GREENE CRAVEN DIVISION 2

PITT COUNTY

DB00338 WBS# 2017CPT.02.01.10741.1

LOCATION:

MAP 1 - NC 121 FROM US 264 OVERPASS BRIDGE #446 TO SR 1200

MAP 2 - NC 121 FROM SR 1200 TO NC 43

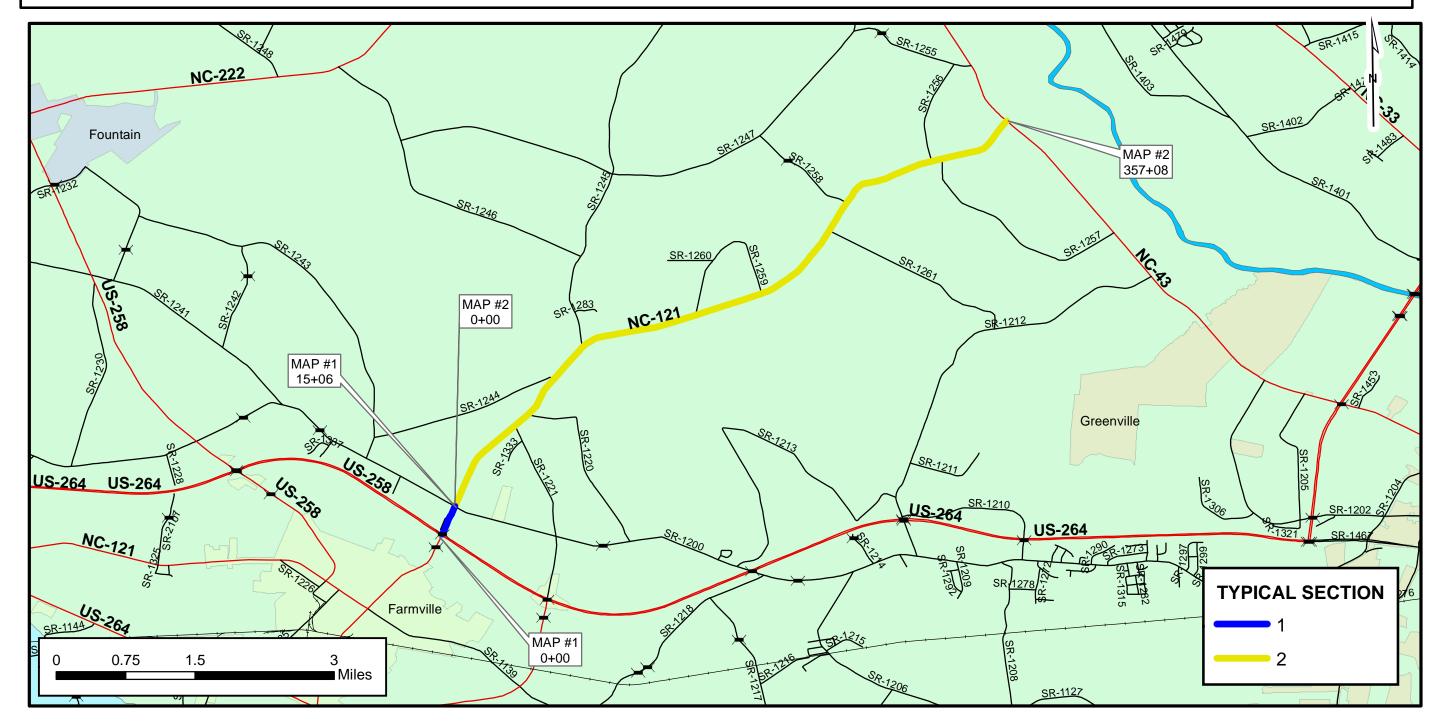
TYPE OF WORK: MILLING, STRENGTHENING, RESURFACING & SHOULDER RECONSTRUCTION.

PROJECT REFERENCE NO. SHEET NO.

DB00338 1



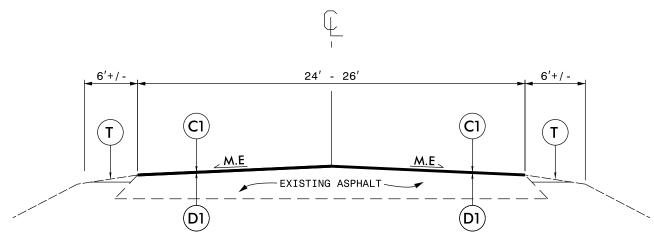
NCDOT DIVISION 2



PROJECT REFERENCE NO.	SHEET NO.
DB00338	2

TYPICAL SECTION NO. 1

MAP 1 - NC 121 FROM THE US 264 OVERPASS BRIDGE #446 TO SR 1200

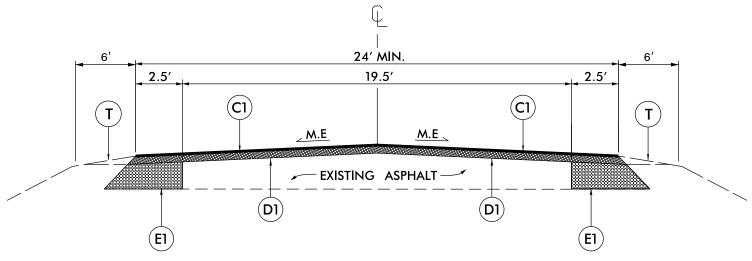


NOTES:

- 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, SEE DETAIL 1.

TYPICAL SECTION NO. 2

MAP 2 - NC 121 FROM SR 1200 TO NC 43



NOTE:

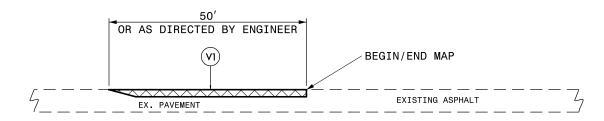
- 1. PLACE 2.5' SYMMETRICAL WIDENING. MAKE FLUSH WITH THE EXISTING ASHALT.
- 2. TRENCHING SHALL BE PERFORMED USING A MILLING MACHINE OR SIMILAR DEVICE.
- 3. PLACE ASPHALT INTERMEDIATE COURSE AT FULL WIDTH, INCLUDING NEW WIDENING.
- 4. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH, INCLUDING NEW WIDENING.
- 5. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS OR AS DIRECTED BY THE ENGINEER. SEE DETAIL 1

	PAVEMENT SCHEDULE						
C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5B, AT AN AVERAGE RATE OF 168.0 LBS. PER SQ. YD.						
D1	PROP. APPROX. 2½" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285.0 LBS. PER SQ. YD.						
E1	PROP. APPROX. 6" ASPHALT CONCRETE BASE COURSE, TYPE B 25.0B, AT AN AVERAGE RATE OF 684.0 LBS. PER SQ. YD.						
Т	SHOULDER RECONSTRUCTION						
V1	INCIDENTAL MILLING.						
DRAWINGS NOT TO SCALE							

NOTE: PAVEMENT EDGE SLOPES ARE I: IUNLESS SHOWN OTHERWISE.

PROJECT REFERENCE NO.	SHEET NO.
DB00338	3

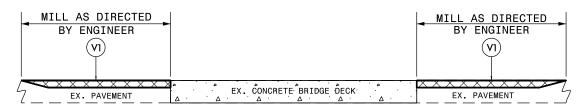
MILLING TYPICALS



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.

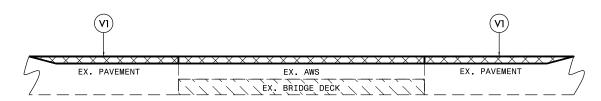


DETAIL 2

BRIDGE MILLING

NOTE:

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



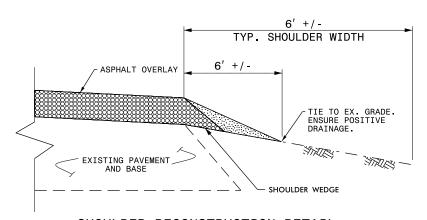
DETAIL 3

BRIDGE MILLING

NOTE:

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

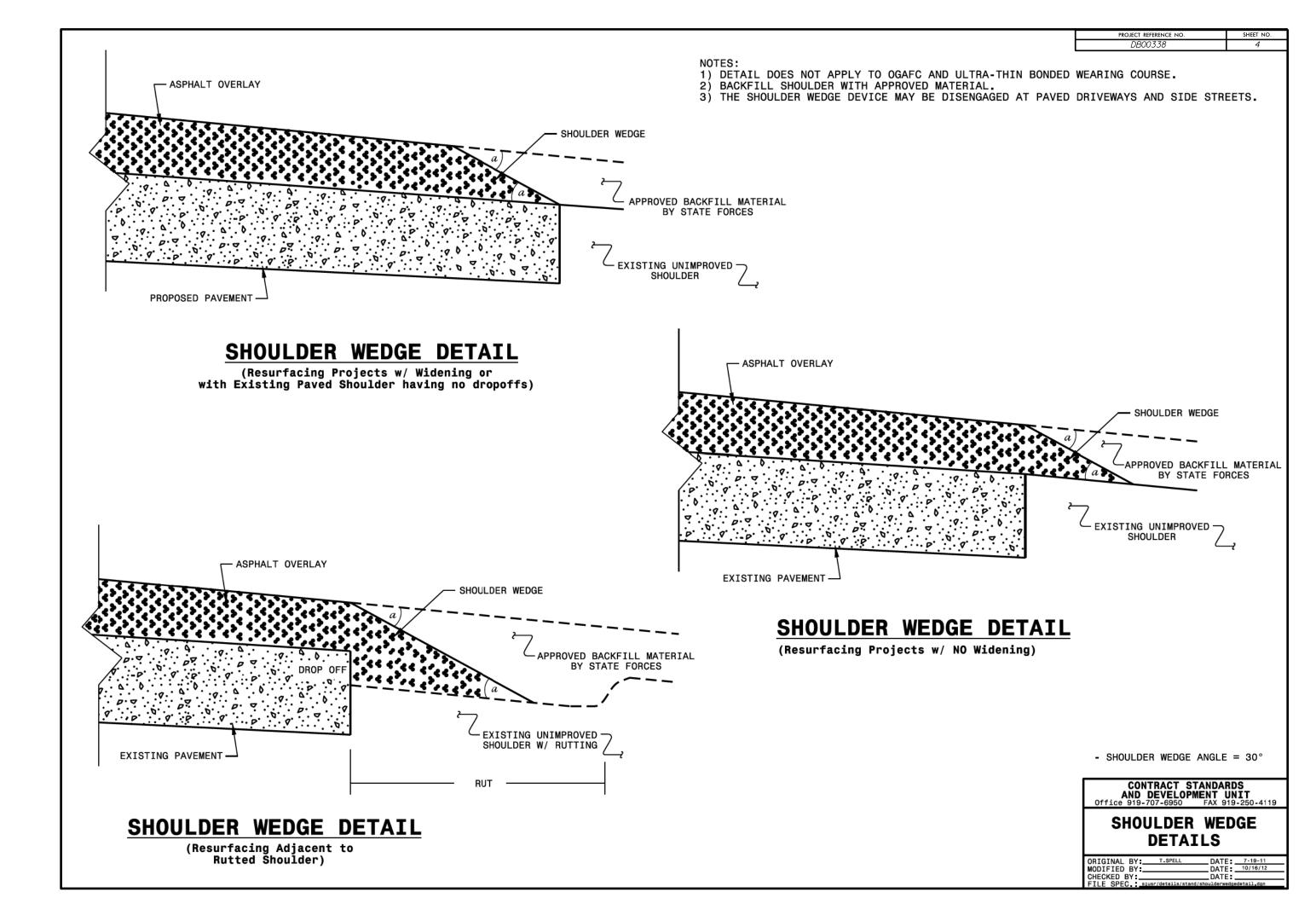
SHOULDER RECONSTRUCTION TYPICAL



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. NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP. EROSION CONTROL DETAIL BMP Options: Wattle, Silt Fence or Hardened < 5' - 10' Undisturbed buffer add BMP Aggregate. E0P Pipe/Culvert < 5' - 10' Undisturbed buffer from < 5' - 10' Undisturbed buffer from jurisdictional feature add BMP ditchline, add BMP Undisturbed Area Disturbed Area EOP E0P Jurisdictional Feature Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed Disturbed Area Disturbed Area EOP EOP < 5' - 10' Undisturbed buffer from inlet. add wattle E0P E0P

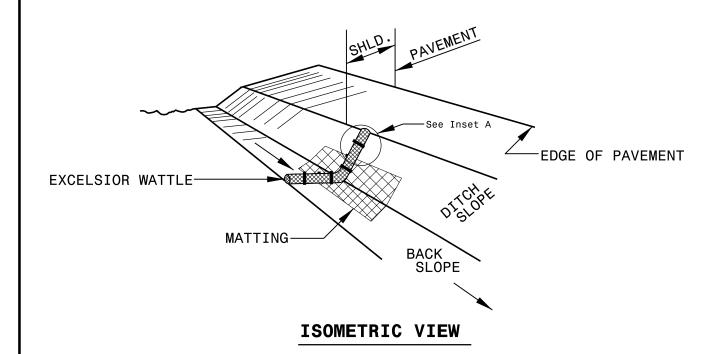
Wattle

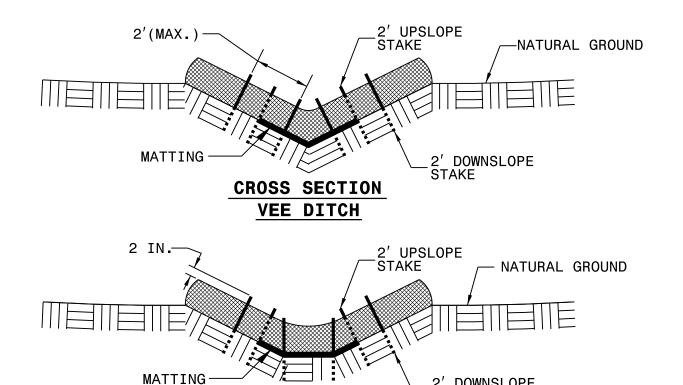
- Drainage Inlet

NOT TO SCALE

SHEET NO. DB00338

WATTLE DETAIL





CROSS SECTION TRAPEZOIDAL DITCH 2' DOWNSLOPE

STAKE

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

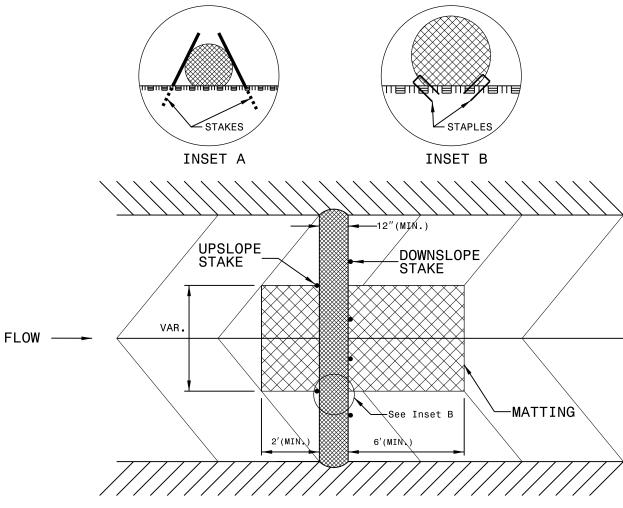
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.



TOP VIEW

NOT TO SCALE

PROJECT NO.	SHEET NO.
DB00338	7

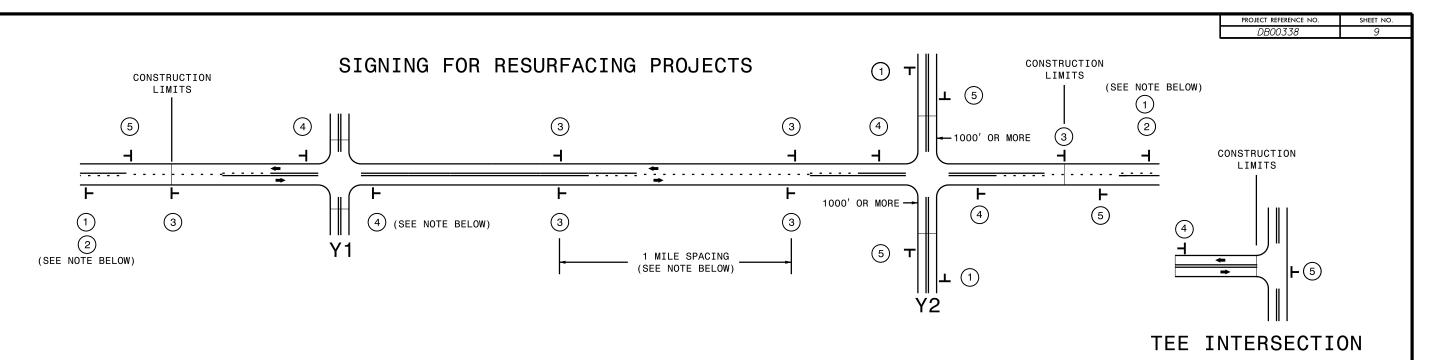
SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP ROUTE	DESCRIPTION	ТҮР	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	HAULING NCDOT SUPPLIED SHOULDER MATERIAL	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCT ION	INCIDENTAL MILLING	BASE COURSE, B25.0B	INTERMEDIAT E COURSE, I19.0B	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	TEMPORARY SILT FENCE	WATTLE	SEED & MULCHING	RESPONSE FOR EROSION CONTROL
NO		NO		NO					MI	FT	EA	TONS	SMI	SY	TONS	TONS	TONS	TONS	LF	LF	AC	EA
			US 264 OVERPASS BRIDGE #446 TO																			
2017CPT.02.01.10741.1	Pitt	1 NC 121	SR 1200	1	2	2WU	NO	NO	0.310	26	12	25	0.62	300		600	365	51	50	25	0.47	1
TOTAL FOR	TOTAL FOR MAP NO. 1								0.310		12	25	0.62	300		600	365	51	50	25	0.47	1
2017CPT.02.01.10741.1	Pitt	2 NC 121	SR 1200 TO NC 43	2	2	2WU	NO	NO	6.771	19	372	150	13.54	675	7,600	15,100	8,400	1,563	200	50	10.16	2
TOTAL FOR	TOTAL FOR MAP NO. 2								6.771		372	150	13.54	675	7,600	15,100	8,400	1,563	200	50	10.16	2
TOTAL FOR PROJ NO. 2017CPT.02.01.10741.1								7.081		384	175	14.16	975	7,600	15,700	8,765	1,614	250	75	10.63	3	
GRAND TOTAL									7.081		384	175	14.16	975	7,600	15,700	8,765	1,614	250	75	10.63	3

PROJECT NO.	SHEET NO.
DB00338	8

THERMOPLASTIC AND PAINT QUANTITIES

										4413000000-E	4457000000-N	4688000000-E	469000000-E	4710000000-E	4721000000-E	481000	0000-Е	4905000000-N
PROJECT	COUNTY	МАР	ROUTE	DESCRIPTION	ТҮР	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/GEN ERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	6" X 90 M WHITE THERMO	6" X 120 M YELLOW THERMO	24" X 120 M WHITE THERMO	THERMO MSG SCHOOL 120 M	4" YELLOW PAINT	4" WHITE PAINT	SNOW PLOWABLE MARKERS
NO		NO			NO					SF	LS	LF	LF	LF	EA	LF	LF	EA
				US 264 OVERPASS BRIDGE #446 TO														
2017CPT.02.01.10741.1	Pitt	1	NC 121	SR 1200	1	2	2WU	0.310	26	35	0.05	3,336	2,046	15				20
TOTAL FOR	MAP NO.	1						0.310		35	0.05	3,336	2,046	15				20
2017CPT.02.01.10741.1	Pitt	2	NC 121	SR 1200 TO NC 43	2	2	2WU	6.771	19	760	0.95	72,856	44,689	190	12	44,689	71,502	447
TOTAL FOR	MAP NO.	2						6.771		760	0.95	72,856	44,689	190	12	44,689	71,502	447
TOTAL FOR PROJ NO. 2	2017CPT.0	2.01.10	741.1					7.081		795	1.00	76,192	46,735	205	12	44,689	71,502	467
GRAND TOTAL						7.081		795	1.00	76,192	46,735	205	12	116	,191	467		



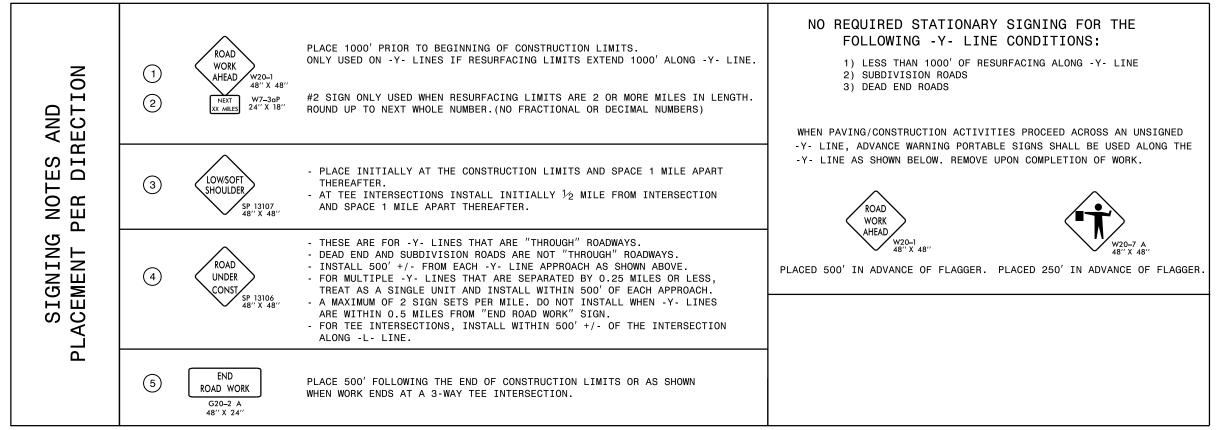
<u>LEGEND</u>

← DIRECTION OF TRAFFIC FLOW

STATIONARY SIGN

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING





RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS