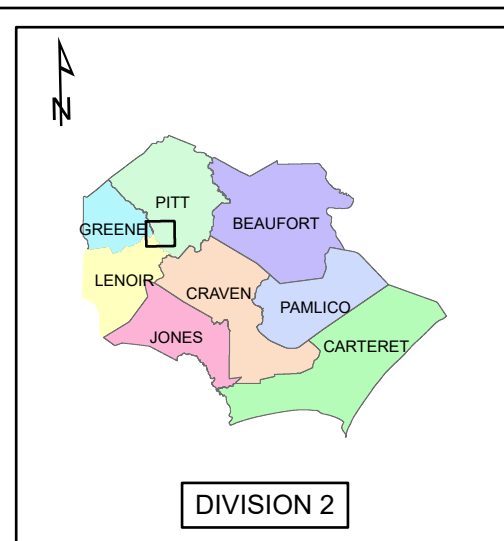


PROJECT REFERENCE NO.	SHEET NO.
DB00633	1



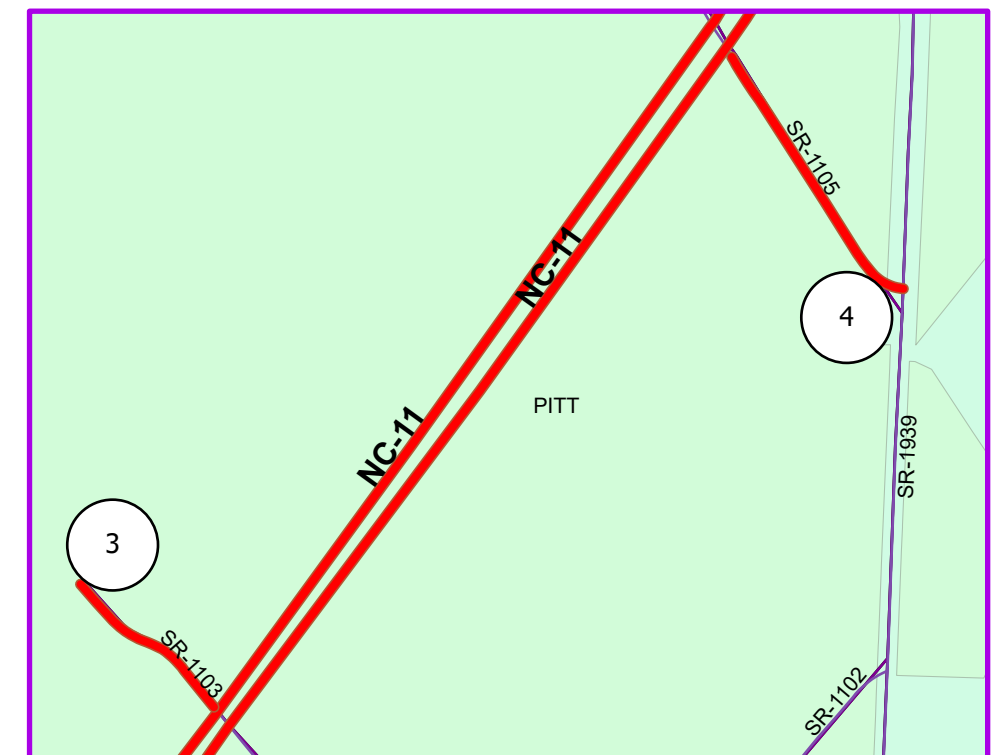
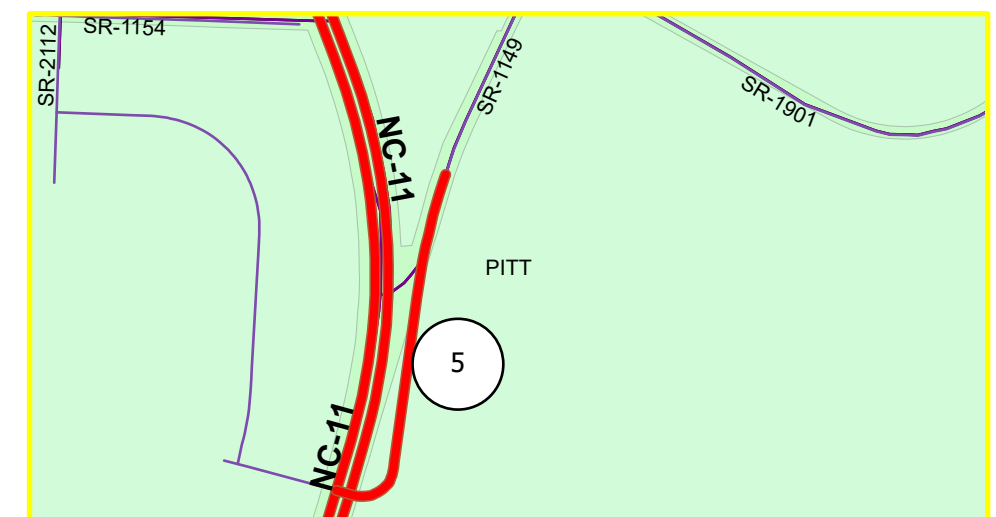
PITT COUNTY
DB00633

WBS# 2027CPT.02.03.10741
2027CPT.02.15.20741

TYPE OF WORK : MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION

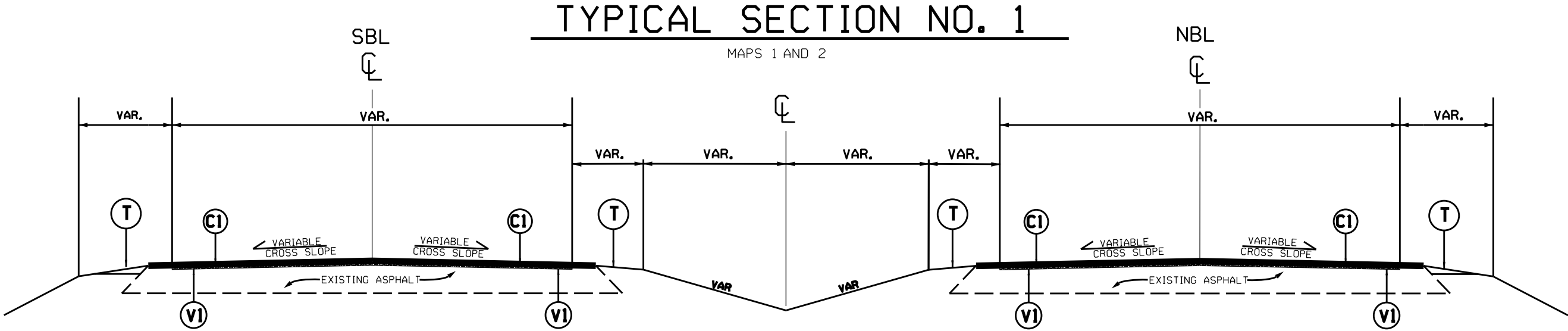


NCDOT
DIVISION 2



PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE,TYPE S9.5D AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE,TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
V1	MILLING DEPTH 1.5" FOR ENTIRE WIDTH OF THE ROADWAY.
V2	INCIDENTAL MILLING.
DRAWINGS NOT TO SCALE	

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

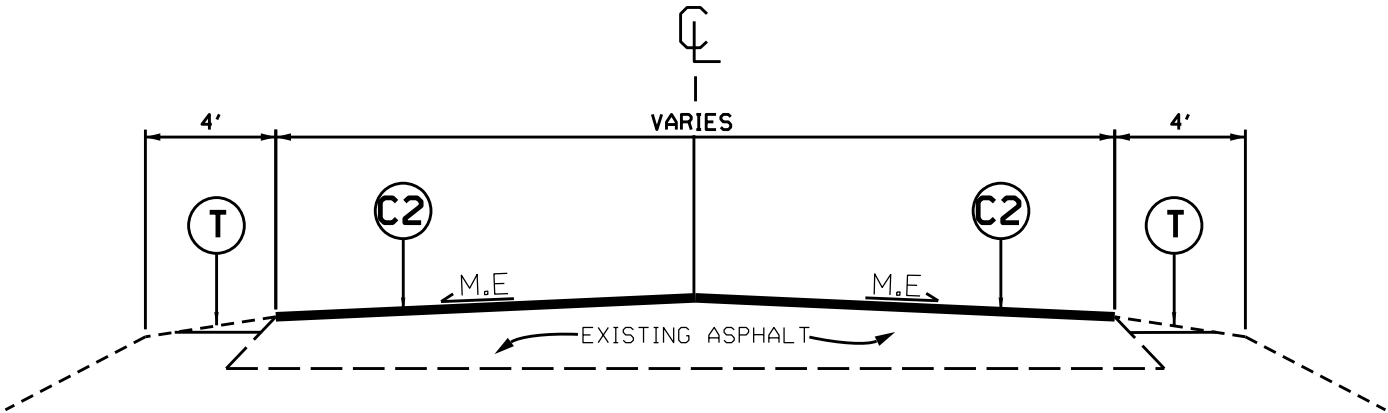


NOTE:

- MILL FULL WIDTH OF THE ENTIRE ROADWAY TO A DEPTH OF 1.5 INCHES, MILLING TO INCLUDE BOTH NCDOT AND CITY SIDE STREETS TO THE BACK OF THE RADIUS.
- PLACE ASPHALT SURFACE COURSE S9.5D AT FULL WIDTH OF THE EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
- INCLUDES INCIDENTAL MILLING AT THE ENDS OF THE MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
- PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.

TYPICAL SECTION NO. 2

MAPS 3 AND 4

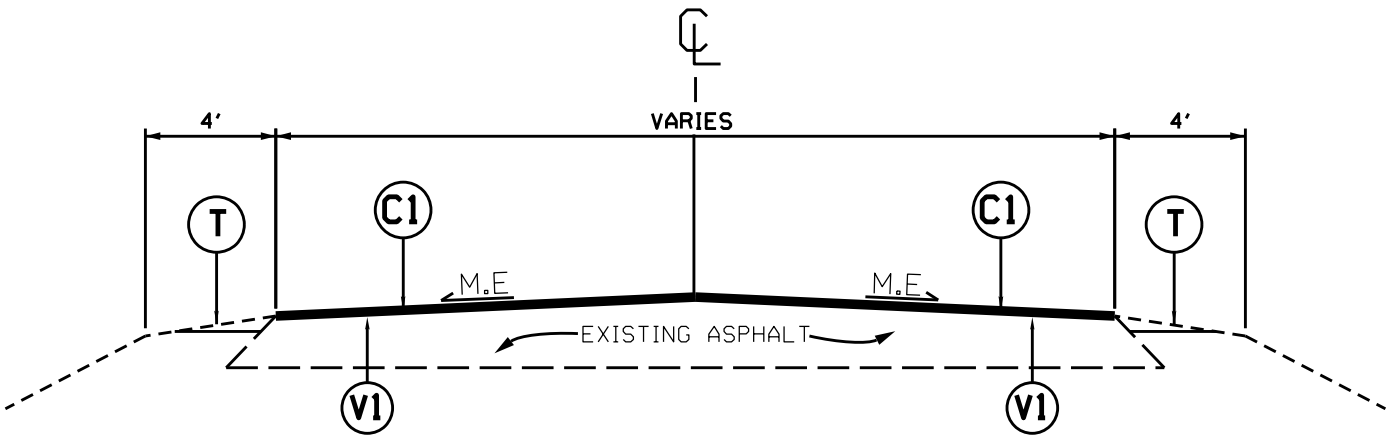


NOTE:

- PLACE ASPHALT SURFACE COURSE S9.5B AT FULL WIDTH OF THE EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
- INCLUDES INCIDENTAL MILLING AT THE ENDS OF THE MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
- PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.

TYPICAL SECTION NO. 3

MAP 5



NOTE:

- MILL FULL WIDTH OF THE ENTIRE ROADWAY TO A DEPTH OF 1.5 INCHES, MILLING TO INCLUDE BOTH NCDOT AND CITY SIDE STREETS TO THE BACK OF THE RADIUS.
- PLACE ASPHALT SURFACE COURSE S9.5D AT FULL WIDTH OF THE EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
- INCLUDES INCIDENTAL MILLING AT THE ENDS OF THE MAIN LINE AND Y-LINE SECTIONS, AS DIRECTED BY THE ENGINEER.
- PERFORM SHOULDER RECONSTRUCTION AFTER PAVING IS COMPLETED.

