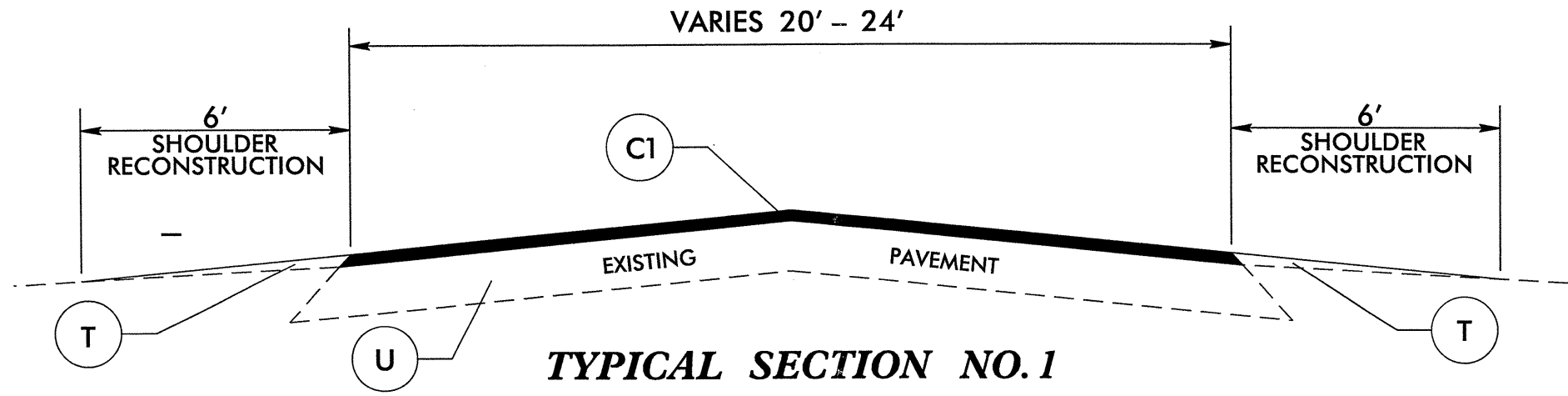
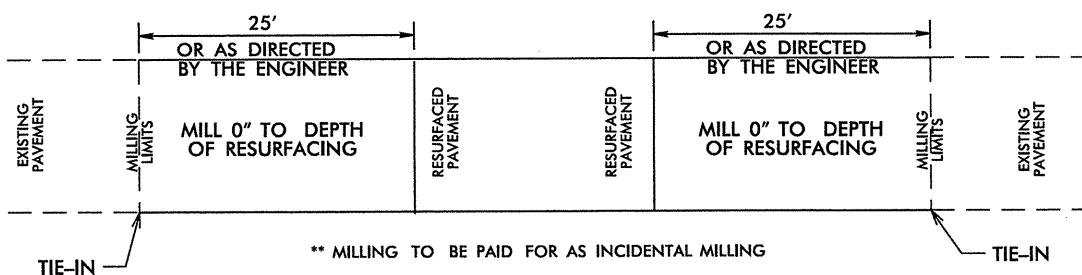


# SCOTLAND COUNTY

# SCOTLAND COUNTY TYPICAL SECTIONS



**TYPICAL SECTION NO. 1**



**PAVEMENT TIE-IN DETAIL**

## PAVEMENT SCHEDULE

<b>C1</b>	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
<b>T</b>	EARTH MATERIAL.
<b>U</b>	EXISTING PAVEMENT.

