP AND BOTTOM,
 6-S403 BOTTOM @ 12" AND 11-S506 TOP @ 6" = 5'-0"

SLAB PLAN

LAP LENGTHS:
 #4 BARS = 2'-0"
 #5 BARS = 3'-0"
 #6 BARS = 4'-0"
 #4 GFRP BARS = 1'-1"



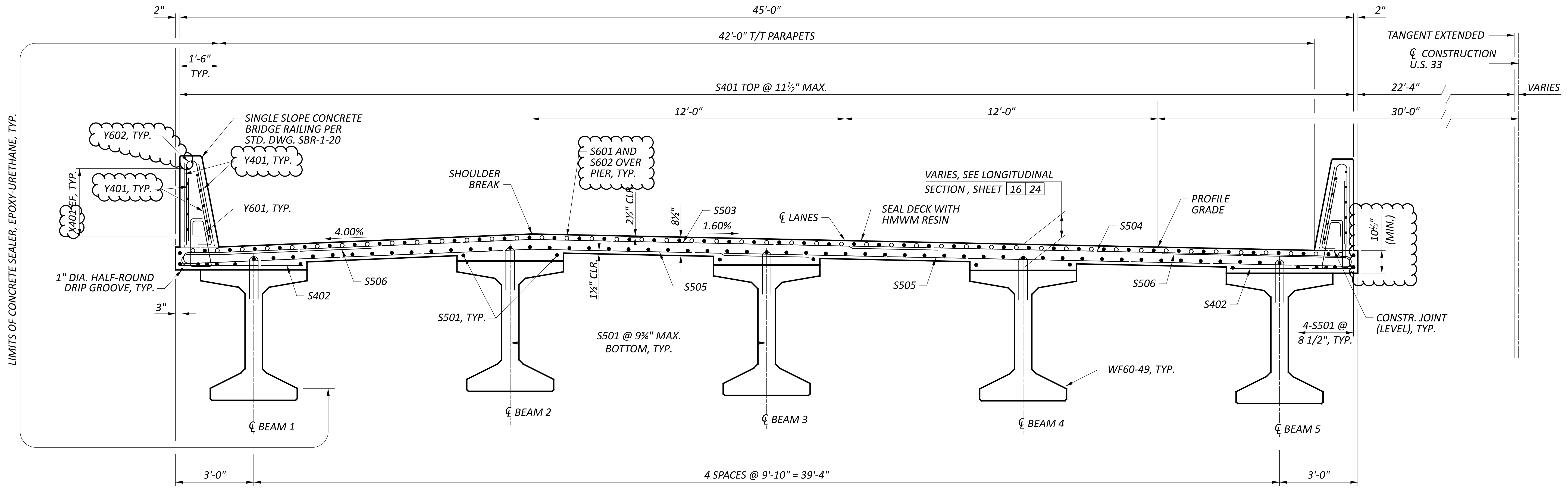
RAILING ELEVATION
 (2 REQUIRED)



SECTION B-B

NOTES:
 1. FOR SECTION A-A, SEE SHEET 17 | 24 |
 2. DO NOT PLACE CONCRETE BETWEEN THE CONSTRUCTION JOINTS PRIOR TO PLACING CONCRETE IN EACH ADJACENT SPAN. UPON COMPLETION OF CONCRETE PLACEMENT IN ADJACENT SPANS, PLACE PIER DIAPHRAGM AND DECK CONCRETE BETWEEN THE CONSTRUCTION JOINTS.

SFN	5300002
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	BSM
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	15
TOTAL	24
SHEET	P.833
TOTAL	940

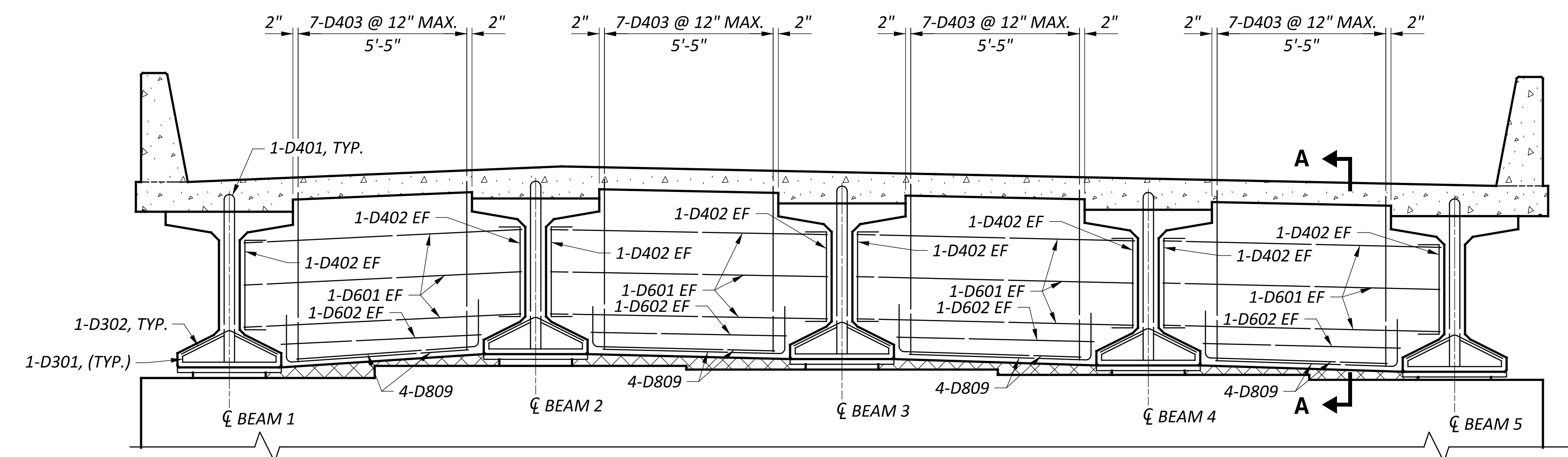


SECTION A-A
 STA. 1214+07.43 TO STA. 1216+31.03

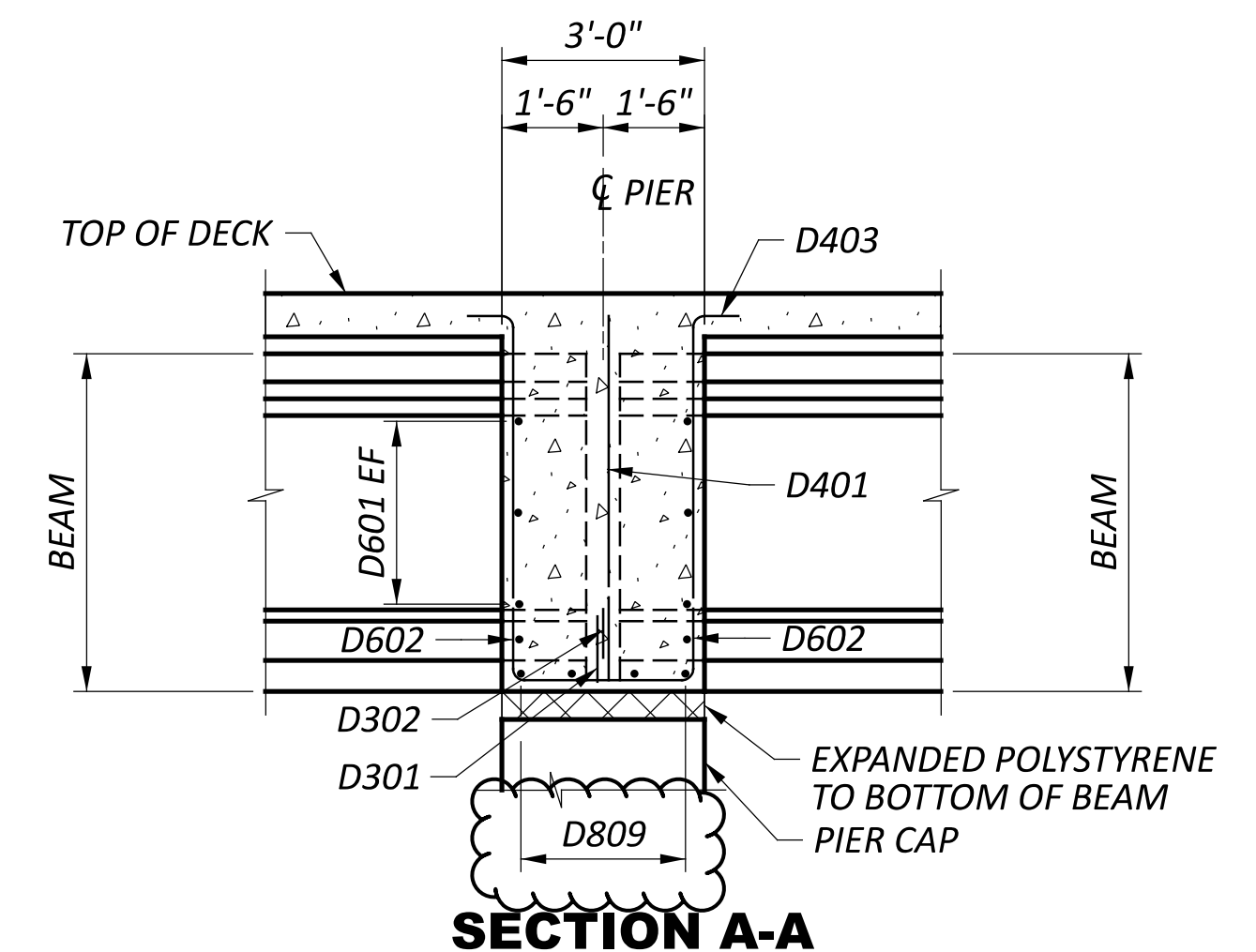
NOTES:
 1. FOR SECTION LOCATION, SEE SHEET 15 | 24.

TRANSVERSE SECTION
 BRIDGE NO. MEG-00033-23.994
 U.S. 33 OVER OLD TOWN CREEK AND T.R. 134 (SHARON HOLLOW RD)

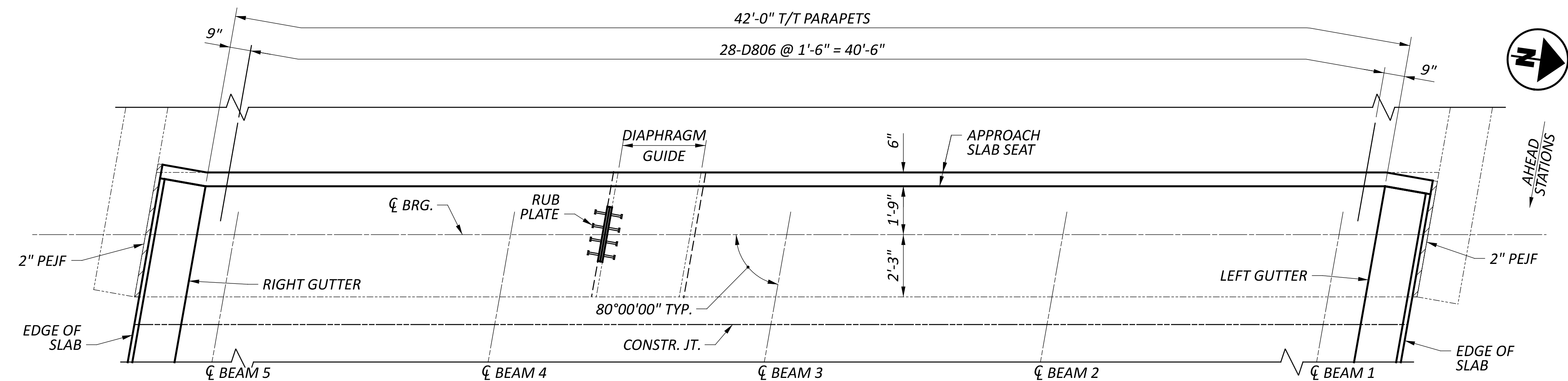
SFN	5300002
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	BSM
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	17
TOTAL	24
SHEET	P.835
TOTAL	940



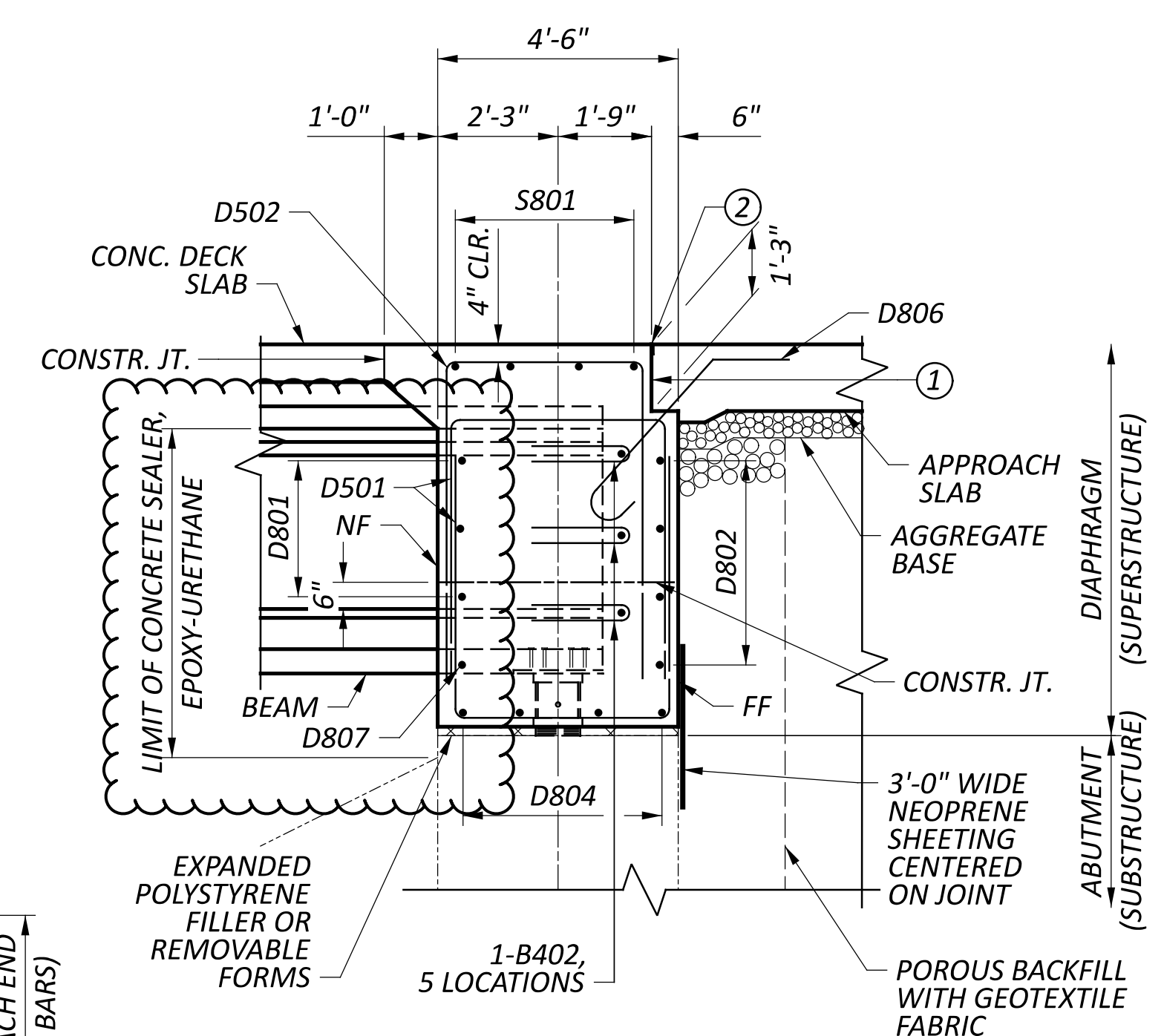
PIER DIAPHRAGM



SECTION A-A



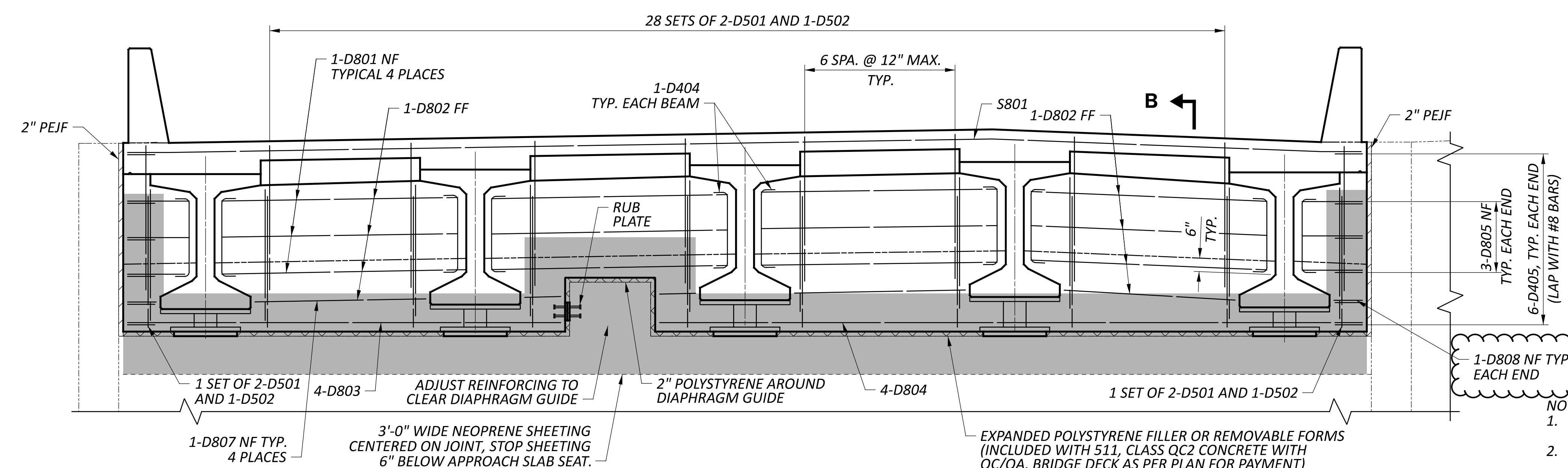
ABUTMENT PLAN
(REAR ABUTMENT SHOWN, FORWARD ABUTMENT SIMILAR)



SECTION B-B

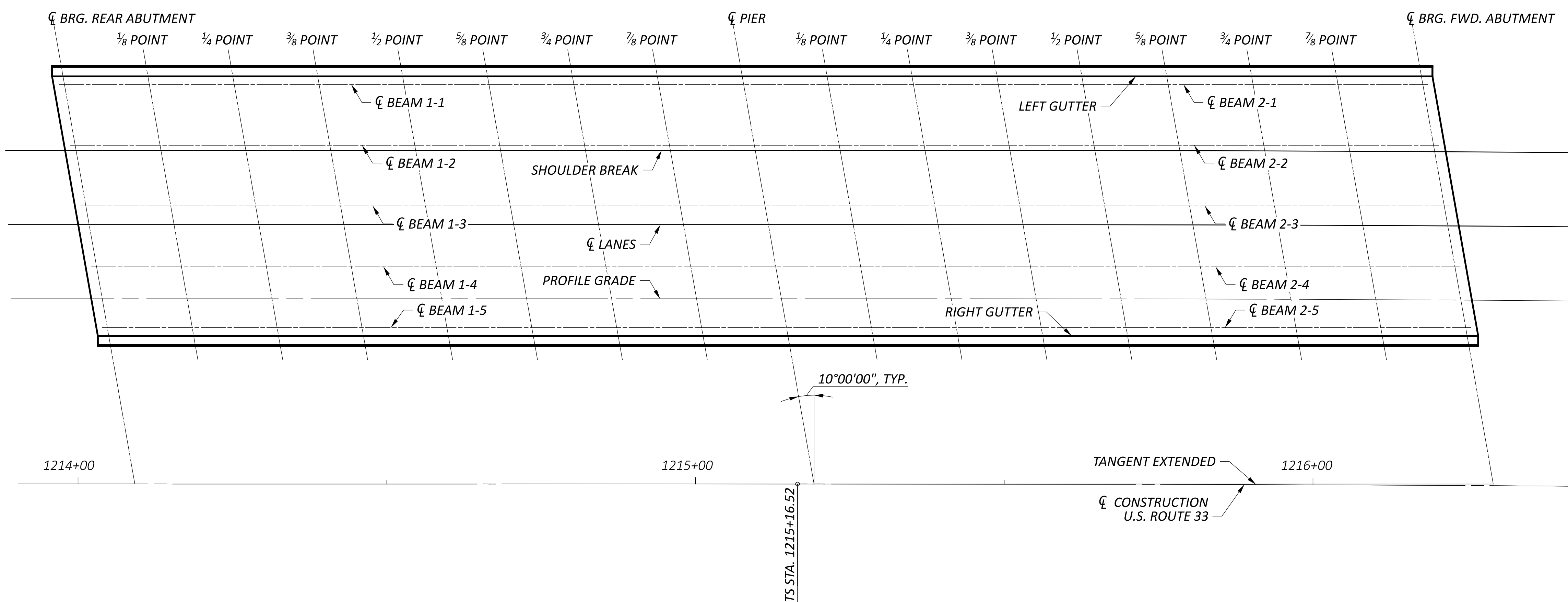
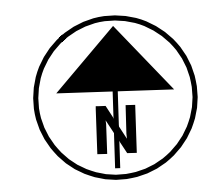
- ① TYPE A WATERPROOFING (INCLUDE WITH APPROACH SLAB FOR PAYMENT).
- ② PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL. FOR ADDITIONAL DETAILS, SEE STD. DWG. AS-1-15, DETAIL B (INCLUDE WITH APPROACH SLAB FOR PAYMENT).

- NOTES:
1. FOR ADDITIONAL DIAPHRAGM DETAILS, SEE STD. DWG. PSID-1-13.
 2. ABUTMENT DIAPHRAGM CONCRETE: PLACE THE DIAPHRAGM CONCRETE ENCASING THE STRUCTURAL MEMBER ENDS AFTER THE DECK PLACEMENT IN THE ADJACENT SPAN IS COMPLETE. PROCEDURES THAT PLACE THE ABUTMENT DIAPHRAGM WITH THE DECK CONCRETE MAY BE APPROVED BY THE ENGINEER IF THE PLACEMENT SUBMITTAL CAN ASSURE THAT THE DECK CONCRETE IN THE ADJACENT SPAN WILL BE PLACED BEFORE CONCRETE IN THE DIAPHRAGM HAS REACHED ITS INITIAL SET.

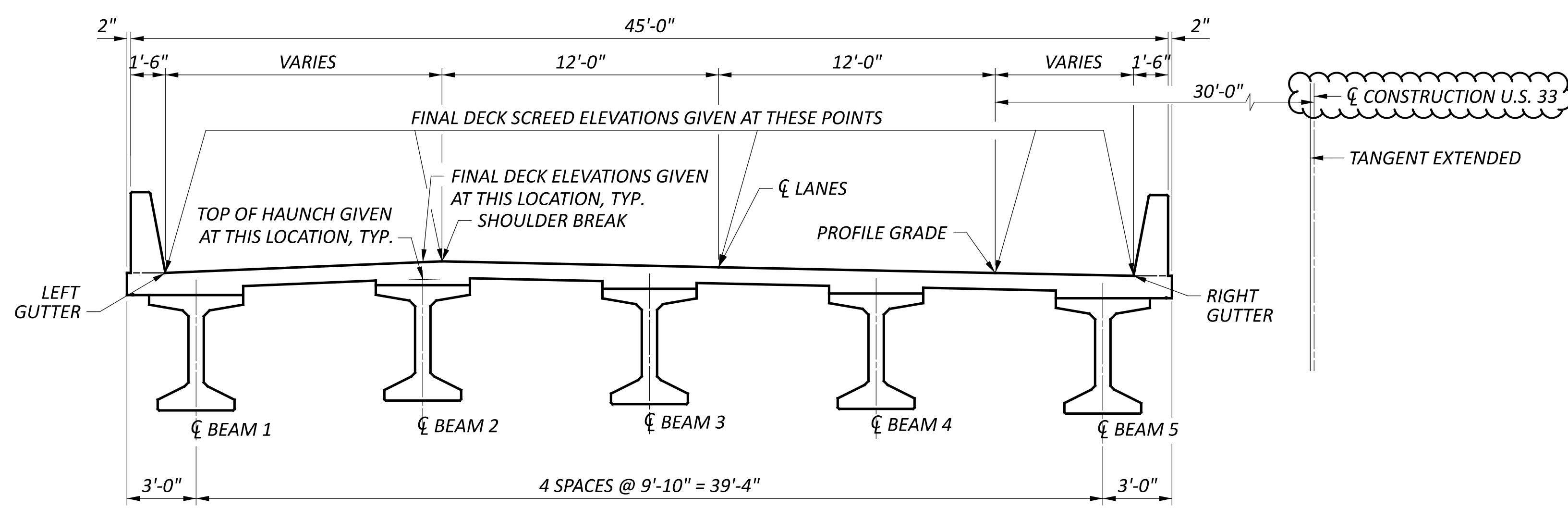


ELEVATION

LAP LENGTHS:
#8 BARS = 5'-6"