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE,TYPE S9.5D AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE,TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
V1	MILLING DEPTH 1.5" FOR ENTIRE WIDTH OF THE ROADWAY.
V2	INCIDENTAL MILLING.

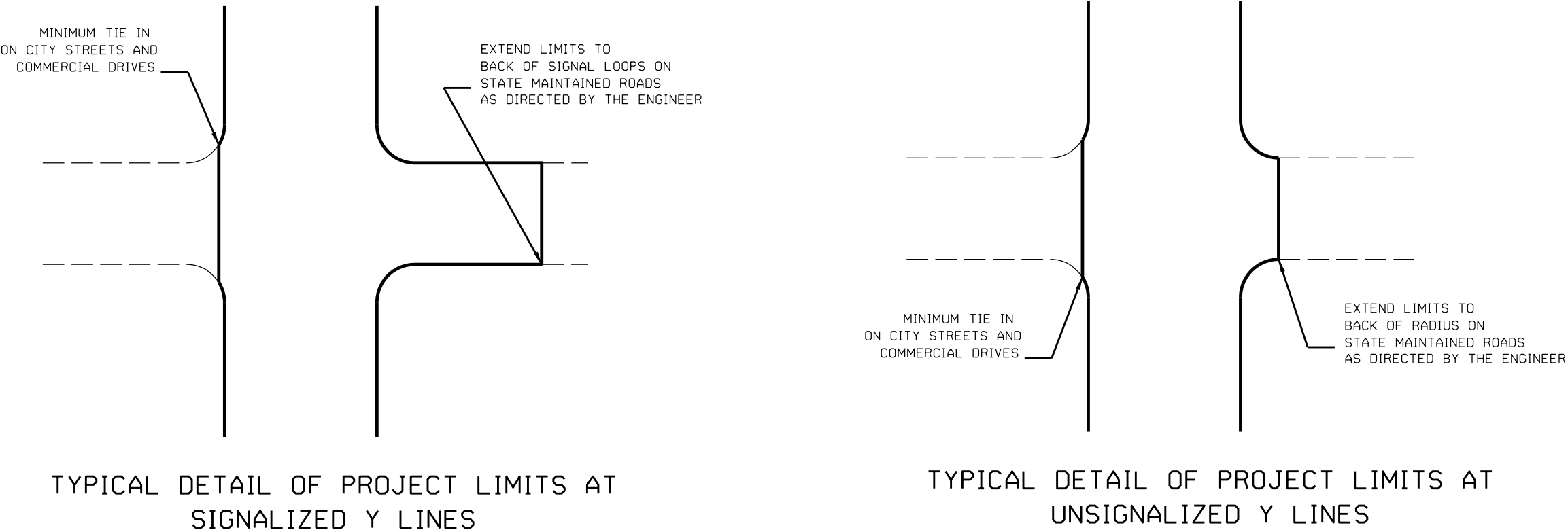
DRAWINGS NOT TO SCALE

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

PROJECT NO.	SHEET NO.	TOTAL NO.
DB00633	4	

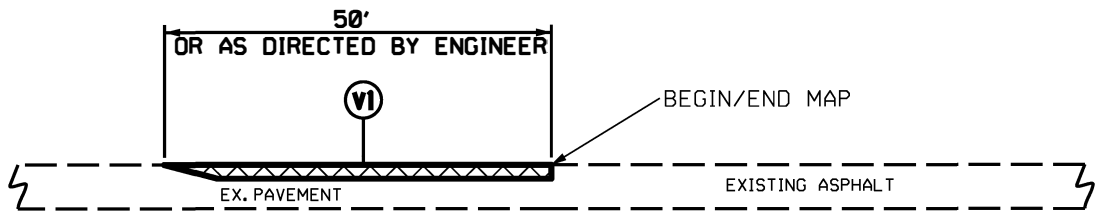
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	HAULING NCDOT SUPPLIED SHOULDER MATERIAL	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	1½" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5D	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	TEMPORARY SILT FENCE	WATTLE	SEED & MULCHING	RESPONSE FOR EROSION CONTROL	WORK ZONE ADVANCE/ GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL
								MI	FT	EA	TONS	SMI	SY	SY	TONS	TONS	TONS	TONS	LF	LF	AC	EA	SF	LS
2027CPT.02.03.10741	Pitt	1	NC-11 N	FROM LENOIR COUNTY TO PAV'T JOINT APPROX. 175' NORTH OF NC 102	1	2	MD	6.80	32	272	340	13.60	149,080	16,440		13,989		811	1,088	200	6.80	2	765	0.48
TOTAL FOR MAP NO. 1								6.80		272	340	13.60	149,080	16,440		13,989		811	1,088	200	6.80	2	765	0.48
2027CPT.02.03.10741	Pitt	2	NC-11 S	FROM PAV'T JOINT APPROX. 775' NORTH OF NC 102 TO LENOIR COUNTY	1	2	MD	6.97	33	279	349	13.94	160,975	13,005		14,615		848	1,115	200	6.97	2	785	0.48
TOTAL FOR MAP NO. 2								6.97		279	349	13.94	160,975	13,005		14,615		848	1,115	200	6.97	2	785	0.48
TOTAL FOR PROJ NO. 2027CPT.02.03.10741								13.77		551	689	27.54	310,055	29,445		28,604		1,659	2,203	400	13.77	4	1,550	0.96
2027CPT.02.15.20741	Pitt	3	SR-1103 / BLOUNT HALL RD	FROM END MAINTENANCE TO NC 11	2	2	2WU	0.04	40	2	2	0.08		115	64		4				0.04			0.01
TOTAL FOR MAP NO. 3								0.04		2	2	0.08		115	64		4				0.04			0.01
2027CPT.02.15.20741	Pitt	4	SR-1104 / W.W. GASKINS RD	FROM NC 11 TO SR 1939 HIGHLAND BLVD	2	2	2WU	0.14	20	6	7	0.28		120	151		10		22		0.14		20	0.01
TOTAL FOR MAP NO. 4								0.14		6	7	0.28		120	151		10		22		0.14		20	0.01
2027CPT.02.15.20741	Pitt	5	SR-1149 / OLD NC 11	FROM NC 11 TO PAV'T JOINT APPROX. 1163' S OF SR 1901 THAD LITTLE RD	3	2	2WU	0.31	29	6	12	0.62	5,575			489		28	50	100	0.31	1	35	0.02
TOTAL FOR MAP NO. 5								0.31		6	12	0.62	5,575			489		28	50	100	0.31	1	35	0.02
TOTAL FOR PROJ NO. 2027CPT.02.15.20741								0.49		14	21	0.98	5,575	235	215	489	14	28	72	100	0.49	1	55	0.04
GRAND TOTAL								14.26		565	710	28.52	315,630	29,680	215	29,093	14	1,687	2,275	500	14.26	5	1,605	1



ADDITIONAL INTERSECTIONS (NON-TYPICAL)		
Extend paving limits to back of radius or loop on the following intersections:		
MAP#	STREET NAME	COMMENTS
1	SR 1110 E HANRAHAN RD	PAVE TO JOINT APPROX. 348' FROM -L-
1	SR 1940 DUDLEY RD	PAVE TO JOINT APPROX. 96' FROM -L-
1	AYDEN-GRIFTON HIGH SCHOOL ENTRANCE	PAVE TO JOINT APPROX. 28' FROM -L-
1	SR 1149 OLD NC 11	PAVE TO END OF ISLAND 60' FROM -L-
1	SNOW HILL ST	PAVE TO JOINT APPROX. 107' FROM -L-
1	NC 102	PAVE TO JOINT APPROX. 70' FROM -L-
2	NC 102	PAVE TO JOINT APPROX. 65' FROM -L-
2	SR 1113 OLD SNOW HILL RD	PAVE TO JOINT APPROX. 142' FROM -L-
2	SR 1179 WORTHINGTON PARK DR	PAVE TO POINT APPROX. 111' FROM -L-
2	SR 1105 ERNEST TAYLOR RD	PAVE ENTIRE APRON APPROX. 125'
2	SR 1110 W HANRAHAN RD	PAVE TO JOINT APPROX. 220' FROM -L-

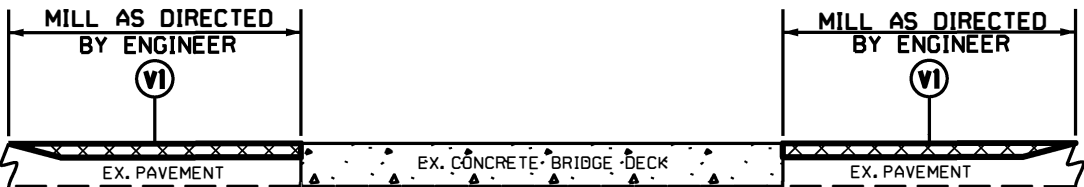
MILLING TYPICALS



DETAIL 1
BEGIN/END MAP TIE-IN

NOTE:

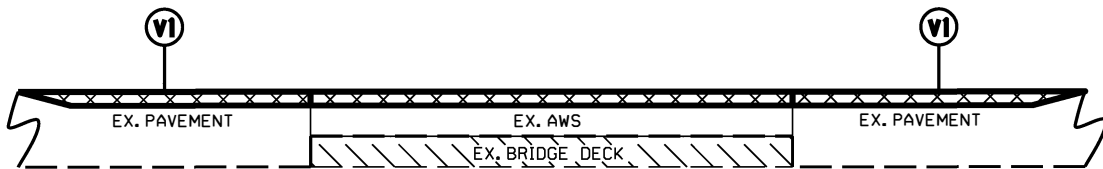
1. MILLING SHALL BE PERFORMED AT MAIN LINE TIE-INS AND Y-LINE TIE-INS AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.



DETAIL 2
BRIDGE MILLING

NOTE:

1. MILLING SHALL BE PERFORMED AT THE BRIDGE APPROACHES AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.

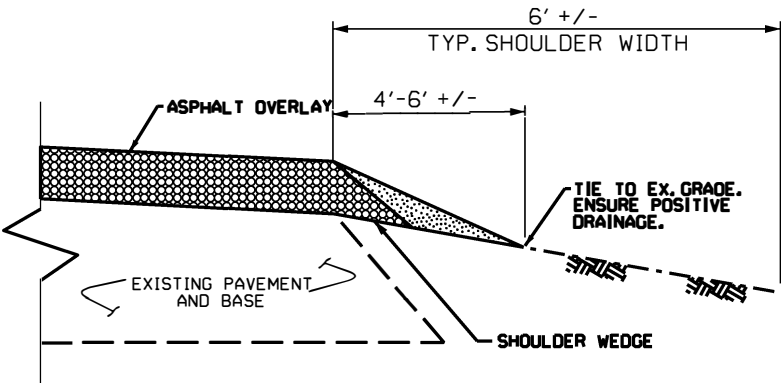


DETAIL 3
BRIDGE MILLING

NOTE:

1. INCLUDES MILLING FOR THE ENTIRE WIDTH OF THE BRIDGE WEARING SURFACE, AS DIRECTED BY THE ENGINEER.

SHOULDER RECONSTRUCTION TYPICAL

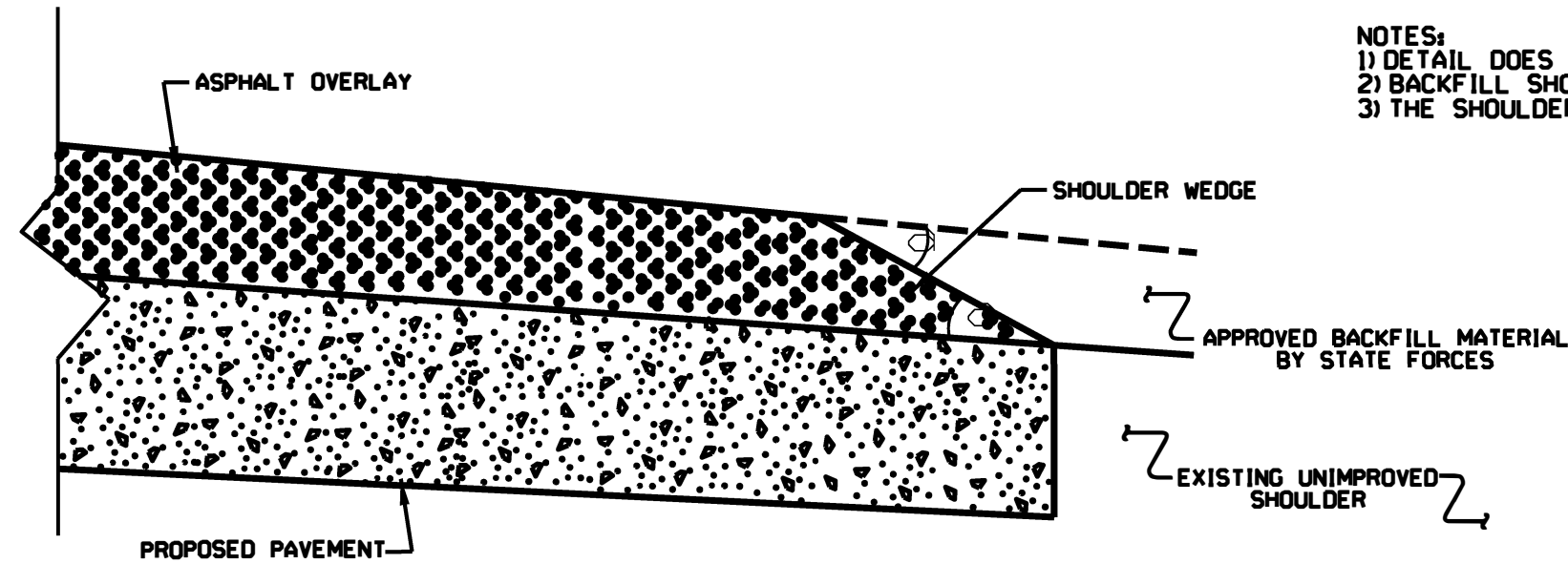


SHOULDER RECONSTRUCTION DETAIL

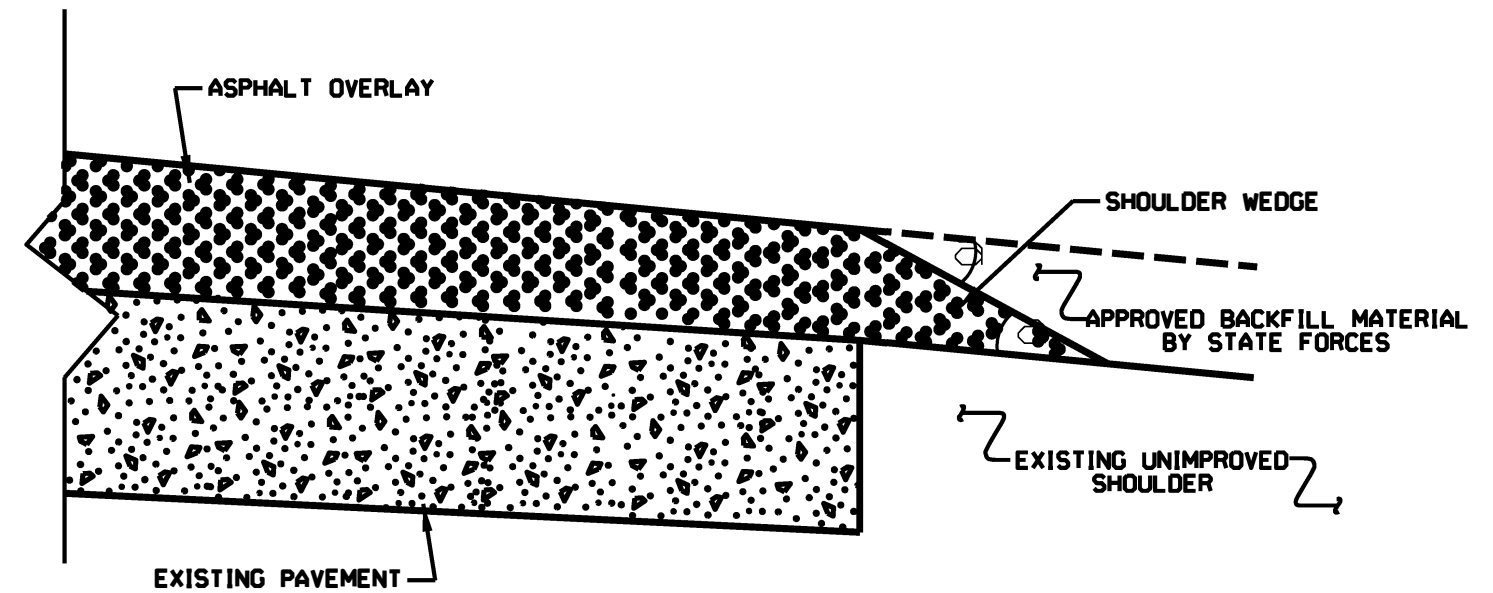
NOTE:

1. SHOULDERS SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE POSITIVE DRAINAGE AWAY FROM THE ROADWAY.
2. A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE EROSION. PULLING DITCHES OR CUTTING SHOULDERS TO GENERATE BORROW MATERIAL WILL NOT BE ALLOWED.
3. REQUIRED BORROW MATERIAL MAY BE OBTAINED FROM NCDOT STOCKPILES. ANY EXCESS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN APPROVED DISPOSAL SITE.

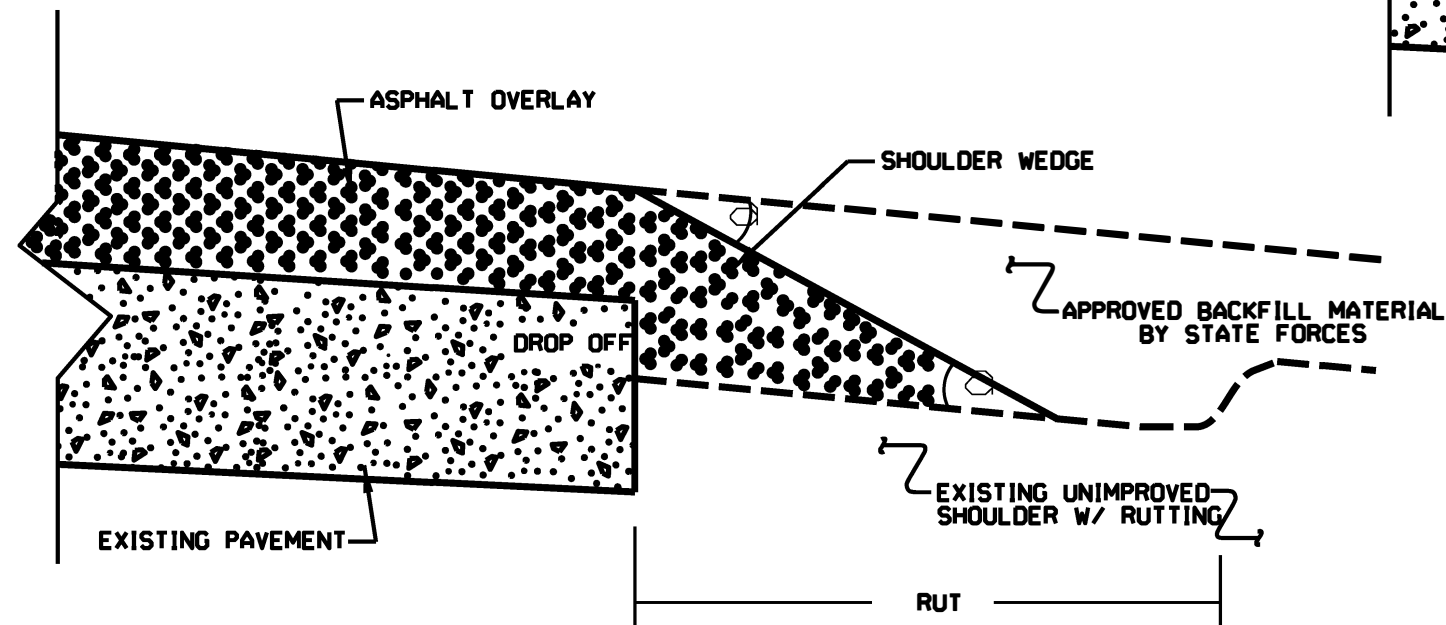
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAF C AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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)

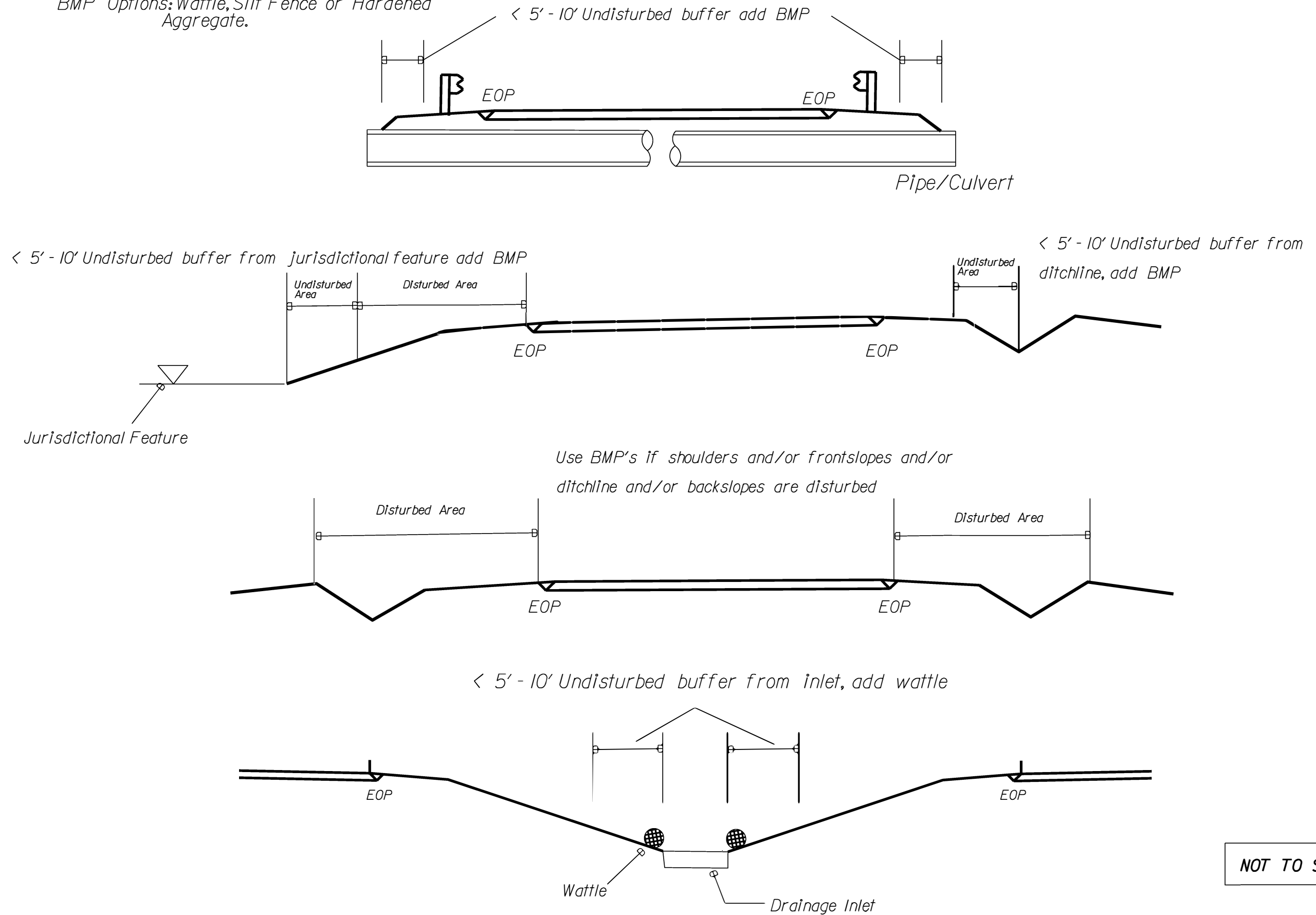
- SHOULDER WEDGE ANGLE = 30°

**SHOULDER WEDGE
DETAILS**

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

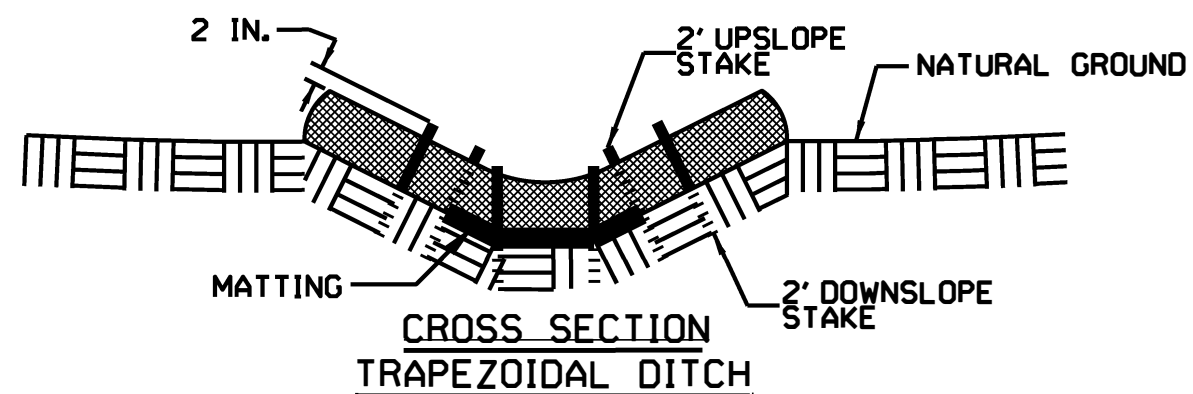
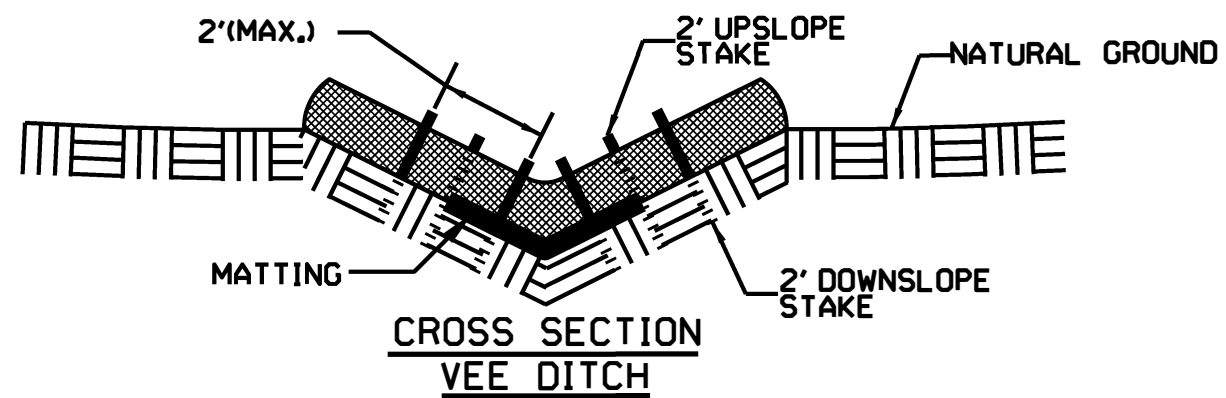
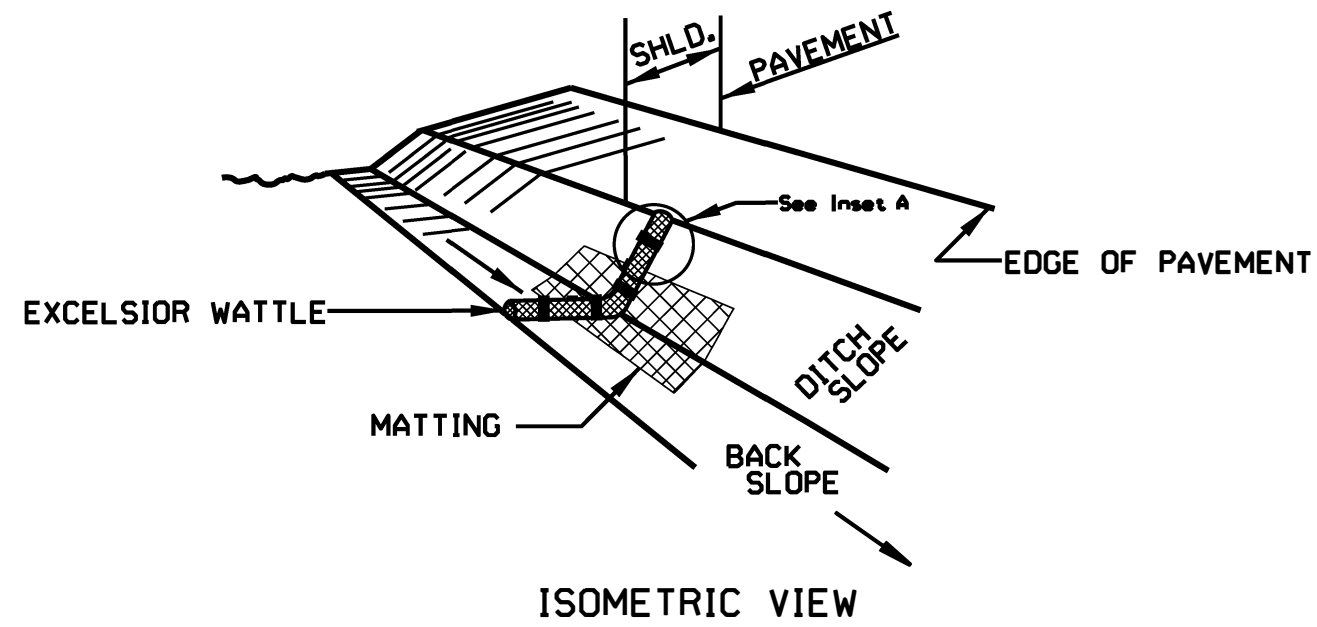
BMP Options: Wattle, Silt Fence or Hardened Aggregate.

