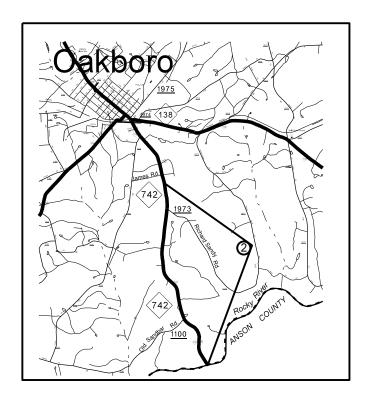
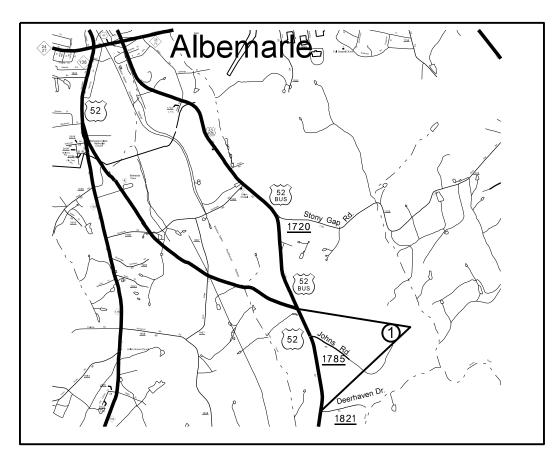
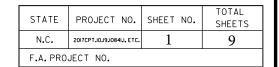
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ENLARGED MUNICIPAL AND SUBURBAN AREAS

STANLY COUNTY

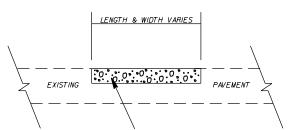
NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - GIS UNIT

IN COOPERATION WITH THE
U.S.DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS											
N.C.	2017CPT.IO.19.10841.1, ETC.	2	9											
F.A. PRO	F.A. PROJECT NO.													

PATCHING DETAIL



RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER.
ASPHALT TYPE B25.0C OR 119.0C SHALL BE PLACED WHEN USING
S9.5C SURFACE MIX
ASPHALT TYPE B25.0B OR 119.0B SHALL BE PLACED WHEN USING
S9.5B SURFACE MIX

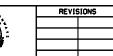
2'-6'	24'-26'		2′-6′
VARIES	VARIES		VARIES
T1	C1		T1)
	EXISTING PAVEMENT		
L — — -	TYPICAL SECTION N	NO. 1	

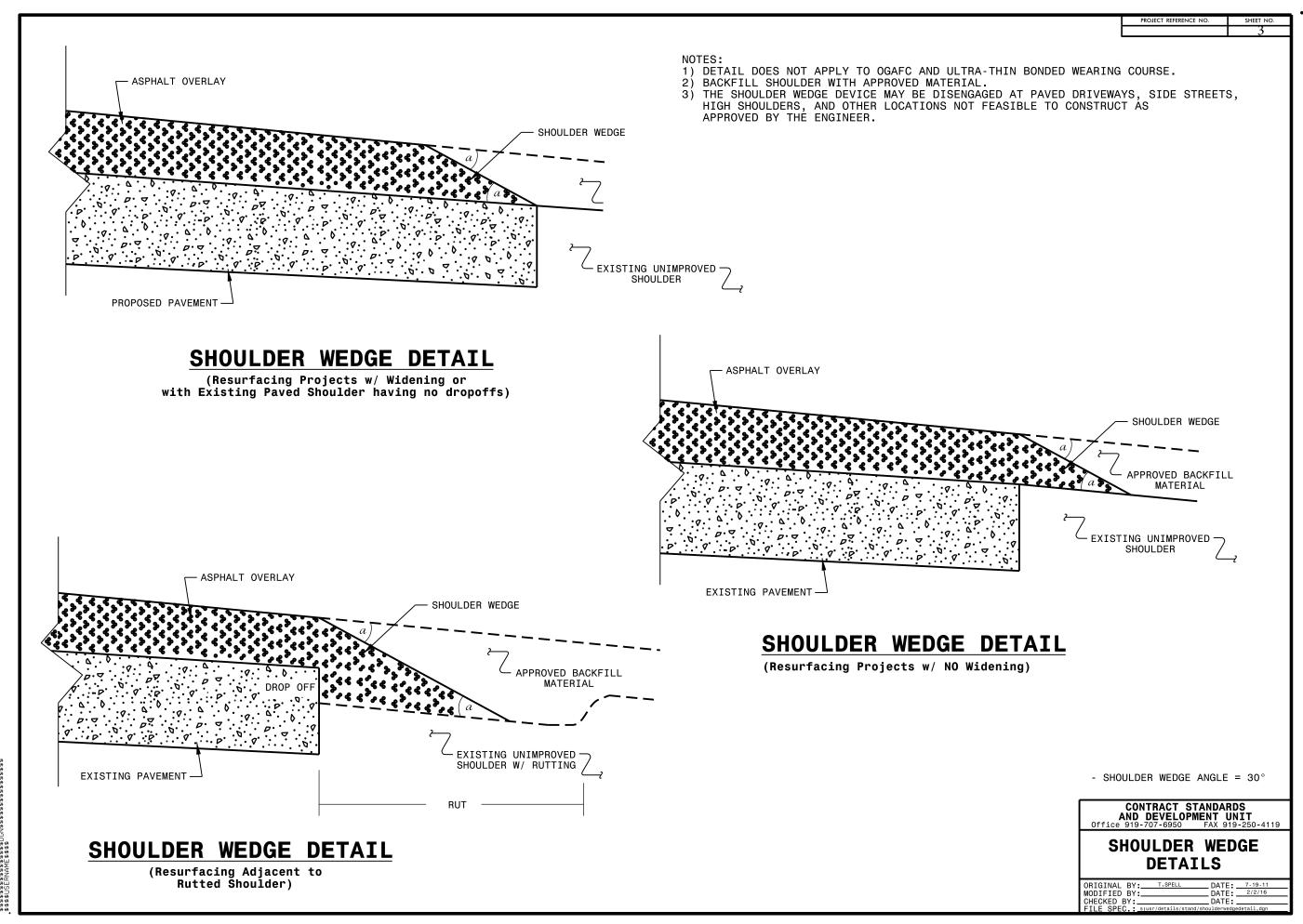
	PAVEMENT SCHEDULE
C <u>1</u>	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	STRESS ABSORBING MEMBRANE INTRELAYER
T <u>1</u>	SHOULDER RECONSTRUCTION

