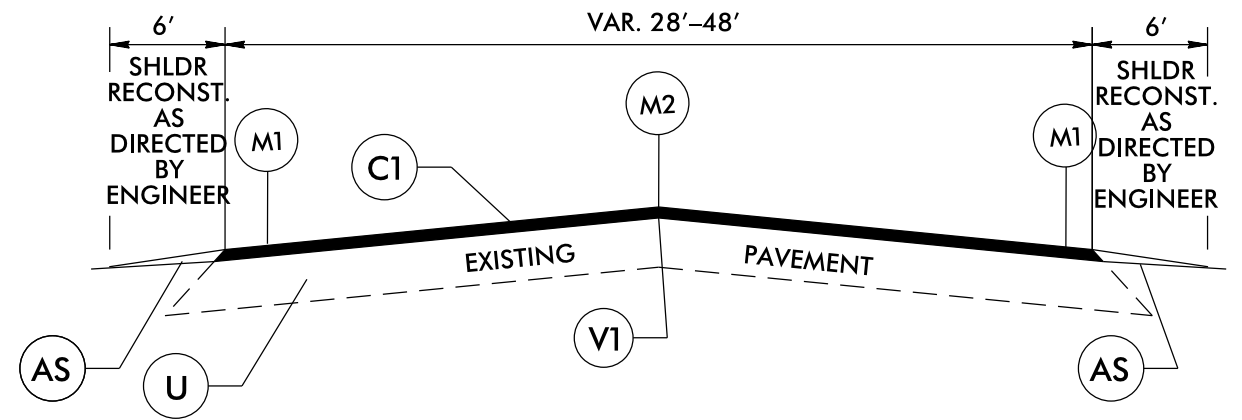
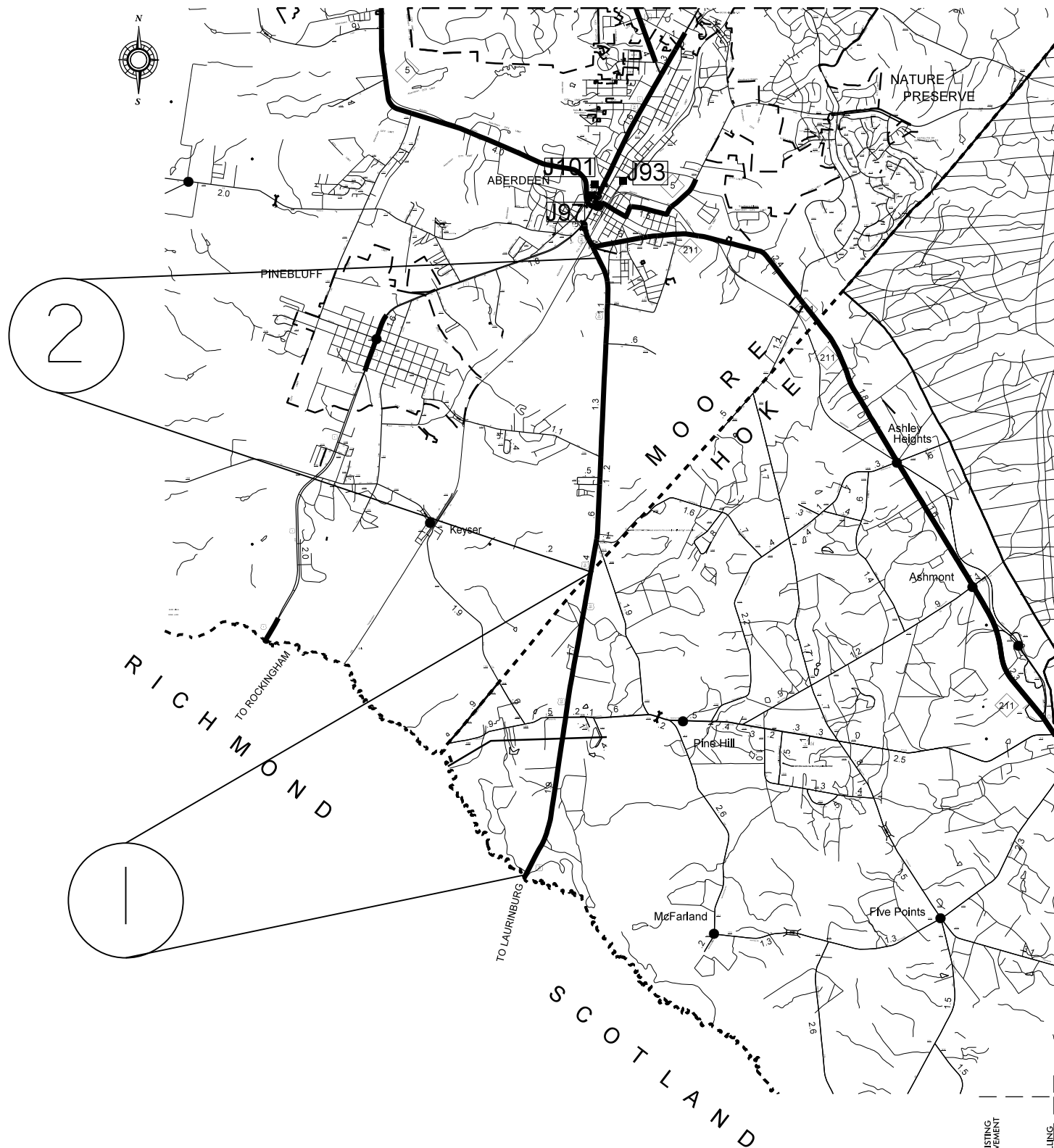


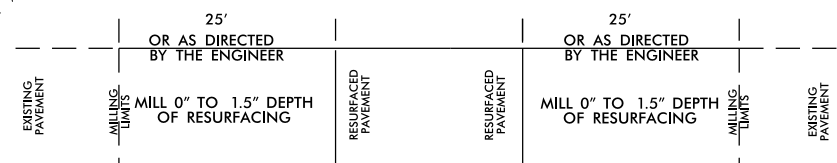
RESURFACING DETAILS



TYPICAL SECTION NO. 1

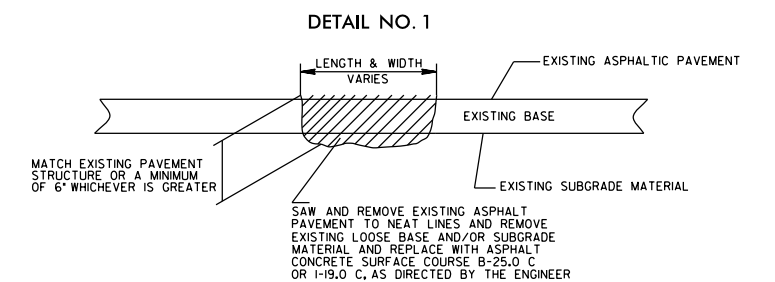
PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
M1	MILLED RUMBLE STRIP (EDGE LINE, SEE SHEET 2)
M2	MILLED RUMBLE STRIP (CENTERLINE, SEE SHEET 2)
AS	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
VI	1.5" MILLING

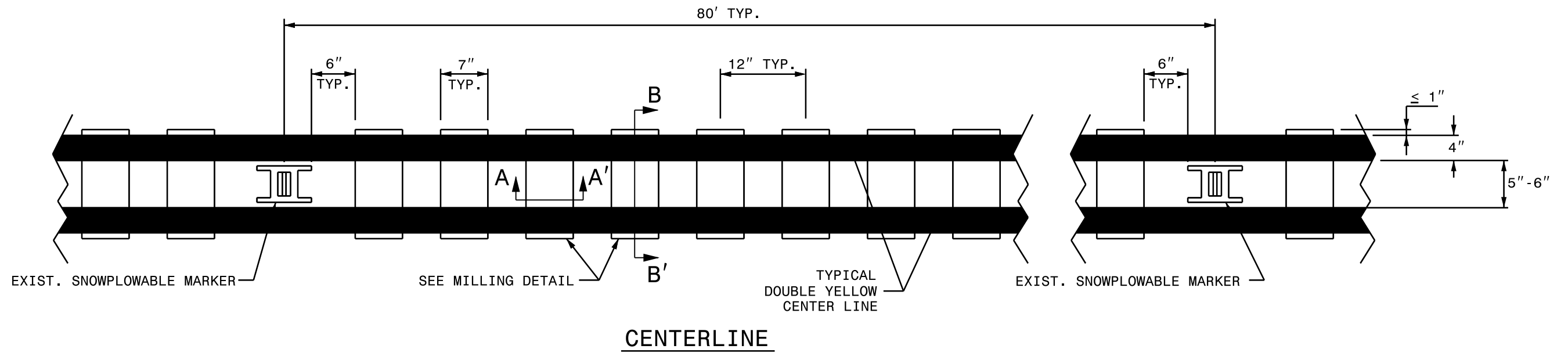


PAVEMENT TIE-IN DETAIL

DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING



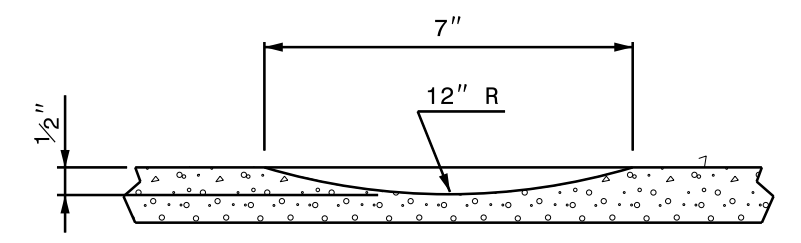
** MILLING TO BE PAID FOR AS INCIDENTAL MILLING



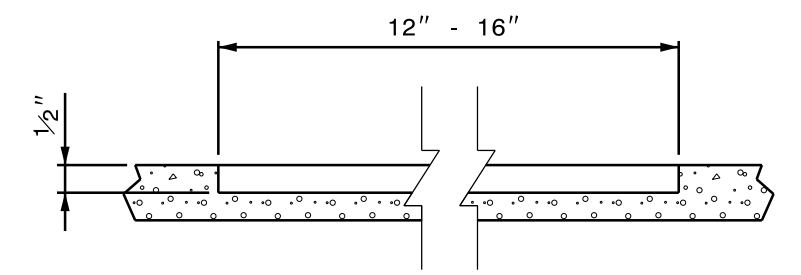
NOTES:

- 1) THERE WILL BE NO CENTERLINE RUMBLE STRIPS OR RUMBLE STRIPES ON 3-LANE SECTIONS.
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 3) NEW SNOWPLOWABLE MARKERS SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

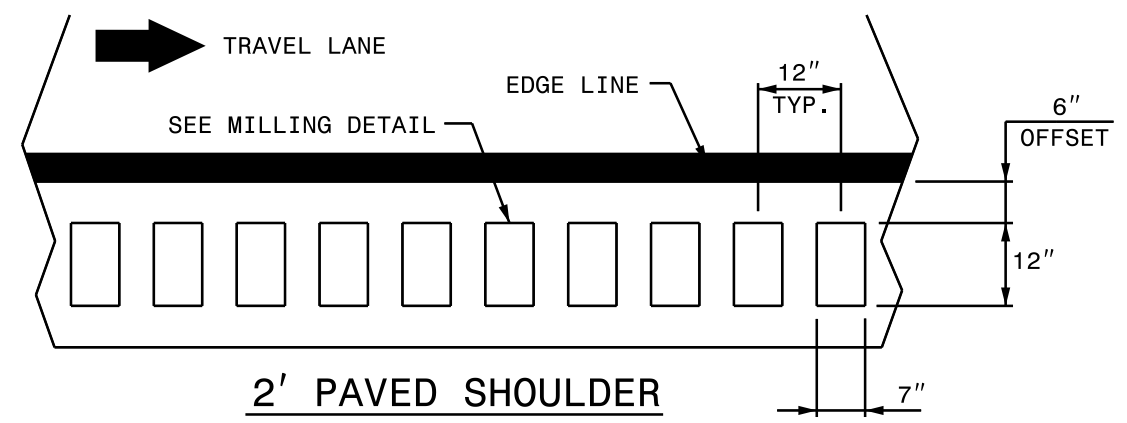
MILLING DETAIL



SECTION A-A'



