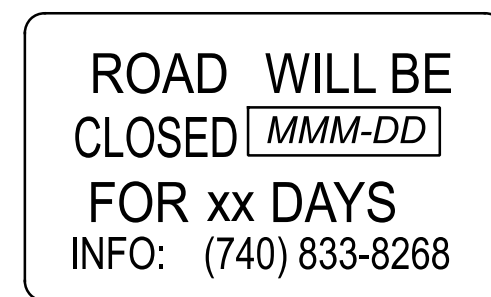


**ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)**

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

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

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN SHALL DISPLAY THE PHONE NUMBER OF THE DISTRICT 6 PUBLIC INFORMATION CONSTRUCTION LINE, (740) 833-8268, WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION.



W20-H13-60

**SHOULDER STRENGTHENING**

DURING ANY SEQUENCE OF CONSTRUCTION IN WHICH TRAFFIC IS TO BE MAINTAINED WITHIN 2 FEET OF THE EDGE OF PAVED SHOULDER, THE GRADED SHOULDER AREA ADJACENT TO THE PAVED SHOULDER SHALL BE STRENGTHENED. 6" OF ITEM 411 STABILIZED CRUSHED AGGREGATE, OR A COMPOSITION WITH SIMILAR STRUCTURAL CHARACTERISTICS, SHALL BE PLACED FOR 2 FEET BEYOND THE EDGE OF THE TEMPORARY TRAVELED LANE. ALL WORK AND MATERIALS ASSOCIATED WITH THE STRENGTHENING OF SHOULDERS SHALL BE INCLUDED IN THE LUMP SUM UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC. THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLANS FOR INFORMATION ONLY:

ITEM 411 - STABILIZED CRUSHED AGGREGATE 178 CU. YD.

**ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN**

THIS WORK SHALL CONSIST OF FURNISHING, MAINTAINING, AND SUBSEQUENTLY REMOVING A 50-INCH PORTABLE BARRIER AT THE LOCATIONS SHOWN ON THE PLANS. FOR DETAILS, SEE SCD RM-4.1.

PORTABLE STEEL BARRIER IS AN APPROVED ALTERNATIVE TO PORTABLE CONCRETE BARRIER. FOR INFORMATION ON APPROVED VENDORS, SEE THE APPROVED PRODUCTS LIST MAINTAINED BY THE OFFICE OF ROADWAY ENGINEERING.

PORTABLE BARRIER, 32 INCHES HIGH WITH AN 18-INCH MINIMUM HEIGHT GLARE SCREEN MAY BE USED AT THE OPTION OF THE CONTRACTOR. THE GLARE SCREEN SHALL BE CONSTRUCTED USING ONE OF THE SCREENS PROVIDED ON THE APPROVED LIST, AVAILABLE ON THE OFFICE OF ROADWAY ENGINEERING WEBSITE. DEPENDING ON THE CONTRACTOR'S BARRIER CHOICE, 2-WAY OBJECT MARKERS OR GLARE SCREENS WILL BE CONSIDERED INCIDENTAL TO THIS PAY ITEM.

PADDLE OR INTERMITTENT TYPE GLARE SCREENS SHALL BE DESIGNED USING A 20 DEGREE CUT-OFF ANGLE BASED ON TANGENT ALIGNMENT. THAT SPACING SHALL BE USED THROUGHOUT THE BARRIER LENGTH WITHOUT REGARD TO BARRIER CURVATURE.

**ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN (CONT.)**

THE GLARE SCREEN SYSTEM SHALL BE SECURELY FASTENED TO THE 32-INCH PORTABLE BARRIER USING THE HARDWARE AND PROCEDURES SPECIFIED BY THE MANUFACTURER.

FOR DIRECTIONS ON HOW TO INSTALL THE GLARE SCREEN AND THE BARRIER, SEE THE MANUFACTURER'S INSTRUCTIONS.

PAYMENT SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN.

**NOTIFICATION OF TRAFFIC RESTRICTIONS**

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE - PIO (D06.PIO@DOT.OHIO.GOV). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

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

NOTIFICATION TIME FRAME TABLE			
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC	NOTIFICATION DUE TO DISTRICT 6 COM OFFICE
RAMP & ROAD CLOSURES	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>=2 WEEKS		14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS		5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONST. & TRAFFIC PATTERN CHANGES	N/A		14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

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

**ITEM 614 - DETOUR SIGNING**

SIZE AND PLACEMENT OF DETOUR SIGNS (M4-9) SHOULD FOLLOW THE REQUIREMENTS OF THE OMUTCD SECTION 6F.03, SECTION 2A.11 AND TABLE 6F-01. DETOUR SIGNING SHALL PROVIDE DRIVERS ADEQUATE TIME TO CLEARLY READ THE SIGNS AND MAKE THE PROPER DECISIONS AT EACH REQUIRED TURNING MOVEMENT. THE DESIGNATED DETOUR ROUTE SHALL BE SIGNED IN ACCORDANCE WITH THE REQUIREMENTS BELOW: APPROXIMATELY 1500 FEET PRIOR TO TIP OF THE PAINTED GORE AT AN INTERCHANGE WHEN EXITING A HIGH SPEED (45 MPH OR HIGHER) FACILITY.

AT OR NEAR THE EXISTING SIGN IN THE GORE OF AN INTERCHANGE RAMP.

AT OR NEAR THE FIRST EXISTING LANE ASSIGNMENT SIGN ON AN INTERCHANGE EXIT RAMP.

AT OR NEAR THE EXISTING LANE ASSIGNMENT SIGN OR EXISTING ROUTE MARKER AT THE END OF AN EXIT RAMP.

APPROXIMATELY 500 FEET PRIOR TO A REQUIRED TURN AT AN INTERSECTION NOT CONTROLLED BY A STOP SIGN (FOR 45 MPH OR HIGHER ONLY).

AT OR NEAR THE EXISTING LANE ASSIGNMENT SIGN OR EXISTING ROUTE MARKER AT AN INTERSECTION.

EVERY TWO MILES ALONG A TANGENT SECTION BETWEEN TURNING MOVEMENTS OUTSIDE A CITY.

EVERY TWO BLOCKS ALONG A TANGENT SECTION BETWEEN TURNING MOVEMENTS WITHIN A CITY.

AT ANY OTHER INTERSECTION OR DECISION POINT WHERE THE DETOUR ROUTE IS CONTRARY TO THE NORMAL, EXPECTED TURNING MANEUVER OR OTHERWISE UNCLEAR.

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

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

PAYMENT FOR ACCEPTED QUANTITIES WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL BE FOR ALL MATERIALS, LABOR, INCIDENTALS AND EQUIPMENT FOR FURNISHING, PROPER SIGN PLACEMENT AND SIZING, TIMELY ERECTING AND/OR UNCOVERING OF SIGNS, MAINTAINING SIGNS, AND TIMELY COVERING AND/OR REMOVING SIGNS AND SUPPORTS. SEE SHEETS P.17-P.18 FOR DETOUR MAPS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614 - DETOUR SIGNING = LUMP SUM

**ITEM 614, MAINTAINING TRAFFIC (ROAD CLOSED SIGN)**

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

SEE SHEET P.17 FOR SIGN LOCATIONS FOR RAYMOND ROAD  
 SEE SHEET P.17 FOR SIGN LOCATIONS FOR WALDO ROAD  
 SEE SHEET P.18 FOR SIGN LOCATIONS FOR WEST 5TH STREET EB RAMP

**ITEM 614, MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)**

NO WORK SHALL BE PERFORMED AND 2 LANES IN EACH DIRECTION SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR SPECIAL EVENTS:

NEW YEAR'S (OBSERVED)	GENERAL/REGULAR ELECTION DAY (NOV)
MEMORIAL DAY	THANKSGIVING
FOURTH OF JULY (OBSERVED)	CHRISTMAS (OBSERVED)
LABOR DAY	

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR SPECIAL EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR SPECIAL EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY	5:00 AM TUESDAY THROUGH 12:00 AM
(GEN./REG. ELECTION)	WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

ALL OHIO BALOON FESTIVAL  
 LANE OR RAMP CLOSURES ARE NOT PERMITTED DURING THE ALL OHIO BALOON FESTIVAL AT THE UNION COUNTY AIRPORT 12PM - 12AM DAILY.

DURING THE SAME PERIODS, MAINTAIN PEDESTRAIN ACCESS IF PEDESTRIAN ACCESS WAS PRESENT PRIOR TO CONSTRUCTION.

NO EXTENSIONS OF TIME SHALL BE GRANTED FOR DELAYS IN MATERIAL DELIVERIES, UNLESS SUCH DELAYS ARE INDUSTRY WIDE, OR FOR LABOR STRIKES, UNLESS SUCH STRIKES ARE AREA WIDE.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (SEE BELOW).

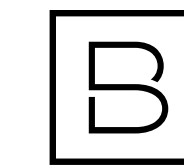
**LANE VALUE CONTRACT TABLE**

THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE AS DESIGNATED IN THE LANE/SHOULDER/RAMP IS CLOSED BY THE CONTRACTOR'S ACTION WHILE NOT OTHERWISE PERMITTED BY THE LANE VALUE CONTRACT TABLE.

LANE VALUE CONTRACT TABLE						
UNI-33						
SECTION (SLM)	EXISTING NUMBER OF LANES PER DIRECTION	LANE REDUCTION	LANE CLOSURES ARE NOT PERMITTED			DISINCENTIVE AMOUNT PER MINUTE PER LANE
			MON TO FRI	SAT	SUN	
LOGAN COUNTY LINE (0.00) TO NORTHWEST PKWY (8.79)	2	2 TO 1	6AM - 9AM & 2PM - 6PM	NO RESTRICTION	NO RESTRICTION	\$155
NORTHWEST PKWY (8.79) TO US 42 (20.37)	2	2 TO 1	6AM - 8AM & 3PM - 6PM	NO RESTRICTION	NO RESTRICTION	\$200
12/1 - 2/28 WEEKDAY	2	2 TO 1	5AM - 10AM & 1PM - 7PM	NO RESTRICTION	NO RESTRICTION	\$245

SINGLE LANE CLOSURE HOURS SHALL ALSO APPLY TO SHORT TERM SHOULDER CLOSURES.

DESIGN AGENCY



**BERGMANN**  
 ARCHITECTS ENGINEERS PLANNERS  
 540 BRIMFIELD BLVD, STE C,  
 WAMEGO, OH 43087

DESIGNER

XF

REVIEWER

MAS 07/15/24

PROJECT ID

115675

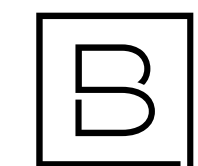
SHEET TOTAL

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REF NO.	SHEET NO.	STATION TO STATION		614	614	614	614	614	614	614	614	622	622	
				WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	BARRIER REFLECTOR, TYPE 1, 1 WAY	OBJECT MARKER, ONE WAY	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT, WHITE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT, YELLOW	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 807 PAINT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT	PORTABLE BARRIER, 50", AS PER PLAN	PORTABLE BARRIER, ANCHORED	
				EACH	EACH	EACH	MILE	MILE	MILE	FT	FT	FT	FT	
CH-1	20	394+46	TO 404+46							1000				
CH-2	20	401+93	TO 414+78							1285				
ELY-1	20-24	404+46	TO 496+67						1.86					
ELW-1	20-24	404+46	TO 497+01					1.86						
ELY-2	20-24	404+46	TO 497+01						1.87					
ELW-2	20-22	404+93	TO 452+40					0.88						
ELY-3	20-24	404+93	TO 497+75						1.86					
ELW-3	20-21	406+04	TO 432+92					0.52						
PB-1	20-24	408+18	TO 493+92	1	366							9140		
PB-2	20	413+31	TO 418+96	1	11	10							570	
PB-3	20	414+54	TO 416+63	1	4							193		
LL-1	20-23	414+78	TO 486+47				1.46							
DL-1	21	427+92	TO 434+10							639				
ELW-4	21-22	434+10	TO 450+25					0.32						
DL-2	21	437+50	TO 447+75							1110				
ELW-5	21-22	445+68	TO 458+48					0.37						
ELY-4	21-22	447+75	TO 450+12						0.04					
ELW-6	21-23	447+75	TO 468+94					0.51						
ELY-5	21-22	448+19	TO 450+25						0.04					
DL-3	22	450+25	TO 458+75							874				
ELW-7	22-23	459+92	TO 485+82					0.59						
ELY-6	22	461+51	TO 468+48						0.05					
PB-4	22	462+10	TO 468+01	1	6							290		
PB-5	22	462+81	TO 461+70	1	9	8							470	
DL-4	22	468+48	TO 468+00							925				
ELW-8	23-24	468+66	TO 497+75					0.55						
DL-5	23	468+94	TO 473+26							445				
PB-6	23	470+60	TO 473+52	1	6							300		
PB-7	23	473+60	TO 480+66	1	20	19							1000	
CH-3	23-24	485+47	TO 500+75							1428				
CH-4	24	497+01	TO 500+01							300				
ELY-7	25-29	404+46	TO 497+01						1.87					
ELW-9	25-26	404+46	TO 429+27					0.47						
PB-8	25	413+13	TO 418+96	1	12	11							590	
DL-6	26	427+25	TO 430+75							358				
ELW-10	26-27	430+75	TO 451+27					0.40						
ELY-8	26	430+75	TO 432+72						0.04					
ELW-11	26-28	445+23	TO 488+97					0.95						
ELY-9	26-27	447+60	TO 451+27						0.07					
DL-7	27	451+27	TO 462+00							1086				
PB-9	27	462+19	TO 461+70	1	11	10							540	
PB-10	28	473+32	TO 480+67	1	15	14							740	
TOTALS CARRIED TO GENERAL SUMMARY				10	460	72	1.46	15.13	4013	5437	9923	3910		

SECTION 1 - PHASES 2 & 3

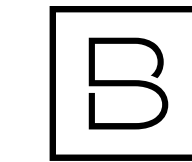


REF NO.	SHEET NO.	STATION TO STATION		614	614	614	614	614	614	614	614	615	622	622	
				WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	BARRIER REFLECTOR, TYPE 1, 1 WAY	OBJECT MARKER, ONE WAY	WORK ZONE LANE LINE, CLASS 1, 6", 807 PAINT	WORK ZONE EDGE LINE, CLASS 1, 6", 807 PAINT, WHITE	WORK ZONE EDGE LINE, CLASS 1, 6", 807 PAINT, YELLOW	WORK ZONE CHANNELIZING LINE, CLASS 1, 8", 807 PAINT	WORK ZONE DOTTED LINE, CLASS 1, 6", 807 PAINT	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	PORTABLE BARRIER, 50", AS PER PLAN	PORTABLE BARRIER, ANCHORED	
				EACH	EACH	EACH	MILE	MILE	MILE	FT	FT	SY	FT	FT	
CH-7	30	401+52	TO	303+52							300				
CH-8	30	401+73	TO	414+85						1313					
ELY-10	30-33	404+52	TO	497+01											
ELW-12	30-34	404+52	TO	496+37					1.87	1.85					
ELY-11	30-34	404+52	TO	496+37						1.87					
ELY-12	30-34	404+73	TO	496+44						1.86					
ELW-13	30-31	404+73	TO	428+19					0.45						
PB-11	30-34	408+05	TO	493+40	1	366							9160		
ELW-14	30-32	409+83	TO	452+11					0.81						
LL-2	30-33	414+85	TO	486+67				1.53							
PB-12	30	415+69	TO	421+82	1	12	11							620	
PB-13	30	418+01	TO	420+72	1	5							270		
DL-8	31	428+19	TO	433+86							586				
ELW-15	31-32	433+86	TO	450+88					0.32		597				
DL-9	31	438+50	TO	488+00											
ELW-16	31-32	445+68	TO	458+96					0.38						
ELY-13	31-32	448+00	TO	450+40						0.04					
ELW-17	31-32	448+00	TO	467+91					0.49						
ELY-14	31-32	448+11	TO	450+88						0.05					
DL-10	32	450+88	TO	459+50							924				
ELW-18	32-34	459+42	TO	496+44					0.80						
ELY-15	32	461+30	TO	458+96						0.06					
PB-14	32	458+30	TO	461+50	1	11	10							560	
DL-11	32-33	458+96	TO	468+25							927				
PB-15	32	460+85	TO	462+33	1	3							150		
DL-12	32-33	467+91	TO	473+26							549				
ELW-19	33-34	468+66	TO	495+01					0.50						
PB-16	33	475+53	TO	483+04	1	15	14							760	
CH-9	33-34	486+67	TO	499+44							1277				
CH-10	34	497+01	TO	507+01							1000				
ELY-16	35-39	404+52	TO	496+51						1.86					
ELW-20	35-37	407+39	TO	453+11					0.86					550	
PB-17	35	415+69	TO	419+20	1	11	10								
DL-13	36	433+50	TO	445+66							1193				
ELY-17	36-37	445+66	TO	450+06						0.08					
ELW-21	36-37	445+66	TO	470+00					0.57						
PB-18	37	458+30	TO	463+50	1	11	10							530	
ELY-18	38	469+93	TO	470+00						0.02					
DL-14	38	470+00	TO	473+83							389				
ELW-22	38-39	472+90	TO	496+51					0.45						
PB-19	38	475+53	TO	482+45	1	14	13							700	
PV-1	59	405+22	TO	416+34								2704			
PV-2	60	485+43	TO	496+67								2478			
TOTALS CARRIED TO GENERAL SUMMARY					9	450	69	1.53	15.18	3890	5165	5182	9580	3720	

SECTION 1 - PHASES 4 & 5

MAINTENANCE OF TRAFFIC SUBSUMMARY

DESIGN AGENCY



**BERGMANN**  
 ARCHITECTS ENGINEERS PLANNERS  
340 BRIMFIELD BLVD, STE C,  
 WAMEGO, OH 43087

DESIGNER

JTO

REVIEWER

XF 07/15/24

PROJECT ID

115675

SHEET TOTAL

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REF NO.	SHEET NO.	STATION TO STATION		614	614	614	614	614	614	614	622	622	615
				WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	BARRIER REFLECTOR, TYPE 1, 1 WAY	OBJECT MARKER, ONE WAY	WORK ZONE EDGE LINE, CLASS 1, 6", 807 PAINT, WHITE	WORK ZONE EDGE LINE, CLASS 1, 6", 807 PAINT, YELLOW	WORK ZONE CHANNELIZING LINE, CLASS 1, 8", 807 PAINT	WORK ZONE DOTTED LINE, CLASS 1, 6", 807 PAINT	PORTABLE BARRIER, 50", AS PER PLAN	PORTABLE BARRIER, ANCHORED	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
				EACH	EACH	EACH	MILE	MILE	FT	FT	FT	FT	SY
CH-1	42	578+74	TO 588+74						1000				
CH-2	42-45	586+52	TO 622+05						3553				
ELW-1	42-45	588+74	TO 619+97				0.59						
ELY-1	42-45	588+74	TO 619+97					0.59					
ELY-2	42-45	588+74	TO 619+97					0.59					
DL-1	42	588+74	TO 593+51							478			
ELW-2	42-44	588+74	TO 611+35				0.43						
ELW-3	42-45	589+52	TO 619+05				0.56						
ELW-3	42-45	589+52	TO 619+05					0.56					
PB-1	42-44	592+06	TO 616+32	1	98						2430		
PB-2	43	597+58	TO 605+93	1	16	15						820	
PB-3	43	598+77	TO 601+85	1	6						290		
CH-3	45	619+97	TO 619+97						300				
DL-2	46	588+74	TO 595+88							714			
ELW-4	46-49	588+74	TO 617+98				0.55						
ELY-4	46-49	589+22	TO 619+97					0.58					
PB-4	47	597+67	TO 605+93	1	16	15						810	
CH-4	50	585+67	TO 588+67						300				
CH-5	50-53	586+45	TO 622+23						3578				
ELY-5	50-53	588+67	TO 619+94					0.59					
ELW-5	50-53	588+67	TO 619+94				0.59						
ELY-6	50-53	588+67	TO 620+06					0.60					
DL-3	50	589+45	TO 593+75							430			
ELY-7	50-53	589+45	TO 619+23					0.56					
ELW-6	50-53	589+45	TO 619+23				0.56						
ELW-7	50-53	595+13	TO 618+64				0.45						
PB-5	50-52	592+67	TO 616+63	1	96						2380		
PB-6	51	600+33	TO 606+91	1	13	12						640	
PB-7	52	608+42	TO 611+25	1	6						283		
CH-6	53	619+94	TO 629+94						1000				
ELY-8	54-57	588+67	TO 619+94					0.56					
ELW-8	54-57	589+66	TO 619+13				0.59						
PB-8	55	600+33	TO 606+79	1	13	12						630	
PV-1	63	589+25	TO 600+92										2200
PV-2	64	608+18	TO 619+72										2433
TOTALS CARRIED TO GENERAL SUMMARY				8	264	54	8.95		9731	1622	5383	2900	4633

SECTION 2 - PHASES 2 - 5

REF NO.	SHEET NO.	DESCRIPTION	BEGIN STATION	END STATION	SPECIAL	606		614	
					WORK ZONE GUARDRAIL	ANCHOR ASSEMBLY, TYPE B	BRIDGE TERMINAL ASSEMBLY, TYPE 1	OBJECT MARKER, ONE WAY	BARRIER REFLECTOR, TYPE 1, 1-WAY
					FT	EACH	EACH	EACH	EACH
SECTION 1									
PHASE 2									
GR-1	20	GUARDRAIL REMOVED	413+32	416+47		(SEE PART 3 FOR QUANTITIES)			
GR-2	20	GUARDRAIL REMOVED	418+20	421+19		(SEE PART 3 FOR QUANTITIES)			
GR-3	21	GUARDRAIL REMOVED/INSTALLED	430+37	433+72		(SEE PART 3 FOR QUANTITIES)			
WGR-3	21	(WZ) GUARDRAIL INSTALLED	433+46	436+19	275	1		5	6
WGR-4	21	(WZ) GUARDRAIL INSTALLED	440+34	442+07	175	1		3	4
GR-4	21	GUARDRAIL REMOVED/INSTALLED	441+95	445+37		(SEE PART 3 FOR QUANTITIES)			
GR-5	21	GUARDRAIL REMOVED/INSTALLED	439+59	442+98		(SEE PART 3 FOR QUANTITIES)			
WGR-5	21	(WZ) GUARDRAIL INSTALLED	442+83	445+44	275	1		5	6
GR-6	22	GUARDRAIL REMOVED	462+57 BK	459+00 AH		(SEE PART 3 FOR QUANTITIES)			
GR-7	22	GUARDRAIL REMOVED	460+81	463+15		(SEE PART 3 FOR QUANTITIES)			
WGR-8	22	(WZ) GUARDRAIL INSTALLED	466+38	467+87	150	1		3	4
GR-8	22-23	GUARDRAIL REMOVED/INSTALLED	467+74	470+59		(SEE PART 3 FOR QUANTITIES)			
GR-9	23	GUARDRAIL REMOVED/INSTALLED	470+63	473+57		(SEE PART 3 FOR QUANTITIES)			
GR-10	23	GUARDRAIL REMOVED	475+54	476+63		(SEE PART 3 FOR QUANTITIES)			
WGR-11	23	(WZ) GUARDRAIL INSTALLED	481+47	481+97	150	1	1	3	4
PHASE 3									
GR-1	25	GUARDRAIL INSTALLED	414+87	416+37		(SEE PART 3 FOR QUANTITIES)			
GR-6	27	GUARDRAIL INSTALLED	462+93 BK	458+97 AH		(SEE PART 3 FOR QUANTITIES)			
GR-10	28	GUARDRAIL INSTALLED	475+47	476+60		(SEE PART 3 FOR QUANTITIES)			
WGR-12	28	(WZ) GUARDRAIL INSTALLED	478+16	479+66	150	1	1	3	4
WGR-13	28	(WZ) GUARDRAIL INSTALLED	485+40	486+92	150	1	1	3	4
PHASE 4									
WGR-4		(WZ) GUARDRAIL REMOVED	440+34	442+07		(SEE PART 3 FOR QUANTITIES)			
GR-1		GUARDRAIL REMOVED/INSTALLED	461+68 BK	458+92 AH		(SEE PART 3 FOR QUANTITIES)			
WGR-8		(WZ) GUARDRAIL REMOVED	466+38	467+87		(SEE PART 3 FOR QUANTITIES)			
WGR-11		(WZ) GUARDRAIL REMOVED	481+47	481+97		(SEE PART 3 FOR QUANTITIES)			
PHASE 5									
GR-2	35	GUARDRAIL INSTALLED	418+27	421+07		(SEE PART 3 FOR QUANTITIES)			
GR-7	37	GUARDRAIL INSTALLED	460+84	462+98		(SEE PART 3 FOR QUANTITIES)			
FOLLOWING PHASE 5									
WGR-3		(WZ) GUARDRAIL REMOVED	433+46	436+19		(SEE PART 3 FOR QUANTITIES)			
WGR-5		(WZ) GUARDRAIL REMOVED	442+83	445+44		(SEE PART 3 FOR QUANTITIES)			
WGR-12		(WZ) GUARDRAIL REMOVED	478+16	479+66		(SEE PART 3 FOR QUANTITIES)			
WGR-13		(WZ) GUARDRAIL REMOVED	485+40	486+92		(SEE PART 3 FOR QUANTITIES)			
SECTION 2									
NO WORK ZONE GUARDRAIL INSTALLED									
TOTALS CARRIED TO GENERAL SUMMARY					1325	FOR INFO ONLY	25	32	

GUARDRAIL ESTIMATED QUANTITIES

DESIGN AGENCY



**BERGMANN**  
 ARCHITECTS ENGINEERS PLANNERS  
340 BRIMFIELD BLVD, STE C,  
 WAMEGO, OH 43087

DESIGNER

JTO

REVIEWER

XF 07/15/24

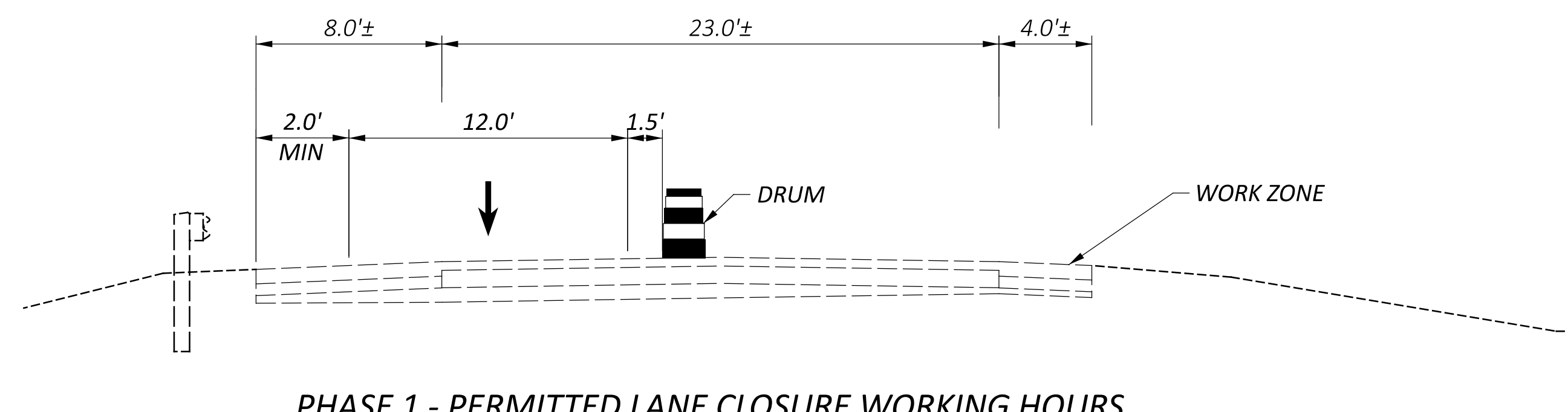
PROJECT ID

115675

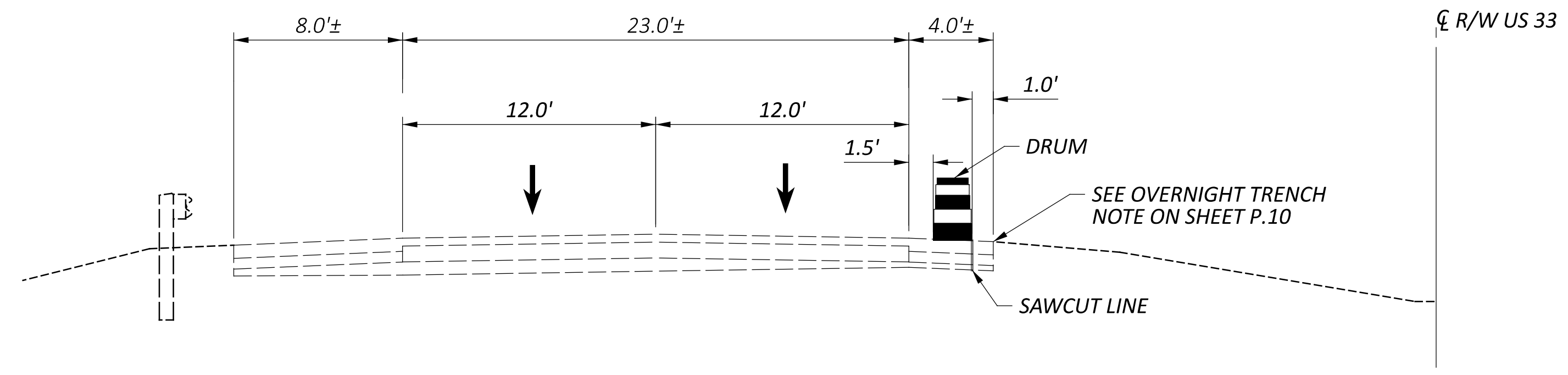
SHEET TOTAL

P.13 | 227

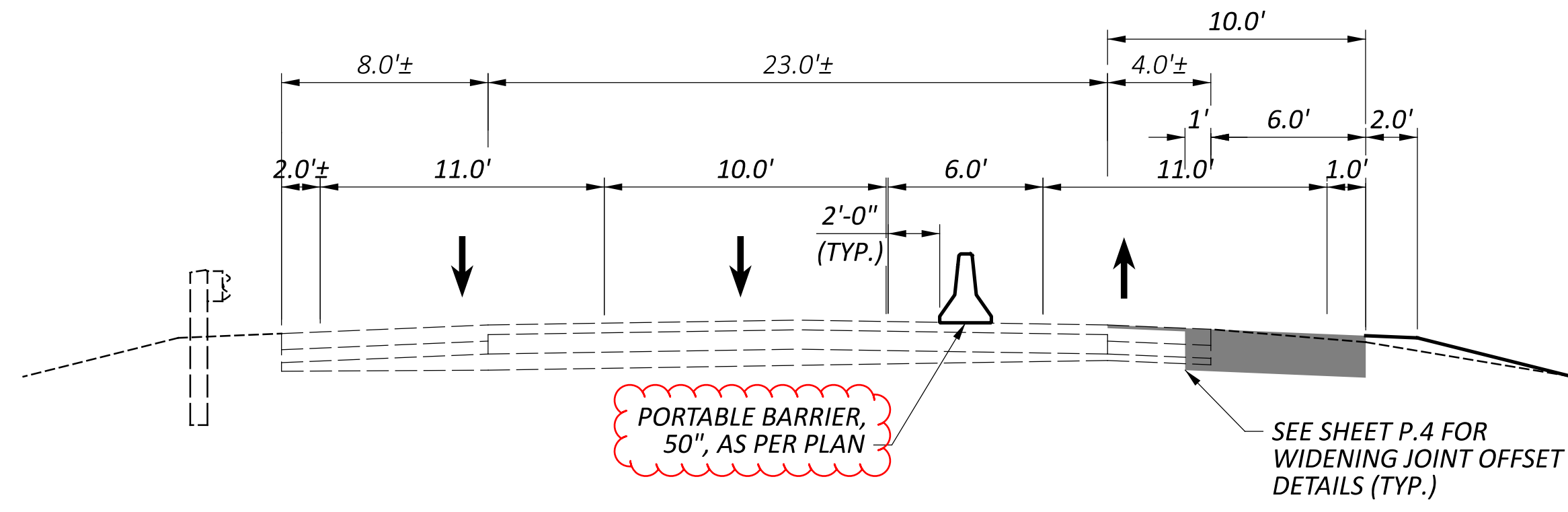




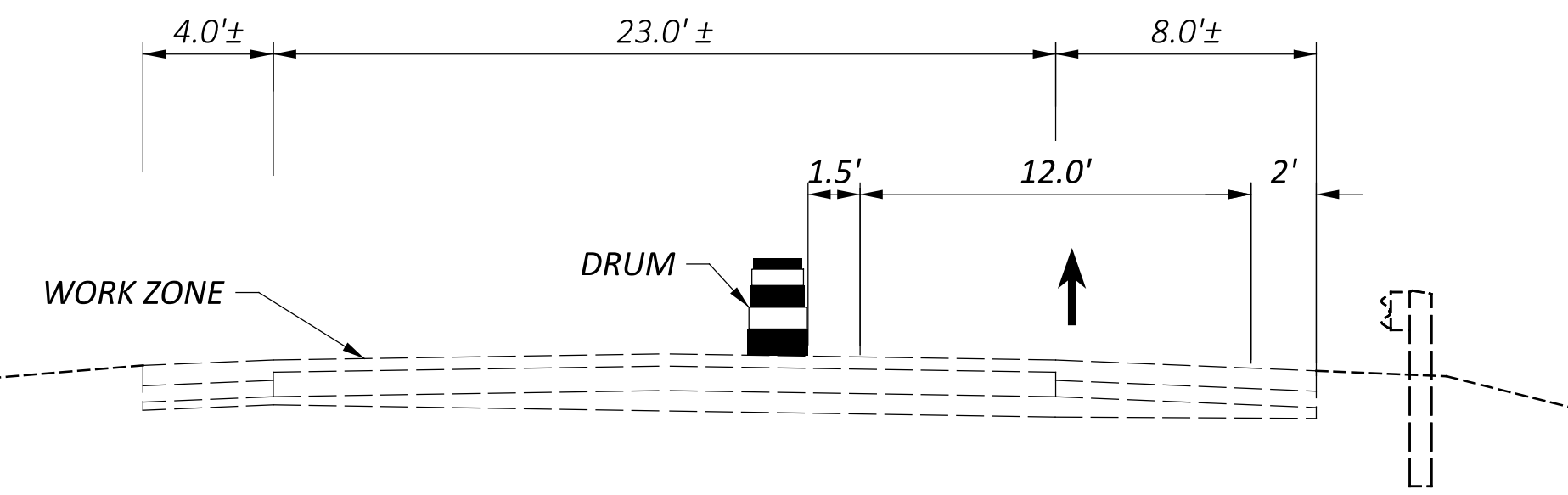
PHASE 1 - PERMITTED LANE CLOSURE WORKING HOURS



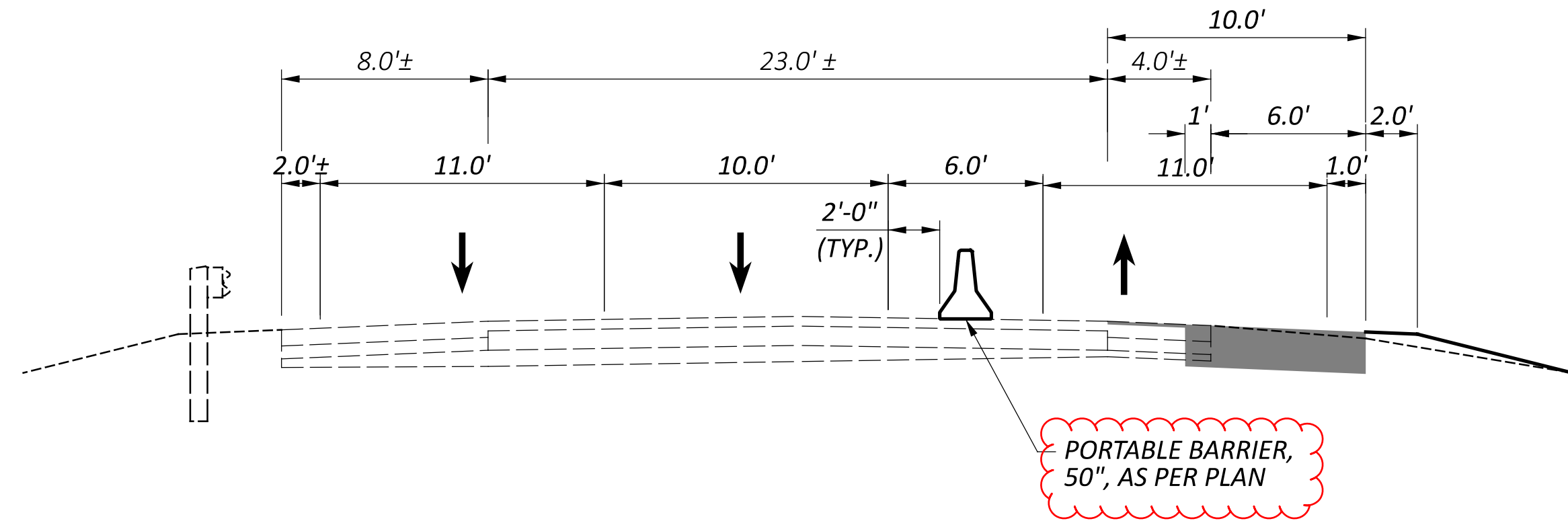
PHASE 1 - NON-WORKING HOURS



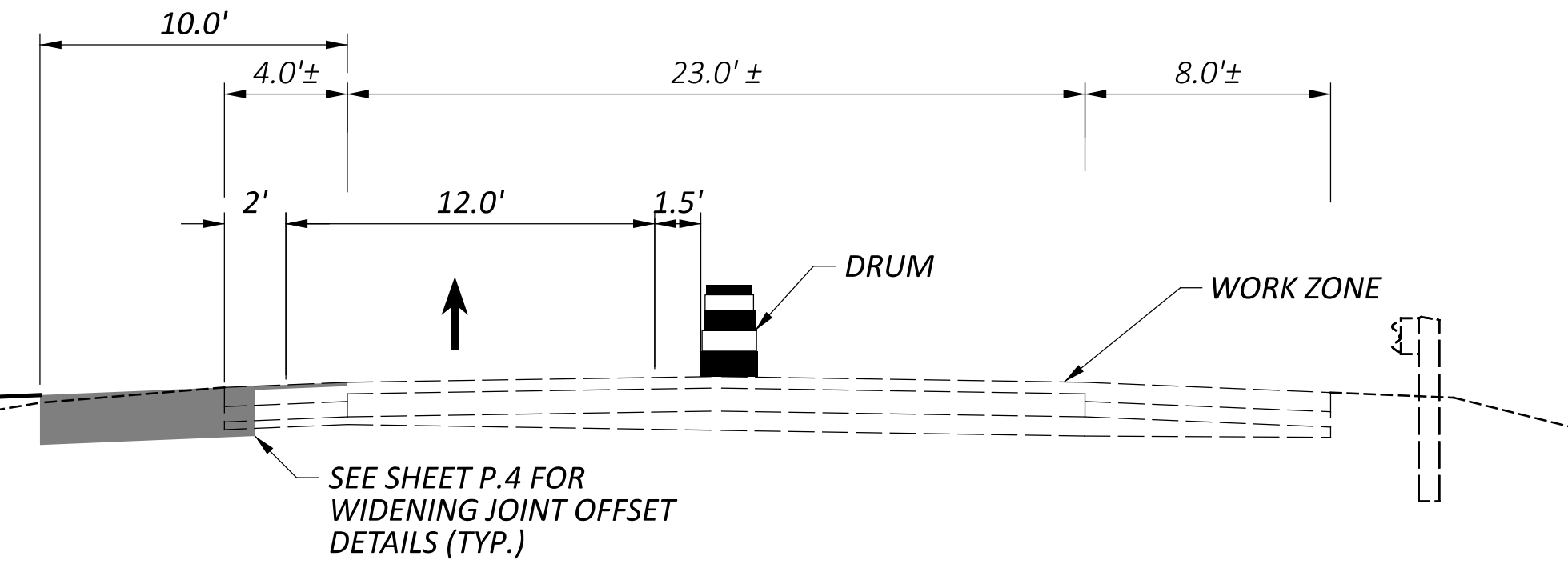
PHASE 2 SECTION  
BEGIN TO STA. 473+50



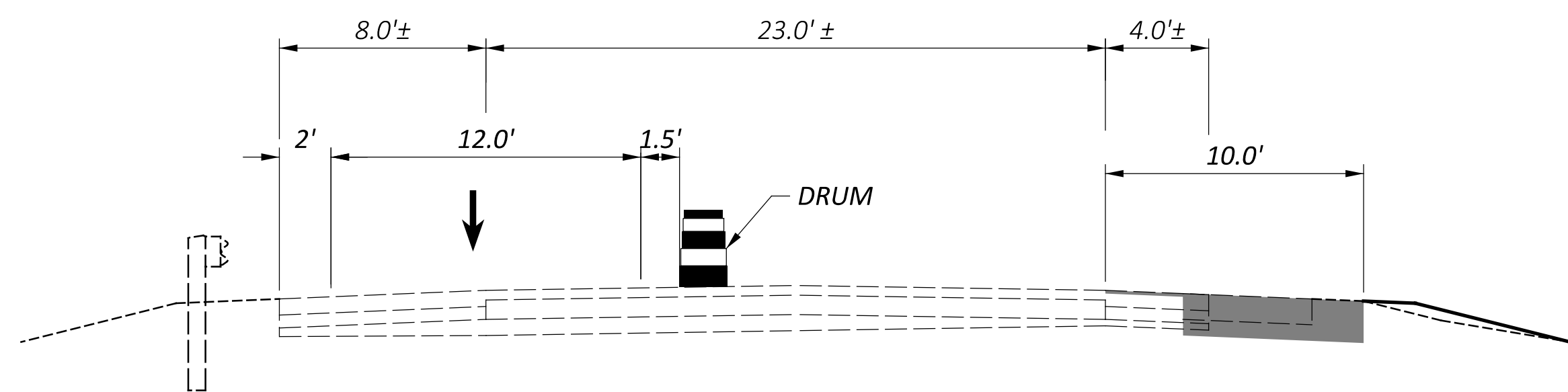
PHASE 3 SECTION  
BEGIN TO STA. 473+50



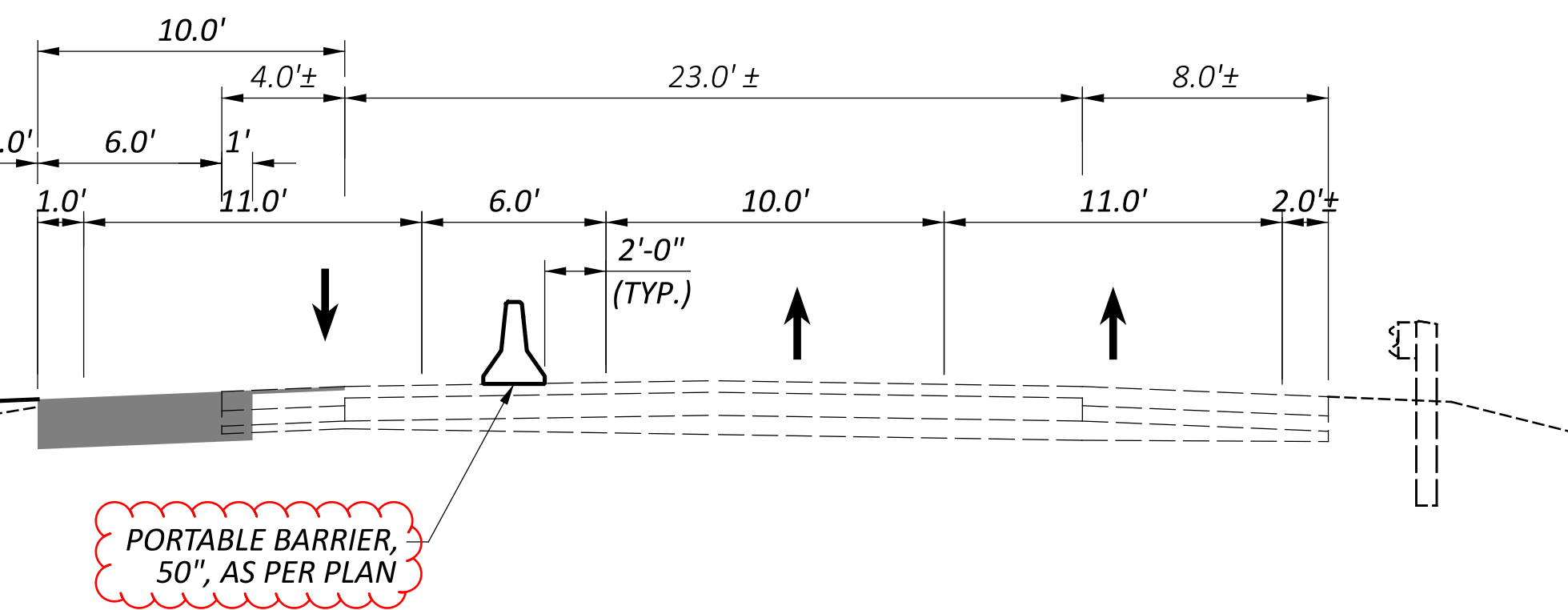
PHASE 4 SECTION  
BEGIN TO STA. 473+50



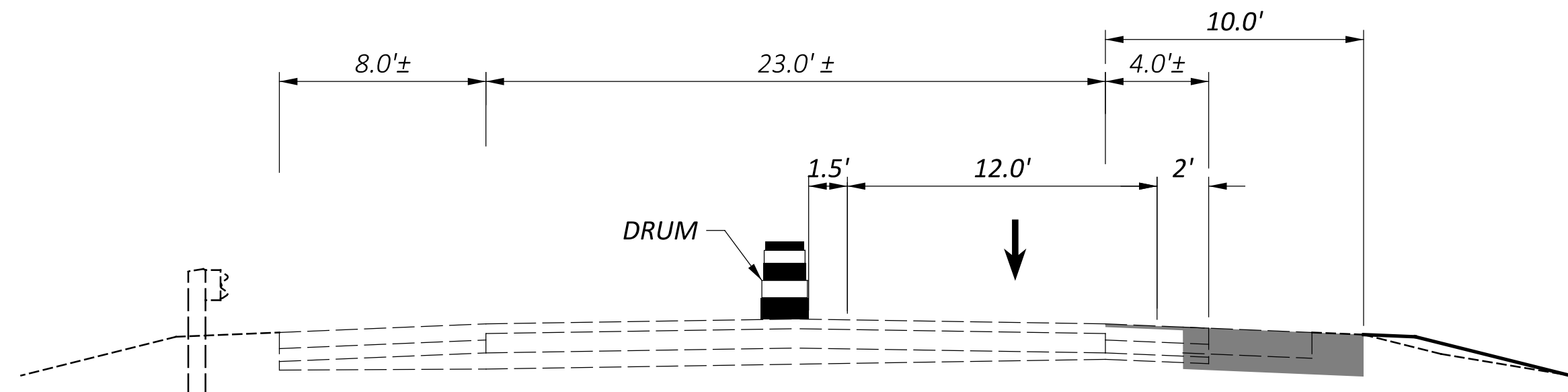
PHASE 5 SECTION  
BEGIN TO STA. 473+50



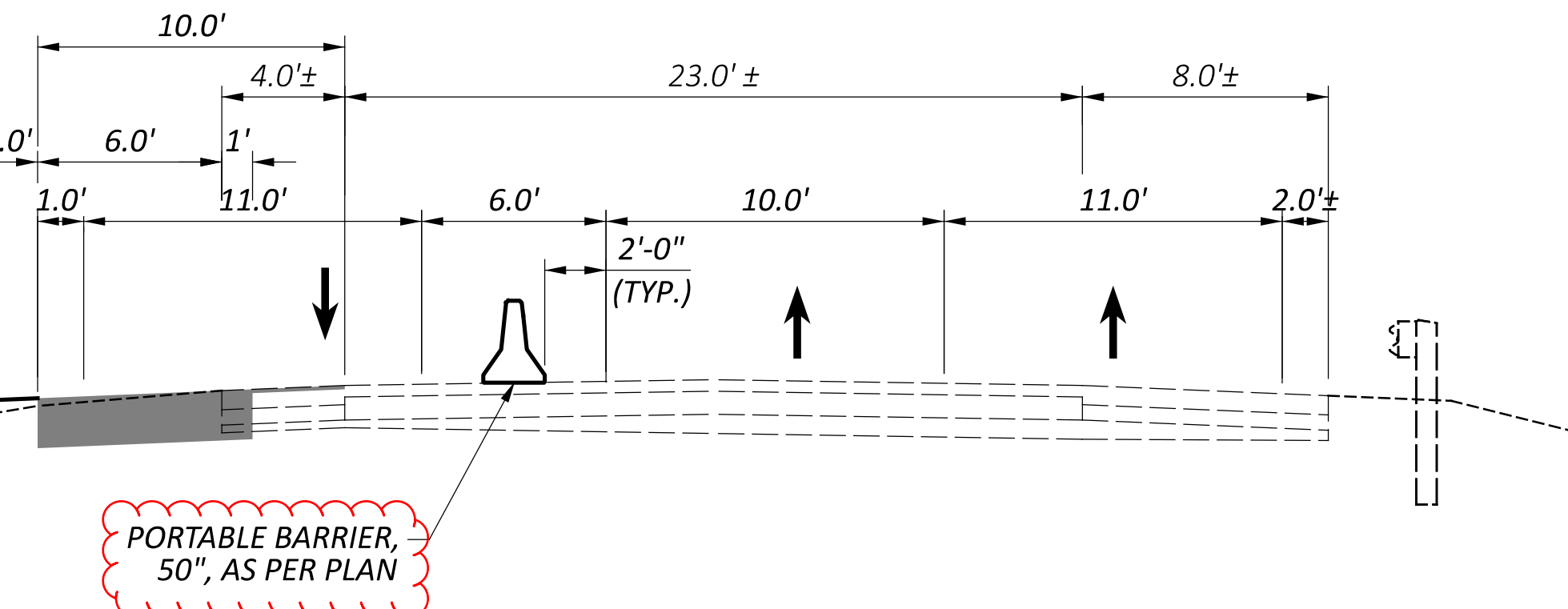
PHASE 6 SECTION  
BEGIN TO STA. 473+50



PHASE 7 SECTION  
BEGIN TO STA. 473+50



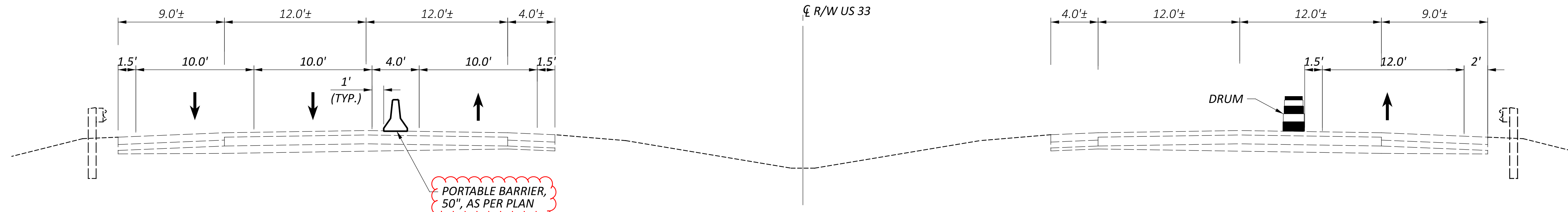
PHASE 8 SECTION  
BEGIN TO STA. 473+50



PHASE 9 SECTION  
BEGIN TO STA. 473+50

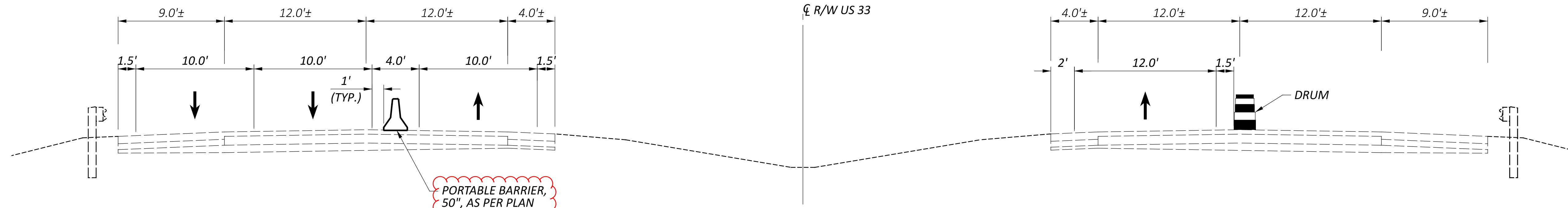
DESIGN AGENCY	
BERGMANN ARCHITECTS ENGINEERS PLANNERS 340 BRIMFIELD BLVD, STE. C, WARREN, OH 43087	
DESIGNER	
MAS	
REVIEWER	
XF 07/15/24	
PROJECT ID	
115675	
SHEET	TOTAL
P.14	227





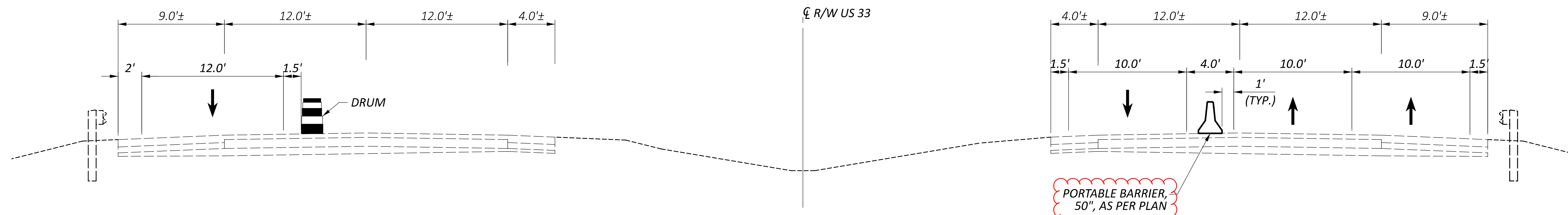
PORTABLE BARRIER,  
50", AS PER PLAN

PHASE 2 SECTION  
 STA. 473+50 TO STA. 488+50 (RAYMOND CONSTRUCTION)  
 STA. 600+00 TO STA. 608+50 (WALDO CONSTRUCTION)



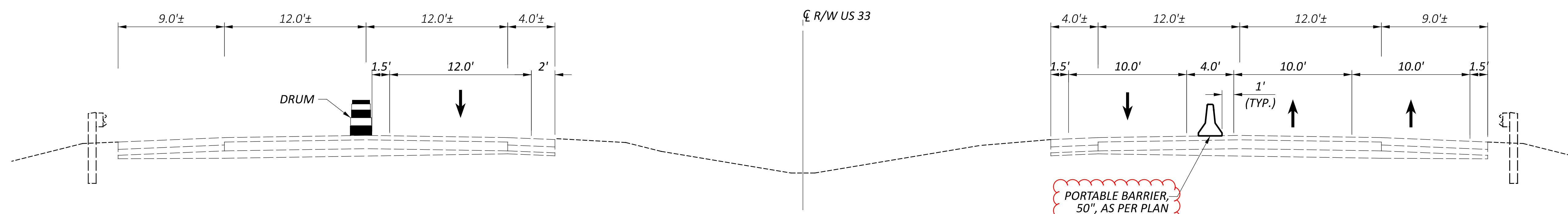
PORTABLE BARRIER,  
50", AS PER PLAN

PHASE 3 SECTION  
 STA. 473+50 TO STA. 488+50 (RAYMOND CONSTRUCTION)  
 STA. 600+00 TO STA. 608+50 (WALDO CONSTRUCTION)



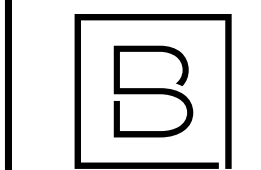
PORTABLE BARRIER,  
50", AS PER PLAN

PHASE 4 SECTION  
 STA. 473+50 TO STA. 488+50 (RAYMOND CONSTRUCTION)  
 STA. 600+00 TO STA. 608+50 (WALDO CONSTRUCTION)

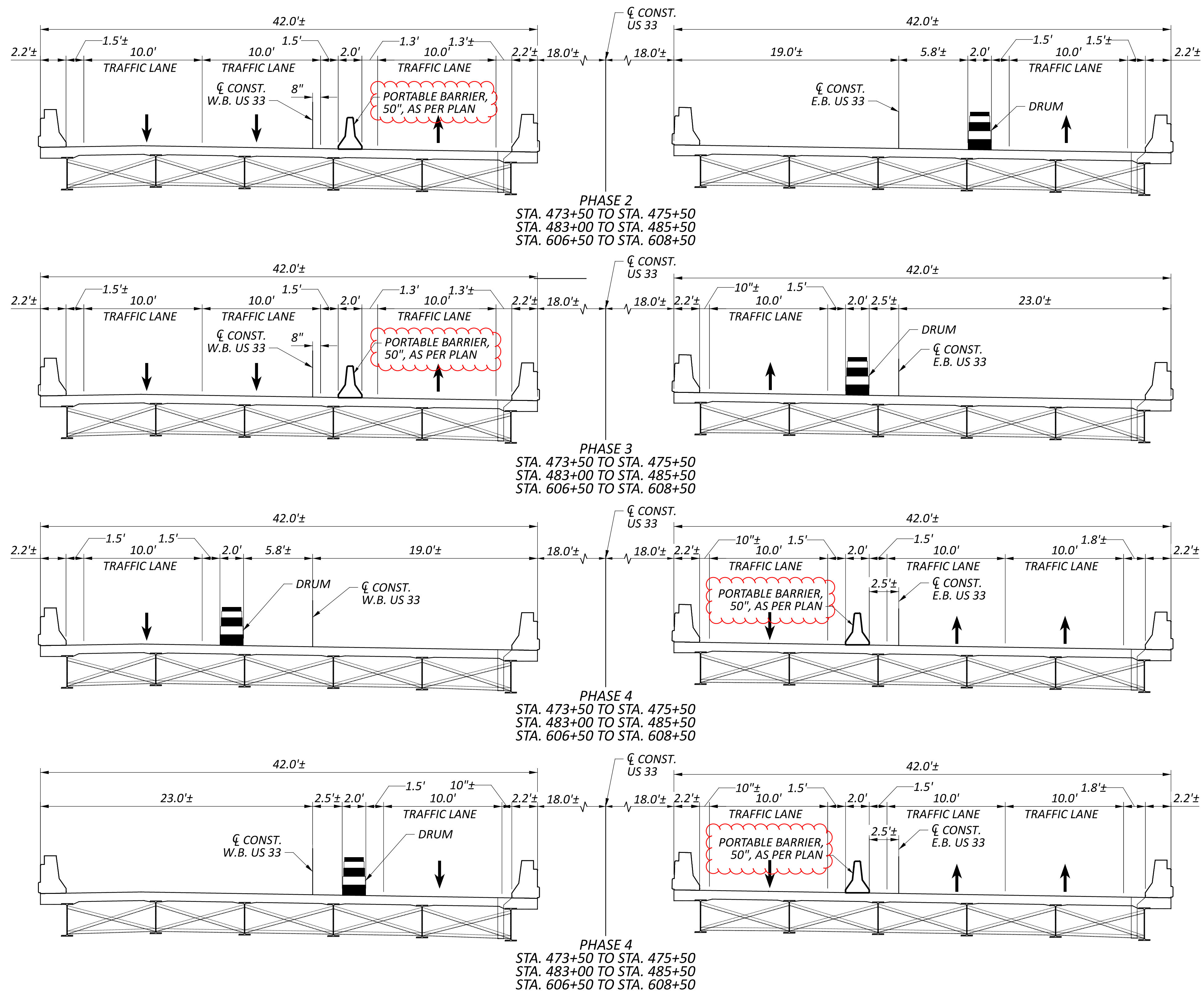


PORTABLE BARRIER,  
50", AS PER PLAN

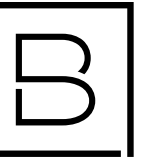
PHASE 5 SECTION  
 STA. 473+50 TO STA. 488+50 (RAYMOND CONSTRUCTION)  
 STA. 600+00 TO STA. 608+50 (WALDO CONSTRUCTION)



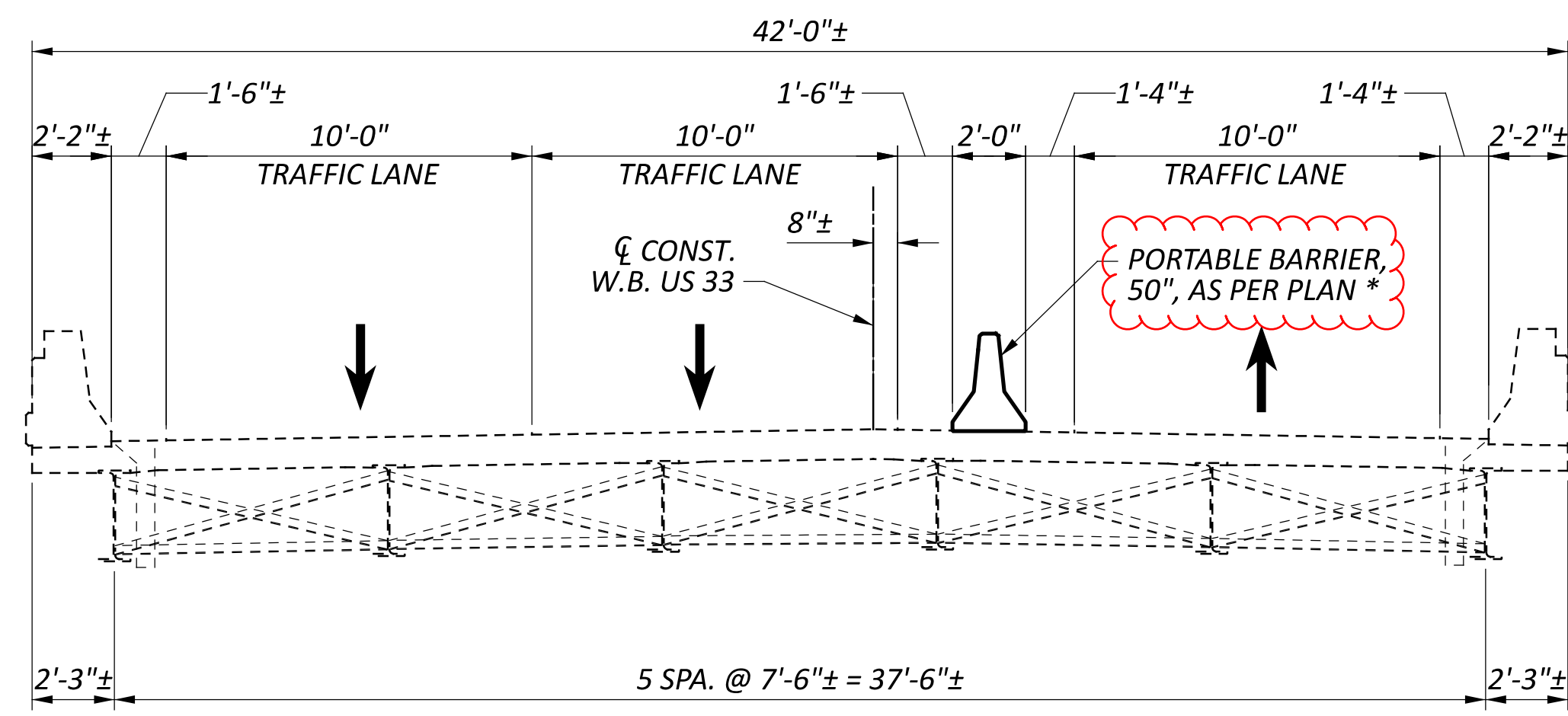




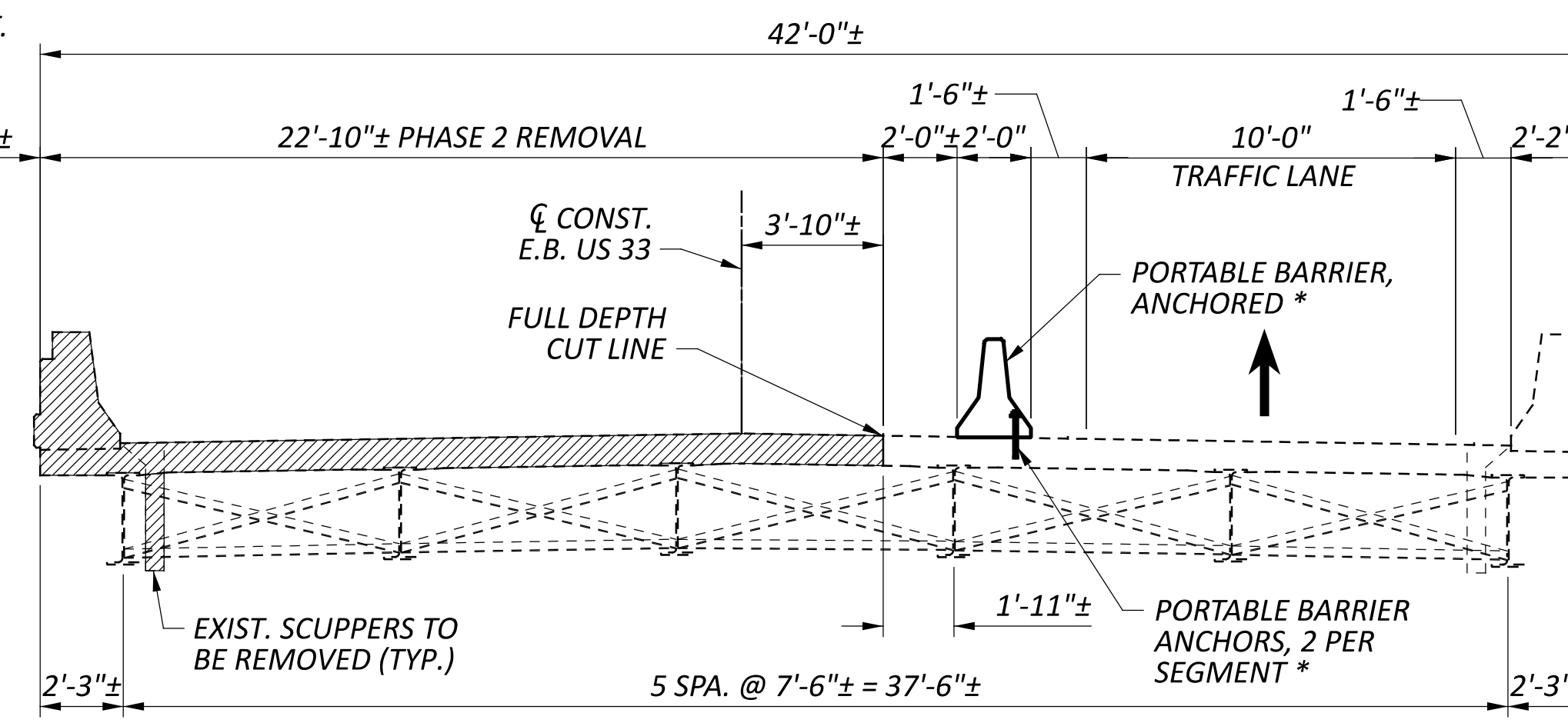
NOTE: REFER EACH BRIDGE STAGING PLANS ON SHEETS P.145-P.146 & P.188-P.189 FOR MOT TYPICAL SECTIONS ON PROPOSED BRIDGES.



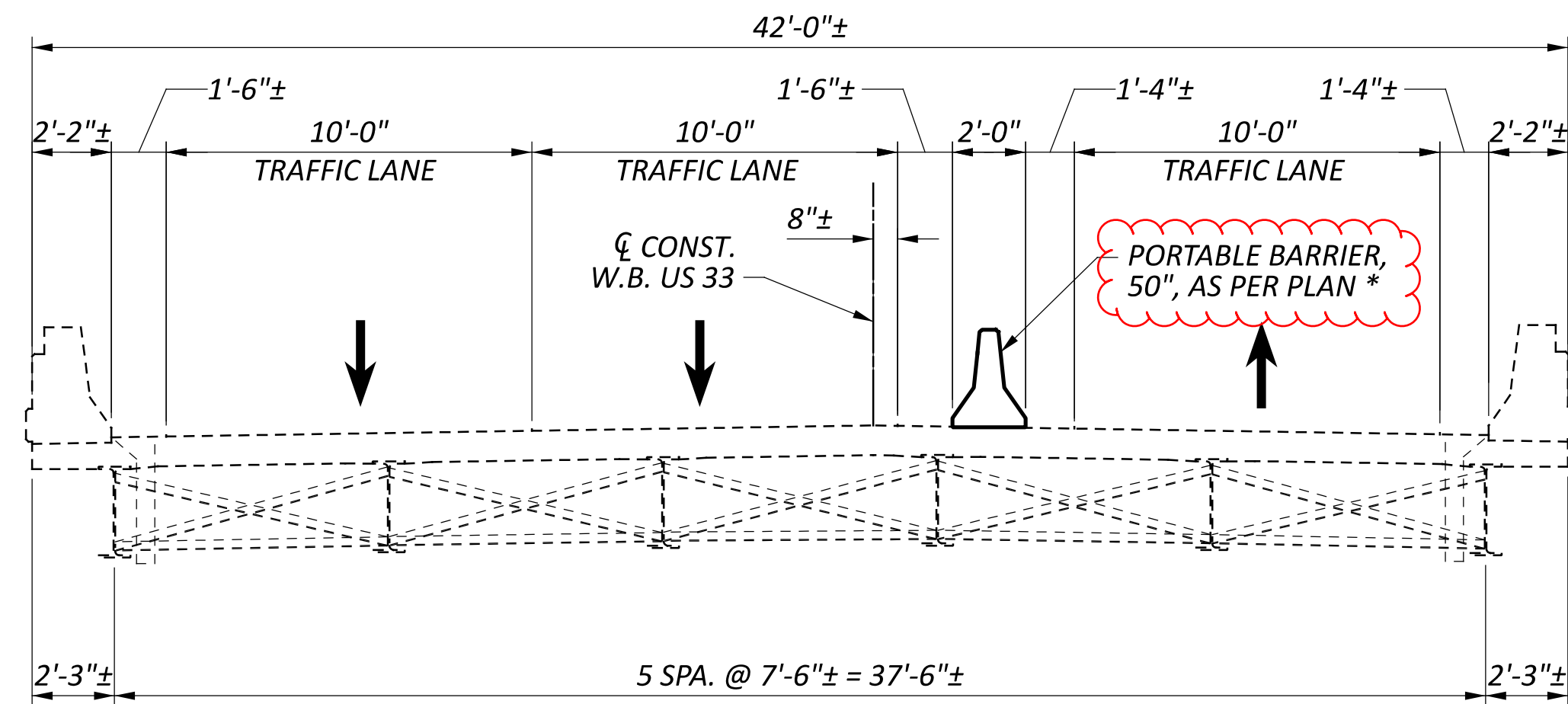




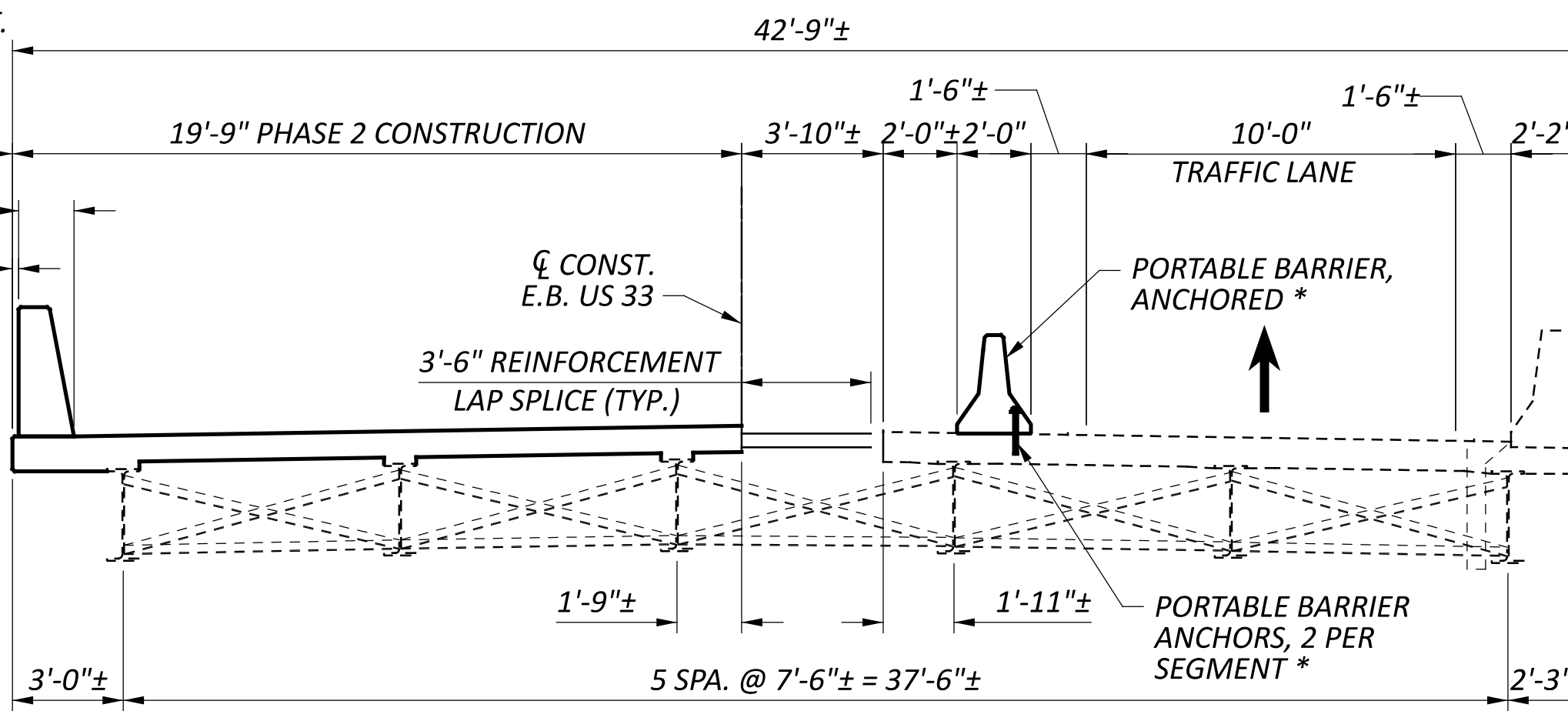
PHASE 2 REMOVAL



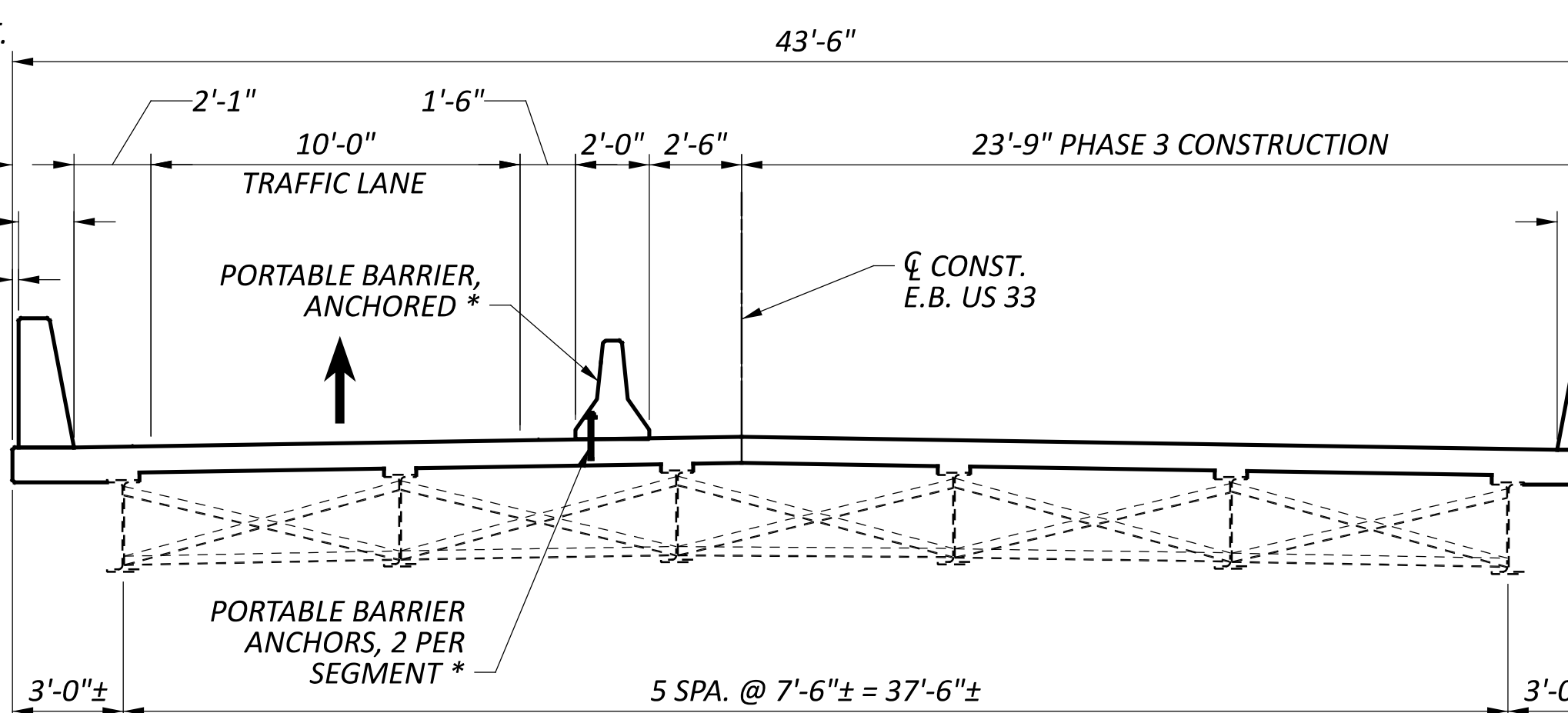
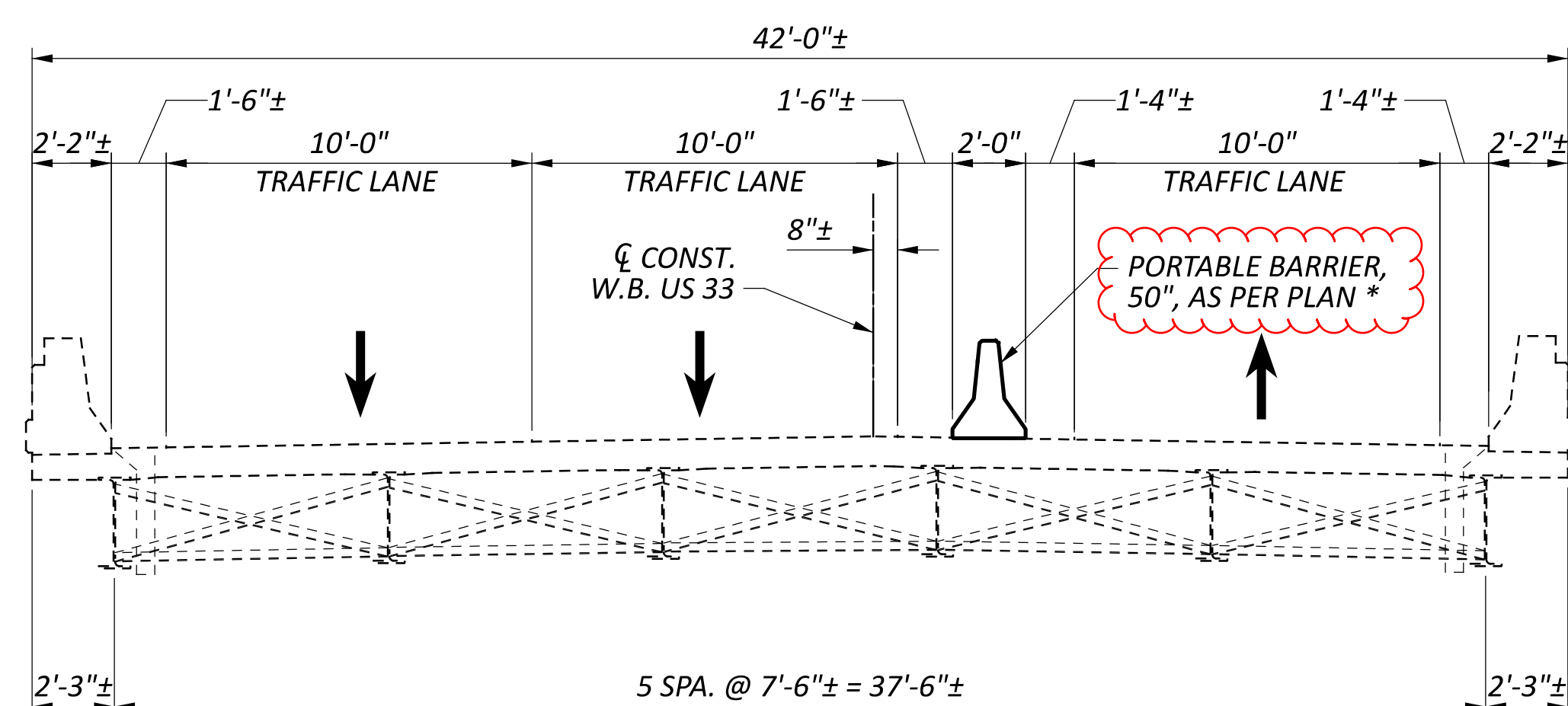
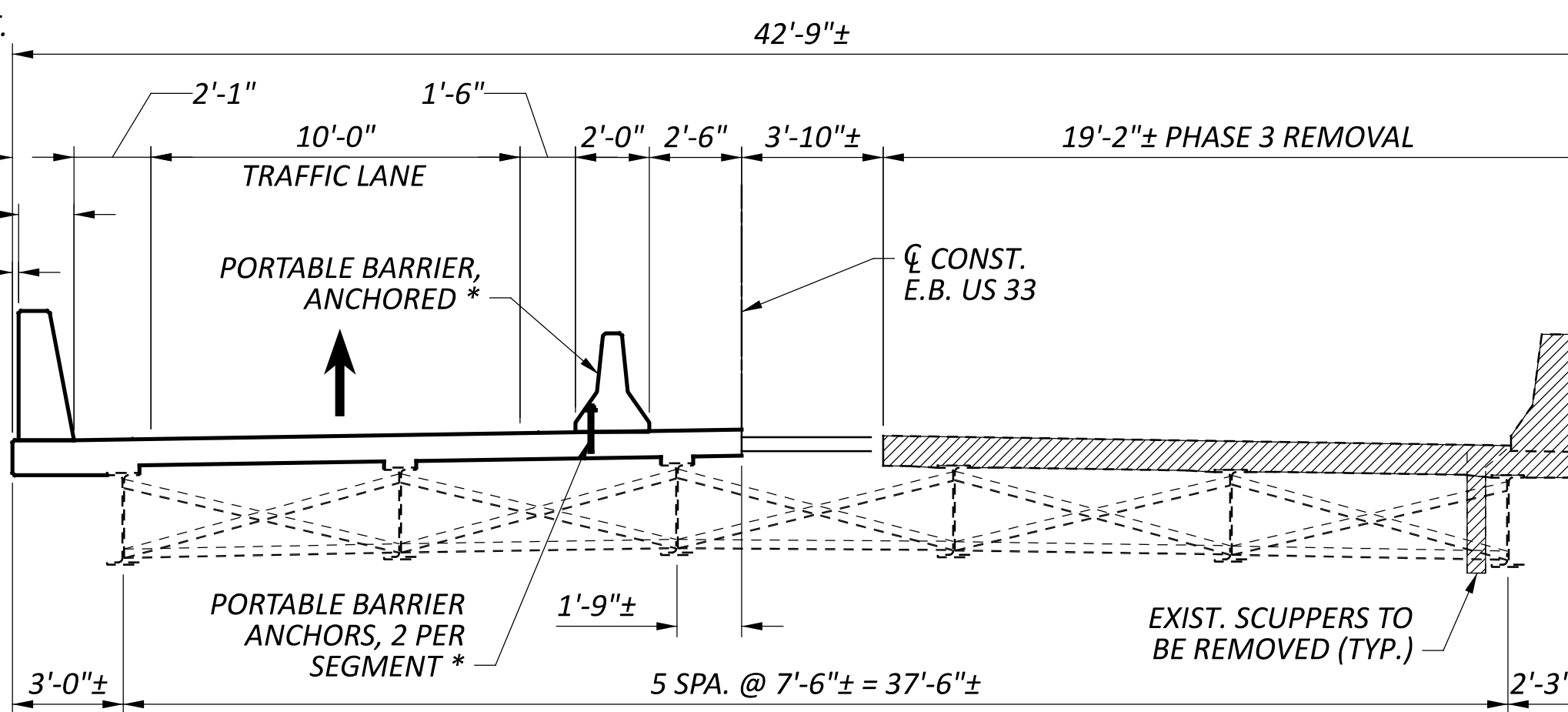
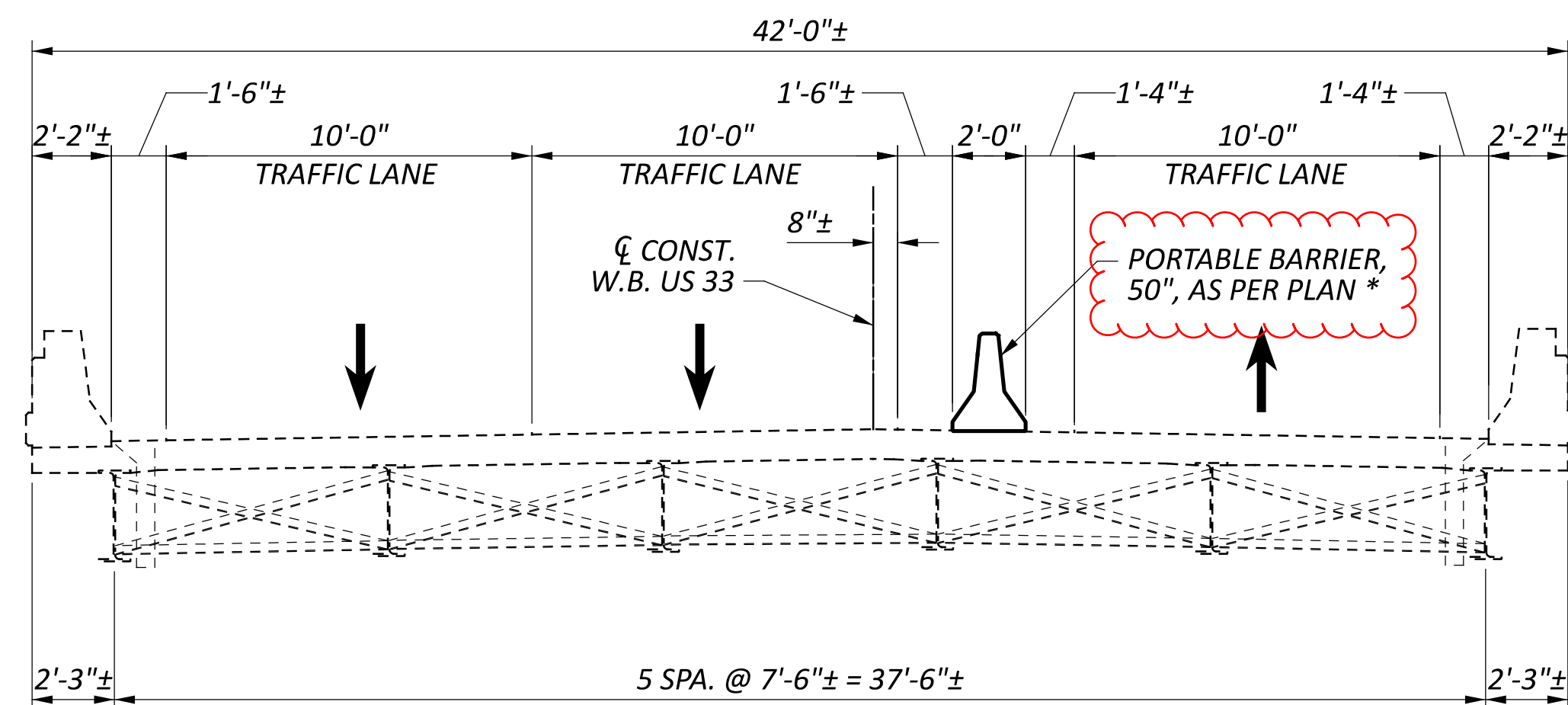
PHASE 2 CONSTRUCTION



PHASE 3 REMOVAL



PHASE 3 CONSTRUCTION



**LEGEND**

INDICATES PORTION OF STRUCTURE TO BE REMOVED

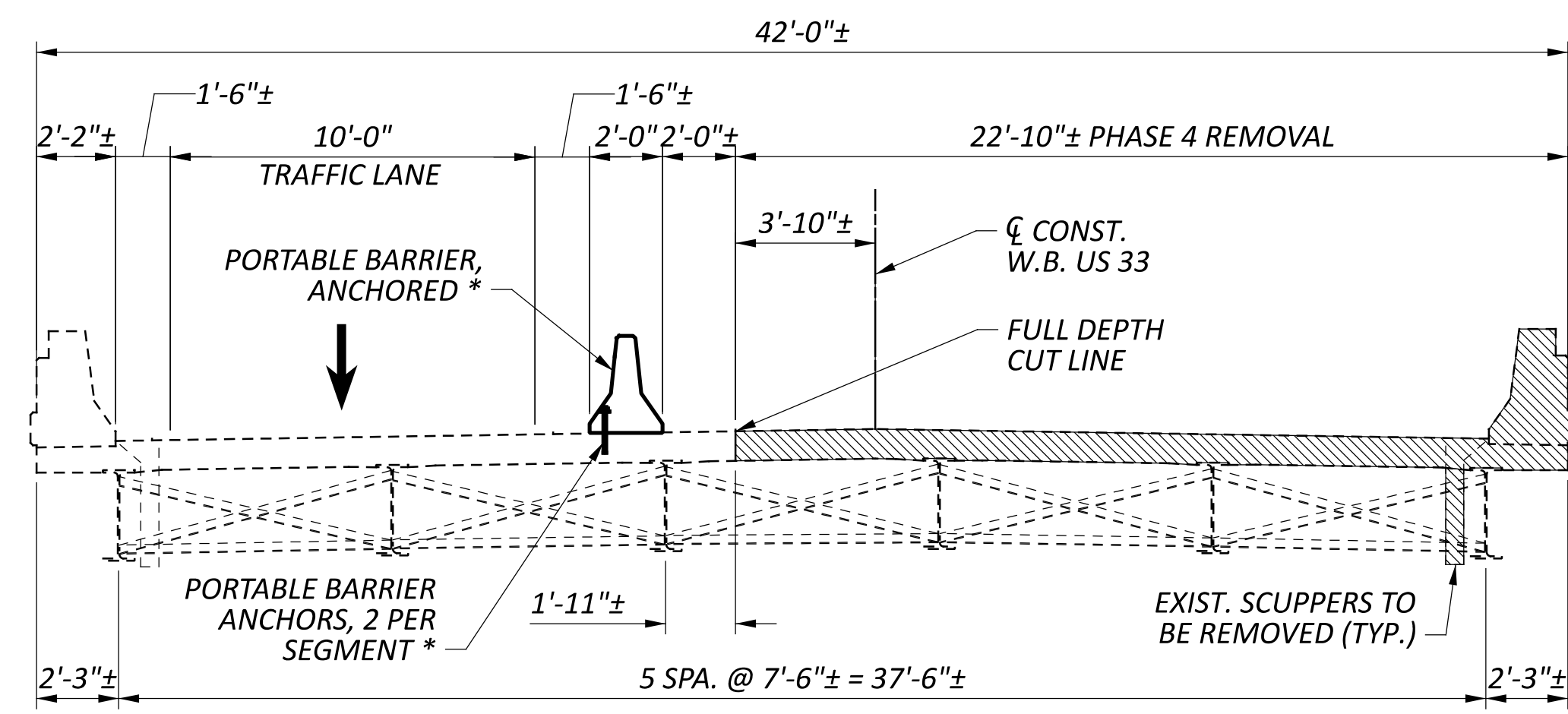
\* - INCLUDED IN ROADWAY QUANTITIES FOR PAYMENT

**NOTES**

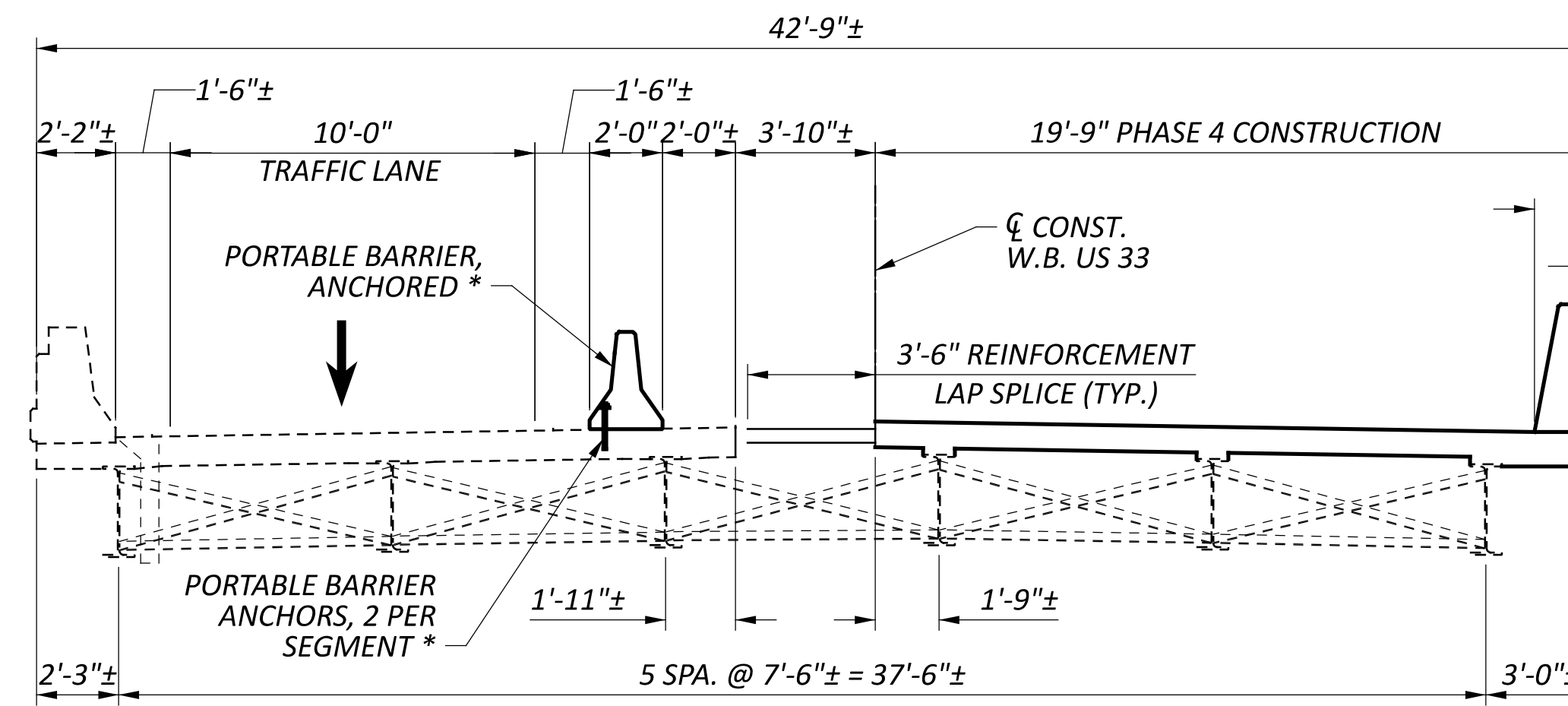
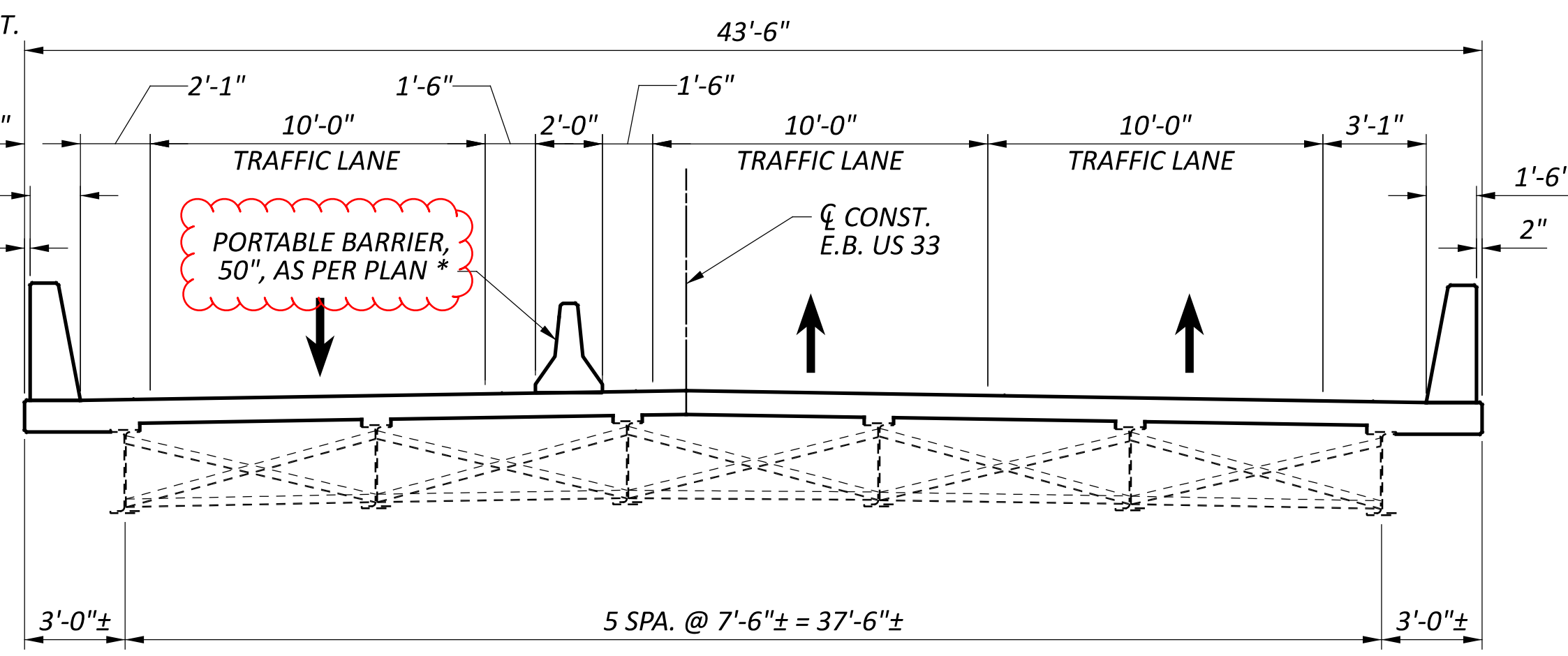
- SEE SHEET 6/89 FOR PHASE CONSTRUCTION NOTES
- SEE ROADWAY SHEETS 8-66 FOR GENERAL PLAN

SFN	8000905
SFN	8000964
DESIGN AGENCY	
DESIGNER	JAM
CHECKER	MJQ
REVIEWER	
PROJECT ID	115675
SUBSET	7
TOTAL	89
SHEET	P.145
TOTAL	227

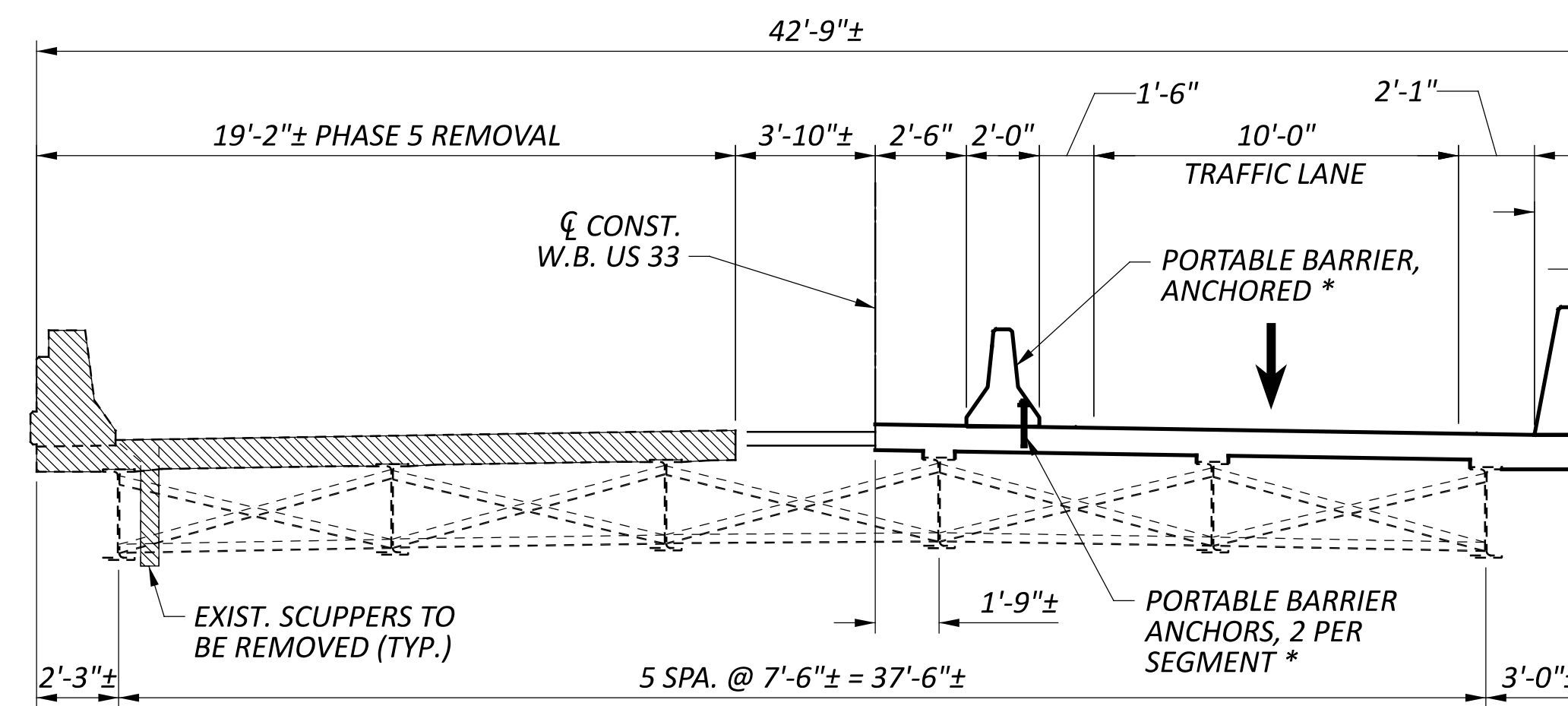
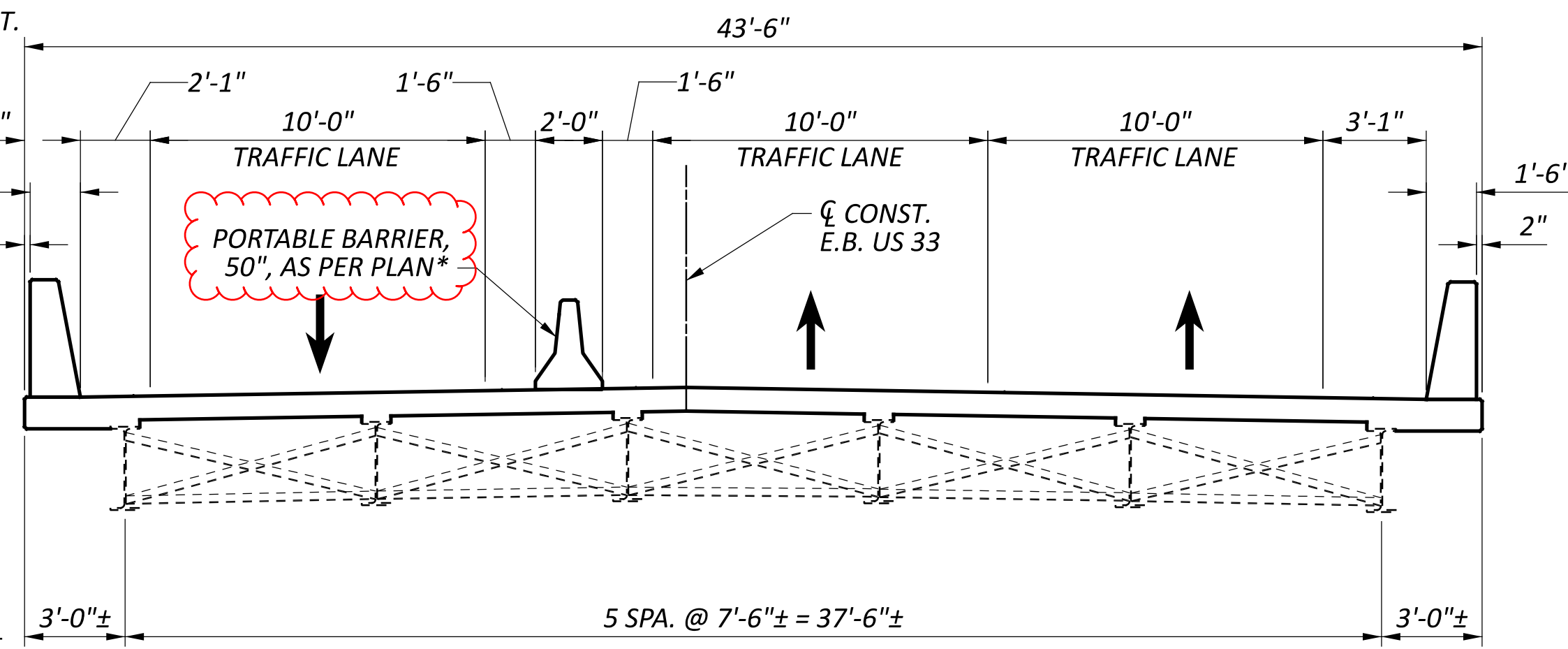




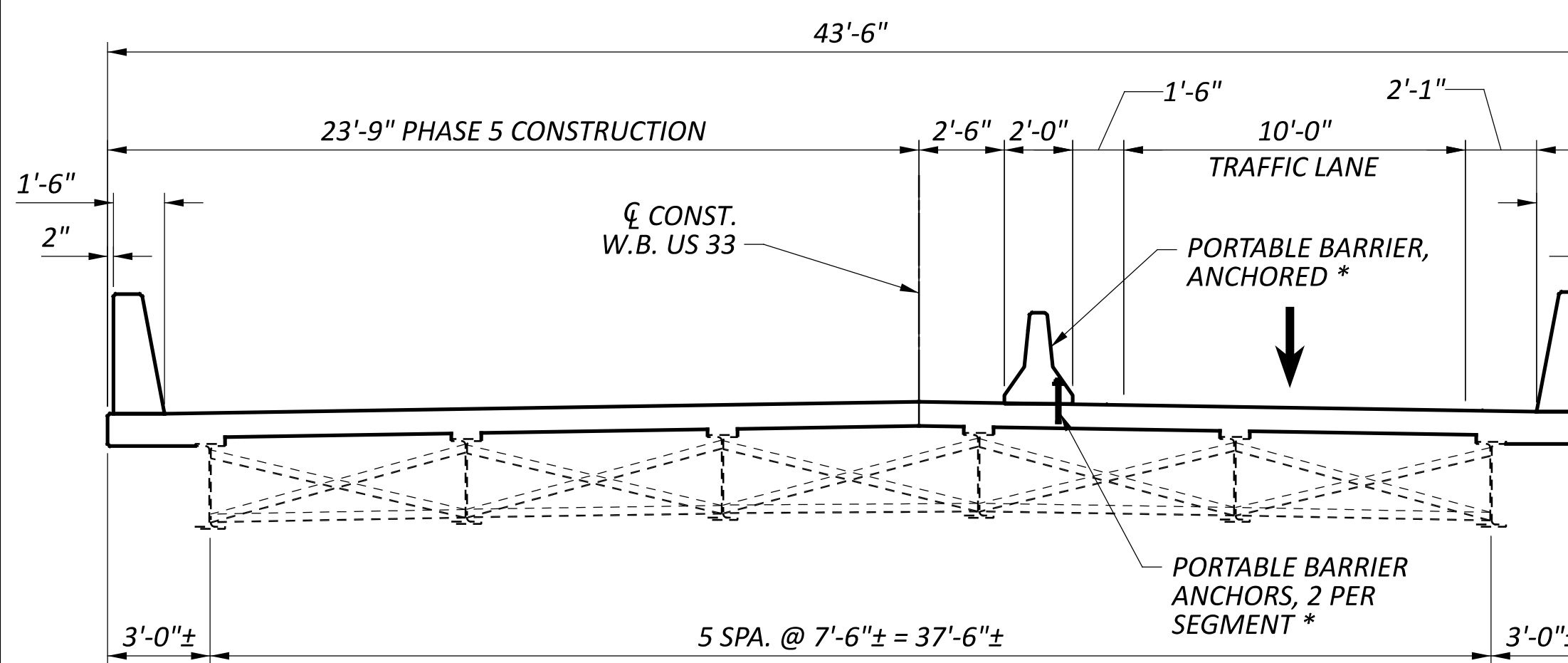
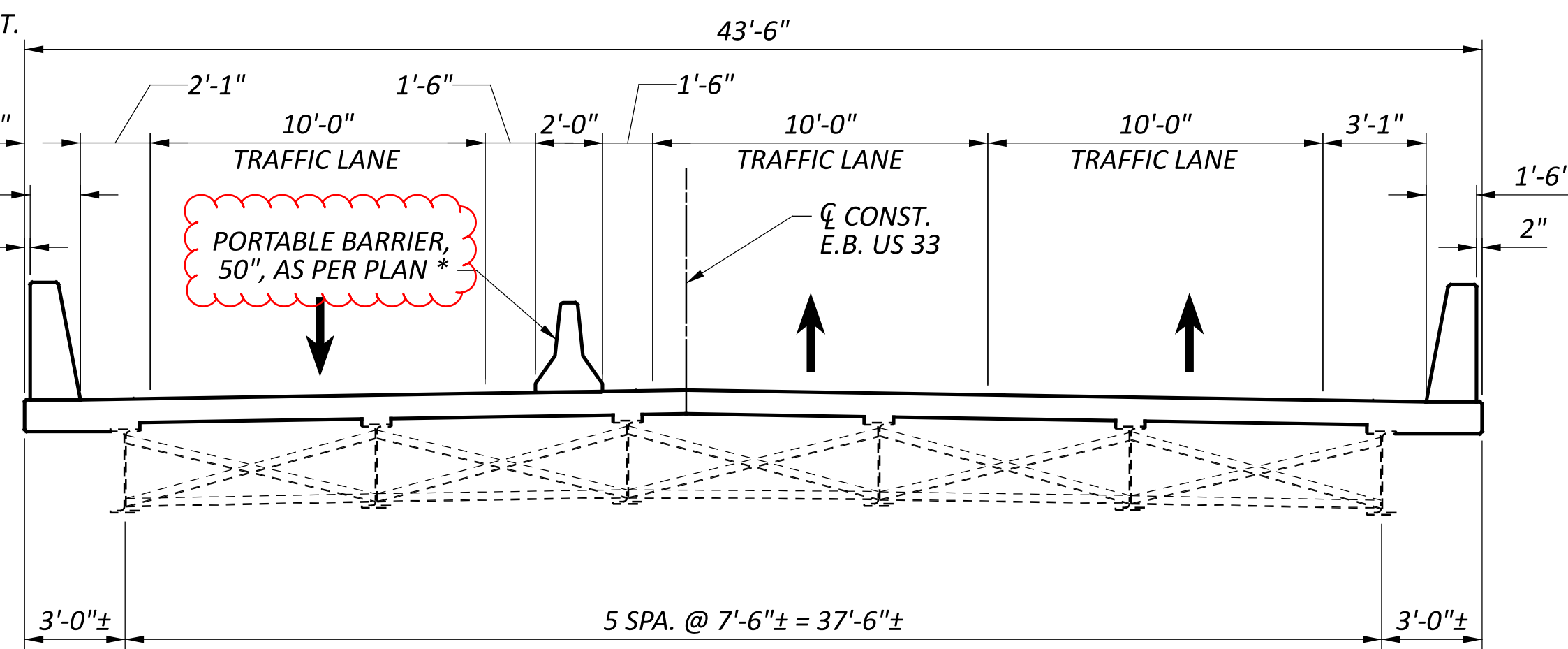
PHASE 4  
REMOVAL



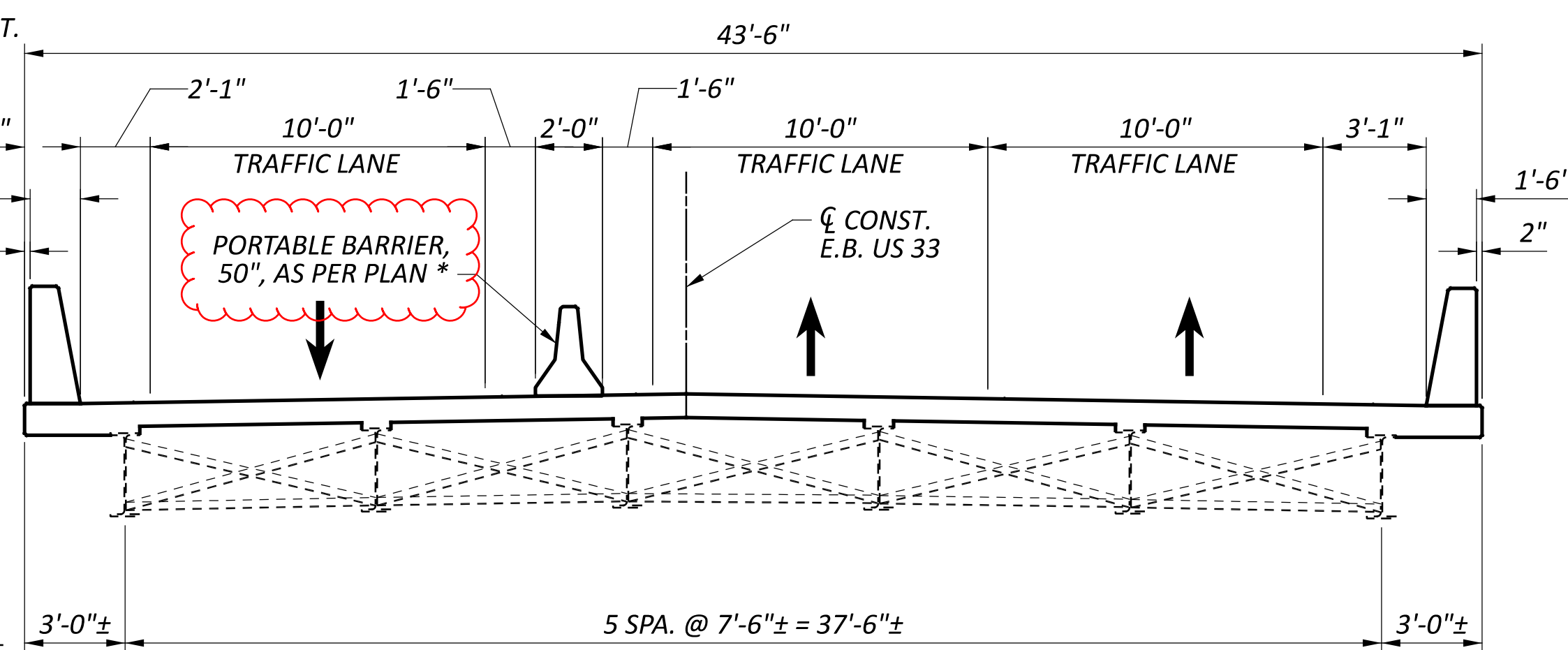
PHASE 4  
CONSTRUCTION



PHASE 5  
REMOVAL



PHASE 5  
CONSTRUCTION



**LEGEND**

INDICATES PORTION OF STRUCTURE TO BE REMOVED

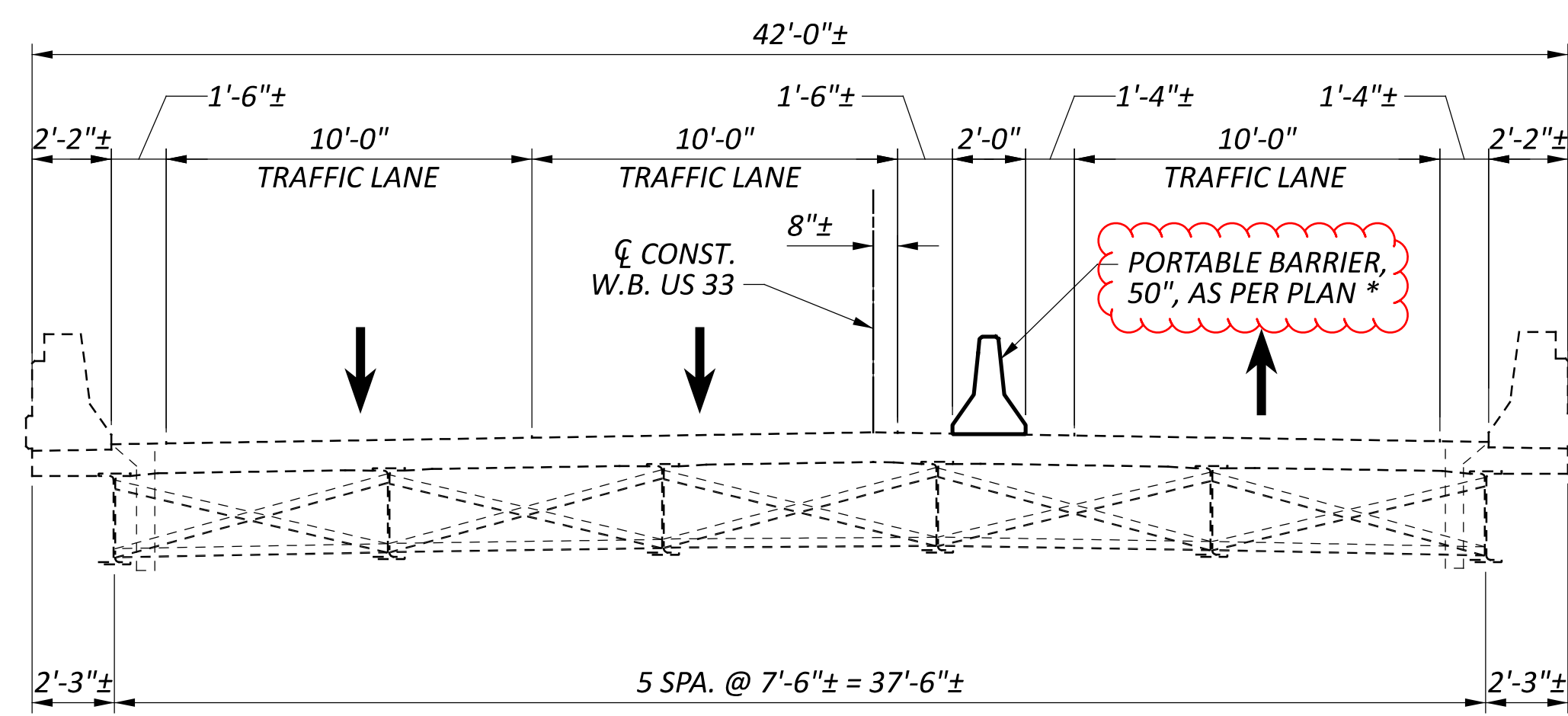
\* - INCLUDED IN ROADWAY QUANTITIES FOR PAYMENT

**NOTES**

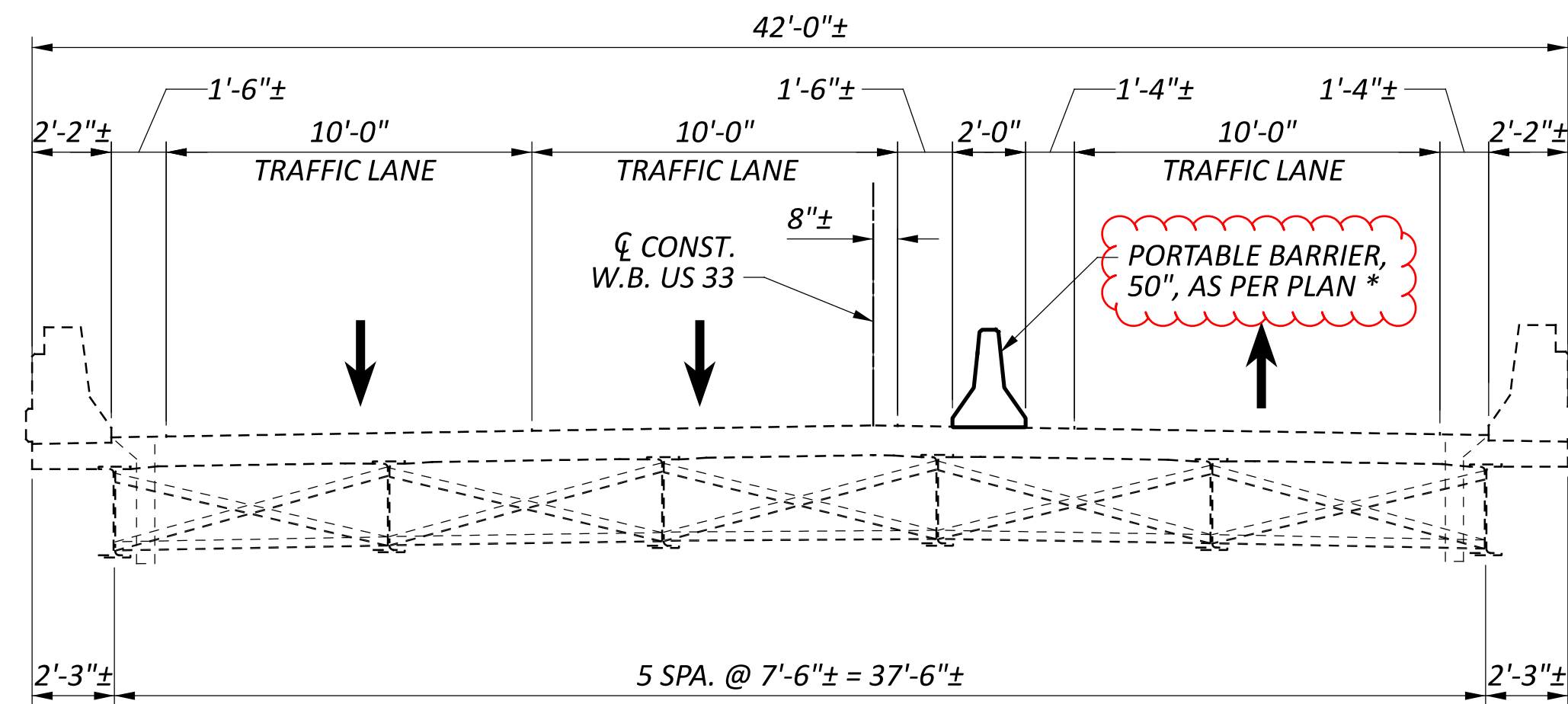
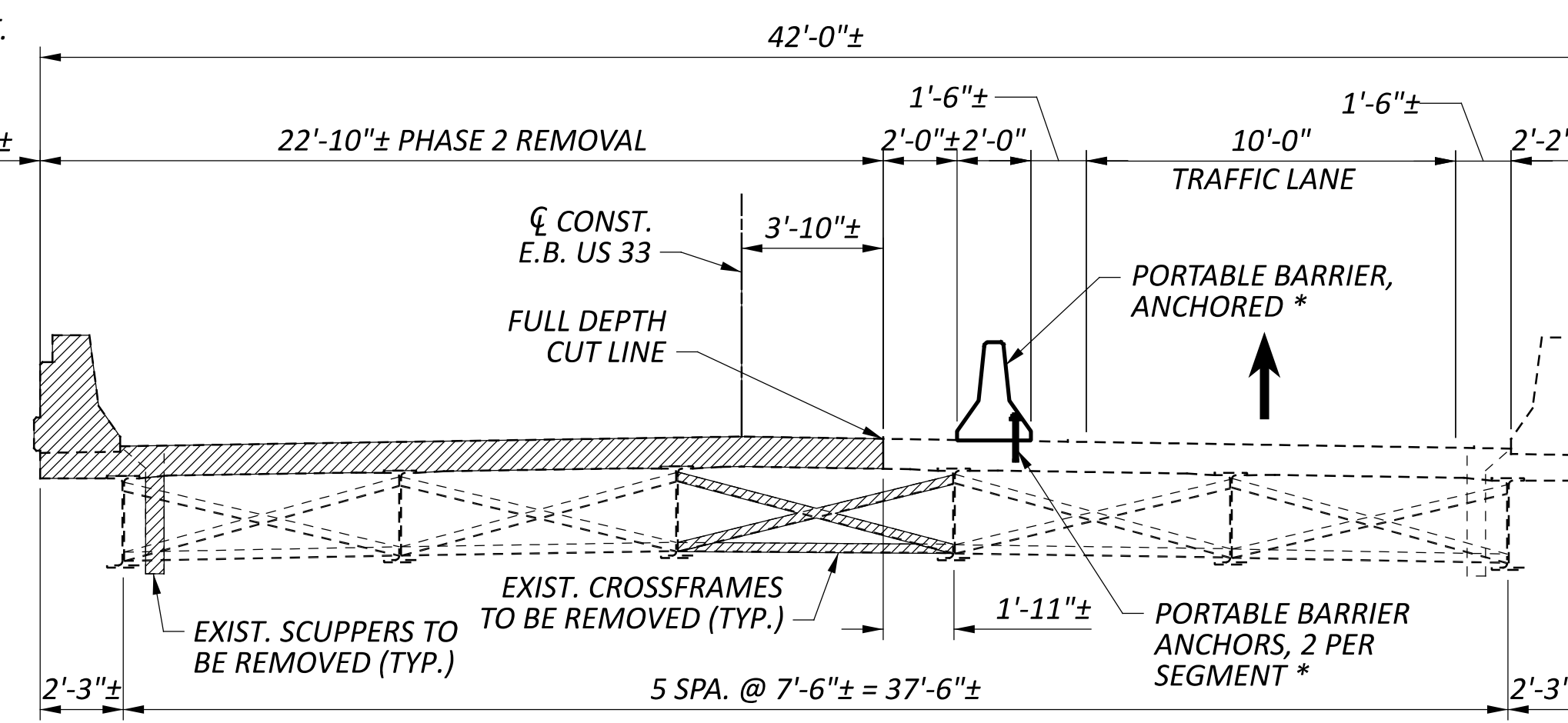
- SEE SHEET 6/89 FOR PHASE CONSTRUCTION NOTES
- SEE ROADWAY SHEETS 8-66 FOR GENERAL PLAN
- UPON COMPLETION OF PHASE 5 CONSTRUCTION AND REMOVAL OF THE BRIDGE MOUNTED PORTABLE BARRIER, FILL THE ANCHOR HOLES WITH 705.20 GROUT, THEN SEAL THE GROUTED ANCHOR HOLES WITH HMWM RESIN. COST OF THIS WORK WILL BE PAID UNDER ITEM SPECIAL STRUCTURES: GROUT AND SEAL PORTABLE BARRIER ANCHOR HOLES.

SFN	8000905
SFN	8000964
DESIGN AGENCY	
DESIGNER	JAM
CHECKER	MJQ
REVIEWER	
PROJECT ID	115675
SUBSET	8
TOTAL	89
SHEET	P.146
TOTAL	227

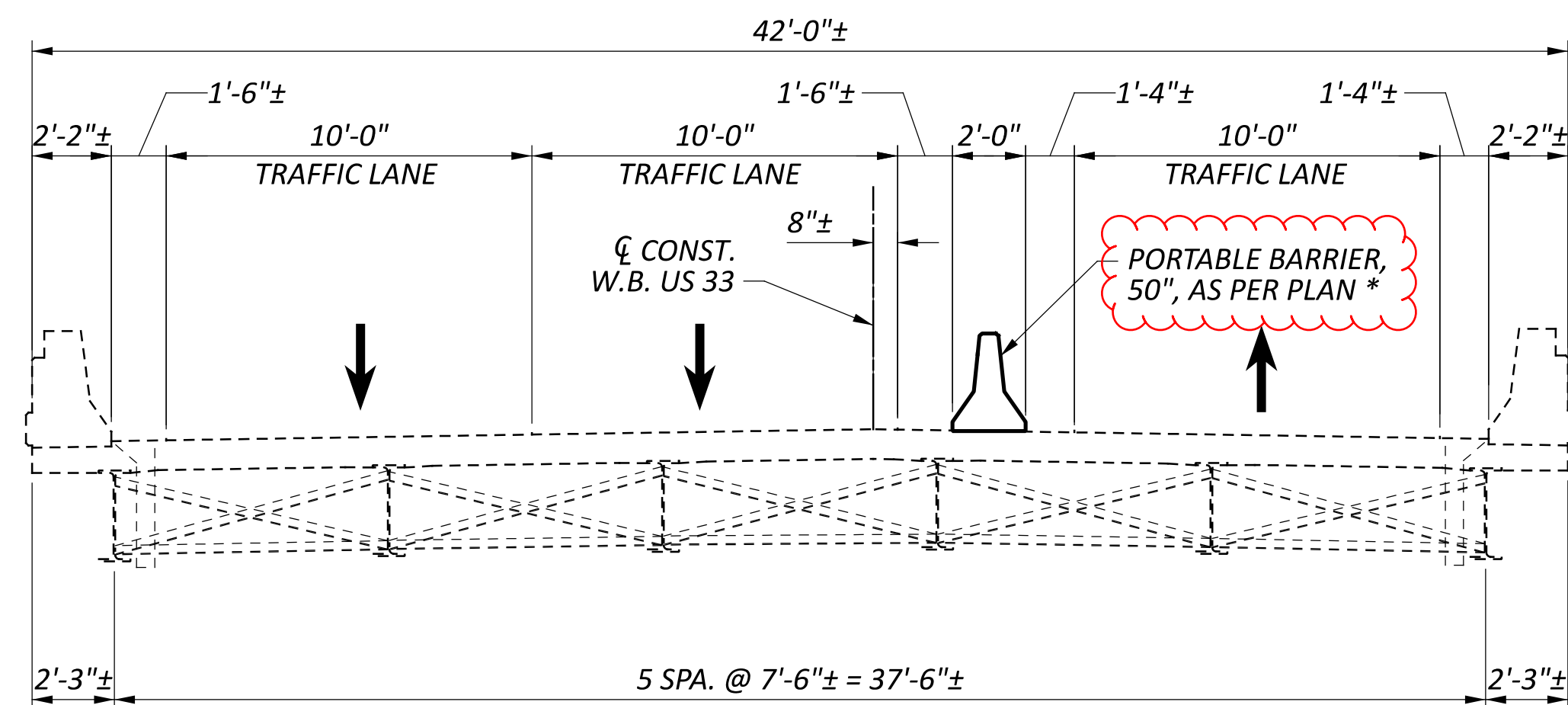
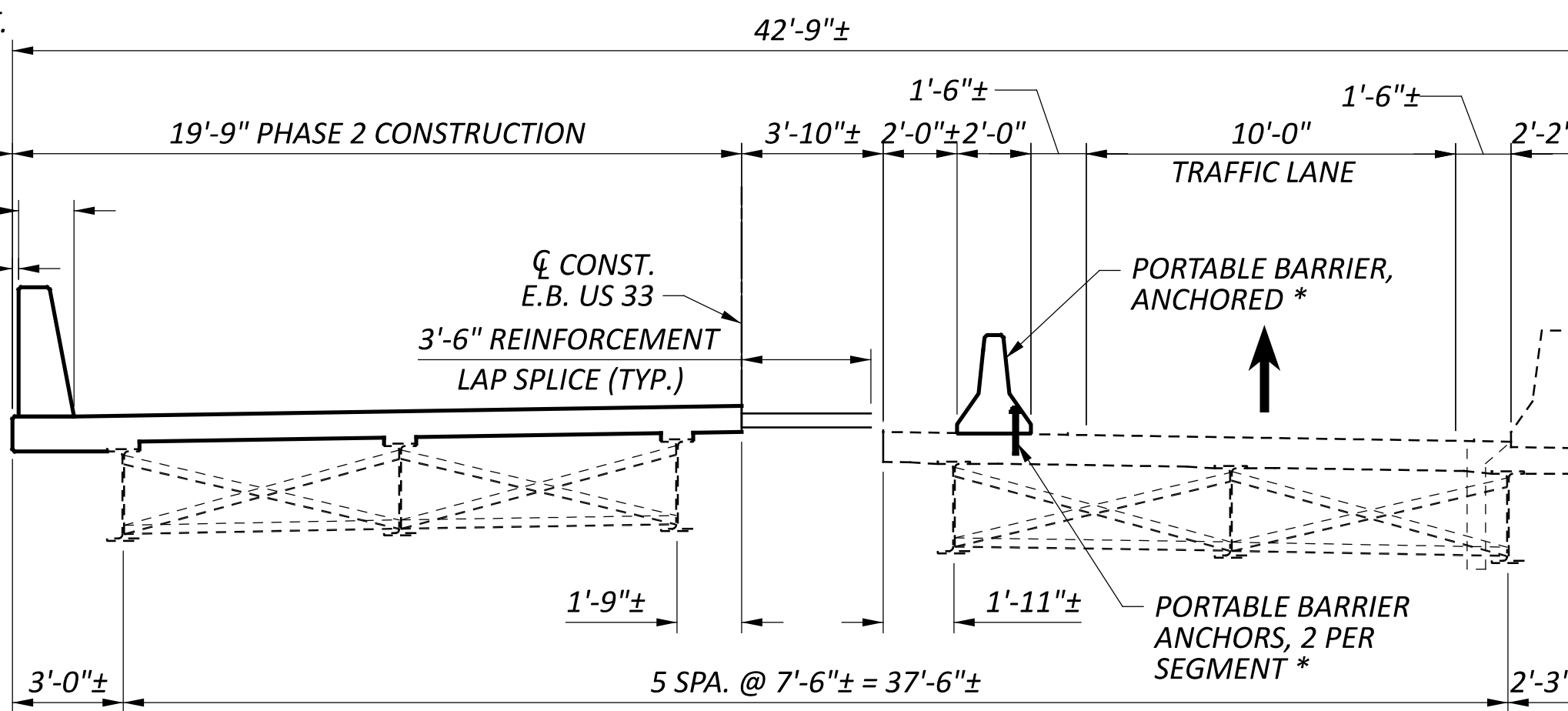




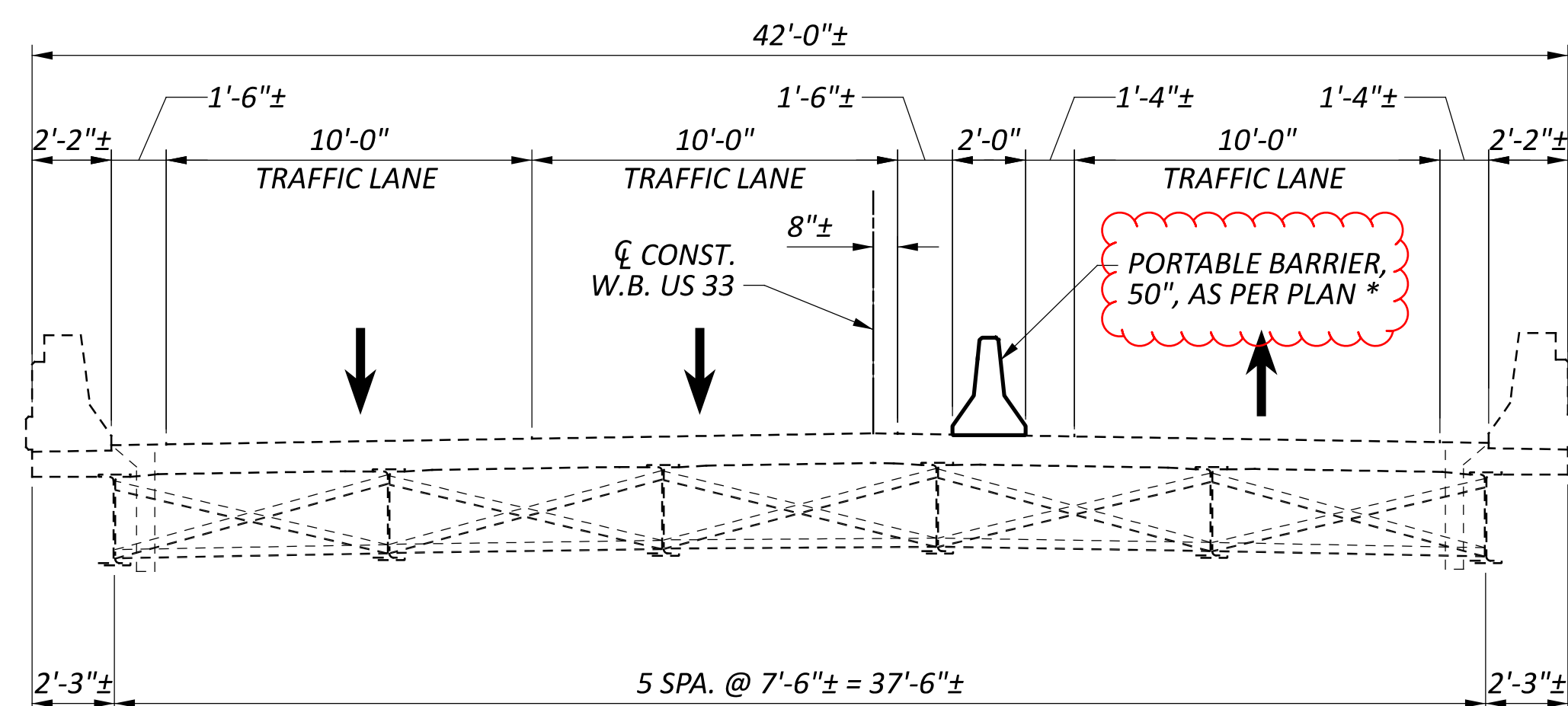
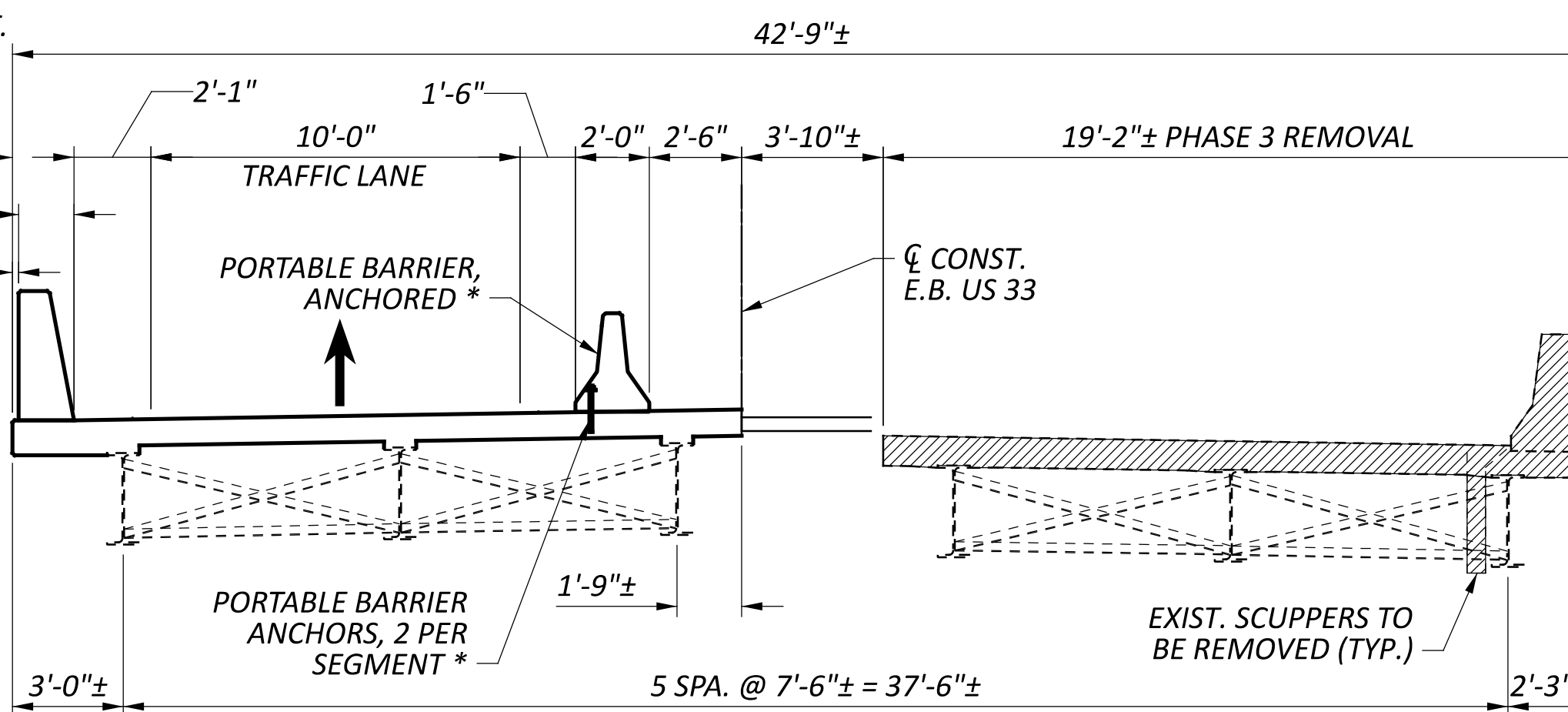
PHASE 2 REMOVAL



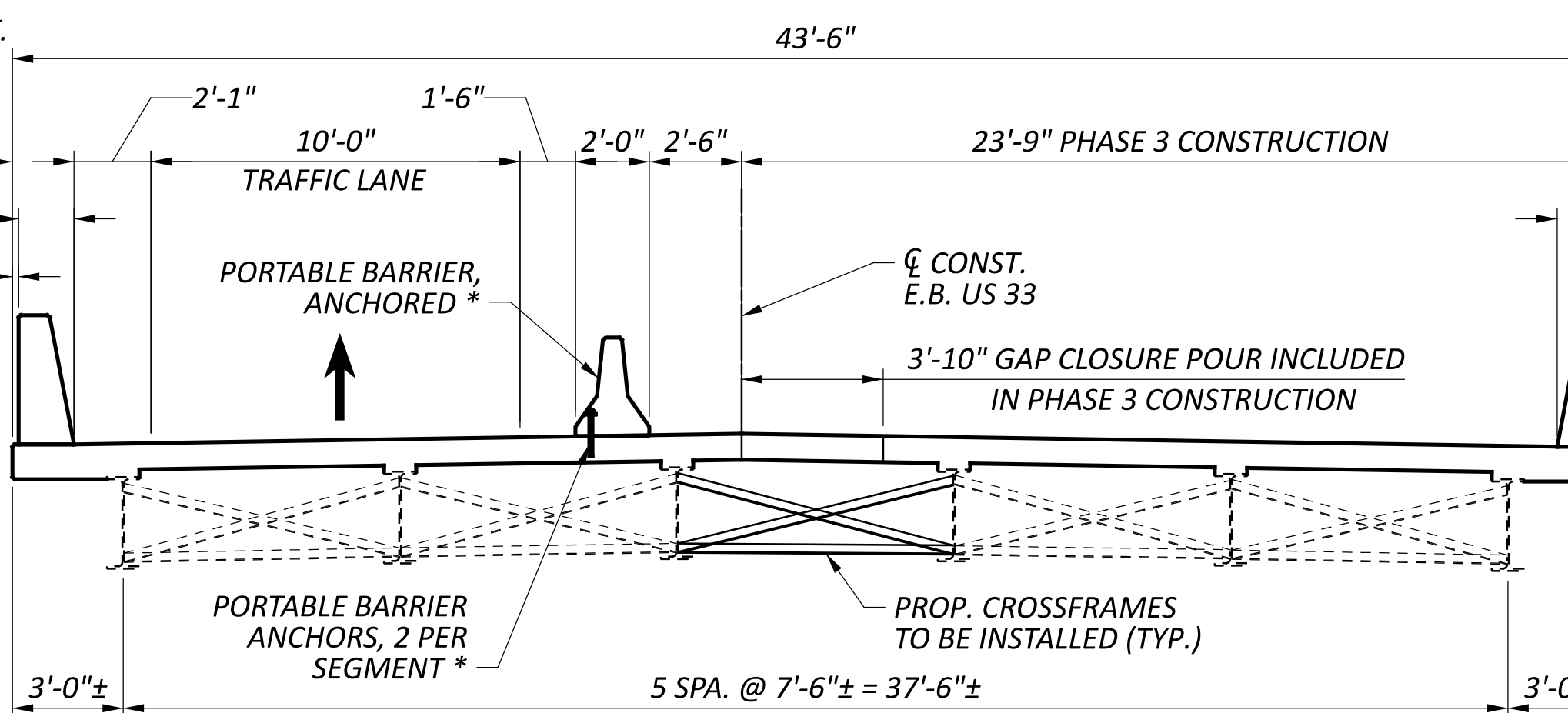
PHASE 2 CONSTRUCTION



PHASE 3 REMOVAL



PHASE 3 CONSTRUCTION



**LEGEND**

INDICATES PORTION OF STRUCTURE TO BE REMOVED

\* - INCLUDED IN ROADWAY QUANTITIES FOR PAYMENT

**NOTES**

- SEE SHEET 49/89 FOR PHASE CONSTRUCTION NOTES
- SEE ROADWAY SHEETS 8-66 FOR GENERAL PLAN

SFN	8001057
SFN	8001081
DESIGN AGENCY	
DESIGNER	JAM
CHECKER	MJQ
REVIEWER	
PROJECT ID	115675
SUBSET	50
TOTAL	89
SHEET	P.188
TOTAL	227







SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
P.8	P.9	P.10	P.11	P.12	P.13						01/NHS/ 13	EXT	TOTAL				
					1,325						1,325	SPECIAL	61412200	1,325	FT	<b>MAINTENANCE OF TRAFFIC</b>	P.10
			10	8	8						26	614	12384	26	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
	LS										LS	614	12420	LS		DETOUR SIGNING	
35											35	614	12484	35	EACH	WORK ZONE INCREASED PENALTIES SIGN	
		4									4	614	12756	4	EACH	WORK ZONE CROSSOVER LIGHTING SYSTEM	
			460	450	296						1,206	614	13310	1,206	EACH	BARRIER REFLECTOR, TYPE 1, 1 WAY	
			72	69	79						220	614	13350	220	EACH	OBJECT MARKER, ONE WAY	
			1.46	1.53							2.99	614	20056	2.99	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
		6.2									6.2	614	20366	6.2	MILE	WORK ZONE LANE LINE, CLASS I, 6", 648	
			15.13	15.18	8.95						39.26	614	22056	39.26	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT	
		11.7									11.7	614	22336	11.7	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 648	
			4,013	3,890	9,731						17,634	614	23100	17,634	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 807 PAINT	
			5,437	5,165	1,622						12,224	614	24102	12,224	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT	
LS				5,182	4,633						LS	615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
											9,815	615	20000	9,815	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
33											33	616	10000	33	MGAL	WATER	
		13,510	9,923	9,580	5,383						38,396	622	41011	38,396	FT	PORTABLE BARRIER, 50", AS PER PLAN	P.9
			3,910	3,720	2,900						10,530	622	41110	10,530	FT	PORTABLE BARRIER, ANCHORED	
255											255	808	18700	255	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
																<b>STRUCTURE OVER 20 FOOT SPAN (UNI-33-9.10 &amp; UNI-33-11.50)</b>	
																SEE SHEET P.143 FOR UNI-33-9.10 STRUCTURE SUMMARY	
																SEE SHEET P.186 FOR UNI-33-11.50 STRUCTURE SUMMARY	
																<b>INCIDENTALS</b>	
											LS	108	10000	LS		CPM PROGRESS SCHEDULE	P.7A
											LS	614	11000	LS		MAINTAINING TRAFFIC	
											39	619	16020	39	MNTH	FIELD OFFICE, TYPE C	
											LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
											LS	624	10000	LS		MOBILIZATION	
											LS	878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	

DESIGN AGENCY  
  
**BERGMANN**  
 ARCHITECTS ENGINEERS PLANNERS  
340 BRIMFIELD BLVD, STE C, WARE, OH 45377

DESIGNER  
 JTO

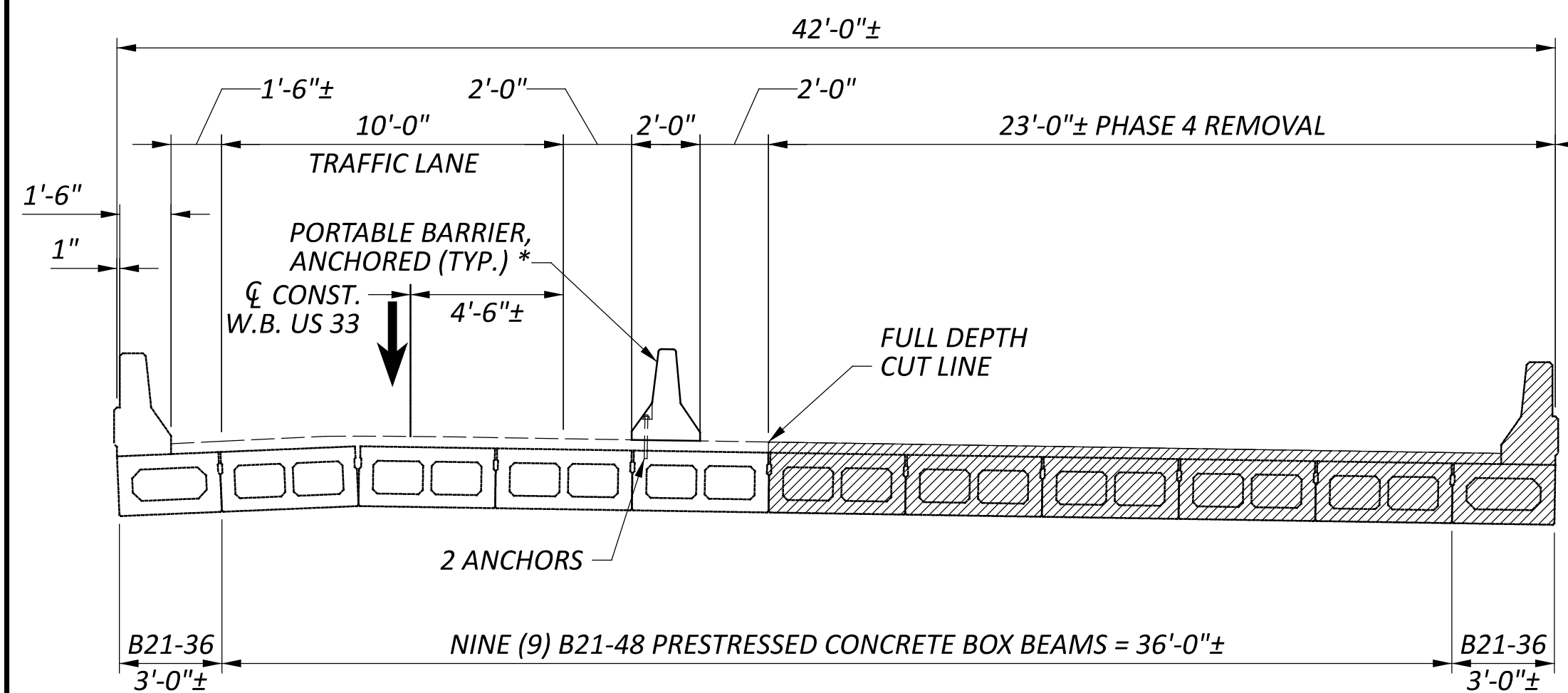
REVIEWER  
 XF 07/15/24

PROJECT ID  
 115675

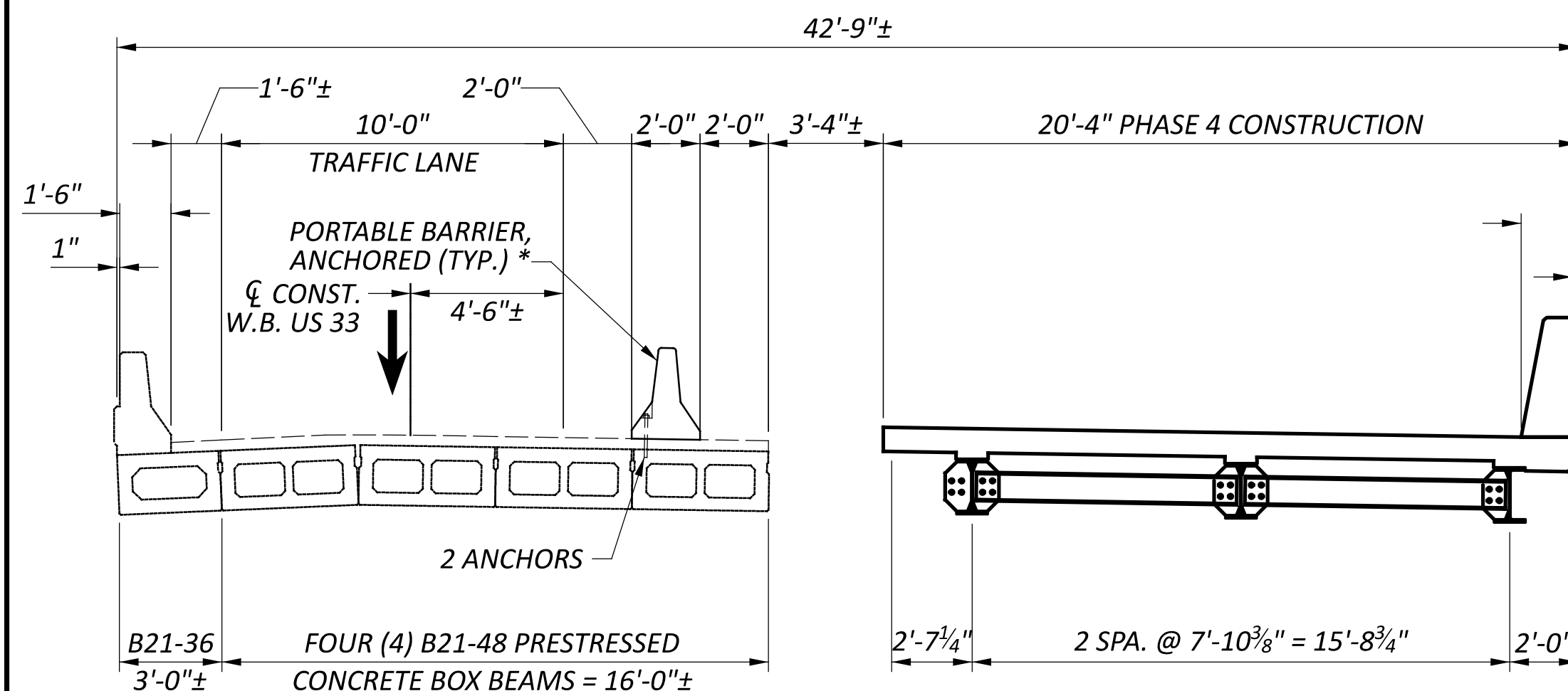
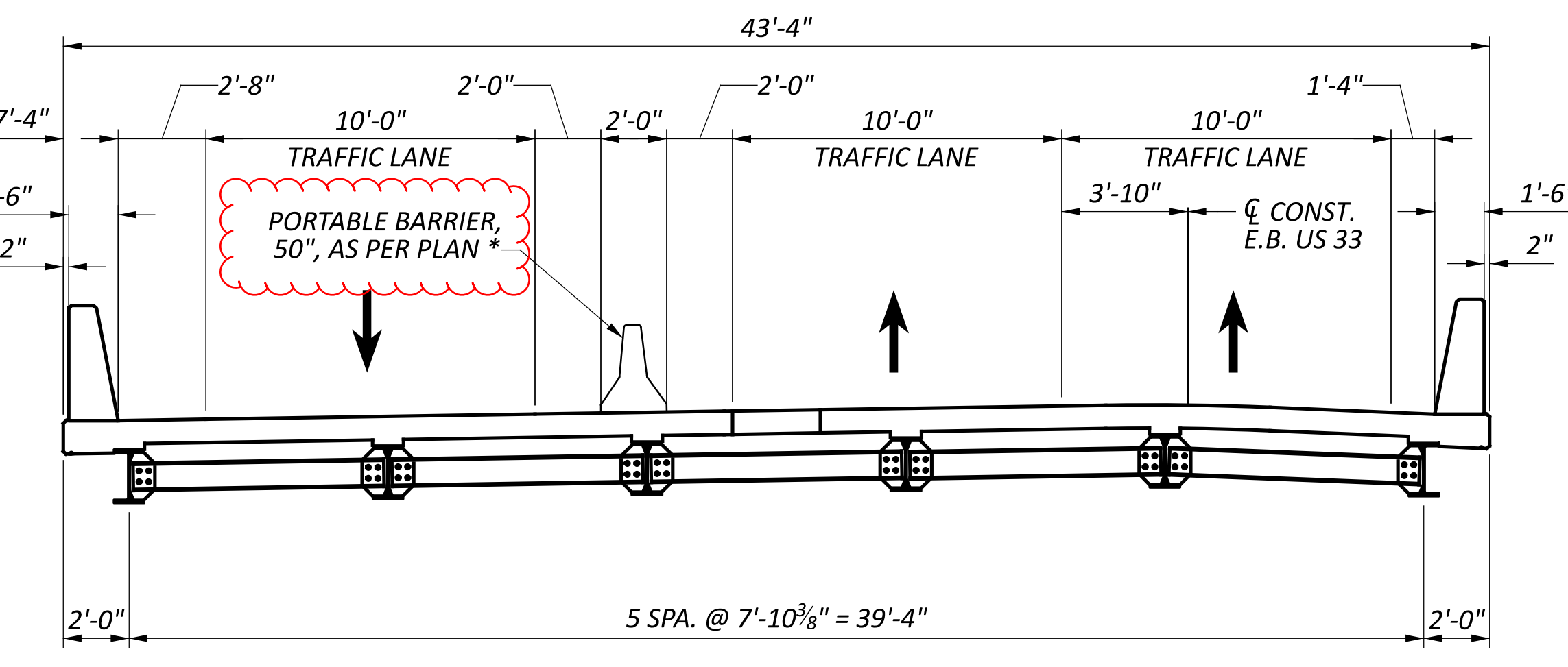
SHEET TOTAL  
 P.68 | 227



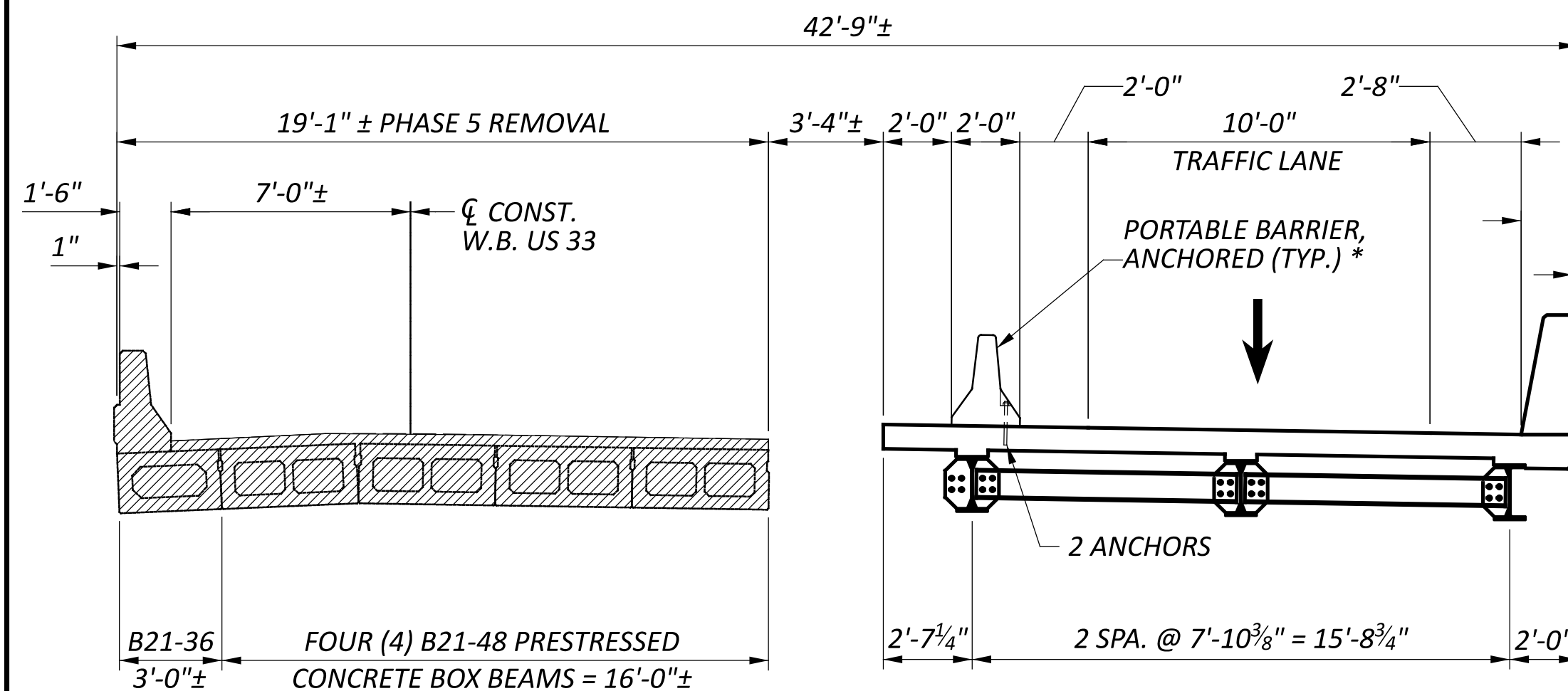
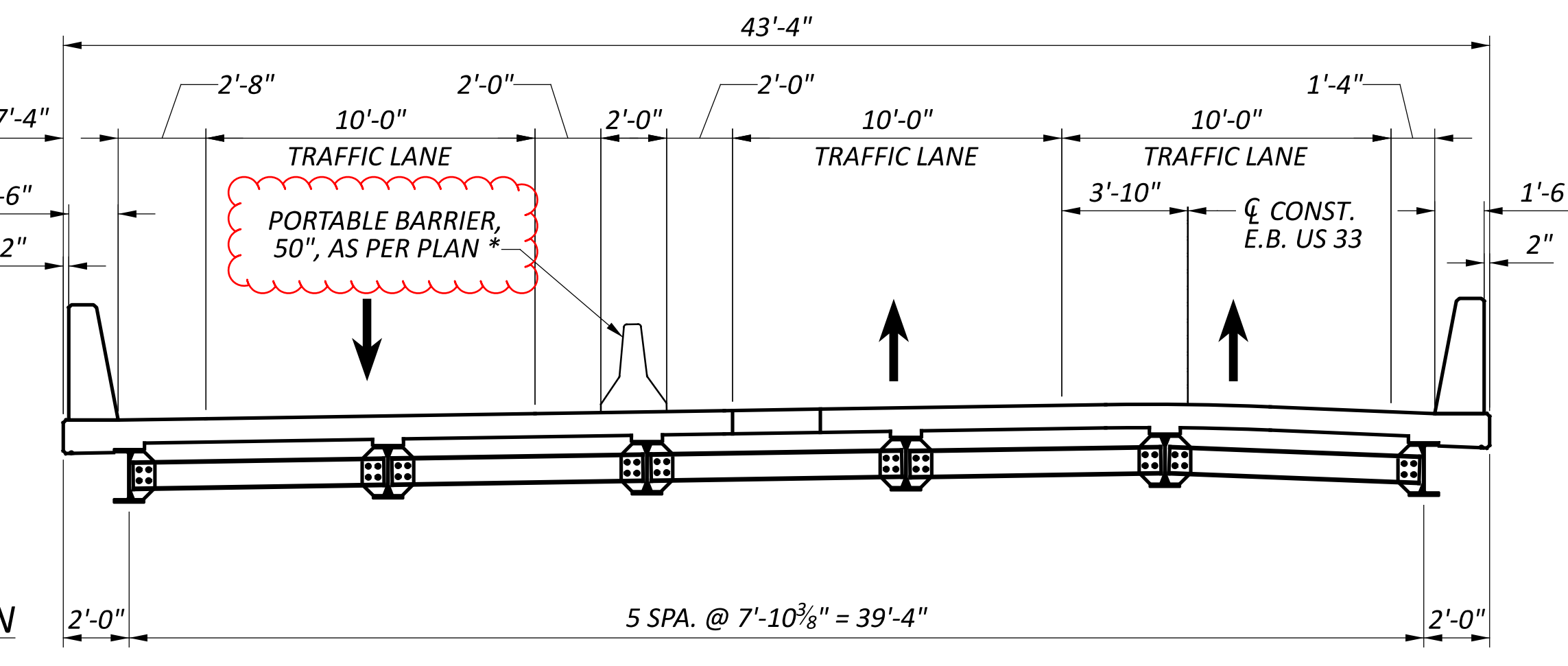




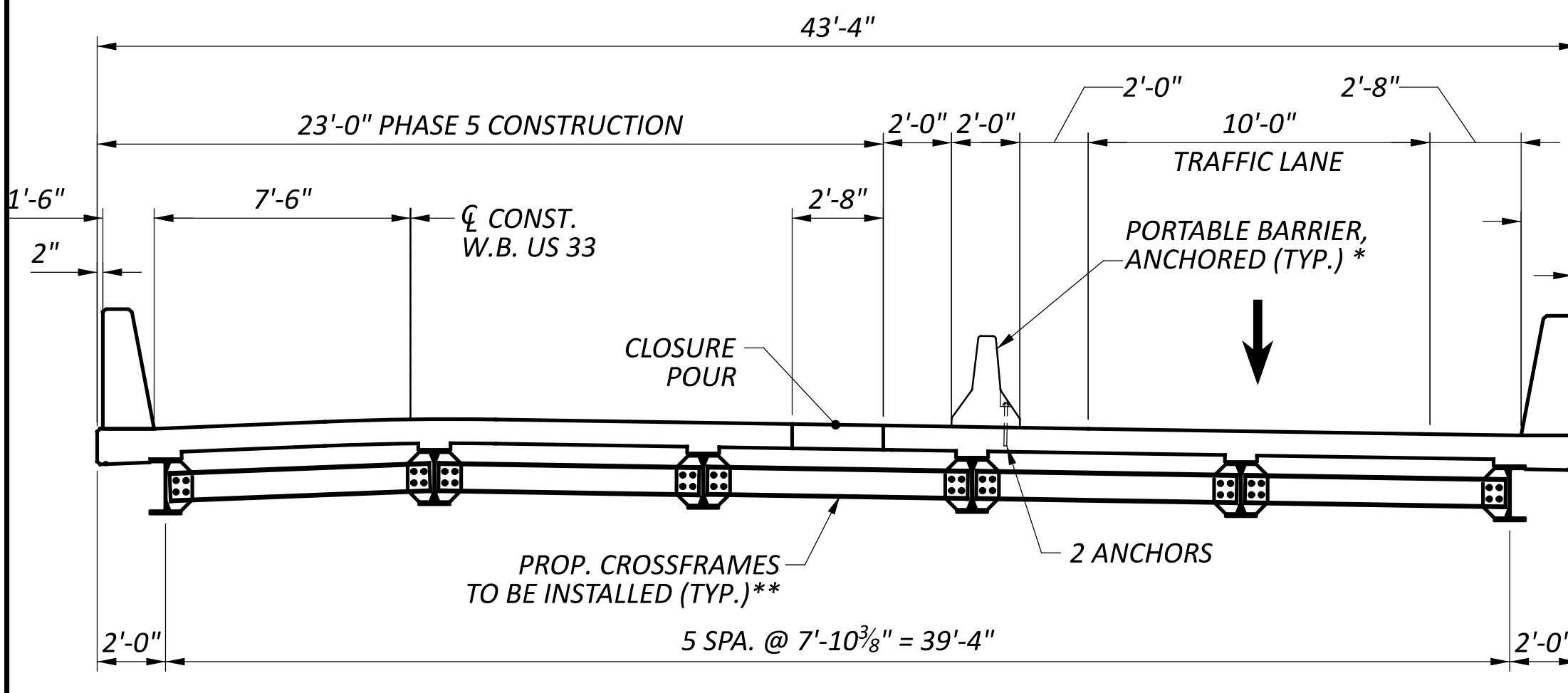
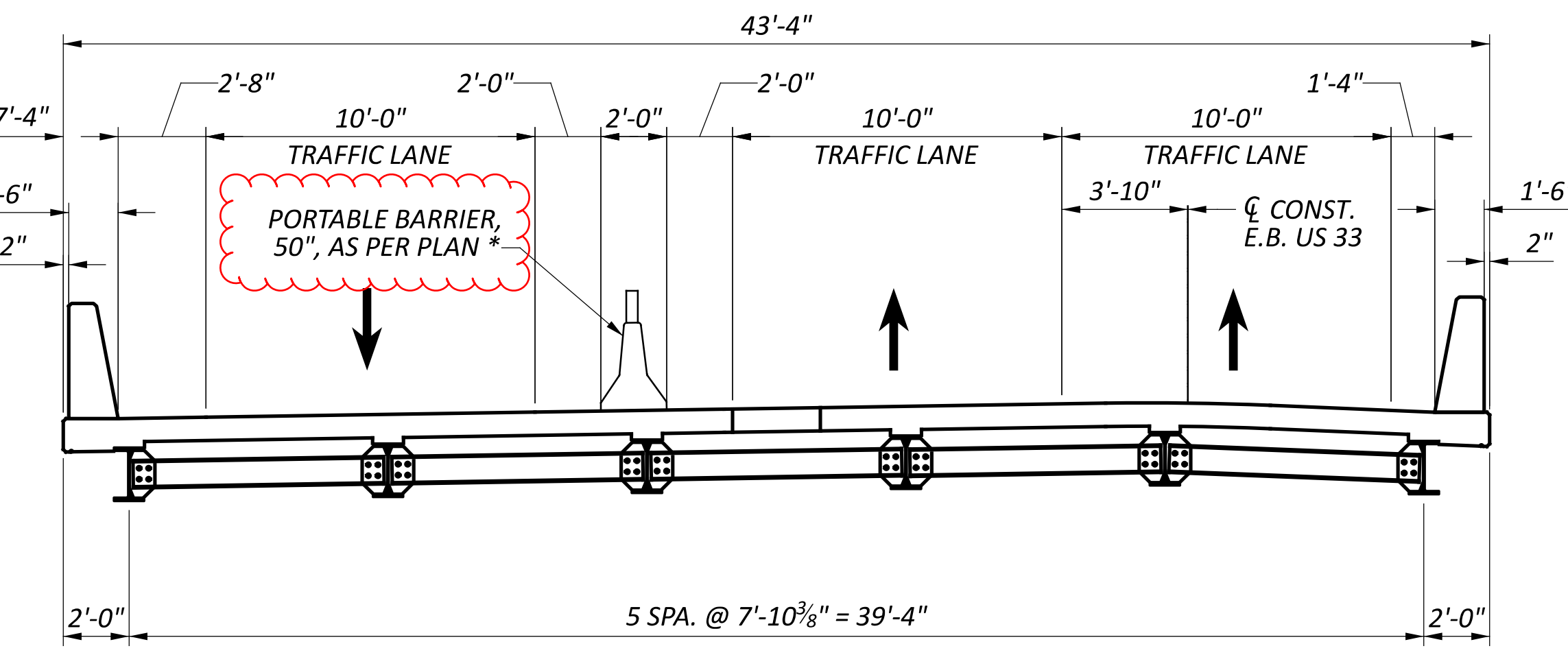
PHASE 4 REMOVAL



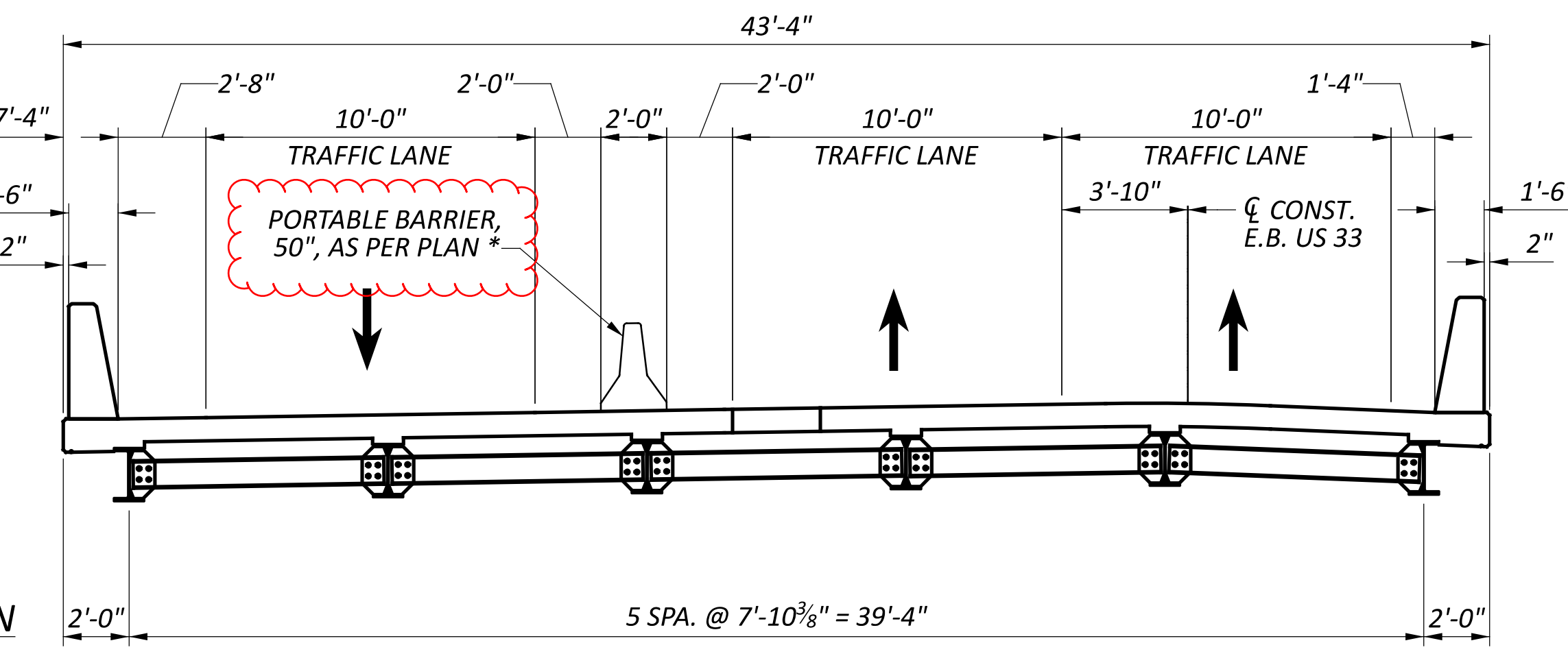
PHASE 4 CONSTRUCTION



PHASE 5 REMOVAL



PHASE 5 CONSTRUCTION



**LEGEND**

INDICATES PORTION OF STRUCTURE TO BE REMOVED

\*- SEE PART 1 FOR QUANTITIES

\*\* - CENTER INTERMEDIATE CROSSFRAME TO BE INSTALLED AFTER PHASE CONSTRUCTION OF BRIDGE IS COMPLETE AND BEFORE CLOSURE POUR

**NOTES**

1. SEE SHEET 7/45 FOR PHASE CONSTRUCTION NOTES

SFN	8001065
SFN	8001073
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	CPS
PROJECT ID	115675
SUBSET	9
TOTAL	45
SHEET	P.29
TOTAL	102

UNI-33-7.85, UNI-33-8.79 (PART 2)

MODEL: 115675\_SFN\_8000816\_SQ001 PAPER SIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 3:26:35 PM USER: jbrosnah  
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UNI-33-0879 RIGHT BRIDGE (EASTBOUND)					PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
ABUTMENTS	PIERS	SUPER.	APP.SLABS	GENERAL	03/NHS/13							
		LS			LS		202	11003	LS		STRUCTURE OVER 20 FOOT SPAN (UNI-33-0879 RIGHT)	
LS					LS		202	11201	LS		STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN (SUPERSTRUCTURE)	4
			241		241		202	22900	241	SY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SUBSTRUCTURE)	4
				332	332		202	23500	332	SY	APPROACH SLAB REMOVED	
											WEARING COURSE REMOVED	
LS					LS		503	11101	LS		COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	4
LS					LS		503	21300	LS		UNCLASSIFIED EXCAVATION	
							509	26000	41,967	LB	GALVANIZED STEEL REINFORCEMENT	
							509	30020	5,654	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
							510	10001	278	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	4
		99			99		511	34412	99	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
		59			59		511	34450	59	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
42					42		511	45710	42	CY	CLASS QC1 CONCRETE, ABUTMENT	
7					7		511	46510	7	CY	CLASS QC1 CONCRETE, FOOTING	
		430			430		512	10050	430	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
5					5		512	33000	5	SY	TYPE 2 WATERPROOFING	
				113	113		516	10010	113	FT	ARMORLESS PREFORMED JOINT SEAL	
		16			16		516	13600	16	SF	1" PREFORMED EXPANSION JOINT FILLER	
86					86		516	13900	86	SF	2" PREFORMED EXPANSION JOINT FILLER	
126					126		516	14020	126	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
					119		516	42600	119	FT	ELASTOMERIC BEARING PAD, MISC.: (1 1/4" x 9")	19
		LS			LS		516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	4
		2			2		518	12500	2	EACH	SCUPPER, MISC.: STEEL TUBE SCUPPERS INCLUDING ATTACHMENTS	25
33					33		518	21200	33	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
142					142		518	40000	142	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
52					52		518	40010	52	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
				324	324		526	25011	324	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN	4
				113	113		526	90031	113	FT	TYPE C INSTALLATION, AS PER PLAN	4
		76			76		SPECIAL	53000400	76	EACH	STRUCTURES (GROUT PORTABLE BARRIER ANCHOR HOLES)	4
7					7		601	21050	7	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
4					4		611	99710	4	EACH	PRECAST REINFORCED CONCRETE OUTLET	
		1,025			1,025		848	10200	1,025	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION (3 1/4" THICKNESS)	
		1,025			LS		848	20000	1,025	SY	SURFACE PREPARATION USING HYDRODEMOLITION	4
		20			20		848	30200	20	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	4
		36			36		848	50000	36	SY	HAND CHIPPING	
		LS			LS		848	50100	LS		TEST SLAB	
		2			2		848	50200	2	CY	FULL-DEPTH REPAIR	
		1,025			1,025		848	50320	1,025	SY	EXISTING CONCRETE OVERLAY REMOVED (3" THICKNESS)	
		359			359		848	50340	359	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	

EASTBOUND (R) ESTIMATED QUANTITIES  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	CPS 11/15/24
PROJECT ID	115675
SUBSET	5
TOTAL	37
SHEET	P.70
TOTAL	102



UNI-33-7.85, UNI-33-8.79 (PART 2)

MODEL: 115675\_SFN\_8000816\_S0002\_PAPER SIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 3:26:36 PM USER: jbrosnah  
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UNI-33-0879 LEFT BRIDGE (WESTBOUND)					PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
ABUTMENTS	PIERS	SUPER.	APP.SLABS	GENERAL	03/NHS/13							
		LS			LS		202	11003	LS		STRUCTURE OVER 20 FOOT SPAN (UNI-33-0879 LEFT)	
LS					LS		202	11201	LS		STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN (SUPERSTRUCTURE)	4
			133		133		202	22900	133	SY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SUBSTRUCTURE)	4
				234	234		202	23500	234	SY	APPROACH SLAB REMOVED	
											WEARING COURSE REMOVED	
LS					LS		503	11101	LS		COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	4
LS					LS		503	21300	LS		UNCLASSIFIED EXCAVATION	
4,174		35,167			39,341		509	26000	39,341	LB	GALVANIZED STEEL REINFORCEMENT	
		5,654			5,654		509	30020	5,654	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
232					232		510	10001	232	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	4
		90			90		511	34412	90	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
		59			59		511	34450	59	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
37					37		511	45710	37	CY	CLASS QC1 CONCRETE, ABUTMENT	
8					8		511	46510	8	CY	CLASS QC1 CONCRETE, FOOTING	
		434			434		512	10050	434	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
6					6		512	33000	6	SY	TYPE 2 WATERPROOFING	
				79	79		516	10010	79	FT	ARMORLESS PREFORMED JOINT SEAL	
		16			16		516	13600	16	SF	1" PREFORMED EXPANSION JOINT FILLER	
86					86		516	13900	86	SF	2" PREFORMED EXPANSION JOINT FILLER	
92					92		516	14020	92	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
					85		516	42600	85	FT	ELASTOMERIC BEARING PAD, MISC.: (1 1/4" x 9")	19
		LS			LS		516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	4
		2			2		518	12500	2	EACH	SCUPPER, MISC.: STEEL TUBE SCUPPERS INCLUDING ATTACHMENTS	25
28					28		518	21200	28	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
108					108		518	40000	108	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
53					53		518	40010	53	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
				230	230		526	25011	230	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN	4
				79	79		526	90031	79	FT	TYPE C INSTALLATION, AS PER PLAN	4
		68			68		SPECIAL	53000400	68	EACH	STRUCTURES (GROUT PORTABLE BARRIER ANCHOR HOLES)	4
7					7		601	21050	7	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
4					4		611	99710	4	EACH	PRECAST REINFORCED CONCRETE OUTLET	
		715			715		848	10200	715	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION (3 1/4" THICKNESS)	
		715			715		848	20000	715	SY	SURFACE PREPARATION USING HYDRODEMOLITION	4
		14			14		848	30200	14	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	4
		25			25		848	50000	25	SY	HAND CHIPPING	
		LS			LS		848	50100	LS		TEST SLAB	
		2			2		848	50200	2	CY	FULL-DEPTH REPAIR	
		715			715		848	50320	715	SY	EXISTING CONCRETE OVERLAY REMOVED (3" THICKNESS)	
		250			250		848	50340	250	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	

WESTBOUND (L) ESTIMATED QUANTITIES  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

SFN 8000786

SFN 8000816

DESIGN AGENCY



DESIGNER JMB CHECKER JPH

REVIEWER CPS 11/15/24

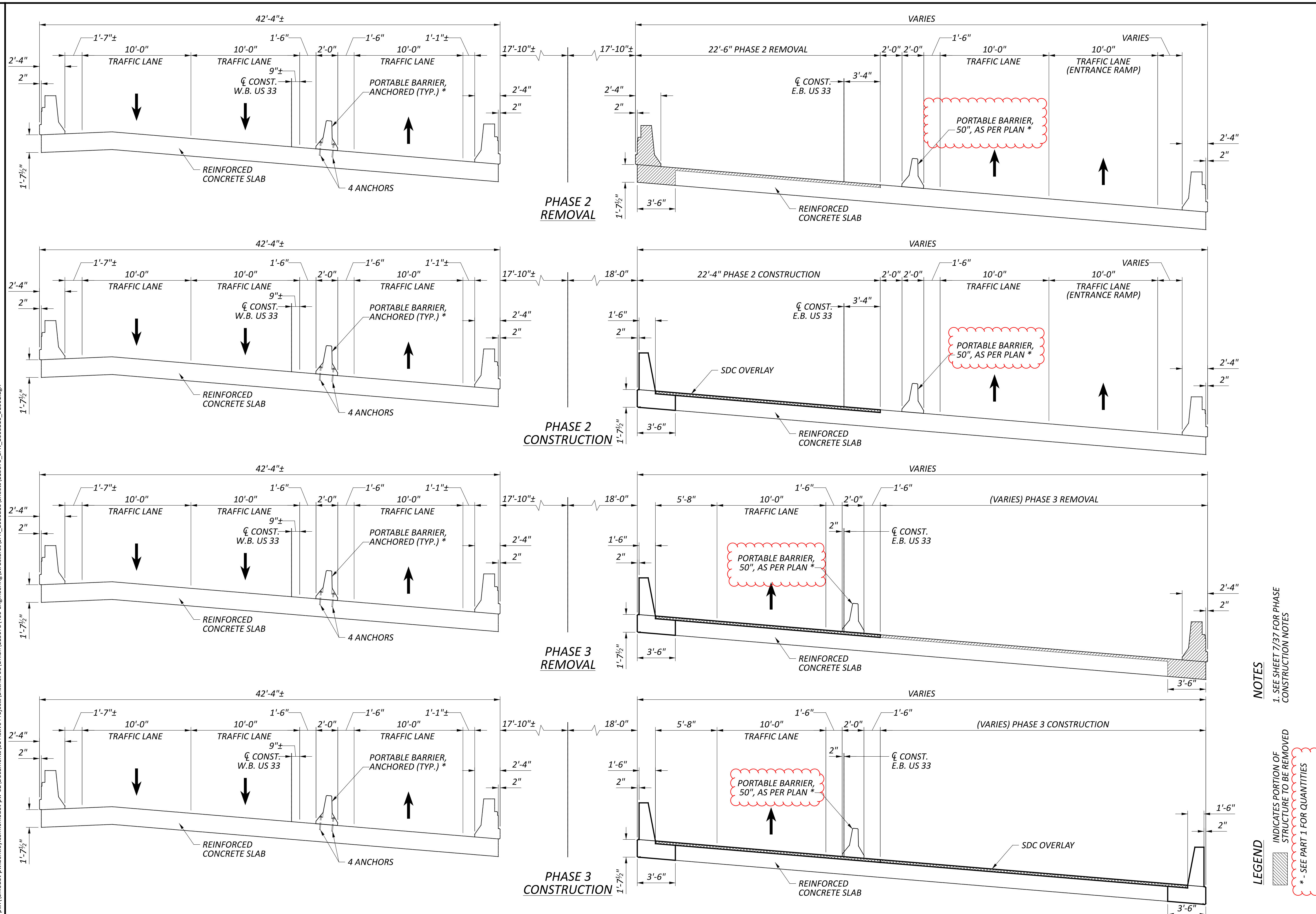
PROJECT ID 115675

SUBSET TOTAL 6 37

SHEET TOTAL P.71 102

**UNI-33-7.85, UNI-33-8.79 (PART 2)**

MODEL: 115675\_SFN\_8000816\_SCO02 PAPER SIZE: 34x22 (in.) DATE: 2/5/2025 TIME: 2:33:46 PM USER: jbroshah  
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**NOTES**  
 1. SEE SHEET 7/37 FOR PHASE CONSTRUCTION NOTES

**LEGEND**  
 [Hatched Box] INDICATES PORTION OF STRUCTURE TO BE REMOVED  
 [Red Dashed Box] \* - SEE PART 1 FOR QUANTITIES

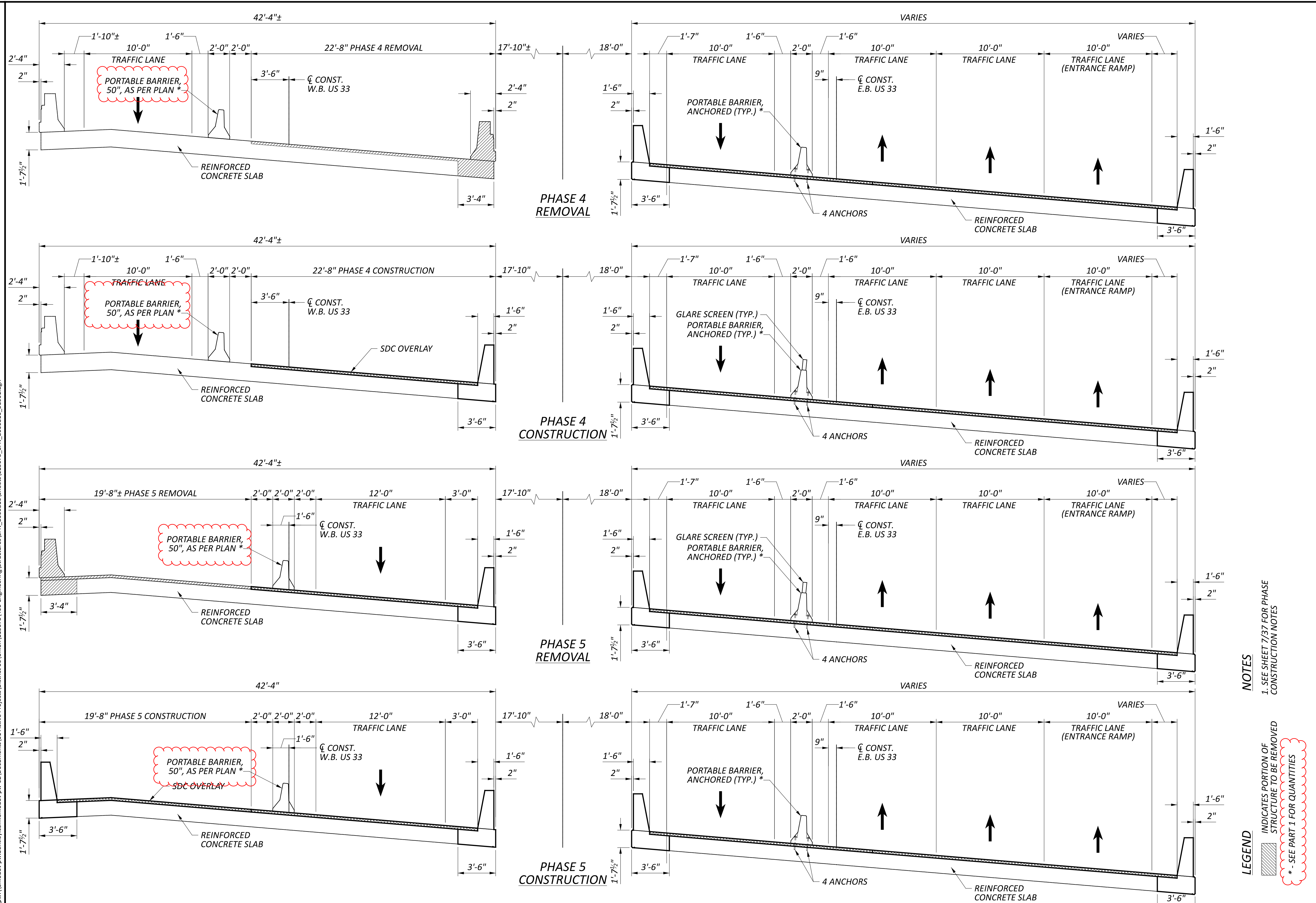
**PHASE CONSTRUCTION DETAILS**  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

SFN	8000786
SFN	8000816
DESIGN AGENCY	[Logo]
DESIGNER	JMB
CHECKER	JPH
REVIEWER	
PROJECT ID	115675
SUBSET	8
TOTAL	37
SHEET	P.73
TOTAL	102



UNI-33-7.85, UNI-33-8.79 (PART 2)

MODEL: 115675\_SFN\_8000816\_SCO03 PAPER SIZE: 34x22 (in.) DATE: 2/5/2025 TIME: 2:33:47 PM USER: jbroshah  
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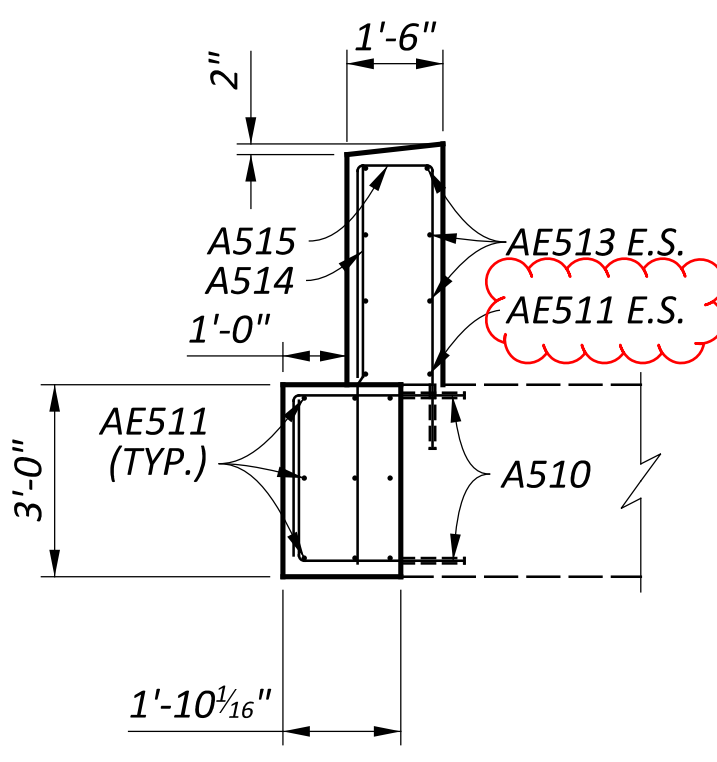
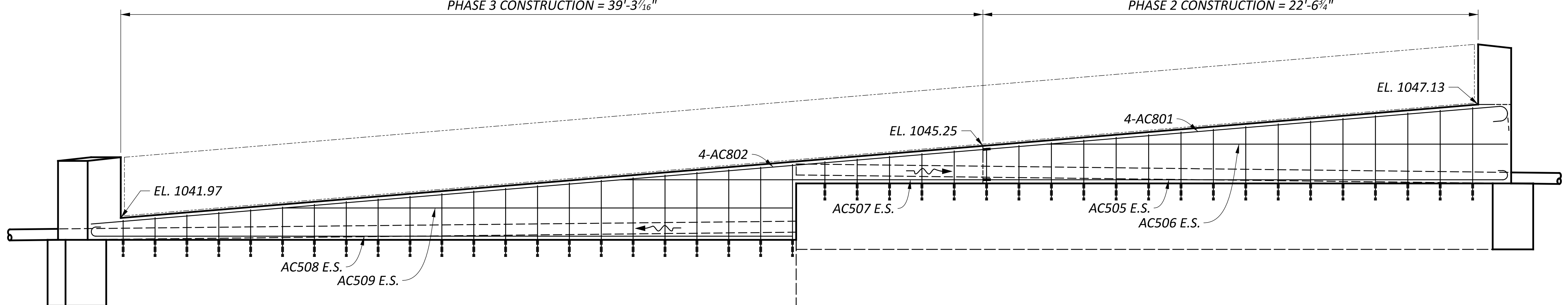
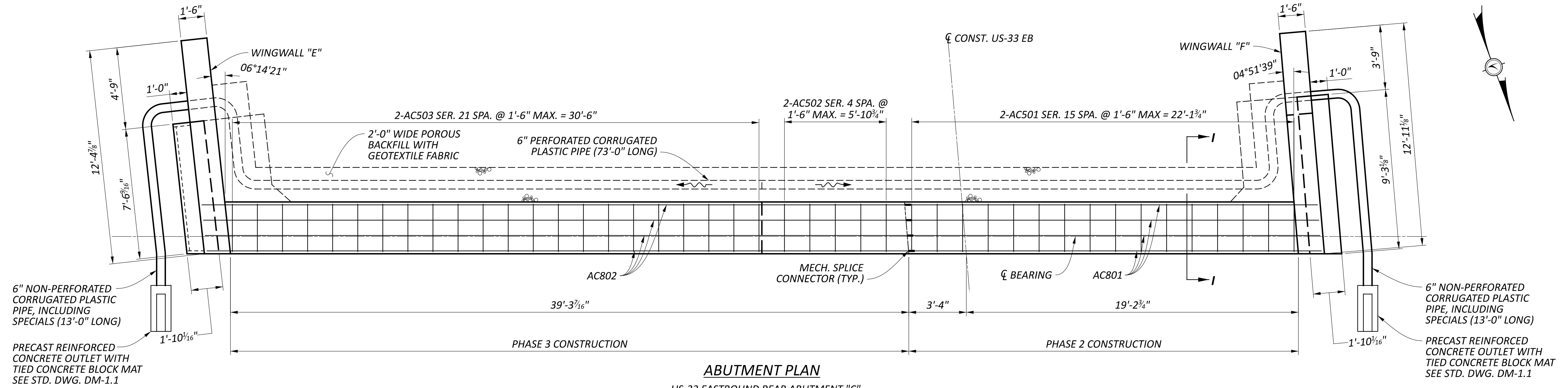


**NOTES**  
 1. SEE SHEET 7/37 FOR PHASE CONSTRUCTION NOTES

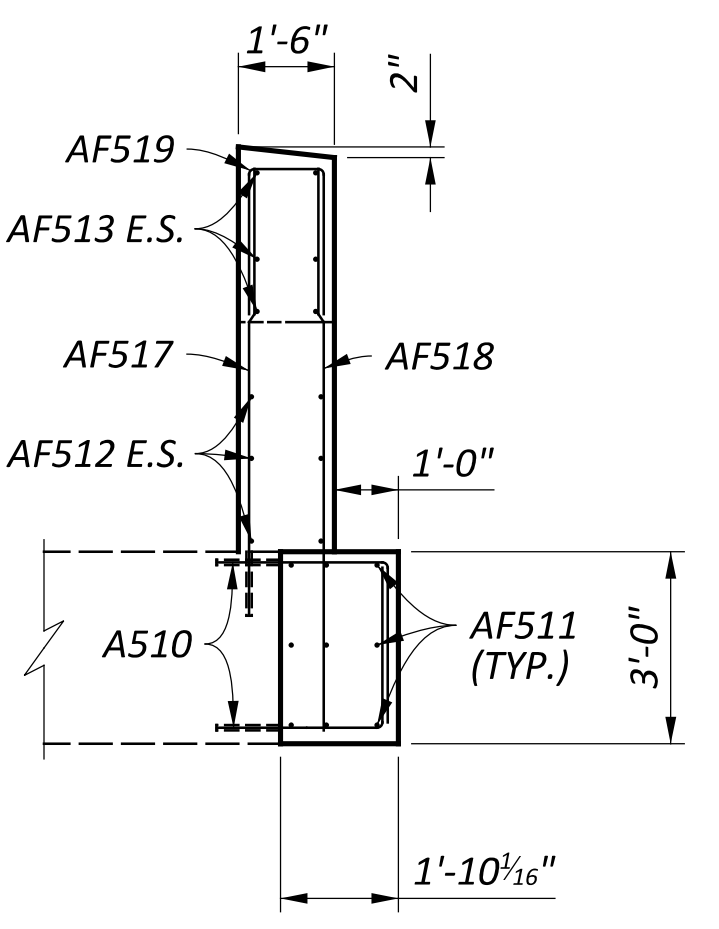
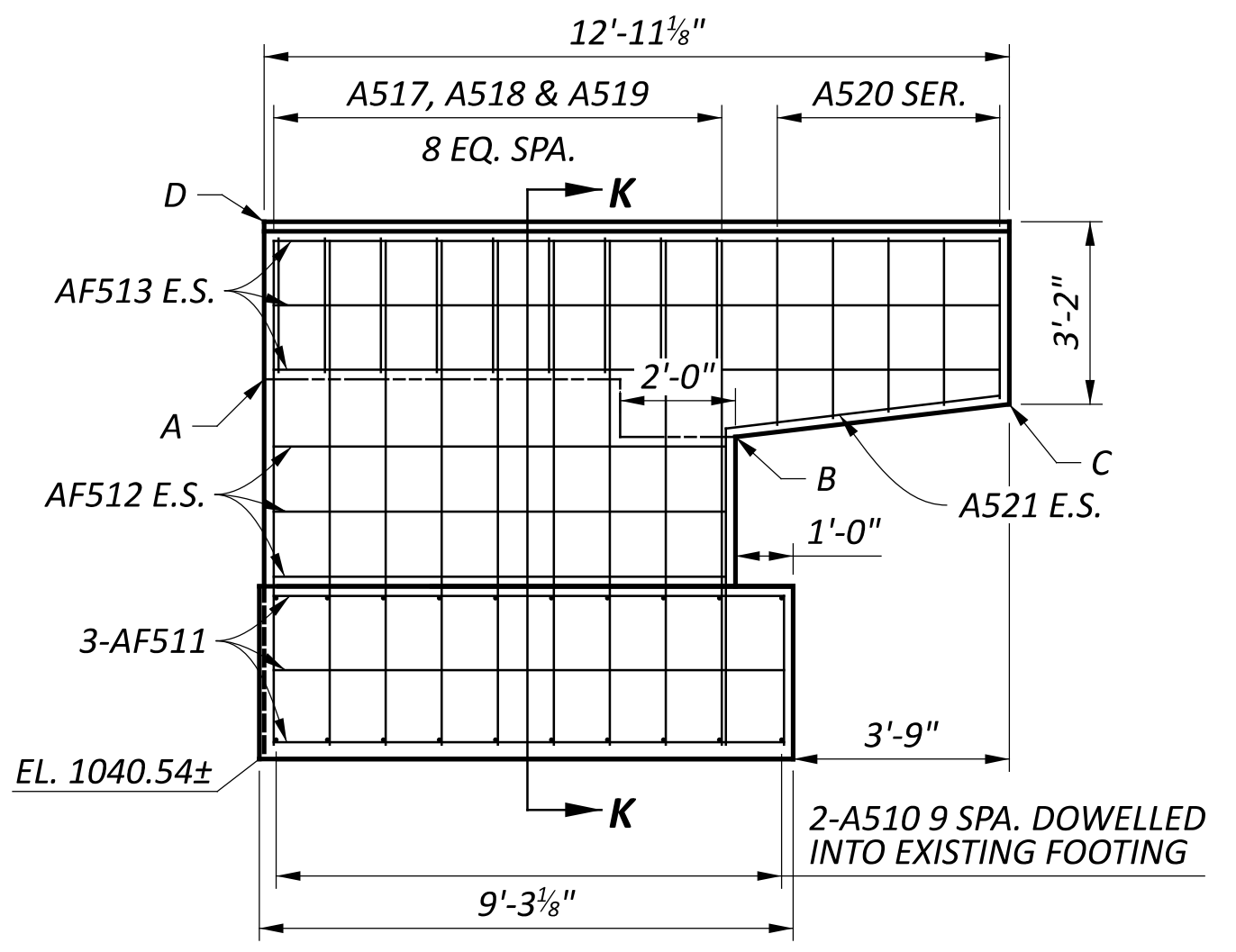
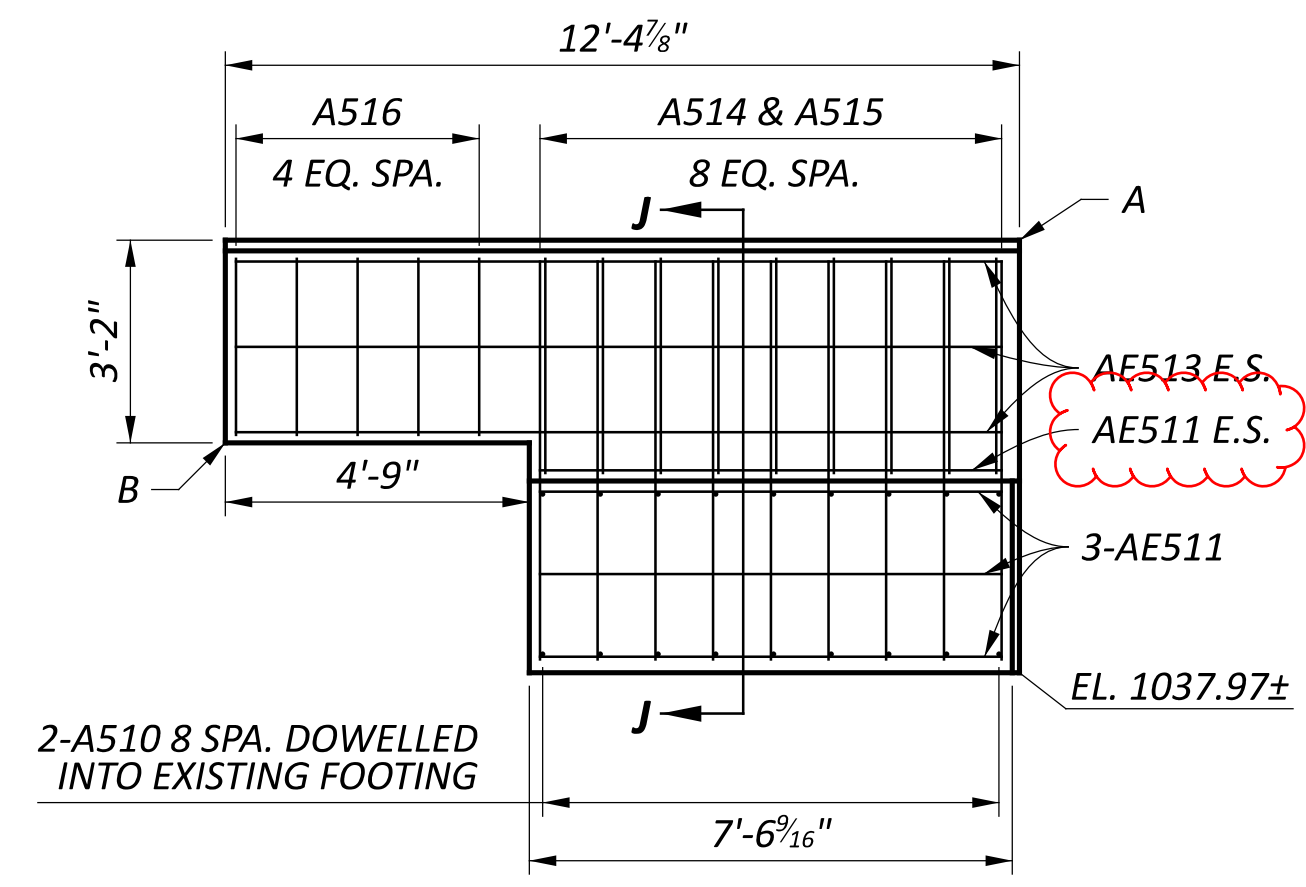
**LEGEND**  
 [Symbol] INDICATES PORTION OF STRUCTURE TO BE REMOVED  
 \* - SEE PART 1 FOR QUANTITIES

PHASE CONSTRUCTION DETAILS  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

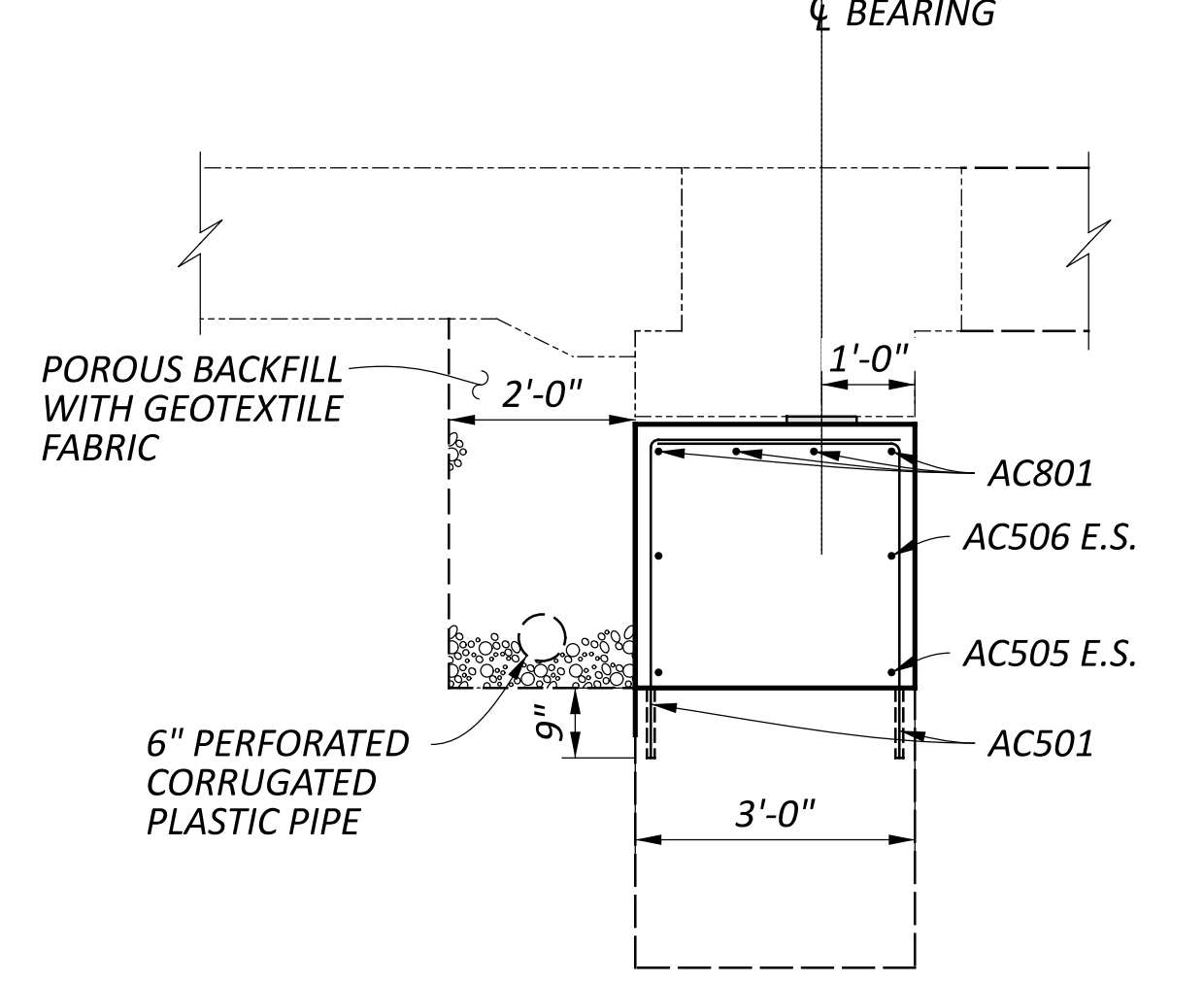
SFN	8000786
SFN	8000816
DESIGN AGENCY	[Logo]
DESIGNER	JMB
CHECKER	JPH
REVIEWER	
CPS	11/15/24
PROJECT ID	115675
SUBSET	9
TOTAL	37
SHEET	P.74
TOTAL	102



WINGWALL "E"	
LOCATION	ELEVATION
A	1044.73
B	1040.97



WINGWALL "F"	
LOCATION	ELEVATION
A	1047.13
B	1046.13
C	1046.70
D	1049.87

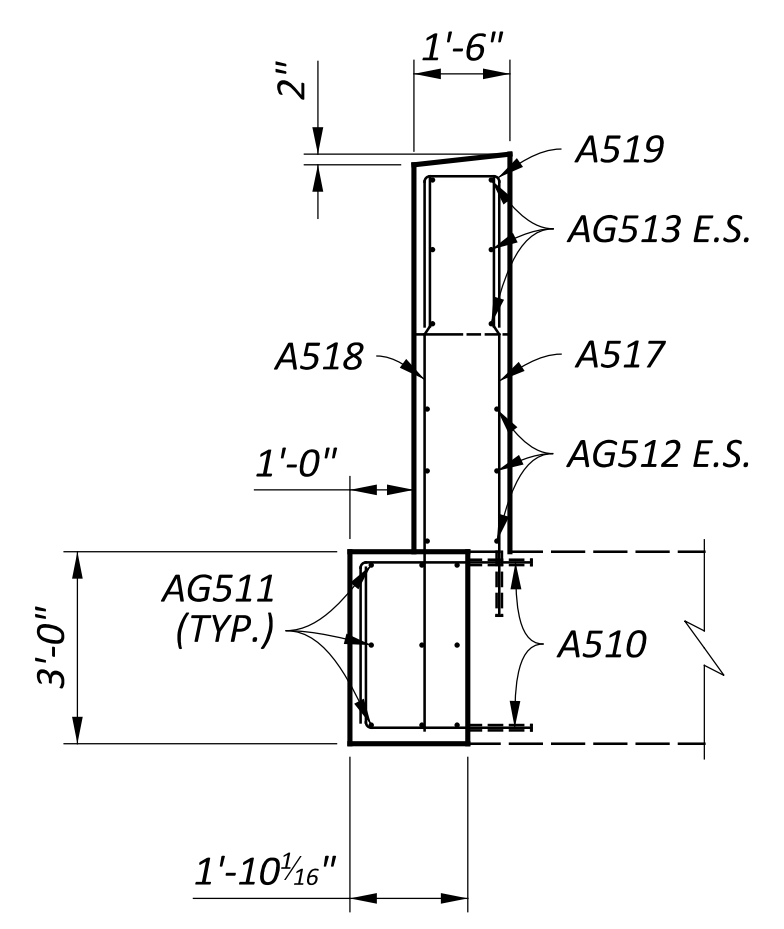
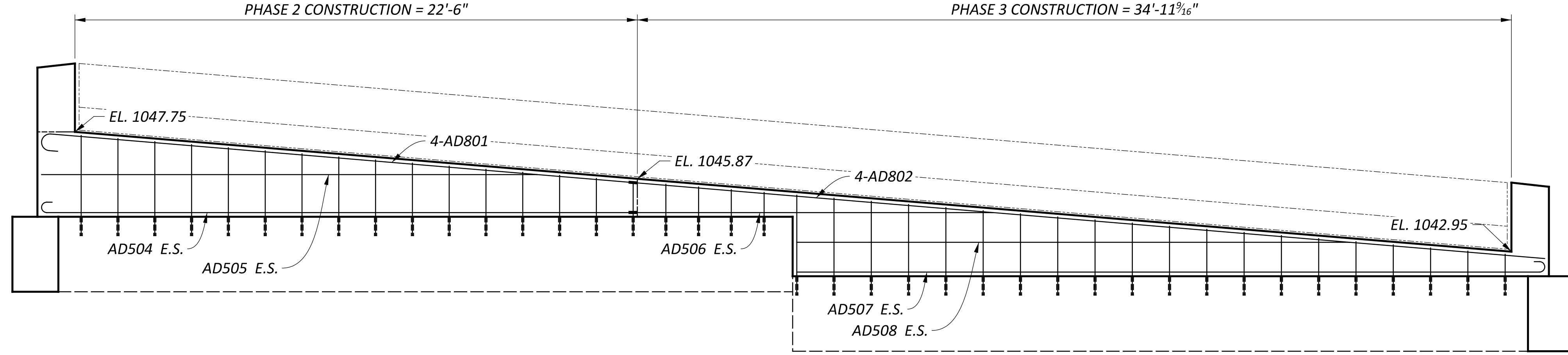
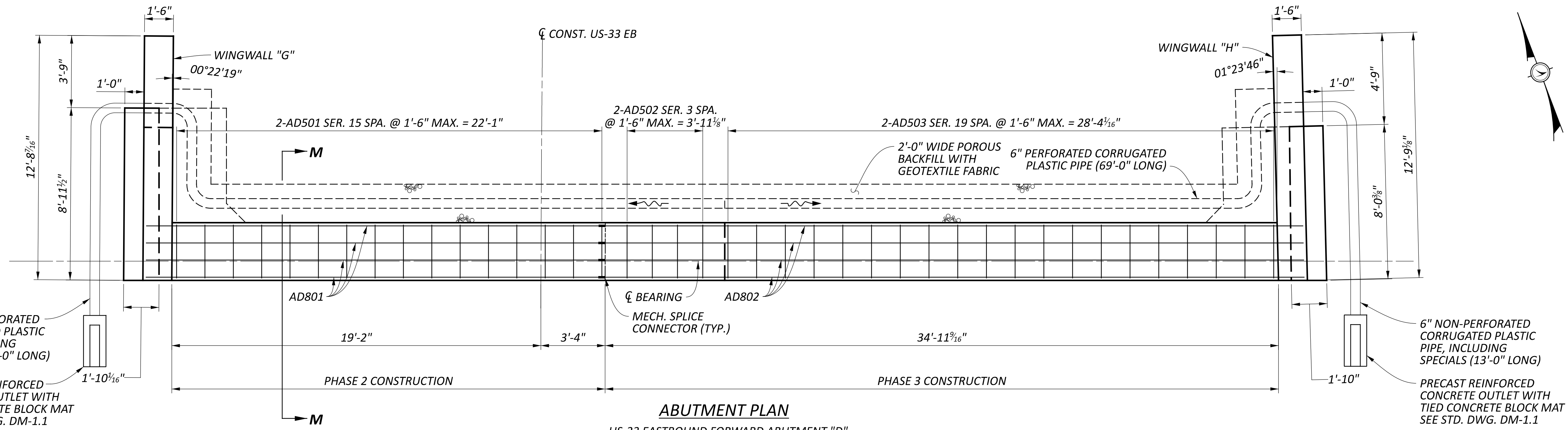


**NOTES**  
 1. ALL DOWELS ARE 1'-0" UNLESS OTHERWISE DETAILED.

PROPOSED EASTBOUND (R) REAR ABUTMENT  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

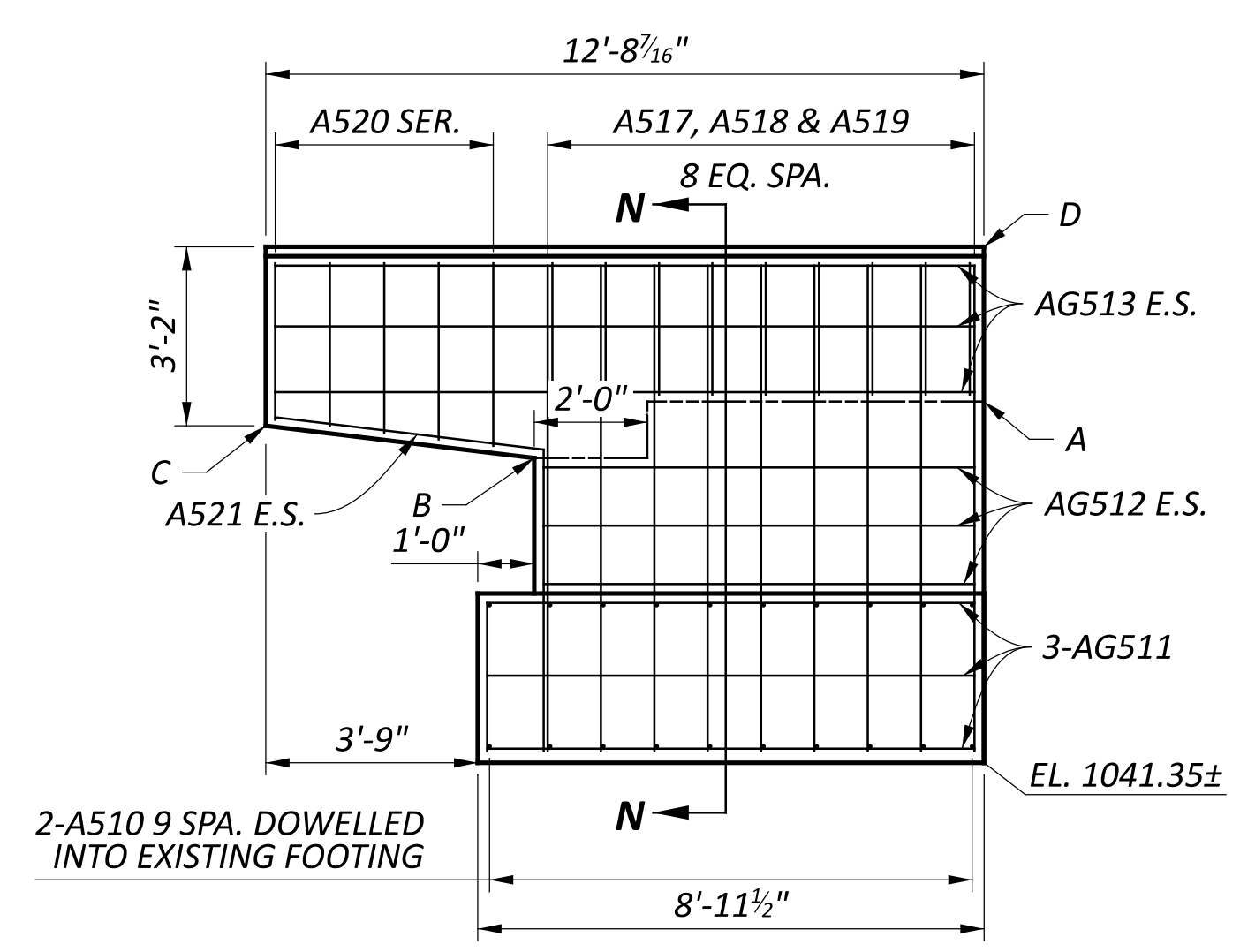
SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	
CPS	11/15/24
PROJECT ID	115675
SUBSET	15
TOTAL	37
SHEET	P.80
TOTAL	102



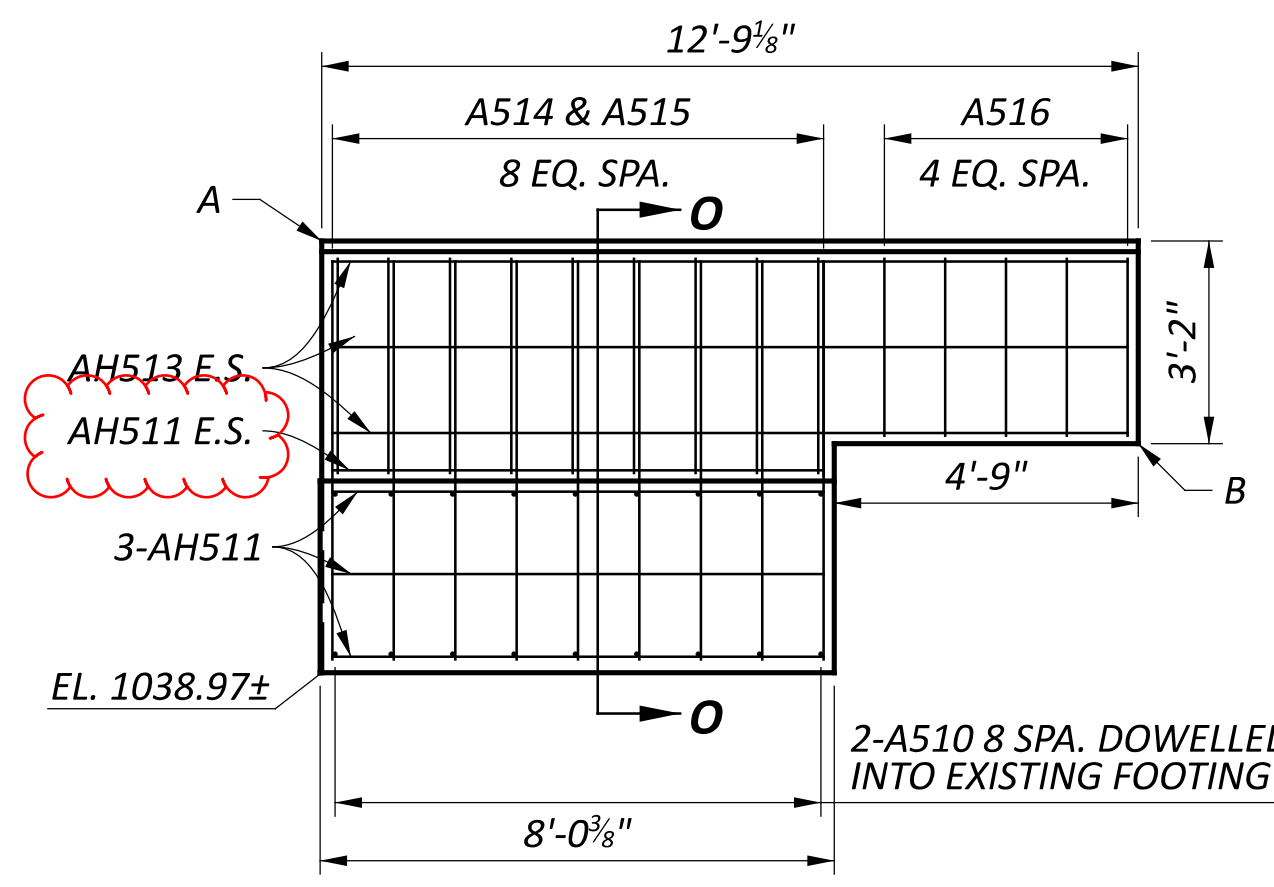


**SECTION N-N**

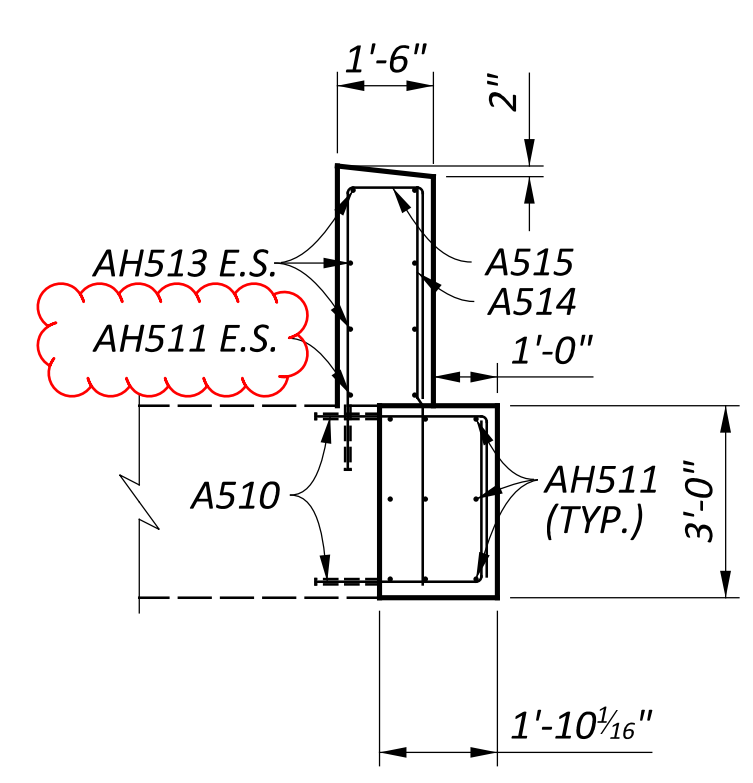
WINGWALL "G"	
LOCATION	ELEVATION
A	1047.75
B	1046.75
C	1047.32
D	1050.48



**WINGWALL "G"**

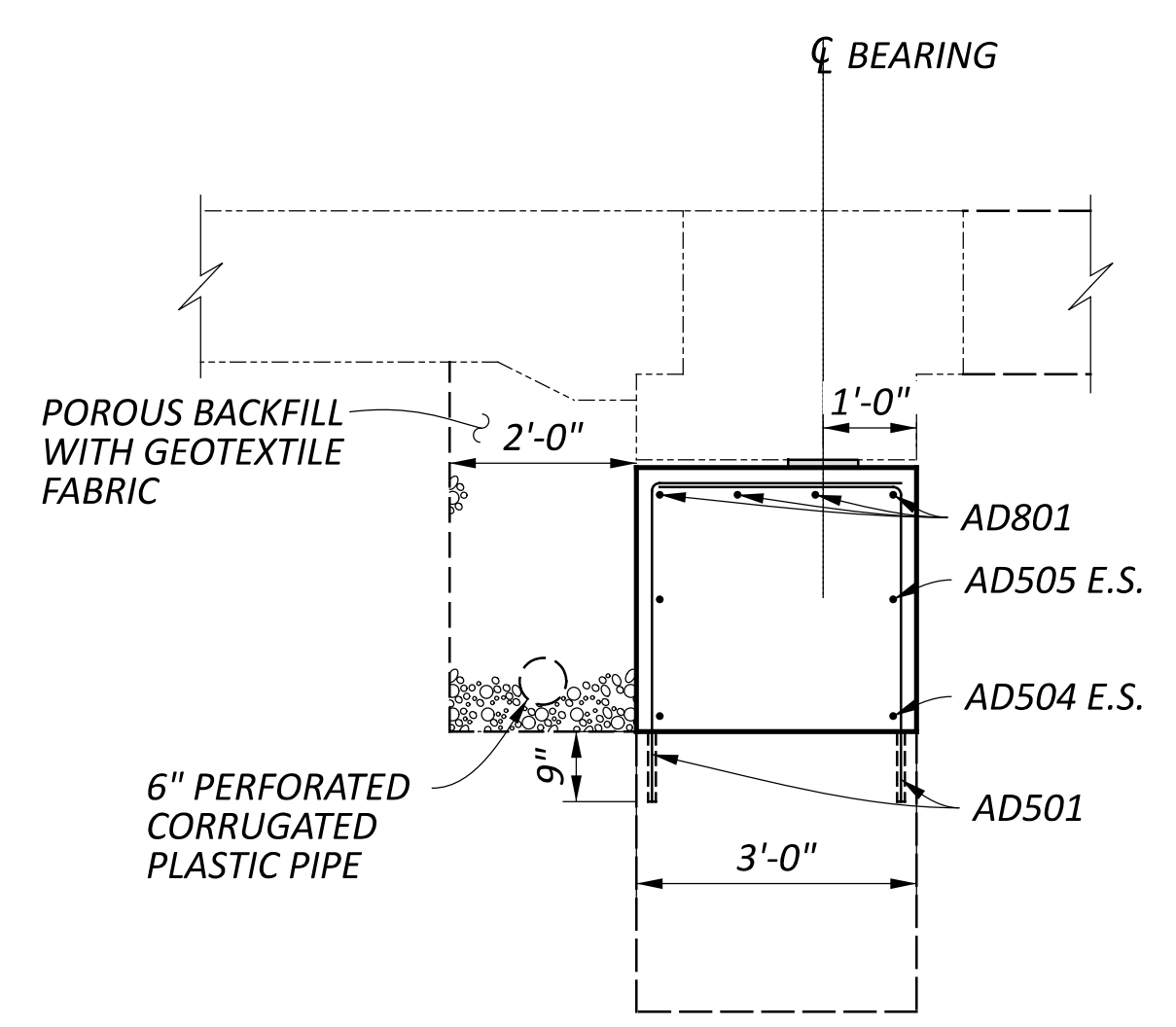


**WINGWALL "H"**



**SECTION O-O**

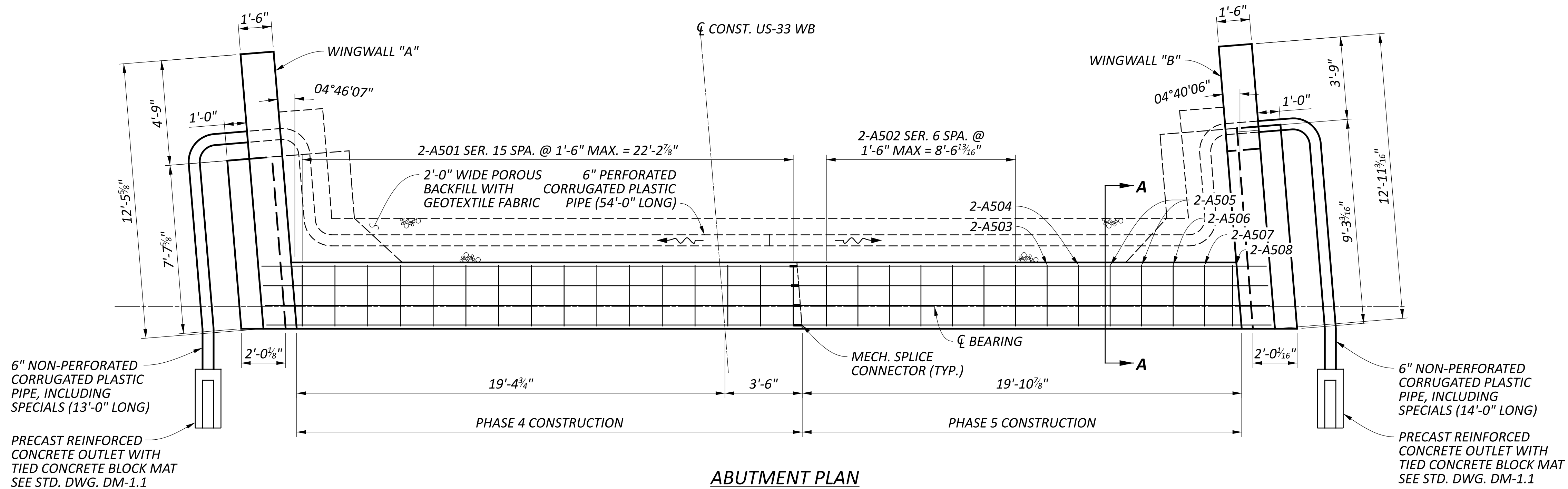
WINGWALL "H"	
LOCATION	ELEVATION
A	1045.72
B	1042.55



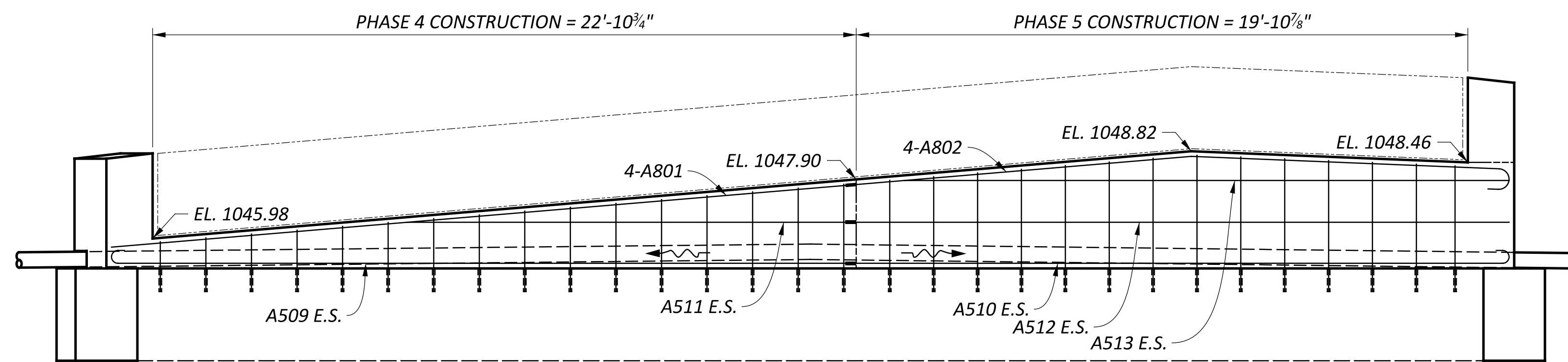
**SECTION M-M (NOT TO SCALE)**

**NOTES**  
 1. ALL DOWELS ARE 1'-0" UNLESS OTHERWISE DETAILED.

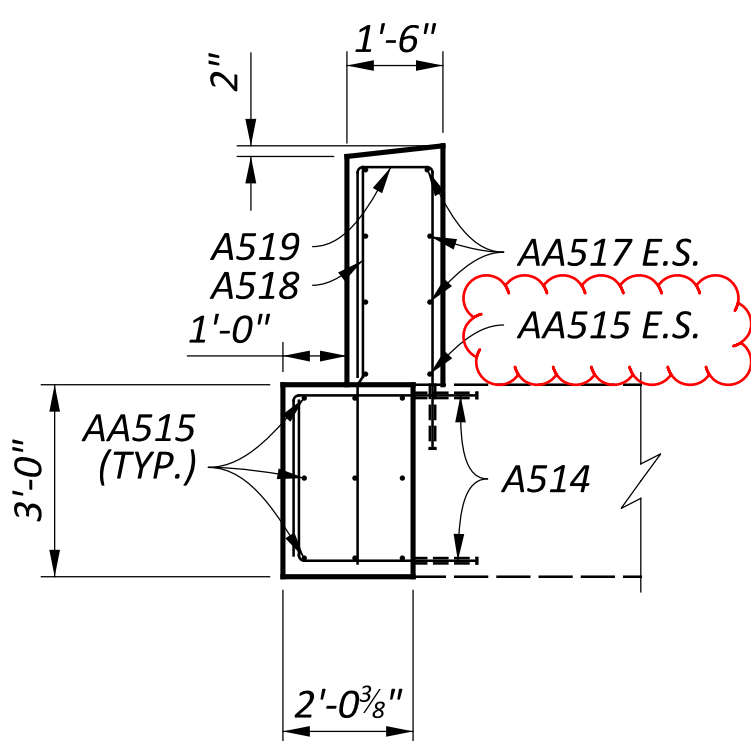
SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	
CPS	11/15/24
PROJECT ID	115675
SUBSET	TOTAL
16	37
SHEET	TOTAL
P.81	102



**ABUTMENT PLAN**  
 US-33 WESTBOUND REAR ABUTMENT "A"

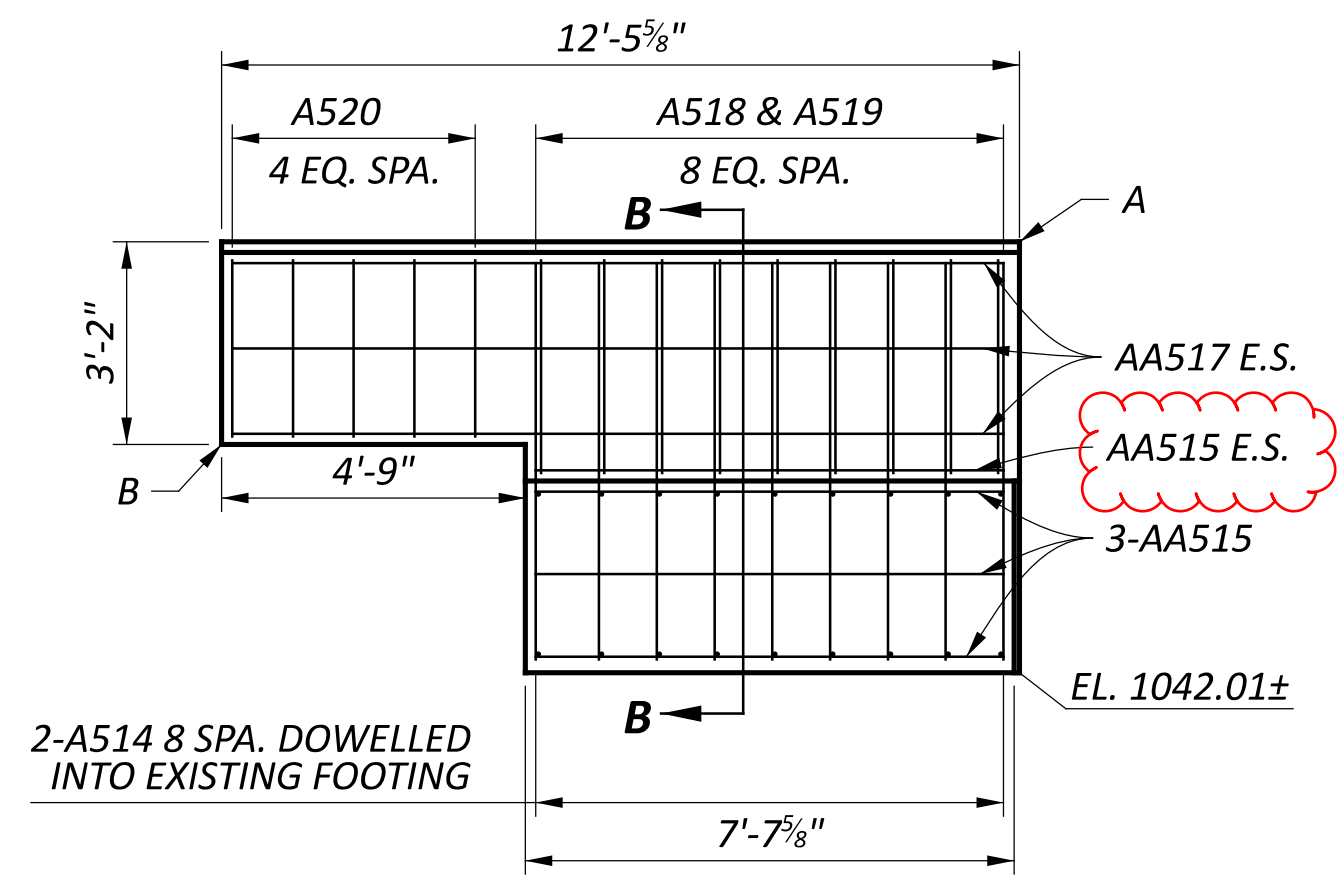


**ABUTMENT ELEVATION**  
 US-33 WESTBOUND REAR ABUTMENT "A"

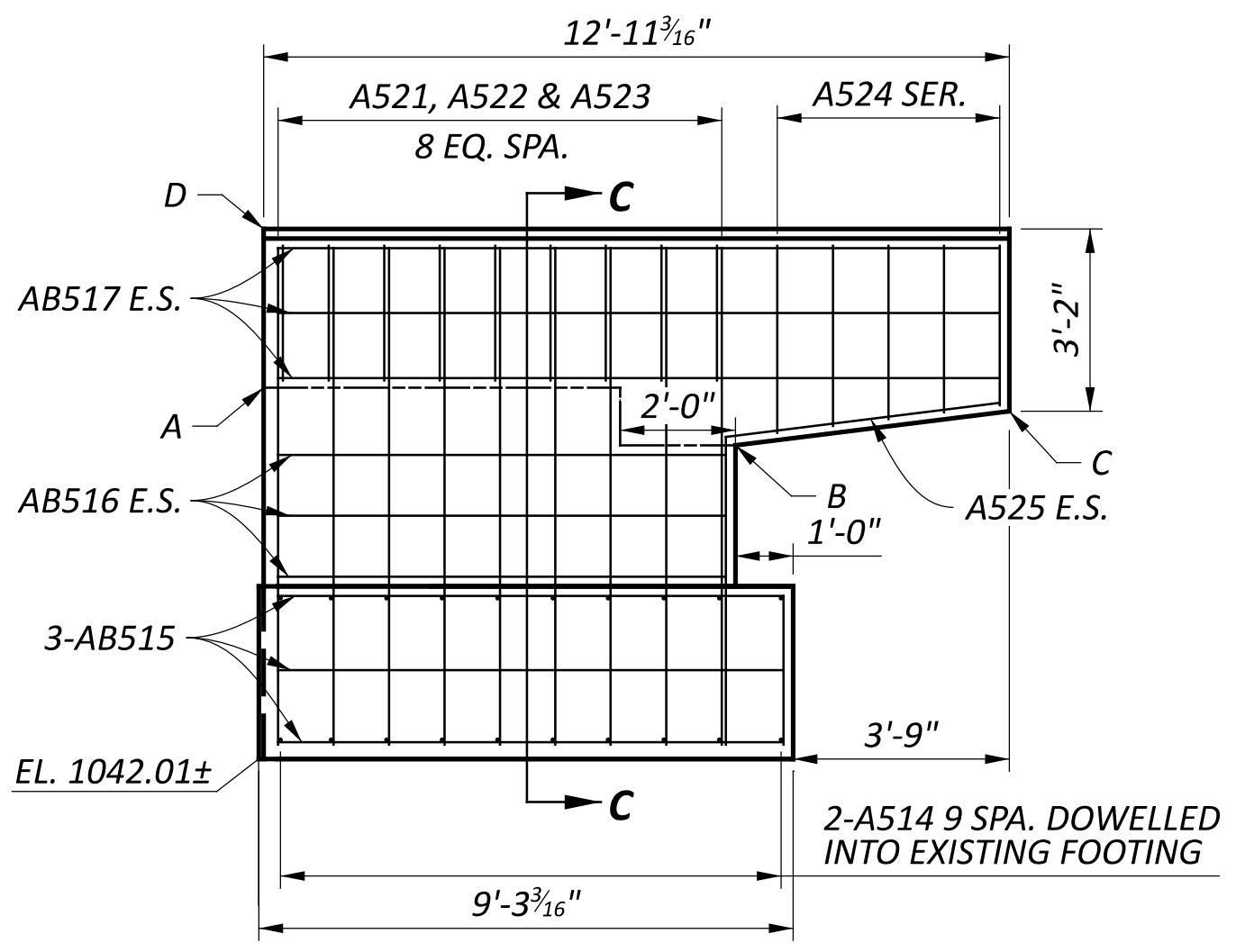


**SECTION B-B**

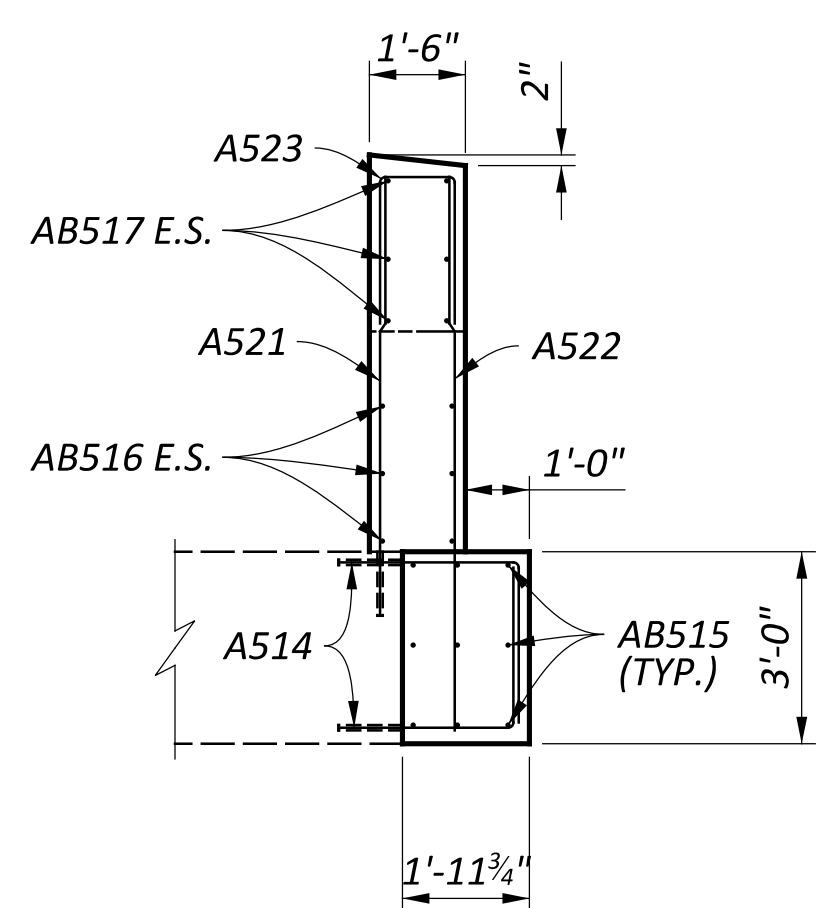
WINGWALL "A"	
LOCATION	ELEVATION
A	1048.75
B	1045.58



**WINGWALL "A"**

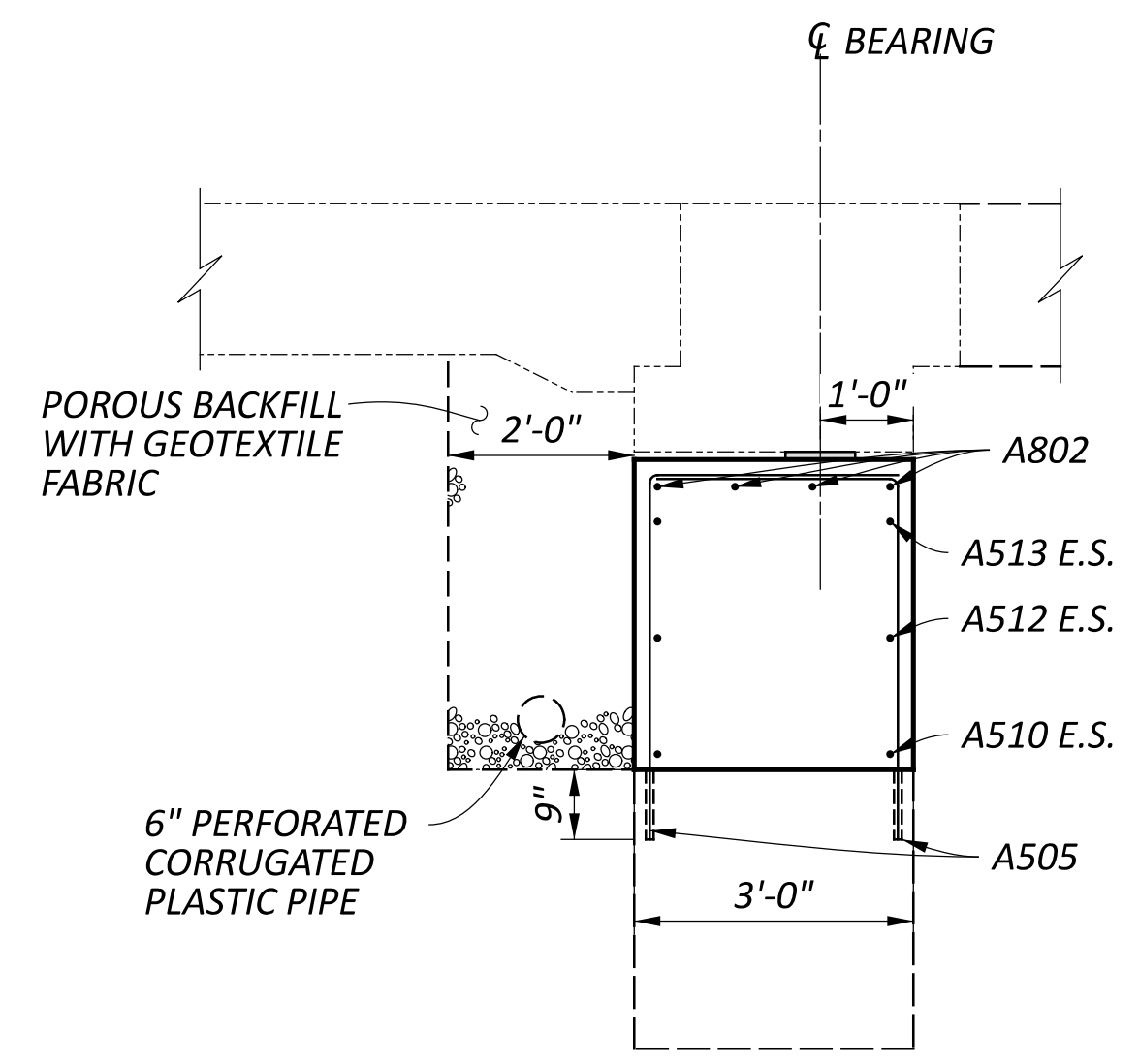


**WINGWALL "B"**



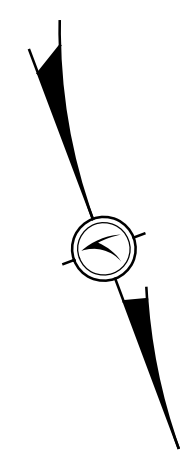
**SECTION C-C**

WINGWALL "B"	
LOCATION	ELEVATION
A	1048.46
B	1047.46
C	1048.04
D	1051.21



**SECTION A-A**  
 (NOT TO SCALE)

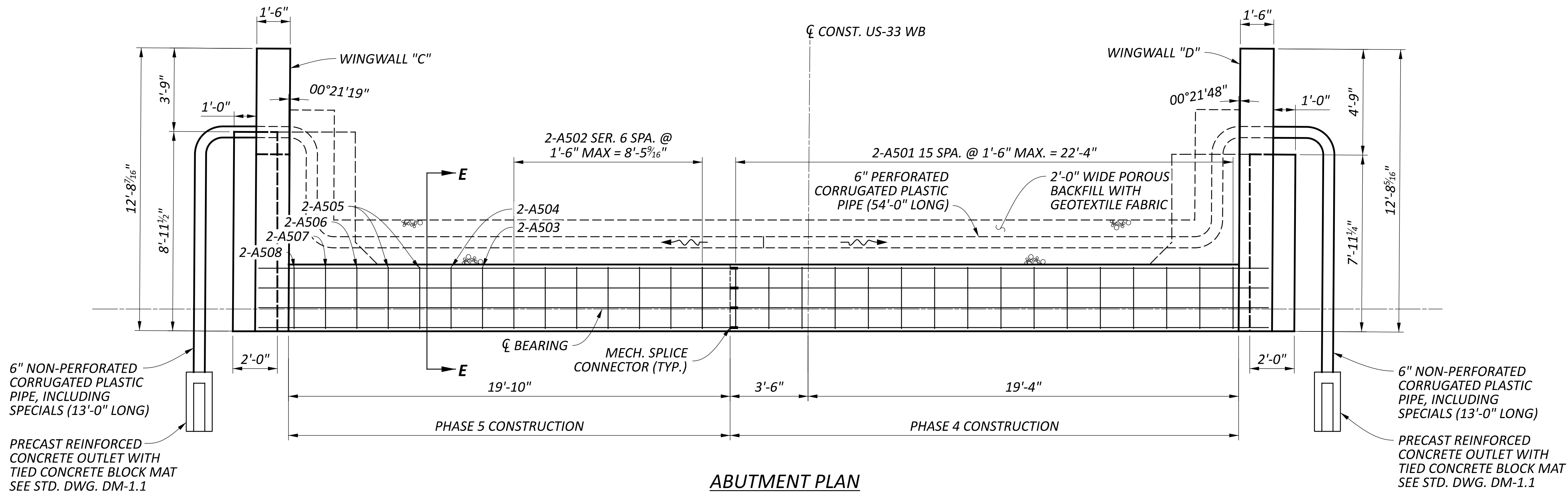
**NOTES**  
 1. ALL DOWELS ARE 1'-0" UNLESS OTHERWISE DETAILED.



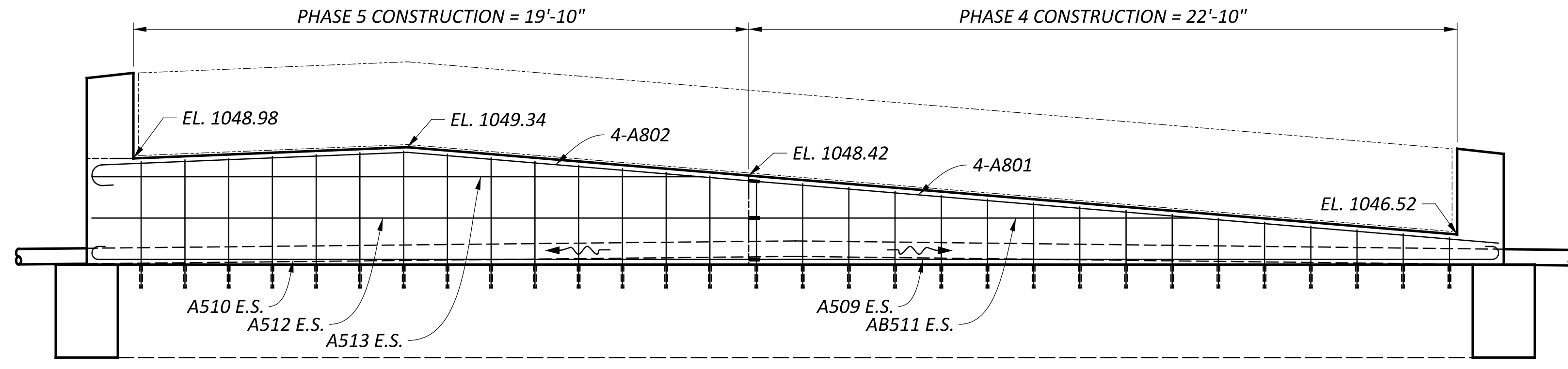
PROPOSED WESTBOUND (L) FORWARD ABUTMENT  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	CPS
DATE	11/15/24
PROJECT ID	115675
SUBSET	17
TOTAL	37
SHEET	P.82
TOTAL	102

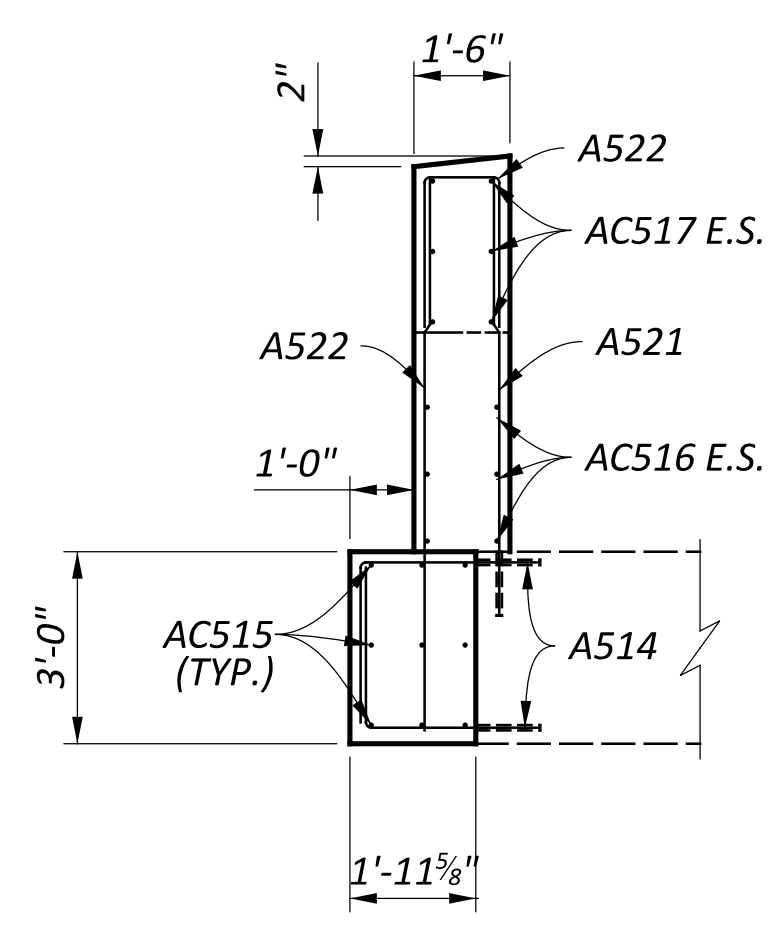




**ABUTMENT PLAN**  
 US-33 WESTBOUND FORWARD ABUTMENT "B"

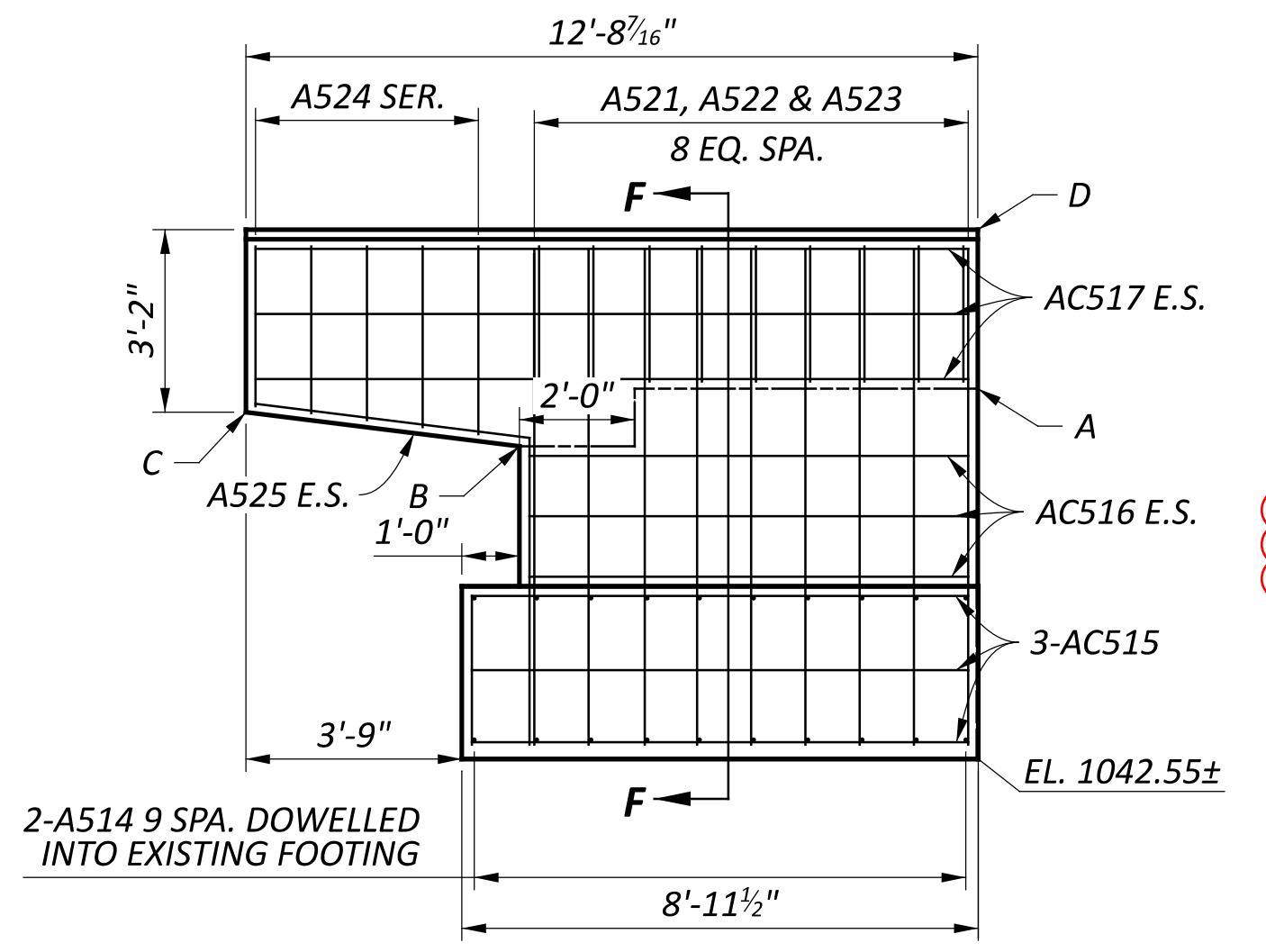


**ABUTMENT ELEVATION**  
 US-33 WESTBOUND FORWARD ABUTMENT "B"

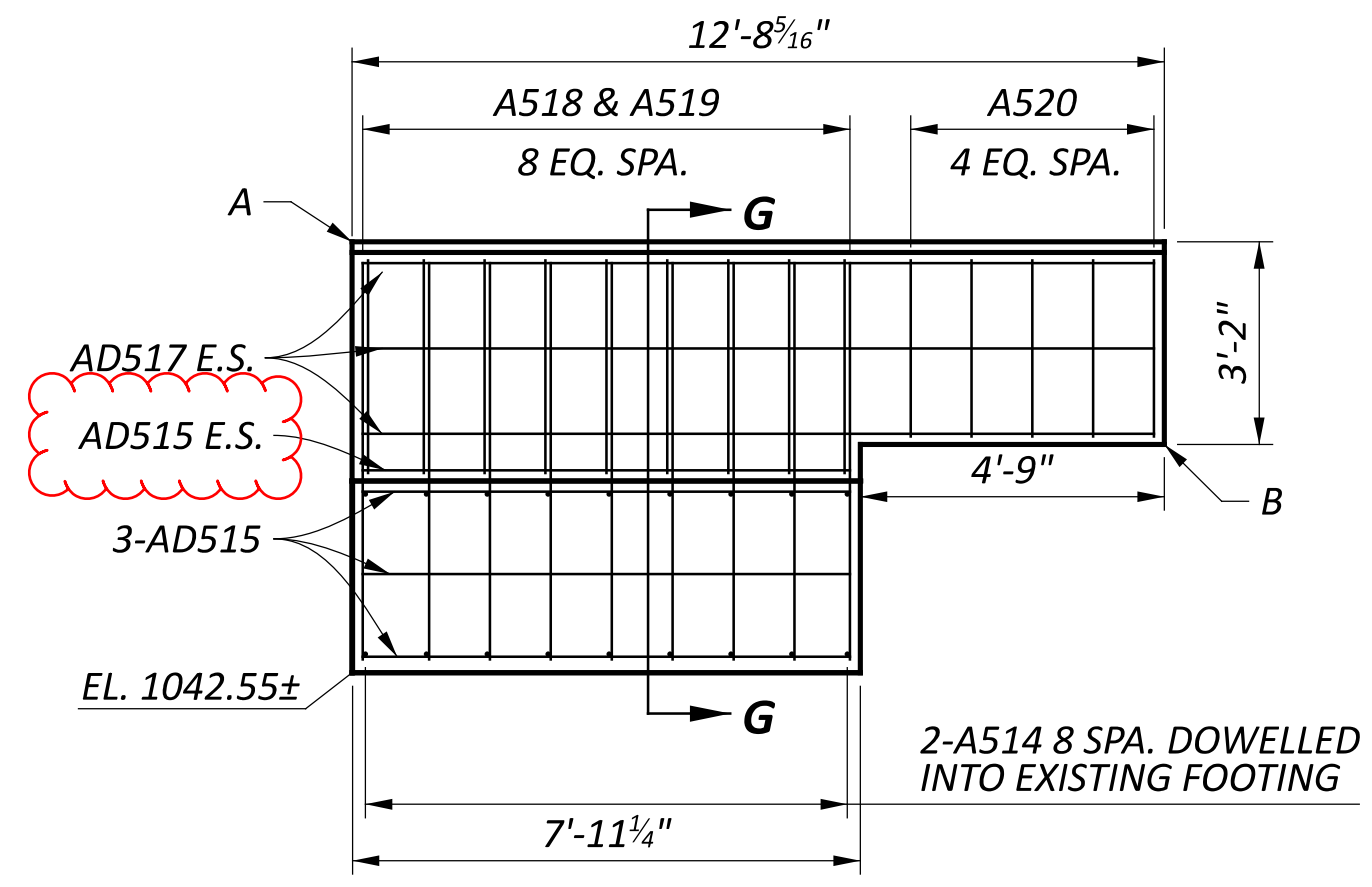


**SECTION F-F**

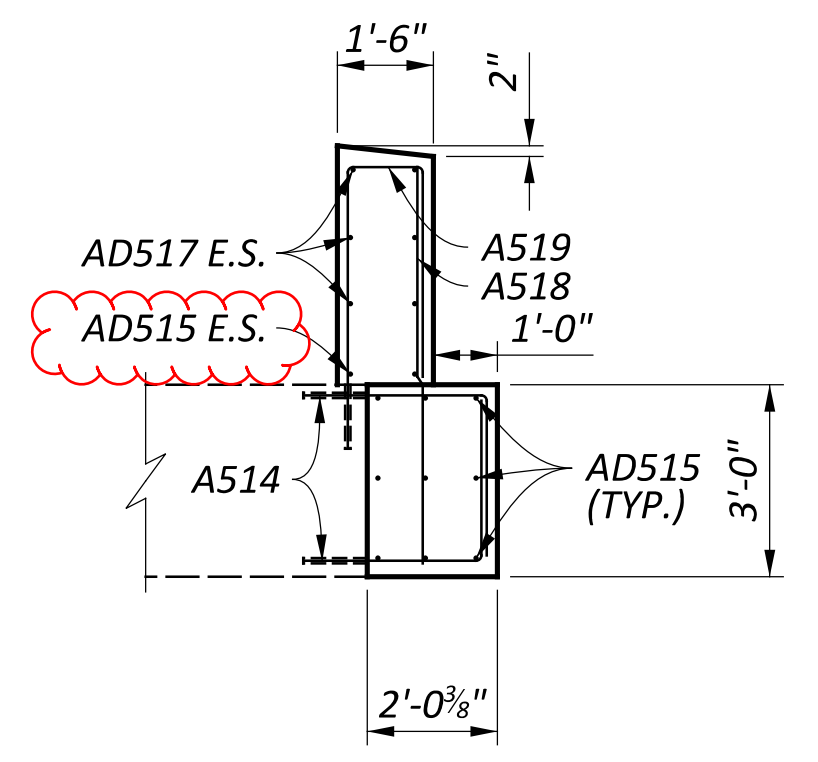
WINGWALL "C"	
LOCATION	ELEVATION
A	1048.98
B	1047.98
C	1048.57
D	1051.74



**WINGWALL "C"**

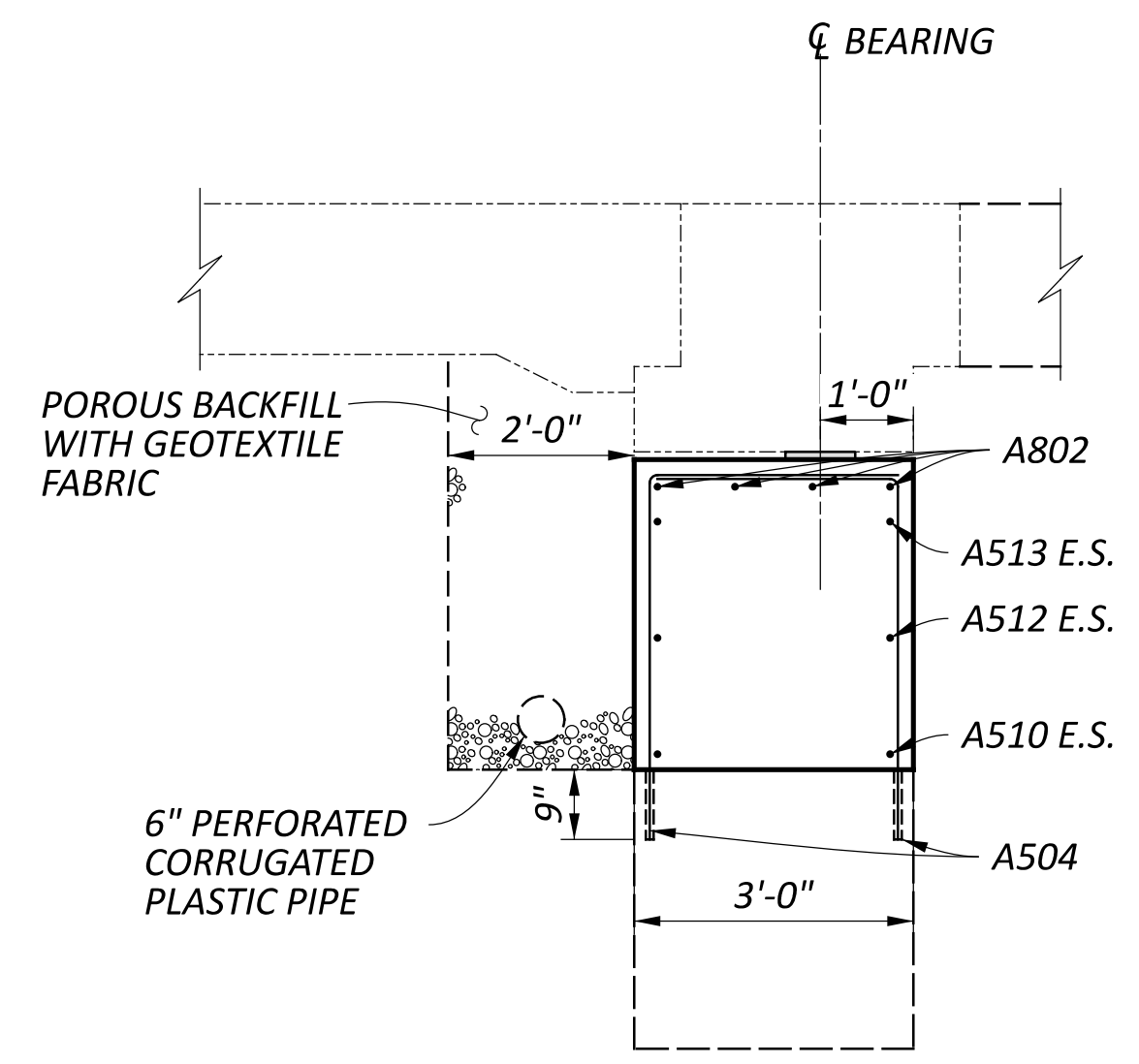


**WINGWALL "D"**



**SECTION G-G**

WINGWALL "D"	
LOCATION	ELEVATION
A	1049.29
B	1046.12

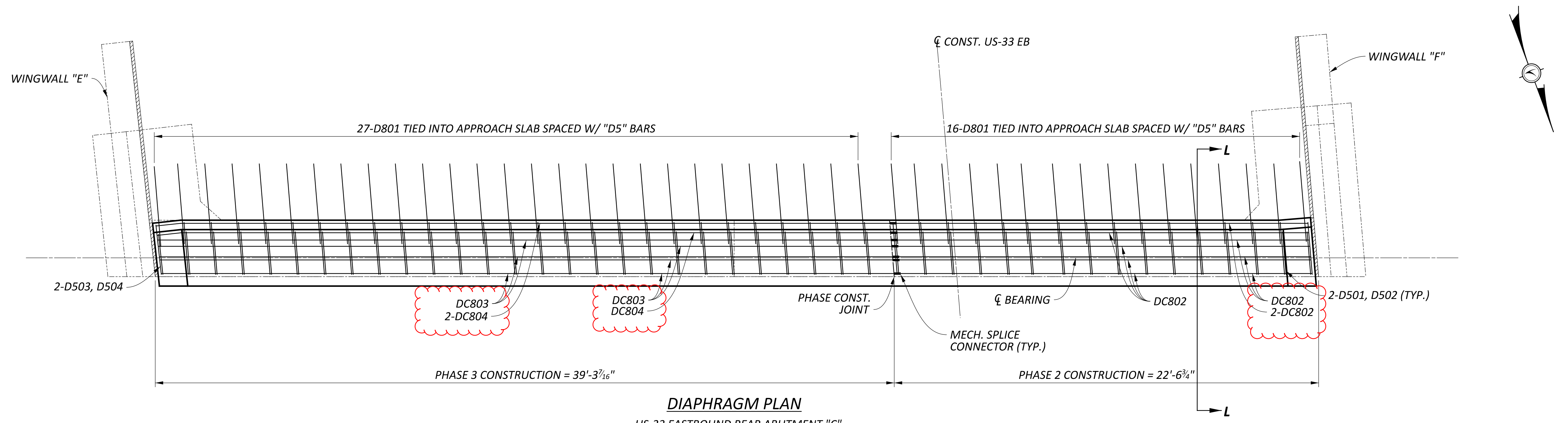


**SECTION E-E**  
 (NOT TO SCALE)

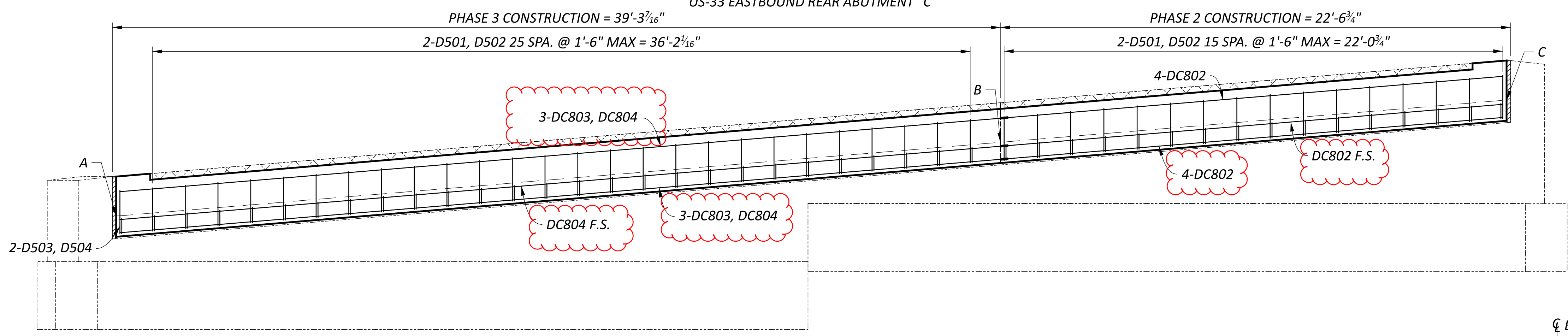
**NOTES**  
 1. ALL DOWELS ARE 1'-0" UNLESS OTHERWISE DETAILED.

PROPOSED WESTBOUND (L) FORWARD ABUTMENT  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	CPS
DATE	11/15/24
PROJECT ID	115675
SUBSET	18
TOTAL	37
SHEET	P.83
TOTAL	102

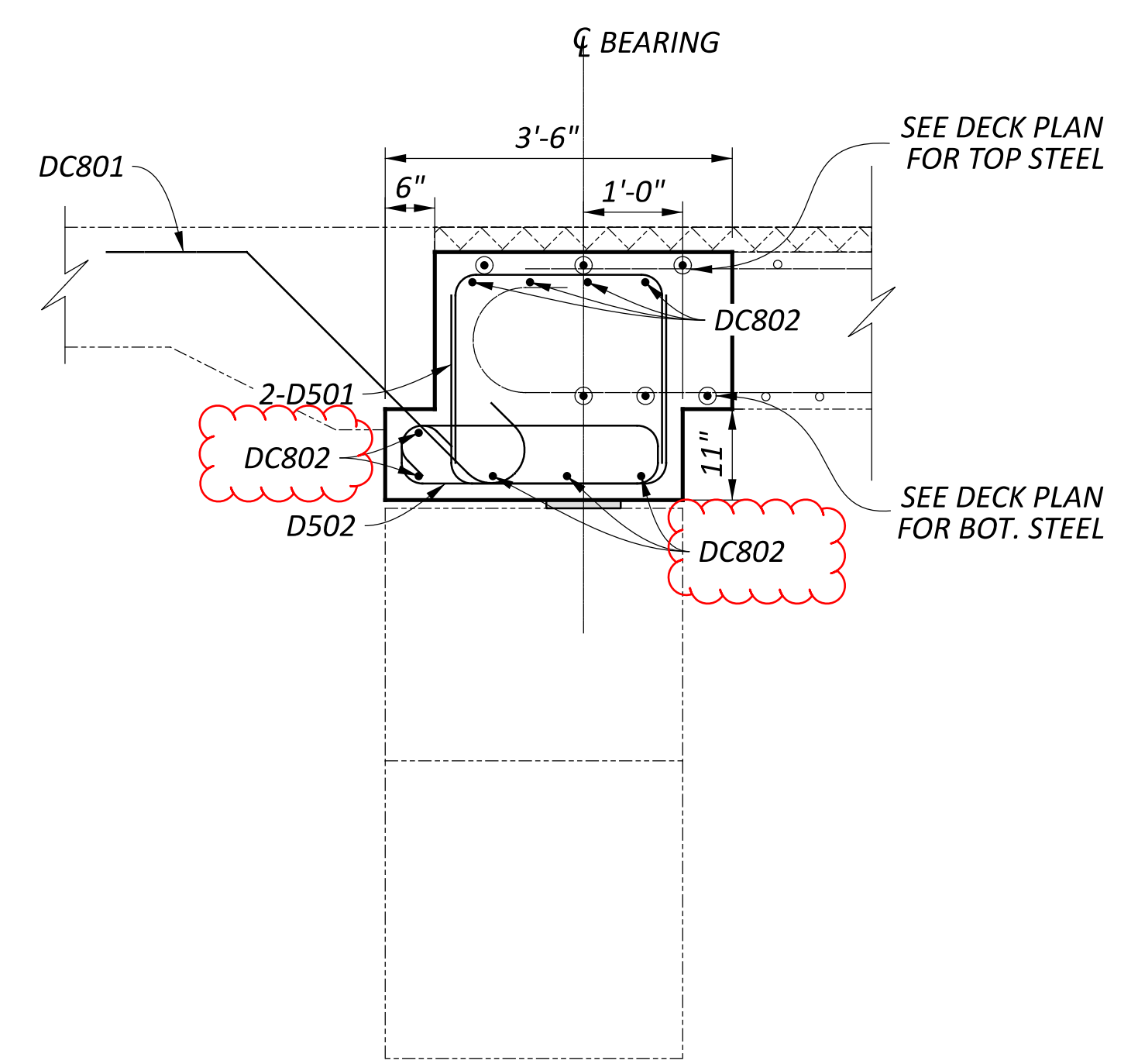


DIAPHRAGM PLAN

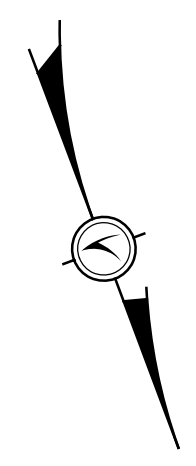


DIAPHRAGM ELEVATION  
US-33 EASTBOUND REAR ABUTMENT "C"

APPROACH SLAB ELEVATIONS	
LOCATION	ELEVATION
A	1042.98
B	1046.25
C	1048.12



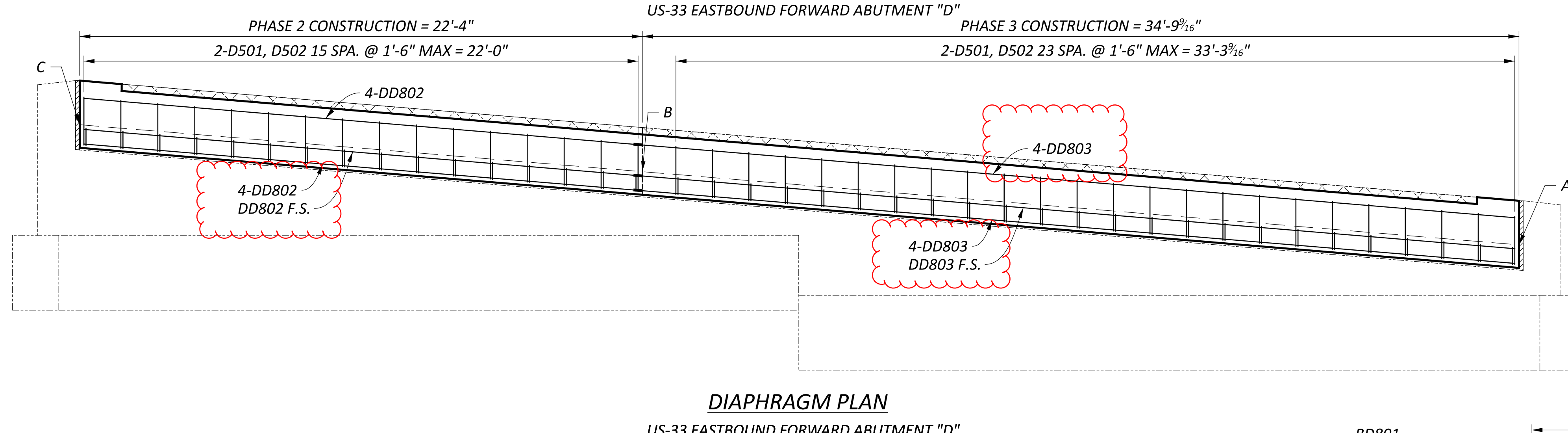
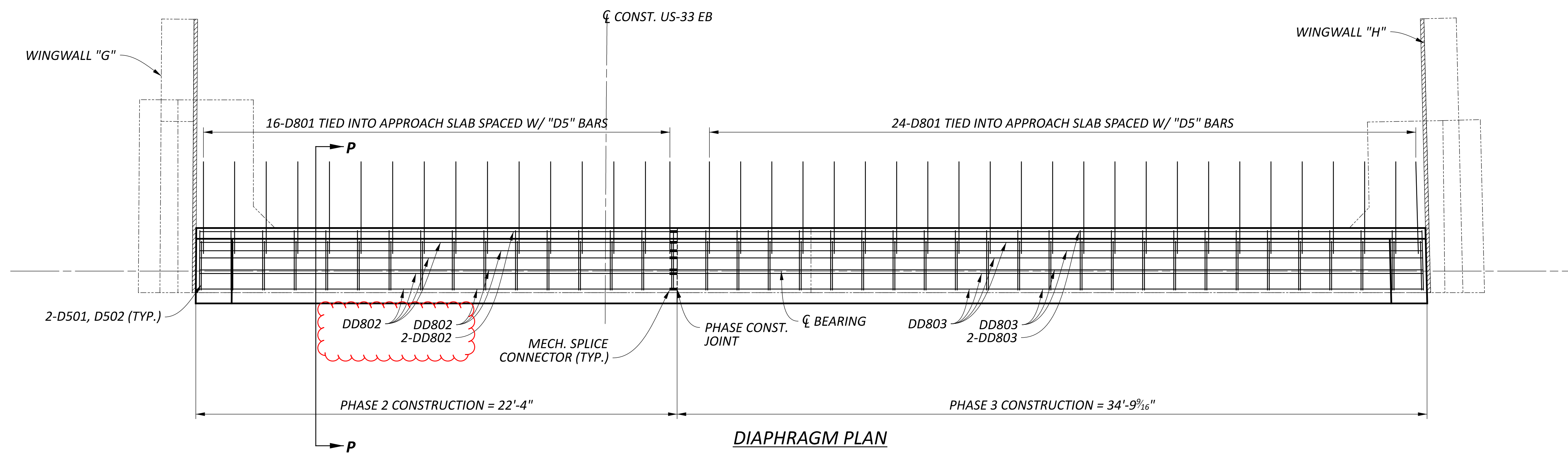
SECTION L-L  
(NOT TO SCALE)



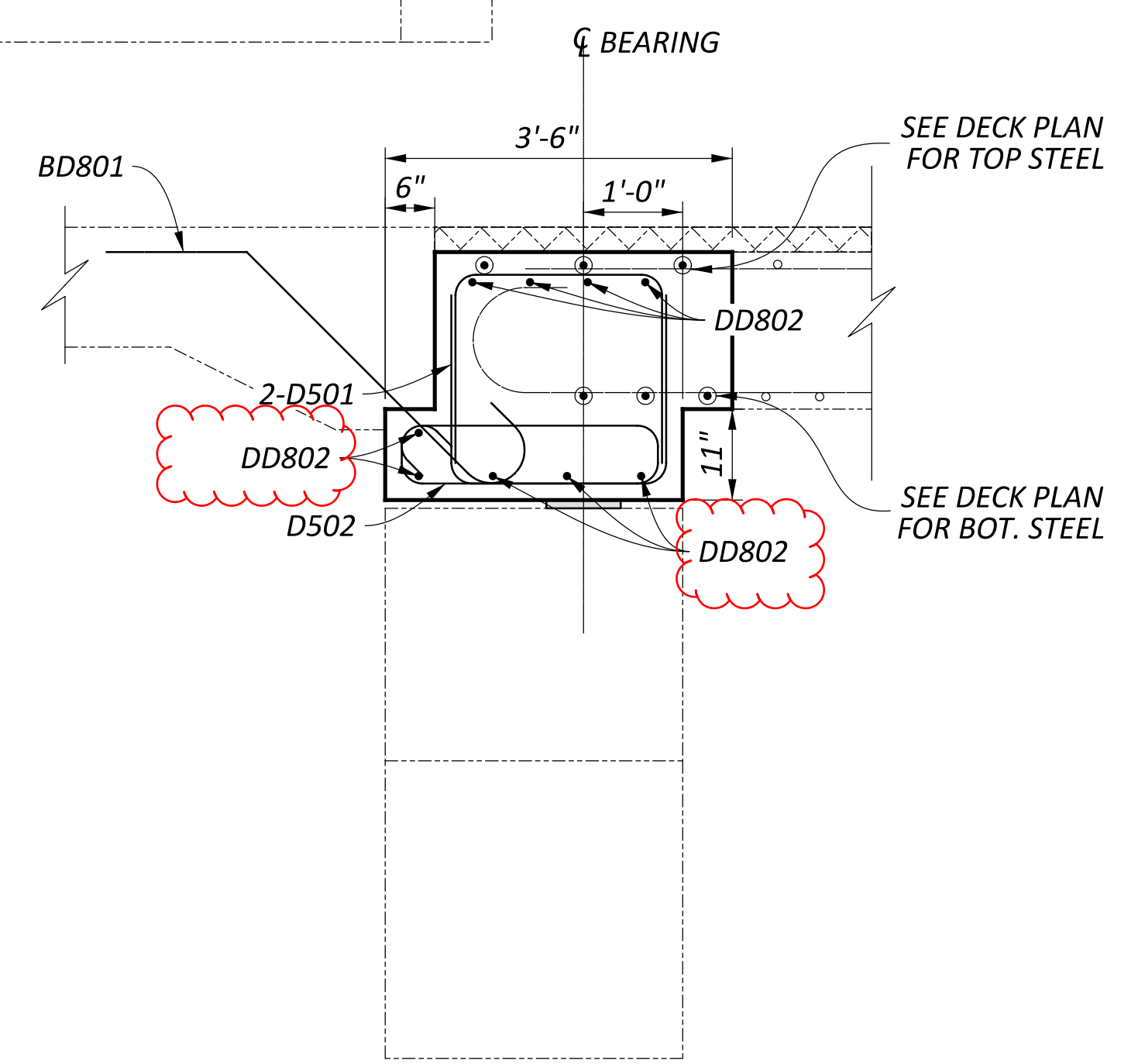
PROPOSED EASTBOUND (R) REAR ABUTMENT DIAPHRAGM  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	CPS
DATE	11/15/24
PROJECT ID	115675
SUBSET	20
TOTAL	37
SHEET	P.85
TOTAL	102



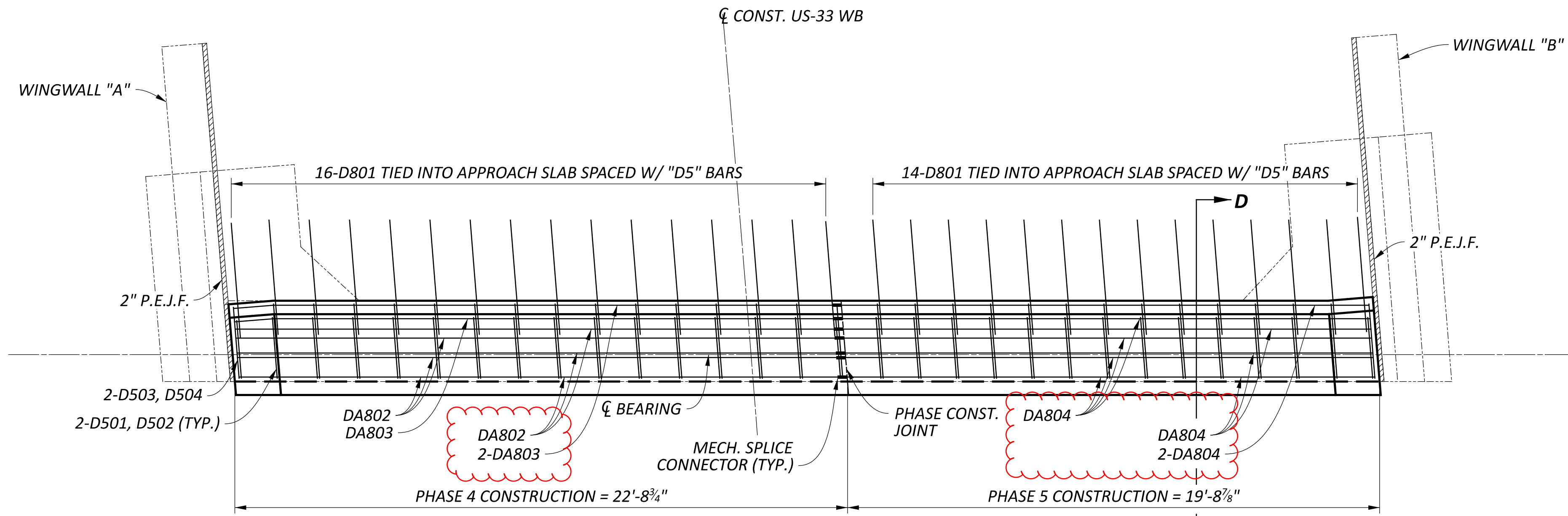


APPROACH SLAB ELEVATIONS	
LOCATION	ELEVATION
A	1043.97
B	1046.87
C	1048.73



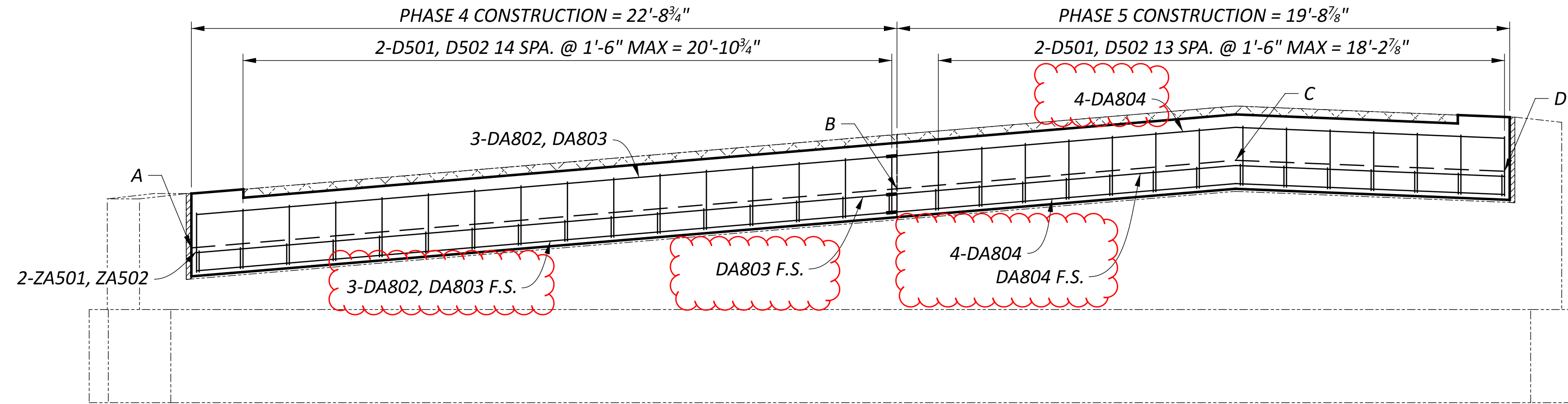
PROPOSED EASTBOUND (R) FORWARD ABUTMENT DIAPHRAGM  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	CPS
DATE	11/15/24
PROJECT ID	115675
SUBSET	21
TOTAL	37
SHEET	P.86
TOTAL	102



**DIAPHRAGM PLAN**

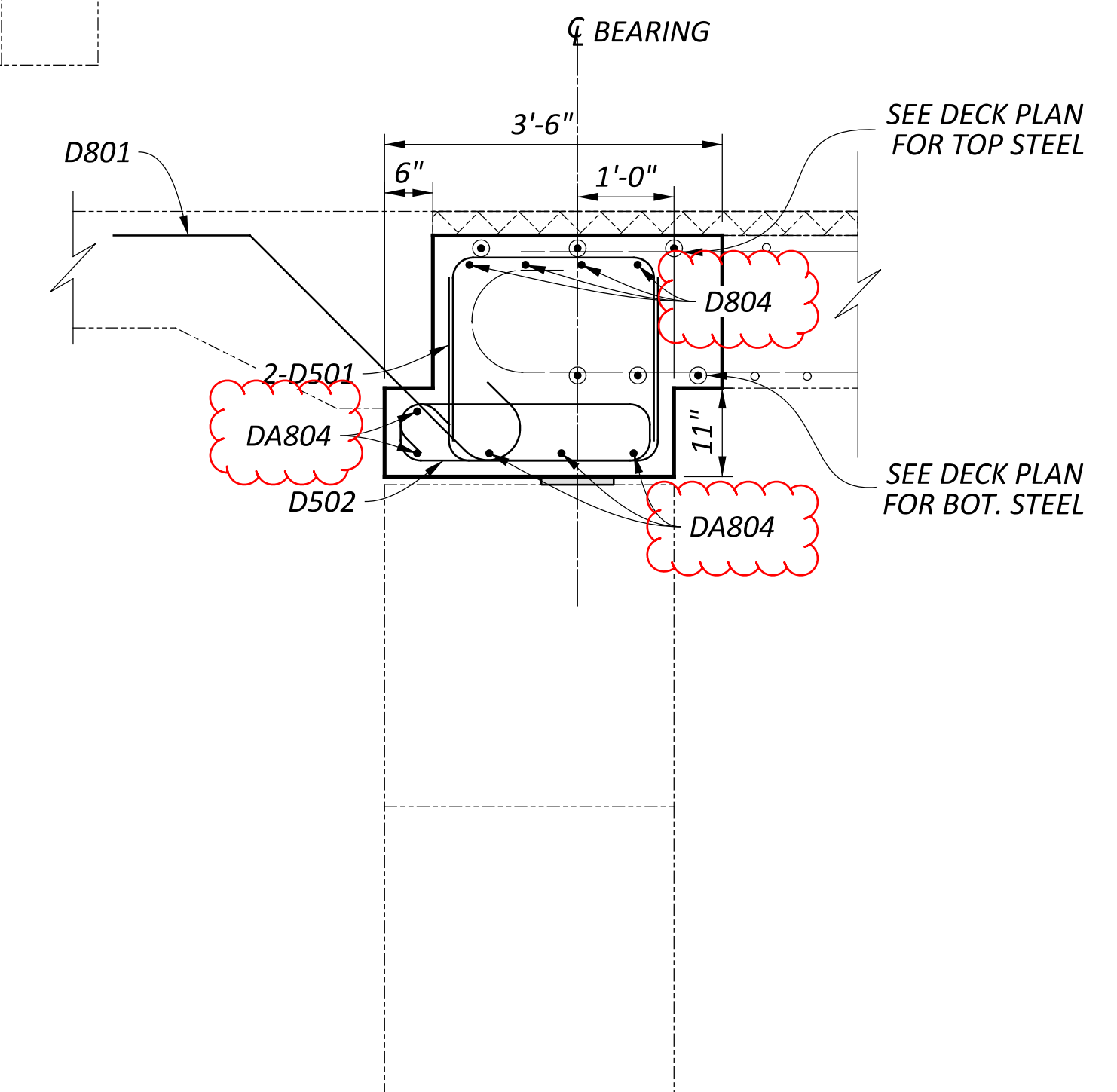
US-33 WESTBOUND REAR ABUTMENT "A"



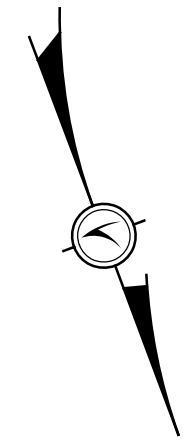
**DIAPHRAGM ELEVATION**

US-33 WESTBOUND REAR ABUTMENT "A"

APPROACH SLAB ELEVATIONS	
LOCATION	ELEVATION
A	1047.00
B	1048.90
C	1049.82
D	1049.47



**SECTION D-D**  
(NOT TO SCALE)



SFN 8000786

SFN 8000816

DESIGN AGENCY



DESIGNER JMB CHECKER JPH

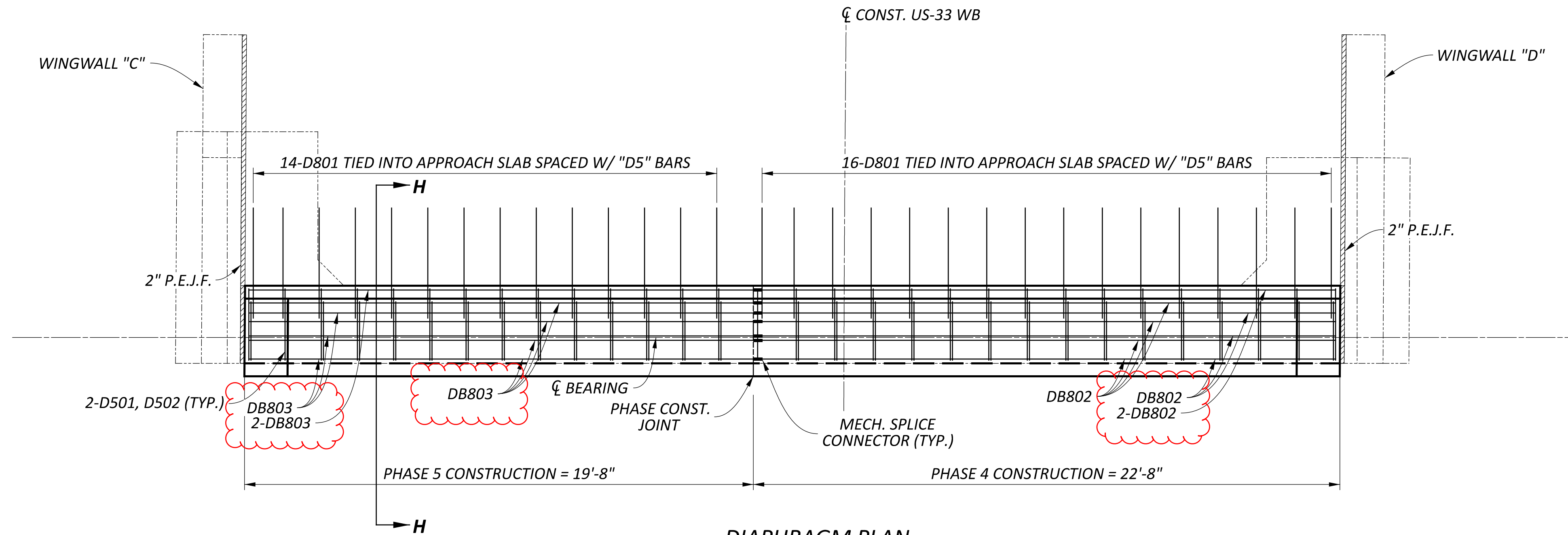
REVIEWER CPS 11/15/24

PROJECT ID 115675

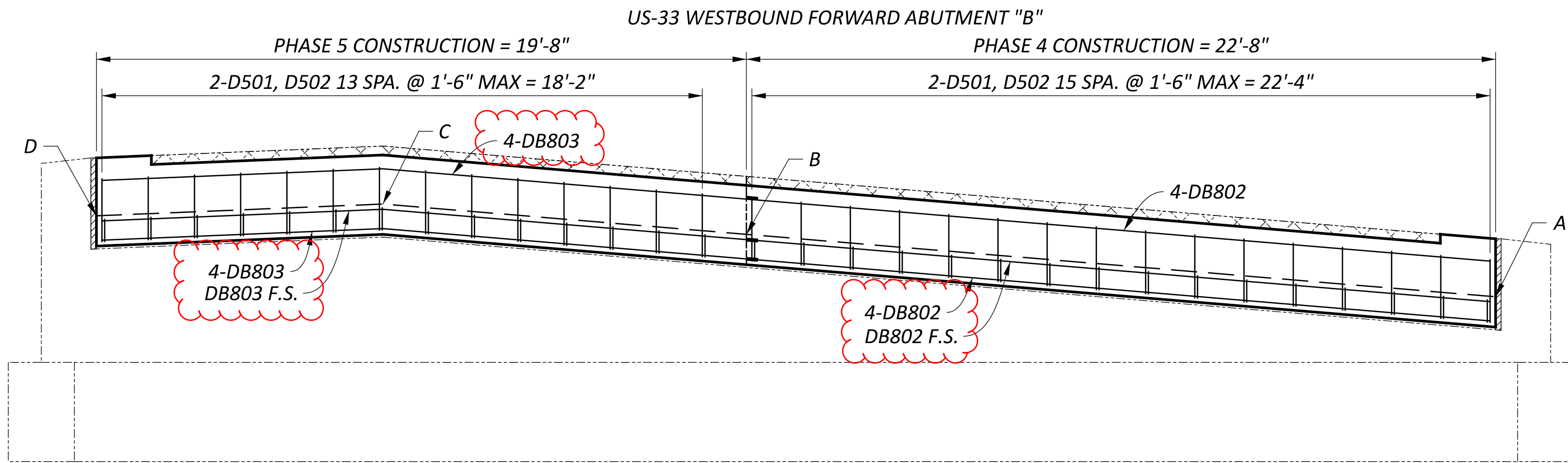
SUBSET 22 TOTAL 37

SHEET P.87 TOTAL 102



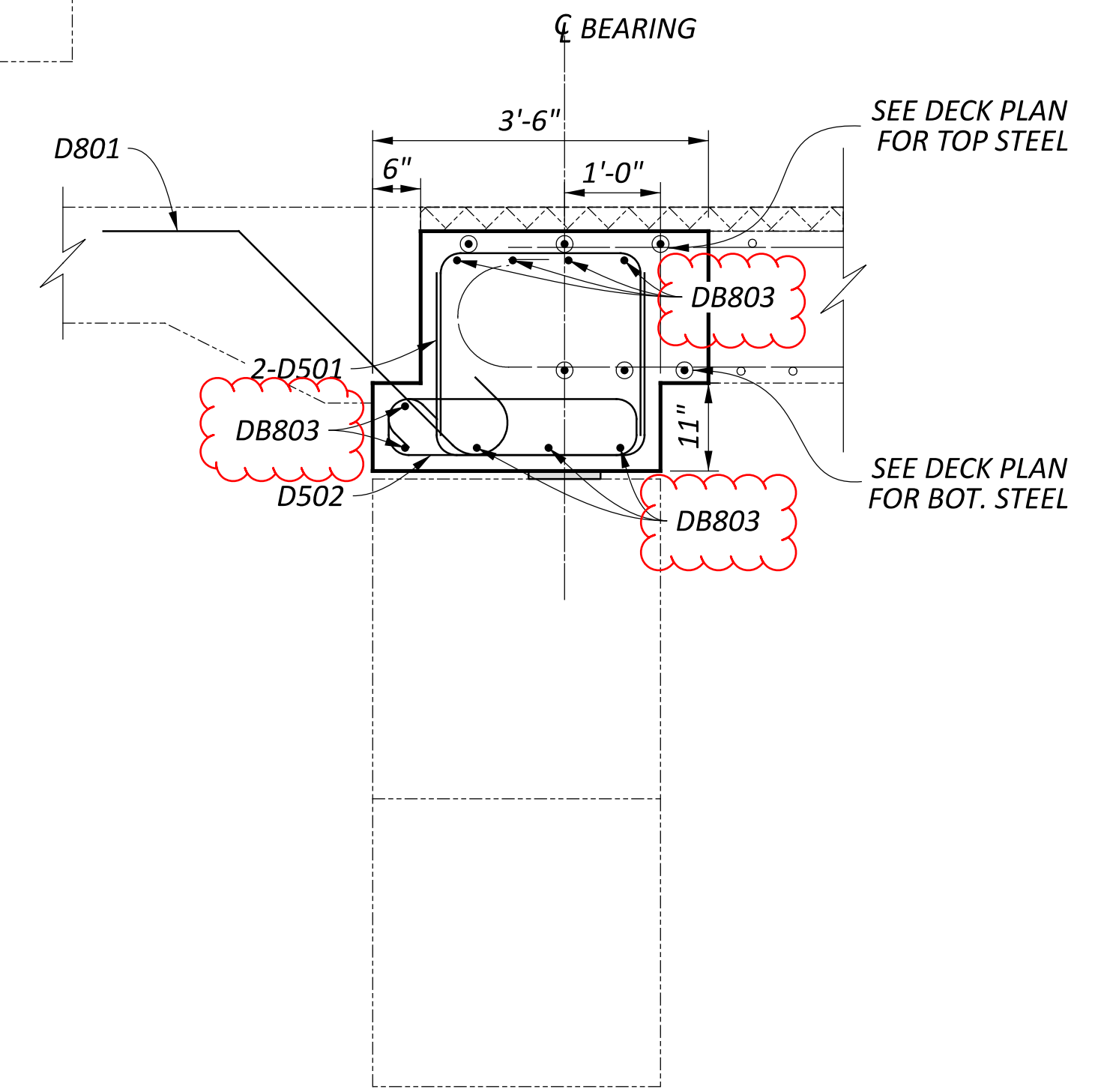


DIAPHRAGM PLAN

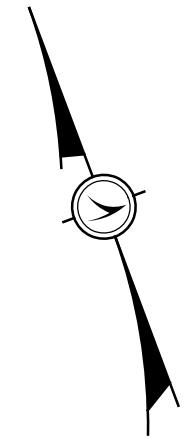


DIAPHRAGM ELEVATION  
 US-33 WESTBOUND FORWARD ABUTMENT "B"

APPROACH SLAB ELEVATIONS	
LOCATION	ELEVATION
A	1047.53
B	1049.42
C	1050.34
D	1049.98

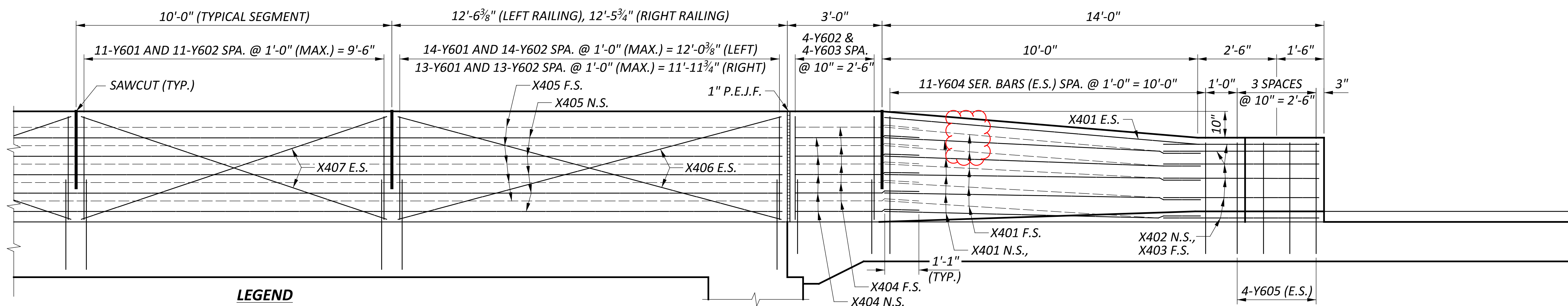
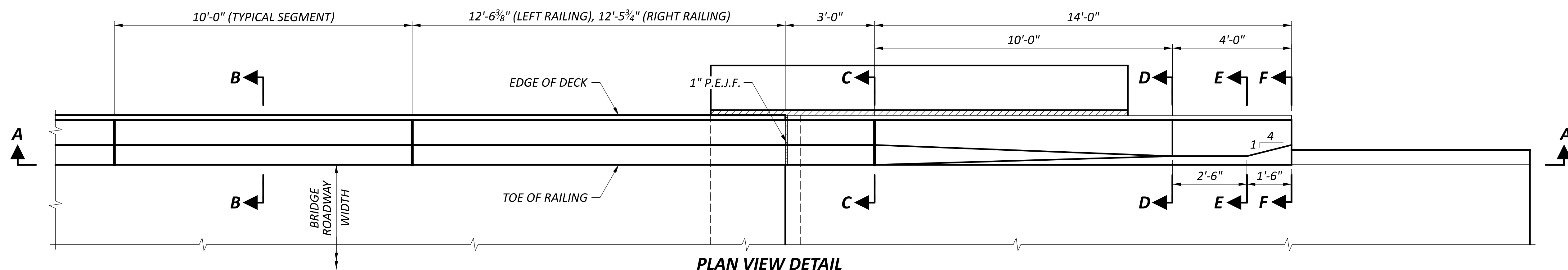
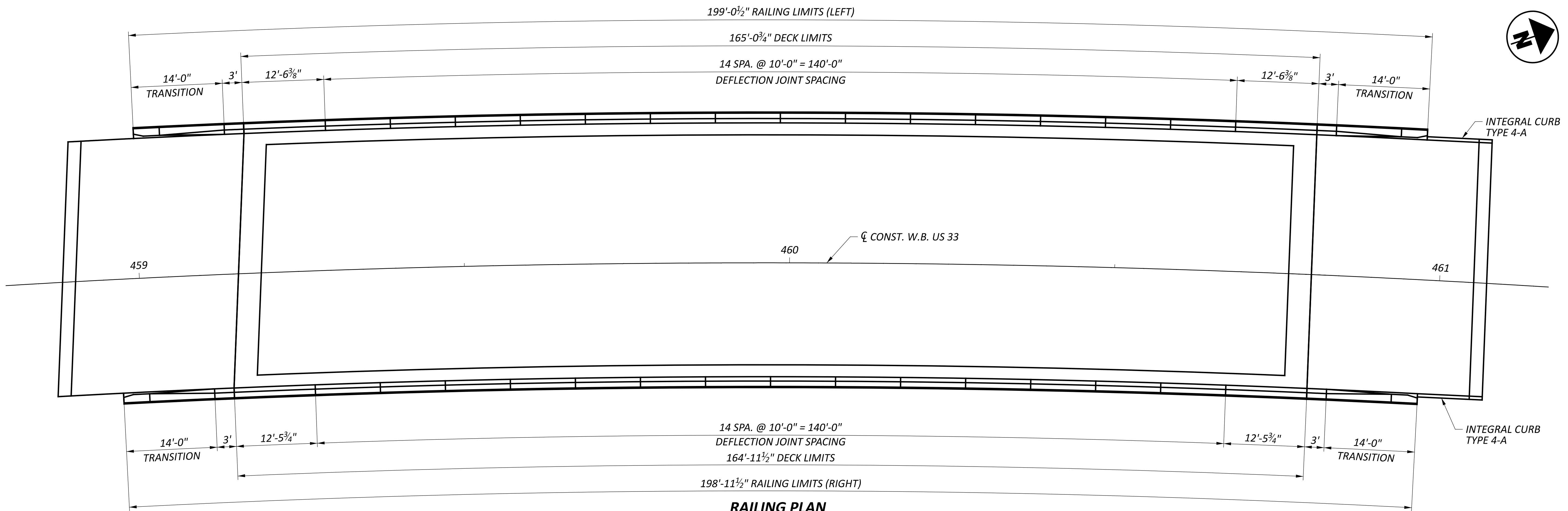


SECTION H-H  
 (NOT TO SCALE)



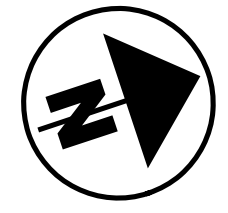
PROPOSED WESTBOUND (L) FORWARD ABUTMENT DIAPHRAGM  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	CPS
PROJECT ID	115675
SUBSET	23
TOTAL	37
SHEET	P.88
TOTAL	102



- NOTES**
- FOR RAILING SECTIONS, SEE SHEET 30/37.
  - SEE SCD SBR-1-20 FOR ADDITIONAL DETAILS AND NOTES.

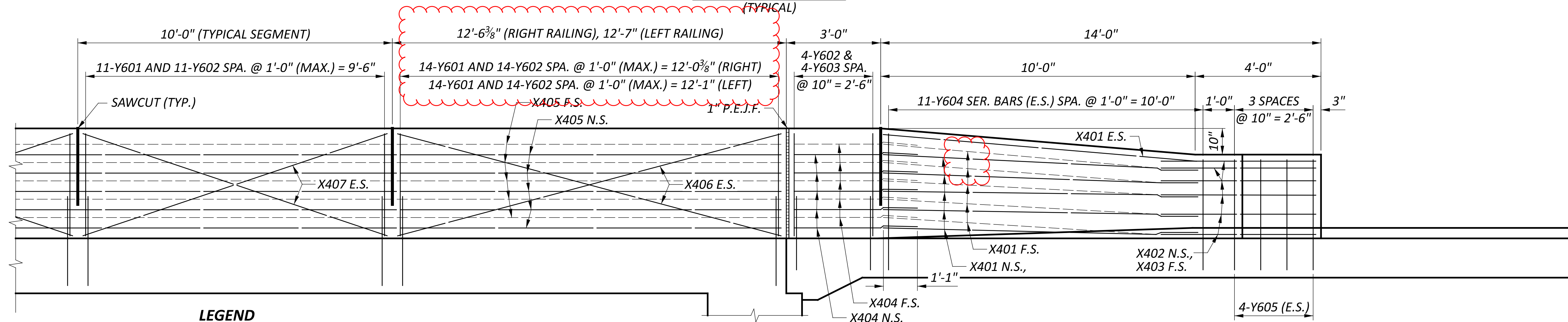
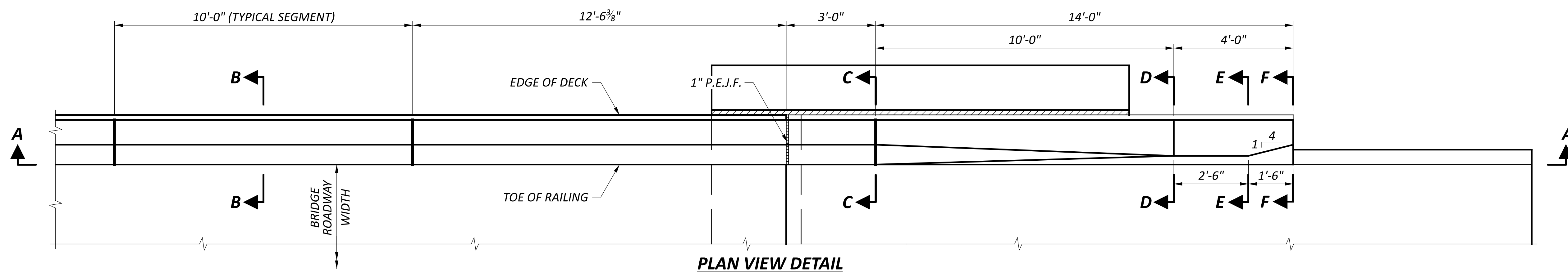
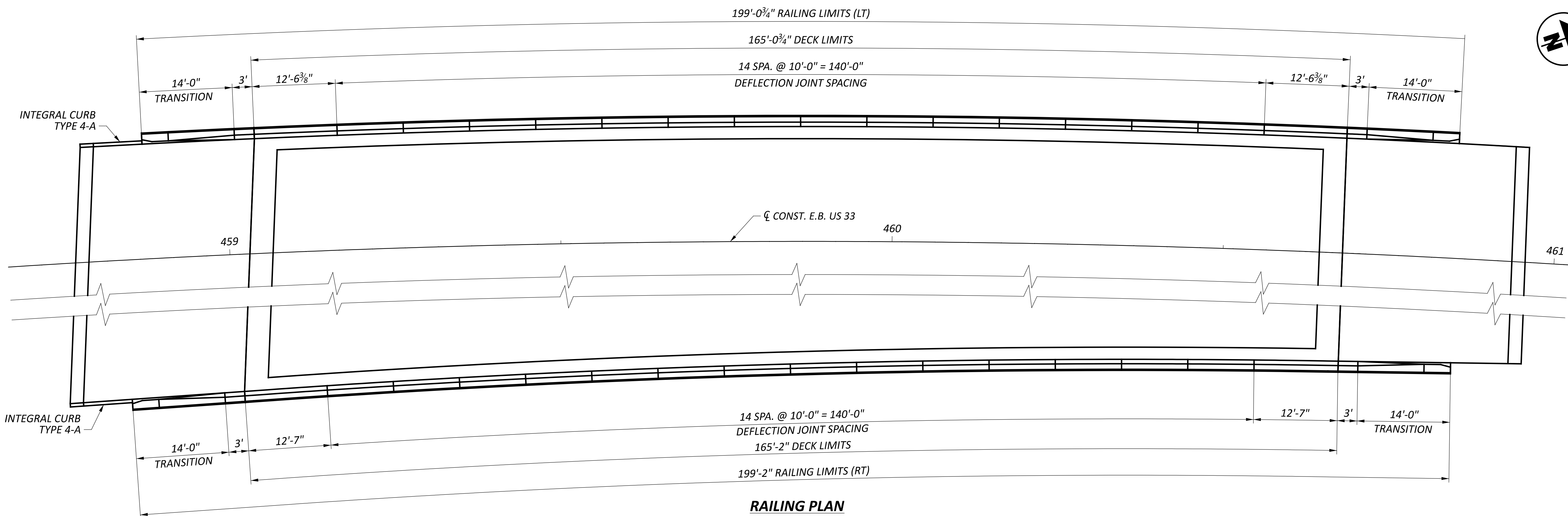
- LEGEND**
- E.S. - EACH SIDE
  - N.S. - NEAR SIDE
  - F.S. - FAR SIDE



RAILING DETAILS  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

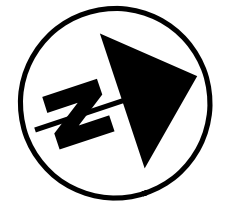
SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	
CPS	11/15/24
PROJECT ID	115675
SUBSET	28
TOTAL	37
SHEET	P.93
TOTAL	102





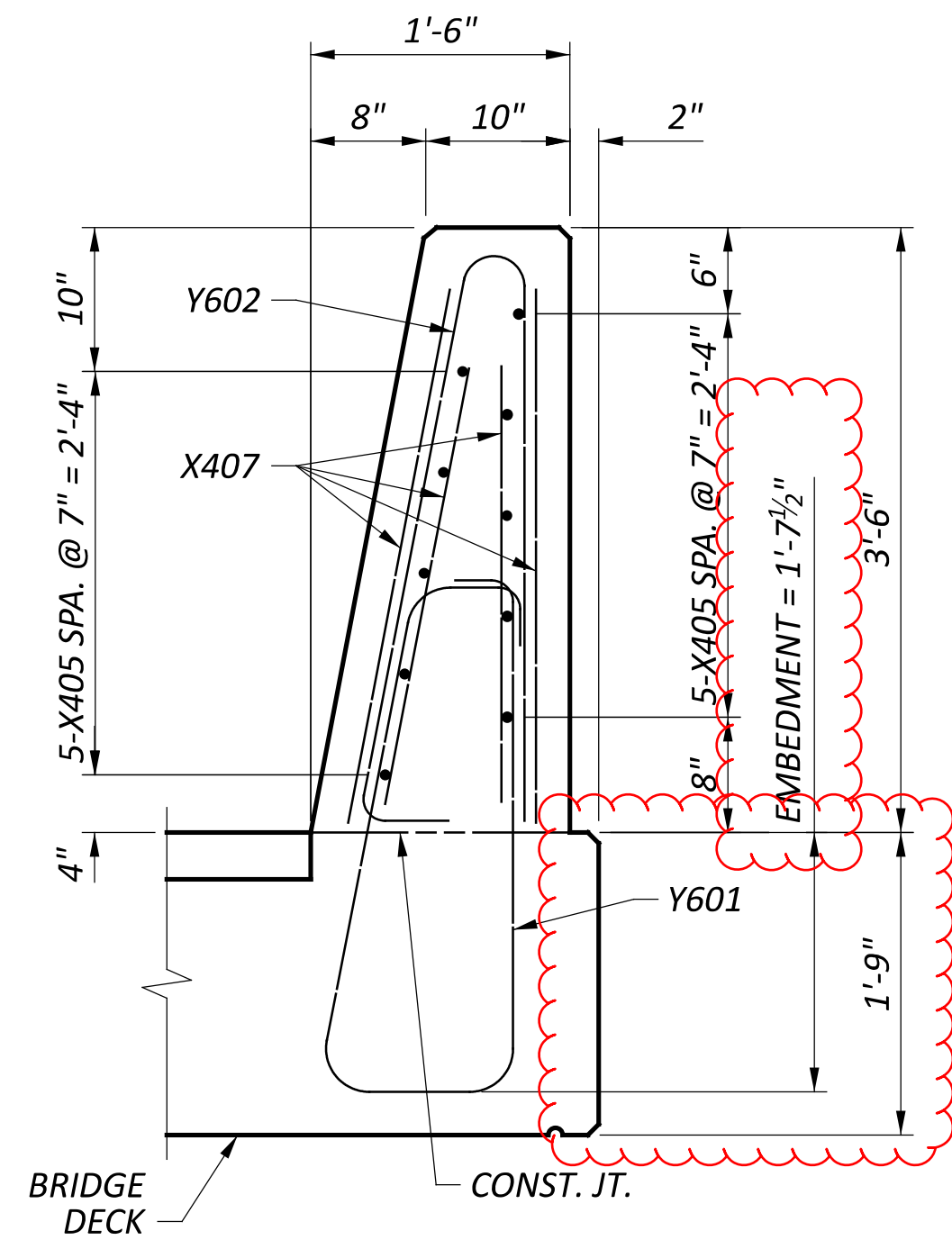
- NOTES**
- FOR RAILING SECTIONS, SEE SHEET 30/37.
  - SEE SCD SBR-1-20 FOR ADDITIONAL DETAILS AND NOTES.

- LEGEND**
- E.S. - EACH SIDE
  - N.S. - NEAR SIDE
  - F.S. - FAR SIDE

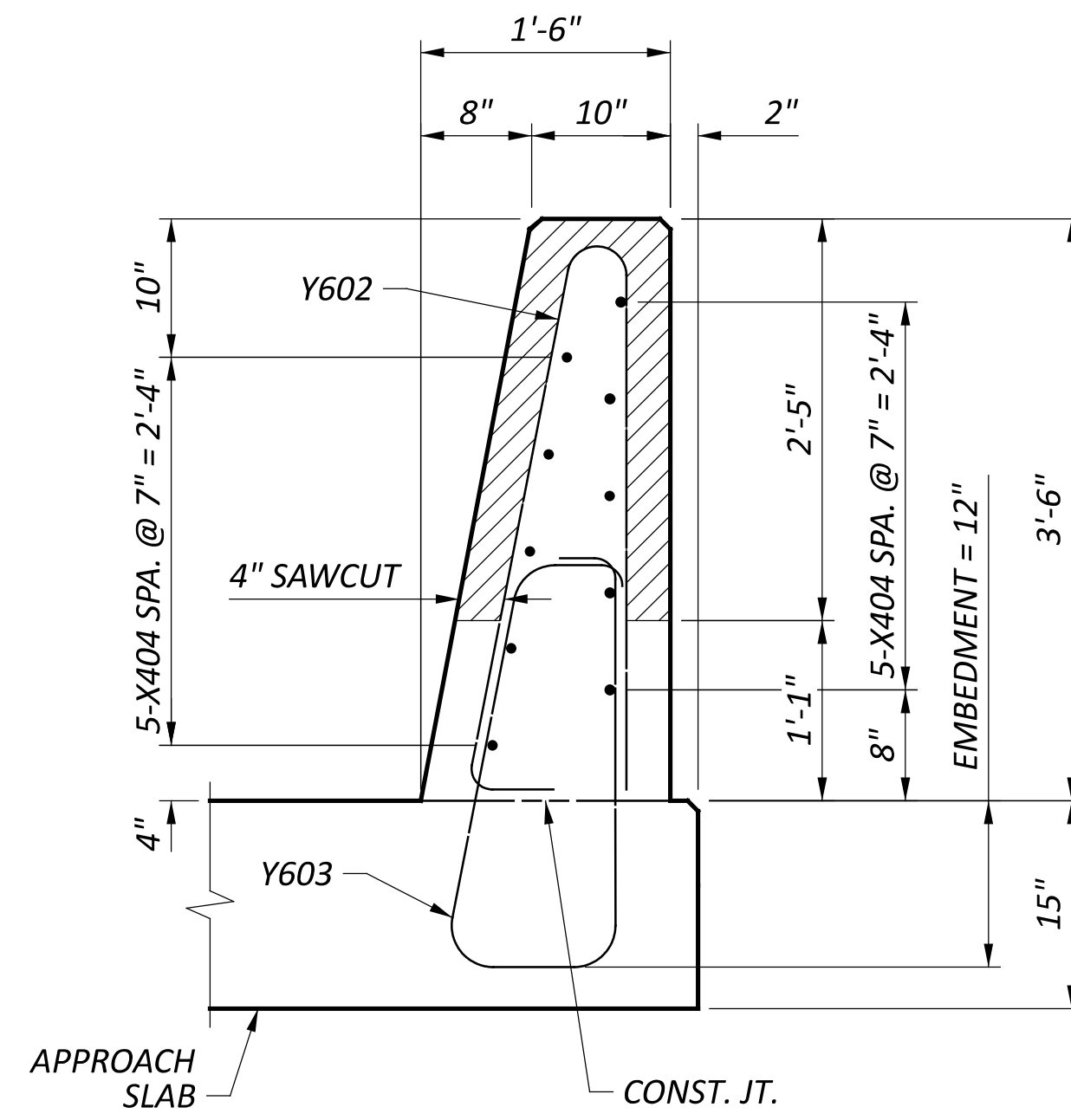


RAILING DETAILS  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

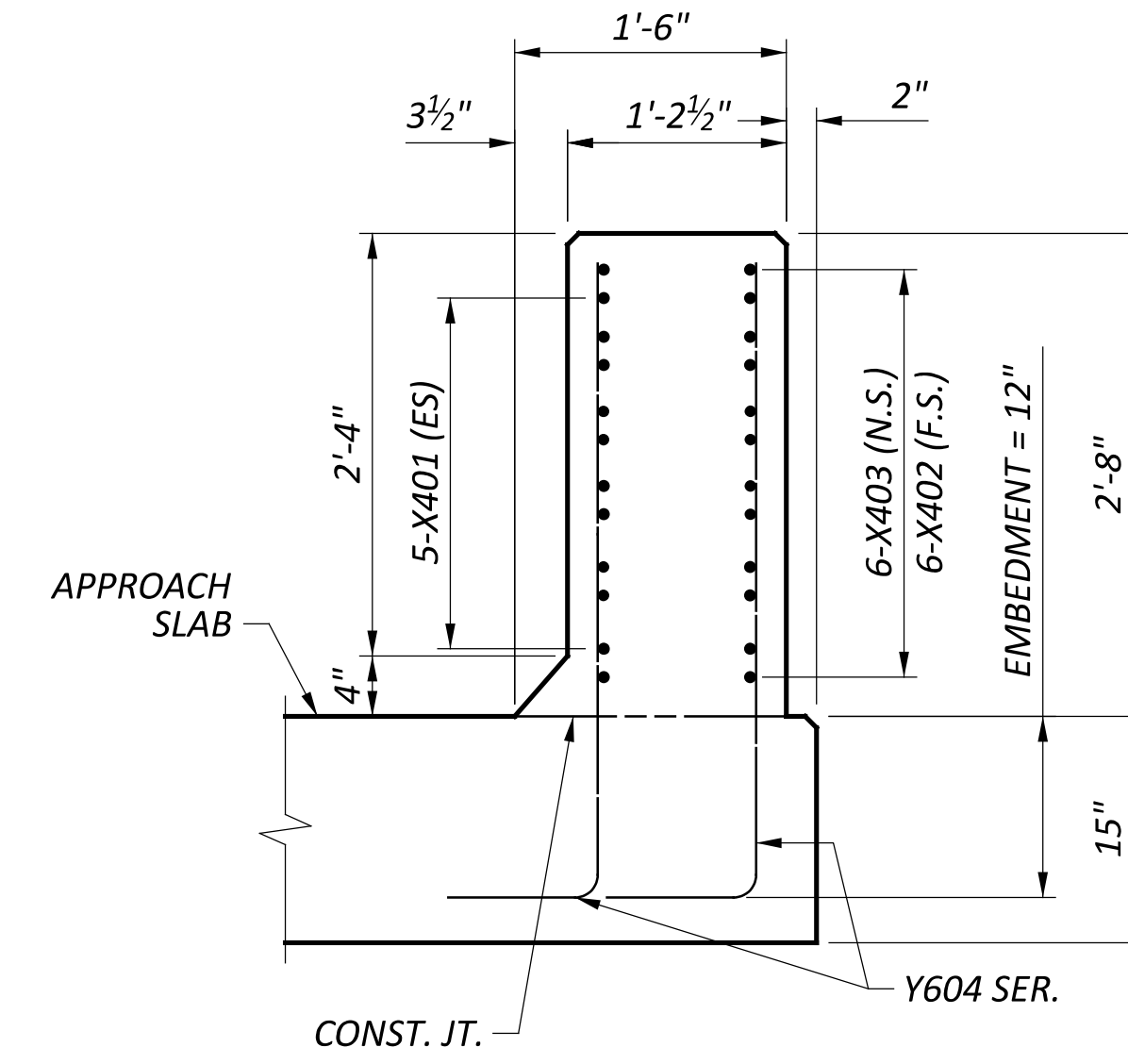
SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	
PROJECT ID	115675
SUBSET	29
TOTAL	37
SHEET	P.94
TOTAL	102



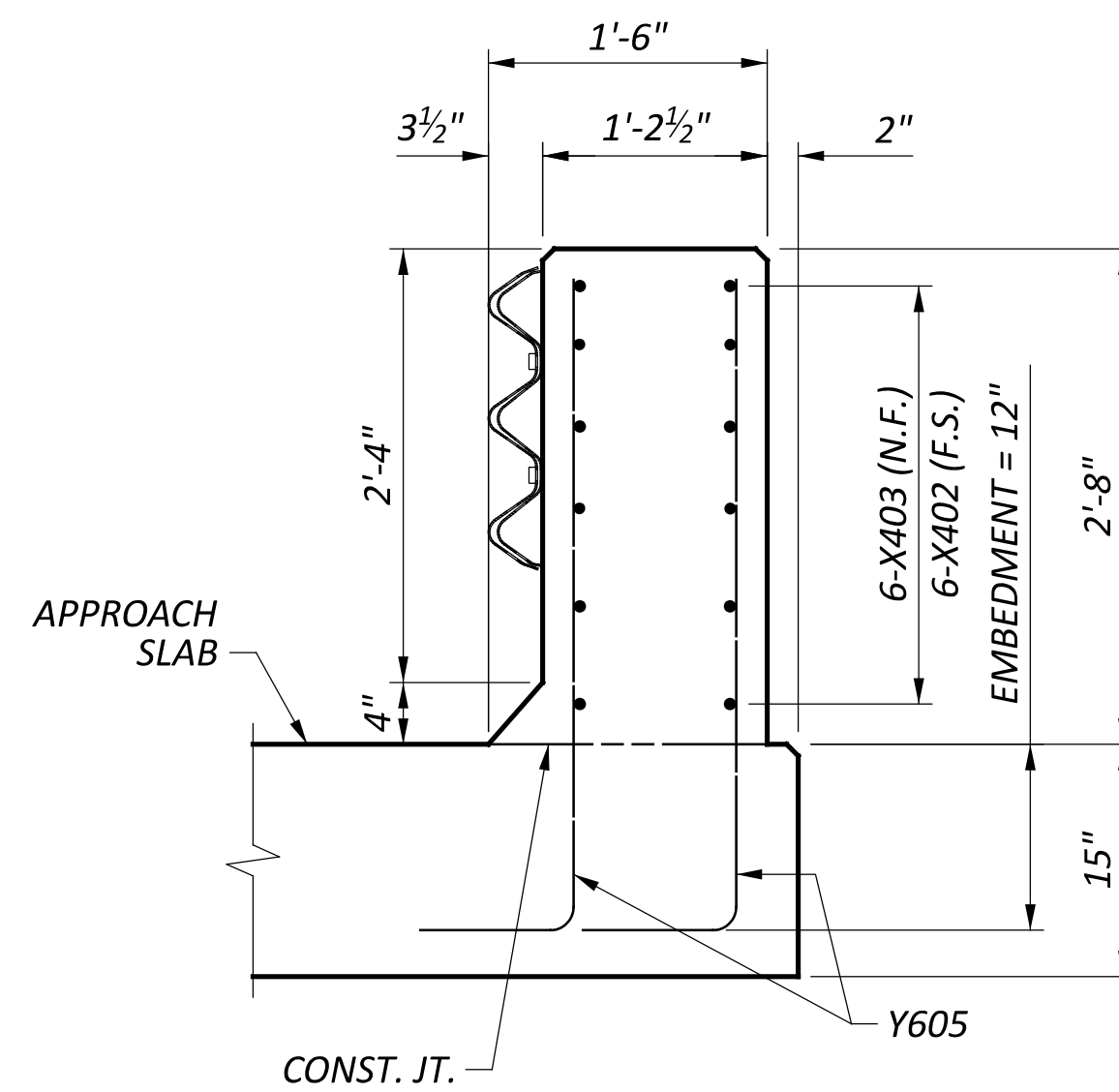
**SECTION B-B**



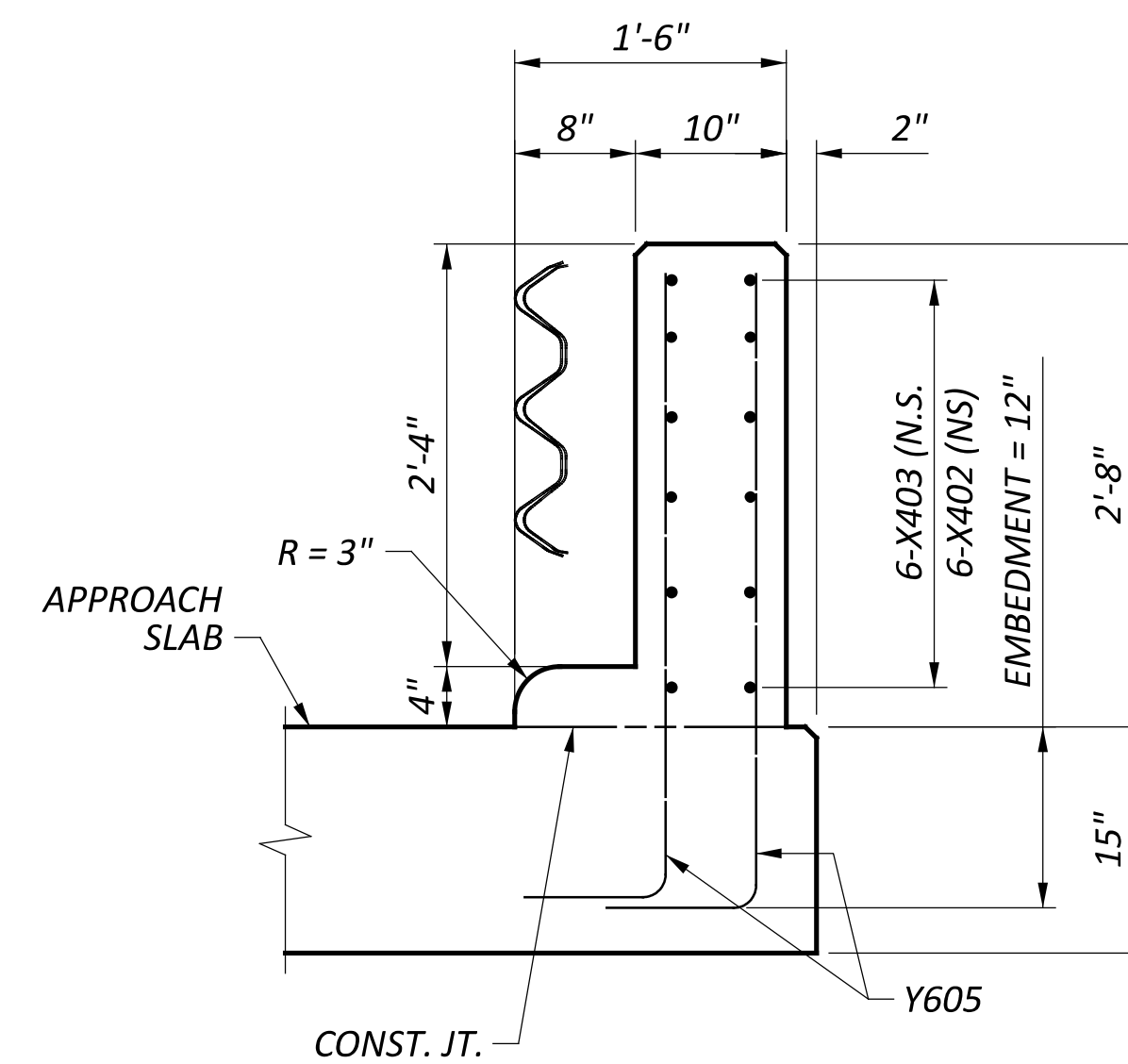
**SECTION C-C**



**SECTION D-D**



**SECTION E-E**



**SECTION F-F**

**NOTES**

1. FOR RAILING PLAN, SEE SHEET 28/37, 29/37.
2. SEE SCD SBR-1-20 FOR ADDITIONAL DETAILS AND NOTES.

**LEGEND**

- E.S. - EACH SIDE
- N.S. - NEAR SIDE
- F.S. - FAR SIDE

SFN 8000786

SFN 8000816

DESIGN AGENCY



DESIGNER JMB CHECKER JPH

REVIEWER CPS 11/15/24

PROJECT ID 115675

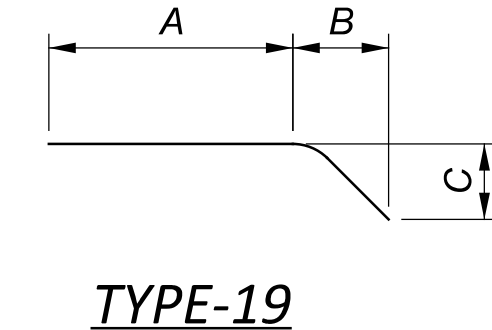
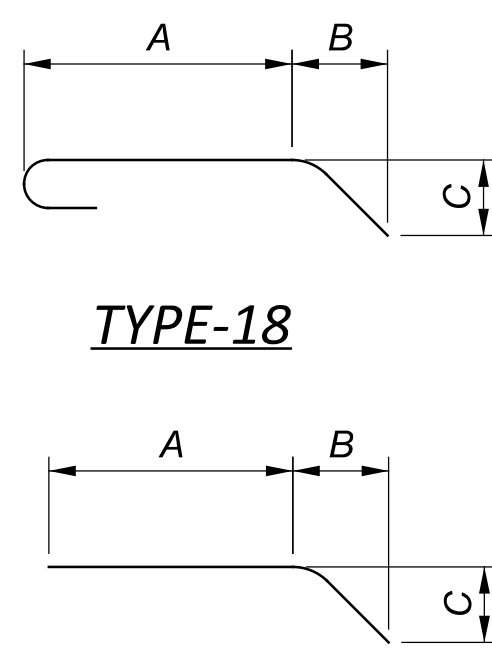
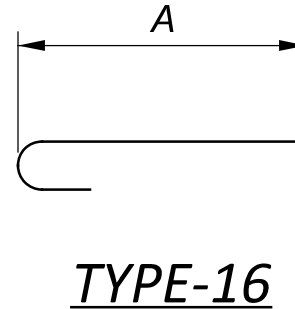
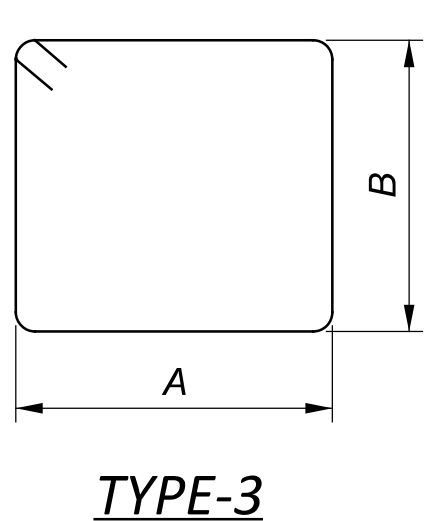
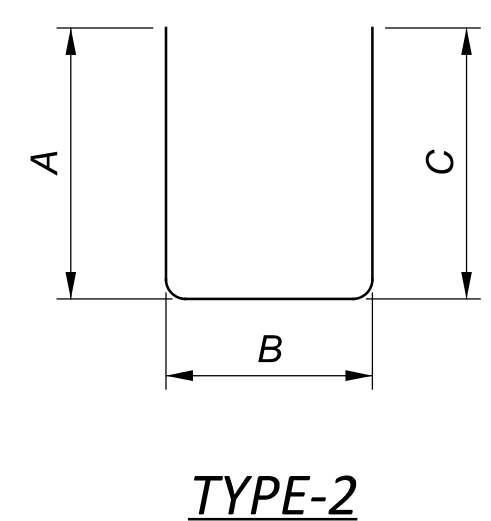
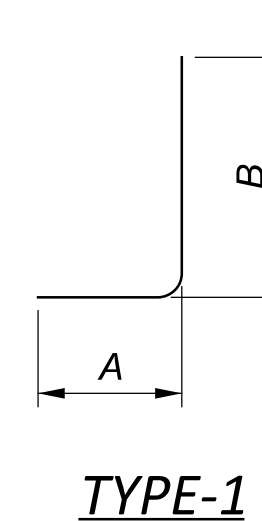
SUBSET TOTAL 30 37

SHEET TOTAL P.95 102



MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
		WESTBOUND		TOTAL				A	B	C	D	E	R	INC.
		REAR	FORWARD											
<b>WESTBOUND ABUTMENT(S) (GALVANIZED STEEL REINFORCEMENT - GSR)</b>														
A501	GSR	2 SERIES OF 16	2 SERIES OF 16	4 SERIES OF 16	4'-2" TO 6'-0"	339	1	2'-8"	1'-7" TO 3'-5"					0'-1.5"
A502	GSR	2 SERIES OF 7	2 SERIES OF 7	4 SERIES OF 7	6'-2" TO 6'-10"	190	1	2'-8"	3'-7" TO 4'-3"					0'-1.3"
A503	GSR	2	2	4	7'-0"	29	1	2'-8"	4'-5"					
A504	GSR	2	2	4	6'-11"	29	1	2'-8"	4'-4"					
A505	GSR	4	4	8	6'-10"	57	1	2'-8"	4'-3"					
A506	GSR	2	2	4	6'-9"	28	1	2'-8"	4'-2"					
A507	GSR	2	2	4	6'-8"	28	1	2'-8"	4'-1"					
A508	GSR	2	2	4	6'-7"	27	1	2'-8"	4'-0"					
A509	GSR	2	2	4	24'-9"	103	16	24'-2"						
A510	GSR	2	2	4	21'-9"	91	16	21'-2"						
A511	GSR	2	2	4	14'-6"	60	STR							
A512	GSR	2	2	4	21'-2"	88	STR							
A513	GSR	2	2	4	19'-8"	82	STR							
A514	GSR	38	38	76	5'-4"	423	1	2'-10"	2'-7"					
AA515	GSR	11		11	7'-4"	84	STR							
AA517	GSR	6		6	12'-1"	76	STR							
AB515	GSR	9		9	8'-9"	82	STR							
AB516	GSR	6		6	7'-9"	48	STR							
AB517	GSR	6		6	12'-6"	78	STR							
AC515	GSR	9		9	8'-7"	81	STR							
AC516	GSR	6		6	7'-7"	47	STR							
AC517	GSR	6		6	12'-4"	77	STR							
AD515	GSR	11		11	7'-7"	87	STR							
AD517	GSR	6		6	12'-4"	77	STR							
A518	GSR	9		18	6'-2"	116	STR							
A519	GSR	9		18	8'-7"	161	2	4'-5"	1'-2"	3'-3"				
A520	GSR	5		10	8'-3"	86	3	2'-8"	1'-2"					
A521	GSR	9		18	6'-10"	128	STR							
A522	GSR	9		18	8'-7"	161	STR							
A523	GSR	9		18	5'-5"	102	2	2'-3"	1'-2"	2'-3"				
A524	GSR	1 SERIES OF 5	1 SERIES OF 5	2 SERIES OF 5	8'-3" TO 9'-3"	91	3	2'-8" TO 3'-2"	1'-2"					0'-3"
A525	GSR	2	2	4	7'-3"	30	19	2'-7"	0'-7"	4'-9"				
A801	GSR	4	4	8	24'-2"	516	STR							
A802	GSR	4	4	8	22'-1"	472	18	10'-3"	10'-11"	1'-4"				
<b>WESTBOUND ABUTMENT(S) GSR TOTAL</b>						<b>4,174</b>								

MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS						
		EASTBOUND		TOTAL				A	B	C	D	E	R	INC.
		REAR	FORWARD											
<b>EASTBOUND ABUTMENT(S) (GALVANIZED STEEL REINFORCEMENT - GSR)</b>														
AC501	GSR	2 SERIES OF 16		2 SERIES OF 16	4'-11" TO 6'-9"	195	1	2'-8"	2'-4" TO 4'-2"					0'-1.5"
AC502	GSR	2 SERIES OF 5		2 SERIES OF 5	4'-3" TO 4'-9"	47	1	2'-8"	1'-8" TO 2'-2"					0'-1.5"
AC503	GSR	22		22	4'-2" TO 6'-9"	250	1	2'-8"	1'-7" TO 4'-2"					0'-1.5"
AC505	GSR	2		2	24'-6"	51	16	23'-11"						
AC506	GSR	2		2	21'-0"	44	STR							
AC507	GSR	2		2	16'-6"	34	STR							
AC508	GSR	2		2	32'-7"	68	16	32'-0"						
AC509	GSR	2		2	23'-3"	48	STR							
AD501	GSR	2 SERIES OF 16		2 SERIES OF 16	4'-8" TO 6'-7"	188	1	2'-8"	2'-1" TO 4'-0"					0'-1.5"
AD502	GSR	2 SERIES OF 4		2 SERIES OF 4	4'-3" TO 4'-7"	37	1	2'-8"	1'-8" TO 2'-0"					0'-1.3"
AD503	GSR	2 SERIES OF 20		2 SERIES OF 20	4'-2" TO 6'-6"	223	1	2'-8"	1'-7" TO 3'-11"					0'-1.5"
AD504	GSR	2		2	24'-6"	51	16	23'-10"						
AD505	GSR	2		2	19'-10"	41	STR							
AD506	GSR	2		2	14'-3"	30	STR							
AD507	GSR	2		2	30'-6"	64	16	29'-11"						
AD508	GSR	2		2	22'-1"	46	STR							
A510	GSR	38		38	5'-2"	410	1	2'-8"	2'-7"					
AE511	GSR	11		11	7'-2"	82	STR							
AE513	GSR	6		6	12'-1"	76	STR							
AF511	GSR	9		9	8'-9"	82	STR							
AF512	GSR	6		6	7'-9"	48	STR							
AF513	GSR	6		6	12'-6"	78	STR							
AG511	GSR	9		9	8'-7"	81	STR							
AG512	GSR	6		6	7'-7"	47	STR							
AG513	GSR	6		6	12'-4"	77	STR							
AH511	GSR	11		11	7'-7"	87	STR							
AH513	GSR	6		6	12'-4"	77	STR							
A514	GSR	9		18	6'-2"	116	STR							
A515	GSR	9		18	8'-7"	161	2	4'-5"	1'-2"	3'-3"				
A516	GSR	5		10	8'-3"	86	3	2'-8"	1'-2"					
A517	GSR	9		18	6'-10"	128	STR							
A518	GSR	9		18	8'-7"	161	STR							
A519	GSR	9		18	5'-5"	102	2	2'-3"	1'-2"	2'-3"				
A520	GSR	1 SERIES OF 5	1 SERIES OF 5	2 SERIES OF 5	8'-3" TO 9'-3"	91	3	1'-2"	2'-8" TO 3'-2"					0'-3"
A521	GSR	2	2	4	7'-2"	30	19	2'-6"	0'-7"	4'-9"				
AC801	GSR	4		4	24'-10"	265	16	23'-11"						
AC802	GSR	4		4	40'-8"	434	STR							
AD801	GSR	4		4	24'-9"	264	16	23'-10"						
AD802	GSR	4		4	36'-3"	387	STR							
<b>EASTBOUND ABUTMENT(S) GSR TOTAL</b>						<b>4,787</b>								



**BENDING DIAGRAMS**

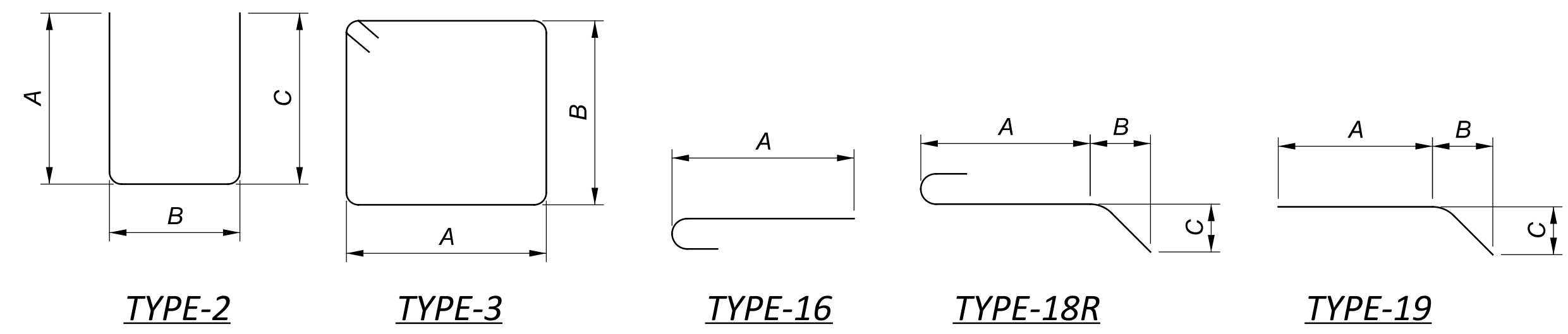
**REINFORCING SCHEDULE**  
**BRIDGE NO. UNI-33-0879 L&R**  
**OVER CR-133 (NORTHWEST PKWY.)**

SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	CPS
PROJECT ID	115675
SUBSET	31
TOTAL	37
SHEET	P.96
TOTAL	102

MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS												
		WESTBOUND		TOTAL				A	B	C	D	E	R	INC.						
		REAR	FORWARD																	
<b>WESTBOUND DIAPHRAGM(S) (GALVANIZED STEEL REINFORCEMENT - GSR)</b>																				
D501	GSR	58	60	118	5'-7"	687	2	1'-10"	2'-2"	1'-10"										
D502	GSR	29	30	59	7'-1"	436	3	0'-7"	2'-8"											
D503	GSR	2		2	5'-6"	11	2	1'-10"	2'-1"	1'-10"										
D504	GSR	1		1	6'-11"	7	3	0'-7"	2'-7"											
D801	GSR	30	30	60	5'-8"	908	18R	3'-4.5"	1'-0"	1'-0"										
DA802	GSR	6		6	22'-7"	362	STR													
DA803	GSR	3		3	22'-7"	181	19	21'-1"	1'-6"	0'-1"										
DA804	GSR	9		9	19'-7"	471	19	10'-11"	8'-8"	1'-1"										
DB802	GSR		9	9	22'-6"	541	STR													
DB803	GSR		9	9	19'-6"	469	19	11'-0"	8'-6"	1'-1"										
<b>WESTBOUND DIAPHRAGM(S) GSR TOTAL</b>						<b>4,073</b>														

MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS												
		EASTBOUND		TOTAL				A	B	C	D	E	R	INC.						
		REAR	FORWARD																	
<b>EASTBOUND DIAPHRAGM(S) (GALVANIZED STEEL REINFORCEMENT - GSR)</b>																				
D501	GSR	84	80	164	5'-7"	955	2	1'-10"	2'-2"	1'-10"										
D502	GSR	42	40	82	7'-1"	606	3	0'-7"	2'-8"											
D503	GSR	2		2	5'-6"	11	2	1'-10"	2'-1"	1'-10"										
D504	GSR	1		1	7'-0"	7	3	0'-7"	2'-7"											
D801	GSR	43	40	83	5'-8"	1,256	18R	3'-4.5"	1'-0"	1'-0"										
DC802	GSR	9		9	22'-3"	535	STR													
DC803	GSR	6		6	39'-1"	626	STR													
DC804	GSR	3		3	39'-1"	313	19	37'-10"	1'-3"	0'-2"										
DD802	GSR		9	9	22'-2"	533	STR													
DD803	GSR		9	9	34'-9"	835	STR													
<b>EASTBOUND DIAPHRAGM(S) GSR TOTAL</b>						<b>5,677</b>														

MARK	MATERIAL TYPE	NUMBER			LENGTH	WEIGHT	TYPE	DIMENSIONS												
		EASTBOUND	WESTBOUND	TOTAL				A	B	C	D	E	R	INC.						
<b>DECK(S) (GALVANIZED STEEL REINFORCEMENT - GSR)</b>																				
S401	GSR	4	4	8	2'-6"	13	STR													
S501	GSR	28	28	56	22'-0"	1,285	STR													
S502	GSR	28	28	56	16'-1"	939	STR													
S503	GSR	6	6	12	57'-1"	714	STR													
SL601	GSR		6	6	22'-6"	203	STR													
SL602	GSR		6	6	19'-6"	176	STR													
SR601	GSR	6		6	22'-2"	200	STR													
SR602	GSR	3		3	39'-0"	176	STR													
SR603	GSR	3		3	34'-7"	156	STR													
SL701	GSR		6	6	22'-6"	276	STR													
SL702	GSR		6	6	19'-6"	239	STR													
SR701	GSR	6		6	22'-2"	272	STR													
SR702	GSR	3		3	39'-0"	239	STR													
SR703	GSR	3		3	34'-7"	212	STR													
S1001	GSR	28	28	56	40'-6"	9,759	16	39'-1"												
S1002	GSR	28	28	56	50'-0"	12,048	STR													
S1003	GSR	42	42	84	39'-10"	14,398	STR													
U402	GSR	302	302	604	3'-5"	1,379	2	1'-3"	1'-2"	1'-3"										
<b>DECK(S) GSR TOTAL</b>						<b>42,684</b>														



**BENDING DIAGRAMS**

**REINFORCING SCHEDULE**  
**BRIDGE NO. UNI-33-0879 L&R**  
**OVER CR-133 (NORTHWEST PKWY.)**

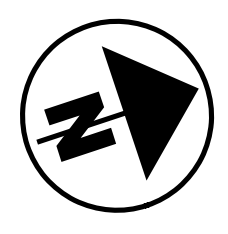
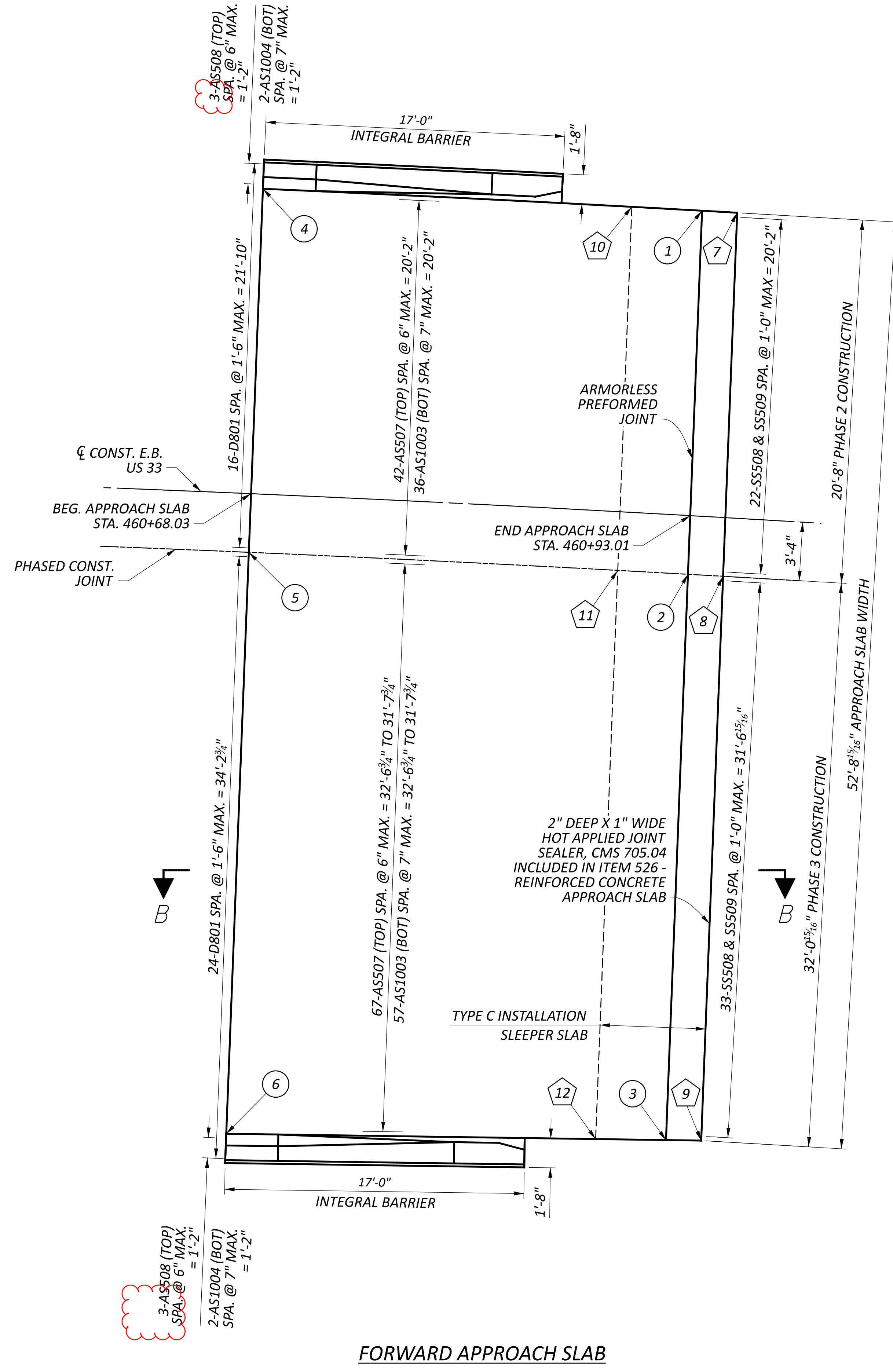
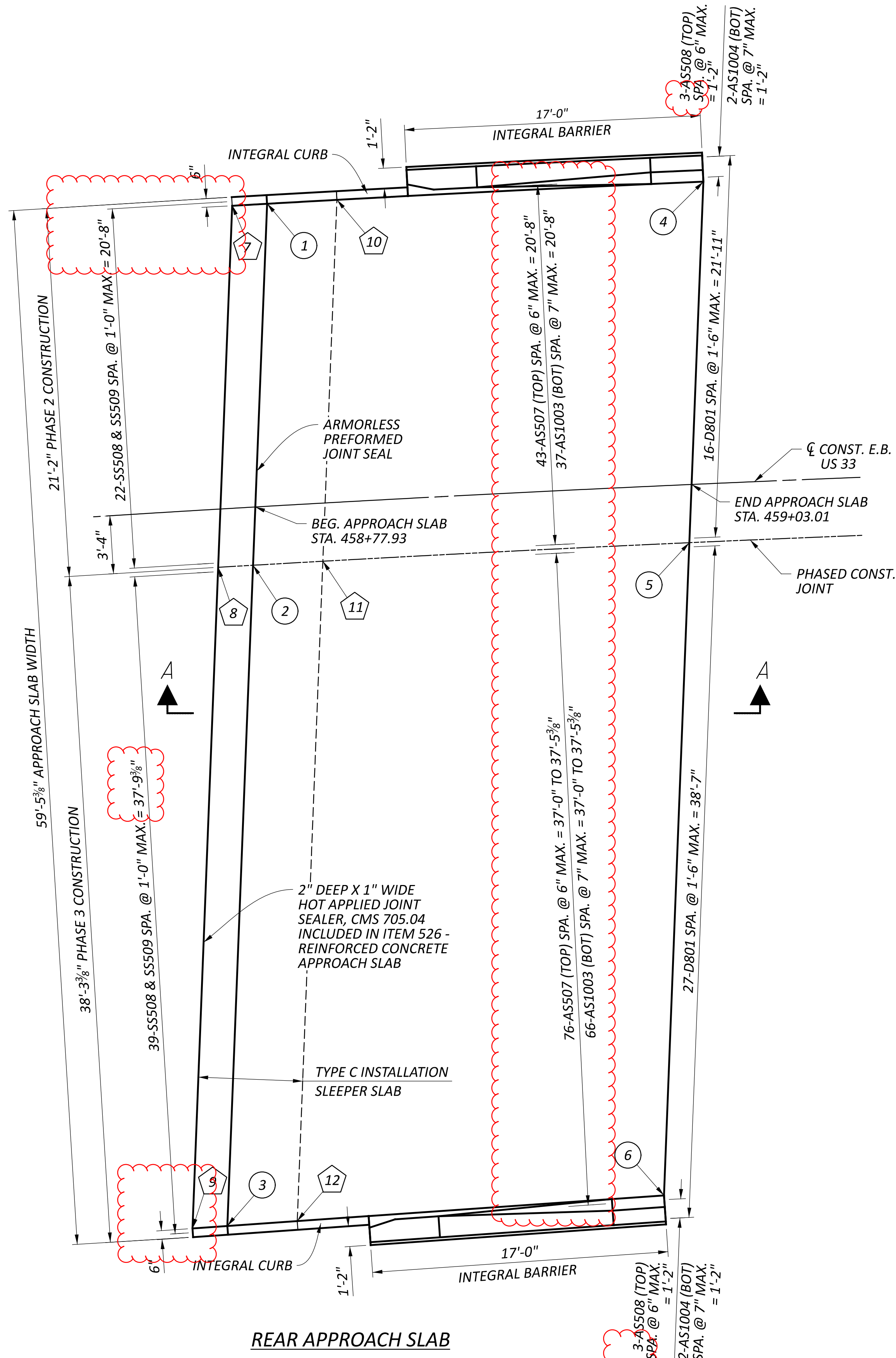
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SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	
CPS	11/15/24
PROJECT ID	115675
SUBSET	TOTAL
32	37
SHEET	TOTAL
P.97	102





UNI-33-7.85, UNI-33-8.79 (PART 2)

MODEL: 115675\_SFN\_8000816\_S0001 PAPER SIZE: 34x22 (in.) DATE: 2/4/2025 TIME: 3:28:40 PM USER: jbroshah  
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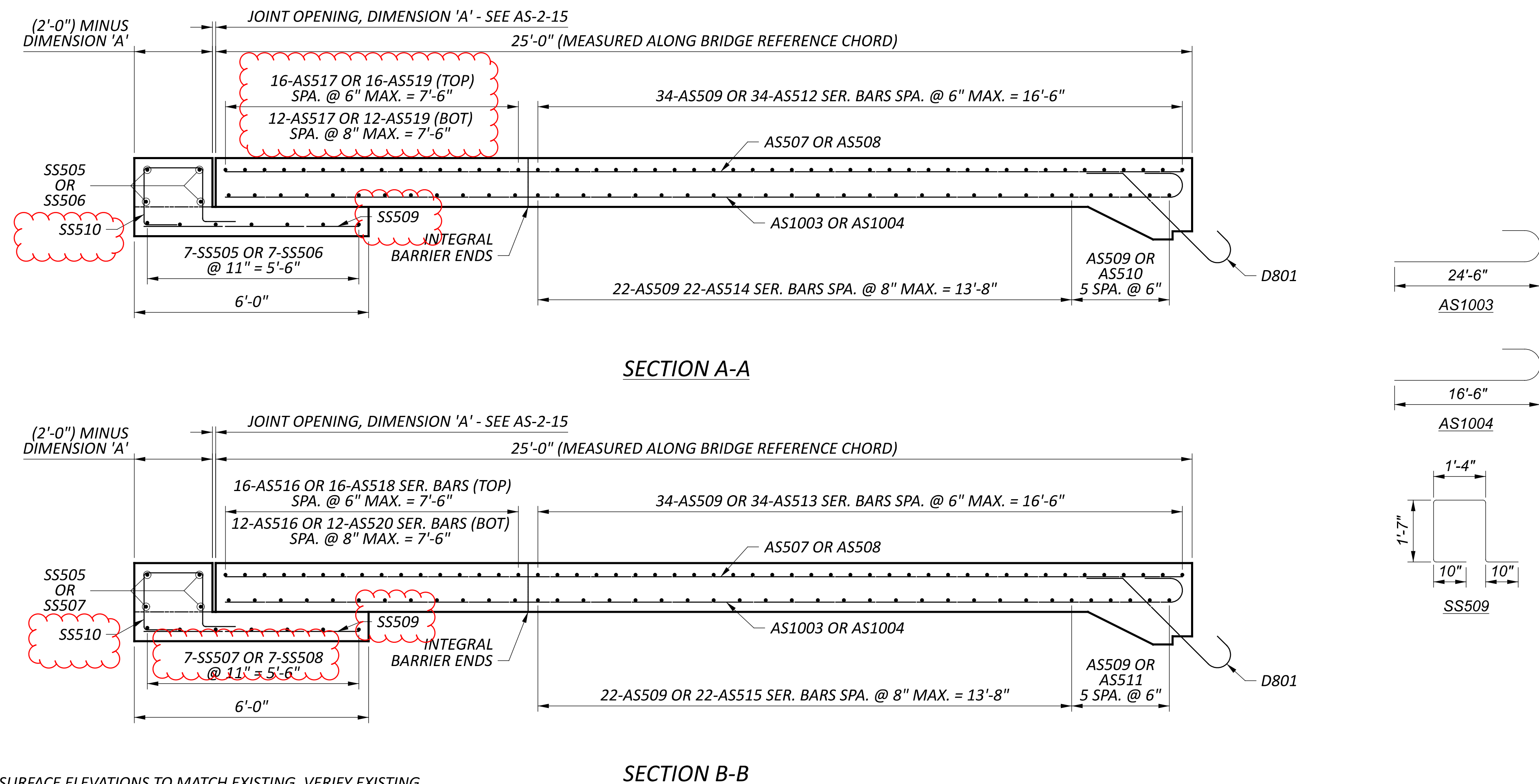
EASTBOUND (R) APPROACH SLAB DETAILS  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	
CPS	11/15/24
PROJECT ID	115675
SUBSET	34
TOTAL	37
SHEET	P.99
TOTAL	102



APPROACH SLAB SURFACE ELEVATIONS		
LOC.	REAR	FORWARD
①	STA. 458+79.60 OFF. 17.33' LT	STA. 460+92.70 OFF. 17.33' LT
②	STA. 458+77.60 OFF. 3.33' RT	STA. 460+93.07 OFF. 3.33' RT
③	STA. 458+73.84 OFF. 41.10' RT	STA. 460+93.65 OFF. 35.50' RT
④	STA. 459+04.45 OFF. 17.33' LT	STA. 460+67.95 OFF. 17.33' LT
⑤	STA. 459+02.73 OFF. 3.33' RT	STA. 460+68.04 OFF. 3.33' RT
⑥	STA. 458+99.52 OFF. 40.69' RT	STA. 460+68.19 OFF. 36.39' RT

SLEEPER SLAB SURFACE ELEVATIONS		
LOC.	REAR	FORWARD
⑦	STA. 458+77.61 OFF. 17.33' LT	STA. 460+94.68 OFF. 17.33' LT
⑧	STA. 458+75.59 OFF. 3.33' RT	STA. 460+95.07 OFF. 3.33' RT
⑨	STA. 458+71.78 OFF. 41.13' RT	STA. 460+95.69 OFF. 35.41' RT
⑩	STA. 458+83.58 OFF. 17.33' LT	STA. 460+88.74 OFF. 17.33' LT
⑪	STA. 458+81.63 OFF. 3.33' RT	STA. 460+89.06 OFF. 3.33' RT
⑫	STA. 458+77.95 OFF. 41.06' RT	STA. 460+89.58 OFF. 35.66' RT



MARK	NUMBER		LENGTH	WEIGHT	TYPE
	TOTAL				
<b>APPROACH SLABS - RIGHT</b>					
AS507	228		24'-6"	5826	STR
AS508	12		16'-6"	207	STR
AS509	122		22'-1"	2810	STR
AS510	5		38'-10"	203	STR
AS511	5		34'-6"	180	STR
AS512	SERIES OF	TO	38'-10"	1384	STR
	34		39'-3"		
	1		34'-5"		
AS513	SERIES OF	TO	34'-5"	1212	STR
	34		33'-11"		
	1		39'-0"		
AS514	SERIES OF	TO	39'-3"	898	STR
	22		39'-3"		
	1		34'-5"		
AS515	SERIES OF	TO	39'-3"	784	STR
	22		33'-11"		
AS516	28		20'-5"	596	STR
AS517	28		21'-0"	613	STR
	1		32'-3"		
AS518	SERIES OF	TO	32'-3"	535	STR
	16		31'-11"		
AS519	28		38'-1"	1112	STR
	1		32'-3"		
AS520	SERIES OF	TO	31'-11"	402	STR
	12		31'-11"		
AS1003	196		25'-11"	21858	BENT
AS1004	8		17'-11"	617	BENT
SUBTOTAL				39237	
<b>SLEEPER SLABS - RIGHT</b>					
SS505	11		21'-0"	241	STR
SS506	11		38'-2"	438	STR
SS507	11		20'-5"	234	STR
SS508	11		31'-10"	365	STR
SS509	116		5'-6"	665	STR
SS510	116		5'-8"	686	BENT
SUBTOTAL				2629	
GRAND TOTAL				41866	

**NOTES**

1. APPROACH SLAB SURFACE ELEVATIONS TO MATCH EXISTING. VERIFY EXISTING STRUCTURE CROSS SLOPE AND SLOPE BREAK POINT BEFORE PLACEMENT TO ENSURE SMOOTH TRANSITION BETWEEN PAVEMENT AND PROPOSED OVERLAY.

SFN 8000786

SFN 8000816

DESIGN AGENCY



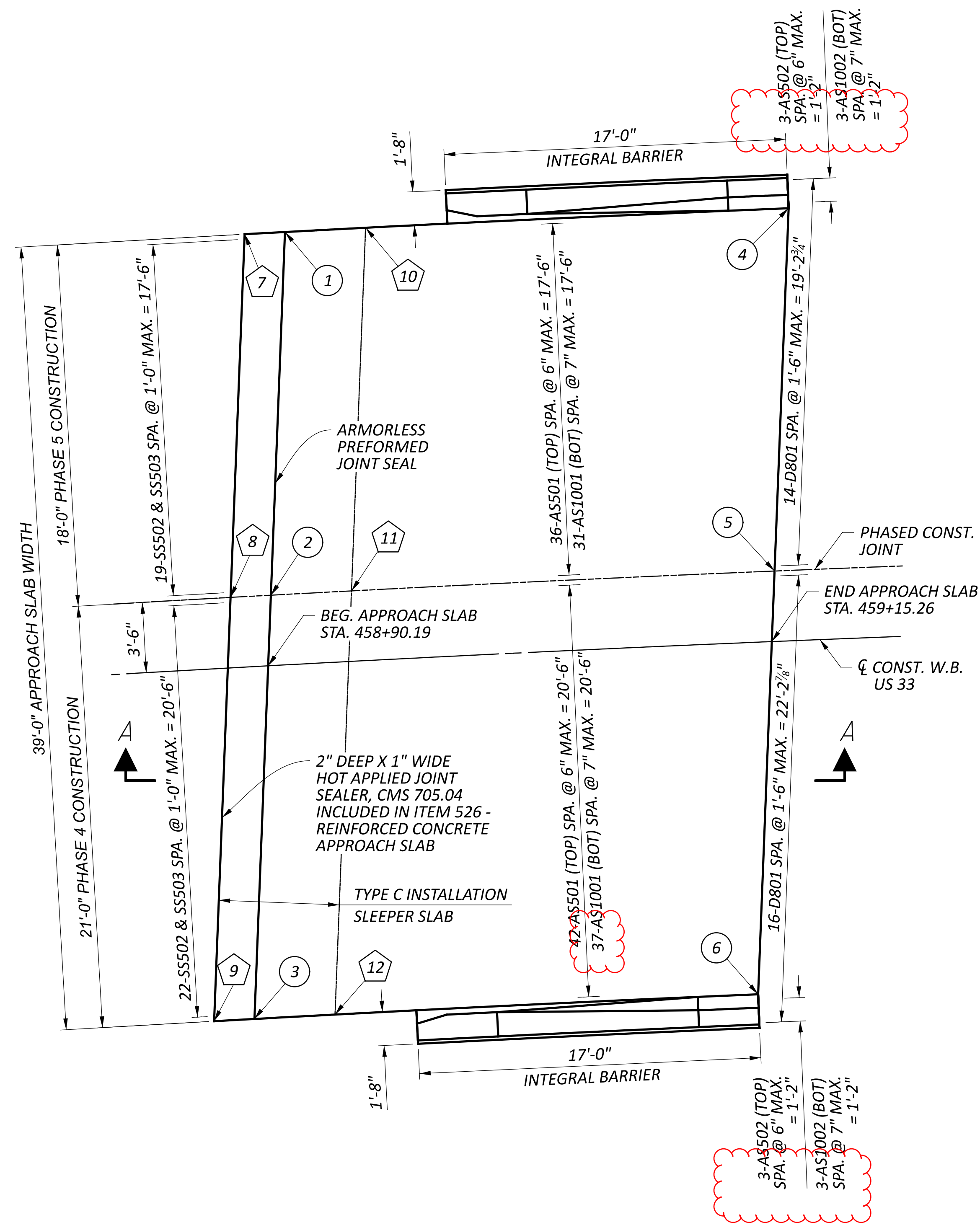
DESIGNER JMB CHECKER JPH

REVIEWER CPS 11/15/24

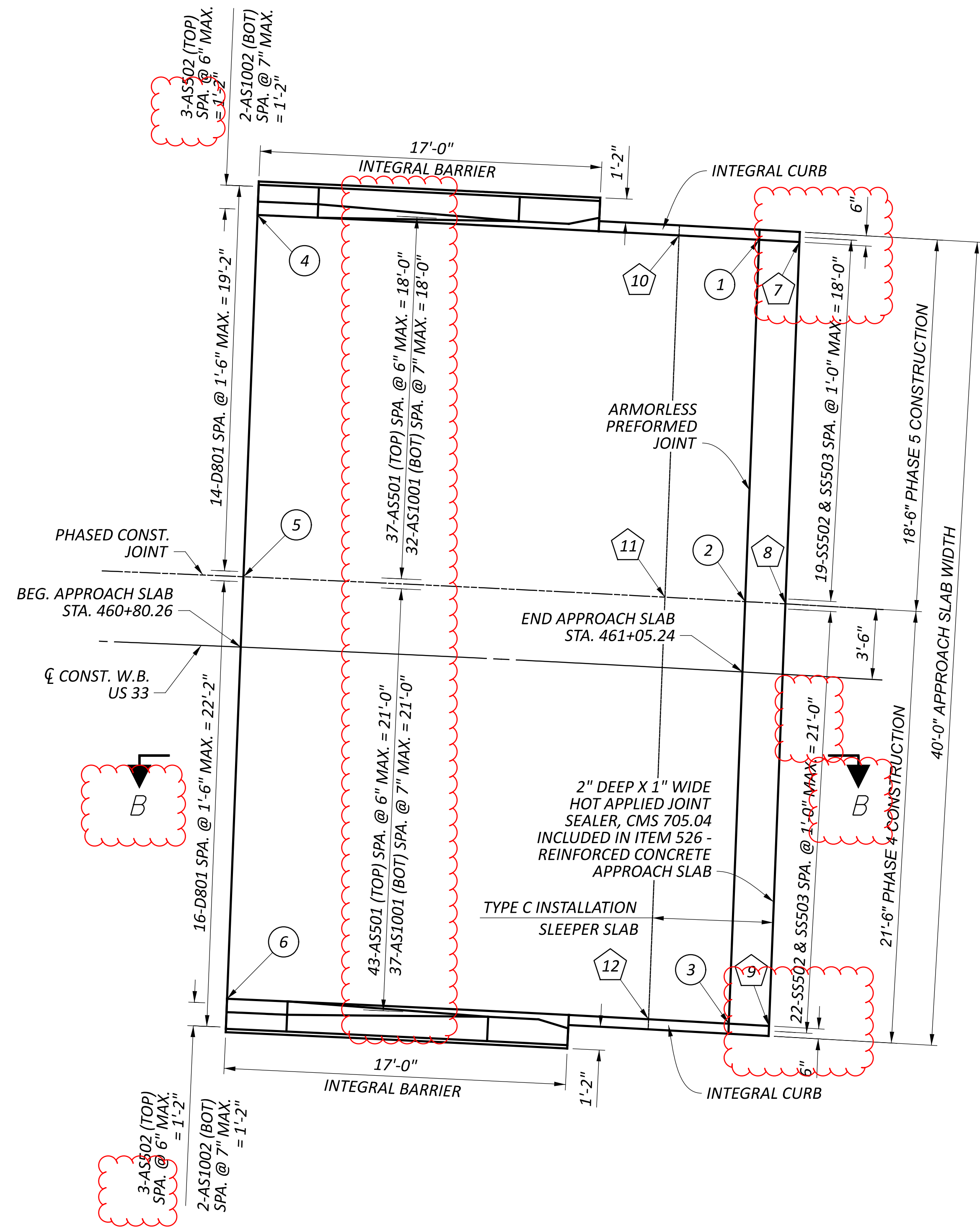
PROJECT ID 115675

SUBSET TOTAL 35 37

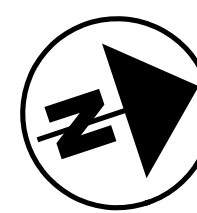
SHEET TOTAL P.100 102



REAR APPROACH SLAB



FORWARD APPROACH SLAB



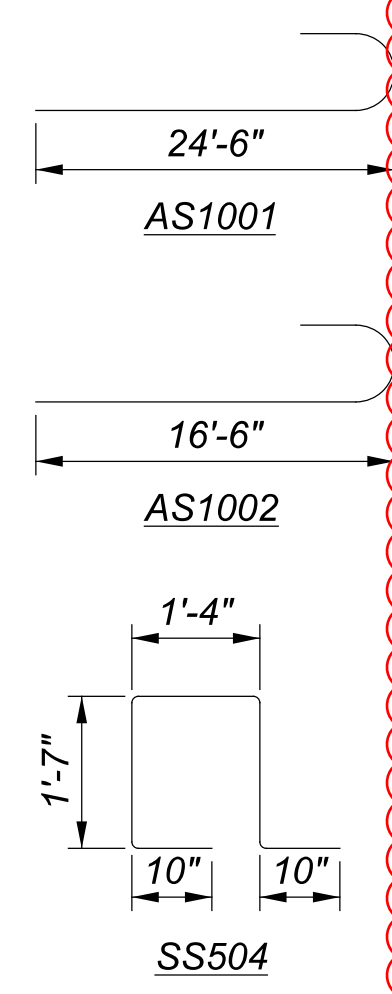
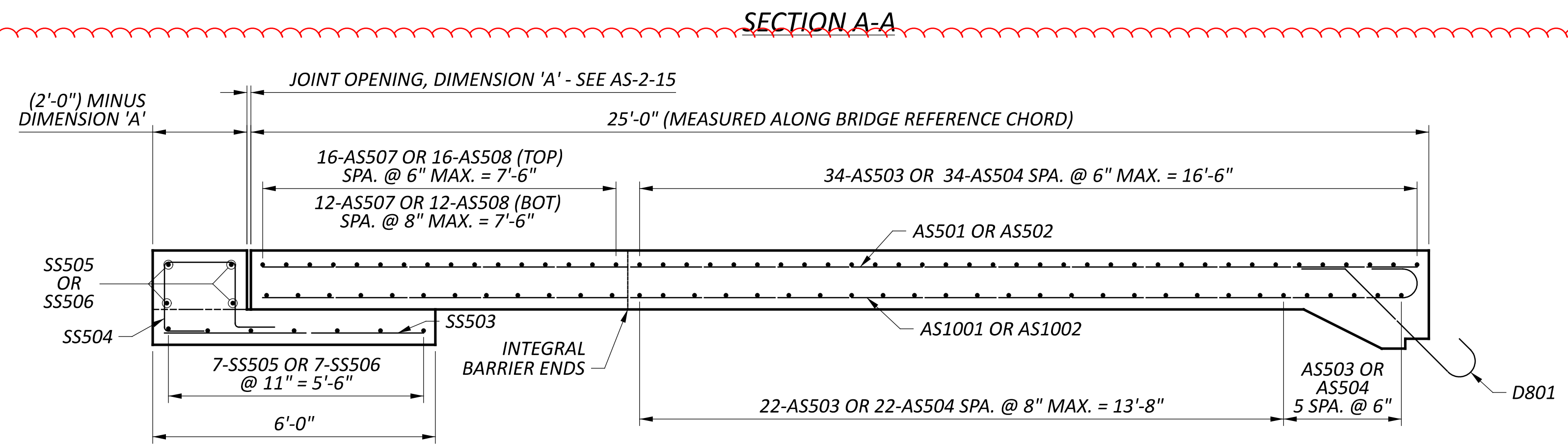
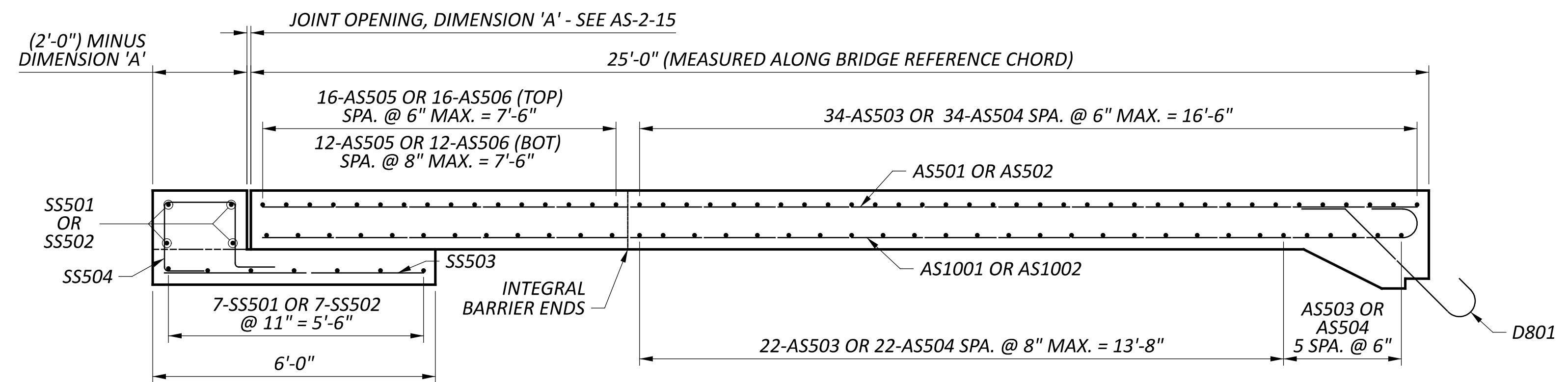
WESTBOUND (L) APPROACH SLAB DETAILS  
 BRIDGE NO. UNI-33-0879 L&R  
 OVER CR-133 (NORTHWEST PKWY.)

SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	
CPS	11/15/24
PROJECT ID	115675
SUBSET	36
TOTAL	37
SHEET	P.101
TOTAL	102



APPROACH SLAB LAYOUT INFORMATION		
LOC.	REAR	FORWARD
①	STA. 458+92.18 OFF. 21.50' LT	STA. 461+04.88 OFF. 21.50' LT
②	STA. 458+94.52 OFF. 3.50' LT	STA. 461+05.18 OFF. 3.50' LT
③	STA. 458+92.58 OFF. 17.50' RT	STA. 461+05.55 OFF. 17.50' RT
④	STA. 459+16.98 OFF. 21.50' LT	STA. 460+80.17 OFF. 21.50' LT
⑤	STA. 459+15.54 OFF. 3.50' LT	STA. 460+80.25 OFF. 3.50' LT
⑥	STA. 459+13.84 OFF. 17.50' RT	STA. 460+80.34 OFF. 17.50' RT

SLEEPER SLAB LAYOUT INFORMATION		
LOC.	REAR	FORWARD
⑦	STA. 458+90.19 OFF. 21.50' LT	STA. 461+06.86 OFF. 21.50' LT
⑧	STA. 458+88.51 OFF. 3.50' LT	STA. 461+07.18 OFF. 3.50' LT
⑨	STA. 458+86.50 OFF. 17.50' RT	STA. 461+07.56 OFF. 17.50' RT
⑩	STA. 458+96.15 OFF. 21.50' LT	STA. 461+00.93 OFF. 21.50' LT
⑪	STA. 458+94.52 OFF. 3.50' LT	STA. 461+01.19 OFF. 3.50' LT
⑫	STA. 458+92.58 OFF. 17.50' RT	STA. 461+01.51 OFF. 17.50' RT



MARK	NUMBER	LENGTH	WEIGHT	TYPE
	TOTAL			
<b>APPROACH SLABS - LEFT</b>				
AS501	158	24'-6"	4037	STR
AS502	12	16'-6"	207	STR
AS503	122	22'-5"	2852	STR
AS504	122	19'-6"	2481	STR
AS505	28	20'-10"	608	STR
AS506	28	17'-10"	521	STR
AS507	28	21'-3"	621	STR
AS508	28	18'-3"	533	STR
AS1001	137	25'-11"	15278	BENT
AS1002	10	17'-11"	771	BENT
SUBTOTAL			27909	
<b>SLEEPER SLABS - LEFT</b>				
SS501	11	20'-10"	239	STR
SS502	11	17'-10"	205	STR
SS503	82	5'-6"	470	STR
SS504	82	5'-8"	485	BENT
SS505	11	21'-3"	244	STR
SS506	11	18'-3"	209	STR
SUBTOTAL			1852	
GRAND TOTAL			29761	

**NOTES**

1. APPROACH SLAB SURFACE ELEVATIONS TO MATCH EXISTING. VERIFY EXISTING STRUCTURE CROSS-SLOPE AND SLOPE BREAK POINT BEFORE PLACEMENT TO ENSURE SMOOTH TRANSITION BETWEEN PAVEMENT AND PROPOSED OVERLAY.

**SECTION B-B**

SFN	8000786
SFN	8000816
DESIGN AGENCY	
DESIGNER	JMB
CHECKER	JPH
REVIEWER	
CPS	11/15/24
PROJECT ID	115675
SUBSET	37
TOTAL	37
SHEET	P.102
TOTAL	102