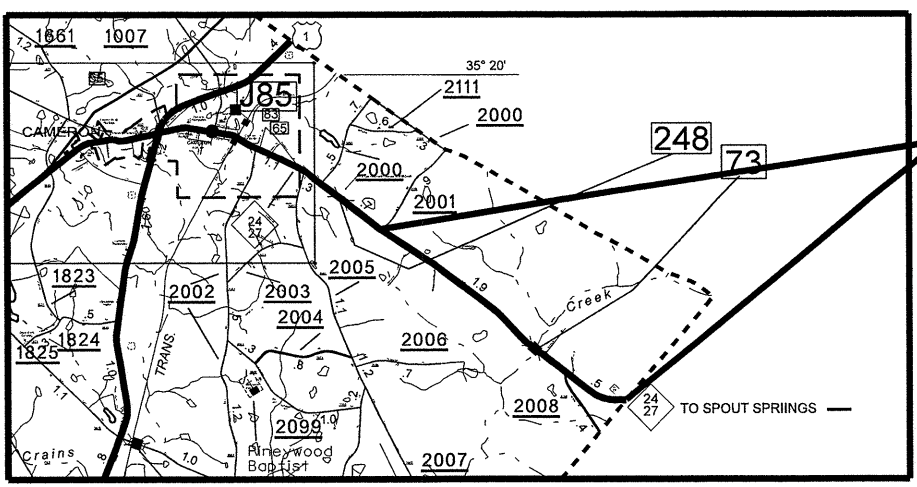


MOORE COUNTY

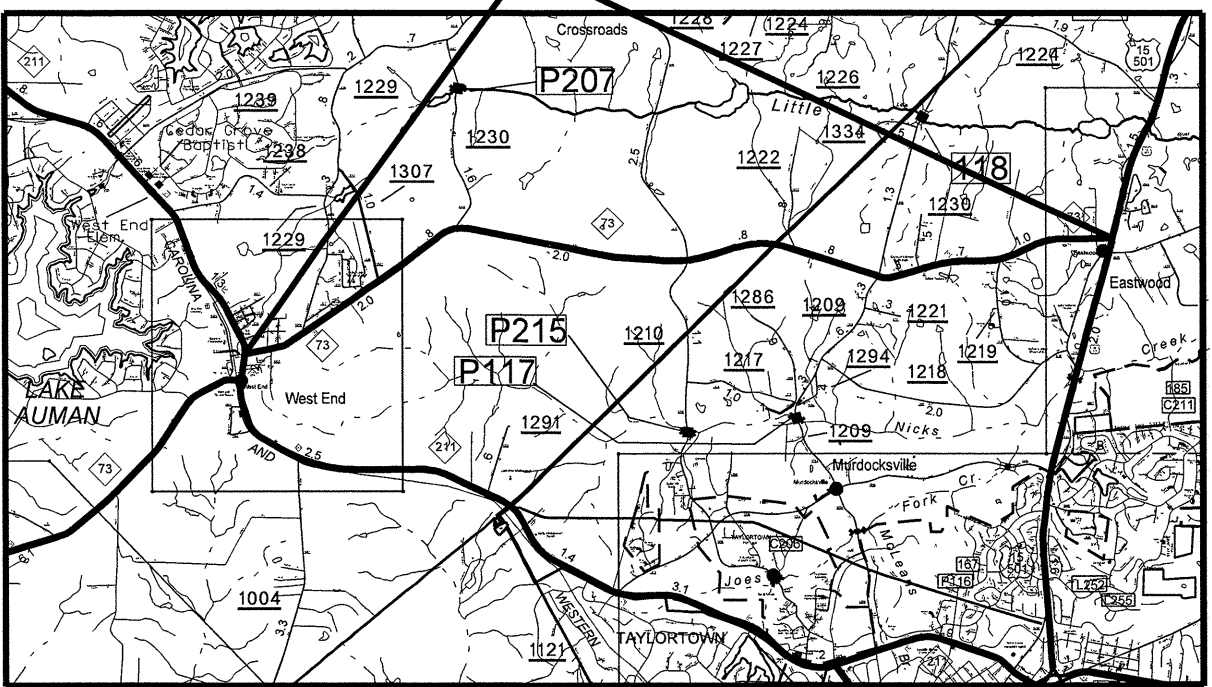
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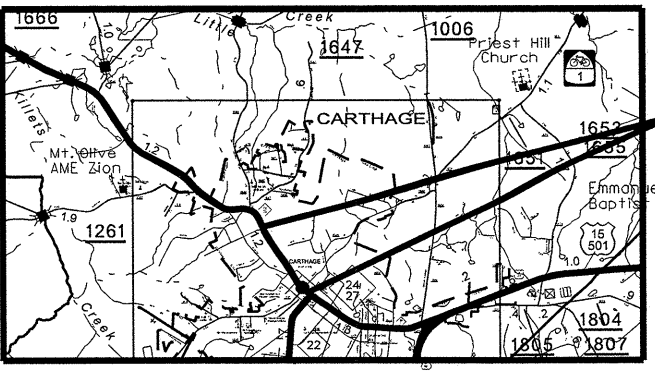
MOORE COUNTY



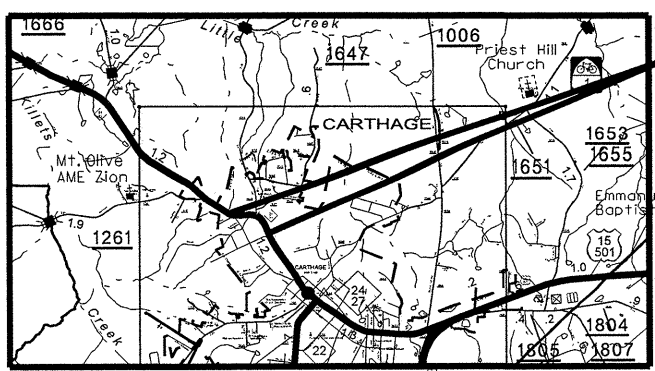
NC 24/27



NC 73



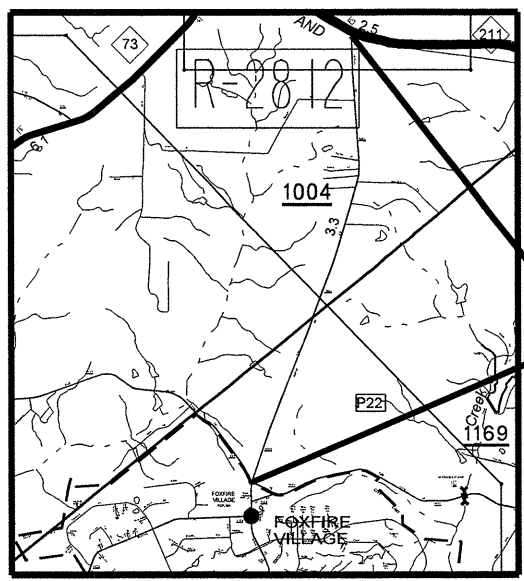
NC 24/27/22



NC 24/27/22

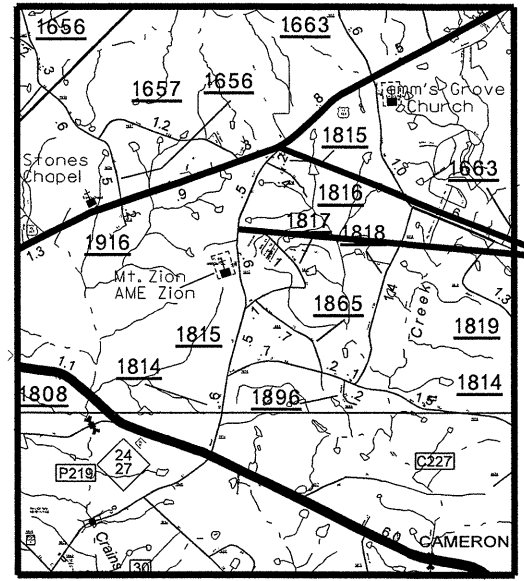
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 8CR.10631.23, 8CR20631.23

MOORE COUNTY



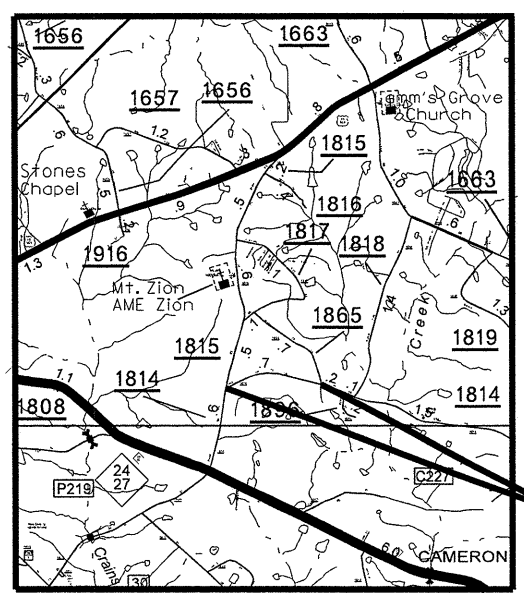
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SR 1004 (HOFFMAN ROAD)



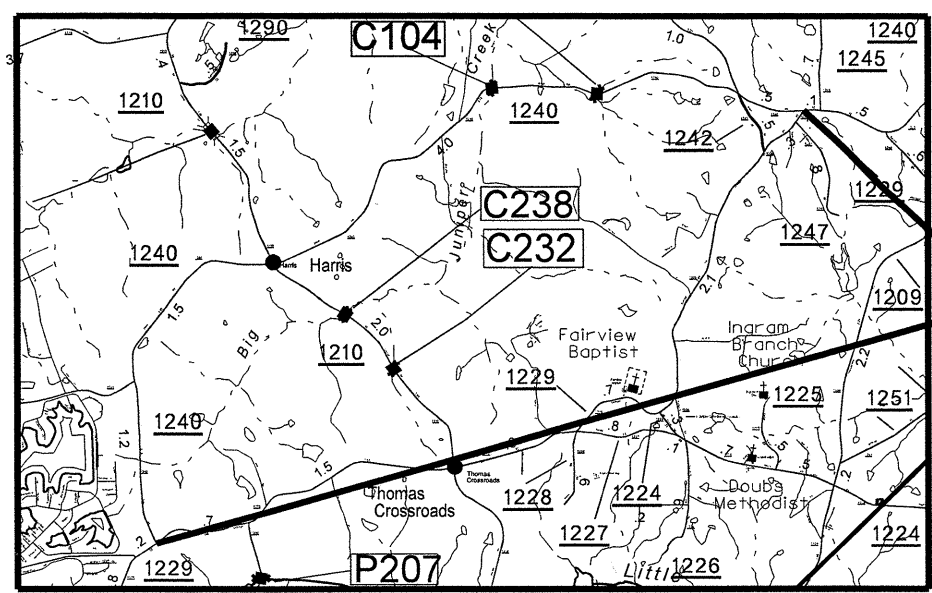
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SR 1815 (BRYANT ROAD)



7

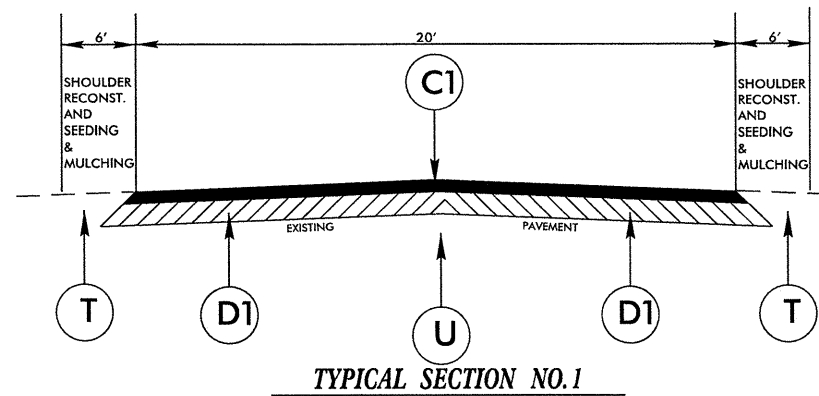
SR 1814 (RED HILL ROAD)



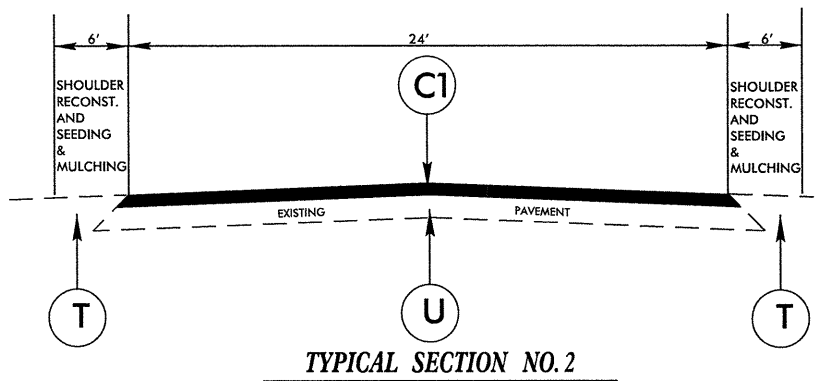
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SR 1240 (DOWD STREET)

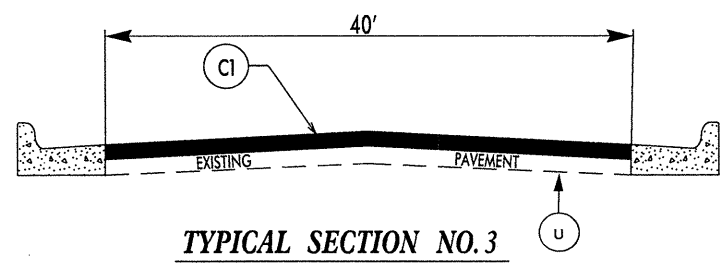
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TYPICAL SECTION NO. 1

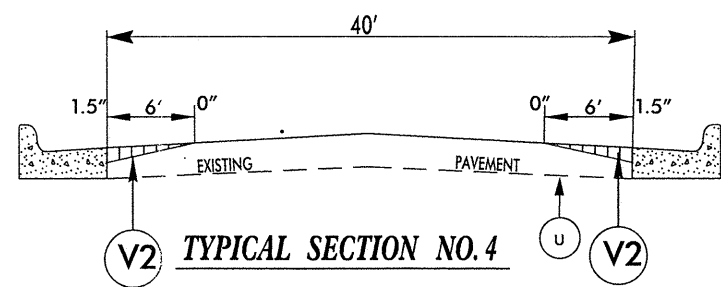


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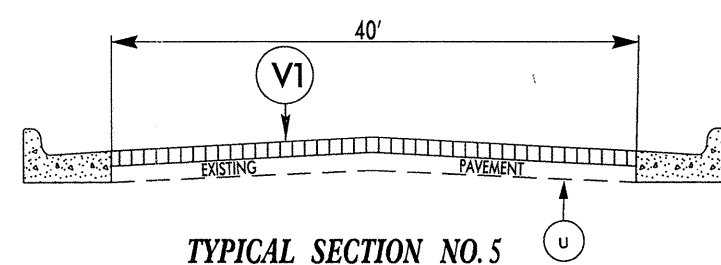


TYPICAL SECTION NO. 3

NOTE: CONTRACTOR SHALL PLACE SPLIT SEAL ON PAVEMENT PRIOR TO RESURFACING

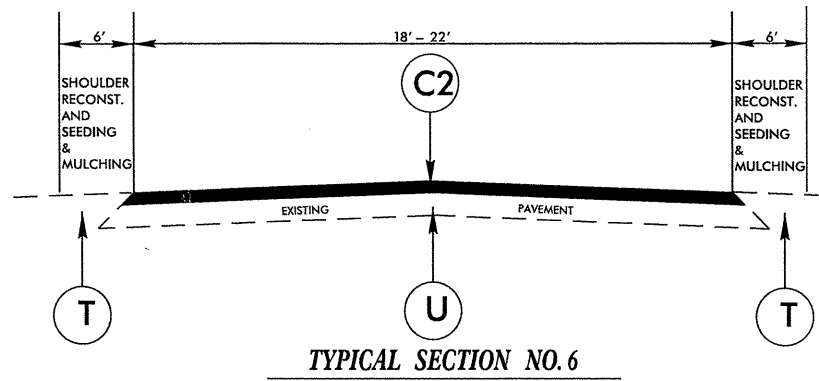


TYPICAL SECTION NO. 4

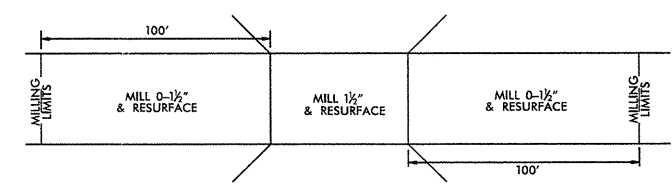


TYPICAL SECTION NO. 5

MILLING AROUND COURT HOUSE SHALL BE 1.5" FOR FULL WIDTH OF TRAVELWAY AS DETERMINED BY THE ENGINEER



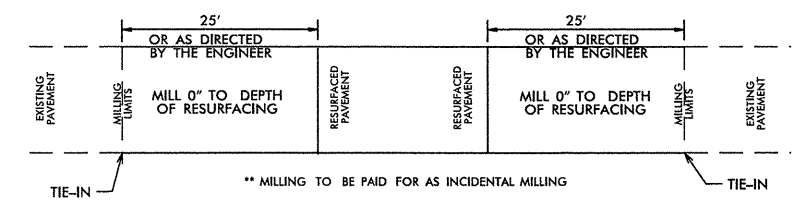
TYPICAL SECTION NO. 6



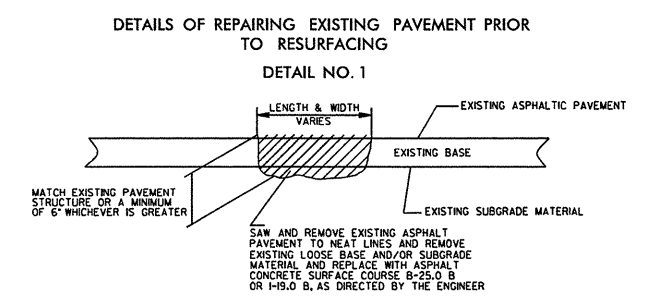
BRIDGE and APPROACH MILLING ** MILLING TO BE PAID FOR AS INCIDENTAL MILLING

MAP 1 - NC 24/27

MAP 8 - SR 1240



PAVEMENT TIE-IN DETAIL



PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
T	EARTH MATERIAL
U	EXISTING PAVEMENT
V1	1.5" MILLING
V2	0" TO 1.5" MILLING

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PROJECT NO.	SHEET NO.	TOTAL NO.
8CR.10631.23, 8CR.20631.23	6	

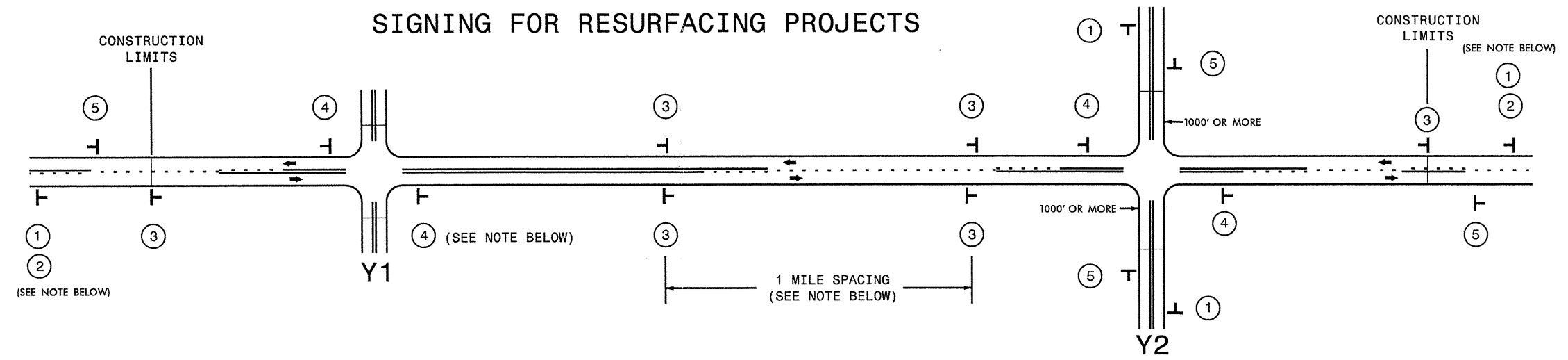
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW EXCAVATION CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1.5" MILLING SY	0" TO 1.5" MILLING SY	INCIDENTAL MILLING SY	INTERMEDIATE COURSE, I19.0B TONS	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TON	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ADJ. OF MAN-HOLES EA	ADJ. OF METER OR VALVE BOXES EA	TEMPORARY SILT FENCE LF	WATTLE LF	SEED & MULCHING AC	
8CR.10631.23	Moore	1	NC 24/27	FROM END OF WIDENING AT SR 2001 TO HARNETT CO LINE	1	NO	NO	2.369	20	350	80	4.75			665	4,450	2,496		363	20			870	870	3.45	
8CR.10631.23	Moore	2	NC 73	FROM NC 211 TO US 15/501	2	NO	NO	7.4	24	1,100	560	14.80			600		10,702		642	60			1,075	2,690	10.75	
8CR.10631.23	Moore	3	NC 24/27/22	FROM CONST JT EAST OF COURTHOUSE TO END OF CURB AND GUTTER	3,4,5	NO	NO	0.62	40				2,900	4,000			1,350		81	50	18	6				
8CR.10631.23	Moore	4	NC 24/27/22	FROM END OF CURB AND GUTTER TO CONST JT.	2	NO	NO	0.4	24		65	0.80			100		630		38	70	2		60	150	0.60	
TOTAL FOR PROJ NO. 8CR.10631.23								10.789		1,450	705	20.35	2,900	4,000	1,365	4,450	15,178		1,124	200	20	6	2,005	3,710	14.80	
8CR.20631.23	Moore	5	SR 1004(HOFFMAN ROAD)	FROM NC 211 TO SR 1122(JACKSON SPRINGS ROAD)	6	NO	NO	3.3	22	485	170	6.60			210			3,735	250	400			330	50	4.80	
8CR.20631.23	Moore	6	SR 1815(BRYANT ROAD)	FROM US 15/501 TO SR 1817(T JOHNSON ROAD)	6	NO	NO	1.24	20	180	80	2.48			115			1,340	90	300			125	20	1.80	
8CR.20631.23	Moore	7	SR 1814(RED HILL ROAD)	FROM SR 1815(BRYANT ROAD) TO SR 1865(MONROE ROAD)	6	NO	NO	0.7	18	100	100	1.40			40			680	46	120			70	20	1.00	
8CR.20631.23	Moore	8	SR 1240(DOWD STREET)	FROM SR 1229(CARTHAGE ROAD) TO SR 1229(CARTHAGE ROAD)	6	NO	NO	7.15	20	1,100	360	14.30			845			7,967	534	700			715	110	10.40	
TOTAL FOR PROJ NO. 8CR.20631.23								12.39		1,865	710	24.78			1,210			13,722		920	1,520			1,240	200	18.00
GRAND TOTAL								23.179		3,315	1,415	45.13	2,900	4,000	2,575	4,450	15,178		13,722	2,044	1,720	20	6	3,245	3,910	32.80

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF	4457000000-N TEMPORARY TRAFFIC CONTROL LS	4685000000 4" X 90 M WHITE THERMO LF	4686000000 4" X 120 M YELLOW THERMO LF	4697000000 8" X 120 M WHITE THERMO LF	4810000000-E 4" WHITE PAINT LF	4810000000-E 4" YELLOW PAINT LF	4900000000-N YELLOW & YELLOW MARKERS EA	5255000000-N PORTABLE LIGHTING LS	
8CR.10631.23	Moore	1	NC 24/27	FROM END OF WIDENING AT SR 2001 TO HARNETT CO LINE	1	2	2WU	2.369	20			25,020	16,220				160	*	
8CR.10631.23	Moore	2	NC 73	FROM NC 211 TO US 15/501	2	2	2WU	7.4	24			78,200	47,300				490		
8CR.10631.23	Moore	3	NC 24/27/22	FROM CONST JT EAST OF COURTHOUSE TO END OF CURB AND GUTTER	3,4,5	2	2WU	0.62	40	*	*	6,000	6,640	320			42	*	
8CR.10631.23	Moore	4	NC 24/27/22	FROM END OF CURB AND GETTER TO CONST JT.	2	2	2WU	0.4	24			5,600	5,600				28	*	
TOTAL FOR PROJ NO. 8CR.10631.23								10.789		1,299	1	114,820	75,760	320			720	1	
8CR.20631.23	Moore	5	SR 1004(HOFFMAN ROAD)	FROM NC 211 TO SR 1122(JACKSON SPRINGS ROAD)	6	2	2WU	3.3	22						69,700	50,000			
8CR.20631.23	Moore	6	SR 1815(BRYANT ROAD)	FROM US 15/501 TO SR 1817(T JOHNSON ROAD)	6	2	2WU	1.24	20	*	*				26,200	23,300			
8CR.20631.23	Moore	7	SR 1814(RED HILL ROAD)	FROM SR 1815(BRYANT ROAD) TO SR 1865(MONROE ROAD)	6	2	2WU	0.7	18						14,400	12,300			
8CR.20631.23	Moore	8	SR 1240(DOWD STREET)	FROM SR 1229(CARTHAGE ROAD) TO SR 1229(CARTHAGE ROAD)	6	2	2WU	7.15	20						152,300	124,100			
TOTAL FOR PROJ NO. 8CR.20631.23								12.39		1,298	1	114,820	75,760	320		262,600	209,700	720	1
GRAND TOTAL								23.179		2,597	1	114,820	75,760	320		262,600	209,700	720	1

SIGNING FOR RESURFACING PROJECTS



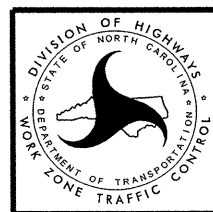
LEGEND	
⊥	STATIONARY SIGN
→	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<p>① 48" X 48"</p> <p>② 24" X 18"</p> <p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <p> 48" X 48"</p> <p> 48" X 48"</p> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	<p>③ 48" X 48"</p> <p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>	
	<p>④ 48" X 48"</p> <p>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p>	
	<p>⑤ 48" X 24"</p> <p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

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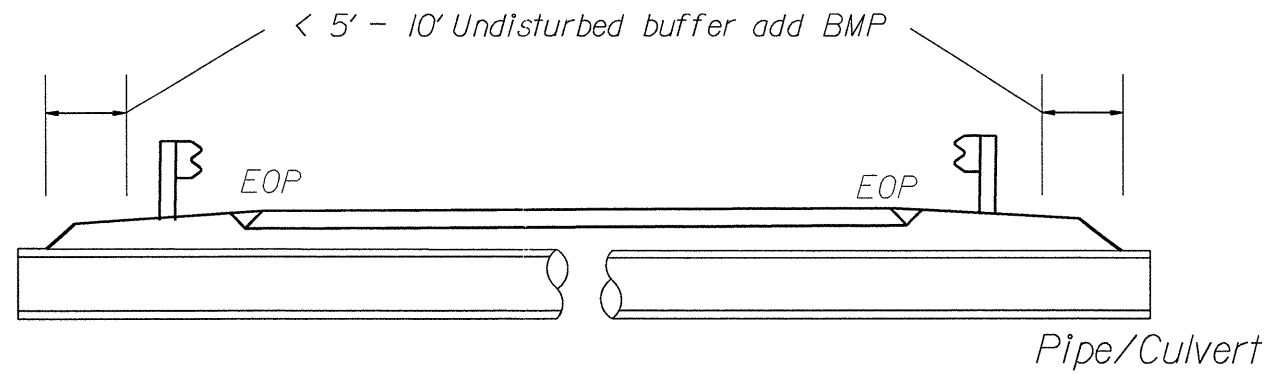


RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS

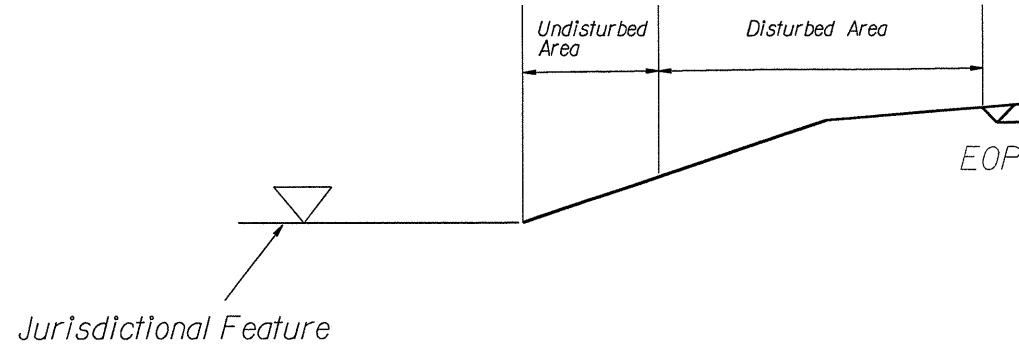
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

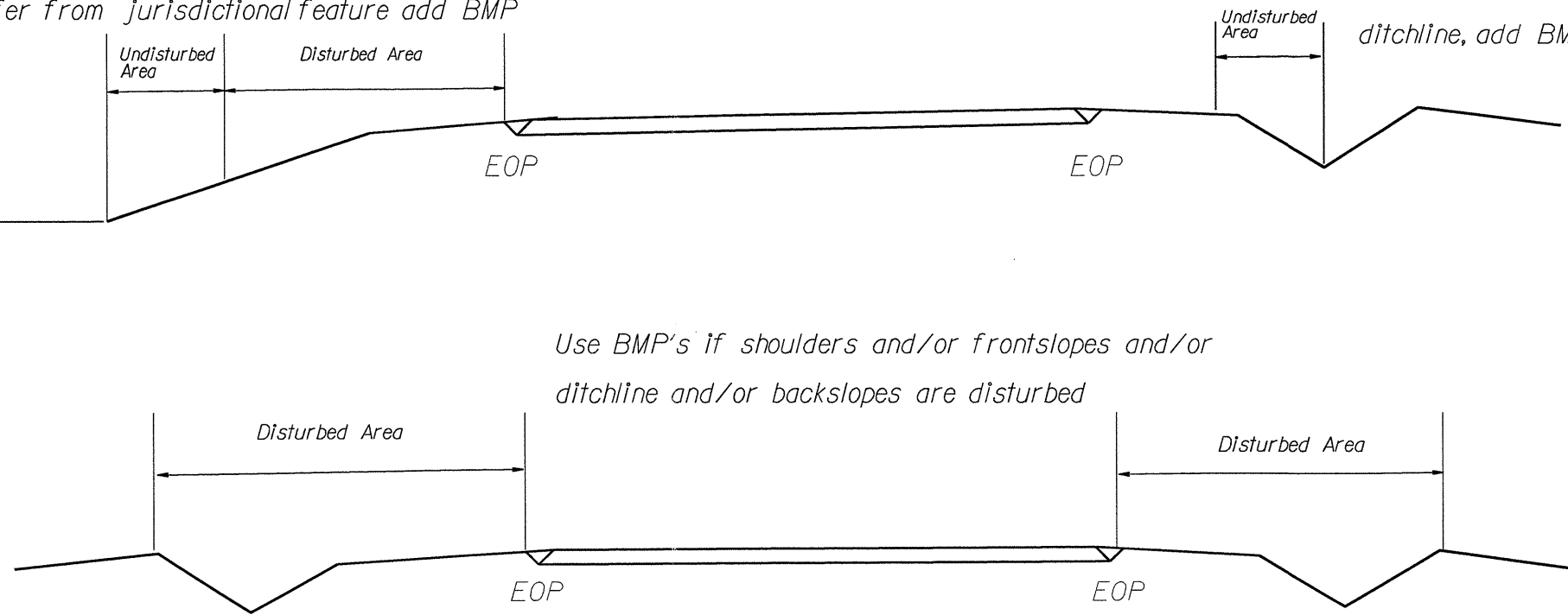


< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP

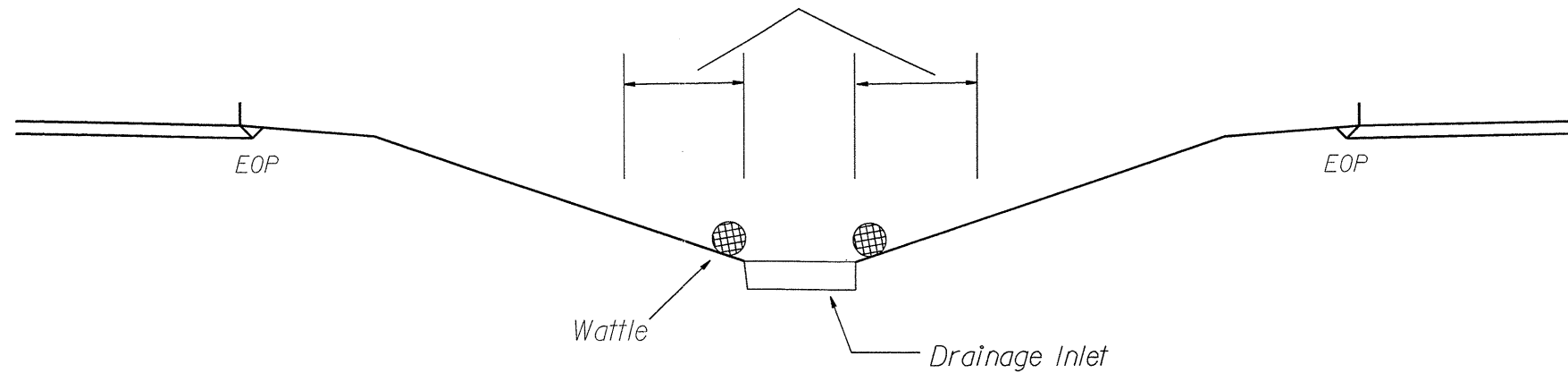


< 5' - 10' Undisturbed buffer from ditchline, add BMP

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

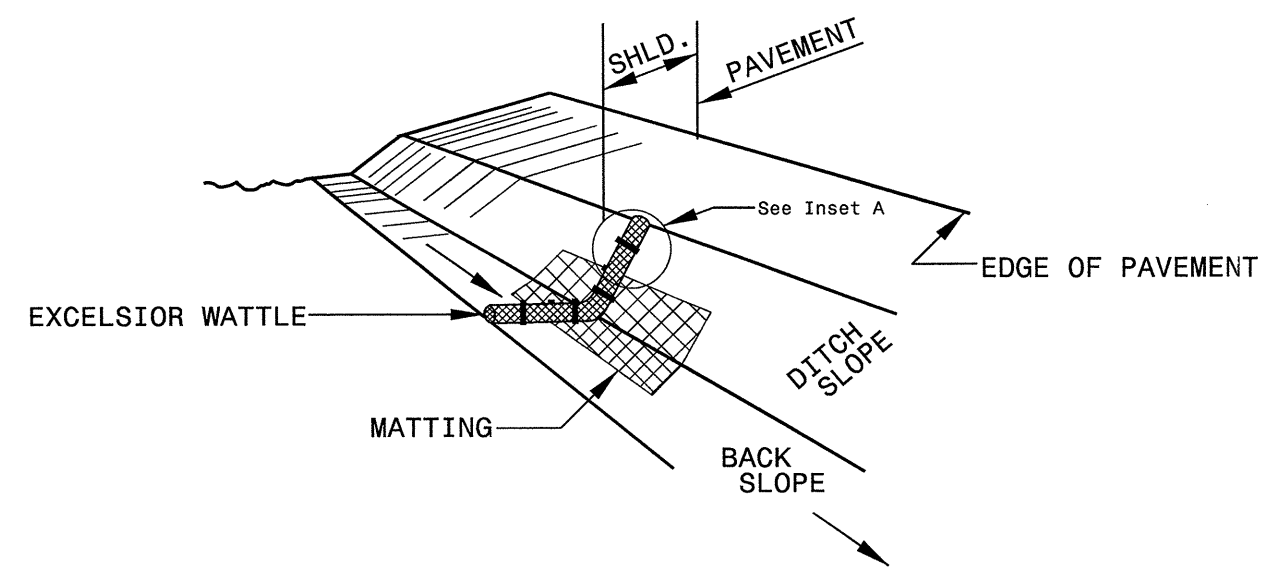


< 5' - 10' Undisturbed buffer from inlet, add wattle

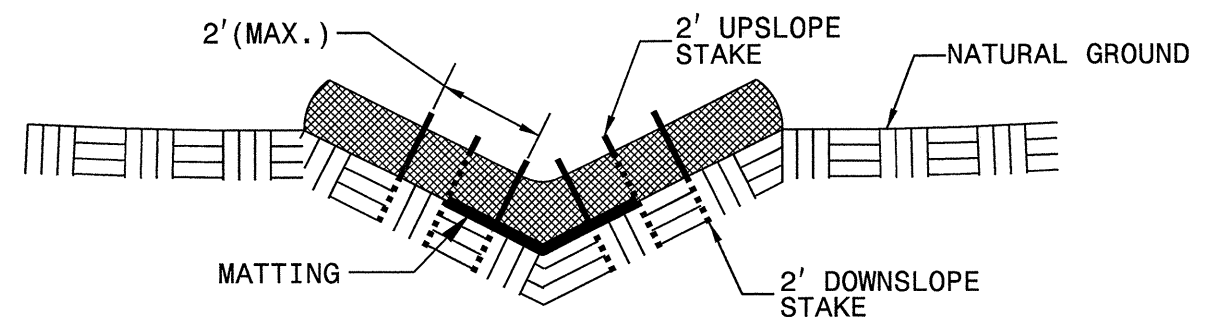


NOT TO SCALE

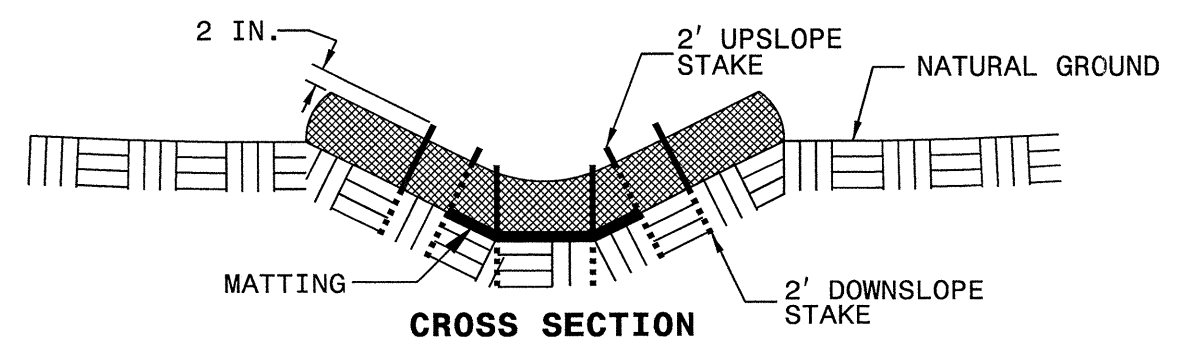
WATTLE DETAIL



ISOMETRIC VIEW

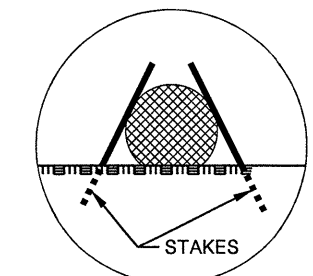


**CROSS SECTION
VEE DITCH**

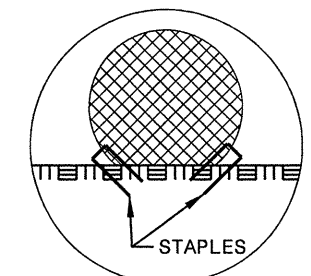


**CROSS SECTION
TRAPEZOIDAL DITCH**

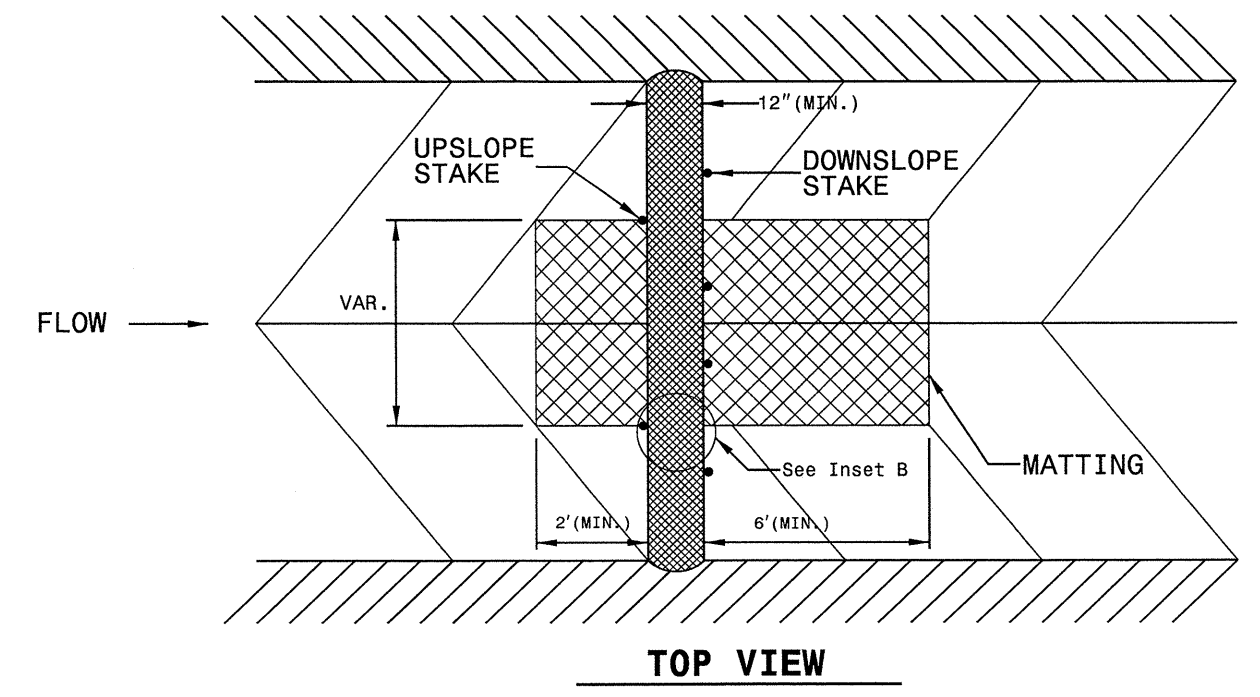
- NOTES:
- USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.
 - USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
 - ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
 - INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE 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.



INSET A



INSET B



TOP VIEW