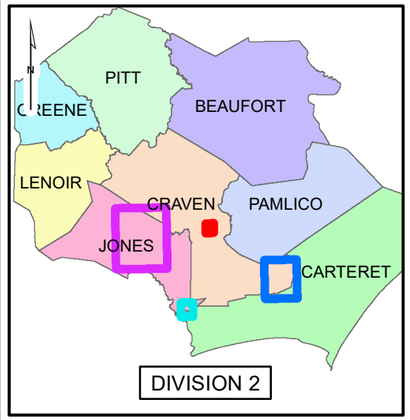


CRAVEN & JONES COUNTY

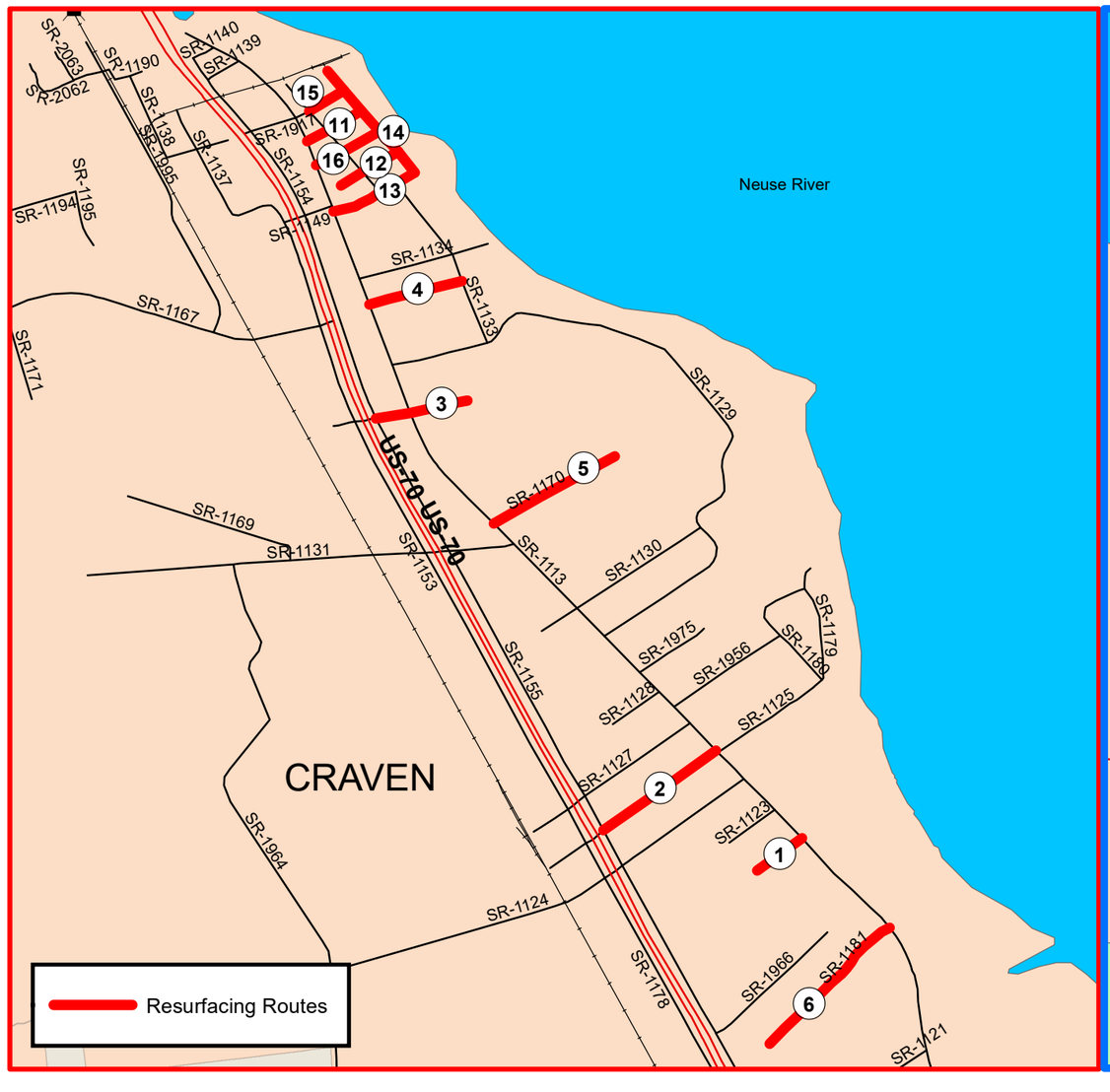
DB00501

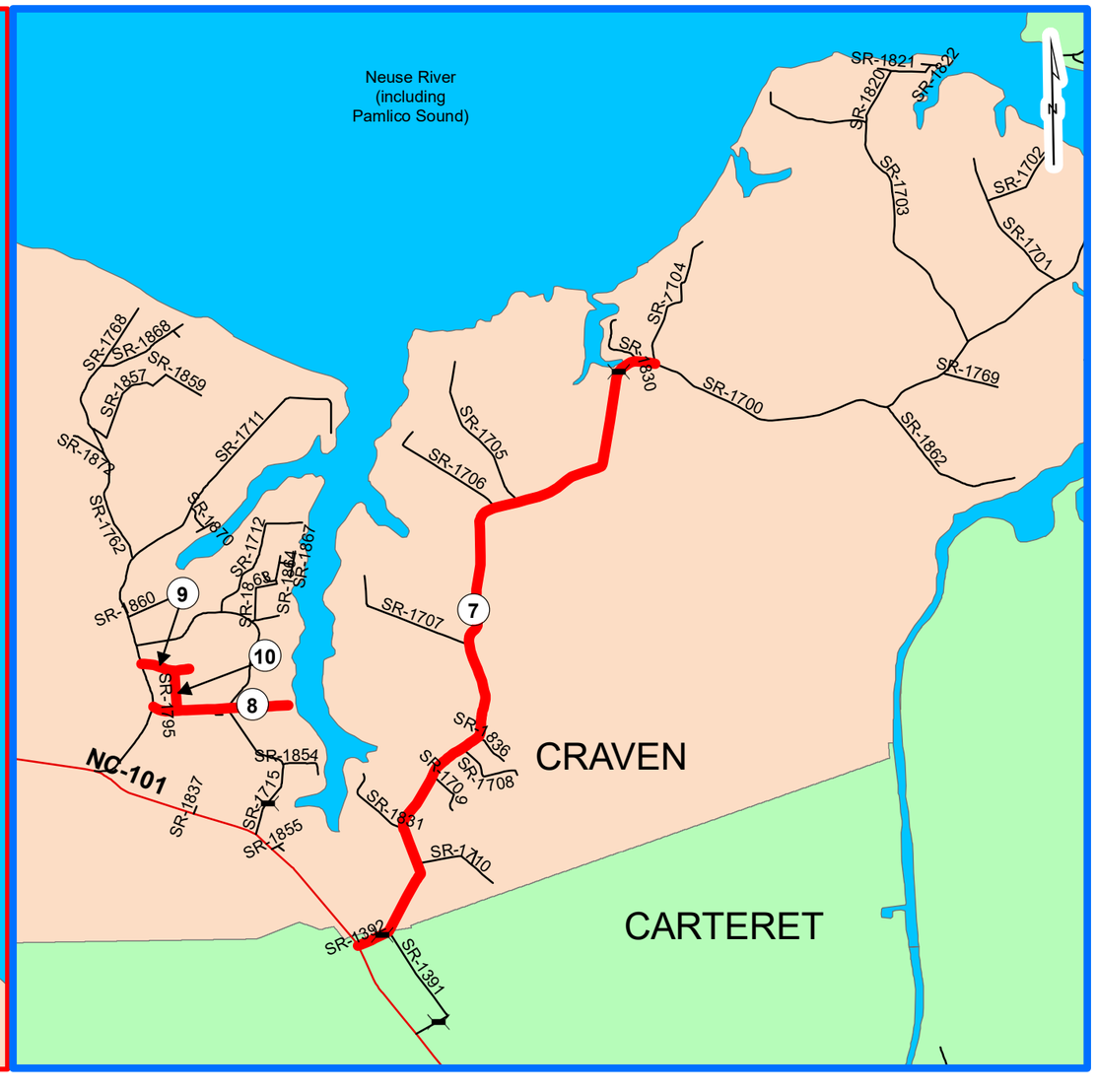
WBS# 2021CPT.02.28.20251
WBS# 2021CPT.02.29.20521