PLAN

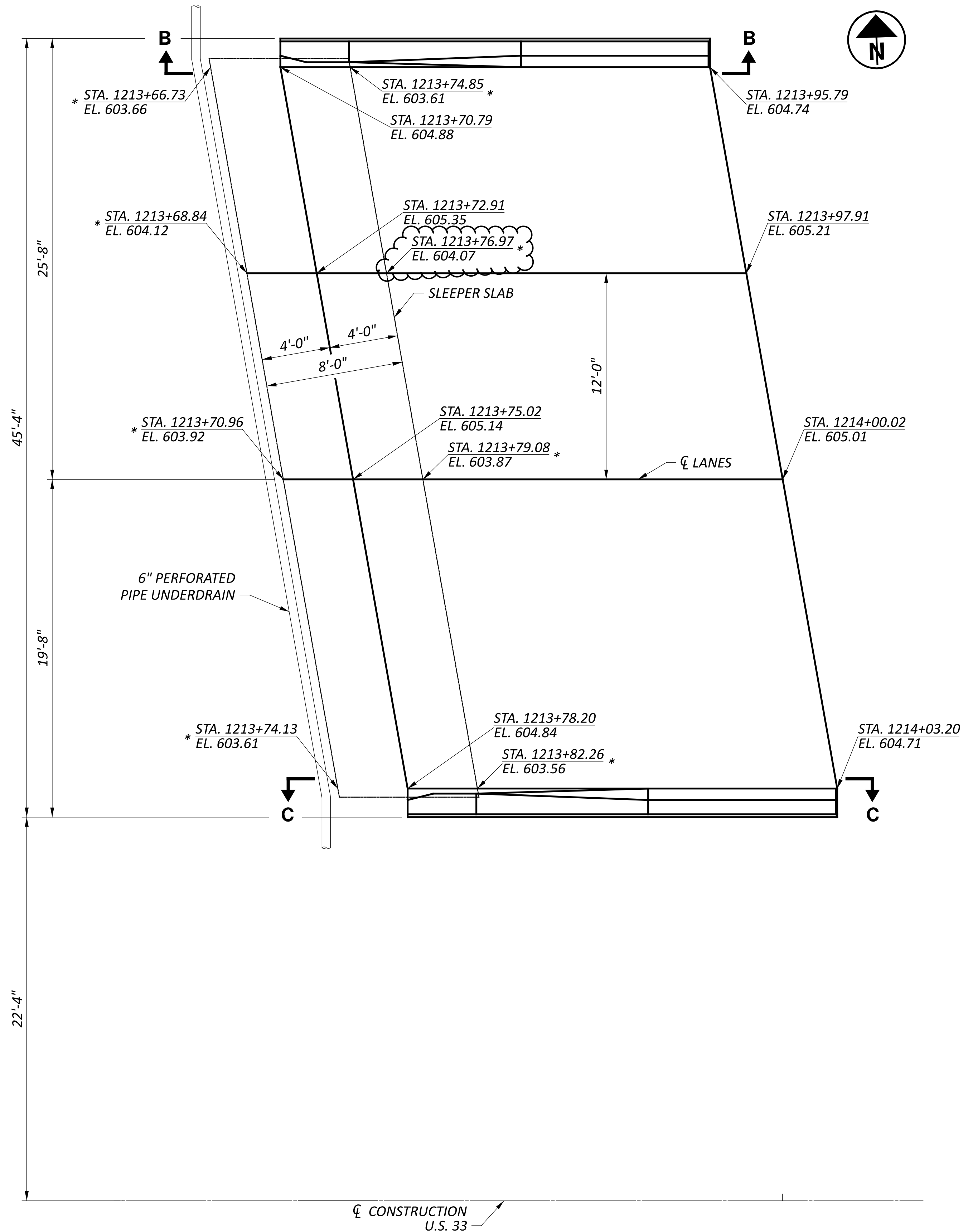


TYPICAL SECTION

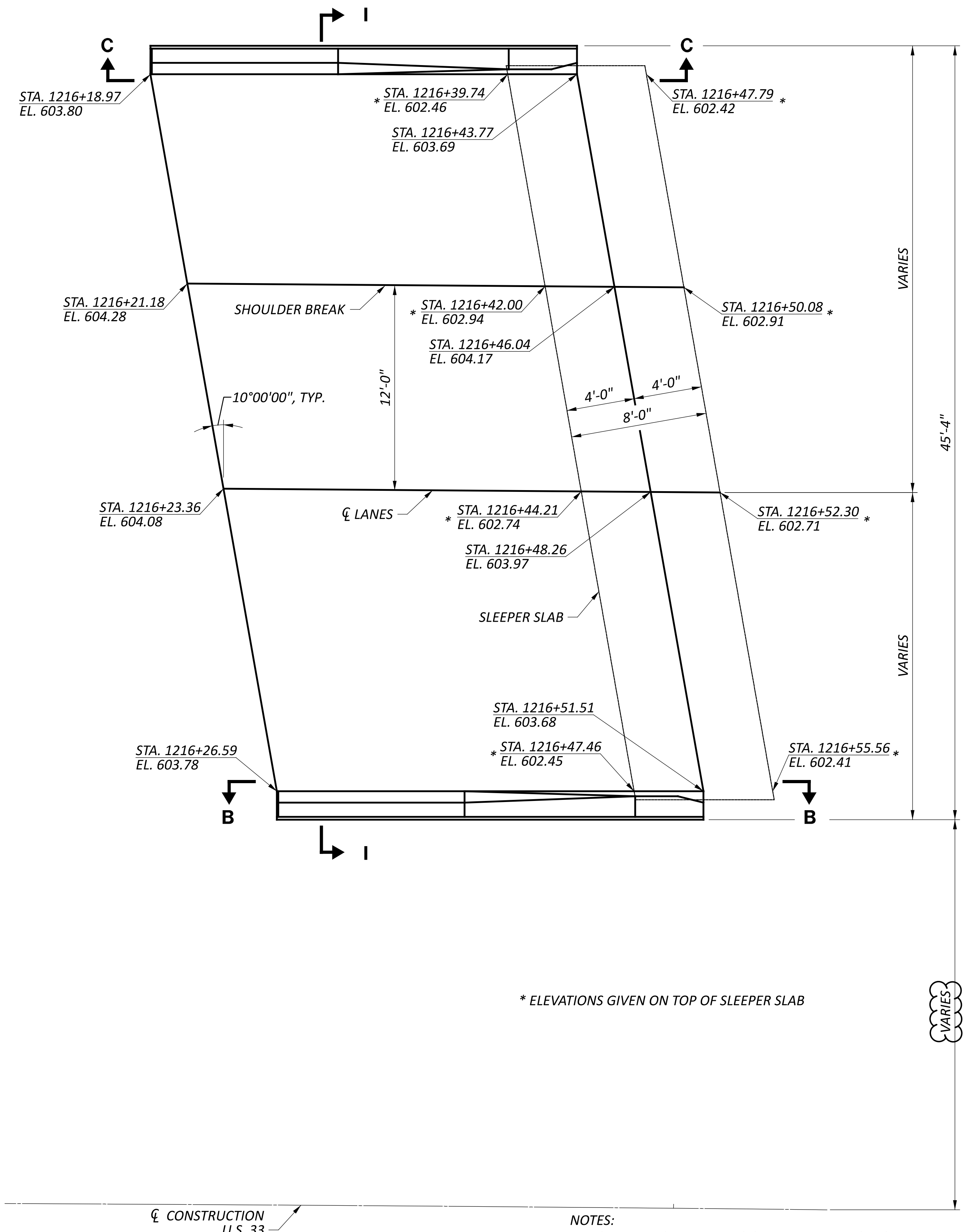
- NOTES:**
1. FOR SCREED, TOP OF HAUNCH AND FINAL DECK ELEVATIONS, SEE SHEET [20] [24].
 2. SCREED ELEVATIONS SHOWN REPRESENT THE THEORETICAL DECK SURFACE LOCATION PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.
 3. TOP OF HAUNCH ELEVATIONS SHOWN REPRESENT THE THEORETICAL LOCATION OF THE BOTTOM OF THE DECK ABOVE THE BEAM/GIRDER HAUNCH PRIOR TO DEFLECTION CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.
 4. FINAL DECK SURFACE ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURRED.

SCREEN DIAGRAM
 BRIDGE NO. MEG-00033-23.994
 U.S. 33 OVER OLD TOWN CREEK AND T.R. 134 (SHARON HOLLOW RD)

SFN 5300002	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100, COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
TRK	BSM
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
19	24
SHEET	TOTAL
P.837	940



REAR APPROACH SLAB



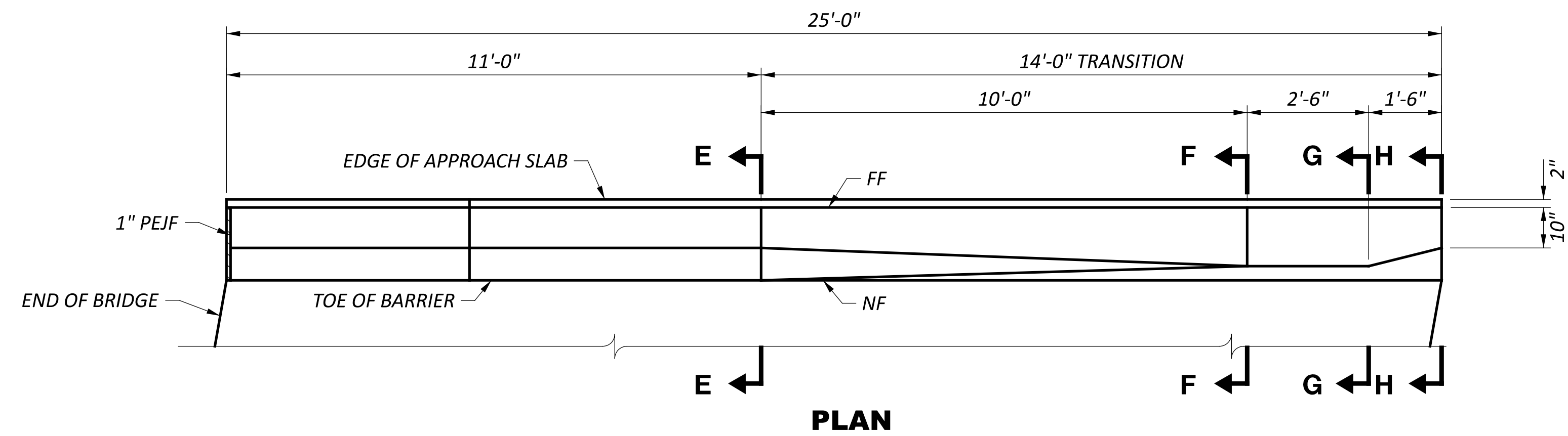
FORWARD APPROACH SLAB

* ELEVATIONS GIVEN ON TOP OF SLEEPER SLAB

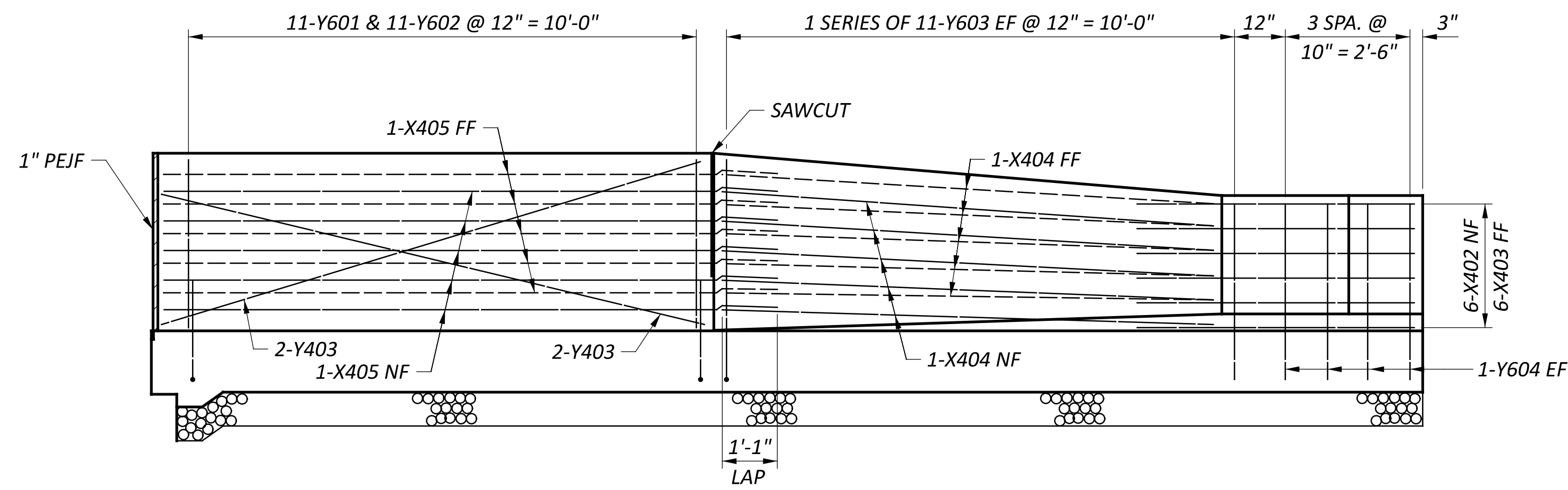
NOTES:

- FOR ADDITIONAL DETAILS OF THE BARRIER, SEE STD. DWG. SBR-1-20 AND SHEET [15 | 24].
- FOR ADDITIONAL DETAILS OF THE APPROACH SLAB, SEE STD. DWG. AS-1-15 AND AS-2-15.
- FOR SECTION B-B, SECTION C-C AND SECTION I-I SEE SHEET [22 | 24].
- OUTLET 6" PERFORATED PIPE UNDERDRAIN IN ACCORDANCE WITH STD. DWG. AS-2-15.
- THE COST OF CONCRETE, AND INCIDENTALS IN BARRIER TO BE INCLUDED WITH ITEM 526 REINFORCED CONCRETE, APPROACH SLAB, AS PER PLAN.

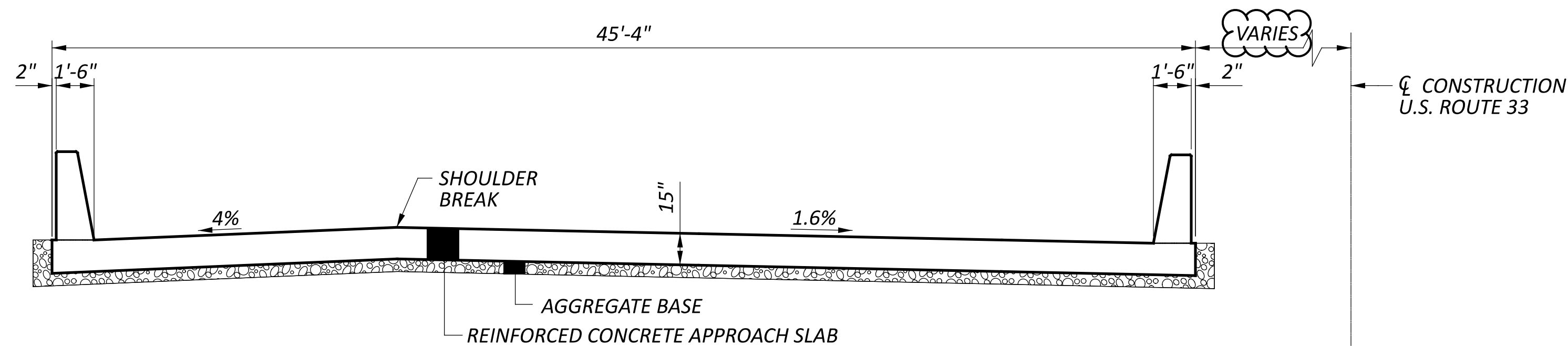
SFN	
5300002	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100 COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
TRK	BSM
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
21	24
SHEET	TOTAL
P.839	940



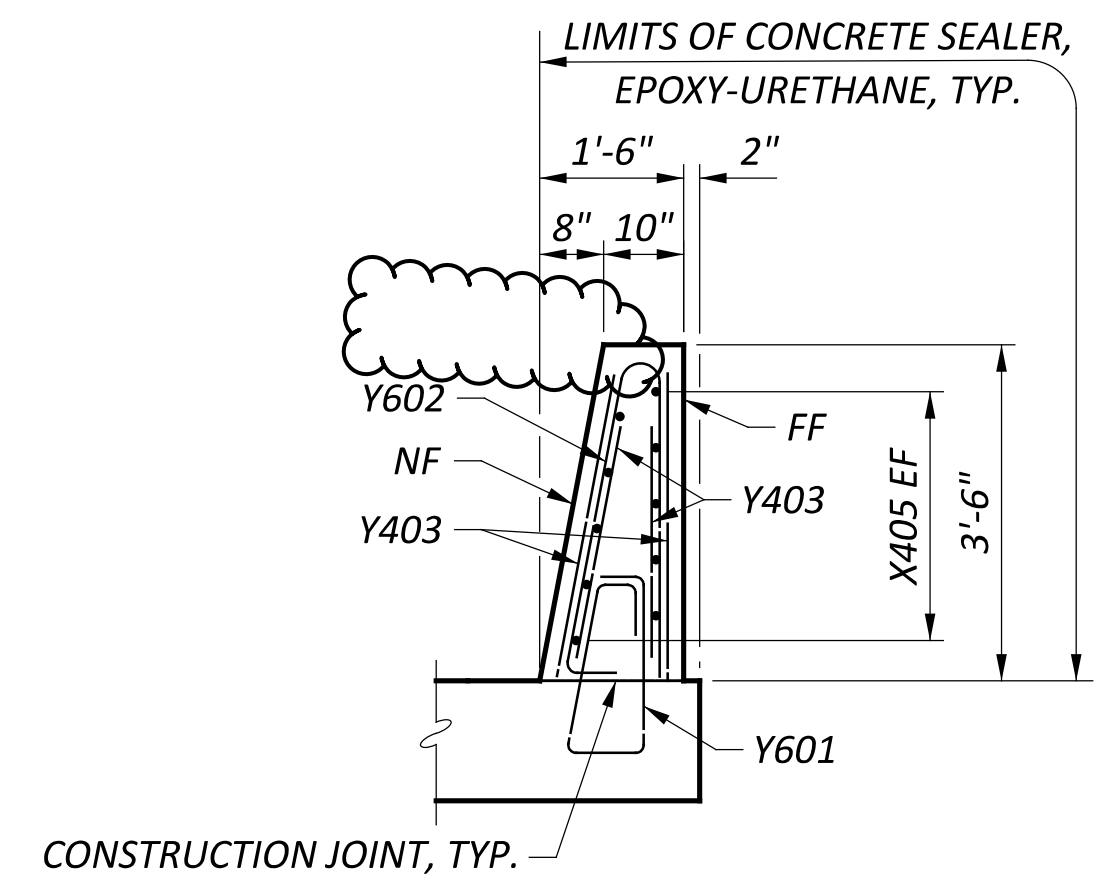
PLAN



SECTION C-C
(SECTION B-B OPPOSITE HAND)

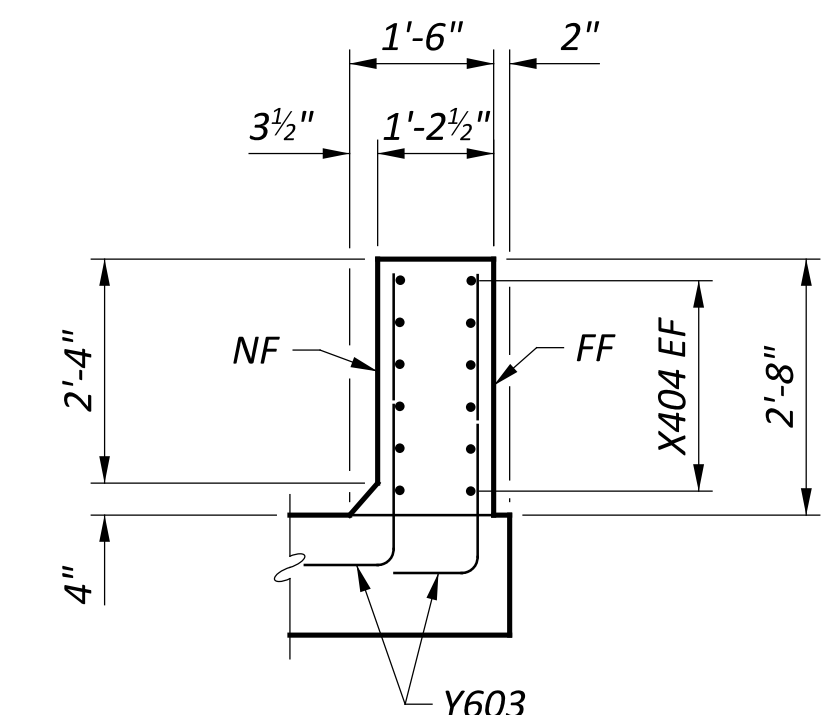


SECTION I-I

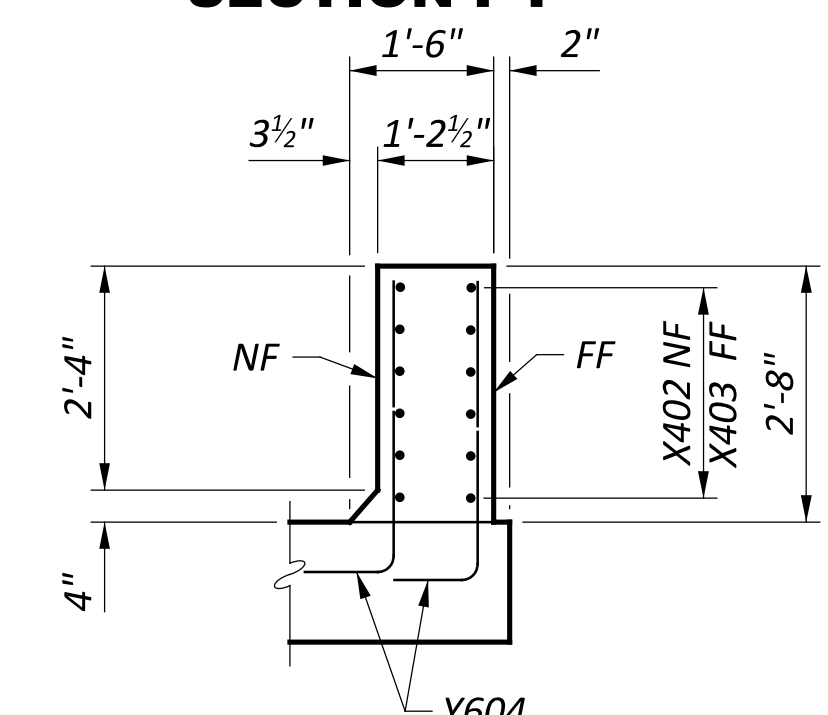


CONSTRUCTION JOINT, TYP.

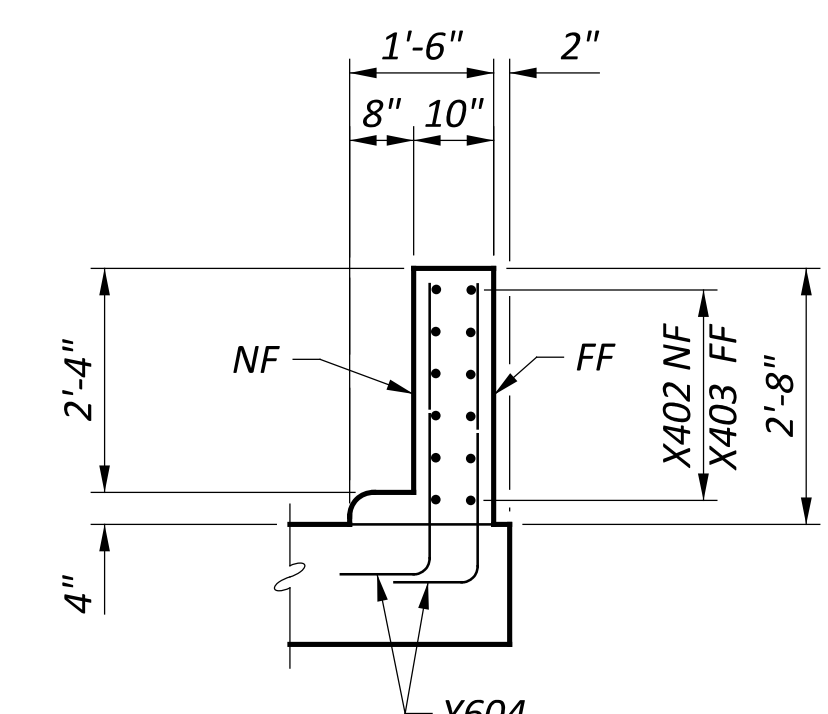
SECTION E-E



SECTION F-F



SECTION G-G



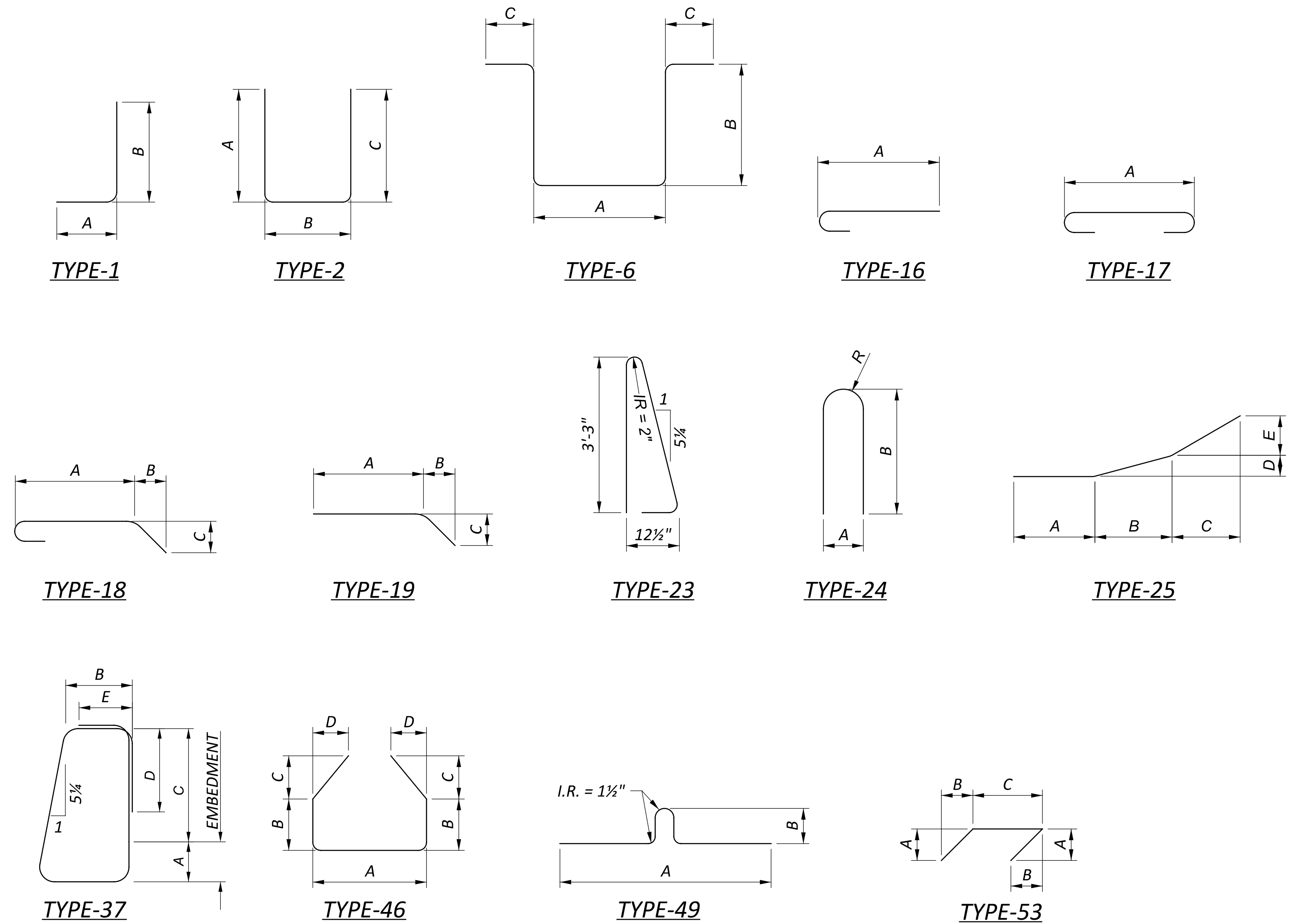
SECTION H-H

- NOTES:
 1. FOR BRIDGE TERMINAL ASSEMBLY DETAILS, SEE ROADWAY PLANS.
 2. FOR SECTION LOCATION, SEE SHEET 21 24.

SFN 5300002	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100, COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
TRK	BSM
REVIEWER	
MRS 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
22	24
SHEET	TOTAL
P.840	940

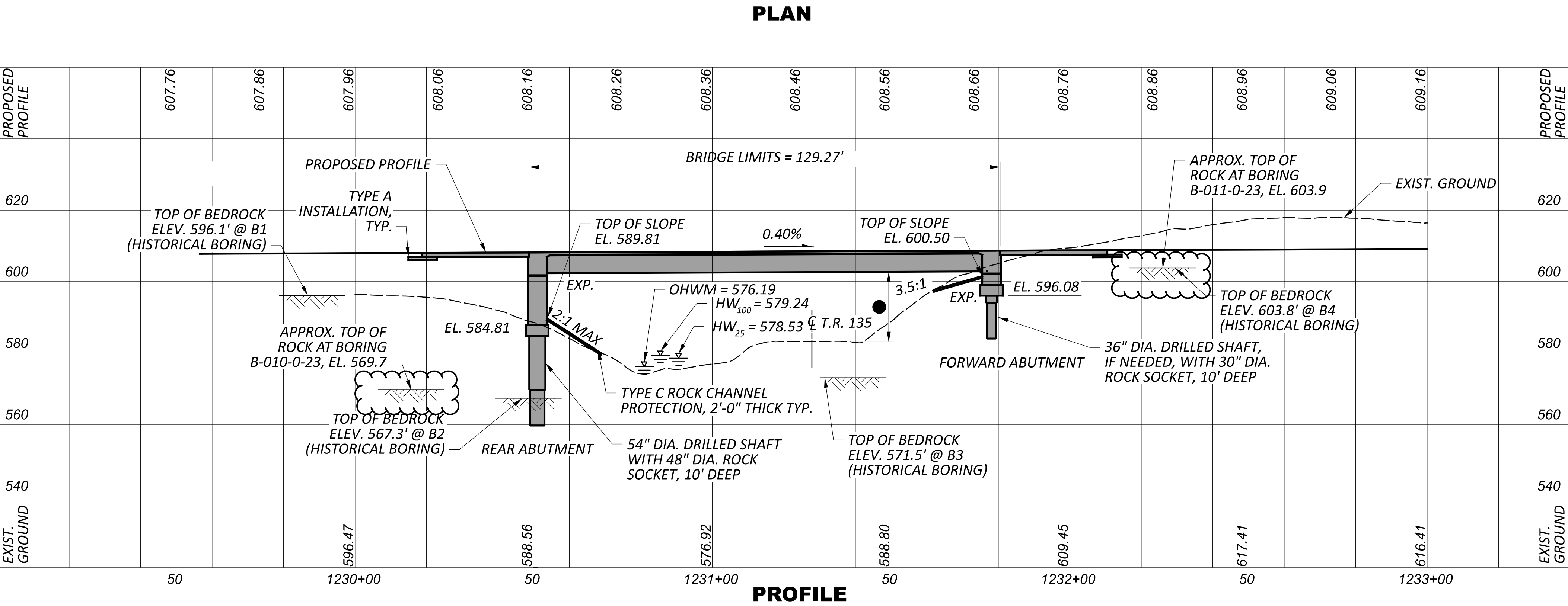
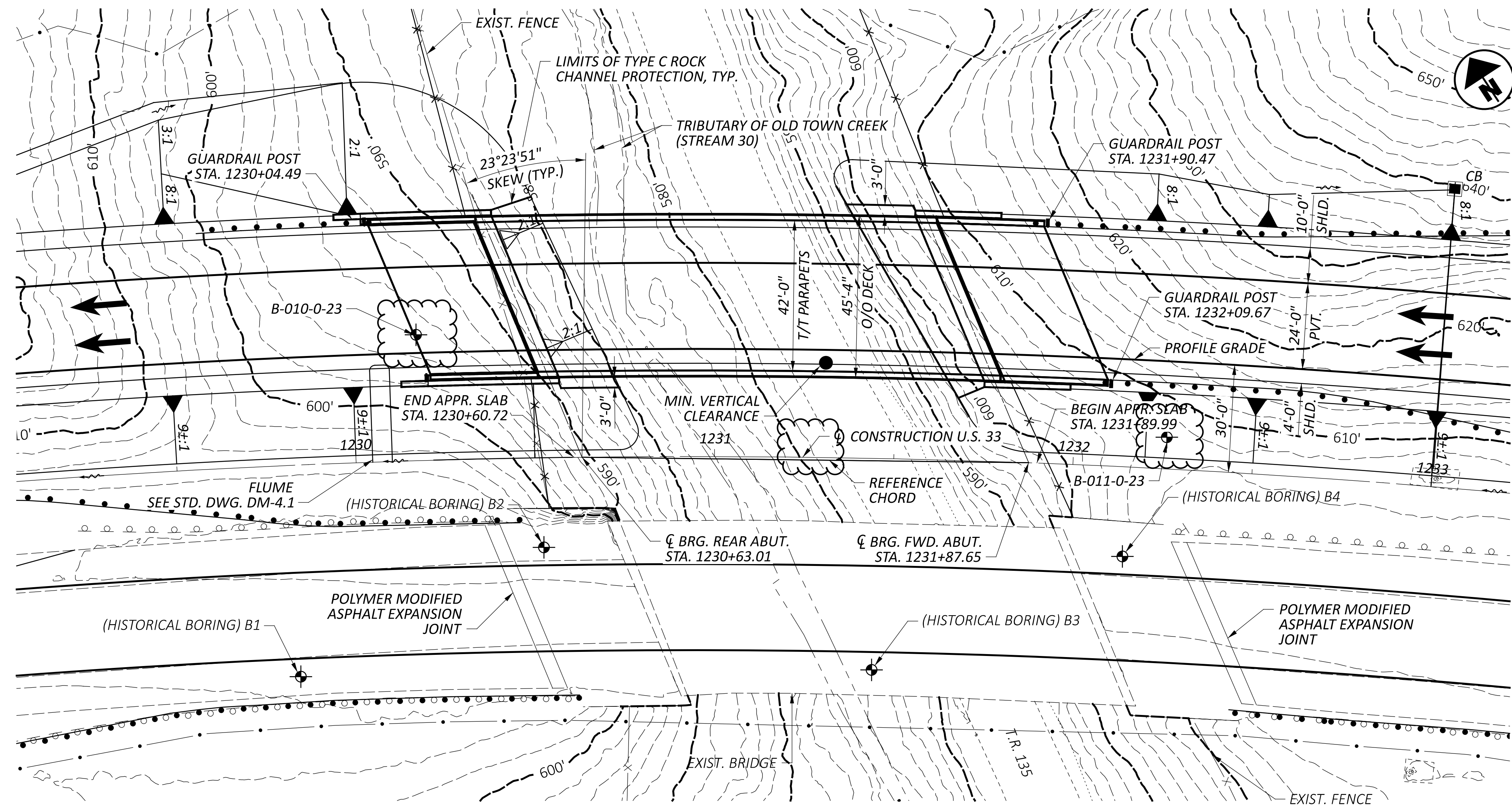
MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS						
					A	B	C	D	E	R	INC
SUPERSTRUCTURE AND APPROACH SLAB RAILING (EPOXY COATED STEEL REINFORCEMENT)											
D301	5	6'-2"	12	46	3'-0"	0'-2 1/4"	0'-8"	1'-4"			
D302	5	3'-5"	6	19	1'-8"	1'-2"	1'-4 1/2"				
D401	5	11'-0"	37	24	0'-4"	5'-3"			0'-2"		
D402	16	4'-8"	50	2	1'-0"	2'-10 1/2"	1'-0"				
D403	28	15'-9"	295	6	2'-8"	5'-9"	1'-0"				
D404	20	4'-8"	62	2	1'-0"	2'-10 1/2"	1'-0"				
D405	24	5'-7"	90	53	1'-0"	3'-10"	1'-0"				
D501	120	13'-7"	1700	2	4'-10"	4'-2"	4'-10"				
D502	60	14'-1"	881	2	5'-4"	3'-8"	5'-4"				
D601	24	8'-10"	318	STR							
D602	8	6'-4"	76	STR							
D801	24	10'-6"	673	17	8'-10"						
D802	16	25'-9"	1100	STR							
D803	8	16'-0"	342	STR							
D804	8	26'-0"	555	STR							
D805	16	2'-3"	96	STR							
D806	56	4'-10"	723	18	2'-8"	1'-0"	1'-0"				
D807	8	7'-11"	169	17	6'-3"						
D808	4	1'-0"	11	STR							
D809	32	7'-6"	641	1	5'-8"	2'-0"					
S401	432	30'-0"	8657	STR							
S402	430	4'-8"	1340	STR							
S403	600	4'-8"	1870	49	3'-9"	8"					
S501	568	30'-0"	17,773	STR							
S502	71	7'-3"	537	STR							
S503	432	29'-6"	13,292	16	28'-11"						
S504	432	19'-8"	8861	16	19'-1"						
S505	864	24'-0"	21628	STR							
S506	886	8'-1"	7470	16	7'-6"						
S507	4	4'-10"			4'-3"						
S507	SERIES OF 14	TO 41'-9"	1363	16	TO 41'-2"						
S601	53	30'-0"	2388	STR							
S602	53	26'-0"	2070	STR							
S801	16	25'-8"	1096	STR							
Y601	536	7'-2"	5770	37	9"	9 1/2"	1'-5"	1'-0"	7"		
Y602	536	7'-0"	5636	23							
Y603	4	4'-1"				3'-3"					
Y603	SERIES OF 11	TO 4'-11"	297	1	1'-0"	TO 4'-1"				0'-1"	
Y604	32	4'-1"	196	1	1'-0"	3'-3"					
SUB-TOTAL			108081								

MARK	NUMBER TOTAL	LENGTH	TOTAL LENGTH	TYPE	DIMENSIONS						
					A	B	C	D	E	R	INC
SUPERSTRUCTURE AND APPROACH SLAB RAILING (GLASS FIBER REINFORCED POLYMER - GFRP)											
X401	120	38'-2"	4580'-0"	STR							
X402	24	6'-4"	152'-0"	25	2'-6"	2'-5"	1'-4"	1 1/2"	5"		
X403	24	5'-1"	122'-0"	STR							
X404	40	10'-0"	400'-0"	STR							
X405	40	11'-11"	476'-8"	STR							
Y401	160	10'-0"	1600'-0"	STR							
Y402	16	11'-10"	189'-4"	STR							
Y403	16	11'-0"	176'-0"	STR							
SUB-TOTAL			7696'-0"								



REINFORCING STEEL LIST (2)
 BRIDGE NO. MEG-00033-23.994
 U.S. 33 OVER OLD TOWN CREEK AND T.R. 134 (SHARON HOLLOW RD)

SFN 5300002
 DESIGN AGENCY
Stantec
 1500 LAKE SHORE DRIVE, SUITE 100
 COLUMBUS, OH 43204
 (614) 486-4383
 DESIGNER: TRK CHECKER: BSM
 REVIEWER: MRS 09-26-24
 PROJECT ID: 119144
 SUBSET: 24 TOTAL: 24
 SHEET: P.842 TOTAL: 940



BENCHMARK DATA				
SV5115 STA.	1225+00.001	ELEV.	604.582	OFFSET 0.270', LT.
SV5116 STA.	1229+99.952	ELEV.	604.724	OFFSET 0.120', RT.
SV5118 STA.	1239+99.897	ELEV.	613.054	OFFSET 0.025', RT.
SV5119 STA.	1245+00.007	ELEV.	629.235	OFFSET 0.461', LT.

FOR ADDITIONAL BENCHMARK INFORMATION. SEE ROADWAY PLAN SHEET

NOTES
 EARTHWORK LIMITS SHOWN ARE APPROXIMATE. ACTUAL SLOPES SHALL CONFORM TO PLAN CROSS SECTIONS.

DESIGN TRAFFIC:
 2028 ADT = 3410 2028 ADTT = 887
 2048 ADT = 4015 2028 ADTT = 1044
 WESTBOUND TRAFFIC ONLY CARRIED ON BRIDGE

LEGEND
 ◉ BORING LOCATION
 ● 14'-6" REQUIRED MINIMUM VERTICAL CLEARANCE
 ● 18'-5"± ACTUAL MINIMUM VERTICAL CLEARANCE

HYDRAULIC DATA
 DRAINAGE AREA = 0.32 SQ. MILES
 Q (25) = 241 CFS V (25) = 5.57 FT/S
 Q (100) = 376 CFS V (100) = 6.41 FT/S
 STRUCTURE CLEARS THE 25 YEAR DESIGN HW BY 23.09 FEET.

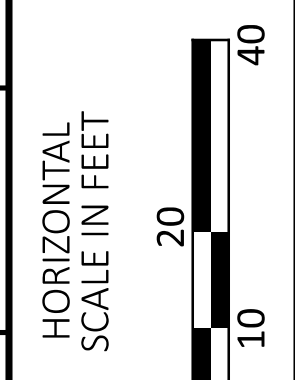
CURVE DATA	
P.I. STA. 1236+85.39	ST = 121.73'
Δ = 75°51'53" RT.	Lc = 3,006.77'
Dc = 02°15'00"	Ts = 2,168.86'
R = 2,546.48'	S.C. = 1218+81.52
Ls = 365.00'	C.S. = 1248+88.29
Θs = 04°06'22"	
LT = 243.40'	

PROPOSED STRUCTURE

TYPE: PRESTRESSED CONCRETE I BEAMS (WF60-49) WITH COMPOSITE CONCRETE SLAB SUPPORTED BY SEMI-INTEGRAL ABUTMENTS

SPANS: 124'-7 7/8" C/C BEARINGS MEASURED ALONG THE REFERENCE CHORD
 ROADWAY: 42'-0" TOE/TOE PARAPET
 LOADING: HL93 AND 60 PSF FUTURE WEARING SURFACE
 SKEW: 23°23'51" RIGHT FORWARD TO REFERENCE CHORD
 WEARING SURFACE: 1" MONOLITHIC WEARING SURFACE
 APPROACH SLABS: 30'-0" LONG (AS-1-15, AS-2-15 (17")) TYPE A INSTALLATION
 ALIGNMENT: 2°15'00" CURVE (RT.)
 SUPERELEVATION: 0.063 FT/FT
 DECK AREA: 5837 SF

COORDINATES: LATITUDE 38°57'53.12"
 LONGITUDE -81°49'29.51"




SITE PLAN
 BRIDGE NO. MEG-00033-24307
 U.S. 33 OVER TRIBUTARY OF OLD TOWN CREEK AND T.R. 135 (SELLERS RIDGE RD.)

SFN	5300004
DESIGN AGENCY	
DESIGNER	MRS
CHECKER	EDA
REVIEWER	
BSM	09-26-24
PROJECT ID	119144
SUBSET	1
TOTAL	24
SHEET	P.843
TOTAL	917

										CALCULATED BY: TRK	
										CHECKED BY: MRS	
ITEM	EXT	TOTAL	UNIT	DESCRIPTION	REAR ABUTMENT	FORWARD ABUTMENT	SUPER	GENERAL	SEE SHEET		
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-24.307 SFN 5300004) (PARTICIPATION CODE 03/NHS/08)											
503	11100	LS		COFFERDAMS AND EXCAVATION BRACING				LUMP			
503	21300	LS		UNCLASSIFIED EXCAVATION				LUMP			
503	21320	LS		UNCLASSIFIED EXCAVATION, INCLUDING ROCK				LUMP			
509	10000	102,496	LB	EPOXY COATED STEEL REINFORCEMENT	28,539	10,871	63,086				
509	30020	5,371	FT	NO. 4 DEFORMED GFRP REINFORCEMENT			5,371				
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	1	1					
511	34447	361	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN			361		18 24		
511	34450	39	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			39				
511	43512	430	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	338	92					
512	10100	972	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	195	70	707				
512	10300	601	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN			601				
512	33000	28	SY	TYPE 2 WATERPROOFING	21	7					
515	15110	6	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF60-49, 125'-11"			6				
515	20000	15	EACH	INTERMEDIATE DIAPHRAGMS			15				
516	13600	17	SF	1" PREFORMED EXPANSION JOINT FILLER			17				
516	13900	348	SF	2" PREFORMED EXPANSION JOINT FILLER			348				
516	14020	123	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL			123				
516	44100	12	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)(2.668"x12"x30"), AS PER PLAN			12		13 24		
518	21200	203	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	158	45					
518	40000	210	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	105	105					
518	40010	60	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	30	30					
524	94604	60	FT	DRILLED SHAFTS, 30" DIAMETER, INTO BEDROCK			60				
524	94702	12	FT	DRILLED SHAFTS, 36" DIAMETER, ABOVE BEDROCK			12				
524	94904	90	FT	DRILLED SHAFTS, 48" DIAMETER, INTO BEDROCK	90						
524	94906	136	FT	DRILLED SHAFTS, 54" DIAMETER, ABOVE BEDROCK	136						
526	30011	303	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17"), AS PER PLAN				303	21 24		
526	90010	91	FT	TYPE A INSTALLATION				91			
601	32204	109	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	56	53					
846	00110	38	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	19	19					
894	10000	2	EACH	THERMAL INTEGRITY PROFILING (TIP) TEST	1	1					
STRUCTURE OVER 20 FOOT SPAN (MEG-00033-24.310 SFN 5301696) (PARTICIPATION CODE 02/NHS/04)											
512	10100	233	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)			233		2 24		
512	10300	690	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN			690				

SFN
5300004

DESIGN AGENCY



Stantec
1500 LAKE SHORE DRIVE,
SUITE 100
COLUMBUS, OH 43204
(614) 486-4383

DESIGNER: MRS
CHECKER: EDA

REVIEWER

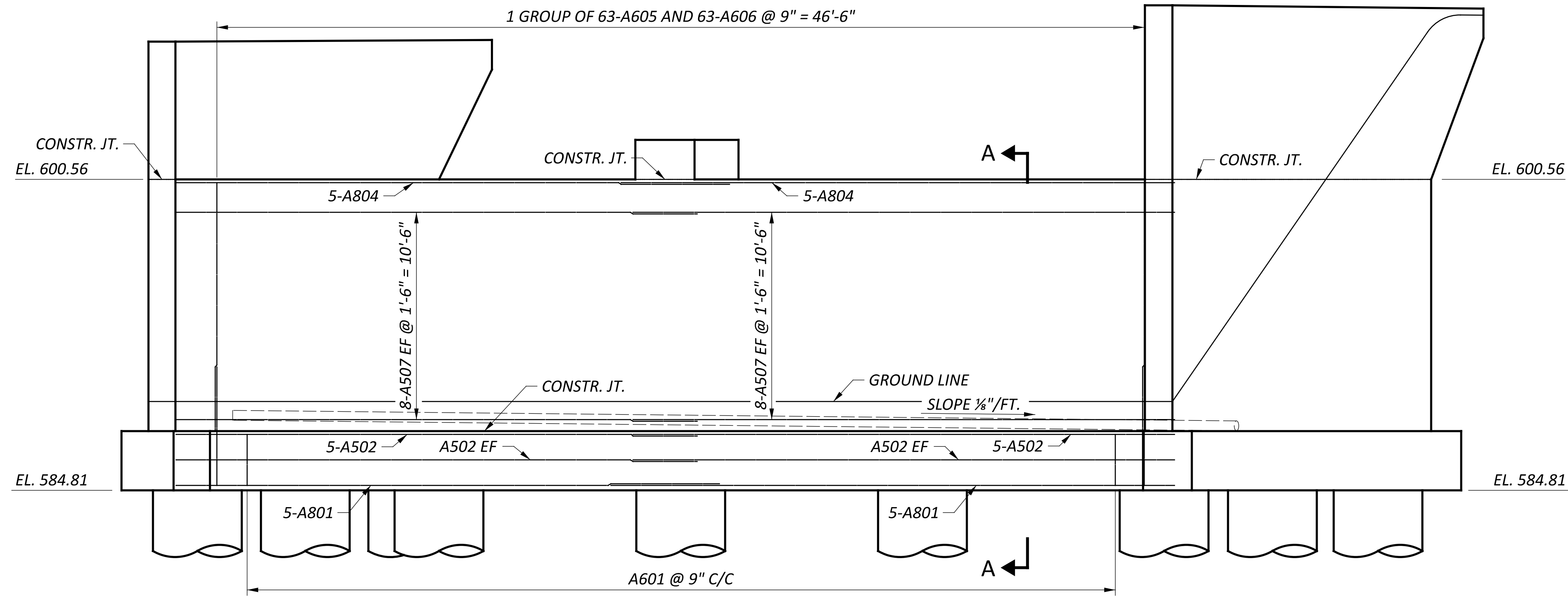
BSM 09-26-24

PROJECT ID
119144

SUBSET TOTAL
3 24

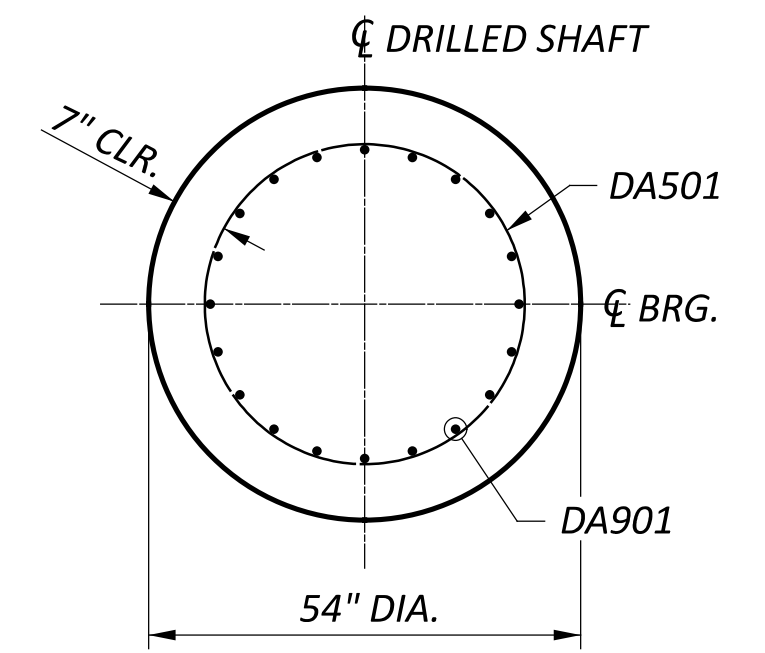
SHEET TOTAL
P.845 940

ESTIMATED QUANTITIES
 BRIDGE NO. MEG-00033-24.307
 U.S. 33 OVER TRIBUTARY OF OLD TOWN CREEK AND T.R. 135 (SELLERS RIDGE RD.)

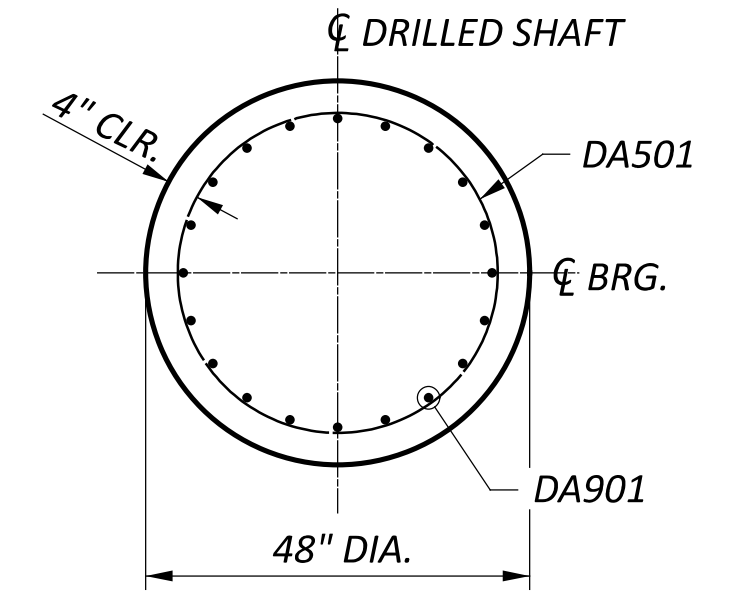


ELEVATION

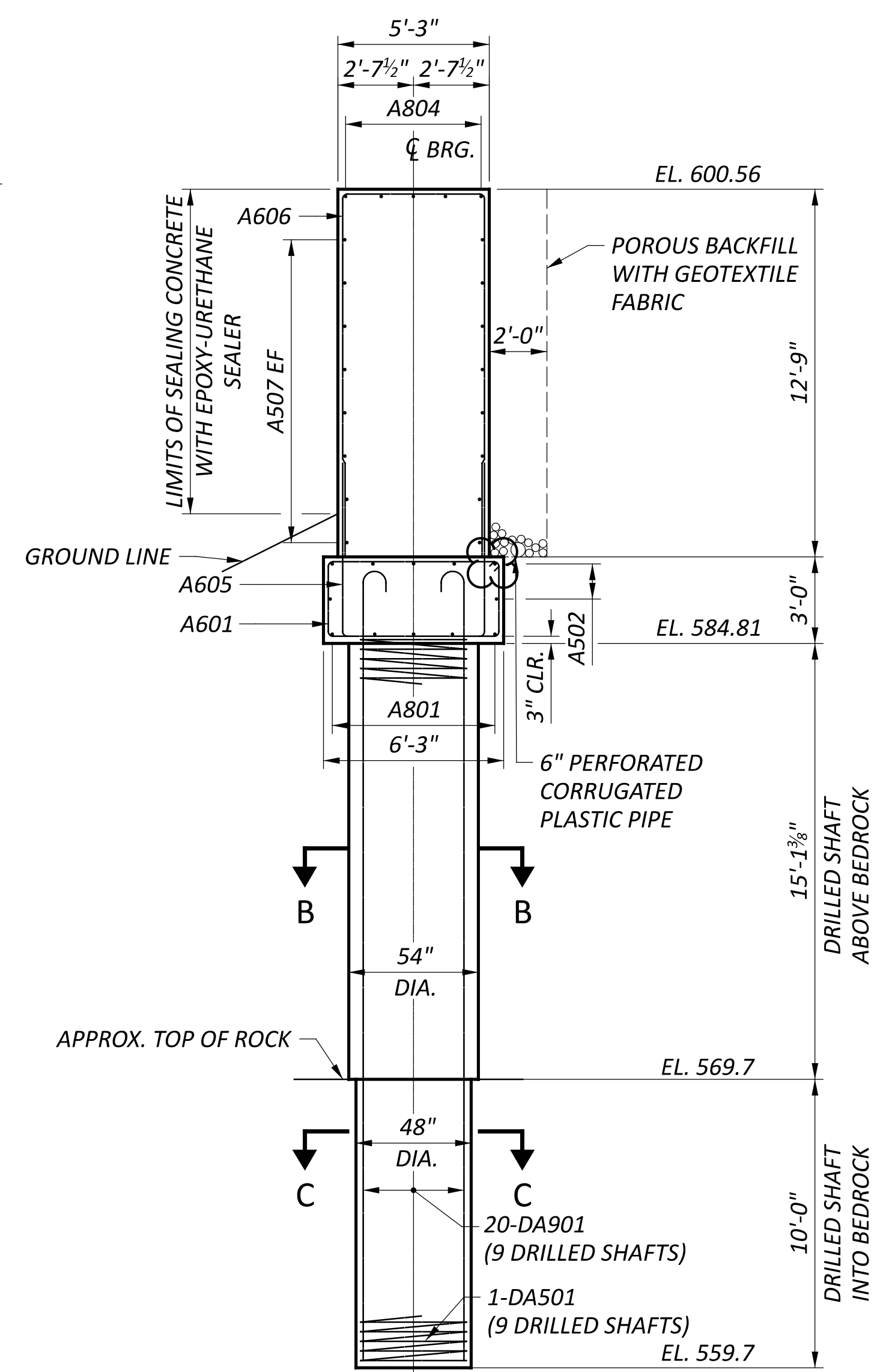
LAP LENGTHS:
 #5 BARS = 3'-3"
 #6 BARS = 3'-3"
 #8 BARS = 5'-6"



SECTION B-B

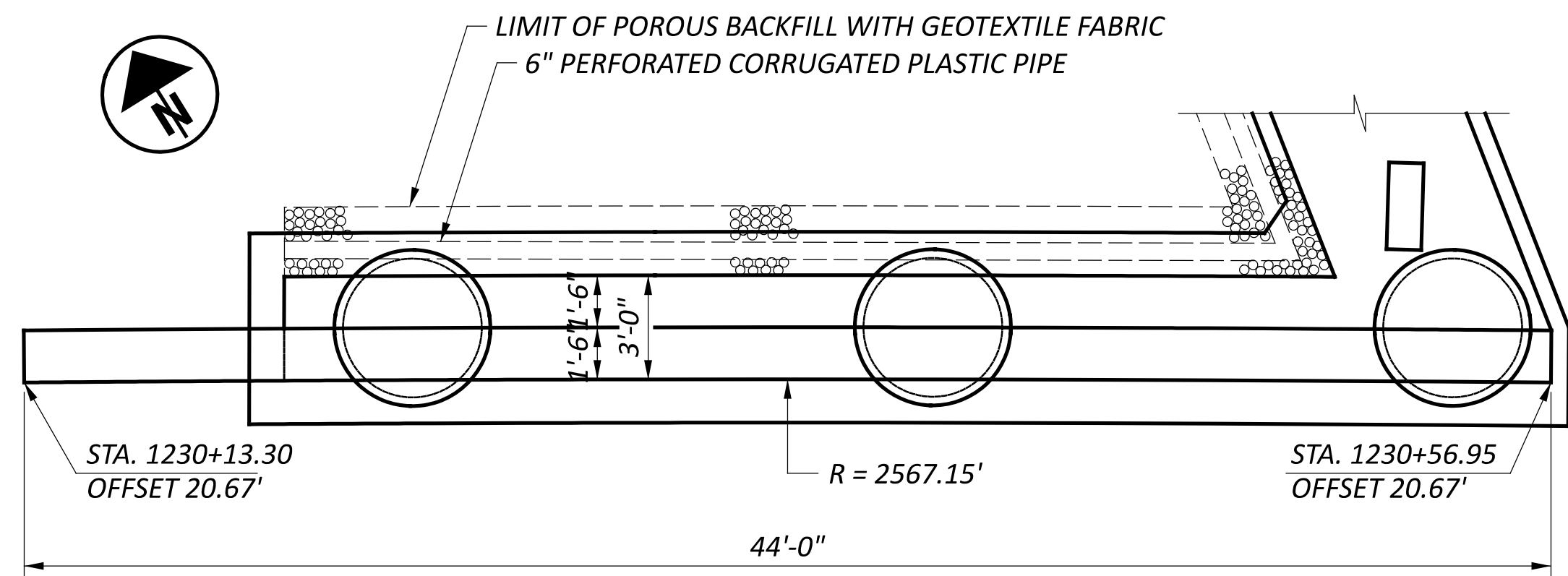


SECTION C-C

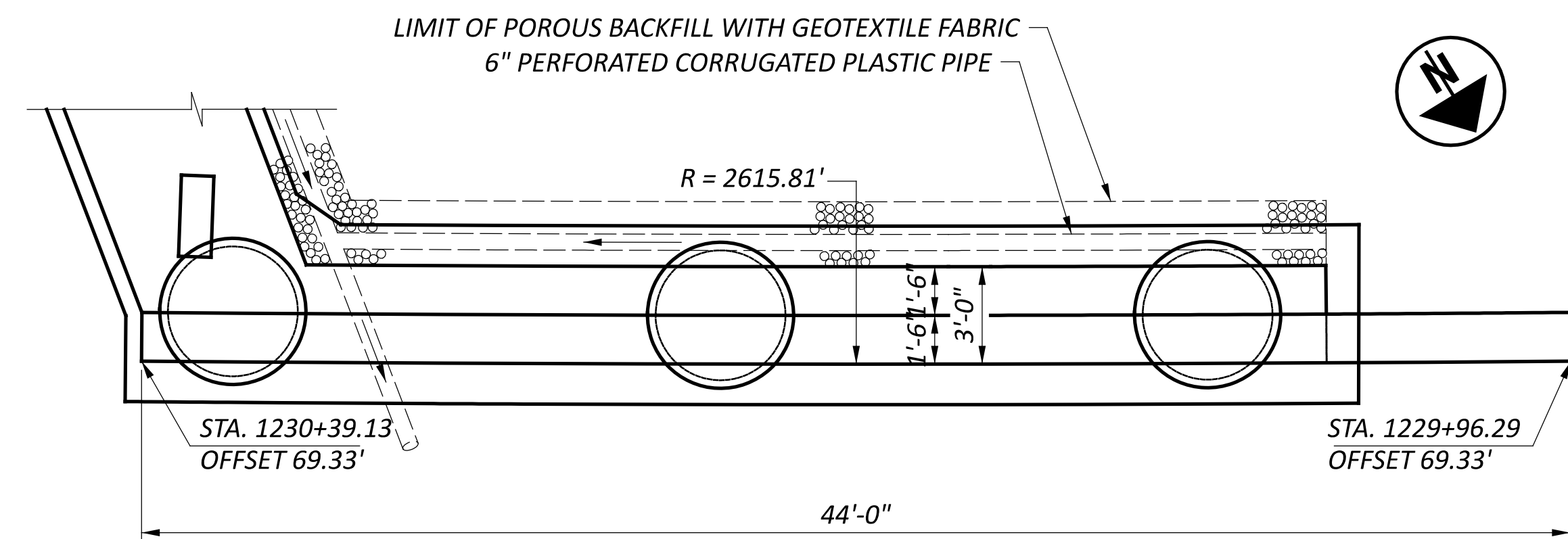


SECTION A-A

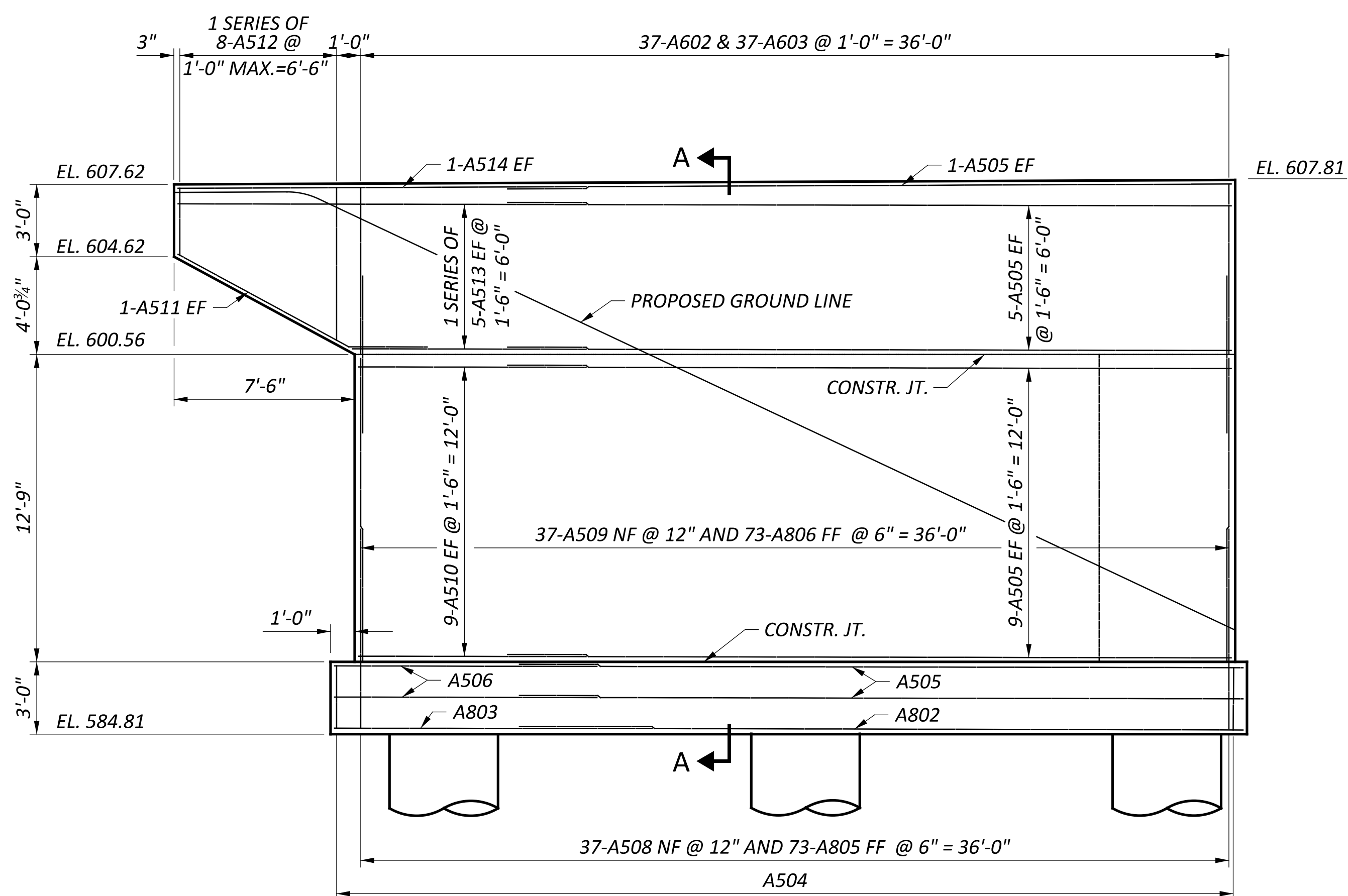
SFN	5300004
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	BSM
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	TOTAL
6	24
SHEET	TOTAL
P.848	940



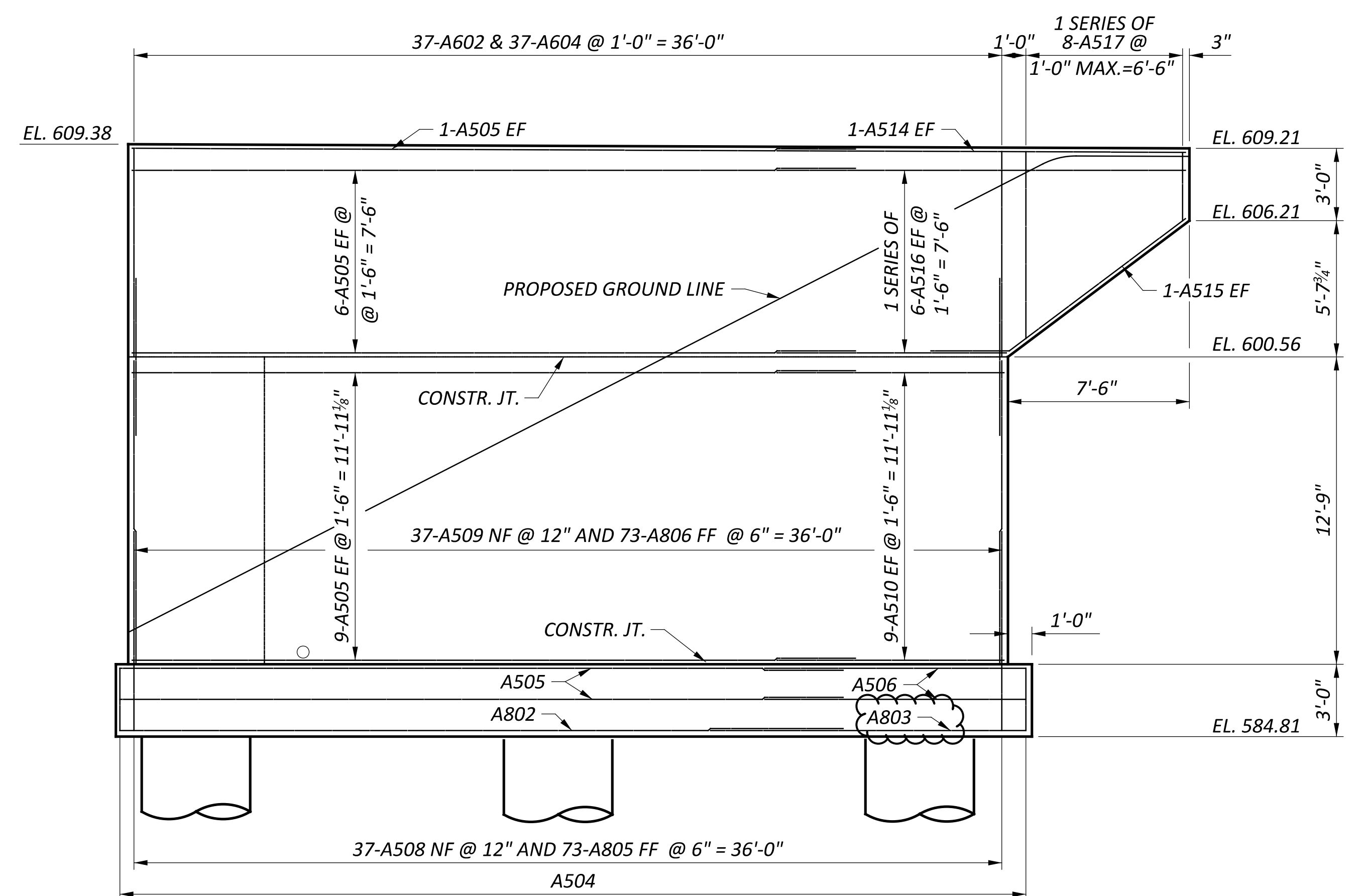
WINGWALL A PLAN



WINGWALL B PLAN



WINGWALL A ELEVATION



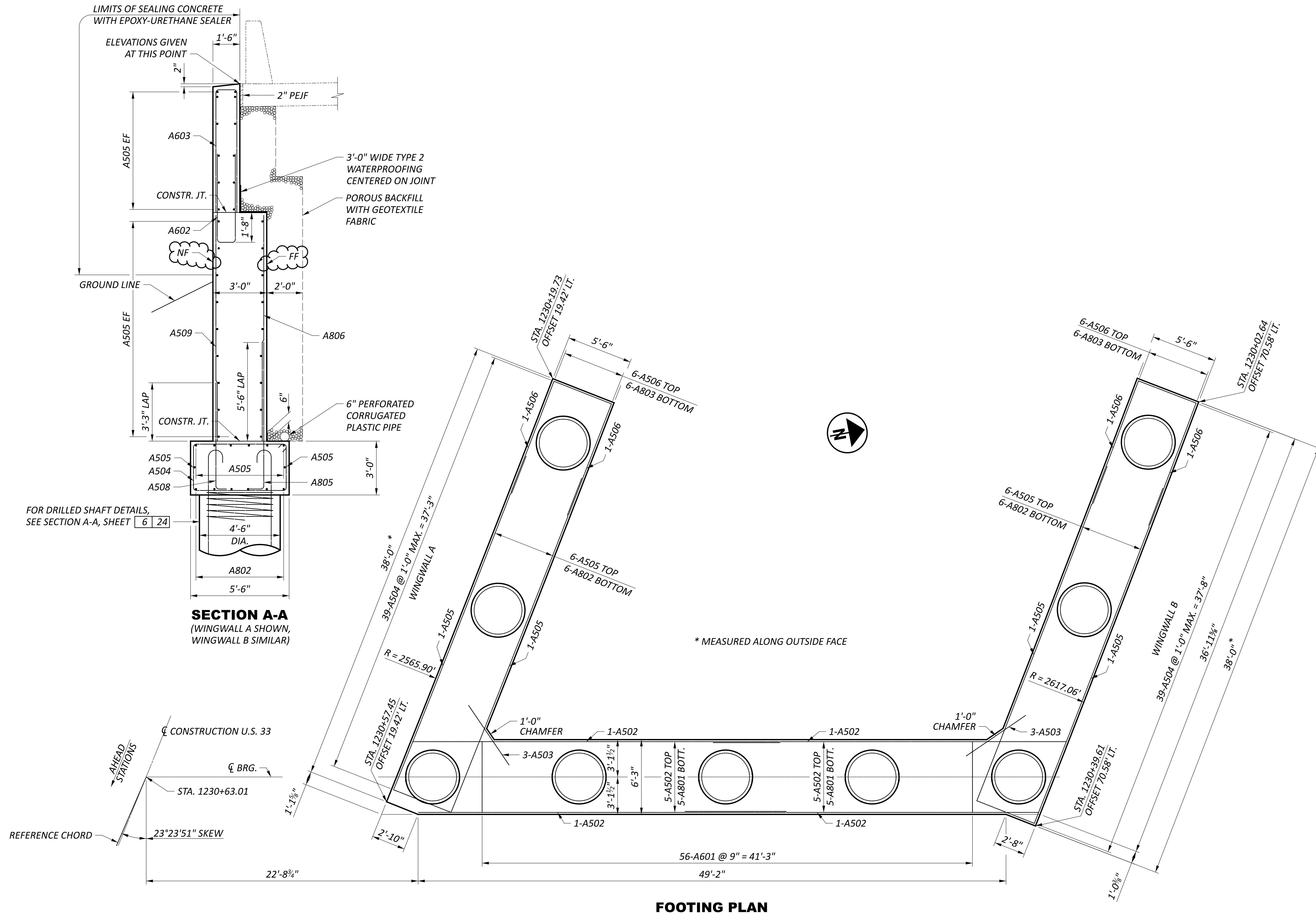
WINGWALL B ELEVATION

LAP LENGTHS:
 #5 BARS = 3'-3"
 #6 BARS = 3'-3"
 #8 BARS = 5'-6"

- NOTES:
1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET 4 24 .
 2. FOR FOOTING PLAN AND SECTION A-A, SEE SHEET 8 24 .
 3. POROUS BACKFILL WITH GEOTEXTILE FABRIC, 2'-0" THICK, SHALL EXTEND UP TO THE PLANE OF SUBGRADE, 2'-0" BELOW THE EMBANKMENT SURFACE, AND Laterally AS SHOWN.

REAR ABUTMENT (3)
 BRIDGE NO. MEG-00033-24.307
 U.S. 33 OVER TRIBUTARY OF OLD TOWN CREEK AND T.R. 135 (SELLERS RIDGE RD.)

SFN	5300004
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	BSM
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	7
TOTAL	24
SHEET	P.849
TOTAL	940



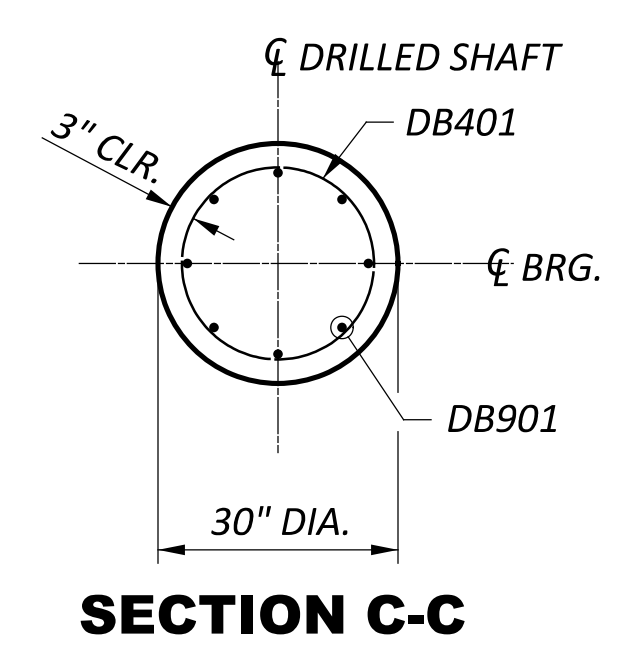
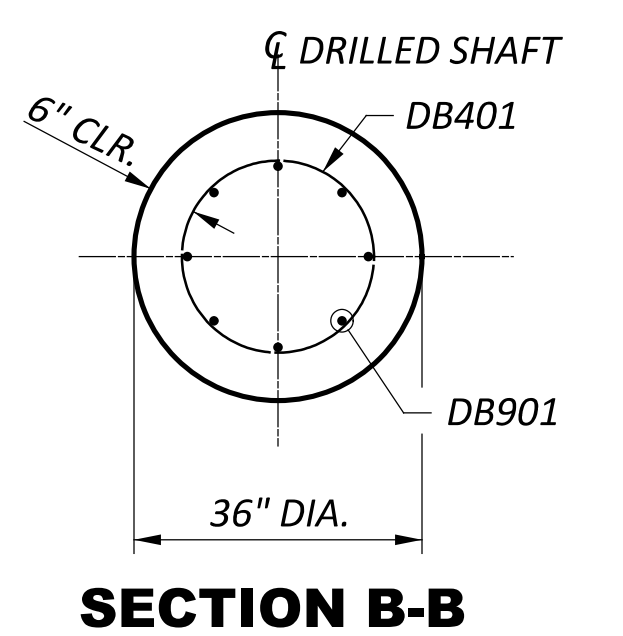
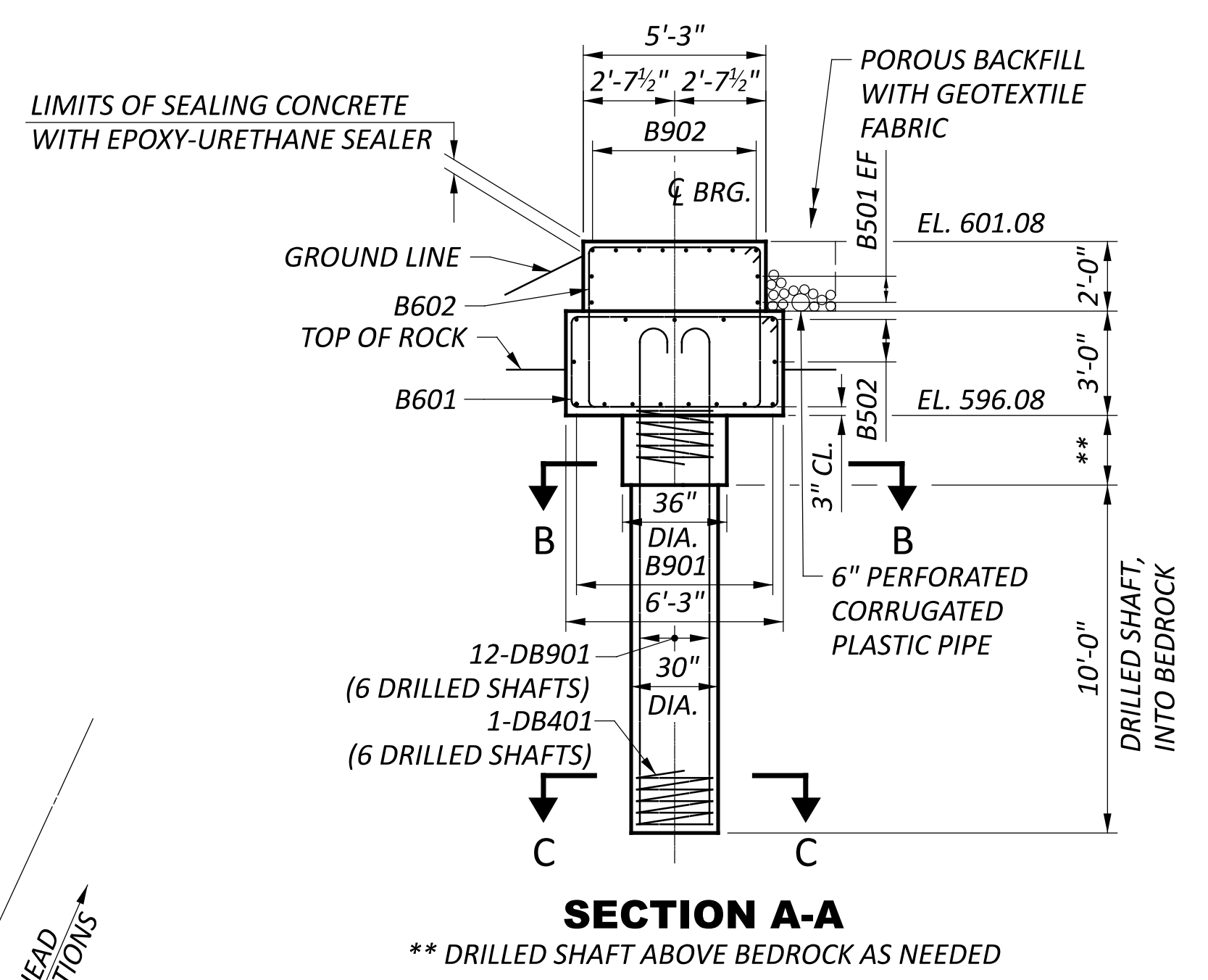
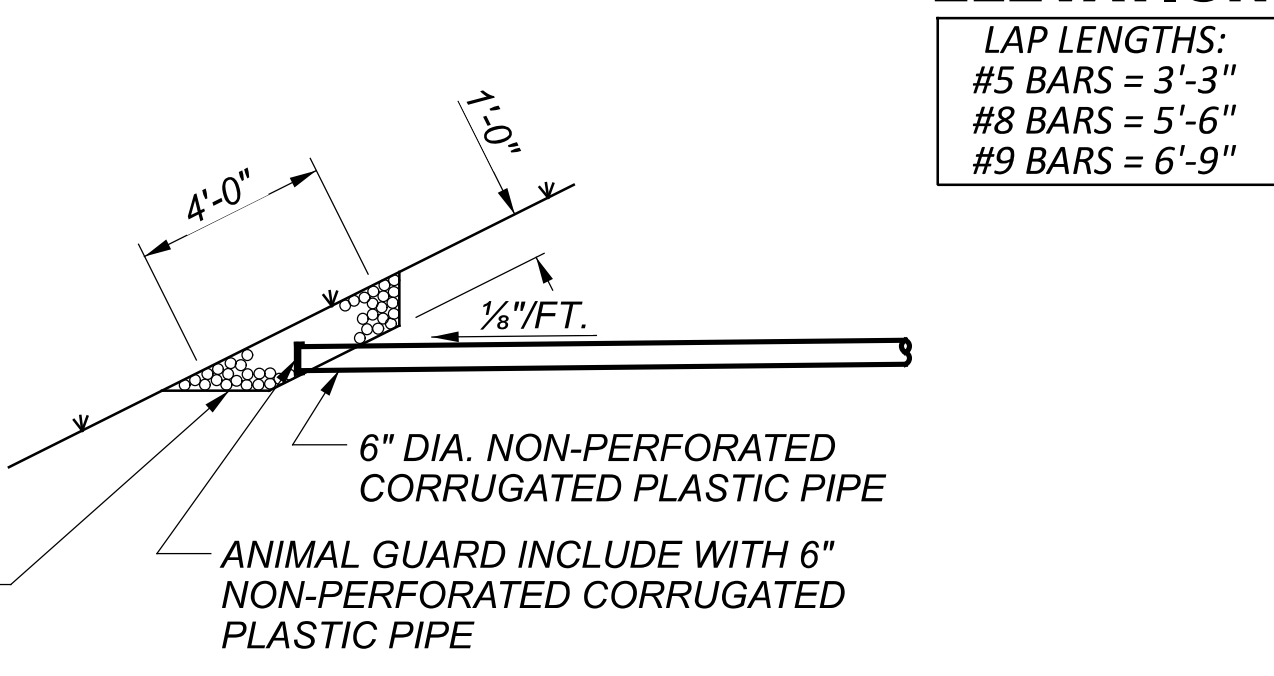
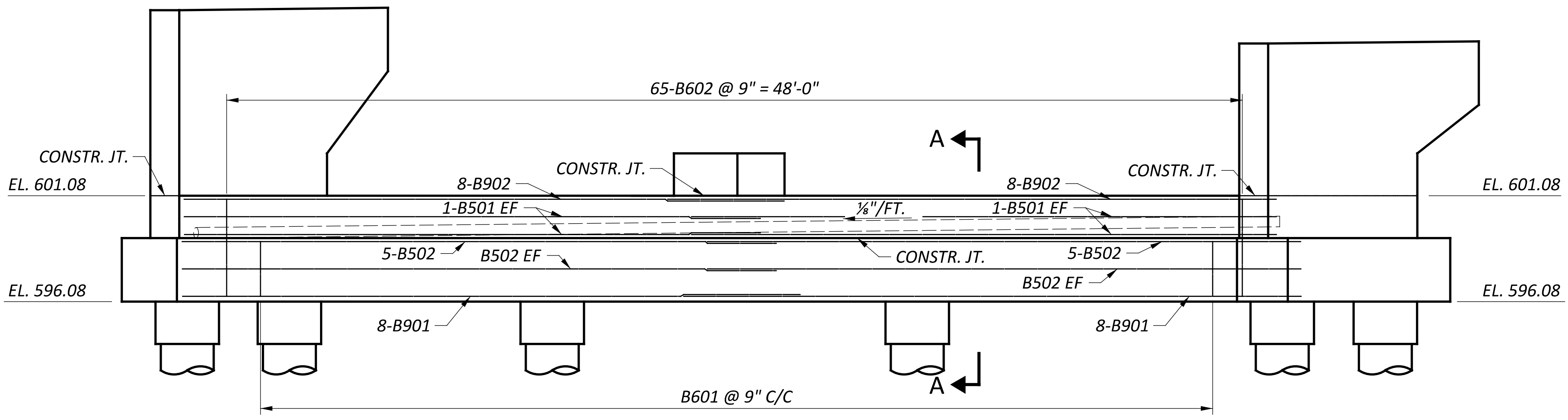
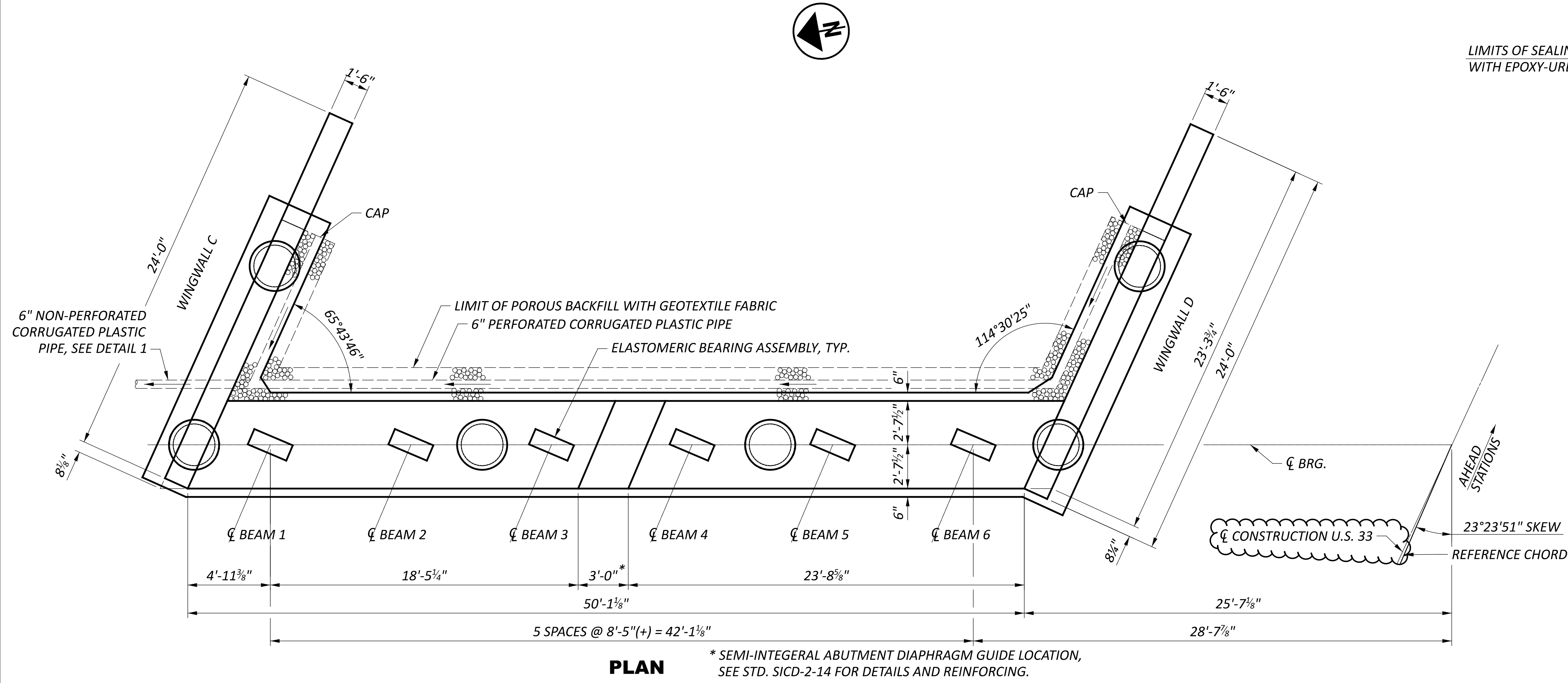
FOOTING PLAN

LAP LENGTHS:
 #5 BARS = 3'-3"
 #8 BARS = 5'-6"

NOTES:
 1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET 4 24 .

