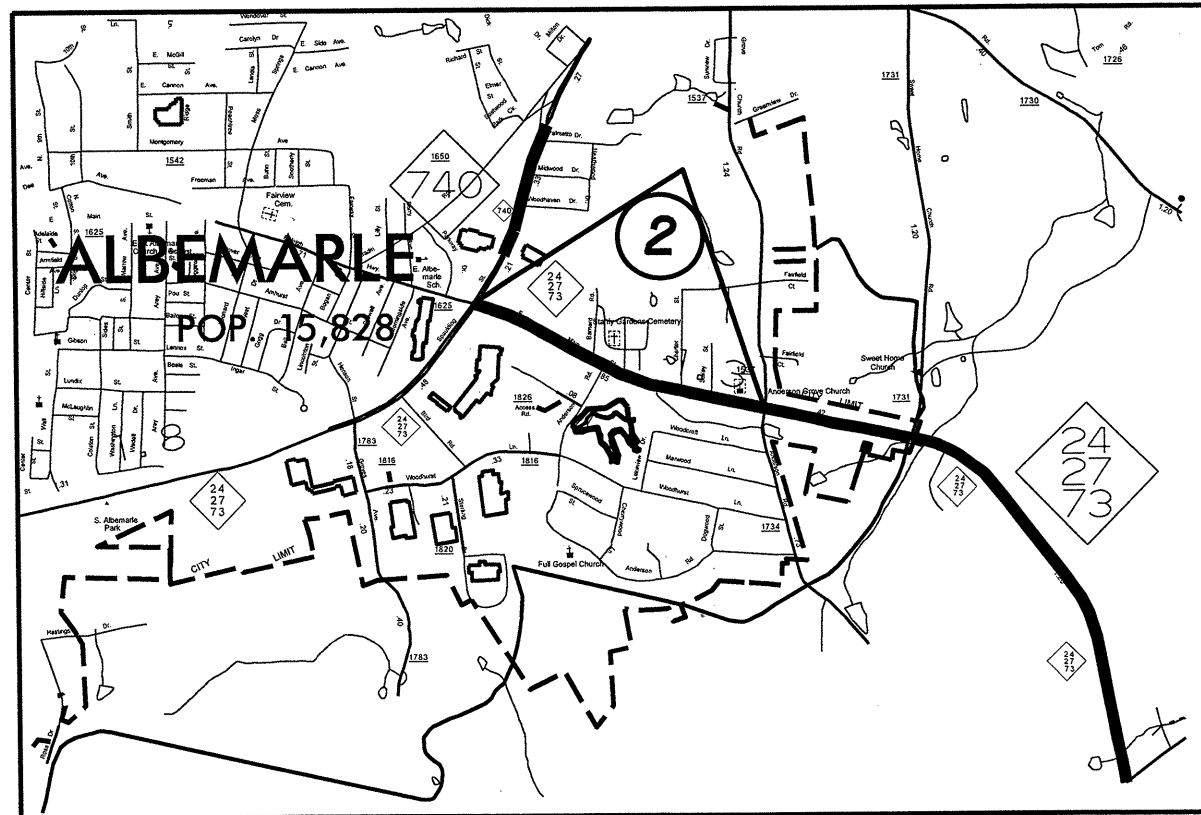
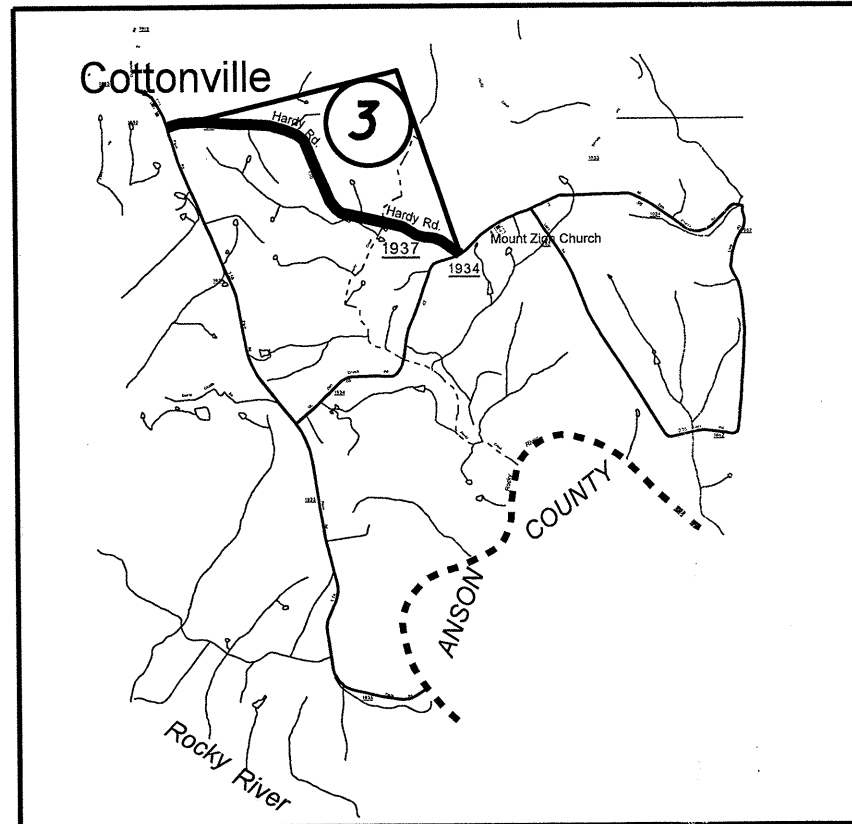
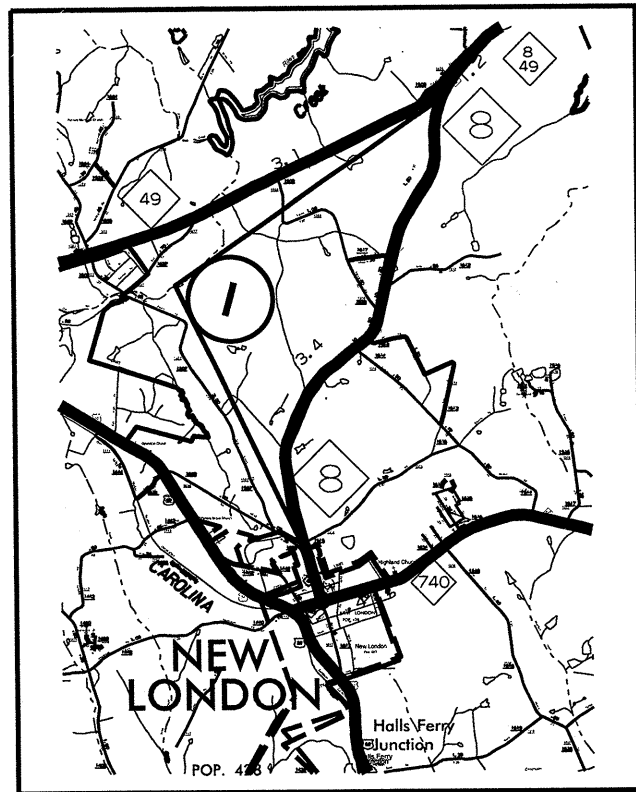


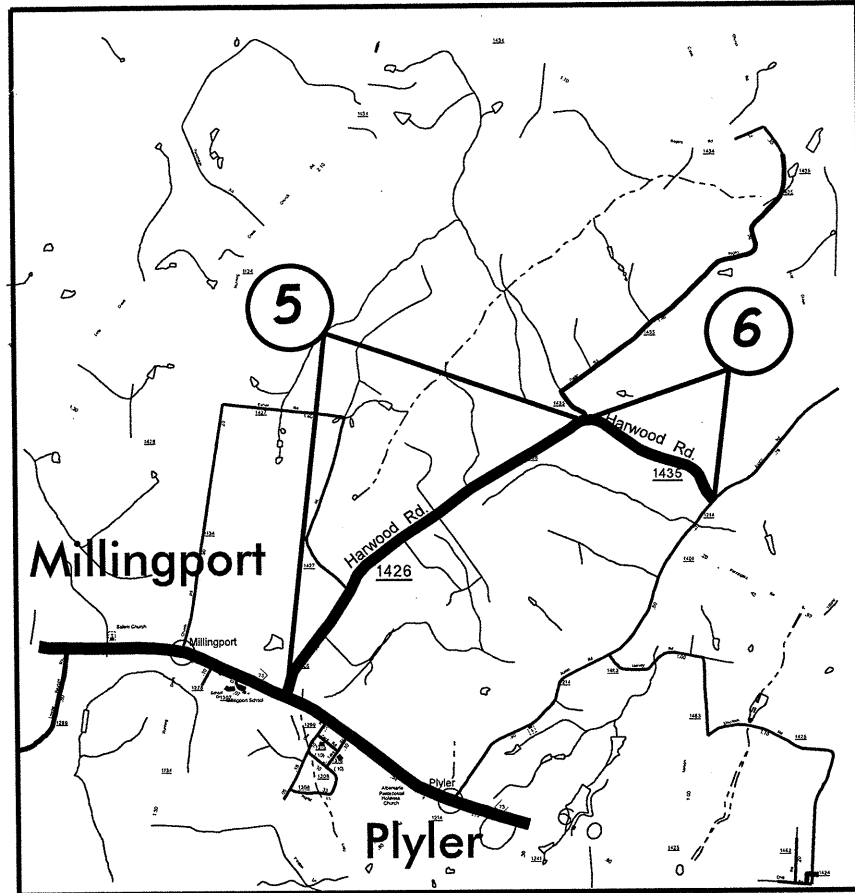
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CRJ084L35	1	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
STANLY COUNTY
 NORTH CAROLINA
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - GIS UNIT
IN COOPERATION WITH THE
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

MAP #	ROUTE	DESCRIPTION
1	NC 8	FROM PAVEMENT JOINT @ SR 1638 (OLD US 52) MP 0.54 TO PAVEMENT JOINT BEFORE NC 49 MP 3.94
2	NC 24/27	FROM NC 740 MP 18.98 TO END CURB & GUTTER SECTION MP 19.83
3	SR 1937 (HARDY ROAD)	FROM SR 1935 (PLANK ROAD) MP 0.00 TO SR 1934 (MOUNT ZION CHURCH ROAD) MP 1.70
4	SR 1214 (AUSTIN ROAD)	FROM SR 1227 (RIDGECREST ROAD) MP 3.54 TO SR 1249 (CANTON ROAD) MP 7.38
5	SR 1426 (HARWOOD ROAD)	FROM NC 73 MP 0.00 TO SR 1435 (POPLIN ROAD) MP 1.85
6	SR 1435 (HARWOOD ROAD)	FROM SR 1214 (AUSTIN ROAD) MP 0.00 TO SR 1426 (HARWOOD ROAD) MP 0.72

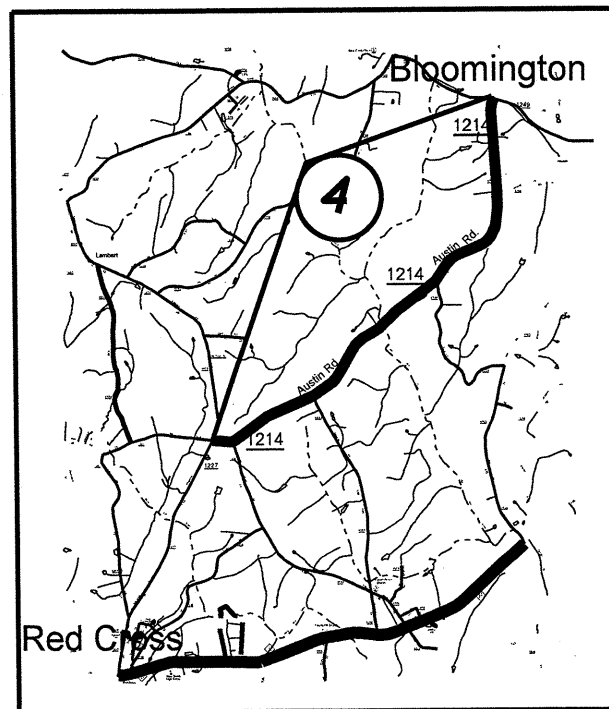
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	ICRJD84L35	2	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
STANLY COUNTY
 NORTH CAROLINA

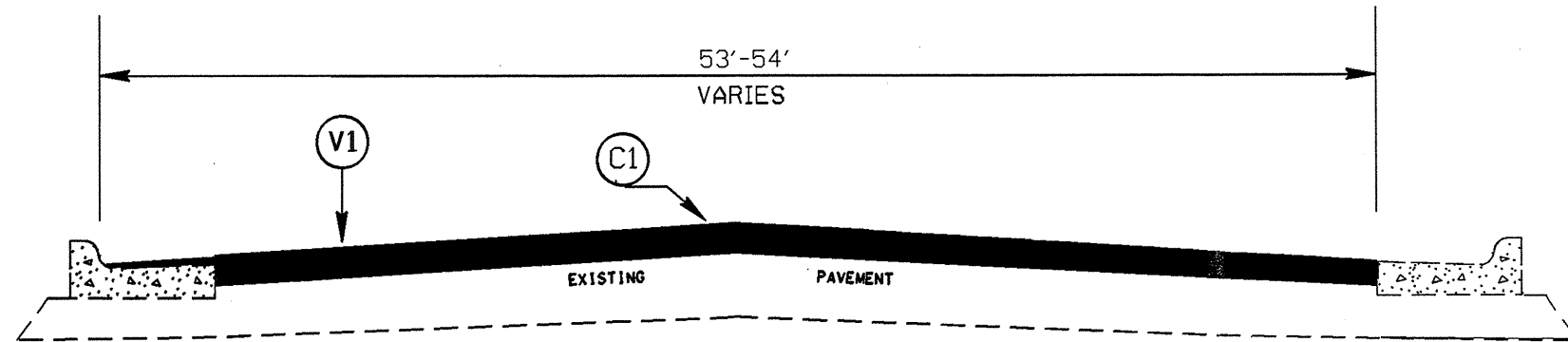
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - GIS UNIT

IN COOPERATION WITH THE
 U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

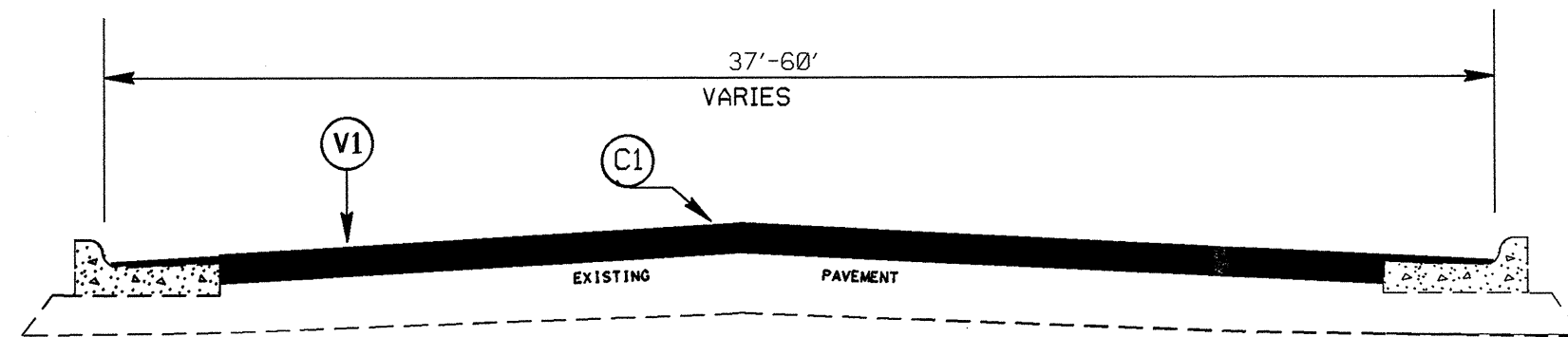
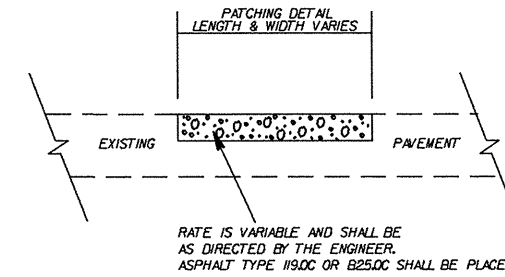


MAP #	ROUTE	DESCRIPTION
1	NC 8	FROM PAVEMENT JOINT @ SR 1638 (OLD US 52) MP 0.54 TO PAVEMENT JOINT BEFORE NC 49 MP 3.94
2	NC 24/27	FROM NC 740 MP 18.98 TO END CURB & GUTTER SECTION MP 19.83
3	SR 1937 (HARDY ROAD)	FROM SR 1935 (PLANK ROAD) MP 0.00 TO SR 1934 (MOUNT ZION CHURCH ROAD) MP 1.70
4	SR 1214 (AUSTIN ROAD)	FROM SR 1227 (RIDGECREST ROAD) MP 3.54 TO SR 1249 (CANTON ROAD) MP 7.38
5	SR 1426 (HARWOOD ROAD)	FROM NC 73 MP 0.00 TO sr 1435 (POPLIN ROAD) MP 1.85
6	SR 1435 (HARWOOD ROAD)	FROM SR 1214 (AUSTIN ROAD) MP 0.00 TO SR 1426 (HARWOOD ROAD) MP 0.72

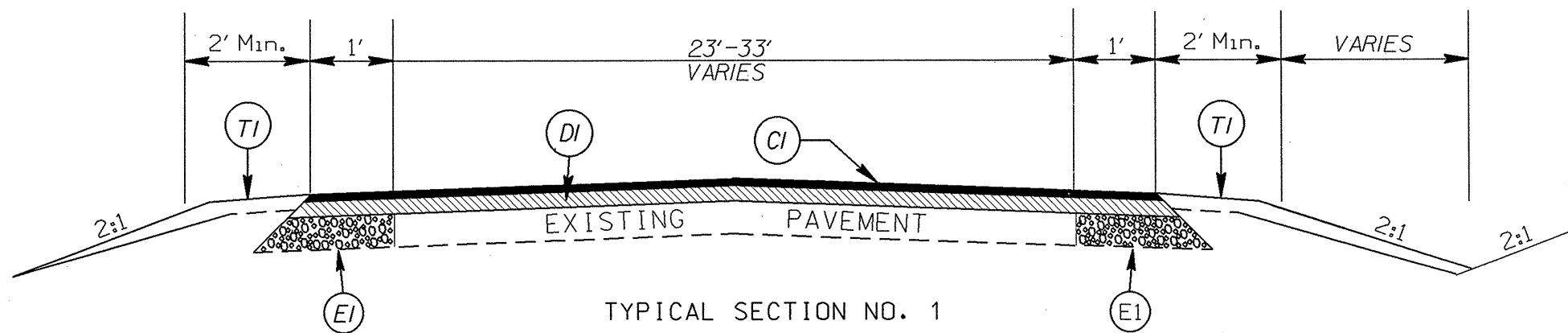
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR10841.35, etc.	3	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 3



TYPICAL SECTION NO. 2



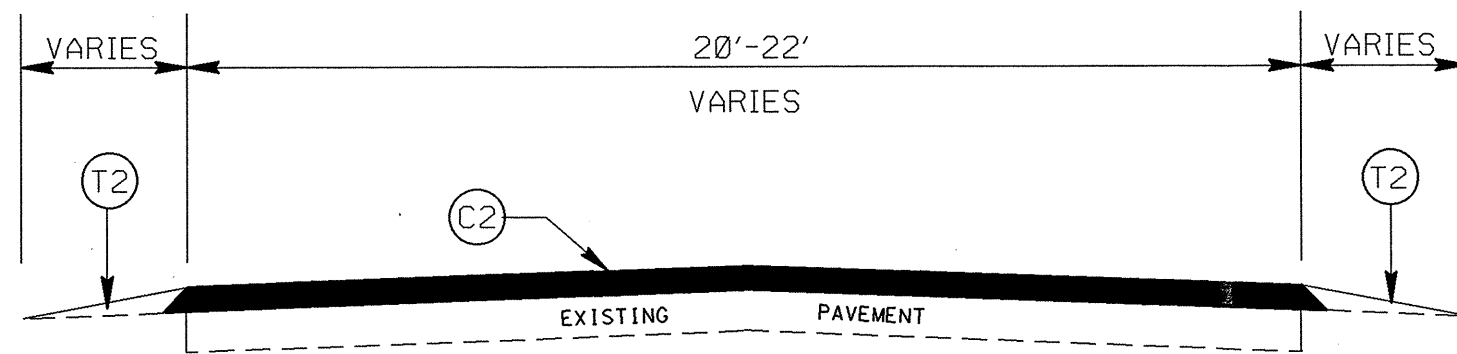
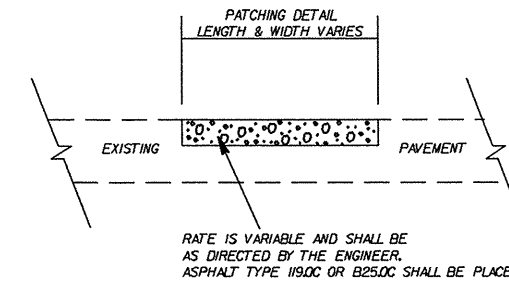
TYPICAL SECTION NO. 1

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 188 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 188 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
T1	SHOULDER CONSTRUCTION
T2	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH.
E1	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 827 LBS. PER SQ. YD. IN ONE LAYER

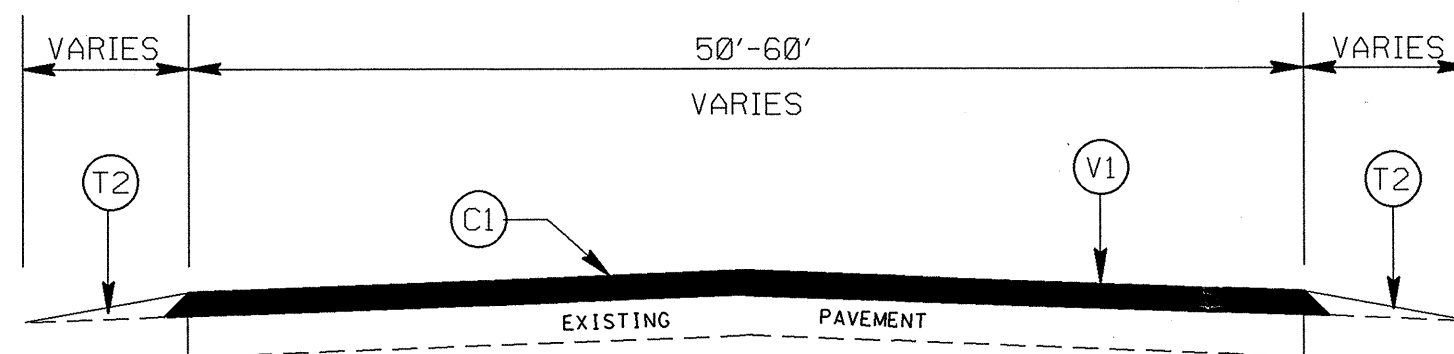
STANLY COUNTY
RESURFACING 2013

SCALE	-NA-		REVISIONS
DATE	12/11		
DWG. BY	JDA		
DESIGN BY	JDA		
APPROVED	MPM		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10841.35, etc.	4	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 5



TYPICAL SECTION NO. 4

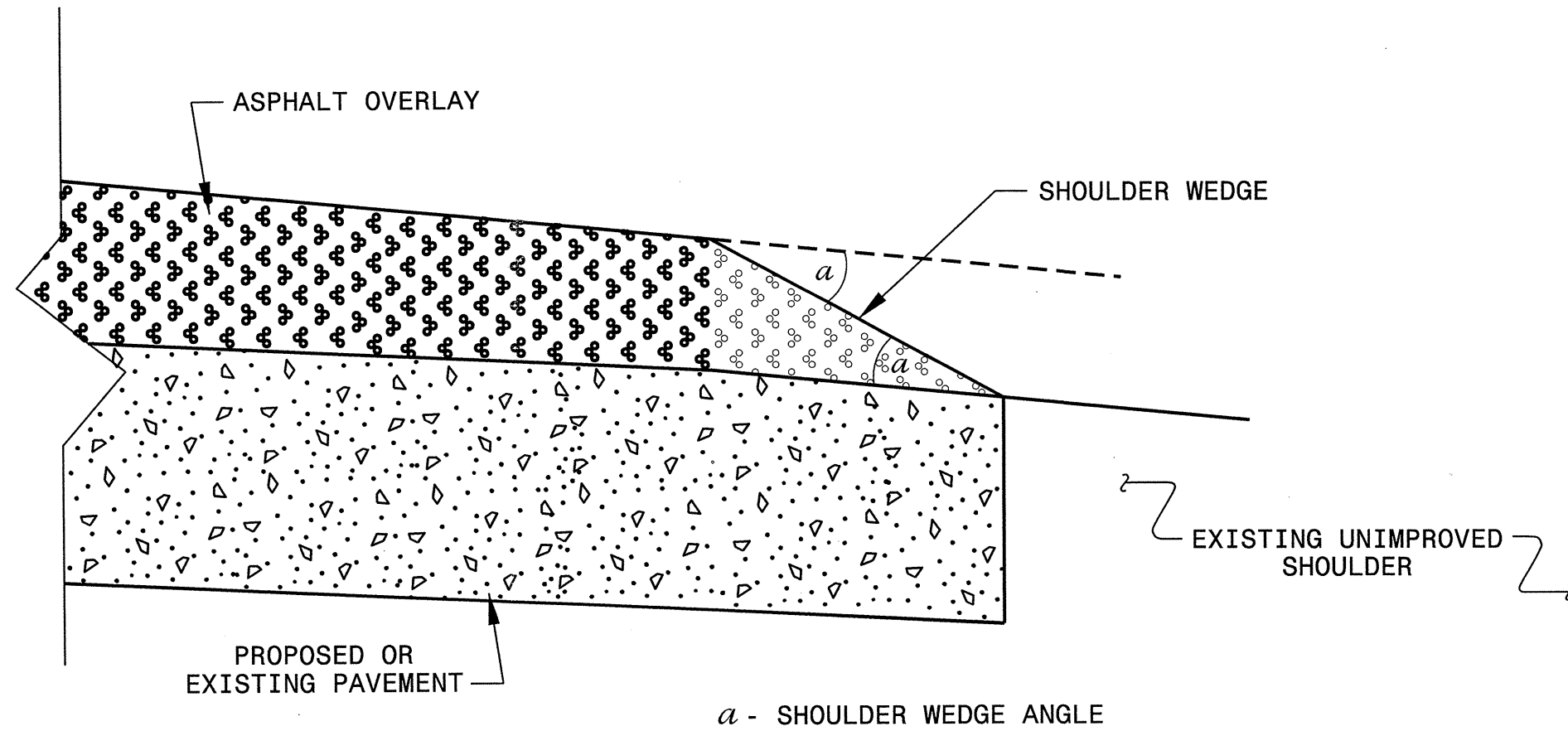
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 99.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 99.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
T1	SHOULDER CONSTRUCTION
T2	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH.
E1	PROP. APPROX. 6.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 827 LBS. PER SQ. YD. IN ONE LAYER

STANLY COUNTY
RESURFACING 2013

SCALE	-NA-
DATE	12/11
DWG. BY	JDA
DESIGN BY	JDA
APPROVED	M/PM



REVISIONS	



SHOULDER WEDGE DETAIL

04-CCT-20111122
 S:\Contracts\Special Details\hoverson\shoulderwedgedetail.dgn
 \$\$\$USERNAME\$\$\$

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950 FAX 919-250-4119	
SHOULDER WEDGE DETAIL	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn	

PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10841.35, 10CR.10841.36, 10CR.20841.41, ETC.	6	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	LENGTH MI	WIDTH FT	BORROW CY	INCIDENTAL STONE BASE TONS	SHOULDER CONSTRUCTION SMI	SHOULDER RECONSTRUCTION SMI	DITCHING LF	1.5" MILLING SY	INCIDENTAL MILLING SY	BASE COURSE, B25.0C TONS	INTERMEDIATE COURSE, I19.0C TONS	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TON	PATCHING EXISTING PAVEMENT TONS	6" DRIVEWAYS SY	ADJ. OF CATCH BASIN EA	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	MATTING (EROSION CONTROL) SY	WATTLE LF	SEED & MULCHING AC		
10CR.10841.35	Stanly	1	NC 8	FROM PAVEMENT JOINT @ SR 1638 (OLD US 52) MP 0.54 TO PAVEMENT JOINT BEFORE NC 49 MP 3.94	1	NO	3.4	24		170	6.80		1,360		220	1,691	7,236			4,556	691	850					300			8.23		
TOTAL FOR MAP NO. 1							3.4			170	6.80		1,360		220	1,691	7,236			4,556	691	850					300			8.23		
TOTAL FOR PROJ NO. 10CR.10841.35							3.4			170	6.80		1,360		220	1,691	7,236			4,556	691	850					300			8.23		
10CR.10841.36	Stanly	2	NC 24/27	FROM NC 740 MP 18.98 TO END CURB & GUTTER SECTION MP 19.83	2,3,4	NO	0.85	37	8			0.20		20,400						1,717	101	250		1	2	3		64	40			
TOTAL FOR MAP NO. 2							0.85		8			0.20		20,400								1,717	101	250		1	2	3		64	40	
TOTAL FOR PROJ NO. 10CR.10841.36							0.85		8			0.20		20,400								1,717	101	250		1	2	3		64	40	
10CR.20841.41	Stanly	3	SR 1937 (HARDY RD)	FROM SR 1935 (PLANK RD) MP 0.00 TP SR 1934 (MOUNT ZION CH. RD) MP 1.70	5	NO	1.7	20	68	85		3.40			110					1,855	250						400	512	320			
TOTAL FOR MAP NO. 3							1.7		68	85		3.40			110								1,855	250					400	512	320	
TOTAL FOR PROJ NO. 10CR.20841.41							1.7		68	85		3.40			110								1,855	250					400	512	320	
10CR.20841.42	Stanly	4	SR 1214 (AUSTIN RD)	FROM SR 1227 (RIDGECREST RD) MP 3.54 TO SR 1249 (CANTON RD) MP 7.38	5	NO	3.84	21	154	192		7.68			270					4,507	400						500	896	560			
TOTAL FOR MAP NO. 4							3.84		154	192		7.68			270								4,507	400					500	896	560	
TOTAL FOR PROJ NO. 10CR.20841.42							3.84		154	192		7.68			270								4,507	400					500	896	560	
10CR.20841.43	Stanly	5	SR 1426 (HARWOOD RD)	FROM NC 73 MP 0.00 TO SR 1435 (POPLIN RD) MP 1.85	5	NO	1.85	20	74	95		3.70			110					2,018	200						50	1,408	880			
TOTAL FOR MAP NO. 5							1.85		74	95		3.70			110								2,018	200					50	1,408	880	
TOTAL FOR PROJ NO. 10CR.20841.43							1.85		74	95		3.70			110								2,018	200					50	1,408	880	
10CR.20841.44	Stanly	6	SR 1435 (HARWOOD RD)	FROM SR 1214 (AUSTIN RD) MP 0 TO SR 1426 (HARWOOD RD) MP 0.72	5	NO	0.72	20	29	36		1.44			120					813	100						30	256	160			
TOTAL FOR MAP NO. 6							0.72		29	36		1.44			120								813	100					30	256	160	
TOTAL FOR PROJ NO. 10CR.20841.44							0.72		29	36		1.44			120								813	100					30	256	160	
GRAND TOTAL							12.36		333	578	6.80	16.42		1,360	20,400	830	1,691	7,236	9,193	950	6,273	1,405	2,250	120	1	2	3	1,280	3,136	1,960	8.23	

PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10841.35, 10CR.10841.36 10CR.20841.41, ETC.	7	

THERMOPLASTIC AND PAINT QUANTITIES

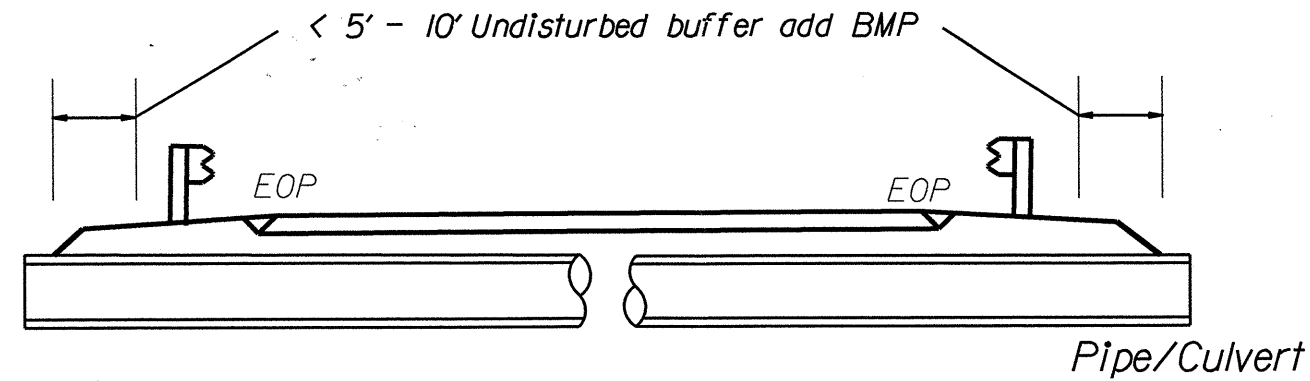
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	LENGTH	WIDTH	4685000000-E	4686000000-E	4695000000-E	4710000000-E	4721000000-E		4725000000-E		4770000000-E	4810000000-E		4850000000-E	4900000000-N		
							4" X 90 M WHITE THERMO LF	4" X 120 M YELLOW THERMO LF	4" X 120 M WHITE THERMO LF	8" X 90 M WHITE THERMO LF	24" X 120 M WHITE THERMO LF	THERMO MSG STOP 120 M EA	THERMO MSG AHEAD 120 M EA	THERMO LT ARROW 90 M EA	THERMO RT ARROW 90 M EA	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE 2 OR 3 (4") LF	4" YELLOW PAINT LF	4" WHITE PAINT LF	4" LINE REMOVAL LF	YELLOW & YELLOW MARKERS EA	CRYSTAL & RED MARKERS EA
10CR.10841.35	Stanly	1	NC 8	FROM PAVEMENT JOINT @ SR 1638 (OLD US 52) MP 0.54 TO PAVEMENT JOINT BEFORE NC 49 MP 3.94	3.4	24	36,584	22,440									76,296			224	
TOTAL FOR MAP NO. 1					3.4		36,584	22,440									76,296			224	
TOTAL FOR PROJ NO. 10CR.10841.35					3.4		36,584	22,440									76,296			224	
							22,440								76,296				224		
10CR.10841.36	Stanly	2	NC 24/27	FROM NC 740 MP 18.98 TO END CURB & GUTTER SECTION MP 19.83	0.85	37	1,000	11,220	400	400	50			28	3		11,220			120	20
TOTAL FOR MAP NO. 2					0.85		1,000	11,220	400	400	50			28	3		11,220			120	20
TOTAL FOR PROJ NO. 10CR.10841.36					0.85		1,000	11,220	400	400	50			28	3		11,220			120	20
							11,620						31		11,220				140		
10CR.20841.41	Stanly	3	SR 1937 (HARDY RD)	FROM SR 1935 (PLANK RD) MP 0.00 TP SR 1934 (MOUNT ZION CH. RD) MP 1.70	1.7	20											22,440	36,584		112	
TOTAL FOR MAP NO. 3					1.7												22,440	36,584		112	
TOTAL FOR PROJ NO. 10CR.20841.41					1.7												22,440	36,584		112	
															59,024				112		
10CR.20841.42	Stanly	4	SR 1214 (AUSTIN RD)	FROM SR 1227 (RIDGECREST RD) MP 3.54 TO SR 1249 (CANTON RD) MP 7.38	3.84	21	41,318	25,344			30	8	5			600	50,688		600	253	
TOTAL FOR MAP NO. 4					3.84		41,318	25,344			30	8	5			600	50,688		600	253	
TOTAL FOR PROJ NO. 10CR.20841.42					3.84		41,318	25,344			30	8	5			600	50,688		600	253	
							25,344				13				50,688				253		
10CR.20841.43	Stanly	5	SR 1426 (HARWOOD RD)	FROM NC 73 MP 0.00 TO SR 1435 (POPLIN RD) MP 1.85	1.85	20											24,420	39,812		123	
TOTAL FOR MAP NO. 5					1.85												24,420	39,812		123	
TOTAL FOR PROJ NO. 10CR.20841.43					1.85												24,420	39,812		123	
															64,232				123		
10CR.20841.44	Stanly	6	SR 1435 (HARWOOD RD)	FROM SR 1214 (AUSTIN RD) MP 0 TO SR 1426 (HARWOOD RD) MP 0.72	0.72	20											9,504	15,494		48	
TOTAL FOR MAP NO. 6					0.72												9,504	15,494		48	
TOTAL FOR PROJ NO. 10CR.20841.44					0.72												9,504	15,494		48	
															24,998				48		
GRAND TOTAL					12.36		78,902	59,004	400	400	80	8	5	28	3	600	194,568	91,890	600	880	20
							59,404				13		31		286,458				900		

PROJECT REFERENCE NO. KCR1084135	SHEET NO. EC-1
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

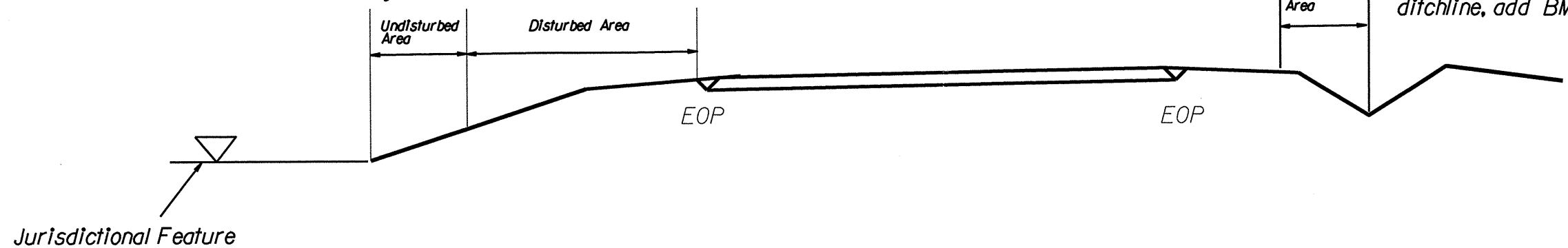
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL



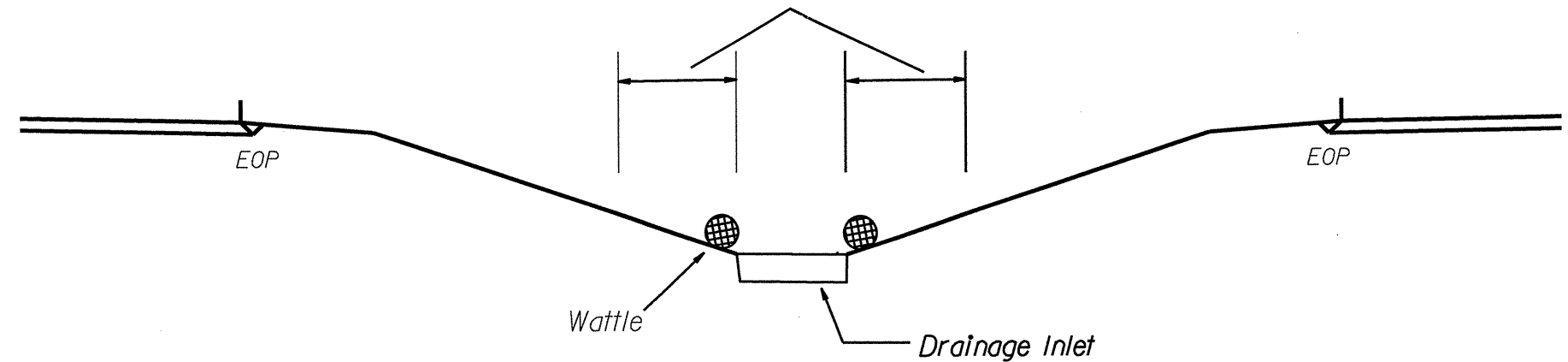
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



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



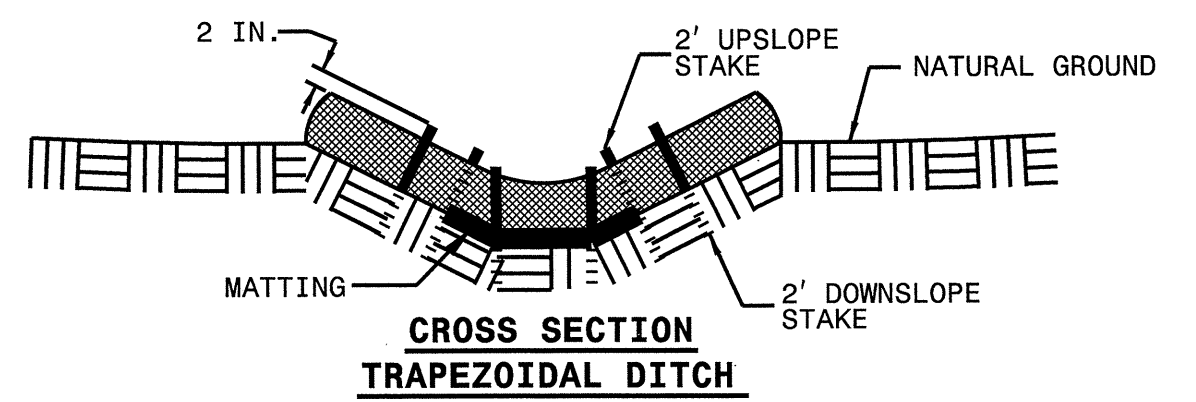
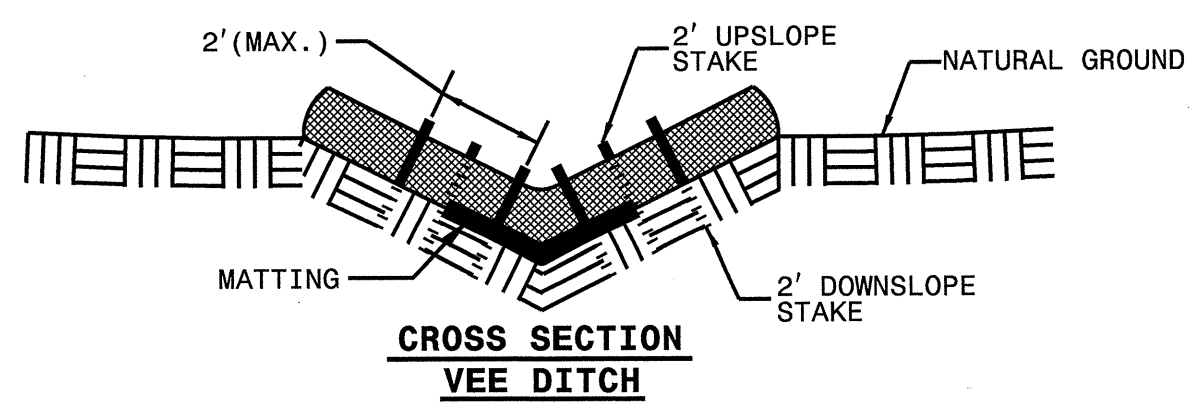
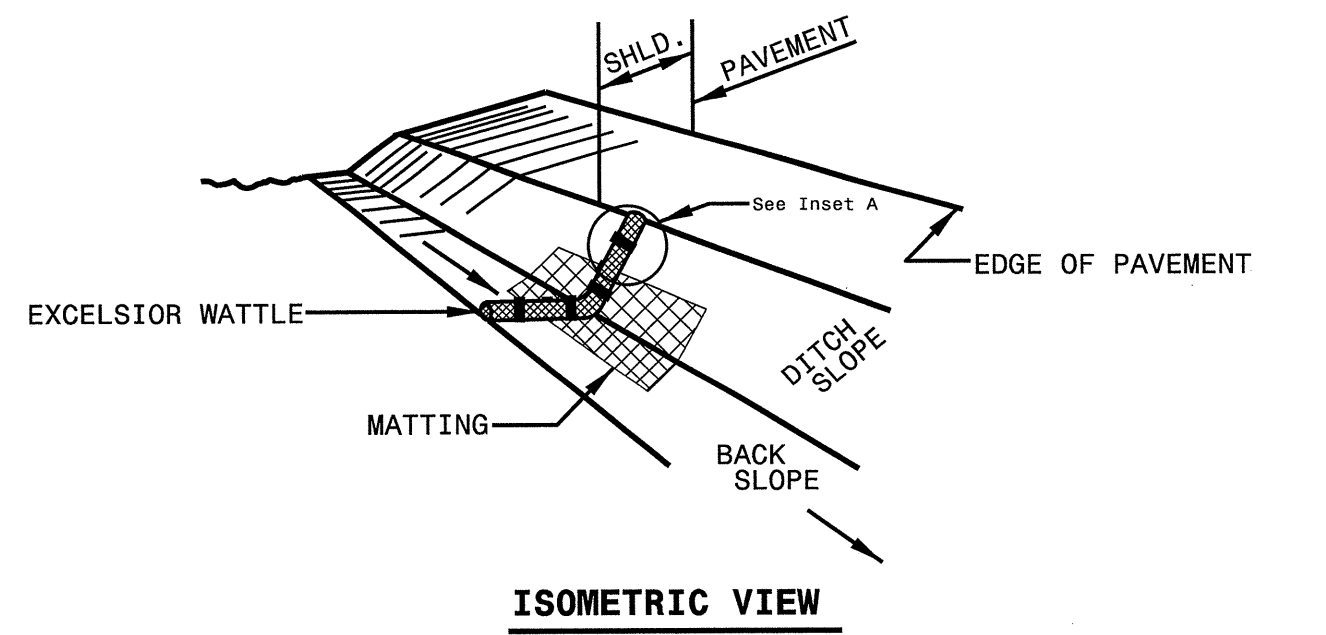
< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

PROJECT REFERENCE NO. ICR1084135	SHEET NO. EC-2
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.

