

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.
N.C.	2020CPT.01.07.20151.01, ETC.	1
STATE PROJ. NO.		DESCRIPTION
2020CPT.01.07.20151.01		PE, CONST.

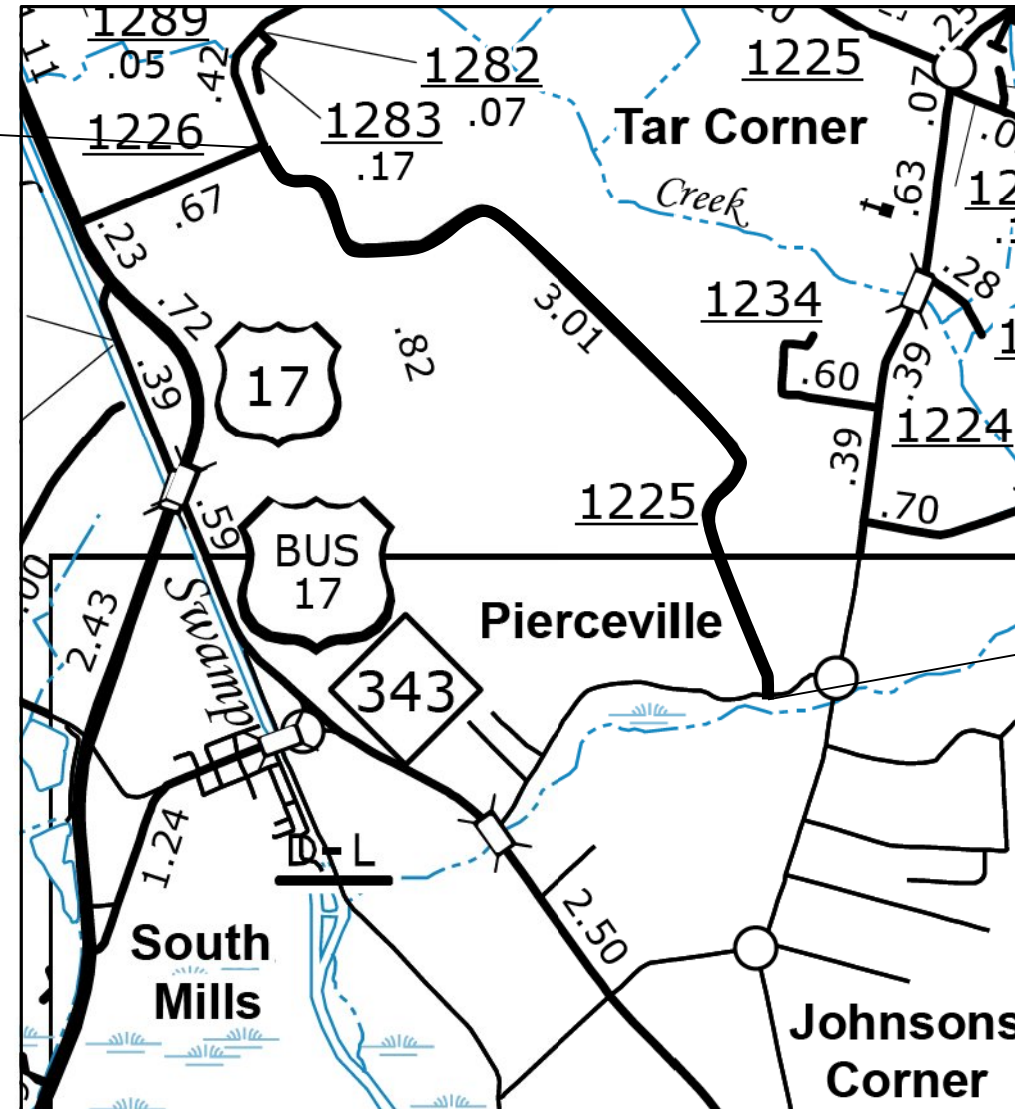
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**CAMDEN COUNTY**

LOCATION: SR 1225 (PUDDING RIDGE RD) FROM SR 1217 (BUNKER HILL RD)  
TO SR 1226 (KEETER BARN RD)

TYPE OF WORK: RESURFACING

END MAP 1  
WBS # 2020CPT.01.07.20151.01  
AT SR 1226 (KEETER BARN RD)



BEGIN MAP 1  
WBS # 2020CPT.01.07.20151.01  
AT SR 1217 (BUNKER HILL RD)

CONTRACT: DA00474 WBS PROJECT: 2020CPT.01.07.20151.01, ETC.

GRAPHIC SCALES

NTS

PROJECT LENGTH

LENGTH ROADWAY MAP #1 = 3.00 MILES

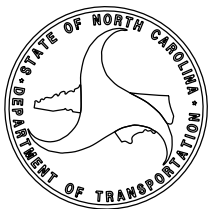
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
113 AIRPORT DR., EDENTON, NC, 27932

2018 STANDARD SPECIFICATIONS

W.B. HOBBS, P.E.  
DIVISION PROJECT TEAM LEAD

CHRIS SLACHTA  
DIVISION PROPOSALS ENGINEER

S.P. FENWICK, PLS  
DESIGN ENGINEER



27-JAN-2020 09:47  
 S:\Shared\Division One Resurfacing & Retreatment Plans\2020-2021\Resurfacing\DA00474-Camden & Pasquotank Secondary\DA00474\_Dlddc\_tsh1A.dgn  
 \$\$\$USERNAME\$\$\$

