

WEEKLY MAINTENANCE OF TRAFFIC MEETING

AFTER THE INITIAL PRE-MAINTENANCE OF TRAFFIC MEETING, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER ON A WEEKLY BASIS TO GO OVER A DETAILED MAINTENANCE OF TRAFFIC REPORT OF AT LEAST 7 CALENDAR DAYS. THIS MEETING SHOULD BE HELD ON THE SAME DAY AND TIME OF EACH WEEK.

THE CONTRACTOR WILL PROVIDE TO THE PROJECT ENGINEER A WRITTEN DETAIL OF THE INFORMATION REQUIRED BY THE NOTIFICATION OF TRAFFIC RESTRICTIONS NOTE PRIOR TO THE MEETING.

IN ADDITION TO THE DETAILED MAINTENANCE OF TRAFFIC REPORT THE CONTRACTOR SHALL GIVE A GENERAL LOOK AHEAD OF AN ADDITIONAL 2 WEEKS OF UPCOMING WORK ACTIVITIES. THIS WILL INCLUDE ANY NOTIFICATION REQUIREMENTS FOR RESTRICTIONS THAT HAVE A DURATION GREATER THAN 12 HOURS.

MAINTENANCE OF TRAFFIC FOR CONSTRUCTION OF DRAINAGE ON BRICE ROAD

TO BE ABLE TO CONSTRUCT THE DRAINAGE IN THE MAINTENANCE OF TRAFFIC SCHEME PROVIDED HEREIN, PORTIONS OF THE TRUNK LINE STORM SEWER SHALL BE CONSTRUCTED DURING PRE-PHASE 1.

PRE-PHASE 1 FOR DRAINAGE ON BRICE ROAD SHALL CLOSE THE RIGHT-MOST NORTHBOUND LANE USING STANDARD DRAWING MT-95.30, DURING THE HOURS OF 9 AM TO 3 PM, WEEKDAYS. THE LIMITS OF THE NECESSARY NORTHBOUND CLOSURE WILL BE STATION 4+00 ON THE SOUTH END OF THE PROJECT AND STATION 19+00 ON THE NORTH END OF THE PROJECT. THE CLOSURE LENGTH MAY VARY EACH DAY BASED ON DAILY WORK LIMITS. OPEN TRENCHES SHALL BE COVERED WITH STRUCTURALLY ADEQUATE STEEL PLATES IF EXPOSED TO TRAFFIC. CONTRACTOR IS RESPONSIBLE FOR DESIGNING THICKNESS OF PLATES.

DURING PRE-PHASE 1, WHILE DRAINAGE STRUCTURES ARE BEING CONSTRUCTED, ACCESS SHALL BE MAINTAINED TO ALL DRIVEWAYS THROUGH PART-WIDTH CONSTRUCTION, PLATES, AND DRUMS.

DURING PRE-PHASE 1, THE FOLLOWING DRAINAGE STRUCTURES AS CALLED OUT IN THE DRAINAGE PLANS WILL NEED TO BE CONSTRUCTED, INCLUDING THE PIPE SEGMENTS BETWEEN STRUCTURES TO PROVIDE POSITIVE DRAINAGE:

D200 D301 D304 D341 D345 D201 D302 D305 D342 D350 D202 D303 D306 D343 D203 D303A AND CONCRETE COLLAR CONNECTING EXISTING 48" TO PIPE ENTERING D350.

THE PARTIAL TRUNK LINE, AS INDICATED ABOVE, SHALL BE CONNECTED TO THE EXISTING CULVERT NEAR STATION 12+00 DURING PRE-PHASE 1.

PIPES TO BE CONSTRUCTED DURING PHASE 1 ARE SHOWN IN THE DRAINAGE PLANS AS CROSSING BRICE ROAD TO THE TRUNK SEWER LINE CONSTRUCTED IN PRE-PHASE 1 AS ABOVE. THESE CROSSING PIPES, LISTED BELOW, MAY BE CONSTRUCTED USING OPEN CUTTING OF PAVEMENT. THE OPEN CUTTING OF PAVEMENT WILL NEED TO BE ACCOMPLISHED BY WEEKEND WORK AS DEFINED BY 10:00 PM FRIDAY NIGHT THROUGH 5:00 AM MONDAY MORNING. TEMPORARY LANE CLOSURES SHALL BE FACILITATED BY USING SCD MT-95.30 AND APPLICATIONS TA-21, TA-22, TA-23, AND TA-30 OF THE OMUTCD. STRUCTURALLY ADEQUATE STEEL PLATES SHALL COVER ALL OPEN TRENCHES SUBJECTED TO TRAFFIC. CONTRACTOR IS RESPONSIBLE FOR DESIGNING THICKNESS OF PLATES. TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WEEKEND'S WORK. WEEKEND WORK SHALL NOT BE IN CONTRADICTION TO HOLIDAY OR SPECIAL EVENT TABLE IN THESE NOTES. A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES DURING WEEKEND WORK.

CROSSING PIPES TO BE CONSTRUCTED IN PHASE 1:
214-203 320-304 346-345 312-302
324-306 316-303 344-343

THE REMAINDER OF THE DRAINAGE STRUCTURES AND CONDUITS SHALL BE CONSTRUCTED IN PHASE 2 AND 3, AS THE PROPOSED MOT SCHEME CLOSES TRAFFIC TO THE AREA NECESSARY TO CONSTRUCT EACH ITEM.

THE SAW CUTTING AND TEMPORARY PAVEMENT NEEDED ALONG THE EAST SIDE OF BRICE ROAD TO INSTALL THE DRAINAGE ITEMS IN PRE-PHASE 1, AS DEFINED ABOVE, ARE TO BE PAID FOR IN THE LUMP SUM MOT QUANTITY. ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B IS TO BE USED TO PAVE OVER BACKFILLED TRENCHES WITHIN THE PAVEMENT IN THIS LOCATION.

MAINTENANCE OF TRAFFIC FOR CONSTRUCTION OF DRAINAGE ON BRICE ROAD (CONT'D)

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR BIDDING PURPOSES:

ITEM 614 WORK ZONE PAVEMENT MARKING MISC.; EDGE LINE, WHITE, CLASS III, 6", 642 PAINT - 0.18 MI

ITEM 614 WORK ZONE PAVEMENT MARKING MISC.; LANE LINE, CLASS III, 6", 642 PAINT - 0.16 MI

ITEM 614 WORK ZONE PAVEMENT MARKING MISC.; CHANNELIZING LINE, CLASS III, 12", 642 PAINT - 75 FT

ITEM 614 WORK ZONE PAVEMENT MARKING MISC.; ARROW, CLASS III, 642 PAINT - 2 EA

ITEM 614 WORK ZONE CROSSWALK LINE, CLASS I, 12", 740.06, TYPE 1 - 20 FT

ITEM 615, PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B - 1050 SY

OTHER MOT QUANTITIES FOR WORK DESCRIBED ABOVE ARE INCIDENTAL TO LUMP SUM QUANTITY OF MOT.

WORK ZONE MARKINGS

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: LANE LINE, CLASS I, 6", 642 PAINT

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: EDGE LINE, CLASS I, 6", 642 PAINT, WHITE

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: EDGE LINE, CLASS I, 6", 642 PAINT, YELLOW

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: DOTTED LINE, CLASS I, 6", 642 PAINT, WHITE

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: DOTTED LINE, CLASS I, 6", 642 PAINT, YELLOW

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: CHANNELIZING LINE, CLASS I, 12", 642 PAINT

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: STOP LINE, CLASS I, 24", 642 PAINT

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: CENTER LINE, CLASS I, 6", 642 PAINT, DOUBLE SOLID

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: ARROW, CLASS I, 642 PAINT

ITEM 614 - WORK ZONE PAVEMENT MARKING MISC.: LANE REDUCTION ARROW, CLASS I, 642 PAINT

IN ADDITION TO THE REQUIREMENTS OF ITEM 614 AND 642 THE PAVEMENT MARKINGS SHALL BE PER MARKING SPECIFICATIONS PER CITY OF COLUMBUS ITEM 614 AND 642.

PAYMENT FOR THIS ITEM SHALL BE AT THE CONTRACT UNIT PRICE BID PER EACH, INSTALLED AND MAINTAINED.

ITEM 614 - REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

AN ESTIMATED QUANTITY OF 50 EACH HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614 - REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT DRUM, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

AN ESTIMATED QUANTITY OF 300 EACH HAS BEEN CARRIED TO THE GENERAL SUMMARY.

WORK ZONE SPEED ZONES (WZSZS)

THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSZ REVISION NUMBER(S)	COUNTY-ROUTE-SECTIONS(S)	DIRECTION(S)
WZ-35788	I-70, 22.26-24.81	WB

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRE-CONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATED THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER. MAINLINE AND CD LANES SEPARATED BY BARRIERS IN THE SAME DIRECTION SHALL BE ANALYZED TOGETHER.

WORK ZONE SPEED ZONES (WZSZS) (CONT'D)

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE, WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

ORIGINAL POSTED SPEED LIMIT	WITH PROTECTION		WITHOUT PROTECTION	
	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 808, DIGITAL SPEEL LIMIT (DSL) SIGN ASSEMBLY 120 SNMT ASSUMING 8 DSL SIGN ASSEMBLIES FOR 15 MONTHS

COORDINATION WITH ADJACENT PROJECTS
THE CONTRACTOR SHALL COORDINATE WORK WITH ODOT AND THE CONTRACTORS ON THE ADJACENT PROJECTS. ADJACENT PROJECTS WILL BE: FRA-70-22.61, PID 95639 FRA-270-43.18, PID 112798 LIGHTING OPTIMIZATION SE OHIO, PID 112676 D05 PM FY2024(D) R-WR, PID 117284. COORDINATION SHALL BE MADE TO PREVENT CONFLICTING ADVANCE WARNING SIGNS, CONFLICTING DETOUR ROUTES, OVERLAPING/CONFLICTING LANE CLOSURES, AND TO ENSURE THAT A MINIMUM DISTANCE OF 2 MILES BETWEEN ADJACENT LANE CLOSURES IS MAINTAINED. THIS IS NOT AN EXHAUSTIVE LIST OF COORDINATION ITEMS THAT MAY NEED TO BE RESOLVED BETWEEN PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO DECIDE WHICH PROJECT'S ACTIVITIES TAKE PRECEDENCE. PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WILL CONSIDER THIS AN EXCUSABLE, NON-COMPENSABLE DELAY PER 108.06.B. ON PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WHERE THE CONTRACTOR FAILED TO MEET THE NOTIFICATION REQUIREMENTS, THE DELAYS SHALL NOT BE CONSIDERED EXCUSABLE OR COMPENSABLE. ATTENDANCE AT DEPARTMENT ORDERED TRAFFIC COORDINATION MEETINGS BETWEEN ADJACENT PROJECTS SHALL BE CONSIDERED MANDATORY FOR EACH PROJECT'S SUPERINTENDENT AND WORKSITE TRAFFIC SUPERVISOR (WTS)*, AND INCIDENTAL TO THE LUMP SUM MAINTENANCE OF TRAFFIC PAYMENT ITEM

*IF REQUIRED BY THE PROJECT

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ITEM	EXTENSION	TOTAL FROM SHEET													TOTAL	UNIT	DESCRIPTION	SEE SHEET
		59-65	68	69	70	71	72	73	74	75	76	77	78	79				
411	10000		123			90									213	CY	STABILIZED CRUSHED AGGREGATE	
601	32200					3									3	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
602	20000					1									1.4	CY	CONCRETE MASONRY	
606	15050		645						488		213				1346	FT	GUARDRAIL, TYPE MGS	
606	26150										1				1	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	
606	26500		1						1		1				3	EACH	ANCHOR ASSEMBLY, TYPE T	
611	04400					46									46	FT	12" CONDUIT, TYPE B	
611	05900					224									224	FT	15" CONDUIT, TYPE B	
611	07400					122									122	FT	18" CONDUIT, TYPE B	
611	98450					2									2	EACH	CATCH BASIN, NO. 2-2A	
614	11110	1000													1000	HOURL	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	65
SPECIAL	61411300	6													6	EACH	WORK ZONE TRAFFIC SIGNAL	64
614	11630	46466													46466	FT	INCREASED BARRIER DELINEATION	65
614	12380	42													42	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
614	12420														LS		DETOUR SIGNING	
614	12484	42													42	EACH	WORK ZONE INCREASED PENALTIES SIGN	61
614	12500	50													50	EACH	REPLACEMENT SIGN	60
614	12600	300													300	EACH	REPLACEMENT DRUM	60
614	12801		728			409					295			572	2004	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	62
614	13310	915													915	EACH	BARRIER REFLECTOR, TYPE 1, ONE-WAY	65
614	13312	1064													1064	EACH	BARRIER REFLECTOR, TYPE 2, ONE-WAY	65
614	13350	3773													3773	EACH	OBJECT MARKER, ONE WAY	65
614	18601	64													64	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	61
614	20056		3.42			3.69					2.53			5.83	15.47	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
614	22056		3.33		0.27	3.61		0.20	0.12	4.27		0.14	4.06		16.00	MILE	WORK ZONE, EDGE LINE, CLASS I, 6", 807 PAINT, WHITE	
614	22056		2.86		0.23	3.67		0.20	0.12	3.98		0.10	4.44		15.59	MILE	WORK ZONE, EDGE LINE, CLASS I, 6", 807 PAINT, YELLOW	
614	23110		10933			9075				6002		54	10580		36644	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	
614	24102		779			1639				3878			4607		10903	FT	WORK ZONE DOTTED LINE, CLASS I, 6" 807 PAINT	
614	27070									164	200				364	FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 740.06, TYPE I	
614	31200				2					2					4	EACH	WORK ZONE WORD ON PAVEMENT, 72", CLASS I, 642 PAINT	
614	31650		4			4									8	EACH	WORK ZONE WORD ON PAVEMENT, 96", CLASS I, 642 PAINT	
614	98000			0.40	0.01		0.81	0.06	0.04		0.97	0.43	0.92	3.64	MILE	WORK ZONE PAVEMENT MARKING, MISC.: LANE LINE, CLASS I, 6" 642 PAINT	60	
614	98000			0.73	0.54		0.44	0.31	0.24			0.30	0.34	2.89	MILE	WORK ZONE PAVEMENT MARKING, MISC.: CENTER LINE, CLASS I, 6" 642 PAINT, DOUBLE SOLID	60	
614	98000			1.12	0.71		0.39	0.49	0.47			0.66	0.16	4.00	MILE	WORK ZONE PAVEMENT MARKING, MISC.: EDGE LINE, CLASS I, 6", 642 PAINT, WHITE	60	
614	98000						0.04	0.03			0.78	0.27	0.36	1.47	MILE	WORK ZONE PAVEMENT MARKING, MISC.: EDGE LINE, CLASS I, 6", 642 PAINT, YELLOW	60	
614	98100			2435	3130		2661	2403	1482		2540	2580	4582	21813	FT	WORK ZONE PAVEMENT MARKING, MISC.: CHANNELIZING LINE, CLASS I, 12", 642 PAINT	60	
614	98100			585	873		522	127	182		490	112	489	3380	FT	WORK ZONE PAVEMENT MARKING, MISC.: DOTTED LINE, CLASS I, 6", 642 PAINT, WHITE	60	
614	98100			270					152					422	FT	WORK ZONE PAVEMENT MARKING, MISC.: DOTTED LINE, CLASS I, 6", 642 PAINT, YELLOW	60	
614	98100			106	154		134	56	55	47	174	157	220	1103	FT	WORK ZONE PAVEMENT MARKING, MISC.:WORK ZONE STOP LINE, 24", 642 PAINT	60	
614	98200			17	17		20	22	12		22	27	26	163	EACH	WORK ZONE PAVEMENT MARKING, MISC.: ARROW, CLASS I, 642 PAINT	60	
614	98200		1			1					1			3	EACH	WORK ZONE PAVEMENT MARKING, MISC.: LANE REDUCTION ARROW, CLASS I, 642 PAINT	60	
614	98200		4			4								8	EACH	WORK ZONE PAVEMENT MARKING, MISC.: ROUTE SHIELD SYMBOL, CLASS I, 814 HEAT-FUSED PREFORMED THERMOPLASTIC	60	
615	10000													LS			ROADS FOR MAINTAINING TRAFFIC	
615	25000		2123	1357	2649	1988		868	282	1189				10456	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B		
616	10000	737												737	MGAL	WATER	60	
618	40101	11200												11200	FT	RUMBLE STRIPS, (ASPHALT CONCRETE), AS PER PLAN	65	
622	41060	1												1	EACH	DUAL PORTABLE BARRIER TRANSITION/TERMINATION		
622	41100		17630	1431	2656	10820		1371	548	8070			4380	46906	FT	PORTABLE BARRIER, UNANCHORED		
622	41110		80		90			321						491	FT	PORTABLE BARRIER, ANCHORED		
808	18700	120												120	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	60	
829	00100	12												12	SNMT	WORK ZONE EGRESS WARNING SYSTEM	65	

TOTALS CARRIED TO GENERAL SUMMARY SHEET

CALCULATED
GMR
CHECKED
EMK

MAINTENANCE OF TRAFFIC SUBSUMMARY

FRA-70-22.85

REF NO.	SHEET NO.			LOCATION	STATION TO STATION		614	614	614	614	614	614	614	614	614	614	614	615	622	622	
	TO				614	614	614	614	614	614	614	614	614	614	614	614	614	614	615	622	622
							MILE	MILE	FT	MILE	MILE	MILE	MILE	FT	FT	FT	FT	SY	FT	FT	
PHASE 2																					
DL-1	148	TO	148	BRICE RD	00+51	TO	01+79									128					
ELW-1	148	TO	150	BRICE RD	01+79	TO	10+78					0.17									
LL-1	148	TO	149	BRICE RD	01+79	TO	06+09		0.08												
LL-2	148	TO	149	BRICE RD	01+80	TO	06+09		0.08												
CH-1	148	TO	149	BRICE RD	01+80	TO	03+36							159							
CL-1	148	TO	149	BRICE RD	01+80	TO	06+09				0.08										
LA-1	148	TO	148	BRICE RD	02+10	TO	02+10												1		
LA-2	148	TO	148	BRICE RD	02+45	TO	02+45												1		
LA-3	148	TO	148	BRICE RD	02+78	TO	02+78												1		
LA-4	149	TO	149	BRICE RD	03+13	TO	03+13												1		
CH-2	149	TO	149	BRICE RD	04+85	TO	06+09							126							
LL-3	149	TO	149	BRICE RD	04+85	TO	06+09		0.02												
LA-5	149	TO	149	BRICE RD	05+08	TO	05+08												1		
LA-6	149	TO	149	BRICE RD	05+42	TO	05+42												1		
LA-7	149	TO	149	BRICE RD	05+80	TO	05+80												1		
LL-4	149	TO	150	BRICE RD	06+76	TO	10+76		0.08												
LL-5	149	TO	150	BRICE RD	06+76	TO	08+40		0.03												
CL-2	149	TO	150	BRICE RD	06+85	TO	10+78				0.08										
CL-3	149	TO	150	BRICE RD	06+85	TO	08+26				0.03										
LL-6	149	TO	150	BRICE RD	06+85	TO	10+78		0.08												
CH-3	150	TO	150	BRICE RD	08+40	TO	10+76							238							
CH-4	150	TO	150	BRICE RD	08+46	TO	10+76							232							
LA-8	150	TO	150	BRICE RD	08+59	TO	08+59												1		
LA-9	150	TO	150	BRICE RD	08+64	TO	08+64												1		
CL-4	150	TO	150	BRICE RD	09+17	TO	10+78														
LA-10	150	TO	150	BRICE RD	09+21	TO	09+21				0.03								1		
LA-11	150	TO	150	BRICE RD	09+24	TO	09+24												1		
LA-12	150	TO	150	BRICE RD	09+81	TO	09+81												1		
LA-13	150	TO	150	BRICE RD	09+83	TO	09+83												1		
LA-14	150	TO	150	BRICE RD	10+43	TO	10+43												1		
LA-15	150	TO	150	BRICE RD	10+43	TO	10+43												1		
SL-1	150	TO	150	BRICE RD	10+76	TO	10+78														
DL-2	150	TO	150	BRICE RD	10+78	TO	12+07							130					44		
DL-3	150	TO	150	BRICE RD	11+31	TO	12+07							116							
SL-2	150	TO	150	BRICE RD	12+07	TO	12+09														
LL-7	150	TO	152	BRICE RD	12+07	TO	23+70				0.22								56		
ELW-2	150	TO	153	BRICE RD	12+07	TO	23+72					0.22		0.22							
CL-5	150	TO	153	BRICE RD	12+07	TO	23+72					0.22									
CH-5	150	TO	152	BRICE RD	12+09	TO	20+86							879							
CH-6	150	TO	152	BRICE RD	12+09	TO	20+36							829							
LL-8	150	TO	152	BRICE RD	12+09	TO	22+48		0.20												
LL-9	150	TO	150	SCARBOROUGH	62+70	TO	63+74		0.02												
ELY-1	150	TO	150	SCARBOROUGH	62+76	TO	63+74						0.02								
ELY-2	150	TO	150	SCARBOROUGH	62+76	TO	63+74						0.02								
CH-7	150	TO	150	SCARBOROUGH	62+78	TO	63+72							99							
CH-8	150	TO	150	SCARBOROUGH	62+78	TO	63+72							99							
LA-18	150	TO	150	SCARBOROUGH	63+90	TO	63+90												1		
LA-19	150	TO	150	SCARBOROUGH	63+90	TO	63+90												1		
LA-20	150	TO	150	SCARBOROUGH	63+44	TO	63+44												1		
LA-21	150	TO	150	SCARBOROUGH	63+42	TO	63+42												1		
LA-22	150	TO	150	SCARBOROUGH	63+42	TO	63+42												1		
SL-3	150	TO	150	SCARBOROUGH	63+72	TO	63+74													34	
DL-4	150	TO	150	SCARBOROUGH TO BRICE RD	63+74	TO	12+07							148							
TOTALS CARRIED TO SUMMARY SHEET							0.81	0.44	0.39	0.04	2661	522		134	20						

REF NO.	SHEET NO.		LOCATION	STATION TO STATION		614	614	614	614	614	614	614	614	614	614	614	615	622	622	614							
	TO	TO			TO	TO	MILE	MILE	FT	FT	MILE	MILE	MILE	FT	FT	FT	FT	SY	FT	FT	EACH						
TP-3	155	156	BRICE RD	32+99	34+51												68										
LA-45	156	156	BRICE RD	33+50	33+50																						
LA-46	156	156	BRICE RD	33+50	33+50																						
LA-47	156	156	BRICE RD	34+34	34+34																						
LA-48	156	156	BRICE RD	34+34	34+34																						
SL-6	156	156	BRICE RD	34+48	34+48																						
DL-5	156	156	BRICE RD	34+50	35+29																						
DLY-1	156	156	BRICE RD	34+50	35+30																						
TP-4	156	156	BRICE RD	34+75	35+03																						
ELW-8	156	156	BRICE RD	35+53	35+65																						
ELW-9	156	156	BRICE RD	35+54	36+18																						
TP-5	156	156	BRICE RD	35+63	36+22																						
SL-7	156	156	BRICE RD	35+65	36+67																						
CL-10	156	158	BRICE RD	35+65	41+67																						
CL-11	156	158	BRICE RD	35+65	41+67																						
CH-15			NOT USED																								
CH-16	156	158	BRICE RD	35+65	39+69																						
ELW-10	156	158	BRICE RD	35+67	42+19																						
CH-17	156	158	BRICE RD	35+67	41+67																						
ELW-11	156	158	BRICE RD	36+18	41+65																						
LA-49	156	156	BRICE RD	36+65	36+65																						
LA-50	156	156	BRICE RD	37+29	37+29																						
LL-11	158	158	BRICE RD	39+69	41+65																						
CH-18	158	158	BRICE RD	40+38	41+65																						
CH-19	158	158	BRICE RD	40+38	41+65																						
LA-51	158	158	BRICE RD	40+58	40+58																						
LA-52	158	158	BRICE RD	40+58	40+58																						
LL-12			NOT USED																								
LA-53	158	158	BRICE RD	40+95	40+95																						
LA-54	158	158	BRICE RD	40+95	40+95																						
LA-55	158	158	BRICE RD	41+34	41+34																						
LA-56	158	158	BRICE RD	41+34	41+34																						
W-1	158	158	BRICE RD	41+50	41+50																						
PHASE 2A																											
ELW-12	154	162	BRICE RD TO RAMP G2	23+72	1101+44																						
CH-20	154	154	BRICE RD	24+89	26+03																						
DL-5A	154	154	BRICE RD	26+03	26+75																						
ELW-13	154	154	RAMP G2 TO BRICE RD	1101+44	24+89																						
ELW-17	154	162	RAMP G2	1101+44	1104+43	0.06																					
ELY-5	154	162	RAMP G2	1101+44	1104+43		0.06																				
PB-4	154	154	RAMP G2	1101+50	1102+50																						
ELY-6	162	154	RAMP G1	8601+21	8604+32		0.06																				
ELW-14	162	154	RAMP G1 TO BRICE RD	8601+23	28+64																						
ELW-18	154	162	RAMP G1	8604+23	8601+23	0.06																					
CH-21	154	154	RAMP G1 TO BRICE RD	8604+32	26+03																						
PB-5	162	154	RAMP G1 TO BRICE RD	8603+32	28+64																						
TOTALS CARRIED TO SUMMARY SHEET						0.12	0.12		0.04	0.24	0.47		1482	182	152	55	12	282	548	2							

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Table with columns: REF NO., SHEET NO., LOCATION, STATION TO STATION, and various material/quantity columns (614, 614, 614, 614, 614, 614, 614, 614, 622, 614, 615, 606, 606, 606, 614). Includes a red-bordered row for 'WORK ZONE STOP LINE, 24", 642 PAINT'.

TOTALS CARRIED TO SUMMARY SHEET

1 2.53 4.27 3.98 6002 3878 47 8070 295 1189 213 1 1 164 3646-E

75 1356

FRA - 70 - 22.85

CALCULATED GMR CHECKED EMK MAINTENANCE OF TRAFFIC SUBSUMMARY - I-70 - PHASE 3

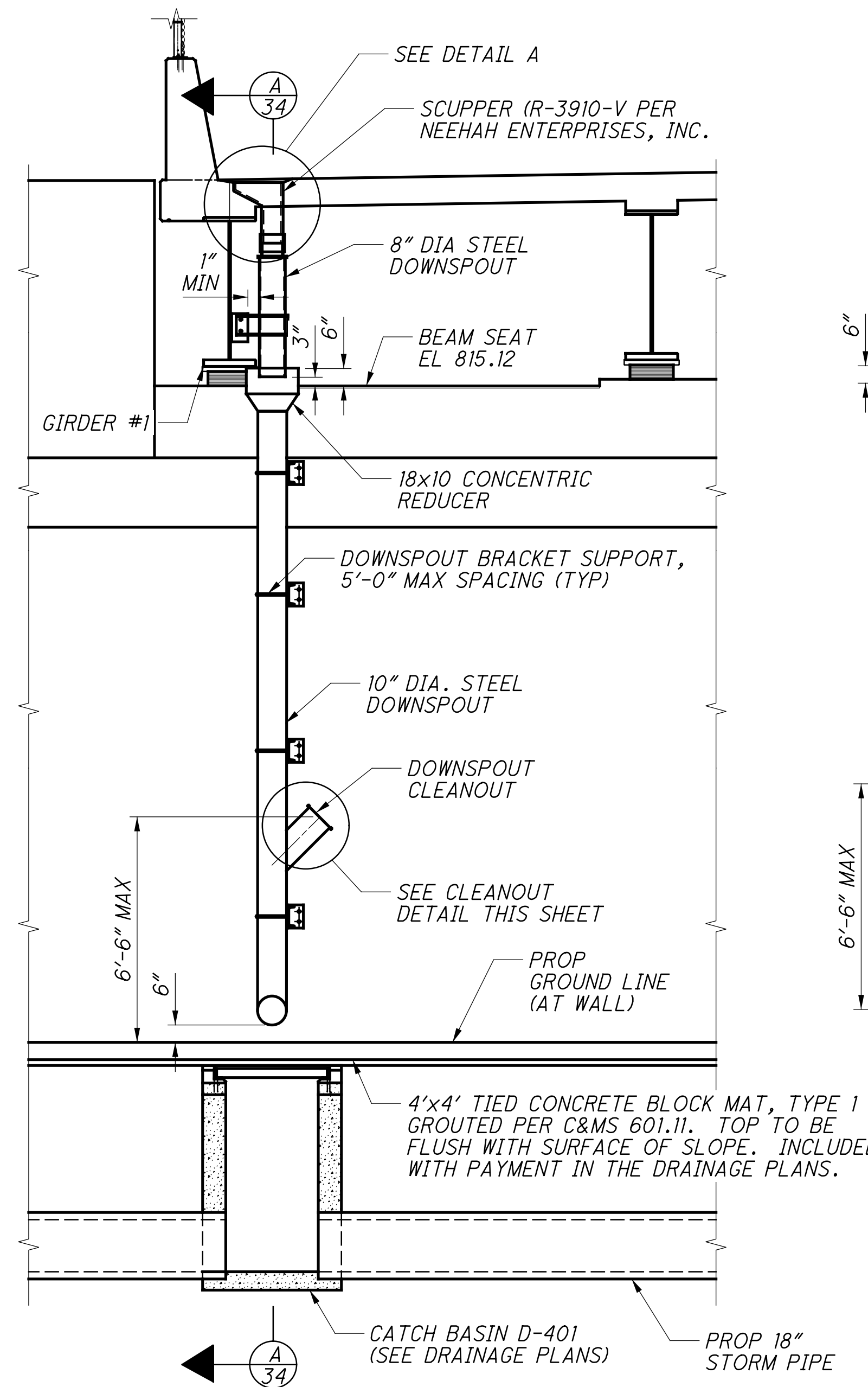
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SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED	TGW	CHECKED	SUB	
67										01/NHS/03	06/S>2/03											
												611	99654	5	EACH	SANITARY SEWER MANHOLE ADJUSTED TO GRADE (SANITARY)						
213										213		411	10000	213	CY	MAINTENANCE OF TRAFFIC STABILIZED CRUSHED AGGREGATE						
3										3		601	32200	3	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER						
1.4										1.4		602	20000	1.4	CY	CONCRETE MASONRY						
1,346										858	488	606	15050	1,346	FT	GUARDRAIL, TYPE MGS						
1										1		606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)						
3										2	1	606	26500	3	EACH	ANCHOR ASSEMBLY, TYPE T						
46										46		611	04400	46	FT	12" CONDUIT, TYPE B						
224										224		611	05900	224	FT	15" CONDUIT, TYPE B						
122										122		611	07400	122	FT	18" CONDUIT, TYPE B						
2										2		611	98450	2	EACH	CATCH BASIN, NO. 2-2A						
1,000										1,000		614	1110	1,000	hour	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE					65	
6										6		SPECIAL	61411300	6	EACH	WORK ZONE TRAFFIC SIGNAL					64	
46,466										46,466		614	11630	46,466	FT	INCREASED BARRIER DELINEATION					65	
42										42		614	12380	42	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)						
LS										LS		614	12420	LS		DETOUR SIGNING						
42										42		614	12484	42	EACH	WORK ZONE INCREASED PENALTIES SIGN					61	
50										50		614	12500	50	EACH	REPLACEMENT SIGN					60	
300										300		614	12600	300	EACH	REPLACEMENT DRUM					60	
2,004										2,004		614	12801	2,004	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN					62	
915										915		614	13310	915	EACH	BARRIER REFLECTOR, TYPE 1, ONE-WAY					65	
1,064										1,064		614	13312	1,064	EACH	BARRIER REFLECTOR, TYPE 2, ONE-WAY					65	
3,773										3,773		614	13350	3,773	EACH	OBJECT MARKER, ONE WAY					63	
64										64		614	18601	64	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN					61	
15.47										15.47		614	20056	15.47	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT						
16										15.27	0.73	614	22056	16	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT, WHITE						
15.59										14.94	0.65	614	22056	15.59	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT, YELLOW						
36,644										36,590	54	614	23110	36,644	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT						
10,903										10,903		614	24102	10,903	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT						
47										47		614	26400	47	FT	WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I						
364										364		614	27070	364	FT	WORK ZONE CROSSWALK LINE, CLASS I, 12", 740.06, TYPE I						
4											4	614	31200	4	EACH	WORK ZONE WORD ON PAVEMENT, 72", CLASS I, 642 PAINT						
8											8	614	31650	8	EACH	WORK ZONE WORD ON PAVEMENT, 96", CLASS I, 642 PAINT						
3.64										3.64		614	98000	3.64	MILE	WORK ZONE PAVEMENT MARKING, MISC.:LANE LINE, CLASS I, 6" 642 PAINT					60	
2.89										2.89		614	98000	2.89	MILE	WORK ZONE PAVEMENT MARKING, MISC.:CENTER LINE, CLASS I, 6" 642 PAINT, DOUBLE SOLID					60	
4										4		614	98000	4	MILE	WORK ZONE PAVEMENT MARKING, MISC.:EDGE LINE, CLASS I, 6", 642 PAINT, WHITE					60	
1.47										1.47		614	98000	1.47	MILE	WORK ZONE PAVEMENT MARKING, MISC.:EDGE LINE, CLASS I, 6", 642 PAINT, YELLOW					60	
21,813										21,813		614	98100	21,813	FT	WORK ZONE PAVEMENT MARKING, MISC.:CHANNELIZING LINE, CLASS I, 12" PAINT					60	
3,380										3,380		614	98100	3,380	FT	WORK ZONE PAVEMENT MARKING, MISC.:DOTTED LINE, 6", 642 PAINT, WHITE					60	
422										422		614	98100	422	FT	WORK ZONE PAVEMENT MARKING, MISC.:DOTTED LINE, 6", 642 PAINT, YELLOW					60	
1,103										1,103		614	98100	1,103	FT	WORK ZONE PAVEMENT MARKING, MISC.:WORK ZONE STOP LINE, 24", 642 PAINT					60	
163										163		614	98200	163	EACH	WORK ZONE PAVEMENT MARKING, MISC.:ARROW, CLASS I, 642 PAINT					60	
3										3		614	98200	3	EACH	WORK ZONE PAVEMENT MARKING, MISC.:LANE REDUCTION ARROW, CLASS I, 642 PAINT					60	
8										8		614	98200	8	EACH	WORK ZONE PAVEMENT MARKING, MISC.:ROUTE SHIELD SYMBOL, CLASS I, 814 HEAT-FUSED PREFORMED THERMOPLASTIC					60	
LS										LS	LS	615	10000	LS		ROADS FOR MAINTAINING TRAFFIC						
10,456										4,111	6,345	615	25000	10,456	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B						
737										737		616	10000	737	MGAL	WATER					60	
11,200										11,200		618	40101	11,200	FT	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN					65	
1										1		622	41060	1	EACH	DUAL PORTABLE BARRIER TRANSITION/TERMINATION						
46,906										39,620	7,286	622	41100	46,906	FT	PORTABLE BARRIER, UNANCHORED						
491										80	411	622	4110	491	FT	PORTABLE BARRIER, ANCHORED						
120										120		808	18700	120	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY					60	
12										12		829	00100	12	SNMT	WORK ZONE EGRESS WARNING SYSTEM					65	
										LS		108	10000	LS		INCIDENTALS CPM PROGRESS SCHEDULE						
										5,500		SPECIAL	1110100	5,500	EACH	DEPARTMENTS SHARE FACILITATED PARTNERING COSTS						
										LS		614	11000	LS		MAINTAINING TRAFFIC					59	
										35		619	16020	35	MNTH	FIELD OFFICE, TYPE C						
										LS		623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING						
										LS		624	10000	LS		MOBILIZATION						

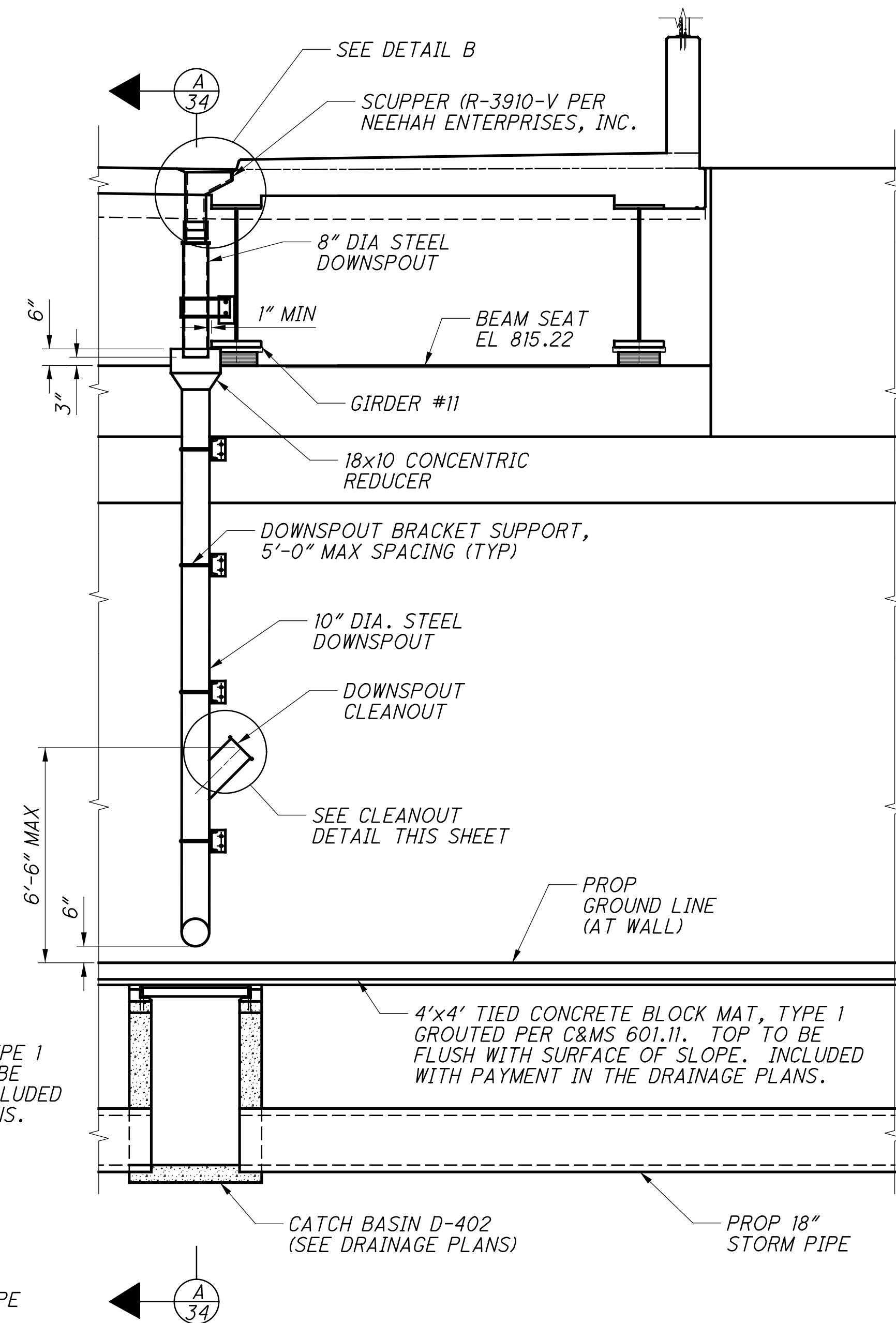
GENERAL SUMMARY

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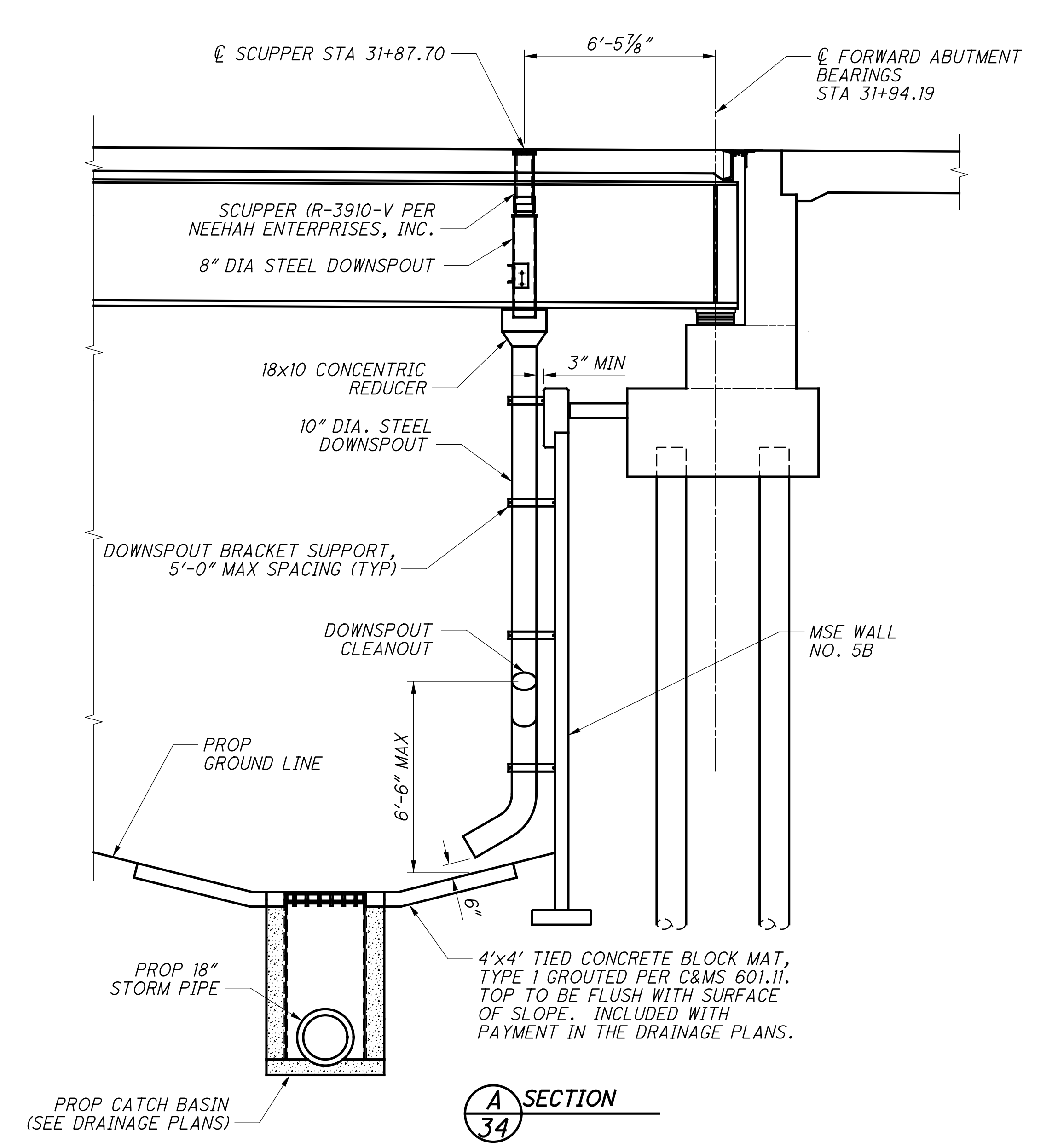
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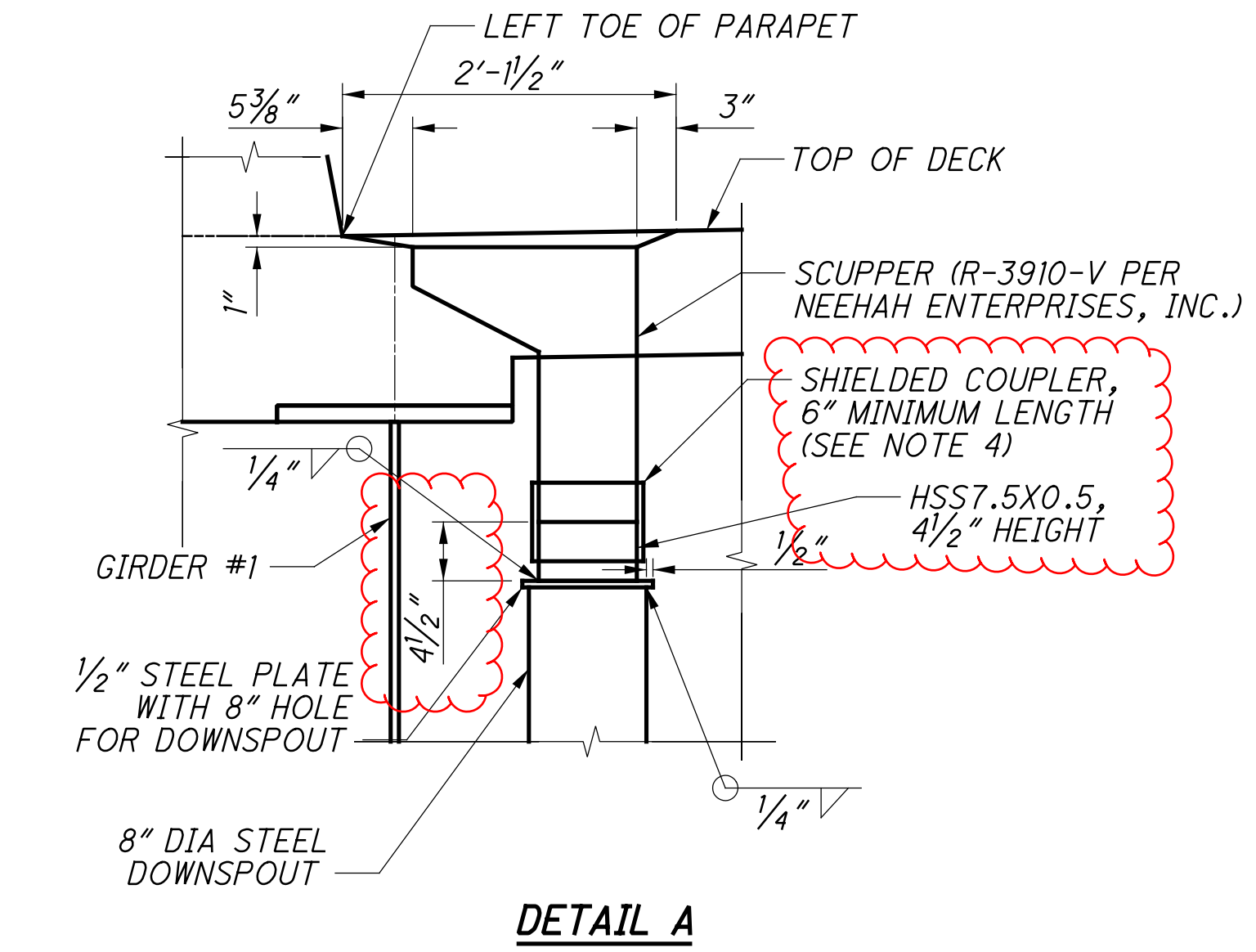
FORWARD ABUTMENT LEFT SIDE DOWNSPOUT ELEVATION



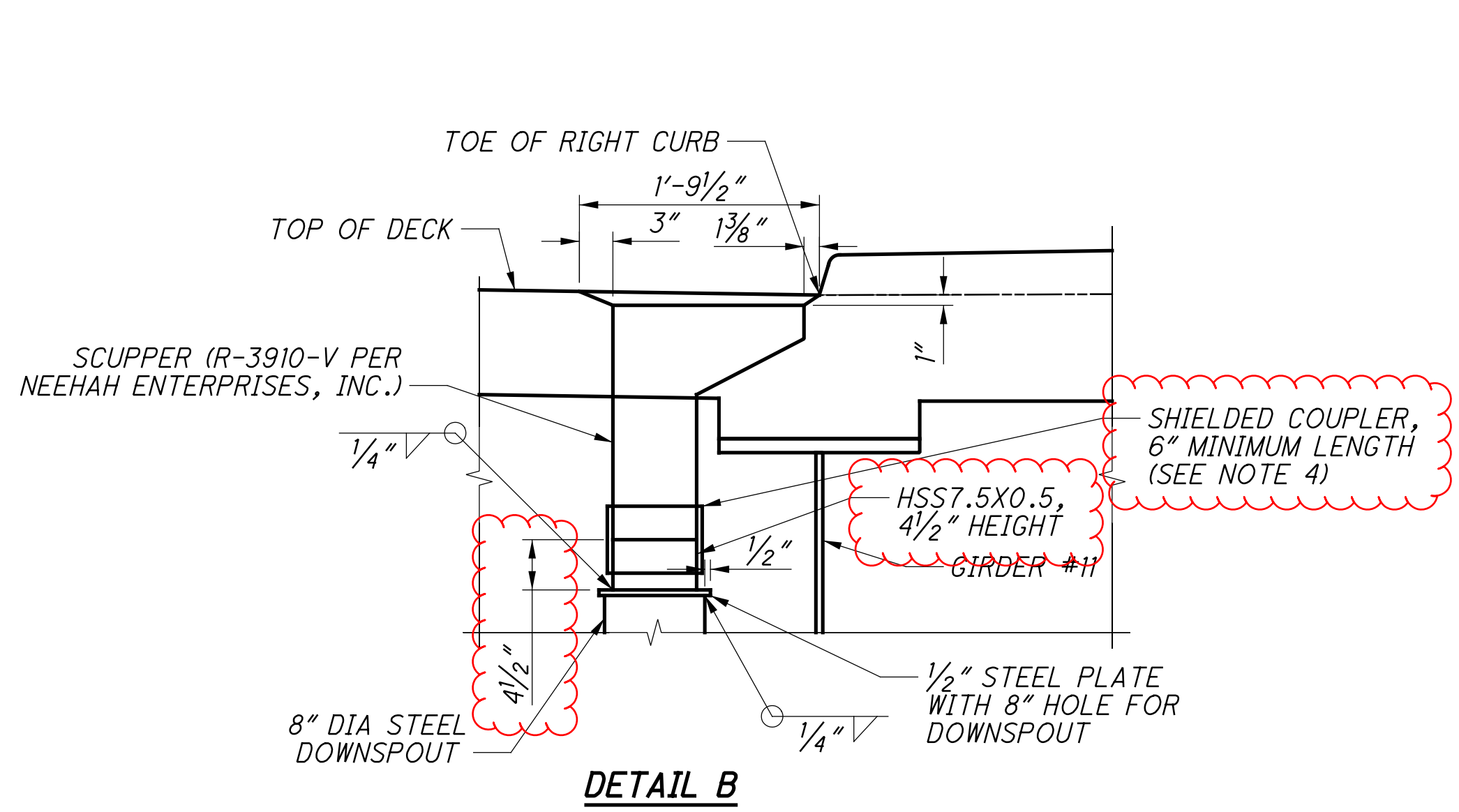
FORWARD ABUTMENT RIGHT SIDE DOWNSPOUT ELEVATION



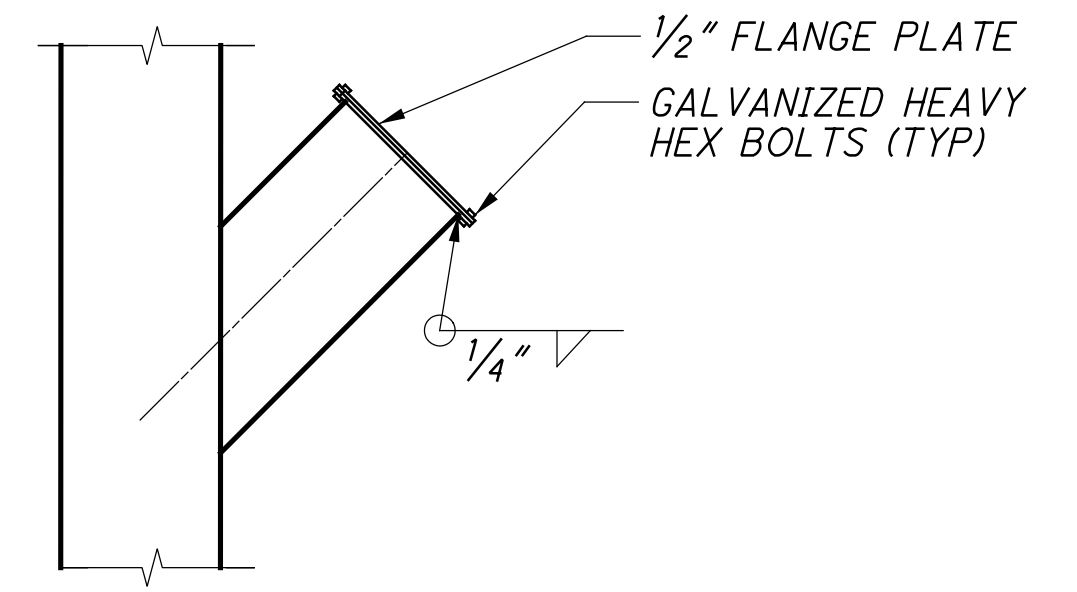
A SECTION 34



DETAIL A



DETAIL B



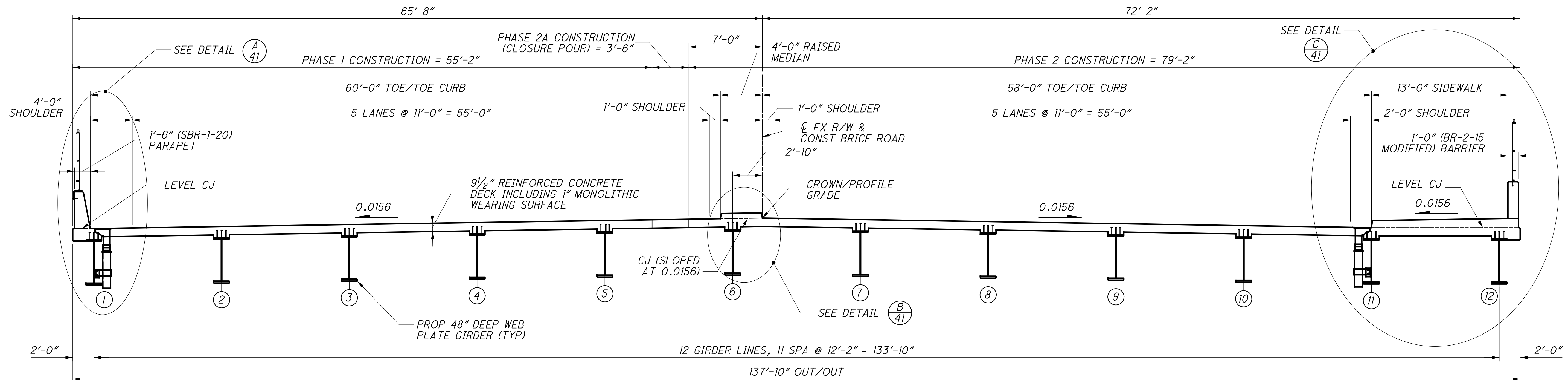
CLEANOUT DETAIL

NOTES

- SEE SHEET [35/61] FOR ADDITIONAL SCUPPER/DOWNSPOUT DETAILS.
- SEE SHEET [28/61] FOR SCUPPER LOCATIONS.
- COORDINATE SCUPPER PLACEMENT WITH SHEAR CONNECTOR SPACING SHOWN ON SHEET [29/61]. PROVIDE A MINIMUM CLEARANCE OF 1.5" BETWEEN THE ANCHOR STUD AND THE OUTSIDE OF SCUPPER PAN.
- SHIELDED COUPLER SHALL BE STRONG BACK RC-1000 SERIES COUPLING PART 1001-66RC PER FERNCO, OR STRUTURAL EQUIVALENT.

DESIGN AGENCY	EMHT
DATE	2-17-23
REVIEWED	CAS
STRUCTURE FILE NUMBER	2505739
DRAWN	GB
REVISED	-
DESIGNED	RJE
CHECKED	RMW
SCUPPER DETAILS	
BRIDGE NO FRA-00070-23-920	
BRICE ROAD OVER IR 70	
FRA-70-22-85	PID No. 98232
34/61	1111
	1356

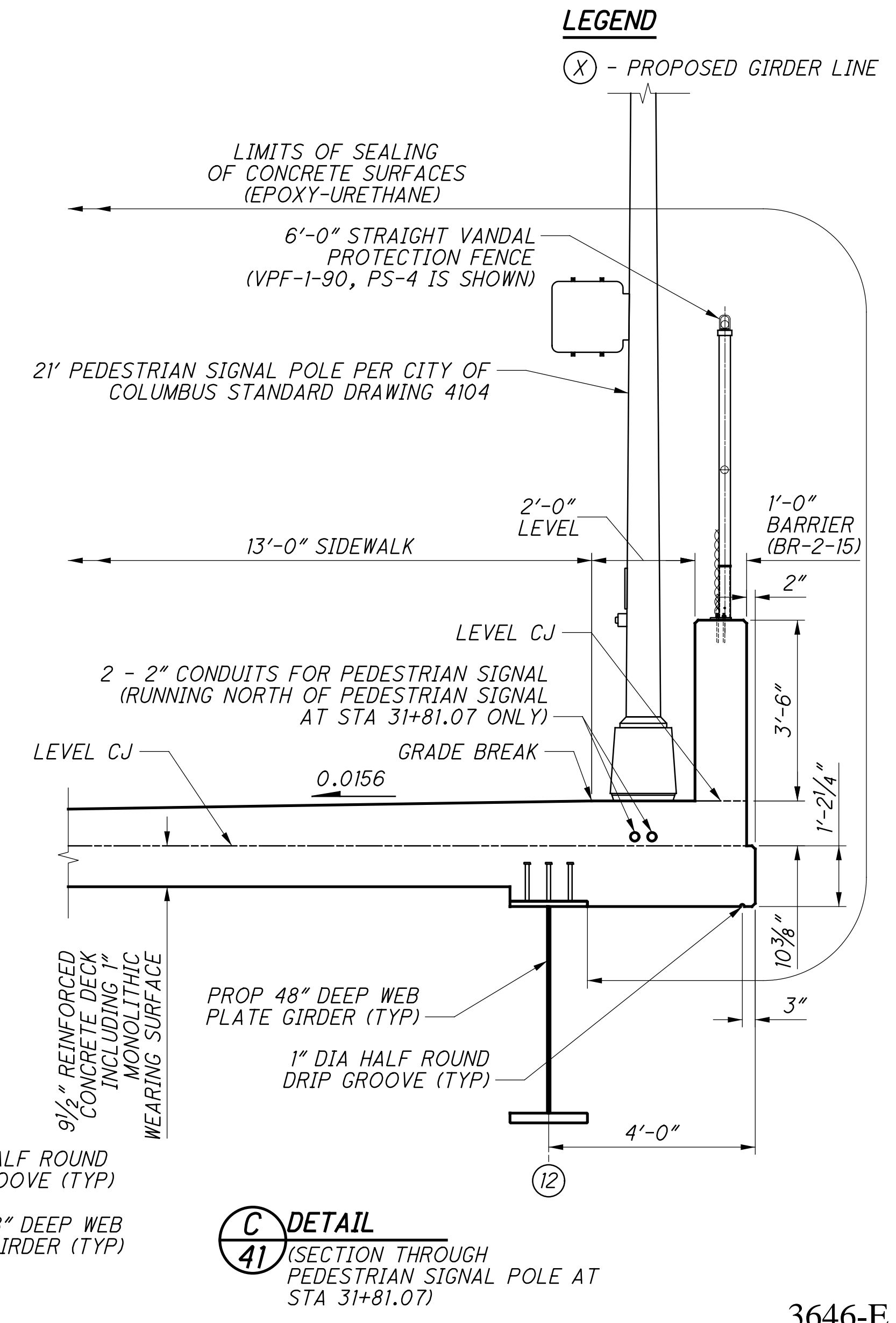
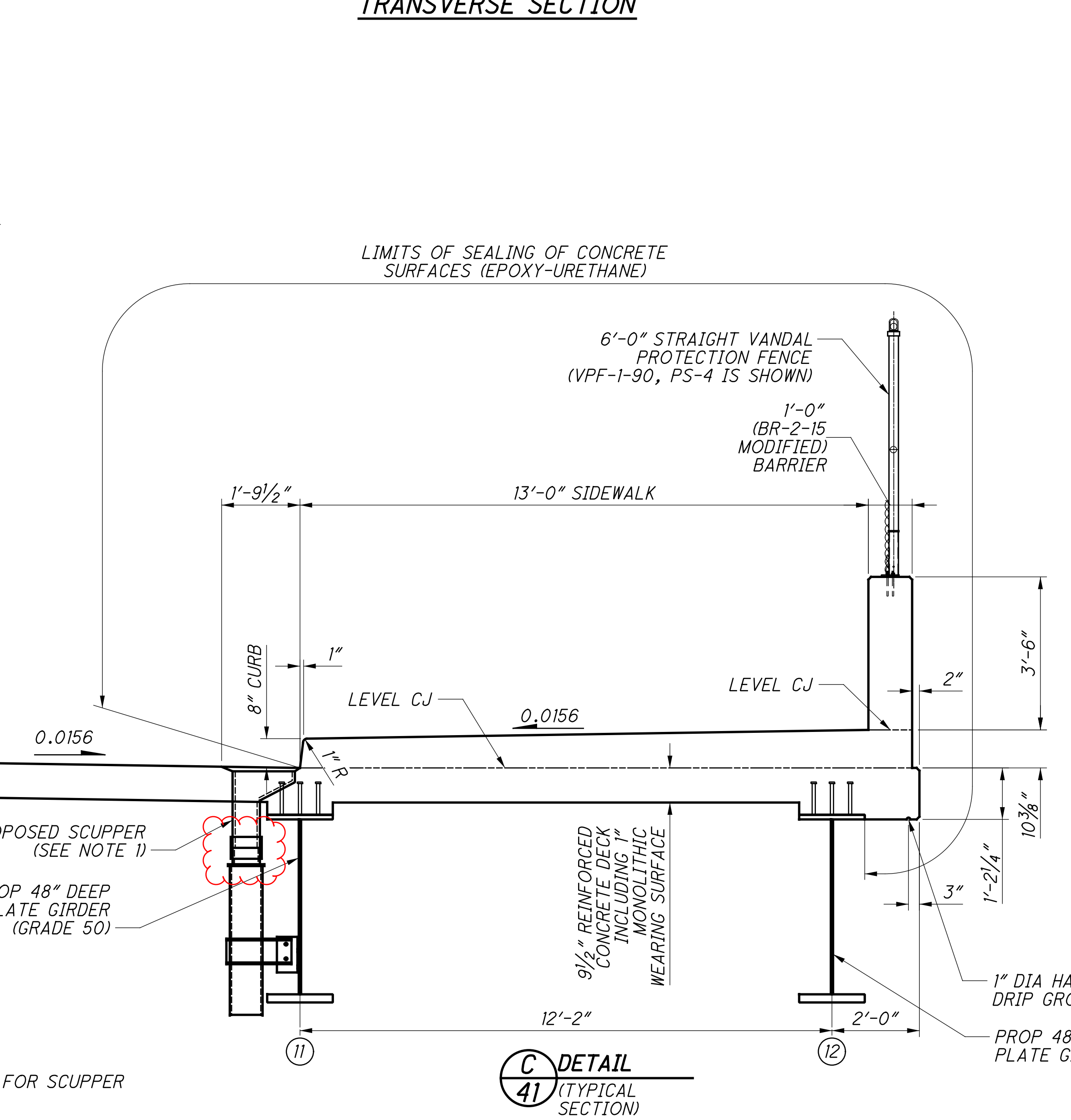
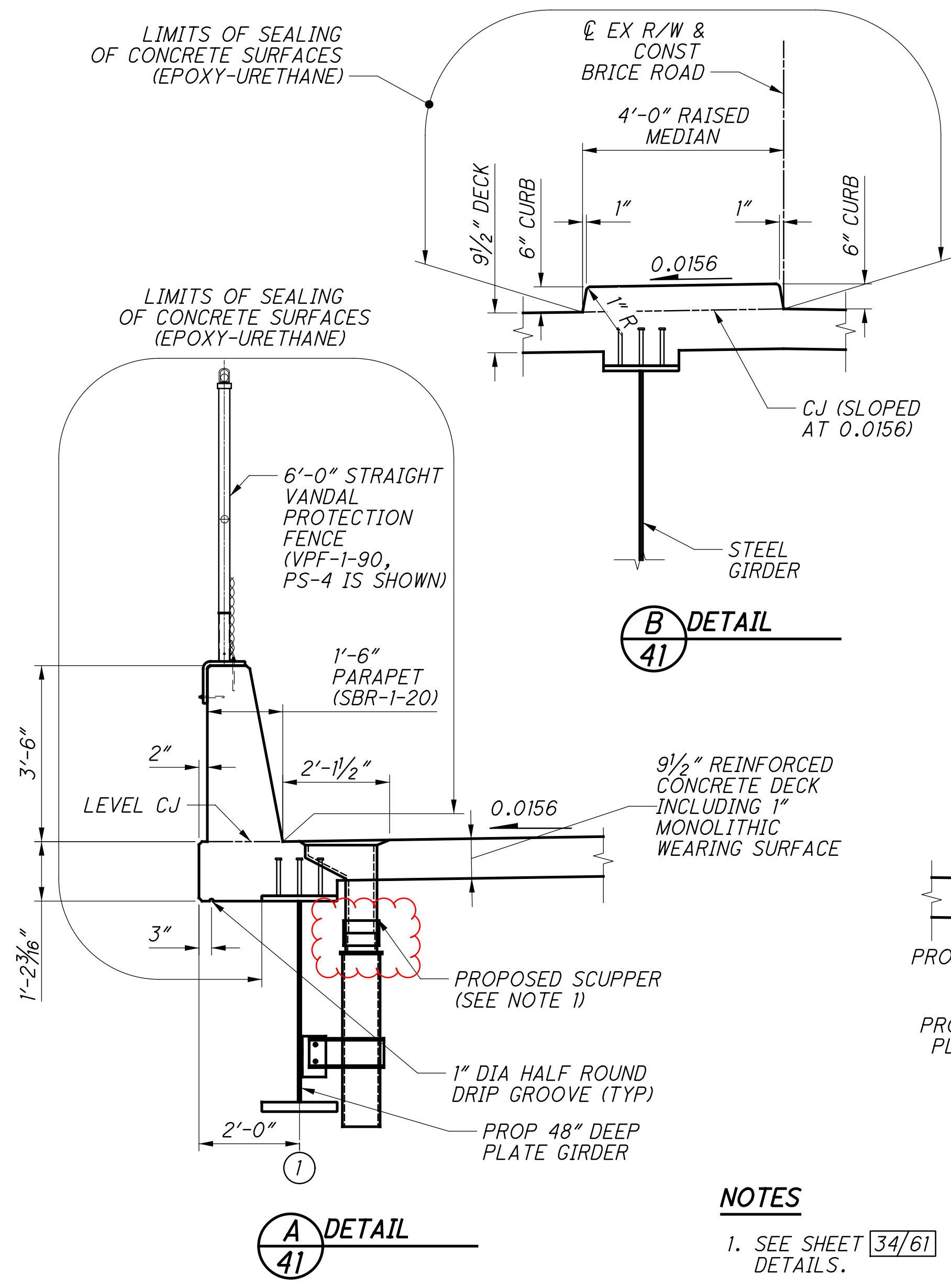
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TRANSVERSE SECTION

LEGEND

(X) - PROPOSED GIRDER LINE



NOTES

1. SEE SHEET [34/61] FOR SCUPPER DETAILS.

DESIGN AGENCY	EMHT
DATE	2-17-23
REVIEWED	CAS
STRUCTURE FILE NUMBER	2505739
DRAWN	GB
REVIS	-
CHECKED	RW
DESIGNED	RJE

TRANSVERSE SECTION
 BRIDGE NO FRA-00070-23-920
 BRICE ROAD OVER IR 70

FRA-70-22.85
 PID No. 98232

41/61

1118
 1356

3646-E