EROSION CONTROL DETAIL



NOT TO SCALE

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.

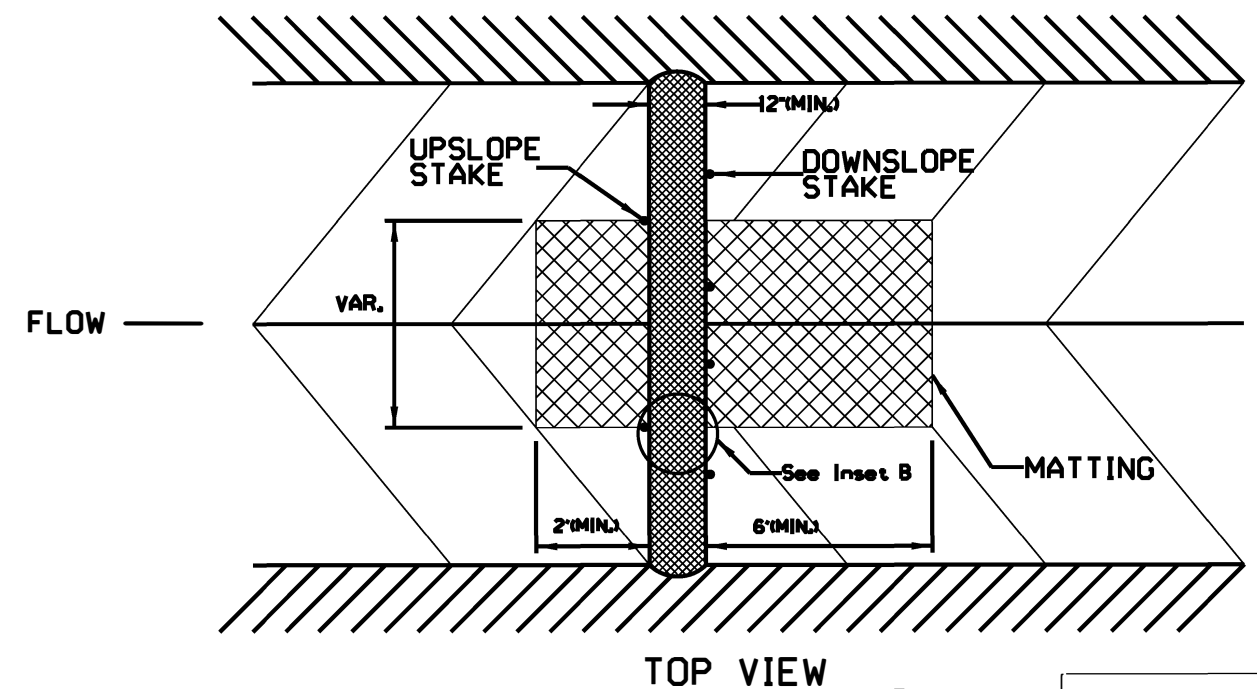
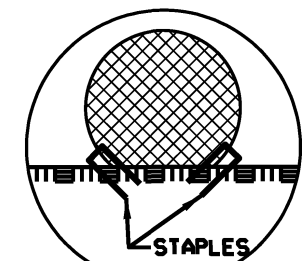
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

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

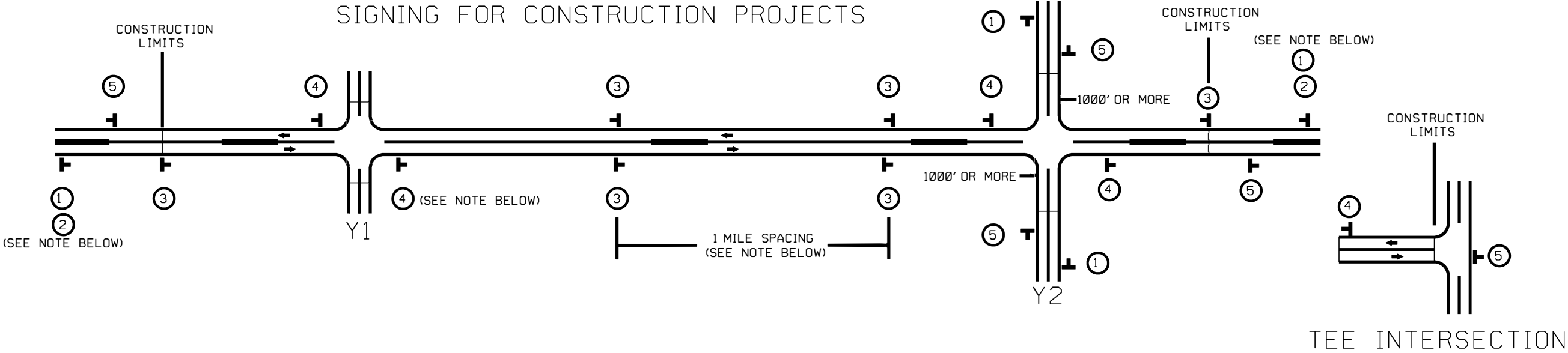
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

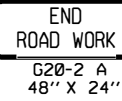
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

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



NOT TO SCALE



SIGNING NOTES AND PLACEMENT PER DIRECTION	MAINLINE (-L-) SIGNING		-Y- LINE SIGNING	
	1	 W20-1 48" X 48"	NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS: 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS 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.	
	2	 W7-3aP 24" X 18"		
	3	 SP.13107 48" X 48"	 W20-1 48" X 48"	
	4	 SP.13106 48" X 48"		
	5	 G20-2 A 48" X 24"	 W20-7 A 48" X 48"	



CONSTRUCTION PROJECTS
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS