PITT BEAUFORT BEAUFORT DIVISION 2

PITT COUNTY

DB00363 WBS# 2017CPT.02.60.10741.10

LOCATION:

MAP 1 - NC 33 FROM 1230 FT WEST OF BRIDGE #87 TO BEGIN GRIMESLAND C&G

MAP 2 - NC 33 FROM BEGIN GRIMESLAND C&G TO END GRIMESLAND C&G

MAP 3 - NC 33 FROM END GRIMESLAND C&G TO 203 FT EAST OF THE BEAUFORT COUNTY LINE

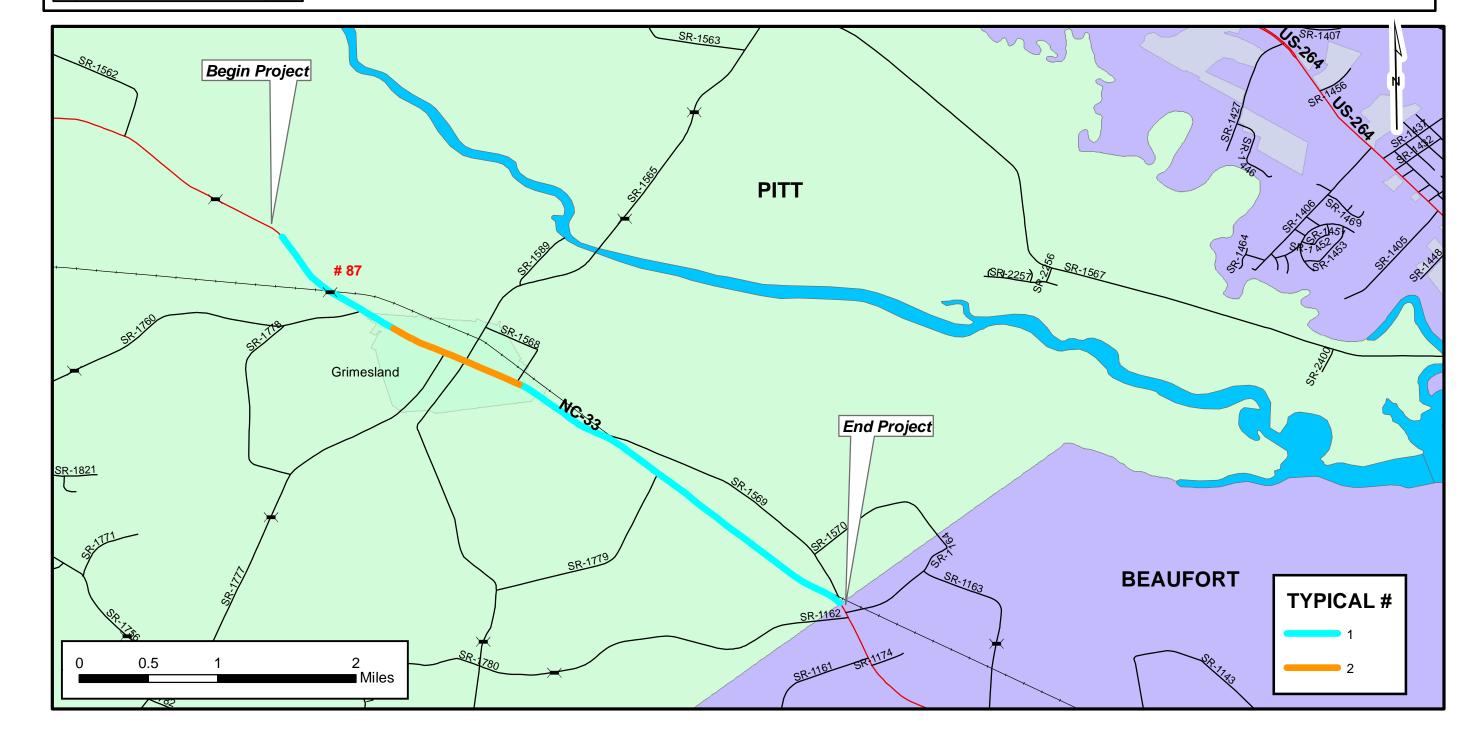


SHEET NO.

PROJECT REFERENCE NO.

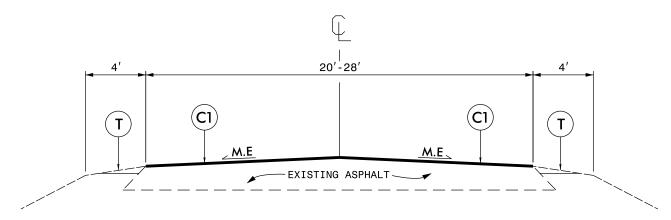
DB00363

TYPE OF WORK: FULL DEPTH PATCHING, MILLING, RESURFACING, PAVEMENT MARKINGS & PAVEMENT MARKERS



TYPICAL SECTION NO. 1

MAP NUMBER 01 – BEGIN PROJECT TO C&G MAP NUMBER 03 – C&G TO END PROJECT

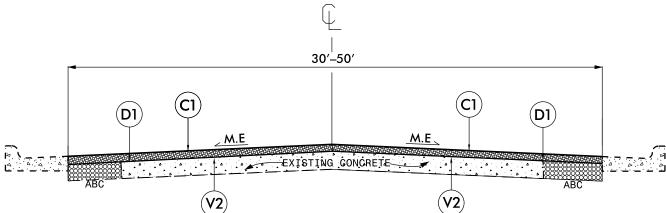


NOTF:

- 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. SEE DETAIL 1.

TYPICAL SECTION NO. 2

MAP NUMBER 02 FROM BEGIN C&G TO END C&G



NOTE:

- 1. PERFORM 5" DEPTH MILLING FROM CURB AND GUTTER TO CURB AND GUTTER, FULL WIDTH. ENSURE THAT THE EXISTING SAND ASPHALT LAYER BETWEEN THE EXISTING SURFACE LAYER AND THE EXISTING CONCRETE ROADWAY/AGGREGATE BASE COURSE LAYER IS REMOVED.
- 2. AFTER 5" DEPTH MILLING, PERFORM PATCHING / REPAIR OF AGGREGATE BASE COURSE SUBGRADE AS DIRECTED BY THE ENGINEER.
- 3. PLACE ASPHALT INTERMEDIATE COURSE OF ASPHALT FULL WIDTH, AS DIRECTED BY THE ENGINEER. DO NOT ALLOW EXISTING AGGREGATE BASE COURSE TO BE EXPOSED. ASPHALT INTERMEDIATE COURSE SHALL BE PLACED THE SAME DAY AS THE 5" DEPTH MILLING.
- 4. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.

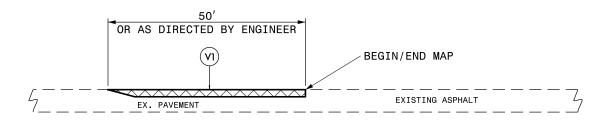
PROJECT REFERENCE NO.	SHEET NO.
DB00363	2

	PAVEMENT SCHEDULE								
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5B, AT AN AVERAGE RATE OF 224.0 LBS. PER SQ. YD.								
D1	PROP. APPROX. 3" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I 19.0B, AT AN AVERAGE RATE OF 342.0 LBS. PER SQ. YD.								
Т	SHOULDER RECONSTRUCTION								
V1	INCIDENTAL MILLING.								
V2	5" DEPTH MILLING								
	DRAWINGS NOT TO SCALE								

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

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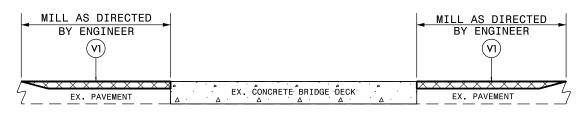
MILLING TYPICALS



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.

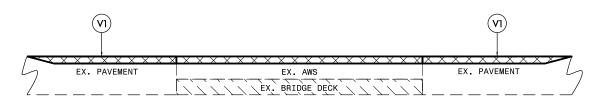


DETAIL 2

BRIDGE MILLING

NOTE:

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

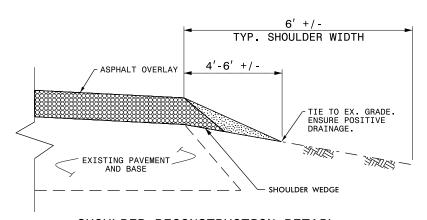


DETAIL 3 BRIDGE MILLING

NOTE:

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

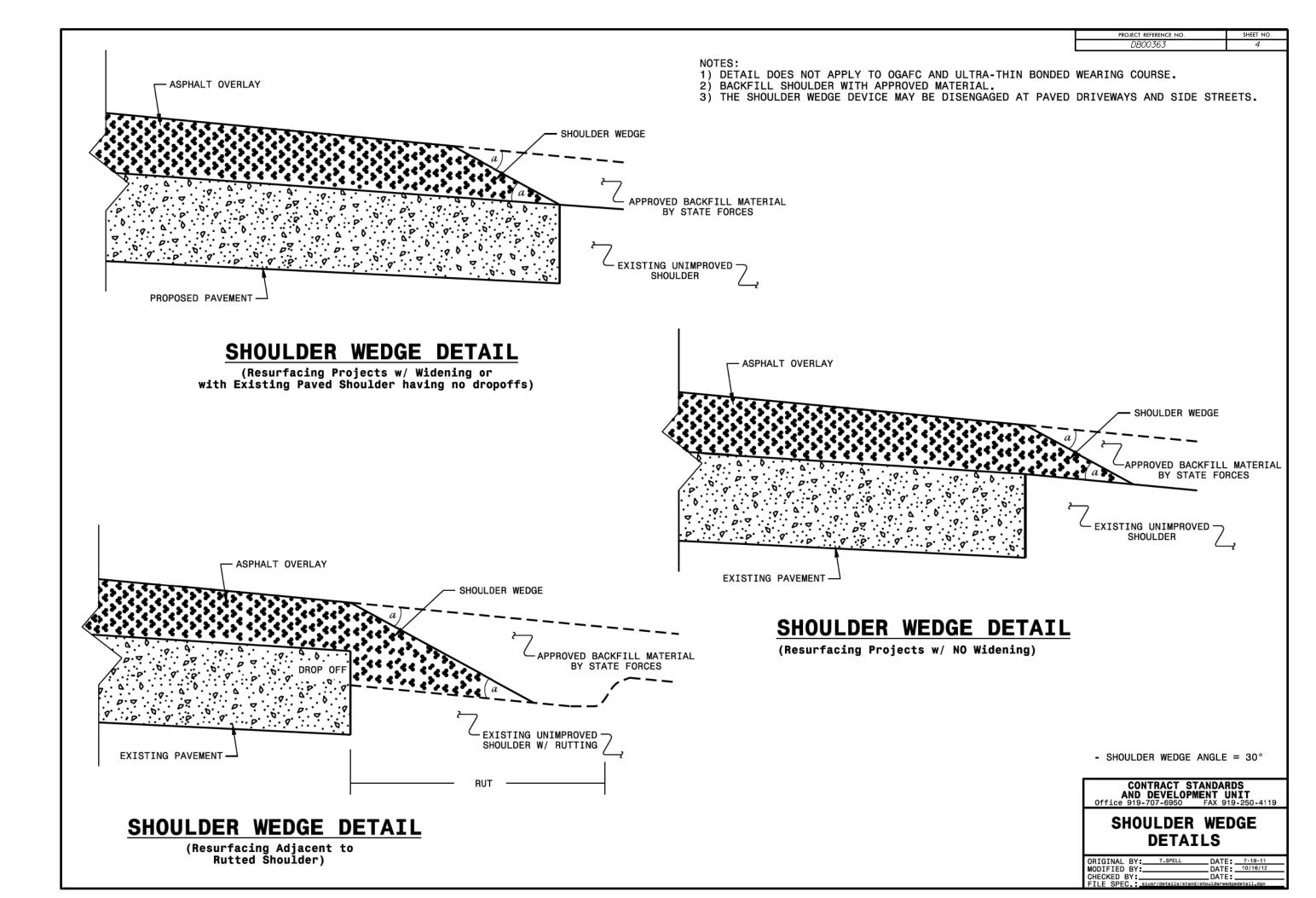
SHOULDER RECONSTRUCTION TYPICAL

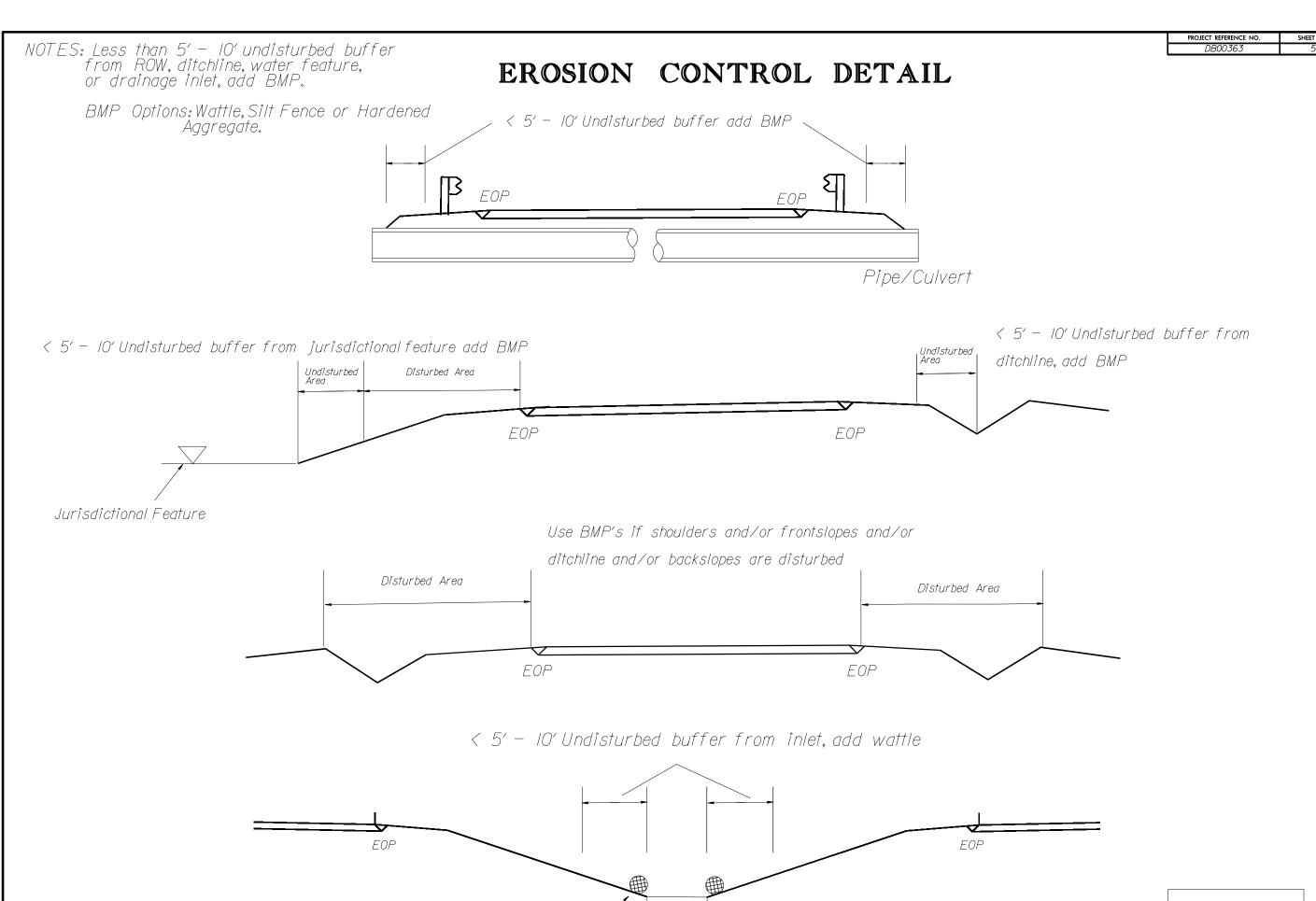


SHOULDER RECONSTRUCTION DETAIL

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.





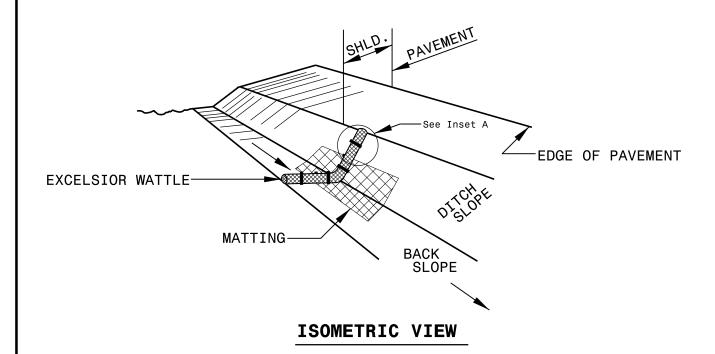
Wattle

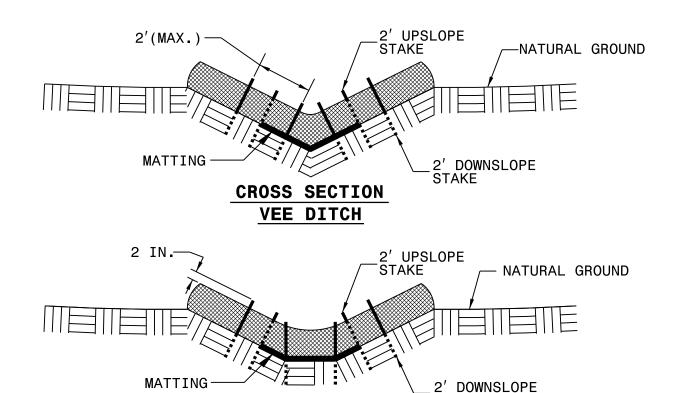
- Drainage Inlet

NOT TO SCALE

ROJECT REFERENCE NO. SHEET NO. DB00363 6

WATTLE DETAIL





CROSS SECTION
TRAPEZOIDAL DITCH

STAKE

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

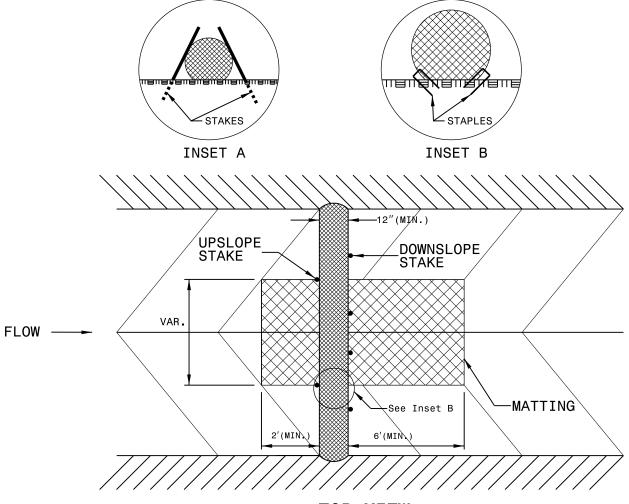
 $\underline{\text{ONLY}}$ INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

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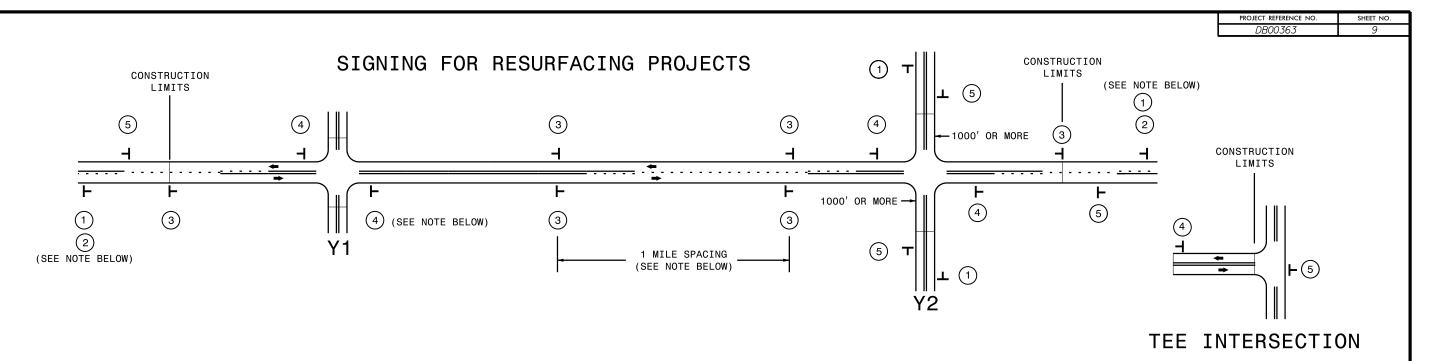
SUMMARY OF QUANTITIES

												•	•	,,,,,	•	40/1		. – –												
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	LANE	FINAL	WARM MIX	LENGTH	WIDTH	HAULING	INCIDENTAL	SHOULDER	5" MILLING	INCIDENTAL		SURFACE	ASPHALT	ABC	2'-6" CURB &	4"	RETROFIT	WHEELCHAIR	ADJ. OF	ADJ. OF	TEMPORARY	WATTLE	SEED &	RESPONSE
							TYPE	SURFACE	ASPHALT			NCDOT	STONE BASE	RECONSTRUCT		MILLING	INTERMEDIA	COURSE,	BINDER FOR	SUBGRADE	GUTTER	CONCRETE	EXISTING	RAMPS	MANHOLES	METER OR	SILT FENCE		MULCHING	FOR EROSION
								TESTING	REQUIRED			SUPPLIED		ION			TE COURSE,	S9.5B	PLANT MIX	REMOVE/REPL		SIDEWALK	CURB RAMP			VALVE BOX				CONTROL
								REQUIRED				SHOULDER					119.0B			ACE W/B										
NO		NO			NO					МІ	ET	EA	TONS	SMI	cv	cv	TONS	TONS	TONS	TON	15	SY	EA	EA	EA	EA	16	LF	AC	EA
NO		NO			140		1			IVII		LA	10143	JIVII	31	31	10143	10143	10143	1014	LF	31	LA	LA	LA	LA	LF	LF	AC	LA
				ROM 1230 FT WEST OF BRIDGE #87	′ I																									
2017CPT.02.60.10741.10	Pitt	1	NC 33	TO BEGIN CURB & GUTTER	1	2	2WU	NO	NO	0.682	22	34	50	1.36		415		1,200	72								50	25	0.85	1
TOTAL FOR M	1AP NO. 1									0.682		34	50	1.36		415		1,200	72								50	25	0.85	1
				FROM BEGIN C&G TO END C&G																										
2017CPT.02.60.10741.10	Pitt	2	NC 33	(GRIMESLAND)	2	2	2WU	NO	NO	0.854	44				22,500		3,900	2,700	349	50	84	40	2	9	2	10				
TOTAL FOR M	1AP NO. 2									0.854					22,500		3,900	2,700	349	50	84	40	2	9	2	10				
			ı	FROM END C&G TO 203 FT EAST OF																										
2017CPT.02.60.10741.10	Pitt	3	NC 33	THE BEAUFORT COUNTY LINE	1	2	2WU	NO	NO	2.532	28	127	100	5.06		315		5,000	300								100	50	3.17	1
TOTAL FOR M	1AP NO. 3									2.532		127	100	5.06		315		5,000	300								100	50	3.17	1
TOTAL FOR PROJ NO. 201	TCPT.02.	60.1074	11.10							4.068		161	150	6.42	22,500	730	3,900	8,900	721	50	84	40	2	9	2	10	150	75	4.02	2
								•																			-	•		
GRAND T	OTAL			_						4.068		161	150	6.42	22,500	730	3,900	8,900	721	50	84	40	2	9	2	10	150	75	4.02	2

PROJECT NO.	SHEET NO.
DB00363	8

THERMOPLASTIC AND PAINT QUANTITIES

										4413000000-E	4457000000-N	4688000000-E	46900	00000-E	4705000000-E	4710000000-E	4721000000-E	4725000000-E	4810000000-E	4905000000-N
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	LANE	LENGTH	WIDTH	WORK ZONE	TEMPORARY	6" X 90 M	6" X 120 M	6" X 120 M	16" X 120 M	24" X 120 M	THERMO RXR	THERMO LT	4" YELLOW	SNOW
							TYPE			ADVANCE/GENE	TRAFFIC	WHITE THERMO	YELLOW	WHITE THERMO	WHITE THERMO	WHITE THERMO	120 M	ARROW 90 M	PAINT	PLOWABLE
										RAL	CONTROL		THERMO							MARKERS
										WARNING										
										SIGNING										
NO		NO			NO					SF	LS	LF	LF	LF	LF	LF	EA	EA	LF	EA
				FROM 1230 FT WEST OF BRIDGE #87																
2017CPT.02.60.10741.10	Pitt	1	NC 33	TO BEGIN CURB & GUTTER	1	2	2WU	0.682	22	78	0.17	7,338	4,501			20				45
TOTAL FOR N	/IAP NO. 1							0.682		78	0.17	7,338	4,501			20				45
				FROM BEGIN C&G TO END C&G																
2017CPT.02.60.10741.10	Pitt	2	NC 33	(GRIMESLAND)	2	2	2WU	0.854	44	100	0.20	9,018	9,018	500		75		25	11,273	56
TOTAL FOR N	/IAP NO. 2		-					0.854		100	0.20	9,018	9,018	500		75		25	11,273	56
				FROM END C&G TO 203 FT EAST OF																
2017CPT.02.60.10741.10	Pitt	3	NC 33	THE BEAUFORT COUNTY LINE	1	2	2WU	2.532	28	285	0.63	27,244	18,990		50	75	2			167
TOTAL FOR N	/IAP NO. 3							2.532		285	0.63	27,244	18,990		50	75	2			167
TOTAL FOR PROUND 301	7CDT 02 (CO 107	41.10					4.068		463	1.00	43,600	32,509	500	50	170	2	25	11,273	268
TOTAL FOR PROJ NO. 2017CPT.02.60.10741.10		41.10										33,009								
												_								
GPAND 3	TOTAL							4.068		463	1.00	43,600	32,509	500	50	170	2	25	11,273	268
GRAND TOTAL										_		33,009			·			·		



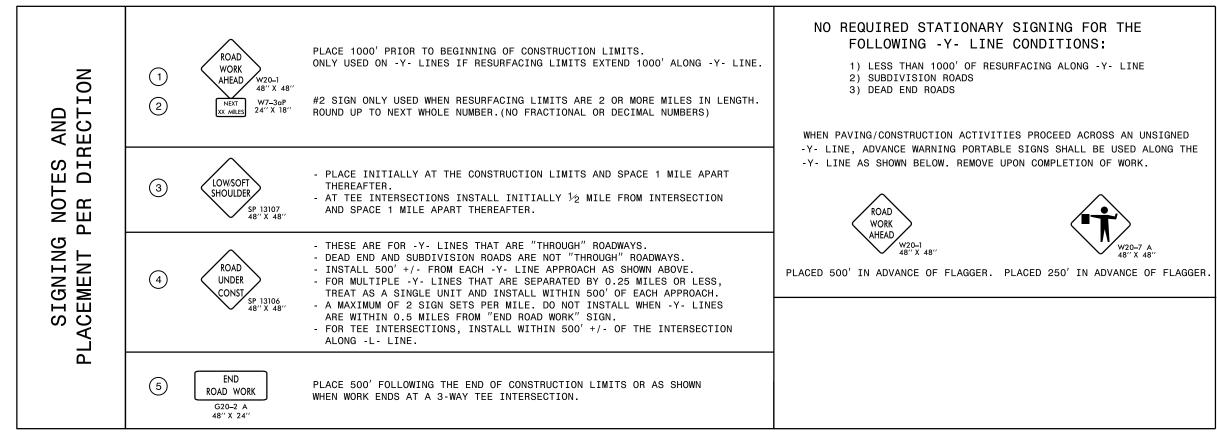
LEGEND

- STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING





RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2 LANE ROADWAYS