

Craven County

DB00546

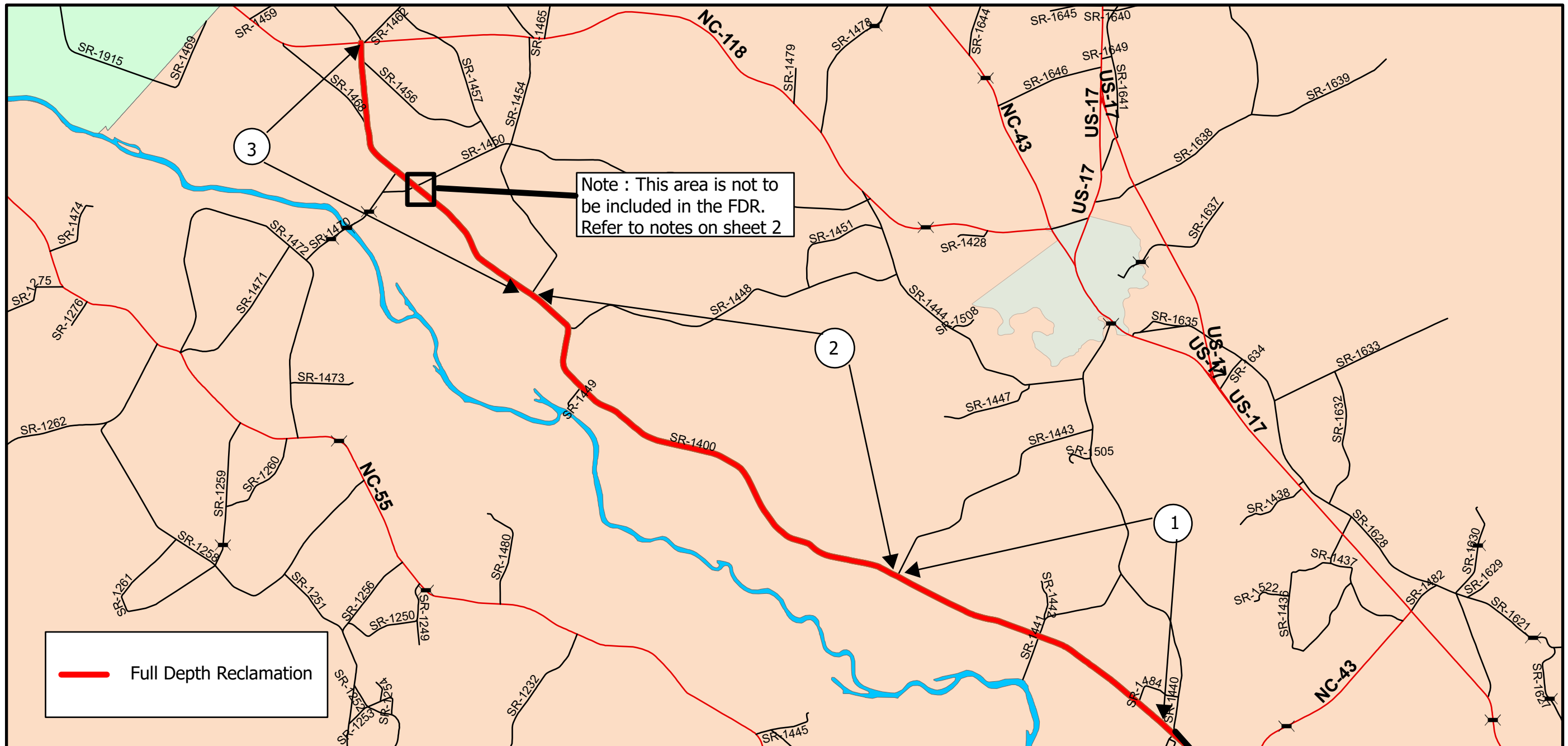
WBS# 2023CPT.02.15.20252

TYPE OF WORK : WIDENING AND FULL DEPTH RECLAMATION

| PROJECT REFERENCE NO. | SHEET NO. |
|-----------------------|-----------|
| DB00546 | 1 |

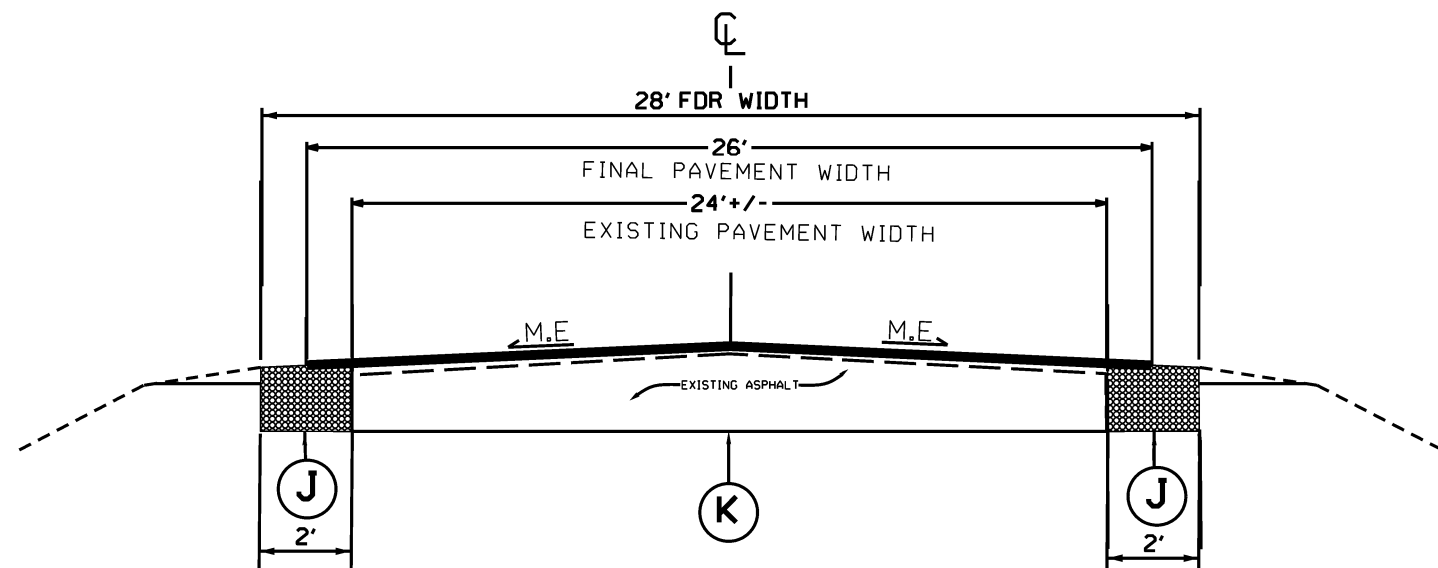


NCDOT
DIVISION 2



TYPICAL SECTION NO. 1

MAP 1, 2, AND 3



| PAVEMENT SCHEDULE | |
|-----------------------|------------------------------------|
| J | SELECT GRANULAR MATERIAL, CLASS 3. |
| K | PROP. 12" FULL DEPTH RECLAMATION. |
| DRAWINGS NOT TO SCALE | |

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

NOTE:

1. PLACE ASYMMETRICAL CLASS 3 SELECT MATERIAL AT A DEPTH OF 12" INCHES, AS DIRECTED BY THE ENGINEER.
2. 12" FULL DEPTH RECLAMATION: FOR CEMENT RATE REFER TO SHEET 3.
3. STATE FORCES WILL INSTALL ASPHALT SURFACE TREATMENT IMMEDIATELY FOLLOWING THE FDR. THE ASPHALT SURFACE TREATMENT SHALL BE COMPLETED BEFORE MOVING TO THE NEXT MAP.
4. ANY EXCESS MATERIAL FROM THE WIDENING PROCESS SHALL BE REMOVED IMMEDIATELY.
5. NO WORK SHALL OCCUR ON MAP 3, FROM 300 FT SOUTHEAST TO 500 FT NORTHWEST OF SR-1450 NELSON ROAD. THIS IS THE PROPOSED PROJECT LIMITS OF PROJECT W-5702V, CONSTRUCTION OF A ROUNDABOUT.

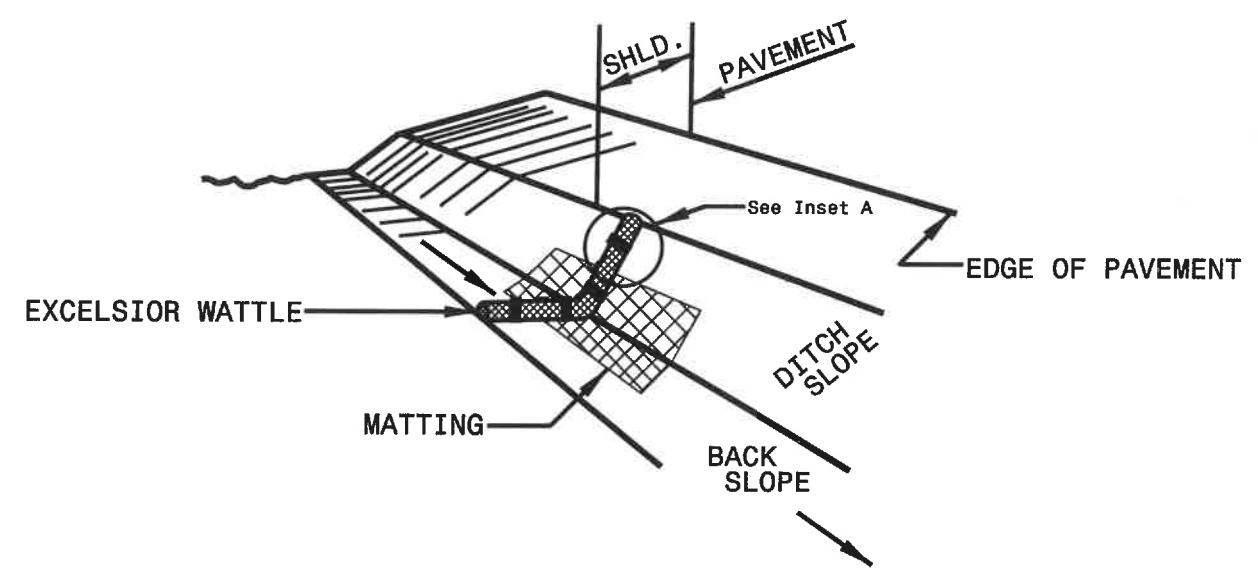
| | | |
|-------------|-----------|-----------|
| PROJECT NO. | SHEET NO. | TOTAL NO. |
| DB00546 | 3 | |

SUMMARY OF QUANTITIES

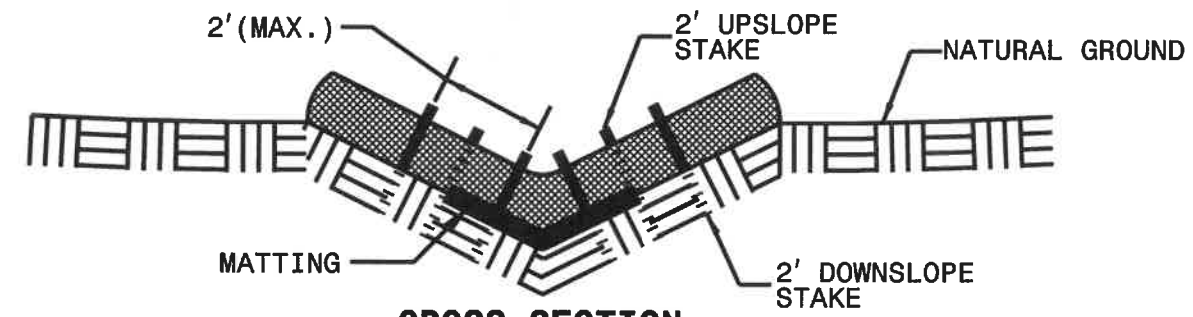
| PROJECT NO | COUNTY | MAP NO | ROUTE | DESCRIPTION | TYP NO | LANES | LANE TYPE | FINAL SURFACE TESTING REQUIRED | WARM MIX ASPHALT REQUIRED | LENGTH | WIDTH | 0194000000-E | 0241000000-E | 1220000000-E | 6000000000-E | 6071010000-E | 6117000000-N | 4413000000-N | 4457000000-N | |
|---|--------|--------|--------------------|--|--------|-------|-----------|--------------------------------|---------------------------|--------|--------------|-----------------------------------|-------------------------------|-----------------------|----------------------|--------------|------------------------------|---|---------------------------|-------------|
| | | | | | | | | | | | | SELECT GRANULAR MATERIAL, CLASS 3 | FLEXIBLE PAVEMENT RECLAMATION | INCIDENTAL STONE BASE | TEMPORARY SILT FENCE | WATTLE | RESPONSE FOR EROSION CONTROL | WORK ZONE ADVANCE/GENERAL WARNING SIGNING | TEMPORARY TRAFFIC CONTROL | |
| | | | | | | | | | | | MI | FT | CY | SY | TONS | LF | LF | EA | SF | LS |
| 2023CPT.02.15.20252 | Craven | 1 | SR-1400 / RIVER RD | FROM 185' NORTH OF WEST CRAVEN RD. TO STATE CAMP RD. | 1 | 2 | 2WU | NO | NO | 3.64 | 28 | 2,900 | 59,800 | 73 | 582 | 150 | 1 | 500 | 0.28 | |
| TOTAL FOR MAP NO. 1 | | | | | | | | | | | 3.64 | | 2,900 | 59,800 | 73 | 582 | 150 | 1 | 500 | 0.28 |
| 2023CPT.02.15.20252 | Craven | 2 | SR-1400 / RIVER RD | FROM STATE CAMP RD. TO BAY BUSH RD. | 1 | 2 | 2WU | NO | NO | 5.67 | 28 | 4,500 | 93,250 | 113 | 907 | 200 | 1 | 650 | 0.44 | |
| TOTAL FOR MAP NO. 2 | | | | | | | | | | | 5.67 | | 4,500 | 93,250 | 113 | 907 | 200 | 1 | 650 | 0.44 |
| 2023CPT.02.15.20252 | Craven | 3 | SR-1400 / RIVER RD | FROM BAY BUSH RD. TO HWY 118 | 1 | 2 | 2WU | NO | NO | 3.65 | 28 | 2,900 | 60,000 | 73 | 584 | 200 | 1 | 500 | 0.28 | |
| TOTAL FOR MAP NO. 3 | | | | | | | | | | | 3.65 | | 2,900 | 60,000 | 73 | 584 | 200 | 1 | 500 | 0.28 |
| TOTAL FOR PROJ NO. 2023CPT.02.15.20252 | | | | | | | | | | | 12.96 | | 10,300 | 213,050 | 259 | 2,073 | 550 | 3 | 1,650 | 1 |
| GRAND TOTAL | | | | | | | | | | | 12.96 | | 10,300 | 213,050 | 259 | 2,073 | 550 | 3 | 1,650 | 1 |

| MAP NO | | | Cement Rate (LBS/SY) | Cement Percent | Mixing Depth |
|--------|---------|--|----------------------|----------------|--------------|
| 1 | SR 1400 | FROM 185' NORTH OF WEST CRAVEN RD. TO STATE CAMP RD. | 68 | 6.0 | 12" |
| 2 | SR 1400 | FROM STATE CAMP RD. TO BAY BUSH RD. | 68 | 6.0 | 12" |
| 3 | SR 1400 | FROM BAY BUSH RD. TO HWY 118 | 68 | 6.0 | 12" |

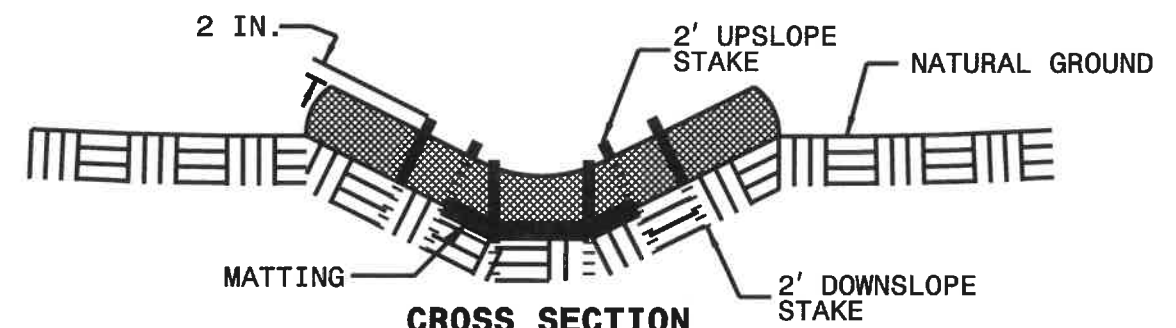
WATTLE DETAIL



ISOMETRIC VIEW



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH

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.

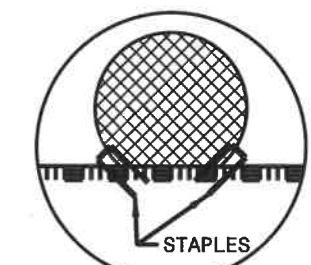
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

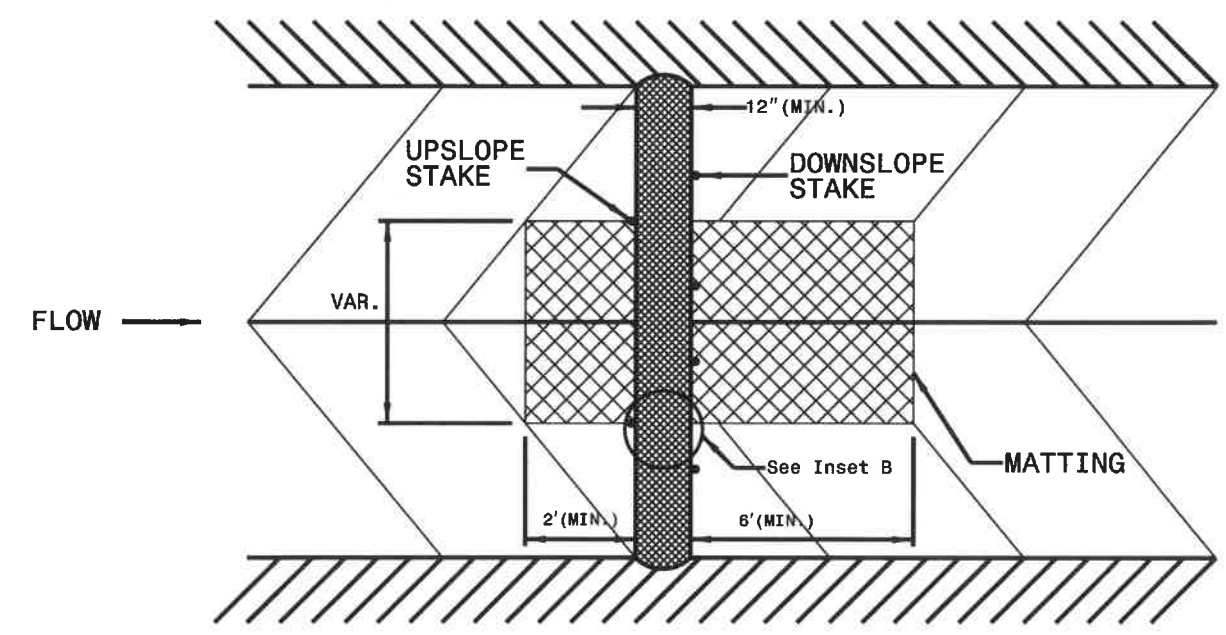
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



