

VIRGINIA
NORTH CAROLINA

PROJECT REFERENCE NO.
2023CPT.05.05.20731.1

SHEET NO.
1



1

1326

#197

Wooddale
Rd.

2

1326

501

501

1512

49

501

2024

PERSON RESURFACING

49

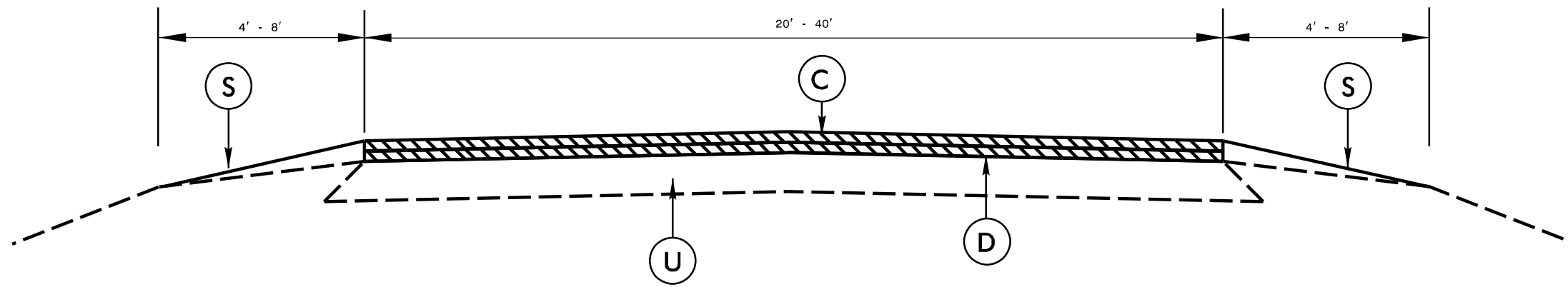
5/14/23
C:\PROJECTS\2023\2023CPT.05.05.20731.1\DWG\2023CPT.05.05.20731.1_SHEET1.DWG

PAVEMENT SCHEDULE

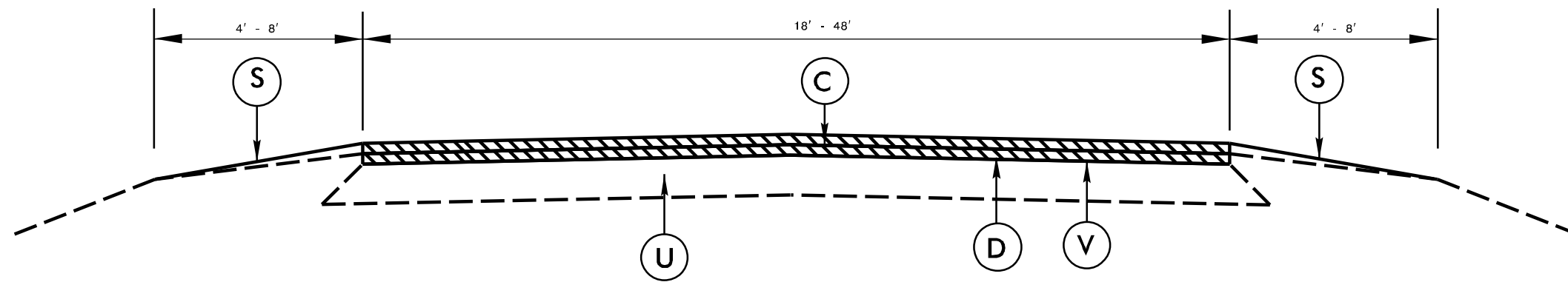
PROJECT REFERENCE NO.
2023CPT.05.05.20731.1

SHEET NO.
2

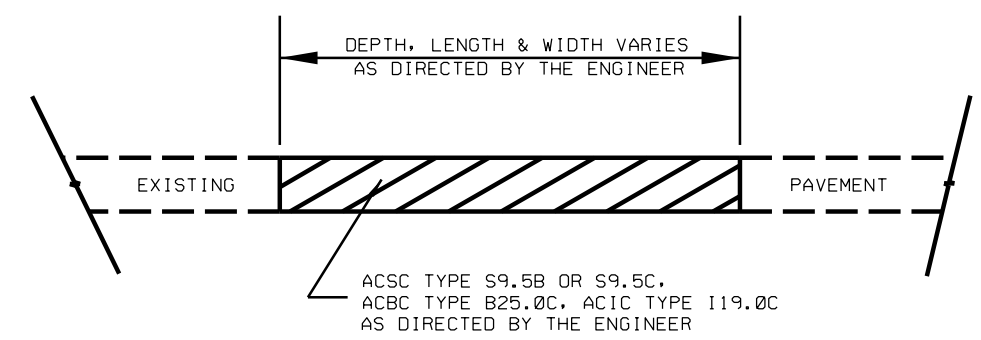
C	1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
D	2.5" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 119.0C AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
S	SHOULDER GRADING, ASB REQUIRED
U	EXISTING PAVEMENT
V	MILL ASPHALT PAVEMENT, 2.5" DEPTH



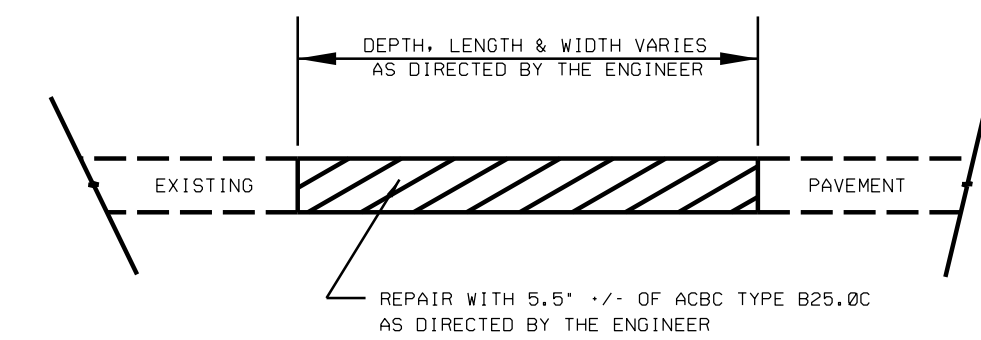
TYPICAL 1



TYPICAL 2



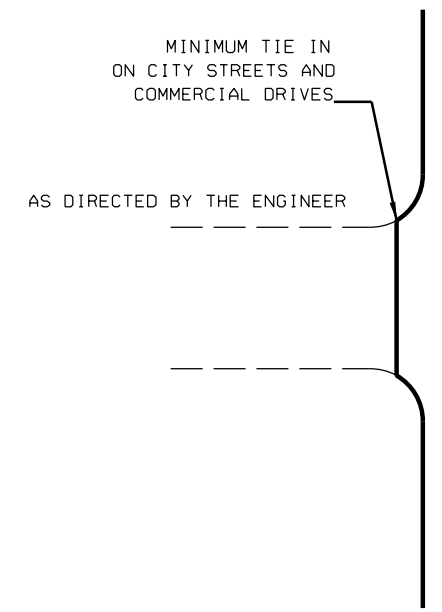
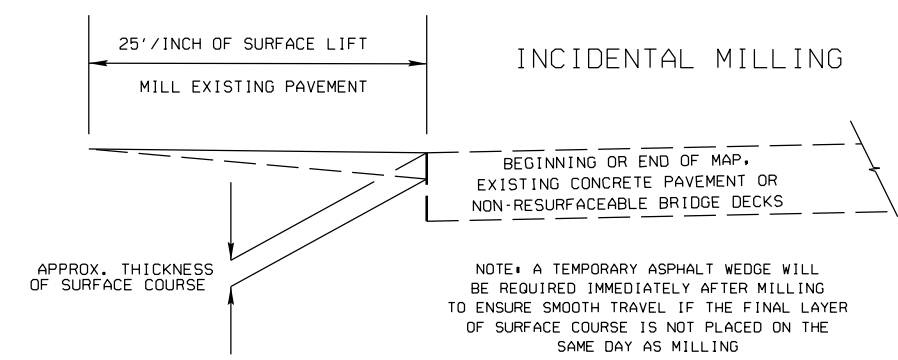
PATCHING EXISTING PAVEMENT
MILLING TO BE PERFORMED PRIOR TO PATCHING



