

09/08/99

CONTRACT NO.: DA00348 WBS ELEMENT: 2017CPT.01.22.20081.1

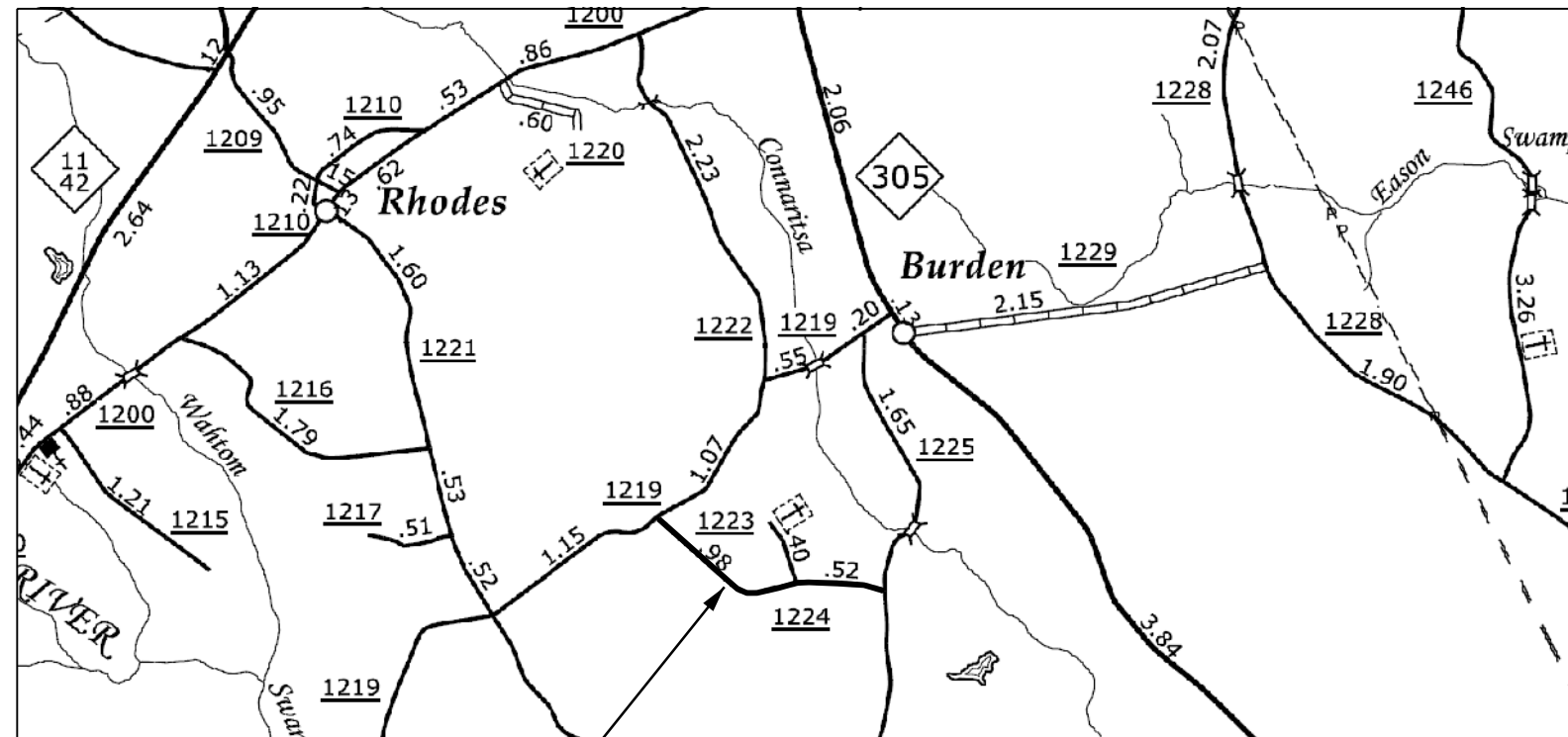
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

BERTIE COUNTY

LOCATION: MAP 1 SR 1224 FROM SR 1219 TO SR 1225

TYPE OF WORK: FULL DEPTH RECLAMATION & RESURFACING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2017CPT.01.22.20081.1	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2017CPT.01.22.20081.1		MAP 1	



MAP 1

NTS

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT MAP 1 = 1.48 MI.

Prepared in the Office of:
DIVISION OF HIGHWAYS

113 Airport Dr., Edenton NC, 27932

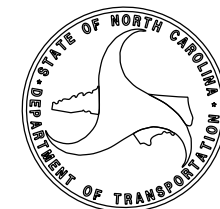
2012 STANDARD SPECIFICATIONS

LETTING DATE:

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

C.E. SLACHTA
DIVISION PROPOSALS ENGINEER

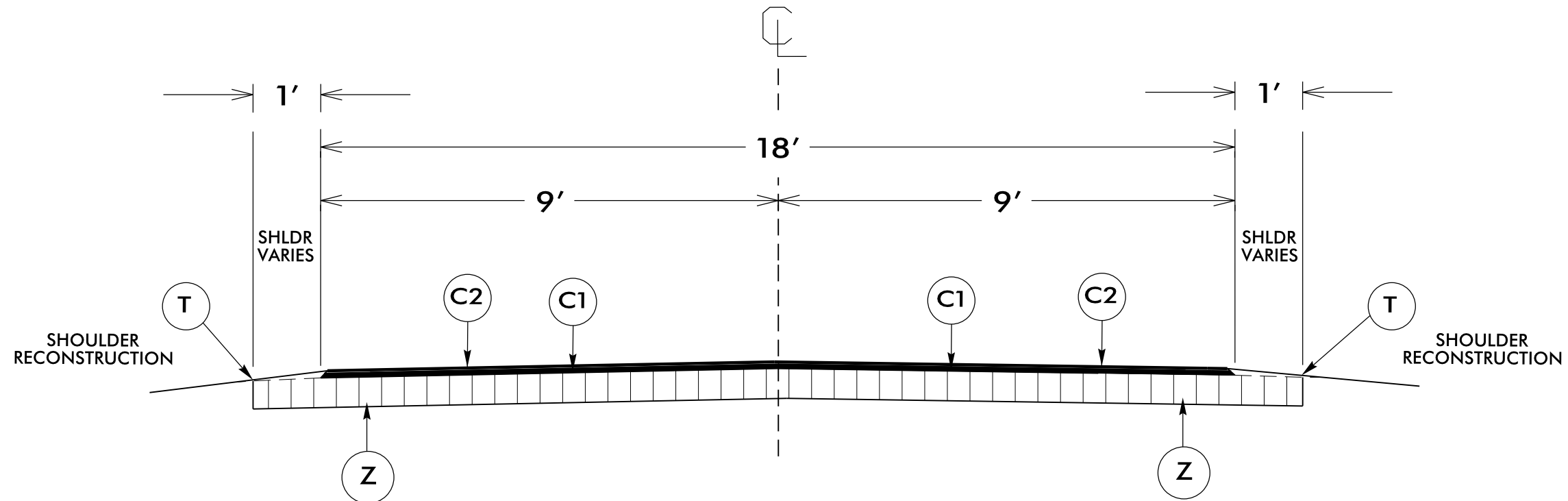
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA



1. VEGETATION MUST BE REMOVED FROM SHOULDER PRIOR TO PERFORMING FULL DEPTH RECLAMATION (FDR) OUT TO 20'
2. CONTRACTOR IS REQUIRED TO HAVE AN OPERATIONAL & EFFECTIVE DUST SUPPRESSION SYSTEM, THROUGHOUT THE CEMENT APPLICATION PROCESS.
3. CEMENT LADEN WATER MUST NOT BE ALLOWED TO LEAVE ROADWAY.
4. IF ASPHALT CURING SEAL IS APPLIED, BLOTTING MATERIAL MUST BE THOROUGHLY REMOVED PRIOR TO PLACING ASPHALT CONCRETE SURFACE COURSE.
5. CONTRACTOR SHALL WET CURE FDR FOR 24 HOURS PRIOR TO PAVING. DO NOT LET THE SURFACE OF FDR DRY OUT. BE SURE TO USE A TACK COAT BETWEEN FDR AND NEXT LAYER OF ASPHALT PAVEMENT.
6. "NO" TRAFFIC WILL BE ALLOWED ON CEMENT TREATED BASE PRIOR TO PLACEMENT OF THE ASPHALT CONCRETE SURFACE COURSE.
7. PAVEMENT MARKINGS TO BE APPLIED BY THE CONTRACTOR.
8. SHOULDER RECONSTRUCTION TO BE COMPLETED BY THE CONTRACTOR.

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

C1	BOTTOM LAYER: PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	TOP LAYER: PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
Z	PROP. FULL DEPTH RECLAMATION AT A DEPTH OF 12" WITH PORTLAND CEMENT TREATED BASE AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
T	EARTH MATERIAL



TYPICAL SECTION NO. 1

USE WITH MAP 1

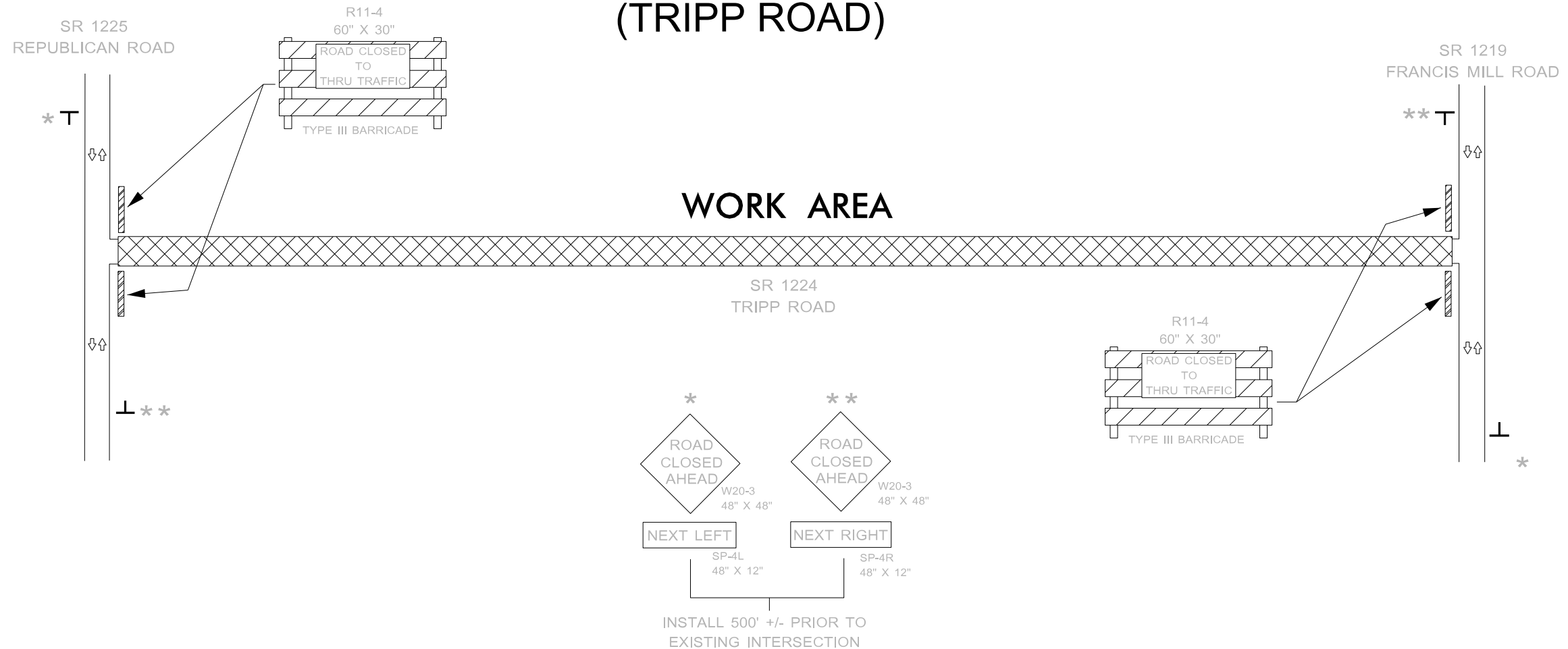
NOTES:

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

*A TACK COAT BETWEEN THE FDR LAYER AND THE SURFACE COURSE LAYER IS REQUIRED

NTS

ROAD CLOSURE SR 1224 (TRIPP ROAD)



ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "2012 NCDOT STANDARD ROADWAY DRAWINGS" ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1135.01	CONES
1145.01	BARRICADES
904.10	ORIENTATION OF GROUND MOUNTED SIGNS

GENERAL NOTES

1. PROVIDE A MINIMUM 21 CALENDAR DAY NOTICE TO STATE FORCES BEFORE A ROADWAY IS CLOSED TO TRAFFIC SUCH THAT THE NECESSARY PROVISIONS CAN BE MADE TO INFORM LOCAL EMERGENCY AND LAW ENFORCEMENT PERSONNEL, SCHOOLS OR ANY OTHER PARTIES AFFECTED BY THE ROAD CLOSURE.
2. INSTALL SIGNS BEFORE THE BARRICADES WHEN CLOSING THE ROADWAY TO TRAFFIC. REMOVE BARRICADES BEFORE SIGNS WHEN OPENING THE ROADWAY TO TRAFFIC. INSTALL/REMOVE SIGNS AND BARRICADES WITHIN THE SAME CALENDAR DAY.
3. SEE STANDARD SPECIFICATION 1089-1 FOR WORK ZONE SIGNS.
4. SEE STANDARD SPECIFICATION 1089-2 FOR WORK ZONE SIGN SUPPORTS.

LEGEND

	DIRECTION OF TRAFFIC FLOW
	BARRICADE (TYPE III)
	STATIONARY MOUNTED SIGN

PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.01.22.20081.1	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 MI	WIDTH FT	MOBILIZATION LS	BORROW EXCAVATION CY	SOIL CEMENT BASE (FULL DEPTH RECLAMATION) SY	PORTLAND CEMENT FOR SOIL CEMENT BASE TONS	INCIDENTAL STONE BASE TONS	SHOULDER RECONSTRUCTION SMI	SURFACE COURSE, SF9.5A TONS	ASPHALT BINDER FOR PLANT MIX TONS	AC PLANT MIX (REPAIR) TONS	WORK ZONE SIGNS (BARRICADE MOUNTED) SF	WORK ZONE ADVANCE/GENERAL WARNING SIGNING SF
2017CPT.01.22.20081.1	Bertie	1	SR 1224	FROM SR 1219 TO SR 1225	1	2	2WU	NO	NO	1.48	18	1	250	18,000	630	20	2.96	2,457	165	25	50	80
TOTAL										1.48	-	1	250	18,000	630	20	2.96	2,457	165	25	50	80

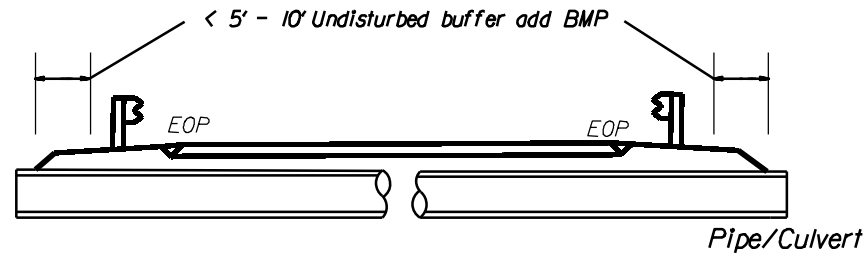
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	BARRICADES (TYPE III) SF	TEMPORARY TRAFFIC CONTROL LS	4" WHITE PAINT LF	4" YELLOW PAINT LF	TEMPORARY SILT FENCE LF	COIR FIBER WATTLE LF	SEEDING & MULCHING ACR
2017CPT.01.22.20081.1	Bertie	1	SR 1224	FROM SR 1219 TO SR 1225	1	2	2WU	NO	NO	1.48	18	32	1	31,850	19,536	100	100	1.5
TOTAL										1.48	-	32	1	51,386	100	100	1.5	

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

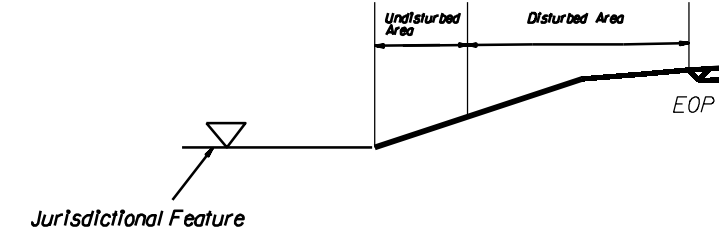
BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL

PROJECT NUMBER: 10-1111	SHEET NO. 15-11/001/12
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

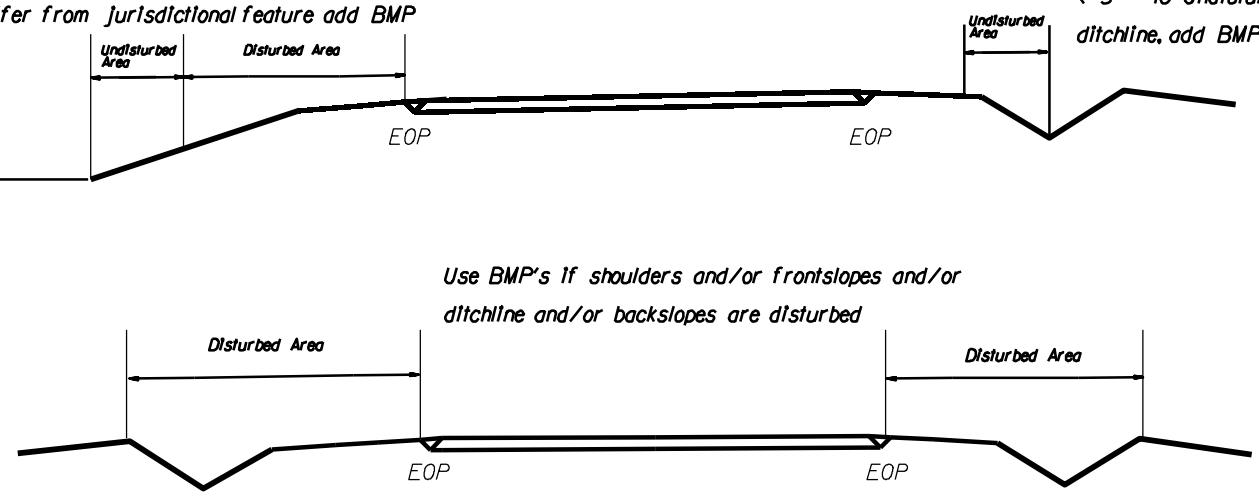


< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP

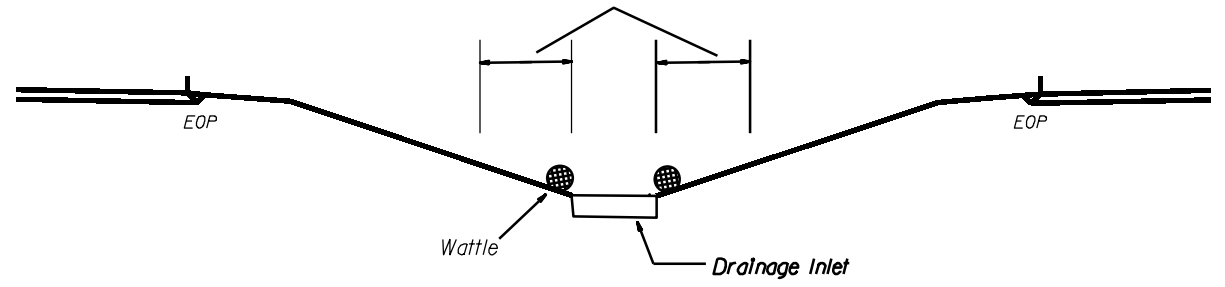


< 5' - 10' Undisturbed buffer from ditchline, add BMP

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



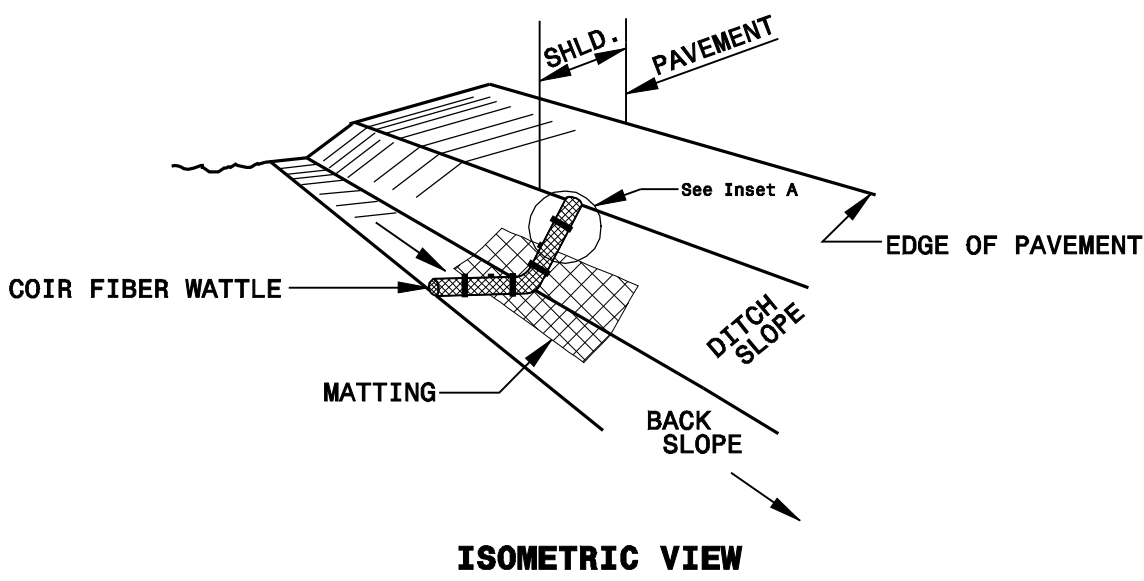
< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

PROJECT REFERENCE NO. X-XXXX	SHEET NO. EC-26
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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.

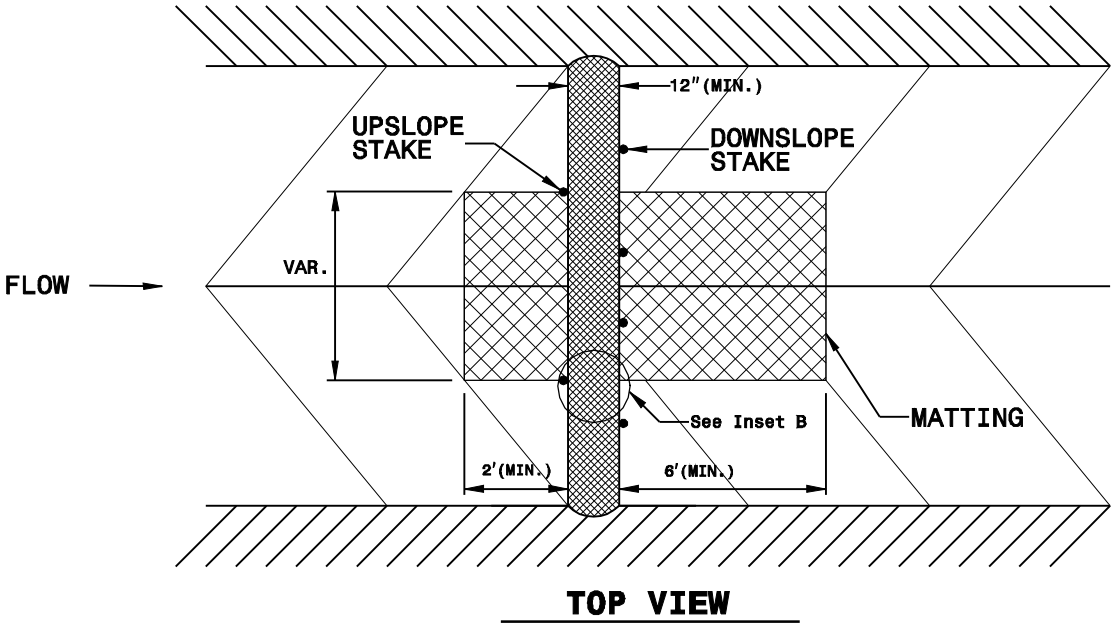
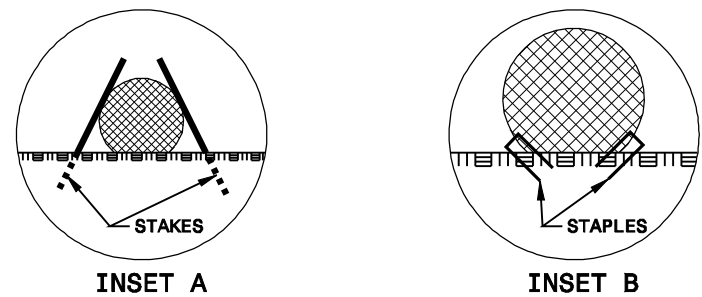
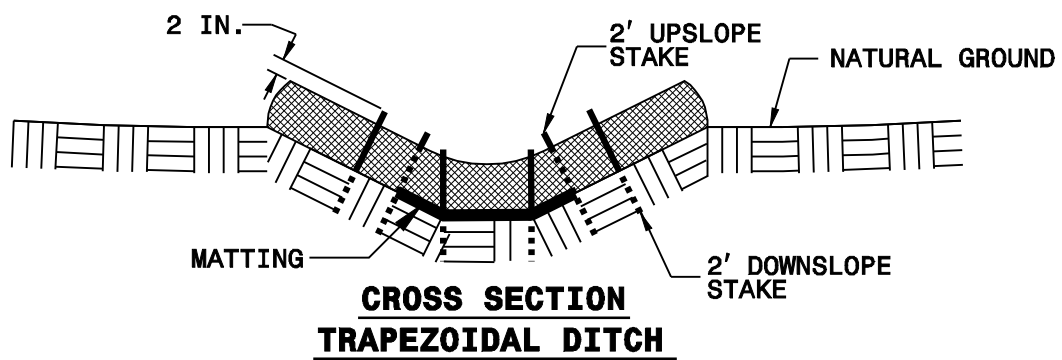
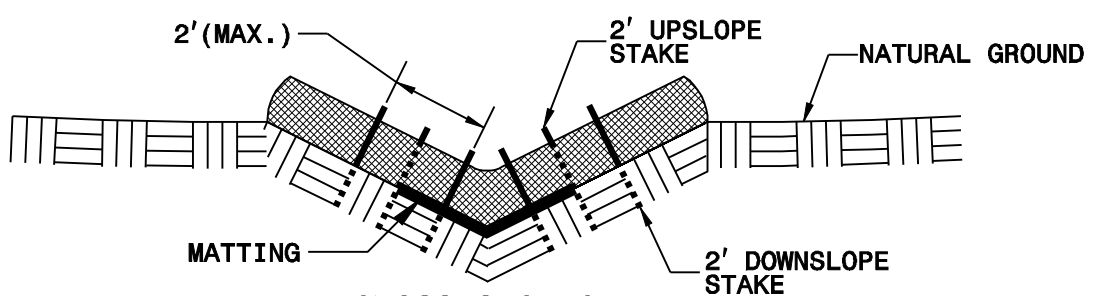
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

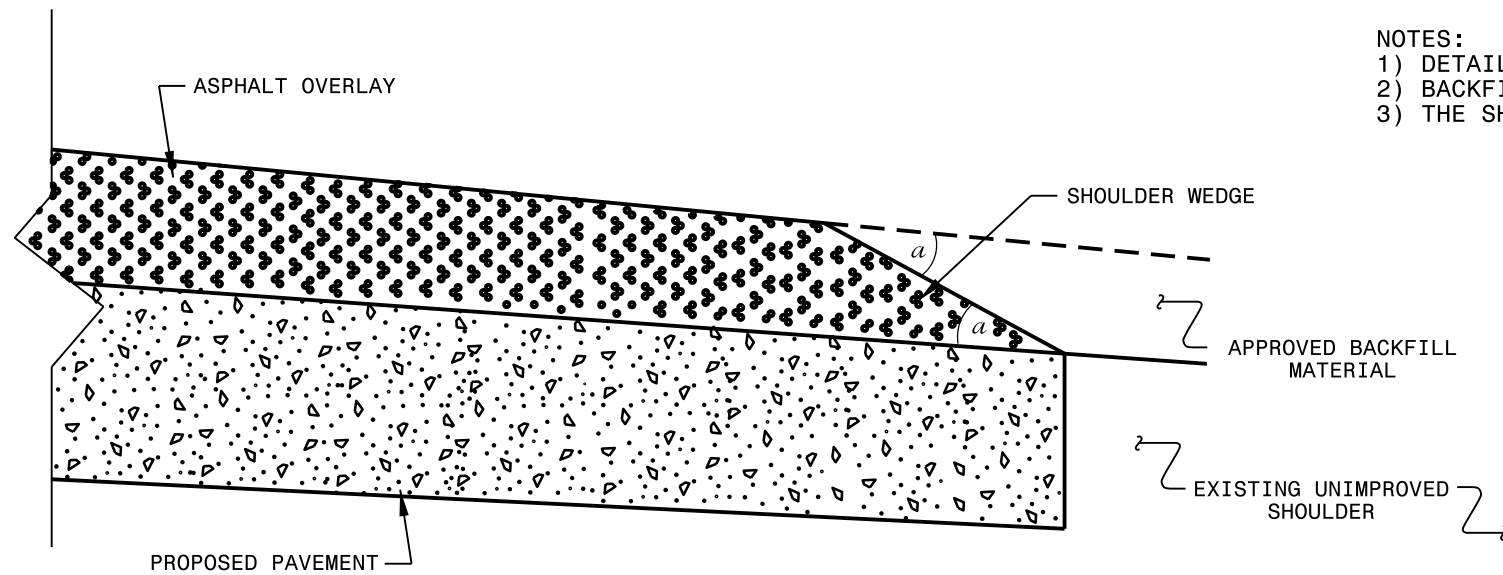
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

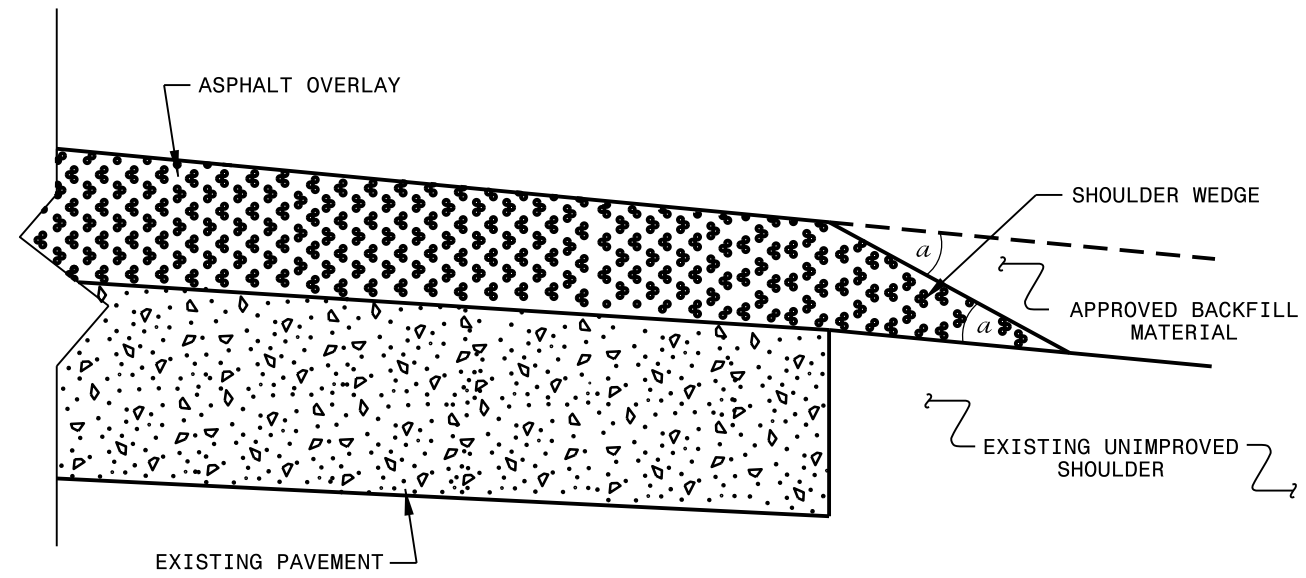
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



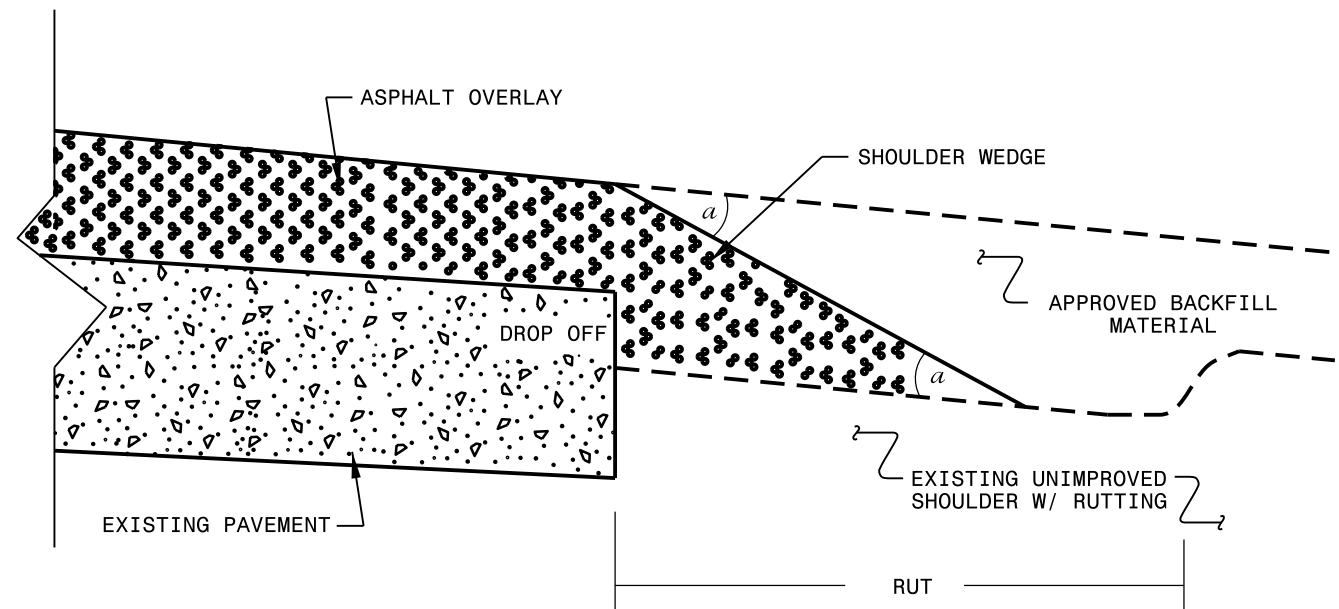
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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°

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.: susr/details/stand/shoulderwedgedetail.dgn			

SYSTEMS DESIGN USER NAME