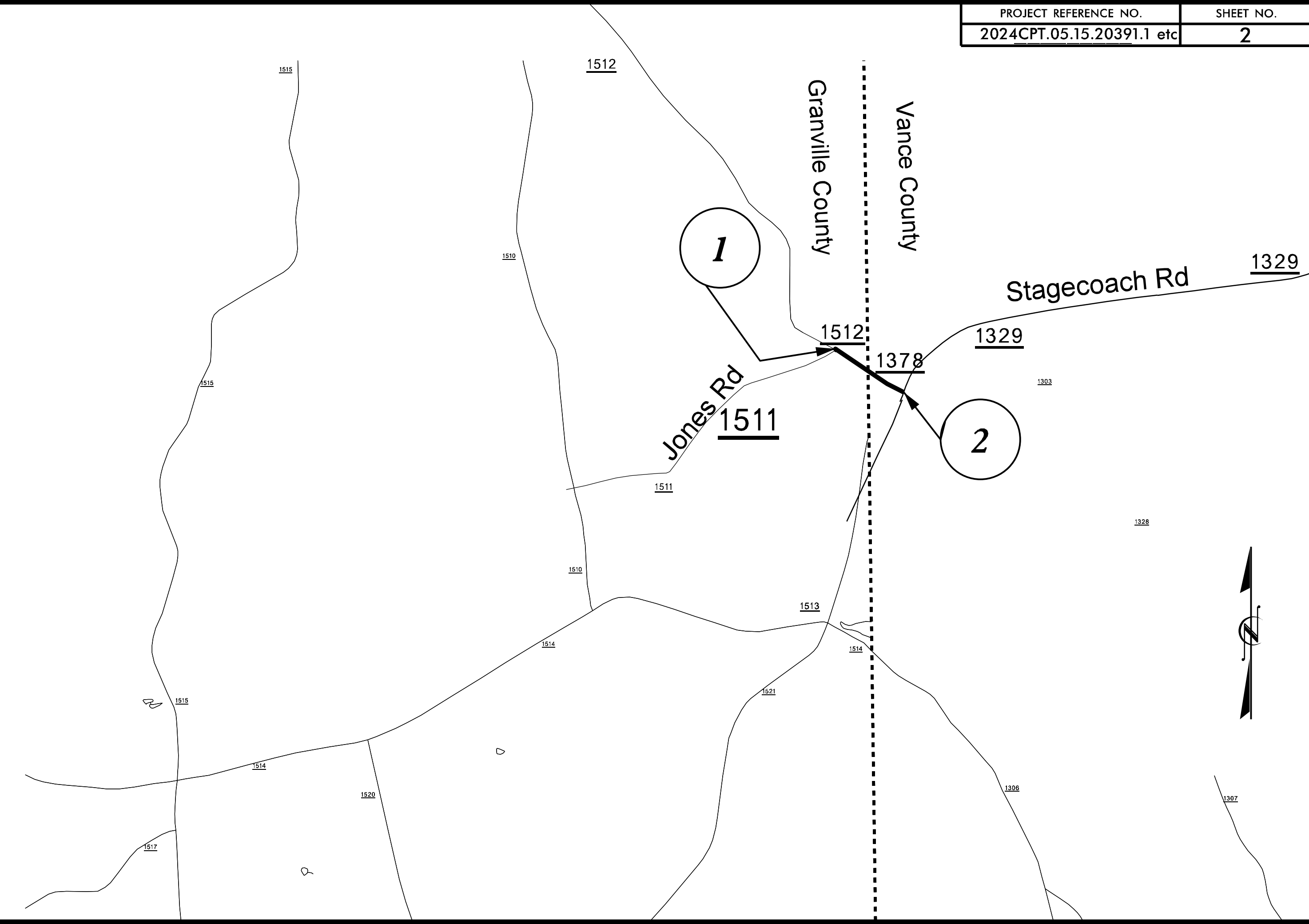
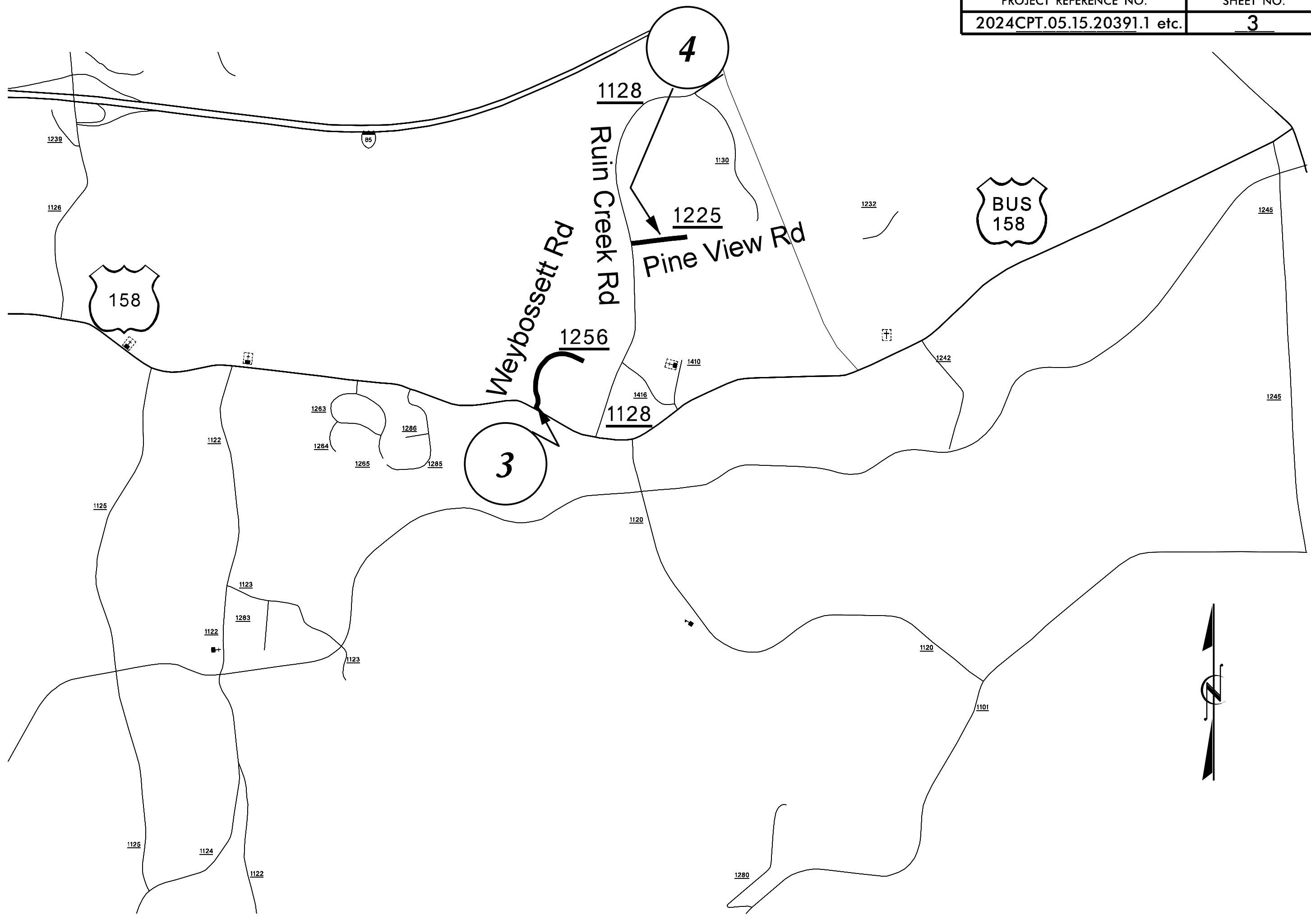


