



SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.4	P.5	P.6	P.18	P.36	P.54	P.69				01/STR/04	02/STR/47	03/S5K/10						
ROADWAY																		
					2					2			202	20010	2	EACH	HEADWALL REMOVED	
	971									679	206	86	202	23000	971	SY	PAVEMENT REMOVED	
			137							137			202	34900	137	FT	PIPE REMOVED	
			544	408	367					1,319			202	38000	1,319	FT	GUARDRAIL REMOVED	
						200					200		202	38200	200	FT	GUARDRAIL REMOVED FOR REUSE	
		5								2	2	1	202	98100	5	EACH	REMOVAL MISC.: INSPECTION WELL	
		50								20	20	10	202	98200	50	FT	REMOVAL MISC.: CONDUIT	
283										171	28	84	203	10000	283	CY	EXCAVATION	
132		15								29	10	108	203	20000	147	CY	EMBANKMENT	
	836									468	154	214	204	10000	836	SY	SUBGRADE COMPACTION	
	4									2	1	1	204	45000	4	HOUR	PROOF ROLLING	
				50	450					500			606	15050	500	FT	GUARDRAIL, TYPE MGS	
			675	263						938			606	15100	938	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS	
				38						38			606	15150	38	FT	GUARDRAIL, TYPE MGS HALF POST SPACING	
						200					200		606	16000	200	FT	GUARDRAIL REBUILT	
					88					88			606	17350	88	FT	GUARDRAIL, TYPE MGS, 25' LONG-SPAN	
			4	3	1					8			606	26150	8	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016	
				1	3					4			606	26550	4	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
		LS								LS	LS	LS	SPECIAL	69091000	LS		AS-BUILT CONSTRUCTION PLANS	
LS										LS	LS	LS	SPECIAL	69098400	LS		SURVEY CONTROL VERIFICATION	
EROSION CONTROL																		
	3									1	1	1	601	32200	3	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
110										55	11	44	659	00300	110	CY	TOPSOIL	
994										491	103	400	659	10000	994	SY	SEEDING AND MULCHING	
50										25	5	20	659	14000	50	SY	REPAIR SEEDING AND MULCHING	
0.12										0.06	0.01	0.05	659	20000	0.12	TON	COMMERCIAL FERTILIZER	
0.2										0.1	0.02	0.08	659	31000	0.2	ACRE	LIME	
6										3	1	2	659	35000	6	MGAL	WATER	
										5,000	5,000	3,000	832	30000	13,000	EACH	EROSION CONTROL	
DRAINAGE																		
28										28			605	31100	28	FT	AGGREGATE DRAINS	
	30									10	10	10	611	00900	30	FT	6" CONDUIT, TYPE B	
	30									10	10	10	611	01400	30	FT	6" CONDUIT, TYPE E	
	30									10	10	10	611	01500	30	FT	6" CONDUIT, TYPE F	
			188							188			611	04600	188	FT	12" CONDUIT, TYPE C	
		50								20	20	10	611	97400	50	FT	CONDUIT, MISC.: TYPE B FOR DRAINAGE DISCHARGE CONTINUANCE	
		50								20	20	10	611	97400	50	FT	CONDUIT, MISC.: TYPE C FOR DRAINAGE DISCHARGE CONTINUANCE	
		50								20	20	10	611	97400	50	FT	CONDUIT, MISC.: TYPE E FOR DRAINAGE DISCHARGE CONTINUANCE	
		50								20	20	10	611	97400	50	FT	CONDUIT, MISC.: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE	
			1							1			611	98300	1	EACH	CATCH BASIN, NO. 5	
				1						1			611	98470	1	EACH	CATCH BASIN, NO. 2-2B	
		5								2	2	1	611	99720	5	EACH	INSPECTION WELL	
PAVEMENT																		
	937									646	68	223	254	01000	937	SY	PAVEMENT PLANING, ASPHALT CONCRETE (T=1.5")	
	234									118	61	55	255	20000	234	FT	FULL DEPTH PAVEMENT SAWING	
	268									109	19	140	301	56000	268	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
	138									77	25	36	304	20000	138	CY	AGGREGATE BASE	
	34									16	7	11	407	13900	34	GAL	TACK COAT, 702.13	
										171	46	150	407	20000	367	GAL	NON-TRACKING TACK COAT	
	367									57	22		408	10001	79	GAL	PRIME COAT, AS PER PLAN	
	79									74	24	46	441	70101	144	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN, PG64-22	
	144									40			609	10000	40	FT	ASPHALT CONCRETE CURB, TYPE 1	
			40							8	4		617	10101	12	CY	COMPACTED AGGREGATE, AS PER PLAN	
	12																	
0.2										0.2			618	41000	0.2	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	
0.1										0.1			618	43000	0.1	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	
502										502			874	20000	502	FT	LONGITUDINAL JOINT PREPARATION	

Revised Description

DESIGN AGENCY

 DESIGNER
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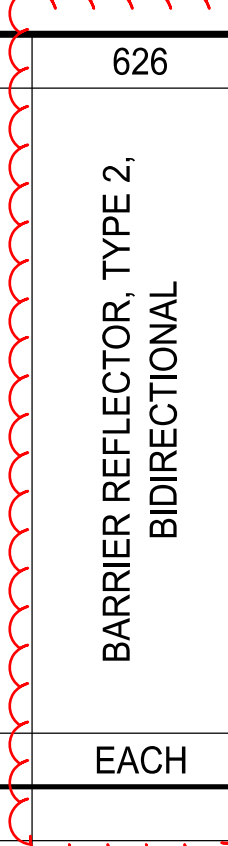
SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
P.4	P.5	P.7	P.8	P.18	P.36	P.54				01/STR/04	02/STR/47	03/S5K/10							
TRAFFIC CONTROL																			
13				14	8	8				8	2	3	621	00100	13	EACH	RPM		
	102									30			626	00110	30	EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL	Revised Item Number	
					26					30	57	15	630	02100	102	FT	GROUND MOUNTED SUPPORT, NO. 2 POST		
					2					26			630	03100	26	FT	GROUND MOUNTED SUPPORT, NO. 3 POST		
					2					2			630	08600	2	EACH	SIGN POST REFLECTOR		
	12				12					12	12		630	80100	24	SF	SIGN, FLAT SHEET		
	10									4	4	2	630	80100	10	SF	SIGN, FLAT SHEET, 730.20		
					4					8	8	2	630	84900	18	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		
					2					6	6	2	630	86002	14	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		
0.3										0.2	0.04	0.06	646	10010	0.3	MILE	EDGE LINE, 6"		
0.15										0.1	0.02	0.03	646	10200	0.15	MILE	CENTER LINE		
STRUCTURE REPAIRS																			
																		FOR POR-44-21.97 ESTIMATED QUANTITIES	P.82
																		FOR TRU-87-3.20 ESTIMATED QUANTITIES	P.78
STRUCTURES 20 FOOT SPAN AND UNDER																			
																		FOR POR-305-0.72 ESTIMATED QUANTITIES	P.30
																		FOR TRU-45-14.55 ESTIMATED QUANTITIES	P.64
																		FOR TRU-5-29.09 ESTIMATED QUANTITIES	P.48
MAINTENANCE OF TRAFFIC																			
		50								LS			614	12420	LS			DETOUR SIGNING	
										20	20	10	614	13000	50	CY		ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			30							12	12	6	614	18601	30	SNMT		PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.8
		4								2	1	1	616	10000	4	MGAL		WATER	
INCIDENTALS																			
										LS			614	11000	LS			MAINTAINING TRAFFIC	
										12			619	16010	12	MNTH		FIELD OFFICE, TYPE B	
										LS			623	10000	LS			CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS			624	10000	LS			MOBILIZATION	

GENERAL SUMMARY


DESIGN AGENCY

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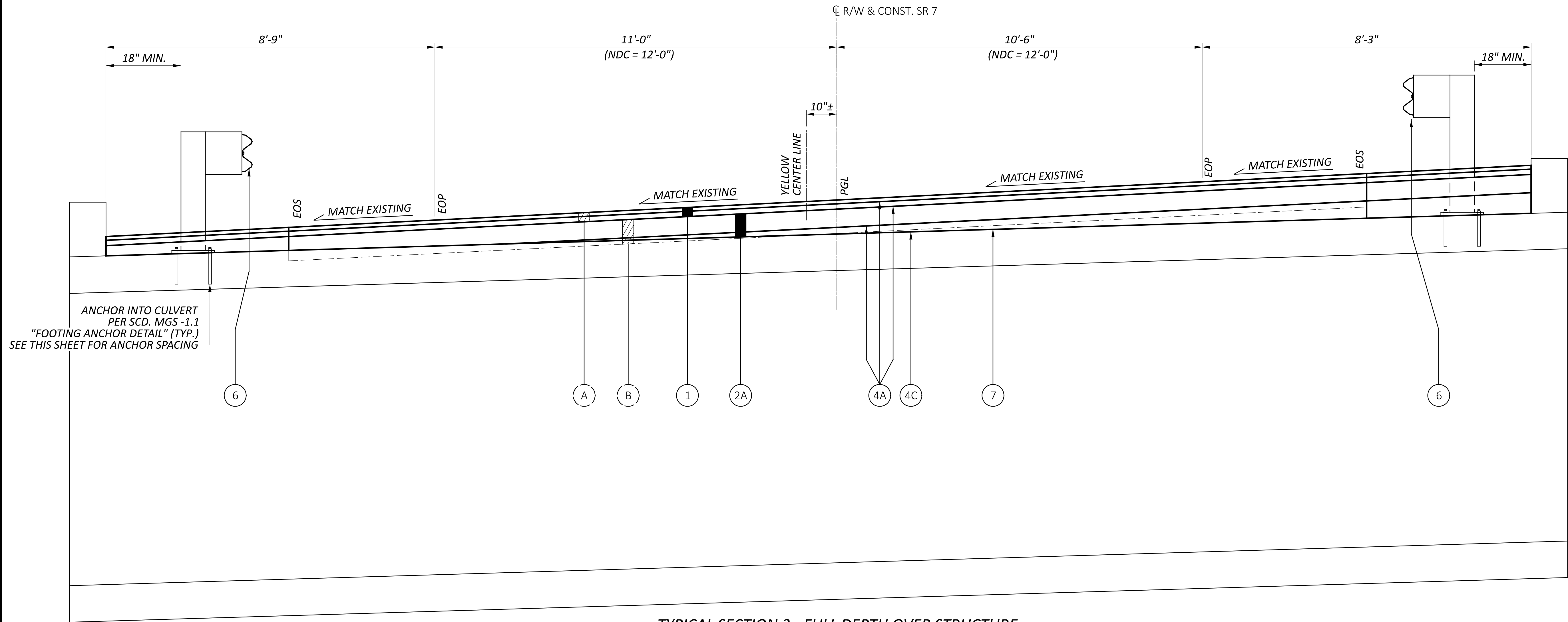
REF NO.	SHEET NO.	STATION TO STATION		SIDE	202	202	606		606	609	611	611	611	626								
					GUARDRAIL REMOVED FT	PIPE REMOVED FT	GUARDRAIL TYPE MGS WITH LONG POSTS FT		ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016 EACH	ASPHALT CONCRETE CURB, TYPE 1 FT	12" CONDUIT, TYPE C FT	CATCH BASIN, NO. 2-2B EACH	CATCH BASIN, NO. 5 EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL EACH								
R-1	P.19	33+05.04	TO	35+95.64	LT	291.00																
R-2	P.19	33+05.66	TO	35+58.04	RT	253.00																
DR-1	P.19	35+18.52	TO	36+55.09	LT		137.00															
D-1	P.19	34+86.49	TO	35+40.00	LT						68.00		1									
D-2	P.19	35+40.00	TO	36+55.09	LT						116.00	1										
D-3	P.19	36+55.09	TO	35+40.00	LT						4.00											
GR-1	P.19	32+95.58	TO	34+26.83	LT		137.50															
GR-2	P.19	32+33.08	TO	34+26.83	RT		200.00		1													
GR-3	P.19	34+70.58	TO	36+64.33	LT		200.00		1													
GR-4	P.19	34+70.58	TO	36+01.83	RT		137.50		1													
C-1	P.19	34+99.95	TO	35+39.95						40.00												
TOTALS CARRIED TO GENERAL SUMMARY						544	137	675		4	40	188	1	1	14							

Revised Item Number



ROADWAY SUBSUMMARY

DESIGN AGENCY

 DESIGNER
 CLG
 REVIEWER
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TYPICAL SECTION 3 - FULL DEPTH OVER STRUCTURE
 STA. STA. 156+52.00 TO 156+70.00 = 18 FT

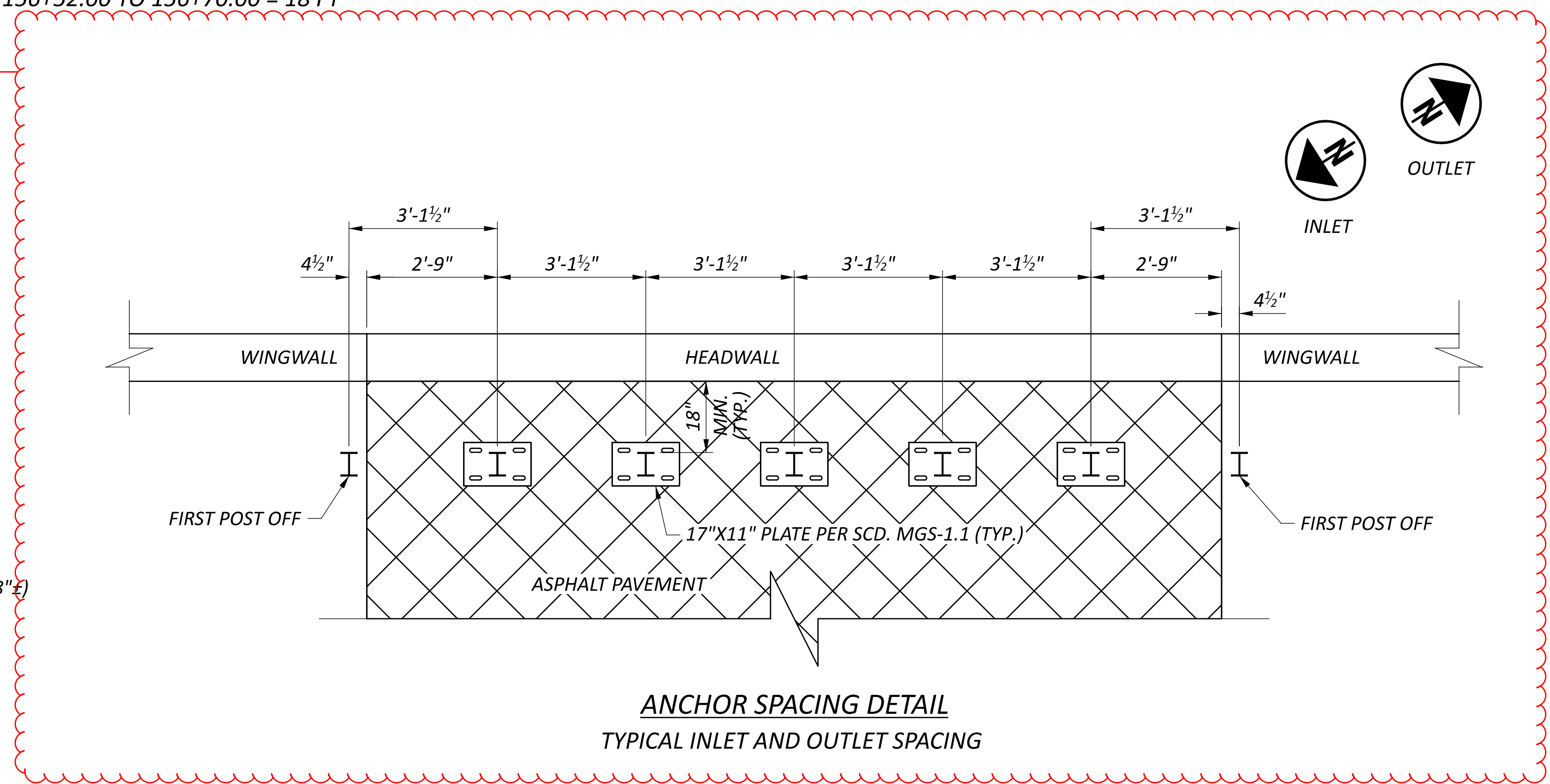
LEGEND

- 1 441, ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN, PG64-22 (T=3.0" - 2 LIFTS)
- 2A 301, ASPHALT CONCRETE BASE, PG64-22, (449) (THICKNESS VARIES 3.25" TO 13.5")
- 3 304, AGGREGATE BASE (T=6.0")
- 4A 407, NON-TRACKING TACK COAT @ 0.06 GAL/SY
- 4B 407, NON-TRACKING TACK COAT @ 0.09 GAL/SY
- 4C 407, TACK COAT, 702.13 @ 0.09 GAL/SY
- 5 ITEM 606, GUARDRAIL, TYPE MGS WITH LONG POSTS
- 6 ITEM 606, GUARDRAIL, TYPE MGS HALF POST SPACING
- 7 ITEM 512, TYPE 3 WATERPROOFING
- 8 ITEM 605 - AGGREGATE DRAINS
- 9 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (T=3")

- (A) EXISTING ASPHALT CONCRETE (T=3"±)
- (B) EXISTING ASPHALT CONCRETE BASE (T=8"±)

NDC - NORMAL DESIGN CRITERIA

Revised Guardrail Spacing




ANCHOR SPACING DETAIL
 TYPICAL INLET AND OUTLET SPACING

DESIGN AGENCY



DESIGNER	SJD
REVIEWER	MJA
PROJECT ID	08-03-23
SHEET	111184
TOTAL	183
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REF NO.	SHEET NO.	STATION TO STATION		Revised Description														Revised Item Number	
		FROM	TO	202	606	606	606	606	606	606	626	630	630	630	630	630			
R-1	P.37	155+70.50	LT	158+01.56	LT														
R-2	P.37	155+36.16	RT	157+07.37	RT	229													
GR-1	P.37	155+35.63	LT	158+35.63	LT		25	156.25	2		18.75	4							
GR-2	P.37	154+98.20	RT	157+04.73	RT		25	106.25	1	1	18.75	4							
S-1	P.37	156+25.00	RT	2 X W1-8L-24									6	13	1				
S-2	P.37	157+00.00	RT	2 X W1-8L-24									6	13	1				
RS-1	P.37	156+25.68	RT												2	1			
RS-2	P.37	157+00.42	RT												2	1			
TOTALS CARRIED TO GENERAL SUMMARY						408	50	263	3	1	38	8	12	26	2	4	2		

DESIGN AGENCY

 DESIGNER
 SJD
 REVIEWER
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