

BEAUFORT, CRAVEN, JONES, PAMLICO, ONSLOW COUNTY

DB00385

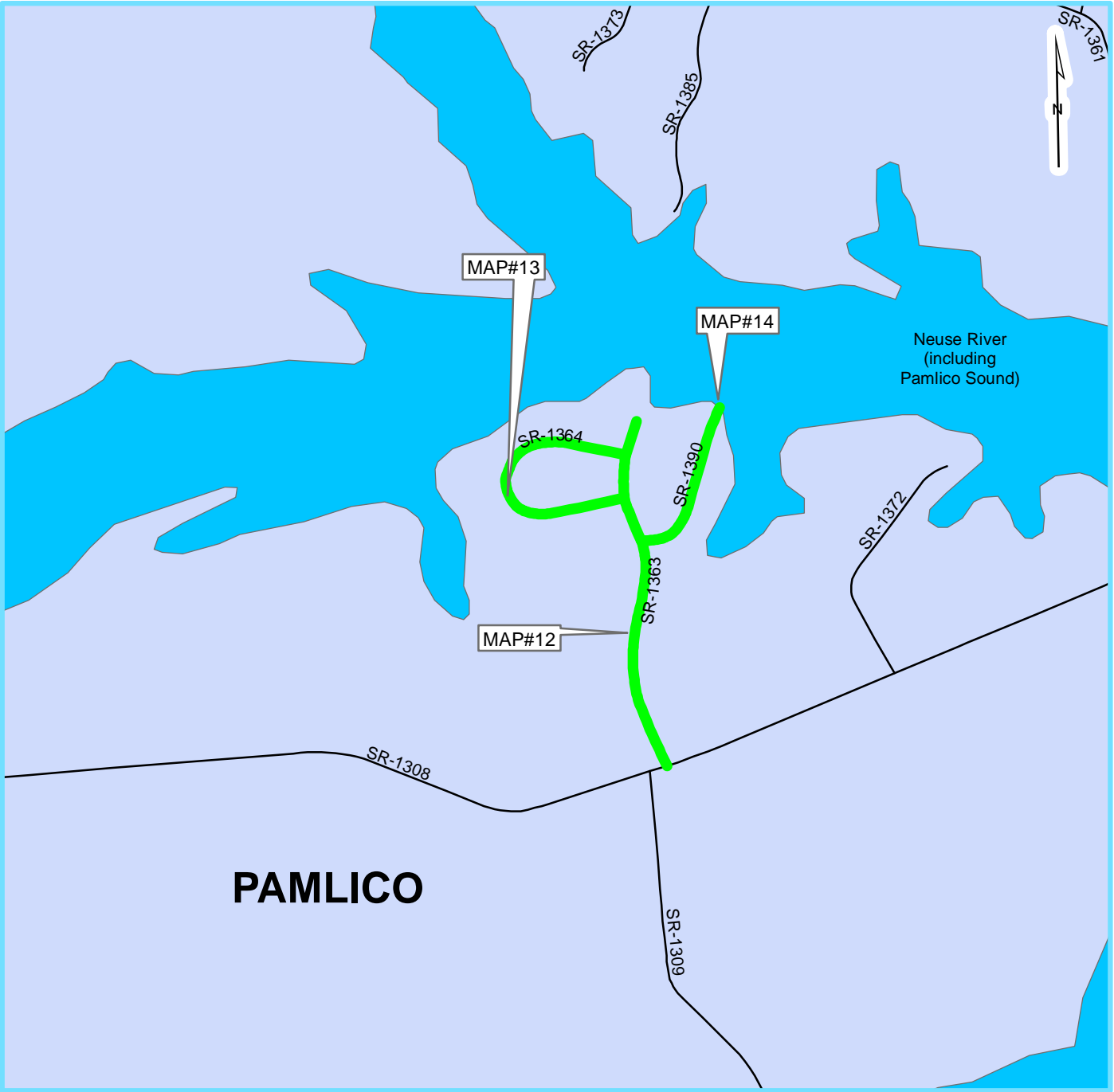
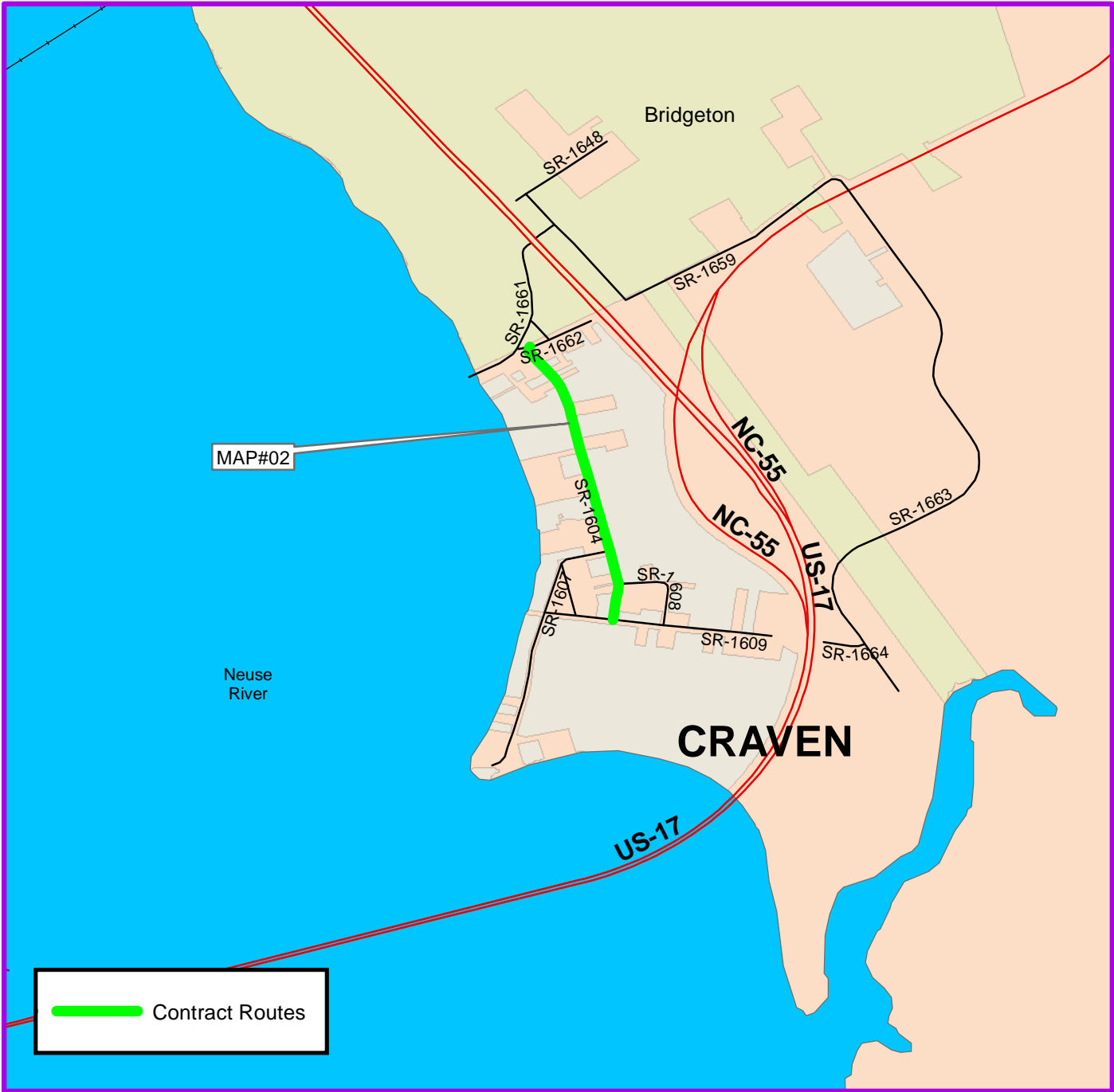
**WBS# 2018CPT.02.29.20071
2018CPT.02.30.20251
2018CPT.02.32.20521
2018CPT.02.34.20691
2018CPT.03.07.20671 (PARTIAL PAVING IN ONSLOW CO.)**

**TYPE OF WORK: MILL PATCHING, WIDENING, STRENGTHENING, RESURFACING,
SHOULDER RECONSTRUCTION**

PROJECT REFERENCE NO.	SHEET NO.
DB00385	2

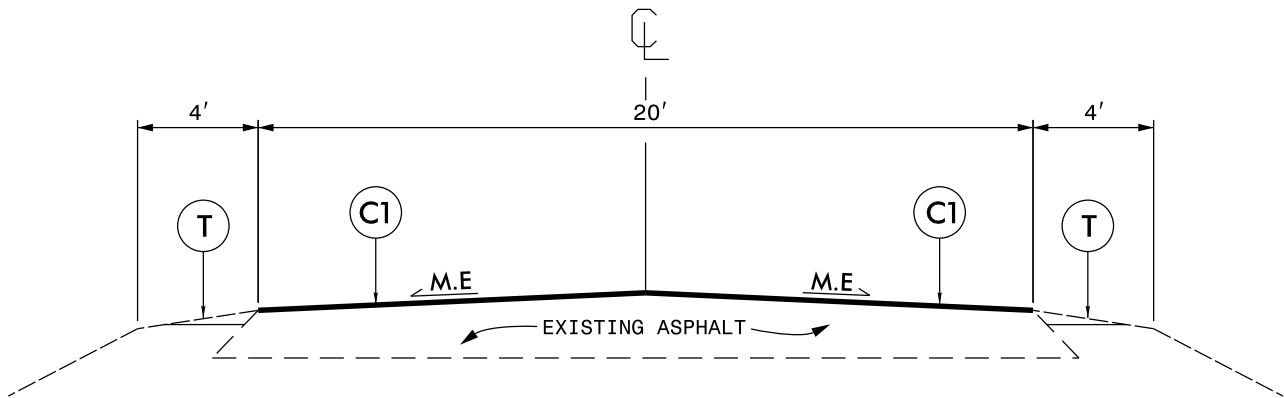


NCDOT
DIVISION 2



TYPICAL SECTION NO. 1

MAPS 1,3,5,6,8,9,10,11,12,13,14

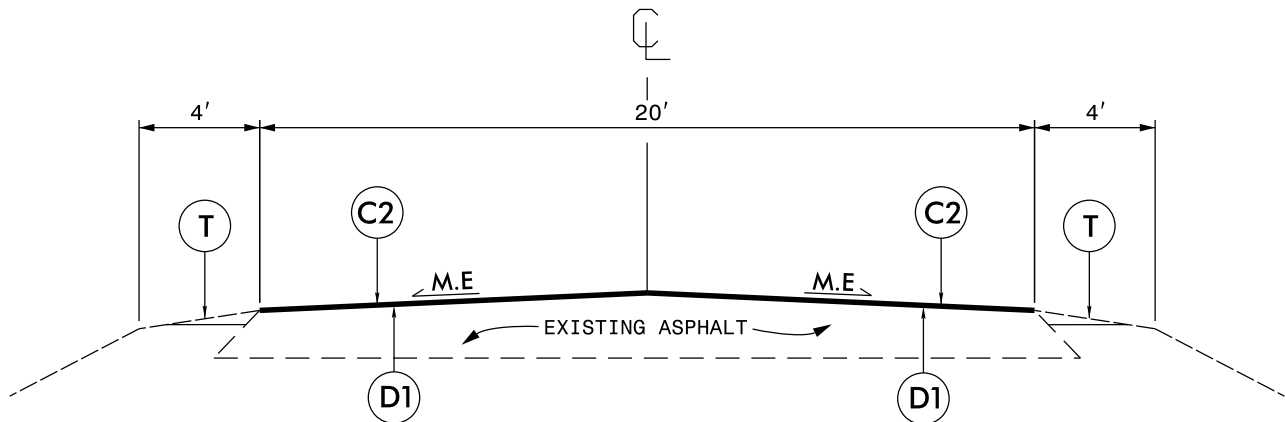


NOTE:

1. PERFORM FULL DEPTH MILL PATCHING AT LOCATIONS AND WIDTHS AS SHOWN IN THE ATTACHED TABLES. PLACE ASPHALT BASE COURSE B 25.0B IN ONE LIFT TO BACKFILL.
2. PLACE ASPHALT INTERMEDIATE 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. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT.
5. PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.

TYPICAL SECTION NO. 2

MAPS 2,4



NOTE:

1. PERFORM FULL DEPTH MILL PATCHING AT LOCATIONS AND WIDTHS AS SHOWN IN THE ATTACHED TABLES. PLACE ASPHALT BASE COURSE B 25.0B IN ONE LIFT TO BACKFILL.
2. PLACE ASPHALT INTERMEDIATE 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. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT.
5. PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.

PAVEMENT SCHEDULE

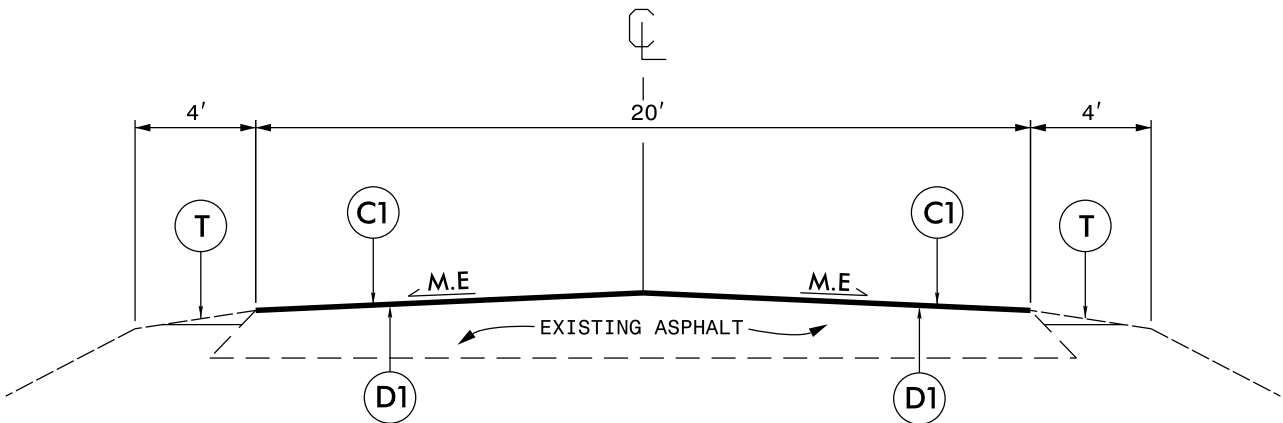
C1	PROP. APPROX. 1 3/4" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 192.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165.0 LBS. PER SQ. YD.
D1	PROP. APPROX. 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 285.0 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING.
V2	MILLING DEPTH 1 1/2" FOR THE ENTIRE WIDTH OF ROADWAY.
T	SHOULDER RECONSTRUCTION

DRAWINGS NOT TO SCALE

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

TYPICAL SECTION NO. 3

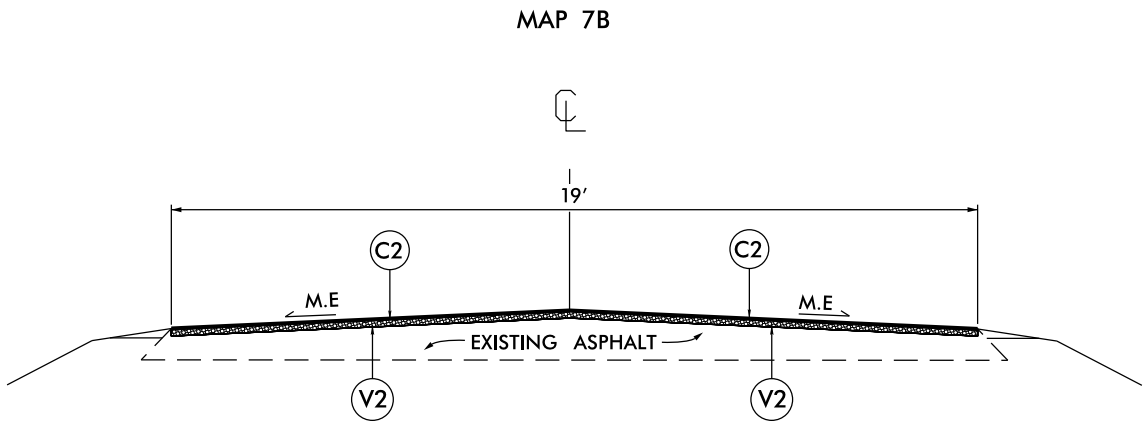
MAP 7A



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.

TYPICAL SECTION NO. 4



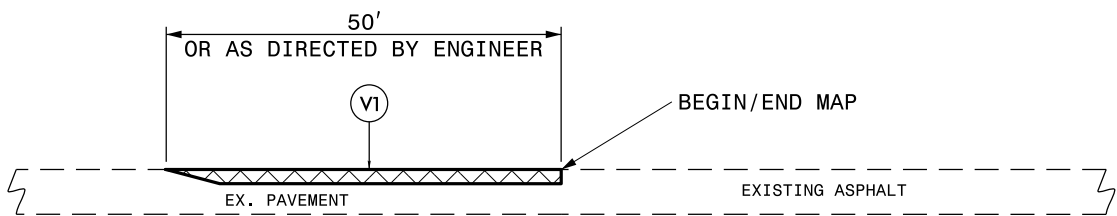
NOTE:

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

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 3/4" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 192.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165.0 LBS. PER SQ. YD.
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V1	INCIDENTAL MILLING.
V2	MILLING DEPTH 1 1/2" FOR THE ENTIRE WIDTH OF ROADWAY.
T	SHOULDER RECONSTRUCTION
DRAWINGS NOT TO SCALE	

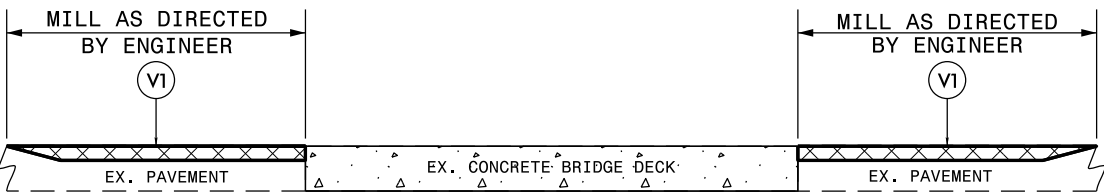
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

MILLING TYPICALS



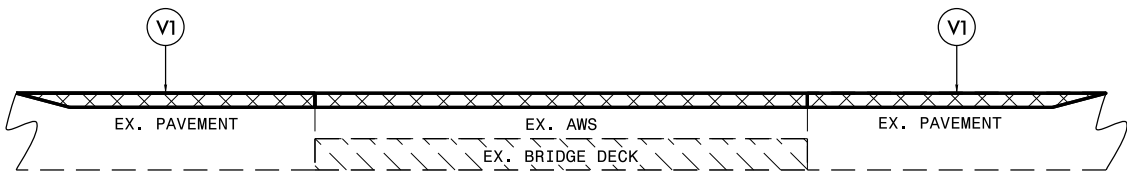
DETAIL 1
BEGIN/END MAP TIE-IN

- 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

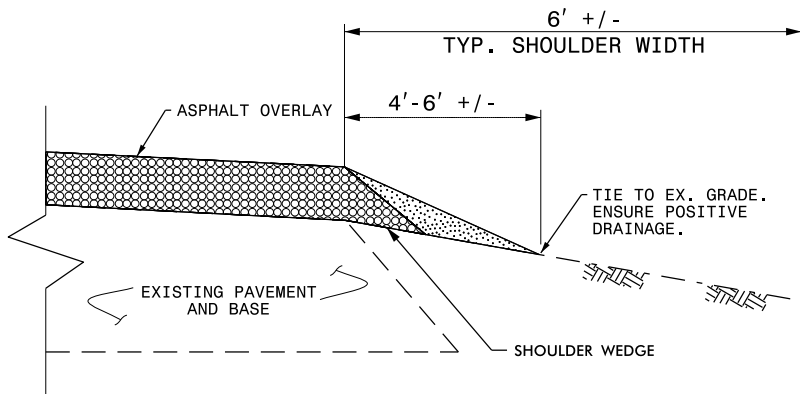
- NOTE:**
1. MILLING SHALL BE PERFORMED AT THE BRIDGE APPROACHES AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.