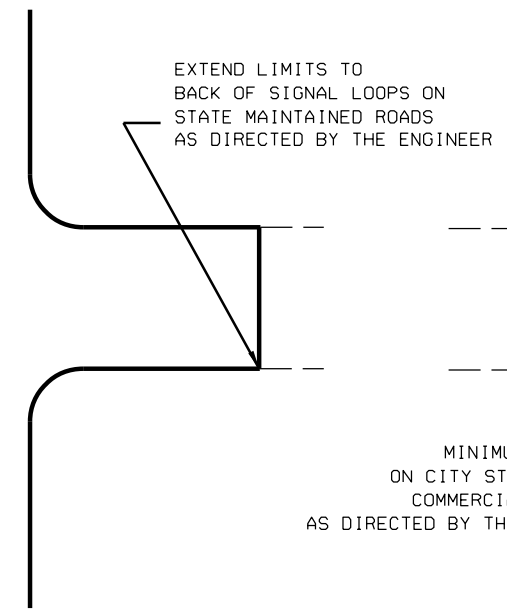
ISLAND REMOVAL REPAIR

NOTES

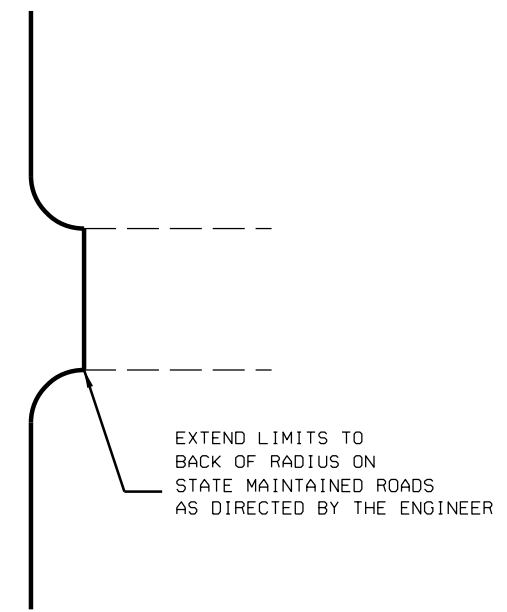
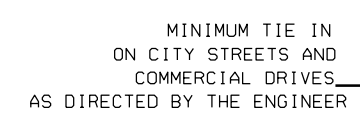
ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT
 ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII, OR AS DIRECTED BY THE ENGINEER.
 EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
 BRIDGES TO BE RESURFACED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



DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES

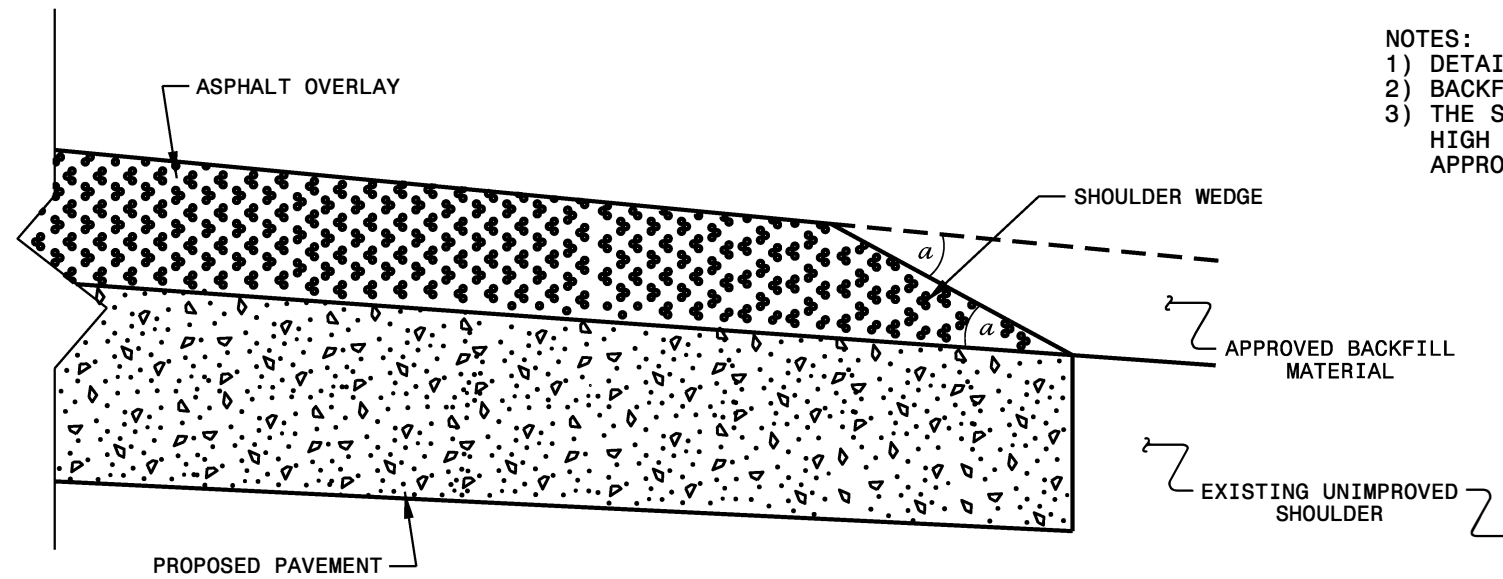


DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES



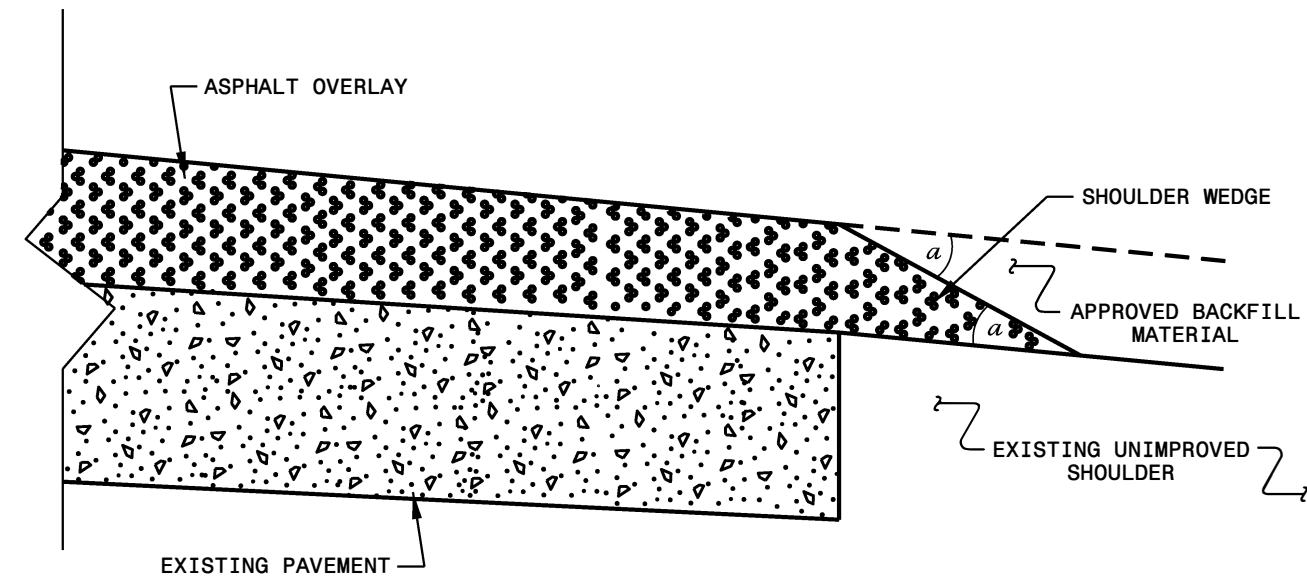
NOTES:

- 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.