PROJECT NO.	SHEET NO.	TOTAL NO.
8CR.20831.17	3	

## SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	FINAL SURFACE TESTING REQUIRED	LENGTH	WIDTH	BORROW	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	INCIDENTAL MILLING	SURFACE COURSE, SF9.5A	PG 64-22 PLANT MIX	TEMPORARY SILT FENCE	EROSION CONTROL STONE, CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	MATTING (EROSION CONTROL)	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING
							MI	FT	CY	TONS	SMI	SY	TON	TONS	LF	TON	TON	ACR	SY	LF	LF	AC	LB	TON
8CR.20831.17	Scotland	1	SR 1425	FROM US 401 BUS TO SR 1323	1	NO	1.48	24	120	250	2.96	450	1,850	120	148	37	37	1.48	20	74.00	30	1.80	74	0.50
<b>TOTAL FOR MAP NO. 1</b>							1.48		120	250	2.96	450	1,850	120	148	37	37	1.48	20	74.00	30	1.80	74	0.50
		2	SR 1407	FROM SR 1434 TO ROBESON	1	NO	3.49	22	280	250	6.98	350	3,975	258	349	87	87	3.49	30	175.00	60	4.23	175	1.00
<b>TOTAL FOR MAP NO. 2</b>							3.49		280	250	6.98	350	3,975	258	349	87	87	3.49	30	175.00	60	4.23	175	1.00
		3	SR 1400	FROM SR 1403 TO SR 1332	1	NO	2.88	20	230	250	5.76	450	2,980	194	288	72	72	2.88	20	144.00	50	3.50	144	0.75
<b>TOTAL FOR MAP NO. 3</b>							2.88		230	250	5.76	450	2,980	194	288	72	72	2.88	20	144.00	50	3.50	144	0.75
<b>TOTAL FOR PROJ NO. 8CR.20831.17</b>							7.85		630	750	15.70	1,250	8,805	572	785	196	196	7.85	70	393.00	140	9.53	393	2.25
<b>GRAND TOTAL</b>							7.85		630	750	15.70	1,250	8,805	572	785	196	196	7.85	70	393.00	140	9.53	393	2.25

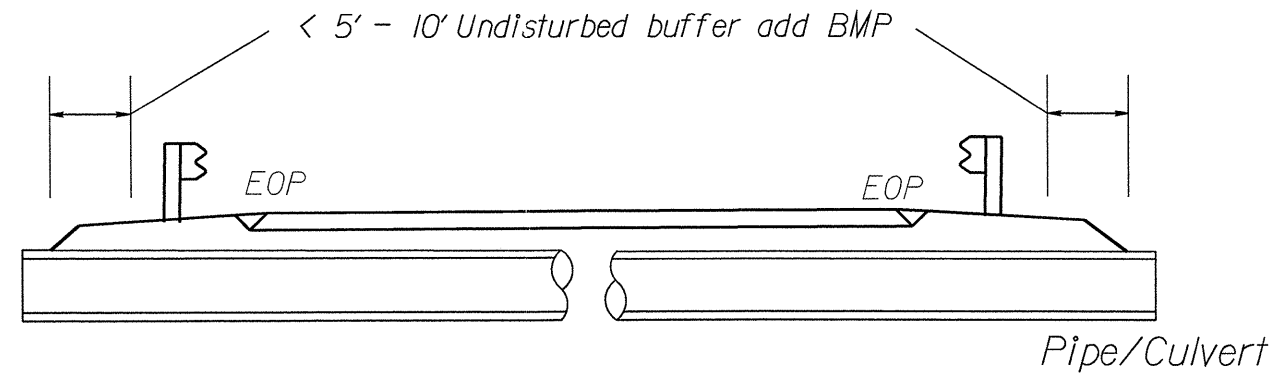
## THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	4810000000-E		4900000000-N	4589000000-N
					4" WHITE PAINT	4" YELLOW PAINT	YELLOW & YELLOW MARKERS EA	TRAFFIC CONTROL
					LF	LF		Lump Sum
8CR.20831.17	Scotland	1	SR 1425	FROM US 401 BUS TO SR 1323	31,257	31,243		LS
<b>TOTAL FOR MAP NO. 1</b>					31,257	31,243		
		2	SR 1407	FROM SR 1434 TO ROBESON	73,710	51,290	230	LS
<b>TOTAL FOR MAP NO. 2</b>					73,710	51,290	230	
		3	SR 1400	FROM SR 1403 TO SR 1332	60,825	36,475		LS
<b>TOTAL FOR MAP NO. 3</b>					60,825	36,475		
<b>TOTAL FOR PROJ NO. 8CR.20831.17</b>					165,792	119,008	230	LS
<b>GRAND TOTAL</b>					165,792	119,008	230	LS

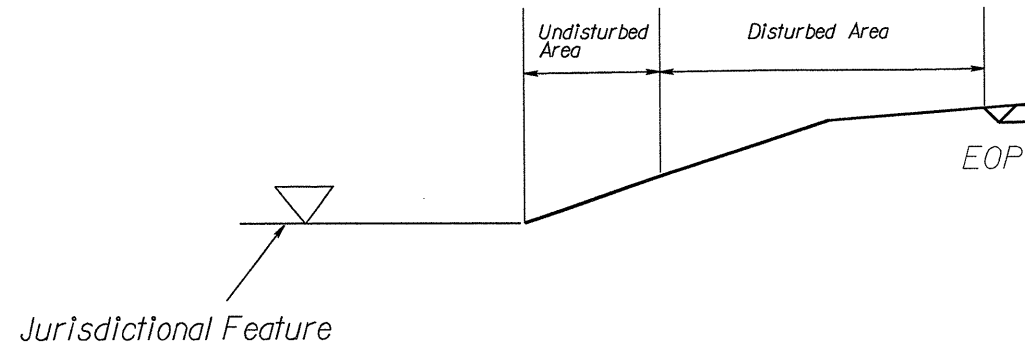
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

# EROSION CONTROL DETAIL

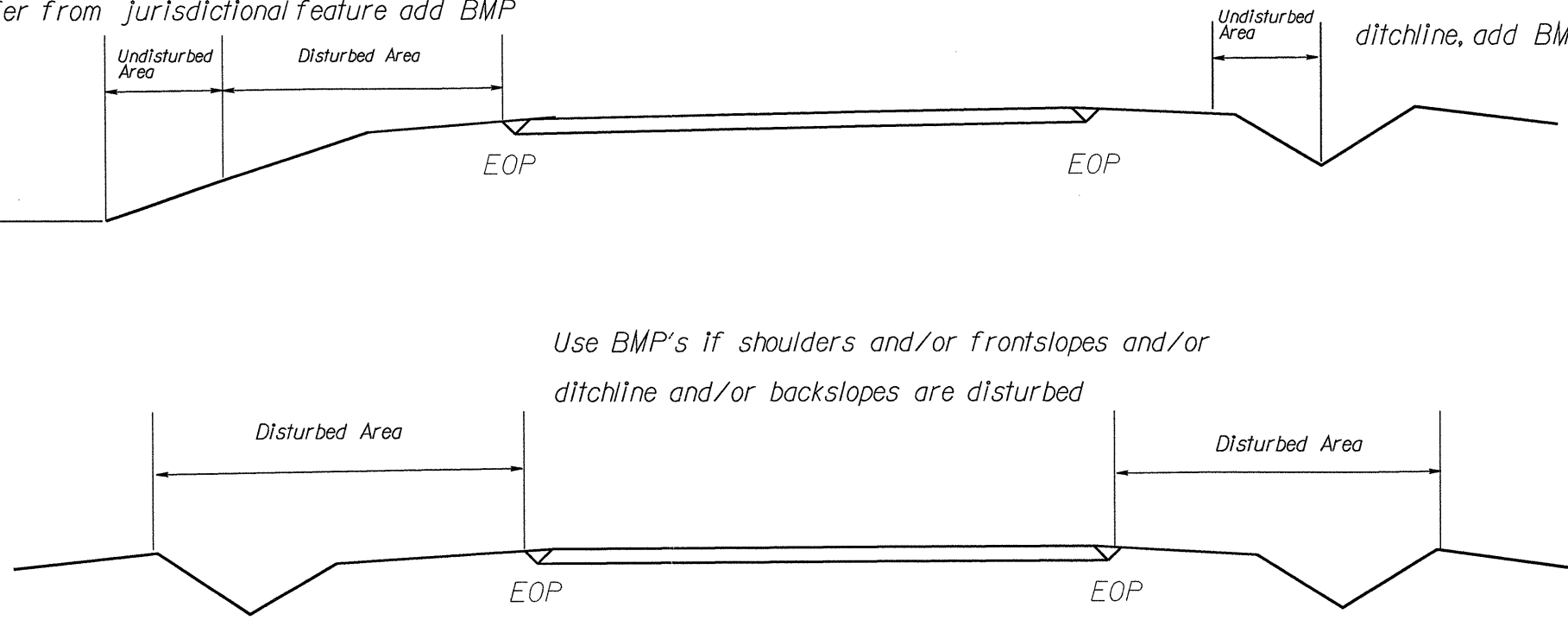


< 5' - 10' Undisturbed buffer from jurisdictional feature add BMP

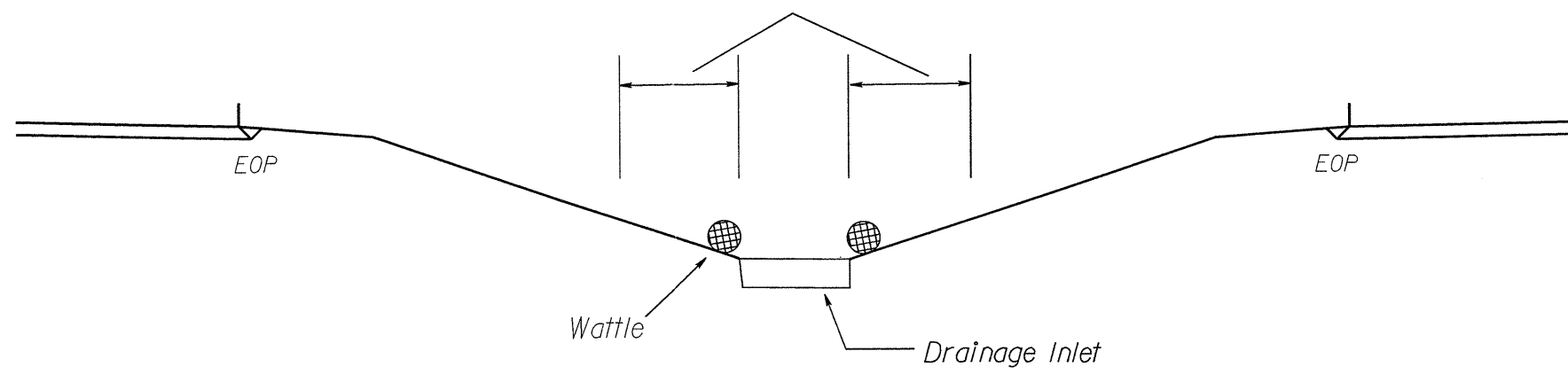


< 5' - 10' Undisturbed buffer from ditchline, add BMP

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

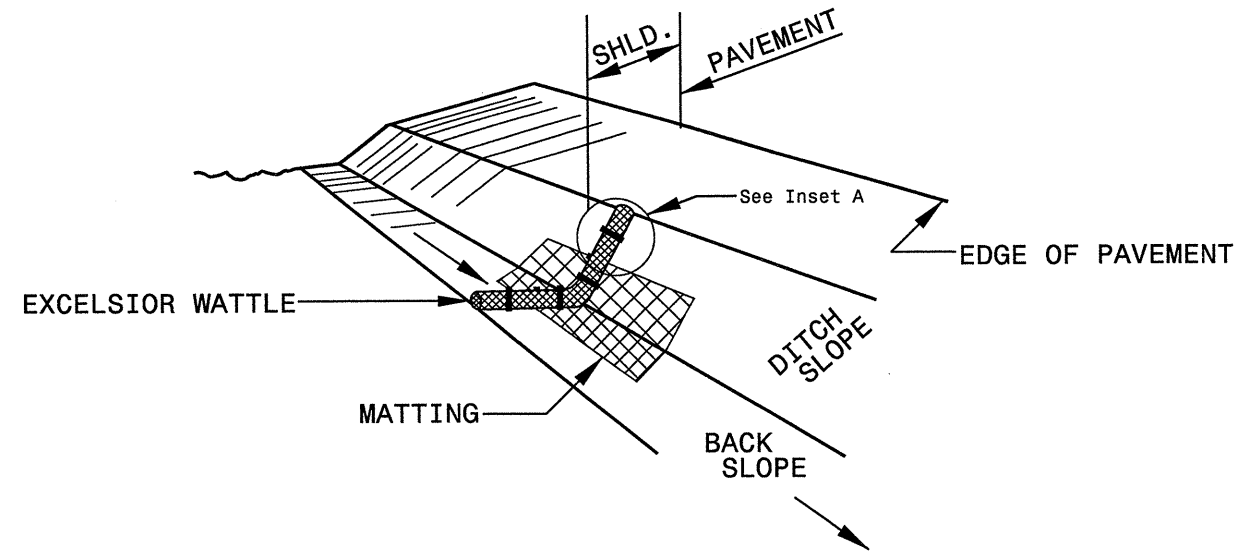


< 5' - 10' Undisturbed buffer from inlet, add wattle

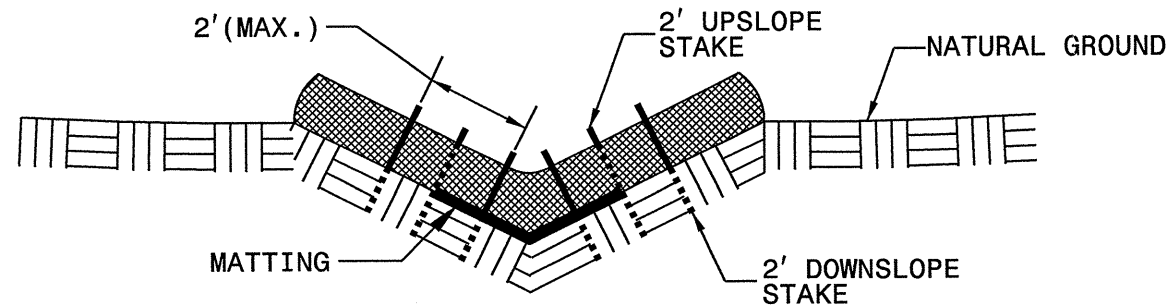


NOT TO SCALE

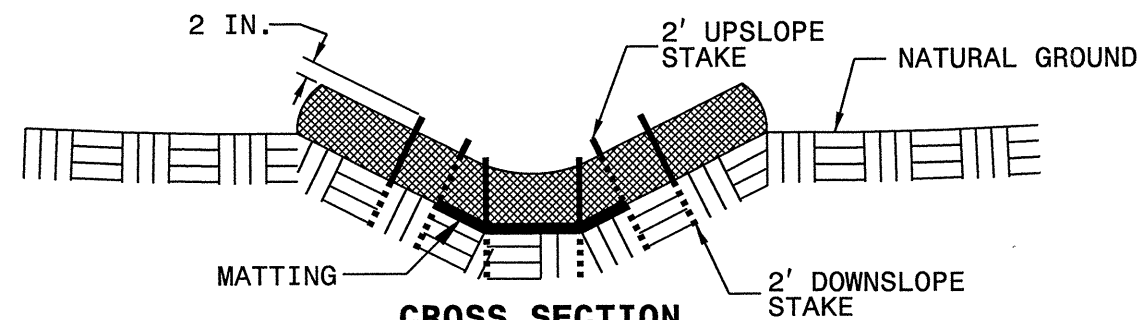
# WATTLE DETAIL



**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.

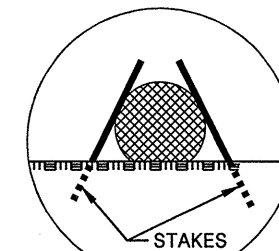
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

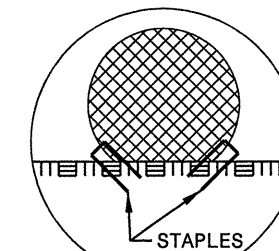
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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

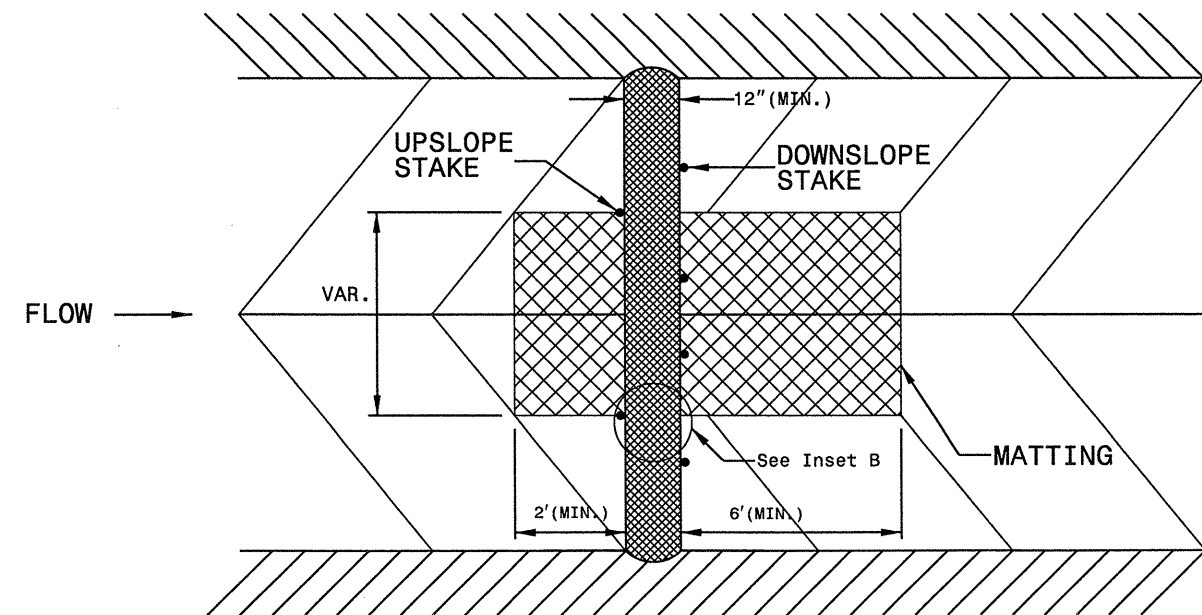
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



**INSET A**

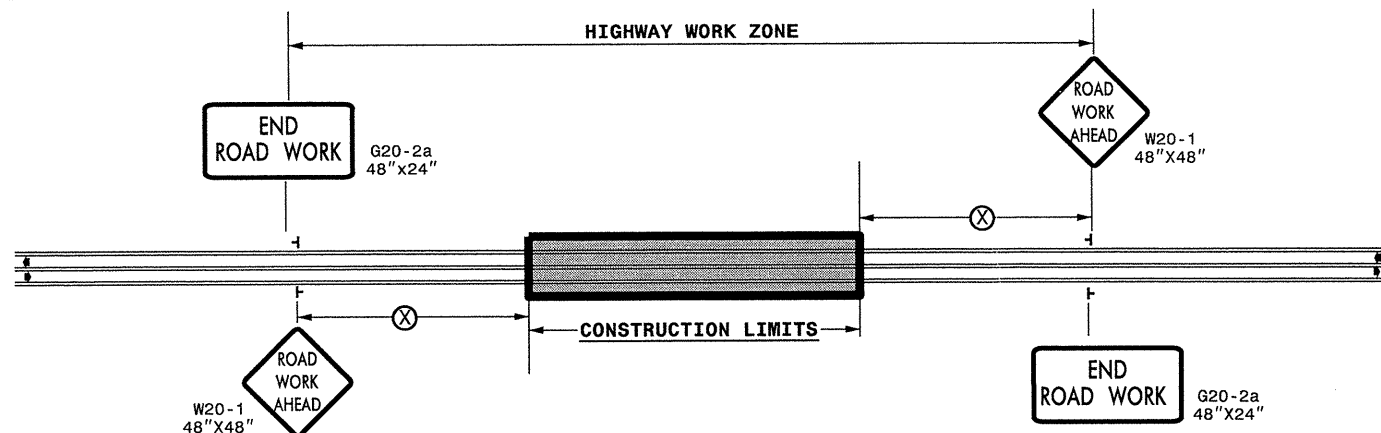


**INSET B**



**TOP VIEW**

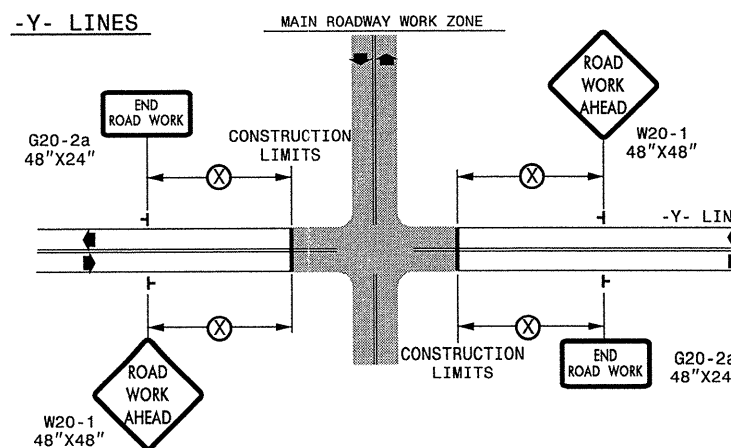
**TWO-WAY UNDIVIDED \*\* (L-LINES)**



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

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

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



DETAIL DRAWING FOR  
TWO-WAY UNDIVIDED  
WORK ZONE WARNING SIGNS

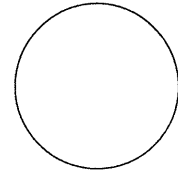
**GENERAL NOTES**

- 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.
- \*\* 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

SHEET 1 OF 1

APPROVED: _____ DATE: _____	DETAIL DRAWING FOR TWO-WAY UNDIVIDED AND URBAN FREEWAYS ADVANCED WORK ZONE WARNING SIGNS	
SEAL 	SCALE: NONE	REVISIONS
	DATE: _____	7-98 10/01
	DWG. BY: _____	10-98 03/04
	DESIGN BY: _____	01/01 11/04
REVIEWED BY: _____	CARD FILE	

3-MAY-2010 10:27  
 \\DOT\DESIGN\GROUPS-WZ\TCC\TMU\WZTC\Resur-facing\2010\Central\2010\Div08\New Folder\C202797RW\_8CR.20831.17\_Scotland\_US15\_501\_jw\lxl7-c202797RW\_8CR.20831.17\_2way\_undiv.&\_urban\_frways\_stationary.dgn  
 jw/tes AT