SECTION B-B'

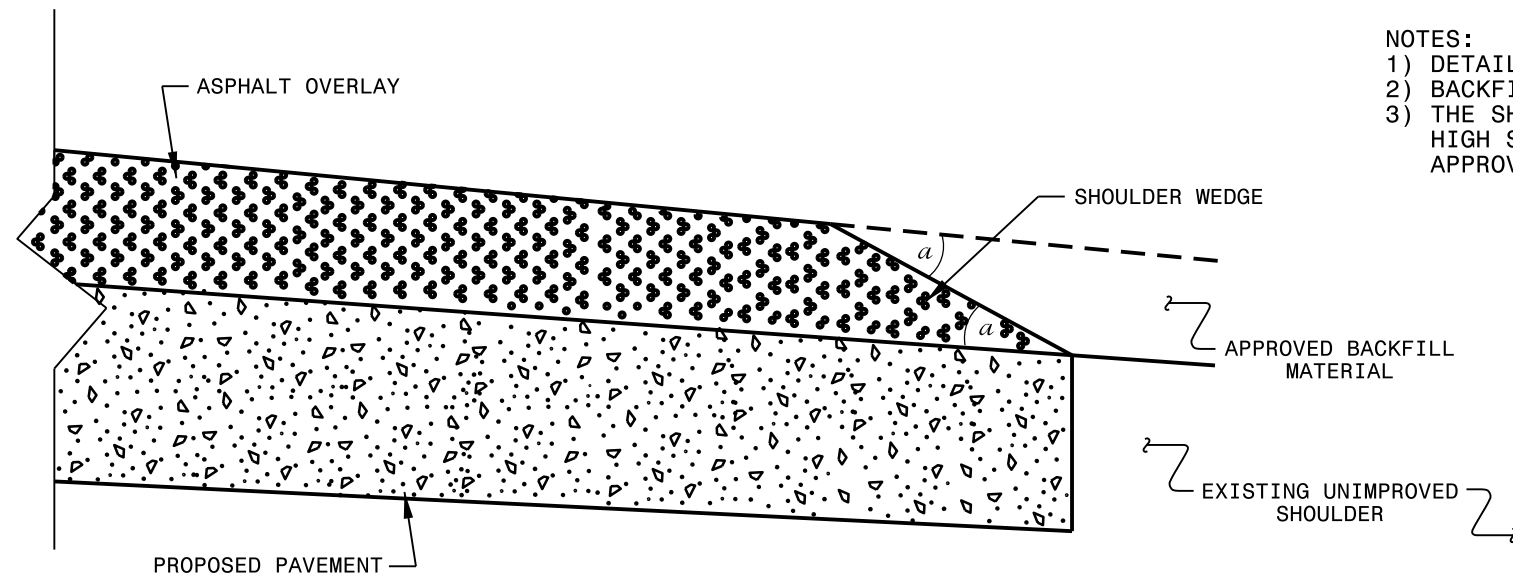


MILLED RUMBLE STRIPS		REVISIONS
SCALE: NONE		
DATE: 09-20		
DWG. BY: DDC		
DESIGN BY: DDC		
REVIEWED BY: GSD		

30-SEP-2020 12:31
 J:\DDC\Resurfacing\Resurfacing\2020 Resurfacing\Hoke-Moore_Dec2020\RumbleStripDetail.dgn
 AT: D:\8-3036051
 mericketts

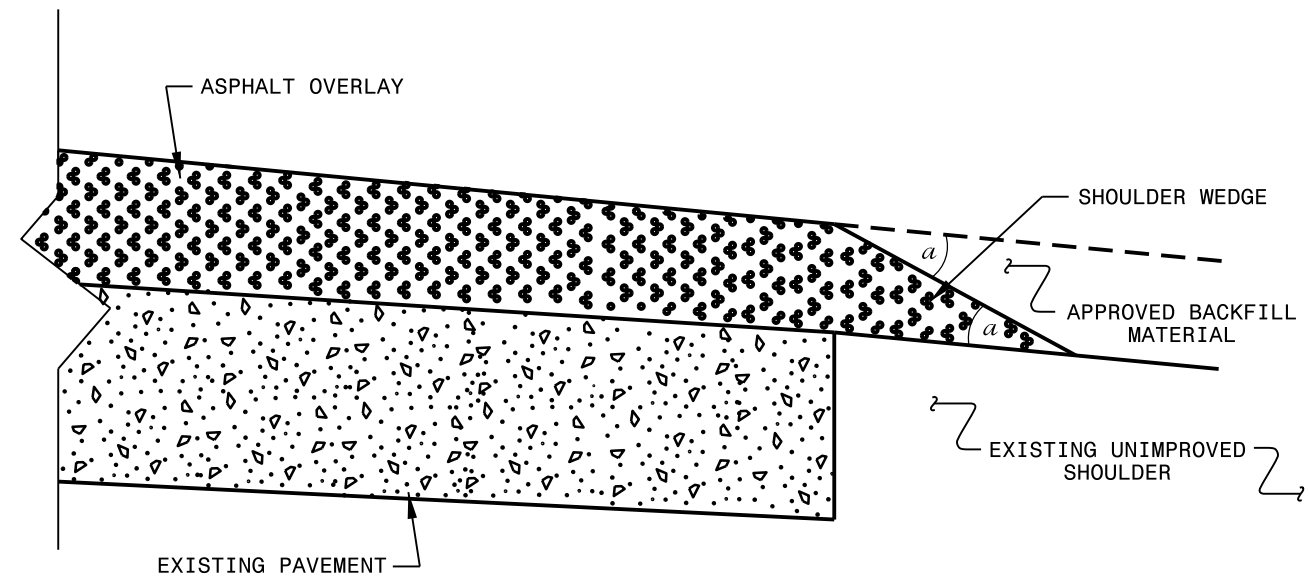
NOTES:

- 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, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



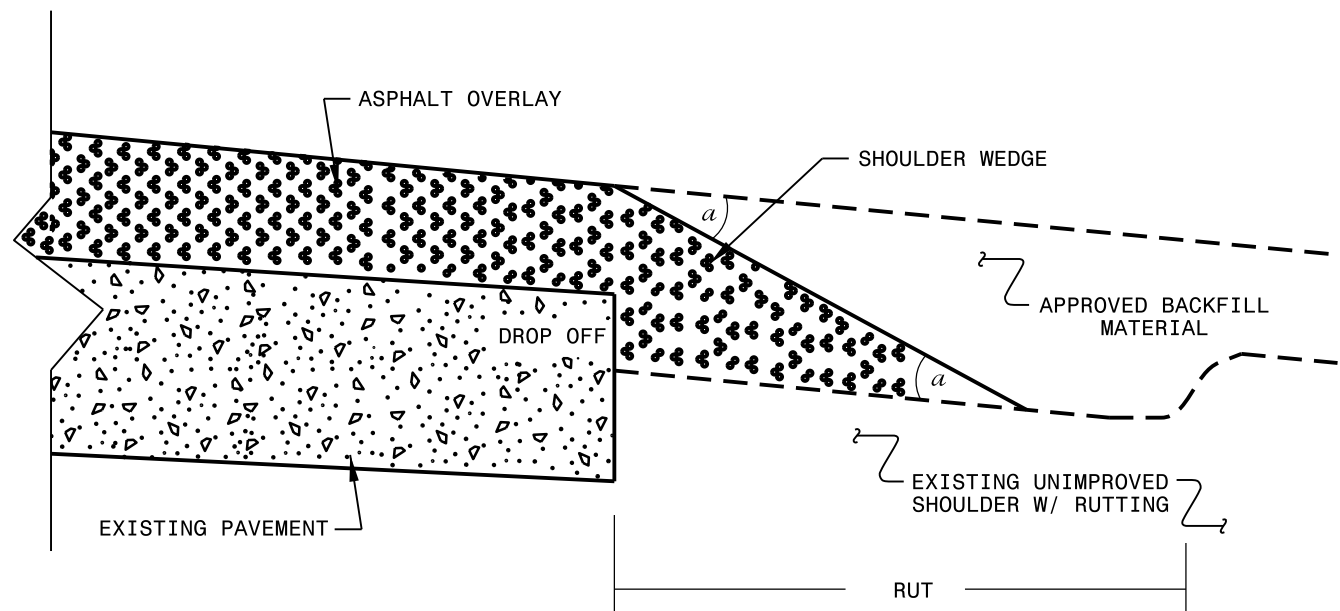
SHOULDER WEDGE DETAIL

(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°

CONTRACT STANDARDS AND DEVELOPMENT UNIT		
Office 919-707-6950 FAX 919-250-4119		
SHOULDER WEDGE DETAILS		
ORIGINAL BY: T.SPELL	DATE: 7-19-11	
MODIFIED BY:	DATE: 2/2/16	
CHECKED BY:	DATE:	
FILE SPEC.: szusr/details/stand/shoulderwedgedetail.dgn		

PROJECT NO.	SHEET NO.	TOTAL NO.
2021CPT.08.03.10471, etc	4	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	SH. RECON.	ASB	1.5" MILLING	INC. MILLING	S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	VACUUM TRUCK	MILLED RUMBLE STRIPS
										MI	FT	SMI	TON	SY	SY	TONS	TONS	TONS	WK	LF
2021CPT.08.03.10471	Hoke	1	US 15-501	FROM MOORE CO LINE TO SCOTLAND CO. LINE	1	2	2WU	NO	NO	3.475	28.5	6.95	940	58,885	500	5,440	326	195	2	52,615
TOTAL FOR PROJ NO. 2021CPT.08.03.10471										3.475		6.95	940	58,885	500	5,440	326	195	2	52,615
2021CPT.08.04.10631	Moore	2	US 15-501	FROM C.J. S. OF NC HWY 211 TO HOKE CO.	1	2	2WU	NO	NO	3.476	29	5.62	787	51,357	1,170	6,205	372	210	2	39,722
TOTAL FOR PROJ NO. 2021CPT.08.04.10631										3.476		5.62	787	51,357	1,170	6,205	372	210	2	39,722
GRAND TOTAL										6.951		12.57	1,727	110,242	1,670	11,645	698	405	4	92,337

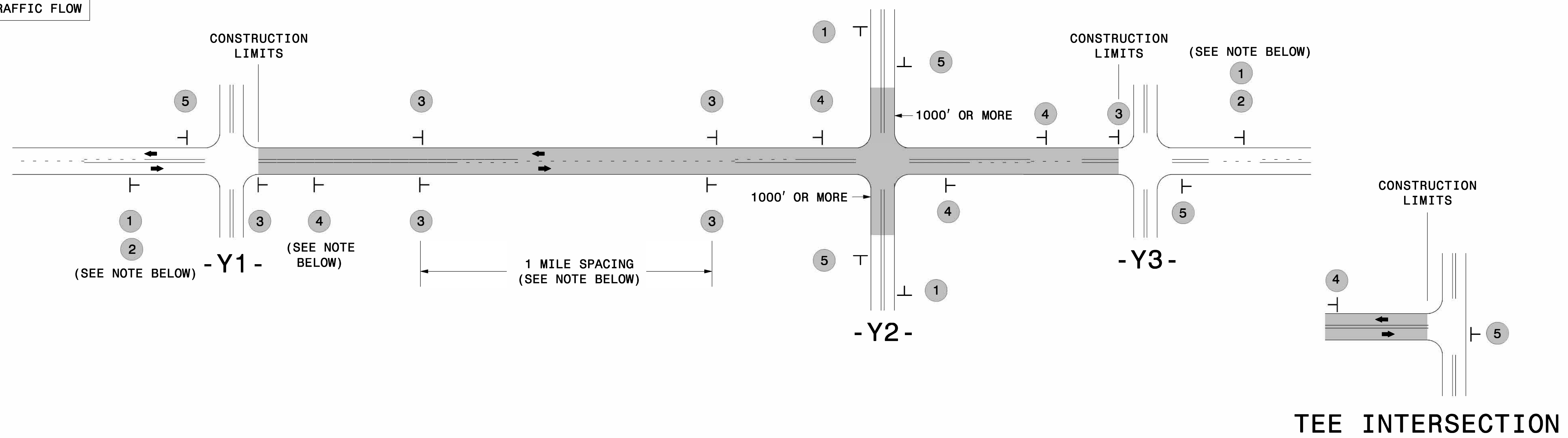
THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	445700000	4685000000-E	468700000	470000000	4720000000-E			4725000000-E						
										WZ ADV./ GEN. WARN. SIGNING	TEMP. TRAF. CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	4" X 240 M WHITE THERMO	12" X 90 M YELLOW THERMO	THERMO MSG STOP 90 M	THERMO MSG AHEAD 90 M	THERMO MSG SCHOOL 90 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M	THERMO LT & RT ARROW 90 M		
										SF	LS	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA		
2021CPT.08.03.10471	Hoke	1	US 15-501	FROM MOORE CO LINE TO SCOTLAND CO. LINE	1	2	2WU	3.475	28.5	389	*	36,780	20,755	850		8	10							
TOTAL FOR PROJ NO. 2021CPT.08.03.10471										3.475		389	*	36,780	20,755	850		8	10					
												57,535				18								
2021CPT.08.04.10631	Moore	2	US 15-501	FROM C.J. S. OF NC HWY 211 TO HOKE CO.	1	2	2WU	3.476	29	389	*	37,920	30,480		330			12	17	4	10	1		
TOTAL FOR PROJ NO. 2021CPT.08.04.10631										3.476		389	*	37,920	30,480		330		12	17	4	10	1	
												68,400				12			32					
GRAND TOTAL										6.951		778	1	74,700	51,235	850	330	8	10	12	17	4	10	1
												125,935				30			32					

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4810000000-E		482500000	483500000	4840000000-N		4845000000-N				4891000000	4905000000-N			
										4" WHITE PAINT	4" YELLOW PAINT	12" YELLOW PAINT	24" WHITE PAINT	PAINT MSG AHEAD	PAINT MSG STOP	PAINT LT ARROW	PAINT RT ARROW	PAINT STR ARROW	PAINT LT & RT ARROW	24" X 90 M WHITE THERMO	SNOW PLOWABLE MARKERS Y & Y MARKERS	SNOW PLOWABLE MARKERS C & R MARKERS		
										LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	LF	EA	EA		
2021CPT.08.03.10471	Hoke	1	US 15-501	FROM MOORE CO LINE TO SCOTLAND CO. LINE	1	2	2WU	3.475	28.5	36,780	20,755		75	10	8					75	218			
TOTAL FOR PROJ NO. 2021CPT.08.03.10471										3.475		36,780	20,755		75	10	8			75	218			
												57,535				18				75	218			
2021CPT.08.04.10631	Moore	2	US 15-501	FROM C.J. S. OF NC HWY 211 TO HOKE CO.	1	2	2WU	3.476	29	37,920	30,480	330	144			17	4	10	1	144	309	50		
TOTAL FOR PROJ NO. 2021CPT.08.04.10631										3.476		37,920	30,480	330	144			17	4	10	1	144	309	50
												68,400				32				144	309	50		
GRAND TOTAL										6.951		74,700	51,235	330	219	10	8	17	4	10	1	219	527	50
												125,935				18			32			577		

SIGNING FOR RESURFACING PROJECTS

LEGEND
 ┆ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

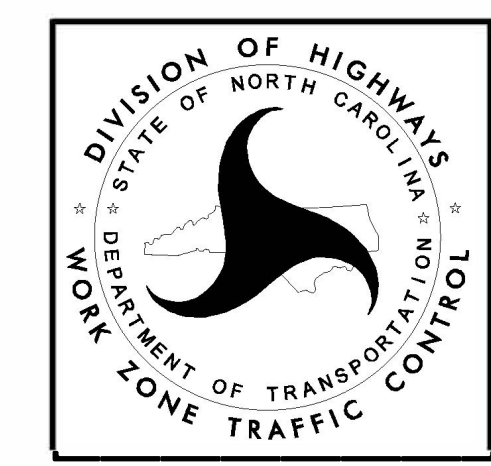
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	1		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS DEAD END ROADS <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> W20-1 48" X 48" PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;"> W20-7 A 48" X 48" PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
	2		#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)	
	3		- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.	
	4		- 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. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.	
	5		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.	

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

5/15/2017 S:\TMD\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn User:kddis