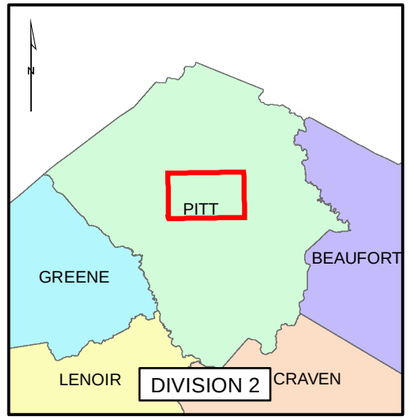


PITT COUNTY

DB00382

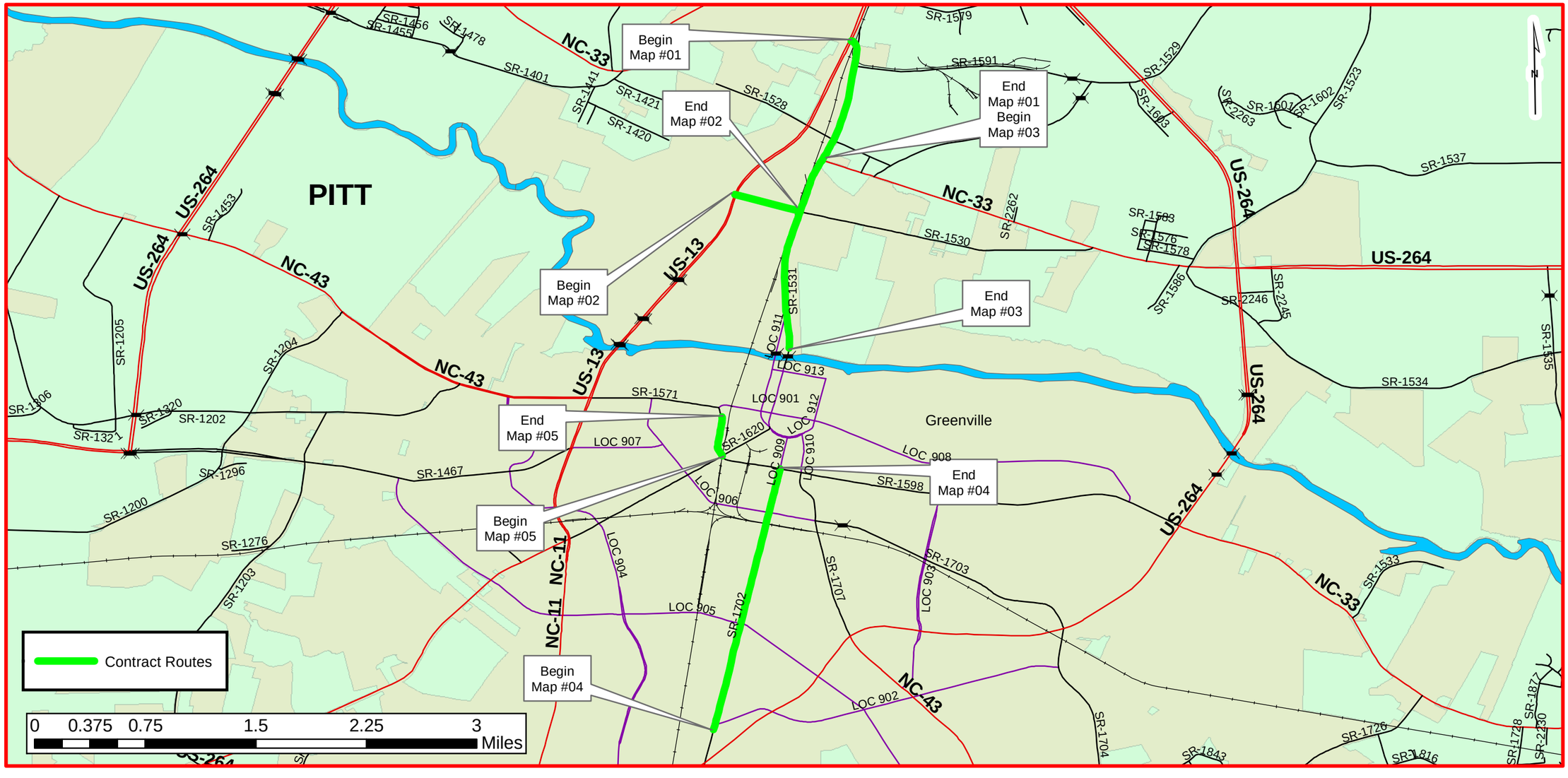
WBS# 2018CPT.02.24.10741
2018CPT.02.25.20741

PROJECT REFERENCE NO.	SHEET NO.
DB00382	1

LOCATION:
MAP 01 - NC 33 FROM SR 1531 TO US13/NC11
MAP 02 - SR 1530 FROM SR 1531 TO US 13 SOUTH
MAP 03 - SR 1531 FROM NC 33 TO THE GREEN STREET BRIDGE
MAP 04 - SR 1702 FROM RED BANKS ROAD TO SR 1598
MAP 05 - SR 1571 FROM 5TH STREET TO DICKINSON AVENUE

TYPE OF WORK: MILLING, PATCHING, RESURFACING, PAVEMENT MARKINGS, PAVEMENT MARKERS

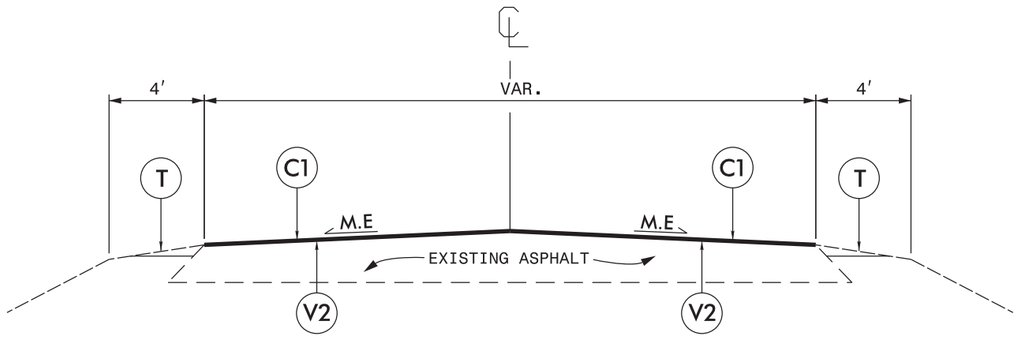
NCDOT
DIVISION 2



PROJECT REFERENCE NO.	SHEET NO.
DB00382	2

TYPICAL SECTION NO. 1

MAP 1



NOTE:

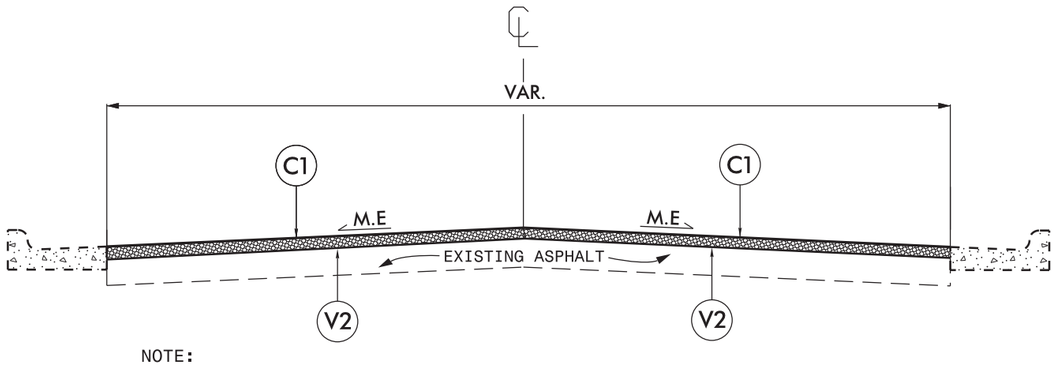
1. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
2. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
3. PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224.0 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 3/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 196.0 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
V1	INCIDENTAL MILLING.
V2	3" DEPTH MILLING FOR THE ENTIRE WIDTH OF ROADWAY
V3	2" DEPTH MILLING FOR THE ENTIRE WIDTH OF ROADWAY
DRAWINGS NOT TO SCALE	

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

TYPICAL SECTION NO. 2

MAP 2,3,4

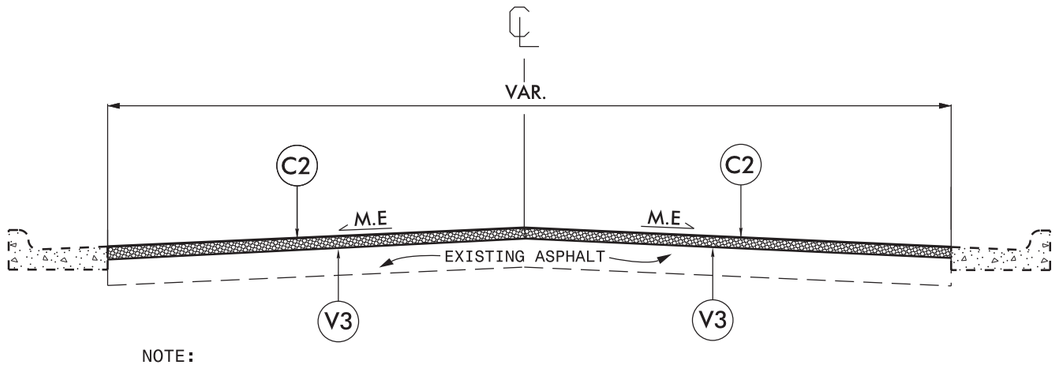


NOTE:

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. MAP 2 - 0 -1 1/2" MILLING AT OLD RIVER ROAD INTERSECTIONS.

TYPICAL SECTION NO. 3

MAP 5



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.

PROJECT NO.	SHEET NO.
DB00382	3

SUMMARY OF QUANTITIES

													0000930000-E	0262000000-N	1220000000-E	1245000000-E	1297000000-E			1330000000-E	1519000000-E	1575000000-E	2600000000-N	2830000000-N	2845000000-N	6000000000-E	6071010000-E	6084000000-E	6117000000-N
PROJECT NO	**COUNTY**	**MAP NO**	**ROUTE**	**DESCRIPTION**	**TYP NO**	**LANES**	**LANE TYPE**	**FINAL SURFACE TESTING REQUIRED**	**WARM MIX ASPHALT REQUIRED**	**LENGTH**	**WIDTH**		**2'6" CURB & GUTTER - REMOVE/REPLACE**	**HAULING NCDOT SUPPLIED SHOULDER MATERIAL**	**INCIDENTAL STONE BASE**	**SHOULDER RECONSTRUCTION**	**3" MILLING**	**1½" MILLING**	**2" MILLING**	**INCIDENTAL MILLING**	**SURFACE COURSE, S9.5B**	**ASPHALT BINDER FOR PLANT MIX**	**RETROFIT EXISTING CURB RAMP**	**ADJ. OF MANHOLES**	**ADJ. OF METER OR VALVE BOX**	**TEMPORARY SILT FENCE**	**WATTLE**	**SEED & MULCHING**	**RESPONSE FOR EROSION CONTROL**
										MI	**FT**		**LF**	**EA**	**TONS**	**SMI**	**SY**	**SY**	**SY**	**SY**	**TONS**	**TONS**	**EA**	**EA**	**EA**	**LF**	**LF**	**AC**	**EA**
2018CPT.02.24.10741	Pitt	1	NC 33	FROM SR 1531 TO US 13/NC 11	1	2	2WU	NO	NO	0.84	30			35	42	1.40	19,000			100	2,500	150		1	1	50	50	0.84	1
TOTAL FOR MAP NO. 1										**0.84**				**35**	**42**	**1.40**	**19,000**			**100**	**2,500**	**150**		**1**	**1**	**50**	**50**	**0.84**	**1**
TOTAL FOR PROJ NO. 2018CPT.02.24.10741										**0.84**				**35**	**42**	**1.40**	**19,000**			**100**	**2,500**	**150**		**1**	**1**	**50**	**50**	**0.84**	**1**
																	19,000												
2018CPT.02.25.20741	Pitt	2	SR 1530	FROM SR 1531 TO US13 S	2	5	MU	NO	NO	0.38	65						14,000	600		100	1,700	102	8						
TOTAL FOR MAP NO. 2										**0.38**							**14,000**	**600**		**100**	**1,700**	**102**	**8**						
2018CPT.02.25.20741	Pitt	3	SR 1531	FROM NC 33 TO BRIDGE	2	4	MU	NO	NO	1.30	45	65					34,000			100	4,000	240	4	1	1				
TOTAL FOR MAP NO. 3										**1.30**		**65**					**34,000**			**100**	**4,000**	**240**	**4**	**1**	**1**				
2018CPT.02.25.20741	Pitt	4	SR 1702	FROM US 264 ALT.TO SR 1598	2	5	MU	NO	NO	2.00	65						75,500			100	9,000	540		1	1				
TOTAL FOR MAP NO. 4										**2.00**							**75,500**			**100**	**9,000**	**540**		**1**	**1**				
2018CPT.02.25.20741	Pitt	5	SR 1571	FROM 5TH STREET TO DICKINSON AVE.	3	2	2WU	NO	NO	0.27	31				27				5,500	100	550	33						
TOTAL FOR MAP NO. 5										**0.27**					**27**				**5,500**	**100**	**550**	**33**						
TOTAL FOR PROJ NO. 2018CPT.02.25.20741										**3.95**		**65**			**27**		**123,500**	**600**	**5,500**	**400**	**15,250**	**915**	**12**	**2**	**2**				
																		129,600											
GRAND TOTAL										**4.79**		**65**		**35**	**69**	**1.40**	**142,500**	**600**	**5,500**	**500**	**17,750**	**1,065**	**12**	**3**	**3**	**50**	**50**	**0.84**	**1**
																		148,600											

Curb & Gutter Remove / Replace		
Station	Station	Length
20+59	20+79	20 FT
22+93	23+11	18 FT
28+34	28+58	24 FT

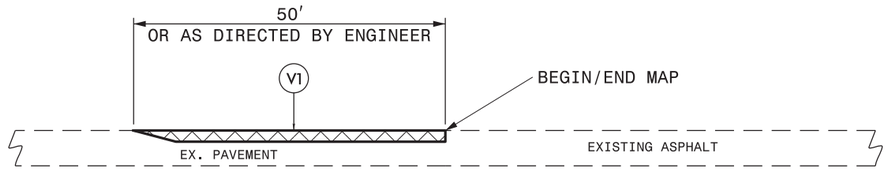
PROJECT NO.	SHEET NO.
DB00382	4

THERMOPLASTIC AND PAINT QUANTITIES

										4413000000-E	4457000000-N	4690000000-E		4702000000-E	4705000000-E	4710000000-E	4721000000-E		4725000000-E					4905000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	6" X 120 M YELLOW THERMO	6" X 120 M WHITE THERMO	12" X 120 M WHITE THERMO	16" X 120 M WHITE THERMO	24" X 120 M WHITE THERMO	THERMO RXR 120 M	THERMO MSG ONLY 120 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR & RT ARROW 90 M	THERMO STR & LT ARROW 90 M	THERMO STR ARROW 90 M	SNOW PLOWABLE MARKERS
								MI	FT	SF	LS	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA
2018CPT.02.24.10741	Pitt	1	NC 33	FROM SR 1531 TO US 13/NC 11	1	2	2WU	0.84	30	100	0.160	10,000			300	375	12	2	5	2	4	1		85
TOTAL FOR MAP NO. 1								**0.84**		**100**	**0.160**	**10,000**			**300**	**375**	**12**	**2**	**5**	**2**	**4**	**1**		**85**
TOTAL FOR PROJ NO. 2018CPT.02.24.10741								**0.84**		**100**	**0.160**	**10,000**			**300**	**375**	**12**	**2**	**5**	**2**	**4**	**1**		**85**
												10,000					**14**		**12**					
2018CPT.02.25.20741	Pitt	2	SR 1530	FROM SR 1531 TO US13 S	2	5	MU	0.38	65	130	0.090	5,200	1,100		150	213	6	2	15	4			4	110
TOTAL FOR MAP NO. 2								**0.38**		**130**	**0.090**	**5,200**	**1,100**		**150**	**213**	**6**	**2**	**15**	**4**			**4**	**110**
2018CPT.02.25.20741	Pitt	3	SR 1531	FROM NC 33 TO BRIDGE	2	4	MU	1.30	45	130	0.300	14,000	3,500			100			3		5	1	5	265
TOTAL FOR MAP NO. 3								**1.30**		**130**	**0.300**	**14,000**	**3,500**			**100**			**3**		**5**	**1**	**5**	**265**
2018CPT.02.25.20741	Pitt	4	SR 1702	FROM US 264 ALT.TO SR 1598	2	5	MU	2.00	65	130	0.390	30,000	5,500	800	200	625	4	2	90	10	20		20	570
TOTAL FOR MAP NO. 4								**2.00**		**130**	**0.390**	**30,000**	**5,500**	**800**	**200**	**625**	**4**	**2**	**90**	**10**	**20**		**20**	**570**
2018CPT.02.25.20741	Pitt	5	SR 1571	FROM 5TH STREET TO DICKINSON AVE.	3	2	2WU	0.27	31	35	0.060	3,000				15								
TOTAL FOR MAP NO. 5								**0.27**		**35**	**0**	**3,000**				**15**								
TOTAL FOR PROJ NO. 2018CPT.02.25.20741								**3.95**		**425**	**1**	**52,200**	**10,100**	**800**	**350**	**953**	**10**	**4**	**108**	**14**	**25**	**1**	**29**	**945**
												62,300					**14**		**177**					
GRAND TOTAL								**4.79**		**525**	**1**	**62,200**	**10,100**	**800**	**650**	**1,328**	**22**	**6**	**113**	**16**	**29**	**2**	**29**	**1,030**
												72,300					**28**		**189**					

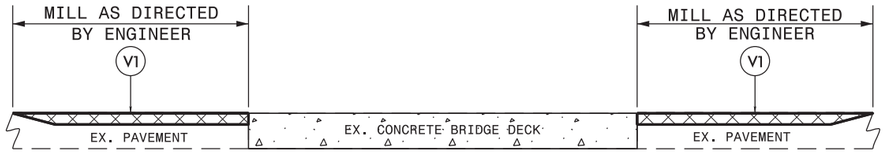
PROJECT REFERENCE NO.	SHEET NO.
DB00382	DIV2-1

MILLING TYPICALS



DETAIL 1
BEGIN/END MAP TIE-IN

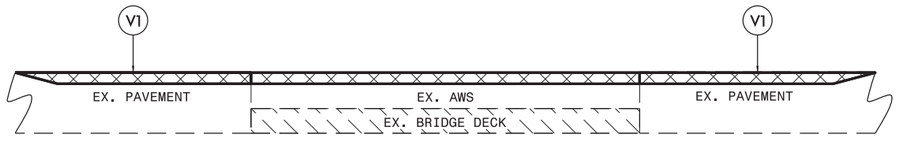
NOTE:
1. MILLING SHALL BE PERFORMED AT MAIN LINE TIE-INS AND Y-LINE TIE-INS AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.



DETAIL 2
BRIDGE MILLING

NOTE:

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

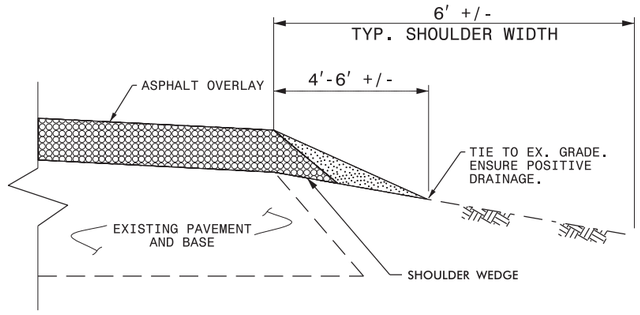


DETAIL 3
BRIDGE MILLING

NOTE:

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

SHOULDER RECONSTRUCTION TYPICAL

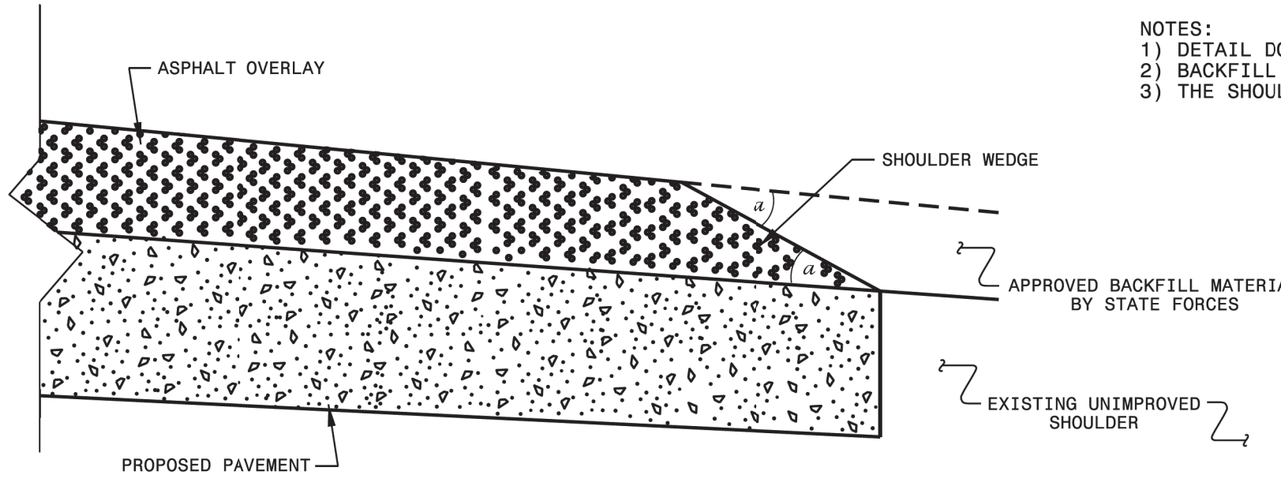


SHOULDER RECONSTRUCTION DETAIL

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.

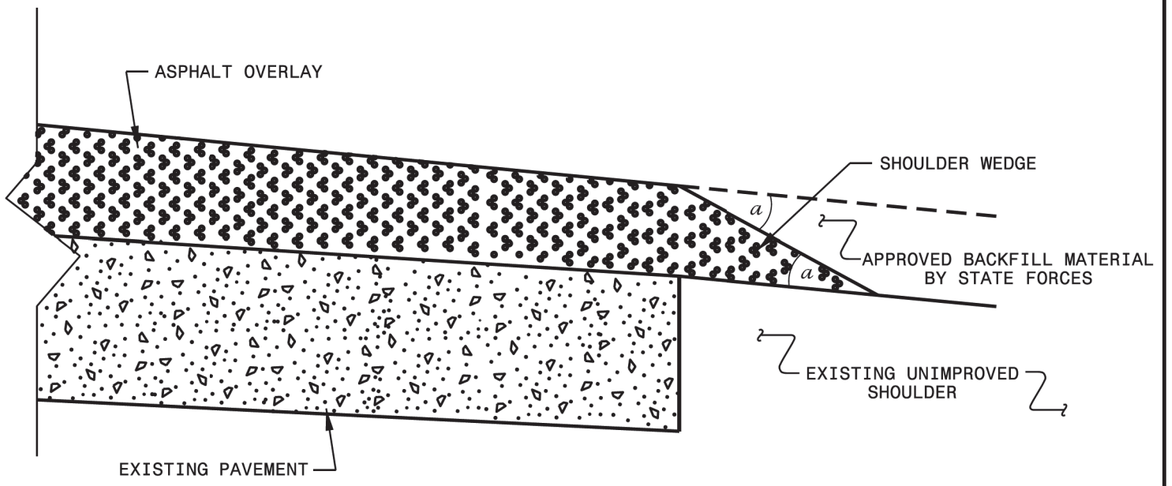
PROJECT REFERENCE NO.	SHEET NO.
DB00382	DIV2-2



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.

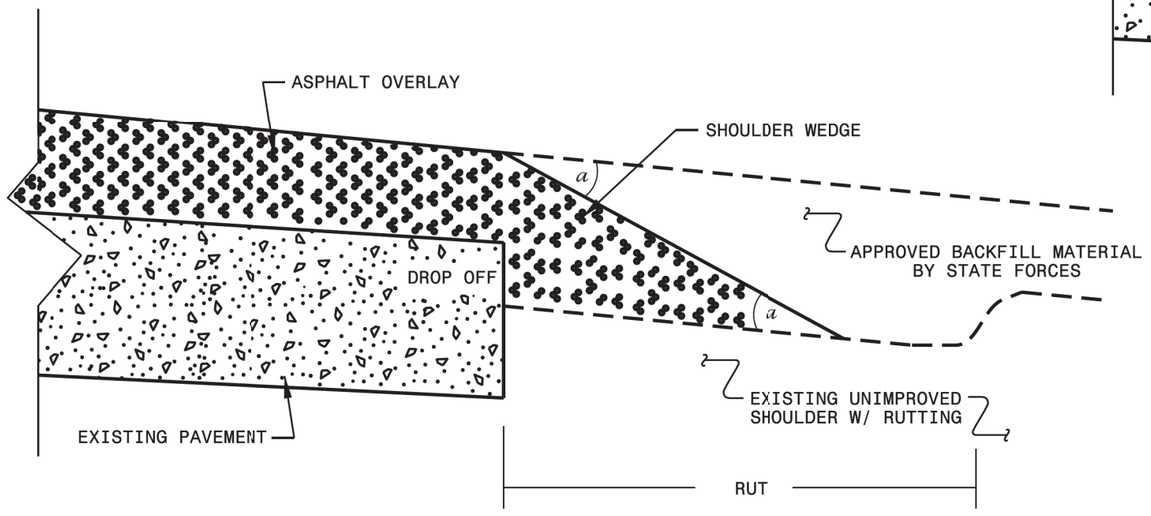
SHOULDER WEDGE DETAIL

(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

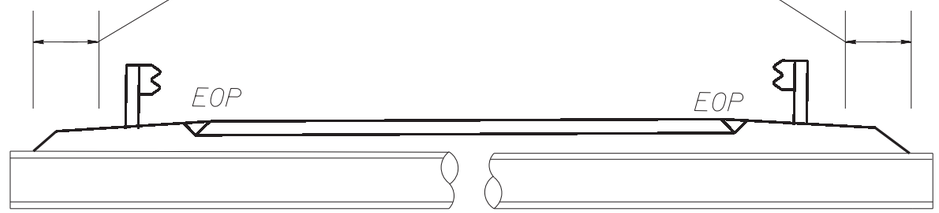
PROJECT REFERENCE NO.	SHEET NO.
DB00382	EC-1

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

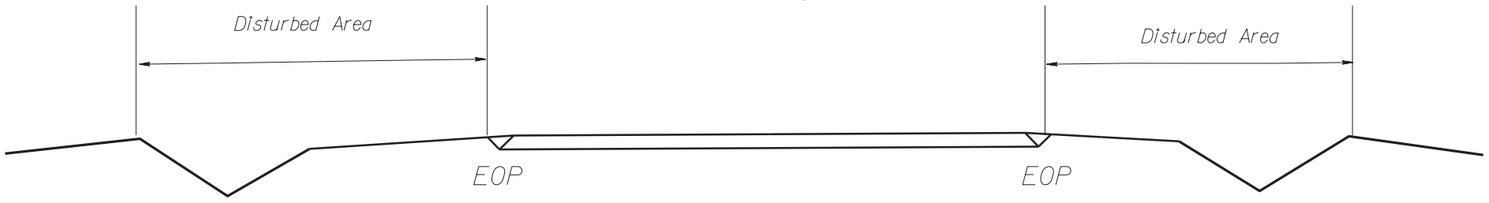


Pipe/Culvert

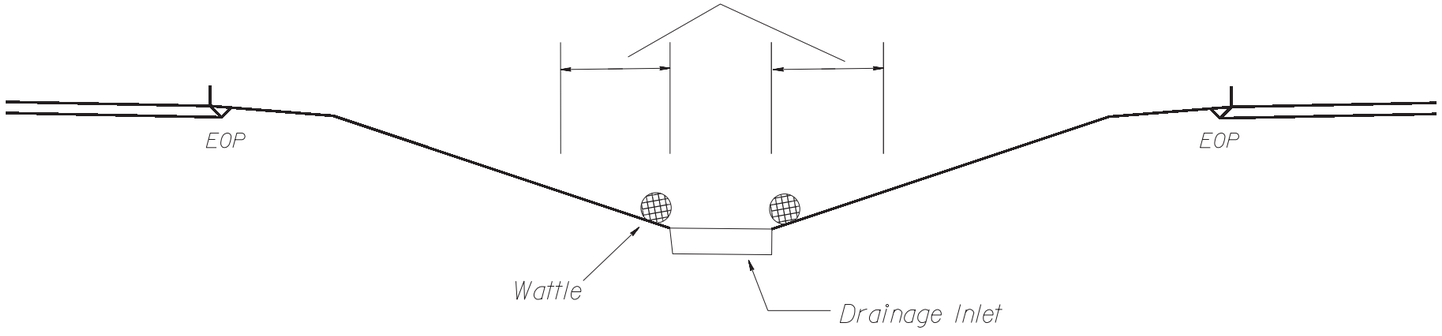
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP

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

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



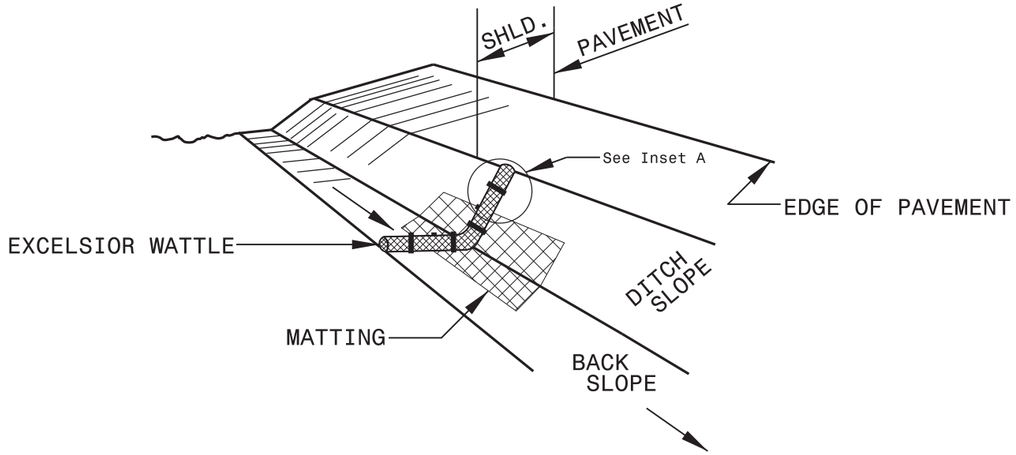
< 5' - 10' Undisturbed buffer from inlet, add wattle



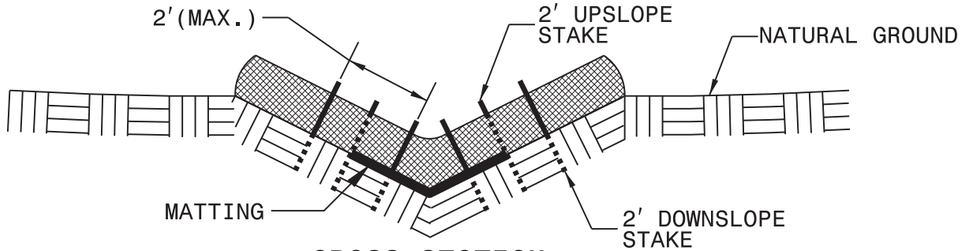
NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
DB00382	EC-2

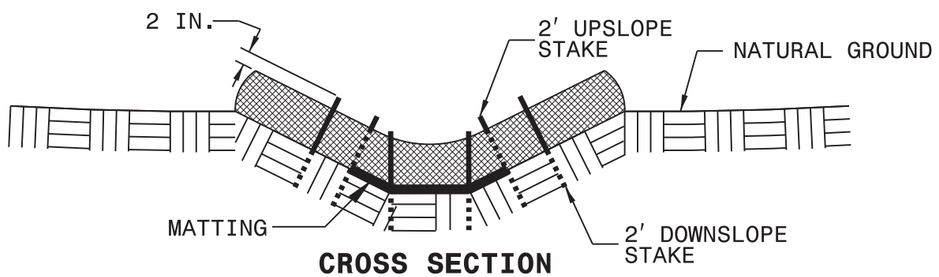
WATTLE DETAIL



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.

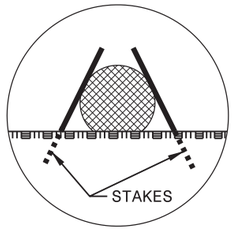
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

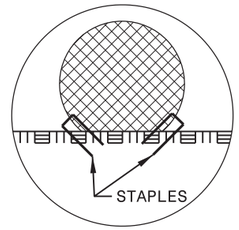
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

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

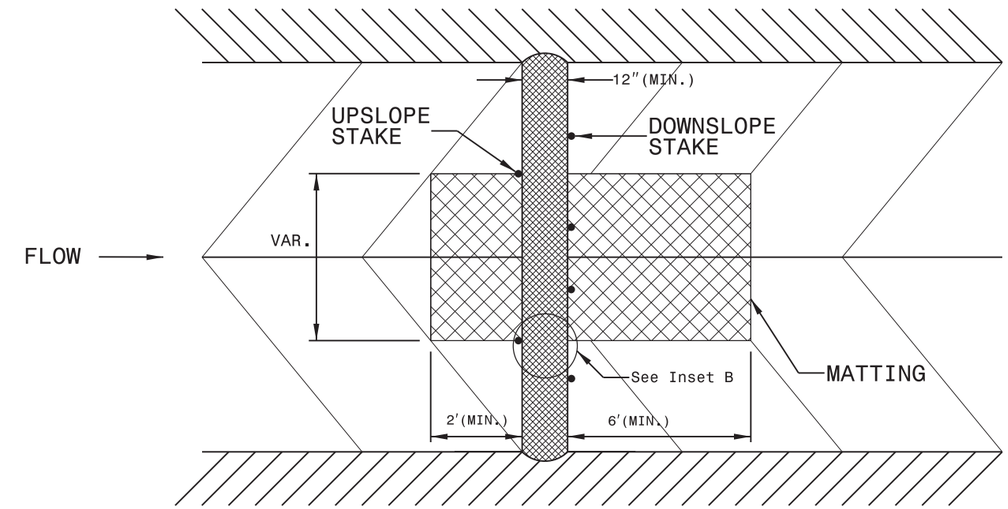
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B

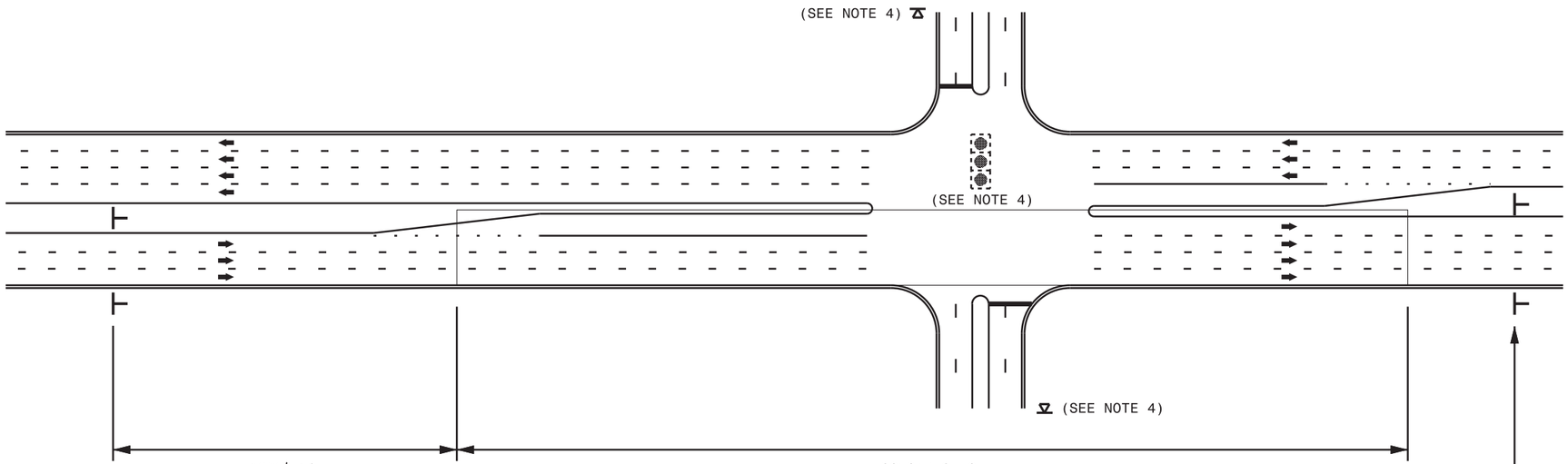


TOP VIEW

NOT TO SCALE

PROJ. REFERENCE NO.	SHEET NO.
DB00382	TCP-1

URBAN / SUBURBAN WORKZONES



NOTES:

1) 48″ x 48″ SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36″ X 36″ ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500′ IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2′ AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS.THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

LEGEND

⊢ STATIONARY SIGN

➡ DIRECTION OF TRAFFIC FLOW

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

RESURFACING ADVANCE WARNING SIGNS FOR URBAN / SUBURBAN FACILITIES