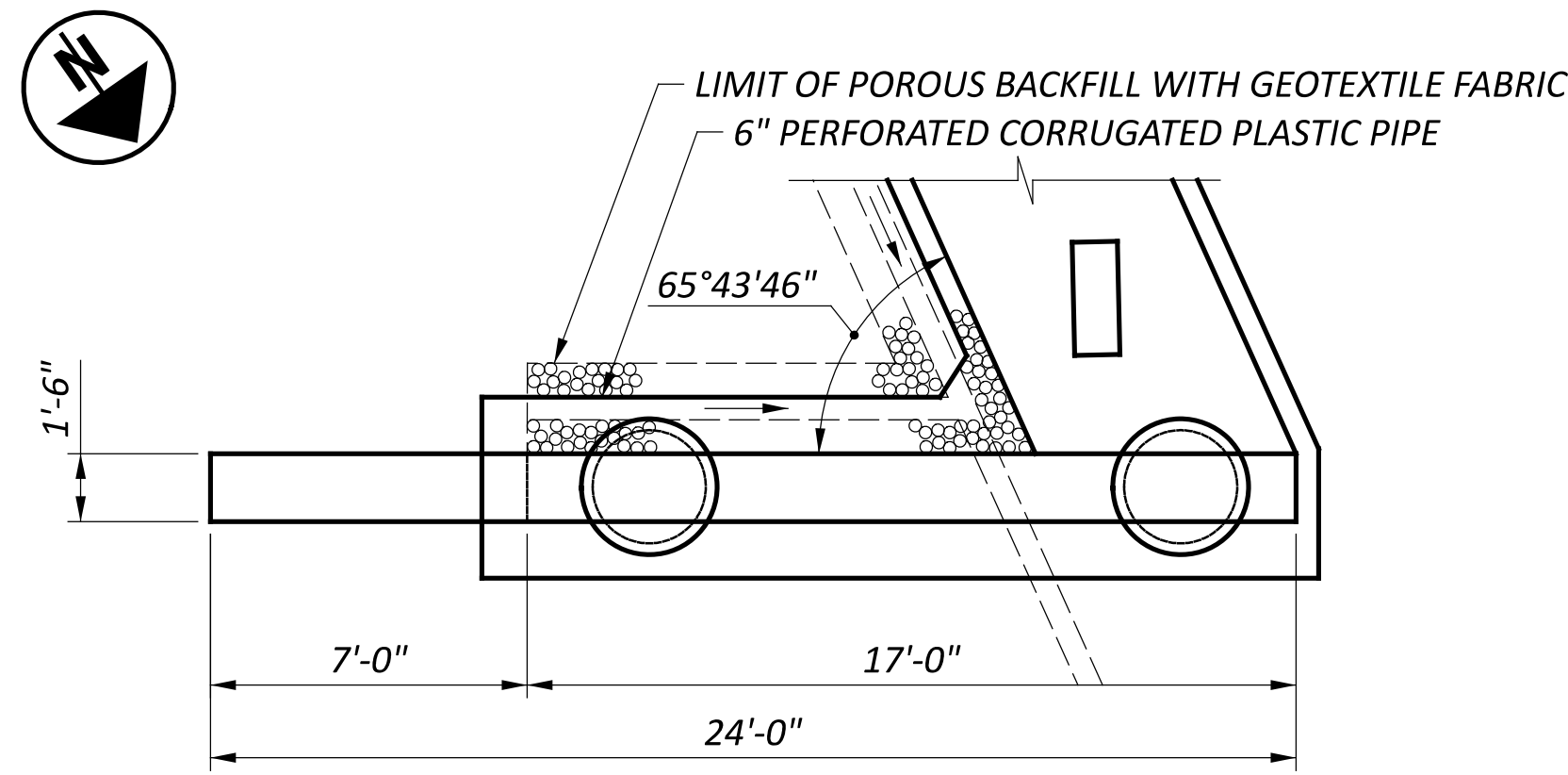
REAR ABUTMENT (4)
 BRIDGE NO. MEG-00033-24.307
 U.S. 33 OVER TRIBUTARY OF OLD TOWN CREEK AND T.R. 135 (SELLERS RIDGE RD.)

SFN		5300004
DESIGN AGENCY		
DESIGNER		TRK
CHECKER		BSM
REVIEWER		MRS 09-26-24
PROJECT ID		119144
SUBSET	TOTAL	
8	24	
SHEET	TOTAL	
P.850	940	

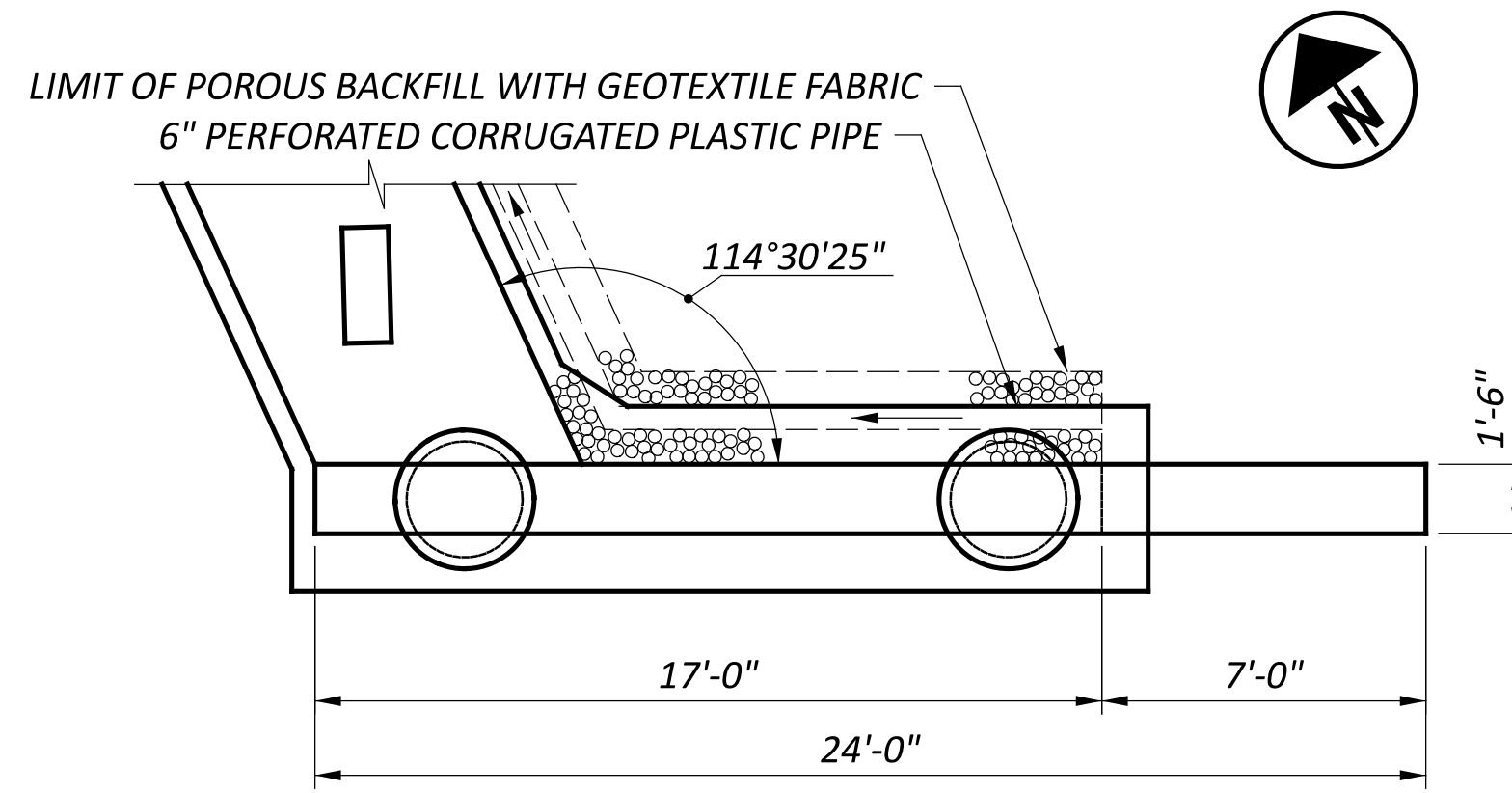


- NOTES:**
1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET [4] [24] .
 2. FOR FOOTING PLAN, SEE SHEET [11] [24] .
 3. POROUS BACKFILL WITH GEOTEXTILE FABRIC, 2'-0" THICK, SHALL EXTEND UP TO THE PLANE OF SUBGRADE, 2'-0" BELOW THE EMBANKMENT SURFACE, AND LATERALLY AS SHOWN.
 4. FOR WINGWALL DETAILS, SEE SHEET [10] [24] .

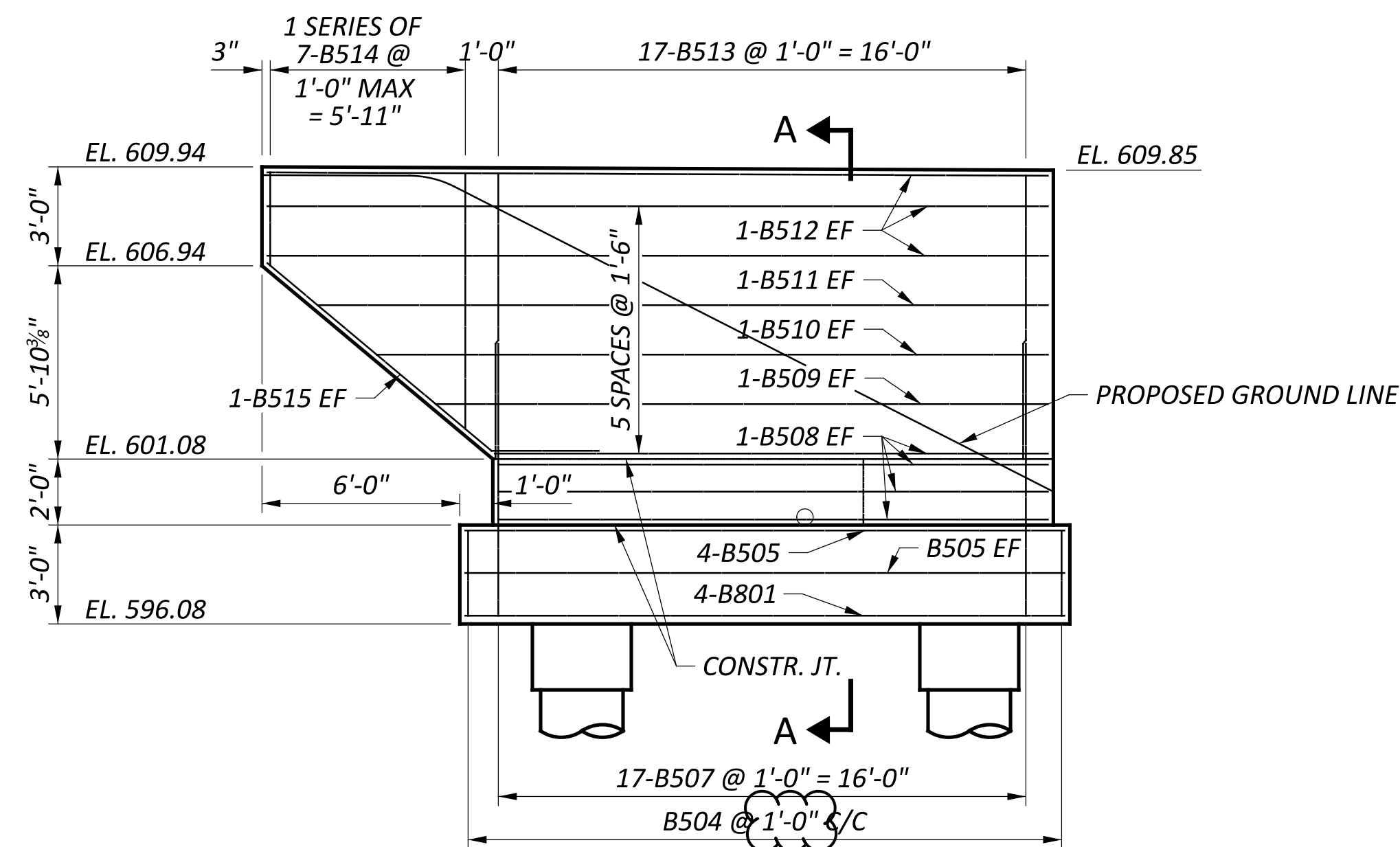
SFN	5300004
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	BSM
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	9 / 24
SHEET	P.851 / 940



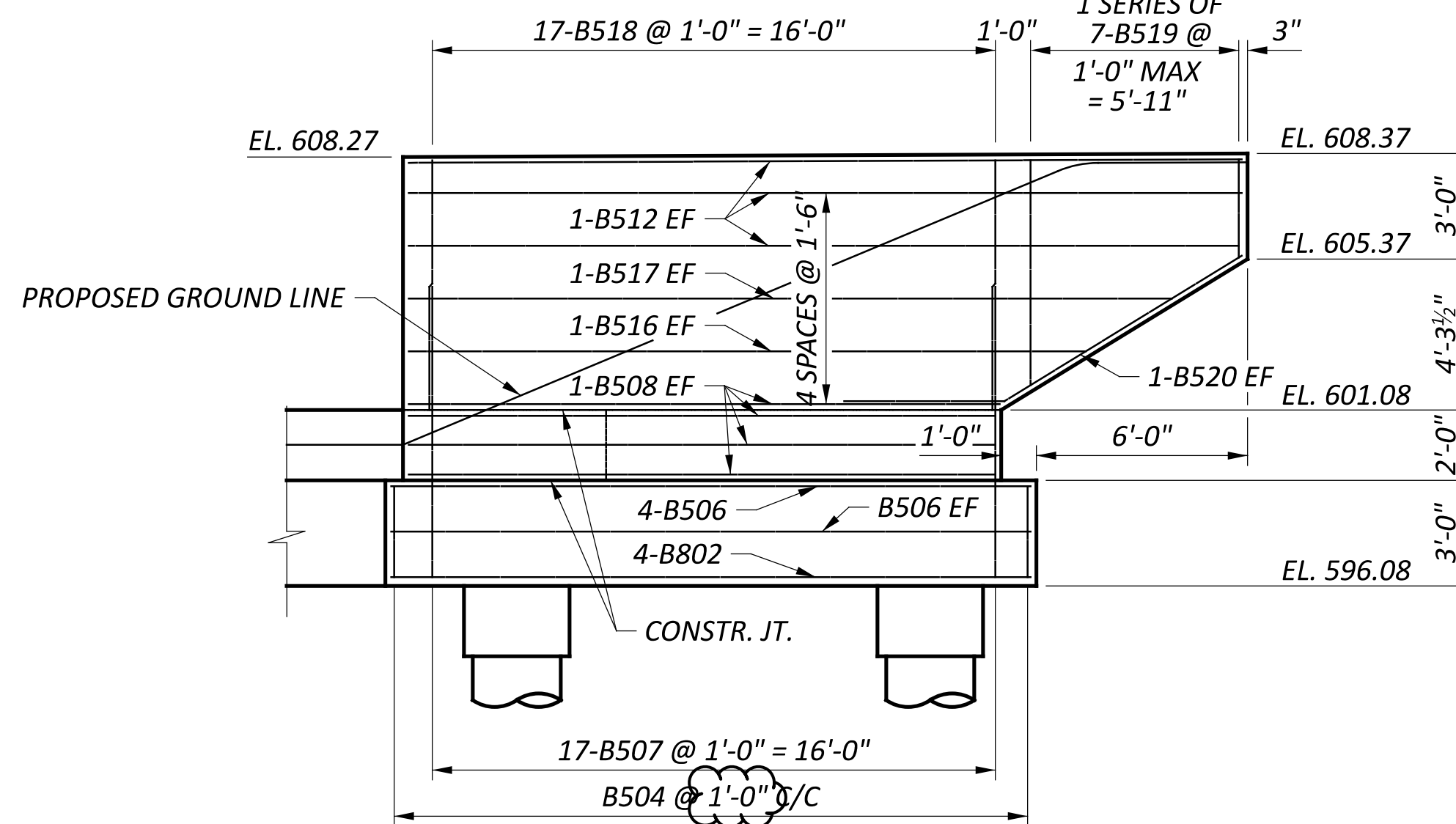
WINGWALL C PLAN



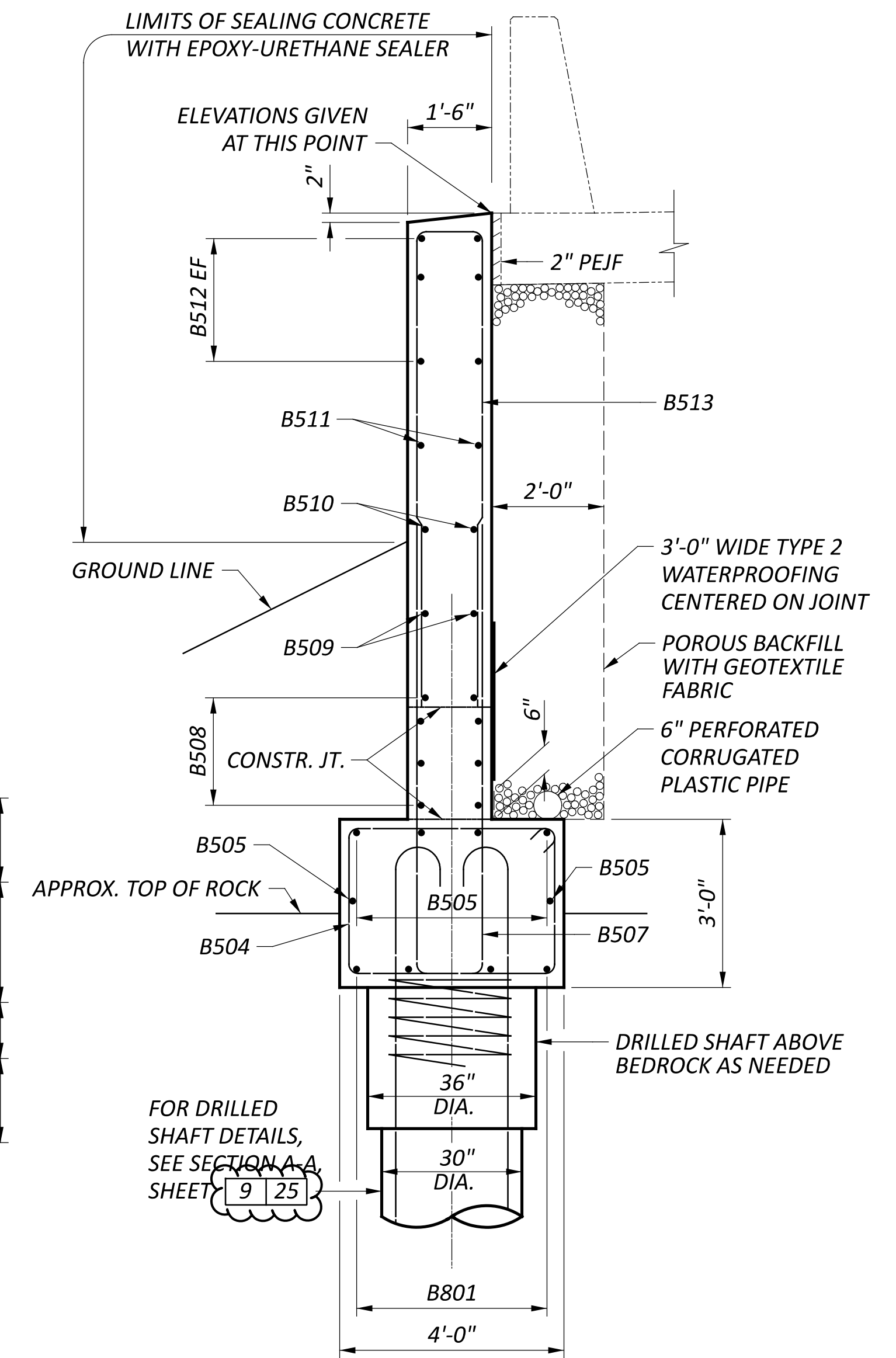
WINGWALL D PLAN



WINGWALL C ELEVATION



WINGWALL D ELEVATION



SECTION A-A

(WINGWALL C SHOWN, WINGWALL D SIMILAR)

LAP LENGTHS:
#5 BARS = 3'-3"

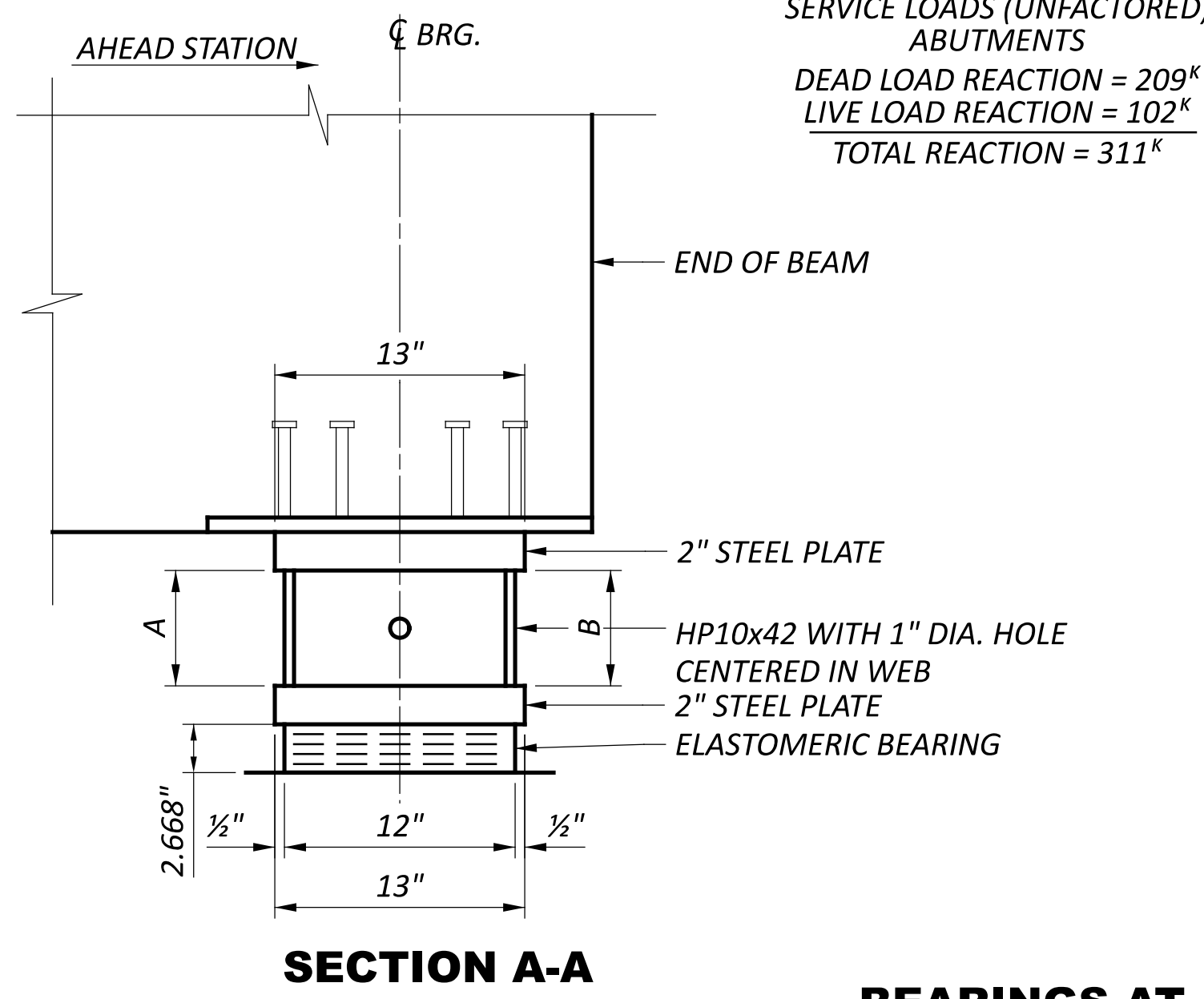
- NOTES:
1. FOR LAYOUT OF DRILLED SHAFTS, SEE SHEET **4 | 24** .
 2. FOR FOOTING PLAN, SEE SHEET **11 | 24** .
 3. POROUS BACKFILL WITH GEOTEXTILE FABRIC, 2'-0" THICK, SHALL EXTEND UP TO THE PLANE OF SUBGRADE, 2'-0" BELOW THE EMBANKMENT SURFACE, AND LATERALLY AS SHOWN.

SFN 5300004
 DESIGN AGENCY

 1500 LAKE SHORE DRIVE, SUITE 100
 COLUMBUS, OH 43204
 (614) 486-4383
 DESIGNER: TRK CHECKER: BSM
 REVIEWER: MRS 09-26-24
 PROJECT ID: 119144
 SUBSET: 10 TOTAL: 24
 SHEET: P.852 TOTAL: 940

REAR ABUTMENT		
LOCATION	A	B
BEAM 1	24 ⁷ / ₁₆ "	24 ⁷ / ₁₆ "
BEAM 2	28 ⁷ / ₁₆ "	28 ⁷ / ₁₆ "
BEAM 3	23 ³ / ₁₆ "	23 ³ / ₁₆ "
BEAM 4	17 ⁹ / ₁₆ "	17 ⁹ / ₁₆ "
BEAM 5	11 ³ / ₄ "	11 ³ / ₄ "
BEAM 6	6"	6"

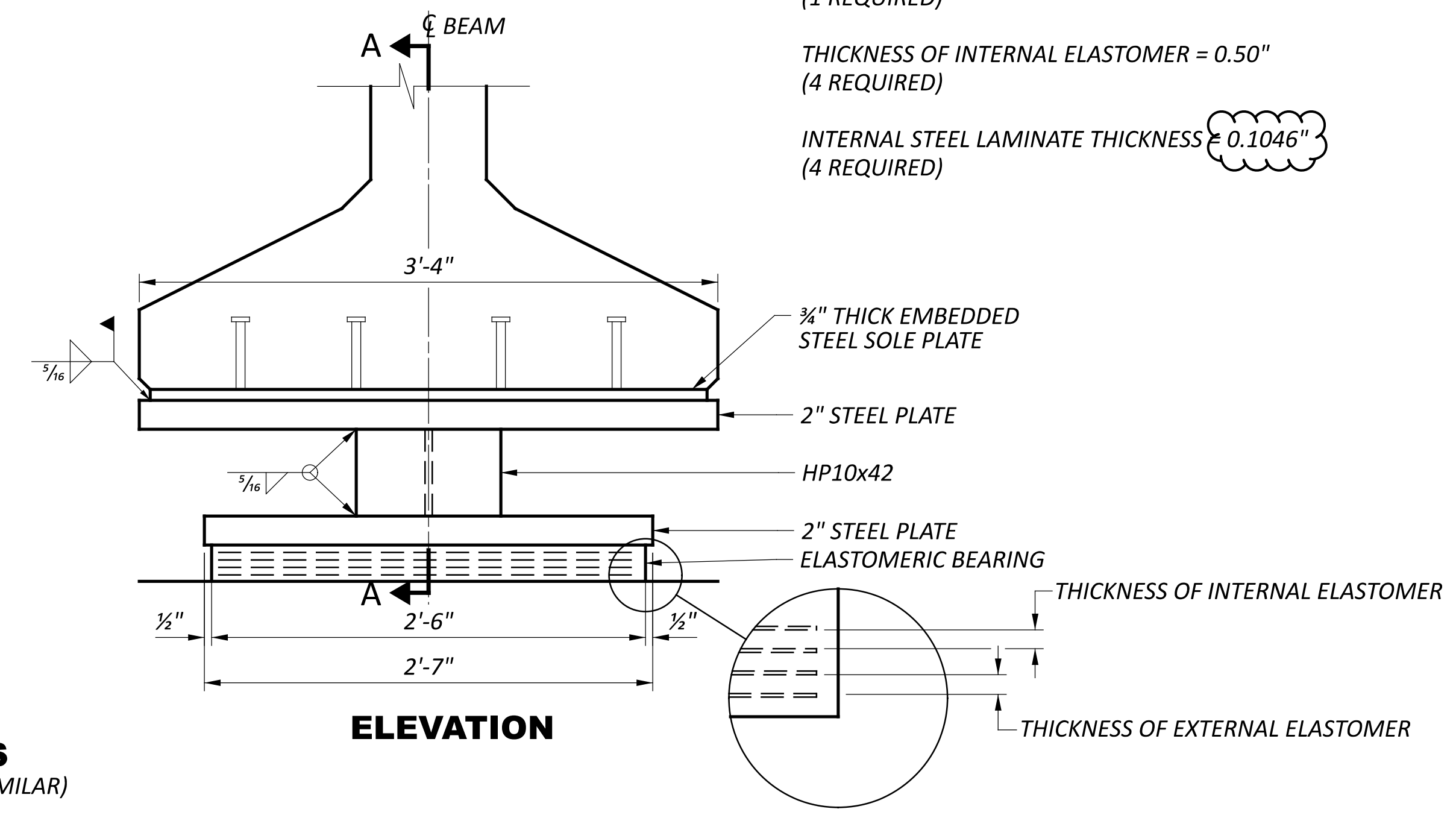
FORWARD ABUTMENT		
LOCATION	A	B
BEAM 1	24 ⁷ / ₁₆ "	24 ⁷ / ₁₆ "
BEAM 2	28 ⁷ / ₄ "	28 ⁷ / ₄ "
BEAM 3	22 ⁷ / ₈ "	22 ⁷ / ₈ "
BEAM 4	17 ³ / ₄ "	17 ³ / ₄ "
BEAM 5	11 ⁵ / ₈ "	11 ⁵ / ₈ "
BEAM 6	6"	6"



SECTION A-A

SERVICE LOADS (UNFACTORED) ABUTMENTS
 DEAD LOAD REACTION = 209^K
 LIVE LOAD REACTION = 102^K
 TOTAL REACTION = 311^K

BEARINGS AT ABUTMENTS
 (FORWARD ABUTMENT SHOWN, REAR ABUTMENT SIMILAR)
 (12 REQUIRED)



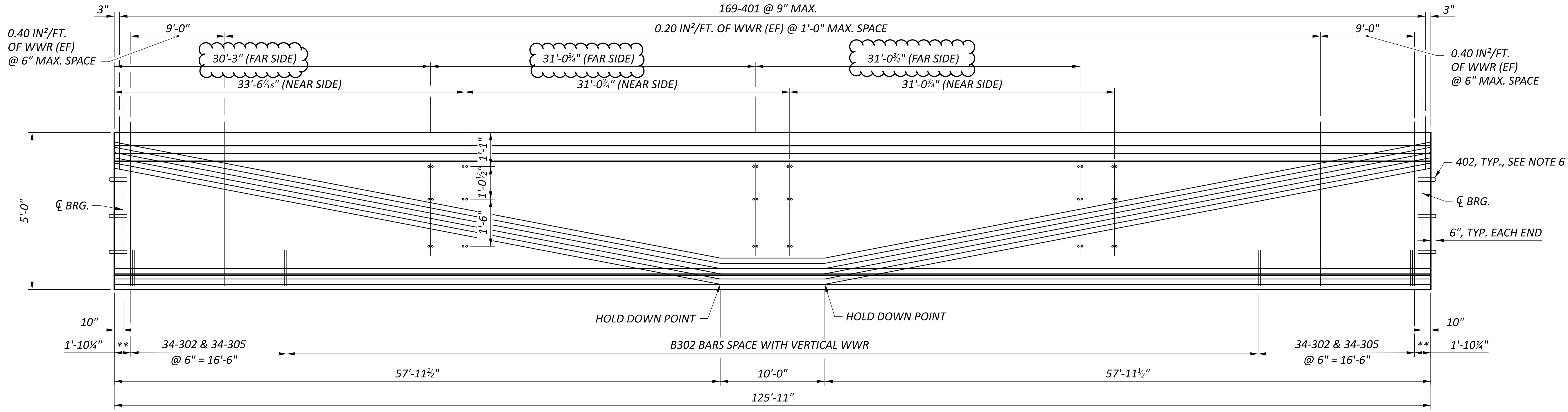
ELEVATION

THICKNESS OF EXTERNAL ELASTOMER = 0.25"
 (1 REQUIRED)
 THICKNESS OF INTERNAL ELASTOMER = 0.50"
 (4 REQUIRED)
 INTERNAL STEEL LAMINATE THICKNESS = 0.1046"
 (4 REQUIRED)

BEARING NOTES:

- ELASTOMERIC BEARINGS: THE ELASTOMER SHALL HAVE A HARDNESS OF 50 DUROMETER. THE BEARINGS WERE DESIGNED IN ACCORDANCE WITH SECTION 14.7.6 (METHOD A) OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE LONG TERM COMPRESSION PROOF LOAD TEST (AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DIVISION II, SECTION 18.7.2.6) IS NOT REQUIRED.
- STEEL LOAD PLATES: LOAD PLATES SHALL BE BONDED BY VULCANIZATION TO THE ELASTOMER DURING THE MOLDING PROCESS.
- FOR DETAILS OF THE STUDS AND EMBEDDED PLATE, AND FOR ADDITIONAL INFORMATION INFORMATION, SEE STD. DWG. PSID-1-13.
- ALL BEARINGS SHALL BE MARKED PRIOR TO SHIPPING. THE MARKS SHALL INCLUDE THE BEARING LOCATION ON THE BRIDGE, AND A DIRECTION ARROW THAT POINTS UP-STATION. ALL MARKS SHALL BE PERMANENT AND BE VISIBLE AFTER THE BEARING IS INSTALLED.
- STEEL FOR LOAD PLATES AND INTERNAL LAMINATES SHALL BE GRADE 50.
- PER CMS 516.03, GALVANIZE STEEL COMPONENTS OF BEARING ASSEMBLIES (UPPER AND LOWER LOAD PLATES AND HP SHAPES).
- UPPER AND LOWER LOAD PLATES AND HP SHAPES SHALL BE CONSIDERED COMPONENTS OF THE ELASTOMERIC BEARING ASSEMBLY FOR PAYMENT. THE 3/4" THICK EMBEDDED STEEL PLATE IS INCIDENTAL TO THE COST OF I-BEAMS.

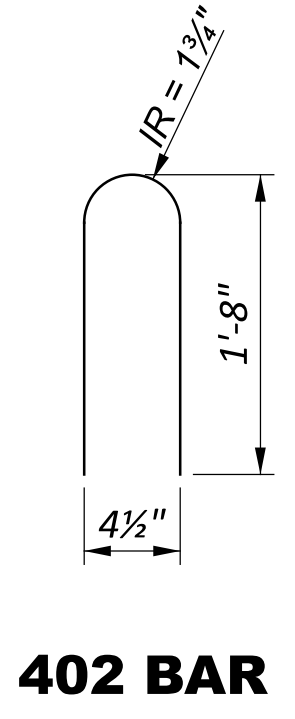
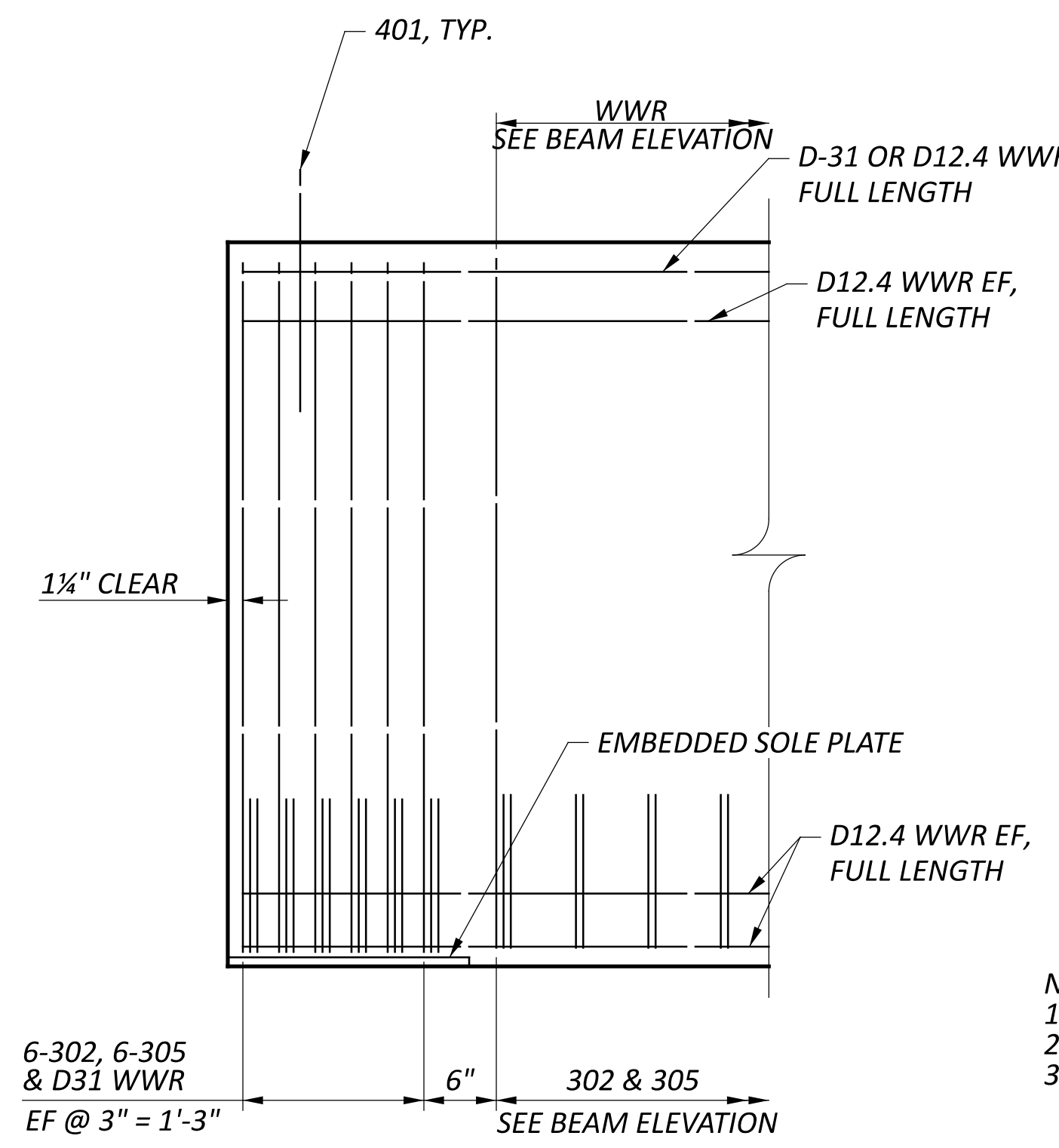
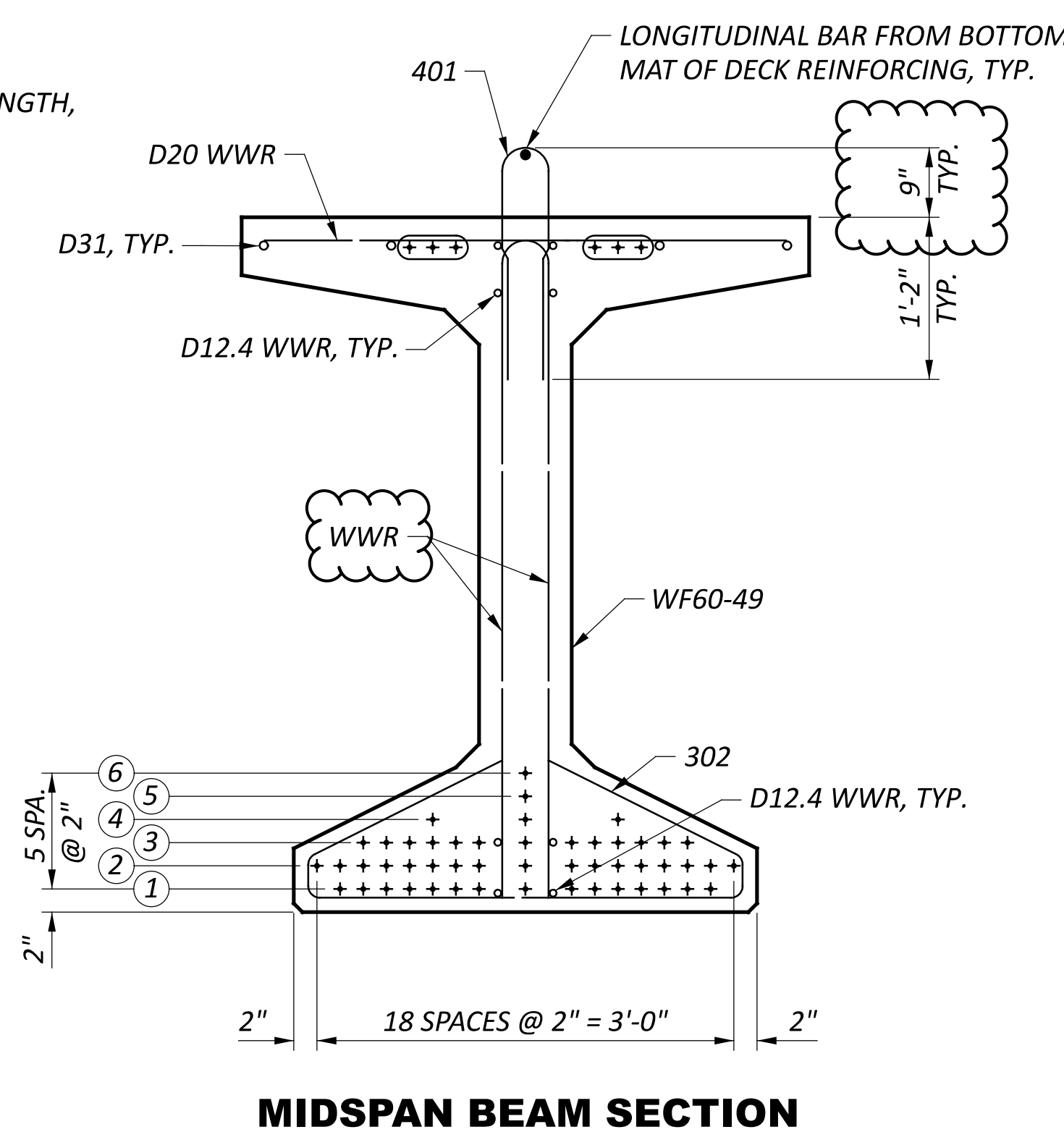
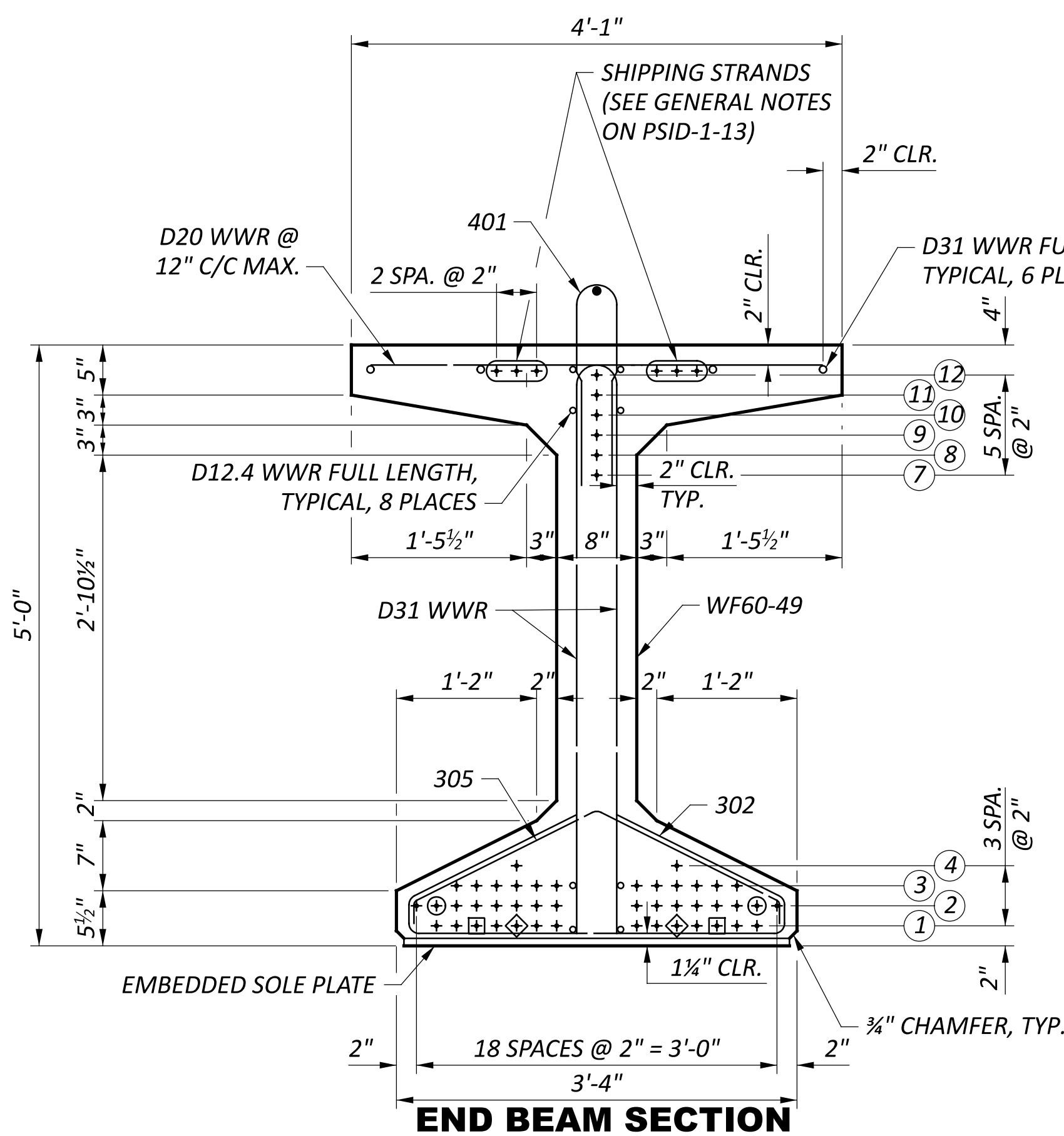
SFN	5300004
DESIGN AGENCY	
DESIGNER	CHECKER
TRK	EDA
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	TOTAL
13	24
SHEET	TOTAL
P.855	940



** ANCHORAGE ZONE REINFORCING, SEE DETAIL

BEAM ELEVATION
 VERTICAL SCALE EXAGGERATED
 BEAMS B1- B6
 (INSERTS ON INTERIOR SIDE ONLY AT EXTERIOR BEAMS)

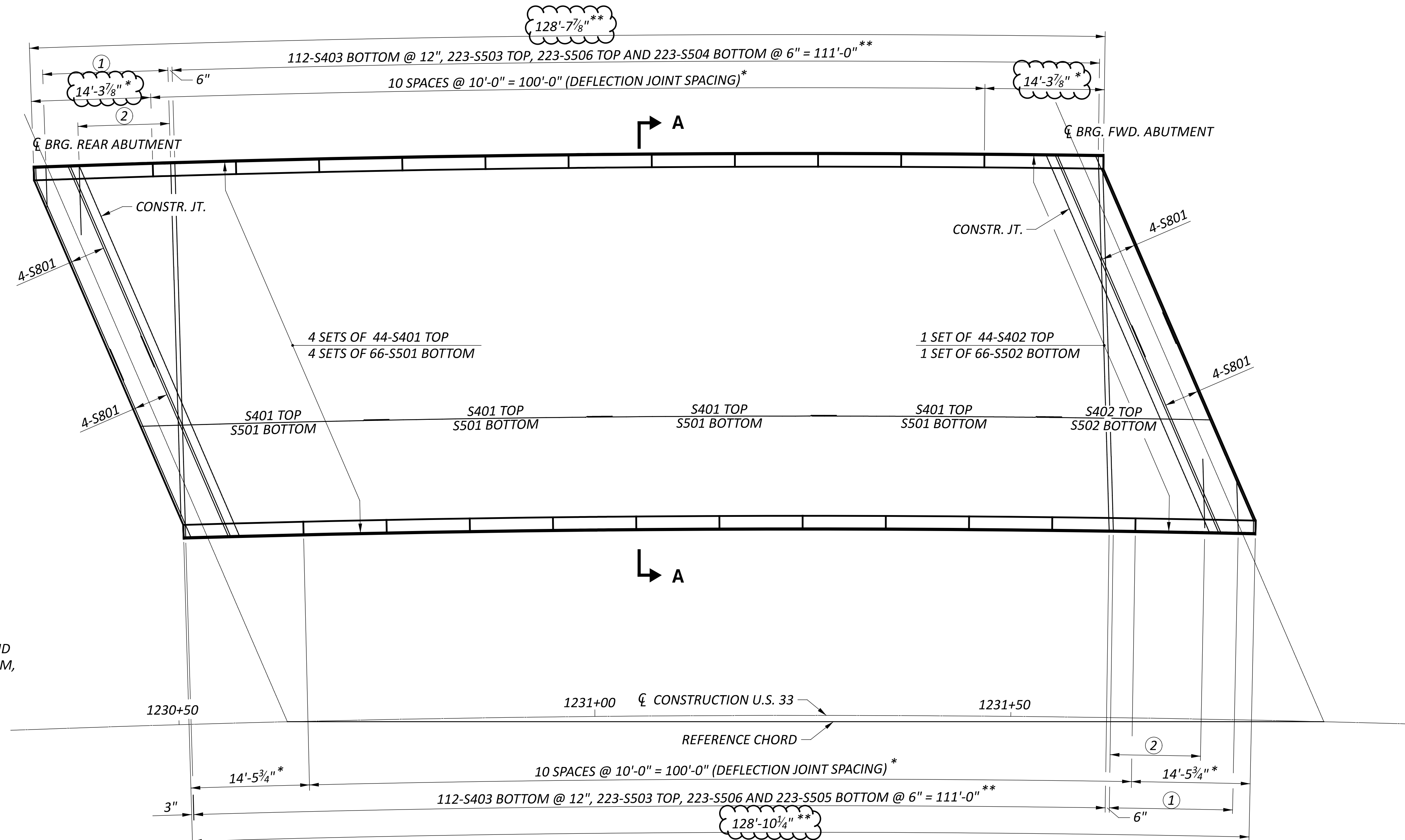
SECTION	NUMBER OF STRANDS PER ROW												CONCRETE STRENGTH (KSI)		
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	TOTAL	f _{ci}	f _c
END	14	16	12	2	--	--	1	1	1	1	1	1	50	6	7
MID	15	17	13	3	1	1	--	--	--	--	--	--	50		



- NOTES:**
1. WWR DENOTES WELDED WIRE REINFORCEMENT.
 2. SEE STD. DWG. PSID-1-13 FOR ADDITIONAL DETAILS.
 3. STRANDS ARE TO BE LOW RELAXATION, 0.6 INCH DIAMETER (A = 0.217 SQ. IN.) SEVEN WIRE UNCOATED, ASTM A416, GRADE 270.
 4. REINFORCEMENT PROJECTING FROM BEAM TO BE EPOXY COATED.
 5. SHOP MARK EACH BEAM WITH BEAM NUMBER AND UP-STATION DIRECTION.
 6. 402 BARS TO BE PLACED ON CENTERLINE OF BEAM. BAR LOCATIONS MAY BE ADJUSTED TO AVOID STRANDS.

SFN 5300004
 DESIGN AGENCY

 1500 LAKE SHORE DRIVE, SUITE 100
 COLUMBUS, OH 43204
 (614) 486-4383
 DESIGNER: MRS
 CHECKER: EDA
 REVIEWER: BSM
 PROJECT ID: 119144
 SUBSET: 14
 SHEET: P.856
 TOTAL: 24
 TOTAL: 940



- ① 1 SERIES OF 31-S507 @ 6" = 15'-0" TOP AND 1 SERIES OF 31-S508 @ 6" = 15'-0" BOTTOM, 16-S403 BOTTOM @ 12" = 15'-0"
- ② 23-S506 TOP @ 6" = 11'-0"

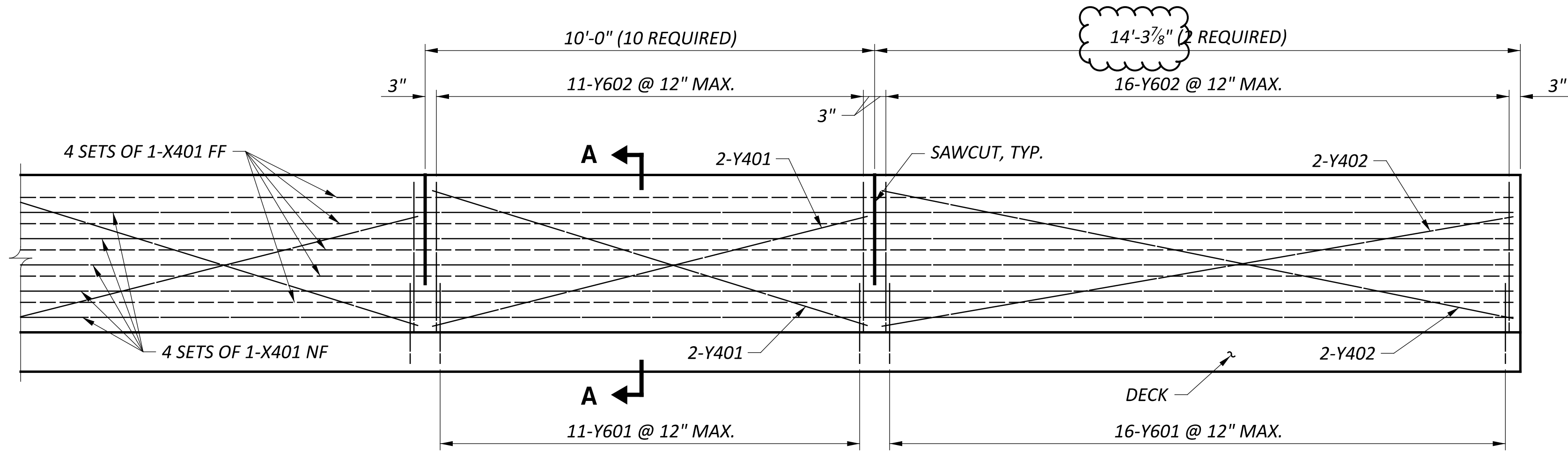
SLAB PLAN
 LAP LENGTHS:
 #4 BARS = 2'-0"
 #5 BARS = 3'-0"
 #8 BARS = 5'-6"
 #4 GFRP BARS = 1'-1"

NOTES:
 1. FOR SECTION A-A, SEE SHEET 16 24 .
 2. FOR RAILING DETAILS, SEE SHEET 17 24 .

LEGEND:
 * MEASURED ALONG OUTSIDE FACE OF RAILING
 ** MEASURED ALONG SLAB FASCIA

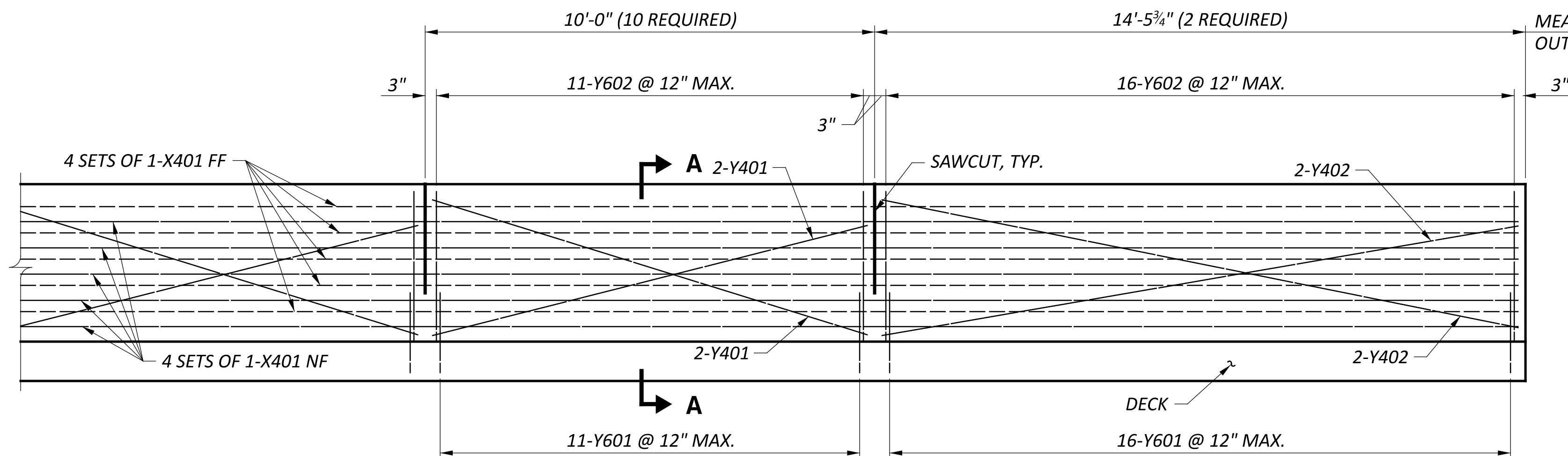
RAILING AND DECK PLAN
 BRIDGE NO. MEG-00033-24.307
 U.S. 33 OVER TRIBUTARY OF OLD TOWN CREEK AND T.R. 135 (SELLERS RIDGE RD.)

SFN	
5300004	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100 COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
MRS	EDA
REVIEWER	
BSM 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
15	24
SHEET	TOTAL
P.857	940



LEFT RAILING ELEVATION

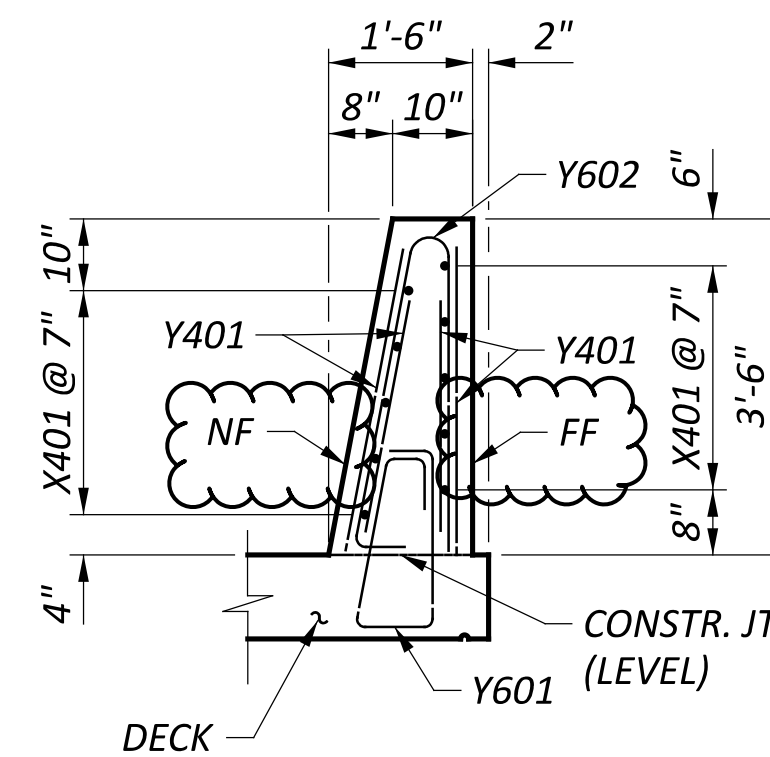
LAP LENGTHS:
 #4 GFRP BARS = 1'-1"



RIGHT RAILING ELEVATION

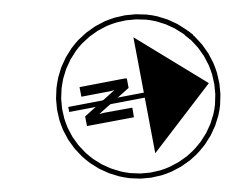
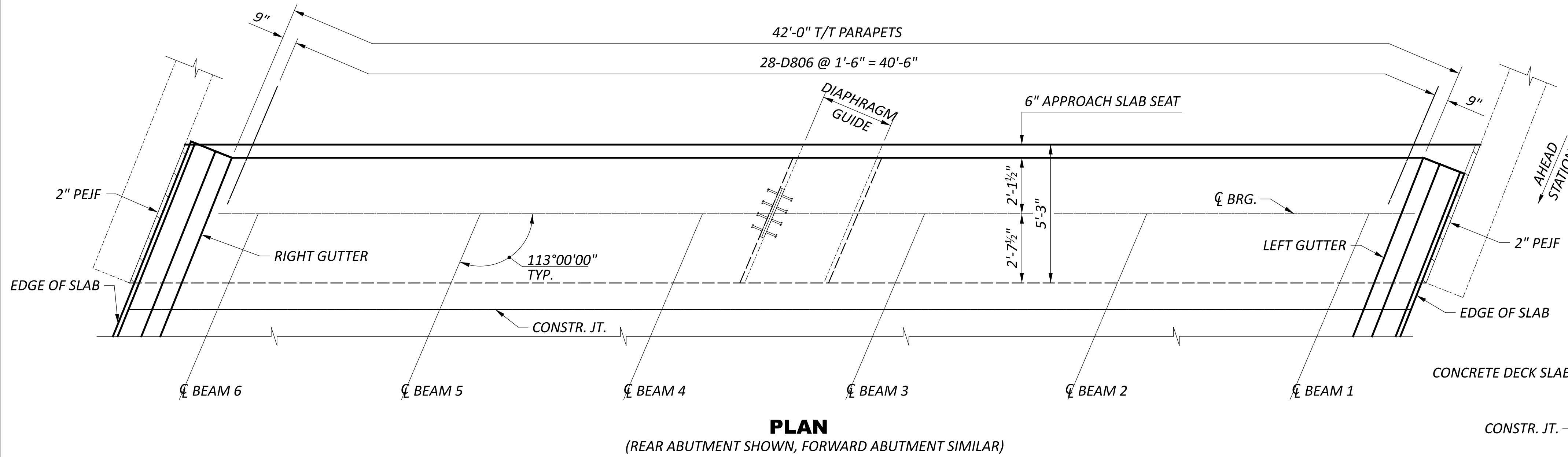
LAP LENGTHS:
 #4 GFRP BARS = 1'-1"

MEASURED ALONG
 OUTSIDE FACE OF RAILING

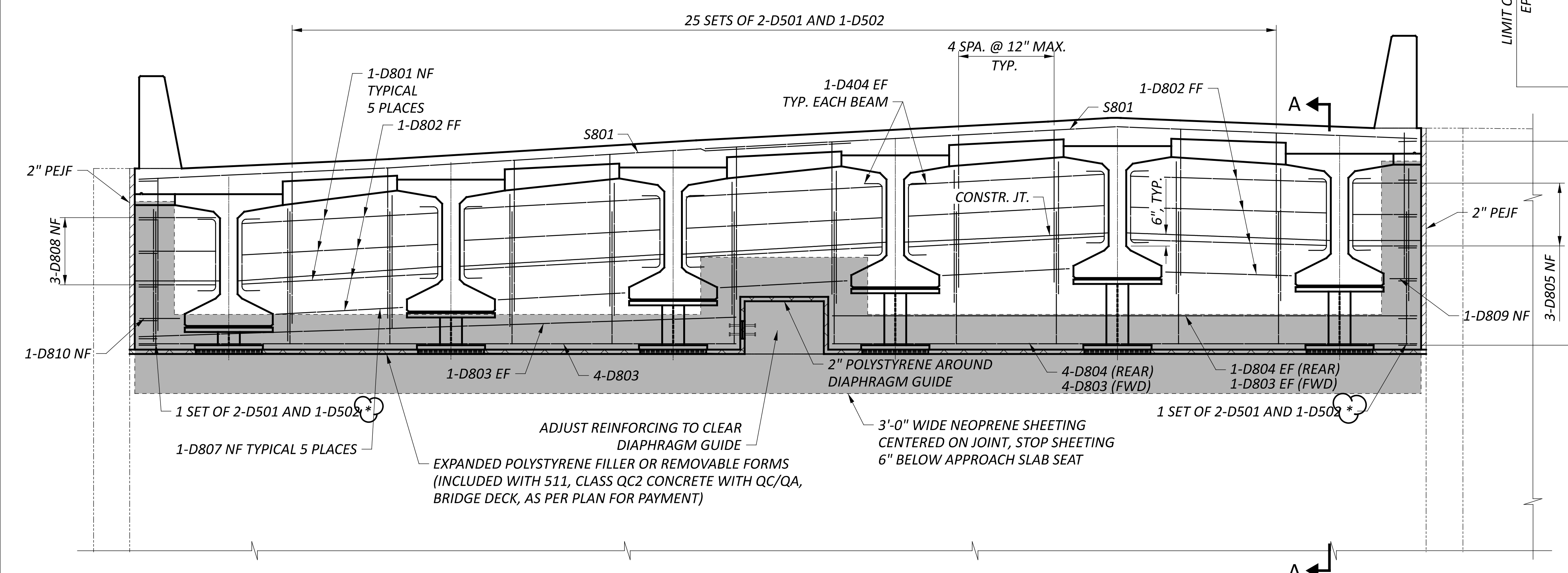
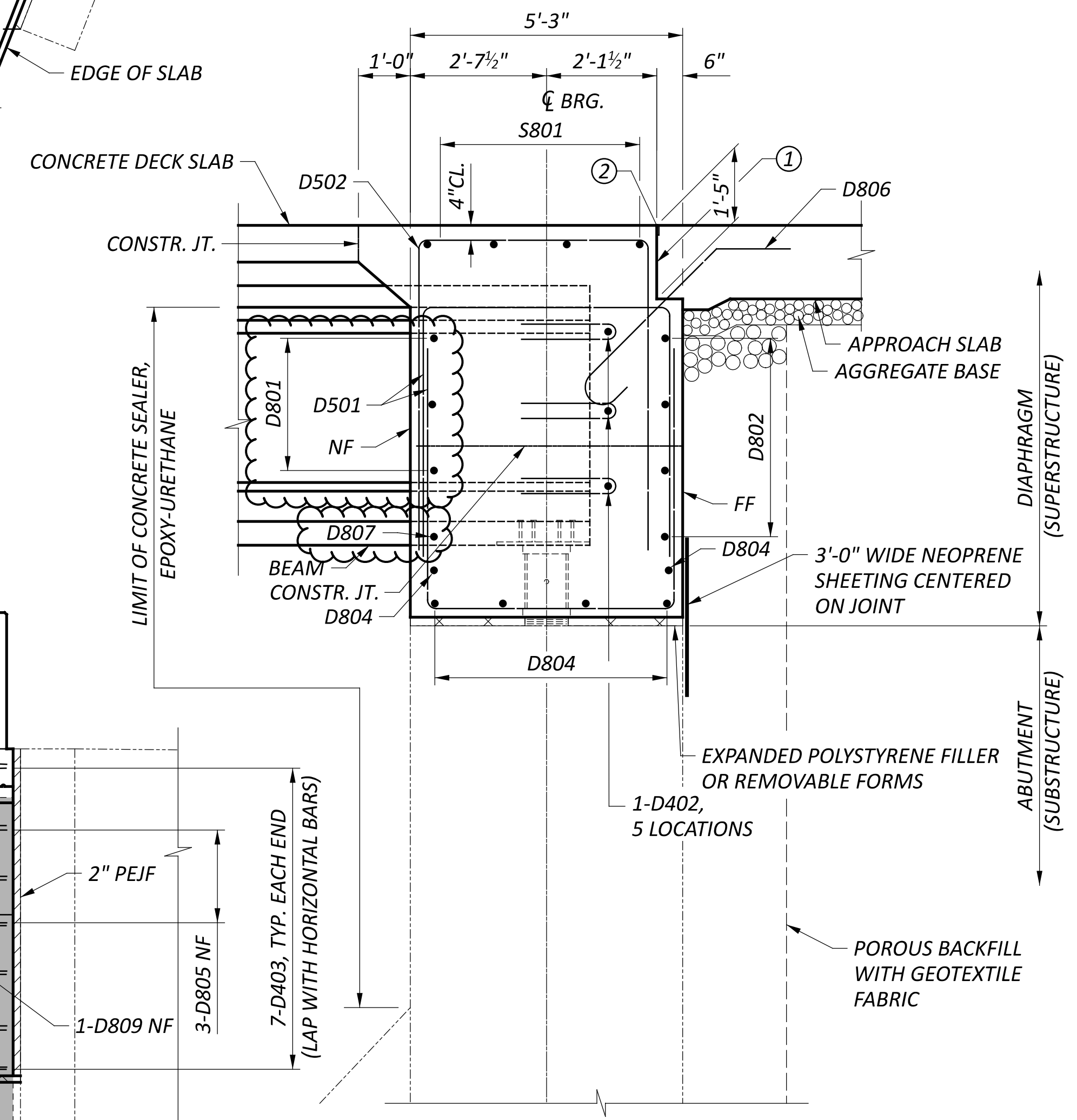


SECTION A-A





- ① TYPE A WATERPROOFING (INCLUDE WITH APPROACH SLAB FOR PAYMENT)
- ② PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL. FOR ADDITIONAL DETAILS, SEE STD. DWG. AS-1-15, DETAIL B (INCLUDE WITH APPROACH SLAB FOR PAYMENT)



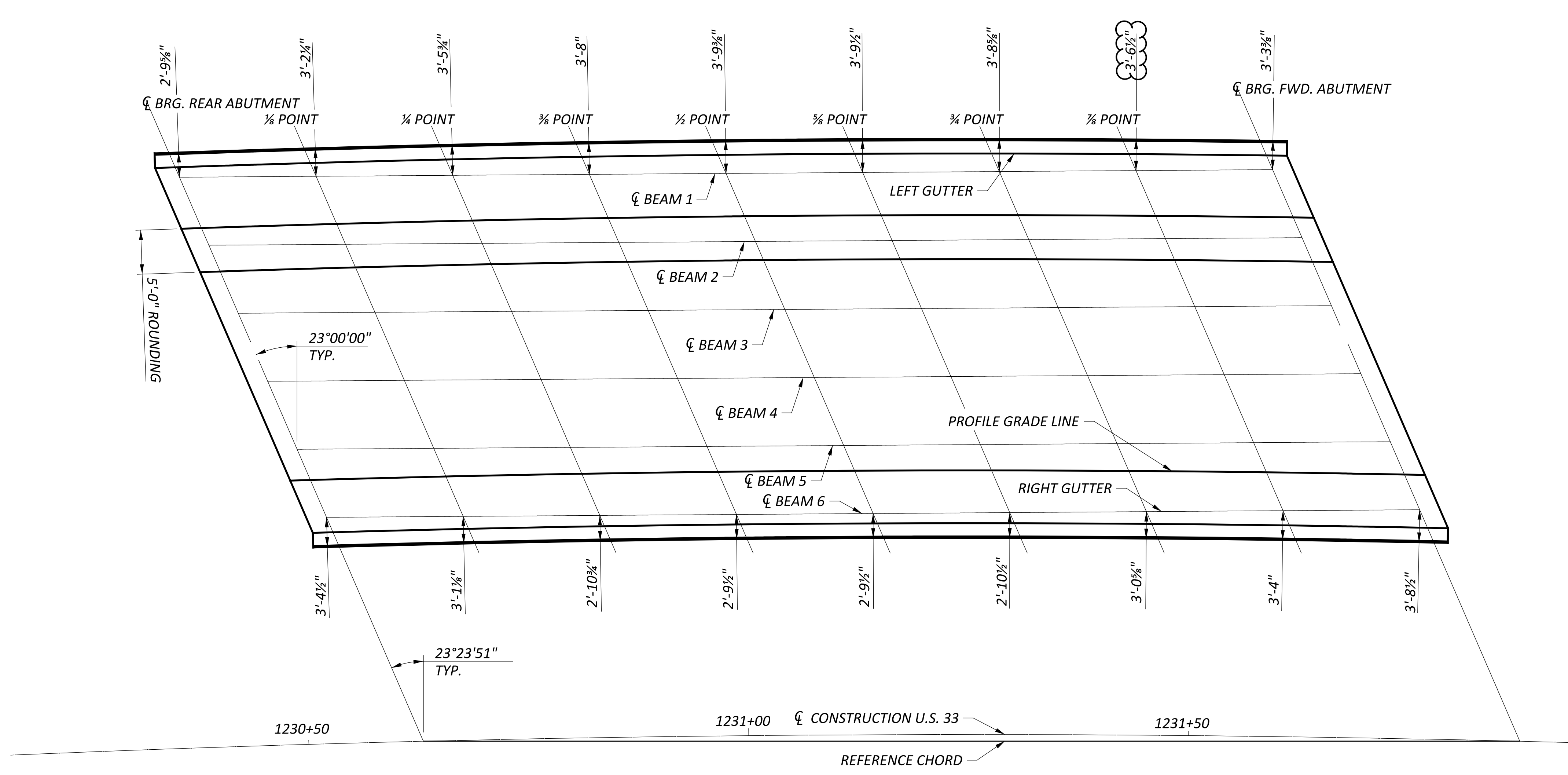
LAP LENGTHS:
 #8 BARS = 5'-6"

* PLACE REINFORCING PARALLEL TO BEAMS

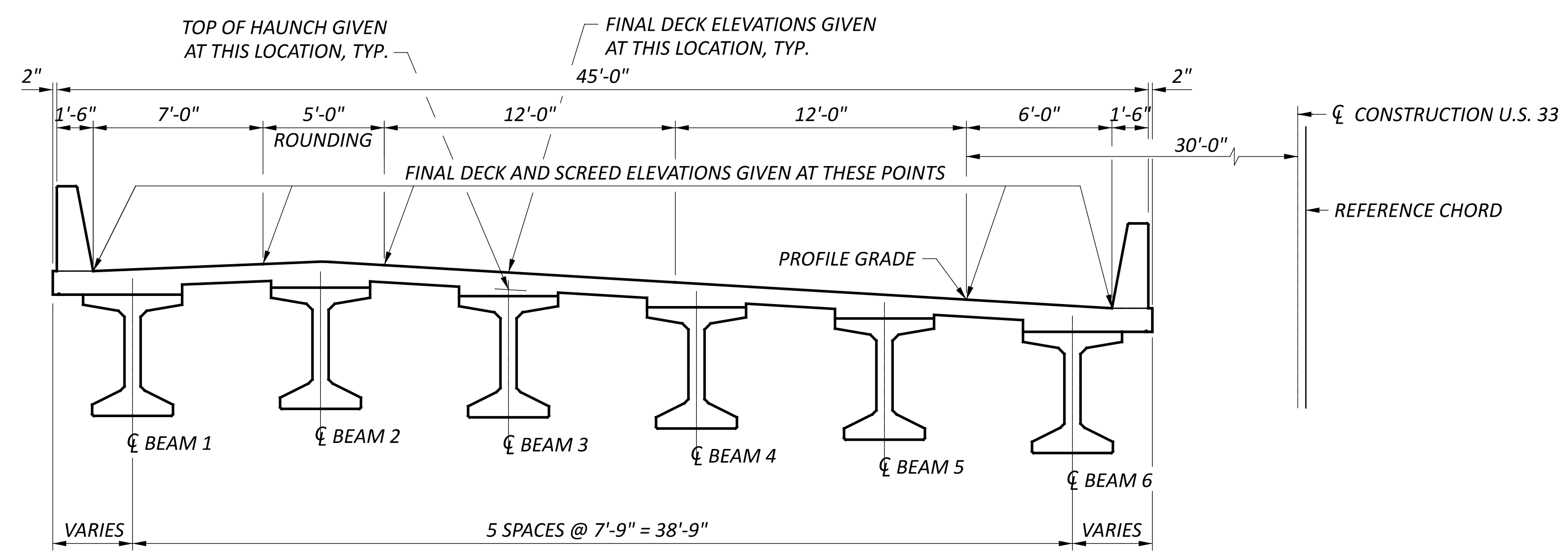
- NOTES:**
1. ABUTMENT DIAPHRAGM CONCRETE: PLACE THE DIAPHRAGM CONCRETE ENCASING THE STRUCTURAL MEMBER ENDS AFTER THE DECK PLACEMENT IN THE ADJACENT SPAN IS COMPLETE. PROCEDURES THAT PLACE THE ABUTMENT DIAPHRAGM WITH THE DECK CONCRETE MAY BE APPROVED BY THE ENGINEER IF THE PLACEMENT SUBMITTAL CAN ASSURE THAT THE DECK CONCRETE IN THE ADJACENT SPAN WILL BE PLACED BEFORE CONCRETE IN THE DIAPHRAGM HAS REACHED ITS INITIAL SET.
 2. FOR ADDITIONAL DIAPHRAGM DETAILS, SEE STD. DWG. PSID-1-13.

DIAPHRAGMS AT ABUTMENTS
 BRIDGE NO. MEG-00033-24.307
 U.S. 33 OVER TRIBUTARY OF OLD TOWN CREEK AND T.R. 135 (SELLERS RIDGE RD.)

SFN	5300004
DESIGN AGENCY	
DESIGNER	TRK
CHECKER	EDA
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	18
TOTAL	24
SHEET	P.860
TOTAL	940

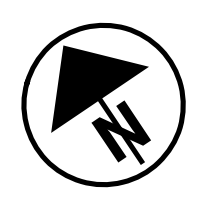


PLAN



TYPICAL SECTION

- NOTES:**
1. FOR SCREED, TOP OF HAUNCH AND FINAL DECK ELEVATIONS, SEE SHEET 20 | 24 .
 2. SCREED ELEVATIONS SHOWN REPRESENT THE THEORETICAL DECK SURFACE LOCATION PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS
 3. TOP OF HAUNCH ELEVATIONS SHOWN REPRESENT THE THEORETICAL LOCATION OF THE BOTTOM OF THE DECK ABOVE THE BEAM/GIRDER HAUNCH PRIOR TO DEFLECTIONS CAUSED BY DECK PLACEMENT AND OTHER ANTICIPATED DEAD LOADS.
 4. FINAL DECK SURFACE ELEVATIONS SHOWN REPRESENT THE DECK SURFACE LOCATION AFTER ALL ANTICIPATED DEAD LOAD DEFLECTIONS HAVE OCCURRED.



SCREEN DIAGRAM
 BRIDGE NO. MEG-00033-24.307
 U.S. 33 OVER TRIBUTARY OF OLD TOWN CREEK AND T.R. 135 (SELLERS RIDGE RD.)

SFN 5300004	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100, COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
MRS	EDA
REVIEWER	
BSM 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
19	24
SHEET	TOTAL
P.861	940

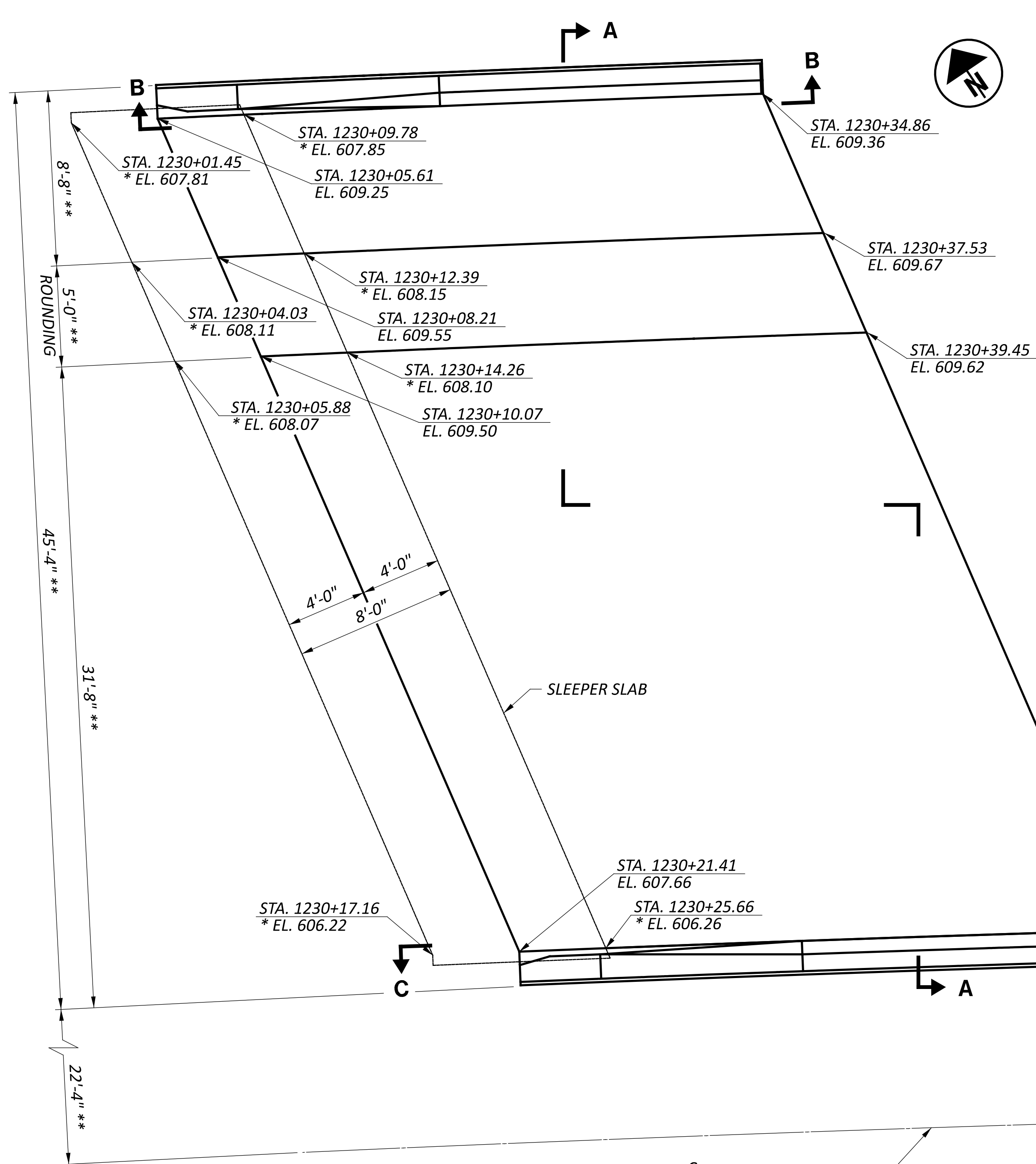
DECK CONSTRUCTION ELEVATIONS										
LOCATION		SPAN 1								
		CL BEARING	1/8 POINT	1/4 POINT	3/8 POINT	1/2 POINT	5/8 POINT	3/4 POINT	7/8 POINT	CL BEARING
LEFT GUTTER	STATION	1230+37.08	1230+52.07	1230+67.09	1230+82.15	1230+97.24	1231+12.37	1231+27.54	1231+42.75	1231+58.00
	OFFSET	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00	66.00
	FINAL DECK EL.	609.37	609.43	609.49	609.55	609.61	609.67	609.73	609.79	609.86
	SCREED EL.	609.37	609.51	609.63	609.74	609.82	609.86	609.88	609.87	609.86
BEAM 1	STATION	1230+37.52	1230+52.66	1230+67.81	1230+82.95	1230+98.10	1231+13.26	1231+28.41	1231+43.55	1231+58.70
	OFFSET	64.86	64.48	64.19	63.99	63.88	63.87	63.95	64.13	64.39
	FINAL DECK EL.	609.42	609.50	609.57	609.64	609.70	609.77	609.82	609.88	609.93
	HAUNCH EL.	608.71	608.86	609.00	609.12	609.20	609.24	609.26	609.24	609.22
LEFT OF ROUNDING	STATION	1230+39.76	1230+54.80	1230+69.86	1230+84.97	1231+00.11	1231+15.29	1231+30.51	1231+45.77	1231+61.07
	OFFSET	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00	59.00
	FINAL DECK EL.	609.67	609.73	609.79	609.86	609.92	609.98	610.04	610.10	610.16
	SCREED EL.	609.67	609.81	609.94	610.04	610.12	610.16	610.18	610.17	610.16
BEAM 2	STATION	1230+40.53	1230+55.72	1230+70.91	1230+86.10	1231+01.29	1231+16.49	1231+31.69	1231+46.88	1231+62.07
	OFFSET	57.02	56.66	56.39	56.21	56.12	56.13	56.23	56.43	56.71
	FINAL DECK EL.	609.76	609.84	609.90	609.95	610.00	610.06	610.13	610.20	610.26
	HAUNCH EL.	609.05	609.20	609.33	609.42	609.50	609.54	609.56	609.57	609.55
RIGHT OF ROUNDING	STATION	1230+41.69	1230+56.76	1230+71.86	1230+87.00	1231+02.17	1231+17.39	1231+32.64	1231+47.93	1231+63.27
	OFFSET	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
	FINAL DECK EL.	609.63	609.69	609.75	609.81	609.87	609.93	609.99	610.05	610.12
	SCREED EL.	609.63	609.76	609.89	610.00	610.07	610.12	610.13	610.13	610.12
BEAM 3	STATION	1230+43.55	1230+58.78	1230+74.02	1230+89.26	1231+04.50	1231+19.75	1231+34.99	1231+50.22	1231+65.46
	OFFSET	49.19	48.83	48.59	48.43	48.37	48.40	48.52	48.73	49.03
	FINAL DECK EL.	609.33	609.37	609.42	609.47	609.53	609.59	609.66	609.73	609.81
	HAUNCH EL.	608.62	608.74	608.85	608.95	609.02	609.07	609.09	609.10	609.10
BEAM 4	STATION	1230+46.60	1230+61.88	1230+77.16	1230+92.45	1231+07.73	1231+23.02	1231+38.30	1231+53.59	1231+68.87
	OFFSET	41.36	41.03	40.80	40.66	40.62	40.66	40.80	41.04	41.36
	FINAL DECK EL.	608.85	608.89	608.94	608.99	609.05	609.11	609.18	609.26	609.34
	HAUNCH EL.	608.14	608.26	608.37	608.47	608.54	608.59	608.62	608.63	608.63
BEAM 5	STATION	1230+49.66	1230+64.99	1230+80.32	1230+95.65	1231+10.98	1231+26.31	1231+41.64	1231+56.97	1231+72.30
	OFFSET	33.54	33.23	33.02	32.90	32.87	32.94	33.10	33.35	33.70
	FINAL DECK EL.	608.37	608.41	608.46	608.52	608.57	608.64	608.71	608.79	608.87
	HAUNCH EL.	607.66	607.78	607.89	607.99	608.07	608.12	608.15	608.16	608.16
PROFILE GRADE	STATION	1230+51.05	1230+66.28	1230+81.54	1230+96.85	1231+12.19	1231+27.57	1231+42.99	1231+58.45	1231+73.96
	OFFSET	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
	FINAL DECK EL.	608.15	608.22	608.28	608.34	608.40	608.46	608.52	608.58	608.65
	SCREED EL.	608.15	608.29	608.42	608.52	608.60	608.65	608.66	608.66	608.65
BEAM 6	STATION	1230+52.74	1230+68.12	1230+83.49	1230+98.87	1231+14.25	1231+29.63	1231+45.00	1231+60.38	1231+75.75
	OFFSET	25.71	25.43	25.23	25.13	25.13	25.21	25.39	25.67	26.04
	FINAL DECK EL.	607.89	607.93	607.98	608.04	608.10	608.17	608.24	608.32	608.40
	HAUNCH EL.	607.18	607.30	607.42	607.52	607.60	607.64	607.67	607.69	607.69
RIGHT GUTTER	STATION	1230+53.42	1230+68.69	1230+84.00	1230+99.34	1231+14.72	1231+30.15	1231+45.61	1231+61.12	1231+76.67
	OFFSET	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
	FINAL DECK EL.	607.79	607.85	607.91	607.97	608.03	608.09	608.15	608.22	608.28
	SCREED EL.	607.79	607.92	608.05	608.16	608.23	608.28	608.30	608.29	608.28

DECK CONSTRUCTION ELEVATIONS

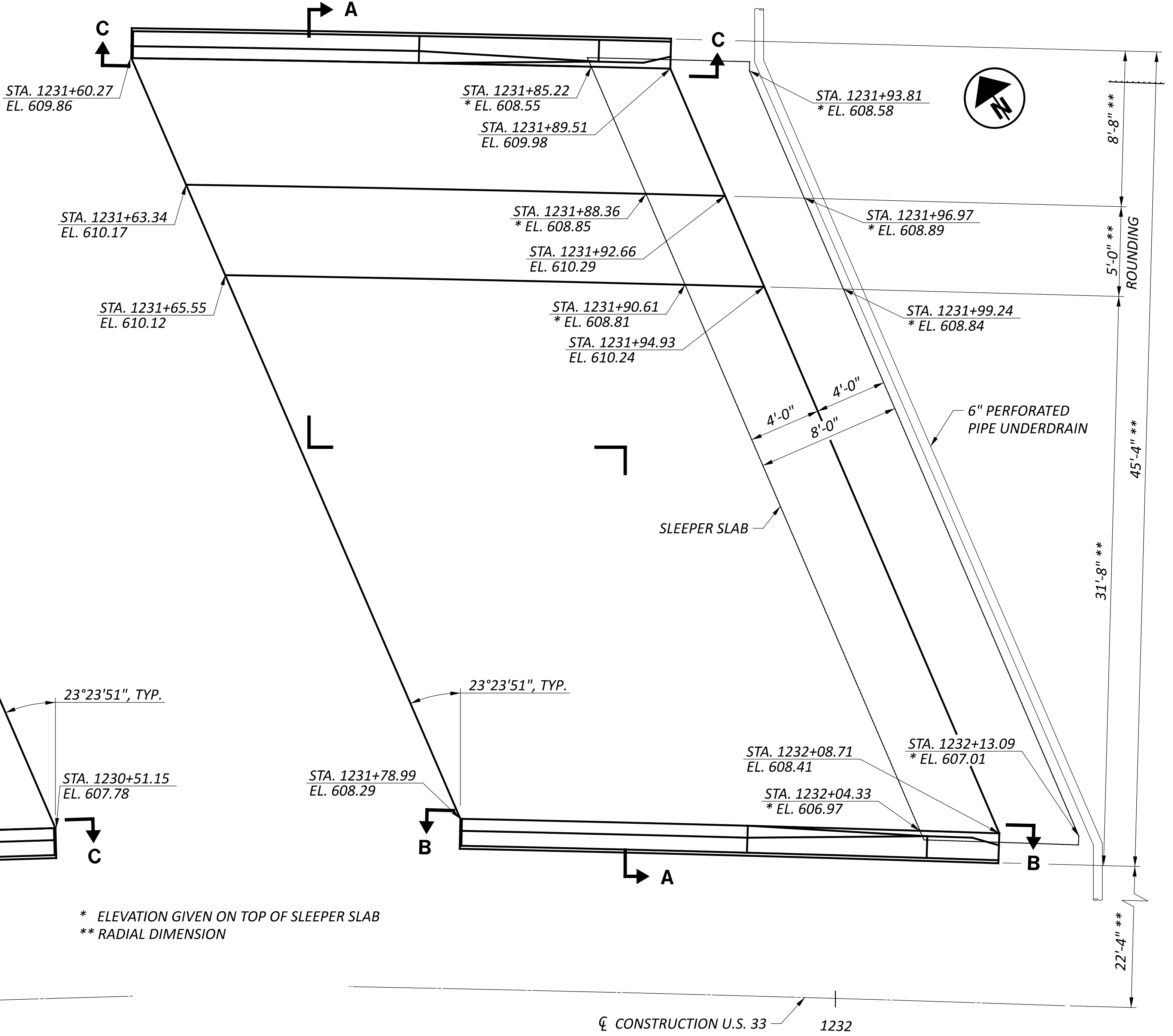
BRIDGE NO. MEG-00033-24.307

U.S. 33 OVER TRIBUTARY OF OLD TOWN CREEK AND T.R. 135 (SELLERS RIDGE RD.)

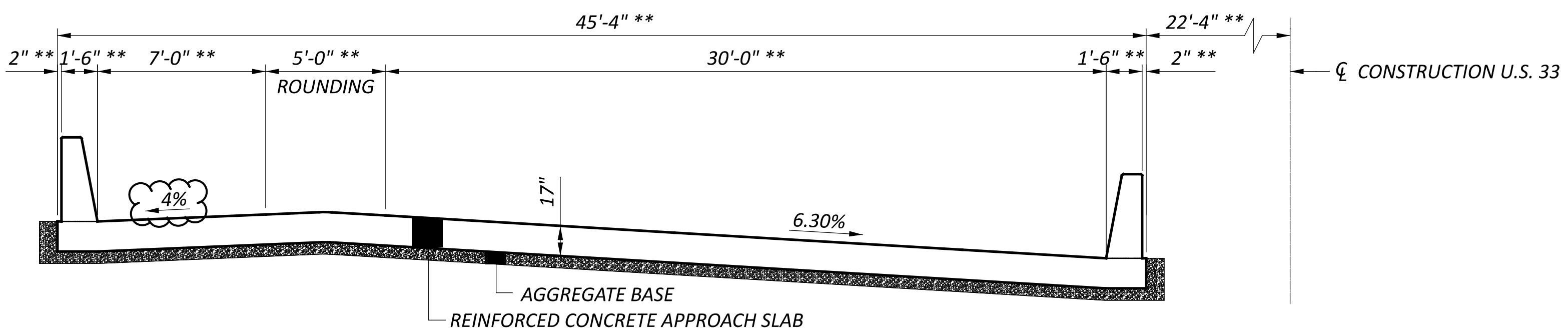
SFN	5300004
DESIGN AGENCY	
DESIGNER	CHECKER
TRK	BSM
REVIEWER	MRS 09-26-24
PROJECT ID	119144
SUBSET	TOTAL
20	24
SHEET	TOTAL
P.862	940



REAR APPROACH SLAB



FORWARD APPROACH SLAB



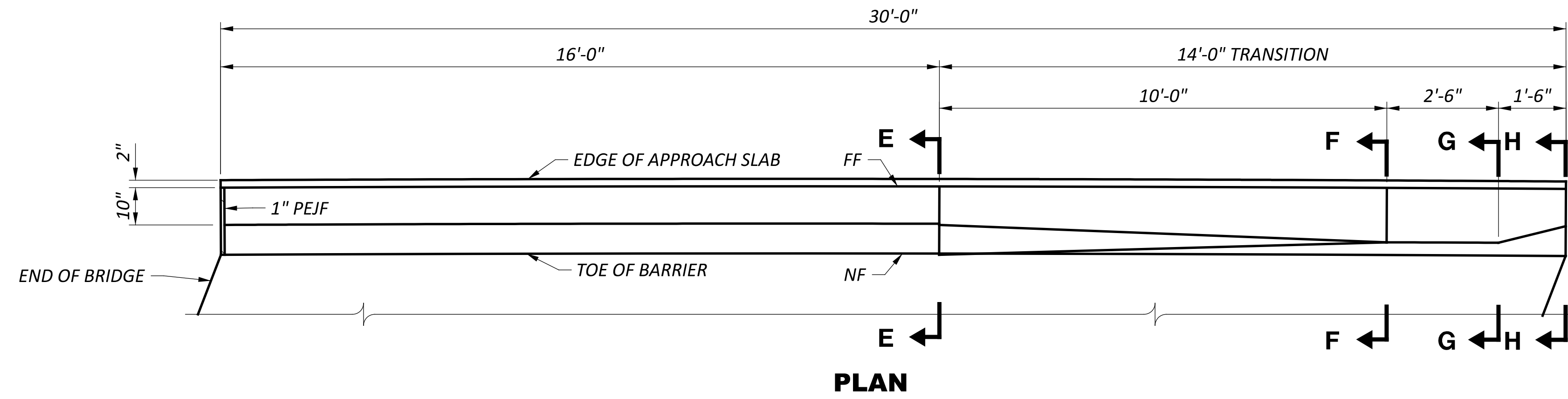
SECTION A-A

* ELEVATION GIVEN ON TOP OF SLEEPER SLAB
 ** RADIAL DIMENSION

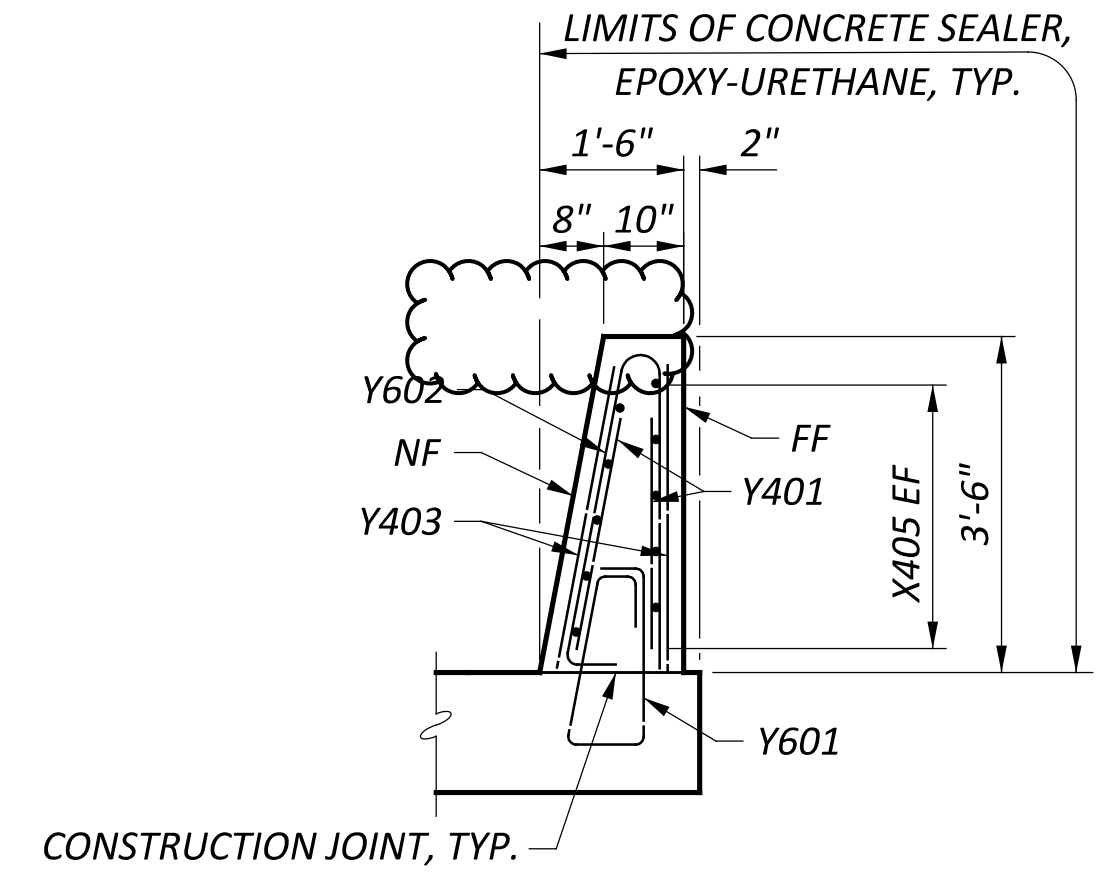
- NOTES:
1. FOR ADDITIONAL DETAILS OF THE BARRIER, SEE STD. DWG. SBR-1-20 AND SHEET 17 24 .
 2. FOR ADDITIONAL DETAILS OF THE APPROACH SLAB, SEE STD. DWG. AS-1-15 AND AS-2-15.
 3. FOR SECTION B-B AND SECTION C-C, SEE SHEET 22 24 .
 4. OUTLET 6" PERFORATED PIPE UNDERDRAIN IN ACCORDANCE WITH STD. DWG. AS-2-15.
 5. THE COST OF CONCRETE, AND INCIDENTALS IN BARRIER TO BE INCLUDED WITH ITEM 526 REINFORCED CONCRETE, APPROACH SLAB, AS PER PLAN.

APPROACH SLABS
 BRIDGE NO. MEG-00033-24.307
 U.S. 33 OVER TRIBUTARY OF OLD TOWN CREEK AND T.R. 135 (SELLERS RIDGE RD.)

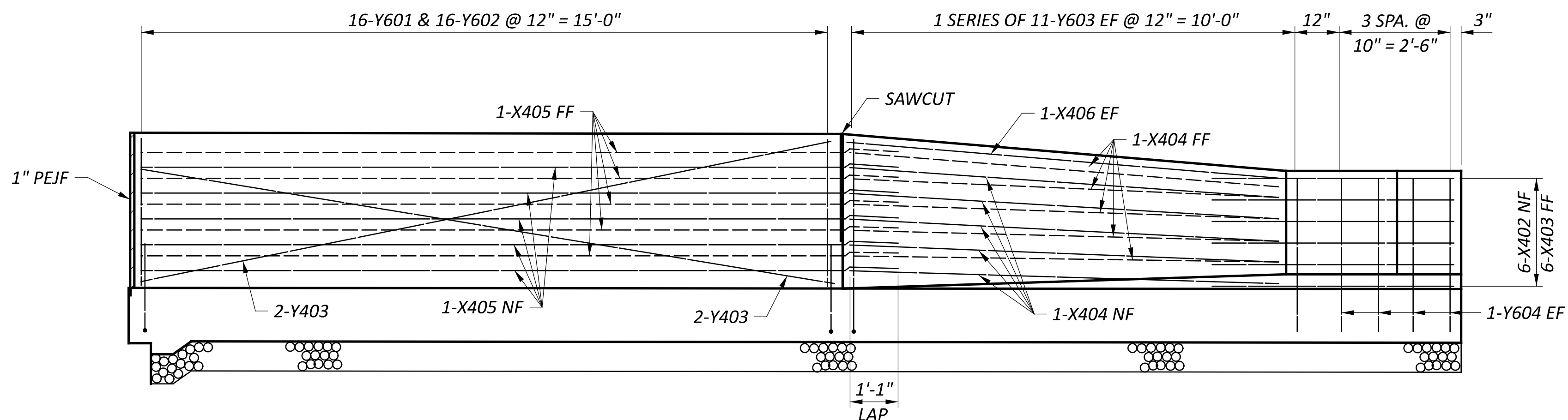
SFN		5300004
DESIGN AGENCY		
DESIGNER		MRS
CHECKER		EDA
REVIEWER		BSM
PROJECT ID		119144
SUBSET	TOTAL	
21	24	
SHEET	TOTAL	
P.863	940	



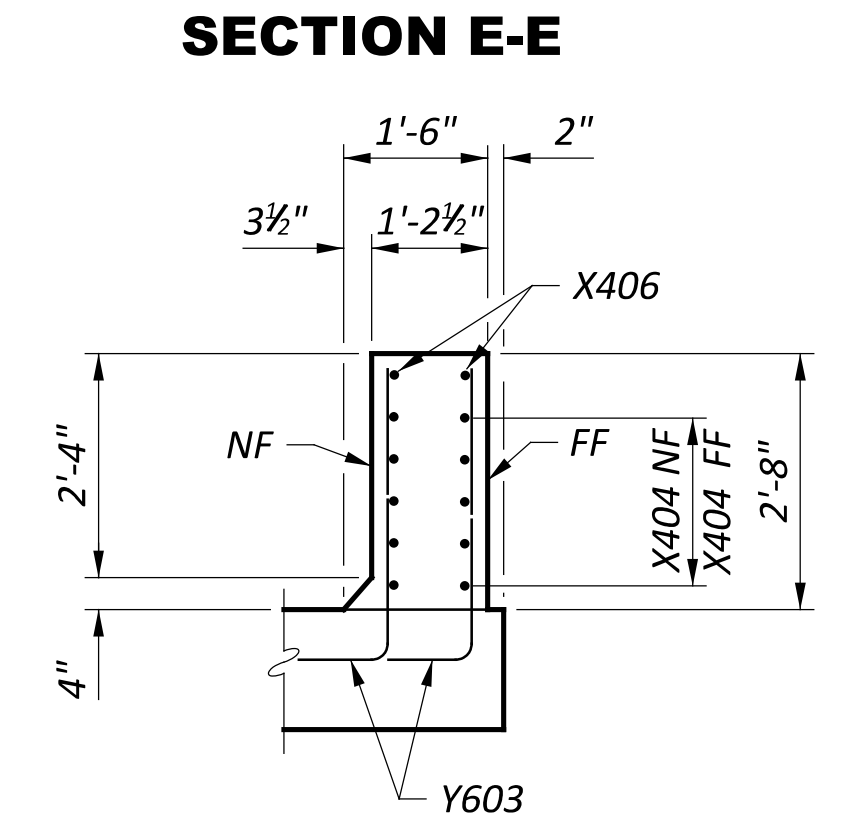
PLAN



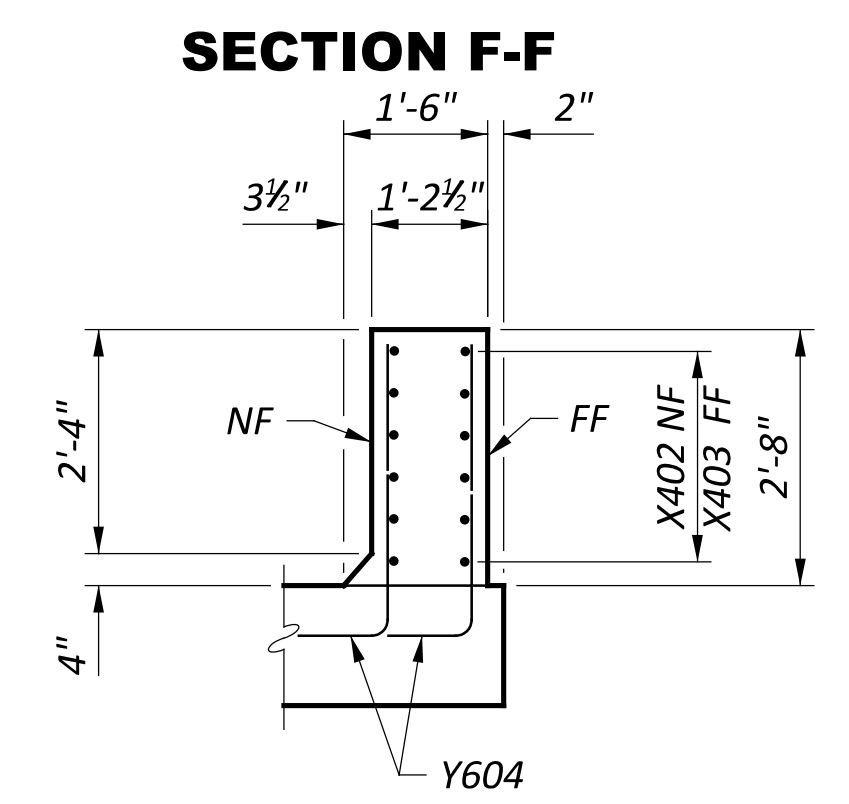
CONSTRUCTION JOINT, TYP.



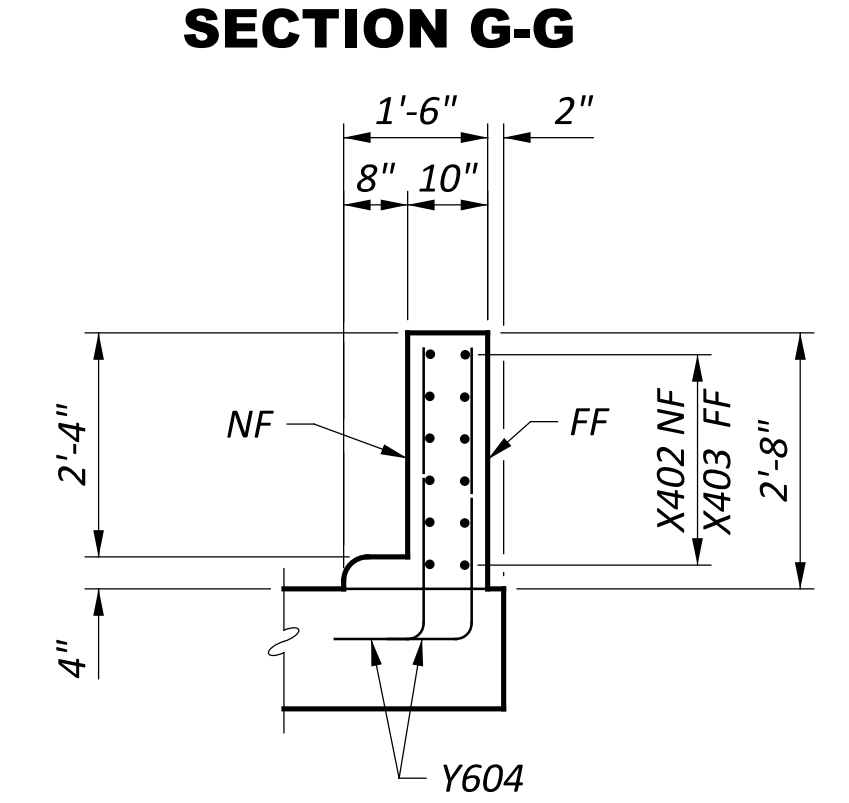
SECTION C-C
(SECTION B-B OPPOSITE HAND)



SECTION E-E



SECTION F-F



SECTION G-G



SECTION H-H

NOTES:
 1. SEE ROADWAY PLANS FOR BRIDGE TERMINAL ASSEMBLY DETAILS.

APPROACH SLAB DETAILS
 BRIDGE NO. MEG-00033-24.307
 U.S. 33 OVER TRIBUTARY OF OLD TOWN CREEK AND T.R. 135 (SELLERS RIDGE RD.)

SFN 5300004	
DESIGN AGENCY	
1500 LAKE SHORE DRIVE, SUITE 100 COLUMBUS, OH 43204 (614) 486-4383	
DESIGNER	CHECKER
MRS	EDA
REVIEWER	
BSM 09-26-24	
PROJECT ID	
119144	
SUBSET	TOTAL
22	24
SHEET	TOTAL
P.864	940