**CONTRACT: DA00474 WBS PROJECT: 2020CPT.01.07.20151.01, ETC.**

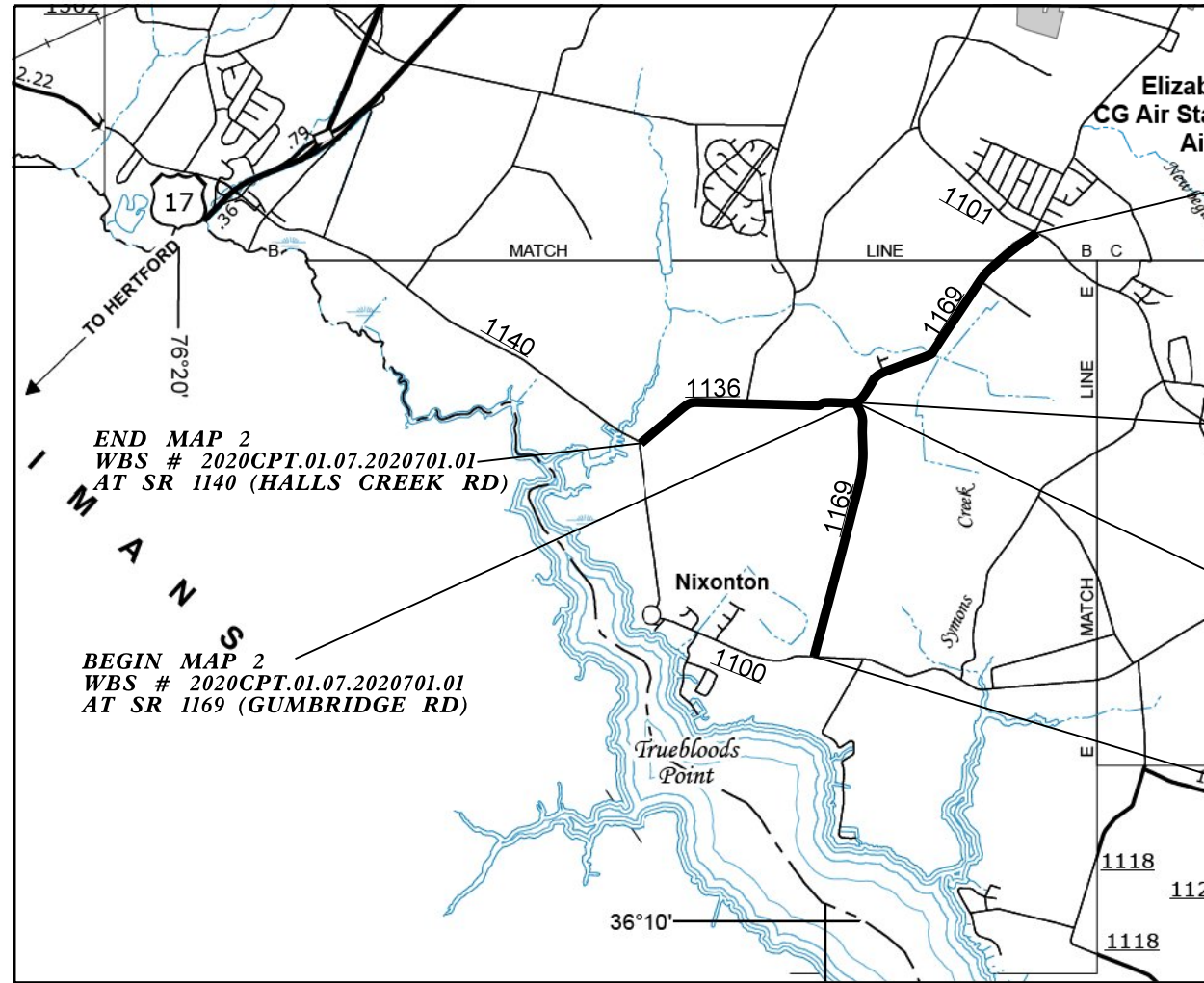
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.
N.C.	2020CPT.01.07.20151.01, ETC.	2
STATE PROJ. NO.		DESCRIPTION
2020CPT.01.07.20701.01		PE, CONST

# PASQUOTANK COUNTY

**LOCATION:** SR 1136 (FOUR FORKS RD) FROM SR 1169 (GUMBRIDGE RD) TO SR 1140 (HALLS CREEK RD),  
 SR 1169 (FOUR FORKS RD) FROM SR 1136 (FOUR FORKS RD) TO SR 1101 (PEARTREE RD), &  
 SR 1169 (GUMBRIDGE RD) FROM SR 1136 (FOUR FORKS RD) TO SR 1100 (NIXONTON RD)

**TYPE OF WORK: RESURFACING**



END MAP 3  
WBS # 2020CPT.01.07.2020701.01  
AT SR 1101 (PEARTREE RD)

BEGIN MAP 3  
WBS # 2020CPT.01.07.2020701.01  
AT SR 1169 (GUMBRIDGE RD)

BEGIN MAP 4  
WBS # 2020CPT.01.07.2020701.01  
AT SR 1169 (FOUR FORKS RD)

END MAP 4  
WBS # 2020CPT.01.07.2020701.01  
AT SR 1100 (NIXONTON RD)

END MAP 2  
WBS # 2020CPT.01.07.2020701.01  
AT SR 1140 (HALLS CREEK RD)

BEGIN MAP 2  
WBS # 2020CPT.01.07.2020701.01  
AT SR 1169 (GUMBRIDGE RD)

**GRAPHIC SCALES**

NTS

**PROJECT LENGTH**

LENGTH ROADWAY MAP #2 = 1.69 MILES  
 LENGTH ROADWAY MAP #3 = 1.90 MILES  
 LENGTH ROADWAY MAP #4 = 1.93 MILES

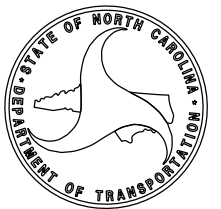
Prepared in the Office of:  
**DIVISION OF HIGHWAYS**  
113 AIRPORT DR., EDENTON, NC, 27932

2018 STANDARD SPECIFICATIONS

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S.P. FENWICK, PLS  
DESIGN ENGINEER



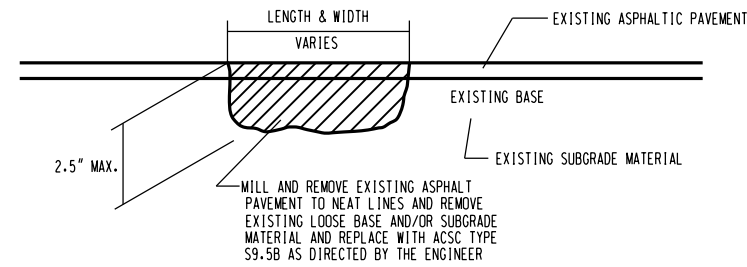
PAVEMENT SCHEDULE

C	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
F	ASPHALT SURFACE TREATMENT, SINGLE SEAL
U	EXISTING PAVEMENT.

NOTES:

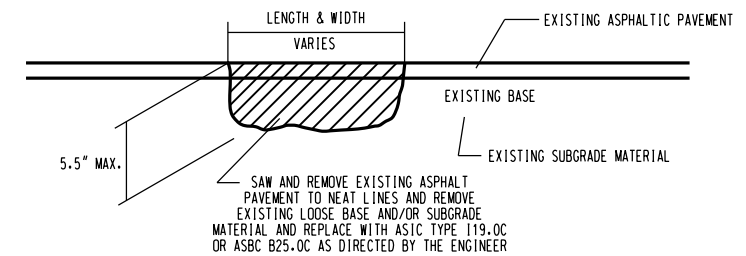
\*ALL PAVED S.R. ROADS OR RAMPS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER

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



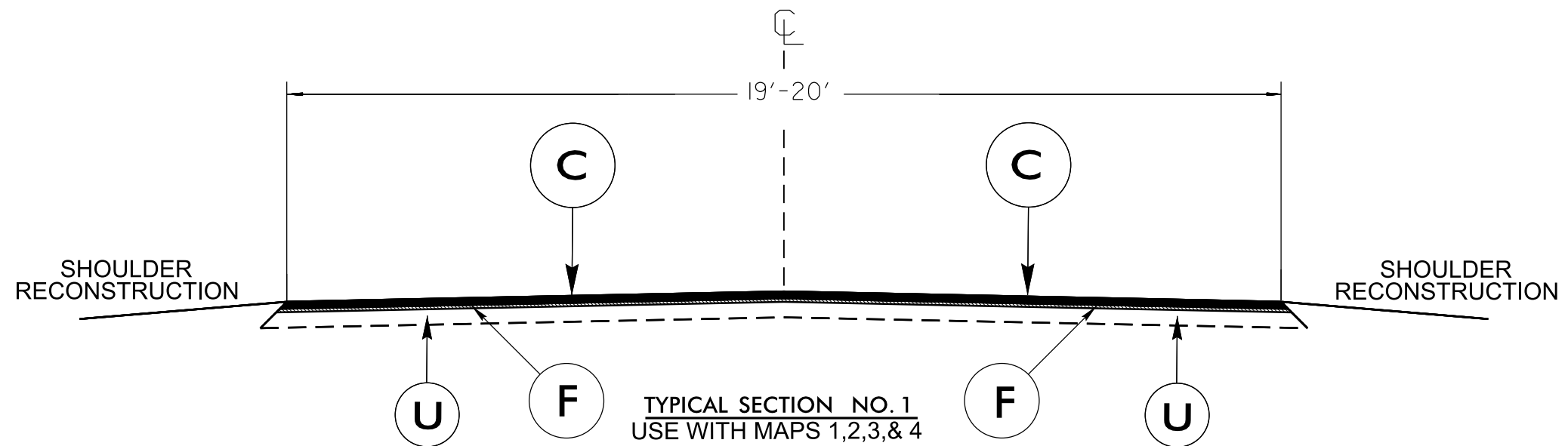
\*NOTE: EDGES OF PATCHED AREA ARE TO BE CLEANED OF ALL DEBRIS AND COATED WITH AN APPROVED TACK MATERIAL BEFORE PLACING ASPHALT.

MILL PATCHING, 0-2.5 IN



\*NOTE: EDGES OF PATCHED AREA ARE TO BE CLEANED OF ALL DEBRIS AND COATED WITH AN APPROVED TACK MATERIAL BEFORE PLACING ASPHALT.

FULL DEPTH PATCHING



TYPICAL SECTION NO. 1  
USE WITH MAPS 1,2,3,& 4

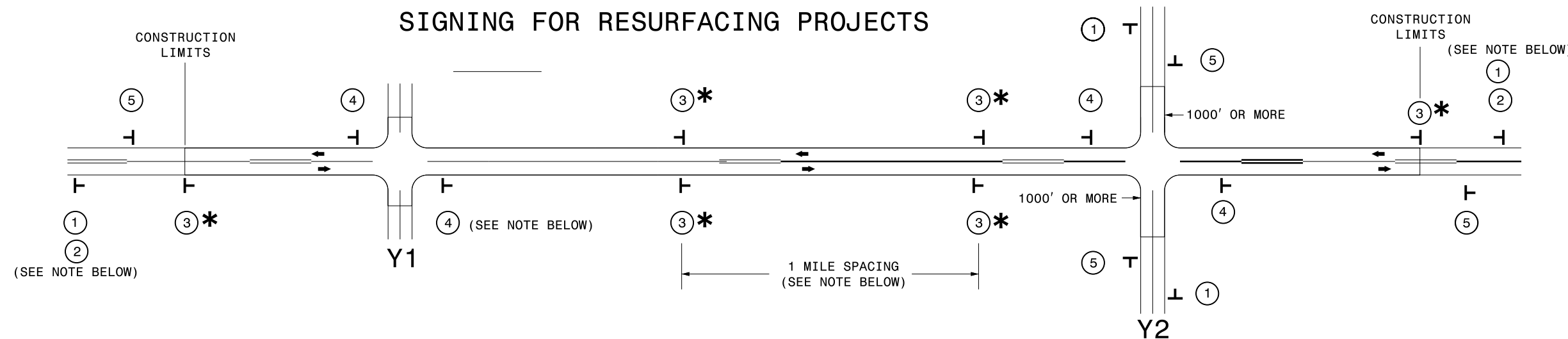
6/2/09  
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PROJECT NO.	SHEET NO.
2020CPT.01.07.20151.1, ETC.	4

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	MOBILIZATION	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	ASPHALT FOR PLANT MIX	ASPHALT SURFACE TREATMENT, SINGLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	FULL DEPTH PATCHING 0 - 5"	MILL PATCHING 0 - 2.5"	TEMPORARY SILT FENCE	COIR FIBER WATTLE	SEEDING & MULCHING	RESPONSE FOR EROSION CONTROL	WORK ZONE ADV/GEN WARNING SIGNING	TEMPORARY TRAFFIC CONTROL (SP)	PAINT PAVEMENT MARKING, 4" WHITE	PAINT PAVEMENT MARKING, 4" YELLOW	GENERIC PAVEMENT MARKING ITEM (HOT SPRAYED THERMO, 4" X 50 MILS, WHITE)	GENERIC PAVEMENT MARKING ITEM (HOT SPRAYED THERMO, 4" X 50 MILS, YELLOW)
2020CPT.01.07.20151.1	Camden	1	SR1225 (PUDDING RIDGE RD)	SR 1217 TO SR 1226	1	2	2WU	NO	NO	3.00	20	1	600	40	6.00	170	2,936	197	35,370	10,611	45.00		200	100	3.0	3	224	1	31,680	23,760	31,680.00	23,760.00
2020CPT.01.07.20701.1	Pasquotank	2	SR1136 (FOUR FORKS RD)	SR 1169 TO SR 1140	1	2	2WU	NO	NO	1.69	19	*	330	40	3.38	322	1,594	107	19,160	5,748	80.00	12	200	100	1.7	2	248	*	17,835	13,376	17,835.00	13,376.00
2020CPT.01.07.20701.1	Pasquotank	3	SR1169 (FOUR FORKS RD)	SR 1100 TO SR 1136	1	2	2WU	NO	NO	1.90	19	*	372	40	3.80	414	1,799	121	21,593	6,480	10.00	45	200	100	1.9	2	248	*	20,226	15,048	20,226.00	15,048.00
2020CPT.01.07.20701.1	Pasquotank	4	SR1169 (GUM BRIDGE RD)	SR 1136 TO SR 1101	1	2	2WU	NO	NO	1.93	19	*	378	20	3.86	129	1,802	121	21,642	6,500	20.00		200	100	1.9	2	296	*	20,380	15,286	20,380.00	15,286.00
<b>GRAND TOTAL</b>										<b>8.52</b>		<b>1</b>	<b>1,680</b>	<b>140</b>	<b>17.04</b>	<b>1,035</b>	<b>8,131</b>	<b>546</b>	<b>97,765</b>	<b>29,339</b>	<b>155</b>	<b>57</b>	<b>800</b>	<b>400</b>	<b>8.5</b>	<b>9</b>	<b>1,016</b>	<b>1</b>	<b>90,121</b>	<b>67,470</b>	<b>90,121</b>	<b>67,470</b>
																										<b>157,591</b>		<b>157,591</b>				

# SIGNING FOR RESURFACING PROJECTS



**LEGEND**  
 T STATIONARY SIGN  
 ← DIRECTION OF TRAFFIC FLOW

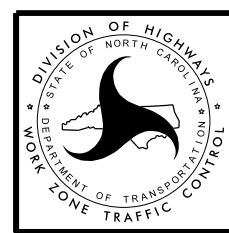
## MAINLINE (-L-) SIGNING

## -Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	① ②		<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</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>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;"> <div style="text-align: center;"> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> </div> <div style="text-align: center;"> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p> </div> </div>
	③*		<p>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</p>	
	④		<p>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p>	
	⑤		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

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

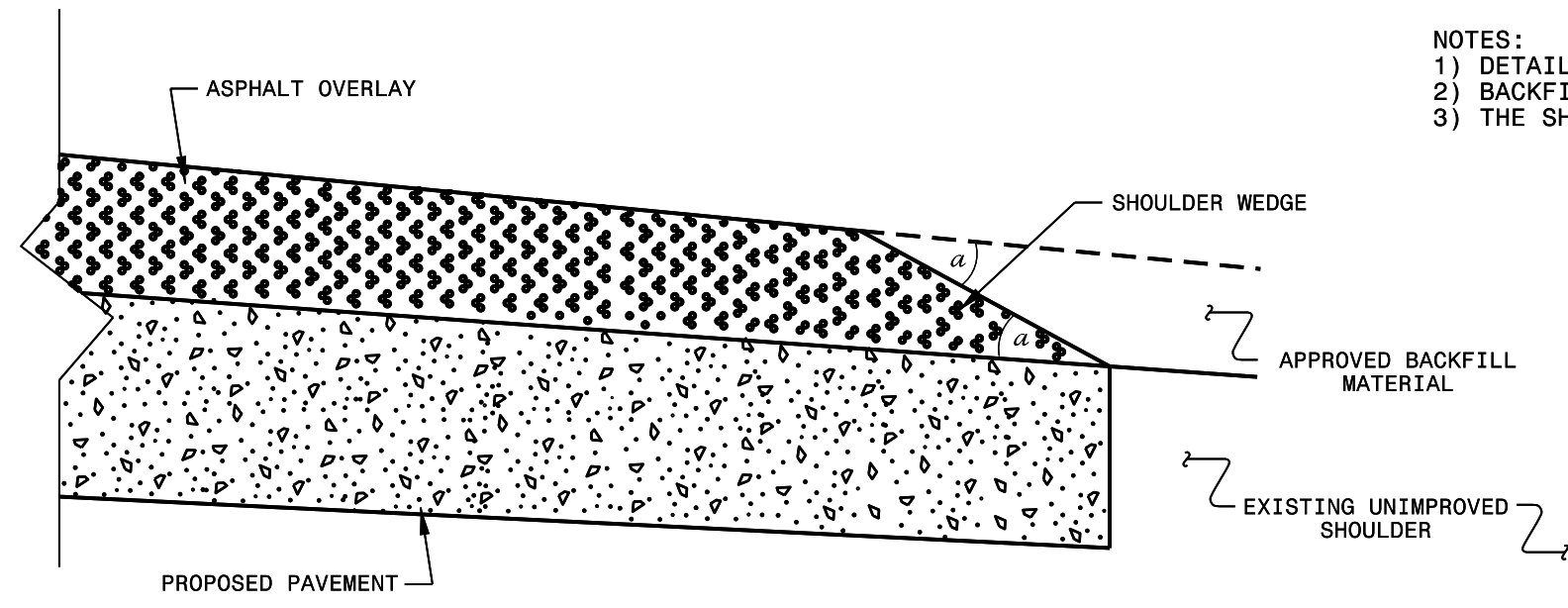
SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS: STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).



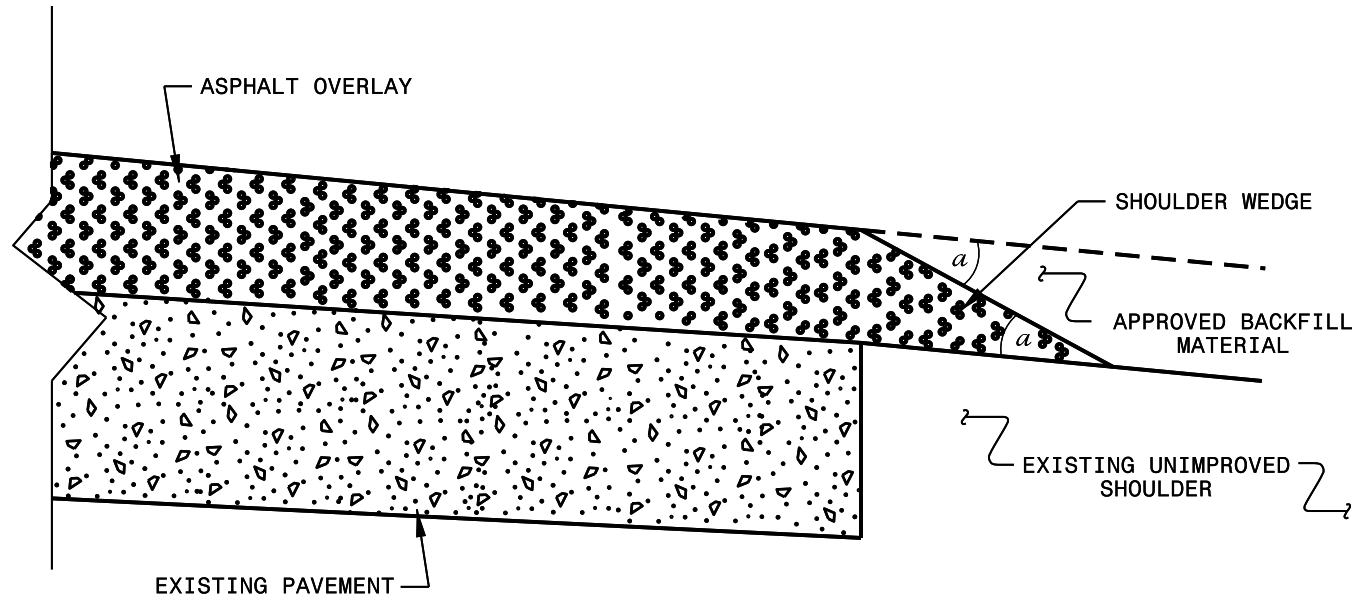
RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2 LANE ROADWAYS

13-DEC-2019 11:31:53 Shared Division One Resurfacing & Retreatment Plans\2020-2021Resurfacing\DA00474-Camden & Pasquotank Secondary\DA00474\_Diddc.sh2A-1.dgn \$\$\$USERNAME\$\$\$

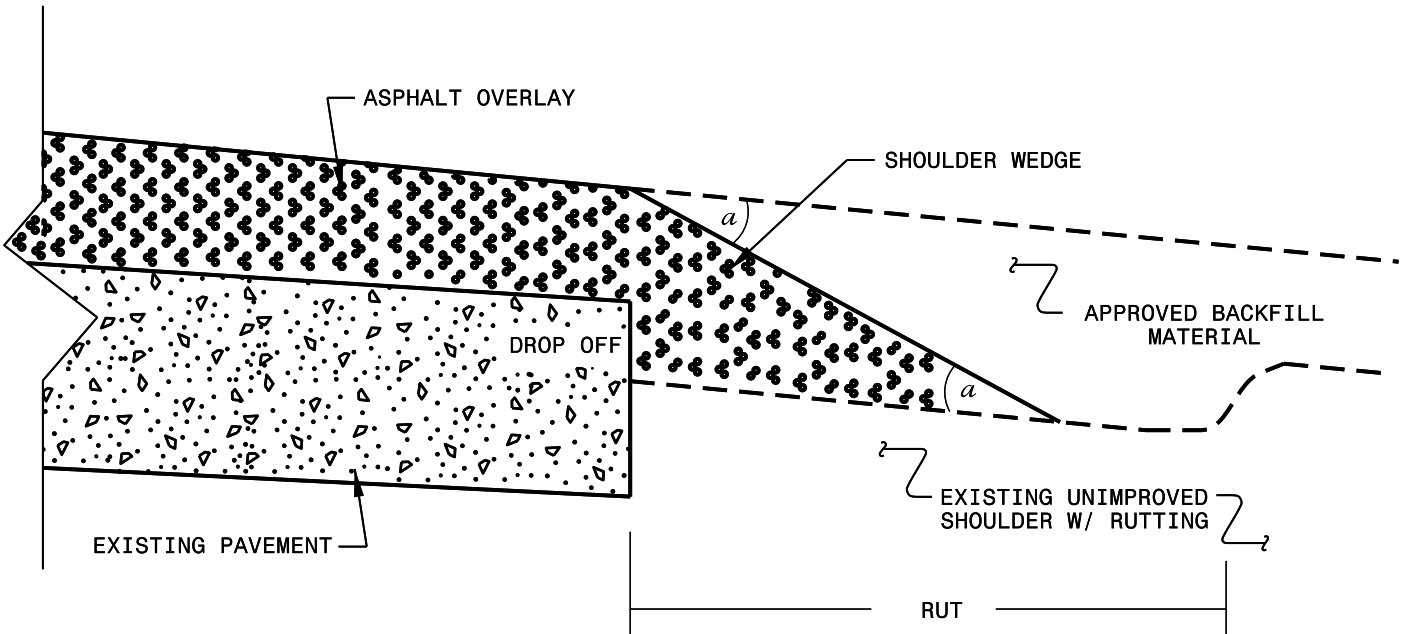
- NOTES:  
 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.  
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.  
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**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\shoulderwedgedetail.dgn	

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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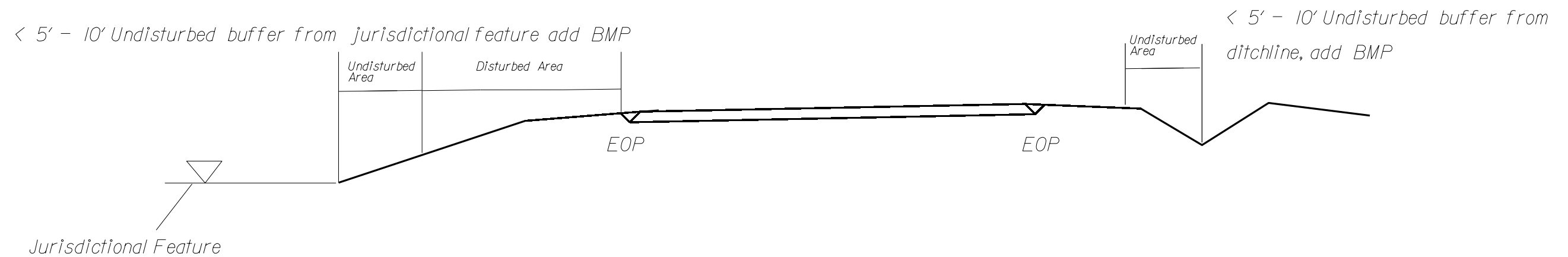
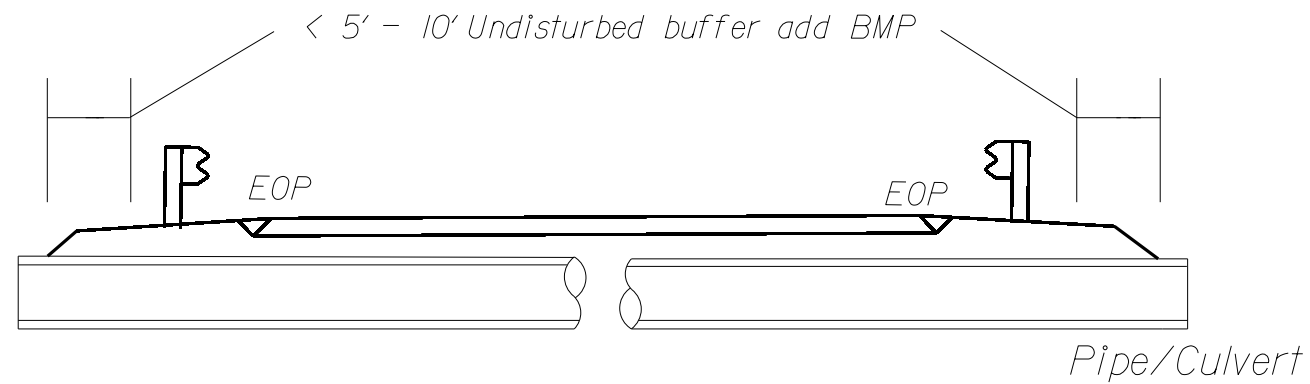
## ***SOIL STABILIZATION TIMEFRAMES***

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) 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 HOW ZONES.

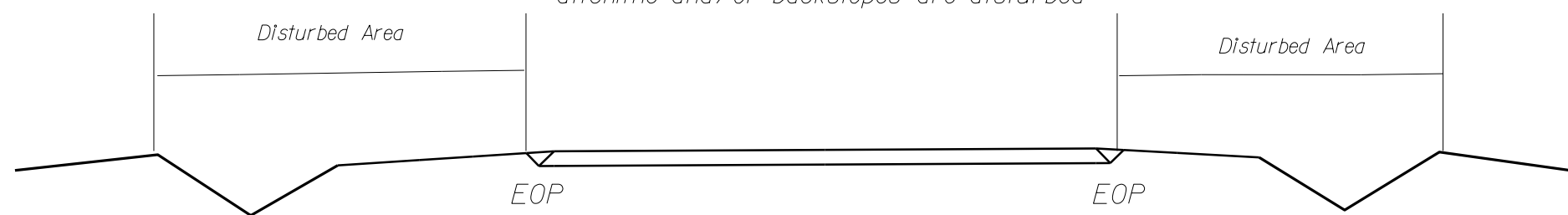
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

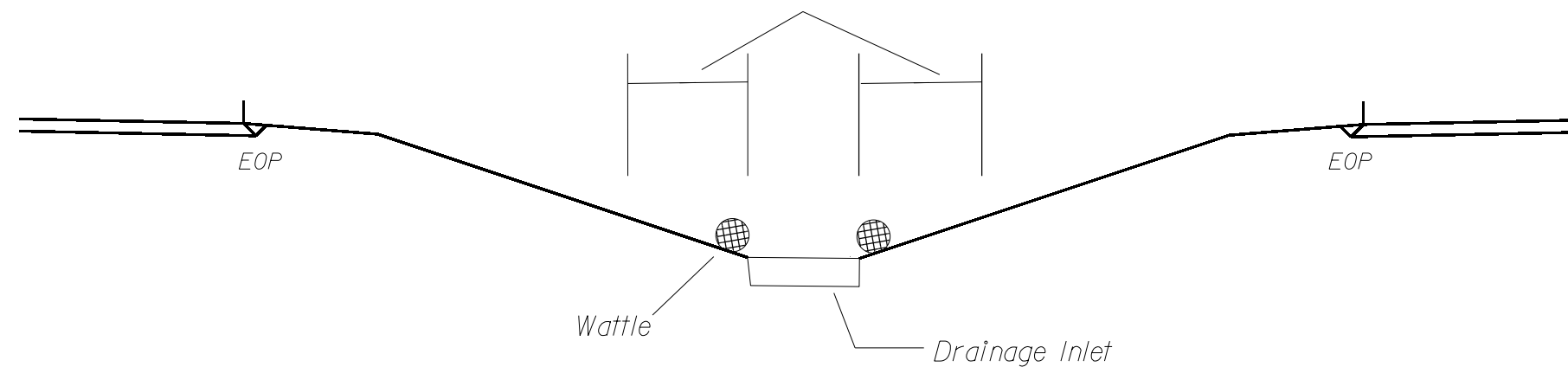
# EROSION CONTROL DETAIL



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



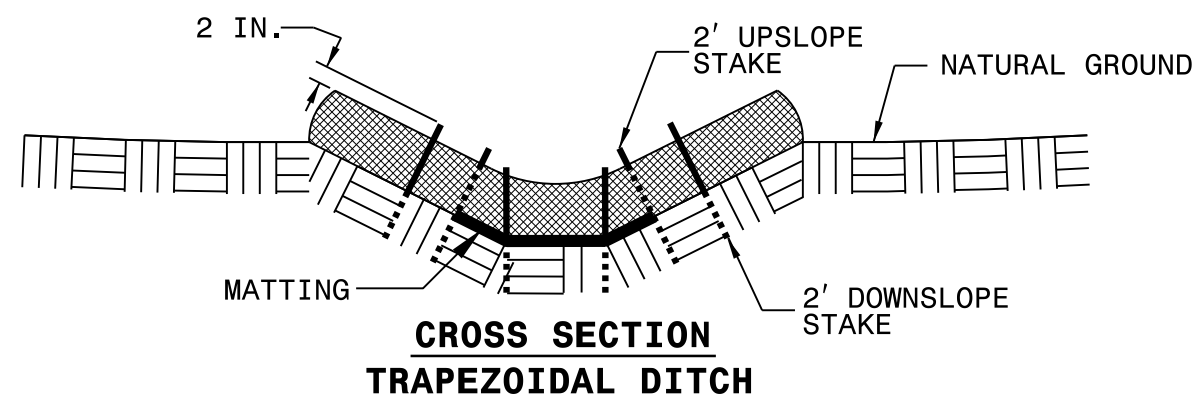
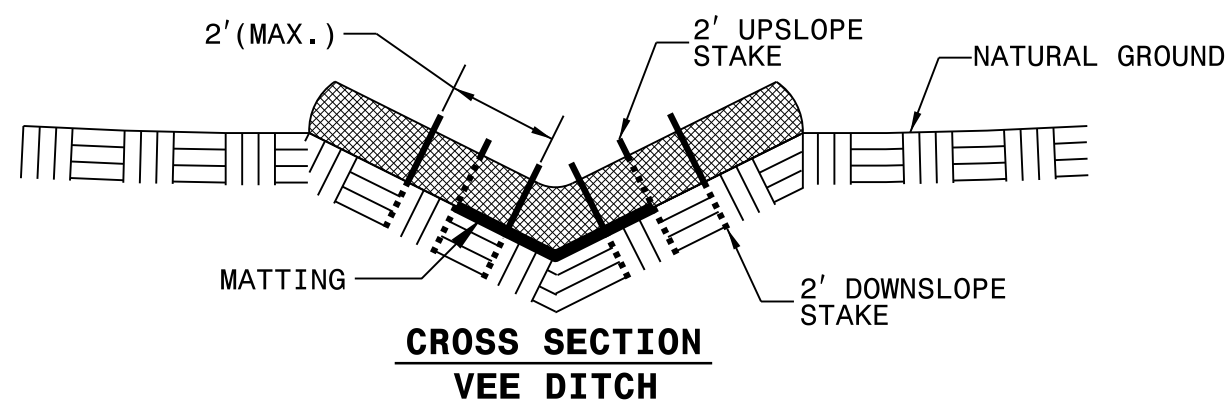
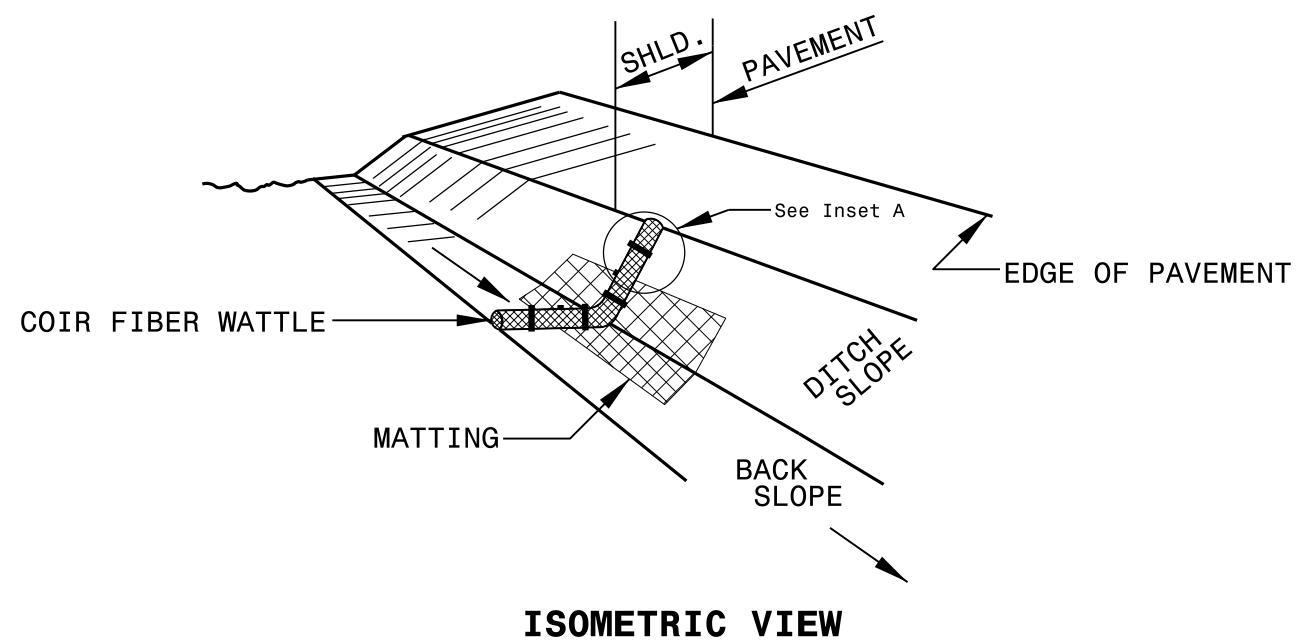
< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE



# COIR FIBER WATTLE DETAIL



- 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.

