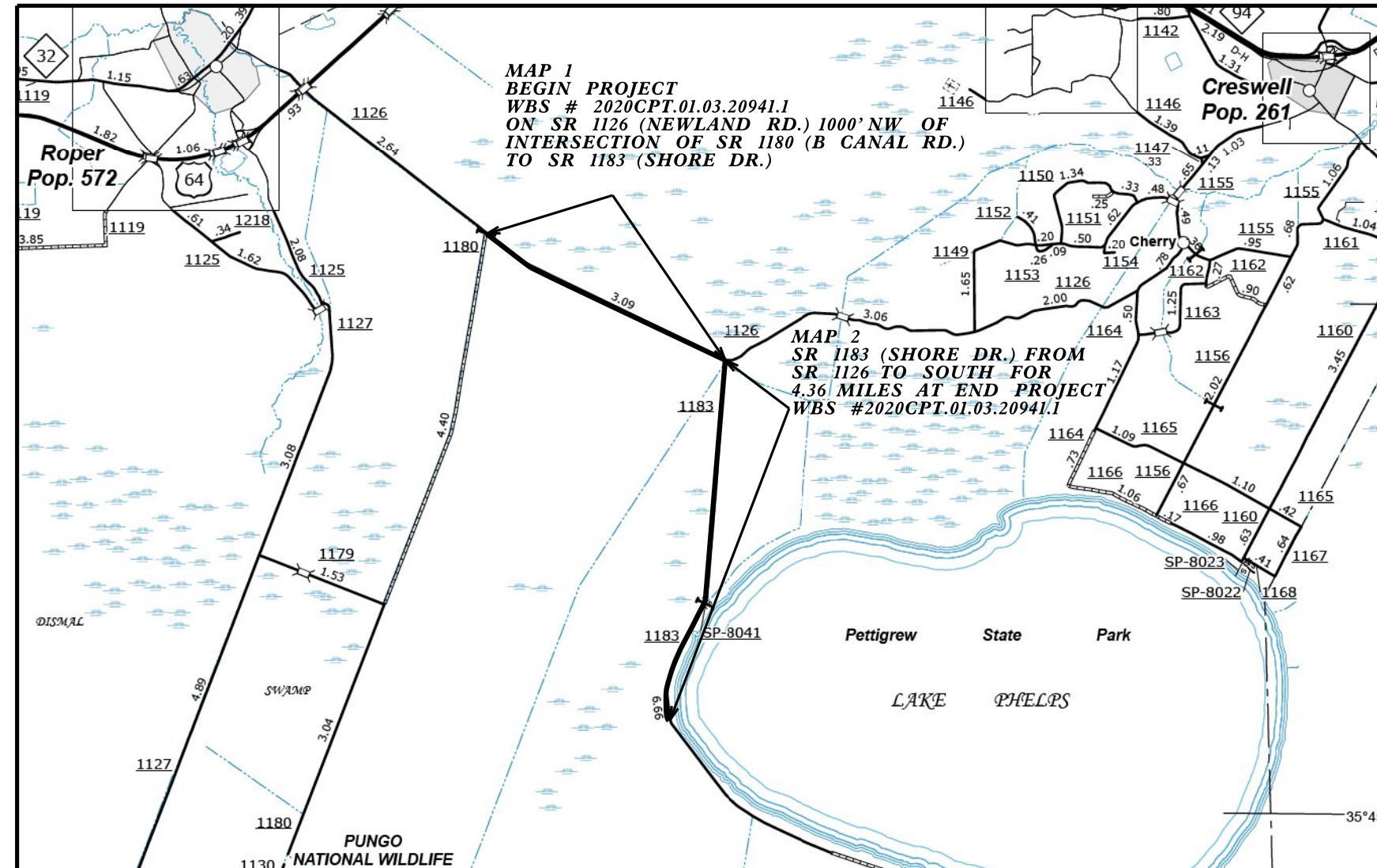


|                       |                             |             |
|-----------------------|-----------------------------|-------------|
| STATE                 | STATE PROJECT REFERENCE NO. | SHEET NO.   |
| N.C.                  | 2020CPT.01.03.20941.1       | 1           |
| STATE PROJ. NO.       |                             | DESCRIPTION |
| 2020CPT.01.03.20941.1 |                             | PE, CONST   |

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**WASHINGTON COUNTY**

**LOCATION: SR 1126 (NEWLAND RD.) FROM 1000' NW OF SR 1180 (B CANAL RD.)  
TO SR 1183 (SHORE DR.) AND SR 1183 (SHORE DR.)  
FROM SR 1126 TO SOUTH FOR 4.36 MILES  
TYPE OF WORK: MILLING AND RESURFACING**



**CONTRACT: DA00475 WBS PROJECT: 2020CPT.01.03.20941.1**

GRAPHIC SCALES

NTS

PROJECT LENGTH

LENGTH ROADWAY MAP #1 = 3.28 MILES  
LENGTH ROADWAY MAP #2 = 4.36 MILES

LENGTH PROJECT WBS  
#2020CPT.01.03.20941.1 = 7.64 MI.

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

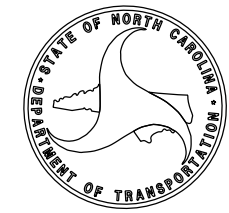
2018 STANDARD SPECIFICATIONS

LETTING DATE:

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

CHRIS SLACHTA  
DIVISION PROPOSALS ENGINEER

S.P. FENWICK, PLS  
DESIGN ENGINEER



10-SEP-2019 11:40 S:\Shared\Division One Resurfacing & Retreatment Plans\2020-2021\Resurfacing\DA00475- Roper Newland & Shore Dr\DA00475-Diddc-fshi.dgn \$\$\$USERNAME\$\$\$

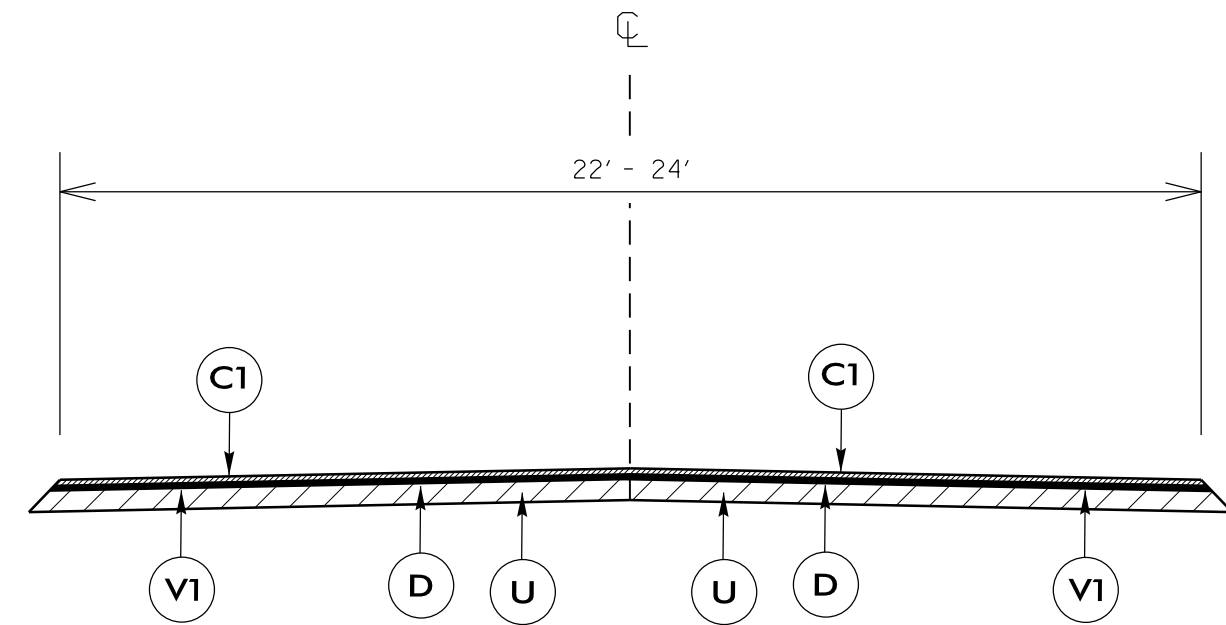
P A V E M E N T S C H E D U L E

|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| 2020CPT.01.03.20941.1 | 2A-1      |

|    |  |
|----|--|
| C1 | PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE PLACED IN TWO 1.5" LAYERS AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD. |
| D  | PROP. APPROX 3.0" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 342 LBS. PER SQ. YD.                          |
| V1 | MILLING ASPAHALT PAVEMENT, 6" 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.

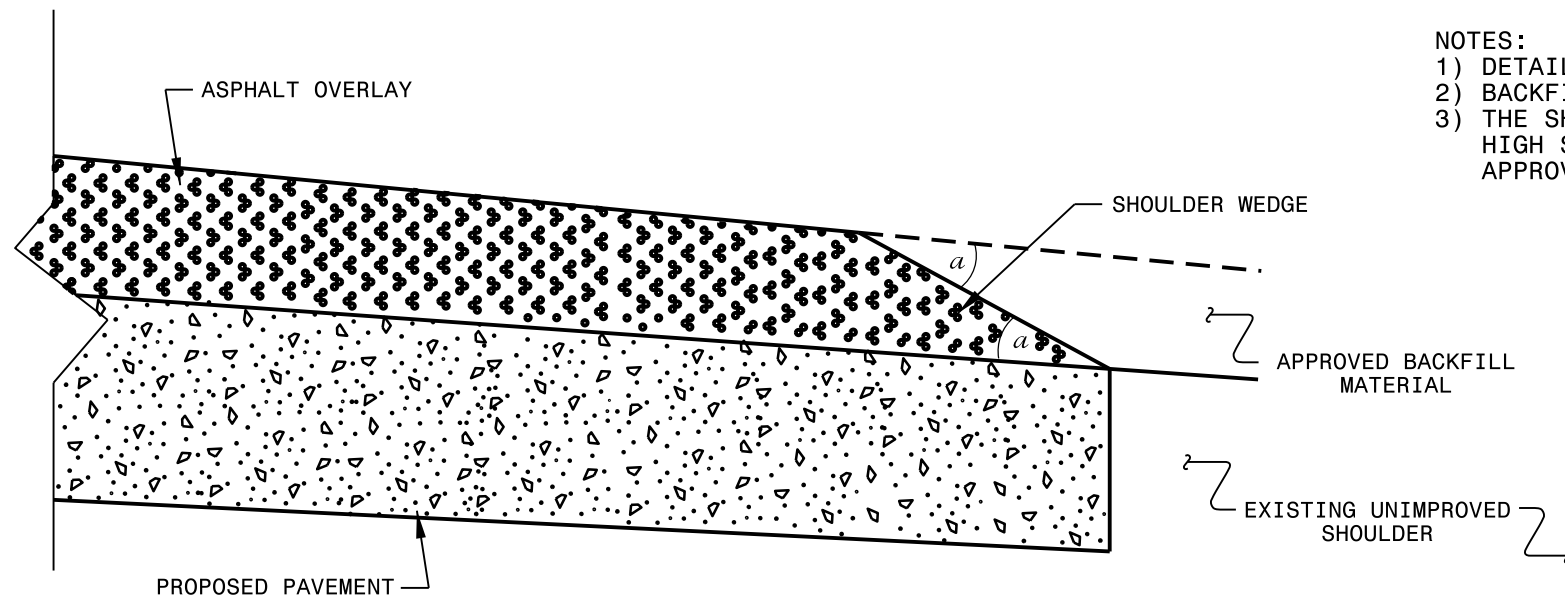


**TYPICAL SECTION NO. 1**

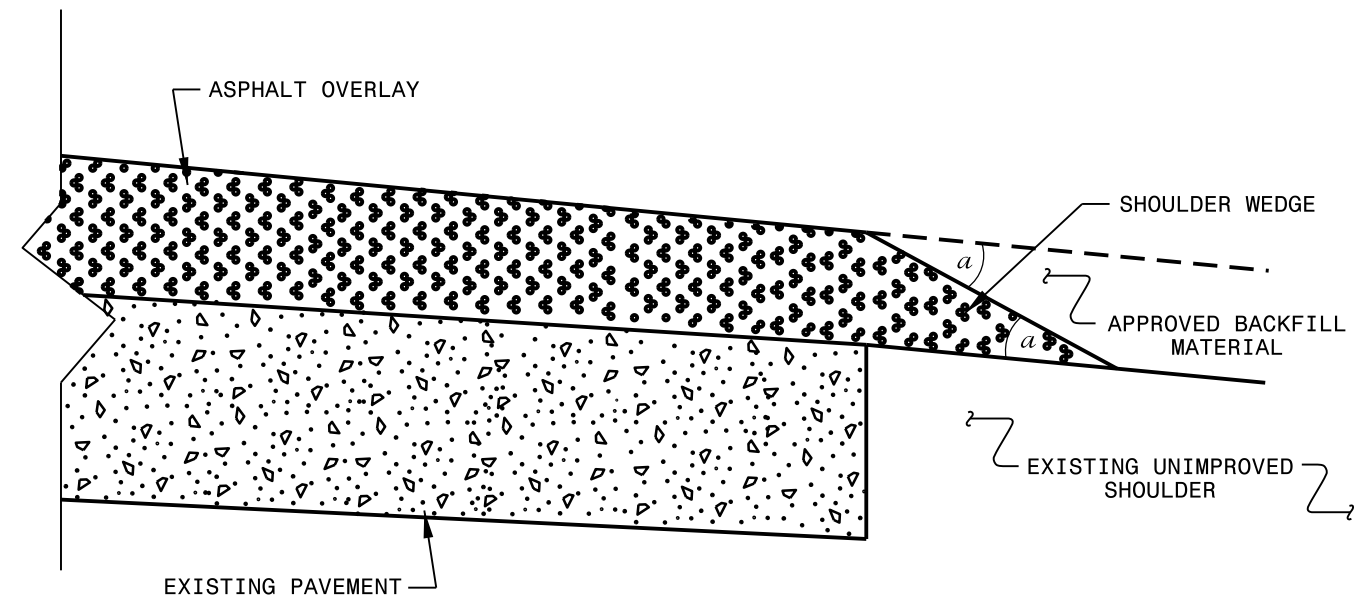
USE WITH MAP 1 & 2

NTS

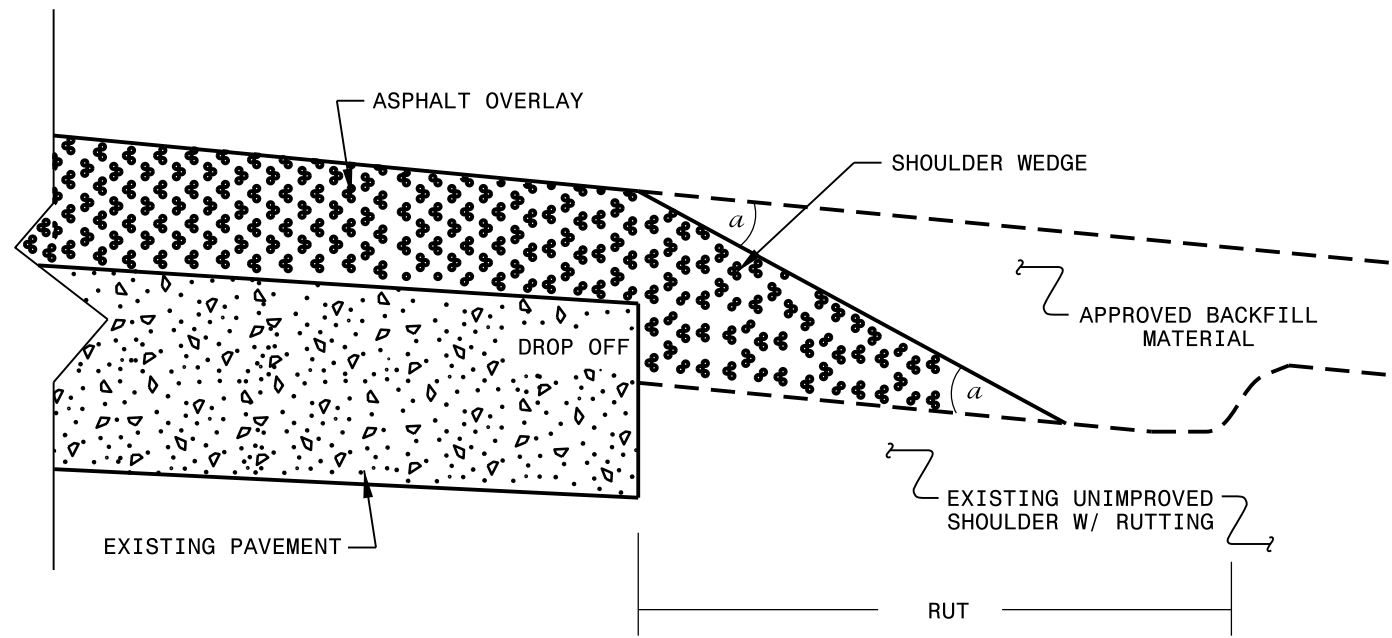
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



**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:            | 2/2/16  |
| CHECKED BY:                                    |  | DATE:            |         |
| FILE SPEC.:                                    | s:\usr\details\stand\shoulderwedgedetail.dgn |                  |         |

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

|                       |           |
|-----------------------|-----------|
| PROJECT NO.           | SHEET NO. |
| 2020CPT.01.03.20941.1 | 3         |

### SUMMARY OF QUANTITIES

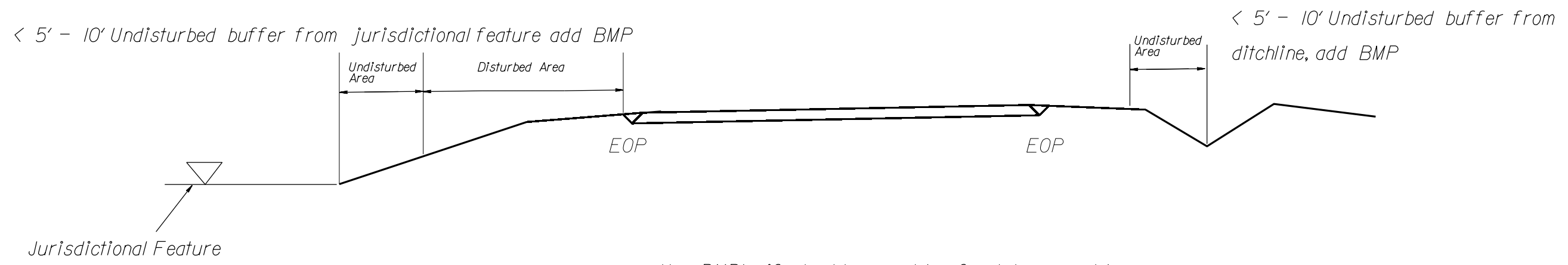
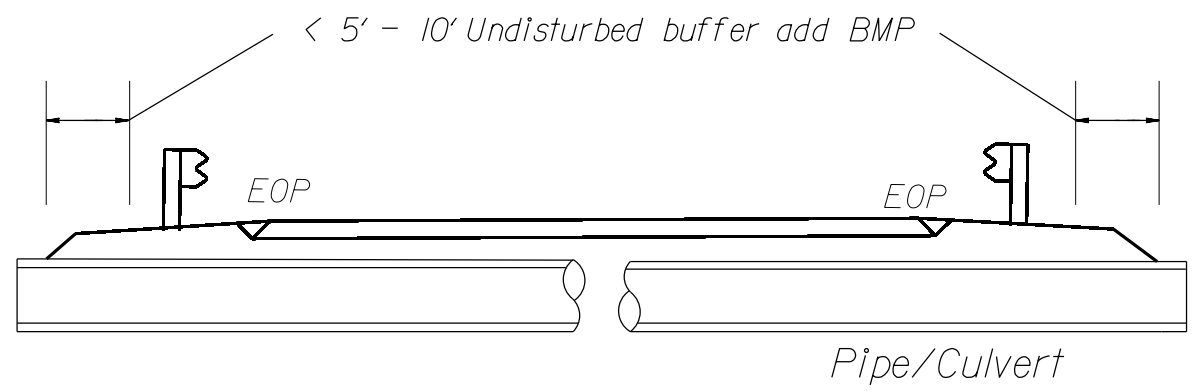
| PROJECT NO                                      | COUNTY     | MAP NO | ROUTE                | DESCRIPTION                         | TYP NO | LANES | LANE TYPE | FINAL SURFACE TESTING REQUIRED | WARM MIX ASPHALT REQUIRED | LENGTH      |    | WIDTH    |           | MOBILIZATION   | INCIDENTAL STONE BASE | MILLING ASPHALT PAVEMENT (6") | INCIDENTAL MILLING | ASPHALT CONCRETE INTERMEDIATE COURSE, 119.0C | ASPHALT CONCRETE SURFACE COURSE, S9.5B | ASPHALT BINDER FOR PLANT MIX | TEMPORARY SILT FENCE | COIR FIBER WATTLE | TEMPORARY TRAFFIC CONTROL (SP) | ADV/GEN WARNING SIGNS | 4" WHITE PAINT | 4" YELLOW PAINT | GENERIC PAVEMENT MARKING ITEM (HOT SPRAY THERMO 4" 50 MILS, WHITE) | GENERIC PAVEMENT MARKING ITEM (HOT SPRAY THERMO 4" 50 MILS, YELLOW) | GENERIC PAVEMENT MARKING ITEM (24" WIDE THERMO, 90 MILS) |
|---|------------|--------|----------------------|-------------------------------------|--------|-------|-----------|--------------------------------|---------------------------|-------------|----|----------|-----------|----------------|-----------------------|-------------------------------|--------------------|--|--|------------------------------|----------------------|-------------------|--------------------------------|-----------------------|----------------|-----------------|--|---|--|
|   |            |        |                      |                                     |        |       |           |                                |                           | MI          | FT | LS       | TON       |                |                       |                               |                    |  |  |                              |                      |                   |                                |                       |                |                 |  |   |  |
| 2020CPT.01.03.20941.1                           | Washington | 1      | SR 1126 (NEWLAND RD) | FROM 1000' NW OF SR 1180 TO SR 1183 | 1      | 2     | 2WU       | NO                             | NO                        | 3.28        | 24 | *        | 10        | 46,182         | 100                   | 7,979                         | 7,739              | 902  | 328                                    | 100                          | 1                    | 368               | 34,589                         | 21,618                | 34,589         | 21,618          | 14   |   |  |
| 2020CPT.01.03.20941.1                           | Washington | 2      | SR 1183 (SHORE DR.)  | FROM SR 1126 TO 4.36 MILES SOUTH    | 1      | 2     | 2WU       | NO                             | NO                        | 4.36        | 22 | *        | 12        | 56,792         | 100                   | 9,821                         | 9,477              | 1,106  | 436                                    | 130                          | *                    | 480               | 46,059                         | 28,787                | 46,059         | 28,787          | 46   |   |  |
| <b>TOTAL FOR PROJ NO. 2020CPT.01.03.20941.1</b> |            |        |                      |                                     |        |       |           |                                |                           | <b>7.64</b> |    | <b>1</b> | <b>22</b> | <b>102,974</b> | <b>200</b>            | <b>17,800</b>                 | <b>17,216</b>      | <b>2,008</b>                                 | <b>764</b>                             | <b>230</b>                   | <b>1</b>             | <b>848</b>        | <b>80,648</b>                  | <b>50,405</b>         | <b>80,648</b>  | <b>50,405</b>   | <b>60</b>  |   |  |

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

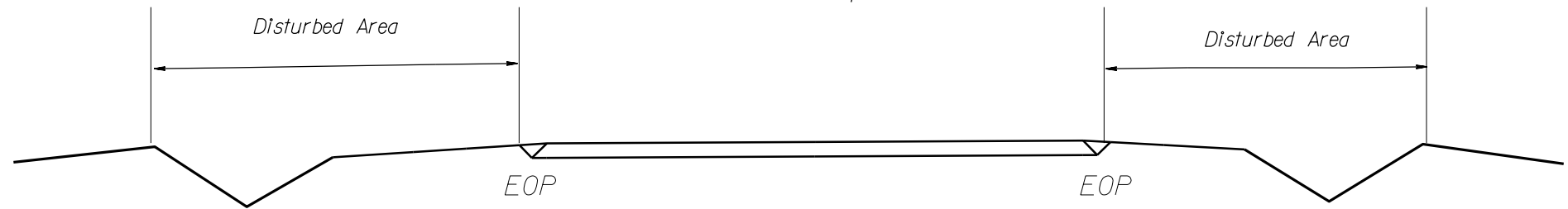
BMP Options: Wattle or Silt Fence

BMP's shall be implemented adjacent to jurisdictional wetlands and streams to prevent impacts from sediment loss and erosion. Project must not impact Pettigrew State Park or Pocosin Lakes National Wildlife Refuge.

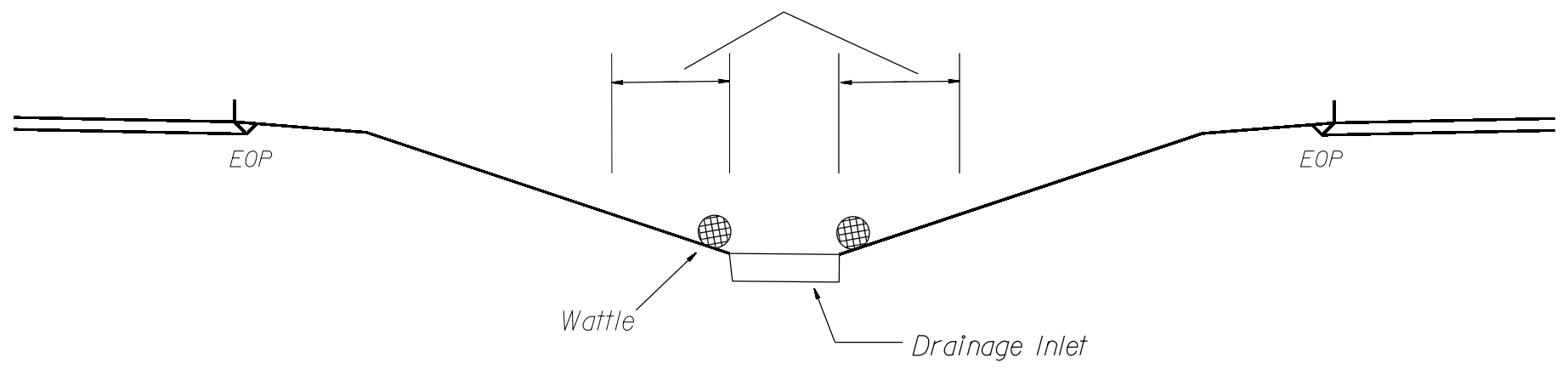
# EROSION CONTROL DETAIL



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

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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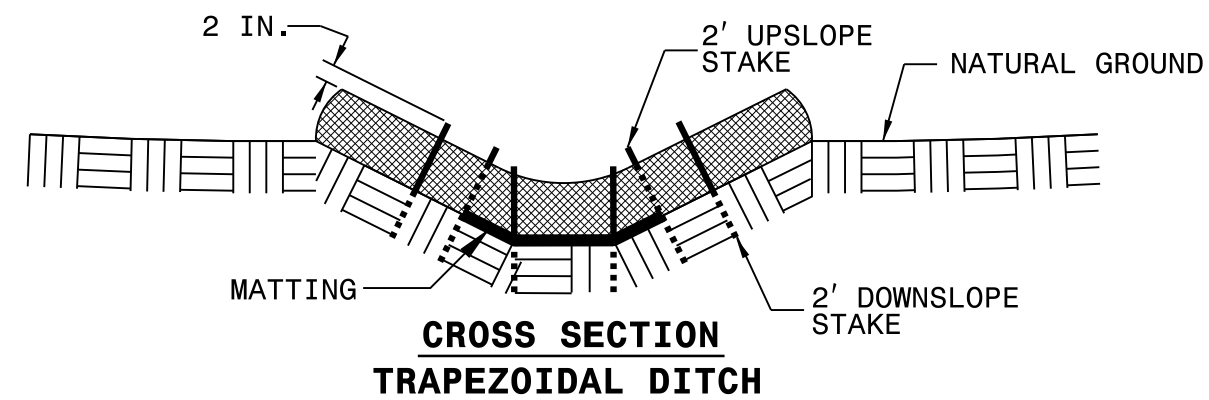
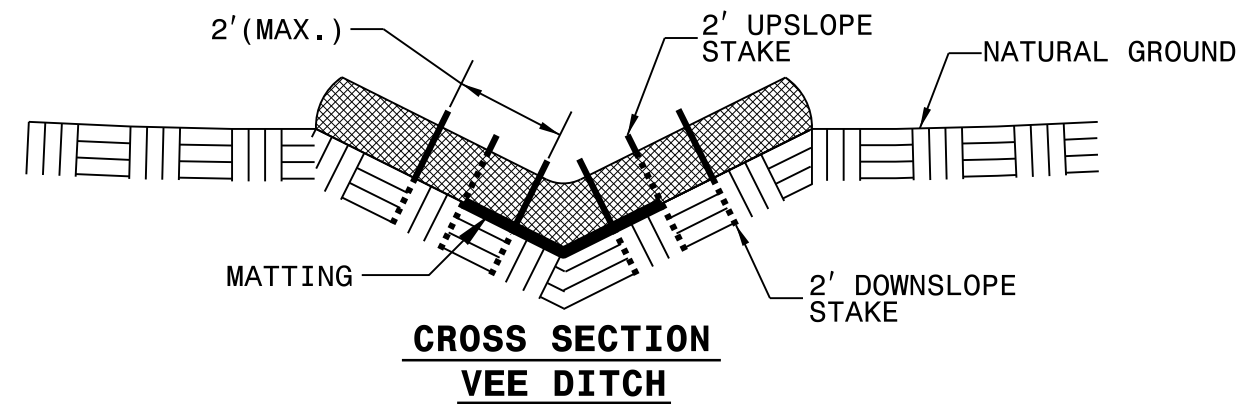
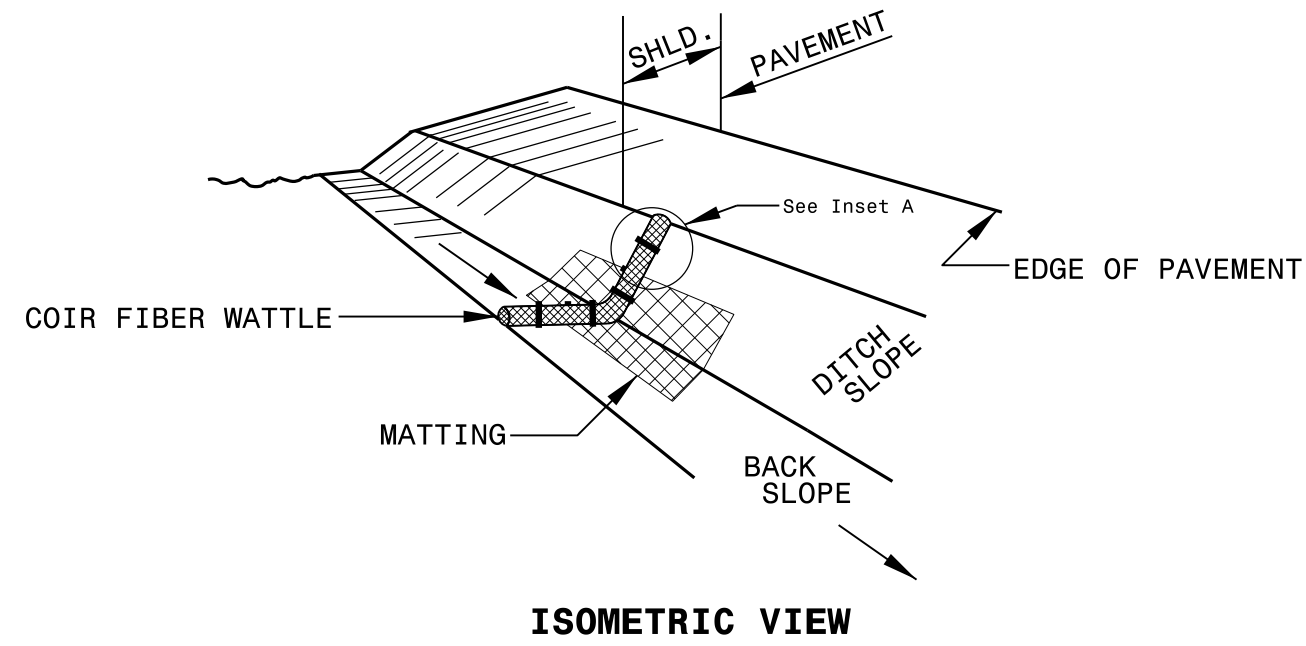


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## ***SOIL STABILIZATION TIMEFRAMES***

| <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.   |

# 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.

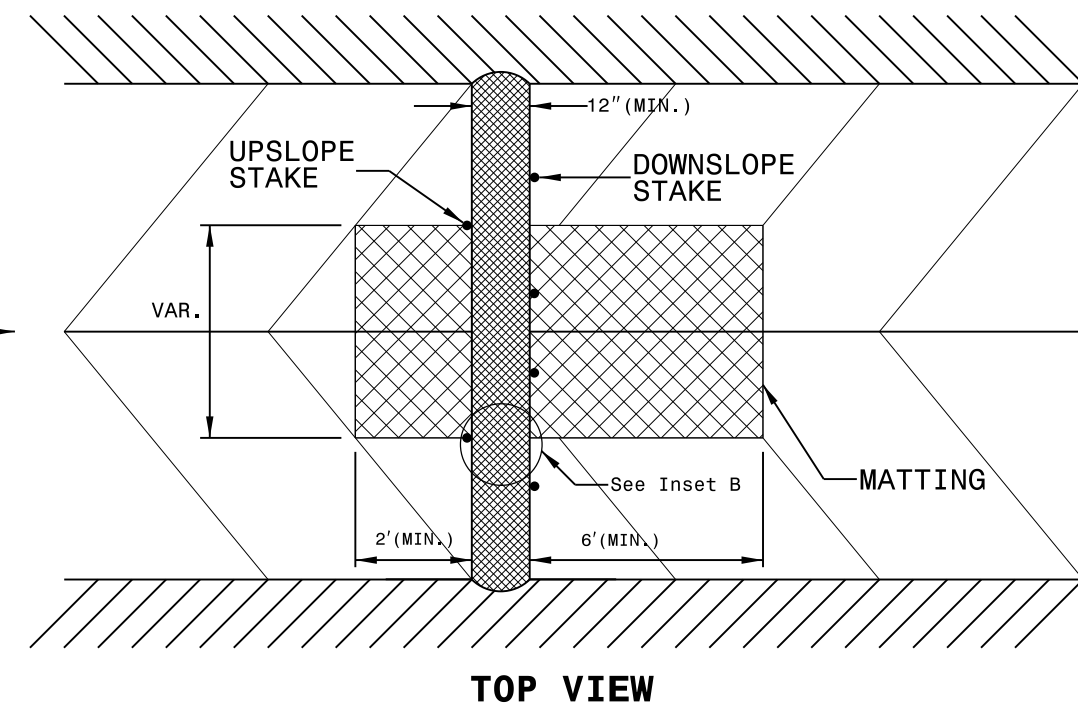
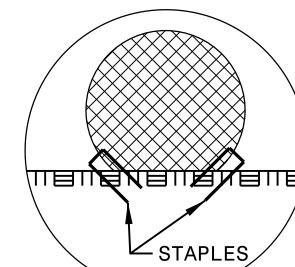
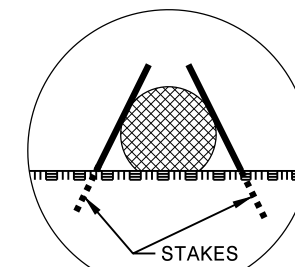
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

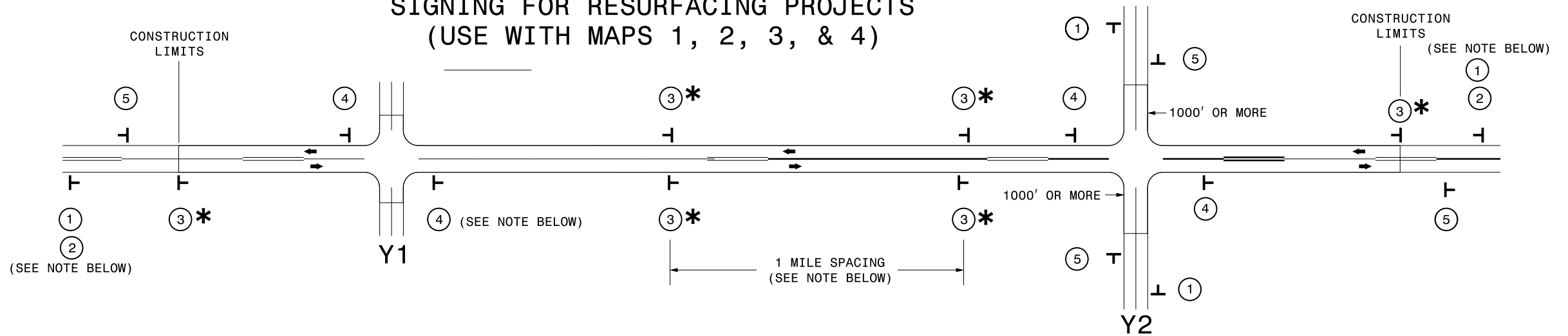
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.



## SIGNING FOR RESURFACING PROJECTS (USE WITH MAPS 1, 2, 3, & 4)



| LEGEND |                           |
|--------|---------------------------|
| T      | STATIONARY SIGN           |
| ←      | DIRECTION OF TRAFFIC FLOW |

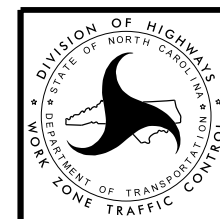
### MAINLINE (-L-) SIGNING

### -Y- LINE SIGNING

|  |    |   |   |   |
|--|----|---|---|---|
| <b>SIGNING NOTES AND<br/>PLACEMENT PER DIRECTION</b> | ①  | <br><small>W20-1<br/>48" X 48"</small>    | PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS.<br>ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.   | <p style="text-align: center;">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 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;"> <br/> <small>W20-1<br/>48" X 48"</small> </div> <div style="text-align: center;"> <br/> <small>W20-7 A<br/>48" X 48"</small> </div> </div> <p style="text-align: center;">PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> |
|  | ②  | <br><small>W7-3aP<br/>24" X 18"</small>   | #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)  |   |
|  | ③* | <br><small>SP 13107<br/>48" X 48"</small> | 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.   |   |
|  | ④  | <br><small>SP 13106<br/>48" X 48"</small> | 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. |   |
|  | ⑤  | <br><small>G20-2 A<br/>48" X 24"</small>  | PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.  |   |

### \* 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**