

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10131.37 -10CR.20131.115	1	
F.A. PROJECT NO.			

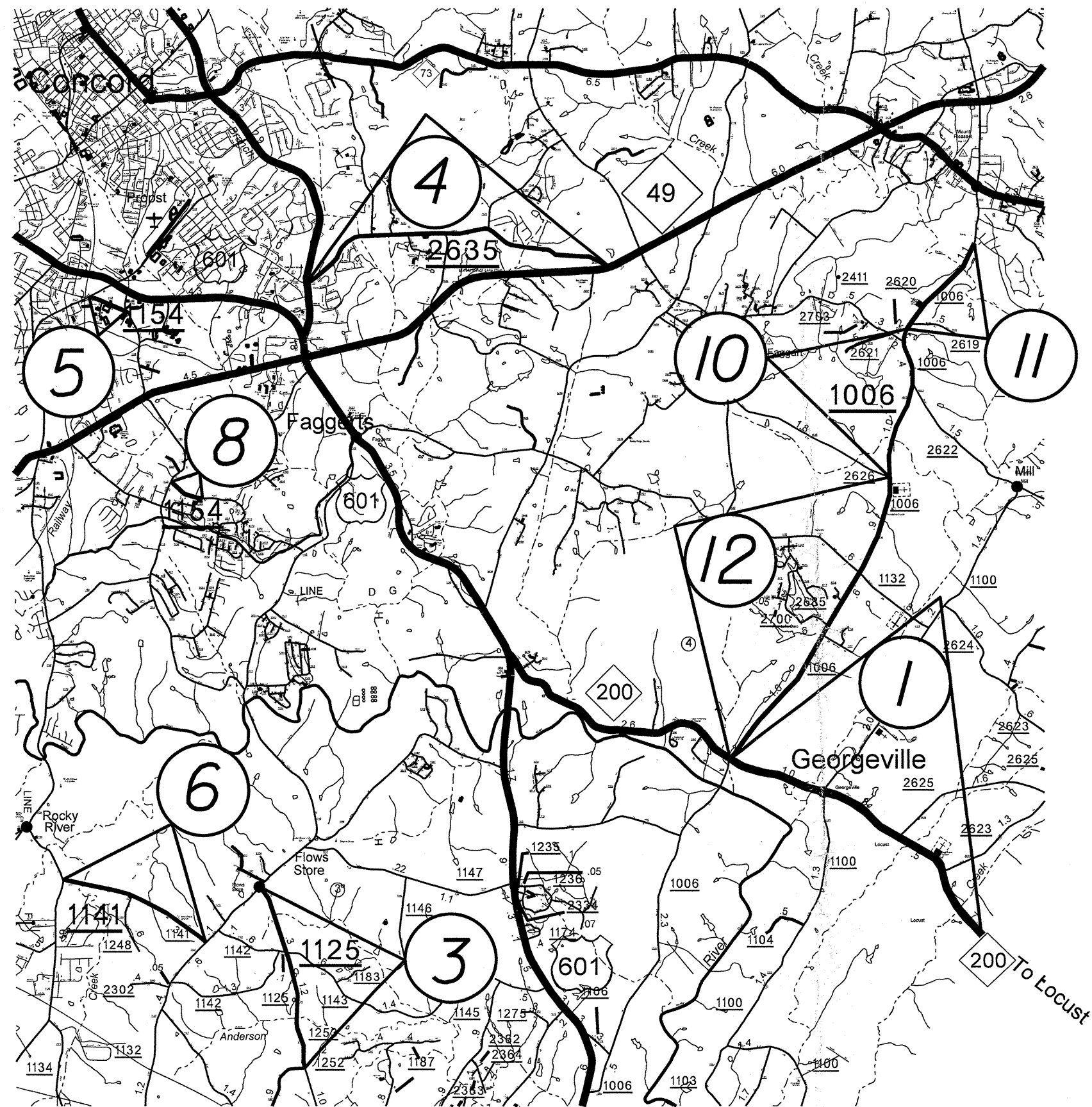


ENLARGED MUNICIPAL AND SUBURBAN AREAS

CABARRUS COUNTY

NORTH CAROLINA

PREPARED BY THE
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT ONE



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10131.37 -IOCR.20131.15	2	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS

CABARRUS COUNTY

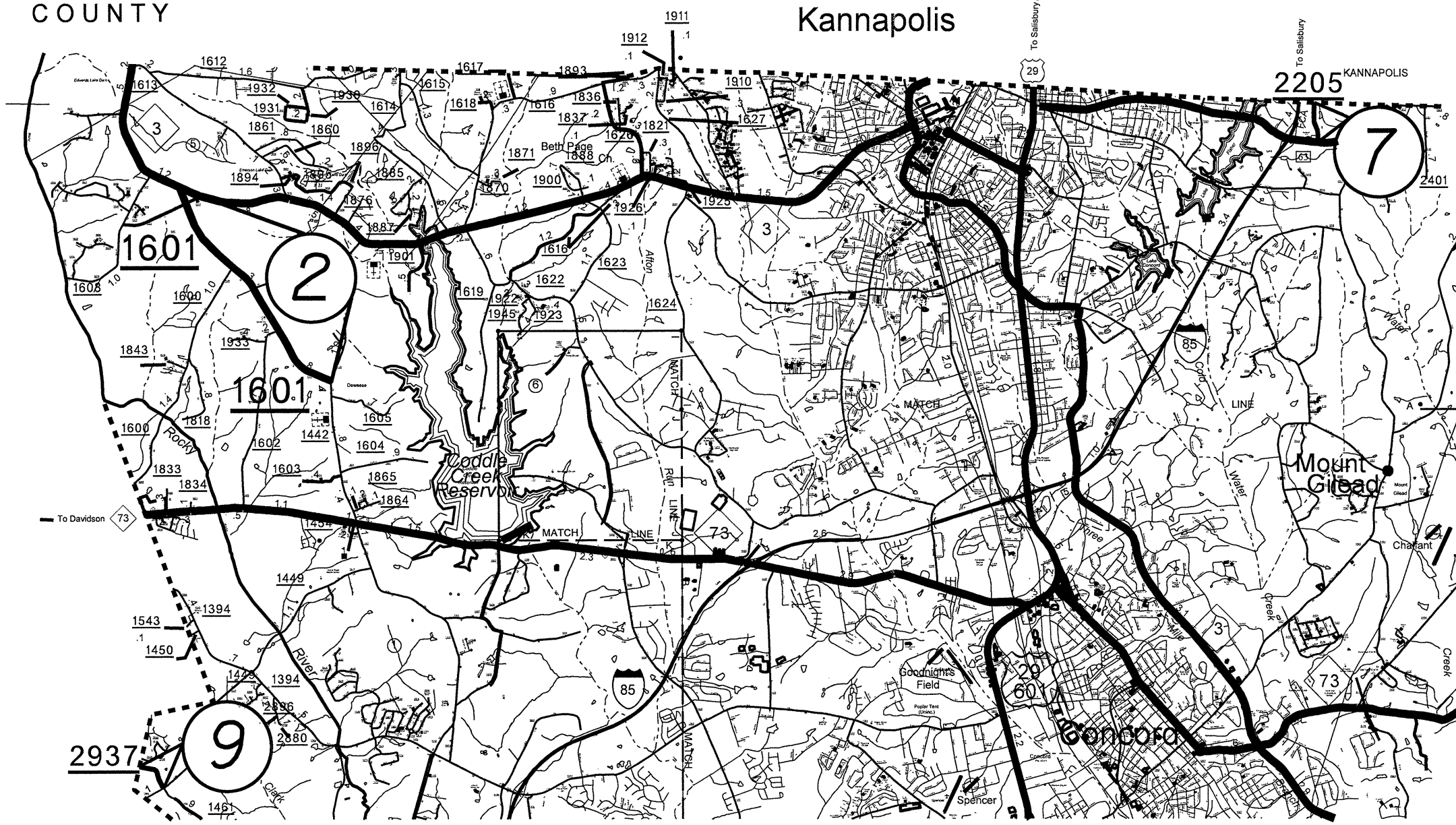
NORTH CAROLINA

PREPARED BY THE
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT ONE

IREDELL COUNTY

Kannapolis

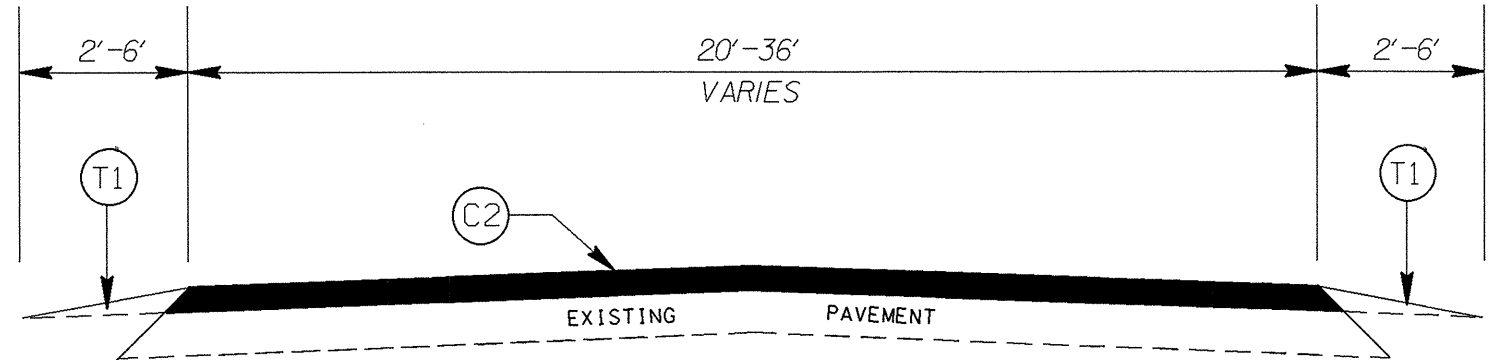
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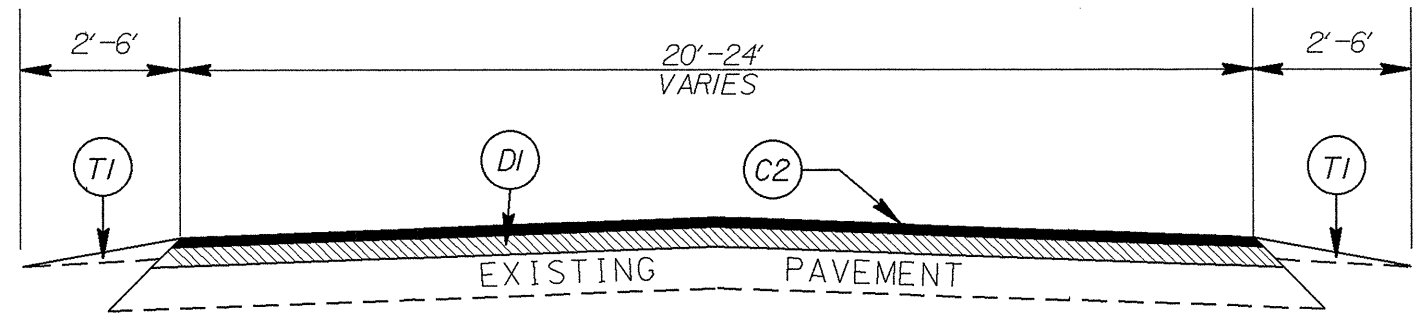
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9

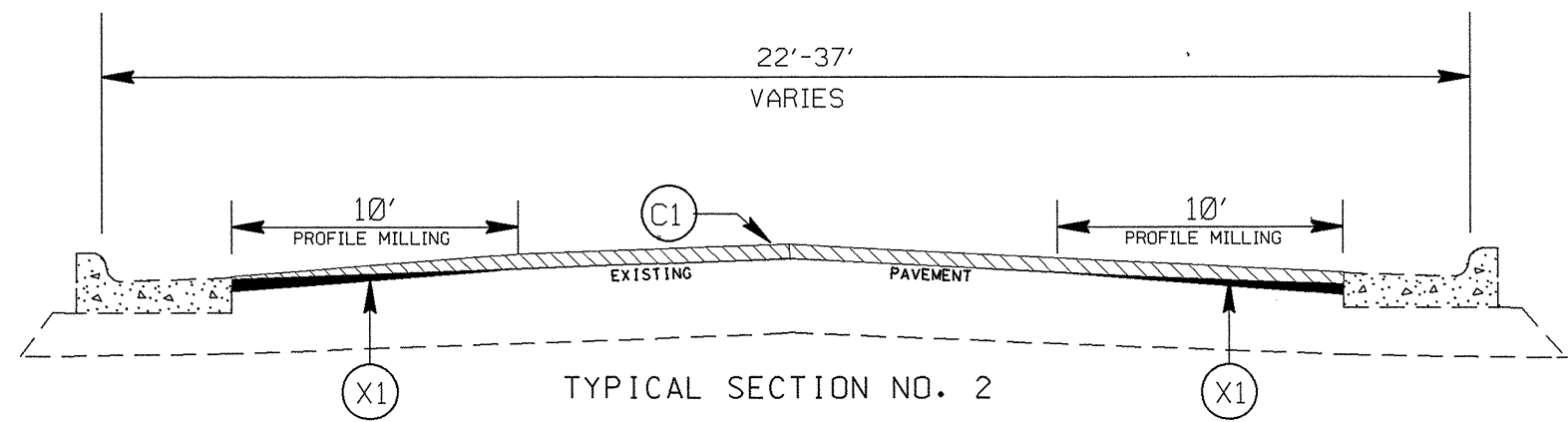
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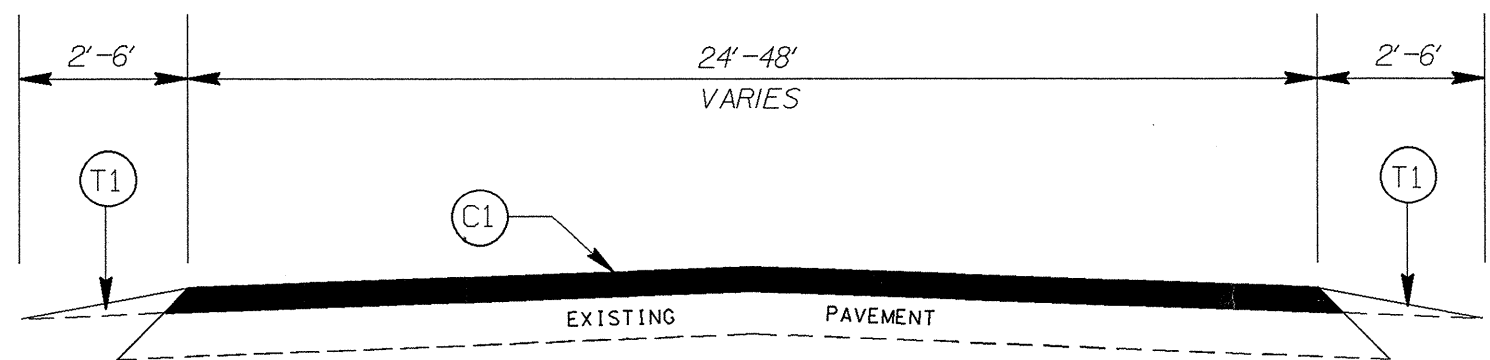
TYPICAL SECTION NO. 4



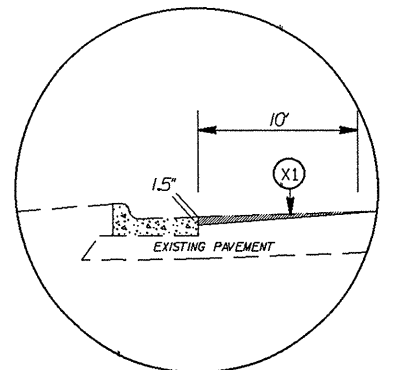
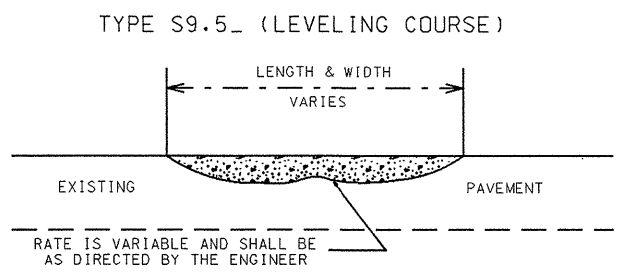
TYPICAL SECTION NO. 3



TYPICAL SECTION NO. 2

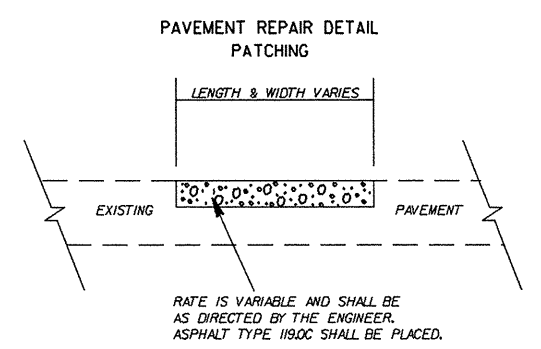


TYPICAL SECTION NO. 1



DETAIL FOR PROFILE MILLING (0" TO 1.5")

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10131.37 -10CR.20131.115	3	
F.A. PROJECT NO.			

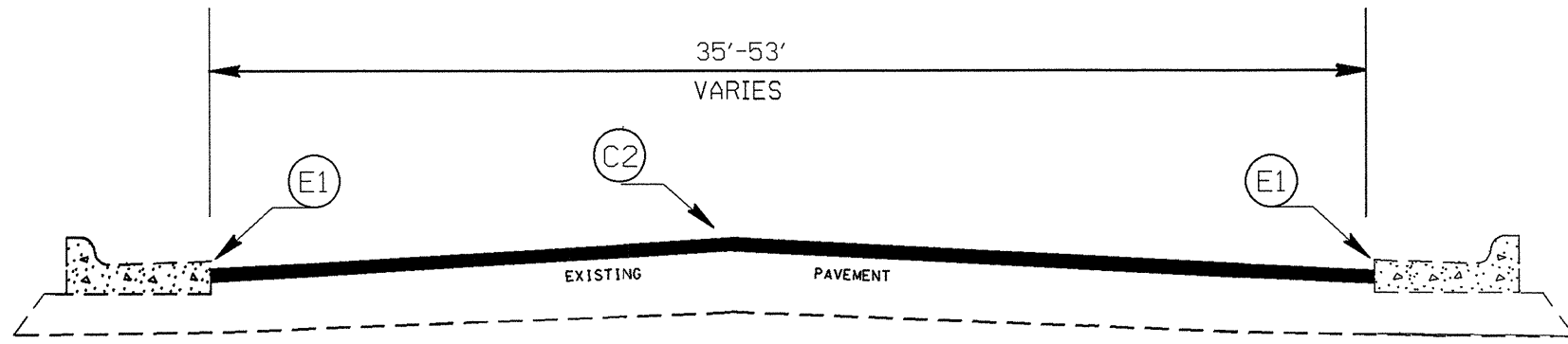


PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	TIE IN TO EXISTING CURB, NO MILLING REQUIRED
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH.
V2	MILLING BITUMINOUS PAVEMENT 2.5" DEPTH.
W	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2.5" IN DEPTH OR GREATER THAN 4" IN DEPTH.
X1	PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 1.5" DEPTH.
X2	PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 2.5" DEPTH.

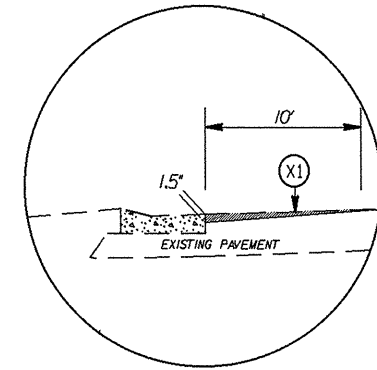
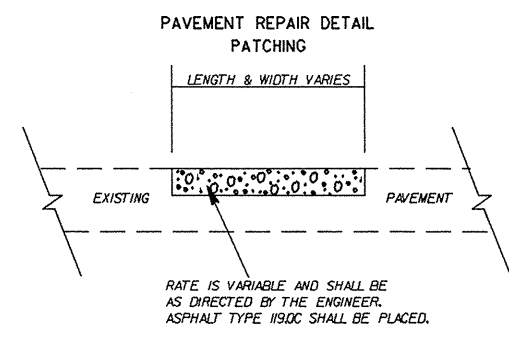
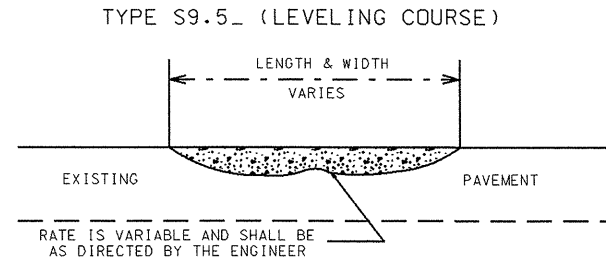
CABARRUS COUNTY
RESURFACING 2014-2015

SCALE	-NA-		REVISIONS
DATE	2/14		
DWG. BY	JDA		
DESIGN BY	JDA		
APPROVED	MPM		

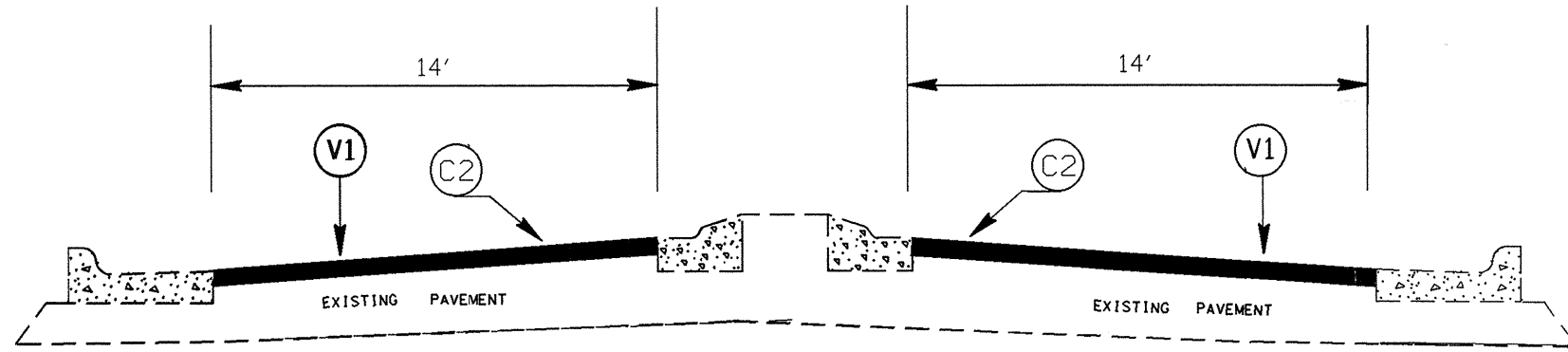
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10131.37 -10CR.20131.115	4	
F.A. PROJECT NO.			



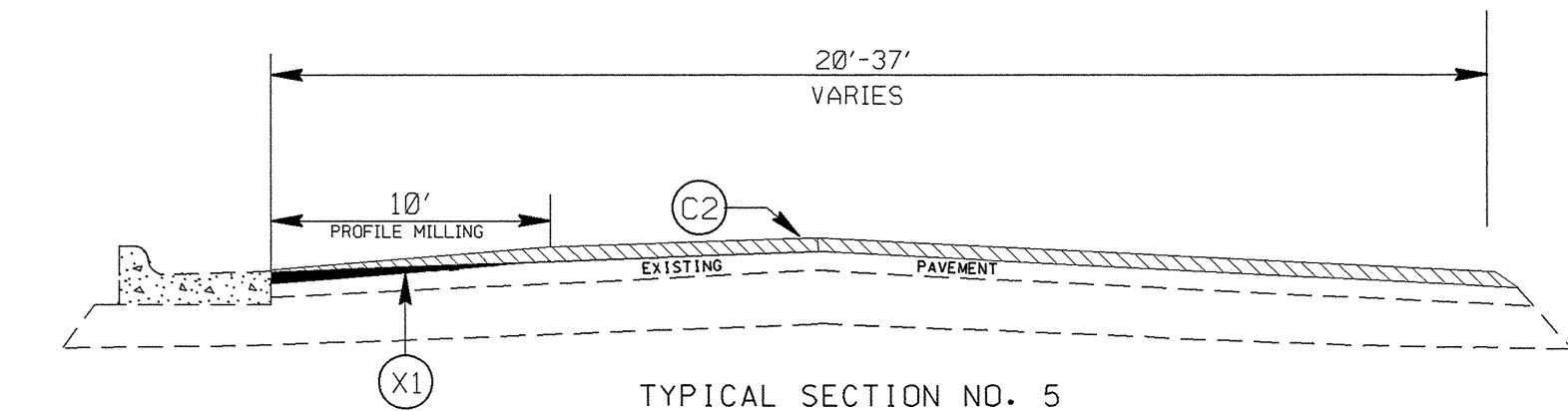
TYPICAL SECTION NO. 7



DETAIL FOR PROFILE MILLING (0" TO 1.5")




TYPICAL SECTION NO. 6



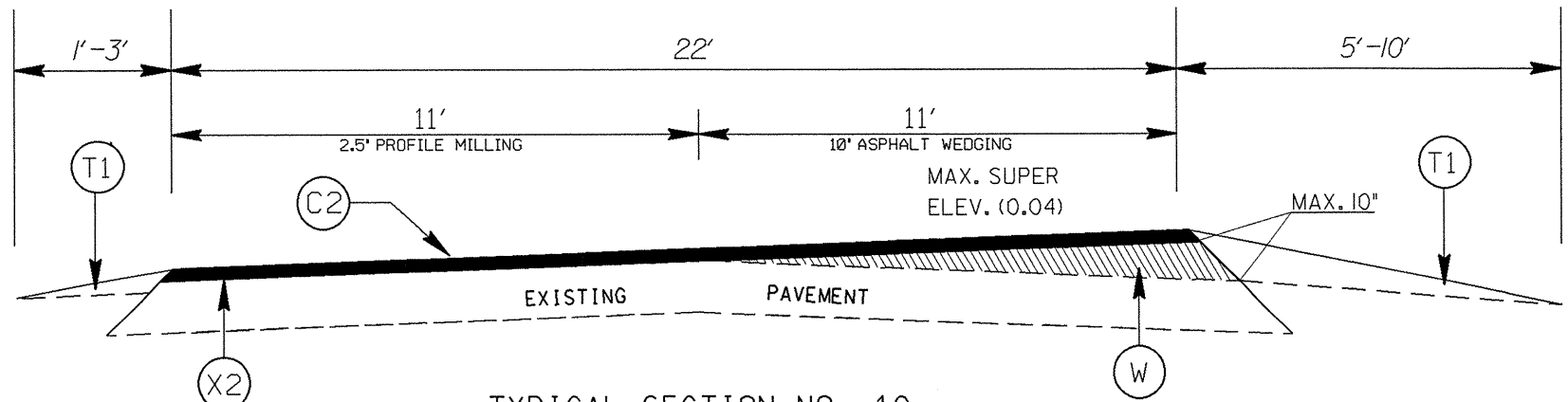
TYPICAL SECTION NO. 5

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. 1.8" 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 I19.0B, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	TIE IN TO EXISTING CURB, NO MILLING REQUIRED
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH.
V2	MILLING BITUMINOUS PAVEMENT 2.5" DEPTH.
W	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2.8" IN DEPTH OR GREATER THAN 4" IN DEPTH.
X1	PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 1.5" DEPTH.
X2	PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 2.5" DEPTH.

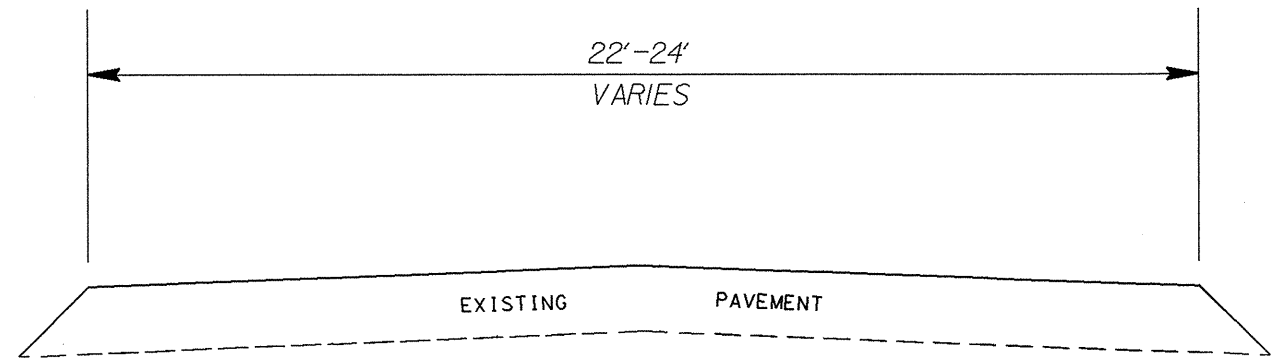
CABARRUS COUNTY
RESURFACING 2014-2015

SCALE	-NA-		REVISIONS
DATE	2/14		
DWG. BY	JDA		
DESIGN BY	JDA		
APPROVED	MPM		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10131.37 -10CR.20131.115	5	
F.A. PROJECT NO.			

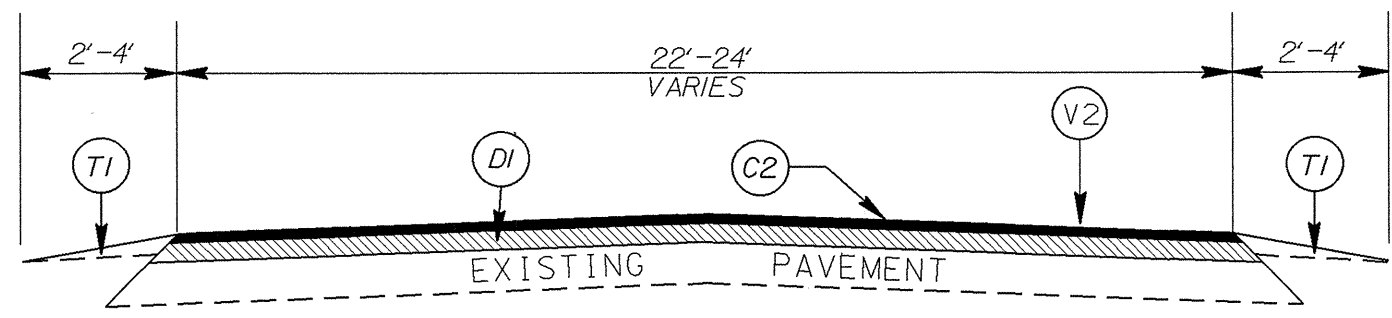


TYPICAL SECTION NO. 10
WEDGING DETAIL
REVERSE CURVE ON MAP #4 (OLD AIRPORT RD)



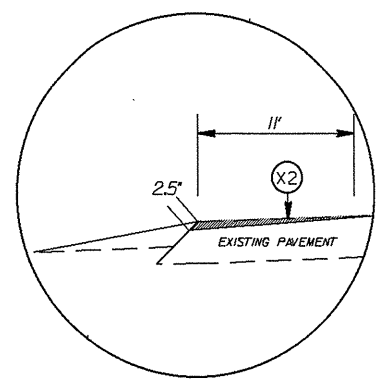
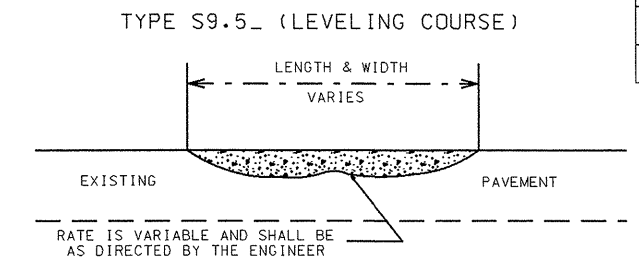
TYPICAL SECTION NO. 9

Note: Maps 11 and 12 will be patching and leveling only
As Directed by the Engineer

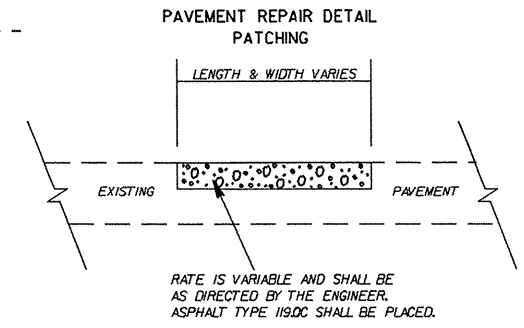


TYPICAL SECTION NO. 8

Patching for Map # 10, Minimum depth of 6 inches
As Directed by the Engineer




DETAIL FOR PROFILE MILLING
(0" TO 2.5")
MAP #4

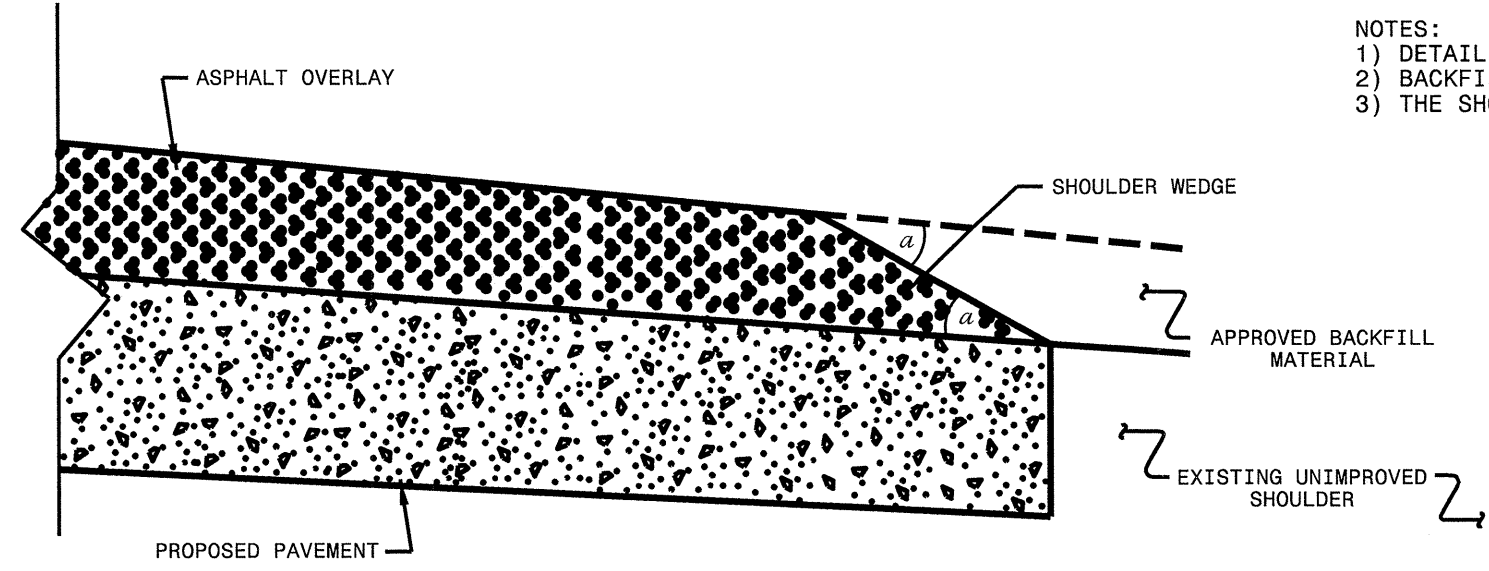


PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE 89.6C, AT AN AVERAGE RATE OF 188 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.8" ASPHALT CONCRETE SURFACE COURSE, TYPE 89.6B, AT AN AVERAGE RATE OF 188 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 119.0B, AT AN AVERAGE RATE OF 286 LBS. PER SQ. YD.
E1	TIE IN TO EXISTING CURB, NO MILLING REQUIRED
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5" DEPTH.
V2	MILLING BITUMINOUS PAVEMENT 2.5" DEPTH.
W	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 119.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2.5" IN DEPTH OR GREATER THAN 4" IN DEPTH.
X1	PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 1.5" DEPTH.
X2	PROFILE MILLING BITUMINOUS PAVEMENT. 0" TO 2.5" DEPTH.

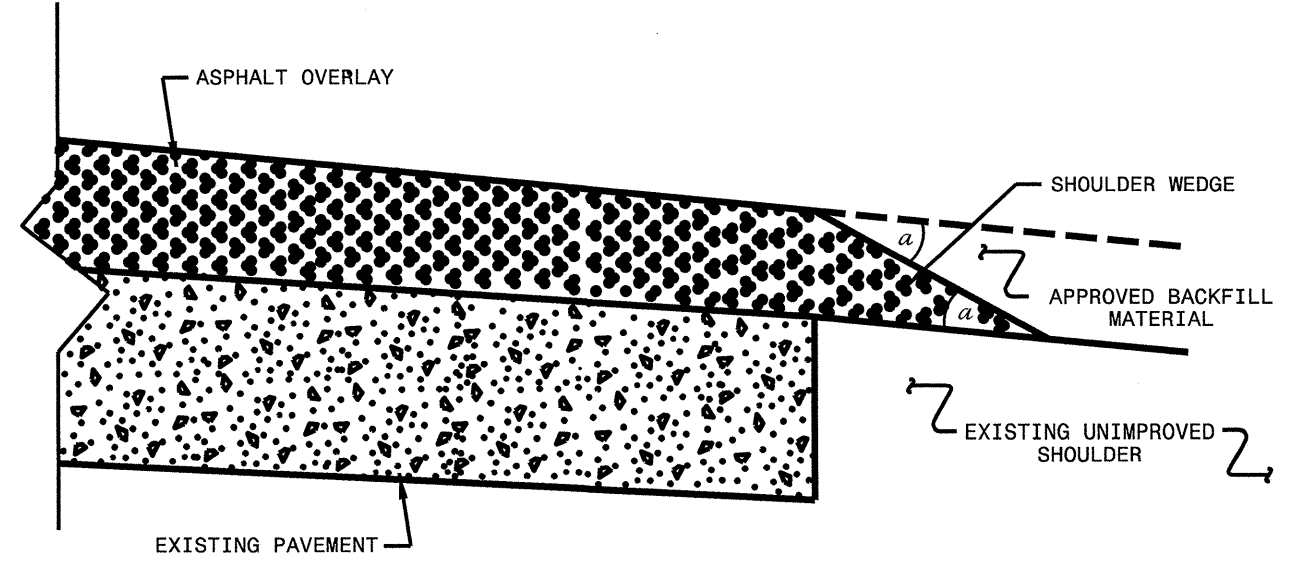
CABARRUS COUNTY
RESURFACING 2014-2015

SCALE	-NA-		REVISIONS
DATE	2/14		
DWG. BY	JDA		
DESIGN BY	JDA		
APPROVED	MPM		

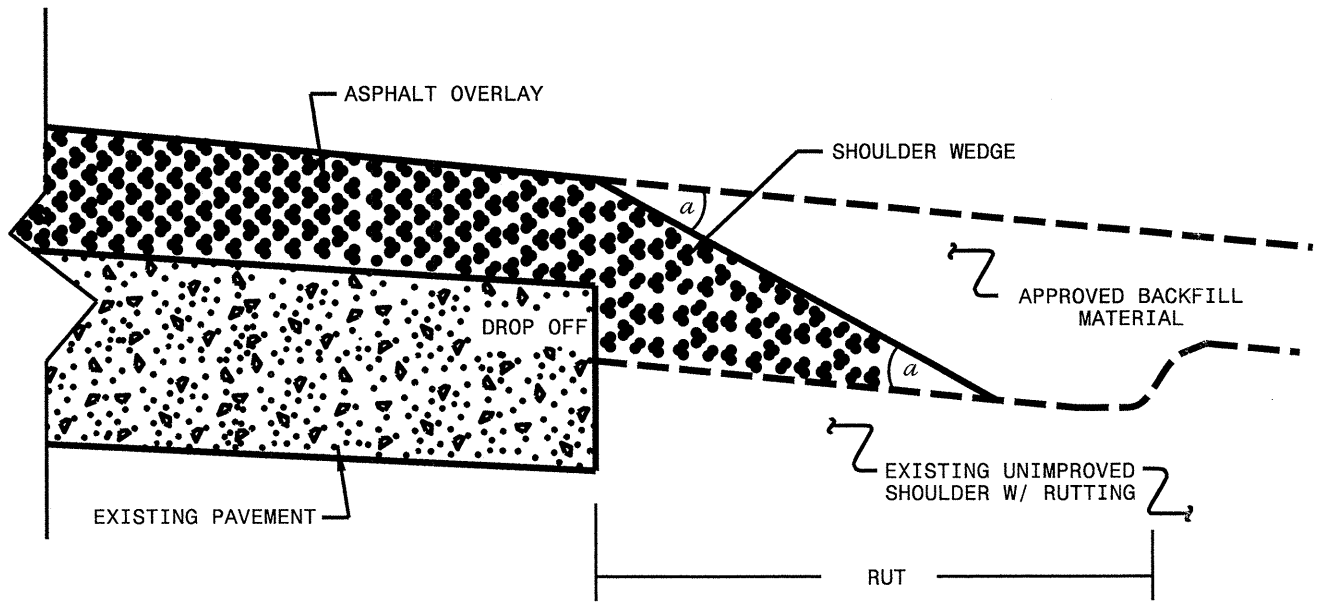
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT			
Office 919-707-6950		FAX 919-250-4119	
SHOULDER WEDGE DETAILS			
ORIGINAL BY: T. SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 10/16/12		
CHECKED BY:	DATE:		
FILE SPEC: s:\usr\details\stand\shoulderwedge\detail.dgn			

 ACTIVE

 USER NAME *****

PROJECT NO. 10CR.10131.37, 10CR.20131.105 10CR.20131.106, ETC.	SHEET NO. 7	TOTAL NO.
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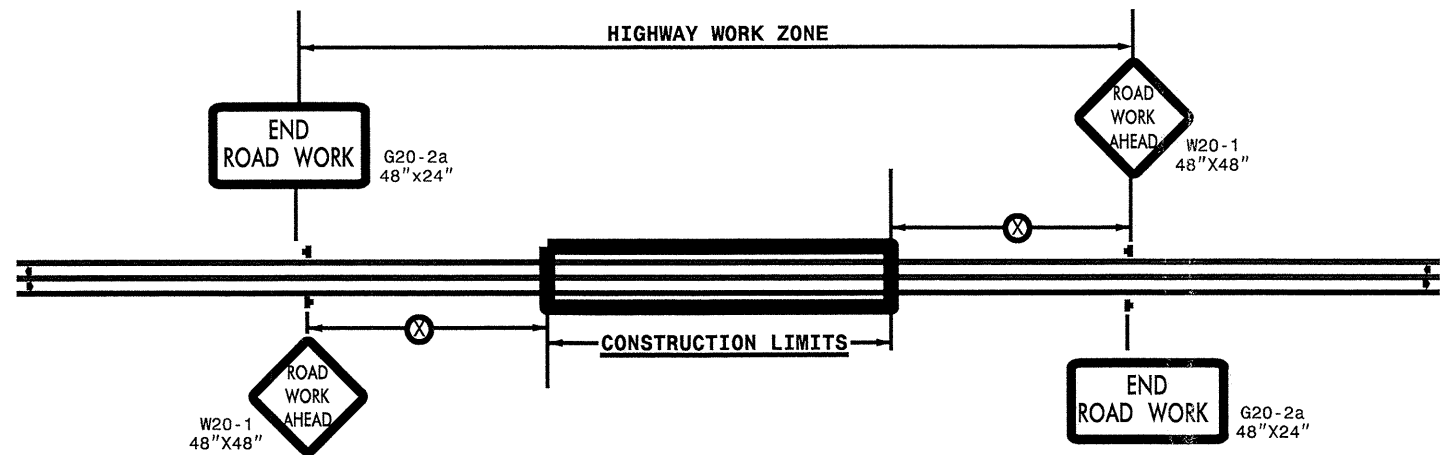
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	1 1/2" MILLING SY	2.5" MILLING SY	0" TO 1.5" MILLING SY	0" TO 2.5" MILLING SY	INCIDENTAL MILLING SY	INTERMEDIATE COURSE, I19.0B TONS	SURFACE COURSE, S9.5B TONS	LEVELING COURSE, S9.5B TONS	SURFACE COURSE, S9.5C TONS	LEVELING COURSE, S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	6" DRIVEWAY SY	RETROFIT EXISTING CURB RAMP EA	ADJ. OF MAN-HOLES EA	ADJ. OF METER OR VALVE BOXES EA	TEMPORARY SILT FENCE LF	WATTLE LF	
10CR.10131.37	Cabarrus	1	NC 200	FROM STANLY COUNTY LINE TO SR 1006 (MOUNT PLEASANT RD) MILEPOST 0.00 TO 3.15	1,2	NO	NO	3.15	25-48	315	236	6.21			1,250		160				4,620	900	331	900						600	600
10CR.20131.105	Cabarrus	2	SR 1601 (ODELL SCHOOL RD)	FROM NC 3 TO SR 1442 (WINDY RD) MILEPOST 0.006 TO 2.553	3	YES	NO	2.55	24	255	191	5.10					200	5,787	3,527			489	1,200	140					200	375	
10CR.20131.106	Cabarrus	3	SR 1125 (BETHEL CH. RD)	FROM SR SR 1181 (HELMDALE RD) TO SR 1132 (FLOWES ST. RD) MILEPOST 2.15 TO 4.01	3	YES	NO	1.86	21	186	140	3.72					300	3,738	2,240			314	400	40					700	160	
10CR.20131.107	Cabarrus	4	SR 2635 (OLD AIRPORT RD)	FROM NC 3 TO NC 49 MILEPOST 0.008 TO 3.16	4,5,10	NO	NO	3.15	22	316	473	5.47	1,100		3,111	400	310	80	4,080	1,000			314	1,200	20		5	7	1,800	473	
10CR.20131.108	Cabarrus	5	SR 1155 (WEBB RD)	FROM SR 1482 (ZION CH. RD) TO SR 1157 (WILSHIRE DR) MILEPOST 0.01 TO 0.41	4,5	NO	NO	0.4	20	20	20	0.80			111		130		491	200			42	200						100	
10CR.20131.109	Cabarrus	6	SR 1141 (PINE GROVE CH. RD)	FROM SR 1132 (FLOWES STORE RD) TO SR 1136 (LOWER ROCKY RIVER RD) MILEPOST 0.004 TO 1.54	4	NO	NO	1.54	21	154	116	3.08	215				200		1,819	500			142	500					450	160	
10CR.20131.110	Cabarrus	7	SR 2205 (TURKEY RD)	FROM SR 2180 (LANE ST) TO ROWAN CO. LINE MILEPOST 0.007 TO 0.391	4	NO	NO	0.42	20	21	21	0.84							458	200			40	200						63	
10CR.20131.111	Cabarrus	8	SR 1154 (PINEY CH. RD)	FROM PAVEMENT JOINT AT SR 1153 (ZION CH. RD) TO CURB AND GUTTER AT SAINT ANDREWS PLACE MILEPOST 0.004 TO 0.754	4,7	NO	NO	0.75	20-36	75	38	1.38					130		1,313	500			111	300							120
10CR.20131.112	Cabarrus	9	SR 2937 (SKYBROOK DR)	FROM SR 1449 (HARRIS RD) TO MECKLENBURG CO. LINE MILEPOST 0.00 TO 0.367	6	NO	NO	0.37	28				6,078						564				34	200		2					
10CR.20131.113	Cabarrus	10	SR 1006 (MOUNT PLEASANT RD)	FROM 2620 (BARNHARDT RD) TO PAST SR 2626 (BOST CUT OFF RD) MILEPOST 9.23 TO 10.76	8	YES	NO	1.53	23	153	689	3.06		20,645			150	3,265	2,028				278	300					650	420	
10CR.20131.114	Cabarrus	11	SR 1006 (MOUNT PLEASANT RD)	FROM SCL MOUNT PLEASANT TO SR 2620 (BARNHARDT RD) MILEPOST 8.13 TO 9.23	9	NO	NO	1.1	24											25			2	200							
10CR.20131.115	Cabarrus	12	SR 1006 (MOUNT PLEASANT RD)	FROM SR 2626 (BOST CUT OFF RD) TO NC 200 MILEPOST 10.76 TO 13.96	9	NO	NO	3.2	24											75			5	500							
GRAND TOTAL								20.02		1,495	1,924	29.66	7,393	20,645	4,472	400	1,580	12,870	16,520	2,500	4,620	900	2,102	6,100	200	2	5	7	4,400	2,471	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LENGTH	WIDTH	4413000000-	4457000000-	4685000000-E	4686000000-E	4695000000	4700000000	4710000000	4721000000-E		4725000000-E			4770000000-E	4810000000-E		4825000000	4850000000	4900000000-N					
									WORK ZONE ADVANCE/G ENEAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 120 M YELLOW THERMO	4" X 120 M WHITE THERMO	8" X 90 M WHITE THERMO	12" X 90 M YELLOW THERMO	24" X 120 M WHITE THERMO	THERMO MSG STOP 120 M	THERMO MSG AHEAD 120 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR & RT ARROW 90 M	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE II (4")	4" YELLOW PAINT	4" WHITE PAINT	12" YELLOW PAINT	4" LINE REMOVAL	CRYSTAL & RED MARKERS	YELLOW & YELLOW MARKERS			
10CR.10131.37	Cabarrus	1	NC 200	FROM STANLY COUNTY LINE TO SR 1006 (MOUNT PLEASANT RD) MILEPOST 0.00 TO 3.15	1,2	2	3.15	25-48	SF	LS	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA	EA	EA	EA		
10CR.20131.105	Cabarrus	2	SR 1601 (ODELL SCHOOL RD)	FROM NC 3 TO SR 1442 (WINDY RD) MILEPOST 0.006 TO 2.553	3	2	2.55	24			33,894	20,790	300	150	100	8		2	2		878	83,160			878	16	245				
10CR.20131.106	Cabarrus	3	SR 1125 (BETHEL CH. RD)	FROM SR SR 1181 (HELMDALE RD) TO SR 1132 (FLOWES ST. RD) MILEPOST 2.15 TO 4.01	3	2	1.86	21															52,650	40,027							
10CR.20131.107	Cabarrus	4	SR 2635 (OLD AIRPORT RD)	FROM NC 3 TO NC 49 MILEPOST 0.008 TO 3.16	4,5,10	2	3.15	22											14	5	3		70,750	58,780	700						
10CR.20131.108	Cabarrus	5	SR 1155 (WEBB RD)	FROM SR 1482 (ZION CH. RD) TO SR 1157 (WILSHIRE DR) MILEPOST 0.01 TO 0.41	4,5	2	0.4	20															8,448	8,608							
10CR.20131.109	Cabarrus	6	SR 1141 (PINE GROVE CH. RD)	FROM SR 1132 (FLOWES STORE RD) TO SR 1136 (LOWER ROCKY RIVER RD) MILEPOST 0.004 TO 1.54	4	2	1.54	21		*													20,328	33,141							
10CR.20131.110	Cabarrus	7	SR 2205 (TURKEY RD)	FROM SR 2180 (LANE ST) TO ROWAN CO. LINE MILEPOST 0.007 TO 0.391	4	2	0.42	20															9,038	9,038							
10CR.20131.111	Cabarrus	8	SR 1154 (PINEY CH. RD)	FROM PAVEMENT JOINT AT SR 1153 (ZION CH. RD) TO CURB AND GUTTER AT SAINT ANDREWS PLACE MILEPOST 0.004 TO 0.754	4,7	2	0.75	20-36			7,290	8,770	2,700	70						9							15	50			
10CR.20131.112	Cabarrus	9	SR 2937 (SKYBROOK DR)	FROM SR 1449 (HARRIS RD) TO MECKLENBURG CO. LINE MILEPOST 0.00 TO 0.367	6	2	0.37	28																							
10CR.20131.113	Cabarrus	10	SR 1006 (MOUNT PLEASANT RD)	FROM 2620 (BARNHARDT RD) TO PAST SR 2626 (BOST CUT OFF RD) MILEPOST 9.23 TO 10.76	8	2	1.53	23															20,196	32,926							
10CR.20131.114	Cabarrus	11	SR 1006 (MOUNT PLEASANT RD)	FROM SCL MOUNT PLEASANT TO SR 2620 (BARNHARDT RD) MILEPOST 8.13 TO 9.23	9	2	1.1	24																							
10CR.20131.115	Cabarrus	12	SR 1006 (MOUNT PLEASANT RD)	FROM SR 2626 (BOST CUT OFF RD) TO NC 200 MILEPOST 10.76 TO 13.96	9	2	3.2	24																							
GRAND TOTAL							20.02		2,242	1	68,622	46,390	3,000	70	150	225	16	5	25	7	3	878	432,870	182,520	700	878	31	463			

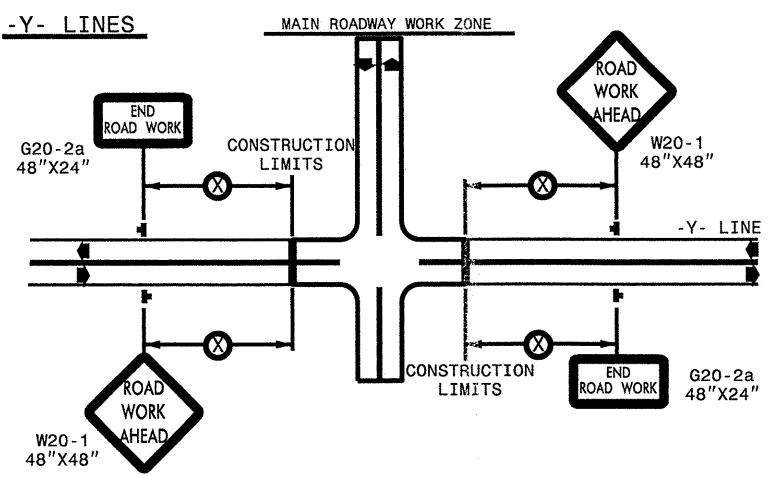
TWO-WAY UNDIVIDED ** (L-LINES)



POSTED SPEED LIMIT (M.P.H.)	RECOMMENDED MINIMUM SIGN SPACING
≤ 50	500'
≥ 55	1000'

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)



DETAIL DRAWING FOR
 TWO-WAY UNDIVIDED
 WORK ZONE WARNING SIGNS

GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND

└ STATIONARY SIGN

◀ DIRECTION OF TRAFFIC FLOW

SHEET 1 OF 1

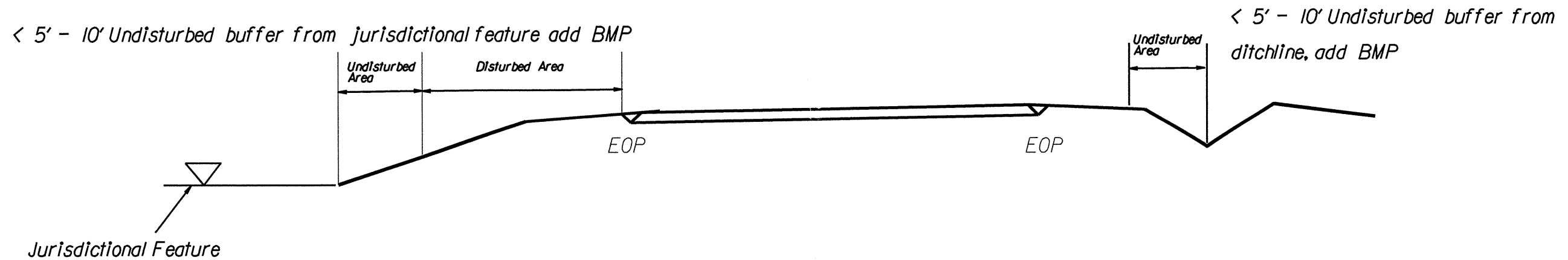
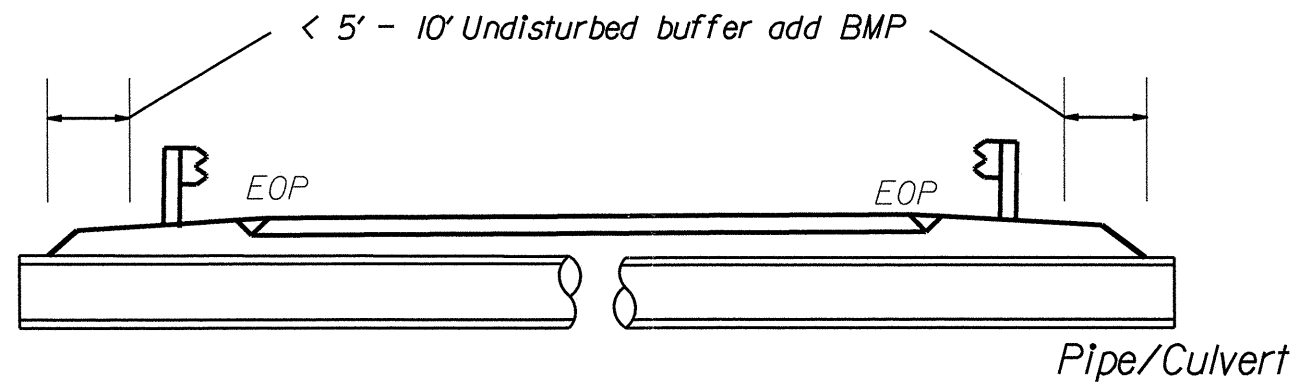
APPROVED: _____	DATE: _____	DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS		SCALE: NONE
				REVISIONS
				7-98 10/01 10-98 03/04 01/01 11/04

*****DOWNS*****
 *****SUBSERNAME*****

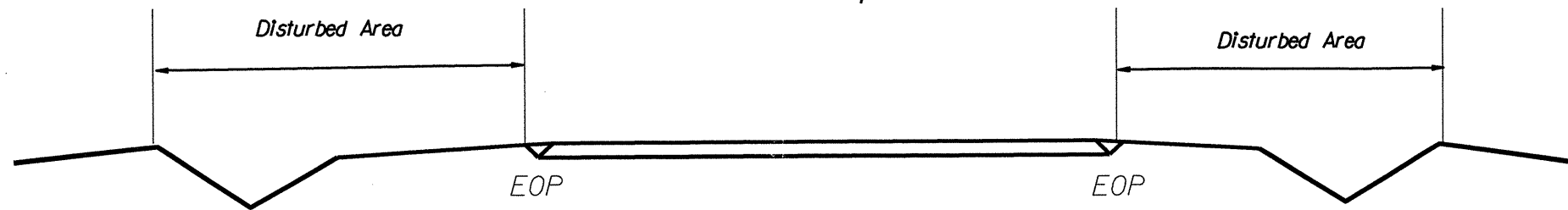
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

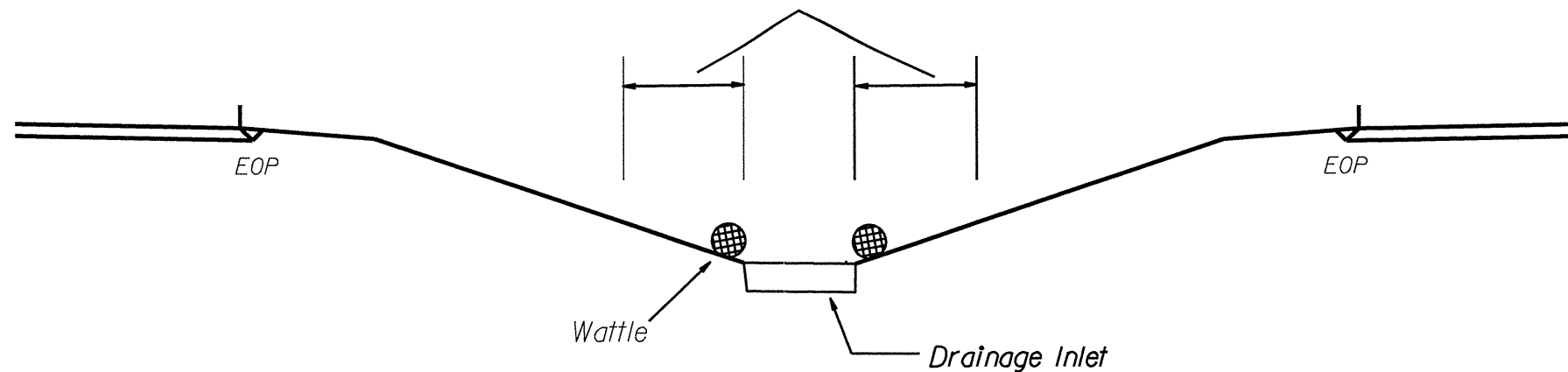
EROSION CONTROL DETAIL



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

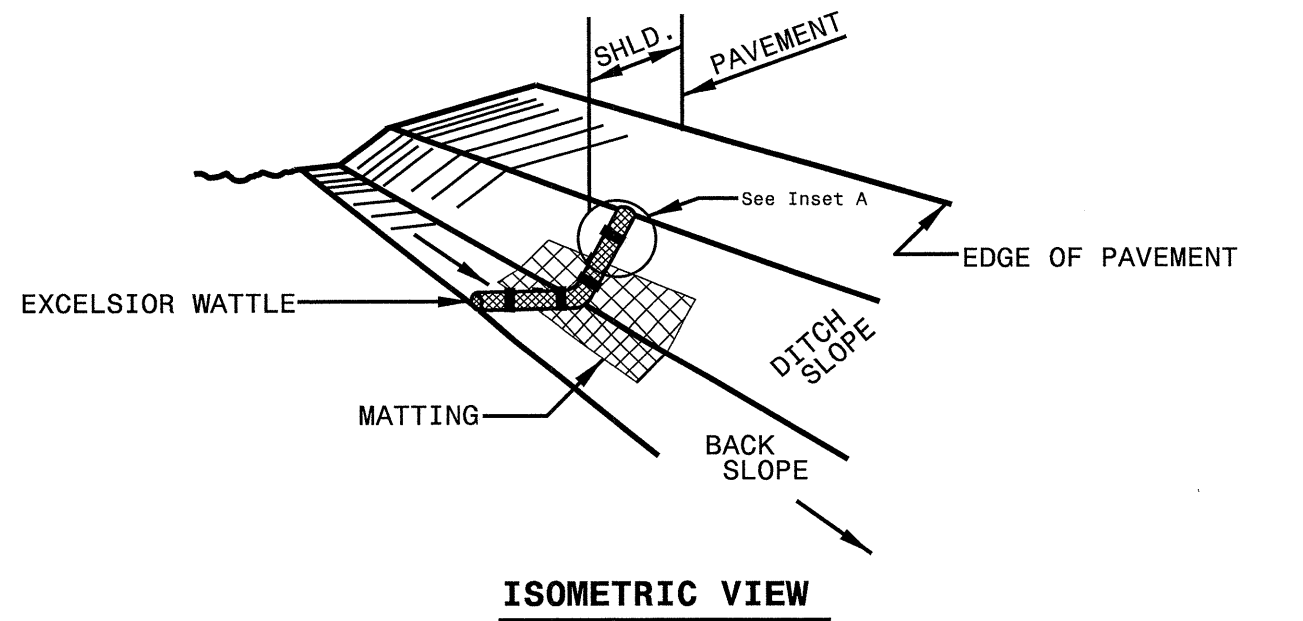


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

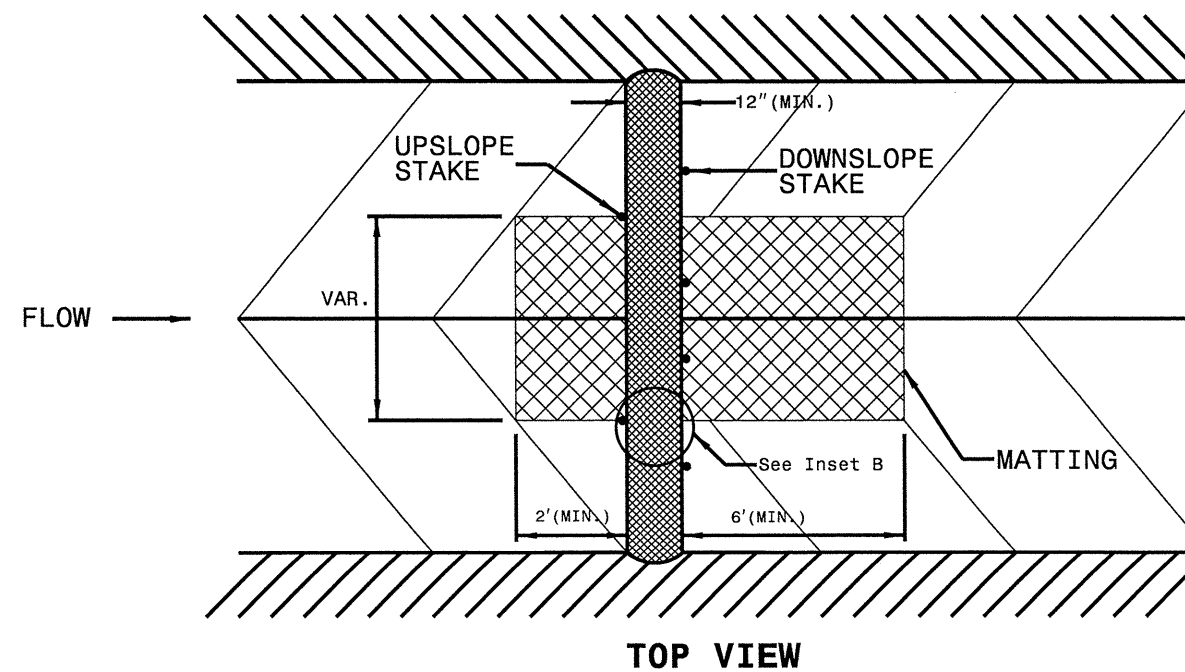
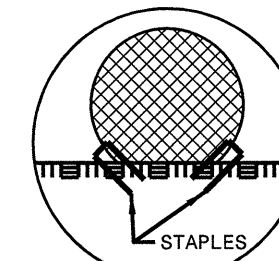
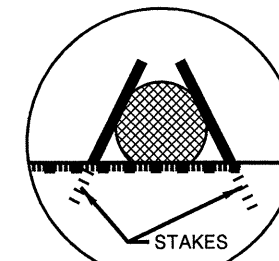
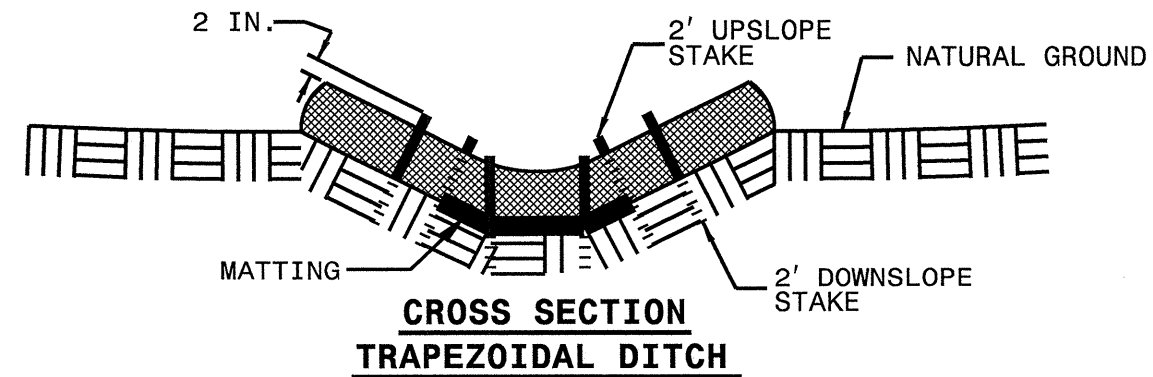
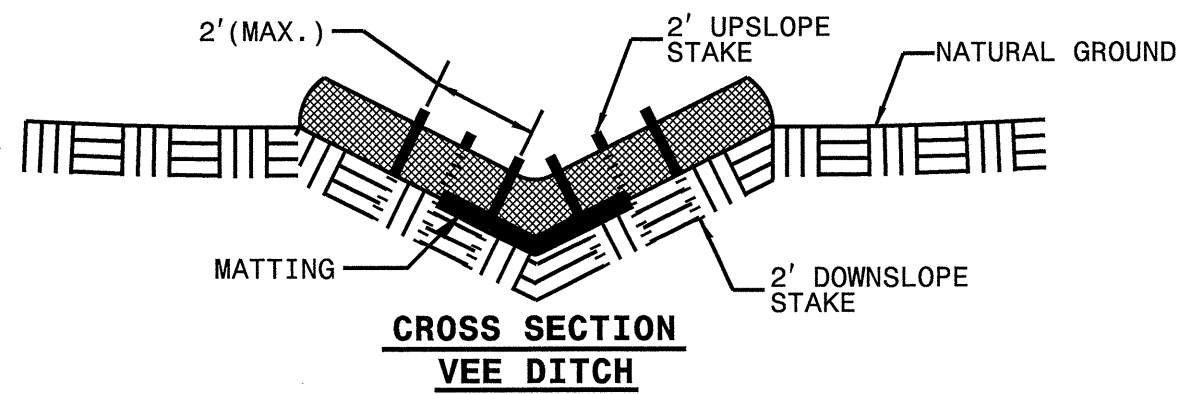
USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.

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

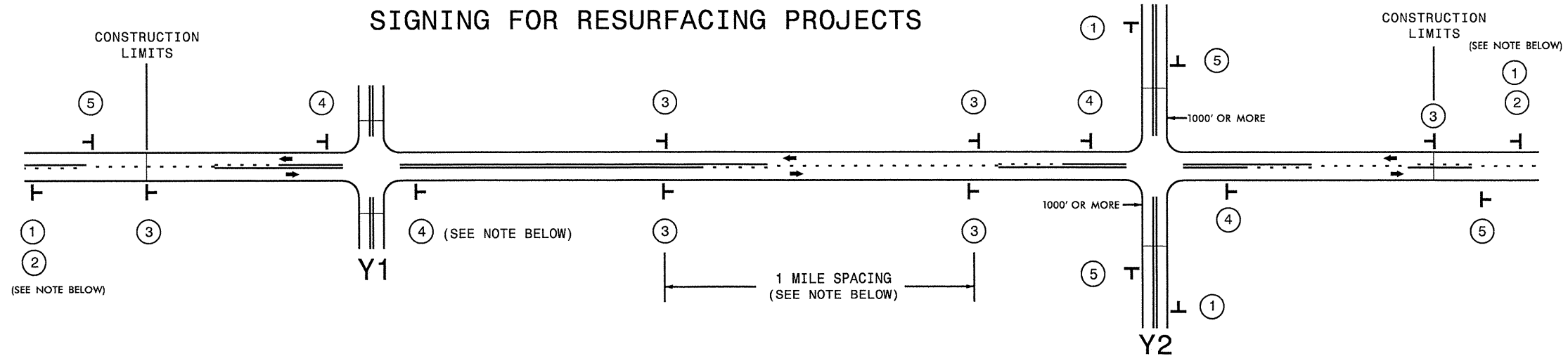
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.



SIGNING FOR RESURFACING PROJECTS



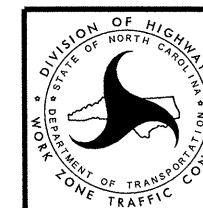
LEGEND	
T	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p>	NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS: 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS 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.	
	2	<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>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
	3	<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>		
	4	<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>		
5	<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>			

I:\FEB-2014 09:23 User\sa\laburn\A\10101CAD00266740
 C:\Users\sa\Documents\CONTRACTS\Resurfacing_Raleigh Let Contract\2014-2015\2014-2015 Cobarrus\Resurfacing_Typicals\Resurfacing_AdvWarn_2Ln.dgn



RESURFACING
 ADVANCE WARNING SIGNS
 FOR
 RURAL AND SUBURBAN
 2 LANE ROADWAYS

SIGN-2

SIGN NUMBER: 11299
 TYPE: B
 QUANTITY: SEE PLANS

BACKG COLOR: Fluorescent Orange
 COPY COLOR: Black

DESIGN BY: WJ
 PROJECT ID: ALL

CHECKED BY:
 DIV: ALL

DATE: Jun 22, 2011

SIGN WIDTH: 5'-6"
 HEIGHT: 5'-6"
 TOTAL AREA: 30.5 Sq.Ft.

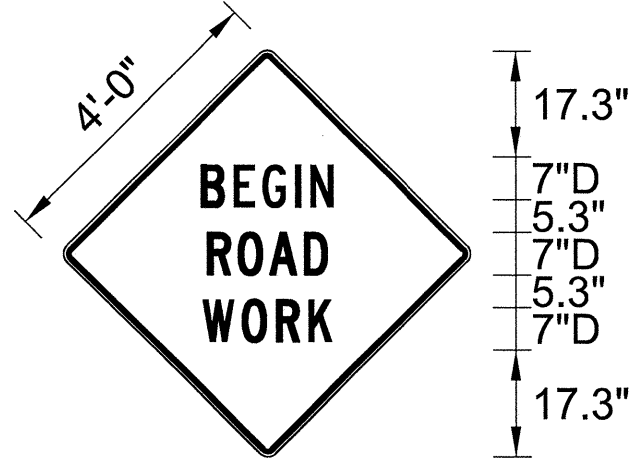
SYMBOL	X	Y	WID	HT

BORDER TYPE: INSET
 RECESS: 0.59"
 WIDTH: 0.75"
 RADII: 1.38"

NO. Z BARS: N/A
 LENGTH: N/A

MAT'L: 0.125" (3.2 mm) ALUMINUM

SP 11299



BORDER
 R=1.38"
 TH=0.75"
 IN=0.59"

Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be Type VII, VIII, or IX (prismatic) fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter																				Series/Size
																				Text Length
		B	E	G	I	N														D 2000
20.5	6	5.4	6.3	2.8	4.8	20.5														25.2
		R	O	A	D															D 2000
21.4	5.8	5.9	7	4.8	21.4															23.5
		W	O	R	K															D 2000
20.9	7.1	6.5	5.9	4.9	20.9															24.5

<p>SIGN NUMBER: SP13107 TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 4'-0" HEIGHT: 4'-0" TOTAL AREA: 16.00 Sq.Ft. BORDER TYPE: INSET RECESS: 0.75" WIDTH: 1.25" RADII: 3" NO. Z BARS: LENGTH:</p>	<p>BACKG COLOR: Fluorescent Orange COPY COLOR: Black</p> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> <p>MAT'L: 0.080" (2.0 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																																				<p>DESIGN BY: B. RASHID PROJECT ID:</p>	<p>CHECKED BY: AIA DIV:</p> <p style="text-align: right;">DATE: Apr 26, 2013</p>
SYMBOL	X	Y	WID	HT																																							
<p>USE NOTES: 1,2</p> <p>1. Legend and border shall be direct applied black non-reflective sheeting. 2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.</p>		<p style="text-align: center;">Spacing Factor is 1 unless specified otherwise</p>																																									

LETTER POSITIONS

Letter spacings are to start of next letter											Series/Size	
											Text Length	
	L	O	W	/	S	O	F	T				D 2000
13.2	4.5	5	5.5	6.5	5	5.6	4.1	3.7	13.2			39.9
	S	H	O	U	L	D	E	R				D 2000
13	5.1	5.4	5.6	5.5	4.6	5.4	4.7	4.1	13			40.4

SIGN-4

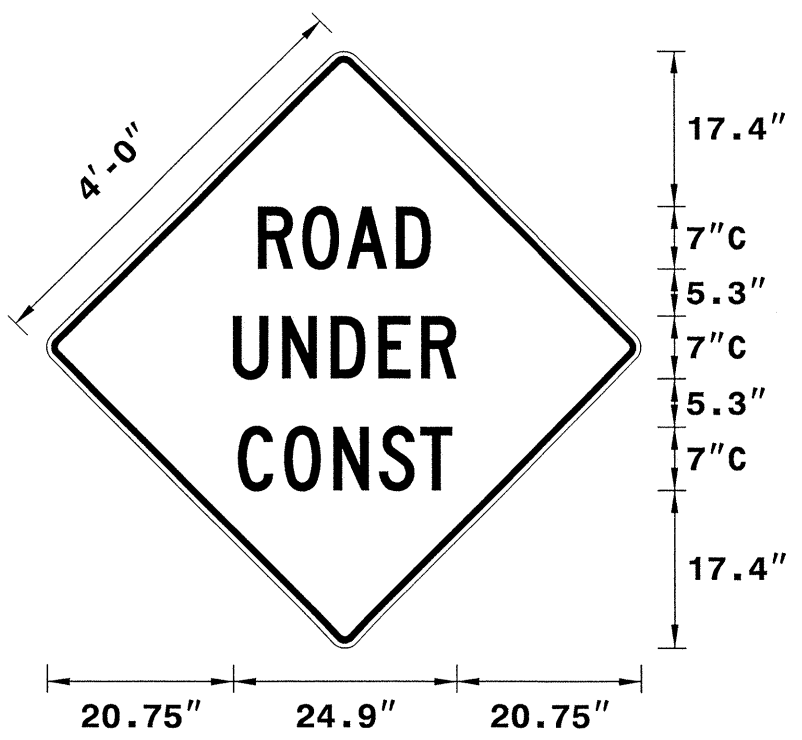
SIGN NUMBER: SP13106
 TYPE: STATIONARY
 QUANTITY: SEE PLANS
 SIGN WIDTH: 4'-0"
 HEIGHT: 4'-0"
 TOTAL AREA: 16.00 Sq.Ft.
 BORDER TYPE: INSET
 RECESS: 0.75"
 WIDTH: 1.25"
 RADII: 3"
 NO. Z BARS:
 LENGTH:

BACKG COLOR: Fluorescent Orange
 COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0 mm) ALUMINUM

DESIGN BY: B. RASHID
 PROJECT ID:
 CHECKED BY: AIA
 DIV:
 DATE: Apr 26, 2013



Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2
 1. Legend and border shall be direct applied black non-reflective sheeting.
 2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter															Series/Size	
															Text Length	
		R	O	A	D											C 2000
23.5	5	5	5.5	3.9	23.5											19.3
		U	N	D	E	R										C 2000
20.7	5.5	5.5	5.3	4.8	3.9	20.7										24.9
		C	O	N	S	T										C 2000
21.2	5.2	5.5	5.1	4.6	3.6	21.2										23.9