

09/08/99

CONTRACT: DA00423 WBS PROJECT: 2019CPT.01.03.10151.1, ETC.

\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DGN\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$

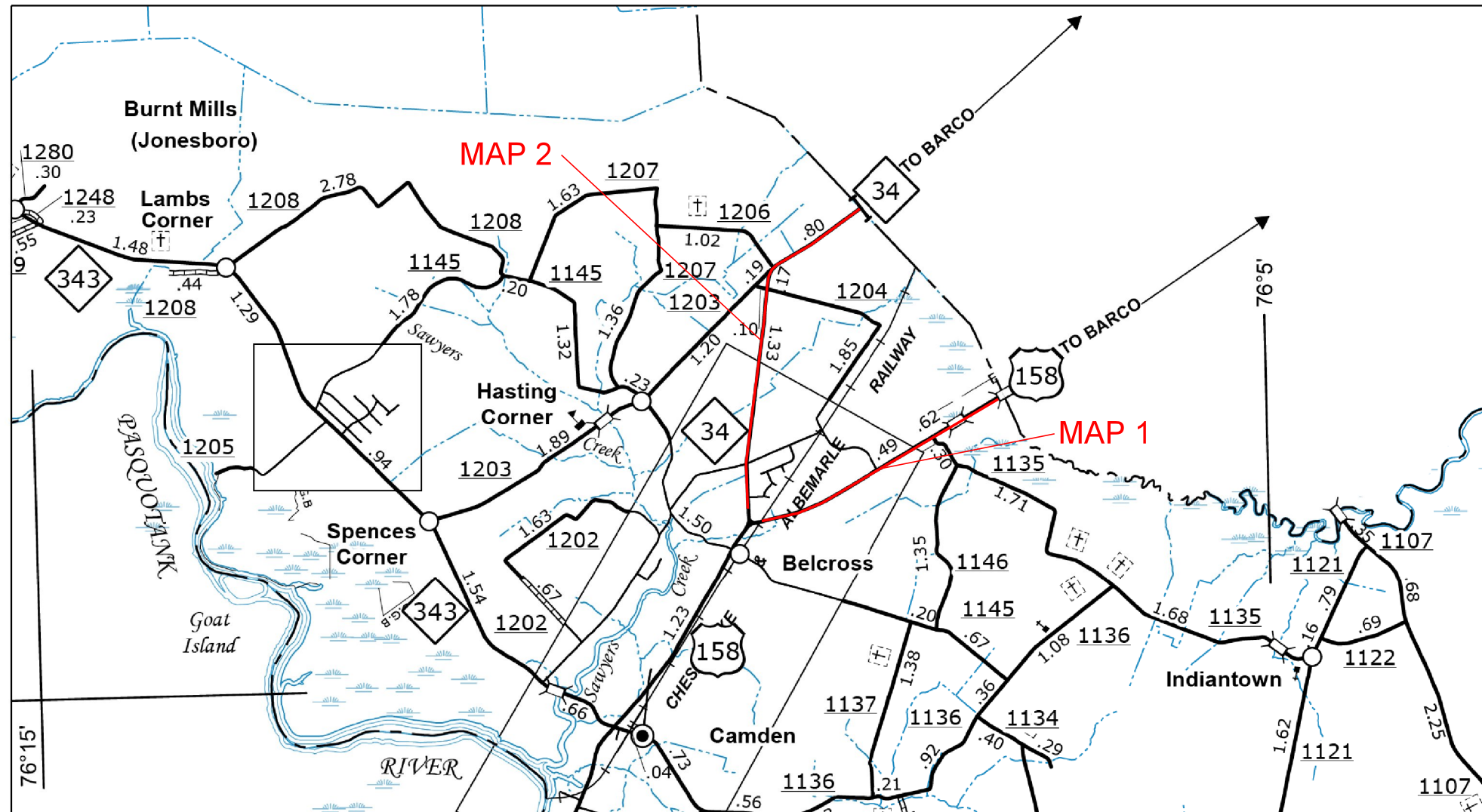
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**CAMDEN COUNTY**

LOCATION: MAP 1 US 158 FROM JOINT AT RR TRACKS TO CURRITUCK CO.  
MAP 2 NC 34 FROM 520' NORTH OF US 158 TO CURRITUCK CO.

TYPE OF WORK: MILLING, RESURFACING, AND LONG-LIFE PAVEMENT MARKINGS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.01.03.10151.1, ETC.	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2019CPT.01.03.10151.1		MAPS 1-2	



**NTS**

**PROJECT LENGTH**

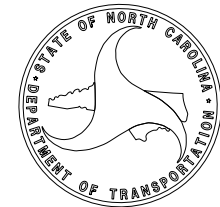
LENGTH OF ROADWAY PROJECT MAP 1 = 1.97 MI.  
LENGTH OF ROADWAY PROJECT MAP 2 = 2.67 MI.

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
113 Airport Dr., Edenton NC, 27932

2018 STANDARD SPECIFICATIONS

**W.B. HOBBS, P.E.**  
DIVISION PROJECT MANAGER

**C.E. SLACHTA**  
DIVISION PROPOSALS ENGINEER



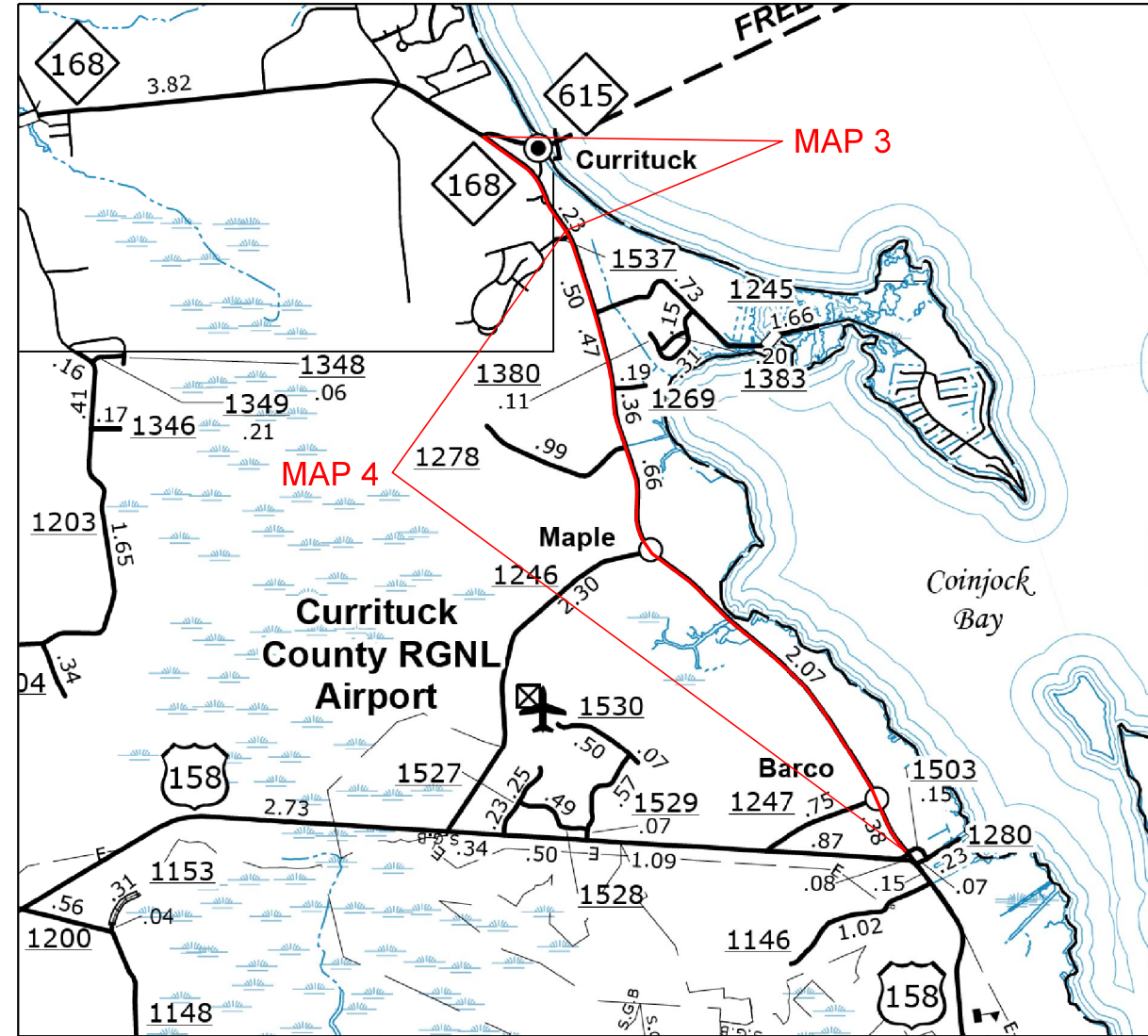
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.01.03.10151.1, ETC.	2	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2019CPT.01.03.10271.1		MAPS 3-4	

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**CURRITUCK COUNTY**

LOCATION: MAP 3 NC 168 FROM SR 1242 TO END C & G  
MAP 4 NC 168 FROM END C & G TO US 158

TYPE OF WORK: MILLING, RESURFACING, OPEN GRADE FRICTION COURSE, AND LONG-LIFE PAVEMENT MARKINGS



CONTRACT: DA00423 WBS PROJECT: 2019CPT.01.03.10151.1, ETC.

\$\$\$\$\$ SYSTEM TIME\$\$\$\$\$  
\$\$\$\$\$ DDON\$\$\$\$\$  
\$\$\$\$\$ USERNAME\$\$\$\$\$

**NTS**

**PROJECT LENGTH**

LENGTH OF ROADWAY PROJECT MAP 3 = 0.73 MI.  
LENGTH OF ROADWAY PROJECT MAP 4 = 4.41 MI.

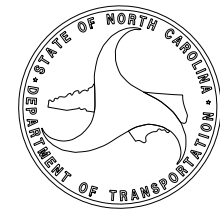
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**

113 Airport Dr., Edenton NC, 27932

2018 STANDARD SPECIFICATIONS

W.B. HOBBS, P.E.  
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DIVISION PROPOSALS ENGINEER



09/08/99

CONTRACT: DA00423 WBS PROJECT: 2019CPT.01.03.10151.1, ETC.

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

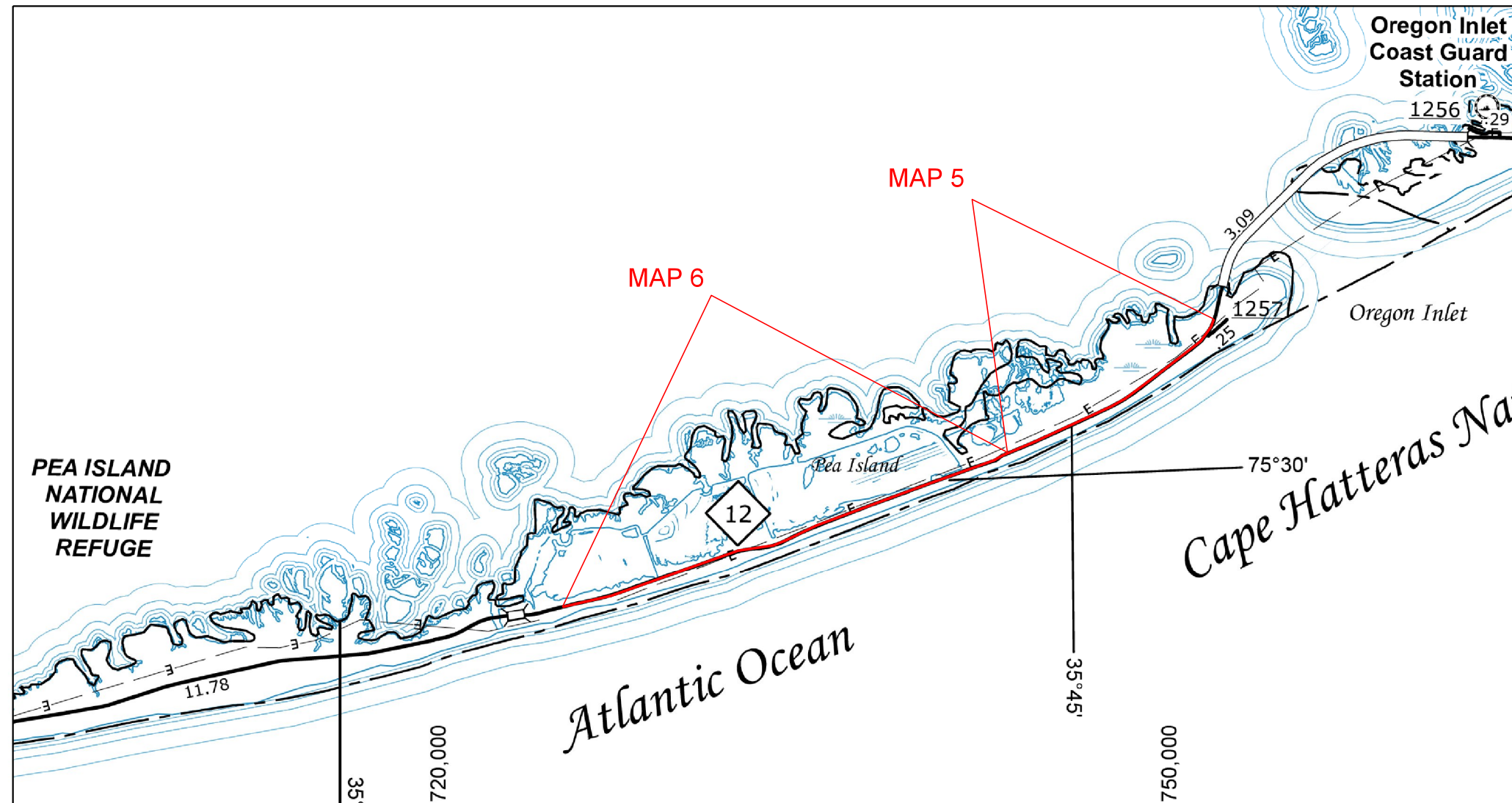
**DARE COUNTY**

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.01.03.10151.1, ETC.	3	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2019CPT.01.03.10281.1		MAPS 5-6	



LOCATION: MAP 5 NC 12 FROM BONNER BRIDGE JOINT TO BEGIN 30' PAVEMENT  
MAP 6 NC 12 FROM BEGIN 30' PAVEMENT TO NEW INLET BRIDGE JOINT

TYPE OF WORK: MILLING, WIDENING, RESURFACING, AND LONG-LIFE PAVEMENT MARKINGS



**NTS**

**PROJECT LENGTH**

LENGTH OF ROADWAY PROJECT MAP 5 = 1.78 MI.

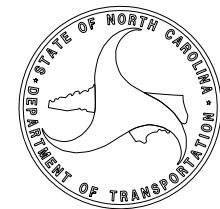
LENGTH OF ROADWAY PROJECT MAP 6 = 3.32 MI.

Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
113 Airport Dr., Edenton NC, 27932

2018 STANDARD SPECIFICATIONS

**W.B. HOBBS, P.E.**  
DIVISION PROJECT MANAGER

**C.E. SLACHTA**  
DIVISION PROPOSALS ENGINEER



\$\$\$\$\$SYTIME\$\$\$\$\$  
\$\$\$\$\$DDON\$\$\$\$\$  
\$\$\$\$\$USERNAME\$\$\$\$\$

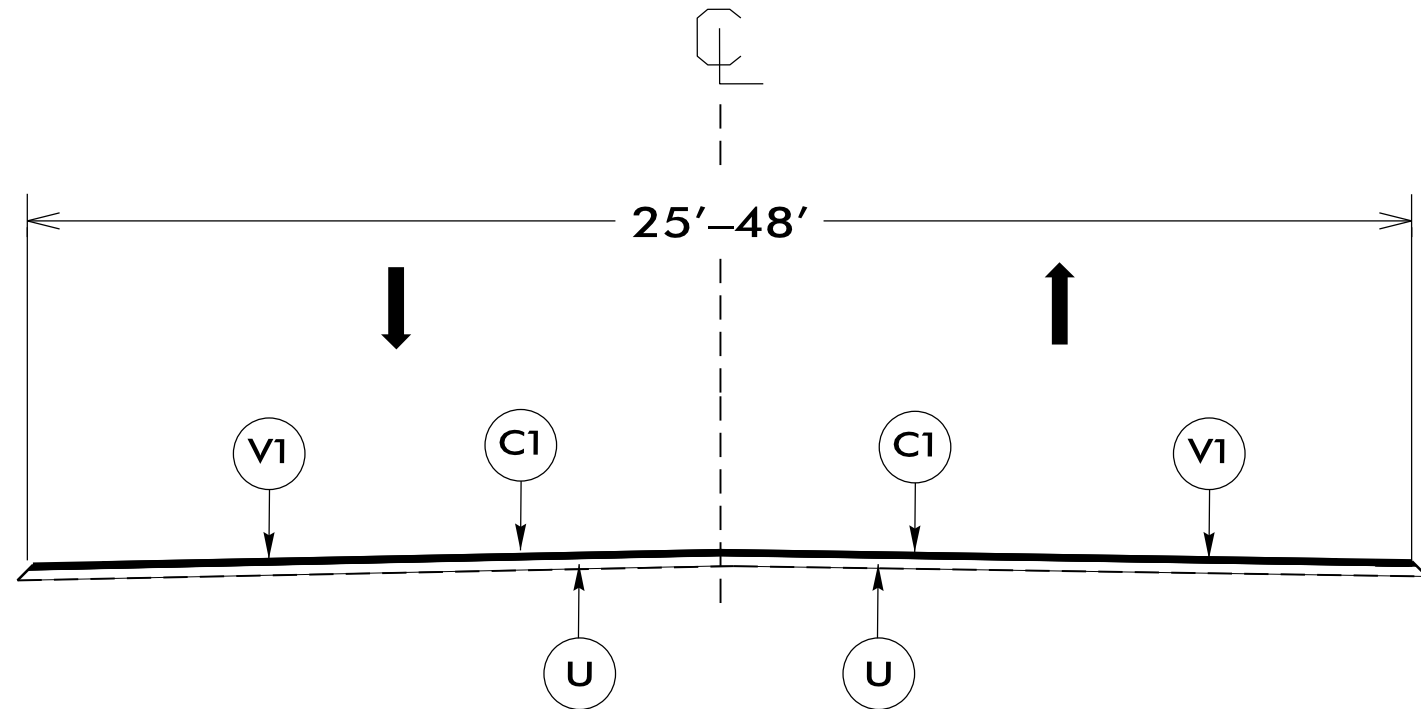
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V1	MILLING ASPHALT PAVEMENT. 1.5" IN DEPTH.
U	EXISTING PAVEMENT.

NOTES:

\*ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII., OR AS DIRECTED BY THE ENGINEER

\*EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES



**TYPICAL SECTION NO. 1**

USE WITH MAPS 1, 2, & 6

NTS

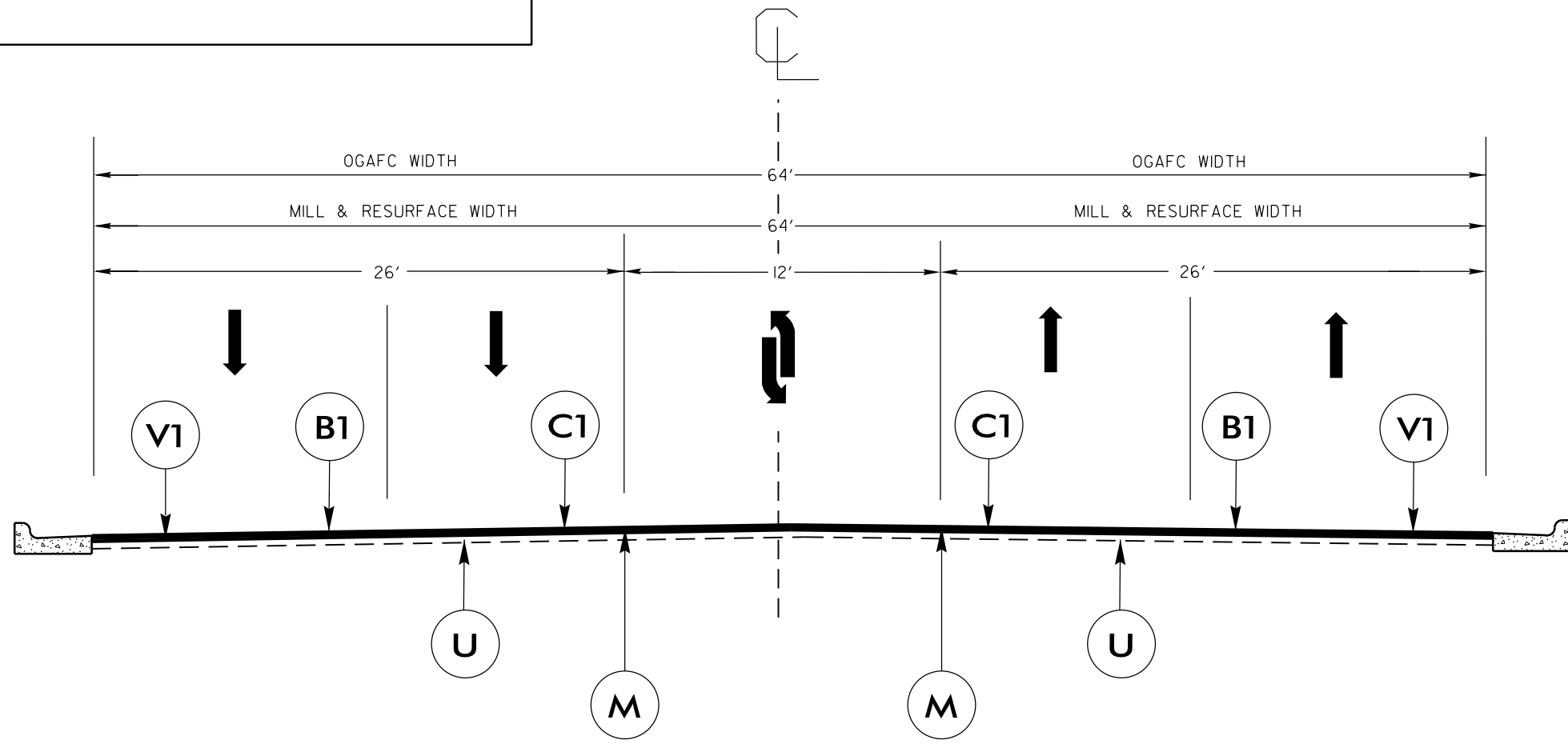
09-JAN-2019 10:33 St. Georges-Div\CC - Shores\Division One Resurfacing & Retreatment Plans\2019-2020 Primary Resurfacing\Camden, Currituck, Dare Primary\Typical Sections.dgn

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
B1	PROP. APPROX. 0.75" OPEN GRADE FRICTION COURSE, TYPE FC-1 MODIFIED, AT AN AVERAGE RATE OF 90 LBS. PER SQ. YD.
V1	MILLING ASPHALT PAVEMENT. 1.5" IN DEPTH.
U	EXISTING PAVEMENT.
M	EXISTING RUMBLE STRIPS TO BE REPLACED AFTER APPLICATION OF OGAFC, TYPE FC-1 MODIFIED.

NOTES:

- \*ALL PAVED S.R. ROADS OR RAMPS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER
- \*EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES
- \*EXISTING MILLED RUMBLE STRIPS TO BE MILLED & REPLACED
- \*1.5" MILLING AND 1.5" OF S9.5C TO BE APPLIED ± 64' WIDE OR THE FULL WIDTH OF THE ROADWAY
- \*OPEN GRADE ASPHALT FRICTION COURSE TO BE APPLIED ± 64' WIDE OR THE ENTIRE WIDTH OF THE TRAVEL LANES



TYPICAL SECTION NO. 2

USE WITH MAP 3

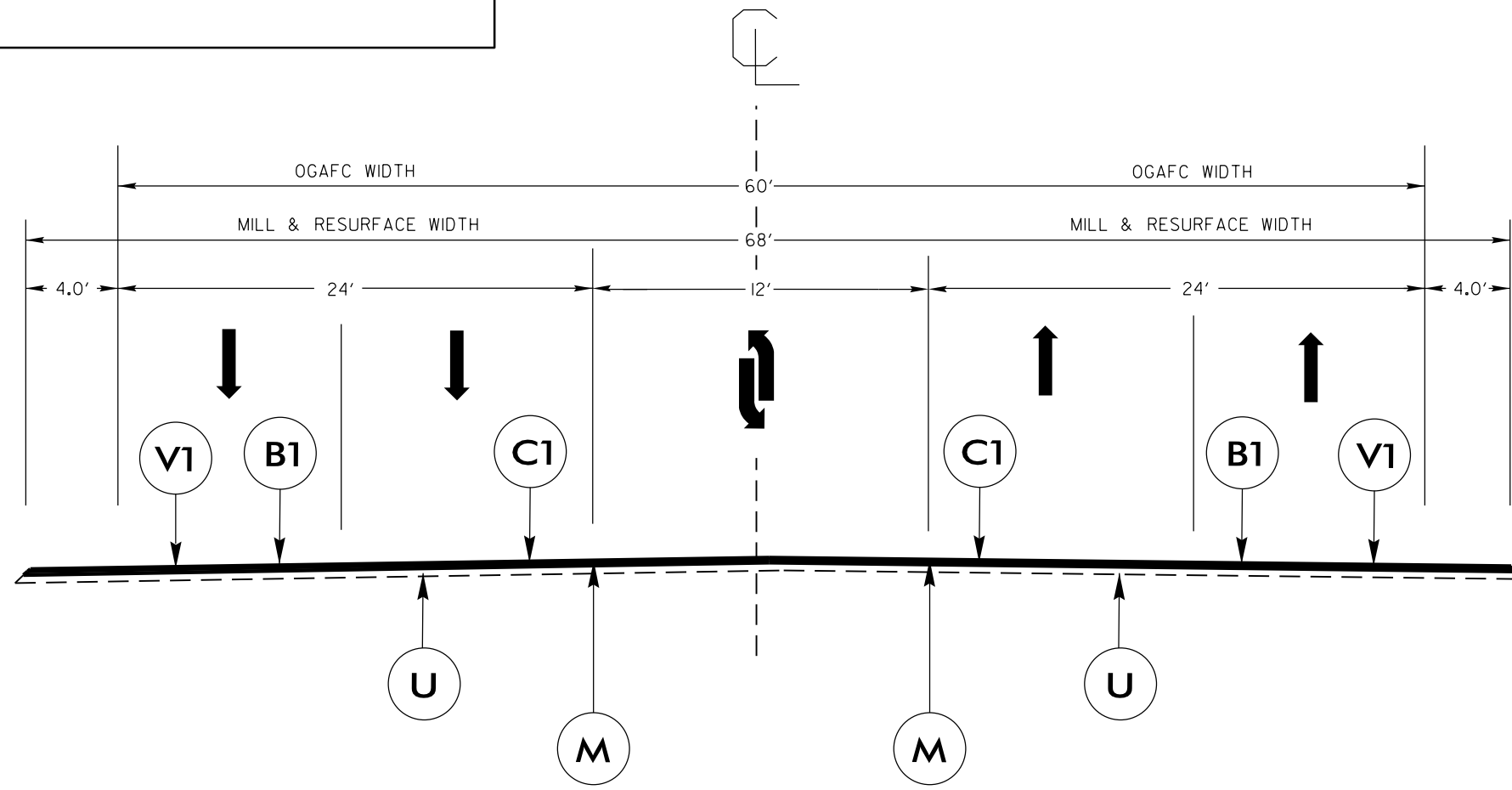
09-JAN-2019 15:03 S:\Groups-Div\CC\_Sheres\Division One Resurfacing & Retreatment Plans\2019-2020 Primary Resurfacing\Camden, Currituck, Dare Primary Plans\Dgn Files\Typical Sections.dgn

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
B1	PROP. APPROX. 0.75" OPEN GRADE FRICTION COURSE, TYPE FC-1 MODIFIED, AT AN AVERAGE RATE OF 90 LBS. PER SQ. YD.
V1	MILLING ASPHALT PAVEMENT. 1.5" IN DEPTH.
U	EXISTING PAVEMENT.
M	EXISTING RUMBLE STRIPS TO BE REPLACED AFTER APPLICATION OF OGAFC, TYPE FC-1 MODIFIED.

NOTES:

- \*ALL PAVED S.R. ROADS OR RAMPS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER
- \*EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES
- \*EXISTING MILLED RUMBLE STRIPS TO BE MILLED & REPLACED
- \*1.5" MILLING AND 1.5" OF S9.5C TO BE APPLIED ± 68' WIDE OR THE FULL WIDTH OF THE ROADWAY
- \*OPEN GRADE ASPHALT FRICTION COURSE TO BE APPLIED ± 60' WIDE OR THE ENTIRE WIDTH OF THE TRAVEL LANES



TYPICAL SECTION NO. 3

USE WITH MAP 4

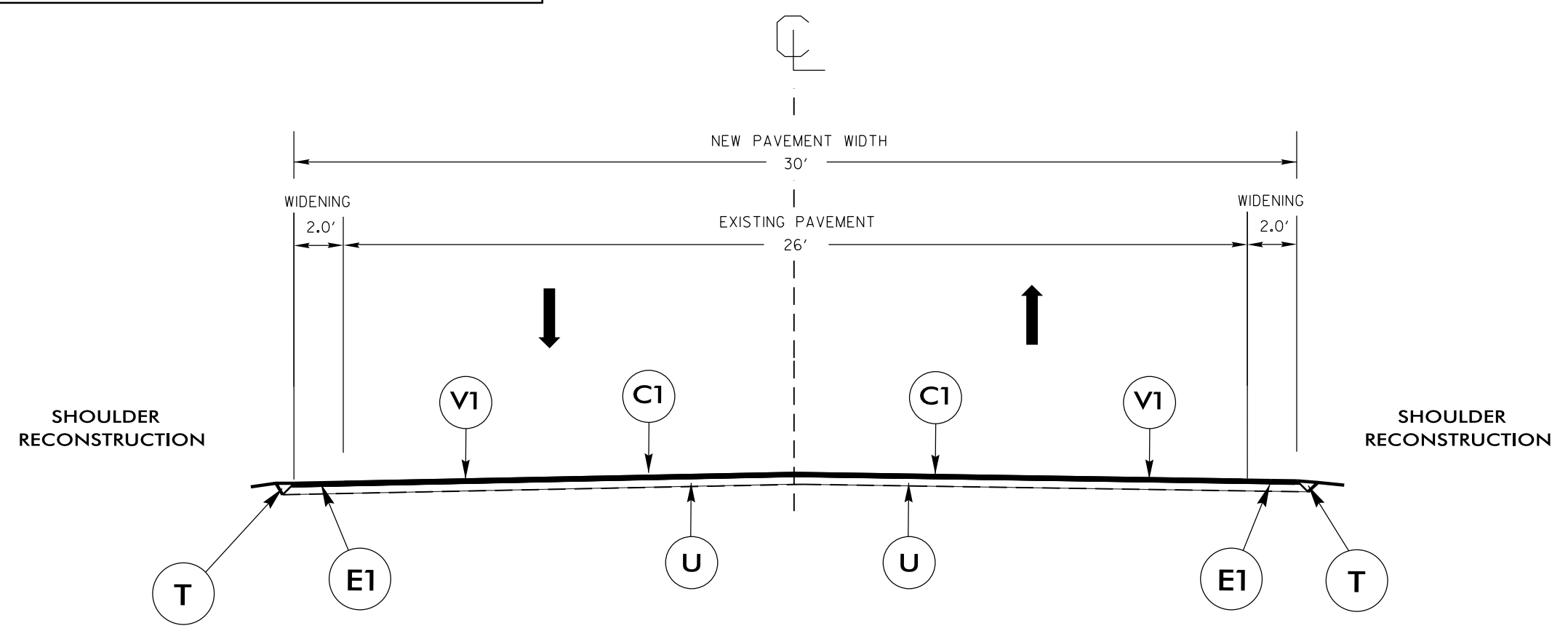
09-JAN-2019 15:10 St. Georges-Div\CC. Shereza\Division One Resurfacing & Retreatment Plans\2019-2020 Primary Resurfacing\Comden, Currituck, Dare Primary Plans\Dgn Files\Typical Sections.dgn

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
E1	PROP. APPROX. 5.5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C AT AN AVERAGE RATE OF 627 LBS. PER SQ. YD.
V1	MILLING ASPHALT PAVEMENT. 1.5" IN DEPTH.
U	EXISTING PAVEMENT.
T	EARTH MATERIAL.

NOTES:

- \*ALL PAVED S.R. ROADS OR RAMPS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER
- \*EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES



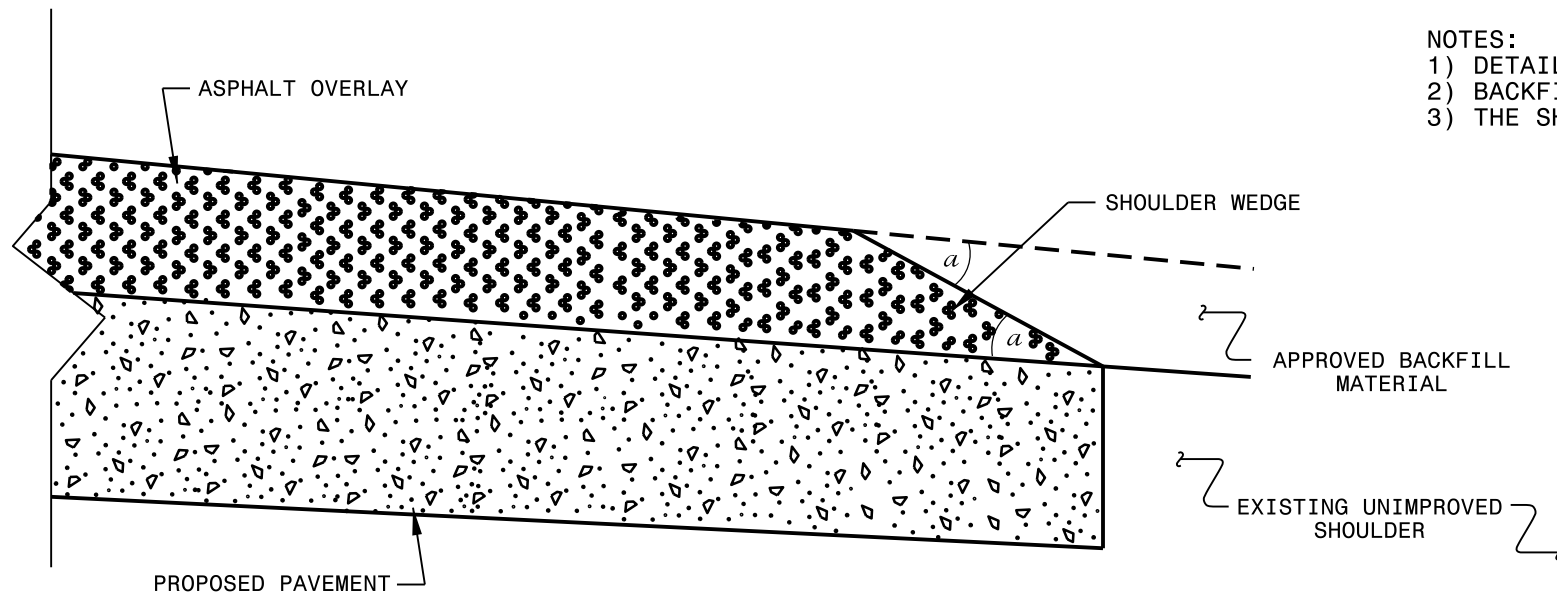
**TYPICAL SECTION NO. 4**

USE WITH MAP 5

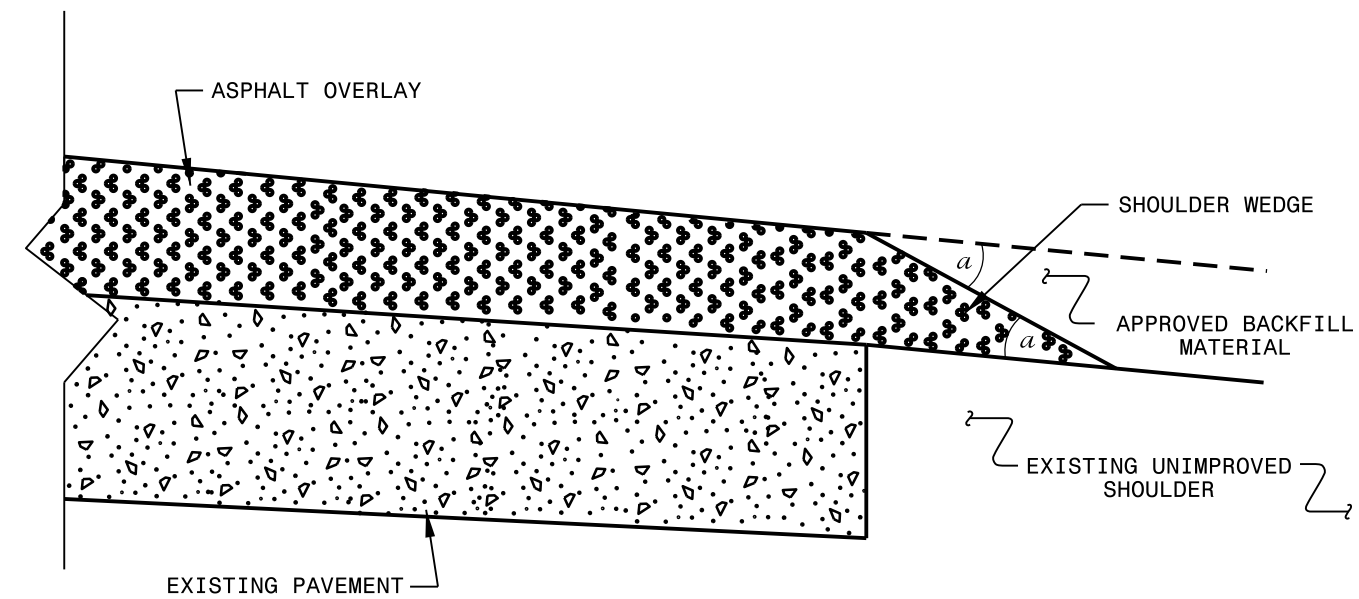
NTS

05-JAN-2019 10:38 St. Georges-Div\JC. Shereff\Division One Resurfacing & Retreatment Plans\2019-2020 Primary Resurfacing\Camden, Currituck, Dare Primary Typical Sections.dgn

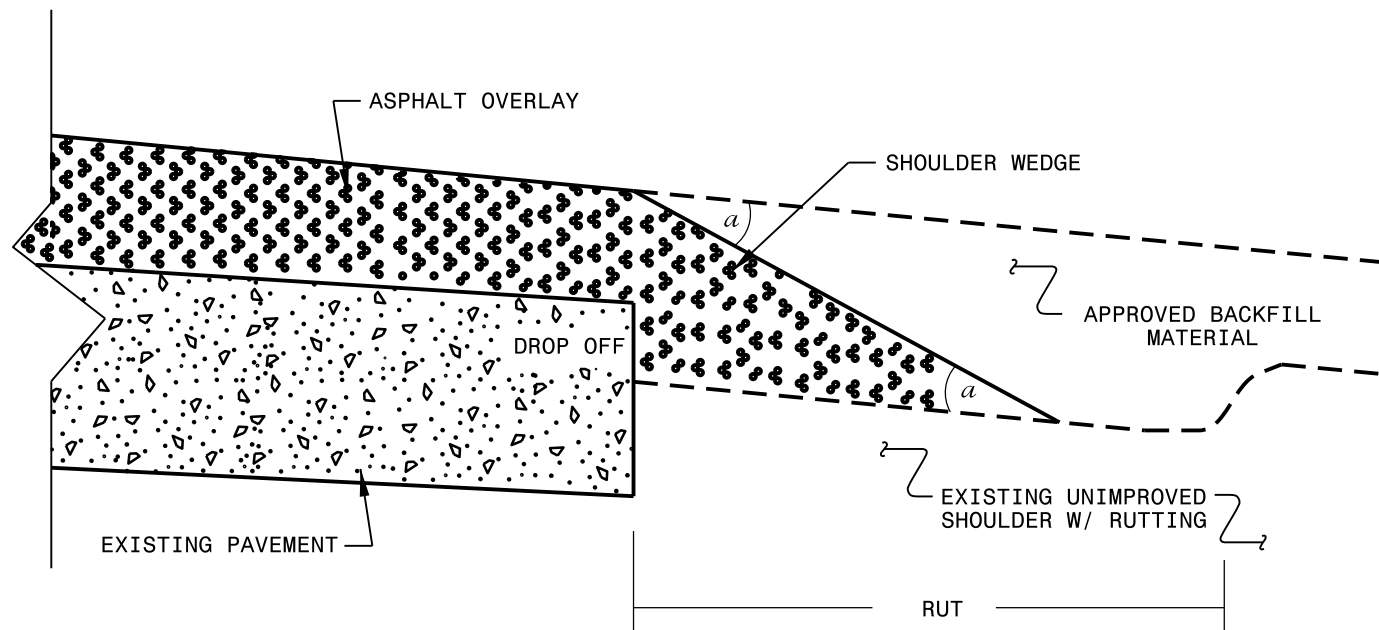
- NOTES:  
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.  
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.  
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**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°

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>	
Office 919-707-6950 FAX 919-250-4119	
<b>SHOULDER WEDGE DETAILS</b>	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 10/16/12
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedge\detail1.dgn	

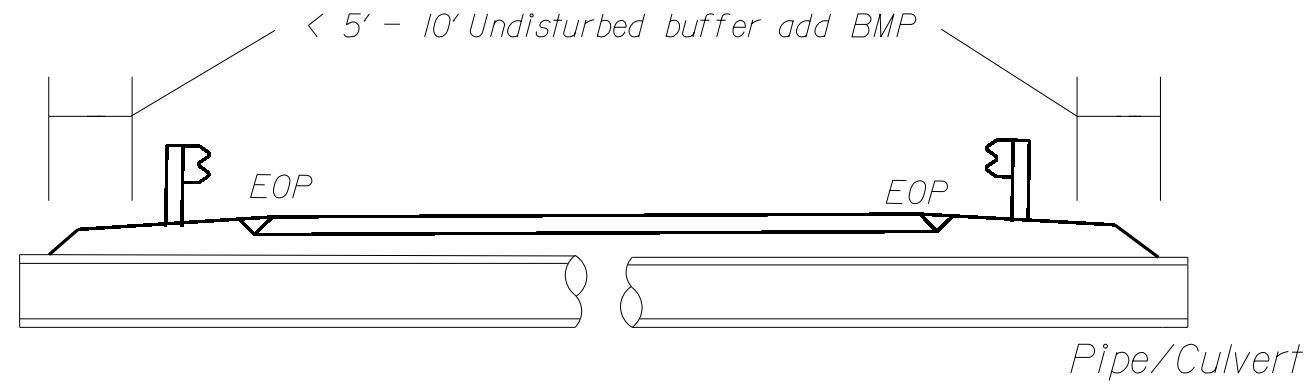


PROJECT REFERENCE NO.	SHEET NO.
2019CPT.01.03.10151J, ETC.	9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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

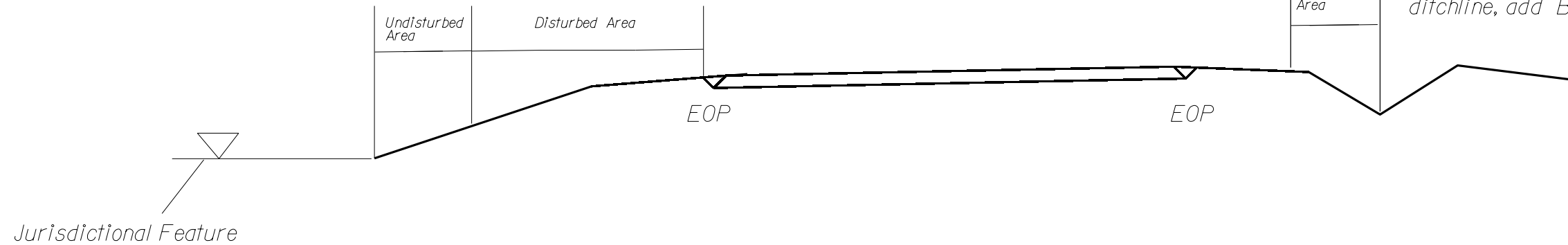
BMP Options: Wattle or Silt Fence

# EROSION CONTROL DETAIL



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

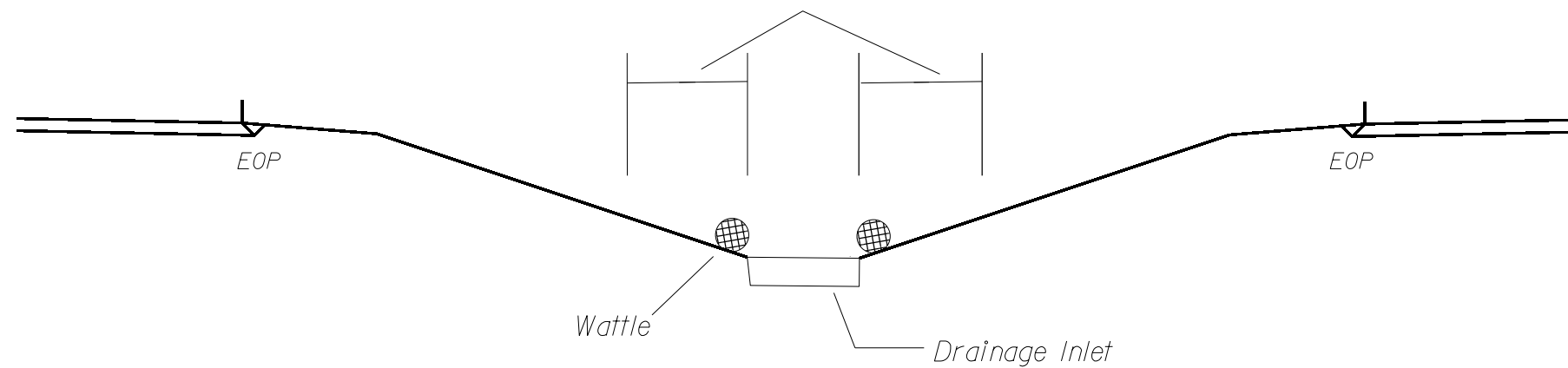
< 5' - 10' Undisturbed buffer from ditchline, add BMP



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



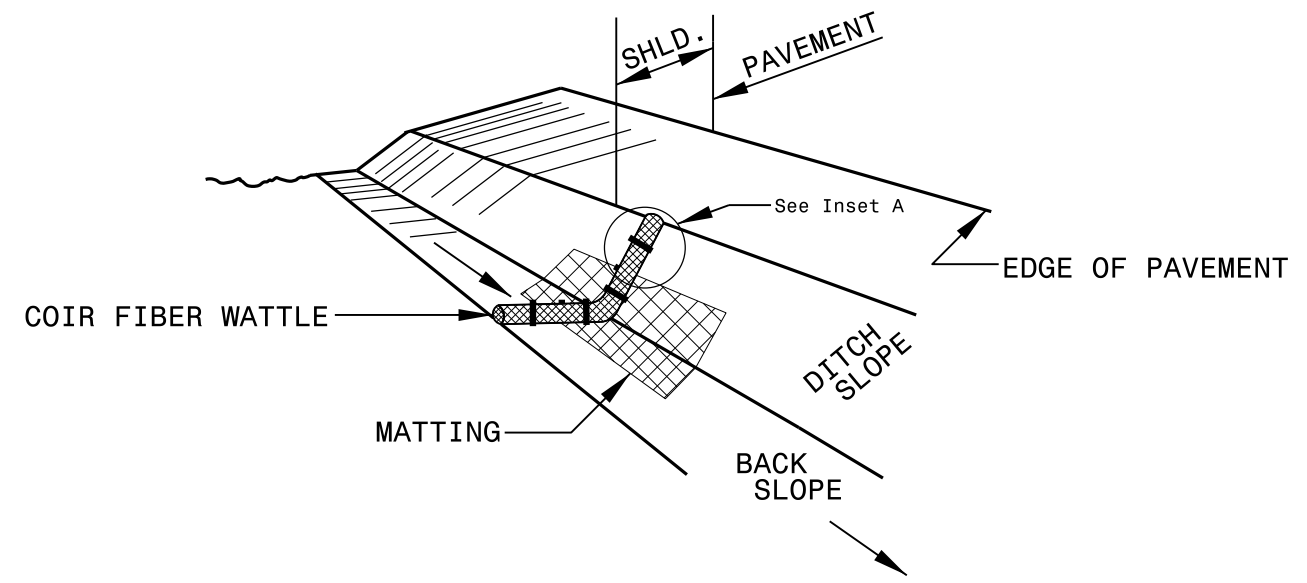
< 5' - 10' Undisturbed buffer from inlet, add wattle



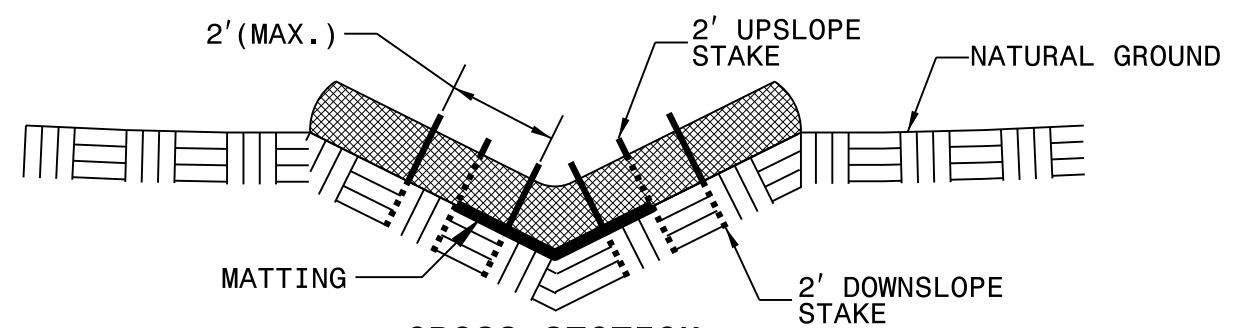
NOT TO SCALE

PROJECT REFERENCE NO. <b>2019CPT.01.03.101511, ETC.</b>	SHEET NO. <b>10</b>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

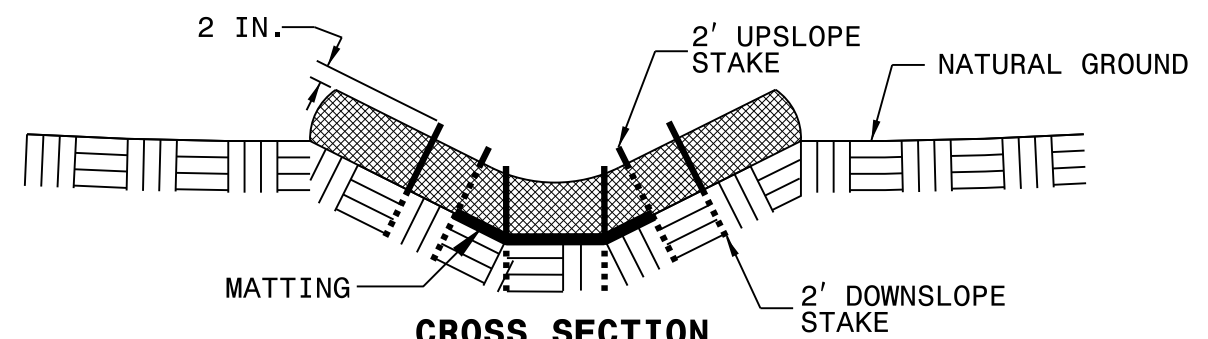
# COIR FIBER WATTLE DETAIL



**ISOMETRIC VIEW**



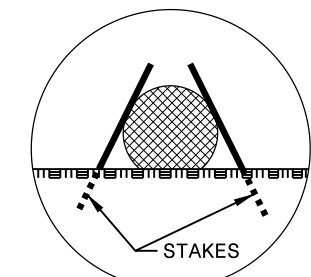
**CROSS SECTION VEE DITCH**



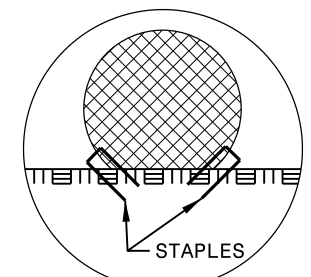
**CROSS SECTION TRAPEZOIDAL DITCH**

**NOTES:**

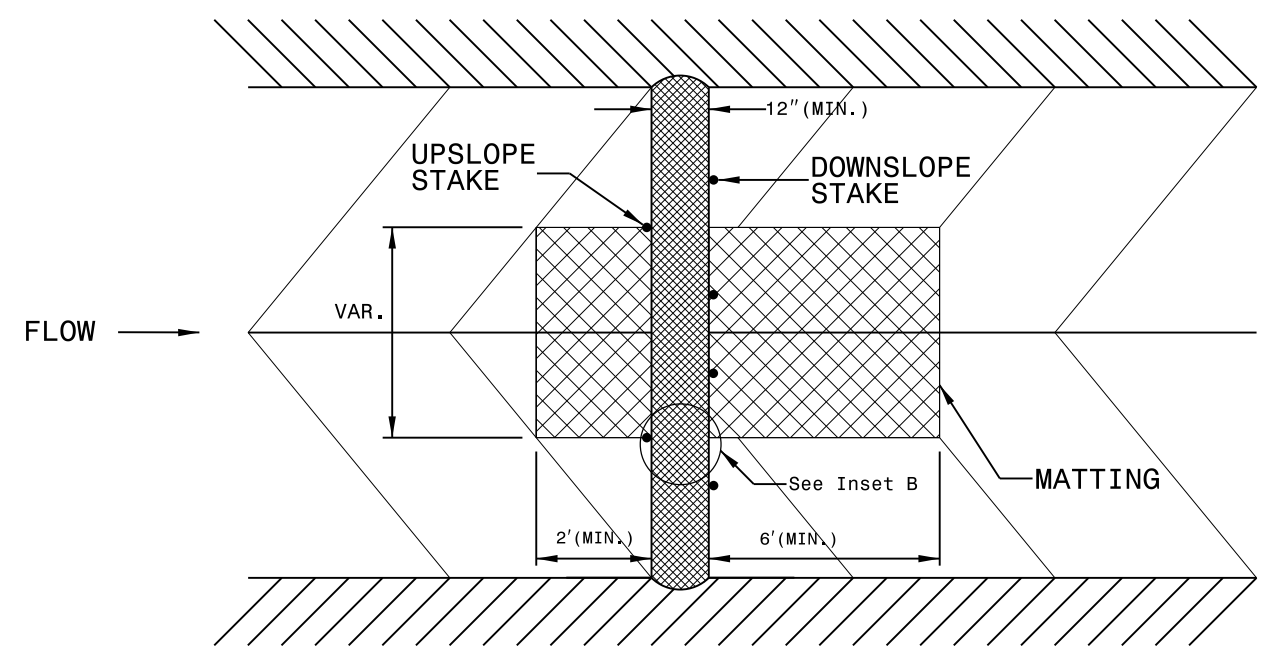
- USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
- USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.
- ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
- INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 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**

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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## ***SOIL STABILIZATION TIMEFRAMES***

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

PROJECT NO.	SHEET NO.	TOTAL NO.
2019CPT.01.03.10151.1,ETC.	12	

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIAL TRANSFER VEHICLE REQUIRED	LENGTH	WIDTH	NEW WIDTH	MOBILIZATION	BORROW	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	1 1/2" MILLING	BASE COURSE, B25.0C	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	OGAFC, TYPE FC-1 MOD	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE)	WORK ZONE ADVANCED / GENERAL WARNING SIGNING	SEED & MULCHING	TEMPORARY SILT FENCE	COIR FIBER WATTLE	RESPONSE FOR EROSION CONTROL	
											MI	FT		LS	CY	TONS	SMI	SY	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS
2019CPT.01.03.10151.1	Camden	1	US 158 SHORTCUT RD	FROM JOINT AT RR TRACKS TO CURRITUCK CO.	1	2	2WU	NO	NO	YES	1.97	25-48		1		80		33,100		3,100	186				250					
2019CPT.01.03.10151.1	Camden	2	NC 34	FROM 520' NORTH OF US 158 TO CURRITUCK CO.	1	2	2WU	NO	NO	YES	2.67	25		*		80		42,600		3,950	237				300					
2019CPT.01.03.10271.1	Currituck	3	NC 168	SR 1242 TO END C&G	2	5	MU	NO	NO	YES	0.73	64		*				31,875		2,975	179	84	1,375	7,700	200					
2019CPT.01.03.10271.1	Currituck	4	NC 168	FROM END C&G TO US 158	3	5	MU	NO	NO	YES	4.41	68		*		225		183,875		16,975	1,019	496	8,125	46,600	650					
2019CPT.01.03.10281.1	Dare	5	NC 12	FROM BONNER BRIDGE TO BEGIN 30' PAVEMENT	4	2	2WU	NO	NO	YES	1.78	26	30	*	350	50	3.56	27,160	1,650	2,900	248			200	2.20	500	200		5	
2019CPT.01.03.10281.1	Dare	6	NC 12	FROM BEGIN 30' PAVEMENT TO NEW INLET BRIDGE	1	2	2WU	NO	NO	YES	3.32	30		*		65		58,340		5,400	324			300						
GRAND TOTAL											14.88			1	350	500	3.56	376,950	1,650	35,300	2,193	580	9,500	54,300	1,900	2.20	500	200		5

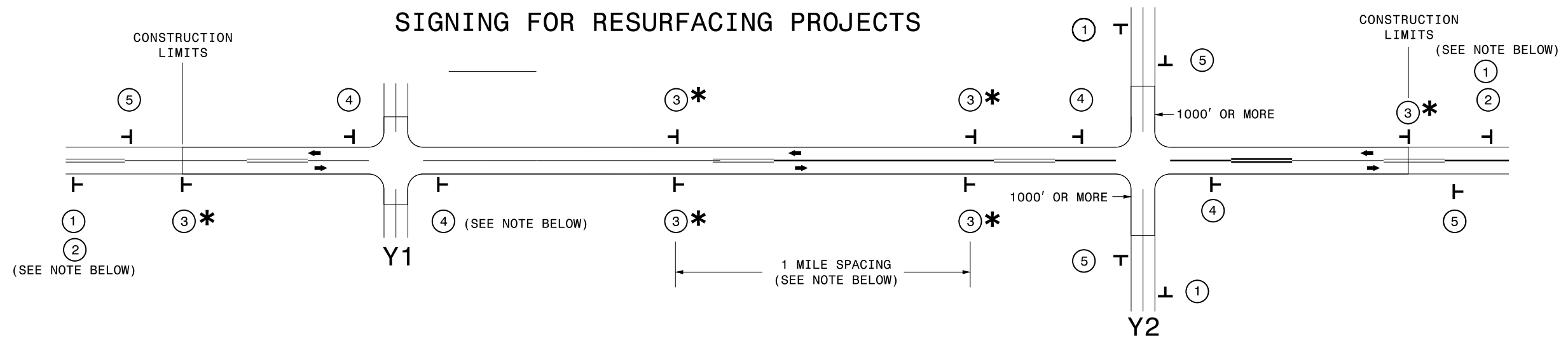
### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIAL TRANSFER VEHICLE REQUIRED	LENGTH	WIDTH	NEW WIDTH	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 120 M YELLOW THERMO	4" X 120 M WHITE THERMO	8" X 90 M YELLOW THERMO	24" X 120 M WHITE THERMO	THERMO MSG SCHOOL 120 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M									
											MI	FT	FT	LS	LF	LF	LF	LF	LF	EA	EA	EA	EA									
2019CPT.01.03.10151.1	Camden	1	US 158 SHORTCUT RD	FROM JOINT AT RR TRACKS TO CURRITUCK CO.		2	2WU	NO	NO	YES	1.97	25-48		1	21,197	13,002	300	250			4	2										
2019CPT.01.03.10151.1	Camden	2	NC 34	FROM 520' NORTH OF US 158 TO CURRITUCK CO.		2	2WU	NO	NO	YES	2.67	25		*	28,729	17,622																
2019CPT.01.03.10271.1	Currituck	3	NC 168	SR 1242 TO END C&G		5	MU	NO	NO	YES	0.73	64		*		9,623	2,187	100	300	24	25	2	2									
2019CPT.01.03.10271.1	Currituck	4	NC 168	FROM END C&G TO US 158		5	MU	NO	NO	YES	4.41	68		*	47,484	58,252	13,239	200		143	4	6										
2019CPT.01.03.10281.1	Dare	5	NC 12	FROM BONNER BRIDGE TO BEGIN 30' PAVEMENT		2	2WU	NO	NO	YES	1.78	26	30	*	19,153	11,748																
2019CPT.01.03.10281.1	Dare	6	NC 12	FROM BEGIN 30' PAVEMENT TO NEW INLET BRIDGE		2	2WU	NO	NO	YES	3.32	30		*	35,723	21,912																
GRAND TOTAL											14.88			1	152,286	132,159	15,726	550	300	24	172	8	8									
											147,885											188										

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	MATERIAL TRANSFER VEHICLE REQUIRED	LENGTH	WIDTH	NEW WIDTH	4" WHITE PAINT	4" YELLOW PAINT	8" YELLOW PAINT	24" WHITE PAINT	PAINT MSG SCHOOL	PAINT LT ARROW	PAINT RT ARROW	PAINT STR ARROW	SNOW PLOWABLE MARKERS										
											MI	FT	FT	LF	LF	LF	LF	EA	EA	EA	EA	EA										
2019CPT.01.03.10151.1	Camden	1	US 158 SHORTCUT RD	FROM JOINT AT RR TRACKS TO CURRITUCK CO.		2	2WU	NO	NO	YES	1.97	25-48		20,803	20,803	250			4	2		130										
2019CPT.01.03.10151.1	Camden	2	NC 34	FROM 520' NORTH OF US 158 TO CURRITUCK CO.		2	2WU	NO	NO	YES	2.67	25		28,195	17,622							176										
2019CPT.01.03.10271.1	Currituck	3	NC 168	SR 1242 TO END C&G		5	MU	NO	NO	YES	0.73	64		2,187	9,623	100	300	24	25	2	2	96										
2019CPT.01.03.10271.1	Currituck	4	NC 168	FROM END C&G TO US 158		5	MU	NO	NO	YES	4.41	68		59,840	58,252	200		143	4	6		583										
2019CPT.01.03.10281.1	Dare	5	NC 12	FROM BONNER BRIDGE TO BEGIN 30' PAVEMENT		2	2WU	NO	NO	YES	1.78	26	30	18,797	11,748							117										
2019CPT.01.03.10281.1	Dare	6	NC 12	FROM BEGIN 30' PAVEMENT TO NEW INLET BRIDGE		2	2WU	NO	NO	YES	3.32	30		35,059	21,912							219										
GRAND TOTAL											14.88			164,881	139,960	550	300	24	172	8	8	1,321										
											304,841											188										

## SIGNING FOR RESURFACING PROJECTS



LEGEND	
T	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION		
① ②		<p style="text-align: center;"><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p style="text-align: center;">WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div> <p style="text-align: center;">PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>
③*		
④		
⑤		

### \* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

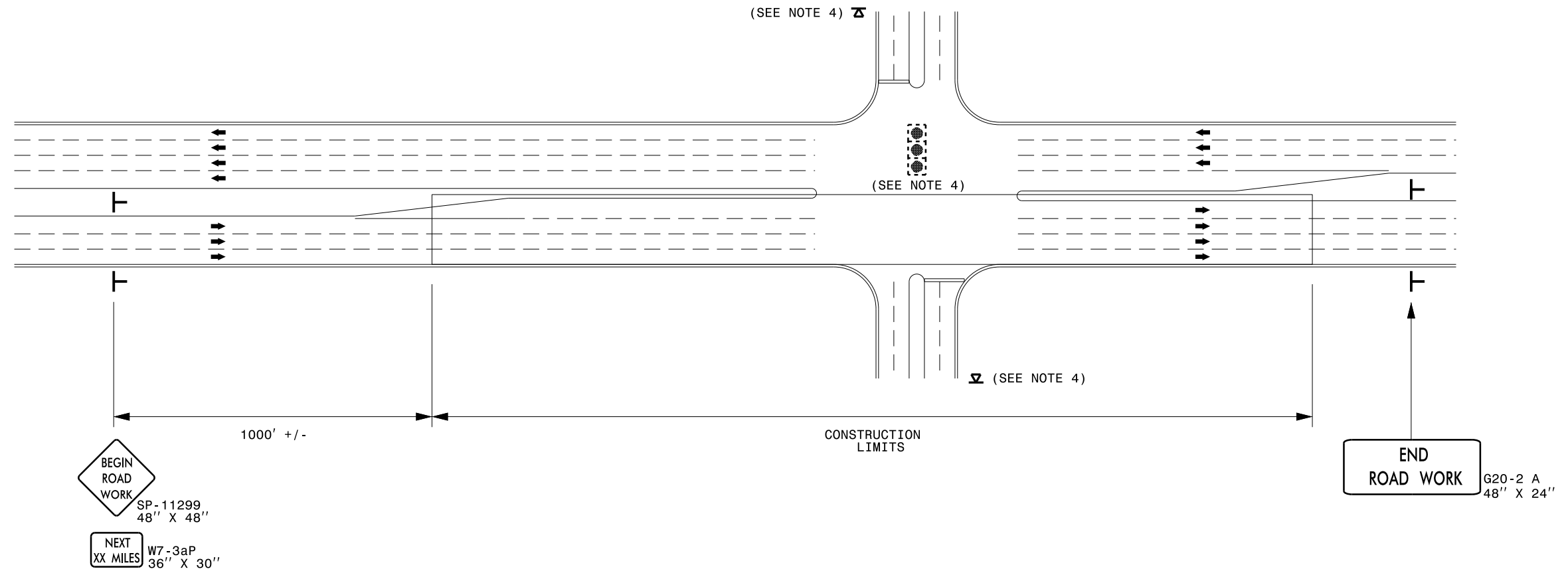
SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS:  
STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).

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

**RESURFACING  
ADVANCE WARNING SIGNS  
FOR  
RURAL AND SUBURBAN  
2 LANE ROADWAYS**

22-MAY-2018 14:16 S:\groups\div\cc\c\Drawings\AT\DIR0293915 Primary Resurfacing & Retreatment Plans\2019-2020 Primary Resurfacing\Comden, Currituck, Dare Primary\Typical Sections.dgn

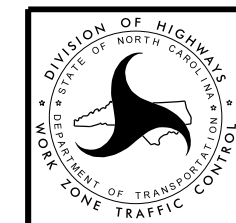
## URBAN / SUBURBAN WORKZONES



### 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	
T	STATIONARY SIGN
➔	DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE  
WARNING SIGNS FOR  
URBAN / SUBURBAN  
FACILITIES**