5/14/25
 SYSTEMS DESIGN & CONSTRUCTION
 11111 WILSON ROAD
 SUITE 100
 RICHMOND, VA 23234
 (804) 771-1111
 WWW.SDCVA.COM

5/14/24
SYSTEMS
LAWSON



5/14/23



1125 1124 1122 1123 1283 1123 1122 1283 1123 1125 1124 1122 1125 1126 1128 1225 1232 1239 1242 1245 1256 1263 1264 1265 1280 1285 1286 1410 1416 1120 1120 1101 1280

PAVEMENT SCHEDULE

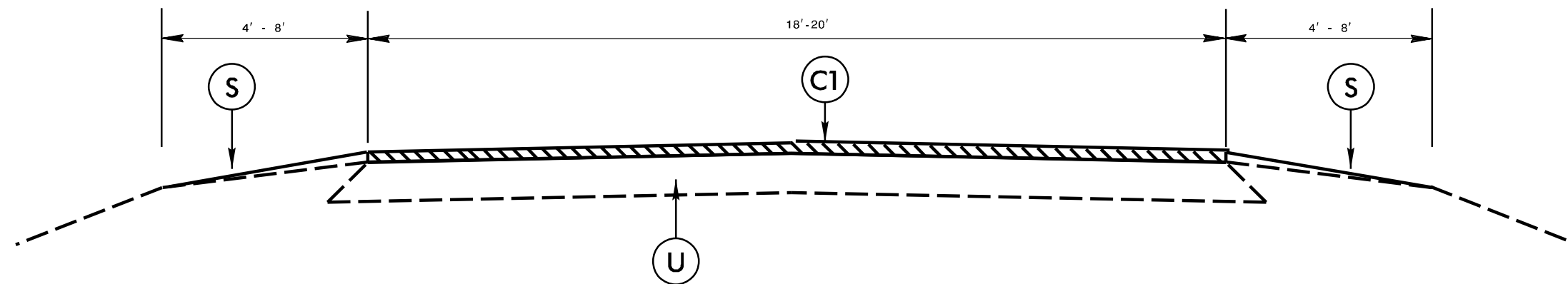
PROJECT REFERENCE NO.

SHEET NO.

2024CPT.05.15.20911.1 etc.

4

C1	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
S	SHOULDER RECONSTRUCTION, ASB REQUIRED
U	EXISTING PAVEMENT



Typical 1

PAVEMENT SCHEDULE

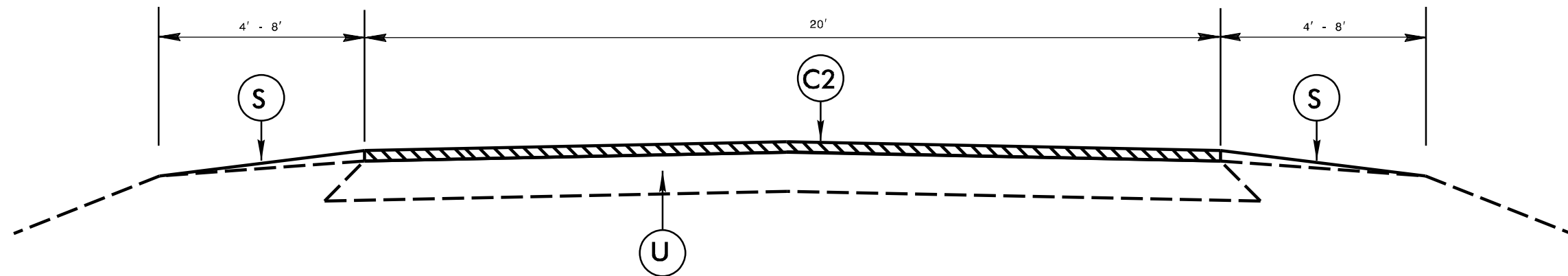
PROJECT REFERENCE NO.

SHEET NO.

2024CPT.05.15.20911.1 etc.

5

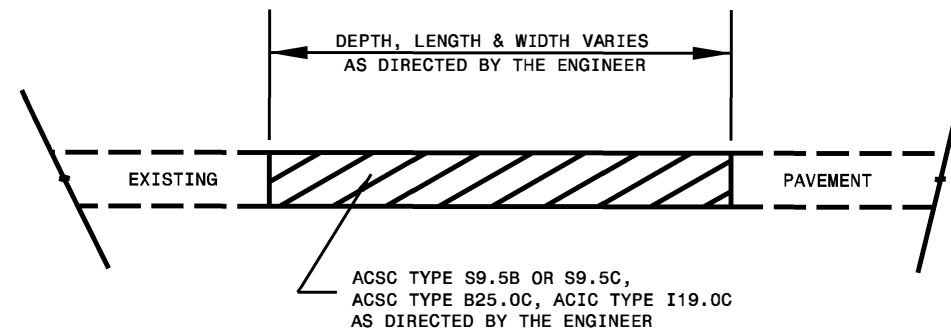
C1	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
S	SHOULDER RECONSTRUCTION, ASB REQUIRED
U	EXISTING PAVEMENT