DETAIL 3
BRIDGE MILLING

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

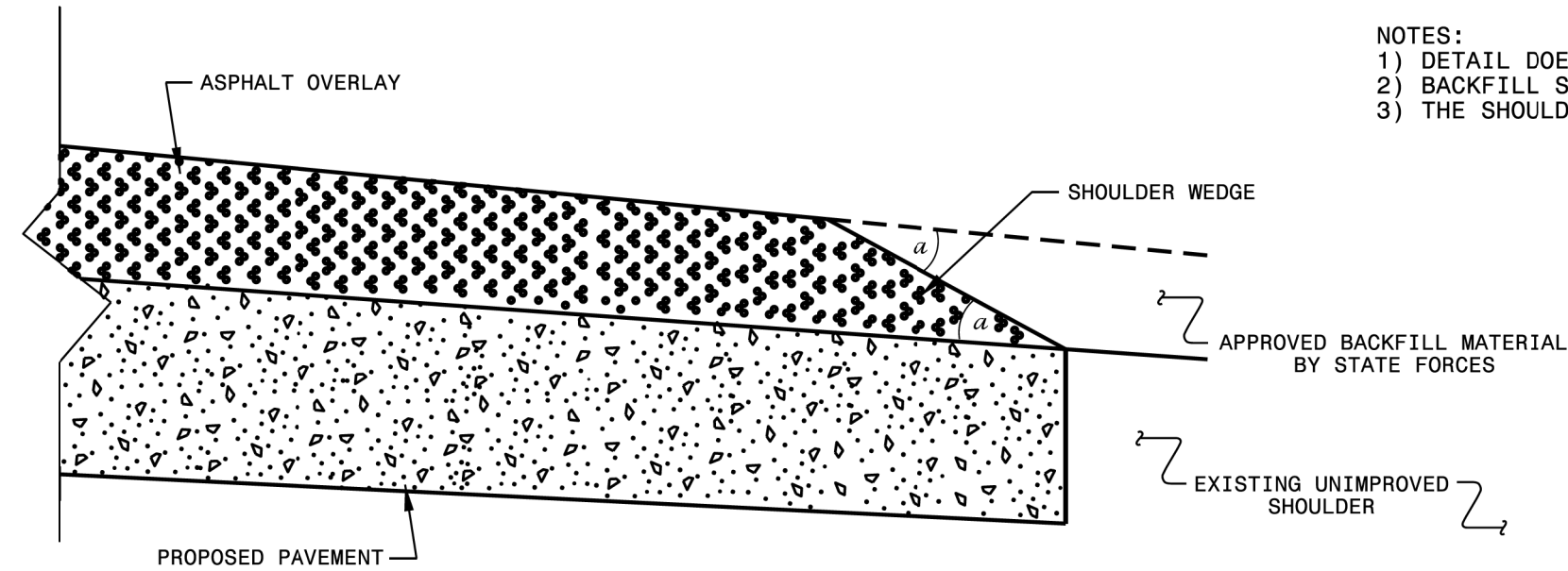
SHOULDER RECONSTRUCTION TYPICAL



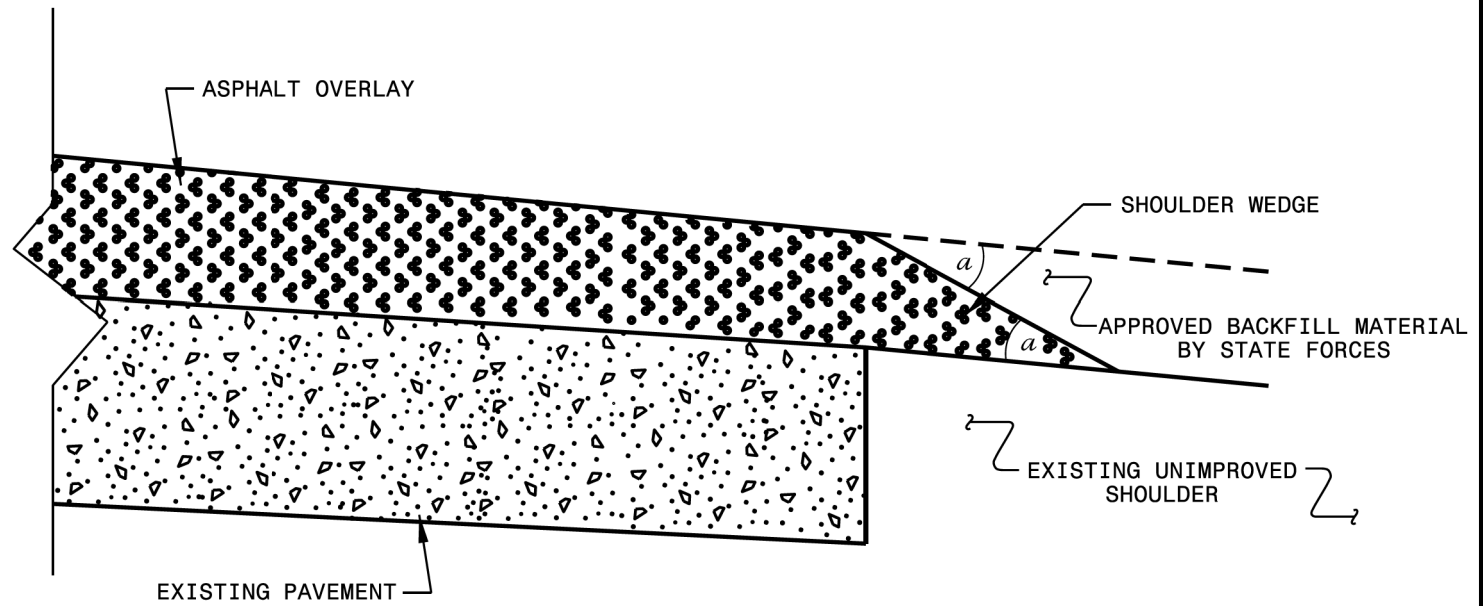
SHOULDER RECONSTRUCTION DETAIL

- 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.

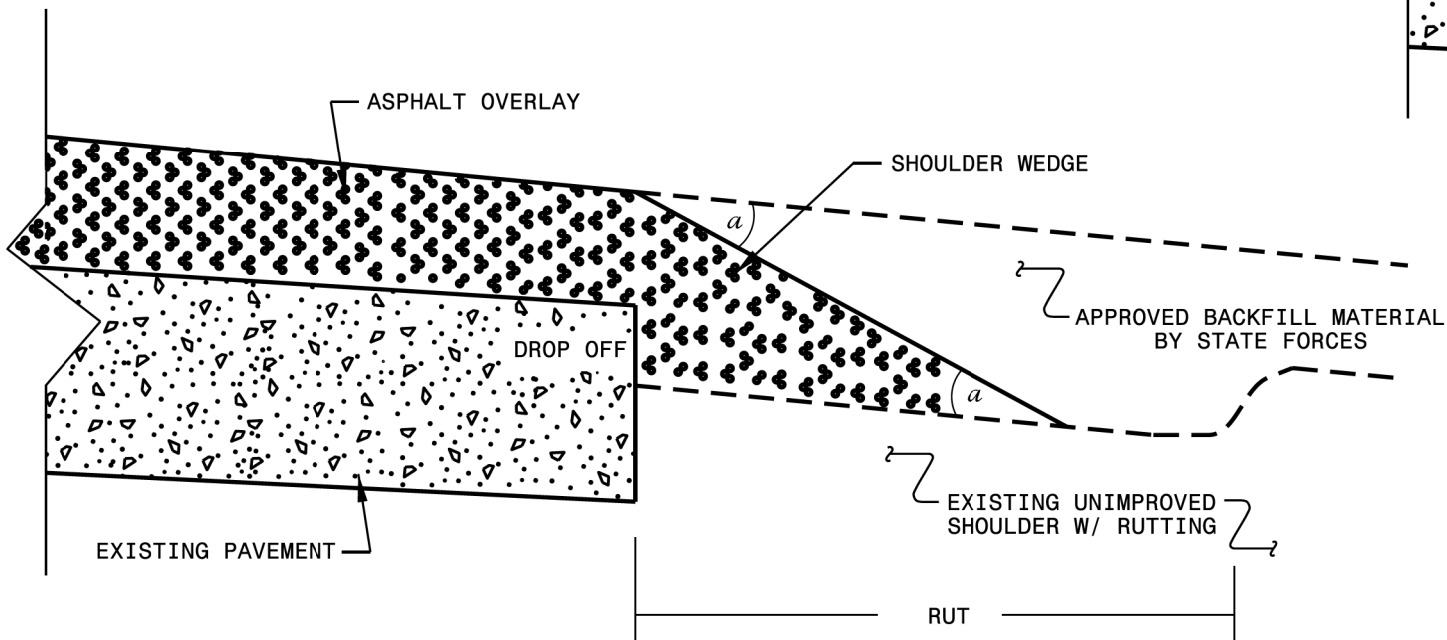
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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)

