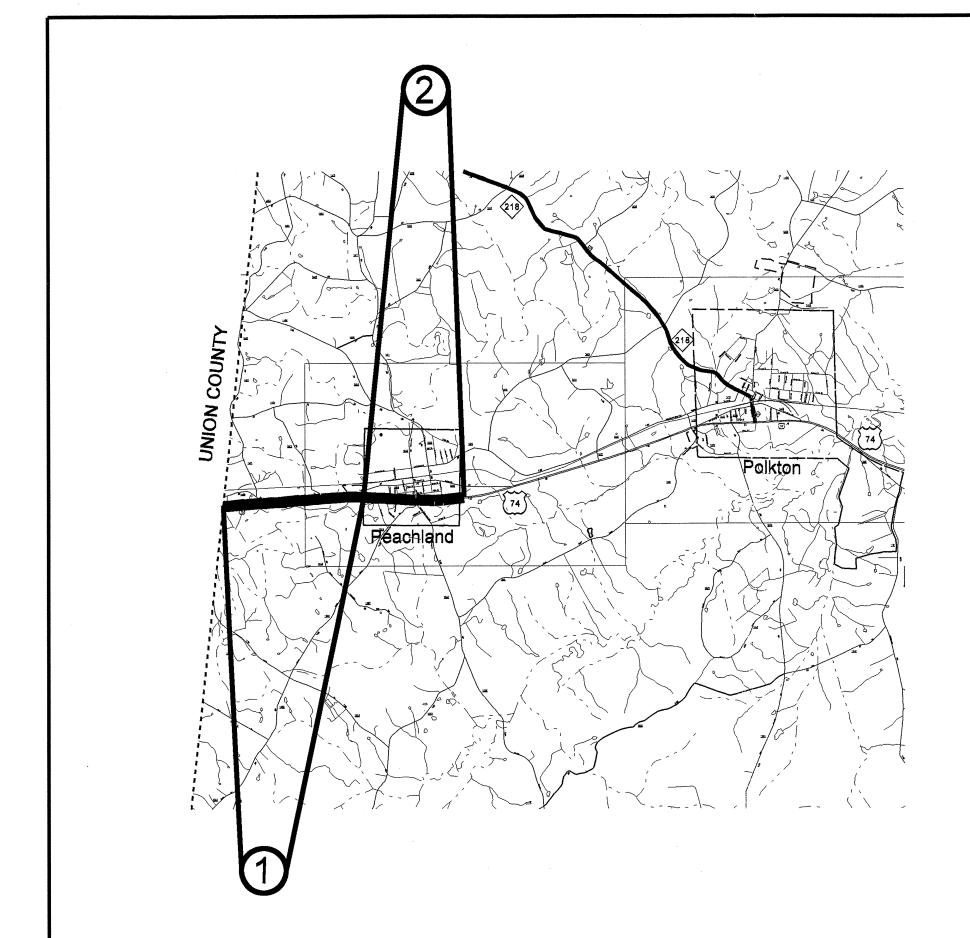
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	IOCR.10041.36- IOCR.10041.38	1	8





ENLADGED MUNICIPAL AND SUBURBAN AREAS

ANSON COUNTY

NORTH CAROLINA

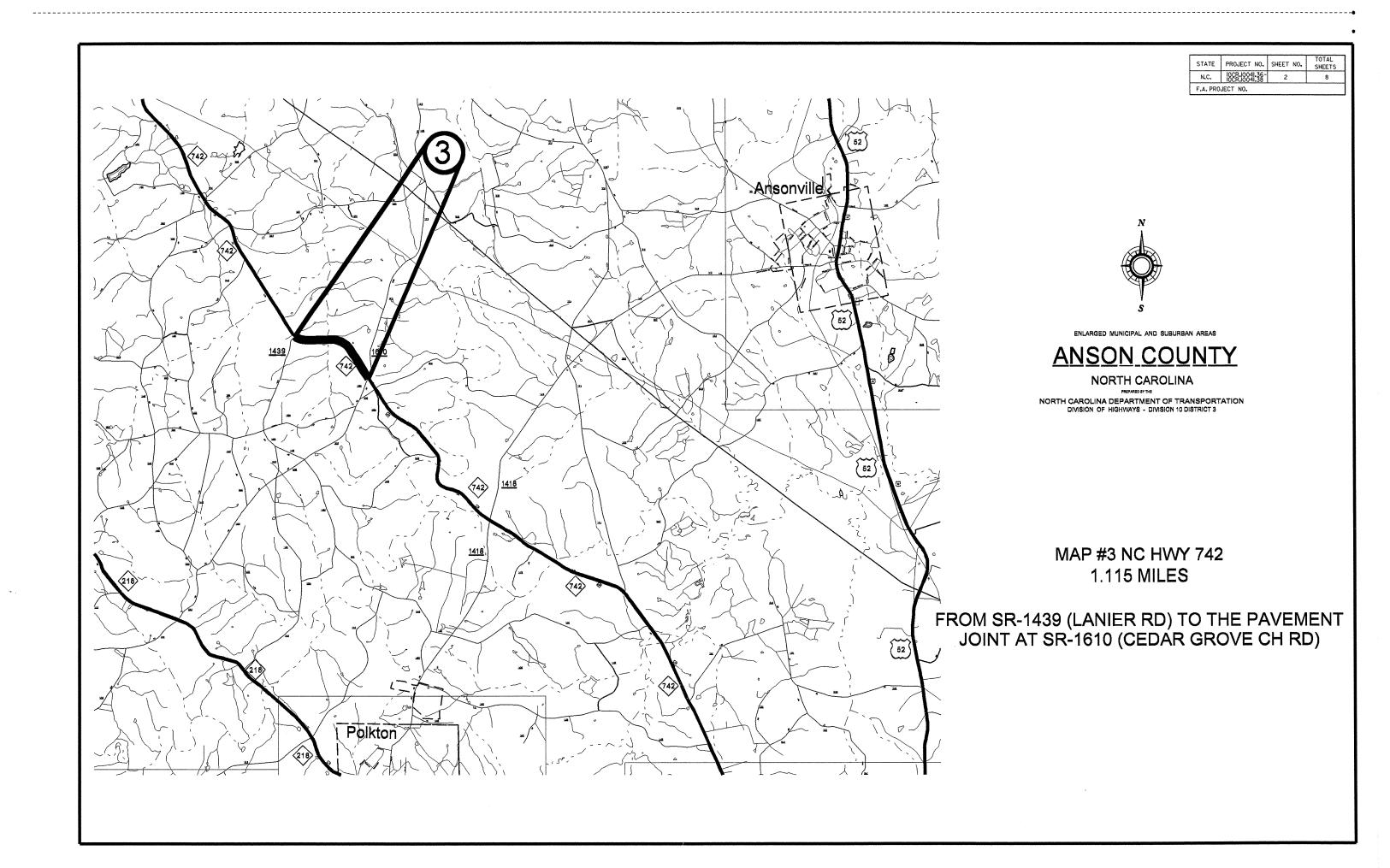
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #1 US HWY 74 EAST BOUND 1.412 MILES

FROM THE UNION COUNTY LINE TO THE WEST CITY LIMITS OF PEACHLAND.

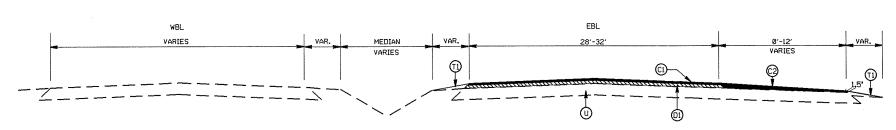
MAP #2 US HWY 74 EAST BOUND 1.26 MILES

FROM THE WEST CITY LIMITS OF PEACHLAND TO THE END OF THE GRAVEL PULL OFF AFTER THE EAST CITY LIMITS OF PEACHLAND.

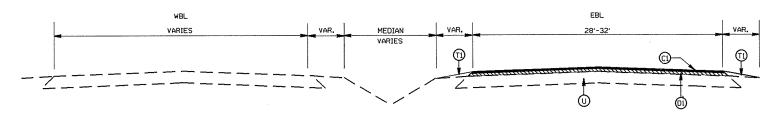




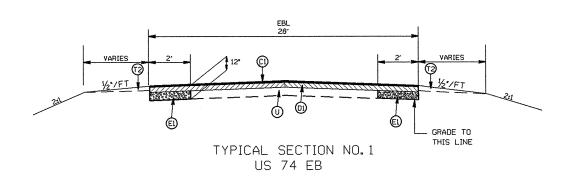
PATCHING DETAIL

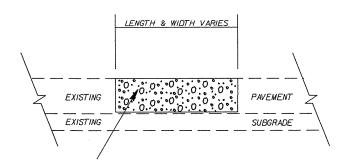


TYPICAL SECTION NO. 3
FOR RIGHT TURNLANES
US 74 EB



TYPICAL SECTION NO. 2
US 74 EB





RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER. ASPHALT TYPE IISOC SHALL BE PLACED. APPROX.THICKNESS OF PATCHING IS 6. USE ABC TO STABILIZE SUBGRADE AS DIRECTED BY THE ENGINEER.

PAVEMENT SCHEDULE

PROP. APPROX. 1.5' ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SG. YD.

PROP. VAR. DEPTH ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 112 LBS. PER SG. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2' IN DEPTH.

PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SG. YD.

PROP. APPROX. 8.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 912 LBS. PER SG. YD.

SHOULDER RECONSTRUCTION

U EXISTING PAVEMENT

NOTES: I: DO NOT RESURFACE OVER BRIDGE ON MAPS I AND 3.

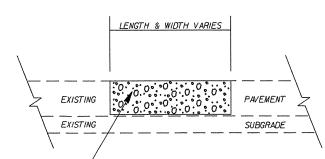
- 2: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3: ON MAP 2, MILL DOWN 1.5" 4", 400' BEFORE AND AFTER THE OVERHEAD BRIDGE DUE TO HEIGHT CLEARANCE ISSUES.
- 4: TYPICAL SECTION *I IS TO BE USED FOR THE AREA WITHOUT A

 PAVED SHOULDER ON MAP *I AND THE GRAVEL PULL OFF ON MAP *2.
- 5: THICKNESS AND WIDTH OF ABC FOR GRAVEL PULL-OFF AS DIRECTED BY THE ENGINEER.

		2012 ANSON COUNTY RESURFACING		
SCALE	-NA-	\2\12\12.".	REVIS	SIONS
DATE	9/11			
DWG. BY	JAB			
DESIGN BY	JAB			
APPROVED	JWU	70 50 50 50 CC		



PATCHING DETAIL



RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER. ASPHALT TYPE 119.0C SHALL BE PLACED. APPROX. THICKNESS OF PATCHING IS 6. USE ABC TO STABILIZE SUBGRADE AS DIRECTED BY THE ENGINEER.

PAVEMENT SCHEDULE

- PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE \$9.5C, AT AN AVERAGE RATE OF 168 LBS. PER \$0. YD.

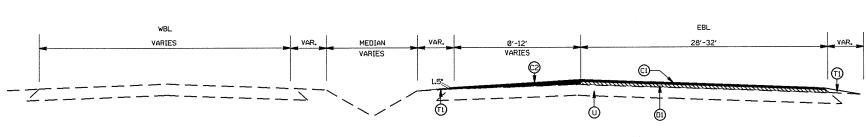
 PROP. VAR. DEPTH ASPHALT CONC. SURFACE COURSE, TYPE \$9.5C, AT AN AVERAGE RATE OF 112 LBS. PER \$0. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.

 PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE
- PROP. APPROX. 2.5 ASPHALT CUNC. INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERA
- PROP. APPROX. 8.0' ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 912 LBS. PER SQ. YD.
- (T1) SHOULDER RECONSTRUCTION
- (T2) SHOULDER CONSTRUCTION
- (U) EXISTING PAVEMENT

NOTES: 1: DO NOT RESURFACE OVER BRIDGE ON MAPS I AND 3.

- 2: LEVELING COURSE TO BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3: ON MAP 2, MILL DOWN 1.5" 4", 400' BEFORE AND AFTER THE OVERHEAD BRIDGE DUE TO HEIGHT CLEARANCE ISSUES.
- 4: TYPICAL SECTION *I IS TO BE USED FOR THE AREA WITHOUT A

 PAVED SHOULDER ON MAP *I AND THE GRAVEL PULL OFF ON MAP *2.
- 5: THICKNESS AND WIDTH OF ABC FOR GRAVEL PULL-OFF AS DIRECTED BY THE ENGINEER.



3'-5'

VARIES

TYPICAL SECTION NO. 4
FOR LEFT TURNLANES
US 74 EB

TYPICAL SECTION NO. 5

NC HWY 742

3'-5'

VARIES

2012 ANSON COUNTY RESURFACING

CALE	-NA-	
ATE	9/11	
WG. BY	JAB	
ESIGN BY	JA8	
APPROVED	JWU	



PROJECT NO.	SHEET NO.	TOTAL NO.
10CR.10041.37, 10CR.10041.38	5	8
10CR.10041.36,		

SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	FINAL	LENGTH	WIDTH	UNDERCUT	BORROW	AGGREGATE	INCIDENTAL	SHOULDER	SHOULDER	1.5" TO 4"	INCIDENTAL	BASE	INTERMED.
						SURFACE			EXCAVATION		BASE COURSE	STONE BASE	CON-	RECON-	MILLING	MILLING	COURSE,	COURSE,
						TESTING							STRUCTION	STRUCTION			B25.0C	119.0C
						REQUIRED												
NO		NO			NO		MI	FT	CY	CY	TONS	TONS	SMI	SMI	SY	SY	TONS	TONS
				FROM THE UNION COUNTY LINE TO														
				THE WEST CITY LIMITS OF														
10CR.10041.37	Anson	1	US 74 EAST BOUND	PEACHLAND.	1,2,3,4	NO	1.412	24	500	190	110		2.06	0.80		75	1,650	3,900
				FROM THE WEST CITY LIMITS OF														
				PEACHLAND TO THE END OF THE														
				GRAVEL PULL OFF AFTER THE EAST														1
10CR.10041.38	Anson	2	US 74 EAST BOUND	CITY LIMITS OF PEACHLAND.	1,2,3,4	NO	1.26	32		500	77		0.24	2.50	3,000		375	3,650
				FROM SR-1439 (LANIER RD) TO THE														
				PAVEMENT JOINT AT SR-1610														
10CR.10041.36	Anson	3	NC HWY 742	(CEDAR GROVE CHURCH RD)	5	NO	1.115	24		110	30	40		2.20		40		
	GRANI	D TOTA	\L				3.787		500	800	217	40	2.30	5.50	3,000	115	2,025	7,550

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	SURFACE	LEVELING	ASPHALT	PATCHING	6"	ADJ. OF	ADJ. OF	TEMPORARY	STONE FOR	SEDIMENT	WATTLE	POLY-	SEED &
						COURSE,	COURSE,	BINDER FOR	EXISTING	DRIVEWAYS	MANHOLES	METER OR	SILT FENCE	EROSION	CONTROL		ACRYLAMIDE	MULCHING
						S9.5C	S9.5C	PLANT MIX	PAVEMENT			VALVE BOX		CONTROL,	STONE		(PAM)	
										,				CLASS B				
NO		NO			NO	TONS	TONS	TON	TONS	SY	EA	EA	LF	TN	TN	LF	LB	AC
				FROM THE UNION COUNTY LINE TO														
				THE WEST CITY LIMITS OF														
10CR.10041.37	Anson	1	US 74 EAST BOUND	PEACHLAND.	1,2,3,4	2,750		425	215	20	1	1	100	28	14	160	0.40	1.70
				FROM THE WEST CITY LIMITS OF														
				PEACHLAND TO THE END OF THE														
				GRAVEL PULL OFF AFTER THE EAST														
10CR.10041.38	Anson	2	US 74 EAST BOUND	CITY LIMITS OF PEACHLAND.	1,2,3,4	2,400		335	200		1	1	50	22	11	60	0.20	0.09
				FROM SR-1439 (LANIER RD) TO THE														
				PAVEMENT JOINT AT SR-1610														
10CR.10041.36	Anson	3	NC HWY 742	(CEDAR GROVE CHURCH RD)	5	1,500	180	100	550				60	24	12	100	0.25	
	GRANI	D TOT	AL .			6,650	180	860	965	20	2	2	210	74	37	320	0.85	1.79

THERMOPLASTIC AND PAINT QUANTITIES

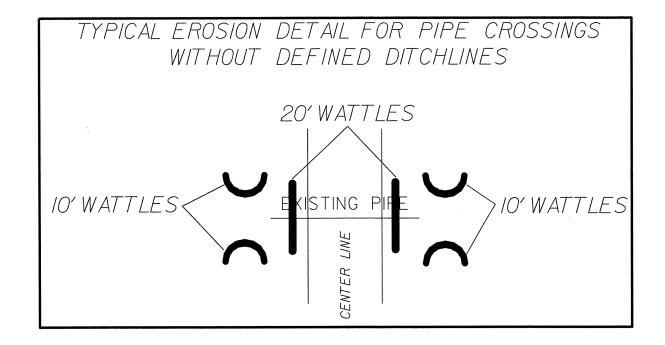
							4589000000-N	468500	0000-E	468600	00000-E	472500	0000-E	481000	0000-E	490000	0000-N
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	LENGTH	WIDTH	TRAFFIC	4" X 90 M	4" X 90 M	4" X 120 M	4" X 120 M	THERMO	THERMO	4" WHITE	4" YELLOW	CRYSTAL	YELLOW
					ŀ		CONTROL	WHITE	YELLOW	WHITE	YELLOW	LT	RT	PAINT	PAINT	&	&
								THERMO	THERMO	THERMO	THERMO	ARROW 90 M	ARROW			RED	YELLOW
													90 M			MARKERS	MARKERS
NO		NO					LS	LF	LF	LF	LF	EA	EA	LF	LF	EA	EA
				FROM THE UNION COUNTY LINE TO													
				THE WEST CITY LIMITS OF													
10CR.10041.37	Anson	1	US 74 EAST BOUND	PEACHLAND.	1.412	24	0.5	7,500	7,500	3,100		4		11,700	20,500	159	
							0.5	15,	000	3,1	100	4	ļ	32,	200	15	59
				FROM THE WEST CITY LIMITS OF													
				PEACHLAND TO THE END OF THE	I												
				GRAVEL PULL OFF AFTER THE EAST													
10CR.10041.38	Anson	2	US 74 EAST BOUND	CITY LIMITS OF PEACHLAND.	1.26	32	0.5	6,750	6,750	3,200		2	3	6,750	14,750	170	
							0.5	13,	500	3,2	200	5	5	21,	500	17	70
				FROM SR-1439 (LANIER RD) TO THE													
				PAVEMENT JOINT AT SR-1610													
10CR.10041.36	Anson	3	NC HWY 742	(CEDAR GROVE CHURCH RD)	1.115	24		11,774			9,224						94
								11,	774	9,2	224					9	4
	GRAN	D TOTA	NI.		3.787		1	54,524	14,250	12,600	9,224	15	3	72,150	35,250	658	94
	GRAN	ווטו ט	4L					40,	274	15,	524	g)	53,	700	42	23

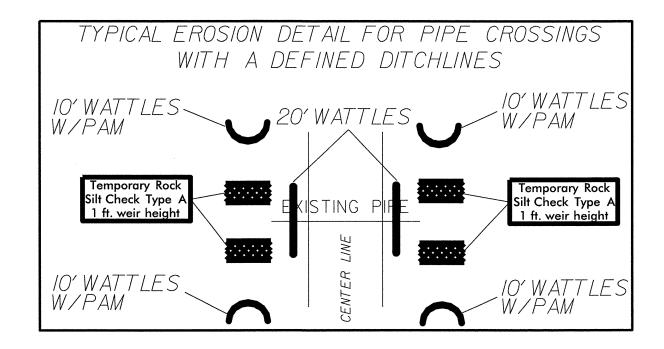
STATE PROJECT NO. SHEET NO. SHEETS

N.C. EC-1 8

F.A. PROJECT NO.

GENERAL EROSION DETAILS





NOTES: FIELD MODIFICATIONS MAY BE NECESSARY AS DIRECTED BY THE ENGINEER.

WATTLE LENGTHS MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.

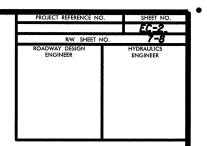
EROSION CONTROL MATTING SHALL BE USED IN THE CONSTRUCTION OF DITCHLINE WATTLES. SEE SHEET EC-2

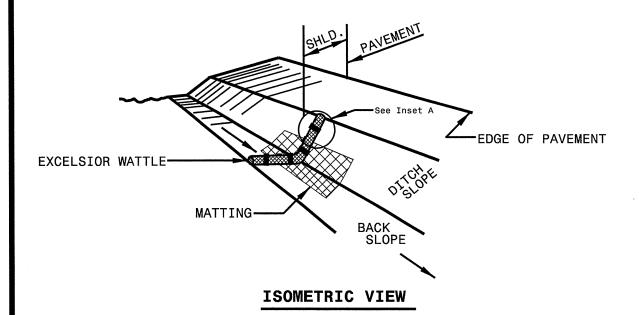
POLYACRYLAMIDE (PAM) SHOULD NOT BE USED ON WATTLES THAT WILL OUTLET DIRECTLY TO JURISDICTIONAL STREAMS.

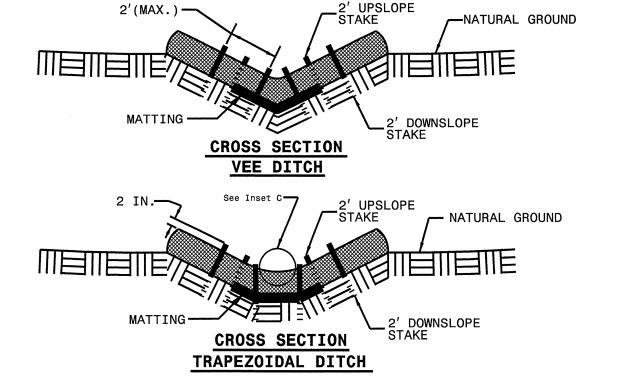
GENERAL EROSION DETAILS

SCALE -NADATE 12/10
DWG, BY JAB
DESIGN BY JAB
APPROVED MU

WATTLE WITH POLYACRYLAMIDE DETAIL







NOTES

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

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

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

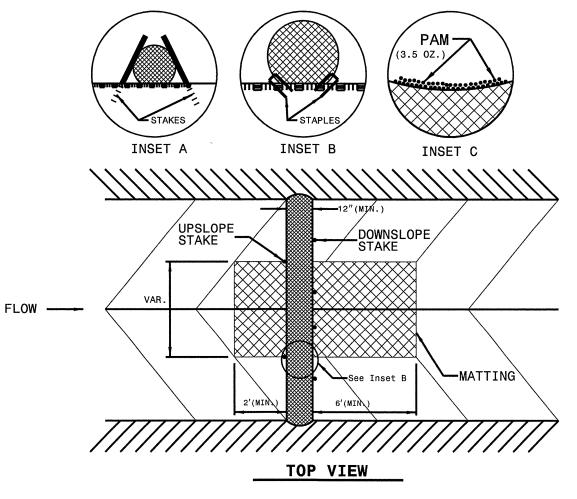
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

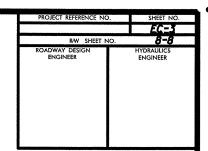
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

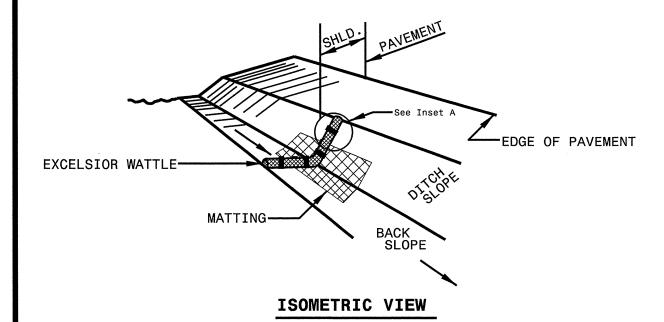
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

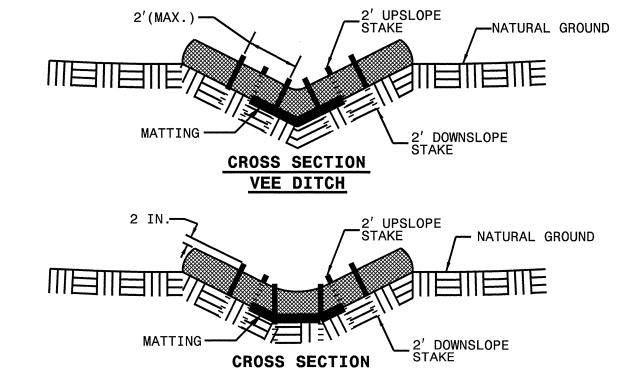
INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



WATTLE DETAIL







TRAPEZOIDAL DITCH

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

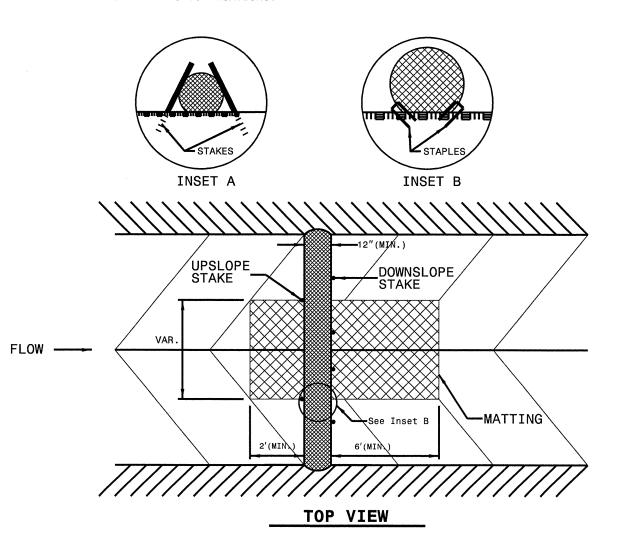
USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.

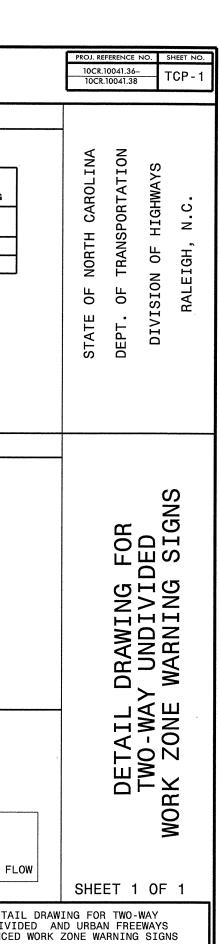
INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

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

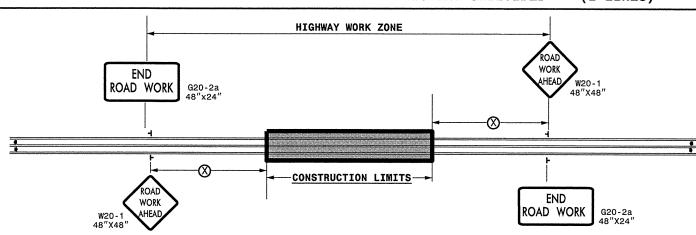
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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



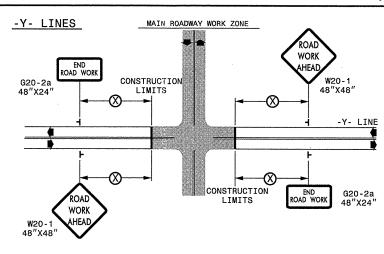


TWO-WAY UNDIVIDED ** (L-LINES)



RECOMMENDED MINIMUM SIGN SPACING POSTED SPEED LIMIT \otimes (M.P.H.) ≤ 50 500' ≥ 55 1000'

ROADWAYS INTERSECTING ALONG 2 WAY UNDIVIDED WORK ZONE (Y-LINES)

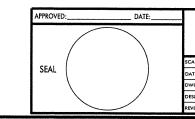


GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS. THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.
- ** TWO-WAY UNDIVIDED ADVANCE WARNING SIGN CONFIGURATION MAY BE USED ON URBAN MULTI-LANE FACILITIES WHERE CONDITIONS LIMIT THE USE OF DUAL MOUNTED SIGNS AS DETERMINED BY THE ENGINEER.

LEGEND - STATIONARY SIGN

■ DIRECTION OF TRAFFIC FLOW



DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS

NONE	, o'Heli
	7
	• # _
BY:	
BY:	176 to

7-98 10/01 10-98 03/04 01/01 11/04

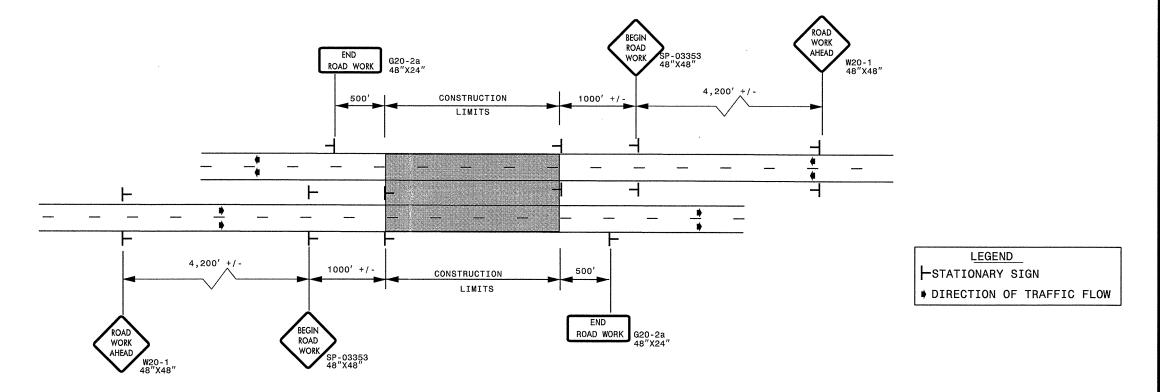
ADVANCED WORK ZONE WARNING SIGNING FOR FREEWAYS (4 LANES OR GREATER)

PROJ. REFERENCE NO. SHEET NO.

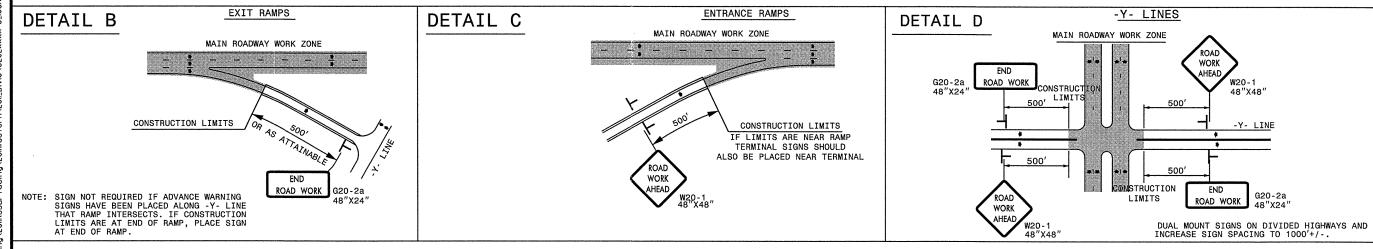
10CR.10041.3610CR 10041.38

TCP - 2

DETAIL A



* USE THE "\$250 SPEEDING PENALTY" SIGN, SPEED LIMIT SIGN, AND ORANGE PANEL; ONLY WHEN A "\$250 SPEEDING PENALTY" ORDINANCE HAS BEEN ISSUED BY THE REGIONAL TRAFFIC ENGINEER.



GENERAL NOTES

- USE FLUORESCENT ORANGE SHEETING (TYPE VII OR HIGHER) ON ALL ADVANCED WORK ZONE SIGNS.
- DO NOT INSTALL ADVANCE WARNING SIGNS MORE THAN 3 DAYS PRIOR TO BEGINNING OF WORK.
- SIGNS SHOWN ARE REQUIRED FOR WORK ZONES THAT WILL REMAIN IN EFFECT OVERNIGHT. FOR SHORT-TERM DAILY MAINTENANCE TYPE OPERATIONS, THIS SIGNING APPLICATION IS OPTIONAL; MAY USE ONLY APPLICABLE ROADWAY STANDARD DRAWINGS INSTEAD. HOWEVER, IF THIS SIGNING APPLICATION IS USED, SIGNS MAY BE PORTABLE MOUNTED.
- ALL SIGN SPACING DIMENSIONS ARE APPROXIMATE, FIELD ADJUST AS NECESSARY OR AS DIRECTED.
- USE 3LB STEEL U-CHANNEL POST OR 4" X 4" WOOD POST FOR ALL WORK ZONE SIGNS. 3LB STEEL U-CHANNEL POSTS MUST MEET THE REQUIREMENTS OF STANDARD SPECIFICATION SECTION 1094-1(B), MAY BE GALVANIZED STEEL, OR MAY BE PAINTED GREEN BY THE POST MANUFACTURER. SQUARE STEEL TUBING POSTS HAVING EQUIVALENT STRENGTH OF THE 3 LB STEEL U-CHANNEL POST ARE ALSO ACCEPTABLE FOR USE. ERECT SIGNS PER ROADWAY STANDARD DRAWING 1110.01. PAYMENT FOR WOOD POSTS, 3LB STEEL U-CHANNEL AND SQUARE STEEL TUBING POSTS WITH SIGNS WILL BE MADE ACCORDING TO STANDARD SPECIFICATION "WORK ZONE SIGNS" SECTION 1110.
- WHEN NECESSARY, USE SPLICING IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1110.01. REMOVE ENTIRE POST WHEN REMOVING SIGNS WITH SPLICED POSTS.
- DO NOT BACK BRACE SIGN SUPPORTS.