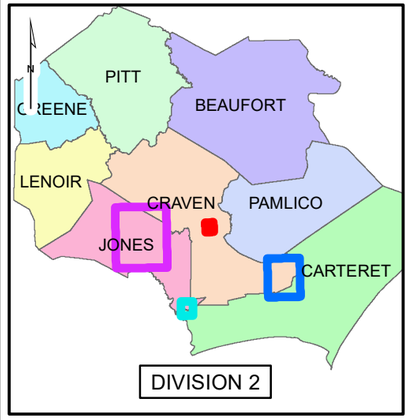
PROJECT REFERENCE NO.	SHEET NO.
DB00501	1

TYPE OF WORK: STRENGTHENING, RESURFACING, WIDENING, SHOULDER RECONSTRUCTION

NCDOT
DIVISION 2







CRAVEN & JONES COUNTY

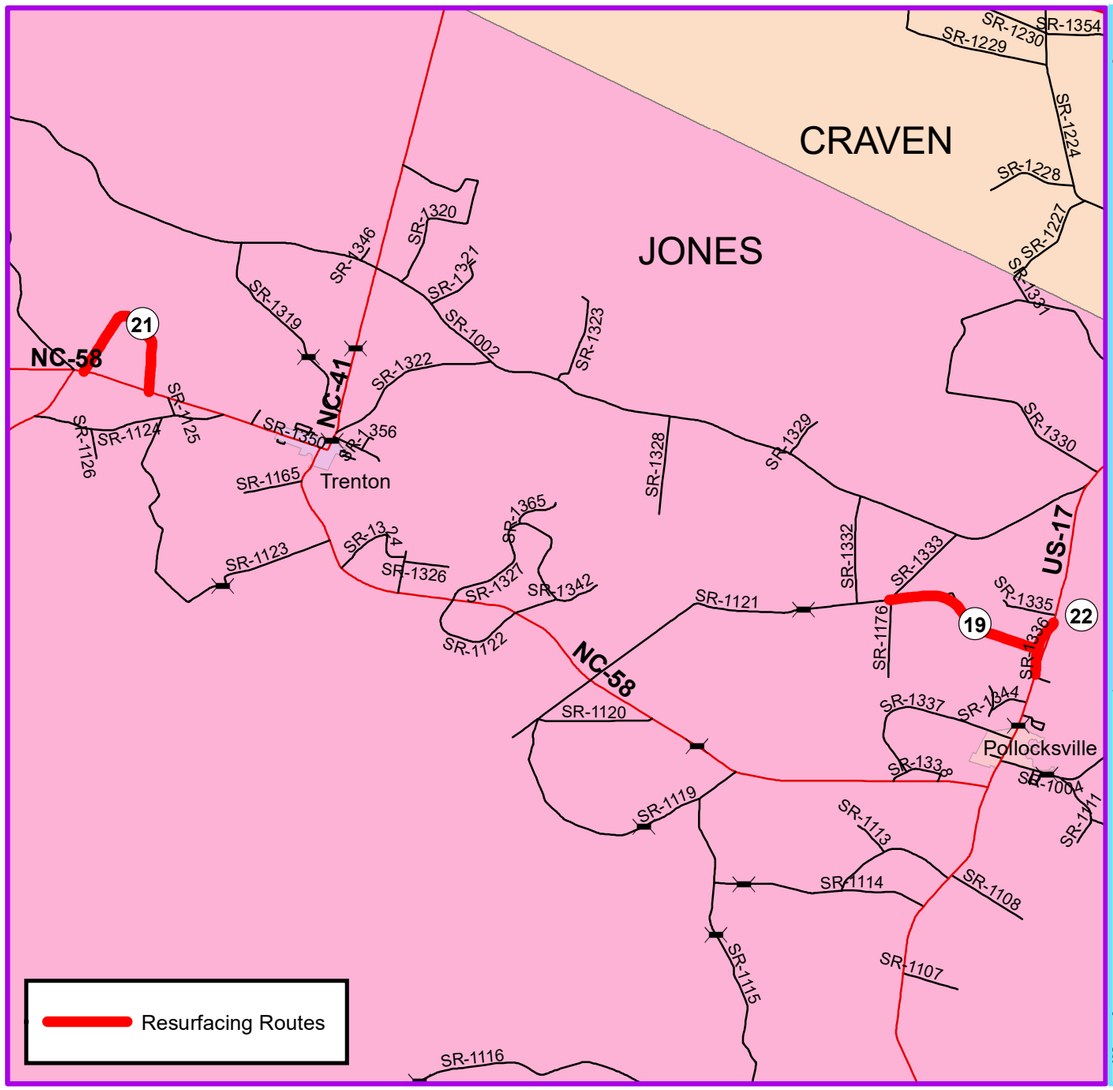
DB00501

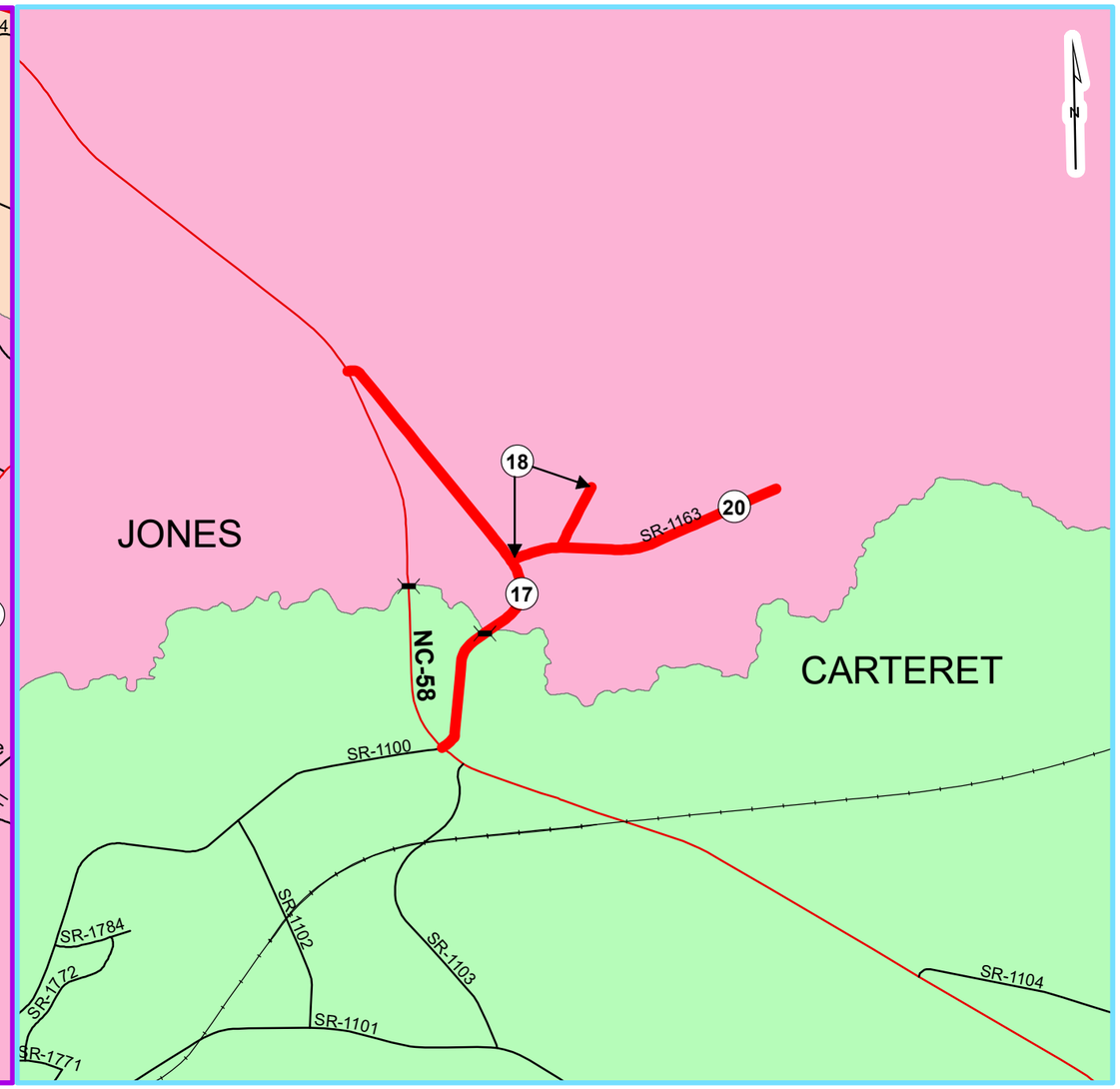
WBS# 2021CPT.02.28.20251
WBS# 2021CPT.02.29.20521

PROJECT REFERENCE NO.	SHEET NO.
DB00501	2

NCDOT
DIVISION 2

TYPE OF WORK: STRENGTHENING, RESURFACING, WIDENING, SHOULDER RECONSTRUCTION

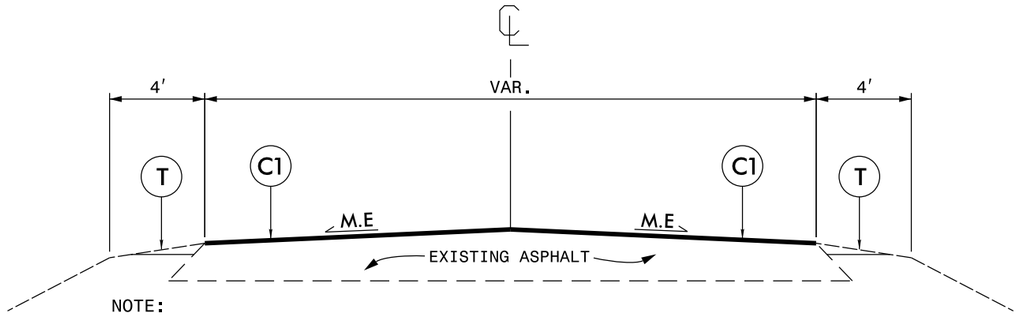




PROJECT REFERENCE NO.	SHEET NO.
DB00501	3

TYPICAL SECTION NO. 1

MAP 1–6, 8–16, 19

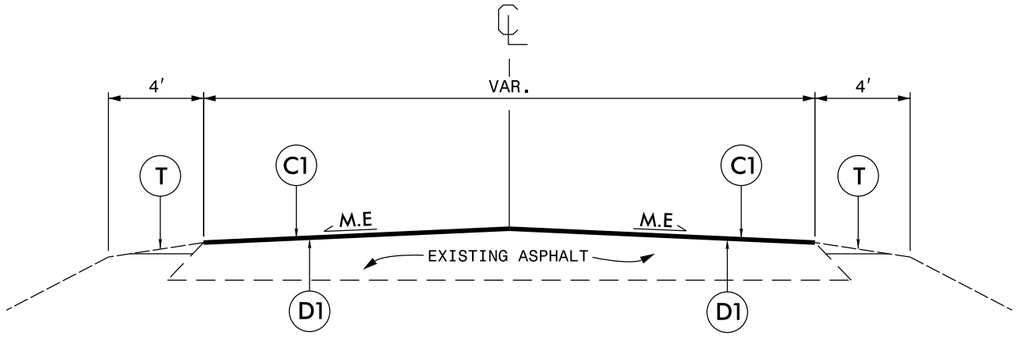


NOTE:

1. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
2. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
3. PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.
4. MAPS 13, 14: SEE SHEET 5 FOR 4″ MILL PATCH LOCATIONS.
5. MAPS 11-14, 16: TIE ASPHALT INTO EXISTING ASPHALT CURB. NO SHOULDER RECONSTRUCTION WILL BE REQUIRED IN SECTIONS WITH ASPHALT CURB.

TYPICAL SECTION NO. 2

MAP 22



NOTE:

1. PLACE ASPHALT INTERMEDIATE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT.
2. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT.
3. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
4. PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.

PAVEMENT SCHEDULE

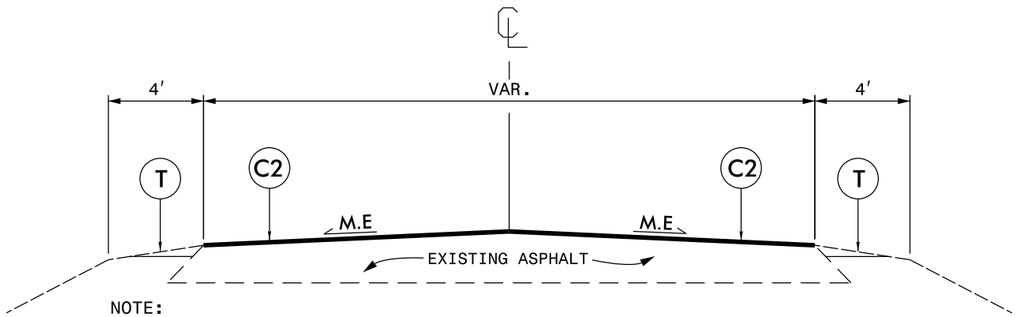
C1	PROP. APPROX. 1 1/2″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 3/4″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 192.5 LBS. PER SQ. YD.
C3	PROP. APPROX. 2″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, IN TWO LIFTS AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER LIFT.
D1	PROP. APPROX. 2 1/2″ ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285.0 LBS. PER SQ. YD.
E1	PROP. APPROX. 6″ ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 684.0 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION.
V1	INCIDENTAL MILLING.

DRAWINGS NOT TO SCALE

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

TYPICAL SECTION NO. 3

MAP 17, 20, 21

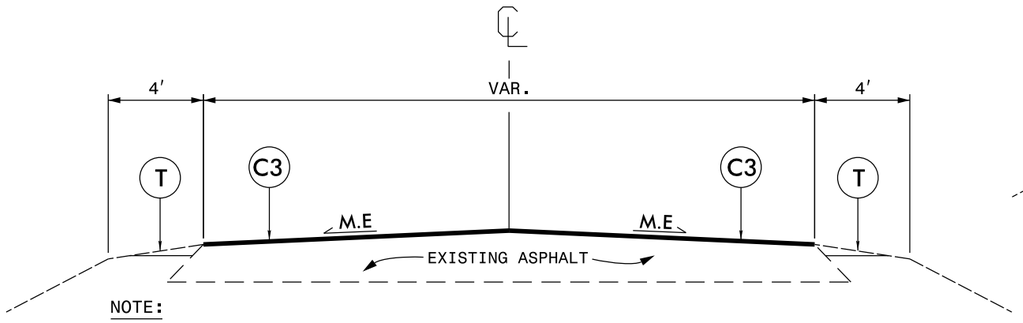


NOTE:

1. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
2. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
3. PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.
4. MAP 21: SEE SHEET 5 FOR STRENGTHENING - I19.0C LOCATION.

TYPICAL SECTION NO. 4

MAP 18



NOTE:

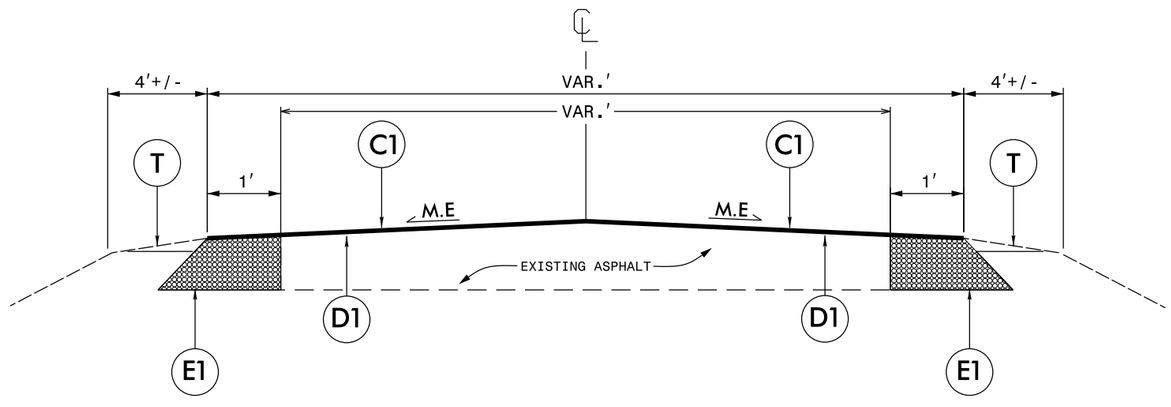
1. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
2. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
3. PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 3/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 192.5 LBS. PER SQ. YD.
C3	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, IN TWO LIFTS AT AN AVERAGE RATE OF 110 LBS. PER SQ. YD. PER LIFT.
D1	PROP. APPROX. 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285.0 LBS. PER SQ. YD.
E1	PROP. APPROX. 6" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 684.0 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION.
V1	INCIDENTAL MILLING.
DRAWINGS NOT TO SCALE	

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

TYPICAL SECTION NO. 5

MAP 7



NOTE:

1. PLACE ASYMMETRICAL WIDENING, AS DIRECTED BY THE ENGINEER. MAKE FLUSH WITH THE EXISTING ASPHALT.
2. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
3. PLACE ASPHALT INTERMEDIATE COURSE AT FULL WIDTH, INCLUDING NEW WIDENING.
4. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH, INCLUDING NEW WIDENING.
5. PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.
6. REFER TO SHEET 5 FOR 2' WIDENING SECTION AND 4" MILL PATCH LOCATIONS.

PROJECT NO.	SHEET NO.	TOTAL NO.
DB00501	5	

SUMMARY OF QUANTITIES

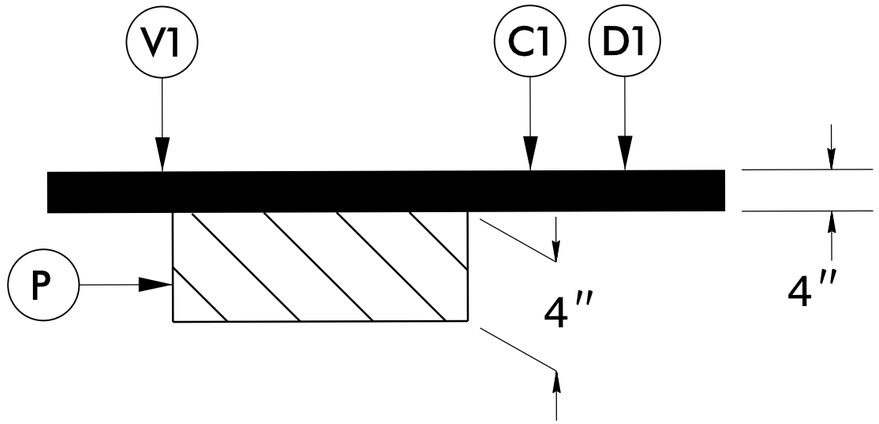
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0262000000-N HAULING NCDOT SUPPLIED SHOULDER MATERIAL	1220000000-E INCIDENTAL STONE BASE	1245000000-E SHOULDER RECONSTRUCTION	1330000000-E INCIDENTAL MILLING	1491000000-E BASE COURSE, B25.0C	1503000000-E INTERMEDIATE COURSE, I19.0C	1519000000-E SURFACE COURSE, S9.5B	1575000000-E ASPHALT BINDER FOR PLANT MIX	1880000000-E 4" DEPTH MILL PATCHING EXISTING PAVEMENT - B 25.0 C	2815000000-N ADJ. OF DROP INLET	2845000000-N ADJ. OF METER OR VALVE BOX	6000000000-E TEMPORARY SILT FENCE	6071010000-E WATTLE	6084000000-E SEED & MULCHING	6117000000-N RESPONSE FOR EROSION CONTROL	4413000000-E WORK ZONE ADVANCE/GENERAL WARNING SIGNING	4457000000-N TEMPORARY TRAFFIC CONTROL
										MI	FT	EA	TONS	SMI	SY	TONS	TONS	TONS	TONS	TON	EA	EA	LF	LF	AC	EA	SF	LS
2021CPT.02.28.20251	Craven	1	SR 1122 MAPLE ST	FROM DEAD END TO SR 1113	1	2	2WU	NO	NO	0.14	18	6	7	0.28				125	8						0.18		16	0.01
TOTAL FOR MAP NO. 1										**0.14**		**6**	**7**	**0.28**				**125**	**8**						**0.18**		**16**	**0.01**
2021CPT.02.28.20251	Craven	2	SR 1126 PINE ST	FROM SR 1155 TO SR 1113	1	2	2WU	NO	NO	0.25	18	10	13	0.50				230	15						0.31		28	0.02
TOTAL FOR MAP NO. 2										**0.25**		**10**	**13**	**0.50**				**230**	**15**						**0.31**		**28**	**0.02**
2021CPT.02.28.20251	Craven	3	SR 1132 PENDER ST	FROM SR 1155 TO DEAD END	1	2	2WU	NO	NO	0.15	18	6	8	0.30				150	10						0.19		18	0.01
TOTAL FOR MAP NO. 3										**0.15**		**6**	**8**	**0.30**				**150**	**10**						**0.19**		**18**	**0.01**
2021CPT.02.28.20251	Craven	4	SR 1135 ARMSTRONG AVE	FROM SR 1113 TO SR 1133	1	2	2WU	NO	NO	0.15	19	6	8	0.30				150	10						0.19		18	0.01
TOTAL FOR MAP NO. 4										**0.15**		**6**	**8**	**0.30**				**150**	**10**						**0.19**		**18**	**0.01**
2021CPT.02.28.20251	Craven	5	SR 1170 SELOVER AVE	FROM SR 1113 TO CUL-DE-SAC	1	2	2WU	NO	NO	0.27	18	11	14	0.54				285	19						0.34		32	0.02
TOTAL FOR MAP NO. 5										**0.27**		**11**	**14**	**0.54**				**285**	**19**						**0.34**		**32**	**0.02**
2021CPT.02.28.20251	Craven	6	SR 1181 SWISS RD	FROM DEAD END TO SR 1113	1	2	2WU	NO	NO	0.31	21	12	16	0.62				335	22						0.39		35	0.02
TOTAL FOR MAP NO. 6										**0.31**		**12**	**16**	**0.62**				**335**	**22**						**0.39**		**35**	**0.02**
2021CPT.02.28.20251	Craven	7	SR 1700 ADAMS CREEK RD	FROM NC 101 TO SR 1704	5	2	2WU	NO	NO	5.91	21	355	296	11.82	2,000	3,750	11,900	7,200	1,222	1,150			250	80	7.39	1	675	0.34
TOTAL FOR MAP NO. 7										**5.91**		**355**	**296**	**11.82**	**2,000**	**3,750**	**11,900**	**7,200**	**1,222**	**1,150**			**250**	**80**	**7.39**	**1**	**675**	**0.34**
2021CPT.02.28.20251	Craven	8	SR 1714 GODETTE SCHOOL RD	FROM SR 1711 TO END MAINTENANCE	1	2	2WU	NO	NO	0.97	20	39	49	1.94				975	65						1.21		110	0.06
TOTAL FOR MAP NO. 8										**0.97**		**39**	**49**	**1.94**				**975**	**65**						**1.21**		**110**	**0.06**
2021CPT.02.28.20251	Craven	9	SR 1770 CARTER RD	FROM SR 1711 TO END MAINTENANCE	1	2	2WU	NO	NO	0.34	18	14	17	0.68				325	22						0.43		38	0.02
TOTAL FOR MAP NO. 9										**0.34**		**14**	**17**	**0.68**				**325**	**22**						**0.43**		**38**	**0.02**
2021CPT.02.28.20251	Craven	10	SR 1795 BOONE RD	FROM SR 1714 TO SR 1770	1	2	2WU	NO	NO	0.34	20	14	17	0.68				350	23						0.43		38	0.02
TOTAL FOR MAP NO. 10										**0.34**		**14**	**17**	**0.68**				**350**	**23**						**0.43**		**38**	**0.02**
2021CPT.02.28.20251	Craven	11	SR 1912 FOREMAN ST	FROM SR 1113 TO SR 1916	1	2	2WU	NO	NO	0.09	25		5		100			125	8		2						10	0.01
TOTAL FOR MAP NO. 11										**0.09**			**5**		**100**			**125**	**8**		**2**						**10**	**0.01**
2021CPT.02.28.20251	Craven	12	SR 1914 GUM ST	FROM DEAD END TO SR 1916	1	2	2WU	NO	NO	0.10	25		5		100			135	9		2	1					12	0.01
TOTAL FOR MAP NO. 12										**0.10**			**5**		**100**			**135**	**9**		**2**	**1**					**12**	**0.01**
2021CPT.02.28.20251	Craven	13	SR 1915 VAIL ST	FROM SR 1113 TO SR 1916	1	2	2WU	NO	NO	0.16	24	6	8	0.32				180	12	50		1			0.20		18	0.01
TOTAL FOR MAP NO. 13										**0.16**		**6**	**8**	**0.32**				**180**	**12**	**50**		**1**			**0.20**		**18**	**0.01**
2021CPT.02.28.20251	Craven	14	SR 1916 VAIL ST	FROM DEAD END TO SR 1915	1	2	2WU	NO	NO	0.26	16	10	13	0.52				240	16	25		1			0.33		30	0.02
TOTAL FOR MAP NO. 14										**0.26**		**10**	**13**	**0.52**				**240**	**16**	**25**		**1**			**0.33**		**30**	**0.02**
2021CPT.02.28.20251	Craven	15	SR 1917 ELDER ST	FROM SR 1136 TO SR 1916	1	2	2WU	NO	NO	0.08	16	3	4	0.16				75	5						0.10		10	0.01
TOTAL FOR MAP NO. 15										**0.08**		**3**	**4**	**0.16**				**75**	**5**						**0.10**		**10**	**0.01**
2021CPT.02.28.20251	Craven	16	SR 1913 JAMES ST	FROM SR 1113 TO SR 1916	1	2	2WU	NO	NO	0.11	24		6		100			130	9		2						10	0.01
TOTAL FOR MAP NO. 16										**0.11**			**6**		**100**			**130**	**9**		**2**						**10**	**0.01**
TOTAL FOR PROJ NO. 2021CPT.02.28.20251										**9.63**		**492**	**486**	**19**	**2,300**	**3,750**	**11,900**	**11,010**	**1,475**	**1,225**	**6**	**3**	**250**	**80**	**12**	**1**	**1,098**	**0.60**
2021CPT.02.29.20521	Jones	17	SR 1100 HUNTER CREEK RD	FROM NC 58 TO NC 58	3	2	2WU	NO	NO	1.38	22	55	69	2.76	750			1,825	122				250	80	1.73	1	155	0.09
TOTAL FOR MAP NO. 17										**1.38**		**55**	**69**	**2.76**	**750**			**1,825**	**122**				**250**	**80**	**1.73**	**1**	**155**	**0.09**
2021CPT.02.29.20521	Jones	18	SR 1101 GREAT LAKE/HILL RD	FROM SR 1100 TO HILL RD END MAINTENANCE	4	2	2WU	NO	NO	0.35	20	14	18	0.70				550	37						0.44		40	0.02
TOTAL FOR MAP NO. 18										**0.35**		**14**	**18**	**0.70**				**550**	**37**						**0.44**		**40**	**0.02**
2021CPT.02.29.20521	Jones	19	SR 1121 OAK GROVE RD	FROM SR 1333 TO SR 1336	1	2	2WU	NO	NO	1.76	20	70	88	3.52				1,825	122						2.20		200	0.10
TOTAL FOR MAP NO. 19										**1.76**		**70**	**88**	**3.52**				**1,825**	**122**						**2.20**		**200**	**0.10**
2021CPT.02.29.20521	Jones	20	SR 1163 GREAT LAKE RD	FROM SR 1101 TO END MAINTENANCE	3	2	2WU	NO	NO	0.54	20	22	27	1.08				650	44						0.68		62	0.03
TOTAL FOR MAP NO. 20										**0.54**		**22**	**27**	**1.08**				**650**	**44**						**0.68**		**62**	**0.03**
2021CPT.02.29.20521	Jones	21	SR 1318 NOBLES LOOP RD	FROM NC 58 TO NC 58	3	2	2WU	NO	NO	1.99	20	80	100	3.98	200		350	2,450	181						2.49		225	0.12
TOTAL FOR MAP NO. 21										**1.99**		**80**	**100**	**3.98**	**200**		**350**	**2,450**	**181**						**2.49**		**225**	**0.12**
2021CPT.02.29.20521	Jones	22	SR 1136 KILLIS MURPHY RD	FROM US 17 TO US 17	2	2	2WU	NO	NO	0.66	20	26		1.32	100		1,150	675	100						0.83		75	0.04
TOTAL FOR MAP NO. 22										**0.66**		**26**		**1.32**	**100**		**1,150**	**675**	**100**						**0.83**		**75**	**0.04**
TOTAL FOR PROJ NO. 2021CPT.02.29.20521										**6.68**		**267**	**302**	**13.36**	**1,050**		**1,500**	**7,975**	**606**				**250**	**80**	**8.36**	**1**	**757**	**0.40**
GRAND TOTAL										**16.31**		**759**	**788**	**32.02**	**3,350**	**3,750**	**13,400**	**18,985**	**2,081**	**1,225**	**6**	**3**	**500**	**160**	**20.02**	**2**	**1,855**	**1**

MAP NO		2' WIDENING - B25.0C - 6"	STATION	STATION	LT	RT
7			242+60	244+83		2'
		4" FULL DEPTH PATCH - B25.0C				
7			13+25	14+42	10'	
7			15+87	16+66	7'	
7			21+23	22+39		7'
7			22+03	23+10	10'	
7			23+55	25+28		7'
7			24+44	24+80	7'	
7			103+17	104+00	10'	
7			119+85	120+82	7'	
7			125+95	135+36	7'	
7			132+86	133+48		7'
7			147+01	148+90		7'
7			164+00	165+52	7'	
7			167+43	171+02	7'	
7			182+20	184+53	7'	
7			187+94	192+10	7'	
7			190+00	191+65		7'
7			193+99	195+41	7'	
7			193+99	196+78		7'
7			199+05	200+74	7'	
7			201+37	202+67		7'
13			2+11	2+90	24'	
14			2+30	2+63	25'	
		STRENGTHENING - I19.0C - 2.5"				
21			52+80	62+80		

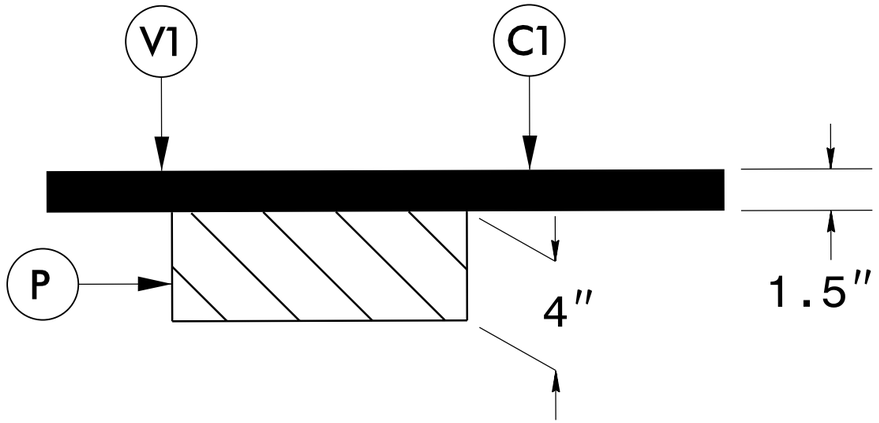
PROJECT REFERENCE NO.	SHEET NO.
DB00501	6

4" DEPTH MILL PATCHING DETAIL

MAP 7



MAP 13, 14



PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D1	PROP. APPROX. 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING.
P	4" DEPTH MILL PATCHING W/ B 25.0C
DRAWINGS NOT TO SCALE	

NOTE:

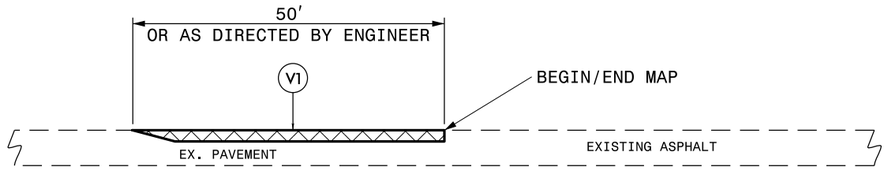
1. THE CONTRACTOR SHALL PERFORM ANY UNIFORM OR INCIDENTAL MILLING AT TIE-INS BEFORE PERFORMING THE 4" DEPTH MILL PATCHING.

2. THE CONTRACTOR SHALL PERFORM THE MILL PATCHING REMOVAL AND REPLACEMENT IN THE SAME DAY.

3. 4" DEPTH MILL PATCHING SHALL BE PERFORMED AT LOCATIONS AS SHOWN ON SHEET 10, AND AS DIRECTED BY THE ENGINEER.

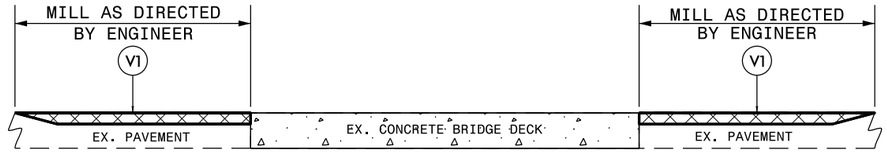
PROJECT REFERENCE NO.	SHEET NO.
DB00501	DIV2-1

MILLING TYPICALS



DETAIL 1
BEGIN/END MAP TIE-IN

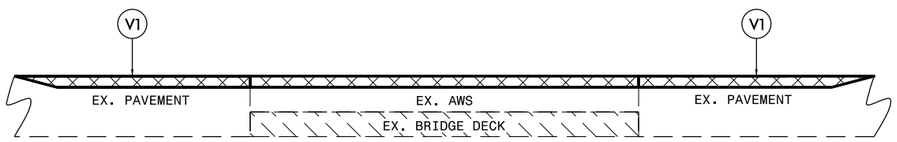
NOTE:
1. MILLING SHALL BE PERFORMED AT MAIN LINE TIE-INS AND Y-LINE TIE-INS AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.



DETAIL 2
BRIDGE MILLING

NOTE:

1. MILLING SHALL BE PERFORMED AT THE BRIDGE APPROACHES AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.

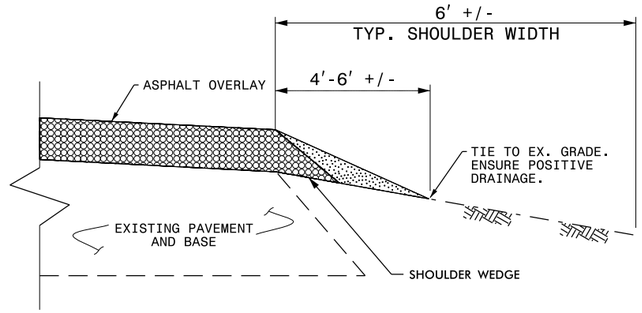


DETAIL 3
BRIDGE MILLING

NOTE:

1. INCLUDES MILLING FOR THE ENTIRE WIDTH OF THE BRIDGE WEARING SURFACE, AS DIRECTED BY THE ENGINEER.

SHOULDER RECONSTRUCTION TYPICAL



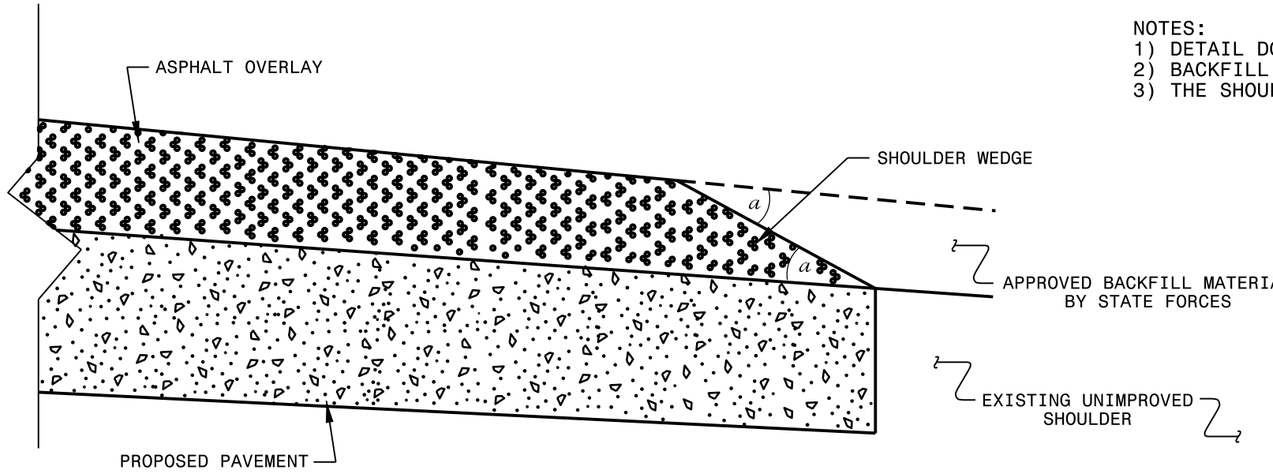
SHOULDER RECONSTRUCTION DETAIL

NOTE:

1. SHOULDERS SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE POSITIVE DRAINAGE AWAY FROM THE ROADWAY.
2. A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE EROSION. PULLING DITCHES OR CUTTING SHOULDERS TO GENERATE BORROW MATERIAL WILL NOT BE ALLOWED.
3. REQUIRED BORROW MATERIAL MAY BE OBTAINED FROM NCDOT STOCKPILES. ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.