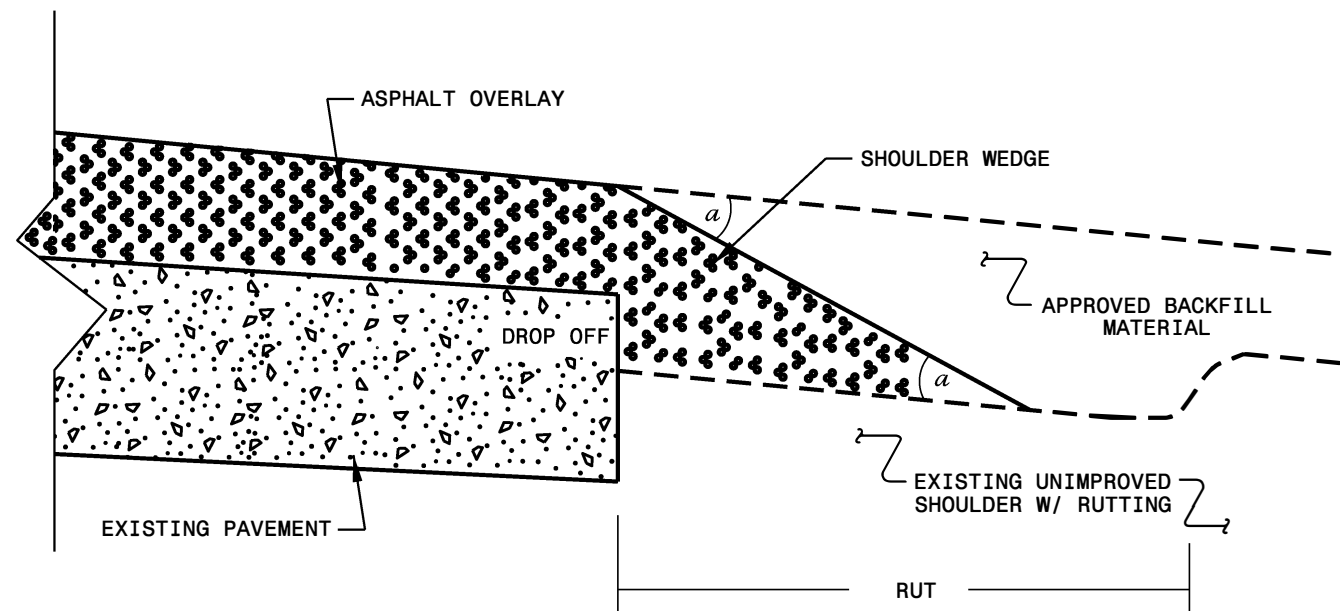
SHOULDER WEDGE DETAIL

(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	

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.05.05.20731.1	5	

SUMMARY OF QUANTITIES

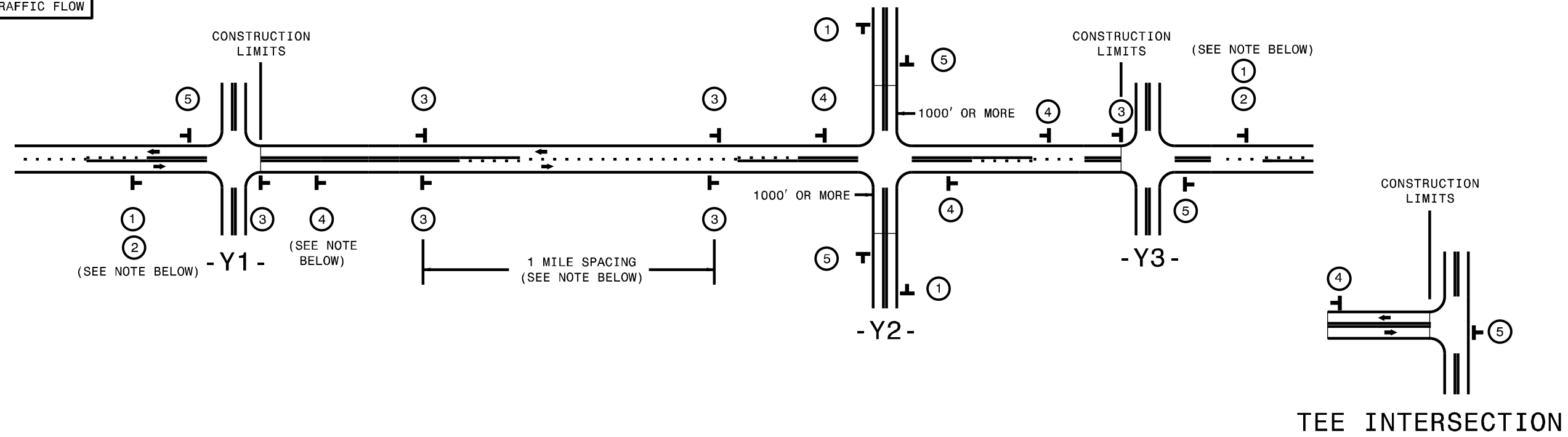
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	0264000000-E	1220000000-E	1260000000-E	1297000000-E	1330000000-E	1491000000-E	1503000000-E	1519000000-E	1575000000-E	1704000000-E	2738000000-E	4116100000-N
											SHOULDER GRADING	INCIDENTAL STONE BASE	AGGREGATE SHOULDER BORROW	2½" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	INTERMEDIATE COURSE, I19.0C	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	GENERIC PAVING ITEM REMOVE AND REPLACE 5" MONOLITHIC CONCRETE ISLAND (KEYED IN)	SIGN ERECTION, RELOCATE, TYPE **** (GROUND MOUNTED) (E)
									MI	FT	SMI	TONS	TON	SY	SY	TONS	TONS	TONS	TON	TONS	SY	EA
2023CPT.05.05.20731.1	Person	1	SR 1326 - WOODSDALE RD	VIRGINIA STATE LINE TO RR BRIDGE	1	2	NO	NO	1.45	20	2.90	73	714		306		2,572	1,483	224	31		
2023CPT.05.05.20731.1	Person	2	SR 1326 - WOODSDALE RD	RR BRIDGE TO SR 1605 - BOSTON RD	2	2	NO	NO	5.86	23	11.72	293	1,083	79,852	1,000	43	12,205	7,041	1,060		25	2
TOTAL FOR PROJ NO. 2023CPT.05.05.20731.1									7.31		14.62	366	1,797	79,852	1,306	43	14,777	8,524	1,284	31	25	2
GRAND TOTAL									7.31		14.62	366	1,797	79,852	1,306	43	14,777	8,524	1,284	31	25	2

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	413000000	57000000	4685000000-E		4709000000-E	4725000000-E		4810000000-E		4850000000-E	4890000000-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 LT ARROW 90 M	THERMO RT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	4" LINE REMOVAL	GENERIC MARKING ITEM HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 55 MIL		
									MI	FT	SF	LS	LF	LF	LF	EA	EA	LF	LF	LF	LF
2023CPT.05.05.20731.1	Person	1	SR 1326 - WOODSDALE RD	VIRGINIA STATE LINE TO RR BRIDGE	1	2	1.45	20	163	0.21	15,602	15,312				15,602	15,312	500	500		
2023CPT.05.05.20731.1	Person	2	SR 1326 - WOODSDALE RD	RR BRIDGE TO SR 1605 - BOSTON RD	2	2	5.86	23	657	0.79	63,054	60,699	67	1	1	63,054	60,699				
TOTAL FOR PROJ NO. 2023CPT.05.05.20731.1									7.31		820	1.00	78,656	76,011	67	1	1	78,656	76,011	500	500
GRAND TOTAL									7.31		820	1.00	78,656	76,011	67	1	1	78,656	76,011	500	500







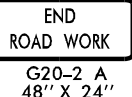
SIGNING FOR RESURFACING PROJECTS

LEGEND
 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	①	 W20-1 48" X 48"	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"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) 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	 W7-3aP 24" X 18"	#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	 SP 13107 48" X 48"	<ul style="list-style-type: none"> - 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	 SP 13106 48" X 48"	<ul style="list-style-type: none"> - 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	 G20-2 A 48" X 24"	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\$\$\$\$\$
 \$\$\$DCON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

PAVEMENT MARKING SCHEDULE		
T2	WHITE SOLID LANE LINE (4", 90 MILS)	34 LF
T4	3FT - 9FT/ SP WHITE MINISKIP (4", 90 MILS)	23 LF
T13	YELLOW DOUBLE CENTER (4", 90 MILS)	121 LF
T61	WHITE STOPBAR (24", 90 MILS)	70 LF
T70	LEFT TURN ARROW (90 MILS)	1 EA
T71	RIGHT TURN ARROW (90 MILS)	1 EA

