

20-AUG-2018 13:42
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 09/08/19
 slachta AT DICAD28235L

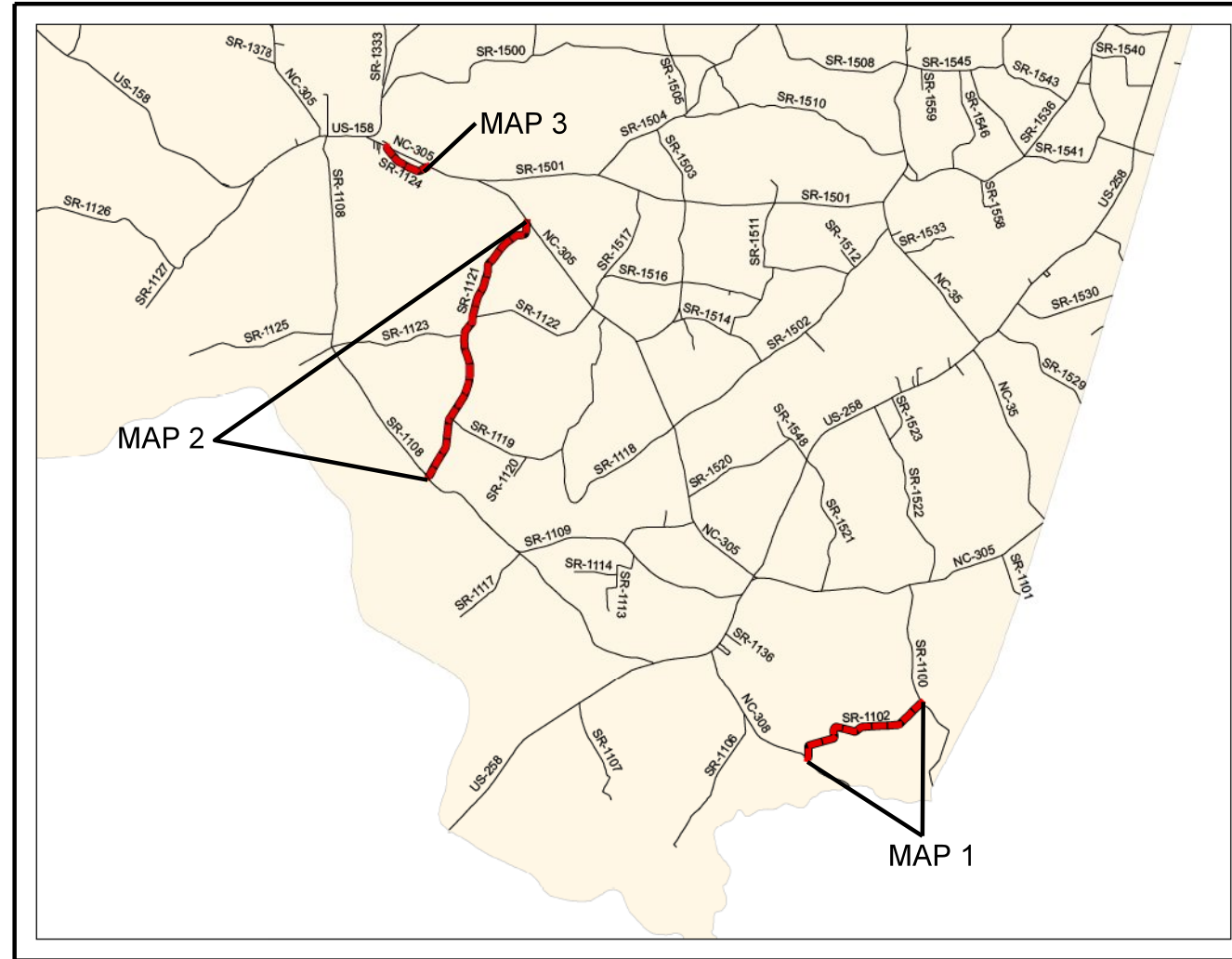
CONTRACT: DA00434 WBS PROJECT: 2019CPT.01.07.20661.1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NORTHAMPTON COUNTY

LOCATION: MAP 1 SR 1102 SHOULARS RD - FROM SR 1100 TO NC 308
MAP 2 SR 1121 W J DUKE SERVICE RD - FROM SR 1108 TO NC 305
MAP 3 SR 1124 JOHN DARDEN RD - FROM NC 305 TO NC 305

TYPE OF WORK: RESURFACING



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.01.07.20661.1	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2019CPT.01.07.20661.1		MAPS 1-12	

NTS

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT MAP 1 = 2.66 MI.
 LENGTH OF ROADWAY PROJECT MAP 2 = 5.21 MI.
 LENGTH OF ROADWAY PROJECT MAP 3 = 0.93 MI.

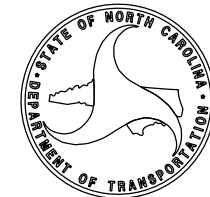
Prepared in the Office of:
DIVISION OF HIGHWAYS
 113 Airport Dr., Edenton NC, 27932

