

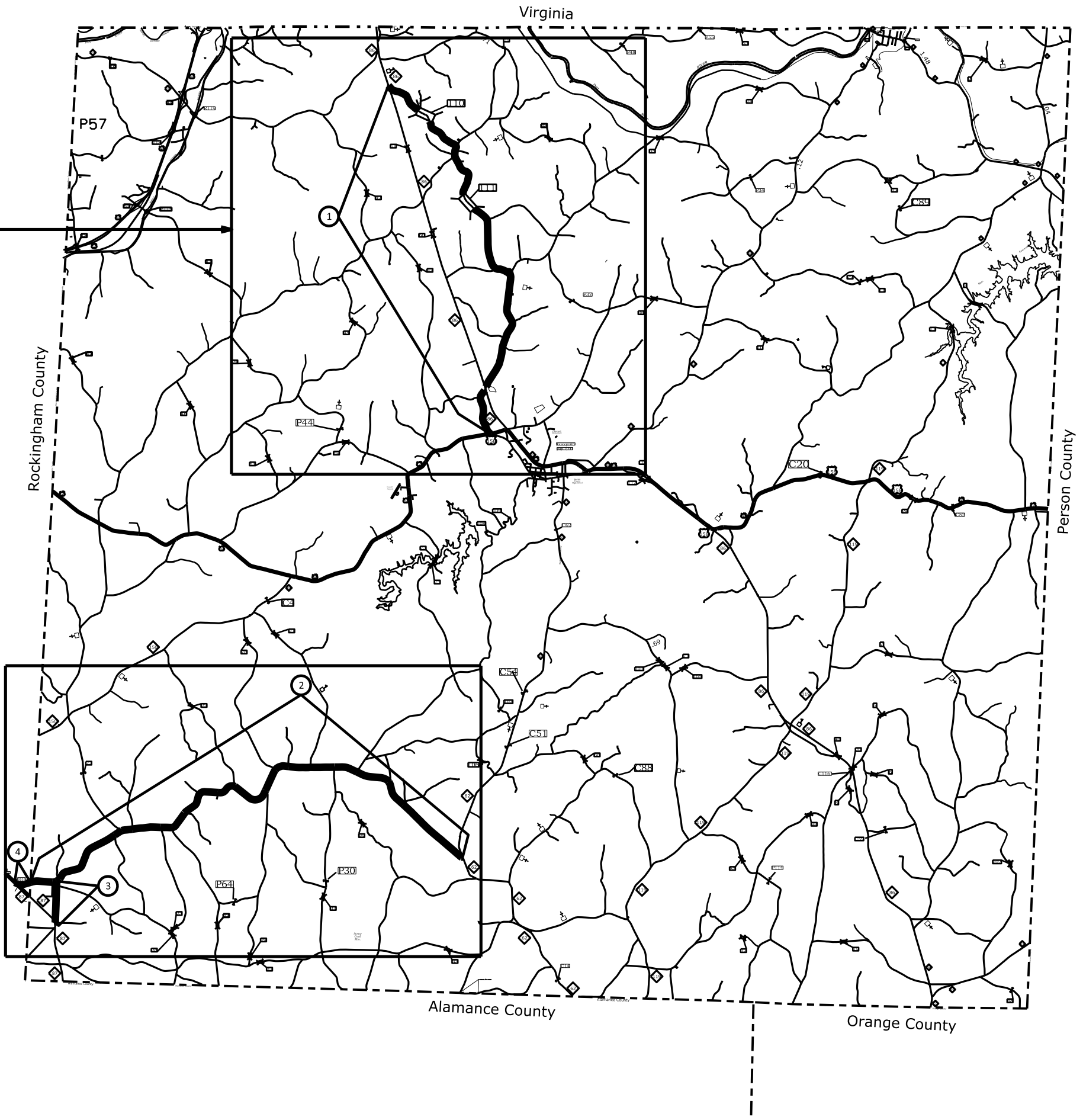
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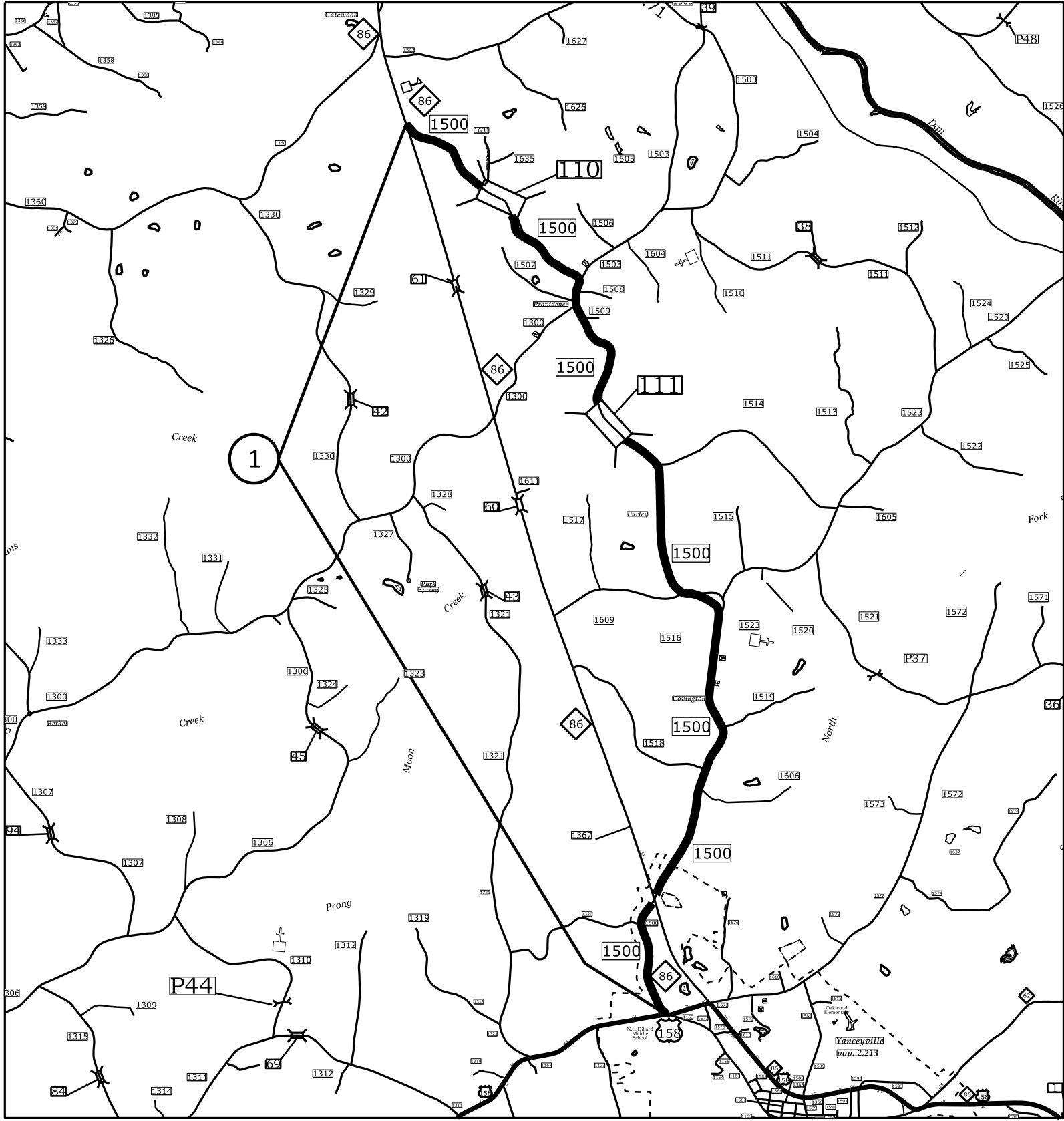
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Sheet 2

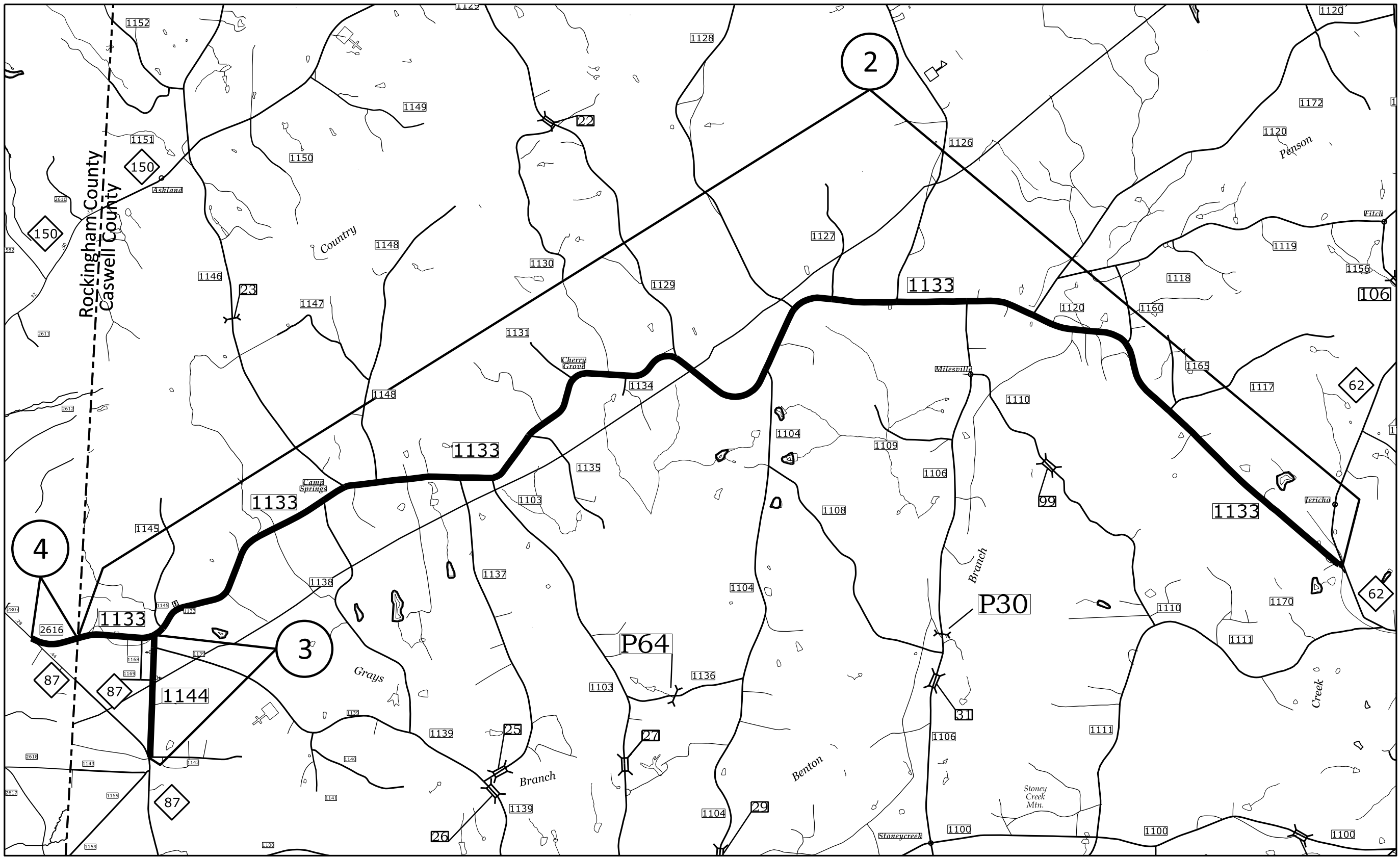
Sheet 3



CASWELL COUNTY
NORTH CAROLINA

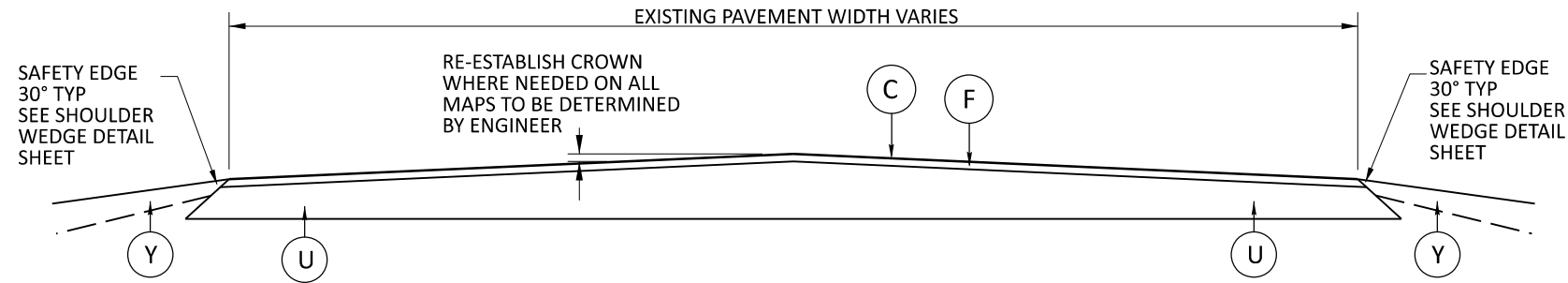


Map 1 SR 1500 - Old 86
*Skip NC 86
* Do not Resurface Bridge #110 and #111



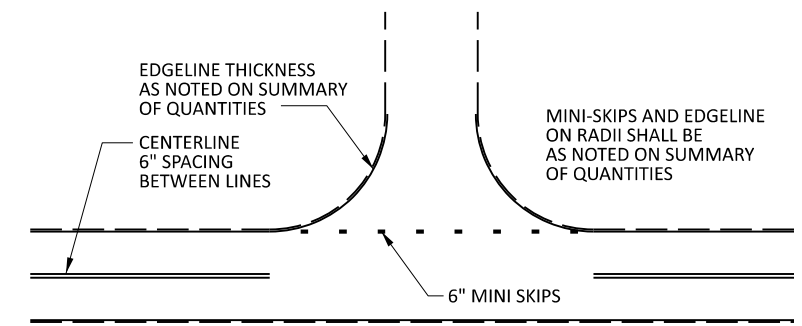
Map 2 SR 1133 - Cherry Grove Rd
Map 3 SR 1144 - Brown's Chapel Rd
Map 4 SR 2616 - Cherry Grove Rd (Rockingham County)

CASWELL COUNTY
NORTH CAROLINA



TYPICAL SECTION NO.1

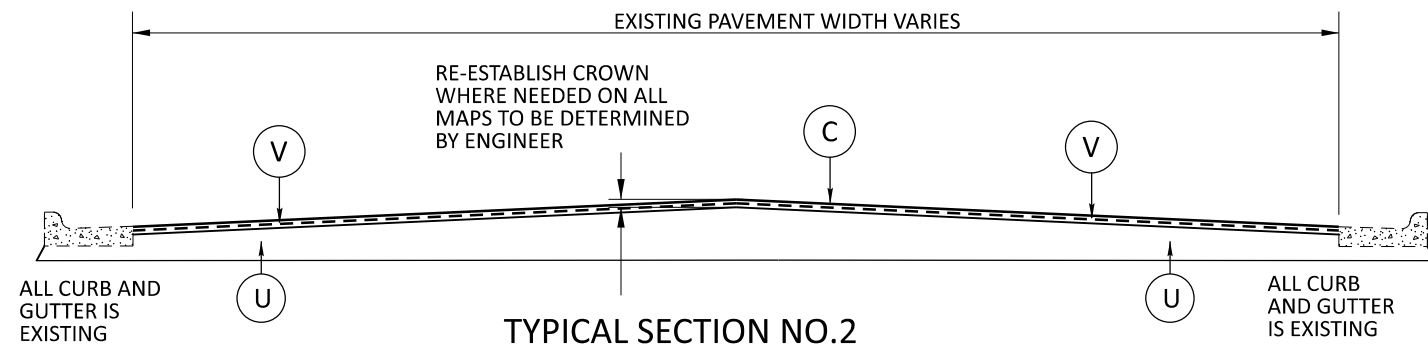
- Map 1 SR 1500 - Old 86
STA 0+00 TO STA 282+12
STA 289+10 TO STA 408+00 (Bridge #110)
STA 412+65 TO STA 456+48
*Do Not Resurface Bridge #110 and #111
- Map 2 SR 1133 - Cherry Grove Rd
- Map 3 SR 1144 - Brown's Chapel Rd
- Map 4 SR 2616 - Cherry Grove Rd (Rockingham County)



NOTE: MINI SKIPS SHALL BE PLACED ON A 8' CYCLE, CONTAINING A 6' AND 2' SKIP, THE WIDTH OF THE SKIP SHALL BE 6".

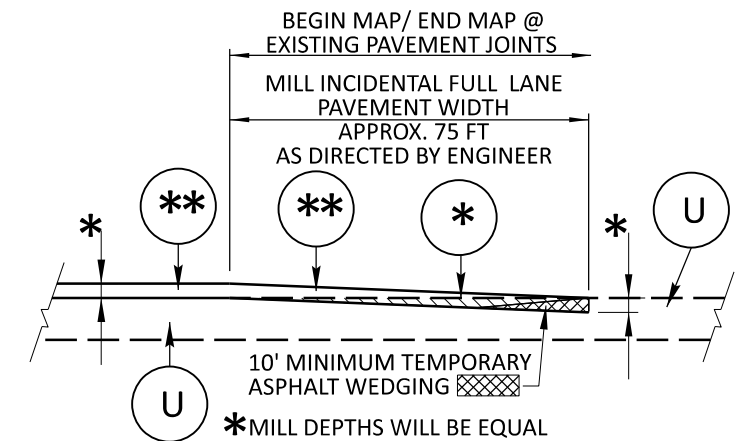
NON-SIGNALIZED INTERSECTIONS

TO BE USED AS DIRECTED BY ENGINEER



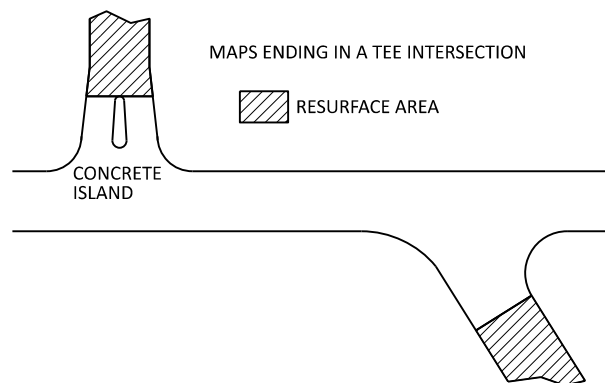
TYPICAL SECTION NO.2

- Map 1 SR 1500 - Old 86
STA 282+12 TO STA 286+03
(Mill from beginning of Taper to Bridge #111)
*Do Not Resurface Bridge #110 and #111

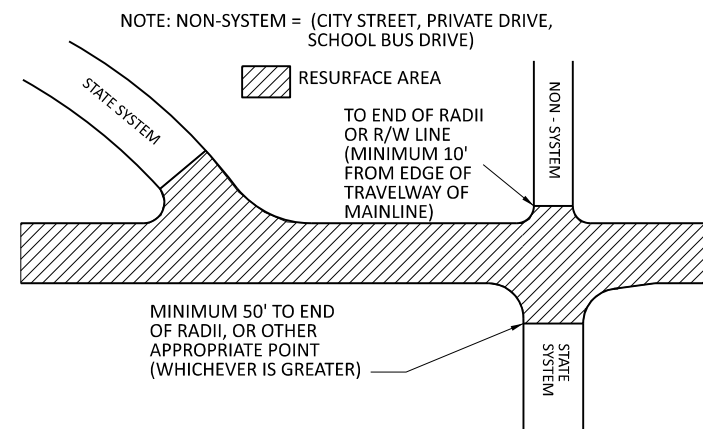


*MILL DEPTHS WILL BE EQUAL TO OVERLAY THICKNESS OF MAPS SEE TYPICALS
**SEE TYPICALS FOR MIX TYPE

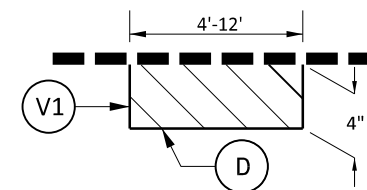
INCIDENTAL MILLING AT TIE-IN DETAIL



**PAVING DETAIL 1
MAIN LINE NOT BEING RESURFACED**



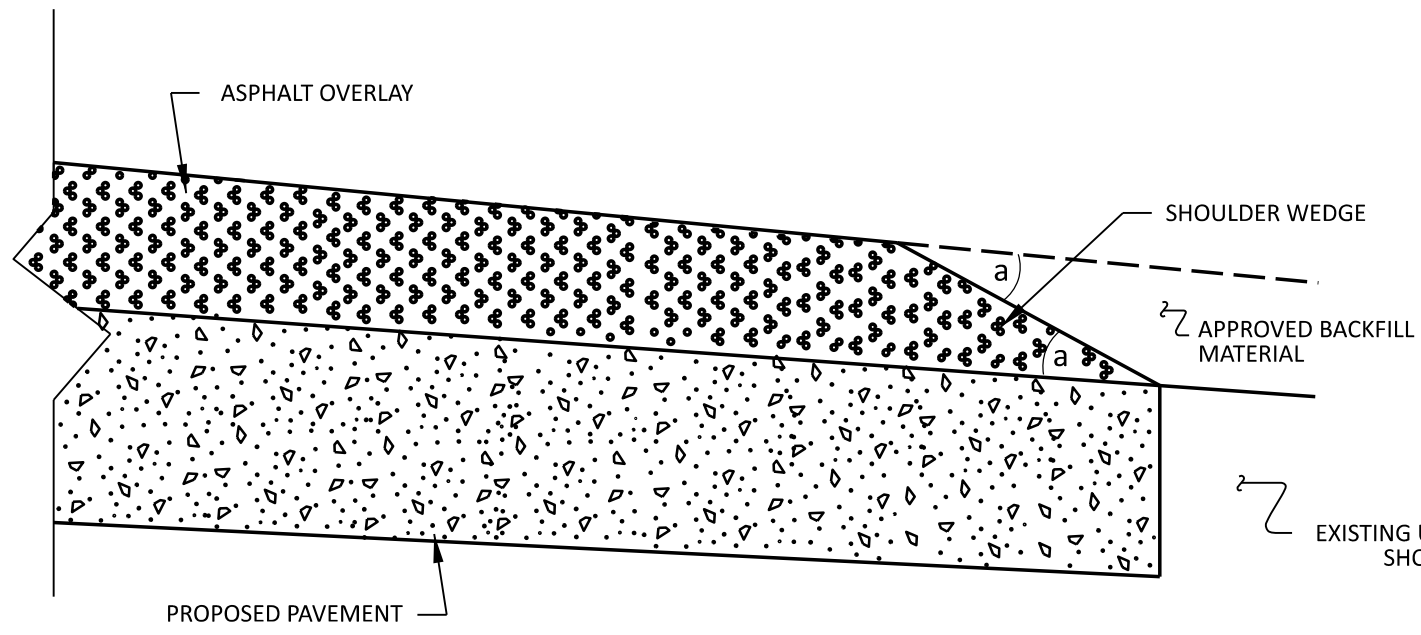
**PAVING DETAIL 2
MAIN LINE IS BEING RESURFACED**



MILL FILL WITH INTERMEDIATE COURSE, TYPE 119.0C AT LOCATIONS AS DIRECTED BY THE ENGINEER.

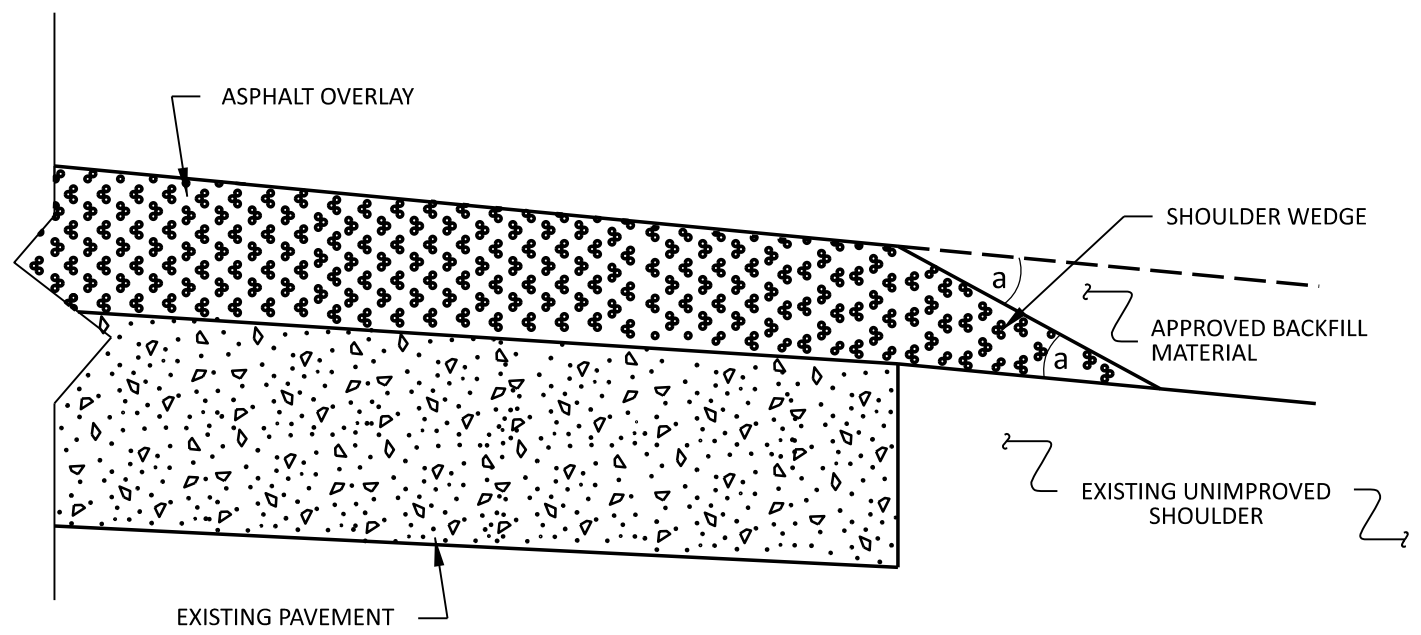
PATCHING EXISTING PAVEMENT DETAIL

PAVEMENT SCHEDULE	
C	PROP. APPROX. 1½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, TO BE APPLIED AT AN AVERAGE RATE OF 165 LBS PER SQ YD.
D	PROP. APPROX. 4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 456 LBS. PER SQ. YD.
F	AST MAT COAT, #78M
U	EXISTING PAVEMENT
V	MILL ASPHALT PAVEMENT, 1-1/2" DEPTH
V1	MILL ASPHALT PAVEMENT, 4" DEPTH
Y	SHOULDER WEDGE (SEE DETAIL)

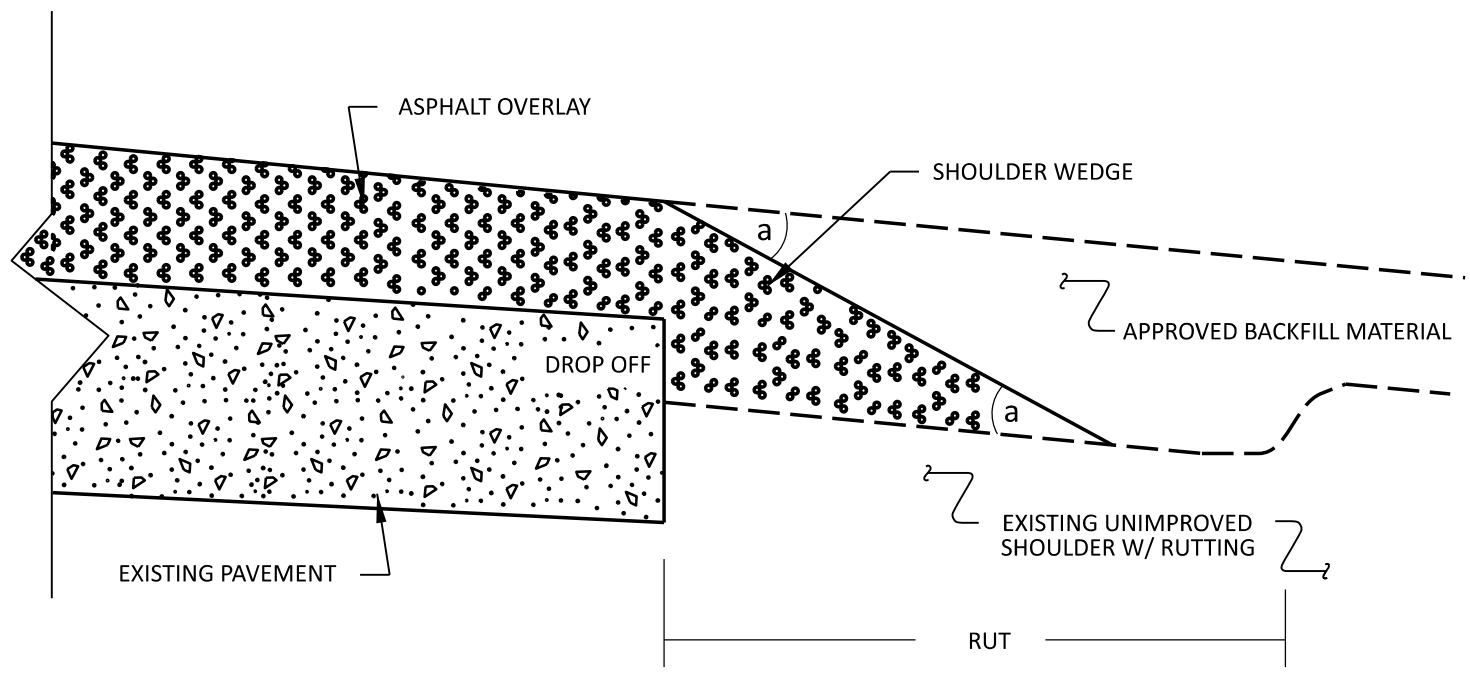


NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS DIRECTED BY THE ENGINEER.

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°

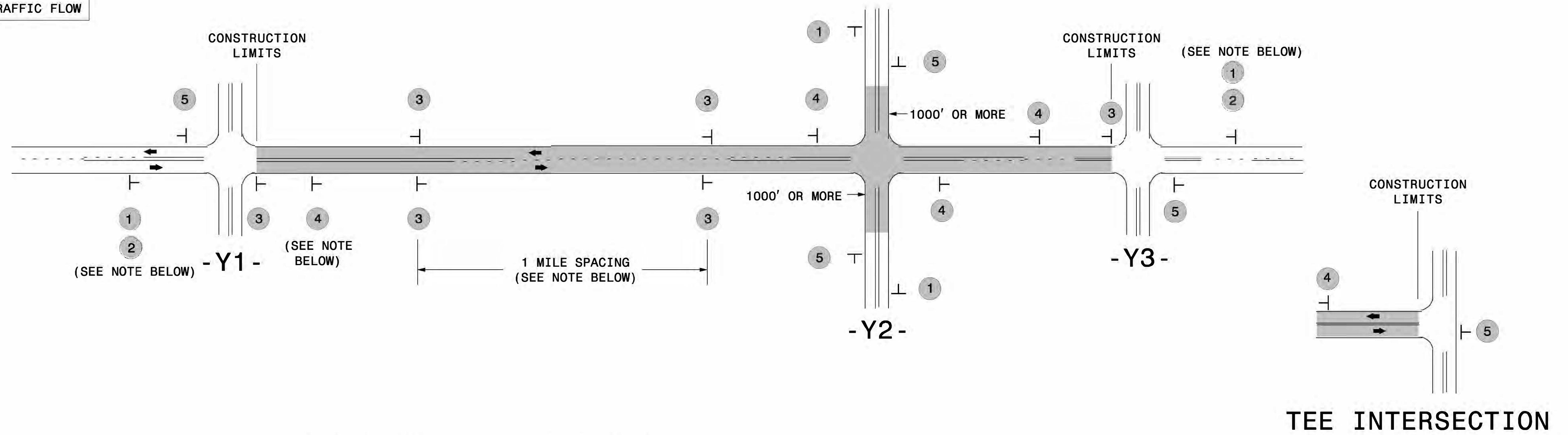
CONTRACT STANDARDS AND DEVELOPMENT UNIT
 Office 919-707-6950 FAX 919-250-4119

SHOULDER WEDGE DETAILS

ORIGINAL BY: T.SPELL DATE: 7-19-11
 MODIFIED BY: DATE: 10/16/12
 CHECKED BY: DATE:
 FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn

SIGNING FOR RESURFACING PROJECTS

LEGEND
 ┃ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

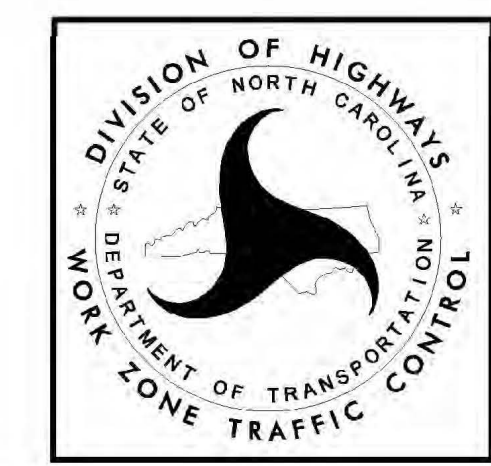
-Y- LINE SIGNING

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"> 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		#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:\1\DUV\Z\IC\Resurfacing\2L2W & A\51 Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn User:rcddis

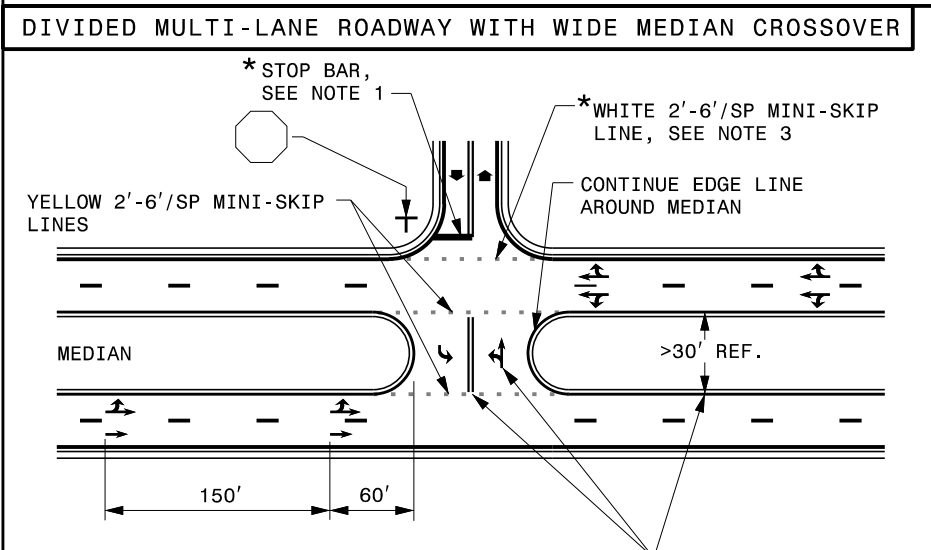
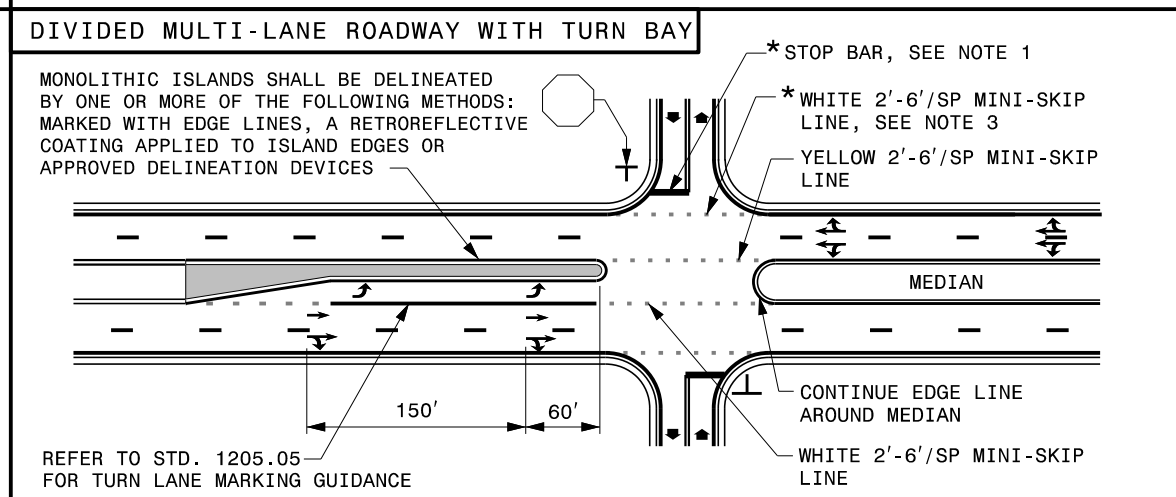
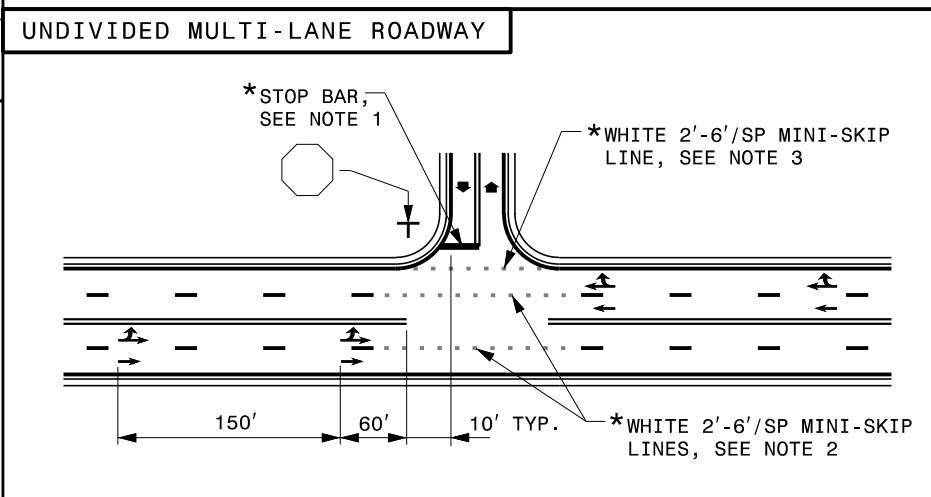
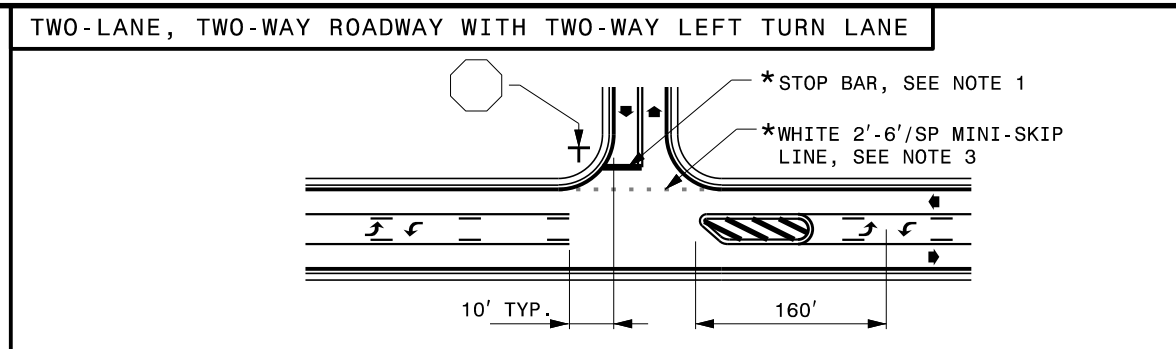
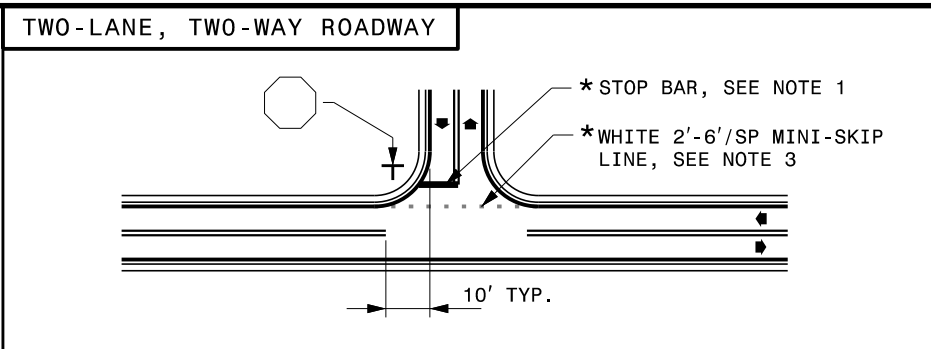
DocuSigned by:
 APPROVED: *Matthew V. Springer*
 DATE: 8/13/2019



STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

8-19
 ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
 INTERSECTIONS

SHEET 2 OF 2
1205D04



GENERAL NOTES:

- 1- PLACEMENT OF STOP BARS AT NON-SIGNALIZED INTERSECTIONS IS OPTIONAL AND USED WHERE IT IS IMPORTANT TO INDICATE THE POINT WHICH VEHICLES ARE REQUIRED TO STOP. PLACE STOP BARS NO LESS THAN 4 FEET AND NO MORE THAN 30 FEET FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY. USE 10 FEET AS THE TYPICAL SETBACK DISTANCE OR AS DIRECTED BY THE ENGINEER.
- 2- MINI-SKIP LANE LINE EXTENSIONS SHOULD BE USED AT INTERSECTIONS THAT HAVE REDUCED VISIBILITY CONDITIONS SUCH AS OFFSET, SKEWED, OR CURVED ROADWAYS.
- 3- MINI-SKIP EDGE LINE EXTENSIONS MAY BE PLACED THROUGH INTERSECTIONS AND MAJOR DRIVEWAYS.
- 4- REFER TO ROADWAY STANDARD DRAWINGS 1205.01, 1205.02, 1205.05, 1205.08 AND 1205.09 FOR ADDITIONAL PAVEMENT MARKING GUIDANCE.

LEGEND	
	STOP SIGN
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW
	PAVEMENT MARKING SYMBOLS
*	OPTIONAL

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

8-19
 ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
 INTERSECTIONS

SHEET 2 OF 2
1205D04

**REVISED PAVEMENT MARKING
 ROADWAY STANDARD DRAWING**

PROJECT NO.	SHEET NO.	TOTAL NO.
2022CPT.07.09.20171, 2023CPT.07.09.20791	8	

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	1220000000-E	1297000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E	1775000000-E	1838000000-E	2845000000-N	4413000000-E	4457000000-N	4890000000-E	4890000000-E	4890000000-E	
										MI	FT	TONS	SY	SY	TONS	TON	TONS	SY	GAL	EA	SF	LS	LF	LF	LF	
2022CPT.07.09.20171	Caswell	1	SR 1500 - OLD 86	FROM US 158 TO NC 86	1,2	2	2WU	NO	NO	8.645	20	463	1,400	1,580	10,019	654	50	108,365	35,761	2	989	1.00	93,500	82,500	300	
TOTAL FOR MAP NO. 1											8.645		463	1,400	1,580	10,019	654	50	108,365	35,761	2	989	1	93,500	82,500	300
2022CPT.07.09.20171	Caswell	2	SR 1133 - CHERRY GROVE RD	FROM ROCKINGHAM COUNTY LINE TO NC 62	1	2	2WU	NO	NO	11.193	20	663		258	13,002	848	70	142,434	47,003		1,283		121,000	99,000	600	
TOTAL FOR MAP NO. 2											11.193		663		258	13,002	848	70	142,434	47,003	1,283		121,000	99,000	600	
2022CPT.07.09.20171	Caswell	3	SR 1144 - BROWN'S CHAPEL RD	From SR 1142 Browns Rd to SR 1133 Cherry Grove Rd	1	2	2WU	NO	NO	0.871	21	118		708	1,074	71	30	11,758	3,880		101		9,500	4,500	40	
TOTAL FOR MAP NO. 3											0.871		118		708	1,074	71	30	11,758	3,880	101		9,500	4,500	40	
TOTAL FOR PROJ NO. 2022CPT.07.09.20171											20.709		1,244	1,400	2,546	24,095	1,573	150	262,557	86,644	2	2,373	1	224,000	186,000	940
2023CPT.07.09.20791	Rockingham	4	SR 2616 - CHERRY GROVE RD	FROM NC 87 TO CASWELL COUNTY LINE	1	2	2WU	NO	NO	0.356	21	33		200	415	27	7	4,544	1,500		40		3,800	3,800		
TOTAL FOR MAP NO. 4											0.356		33		200	415	27	7	4,544	1,500	40		3,800	3,800		
TOTAL FOR PROJ NO. 2023CPT.07.09.20791											0.356		33		200	415	27	7	4,544	1,500	40		3,800	3,800		
GRAND TOTAL											21.065		1,277	1,400	2,746	24,510	1,600	157	267,101	88,144	2	2,413	1	227,800	189,800	940