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS & WORD MESSAGES

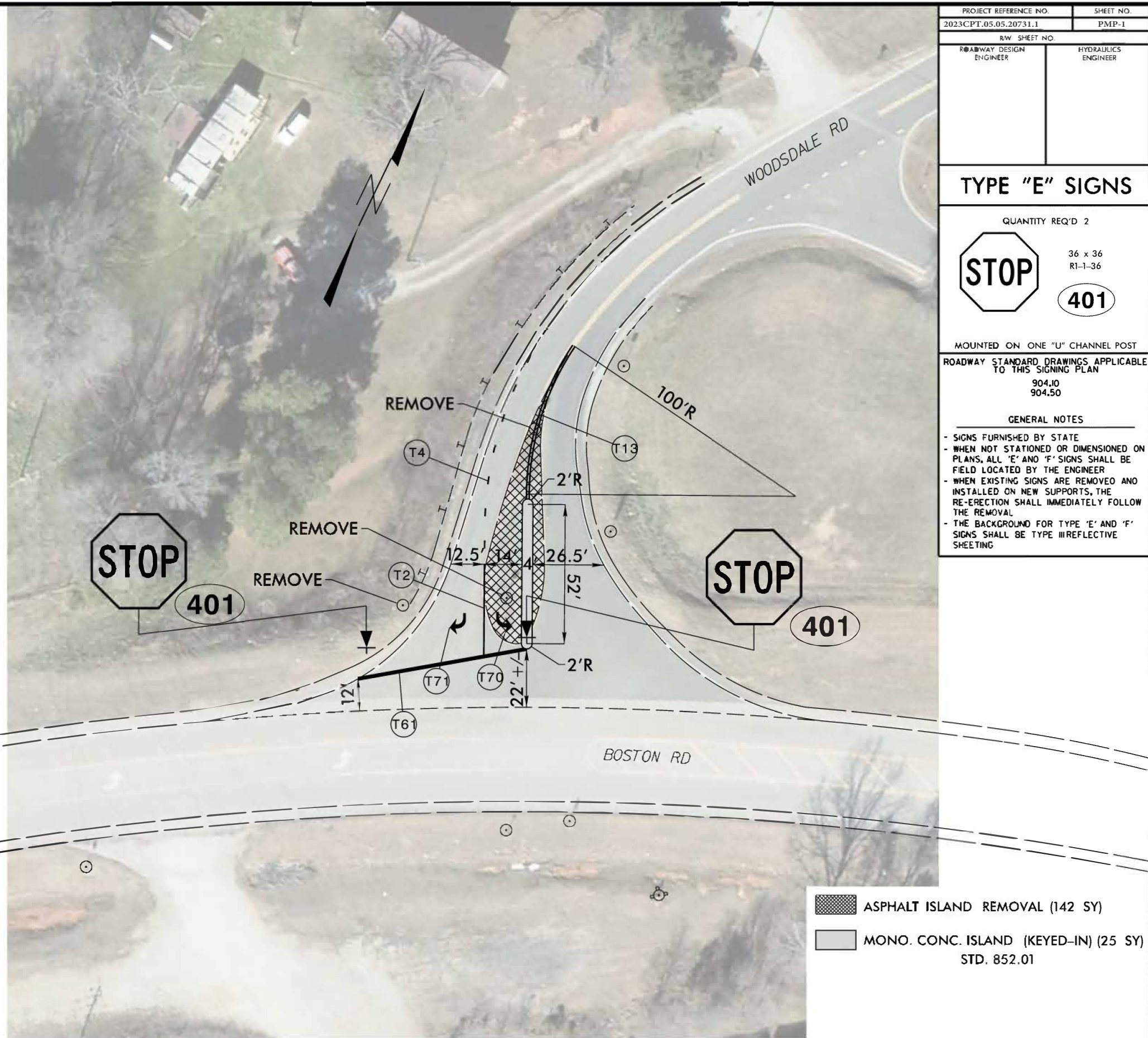
GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
WOODSDALE ROAD	THERMOPLASTIC	NONE

- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- C) REMOVE/ REPLACE ANY CONFLICTING/ DAMAGED PAVEMENT MARKINGS AND MARKERS.
- D) UNLESS OTHERWISE SPECIFIED, HEAT-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR SYMBOLS.



PROJECT REFERENCE NO. 2023CPT.05.05.20731.1	SHEET NO. PMP-1
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

TYPE "E" SIGNS

QUANTITY REQ'D 2

36 x 36
R1-1-36

401

MOUNTED ON ONE "U" CHANNEL POST

ROADWAY STANDARD DRAWINGS APPLICABLE TO THIS SIGNING PLAN
904.10
904.50

- GENERAL NOTES**
- SIGNS FURNISHED BY STATE
 - WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER
 - WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL
 - THE BACKGROUND FOR TYPE 'E' AND 'F' SIGNS SHALL BE TYPE III REFLECTIVE SHEETING

	ASPHALT ISLAND REMOVAL (142 SY)
	MONO. CONC. ISLAND (KEYED-IN) (25 SY) STD. 852.01