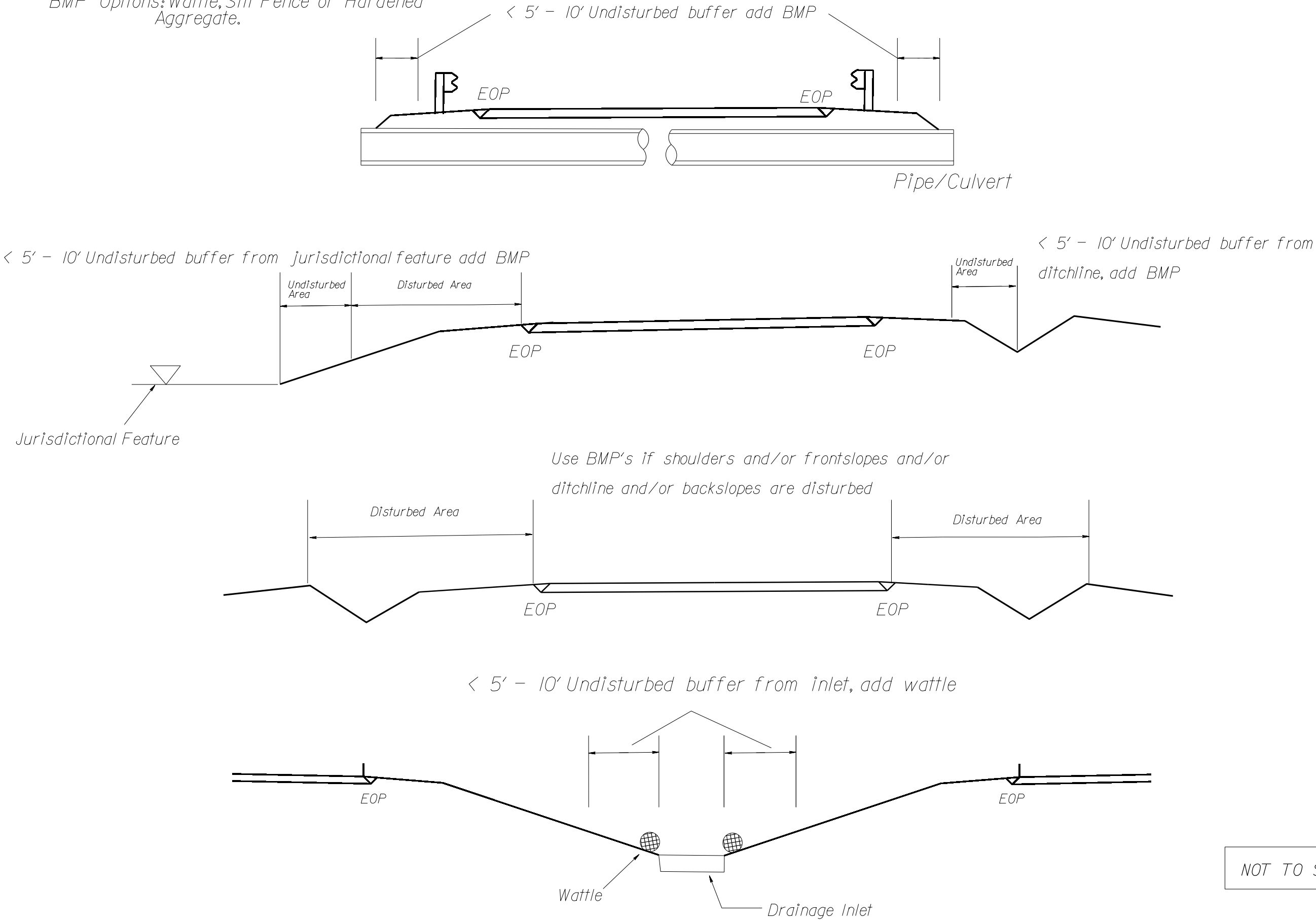
- SHOULDER WEDGE ANGLE = 30°

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		

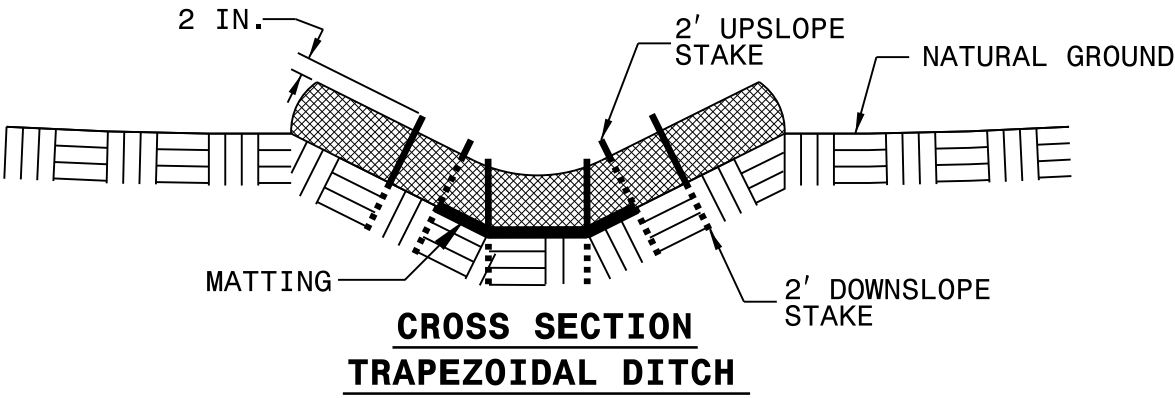
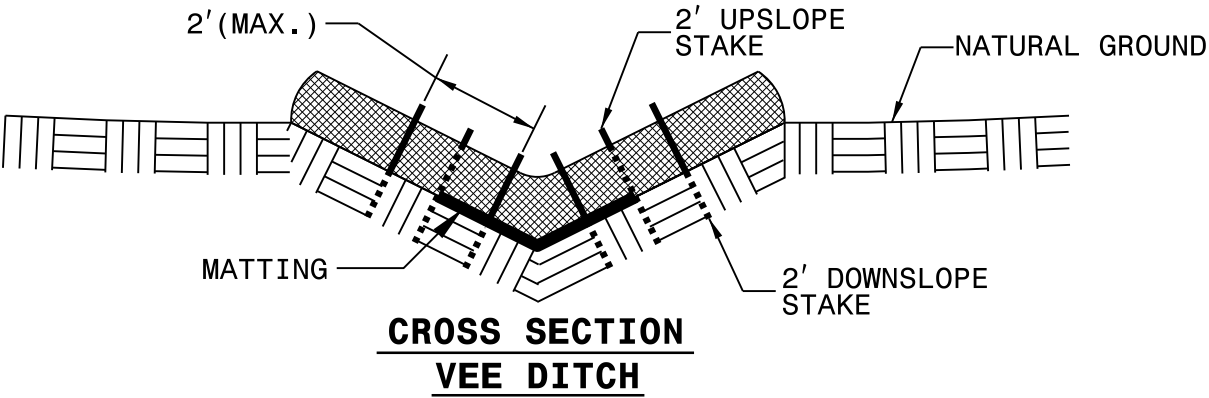
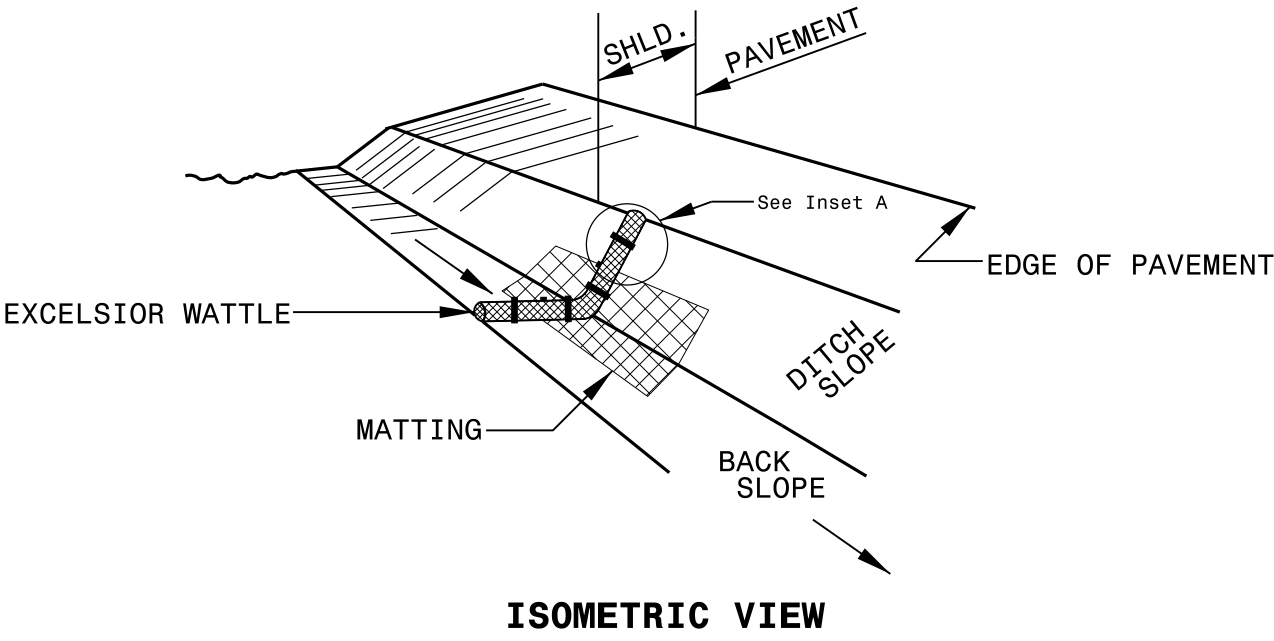
NOTES: Less than 5' – 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

EROSION CONTROL DETAIL



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.

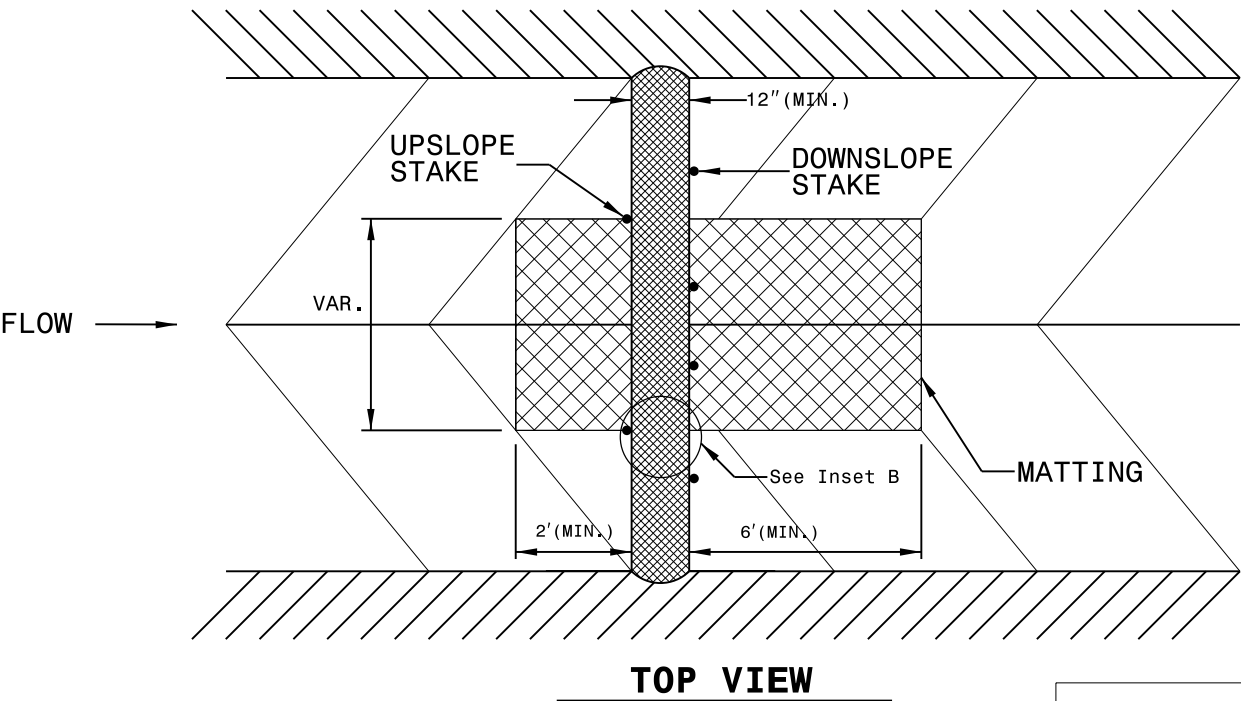
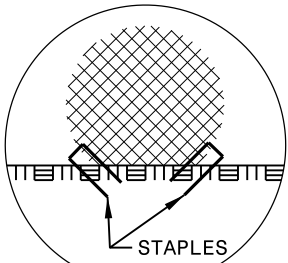
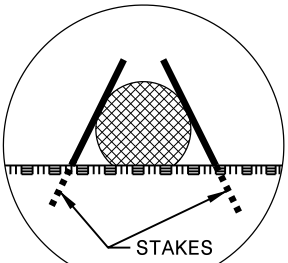
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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.

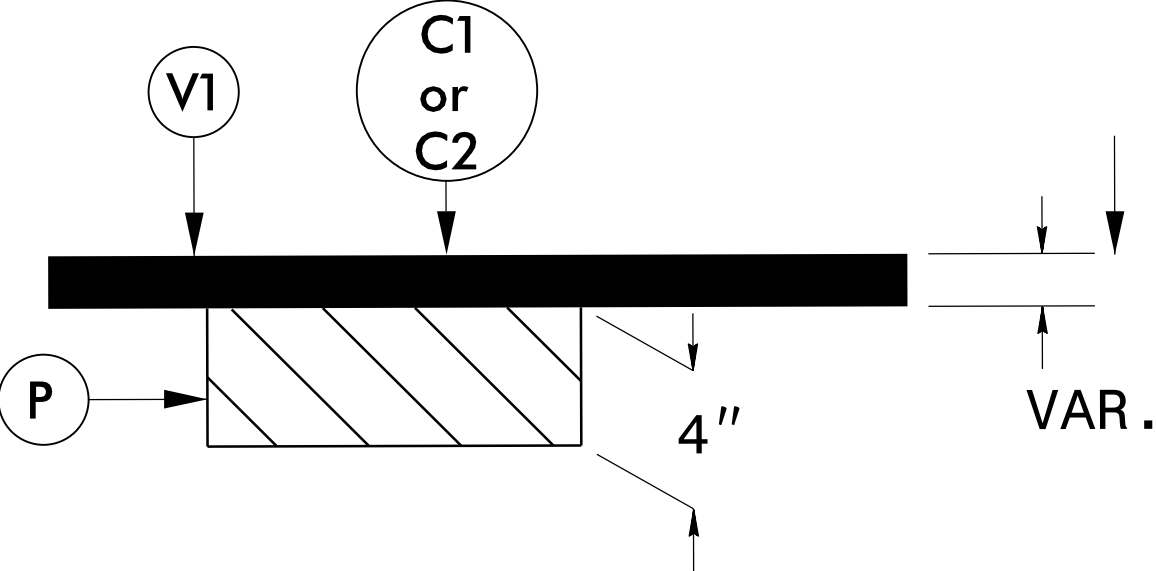
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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



NOT TO SCALE

4" DEPTH MILL PATCHING DETAIL



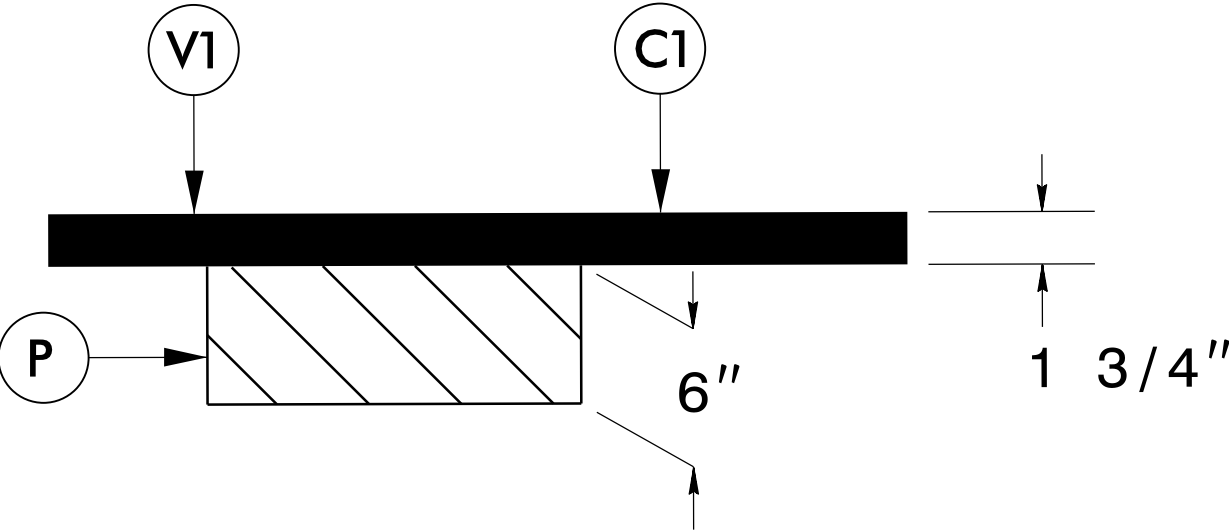
PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1½" OF ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 1¾" OF ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5A, AT AN AVERAGE RATE OF 192.5 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING
P	4" DEPTH MILL PATCHING W/ B 25.0B
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 4" DEPTH MILL PATCHING REMOVAL AND REPLACEMENT IN THE SAME DAY.
- 3. 4" DEPTH MILL PATCHING SHALL BE PERFORMED AT LOCATIONS AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1¾" OF ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5A, AT AN AVERAGE RATE OF 192.5 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING
P	6" DEPTH MILL PATCHING W/ B 25.0B
DRAWINGS NOT TO SCALE	

6" DEPTH MILL PATCHING DETAIL



NOTE:

- 1. THE CONTRACTOR SHALL PERFORM ANY UNIFORM OR INCIDENTAL MILLING AT TIE-INS BEFORE PERFORMING THE 6" DEPTH MILL PATCHING.
- 2. THE CONTRACTOR SHALL PERFORM THE 6" DEPTH MILL PATCHING REMOVAL AND REPLACEMENT IN THE SAME DAY.
- 3. 6" DEPTH MILL PATCHING SHALL BE PERFORMED AT LOCATIONS AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

FULL DEPTH MILL PATCHING - 6" DEPTH - B 25.0B MIX

MAP #	FROM STATION	TO STATION	-LT- WIDTH (FT)	-RT- WIDTH (FT)
03	5+13	11+48		7
03	7+49	11+48	7	
03	14+23	17+31	7	
03	14+23	16+00		7
03	17+31	31+71		7
03	20+56	31+71	7	
03	31+71	36+32	10	10
03	36+32	38+27	7	
03	38+93	45+84	7	
03	40+35	41+15		7
03	42+27	43+29		7
03	69+26	70+74		7
03	69+26	70+74	7	
03	70+74	71+65	10	10
03	71+65	76+66	7	
03	76+66	77+57	10	
03	77+57	84+59	7	
03	89+62	91+77	7	
03	89+62	90+80		7
03	92+76	103+83	7	
03	92+76	94+40		7
03	108+48	110+71	7	
03	118+94	125+11	7	
03	126+30	127+89	7	
03	132+65	133+45		7
03	133+45	137+84	7	
03	140+21	146+24		7
03	141+62	143+31	7	
03	153+66	156+99		10
03	157+54	160+68		7
03	160+68	166+08	7	
03	161+40	162+89		7
03	168+18	175+40	7	
03	168+18	169+52		7
03	170+48	171+33		7
03	172+96	177+90		7
03	179+23	181+34	7	
03	187+93	191+83	7	
03	193+19	194+03	7	
03	193+93	194+82		7
03	196+94	206+20	7	
03	199+07	200+68		7
03	208+54	209+33	7	
03	208+54	209+73		7
03	210+32	210+81		7
03	210+81	212+56	7	

FULL DEPTH MILL PATCHING - 6" DEPTH - B 25.0B MIX

MAP #	FROM STATION	TO STATION	-LT- WIDTH (FT)	-RT- WIDTH (FT)
03	211+22	212+56		7
03	219+39	220+77	7	
03	223+48	225+24	7	
03	228+87	229+45	7	
03	242+32	243+40	7	
03	246+20	247+66	7	
03	253+17	259+16		7
03	258+47	262+86	7	
03	265+80	266+21	7	
03	268+91	270+33	7	
03	272+30	274+16	7	
03	274+96	277+97	7	
03	278+84	279+74	7	
03	291+00	292+14		7
03	299+08	299+97		7
03	299+63	301+08	7	
03	304+56	306+65	7	
03	304+89	308+23		7
03	309+28	311+52	7	
03	309+48	310+00		7
03	317+46	321+86		7
03	319+31	320+58	7	
03	325+04	328+05		7
03	330+63	331+31	7	
03	334+04	337+52	7	
03	346+32	350+99	7	
03	358+06	358+70	7	
03	359+08	361+10		7
03	361+85	363+09	10	
03	365+57	368+34	7	

PROJECT NO.	SHEET NO.	TOTAL NO.
DB00385	13	

THERMOPLASTIC AND PAINT QUANTITIES

										4413000000-E	4457000000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL
								MI	FT	SF	LS
2018CPT.02.29.20071	Beaufort	1	SR 1936	FROM SR 1955 TO SR 1946	1	2	2WU	5.84	18	325	0.15
TOTAL FOR MAP NO. 1								5.84		325	0.15
TOTAL FOR PROJ NO. 2018CPT.02.29.20071								5.84		325	0.15
2018CPT.02.30.20251	Craven	2	SR 1604	FROM SR 1662 TO SR 09	2	2	2WU	0.62	18		0.03
TOTAL FOR MAP NO. 2								0.62			0.03
2018CPT.02.30.20251	Craven	3	SR 1621	FROM BEAUFORT COUNTY TO SR 1628	1	2	2WU	8.88	20	1,000	0.44
TOTAL FOR MAP NO. 3								8.88		1,000	0.44
2018CPT.02.30.20251	Craven	4	SR 1628	FROM SR 1482 TO SR 1621	2	2	2WU	0.24	20	30	0.01
TOTAL FOR MAP NO. 4								0.24		30	0.01
TOTAL FOR PROJ NO. 2018CPT.02.30.20251								9.74		1,030	0.48
2018CPT.02.32.20521	Jones	5	SR 1112	FROM SR 1114 TO US 17	1	2	2WU	1.56	20	175	0.08
TOTAL FOR MAP NO. 5								1.56		175	0.08
2018CPT.02.32.20521	Jones	6	SR 1113	FROM SR 1112 TO DEAD END	1	2	2WU	0.46	18	55	0.02
TOTAL FOR MAP NO. 6								0.46		55	0.02
2018CPT.02.32.20521	Jones	7A	SR 1118	FROM SR 1116 TO 326FT WEST OF GIBSON BRIDGE	3	2	2WU	0.95	21	110	0.05
TOTAL FOR MAP NO. 7A								0.95		110	0.05
2018CPT.02.32.20521	Jones	8	SR 1325	FROM NC 58 TO DEAD END	1	2	2WU	0.56	20	110	0.03
TOTAL FOR MAP NO. 8								0.56		110	0.03
2018CPT.02.32.20521	Jones	9	SR 1337	FROM SR 1338 TO US 17	1	2	2WU	2.30	20	300	0.12
TOTAL FOR MAP NO. 9								2.30		300	0.12
2018CPT.02.32.20521	Jones	10	SR 1338	FROM SR 1337 TO NC 58	1	2	2WU	0.20	19	25	0.01
TOTAL FOR MAP NO. 10								0.20		25	0.01
2018CPT.02.32.20521	Jones	11	SR 1354	FROM COLONIAL STREET TO NC 58	1	2	2WU	0.13	16	15	0.01
TOTAL FOR MAP NO. 11								0.13		15	0.01
TOTAL FOR PROJ NO. 2018CPT.02.32.20521								6.16		790	0.32
2018.CPT.02.34.20691	Pamlico	12	SR 1363	FROM SR 1308 TO DEAD END	1	2	2WU	0.50	18	60	0.02
TOTAL FOR MAP NO. 12								0.50		60	0.02
2018.CPT.02.34.20691	Pamlico	13	SR 1364	FROM SR 1363 TO SR 1363	1	2	2WU	0.34	18	40	0.02
TOTAL FOR MAP NO. 13								0.34		40	0.02
2018.CPT.02.34.20691	Pamlico	14	SR 1390	FROM SR 1363 TO DEAD END	1	2	2WU	0.22	18	25	0.01
TOTAL FOR MAP NO. 14								0.22		25	0.01
TOTAL FOR PROJ NO. 2018.CPT.02.34.20691								1.06		125	0.05
2018CPT.03.07.20671	Onslow	7B	SR 1332	FROM JONES COUNTY TO 326' WEST OF GIBSON BRIDGE	4	2	2WU	0.06	20		
TOTAL FOR MAP NO. 7B								0.06			
TOTAL FOR PROJ NO. 2018CPT.03.07.20671								0.06			
GRAND TOTAL								22.864		2,270	1

