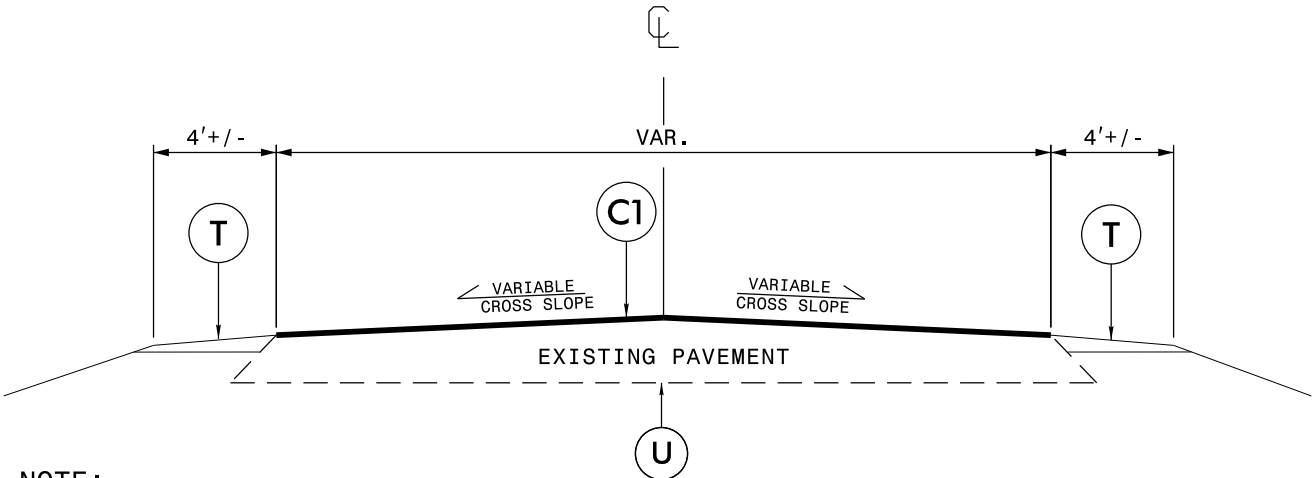
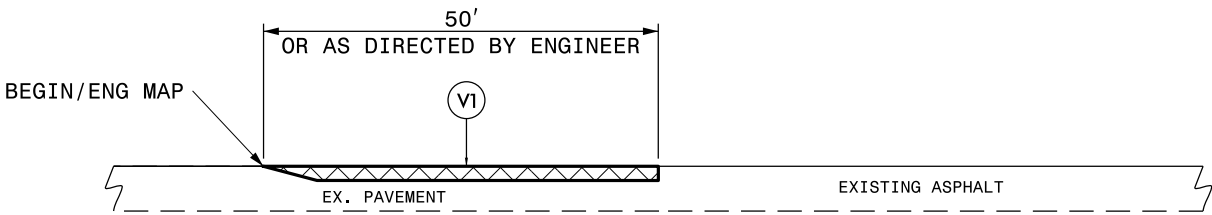


TYPICAL SECTION NO. 1

MAP 1: SR-1100 – FROM SR-1101 TO NC-58.
MAP 2: SR-1101 – FROM BEGIN BRIDGE TO THE INTERSECTION OF SR-1100.

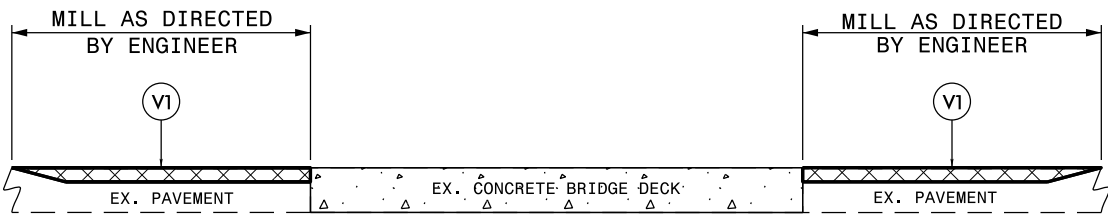


- NOTE:
1. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.
 2. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIL LINE SECTIONS AND BRIDGE APPROACHES OR AS DIRECTED BY THE ENGINEER.



MAIN LINE MILLING

- 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.