Typical 2

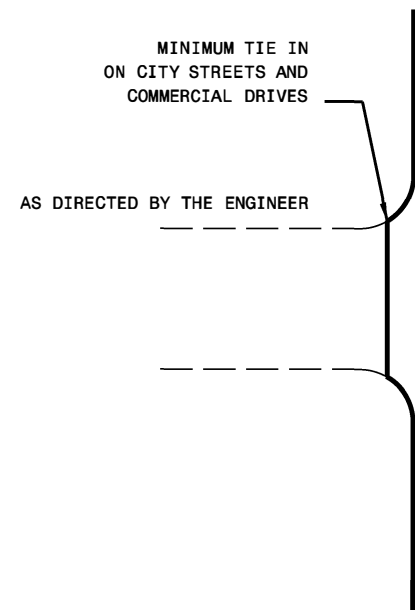
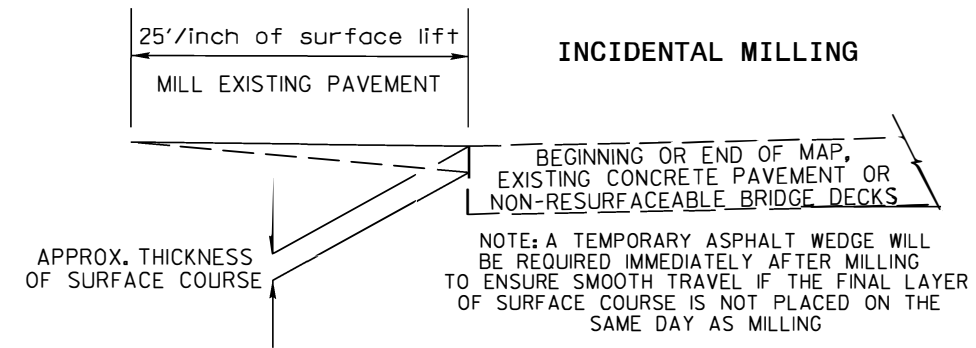
NOTES

ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT
ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.

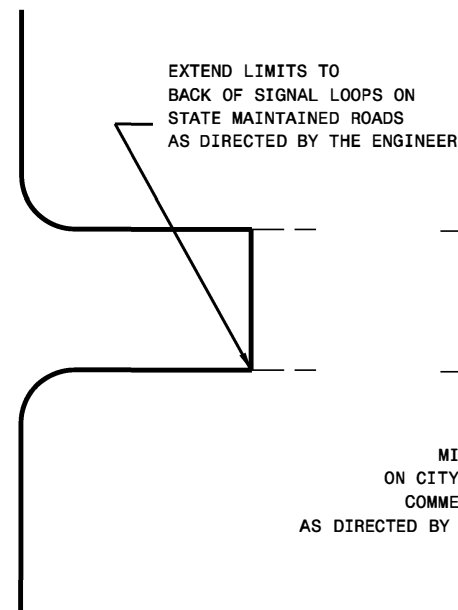


PATCHING EXISTING PAVEMENT

MILLING TO BE PERFORMED PRIOR TO PATCHING



DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



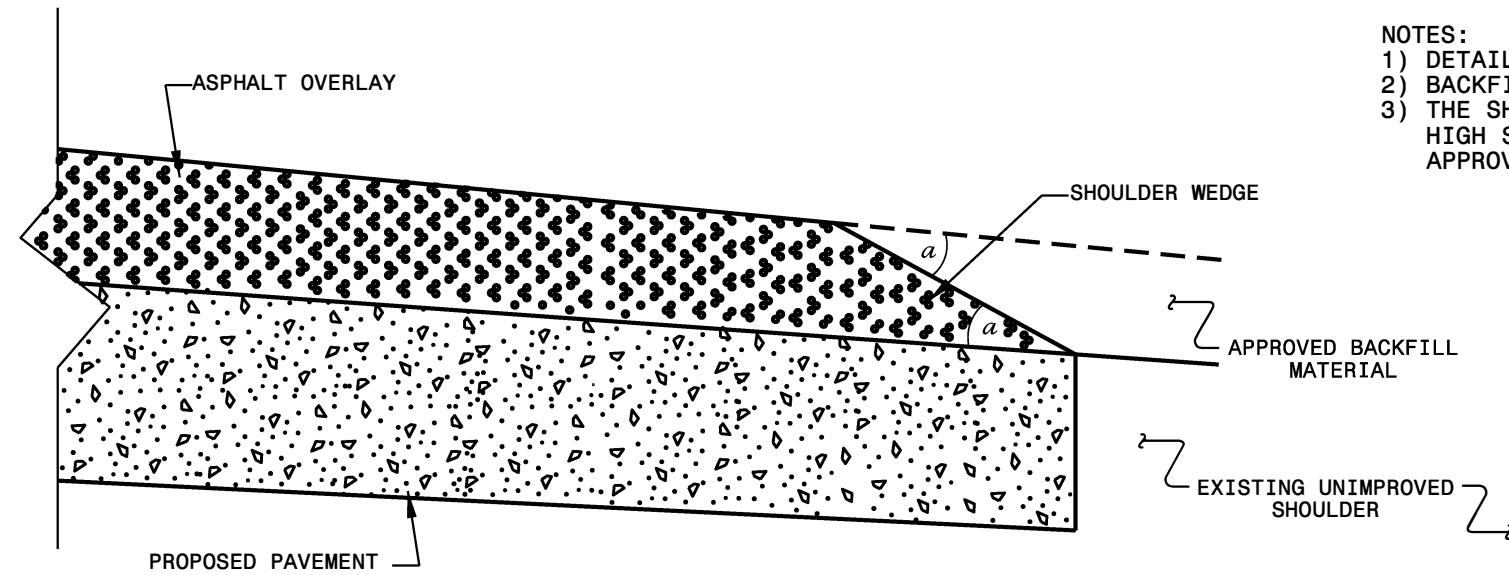
DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

MINIMUM TIE IN ON CITY STREETS AND COMMERCIAL DRIVES AS DIRECTED BY THE ENGINEER

EXTEND LIMITS TO BACK OF RADIUS ON STATE MAINTAINED ROADS AS DIRECTED BY THE ENGINEER

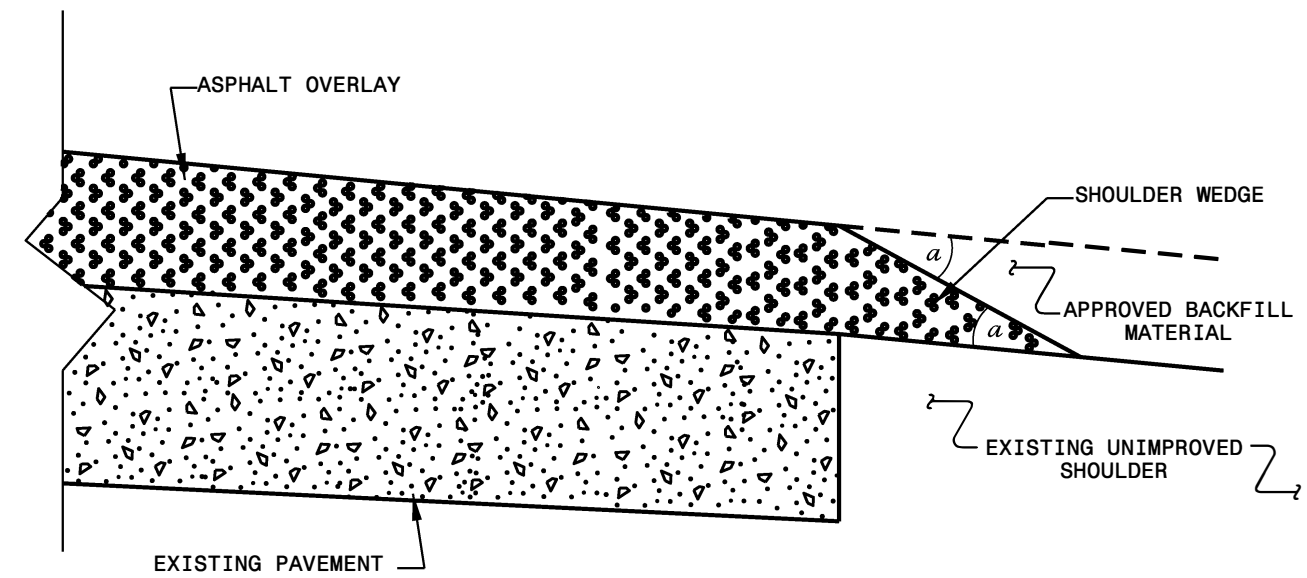
NOTES:

- 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.



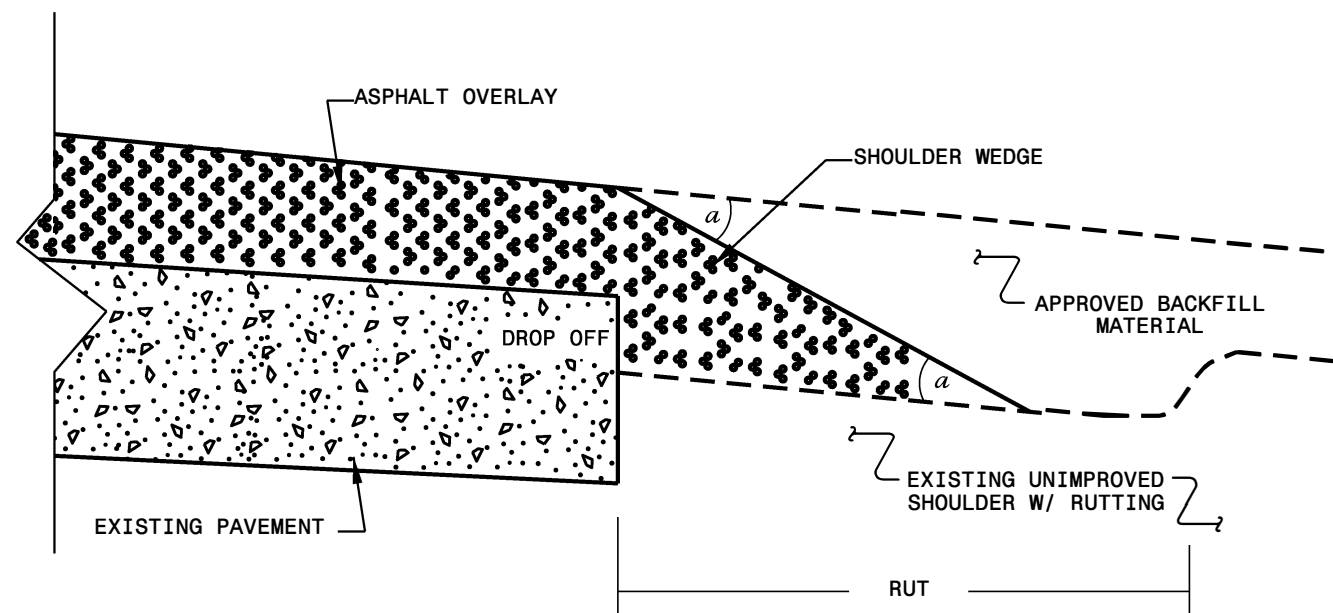
SHOULDER WEDGE DETAIL

(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.: s:\usr\details\stand\shoulderwedgedetail.dgn	

22-JAN-2018 09:41
 S:\Contractors\Projects\Resurfacing Projects\Division 4\1-5937 Wilson March 2018\Revised Shoulder Wedge Detail.dgn
 PJBoorler AT CSD-292592

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.05.15.20391.1,etc	8	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1220000000-E	1245000000-E	1260000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E
											INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT
									MI	FT	TONS	SMI	TON	SY	TONS	TON	TONS
2024CPT.05.15.20391.1	Granville	1	SR-1512 / JONES RD	FROM VANCE COUNTY TO SR 1511	2	2	NO	NO	0.064	20	3	0.13	12		65	5	10
TOTAL FOR PROJ NO. 2024CPT.05.15.20391.1									0.064		3	0.13	12		65	5	10
2024CPT.05.15.20911.1	Vance	2	SR-1378 / JONES RD	FROM SR 1329 TO GRANVILLE COUNTY	2	2	NO	NO	0.101	20	5	0.20	19	132	103	7	10
2024CPT.05.15.20911.1	Vance	3	SR-1256 / WEYBOSSETT RD	FROM US 158 BUS TO DEAD END	1	2	NO	NO	0.329	20	16	0.66	61	194	298	26	134
2024CPT.05.15.20911.1	Vance	4	SR-1225 / PINE VIEW RD	FROM SR 1128 TO DEAD END	1	2	NO	NO	0.191	20	10	0.38	36	106	163	14	69
2024CPT.05.15.20911.1	Vance	5	SR-1303 / HICKSBORO RD	FROM SR 1326 TO SR 1342	1	2	NO	NO	10.389	20	520	20.78	1,920	2,054	8,900	586	156
TOTAL FOR PROJ NO. 2024CPT.05.15.20911.1									11.01		551	22.02	2,036	2,486	9,464	633	369
GRAND TOTAL									11.074		554	22.15	2,048	2,486	9,529	638	379

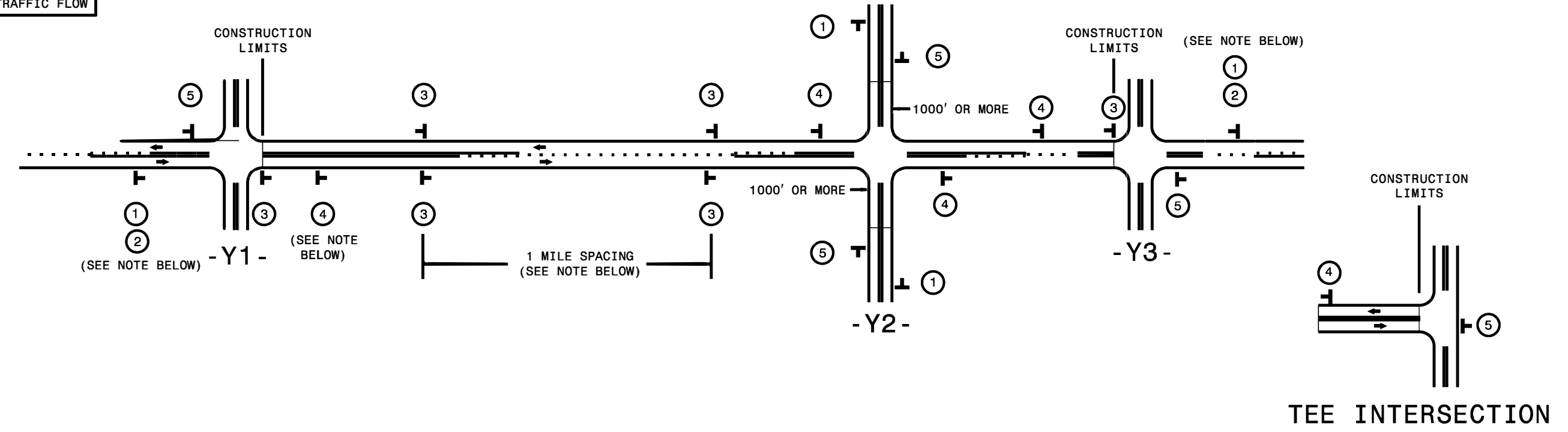
PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.05.15.20391.1, etc	9	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E		4709000000-E	4720000000-E	
									WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	24" X 90 M WHITE THERMO	THERMO MSG STOP 90 M	THERMO MSG AHEAD 90 M
							MI	FT	SF	LS	LF	LF	LF	EA	EA
2024CPT.05.15.20391.1	Granville	1	SR-1512 / JONES RD	FROM VANCE COUNTY TO SR 1511	2	2	0.064	20	7	*					
TOTAL FOR PROJ NO. 2024CPT.05.15.20391.1							0.064		7	1.00					
2024CPT.05.15.20911.1	Vance	2	SR-1378 / JONES RD	FROM SR 1329 TO GRANVILLE COUNTY	2	2	0.101	20	126	*					
2024CPT.05.15.20911.1	Vance	3	SR-1256 / WEYBOSSETT RD	FROM US 158 BUS TO DEAD END	1	2	0.329	20	37						
2024CPT.05.15.20911.1	Vance	4	SR-1225 / PINE VIEW RD	FROM SR 1128 TO DEAD END	1	2	0.191	20	21						
2024CPT.05.15.20911.1	Vance	5	SR-1303 / HICKSBORO RD	FROM SR 1326 TO SR 1342	1	2	10.389	20	1,164		111,786	109,708	42	16	10
TOTAL FOR PROJ NO. 2024CPT.05.15.20911.1							11.01		1,348	1.000	111,786	109,708	42	16	10
											221,494		26		
GRAND TOTAL							11.074		1,355	1.000	111,786	109,708	42	16	10
											221,494		26		







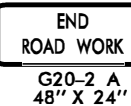
SIGNING FOR RESURFACING PROJECTS

LEGEND
 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

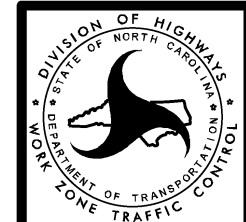
-Y- LINE SIGNING

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

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$SDCN\$\$\$
 \$\$\$USERNAME\$\$\$