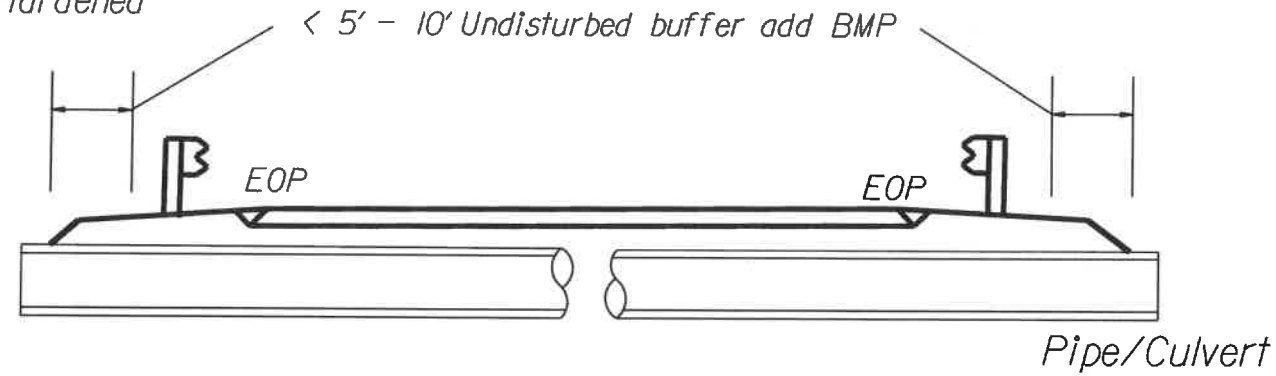
TOP VIEW

NOT TO SCALE

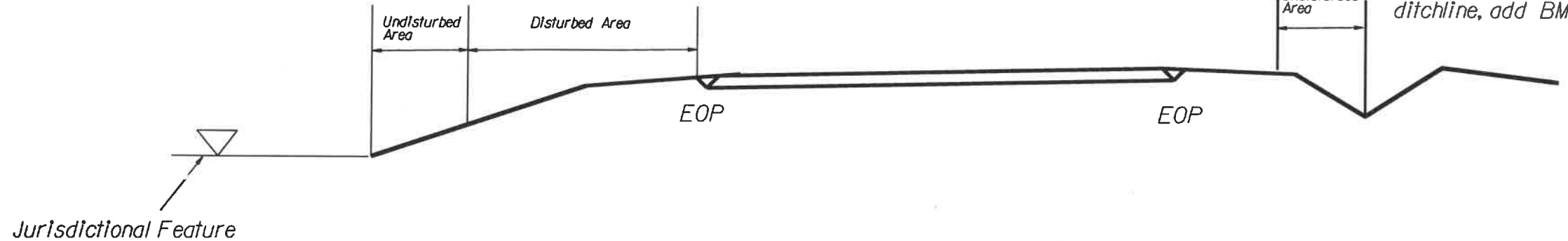
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle, Silt Fence or Hardened Aggregate.

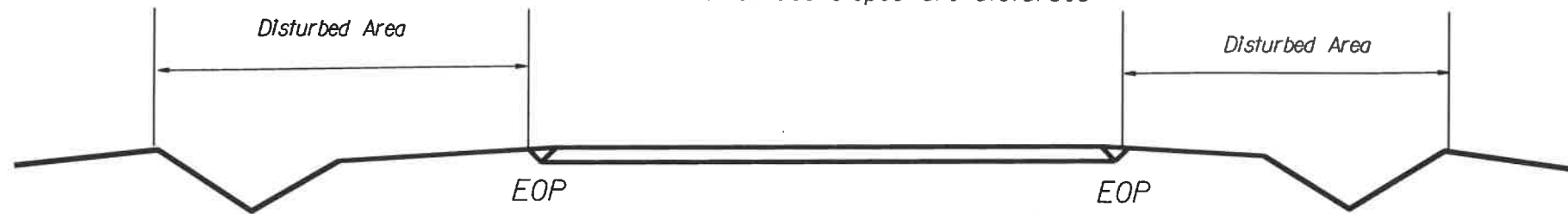
EROSION CONTROL DETAIL



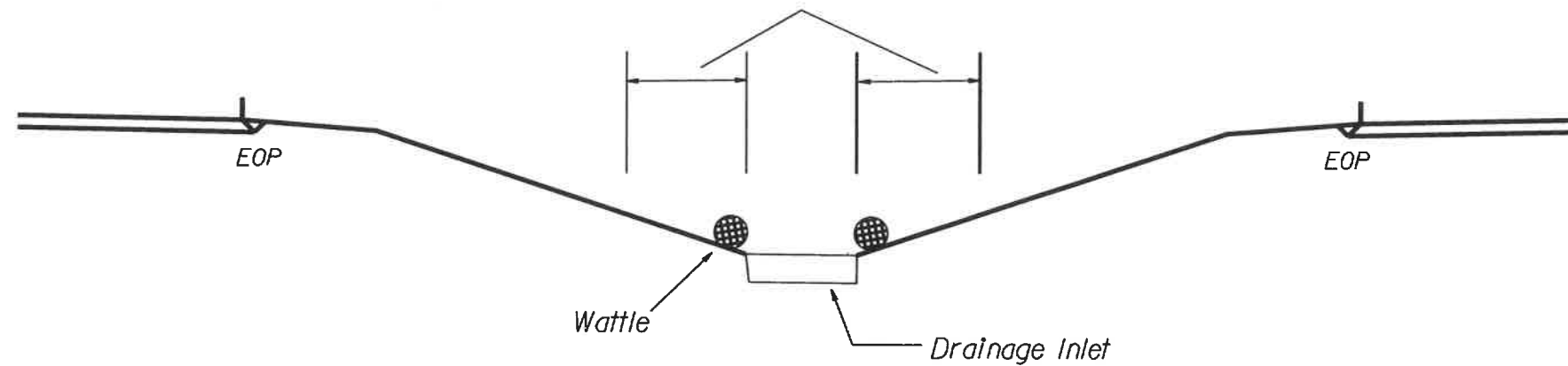
< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP



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

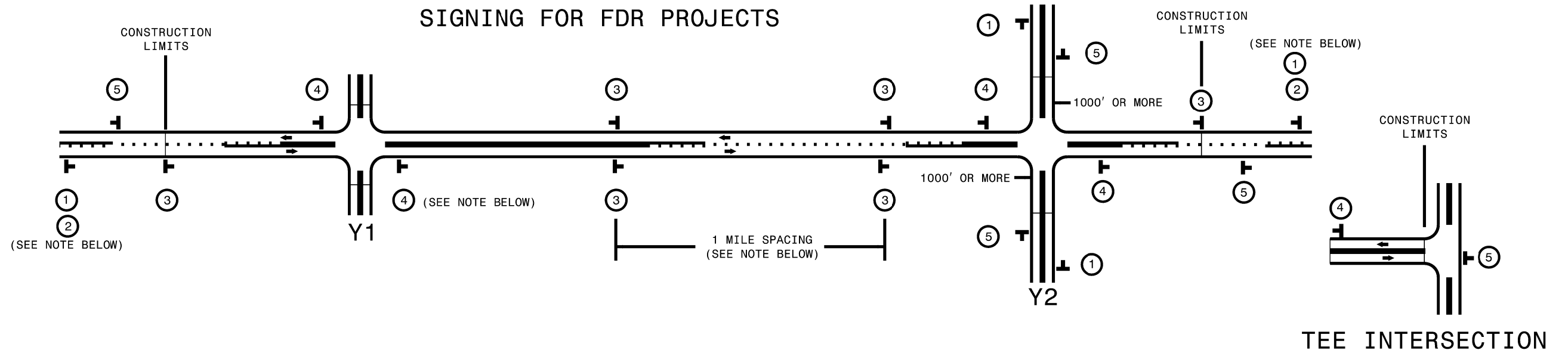


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

SIGNING FOR FDR PROJECTS



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

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

| SIGNING NOTES AND PLACEMENT PER DIRECTION | 1 | 2 | 3 | 4 | 5 | |
|---|--|--|---|---|---|---|
| | | | | | | <p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <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> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> |
| | PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. | #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) | - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER. | - 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE. | PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION. | |
| | W20-1 48" X 48" | W7-3aP 24" X 18" | SP 13107 48" X 48" | SP 13106 48" X 48" | G20-2 A 48" X 24" | |
| | | | | | | |



FDR
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS