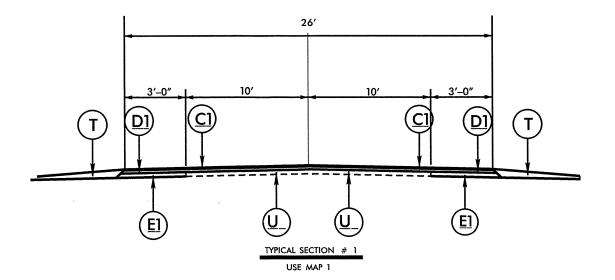


Sheet 1 2CR.10741.9 Pit County

	PAVEMENT SCHEDULE						
C1	PROP APPROX, 1 1/2"ASPHALT CONCRETE SURFACE COURSE, TYPE, S9.5B, AT AN AVERAGE RATE OF 168 LBS PER SQ YD						
D <u>1</u>	PROP APPROX, 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 119.0B AT AN AVERAGE RATE OF 285 LBS PER SQ YD						
E1	PROP APPROX, 6" ASPHALT CONCRETE BASE COURSE, TYPE B25.OB, AT AN AVERAGE RATE OF 684 LBS PER SQ YD TO BE PLACED IN ONE LIFT						
U .	EXISTING PAVEMENT						
Т	SHOULDER RECONSTRUCTION						

PROJECT REFERENCE NO).	SHEET NO.
2CR.10741.9		2
ROADWAY DESIGN ENGINEER	P.	AVEMENT DESIGN ENGINEER

NC 102 WIDEN & RESURFACING WBS # 2CR.10741.9



PROJECT NO.	SHEET NO.	TOTAL NO.
2CR.10741.9	3	

SUMMARY OF QUANTITIES

PROJECT	COUNT	ГҮ МАР	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH	WIDTH	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTI ON	BORROW EXCAVATION	5" MONOLITHIC ISLAND (KEYED IN)		INTERMEDIATE COURSE, 119.0B		PG 64-22 PLANT MIX	TEMPORARY SILT FENCE	SEDIMENT CONTROL STONE	WATTLE	SEEDING & MULCHING
NO		NO			NO		MI	FT	TON	SMI	CY	SY	TONS	TONS	TONS	TONS	LF	TON	LF	ACR
2CR.10741.9	Pitt			STARTING @ BRIDGE # 53 NEAR AYDEN GOING EAST TO INTERSECTION OF NC 43 AND NC 102 9.8 MILES	1	NO	9.8	26	980	19.60	4,000	60	14,295	23,619	13,879	2,558	2,500	5	100	24
	L FOR MA	AP NO.	1				9.8		980	19.60	4,000	60	14,295	23,619	13,879	2,558	2,500	5	100	24
TOTAL FOR	R PROJ NO	O. 2CR.	10741.9				9.8		980	19.60	4,000	60	14,295	23,619	13,879	2,558	2,500	5	100	24
								Y		T 40.00	4 000	·	44.005	02.040	13.879	2.558	2.500	-	100	24
I G	RAND TO	DTAL		l i		1	9.8	l	980	19.60	4,000	60	14,295	23,619	13,879	∠,558	∠,500	3	100	

THERMOPLASTIC AND PAINT QUANTITIES

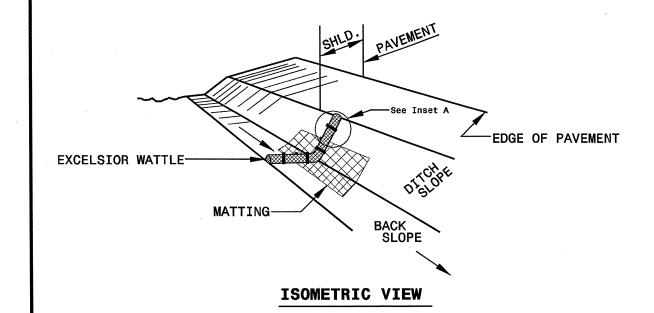
				O	, , , , , ,					
					4685000000-E	4686000000-E	4710000000-E	481000	0000-E	4905000000-N
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	4" X 90 M WHITE	4" X 120 M	24" X 120 M	4" WHITE PAINT	4" YELLOW	SNOWPLOWABL
					THERMO	YELLOW	WHITE THERMO		PAINT	E PAVEMENT
						THERMO				MARKERS
NO		NO			LF	LF	LF	LF	LF	EA
				STARTING @ BRIDGE # 53 NEAR						
				AYDEN GOING EAST TO						
		l	ļ.	INTERSECTION OF NC 43 AND NC						1
2CR.10741.9	Pitt	1	NC 102	102 9.8 MILES	105,448	64,680	120	105,448	64,680	634
TOTAL	FOR MAP	NO. 1	<u> </u>		105,448	64,680	120	105,448	64,680	634
TOTAL FOR	DDO I NO	2CD 4	0744.0		105,448	64,680	120	105,448	64,680	634
TOTAL FOR PROJ NO. 2CR.10741.9								170,		
CB	AND TOT	A I			105,448	64,680	120	105,448	64,680	634
GR	AND IOI	4L						170,	128	

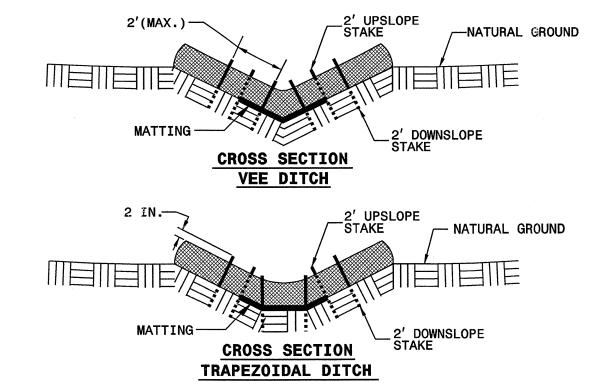
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.	EROSION	CONTROL	DETAIL	2CR.10741.9	PROJECT REFERENCE NO. SHEET NO. RW SHEET NO. ROADWAY DESIGN ENGINEER ENGINEER ENGINEER
BMP Options: Wattle or Silt Fence	/ < 5' - 10' Undisturt	bed buffer add BMP <			
	3 EOP		Pipe/Culvert		
< 5' - 10' Undisturbed buffer from jurisdictional featur	e add BMP		Undisturbed Area	< 5' - 10' Undisturbed	buffer from
Undisturbed Disturbed Area	Area		Ared	ditchline, add BMP	
	EOP		EOP		
Jurisdictional Feature	uas DUDVa 15	abautiana and fan Europh	alaasa saddan		
		shoulders and/or fronts or backslopes are distur	-	ı	
Disturbed A	rea -		Disturbed A	Area	
	EOP	8-8-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	EOP		
	< 5' – 10' Undisturb	ed buffer from inlet	t, add wattle		
EOP			EOI		
	Wattle	Drainage I	inlet		NOT TO SCALE

2CR 10741.9

PROJECT REFERENCE NO	. SHEET NO.
X-XXXX	5
RW SHEET N	O
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

WATTLE DETAIL





NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

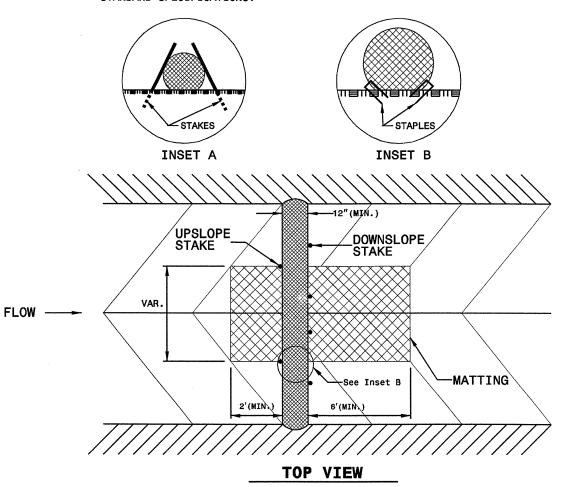
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

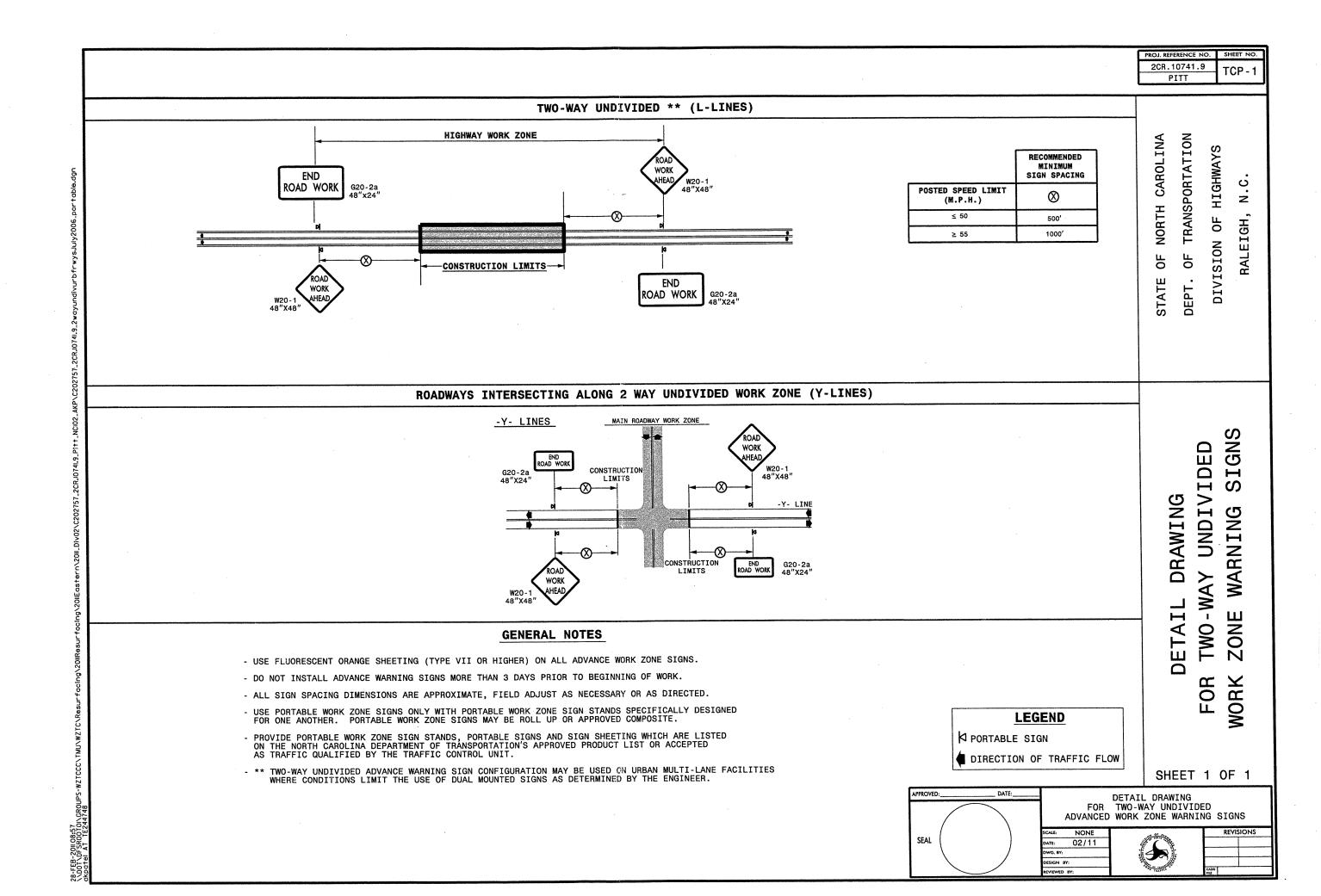
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

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.







- (1) THE FOLLOWING OPTIONS MAY BE USED FOR ADVANCE WARNING SIGNS:
 - A. TRUCK MOUNTED SIGNS
 - B. TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
 C. GROUND MOUNTED ADVANCE WARNING SIGNS

(MUST CIRCLE TO PICK UP SIGNS)

- D. GROUND MOUNTED CHANGEABLE MESSAGE SIGN (CMS)
 (MUST USE CIRCLE TO PICK UP SIGNS)
- (2) ALL ADVANCE WARNING SIGNS MUST BE 48" X 48" WITH FLUORESCENT ORANGE TYPE VII, VIII OR IX SHEETING. IF SPACE LIMITATIONS ON SHOULDER PROHIBIT A 48" X 48" SIGN, A SMALLER SIGN CAN BE USED WITH APPROVAL FROM ENGINEER.
- (3) SIGNS ON VEHICLES SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND AND SHOULD NOT BLOCK THE MOTORIST'S SIGHT OF THE FLASHING ARROW PANEL AND/OR LIGHTBAR.
- (4) GROUND MOUNTED ADVANCED WARNING SIGNS SHOULD BE MOUNTED A MINIMUM OF ONE (1) FOOT FROM THE GROUND TO BOTTOM OF SIGN.
- (5) SIGN SPACING SHOULD BE ADJUSTED FOR HORIZONTAL AND VERTICAL CURVES, ETC. TO IMPROVE SIGHT DISTANCES.
- (6) ADDITIONAL VEHICLES SHOULD BE USED IN WORK CARAVAN TO FACILITATE DRYING OF PAVEMENT MARKING MATERIAL (TMIA'S ARE OPTIONAL ON THESE ADDITIONAL VEHICLES). HOWEVER, THE FIRST VEHICLE MOTORISTS SEE IN THE TRAVEL LANE SHALL HAVE A TMIA.

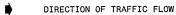
(1)(2)(3)(4)(8)

W26-1CSP

- (7) ADJUST DISTANCE AS NEEDED TO PREVENT MOTORISTS FROM ENTERING SPACE BETWEEN THE APPLICATION AND PROTECTION VEHICLE. DISTANCE CAN BE LENGTHENED TO ACCOMODATE SIGHT DISTANCE NEEDS.
- (8) ROUND UP MILEAGE TO NEXT WHOLE MILE. WORK ZONE SHOULD NOT EXCEED FIVE (5) MILES IN LENGTH.
- (9) RADIO COMMUNICATION BETWEEN VEHICLES IS REQUIRED.
- (10) USE OF A LIGHT BAR ON ALL VEHICLES IS PREFERRED, BUT A ROTATING BEACON MAY BE USED INSTEAD.
- (11) IF WORK IS PERFORMED AT NIGHT, THE WORK AREA MUST BE ILLUMINATED WITH MACHINE AND/OR TOWER LIGHTS AS APPROVED BY THE ENGINEER.
- (12) ALL TRAFFIC CONTROL DEVICES WILL BE CONSIDERED INCIDENTAL TO THE PAY ITEMS FOR PAVEMENT MARKING AND MARKERS.
- (13) INFORMATIONAL SIGNS SHOULD BE ACTIVITY SPECIFIC, i.e.
 "PAINT CREW IN ROAD". SIGNS MAY BE RECTANGULAR OR DIAMOND SHAPE.
 SIGN SIZE SHOULD BE BASED ON THE MOTORIST ABILITY TO RECOGNIZE
 SIGN WHEN TRAVELING FIVE (5) MILES ABOVE POSTED SPEED LIMIT.
- (14) IF A LEAD VEHICLE IS ADDED TO OPERATION, IT SHOULD HAVE THE SAME ADVANCE WARNING SIGNS AS THE APPLICATION VEHICLE SHOWN BELOW.

LEGEND

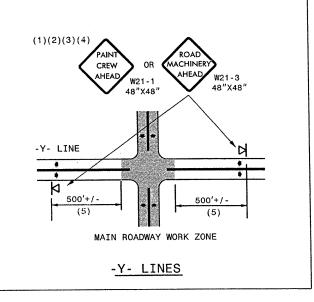
PORTABLE SIGN. SIGNS MUST BE NCHRP-350 AND NCDOT APPROVED.

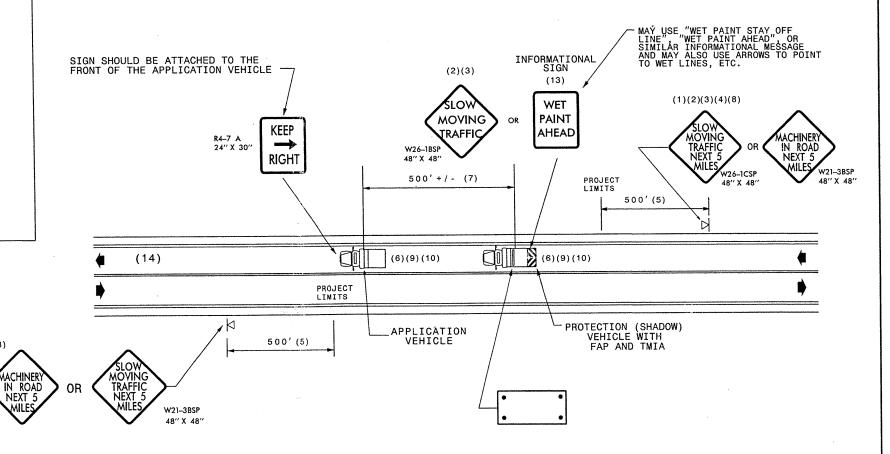


APPLICATION VEHICLE WITH LIGHT BAR

PROTECTION VEHICLE WITH TRUCK
MOUNTED IMPACT ATTENUATOR (TMIA)
AND LIGHT BAR (SEE ROADWAY
STANDARD NO. 1165.01). TMIA MUST
BE NCHRP-350 TEST LEVEL 3 (60+MPH)
APPROVED.

FLASHING ARROW PANEL,
TYPE "B" (60"X30" MIN.),
"CAUTION MODE"





MOVING OPERATION CARAVAN

(OPERATIONS TRAVELING 3 MPH OR FASTER)
PLACING PAVEMENT MARKING OR MARKERS
ON TWO-LANE TWO-WAY ROADWAYS

DRAWING NUMBER 6
IMPLEMENTATION DATE: 07/01/97

REVISED: 11/03/04