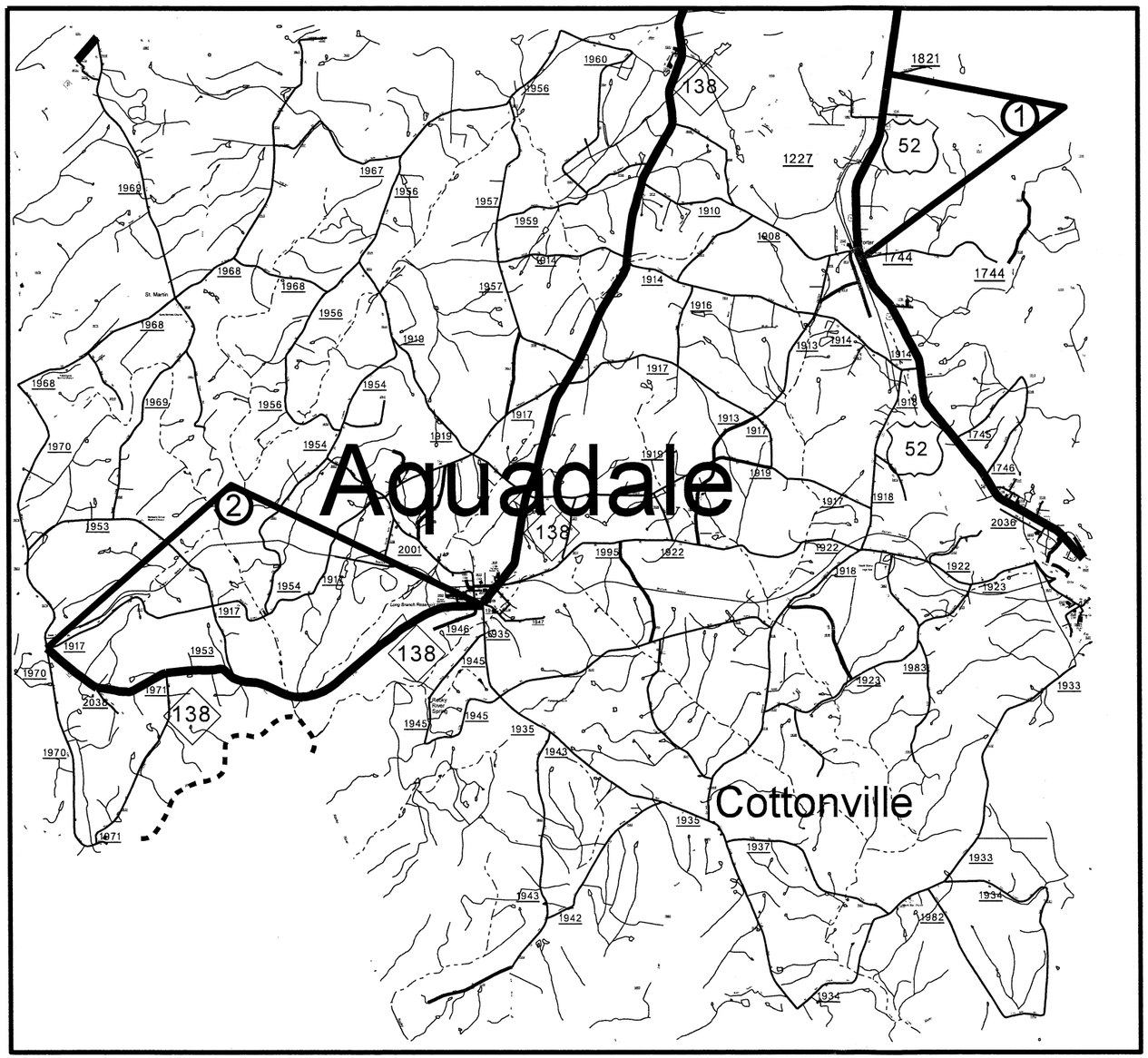
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.1084L.42.	1	
F.A. PROJECT NO.			



N

S

ENLARGED MUNICIPAL AND SUBURBAN AREAS

STANLY COUNTY

NORTH CAROLINA

PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

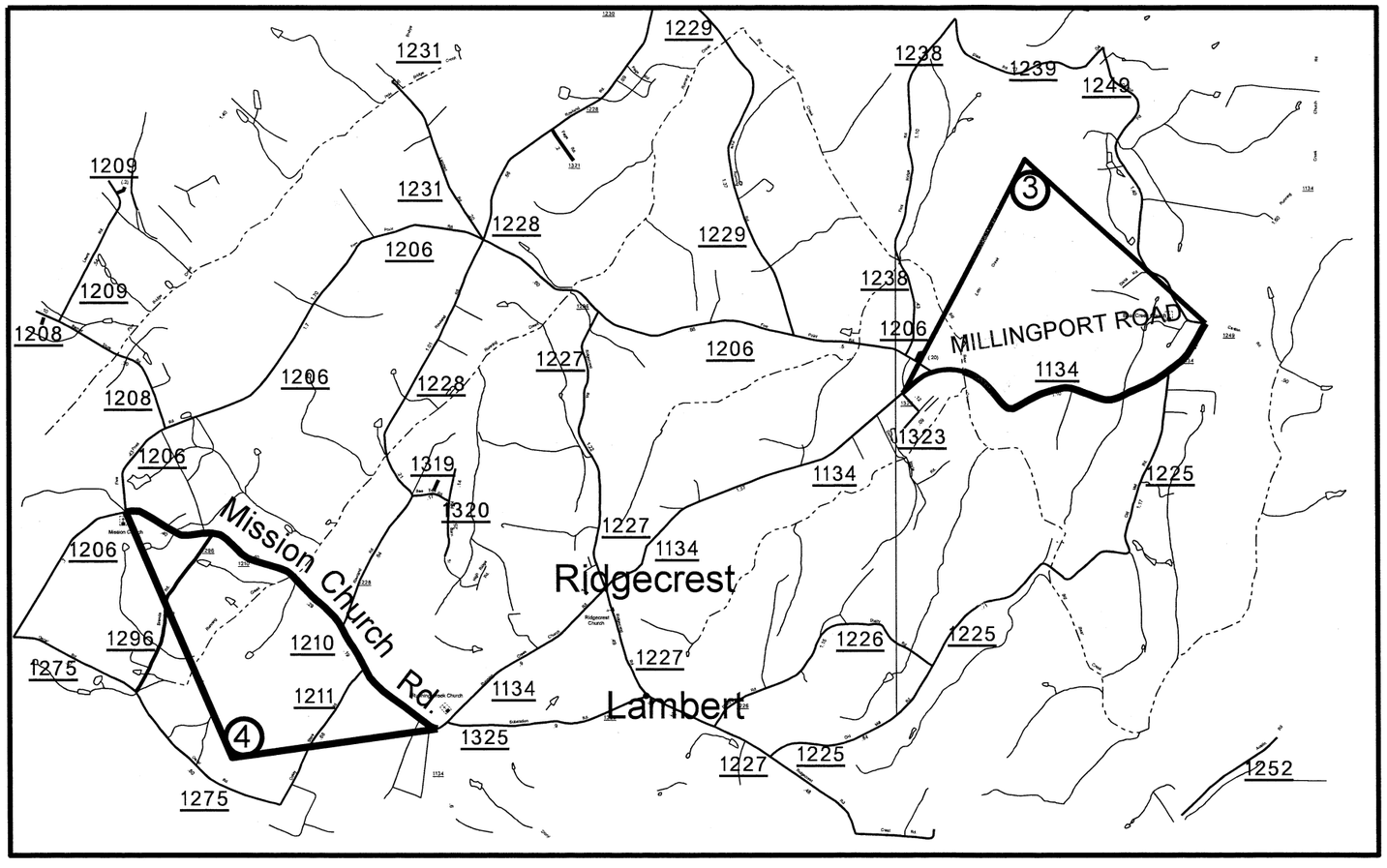
DIVISION OF HIGHWAYS - GIS UNIT

IN COOPERATION WITH THE

U.S.DEPARTMENT OF TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CRJ10841.42.	2	
F.A. PROJECT NO.			