STANLY COUNTY RESURFACING 2017-2018

SCALE	-NA-	
DATE	3/17	
DWG. BY	JDA	
DESIGN BY	JDA	
ADDDOVED	ICI	







ssssssySTIMEsssss ssssssssssssssSDGNsssssssss ssssUSERNAMEssss

PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.10.19.10841.1,	4	9
2017CPT 10 19 10841 2		

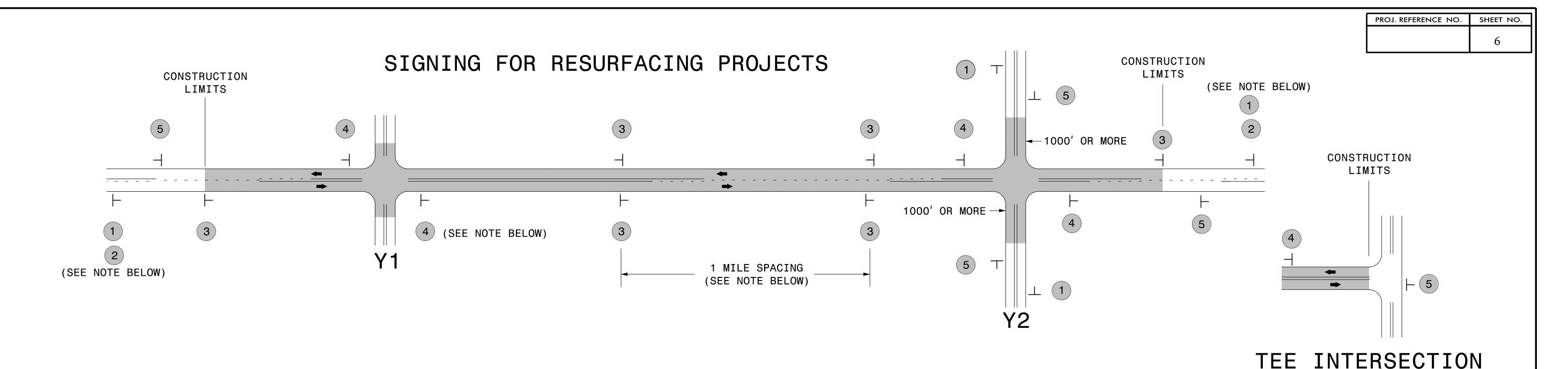
SUMMARY OF QUANTITIES

											,	,						,		,	,					,
PROJECT	COUNTY	MAP	ROUTE	DESCRIPTION	TYP	LANES	LANE	FINAL	WARM MIX	LENGTH	WIDTH	BORROW	INCIDENTAL	SHOULDER	INCIDENTAL	SURFACE	LEVELING	ASPHALT	PATCHING	ASPHALT	EMULSION	6"	ADJ. OF	ADJ. OF	TEMPORARY	WATTLE
							TYPE	SURFACE	ASPHALT				STONE BASE	RECONSTRUC	MILLING	COURSE,	COURSE,	BINDER FOR	EXISTING	RUBBER	FOR STRESS	DRIVEWAYS	MANHOLES	METER OR	SILT FENCE	
								TESTING	REQUIRED					TION		S9.5B	S9.5B	PLANT MIX	PAVEMENT	STRESS	ABSORBING			VALVE BOX		
								REQUIRED	-,-												MEMBRANE					
								ILLQOIILED												MEMBRANE	MILIVIDIOAIVE					
						.						614	TONG	Chai	614	TONG	TONG	TON	TONG			CV.				
NO		NO			NO	1				MI	FT	CY	TONS	SMI	SY	TONS	TONS	TON	TONS	SY	GAL	SY	EA	EA	Lŀ	LF
				FROM PAVT. JOINT SOUTH OF SR																						
				1821 (DEERHAVEN DR) TO PAVT																						
				JOINT SOUTH OF US 52 BUS. MP 8.24																						
2017CPT.10.19.10841.1	Stanly	1	US 52	TO MP 9.37	1	2		NO	NO	1.13	26	260	75	2.26	320	1,600	100	103	150	17,236	10,342	50	1	1		160
TOTAL FOR I	MAP NO.	1								1.13		260	75	2.26	320	1,600	100	103	150	17,236	10,342	50	1	1		160
TOTAL FOR PROJ NO. 20	017CPT.10	.19.108	341.1							1.13		260	75	2.26	320	1,600	100	103	150	17,236	10,342	50	1	1		160
																		•								
				FROM ROCKY RIVER BRIDGE TO THE																						