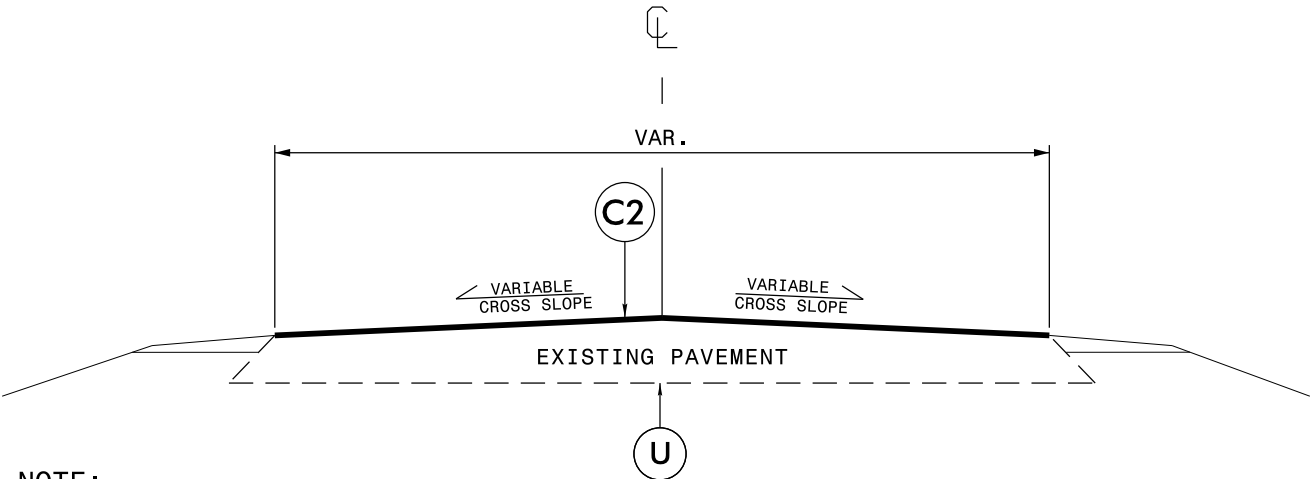


BRIDGE MILLING

- NOTE:
1. MILLING SHALL BE PERFORMED AT BRIDGE APPROACHES FOR BRIDGE 49 AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THIS DETAIL.

TYPICAL SECTION NO. 2

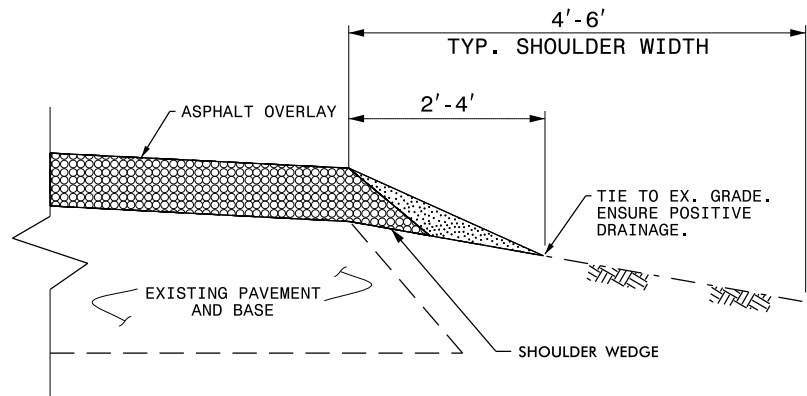
Map 3: SR-1101 From SR-1100 to End Maintenance.
Map 4: SR-1102 From SR-1101 to SR-1100
Map 5: SR-1103 From SR-1101 to NC 58.
Map 6: SR-1732 From Cul-De-Sac to SR-1107.
Map 7: SR-1733 From Cul-De-Sac to SR-1107.
Map 8: SR-1734 From Cul-De-Sac to End Maintenance.
Map 9: SR-1735 From SR-1734 to Cul-De-Sac.
Map 10: SR-1750 From SR-1735 to Cul-De-Sac.



- NOTE:
1. PLACE ASPHALT SURFACE COURSE AT FULL WIDTH OF EXISTING ASPHALT PAVEMENT, AS DIRECTED BY THE ENGINEER.

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1¾" OF ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5A, AT AN AVERAGE RATE OF 192.5 LBS. PER SQ. YD.
C2	PROP. APPROX. ¾" OF ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 75 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING AT BRIDGE APPROACHES AND MAP TIE-INS, OR AS DIRECTED BY THE ENGINEER.
U	EXISTING PAVEMENT
T	SHOULDER RECONSTRUCTION AS DIRECTED BY THE ENGINEER.
DRAWINGS NOT TO SCALE	

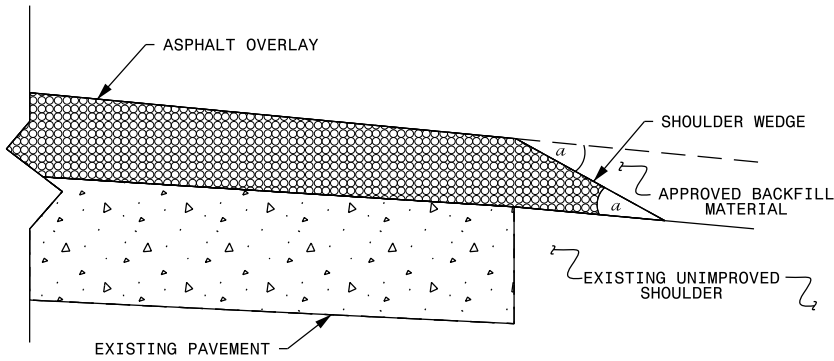
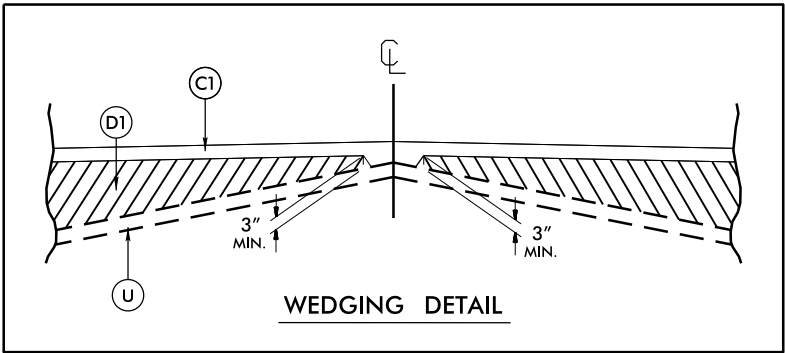
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



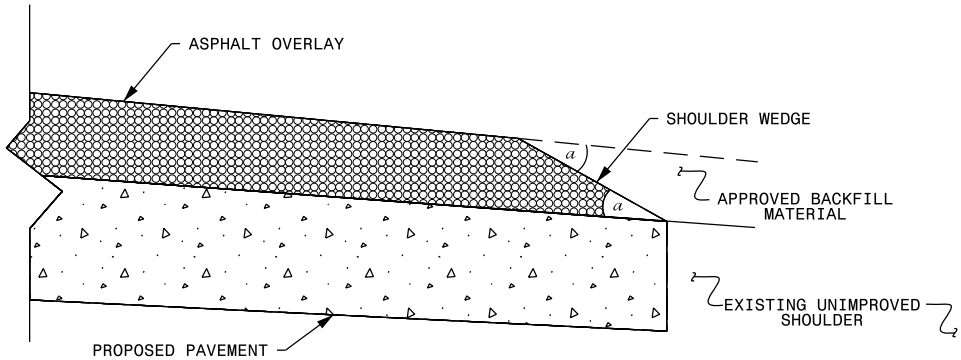
SHOULDER RECONSTRUCTION DETAIL

NOTE:

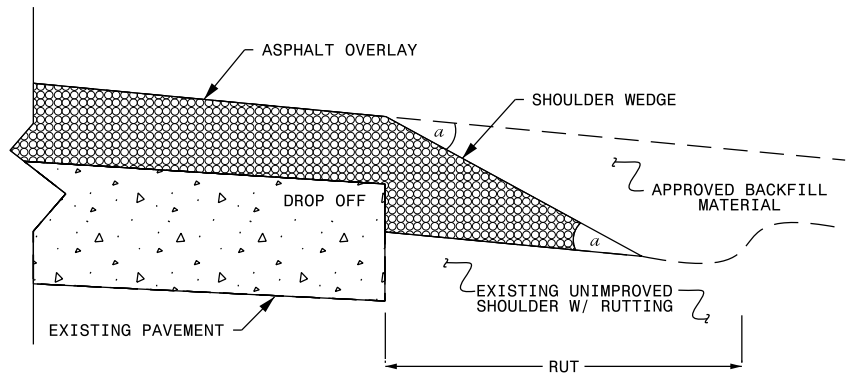
1. SHOULDERS SHALL BE RECONSTRUCTED AS SHOWN IN STD. DWG. NO. 560.01 & 560.02, WITH A MINIMUM SLOPE OF 1" PER FOOT TO ENSURE POSITIVE DRAINAGE AWAY FROM THE ROADWAY.
2. A VEGETATIVE BUFFER SHALL BE MAINTAINED BETWEEN THE DISTURBED AREA ALONG THE EDGE OF PAVEMENT AND THE DITCH SHOULDER POINT TO MINIMIZE 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.



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ no Widening)



SHOULDER WEDGE DETAIL
(Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
(Resurfacing Adjacent to Rutted Shoulder)

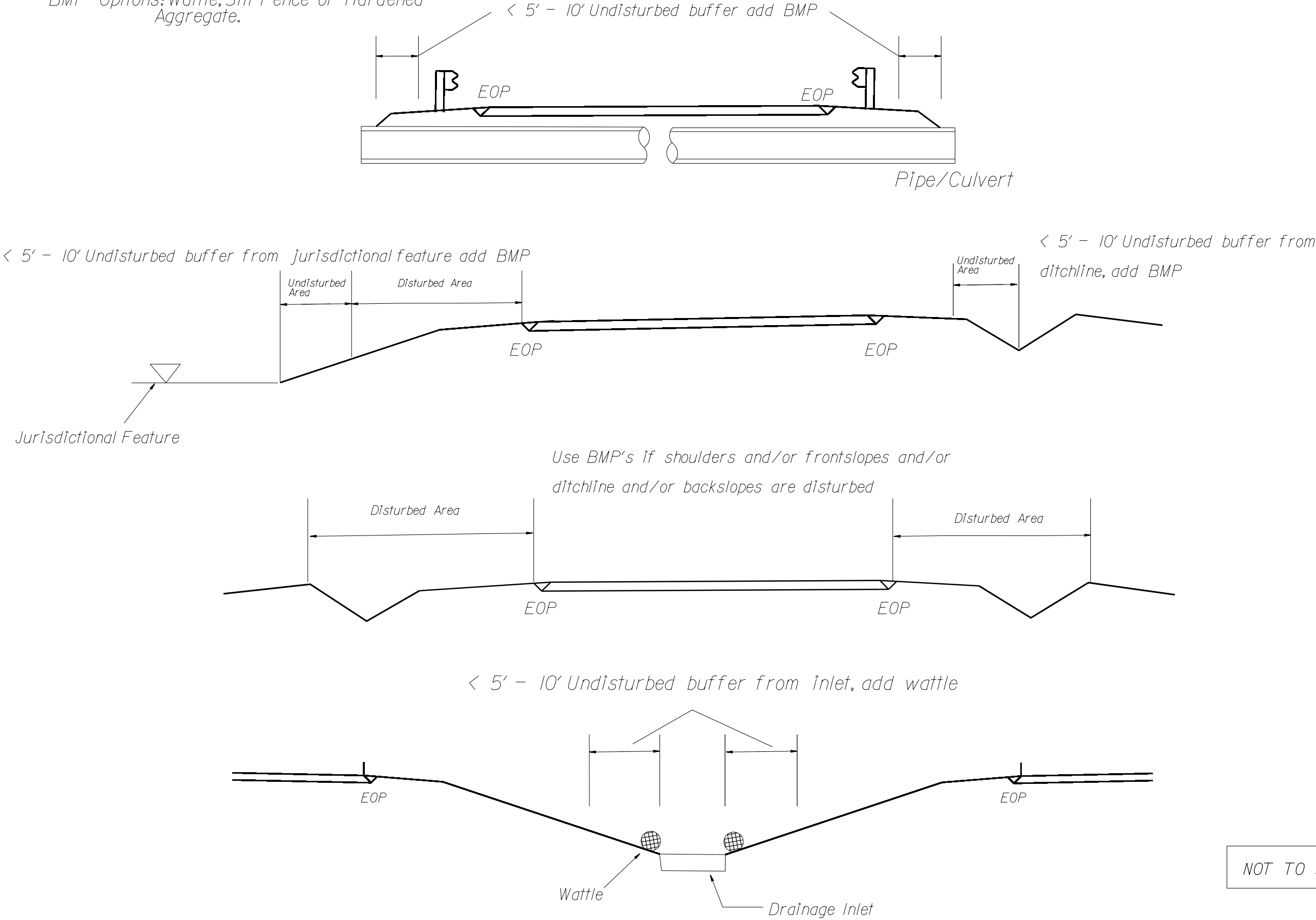
- NOTES:
1. DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2. BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3. THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

- SHOULDER WEDGE ANGLE = 30°

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

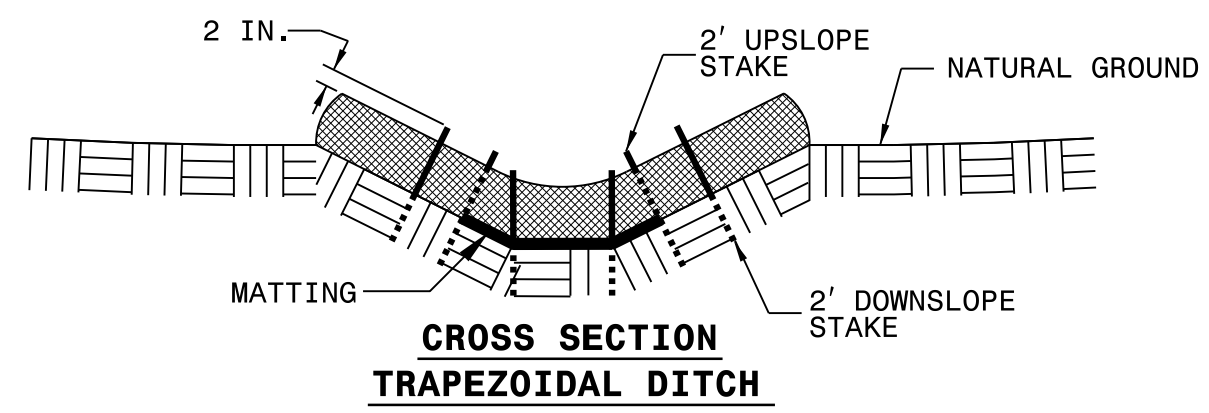
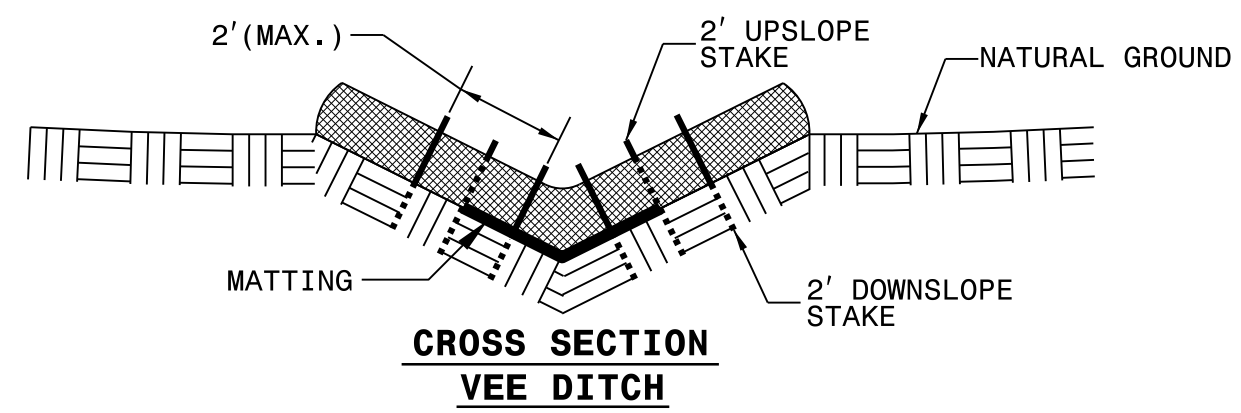
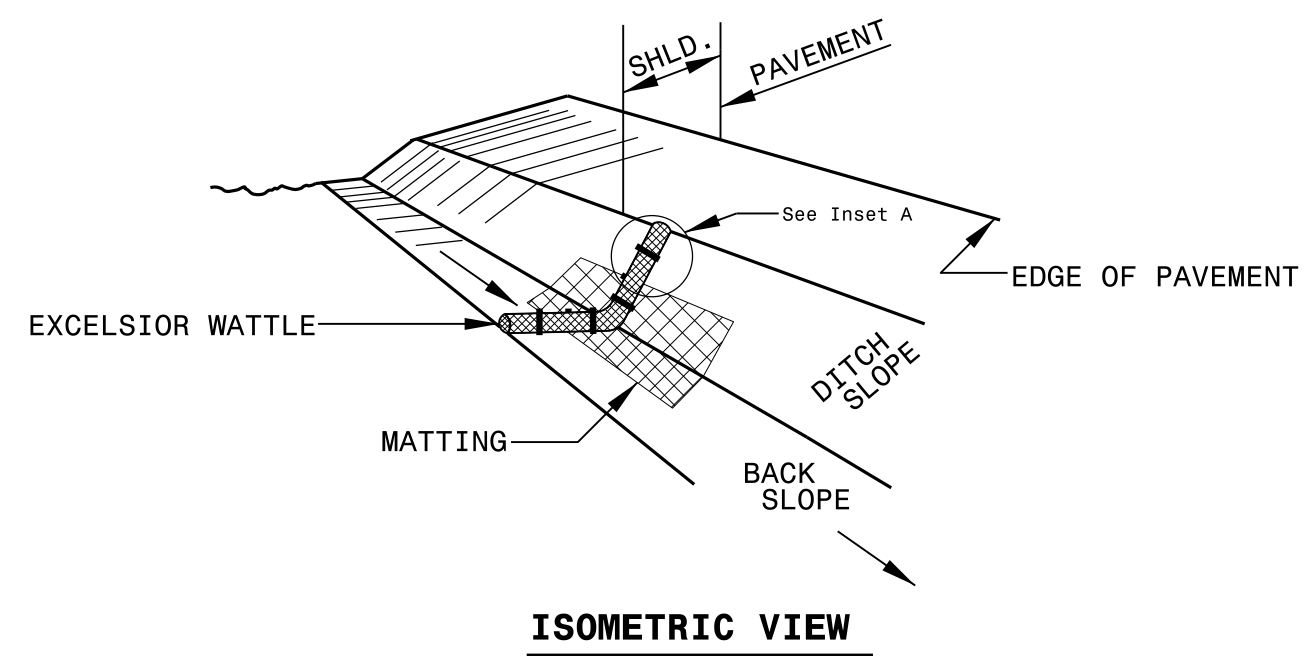
BMP Options: Wattle, Silt Fence or Hardened Aggregate.

EROSION CONTROL DETAIL

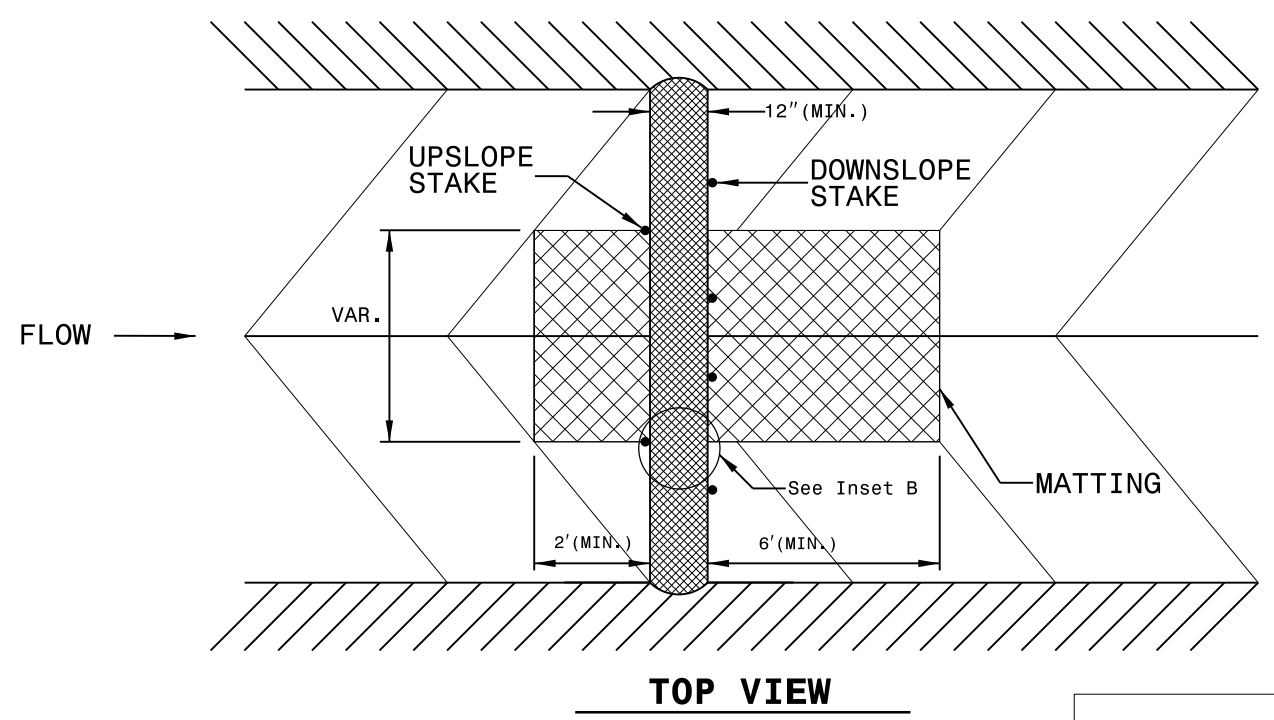
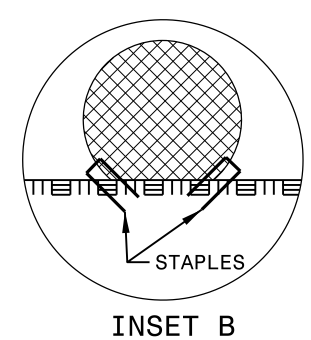
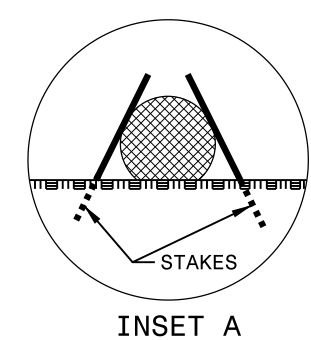


NOT TO SCALE

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.



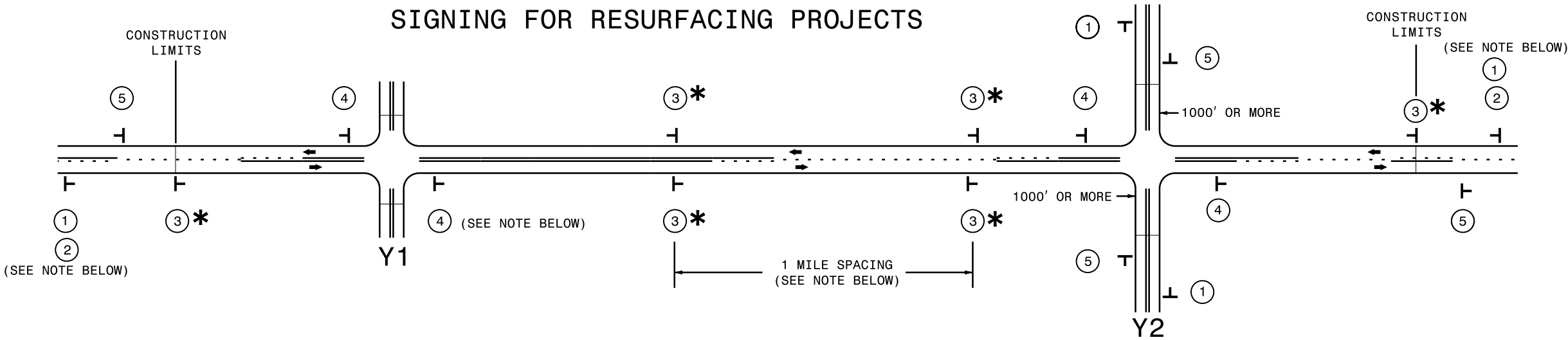
NOT TO SCALE

SUMMARY OF QUANTITIES

PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	SHOULDER RECONSTRUCTION	INCIDENTAL MILLING	SURFACE COURSE, SF9.5A	SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	TEMPORARY SILT FENCE	WATTLE	SEED & MULCHING
NO		NO			NO					MI	FT	SMI	SY	TONS	TONS	TONS	LF	LF	AC
2016CPT.02.17.20161.1	Carteret	1	SR-1100	FROM SR-1101 TO NC-58.	1	2	2WU	NO	NO	1.82	20	3.64	150	2,171		145	200.00	50.00	2.00
TOTAL FOR MAP NO. 1										1.82		3.64	150	2,171		145	200.00	50.00	2.00
2016CPT.02.17.20161.1	Carteret	2	SR-1101	FROM BRIDGE 49 TO SR-1100	2	2	2WU	NO	NO	0.12	25	0.25	150	160		11			0.12
TOTAL FOR MAP NO. 2										0.12		0.25	150	160		11			0.12
TOTAL FOR PROJ NO. 2016CPT.02.17.20161.1										1.94		3.89	300	2,331		156	200.00	50.00	2.12
2016CPT.02.37.20162.2	Carteret	3	SR-1101	FROM SR1100 TO END MAINTENANCE	2	2	2WU	NO	NO	4.61	20		225		2,138	145			
TOTAL FOR MAP NO. 3										4.61			225		2,138	145			
2016CPT.02.37.20162.2	Carteret	4	SR-1102	FROM SR1101 TO SR-1100	2	2	2WU	NO	NO	0.68	20		225		330	22			
TOTAL FOR MAP NO. 4										0.68			225		330	22			
2016CPT.02.37.20162.2	Carteret	5	SR-1103	FROM SR1101 TO NC-58	2	2	2WU	NO	NO	1.01	20		225		500	34			
TOTAL FOR MAP NO. 5										1.01			225		500	34			
2016CPT.02.37.20162.2	Carteret	6	SR-1732	FROM CUL-DE-SAC TO SR-1107	2	2	2WU	NO	NO	0.35	18		100		154	10			
TOTAL FOR MAP NO. 6										0.35			100		154	10			
2016CPT.02.37.20162.2	Carteret	7	SR-1733	FROM CUL-DE-SAC TO SR-1107	2	2	2WU	NO	NO	0.22	18		100		95	6			
TOTAL FOR MAP NO. 7										0.22			100		95	6			
2016CPT.02.37.20162.2	Carteret	8	SR-1734	FROM SR-1735 TO END MAINTENANCE	2	2	2WU	NO	NO	0.22	18				95	6			
TOTAL FOR MAP NO. 8										0.22					95	6			
2016CPT.02.37.20162.2	Carteret	9	SR-1735	FROM SR-1734 TO CUL-DE-SAC	2	2	2WU	NO	NO	0.63	18				95	6			
TOTAL FOR MAP NO. 9										0.63					95	6			
2016CPT.02.37.20162.2	Carteret	10	SR-1750	FROM SR-1735 TO CUL-DE-SAC	2	2	2WU	NO	NO	0.17	18				73	5			
TOTAL FOR MAP NO. 10										0.17					73	5			
2016CPT.02.37.20162.2	Carteret	11	SR-1107	FROM SR-1735 TO SR-1106	2	2	2WU	NO	NO	0.42	18				179	12			
TOTAL FOR MAP NO. 11										0.42					179	12			
TOTAL FOR PROJ NO. 2016CPT.02.37.20162.2										8.29			875		3,659	246			
GRAND TOTAL										10.23		3.89	1,175	2,331	3,659	402	200.00	50.00	2.12

WZTC QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL
										SF	LS
2016CPT.02.17.20161.1	Carteret	1	SR-1100	FROM SR-1101 TO NC-58.	1	2	2WU	1.818	20	204	0.18
TOTAL FOR MAP NO. 1								1.818		204	0.18
2016CPT.02.17.20161.1	Carteret	2	SR-1101	FROM BRIDGE 49 TO SR-1100	2	2	2WU	0.123	25		
TOTAL FOR MAP NO. 2								0.123			
TOTAL FOR PROJ NO. 2016CPT.02.17.20161.1								1.941		204	0.18
2016CPT.02.37.20162.2	Carteret	3	SR-1101	FROM SR1100 TO END MAINTENANCE	2	2	2WU	4.614	20	538	0.46
TOTAL FOR MAP NO. 3								4.614		538	0.46
2016CPT.02.37.20162.2	Carteret	4	SR-1102	FROM SR1101 TO SR-1100	2	2	2WU	0.679	20	76	0.07
TOTAL FOR MAP NO. 4								0.679		76	0.07
2016CPT.02.37.20162.2	Carteret	5	SR-1103	FROM SR1101 TO NC-58	2	2	2WU	1.006	20	112	0.10
TOTAL FOR MAP NO. 5								1.006		112	0.10
2016CPT.02.37.20162.2	Carteret	6	SR-1732	FROM CUL-DE-SAC TO SR-1107	2	2	2WU	0.35	18	40	0.03
TOTAL FOR MAP NO. 6								0.35		40	0.03
2016CPT.02.37.20162.2	Carteret	7	SR-1733	FROM CUL-DE-SAC TO SR-1107	2	2	2WU	0.218	18	25	0.02
TOTAL FOR MAP NO. 7								0.218		25	0.02
2016CPT.02.37.20162.2	Carteret	8	SR-1734	FROM SR-1735 TO END MAINTENANCE	2	2	2WU	0.218	18	25	0.02
TOTAL FOR MAP NO. 8								0.218		25	0.02
2016CPT.02.37.20162.2	Carteret	9	SR-1735	FROM SR-1734 TO CUL-DE-SAC	2	2	2WU	0.625	18	70	0.06
TOTAL FOR MAP NO. 9								0.625		70	0.06
2016CPT.02.37.20162.2	Carteret	10	SR-1750	FROM SR-1735 TO CUL-DE-SAC	2	2	2WU	0.166	18	20	0.01
TOTAL FOR MAP NO. 10								0.166		20	0.01
2016CPT.02.37.20162.2	Carteret	11	SR-1107	FROM SR-1735 TO SR-1106	2	2	2WU	0.417	18	48	0.04
TOTAL FOR MAP NO. 11								0.417		48	0.04
TOTAL FOR PROJ NO. 2016CPT.02.37.20162.2								8.293		954	0.82
GRAND TOTAL								10.234		1,158	1.00



LEGEND

STATIONARY SIGN

DIRECTION OF TRAFFIC FLOW

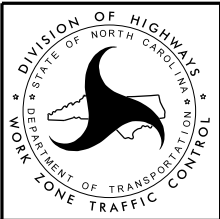
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<div>1</div> <div>2</div> <div> W20-1 48" X 48"</div> <div> NEXT XX MILES W7-3aP 24" X 18"</div> <div>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</div> <div>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)</div>	<div>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</div> <div>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS</div> <div>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.</div> <div> W20-1 48" X 48"</div> <div> W20-7 A 48" X 48"</div> <div>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</div>
	<div>3*</div> <div> SP 13107 48" X 48"</div> <div>PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. IF NO -Y- LINES EXIST, PLACE 2ND SET 1/2 MILE FROM THE CONSTRUCTION LIMITS AND THEN SPACE 1 MILE THEREAFTER.</div>	
	<div>4</div> <div> SP 13106 48" X 48"</div> <div>THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</div>	
	<div>5</div> <div> END ROAD WORK G20-2 A 48" X 24"</div> <div>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</div>	

* SIGNING FOR ASPHALT SURFACE TREATMENTS (ONLY)

SUBSTITUTE LOW/SOFT SHOULDER SIGNS BY ALTERNATING THE FOLLOWING TWO SIGNS:
STARTING WITH "UNMARKED PAVEMENT AHEAD" (SP 06026) FOLLOWED BY "LOOSE GRAVEL" (W8-7).



RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS