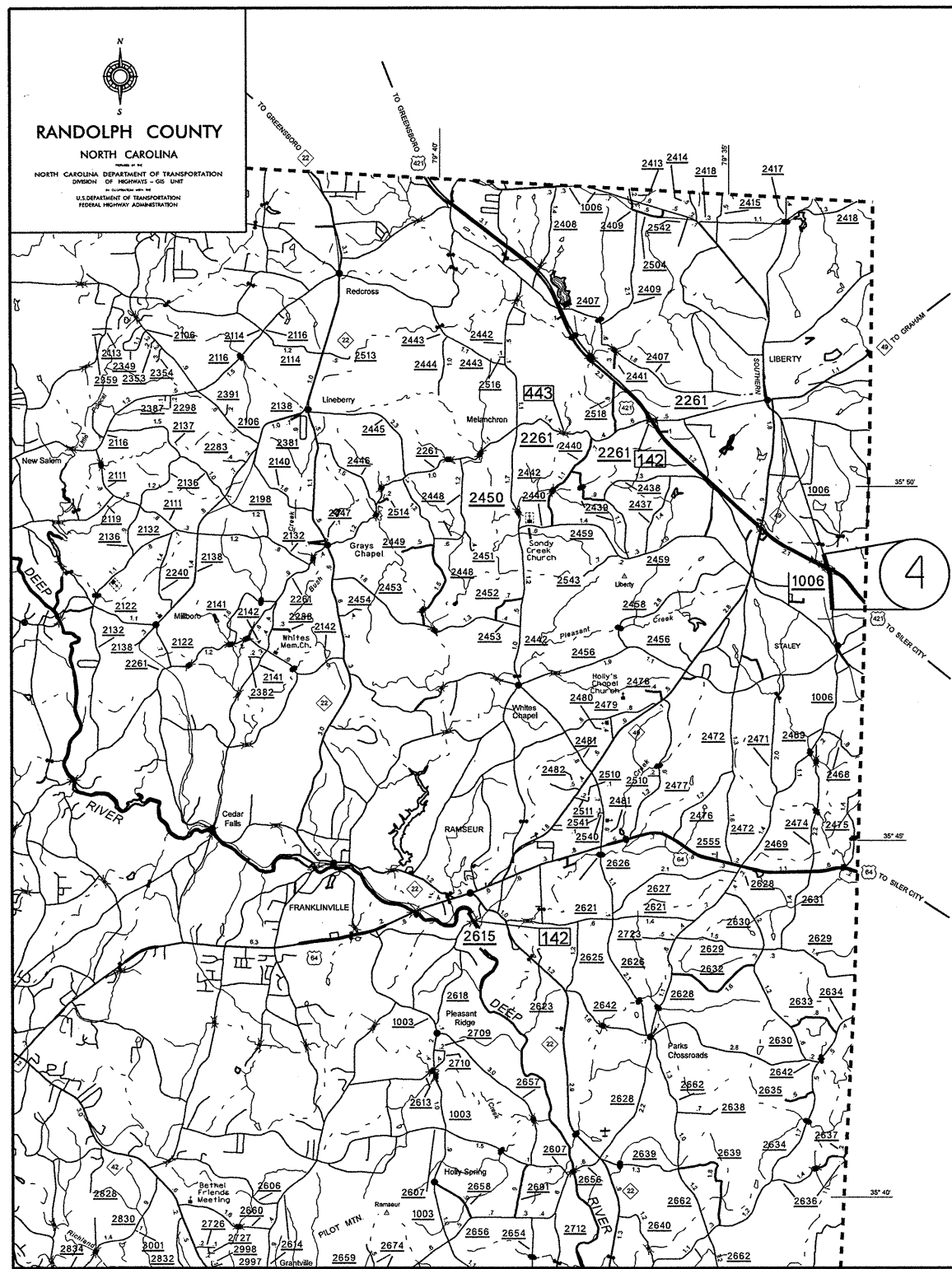
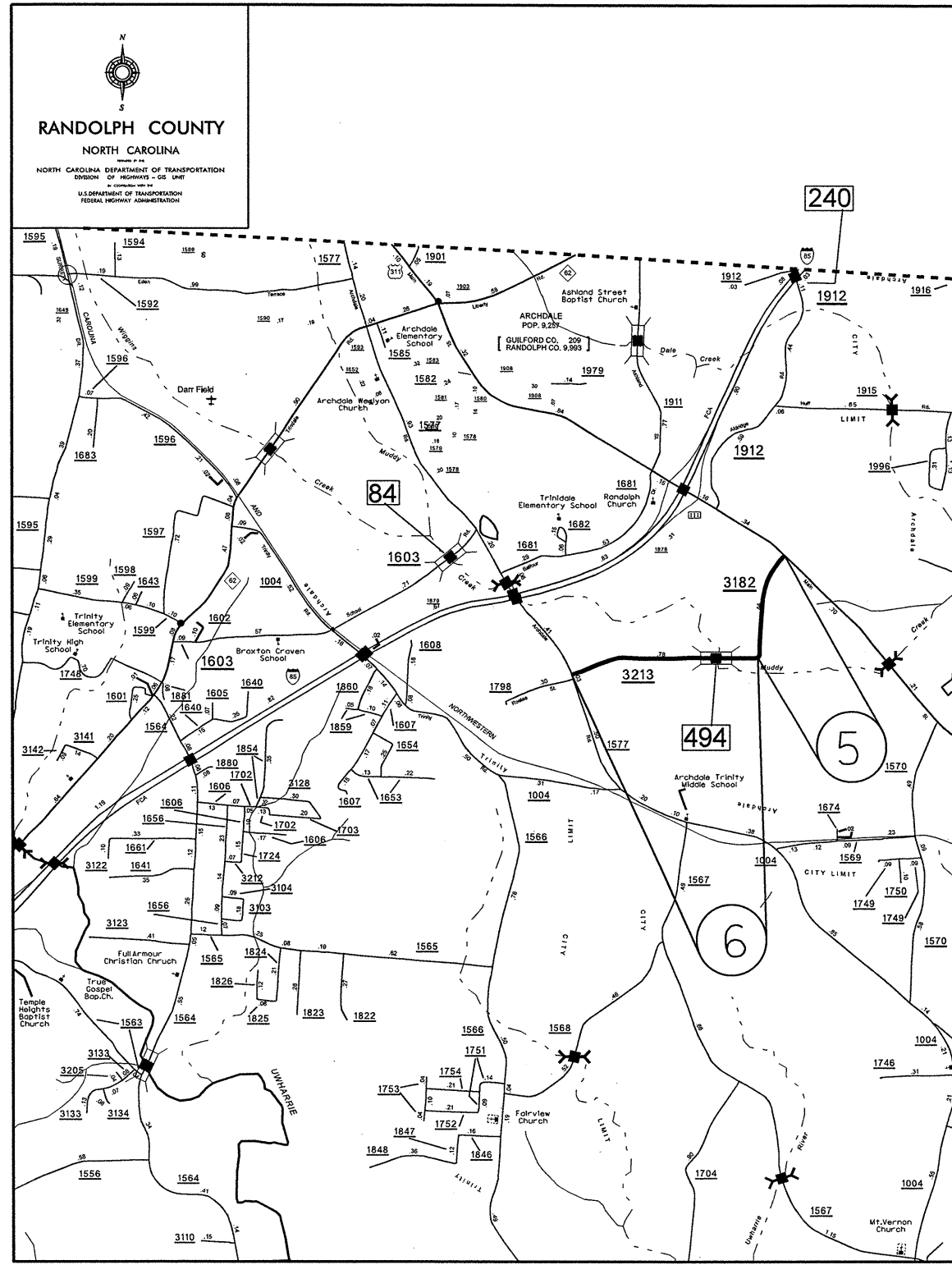


MONTGOMERY COUNTY

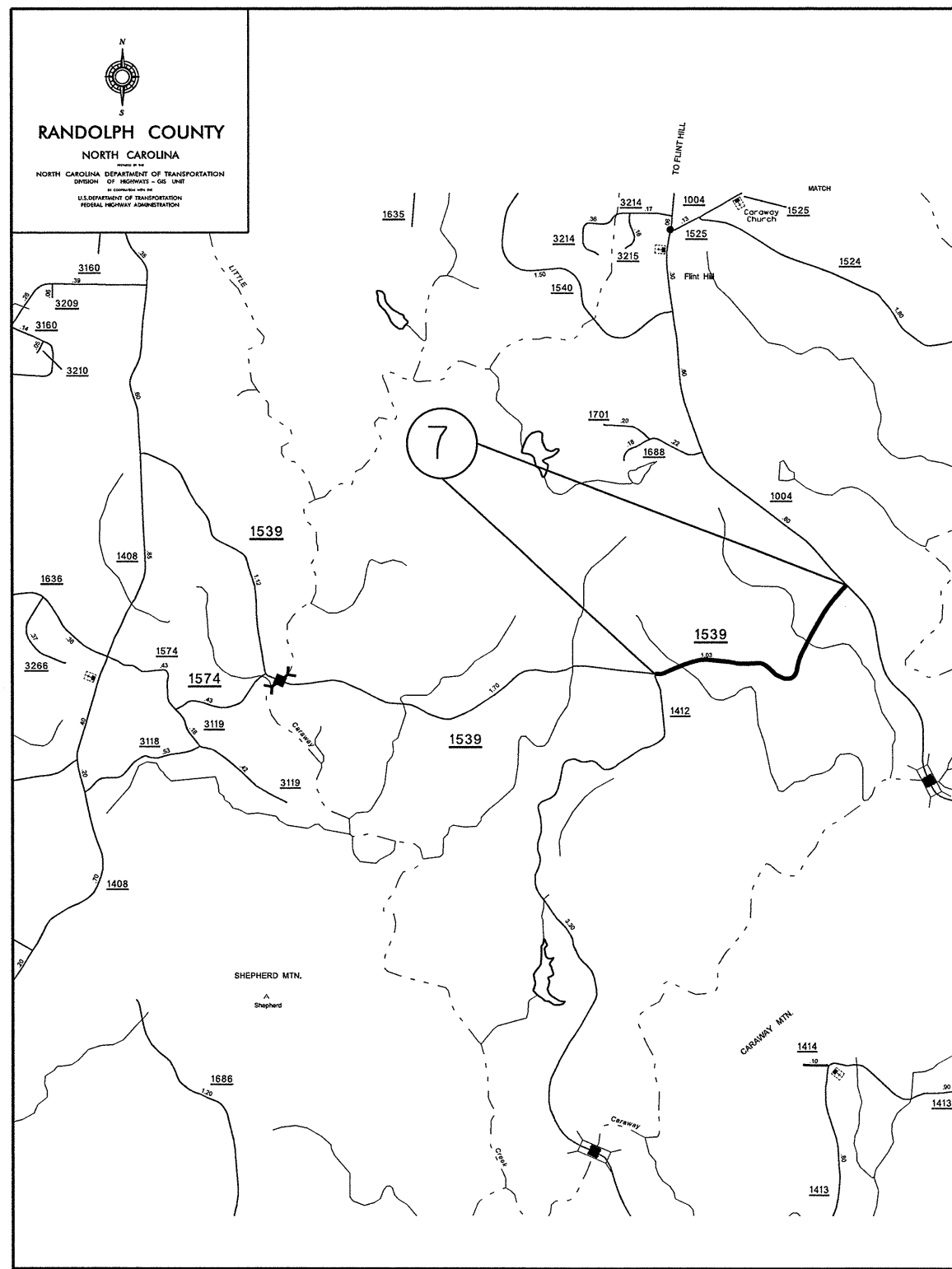
MAPS #4



MAPS #5 & #6



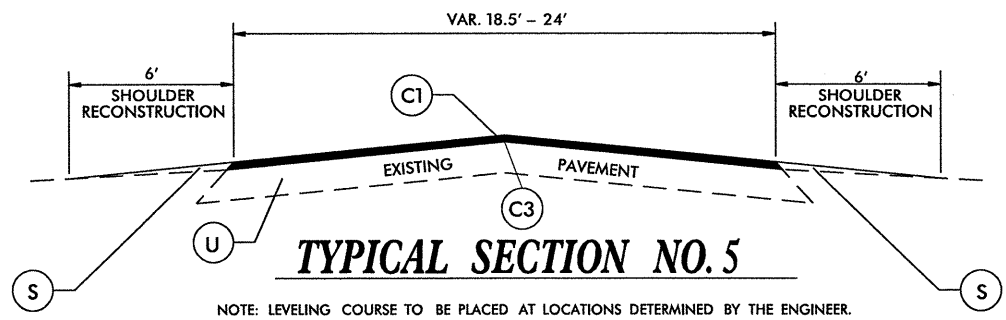
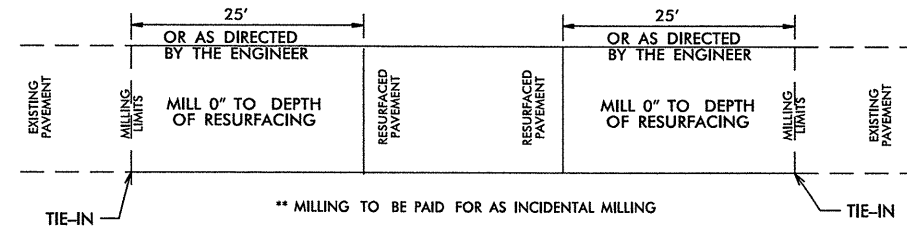
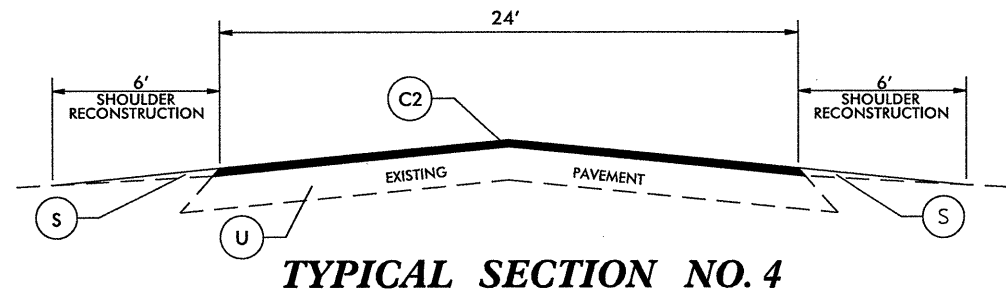
MAPS #8



040397

MONTGOMERY & RANDOLPH COUNTY TYPICAL SECTIONS

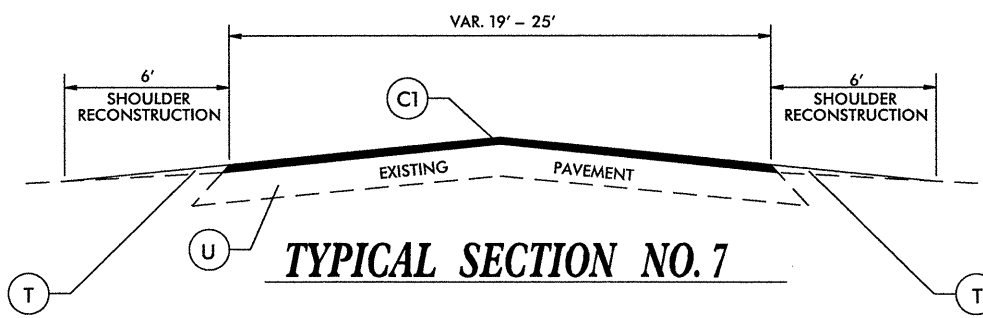
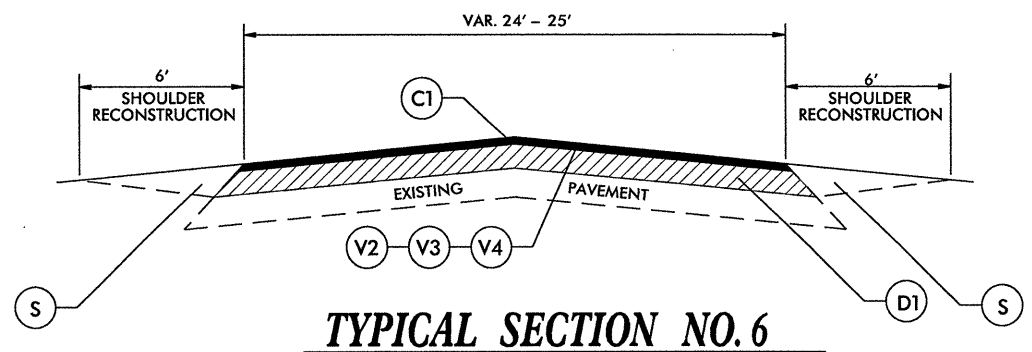
WBS ELEMENT	SHEET NO.
8.1062111, 8CR.10621.18 8CR.20621.18, 8CR.20761.18	6



PAVEMENT TIE-IN DETAIL

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	PROP. VAR. DEPTH ASPHALT CONCRETE LEVELING COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
D1	PROP. APPROX. 2 ½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
S	AGGREGATE SHOULDER BORROW
T	EARTH MATERIAL
U	EXISTING PAVEMENT.
V1	MILLING 1.5" IN DEPTH
V2	MILLING 2" IN DEPTH
V3	MILLING 2" TO 4" IN DEPTH
V4	MILLING 4" IN DEPTH

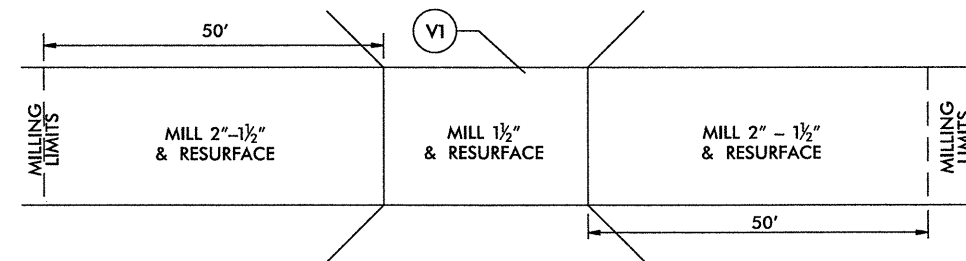
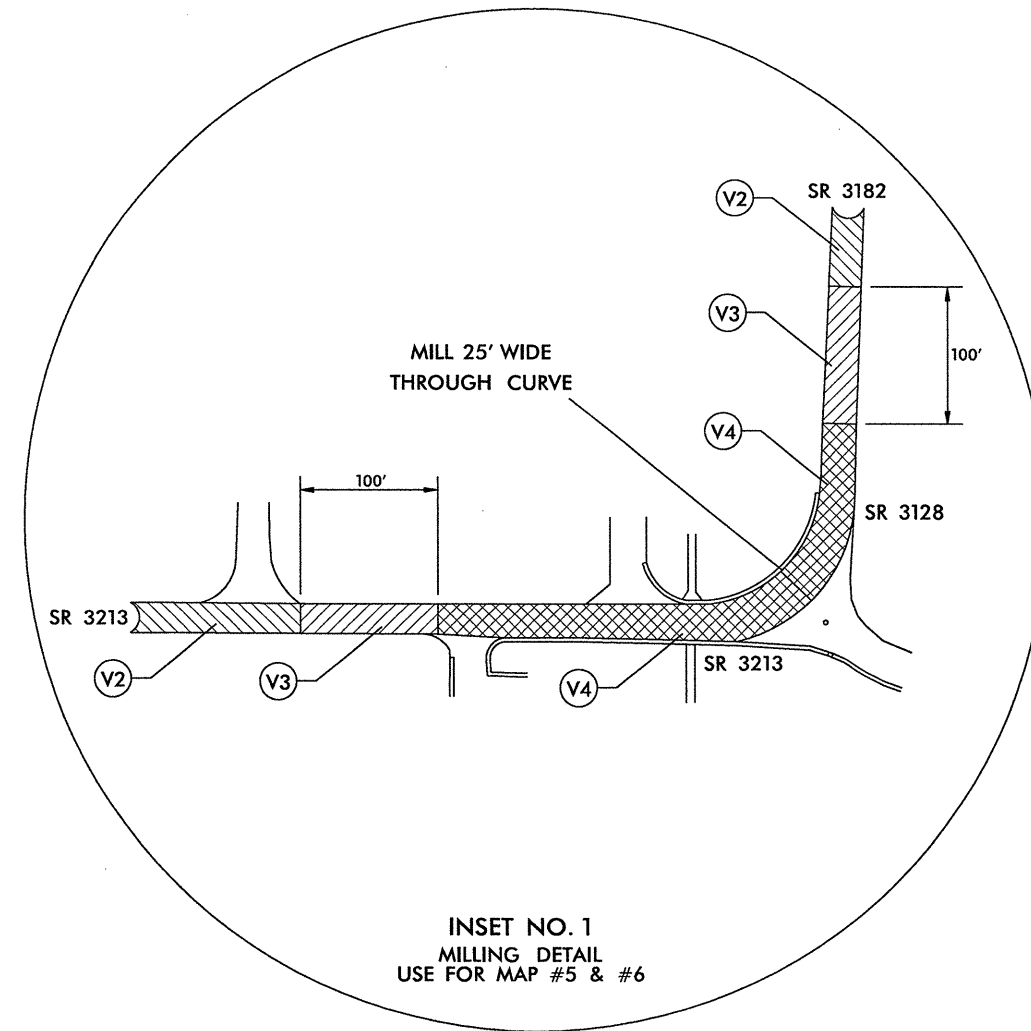
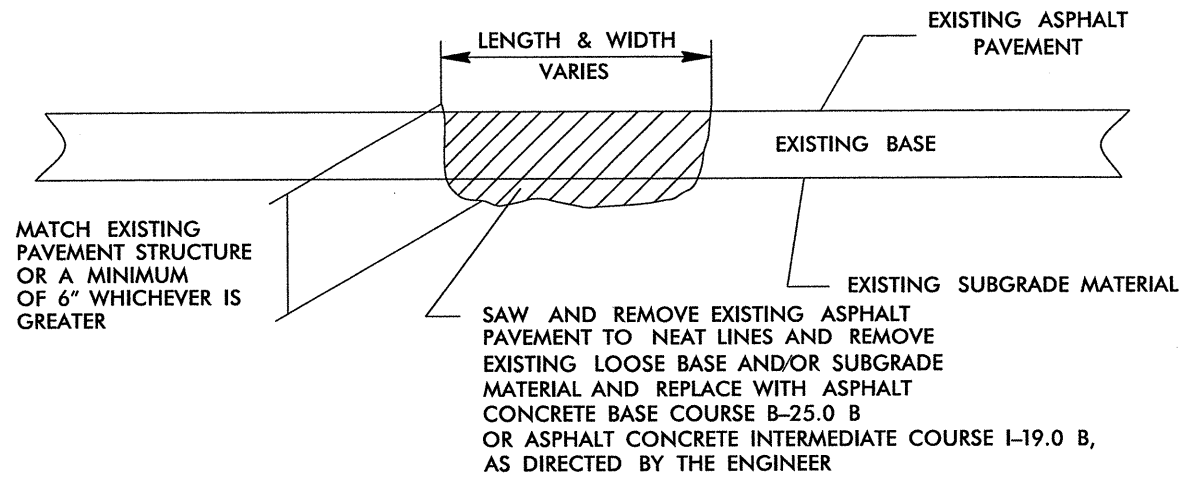


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MONTGOMERY & RANDOLPH COUNTY TYPICAL SECTIONS

DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING

DETAIL



BRIDGE DRAWING FOR SR 3213
USE FOR MAP #6

* MILLING FOR BRIDGE APPROACHES SHALL BE PAID FOR UNDER INCIDENTAL MILLING

PROJECT NO.	SHEET NO.	TOTAL NO.
8.106211, 8CR.10621.18, ETC.	8	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	BORROW EXCAVATION CY	GENERIC GRADING ITEM - AGGREGATE SHOULDER BORROW TON	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1.5" MILLING SY	4" MILLING SY	2" MILLING SY	2" TO 4" MILLING SY	INCIDENTAL MILLING SY
8.106211	Montgomery	1	NC 731	FROM MT. GILEAD TOWN LIMITS TO BEGINNING OF C & G	1,2	NO	0.18	24					2,760				200
TOTAL FOR PROJ NO. 8.106211							0.18						2,760				200
8CR.10621.18	Montgomery	2	NC 24/27	FROM END OF C&G NORTH OF SR 1615 TO SR 1137	1,2,8	NO	2.69	36					55,400				1,500
TOTAL FOR PROJ NO. 8CR.10621.18							2.69						55,400				1,500
8CR.20621.18	Montgomery	3	SR 1161	FROM PVMT JT. @ SR 1162 TO DAVIDSON COUNTY LINE	4	NO	0.98	22		86.00		1.96					245
TOTAL FOR PROJ NO. 8CR.20621.18							0.98			86		1.96					245
8CR.20761.18	Randolph	4	SR 1006	FROM STALEY CITY LIMITS TO CONST. JOINT 650' N OF US 421	5	NO	0.827	24		198.48	83	1.65					400
		5	SR 3182	FROM CONST JOINT 800' S OF US 311 TO SR 3213	6	NO	0.296	24		74.00	30	0.59		400	3,600	275	
		6	SR 3213	FROM SR 3182 TO SR 1577	6	NO	0.752	25		188.00	75	1.50	275	1,365	10,000	275	400
		7	SR 1539	FROM SR 1004 TO SR 1408	7	NO	1.03	20.5	160		103	2.06					775
TOTAL FOR PROJ NO. 8CR.20761.18							2.905		160	460.48	291	5.80	275	1,765	13,600	550	1,575
GRAND TOTAL							6.755		160	546.48	291	7.762	58435	1765	13600	550	3520

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	INTERMEDIATE COURSE, I19.0B TONS	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TON	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ADJUST MANHOLES EA	WATTLE LF	SEED & MULCHING AC
8.106211	Montgomery	1	NC 731	FROM MT. GILEAD TOWN LIMITS TO BEGINNING OF C & G	1,2	NO	0.18	24		320			19		1		
TOTAL FOR PROJ NO. 8.106211							0.18			320			19		1		
8CR.10621.18	Montgomery	2	NC 24-27	FROM END OF C&G NORTH OF SR 1615 TO SR 1137	1,2,8	NO	2.69	36		4,985			299				
TOTAL FOR PROJ NO. 8CR.10621.18							2.69			4,985			299				
8CR.20621.18	Montgomery	3	SR 1161	FROM PVMT JT. @ SR 1162 TO DAVIDSON COUNTY LINE	4	NO	0.98	22				1,145	77	10			
TOTAL FOR PROJ NO. 8CR.20621.18							0.98	22				1,145	77	10			
8CR.20761.18	Randolph	4	SR 1006	FROM STALEY CITY LIMITS TO CONST. JOINT 650' N OF US 421	5	NO	0.827	24		1,400	300		102	60			
		5	SR 3182	FROM CONST JOINT 800' S OF US 311 TO SR 3213	6	NO	0.296	24	630	370			52	120	4		
		6	SR 3213	FROM SR 3182 TO SR 1577	6	NO	0.752	25	1,720	1,015			144	60	11		
		7	SR 1539	FROM SR 1004 TO SR 1408	7	NO	1.03	20.5		1,120			67	420		60	1.03
TOTAL FOR PROJ NO. 8CR.20761.18							2.905		2,350	3,905	300		365	660	15	60	1.03
GRAND TOTAL							6.755		2350	9210	300	1145	760	670	16	60	1.03

PROJECT NO.	SHEET NO.	TOTAL NO.
8.106211, 8CR.10621.18, ETC.	9	

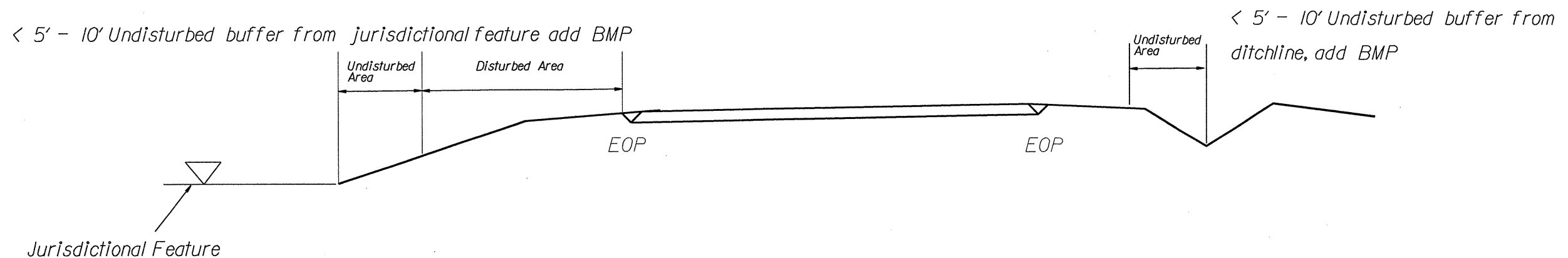
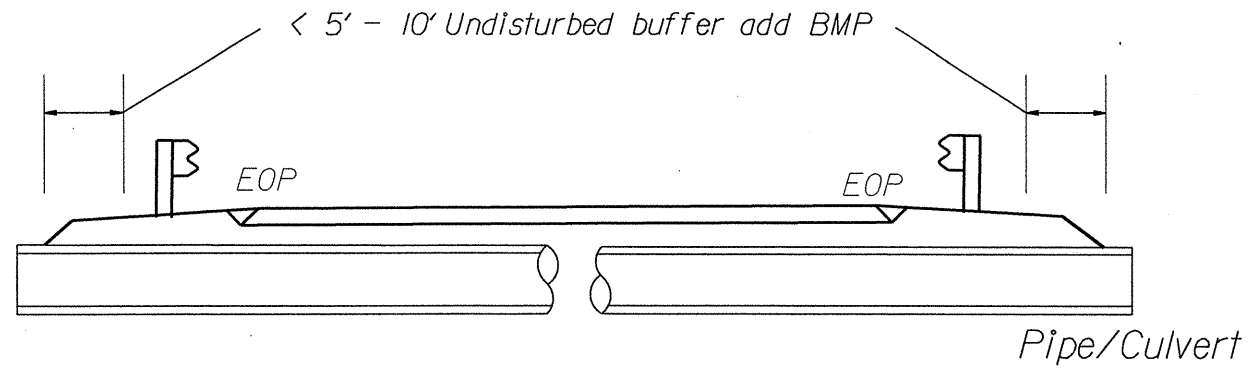
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4399000000-N	4685000000-E	4686000000-E			4695000000-E		4710000000-E	4725000000-E			4810000000-E		4820000000-E	4900000000-N	
							TEMPORARY TRAFFIC CONTROL LS	4" X 90 M WHITE THERMO LF	4" X 120 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	8" X 90 M YELLOW THERMO LF	8" X 90 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO LT ARROW 90 M EA	THERMO STR ARROW 90 M EA	THERMO RT ARROW 90 M EA	4" WHITE PAINT LF	4" YELLOW PAINT LF	8" YELLOW PAINT LF	YELLOW & YELLOW MARKERS EA	CRYSTAL & RED MARKERS EA	
8.106211	Montgomery	1	NC 731	FROM MT. GILEAD TOWN LIMITS TO BEGINNING OF C & G	0.18	24		2,100	94	1,850							2,000	2,000		12		
TOTAL FOR PROJ NO. 8.106211								2,100	94	1,850								2,000	2,000		12	
									1,944								4,000			12		
8CR.10621.18	Montgomery	2	NC 24-27	FROM END OF C&G NORTH OF SR 1615 TO SR 1137	2.69	36		29,950	1,860	34,062	270	1,500		18	6	4	28,500	28,500		286	30	
TOTAL FOR PROJ NO. 8CR.10621.18								29,950	1,860	34,062	270	1,500		18	6	4	28,500	28,500		286	30	
									35,922			1,770			28			57,000			316	
8CR.20621.18	Montgomery	3	SR 1161	FROM PVMT JT. @ SR 1162 TO DAVIDSON COUNTY LINE	0.98	22											21,500	19,000				
TOTAL FOR PROJ NO. 8CR.20621.18																		21500	19000			
																	40,500					
8CR.20761.18	Randolph	4	SR 1006	FROM STALEY CITY LIMITS TO CONST. JOINT 650' N OF US 421	0.827	24								4		4	26,530	28,833	300	79	30	
		5	SR 3182	FROM CONST JOINT 800' S OF US 311 TO SR 3213	0.296	24											9,500	9,380		20		
		6	SR 3213	FROM SR 3182 TO SR 1577	0.752	25							114	2		2	24,100	19,920		50	20	
		7	SR 1539	FROM SR 1004 TO SR 1408	1.03	20.5											22,166	22,166		68		
TOTAL FOR PROJ NO. 8CR.20761.18													114	6		6	82,296	80,299	300	217	50	
														12			162,595			267		
GRAND TOTAL					6.755		1	32050	1954	35912	270	1500	114	24	6	10	134296	129799	300	515	80	
									37,866			1,770			40			264,095			595	

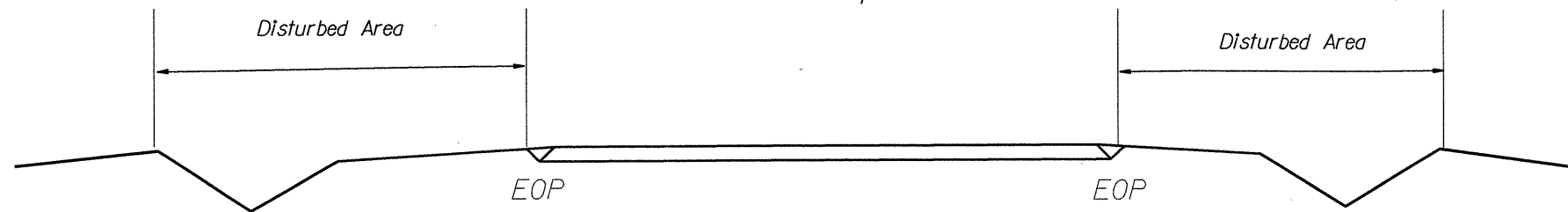
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

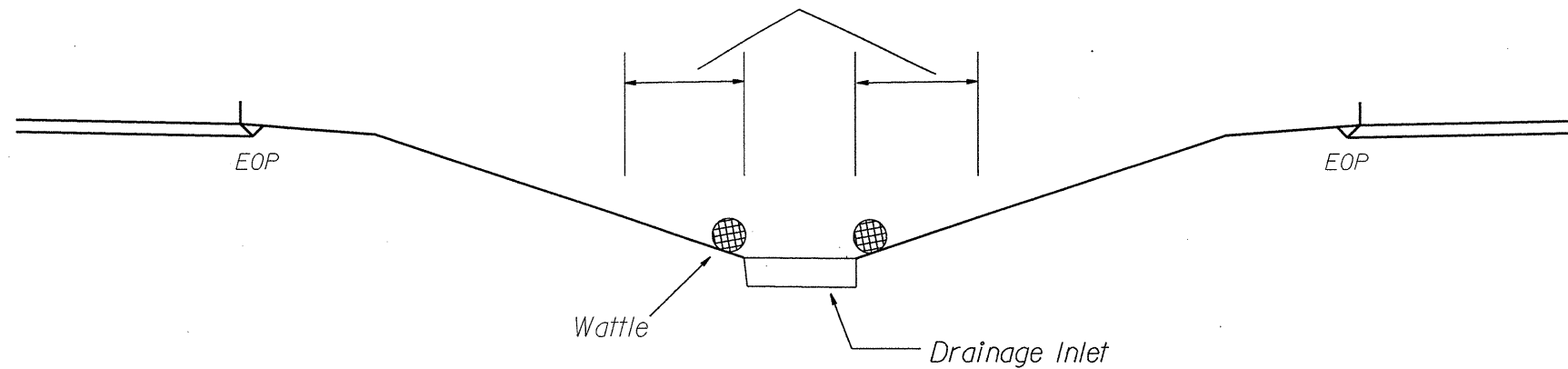
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed

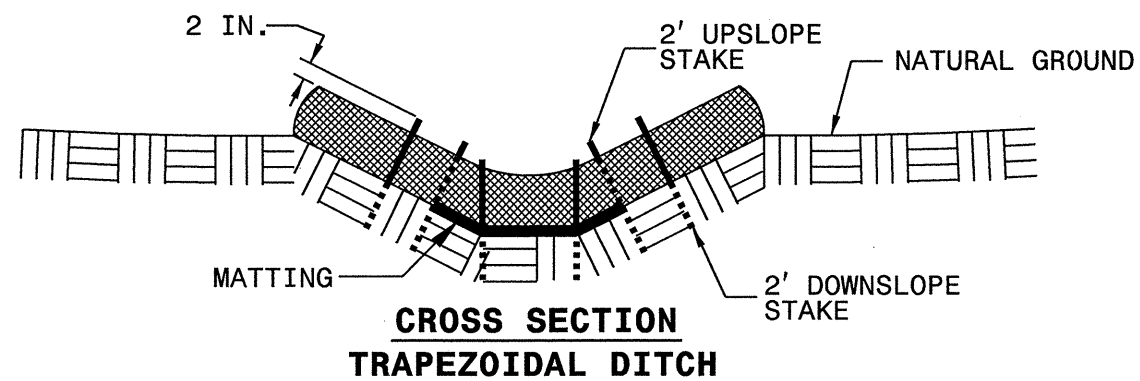
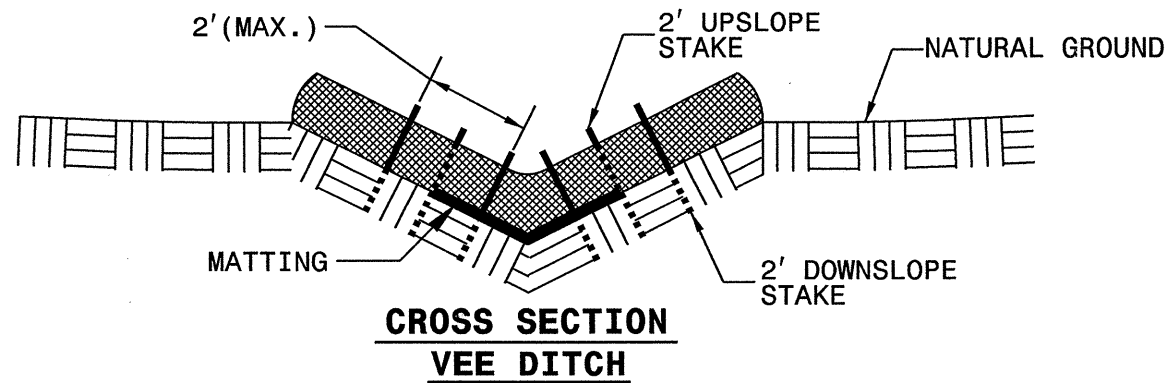
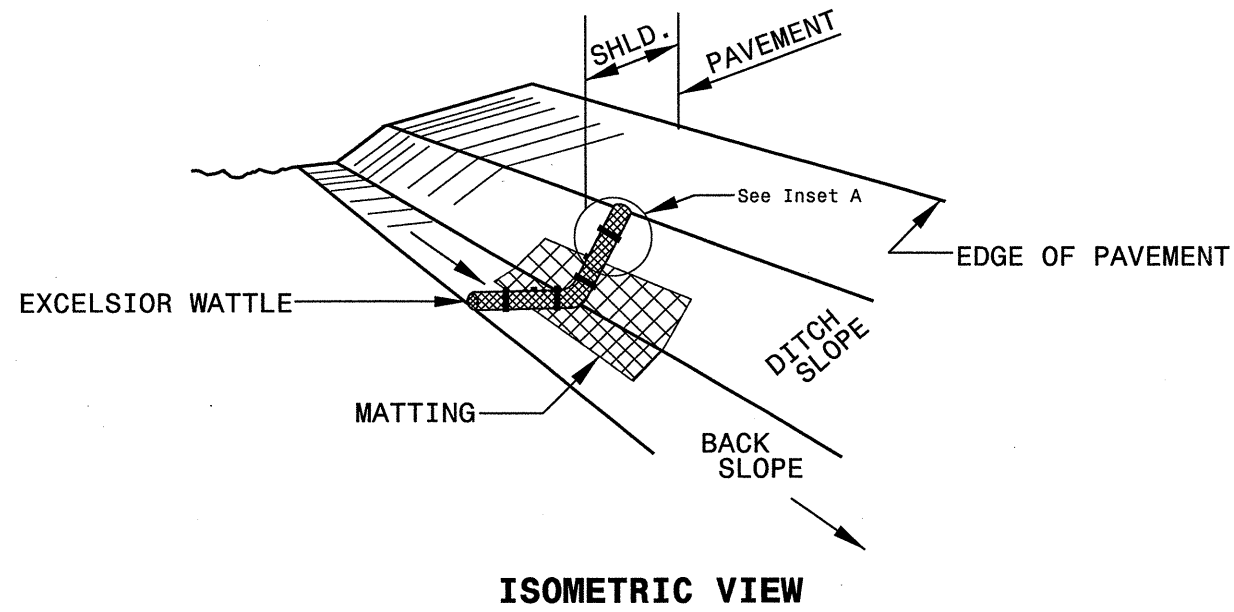


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