2018 STANDARD SPECIFICATIONS

LETTING DATE:
 09/19/2018

W.B. HOBBS, P.E.
 DIVISION PROJECT TEAM LEAD

C.E. SLACHTA
 DIVISION PROPOSALS ENGINEER



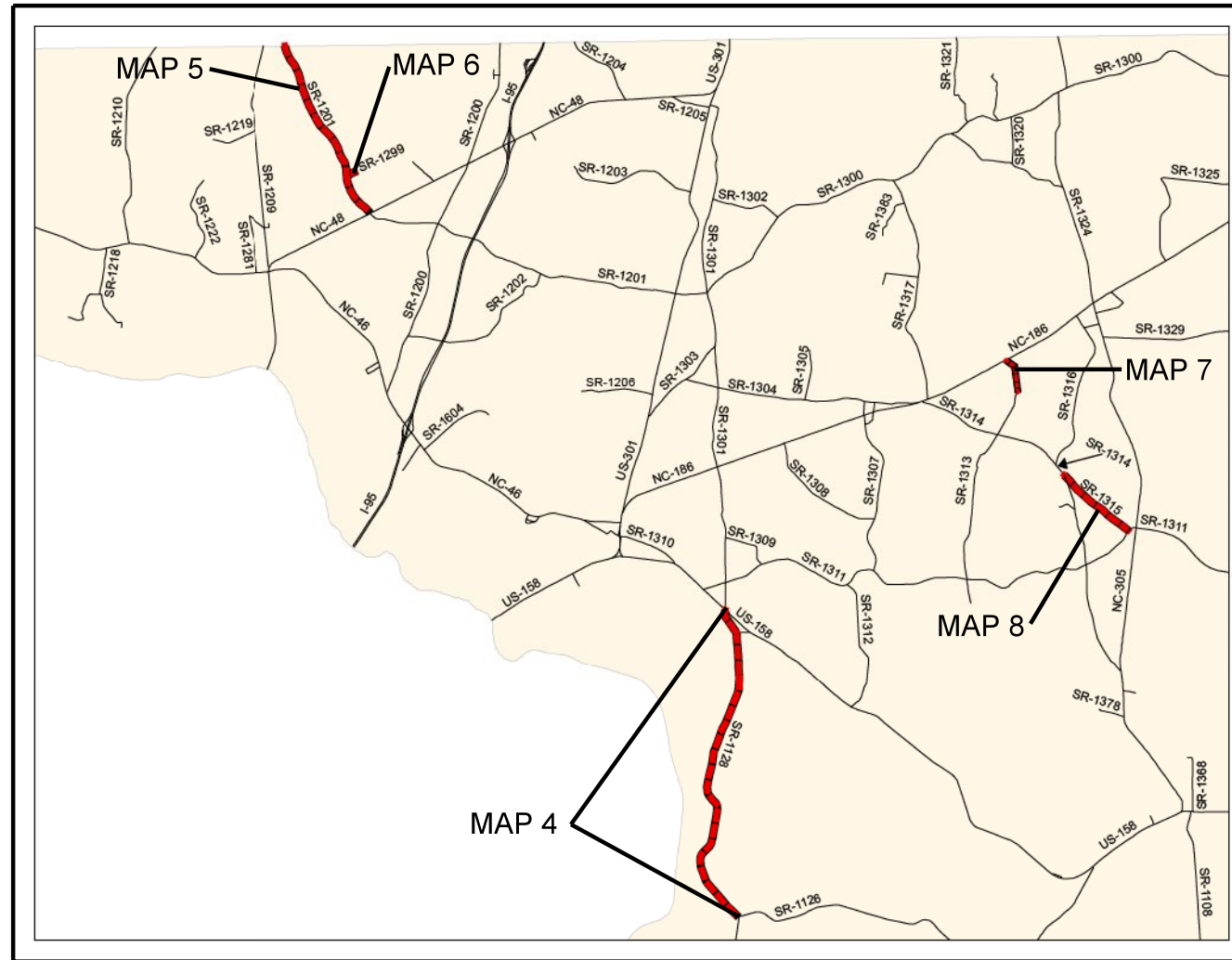
CONTRACT: DA00434 WBS PROJECT: 2019CPT.01.07.20661.1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NORTHAMPTON COUNTY

LOCATION: MAP 4 SR 1128 OCCONEECHEE NECK RD - FROM SR 1126 TO US 158
MAP 5 SR 1201 WARNER BRIDGE RD - FROM VIRGINIA LINE TO NC 48
MAP 6 SR 1299 SOUTH SCOTT DR- FROM SR 1201 TO DEAD END
MAP 7 SR 1313 HARGRAVES RD - FROM NC 186 TO END PAVEMENT
MAP 8 SR 1315 HENRY KEE RD - FROM SR 1314 TO SR 1311

TYPE OF WORK: RESURFACING



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.01.07.20661.1	2	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2019CPT.01.07.20661.1		MAPS 1-12	

NTS

PROJECT LENGTH

LENGTH OF ROADWAY PROJECT MAP 4 = 4.64 MI.
 LENGTH OF ROADWAY PROJECT MAP 5 = 2.64 MI.
 LENGTH OF ROADWAY PROJECT MAP 6 = 0.16 MI.
 LENGTH OF ROADWAY PROJECT MAP 7 = 0.30 MI.
 LENGTH OF ROADWAY PROJECT MAP 8 = 1.16 MI.

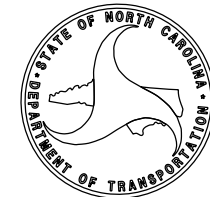
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C.E. SLACHTA
 DIVISION PROPOSALS ENGINEER