				CITY LIMITS OAKBORO MP 0.00 TO																						
2017CPT.10.19.10841.2	Stanly	2	NC 742	MP 2.40	1	2		NO	NO	2.4	24	552	180	4.80	1,200	3,249	75	200	100	35,092	21,055				300	320
TOTAL FOR I	MAP NO.	2								2.4		552	180	4.80	1,200	3,249	75	200	100	35,092	21,055				300	320
TOTAL FOR PROJ NO. 20	017CPT.10	.19.108	341.2							2.4		552	180	4.80	1,200	3,249	75	200	100	35,092	21,055				300	320
					•	•					•	•	•					•	•	•	•	•				
GRAND	TOTAL									3.53		812	255	7.06	1,520	4,849	175	303	250	52,328	31,397	50	1	1	300	480

PROJECT NO.	SHEET NO.	TOTAL NO.
2017CPT.10.19.10841.1	5	9
2017CPT 10 19 10841 2		

THERMOPLASTIC AND PAINT QUANTITIES

									4413000000-E	4457000000-N	489000	0000-E	490000000-N	
PROJECT	PROJECT COUNTY MAP ROUTE DESCRIPTION		TYP	LANES	LANE TYPE	LENGTH	WIDTH	WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4' X 120M YELLOW THERMO (HRM)	4" X 90M WHITE THERMO (HRM)	YELLOW & YELLOW MARKERS		
NO		NO			NO					SF	LS	LF	LF	EA
				FROM PAVT. JOINT SOUTH OF SR 1821 (DEERHAVEN DR) TO PAVT JOINT SOUTH OF										
2017CPT.10.19.10841.1	Stanly	1	US 52	US 52 BUS. MP 8.24 TO MP 9.37	1	2		1.13	26	112		7,800	11,932	75
TOTAL I	FOR MAP NO. 1							1.13		112		7,800	11,932	75
TOTAL FOR BROLIN	TOTAL FOR PROJ NO. 2017CPT.10.19.10841.1							1.13		112		7,800	11,932	75
2017CPT.10.19.10841.2	Stanly	2	NC 742	FROM ROCKY RIVER BRIDGE TO THE CITY LIMITS OAKBORO MP 0.00 TO MP 2.40	1	2		2.4	24	246		21,810	25,344	158
TOTAL I	FOR MAP NO. 2							2.4		246		21,810	25,344	158
TOTAL FOR BROLIN	TOTAL FOR PROJ NO. 2017CPT.10.19.10841.2							2.4		246		21,810	25,344	158
TOTAL FOR PROJ N	IO. 2017CP1.10.13	7.10041.2												
GR	AND TOTAL							3.53		358	1	29,610	37,276	233
GR/	AND IOIAL												•	



<u>LEGEND</u> ├ STATIONARY SIGN

END

ROAD WORK

G20–2 A 48'' X 24''

← DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN

WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

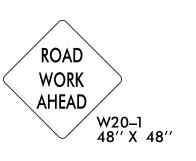
-Y- LINE SIGNING

PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. lacksquare ROAD lacksquareONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE. WORK O AHEAD W20-1 48" X 48" ND #2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. NEXT W7-3aP 24" X 18" ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS) A SH - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART LOW/SOFT THEREAFTER SHOULDER/ - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION NO ER SP 13107 48" X 48" AND SPACE 1 MILE APART THEREAFTER. \Box IGNING - THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. **ROAD** - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. UNDER - 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 S ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.

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.





PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.

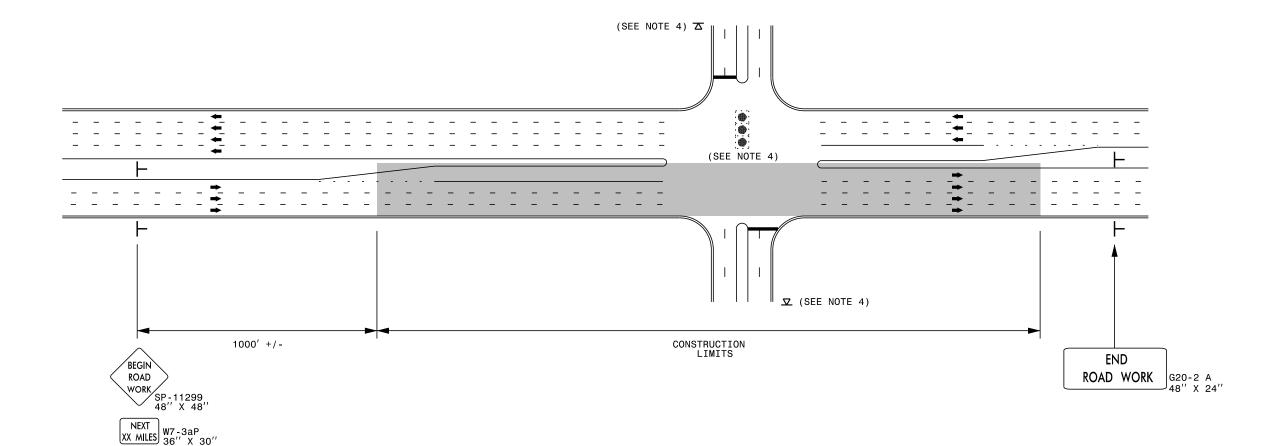
OF HIGH NORTH CAPOLIZE * NORTH CAPOLIZE * NORTH CAPOLIZE * NOT TRANSPOCO TRAFFIC

RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS

ngdrrettivbesktopikesurtdeing_Advwdrn_zln.dgn rett

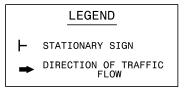
PROJ. REFERENCE NO. SHEET NO.

URBAN / SUBURBAN WORKZONES



NOTES:

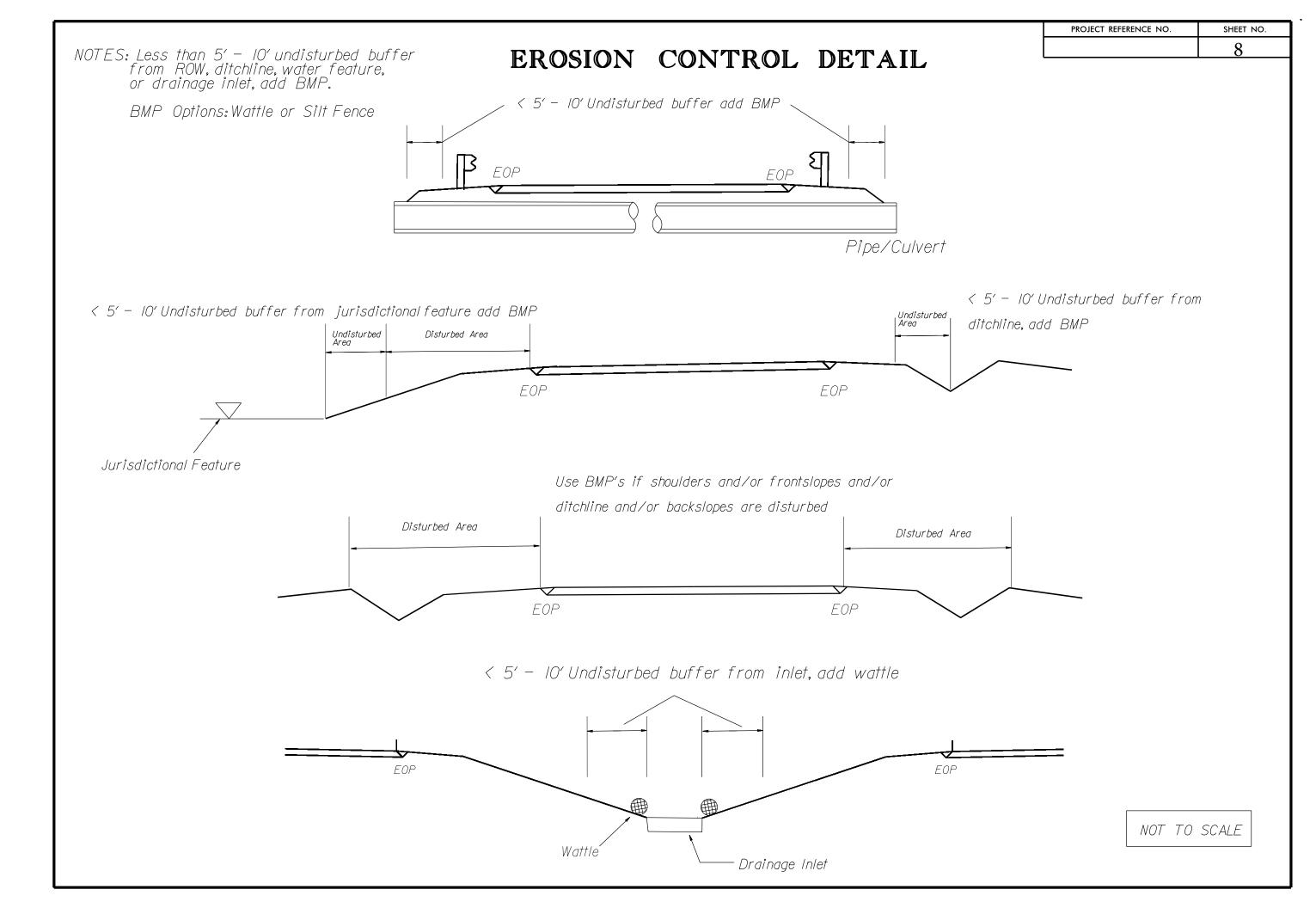
- 1) $48" \times 48"$ SIZED SIGNS (SP- 11299) MAY BE REDUCED TO $36" \times 36"$ ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AND PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS.THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.





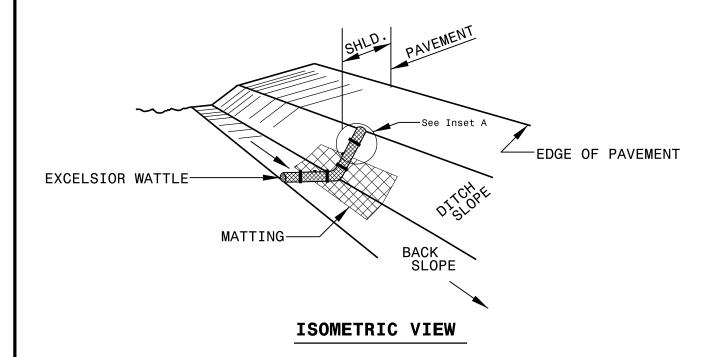
RESURFACING ADVANCE WARNING SIGNS FOR URBAN / SUBURBAN FACILITIES

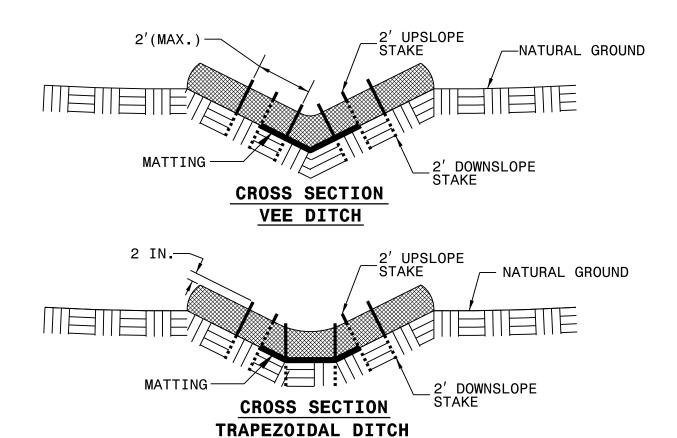
mgarrett ,



PROJECT REFERENCE NO. SHEET NO.

WATTLE 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.