N

S

ENLARGED MUNICIPAL AND SUBURBAN AREAS

STANLY COUNTY

NORTH CAROLINA

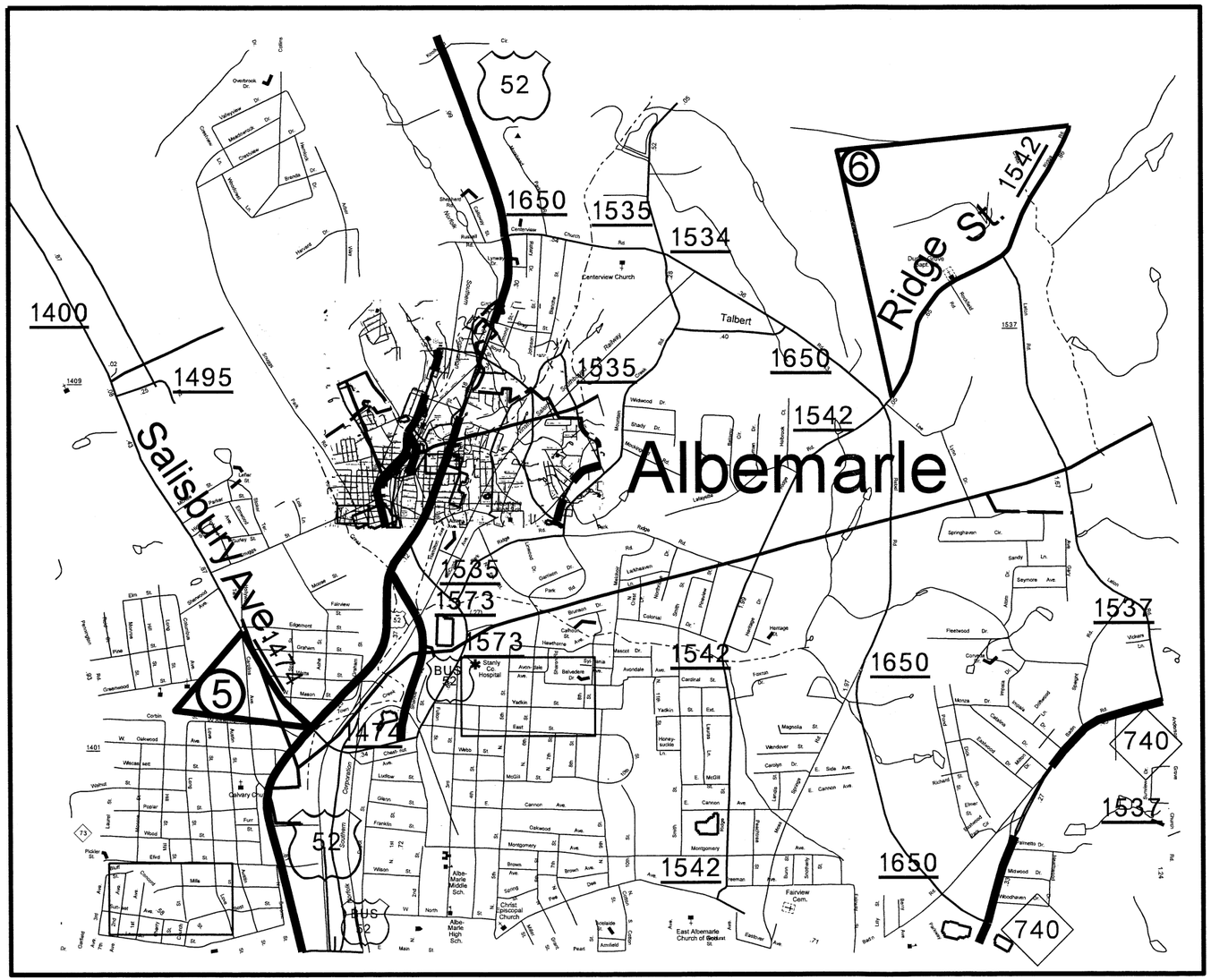
PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - GIS UNIT

IN COOPERATION WITH THE

U.S.DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10841,42,	3	
F.A. PROJECT NO.			



N

S

ENLARGED MUNICIPAL AND SUBURBAN AREAS

STANLY COUNTY

NORTH CAROLINA

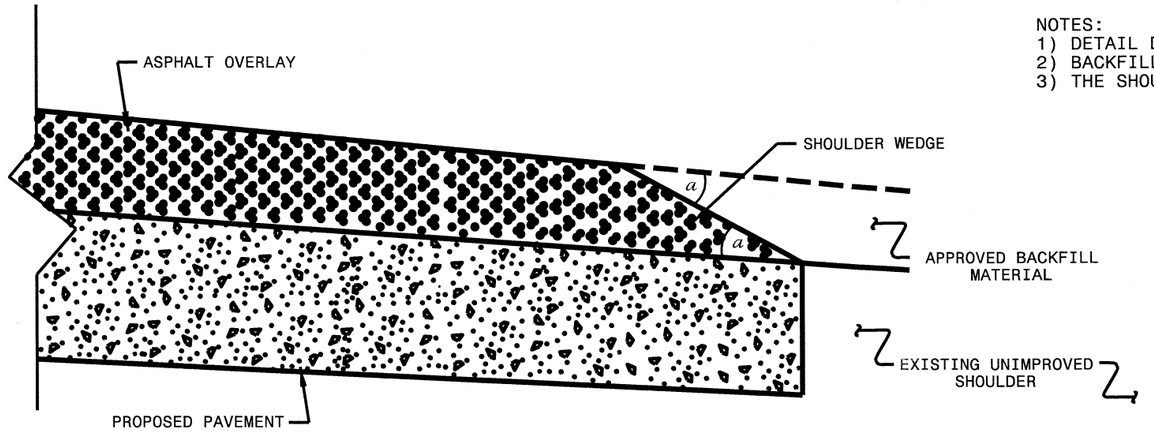
PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - GIS UNIT

IN COOPERATION WITH THE

U.S.DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

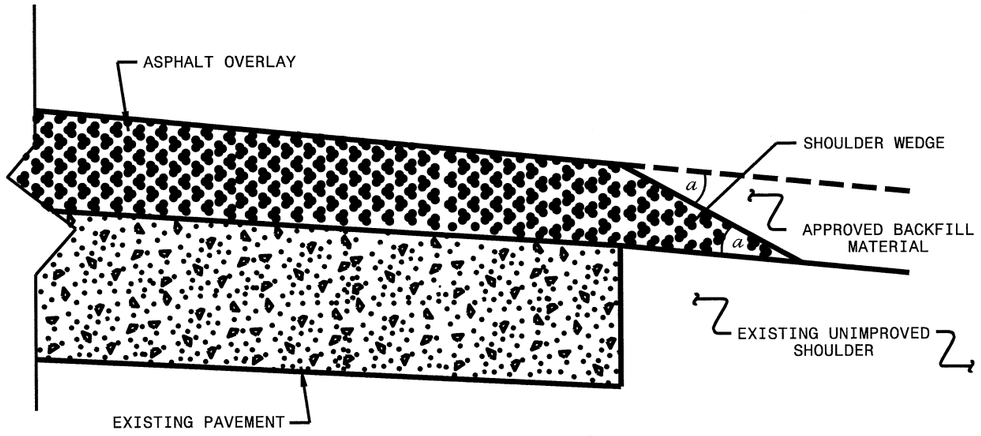
PROJECT REFERENCE NO.	SHEET NO.
10CR.10841Z0,etc.	4



NOTES:
1) DETAIL DOES NOT APPLY TO OGAFC 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.

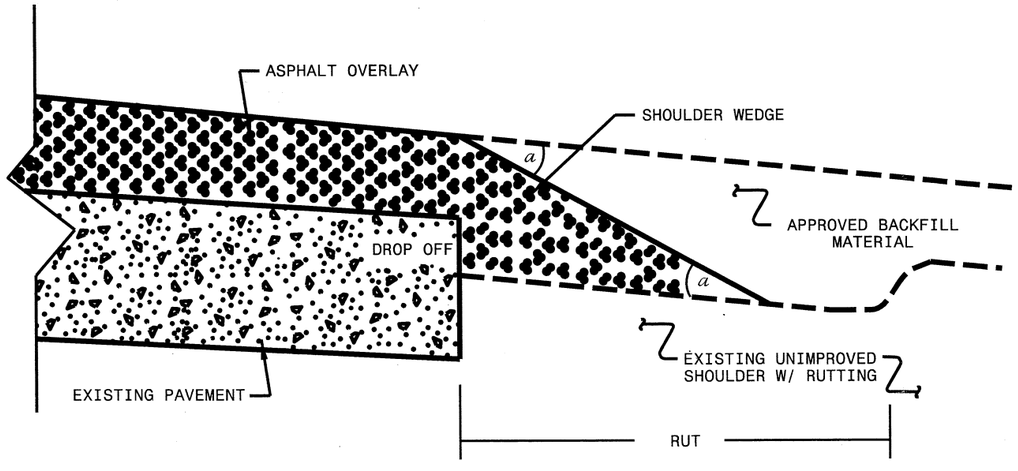
SHOULDER WEDGE DETAIL

(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:\ucr\details\strand\shoulderwedgedetail.dgn

$$$$SYSTIME$$$$
$$$$USERNAME$$$$

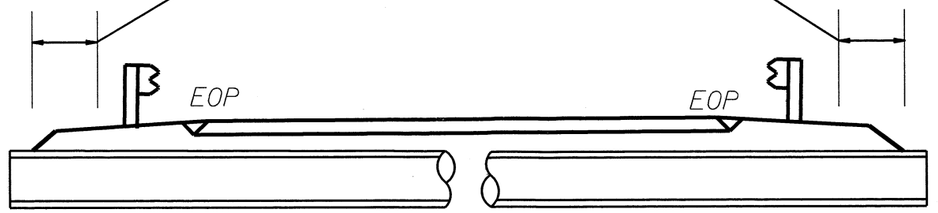
PROJECT REFERENCE NO.	SHEET NO.
10CL.1084140, etc	5

EROSION CONTROL DETAIL

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

BMP Options: Wattle or Silt Fence

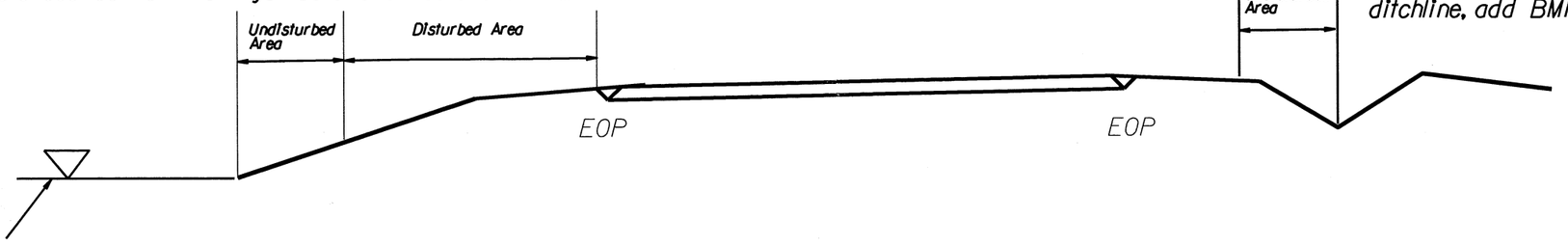
< 5' - 10' Undisturbed buffer add BMP



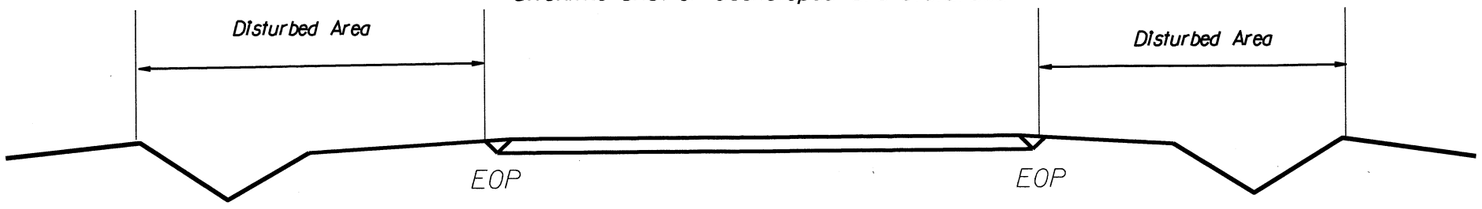
Pipe/Culvert

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

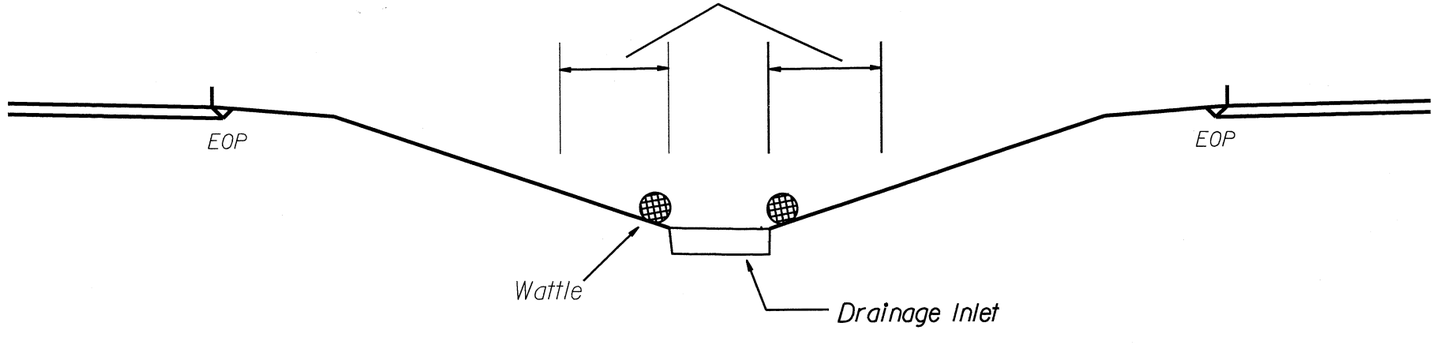
< 5' - 10' Undisturbed buffer from ditchline, add BMP



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

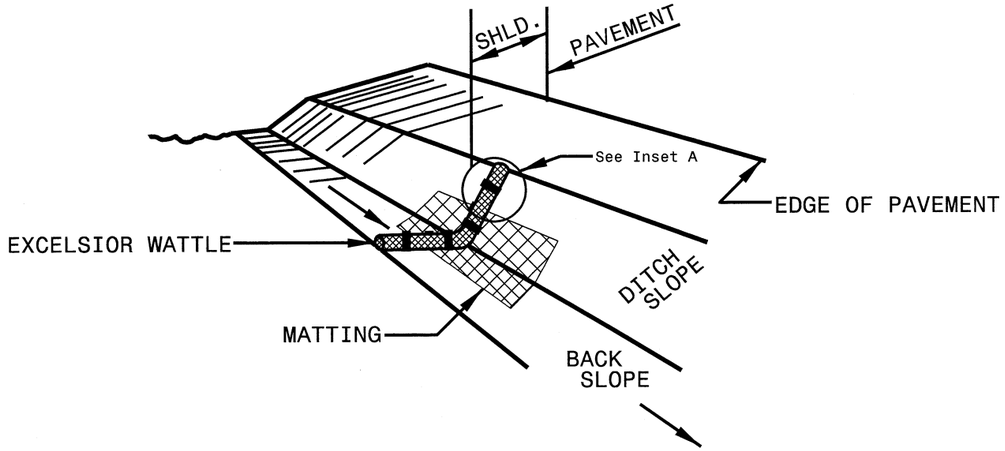


< 5' - 10' Undisturbed buffer from inlet, add wattle

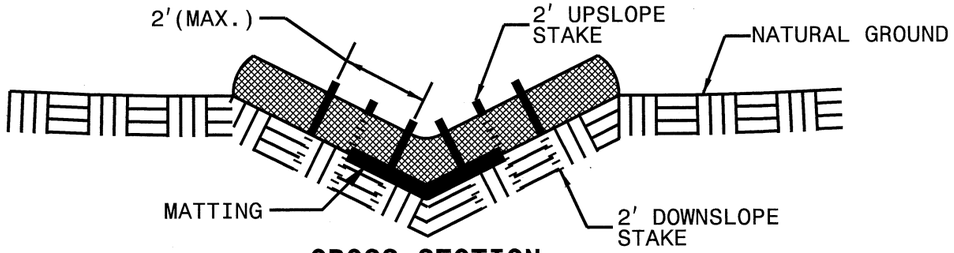


NOT TO SCALE

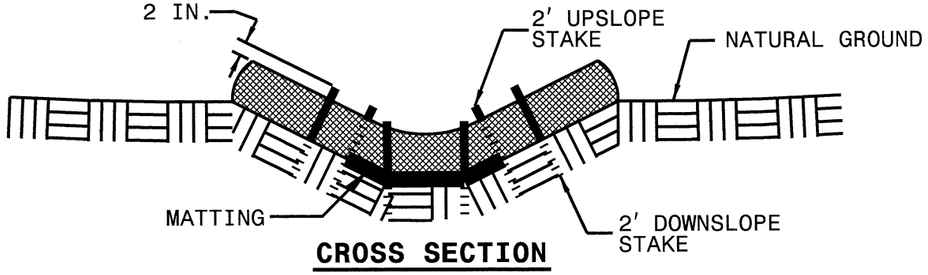
WATTLE DETAIL



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. CROSS SECTION.

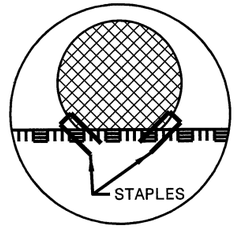
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

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

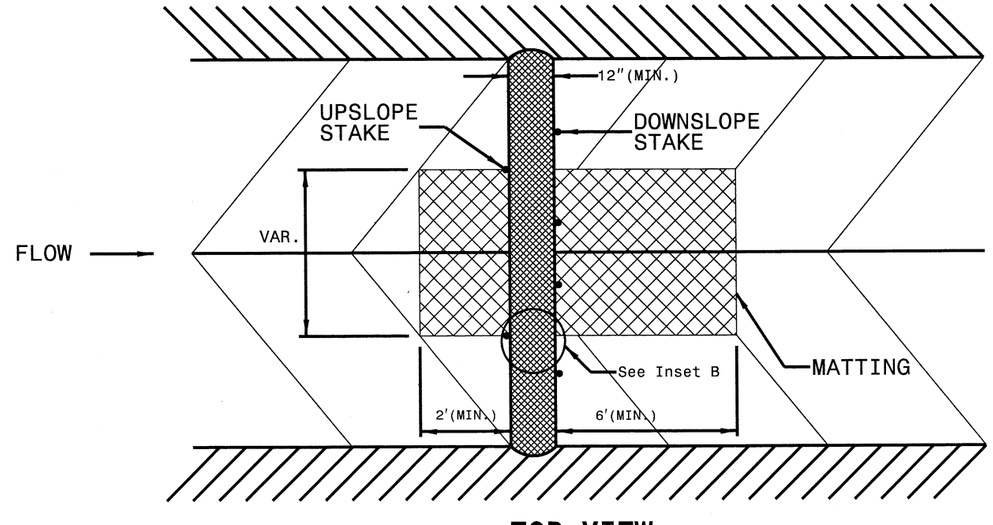
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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

INSET A



INSET B



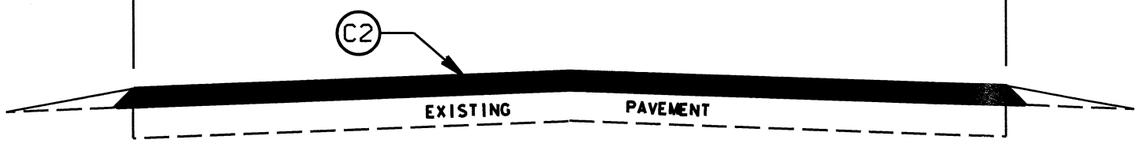
TOP VIEW

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10841.42.	7	
F.A. PROJECT NO.			

NCDOT TO RECONSTRUCT SHOULDERS

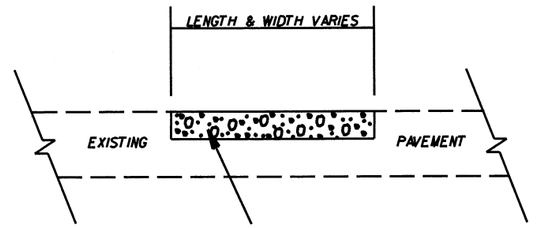
22'-24'
VARIES

NCDOT TO RECONSTRUCT SHOULDERS



TYPICAL SECTION NO. 3

PATCHING DETAIL

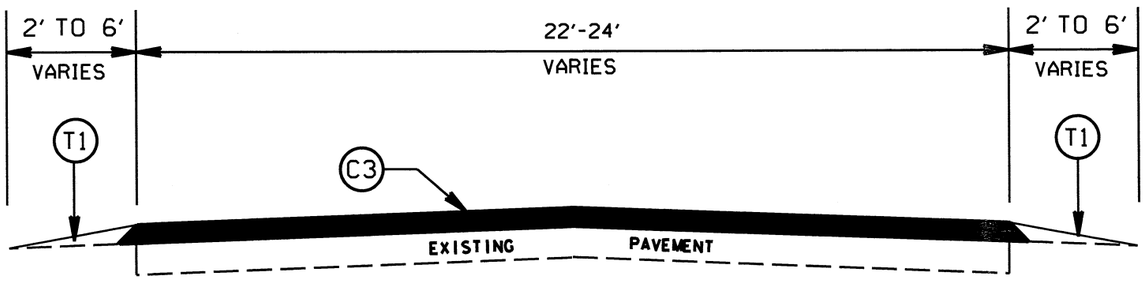


RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER.
ASPHALT TYPE B25.0C OR 119.0C SHALL BE PLACED WHEN USING S9.5C SURFACE MIX
ASPHALT TYPE B25.0B OR 119.0B SHALL BE PLACED WHEN USING S9.5B SURFACE MIX

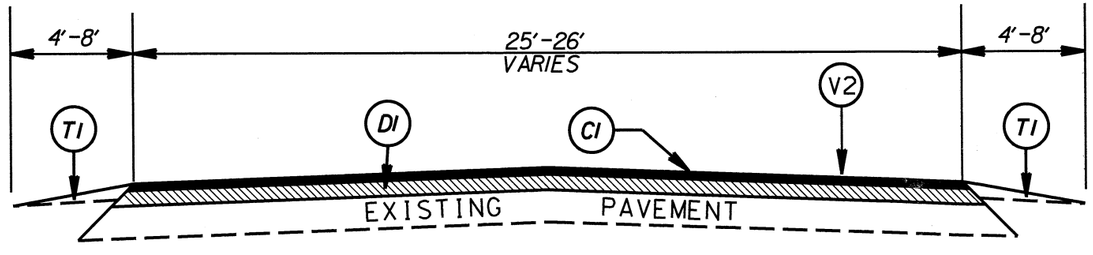
2' TO 6'
VARIES

22'-24'
VARIES

2' TO 6'
VARIES



TYPICAL SECTION NO. 2



TYPICAL SECTION NO. 1

Patching for Map # 1, Minimun depth of 6inches
As Directed by the Engineer

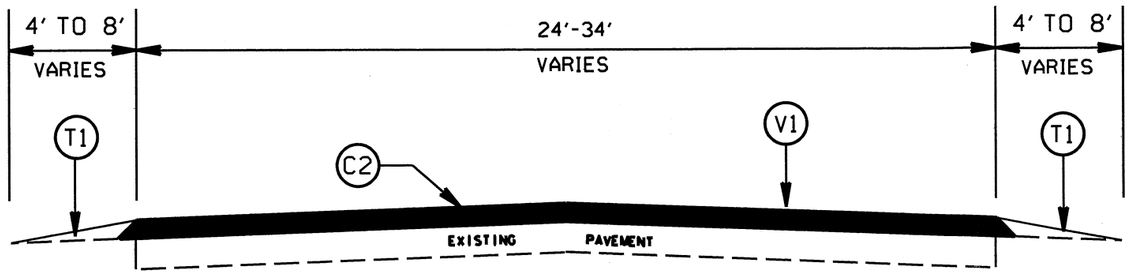
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C3	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIAATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5"DEPTH.
V2	MILLING BITUMINOUS PAVEMENT 2.5"DEPTH.

STANLY COUNTY
RESURFACING 2015-2016

SCALE	-NA-
DATE	11/14
DWG. BY	JDA
DESIGN BY	JDA
APPROVED	MPW

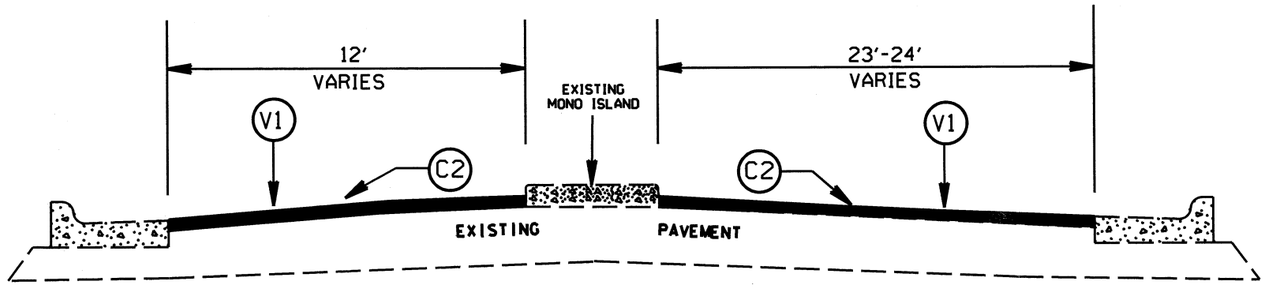
REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	10CR.10841.42.	8	
F.A. PROJECT NO.			

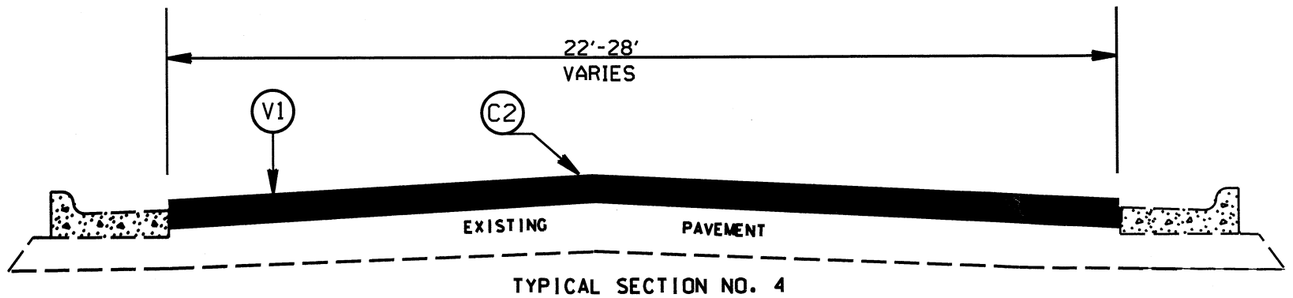


Ridge Street

TYPICAL SECTION NO. 6

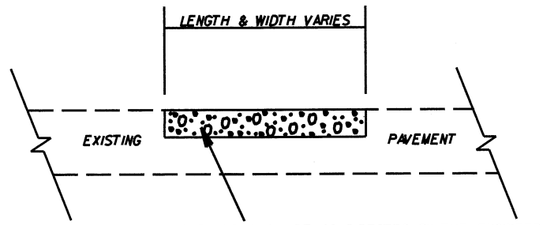


TYPICAL SECTION NO. 5



TYPICAL SECTION NO. 4

PATCHING DETAIL



RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER.
ASPHALT TYPE B25.0C OR 119.0C SHALL BE PLACED WHEN USING S9.5C SURFACE MIX
ASPHALT TYPE B25.0B OR 119.0B SHALL BE PLACED WHEN USING S9.5B SURFACE MIX

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.
C3	PROP. APPROX. 2.0" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIAATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING BITUMINOUS PAVEMENT 1.5"DEPTH.
V2	MILLING BITUMINOUS PAVEMENT 2.5"DEPTH.

STANLY COUNTY
RESURFACING 2015-2016

SCALE	-NA-
DATE	11/14
DWG. BY	JDA
DESIGN BY	JDA
APPROVED	MPW

REVISIONS

PROJECT NO.	SHEET NO.	TOTAL NO.
0CR.10841.42, 10CR.10841.4	9	
10CR.20841.55, ETC.		

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BORROW CY	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	2.5" MILLING SY	1½" MILLING SY	INCIDENTAL MILLING SY	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 TONS	PATCHING EXISTING PAVEMENT (MILL) TONS	6" DRIVEWAYS SY	ADJ. OF MANHOLES EA	ADJ. OF METER OR VALVE BOX EA	TEMPORARY SILT FENCE LF	WATTLE LF
10CR.10841.42	Stanly	1	US 52	FROM SR 1744 (SNUGGS RO TO SR 1821 (DEERHAVEN DR) MILEPOST 6.55 - 8.25	1	2		YES	NO	1.67	25'-26'	300	125	3.34	25,473		100	4,135			2,558	349	300	45			400	400
TOTAL FOR PROJ NO. 10CR.10841.42										**1.67**		**300**	**125**	**3.34**	**25,473**		**100**	**4,135**			**2,558**	**349**	**300**	**45**			**400**	**400**
10CR.10841.43	Stanly	2	NC 138	FROM SR 1935 (PLANK RD) TO SR 1970 (HILLS FORD RD) MILEPOST 1.94 - 6.14	2	2		NO	NO	4.2	22'-24'	420	210	8.40			450		7,611	200		470	750			1	600	960
TOTAL FOR PROJ NO. 10CR.10841.43										**4.2**		**420**	**210**	**8.40**			**450**		**7,611**	**200**		**470**	**750**			**1**	**600**	**960**
10CR.20841.55	Stanly	3	SR 1134 (MILLINGPORT RD)	FROM SR 1249 (CANTON RD) INCLUDING INTERSECTION TO PAVEMENT JOINT BEFORE SR 1322 (BEAR CK PL) MILEPOST 4.20-5.730	3	2		NO	NO	1.53	23'-24'						400		2,083			125						
TOTAL FOR PROJ NO. 10CR.20841.55										**1.53**							**400**		**2,083**			**125**						
10CR.20841.56	Stanly	4	SR 1210 (MISSION CH RD)	FROM SR 1134 (RUNNING CK CH RD) TO SR 1206 (FIVE POINTS RD) MILEPOST 0 - 1.68	3	2		NO	NO	1.68	22'-24'						250		2,097			126						
TOTAL FOR PROJ NO. 10CR.20841.56										**1.68**							**250**		**2,097**			**126**						
10CR.20841.57	Stanly	5	SR 1474 (SALISBURY AVE)	FROM US 52 TO PAVEMENT CHANGE MILEPOST 0 - 0.38	4,5	2		NO	NO	0.38	22'-28'						5,573		521			31	150		4	2		
TOTAL FOR MAP NO. 5										**0.38**							**5,573**		**521**			**31**	**150**		**4**	**2**		
TOTAL FOR PROJ NO. 10CR.20841.57										**0.38**							**5,573**		**521**			**31**	**150**		**4**	**2**		
10CR.20841.58	Stanly	6	SR 1542 (RIDGE ST)	PAVEMENT JOINT BEFORE (SR 1650) NE CONNECTOR TO NEW PAVEMENT JOINT MILEPOST 1.1 - 1.85	6	2		NO	NO	0.75	24'-34'	75	38	1.50			13,500		1,212	50		76	120					160
TOTAL FOR PROJ NO. 10CR.20841.58										**0.75**		**75**	**38**	**1.50**			**13,500**		**1,212**	**50**		**76**	**120**					**160**
GRAND TOTAL										**10.21**		**795**	**373**	**13.24**	**25,473**	**19,073**	**1,200**	**4,135**	**13,524**	**250**	**2,558**	**1,177**	**1,320**	**45**	**4**	**3**	**1,000**	**1,520**

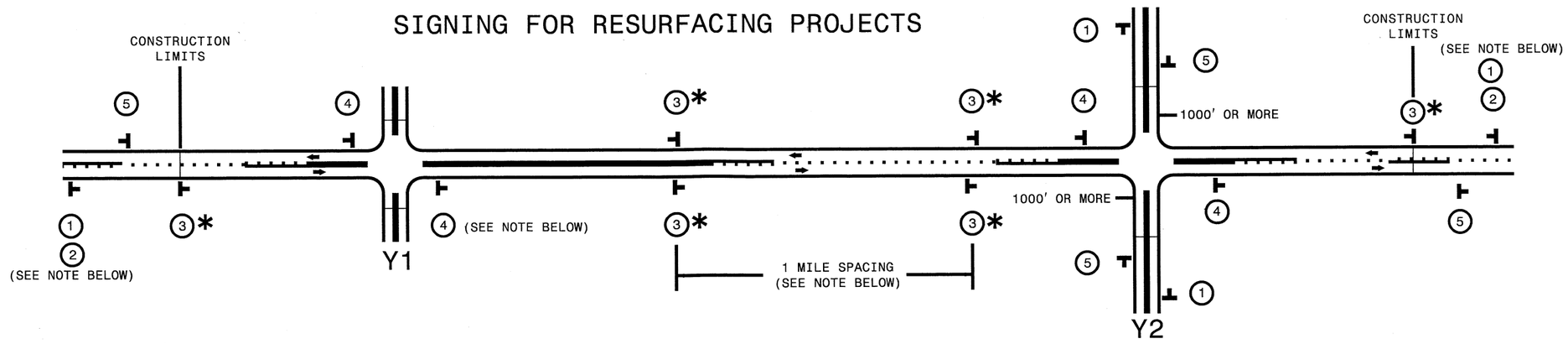
PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10841.42, 10CR.10841.43	10	
10CR.20841.55, ETC.		

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E WORK ZONE ADV/GEN. WARNING SIGNING SF	4457000000-N TEMPORARY TRAFFIC CONTROL LS	4510000000-N LAW ENFORCEMENT HR	4685000000-E 4" X 90 M WHITE THERMO LF	4686000000-E 4" X 120 M YELLOW THERMO LF	4686000000-E 4" X 120 M WHITE THERMO LF	4710000000-E 24" X 120 M WHITE THERMO LF	4770000000-E COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE II (4") LF	4810000000-E 4" YELLOW PAINT LF	4850000000-E 4" LINE REMOVAL LF	4900000000-N YELLOW & YELLOW MARKERS EA
10CR.10841.42	Stanly	1	US 52	FROM SR 1744 (SNUGGS RO TO SR 1821 (DEERHAVEN DR) MILEPOST 6.55 - 8.25	1	2		1.67	25'-26'	118	1		17,969	11,022	80	20		17,500		110
TOTAL FOR PROJ NO. 10CR.10841.42								**1.67**		**118**	**1**		**17,969**	**11,022**	**80**	**20**		**17,500**		**110**
														11,102		**20**				
10CR.10841.43	Stanly	2	NC 138	FROM SR 1935 (PLANK RD) TO SR 1970 (HILLS FORD RD) MILEPOST 1.94 - 6.14	2	2		4.2	22'-24'	278			45,192	27,720	80		1,400		1,400	277
TOTAL FOR PROJ NO. 10CR.10841.43								**4.2**		**278**			**45,192**	**27,720**	**80**		**1,400**		**1,400**	**277**
														27800						
10CR.20841.55	Stanly	3	SR 1134 (MILLINGPORT RD)	FROM SR 1249 (CANTON RD) INCLUDING INTERSECTION TO PAVEMENT JOINT BEFORE SR 1322 (BEAR CK PL) MILEPOST 4.20-5.730	3	2		1.53	23'-24'	118										
TOTAL FOR PROJ NO. 10CR.20841.55								**1.53**		**118**										
10CR.20841.56	Stanly	4	SR 1210 (MISSION CH RD)	FROM SR 1134 (RUNNING CK CH RD) TO SR 1206 (FIVE POINTS RD) MILEPOST 0 - 1.68	3	2		1.68	22'-24'	150										
TOTAL FOR PROJ NO. 10CR.20841.56								**1.68**		**150**										
10CR.20841.57	Stanly	5	SR 1474 (SALISBURY AVE)	FROM US 52 TO PAVEMENT CHANGE MILEPOST 0 - 0.38	4,5	2		0.38	22'-28'	108		10								
TOTAL FOR PROJ NO. 10CR.20841.57								**0.38**		**108**		**10**								
10CR.20841.58	Stanly	6	SR 1542 (RIDGE ST)	PAVEMENT JOINT BEFORE (SR 1650) NE CONNECTOR TO NEW PAVEMENT JOINT MILEPOST 1.1 - 1.85	6	2		0.75	24'-34'	86										
TOTAL FOR PROJ NO. 10CR.20841.58								**0.75**		**86**										
GRAND TOTAL								**10.21**		**858**	**1**	**10**	**63,161**	**38,742**	**160**	**20**	**1,400**	**17,500**	**1,400**	**387**
														38,902						

PROJ. REFERENCE NO.	SHEET NO.
10CR.10841.42– 10CR.20841.58	11

SIGNING FOR RESURFACING PROJECTS



LEGEND
- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

① ROAD WORK AHEAD W20-1 48" X 48"
② NEXT XX MILES W7-3aP 24" X 18"

PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.
ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

#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)

③* LOW/SOFT SHOULDER SP 13107 48" X 48"

PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.

④ ROAD UNDER CONST SP 13106 48" X 48"

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.

⑤ END ROAD WORK G20-2 A 48" X 24"

PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

-Y- LINE SIGNING

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.

ROAD WORK AHEAD W20-1 48" X 48" — PLACED 500' IN ADVANCE OF FLAGGER.

W20-7 A 48" X 48" — PLACED 250' IN ADVANCE OF FLAGGER.

* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS:
STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).

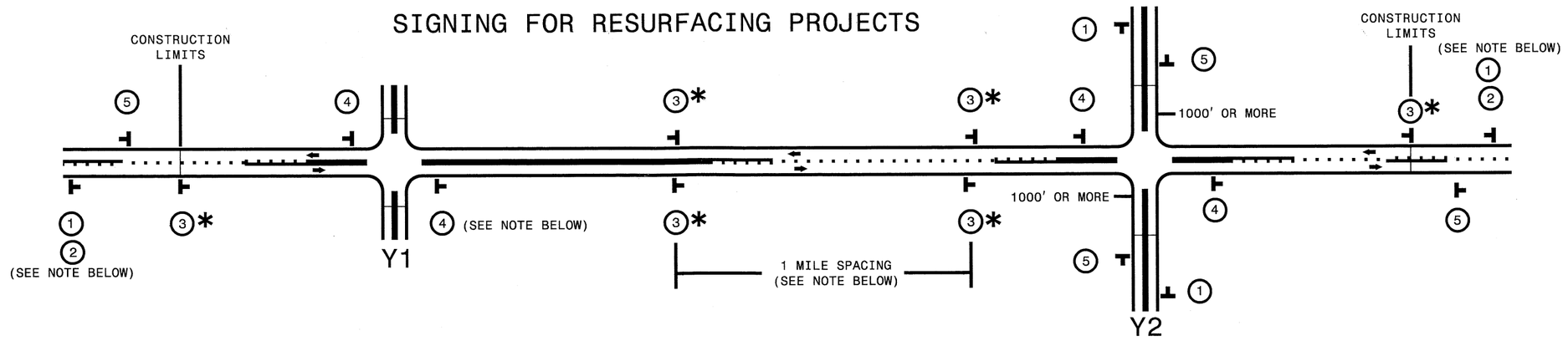
DIVISION OF HIGHWAYS • STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION • WORK ZONE TRAFFIC CONTROL

RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS

$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

PROJ. REFERENCE NO.	SHEET NO.
10CR.10841.42- 10CR.20841.58	12

SIGNING FOR RESURFACING PROJECTS



LEGEND
- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 2	ROAD WORK AHEAD W20-1 48" X 48" NEXT XX MILES W7-3aP 24" X 18"	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. #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)
3*	LOW/SOFT SHOULDER SP 13107 48" X 48"	PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET ½ MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.
4	ROAD UNDER CONST SP 13106 48" X 48"	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.
5	END ROAD WORK G20-2 A 48" X 24"	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.

-Y- LINE SIGNING

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.

ROAD WORK AHEAD W20-1 48" X 48" — PLACED 500' IN ADVANCE OF FLAGGER.

W20-7 A 48" X 48" — PLACED 250' IN ADVANCE OF FLAGGER.

* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS:
STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).

DIVISION OF HIGHWAYS • STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION • WORK ZONE TRAFFIC CONTROL

RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS

$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$

SIGN NUMBER: 11299
TYPE: B
QUANTITY: SEE PLANS

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

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

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

BACKG COLOR: Fluorescent Orange
COPY COLOR: Black

SYMBOL	X	Y	WID	HT

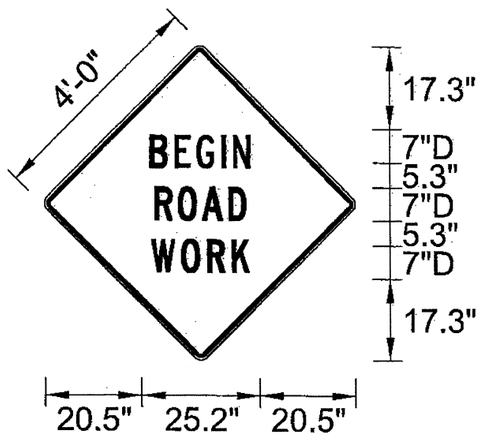
MAT'L: 0.125" (3.2 mm) ALUMINUM

USE NOTES: 1,2

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

DESIGN BY: WJ
PROJECT ID: ALL
CHECKED BY:
DIV: ALL
DATE: Jun 22, 2011

SP 11299



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

Spacing Factor is 1 unless specified otherwise

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

FILENAME: SP11299.PDF

NORTH CAROLINA D.O.T. SIGN DETAIL

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:

BACKG COLOR: Fluorescent Orange
COPY COLOR: Black

SYMBOL	X	Y	WID	HT

MAT'L: 0.080" (2.0 mm) ALUMINUM

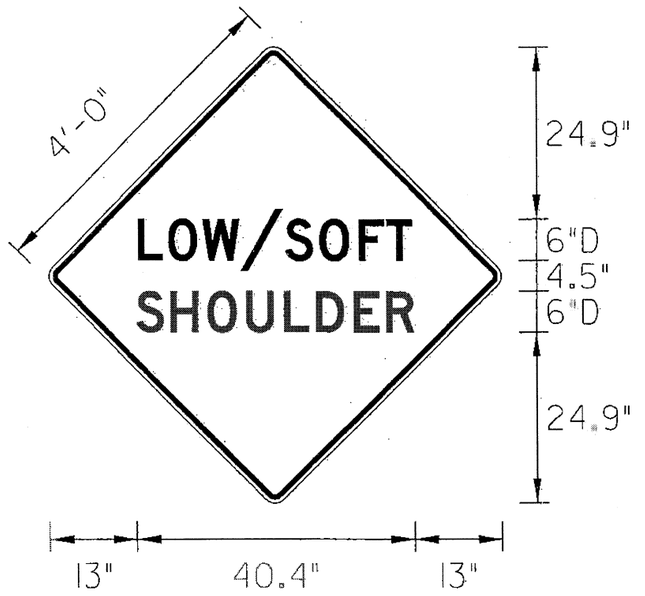
USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluoresent orange retroreflective sheeting.

DESIGN BY: B. RASHID
PROJECT ID:

CHECKED BY: AIA
DIV:

DATE: Apr 26, 2013



Spacing Factor is 1 unless specified otherwise

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

FILENAME: SP13OXX_Sgn_SGN_special

NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: SP13106 BACKG COLOR: Fluorescent Orange
TYPE: STATIONARY COPY COLOR: Black
QUANTITY: SEE PLANS

SYMBOL	X	Y	WID	HT

SIGN WIDTH: 4'-0"
HEIGHT: 4'-0"
TOTAL AREA: 16.00 Sq.Ft.

BORDER TYPE: INSET
RECESS: 0.75"
WIDTH: 1.25"
RADII: 3"

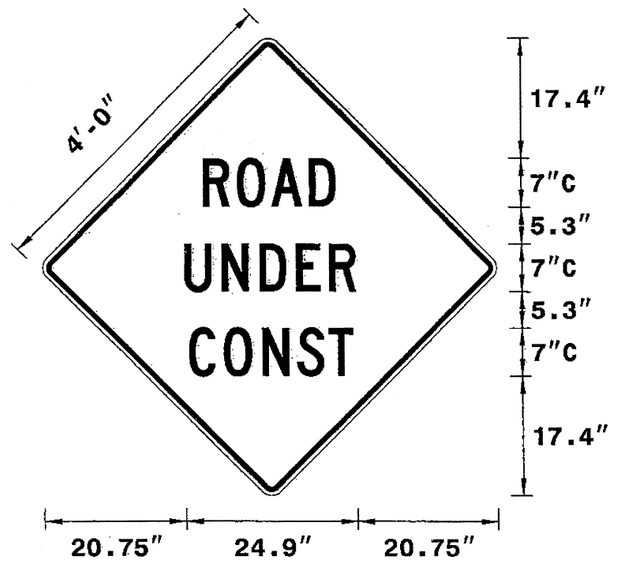
NO. Z BARS:
LENGTH:

MAT'L: 0.080" (2.0 mm) ALUMINUM

USE NOTES: 1,2

1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluoresent orange retroreflective sheeting.

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



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

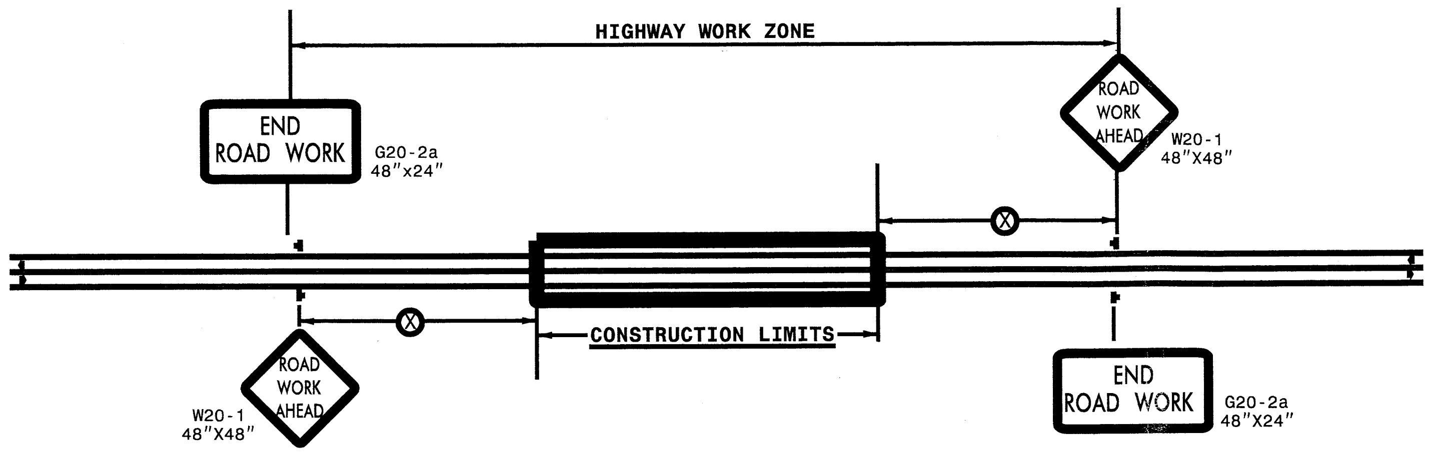
																										Series/Size Text Length
		R	O	A	D																					C 2000
	23.5	5	5	5.5	3.9	23.5																				19.3
		U	N	D	E	R																				C 2000
	20.7	5.5	5.5	5.3	4.8	3.9	20.7																			24.9
		C	O	N	S	T																				C 2000
	21.2	5.2	5.5	5.1	4.6	3.6	21.2																			23.9

FILENAME: SP130XX_Sgn_SGN_special

NORTH CAROLINA D.O.T. SIGN DETAIL

PROJ. REFERENCE NO.	SHEET NO.
10CR.10841.42, TIP. PROJECT	16

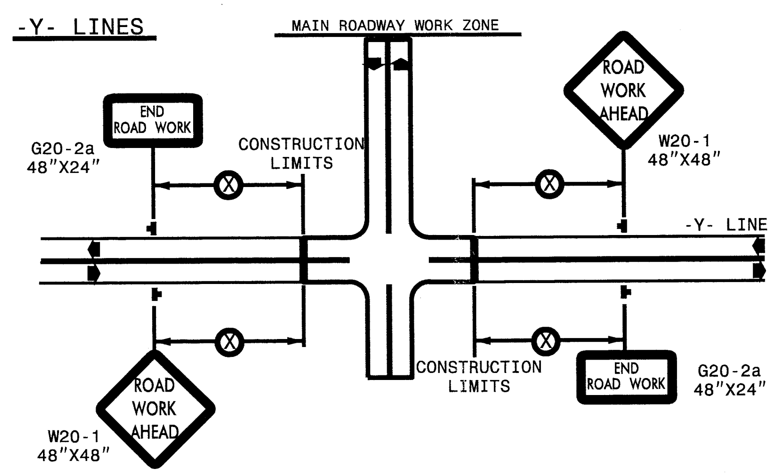
TWO-WAY UNDIVIDED ** (L-LINES)



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: ________

SEAL

DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS

SCALE:	NONE
DATE:	
DWG. BY:	
DESIGN BY:	
REVIEWED BY:	

REVISIONS	
7-98	10/01
10-98	03/04
01/01	11/04
CADD FILE	

$$$$$$SYSTIME$$$$$
$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$$$$
$$$$USERNAME$$$$