CONTRACT: DA00434 WBS PROJECT: 2019CPT.01.07.20661.1

NTS

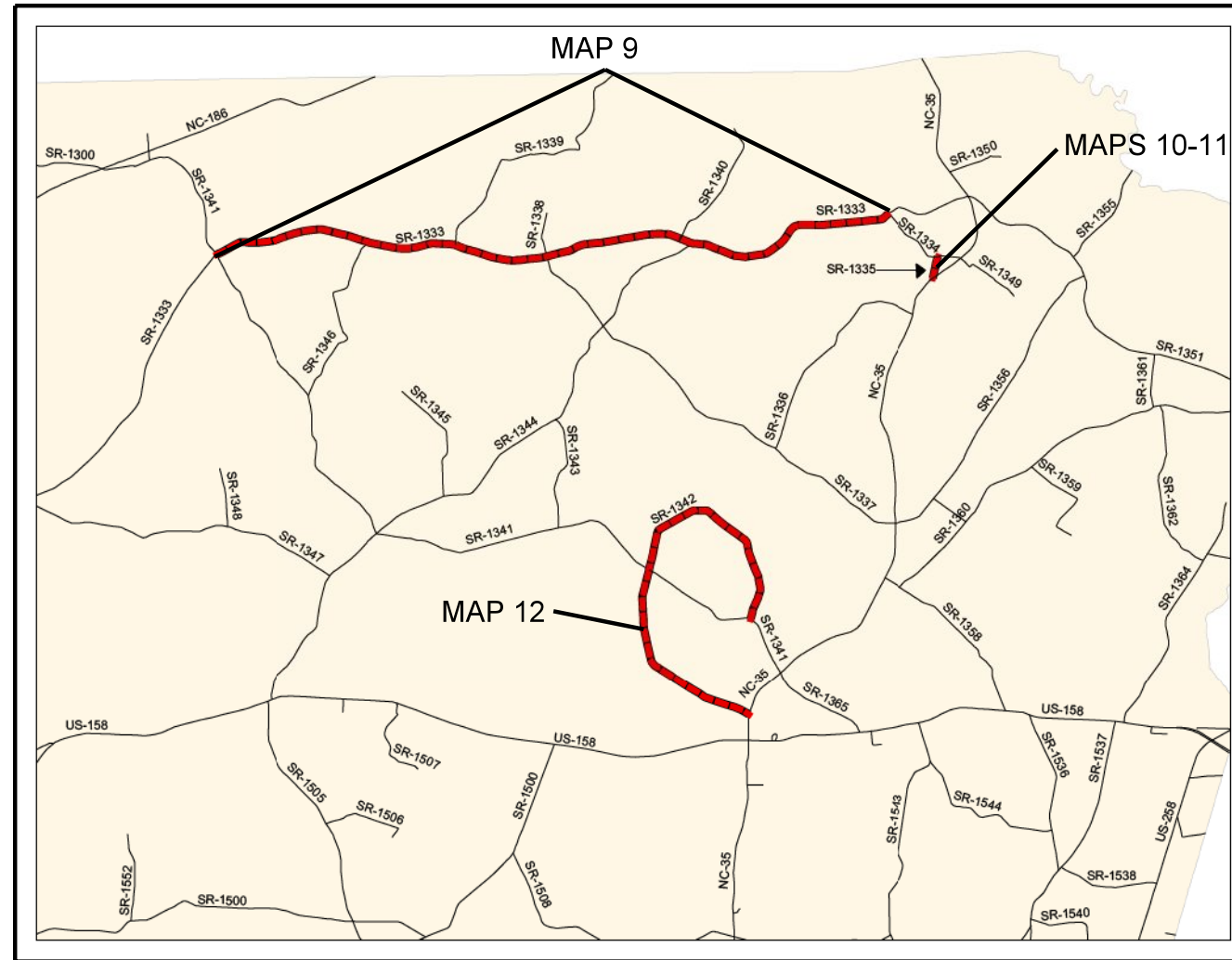


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NORTHAMPTON COUNTY

LOCATION: MAP 9 SR 1333 SEVERN RD - FROM SR 1334 TO SR 1341
MAP 10 SR 1335 S. WATER ST - FROM SR 1334 TO BEGIN CURB & GUTTER
MAP 11 SR 1335 S. WATER ST - FROM BEGIN CURB & GUTTER TO NC 35
MAP 12 SR 1342 LAKE RD - FROM SR 1341 TO NC 35

TYPE OF WORK: RESURFACING



PROJECT LENGTH

LENGTH OF ROADWAY PROJECT MAP 9 = 7.79 MI.
 LENGTH OF ROADWAY PROJECT MAP 10 = 0.05 MI.
 LENGTH OF ROADWAY PROJECT MAP 11 = 0.19 MI.
 LENGTH OF ROADWAY PROJECT MAP 12 = 2.28 MI.

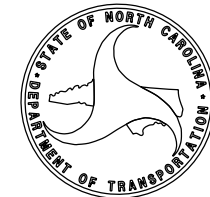
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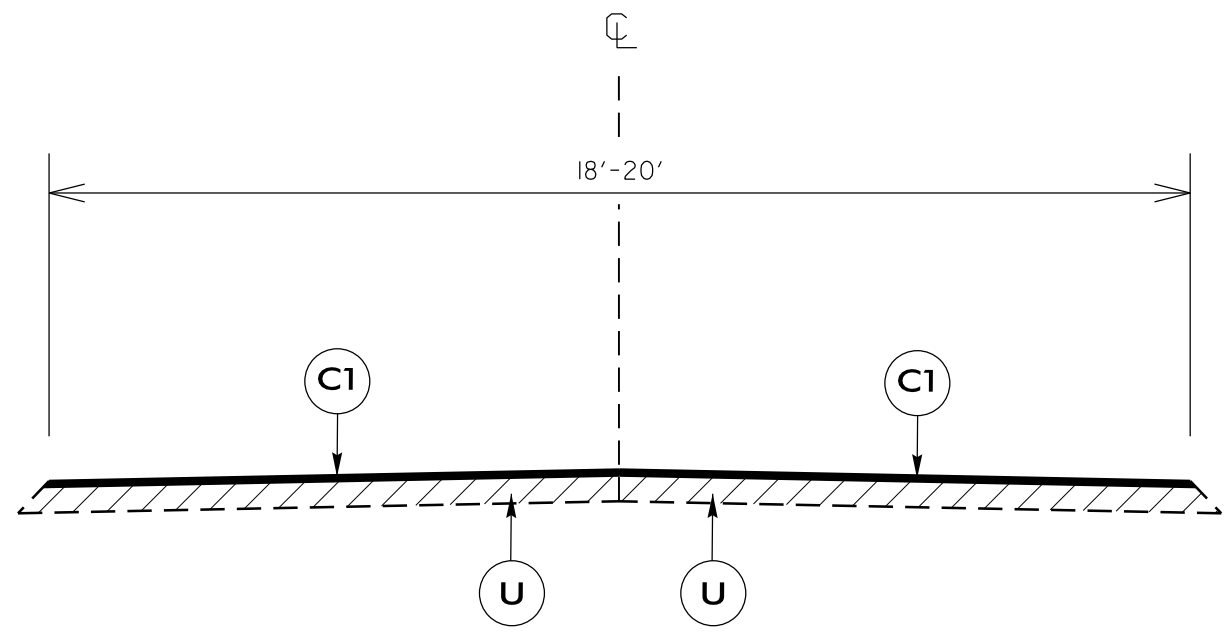
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2019CPT.01.07.20661.1	3	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
2019CPT.01.07.20661.1		MAPS 1-12	

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
U	EXISTING PAVEMENT.

NOTES:

- *ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII., OR AS DIRECTED BY THE ENGINEER.
- *PAVEMENT MARKINGS ARE TO BE PERFORMED BY OTHERS
- *SHOULDER RECONSTRUCTION IS TO BE PERFORMED BY OTHERS



TYPICAL SECTION NO. 1

USE WITH MAPS 1, 3, & 6

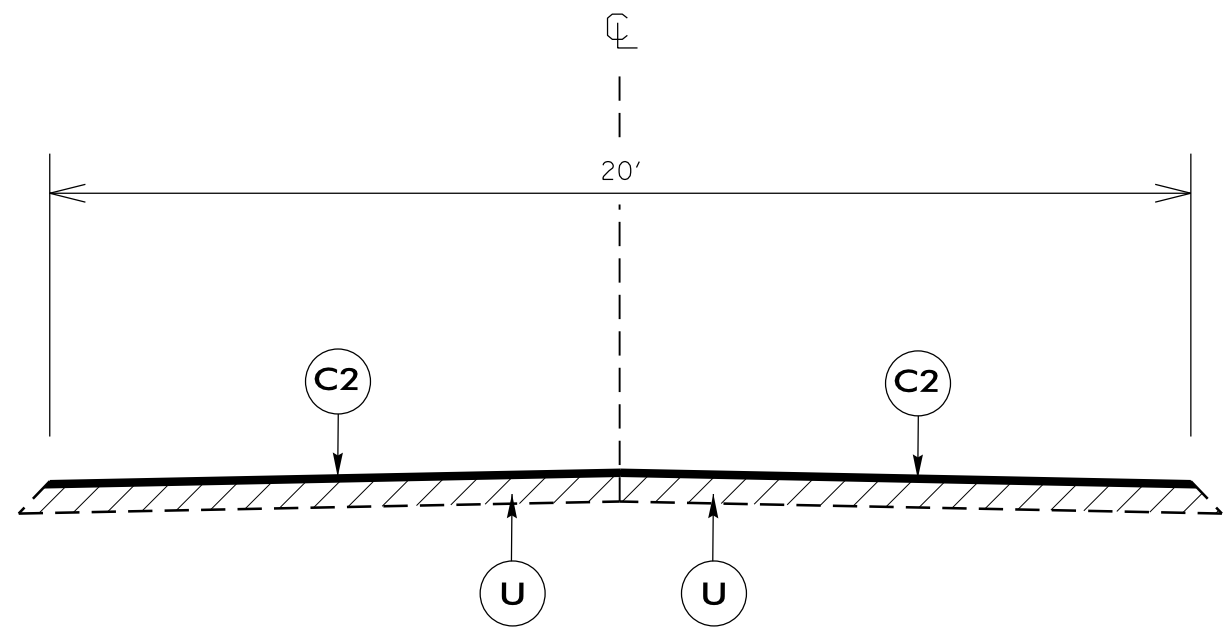
NTS

P A V E M E N T S C H E D U L E

C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
U	EXISTING PAVEMENT.

NOTES:

- *ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII., OR AS DIRECTED BY THE ENGINEER.
- *PAVEMENT MARKINGS ARE TO BE PERFORMED BY OTHERS
- *SHOULDER RECONSTRUCTION IS TO BE PERFORMED BY OTHERS



TYPICAL SECTION NO. 2

USE WITH MAPS 2, 7, & 8

NTS

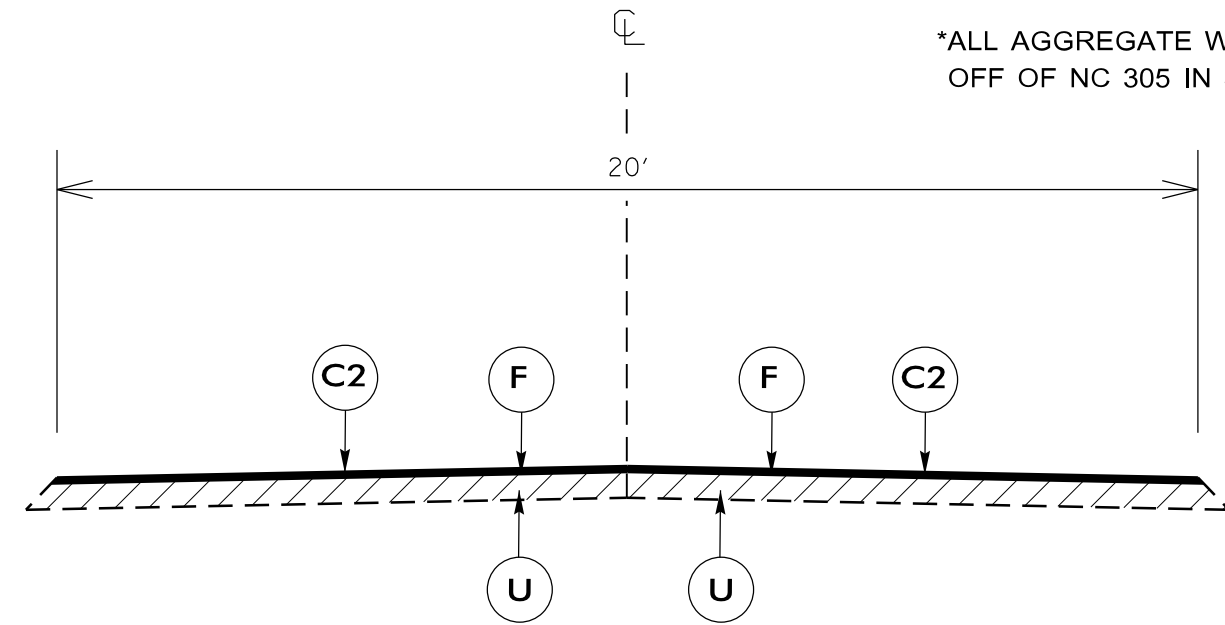
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PAVEMENT SCHEDULE

C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
F	PROP. ASPHALT SURFACE TREATMENT, SINGLE SEAL, AT AN APPLICATION RATE TO BE DETERMINED BY FIELD CONDITIONS IN ACCORDANCE WITH PROJECT SPECIAL PROVISIONS.
U	EXISTING PAVEMENT.

NOTES:

- *ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII., OR AS DIRECTED BY THE ENGINEER.
- *PAVEMENT MARKINGS ARE TO BE PERFORMED BY OTHERS
- *SHOULDER RECONSTRUCTION IS TO BE PERFORMED BY OTHERS
- *EDGES, PAVEMENT WIDENING, INTERSECTIONS, AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- *ASPHALT SURFACE TREATMENT, SINGLE SEAL SHALL BE PLACED PRIOR TO RESURFACING WITH 1.5" OF S9.5C MIX.
- *ASPHALT SURFACE TREATMENT, SINGLE SEAL, CONSISTS OF ONE LAYER OF TREATMENT:
 - SINGLE LAYER CONSISTS OF EMULSIFIED ASPHALT, GRADE CRS-2L AT A RATE OF APPROX. 0.30 GAL/SY AND A LAYER OF 5/16" LIGHT-WEIGHT AGGREGATE AT A RATE OF APPROX. 9± LBS/SY
- *ASPHALT SURFACE TREATMENT SHALL BE ALLOWED TO CURE FOR A MINIMUM OF 10 DAYS BEFORE ANY OTHER WORK CAN BE PERFORMED.
- *ALL AGGREGATE MATERIAL IS TO BE PROVIDED BY THE DEPARTMENT
- *CONTRACTOR SHALL BE RESPONSIBLE FOR LOADING, HAULING, & PLACING ALL AGGREGATE MATERIAL.
- *ALL AGGREGATE WILL BE STOCKPILED AT THE JACKSON MAINTENANCE OFF OF NC 305 IN JACKSON, NC.



TYPICAL SECTION NO. 3

USE WITH MAPS 4, 5, 9, & 12

NTS

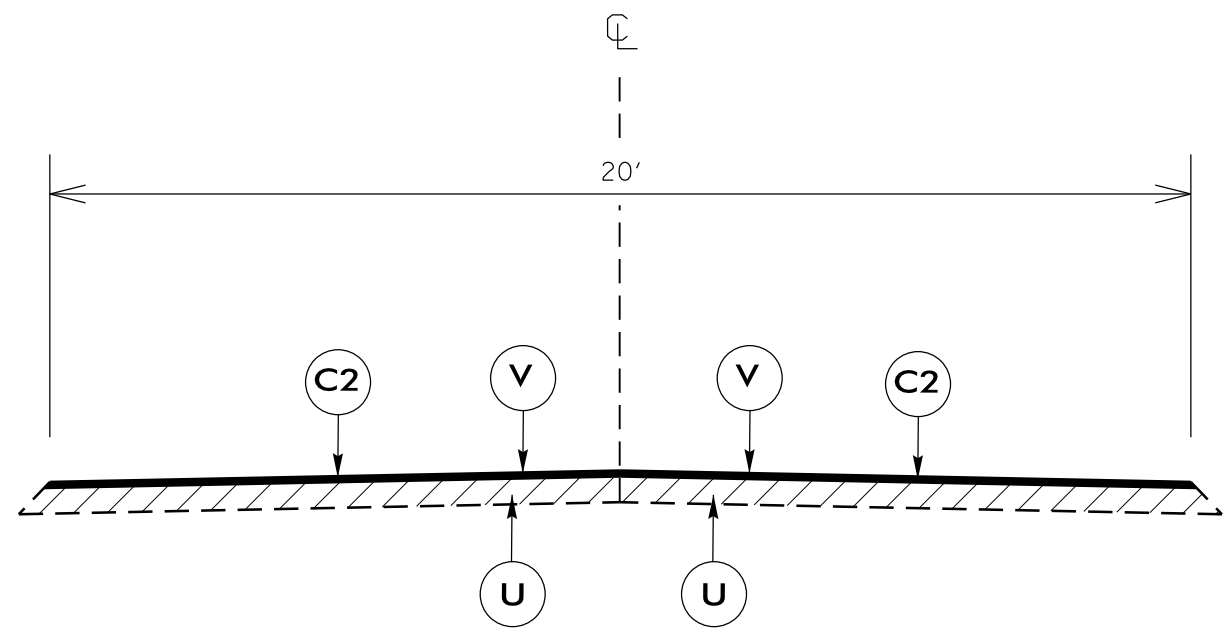
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P A V E M E N T S C H E D U L E

C2	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
U	EXISTING PAVEMENT.
V	MILLING ASPHALT PAVEMENT. 1½" DEPTH.

NOTES:

- *ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADII., OR AS DIRECTED BY THE ENGINEER.
- *PAVEMENT MARKINGS ARE TO BE PERFORMED BY OTHERS
- *SHOULDER RECONSTRUCTION IS TO BE PERFORMED BY OTHERS



TYPICAL SECTION NO. 4

USE WITH MAP 10

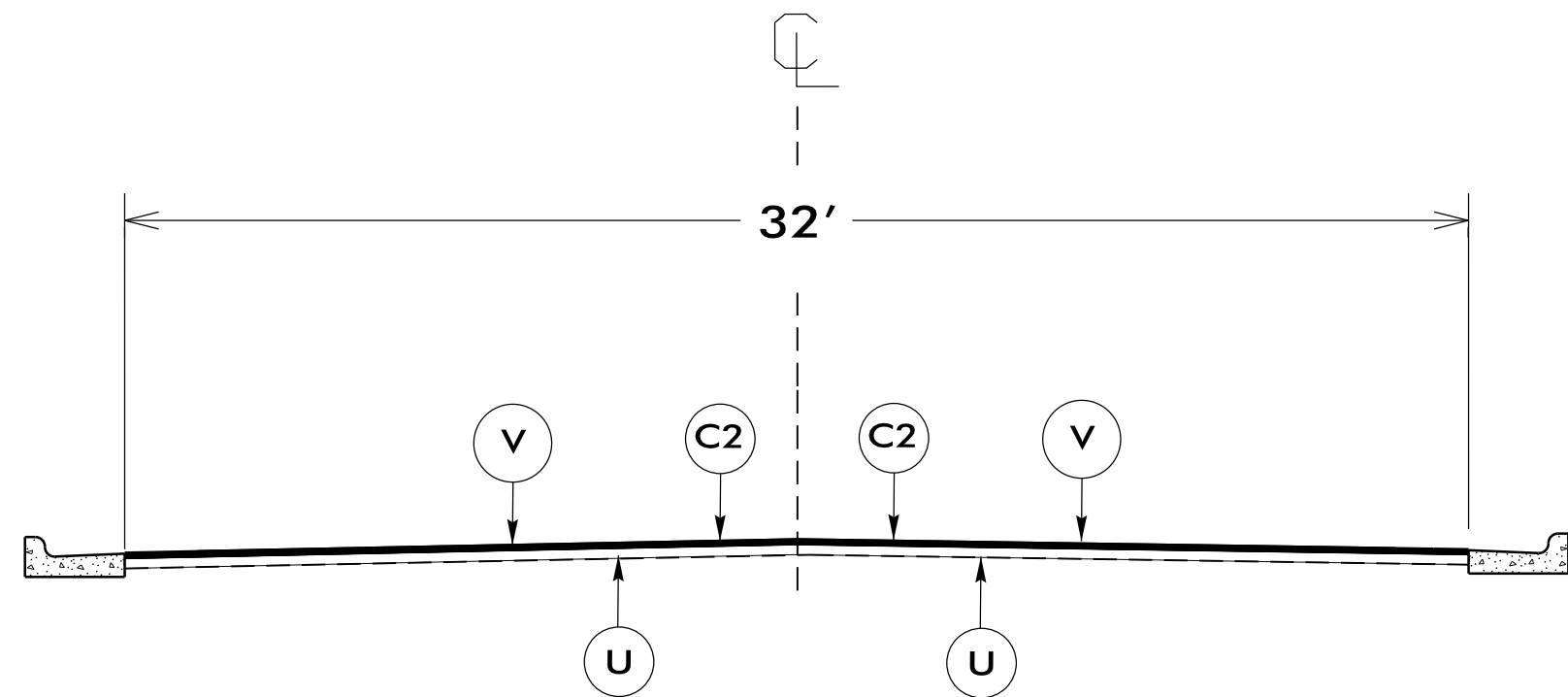
NTS

PAVEMENT SCHEDULE

C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V	MILLING ASPHALT PAVEMENT. 1.5" IN DEPTH.
U	EXISTING PAVEMENT.

NOTES:

- *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 SUMMARY OF QUANTITIES
- *CONTRACTOR SHALL MILL 1.5" BELOW EXISTING EDGE OF CONC. CURB & GUTTER.



TYPICAL SECTION NO. 5

USE WITH MAP 11

NTS

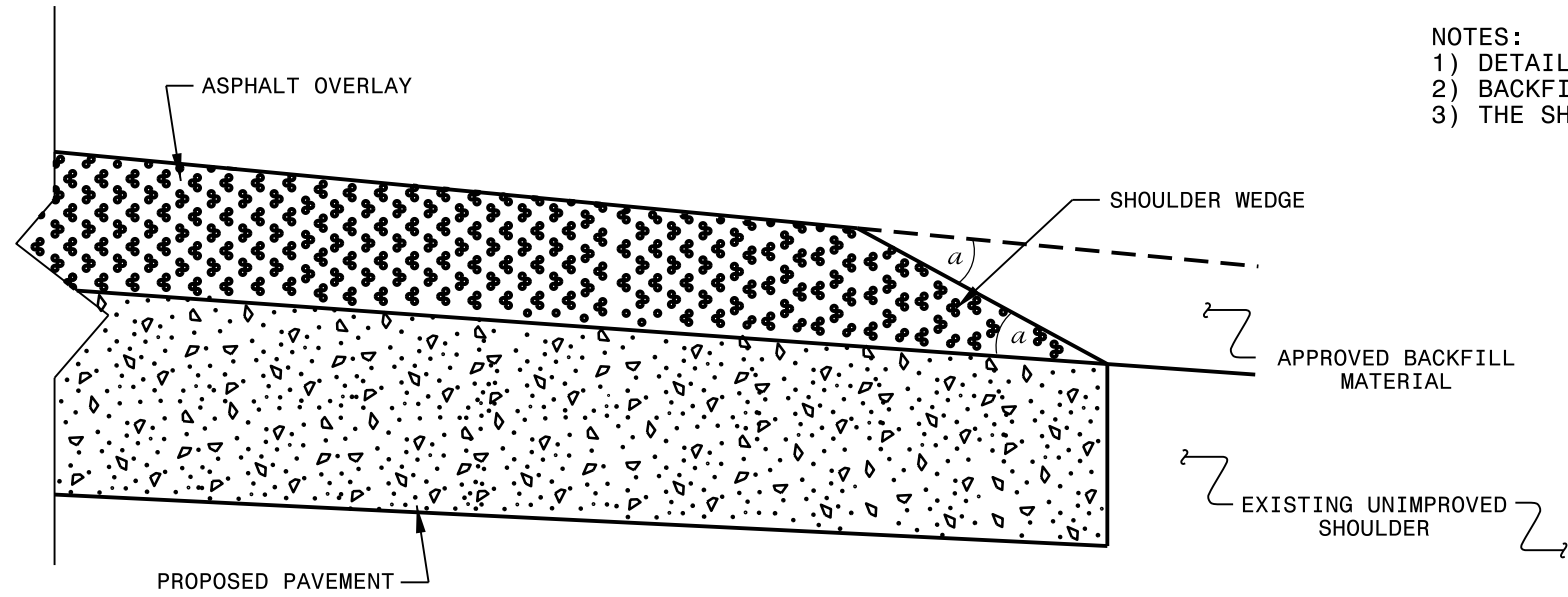
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PROJECT NO.	SHEET NO.	TOTAL NO.
2019CPT.01.07.20661.1	9	

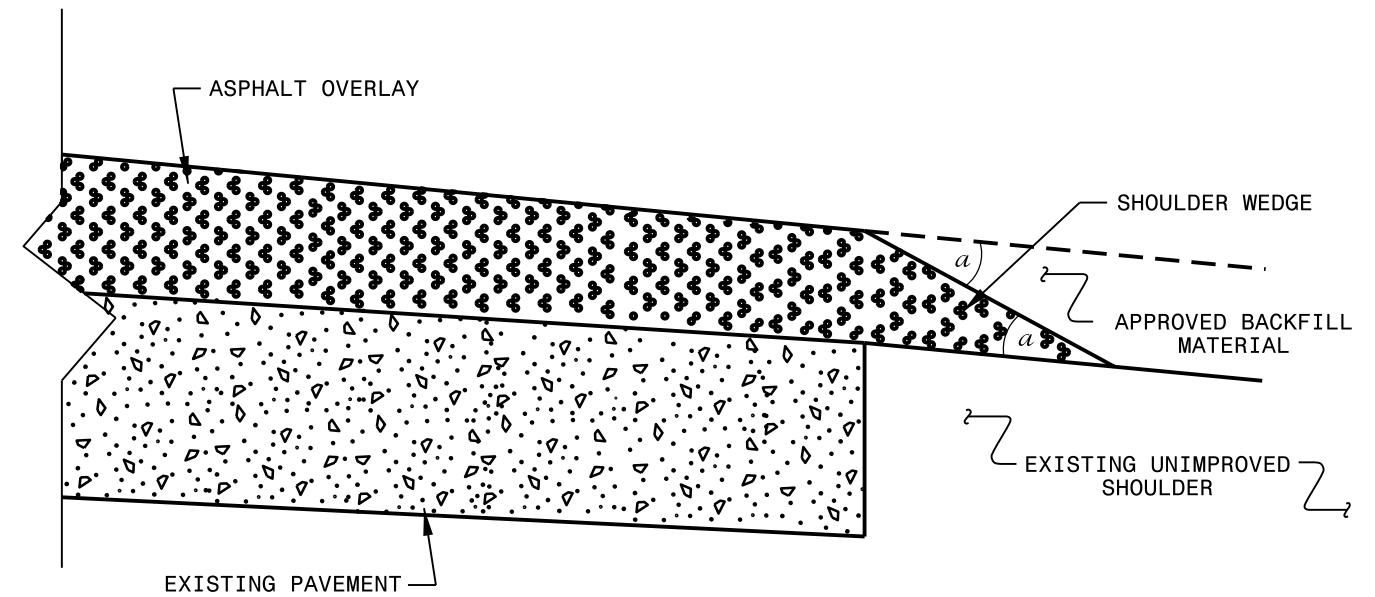
SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	MOBILIZATION	1½" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	ASPHALT SURFACE TREATMENT, SINGLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	WORK ZONE ADVANCE / GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL
										MI	FT	LS	SY	SY	TONS	TONS	TONS	SY	GAL	SF	LS
2019CPT.01.07.20661.1	Northampton	1	SR 1102 SHOULARS RD	FROM SR 1100 TO SR NC 308	1	2	2WU	NO	NO	2.66	18	1			2,612		175			146	1
2019CPT.01.07.20661.1	Northampton	2	SR 1121 WJ DUKE SERV. RD	FROM SR 1108 TO NC 305	2	2	2WU	NO	NO	5.21	20	*				5,781	347			287	*
2019CPT.01.07.20661.1	Northampton	3	SR 1124 JOHN DARDEN RD	FROM NC 305 TO NC 305	1	2	2WU	NO	NO	0.93	20	*			1,022		68			51	*
2019CPT.01.07.20661.1	Northampton	4	SR 1128 OCCONEECHEE NECK RD	FROM SR 1126 TO US 158	3	2	2WU	NO	NO	4.64	20	*				5,126	308	54,443	16,332	255	*
2019CPT.01.07.20661.1	Northampton	5	SR 1201 WARNER BRIDGE RD	FROM FROM VA LINE TO NC 48	3	2	2WU	NO	NO	2.64	20	*				2,963	178	30,976	9,292	145	*
2019CPT.01.07.20661.1	Northampton	6	SR 1299 SOUTH SCOTT DR	FROM SR 1201 TO DEAD END	1	2	2WU	NO	NO	0.16	20	*			191		13			32	*
2019CPT.01.07.20661.1	Northampton	7	SR 1313 HARGRAVES RD	FROM END PAVMT TO NC 186	2	2	2WU	NO	NO	0.30	20	*				345	21			17	*
2019CPT.01.07.20661.1	Northampton	8	SR 1315 HENRY KEE RD	FROM SR 1314 TO SR 1311	2	2	2WU	NO	NO	1.16	20	*				1,301	78			64	*
2019CPT.01.07.20661.1	Northampton	9	SR 1333 SEVERN RD	FROM SR 1334 TO SR 1341	3	2	2WU	NO	NO	7.79	20	*				8,650	519	91,403	27,420	428	*
2019CPT.01.07.20661.1	Northampton	10	SR 1335 SOUTH WATER ST	FROM SR 1334 TO BEGIN C & G	4	2	2WU	NO	NO	0.05	20	*	3,567	180		111	7			3	*
2019CPT.01.07.20661.1	Northampton	11	SR 1335 SOUTH WATER ST	FROM BEGIN C & G TO NC 35	5	2	2WU	NO	NO	0.19	32	*	2,229	180		220	13			10	*
2019CPT.01.07.20661.1	Northampton	12	SR 1342 LAKE RD	FROM SR 1341 TO NC 35	3	2	2WU	NO	NO	2.28	20	*				2,534	152	26,752	8,025	125	*
GRAND TOTAL										28.01		1	5,796	360	3,825	27,031	1,879	203,574	61,069	1,563	1

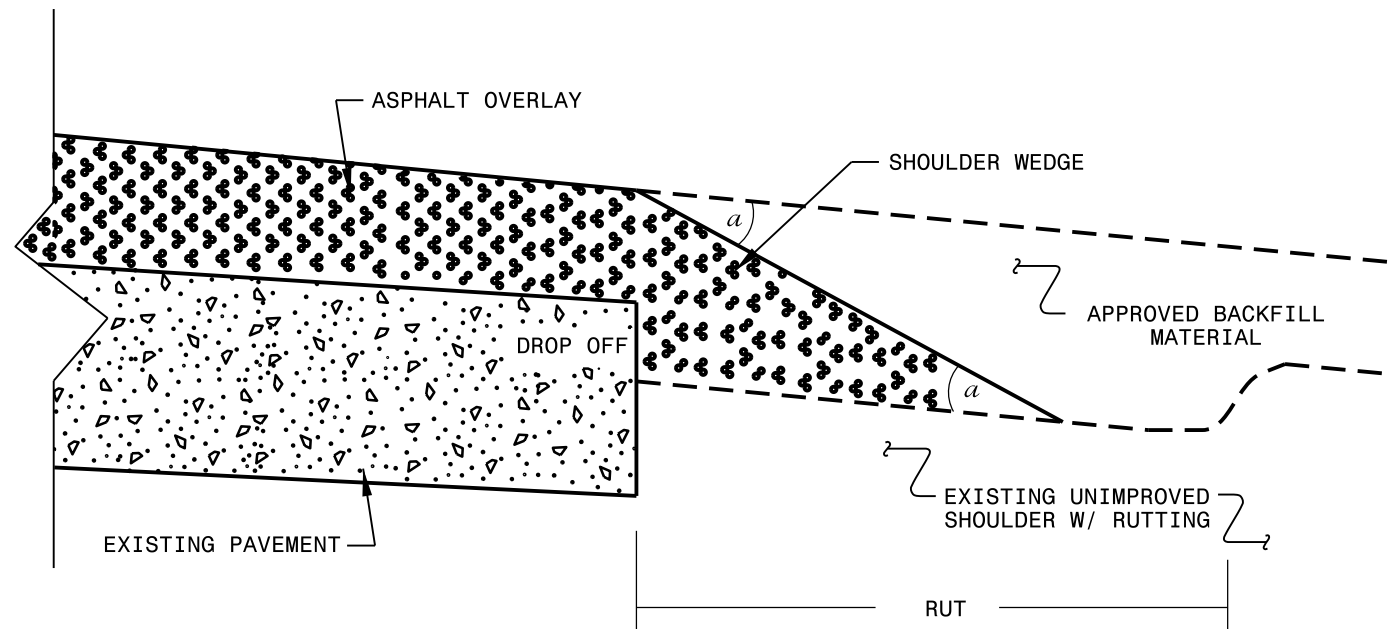
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFD AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)

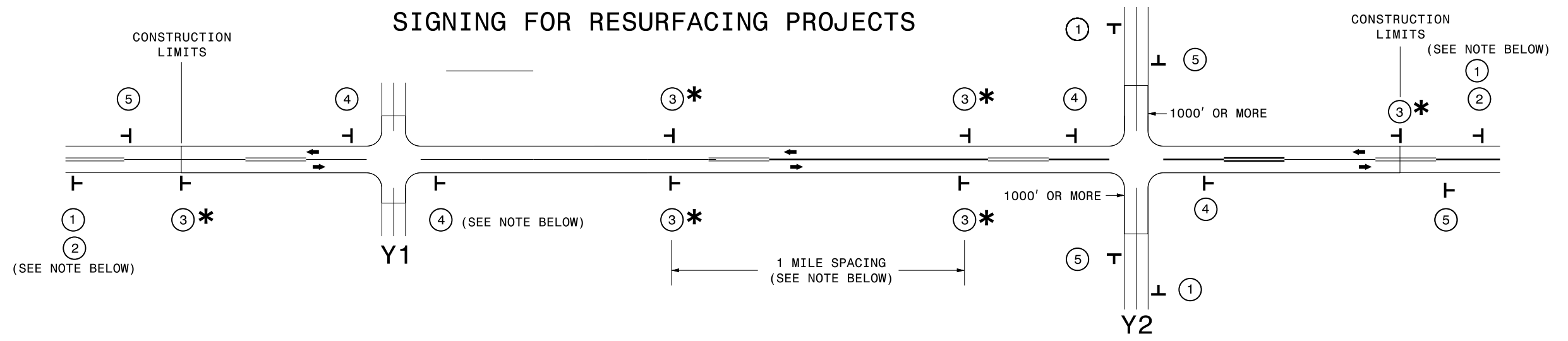


SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- 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: 10/16/12
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedge\detail.dgn	

SIGNING FOR RESURFACING PROJECTS



LEGEND	
T	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

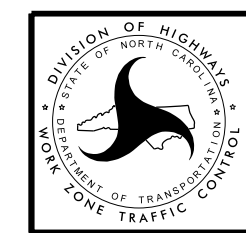
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	①	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p>	②	<p>#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)</p>	NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:	
	<p>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</p> <p>2) SUBDIVISION ROADS</p> <p>3) DEAD END ROADS</p>					
	③*	<p>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.</p>		<p>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.</p>		
	④	<p>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.</p>		<p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>		
⑤	<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>					

* 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**

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