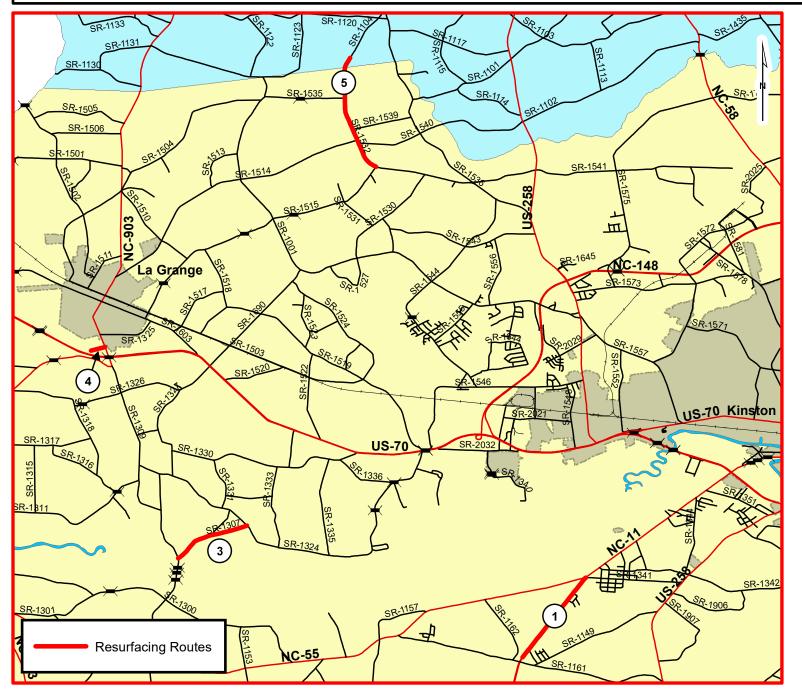


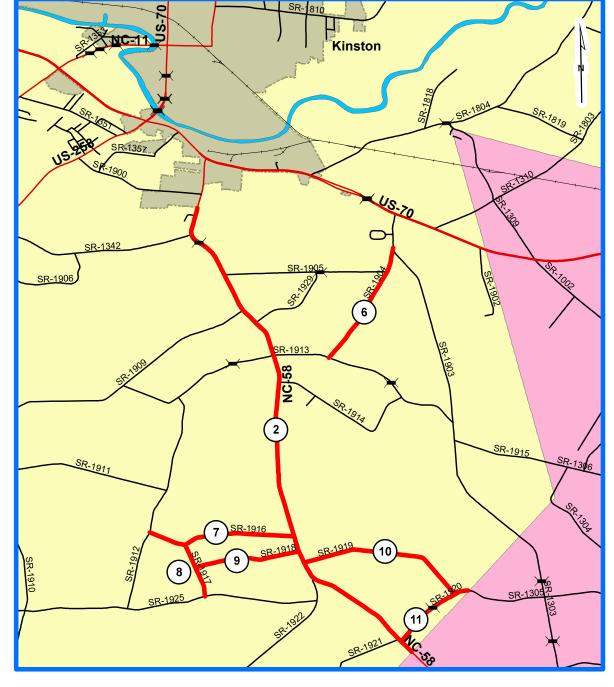
LENOIR COUNTY DB00517

WBS# 2022CPT.02.16.10541 2022CPT.02.17.20541 PROJECT REFERENCE NO. SHEET NO.
DB00517 1



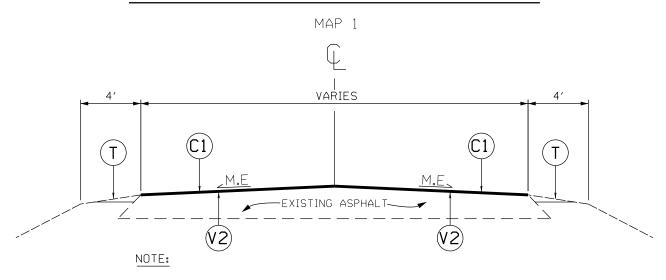
TYPE OF WORK: MILLING, RESURFACING, STRENGTHENING, SHOULDER RECONSTRUCTION





PROJECT REFERENCE NO. SHEET NO. DB005/7 2

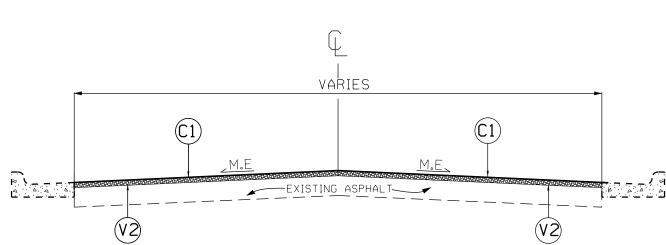
TYPICAL SECTION NO. 1



- 1. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT.
- 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.

TYPICAL SECTION NO. 2

MAP 1



NOTE:

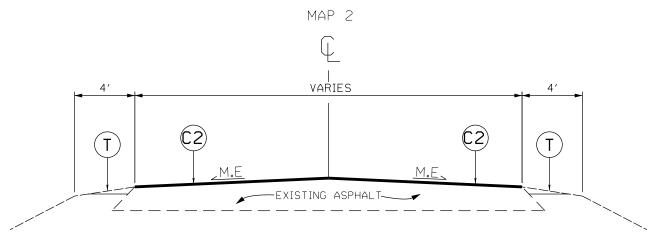
- 1. PERFORM 1.5" DEPTH MILLING FROM CURB AND GUTTER TO CURB AND GUTTER, FULL WIDTH.
- 2. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
- 3. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
С3	PROP. APPROX. 1.5° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C AT AN AVERAGE RATE OF 285.0 LBS. PER SO. YD.
V 1	INCIDENTAL MILLING
٧2	MILLING DEPTH 1.5" FOR THE ENTIRE WIDTH OF ROADWAY
T	SHOULDER RECONSTRUCTION
	DRAWINGS NOT TO SCALE

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

PROJECT REFERENCE NO. SHEET NO. DB00517 3

TYPICAL SECTION NO. 3

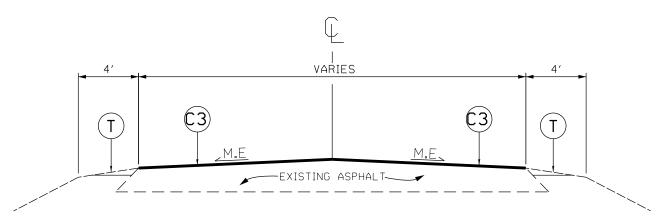


NOTE:

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

TYPICAL SECTION NO. 4

MAP 3,5,6,7,8,9,10,11



NOTE:

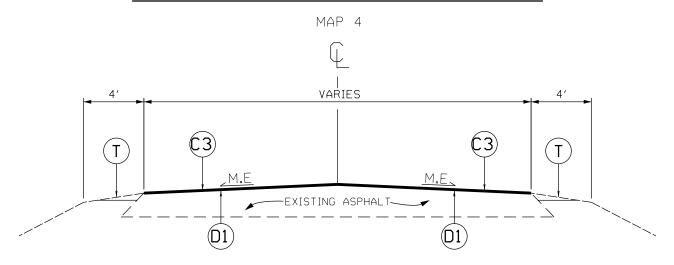
- 1. PERFORM 4" DEPTH MILL PATCHING AT LOCATIONS AND WIDTHS AS SHOWN ON SHEET 5. PLACE ASPHALT BASE COURSE B25.0C IN ONE LIFT TO BACKFILL.
- 2. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT.
- 3. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
- 4. PERFORM SHOULD RECONSTRUCTION AFTER PAVING IS COMPLETED.

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
С3	PROP. APPROX. 1.5° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C AT AN AVERAGE RATE OF 285.0 LBS. PER SO. YD.
V 1	INCIDENTAL MILLING
٧2	MILLING DEPTH 1.5" FOR THE ENTIRE WIDTH OF ROADWAY
T	SHOULDER RECONSTRUCTION
	DRAWINGS NOT TO SCALE

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

PROJECT	REFERENCE NO.	SHEET NO.
DBC	00517	4

TYPICAL SECTION NO.5



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. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
C2	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
С3	PROP. APPROX. 1.5° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SO. YD.
D1	PROP. APPROX. 2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C AT AN AVERAGE RATE OF 285.0 LBS. PER SO. YD.
V 1	INCIDENTAL MILLING
٧2	MILLING DEPTH 1.5" FOR THE ENTIRE WIDTH OF ROADWAY
Т	SHOULDER RECONSTRUCTION
	DRAWINGS NOT TO SCALE

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

PROJECT NO.	SHEET NO.	TOTAL NO.
DB00517	5	

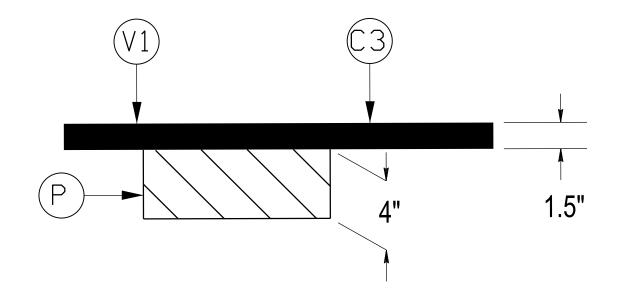
SUMMARY OF QUANTITIES

										0262000000-N	1220000000-E	1245000000-E	1297000000-	133000000-E	1503000000-E	1519000000-E	1523000000-E	1575000000-E	1880000000-E	2845000000-N	600000000-E	6071010000-	E 6084000000-E	6117000000-N	4413000000-E	4457000000-N
PROJECT NO	COUNTY MAP NO	ROUTE	DESCRIPTION	TYP NO	ANES LA	NE FINAL SUR	FACE WARM MIX	LENGTH	WIDTH	HAULING	INCIDENTAL	SHOULDER	1½"	INCIDENTAL	INTERMEDIATE	SURFACE	SURFACE	ASPHALT	4" DEPTH MILL	ADJ. OF METER OR	TEMPORARY SILT	T WATTLE	SEED &	RESPONSE FOR	WORK ZONE	TEMPORARY
					TY	PE TESTIN	G ASPHALT			NCDOT	STONE BASE	RECONSTRUCTION	MILLING	MILLING	COURSE, 119.0C	COURSE, S9.5B	COURSE, S9.5C	BINDER FOR	PATCHING	VALVE BOX	FENCE		MULCHING	EROSION CONTROL	ADVANCE/GENERAL	TRAFFIC CONTROL
						REQUIRE	ED REQUIRED			SUPPLIED								PLANT MIX	EXISTING						WARNING SIGNING	
										SHOULDER									PAVEMENT - B							
										MATERIAL									25.0 C							
								MI	FT	EA	TONS	SMI	SY	SY	TONS	TONS	TONS	TONS	TON	EA	LF	LF	AC	EA	SF	LS
			FROM 1045' NORTH OF SR 1161																							
2022CPT.02.16.10541	Lenoir 1	NC 11	(ALBRITTONS RD) TO NC 55	1 & 2	2 N	1U NO	NO	1.88	65		94		85,000	500			7,200	432							250	0.10
	TOTAL FOR MAP I	NO. 1						1.88			94		85,000	500			7,200	432							250	0.10
			FROM JONES CO. LINE TO 400'																							
2022CPT.02.16.10541	Lenoir 2	NC 58	SOUTH OF SR 1900	3	2 2V	VU NO	NO	6.67	28	267	334	13.34		1,000			15,000	900			1,067	100	6.67	1	750	0.36
	TOTAL FOR MAP I	NO. 2						6.67		267	334	13.34		1,000			15,000	900			1,067	100	6.67	1	750	0.36
TOTAL	FOR PROJ NO. 2022C	PT.02.16.10541						8.55		267	428	13.34	85,000	1,500			22,200	1,332			1,067	100	6.67	1	1,000	0.46
2022CPT.02.17.20541	Lenoir 3	SR 1307 PINE BUSH RD	FROM SR 1389 TO SR 1324	4	2 2V	VU NO	NO	1.36	20	54	68	2.72		500		1,400		94	1,000		218	100	1.36	1	200	0.07
	TOTAL FOR MAP I	NO. 3						1.36		54	68	2.72		500		1,400		94	1,000		218	100	1.36	1	200	0.07
2022CPT.02.17.20541	Lenoir 4	SR 1378 PACKHOUSE RD	FROM END MAINT. TO NC 903	5	2 2V	VU NO	NO	0.25	20	10	13	0.50		500	500	300		44			40		0.25		30	0.01
	TOTAL FOR MAP I	NO. 4						0.25		10	13	0.50		500	500	300		44			40		0.25		30	0.01
2022CPT.02.17.20541	Lenoir 5	SR1532 - BRYAN HARDY RD	FROM SR 1541 TO GREENE CO. LIN	E 4	2 2V	VU NO	NO	2.19	20	88	110	4.38		500		2,500		168	500			100	2.19	1	250	0.10
	TOTAL FOR MAP I							2.19		88	110	4.38		500		2,500		168	500			100	2.19	1	250	0.10
2022CPT.02.17.20541	Lenoir 6	SR1904 WHALEY RD	FROM SR 1913 TO SR 1903	4	2 2V	VU NO	NO	1.57	20	63	79	3.14		500		1,700		114			251	60	1.57		200	0.07
	TOTAL FOR MAP I							1.57		63	79	3.14		500		1,700		114			251	60	1.57		200	0.07
2022CPT.02.17.20541	Lenoir 7	SR 1916 RUSTY LEE RD	FROM SR 1912 TO NC 58	4	2 2V	VU NO	NO	1.61	20	64	81	3.22		500		1,700		114			258	60	1.61		200	0.07
	TOTAL FOR MAP I	NO. 7						1.61		64	81	3.22		500		1,700		114			258	60	1.61		200	0.07
2022CPT.02.17.20541	Lenoir 8	SR 1917 BILLY BECTON RD	FROM SR 1925 TO SR 1916	4	2	NO	NO	0.70	20	28	35	1.40		500		800		54	150		112	40	0.70		100	0.03
	TOTAL FOR MAP I							0.70		28	35	1.40		500		800		54	150		112	40	0.70		100	0.03
2022CPT.02.17.20541	Lenoir 9	SR 1918 DALLAS TURNER RD	FROM NC 58 TO SR 1917	4	2 2V	VU NO	NO	1.15	20	46	57	2.30		500		1,300		87			184	40	1.15		150	0.05
	TOTAL FOR MAP I	NO. 9						1.15		46	57	2.30		500		1,300		87			184	40	1.15		150	0.05
2022CPT.02.17.20541	Lenoir 10	SR 1919 JOE WILLIAMS RD	FROM SR 1920 TO NC 58	4	2 2V	VU NO	NO	1.91	20	76	96	3.82		500		2,000		134		1	306	80	1.91		250	0.09
	TOTAL FOR MAP N							1.91		76	96	3.82		500		2,000		134		1	306	80	1.91		250	0.09
2022CPT.02.17.20541	Lenoir 11	SR 1920 COPELAND FARM RD	FROM NC 58 TO JONES CO LINE	4	2 2V	VU NO	NO	1.02	20	41	51	2.04		1,000		1,000		67	20		163	40	1.02		150	0.05
	TOTAL FOR MAP N	0.11						1.02		41	51	2.04		1,000		1,000		67	20		163	40	1.02		150	0.05
TOTAL	FOR PROJ NO. 2022C	DT 02 17 20E41						11.76		470	590	23.52		5,000	500	12,700		876	1,670	1	1,532	520	11.76	2	1,530	0.54
IUIAL	. FUN FNUJ NU. 2022C	F1.U2.17.2U341																								
		·	•					`																		
	GRAND TOTA							20.31		737	1,018	36.86	85,000	6,500	500	12,700	22,200	2,208	1,670	1	2,599	620	18.43	3	2,530	1
	GRAND TOTA	L									1				1											

4" MILL PATCH	STA.	STA.	WIDTH	MAP
	7+82	9+53	10' RT	3
	28+55	30+22	10' LT	3
	28+55	30+85	10' RT	3
	46+42	47+46	10' LT	3
	56+61	57+45	10' RT	3
	69+03	69+97	7' RT	3
	71+06	71+68	10' RT	3
	34+72	34+83	7' LT	5
	40+45	42+20	10' RT	5
	52+32	52+86	7' LT	5
	54+80	55+61	7' LT	5
	54+96	55+14	7' RT	5
	84+31	85+24	7' RT	5
	85+65	90+78	10' LT	5
	87+32	90+27	7' RT	5
	92+42	93+26	10' LT	5
	101+14	102+18	7' RT	5
	102+18	104+22	10' RT	5
	102+96	104+22	10' LT	5
	4+57	6+95	7' LT	8
	6+95	8+03	20'	8
	9+18	10+05	7' RT	11

ROJECT REFERENCE NO.	SHEET NO.
DB005I7	6

4" DEPTH MILL PATCHING DETAIL MAP 3,5,8,11



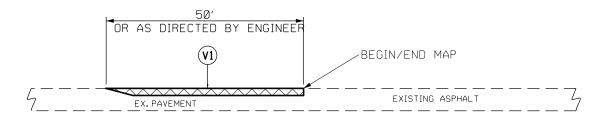
PAVEMENT SCHEDULE C3 PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE \$9.5B AT AN AVERAGE RATE OF 165 LBS. PER \$0. YD. V1 INCIDENTAL MILLING. P 4" DEPTH MILL PATCHING W/ B25.0C DRAWINGS NOT TO SCALE

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

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 5, AND AS DIRECTED BY THE ENGINEER.

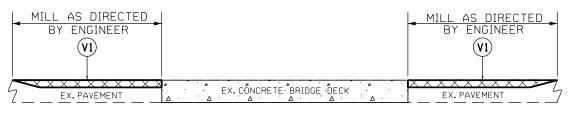
PROJECT REFERENCE NO DB00517 DIV 2-I



DFTAIL 1 BEGIN/END MAP TIE-IN

NOIE:

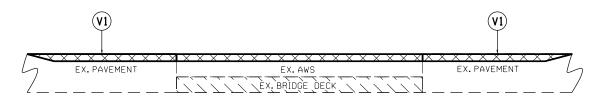
MILLING SHALL BE PERFORMED AT MAIN LINE TIE-INS AND Y-LINE TIE-INS AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.



DETAIL 2 BRIDGE MILLING

NOTE:

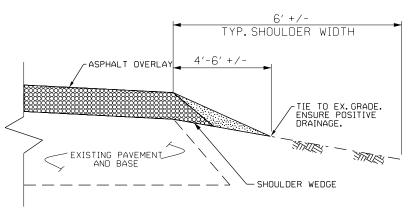
MILLING SHALL BE PERFORMED AT THE BRIDGE APPROACHES AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.



DETAIL 3 BRIDGE MILLING

NOTE:

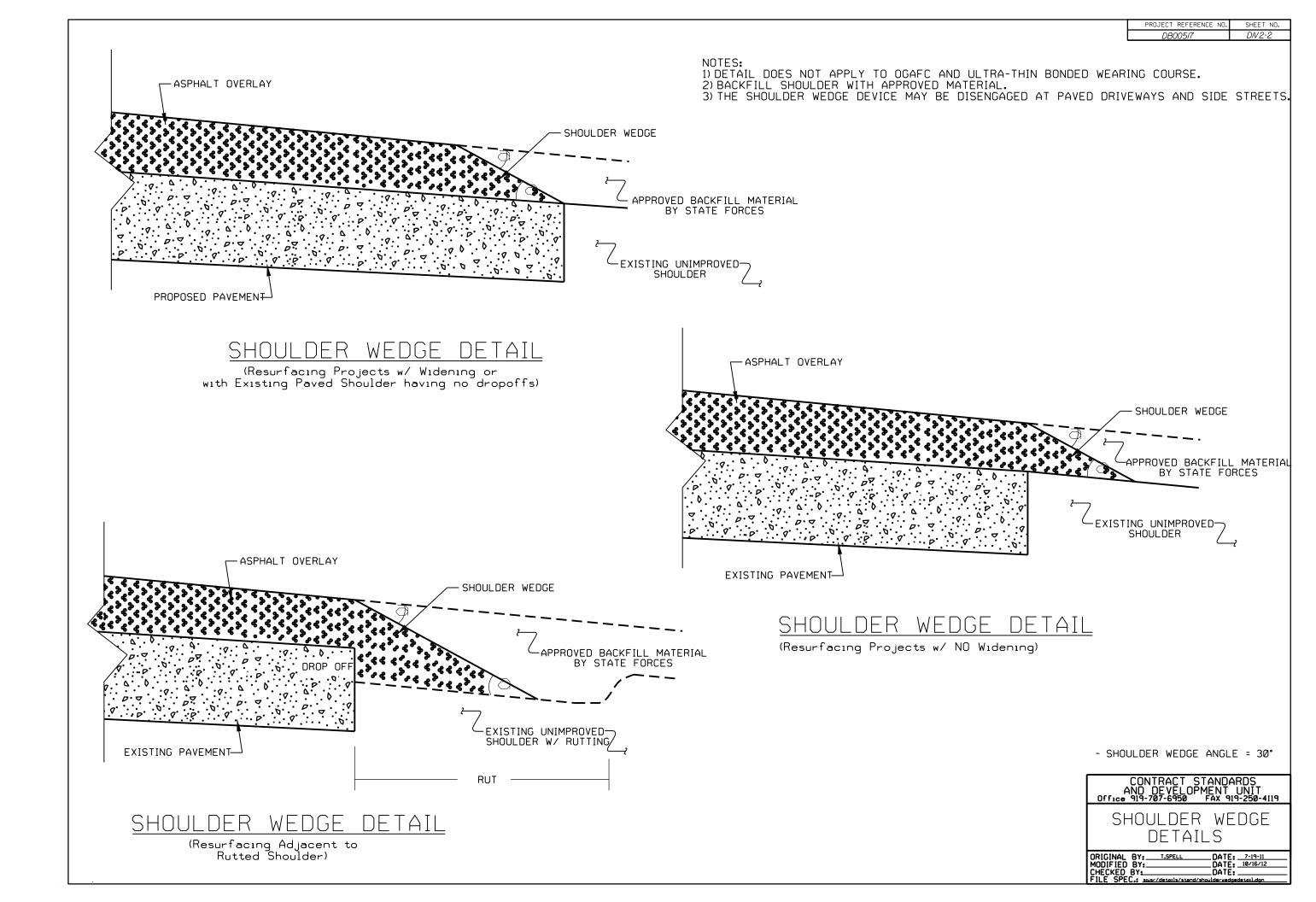
1. INCLUDES MILLING FOR THE ENTIRE WIDTH OF THE BRIDGE WEARING SURFACE, AS DIRECTED BY THE ENGINEER.

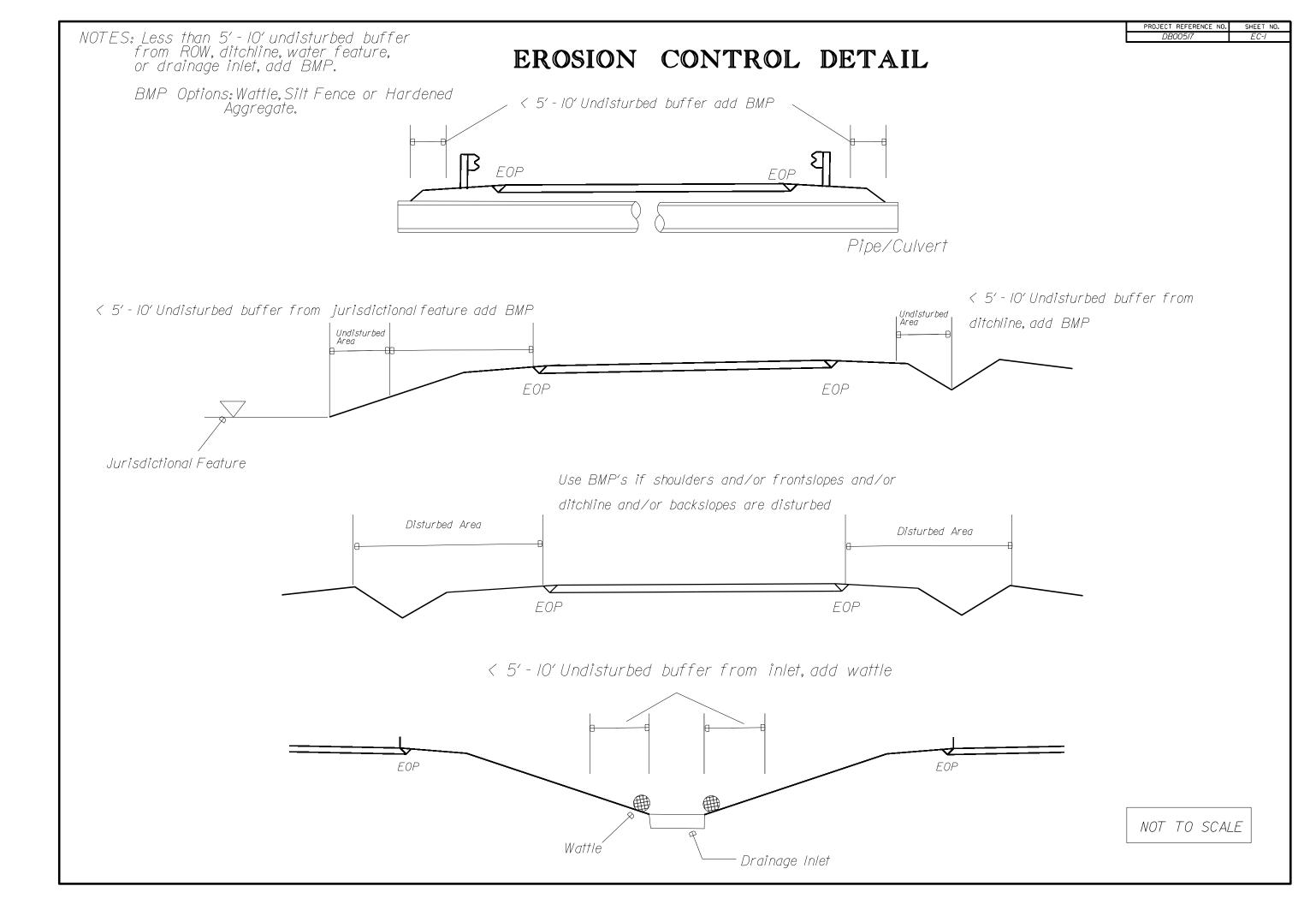


SHOULDER RECONSTRUCTION DETAIL

NOTE:

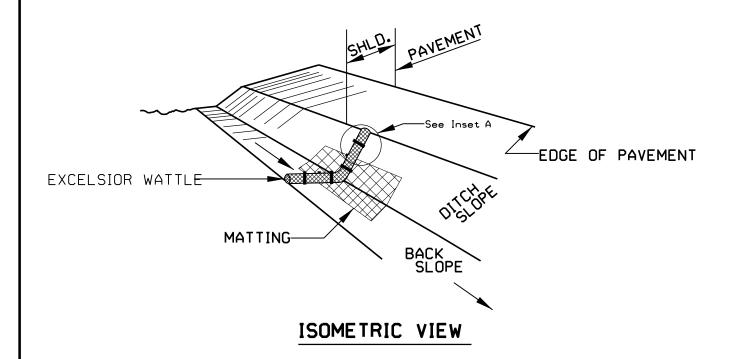
- SHOULDERS SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE POSITIVE DRAINAGE AWAY FROM THE ROADWAY.
 A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE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

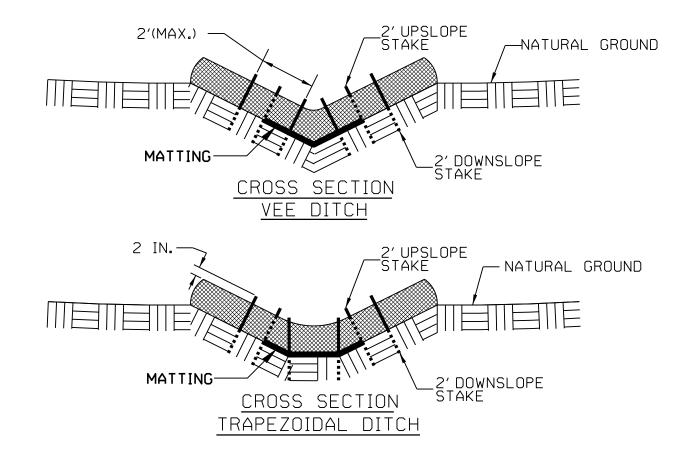




PROJECT REFERENCE NO. SHEET NO. PRO0517 FC-2

WATTLE DETAIL





NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

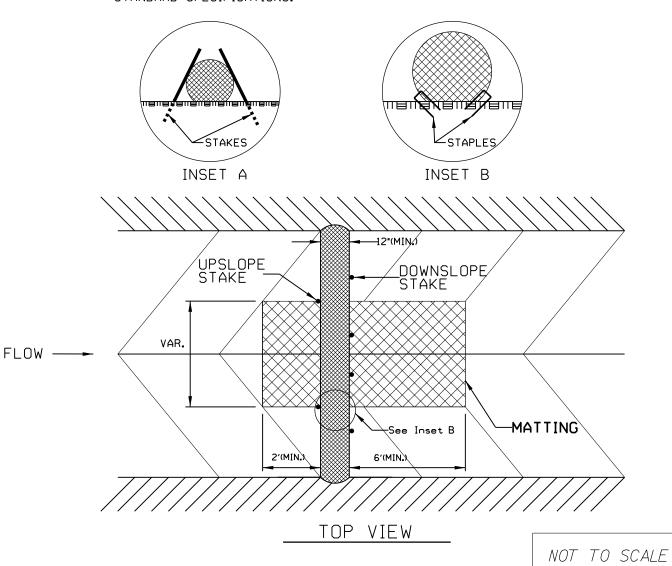
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

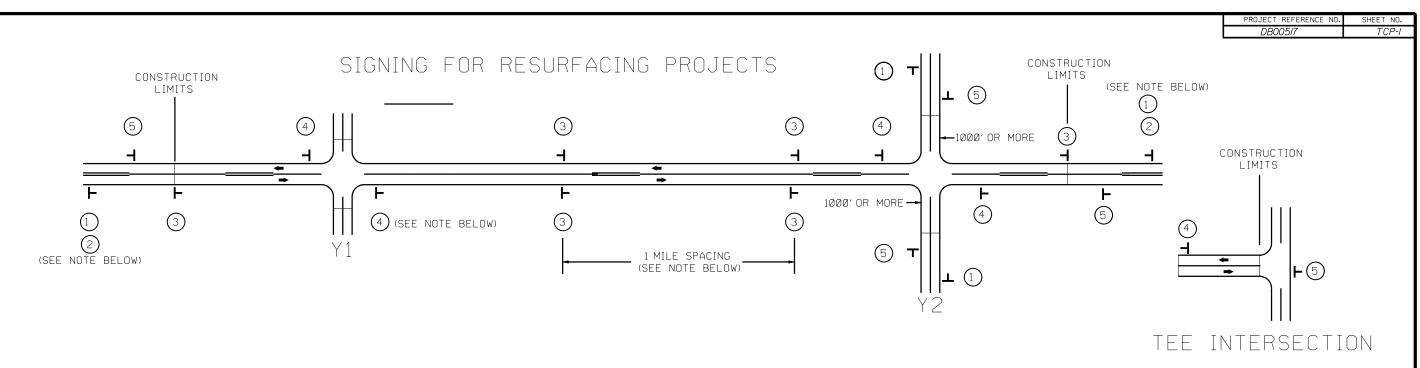
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

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.





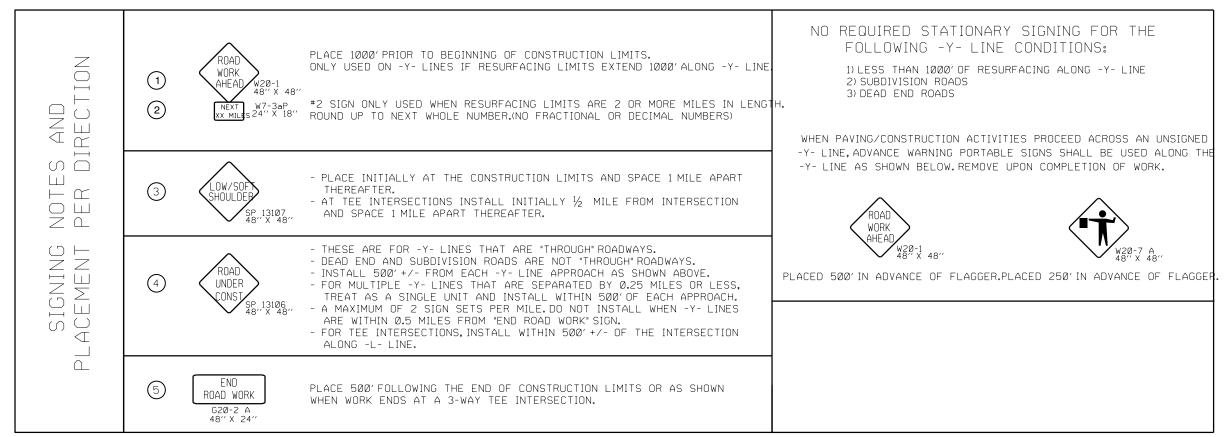
LEGEND

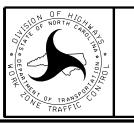
► STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING





RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS