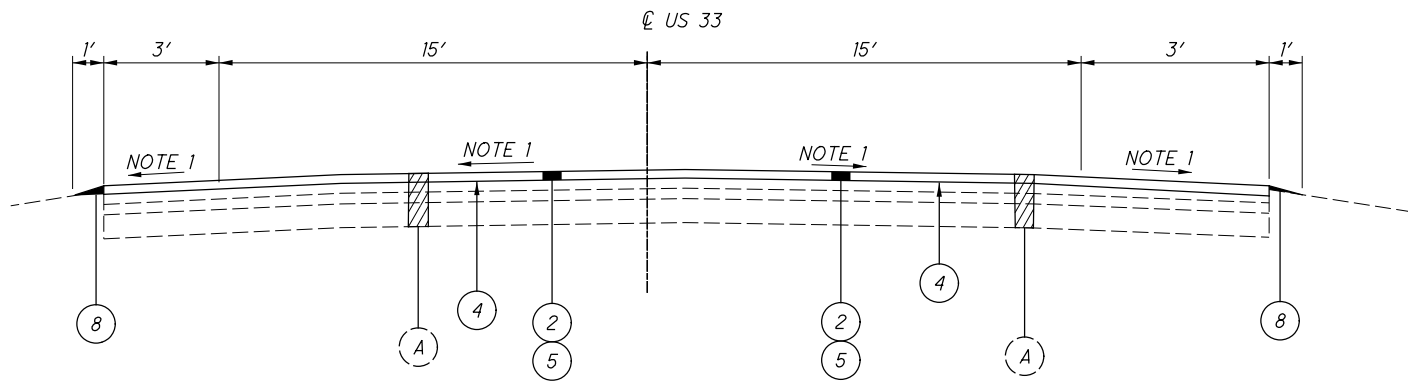
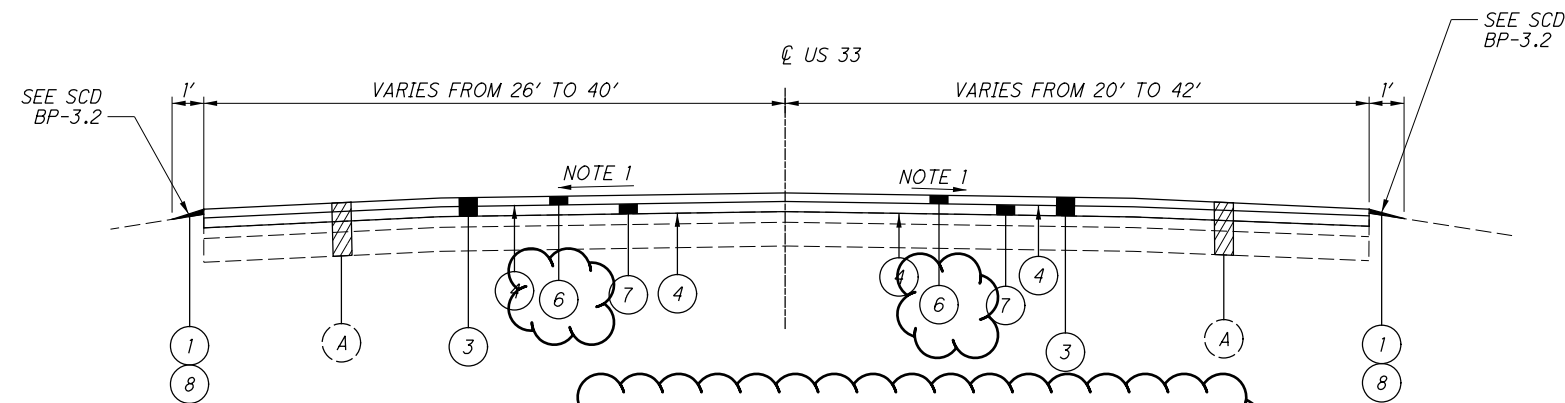


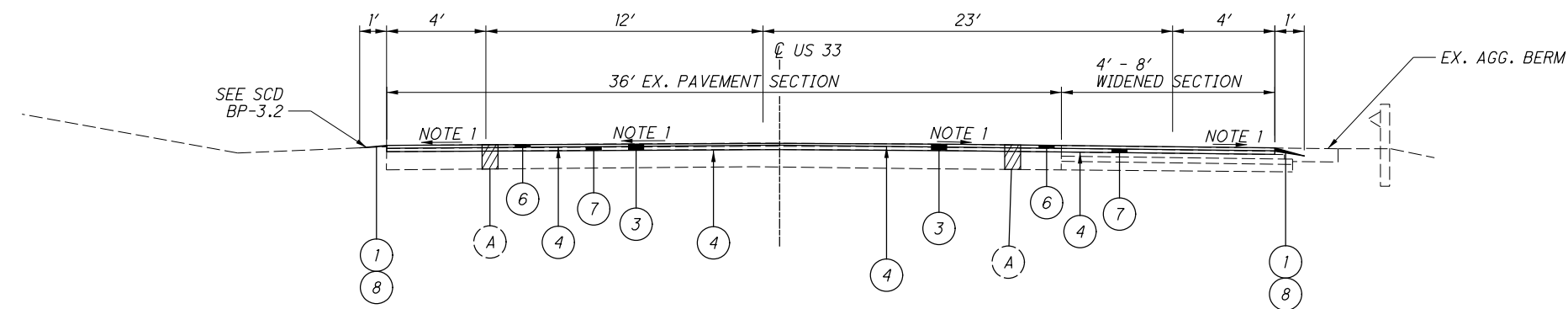
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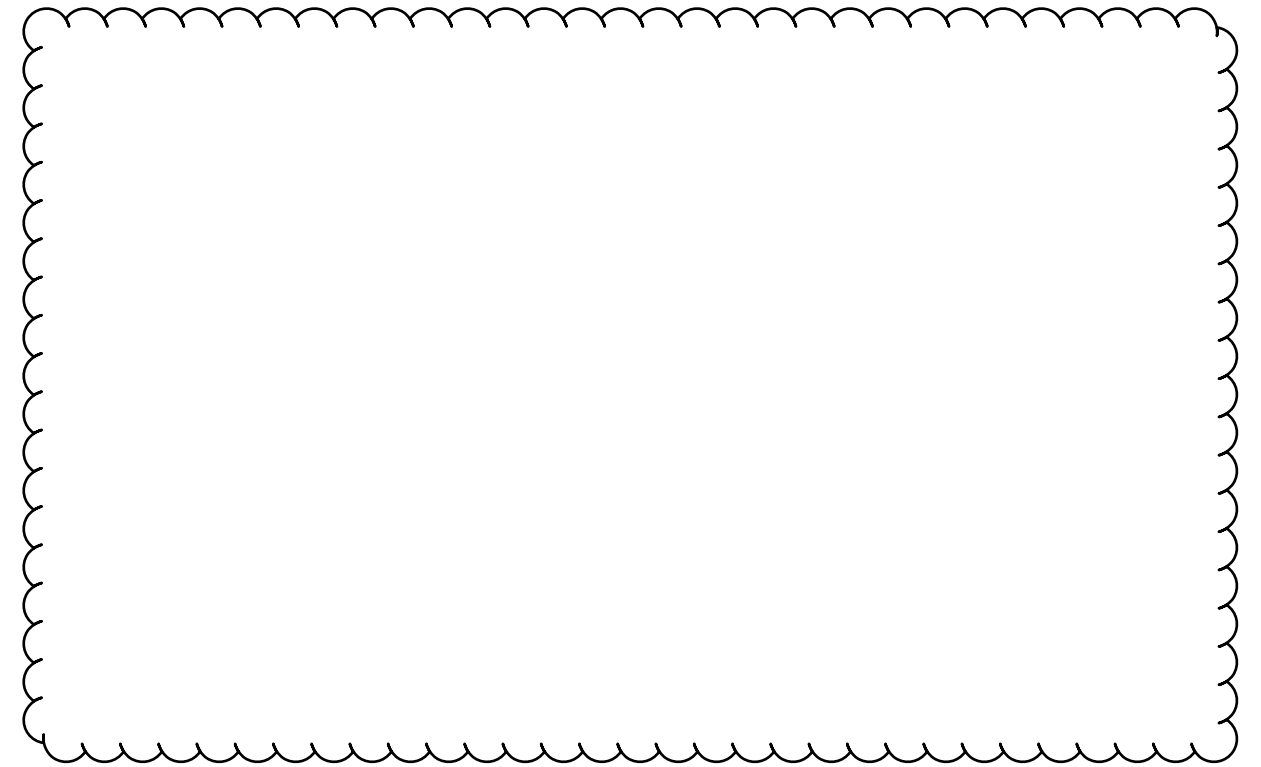
TYPICAL 1  
SLM 4.35 TO SLM 4.86



TYPICAL 2  
SLM 4.86 TO SLM 5.17  
SLM 5.55 TO SLM 8.77  
SKIP OVER STRUCTURE  
FRA-33-0738



TYPICAL 3  
SLM 5.17 TO SLM 5.55



**PAVEMENT LEGEND**

- ① ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING
- ② 1.5" ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE
- ③ 3.0" ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE
- ④ ITEM 407 - NON-TRACKING TACK COAT (CMS TABLE 407.6-1)
- ⑤ 1.5" ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), PG64-22
- ⑥ 1.25" ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), PG64-22
- ⑦ 1.75" ITEM 441 - ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (446)
- ⑧ ITEM 617 - COMPACTED SHOULDER AGGREGATE (AVERAGE 2" DEEP X 1' WIDE)
- (A) EXISTING ASPHALT PAVEMENT

NOTE 1 - MAINTAIN EXISTING GRADE

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SHEET NUM.										PART.				ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
6-8	11-12	17	18	19	24	25	26	28	31	01/NHS/PV	02/NHS/PV	03/NHS/PV	04/NHS/CUL						
<b>ROADWAY</b>																			
LS							64				LS			201	11001	LS	CLEARING AND GRUBBING, AS PER PLAN	6	
													64	202	35200	64	FT	PIPE REMOVED, OVER 24"	
				50									50	202	38000	50	FT	GUARDRAIL REMOVED	
				1									1	202	42041	1	EACH	ANCHOR ASSEMBLY REMOVED, TYPE T, AS PER PLAN	6
						1							1	202	58101	1	EACH	CATCH BASIN REMOVED, AS PER PLAN	25
						1							1	202	62001	1	EACH	JUNCTION BOX REMOVED, AS PER PLAN	25
2											2			202	98100	2	EACH	REMOVAL MISC.: STONE PILLAR REMOVED	7
1											1			202	98100	1	EACH	REMOVAL MISC.: BOULDER REMOVED	7
22											22			202	98100	22	EACH	REMOVAL MISC.: BOULDERS REMOVED AT QUARRY NORTH DRIVE	7
						90							90	202	98200	90	FT	REMOVAL MISC.: 3" GALVANIZED METAL PIPE	25
25											25			202	98200	25	FT	REMOVAL MISC.: FENCE	6
							20						20	202	98200	20	FT	REMOVAL MISC.: UNGROUTED STACKED STONE WALL	25
110											110			202	98200	110	FT	REMOVAL MISC.: STONE WALL REMOVED	6
							13						13	203	10000	13	CY	EXCAVATION	6
				358							354		4	203	20001	358	CY	EMBANKMENT, AS PER PLAN	6
											0.43			209	72050	7.82	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING	6
				50									50	606	13000	50	FT	GUARDRAIL, TYPE 5	
				1,375							1,250		125	606	15050	1,375	FT	GUARDRAIL, TYPE MGS	
				37.5									37.5	606	17360	37.5	FT	GUARDRAIL, TYPE MGS, LONG-SPAN	
				3							1		2	606	26150	3	EACH	ANCHOR ASSEMBLY, MGS TYPE E (NCHRP OR MASH 2016)	
				2							2			606	26550	2	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
100											100			606	98000	100	FT	GUARDRAIL, MISC.: ALTERNATIVE GUARDRAIL PLACEMENT	7
4											1		3	623	39500	4	EACH	MONUMENT BOX ADJUSTED TO GRADE	
<b>EROSION CONTROL</b>																			
							7.5						7.5	601	11000	7.5	SY	RIPRAP, TYPE D	
							5						5	601	32100	5	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	
								3			3			616	10000	3	MGAL	WATER	
						358					358			659	00300	358	CY	TOPSOIL	
						2,137					2,114		23	659	10000	2,137	SY	SEEDING AND MULCHING	
						107					107			659	14000	107	SY	REPAIR SEEDING AND MULCHING	
						107					107			659	15000	107	SY	INTER-SEEDING	
						0.29					0.29			659	20000	0.29	TON	COMMERCIAL FERTILIZER	
						0.44					0.44			659	31000	0.44	ACRE	LIME	
						12					12			659	35000	12	MGAL	WATER	
											150		50	832	30000	1,000	EACH	EROSION CONTROL	
<b>DRAINAGE</b>																			
							1.68						1.68	602	20000	1.68	CY	CONCRETE MASONRY	
							56						56	611	19200	56	FT	42" CONDUIT, TYPE A 707.04 (1/2") (0.079), 707.04 (1") (0.079), 707.07 ALUMINIZED	
								370					370	611	97400	370	FT	CONDUIT, MISC.: PIPE CLEANOUT	25
4											4			611	98630	4	EACH	CATCH BASIN ADJUSTED TO GRADE	
							1						1	611	98690	1	EACH	CATCH BASIN, MISC.: CLEAN AND REPAIR EXISTING CATCH BASIN	25
4											4			611	99654	4	EACH	MANHOLE ADJUSTED TO GRADE	
<b>PAVEMENT</b>																			
81					806								887	251	01041	887	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN , TYPE 1	6
4					6,419								43	251	01041	6,423	SY	PARTIAL DEPTH PAVEMENT REPAIR (ASPHALT CONCRETE BASE), AS PER PLAN , TYPE 2	6
											10,771			254	01000	10,771	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
											916			254	01000	94,852	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.0"	
											448			407	20000	14,333	GAL	NON-TRACKING TACK COAT	
											448			441	10000	448	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22, 1.5"	
											3,334			441	10000	3,334	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22, 1.25"	
											4,610			441	10200	4,610	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446), 1.75"	
											34			617	10100	530	CY	COMPACTED AGGREGATE	
3											0.5			617	25000	5	MGAL	WATER	

GENERAL SUMMARY

FRA - 33-4.35

CALCULATED  
MAK  
CHECKED  
DKR





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SHEET NO.	LOCATION	625			632				809									
		BRACKET ARM, 20', AS PER PLAN EACH	BRACKET ARM, 30', AS PER PLAN EACH	PULL BOX REMOVED EACH	SIGNALIZATION, MISC.: DETECTOR LOOP, CITY OF COLUMBUS EACH	SIGNALIZATION, MISC.: LOOP DETECTOR TIE-IN, CITY OF COLUMBUS EACH	SIGNALIZATION, MISC.: UNLASH AND RELASH MESSENGER WIRE FT	SIGNALIZATION MISC.: LOOP LEAD-IN REMOVAL LUMP	ADVANCE RADAR DETECTION EACH	STOP LINE RADAR DETECTION EACH								
31	US 33 AND RIVERSIDE GREEN				8	8												
32	US 33 AND CRANSTON DRIVE			4			88	LUMP	2	2								
33	US 33 AND HENDERSON ROAD		1	4			135	LUMP	3	1								
34	US 33 AND LANE ROAD / PARK ENTRANCE			5			122	LUMP	2	2								
35	US 33 AND MCCOY ROAD	1		6			148	LUMP	3	2								
TOTALS CARRIED TO GENERAL SUMMARY		1	2	19	8	8	493	LUMP	10	7								

CALCULATED MAK	CHECKED DAC	US 33 SIGNAL QUANTITIES	FRA - 33-4.35	31
				36