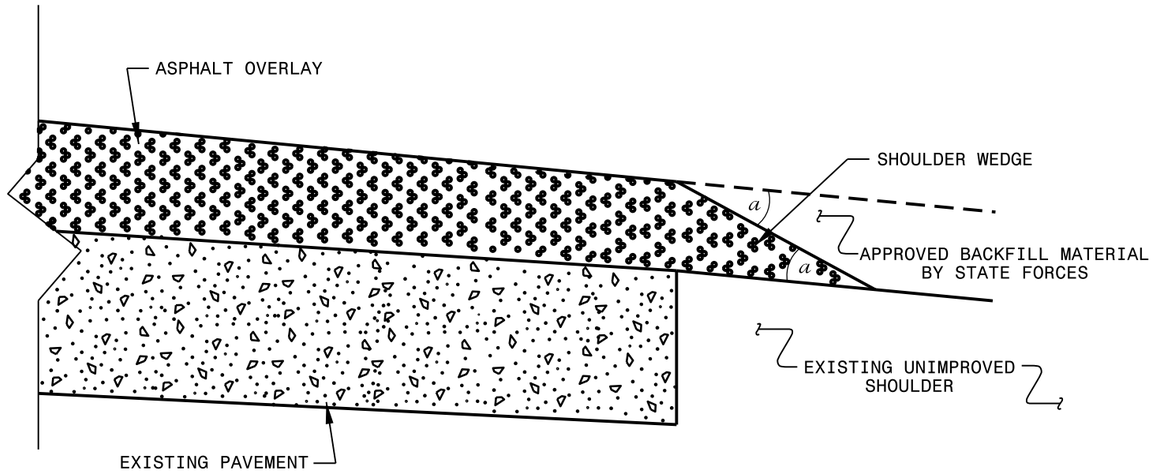
PROJECT REFERENCE NO.	SHEET NO.
DB00501	DIV2-2

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.



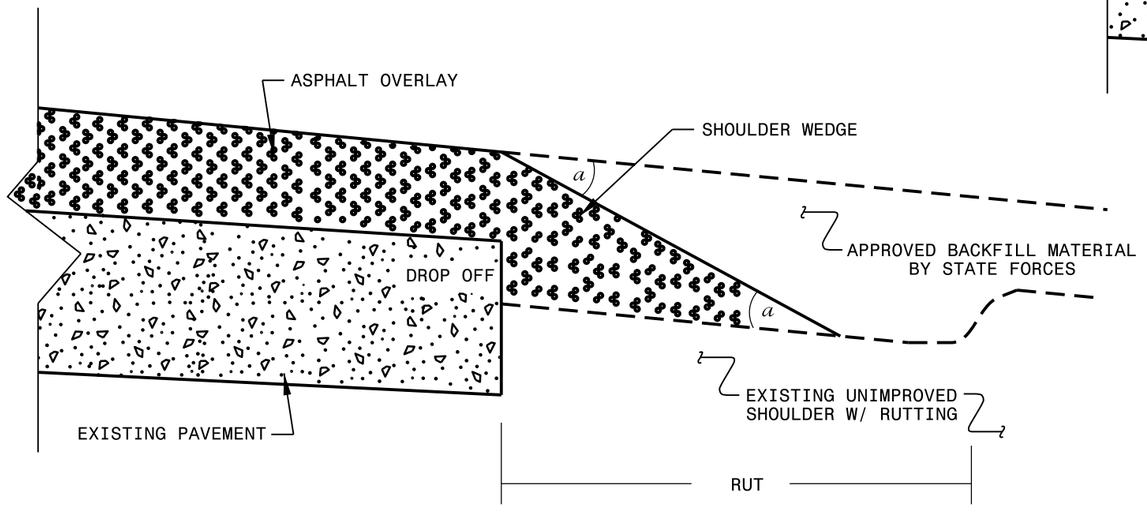
SHOULDER WEDGE DETAIL

(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:\usr\details\stand\shoulderwedgedetail.dgn		

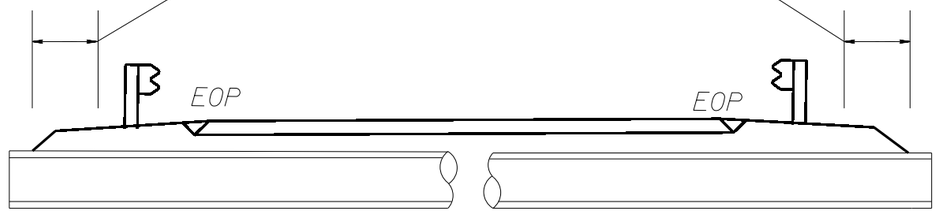
PROJECT REFERENCE NO.	SHEET NO.
DB00501	EC-1

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

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

EROSION CONTROL DETAIL

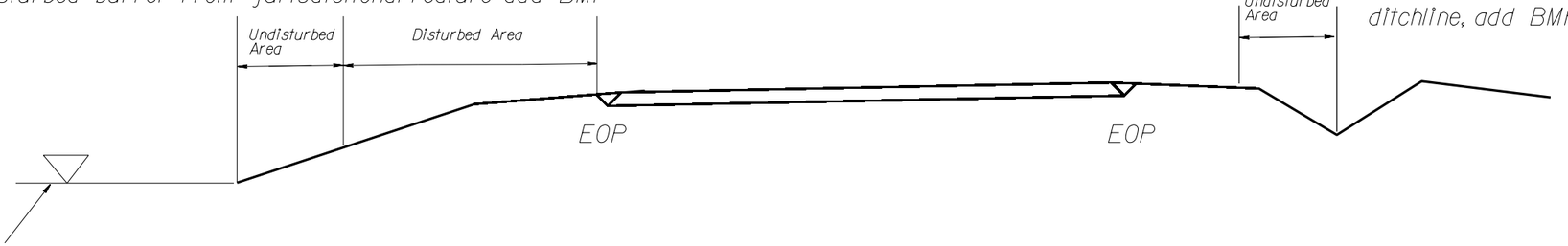
< 5' - 10' Undisturbed buffer add BMP



Pipe/Culvert

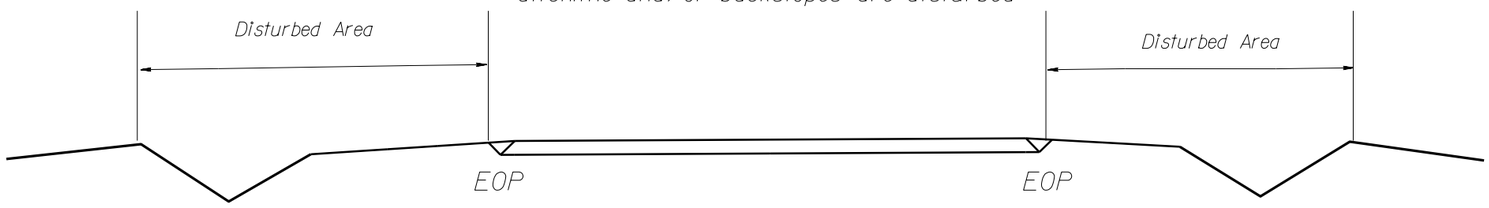
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP

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

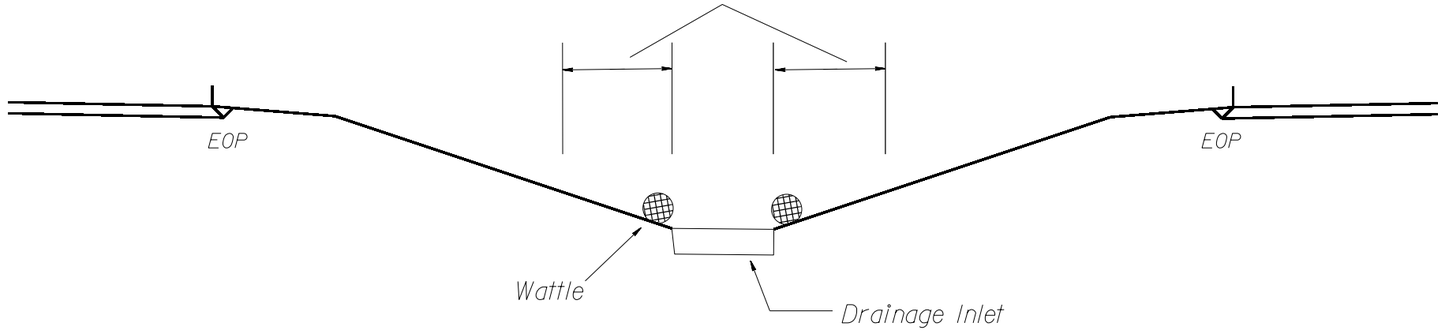


Jurisdictional Feature

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



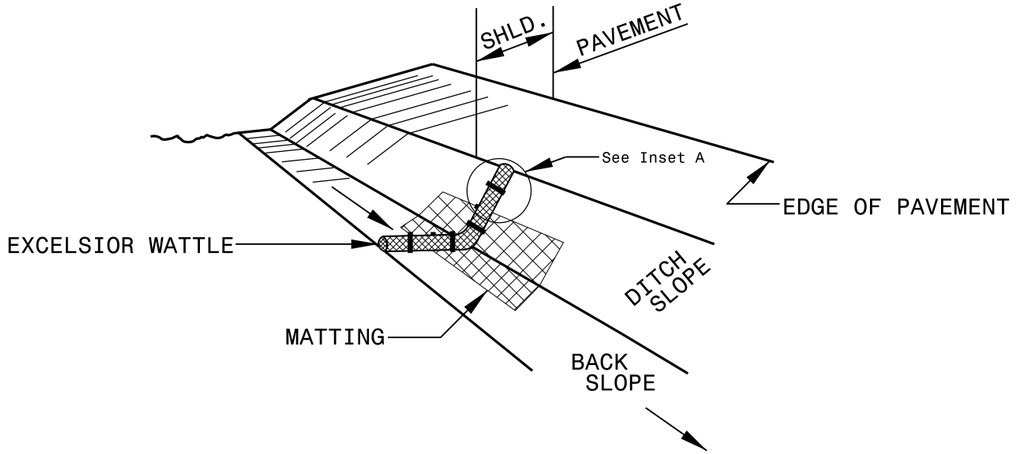
< 5' - 10' Undisturbed buffer from inlet, add wattle



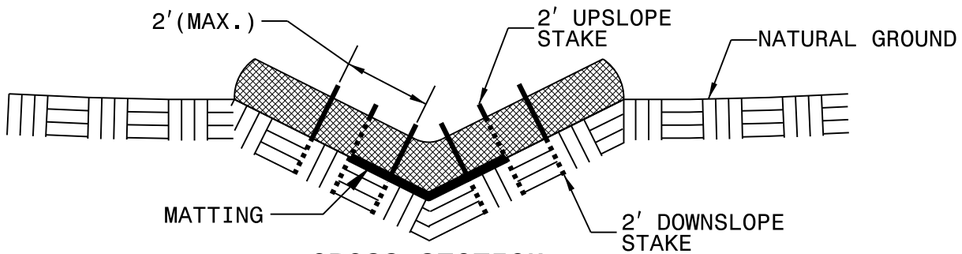
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
DB00501	EC-2

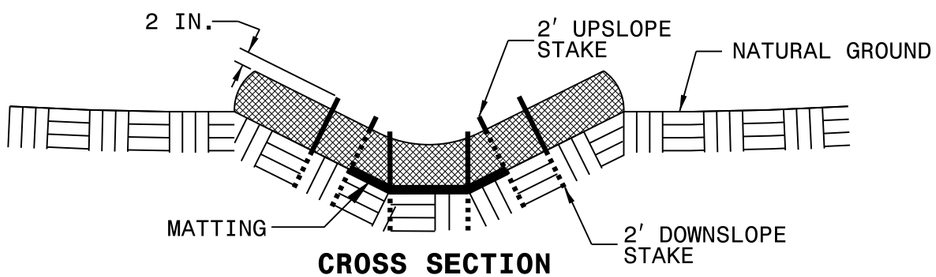
WATTLE DETAIL



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.

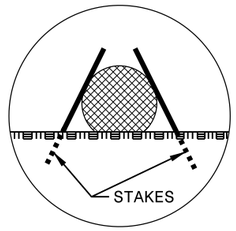
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

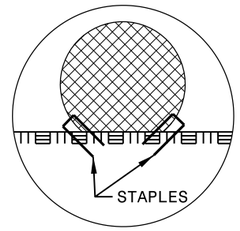
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

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

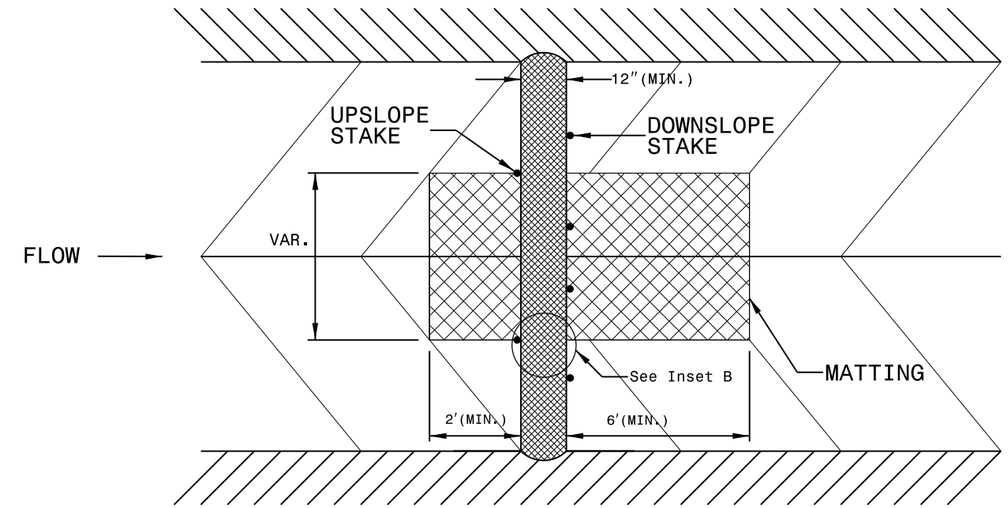
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B

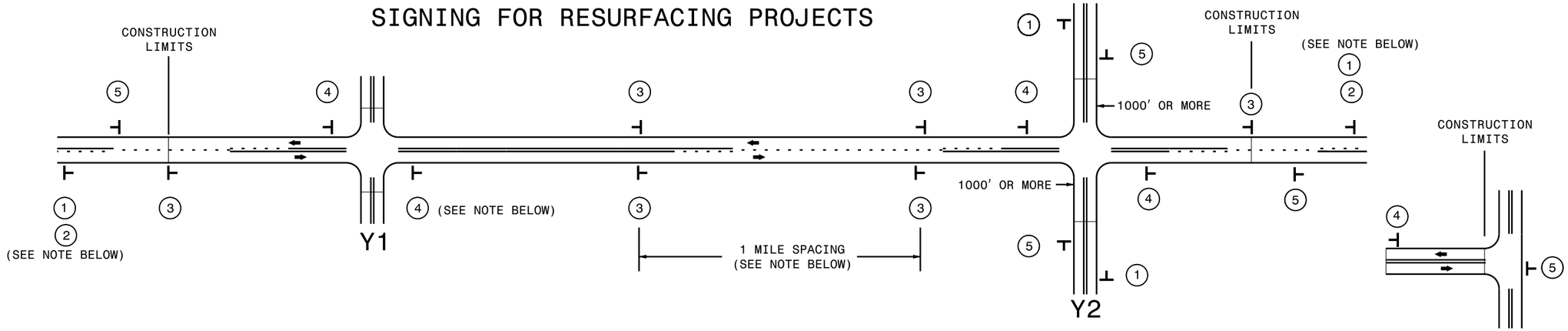


TOP VIEW

NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
DB0050I	TCP-1

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″	PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE.
2	NEXT XX MILES W7-3aP 24″ X 18″	#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 SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500′ +/- OF THE INTERSECTION ALONG -L- LINE.
5	END ROAD WORK G20-2 A 48″ X 24″	PLACE 500′ FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

-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.

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