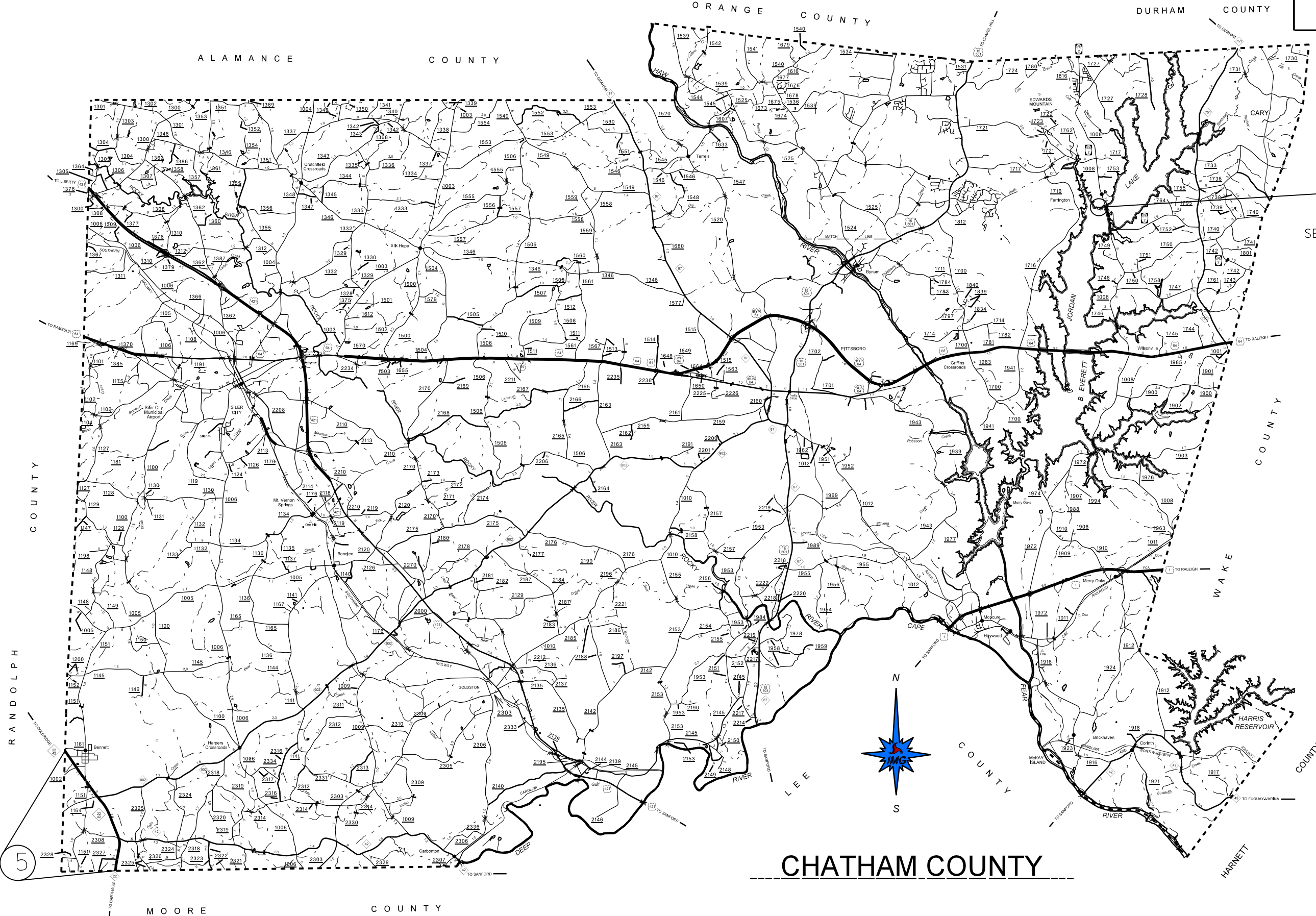


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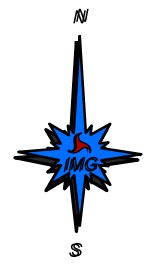
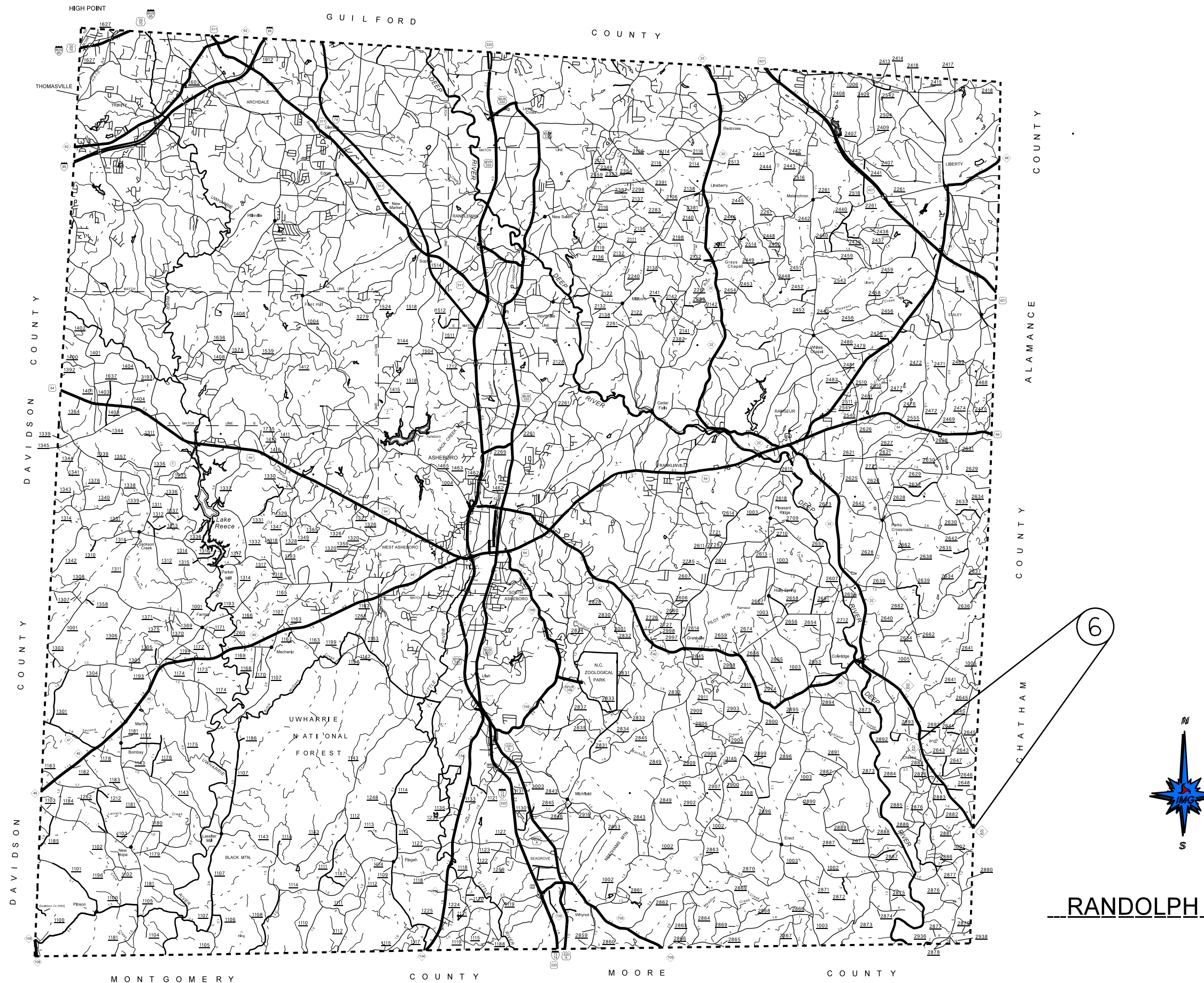
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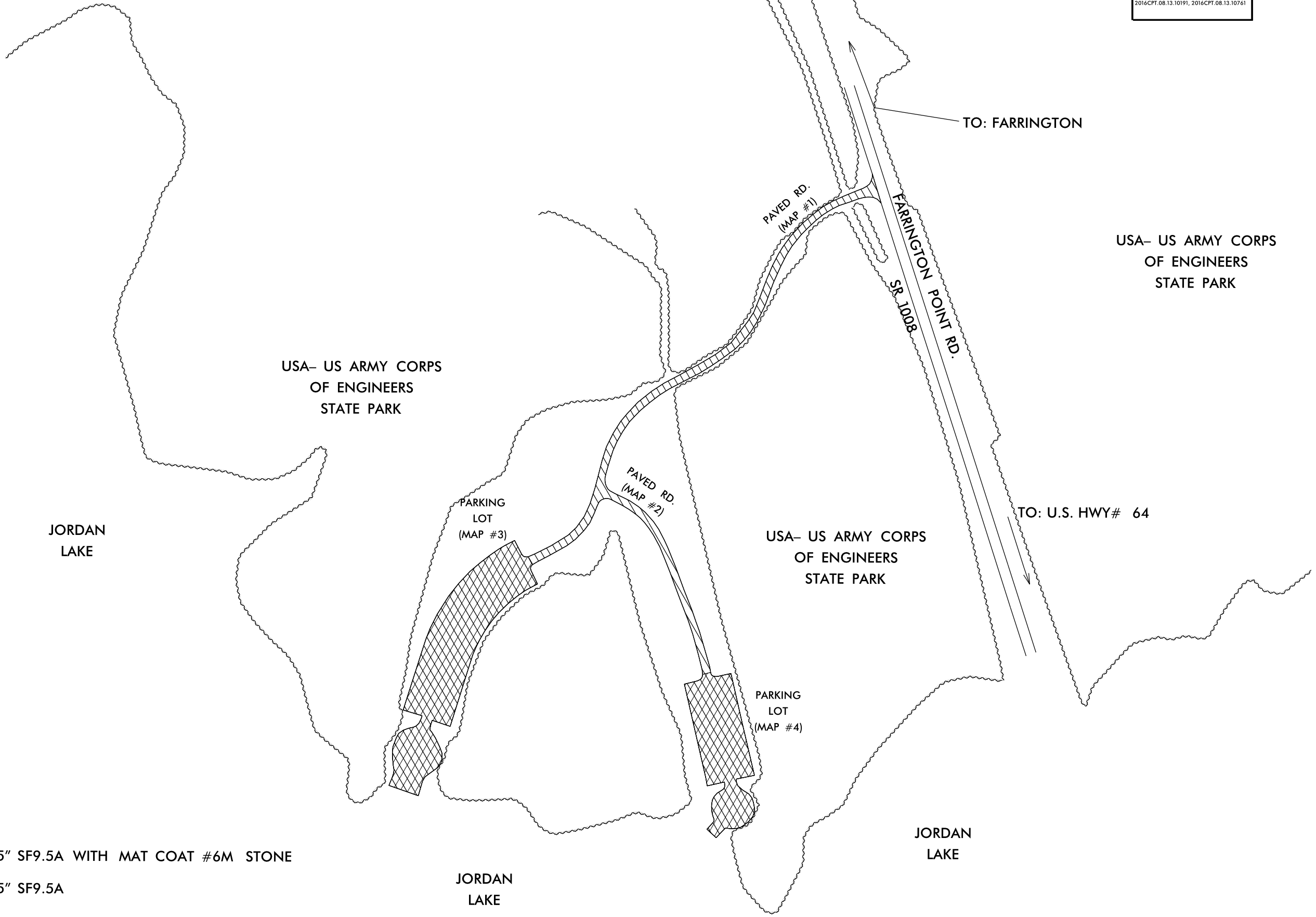
1-4
SEE SHEET NO. 3

CHATHAM COUNTY



WBS ELEMENT	SHEET NO.
36249.3537	2
2016CPT.08.13.10191	
2016CPT.08.13.10761	



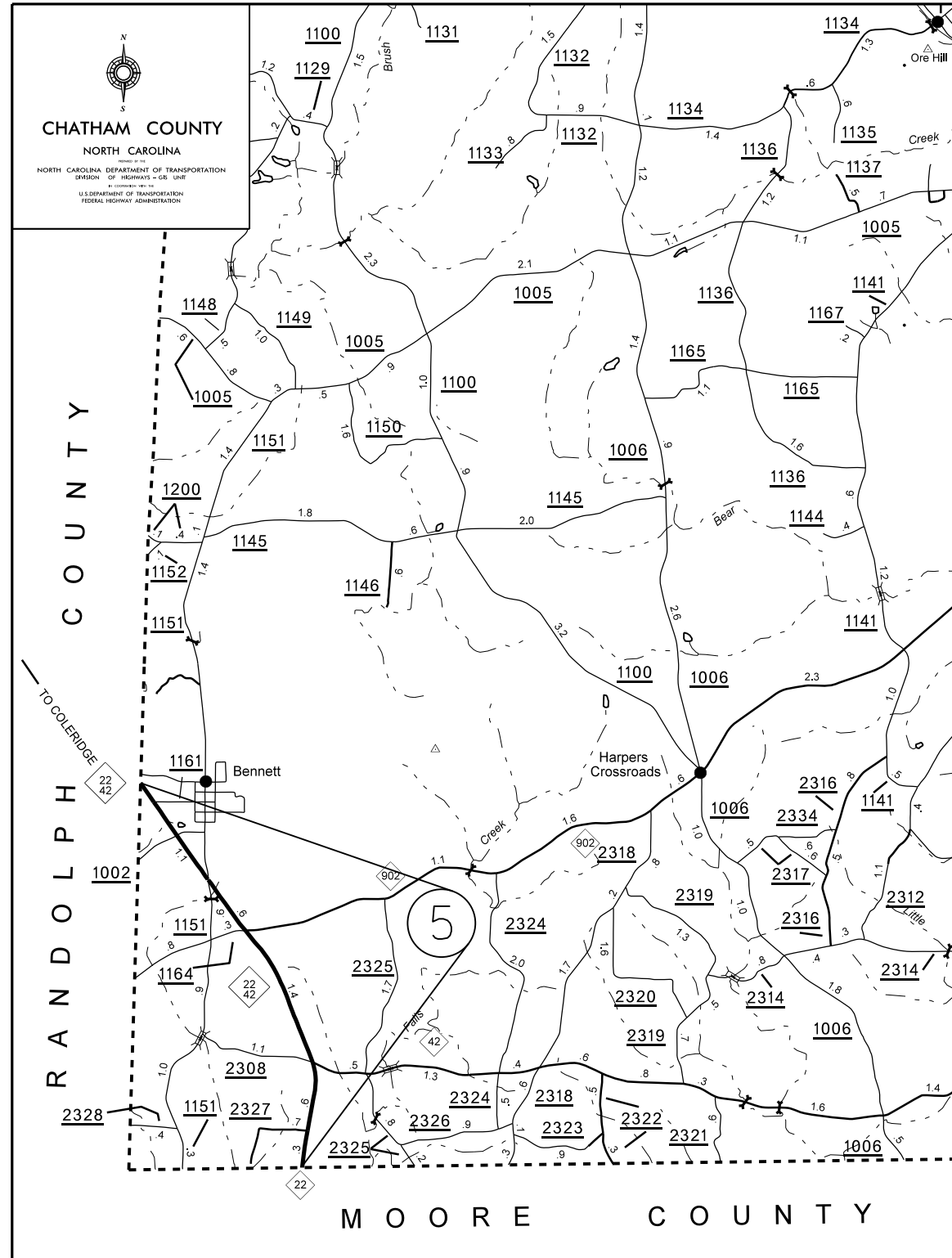
RANDOLPH COUNTY



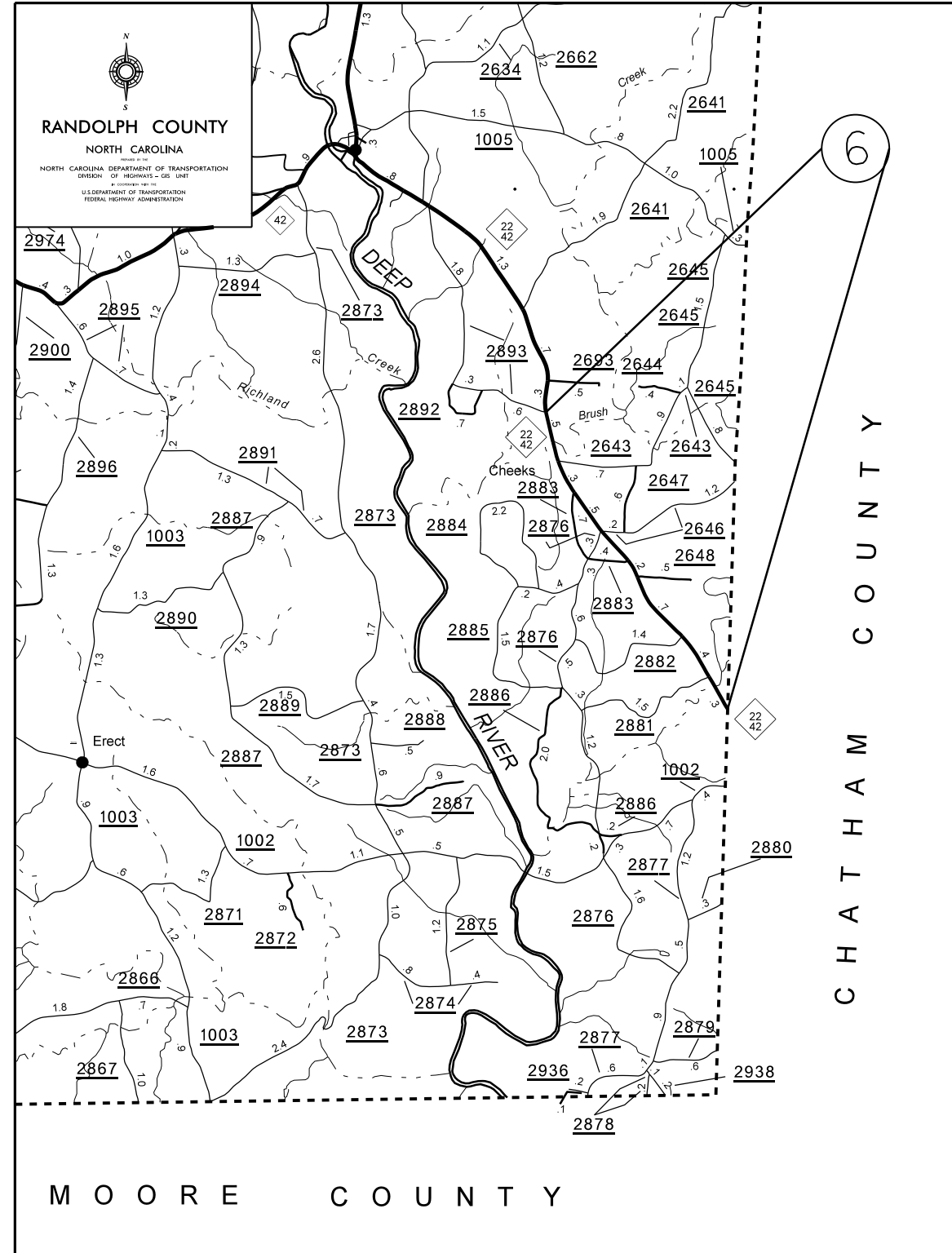
LEGEND:

-  1.25" SF9.5A WITH MAT COAT #6M STONE
-  1.25" SF9.5A

MAP #5

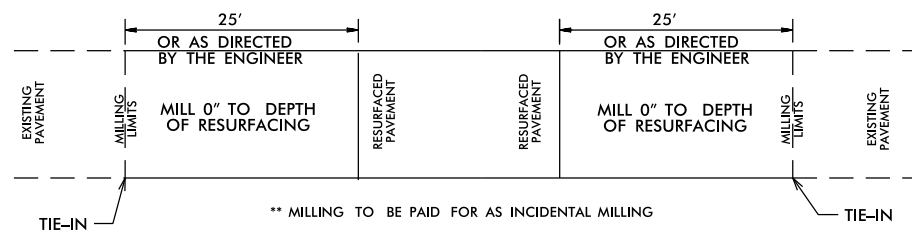
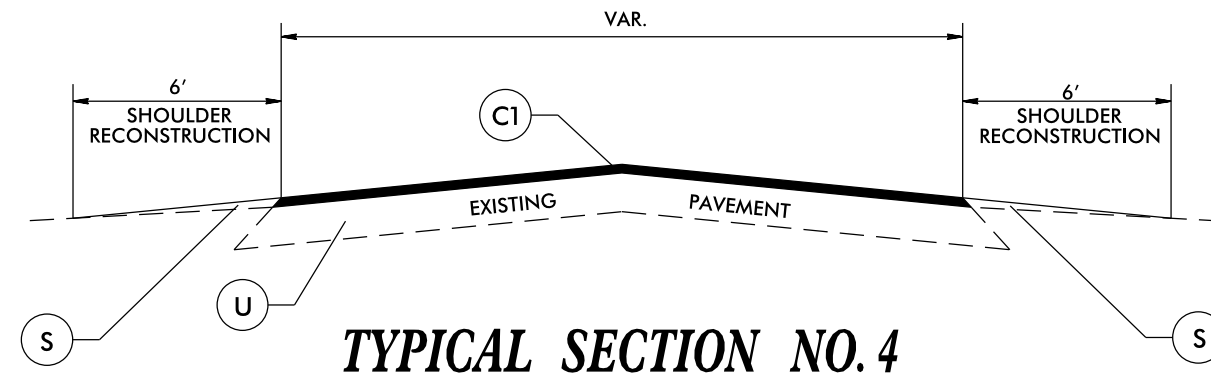
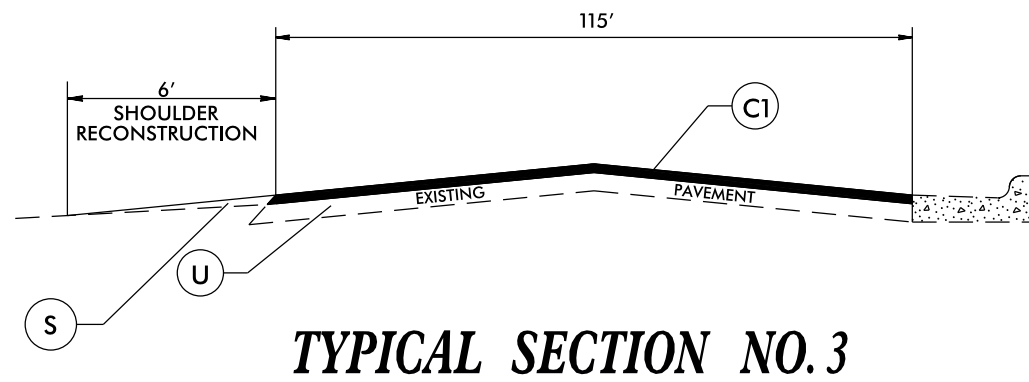
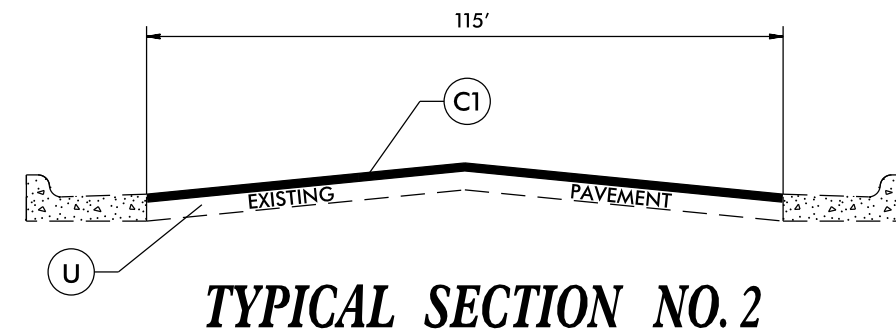
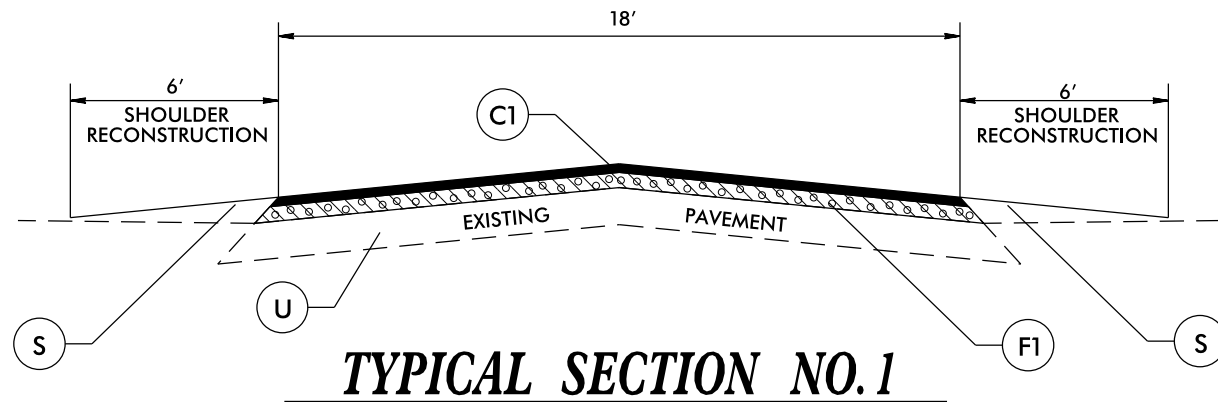


MAP #6

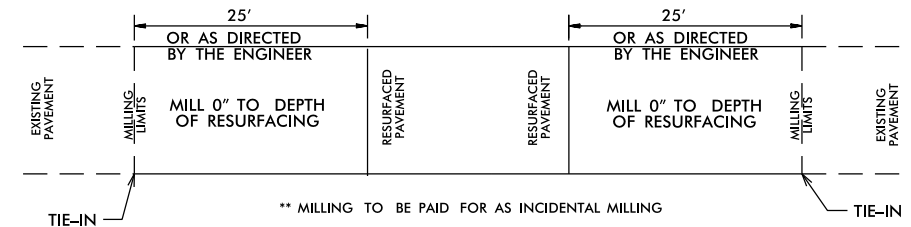
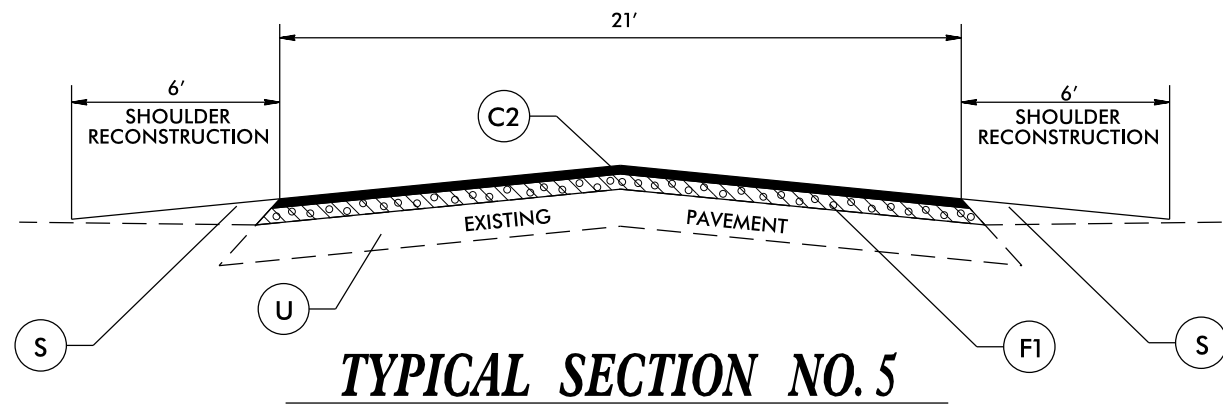


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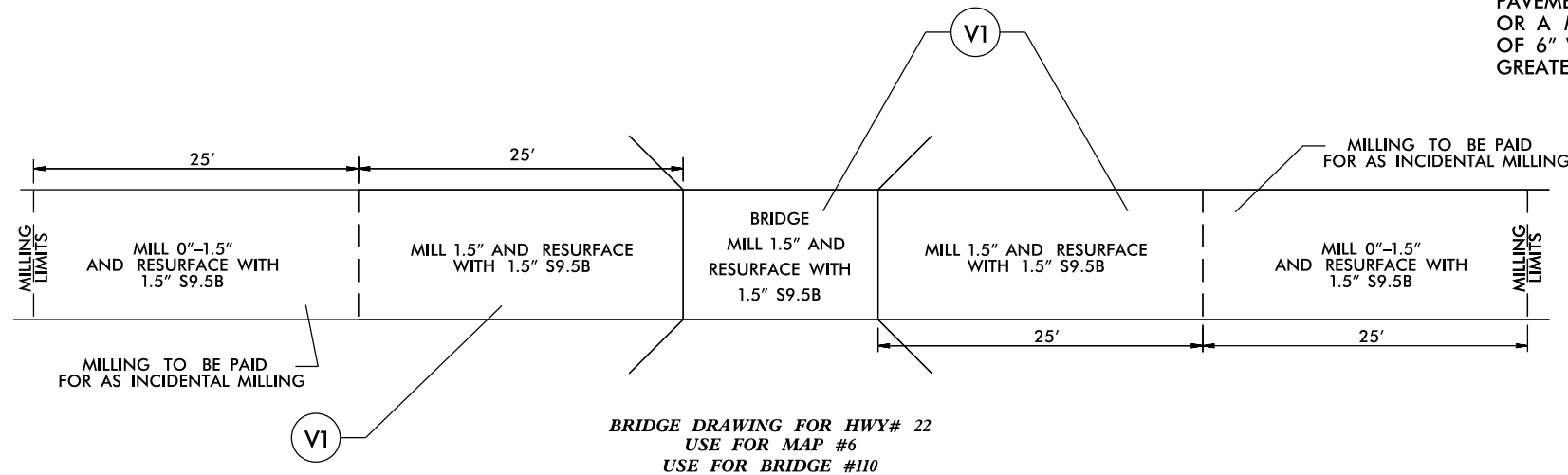
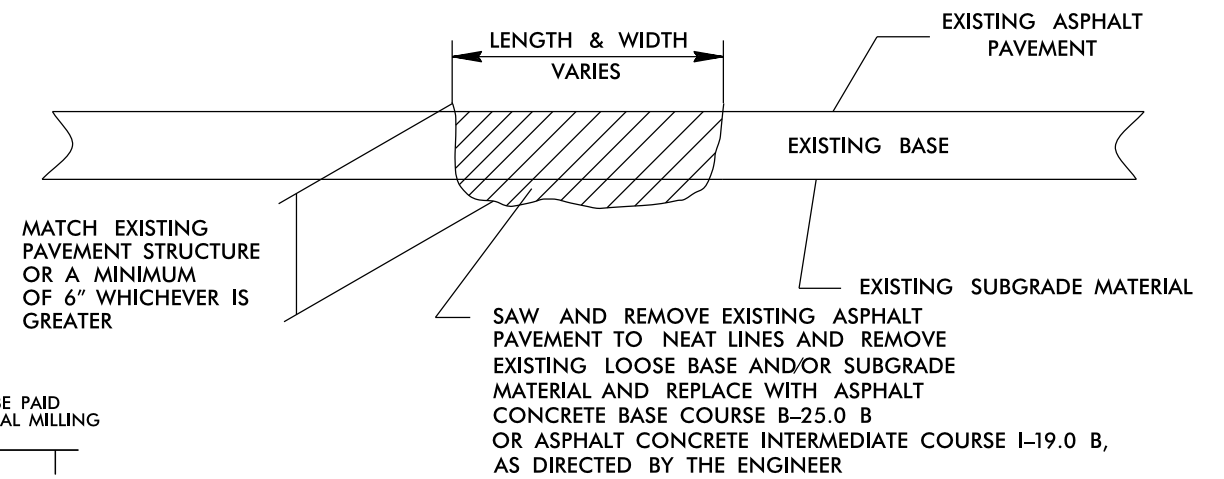
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thom & Hodge, Inc. March 2016 Letting\Chatham_Randolph_Mar_2016 Revised Files\Chatham_Randolph_VicMaps.dgn
\$\$\$\$\$SERIAL\$\$\$\$\$



PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE SF9.5A, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
F1	ASPHALT SURFACE TREATMENT, MAT COAT WITH #6M STONE
S	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT.

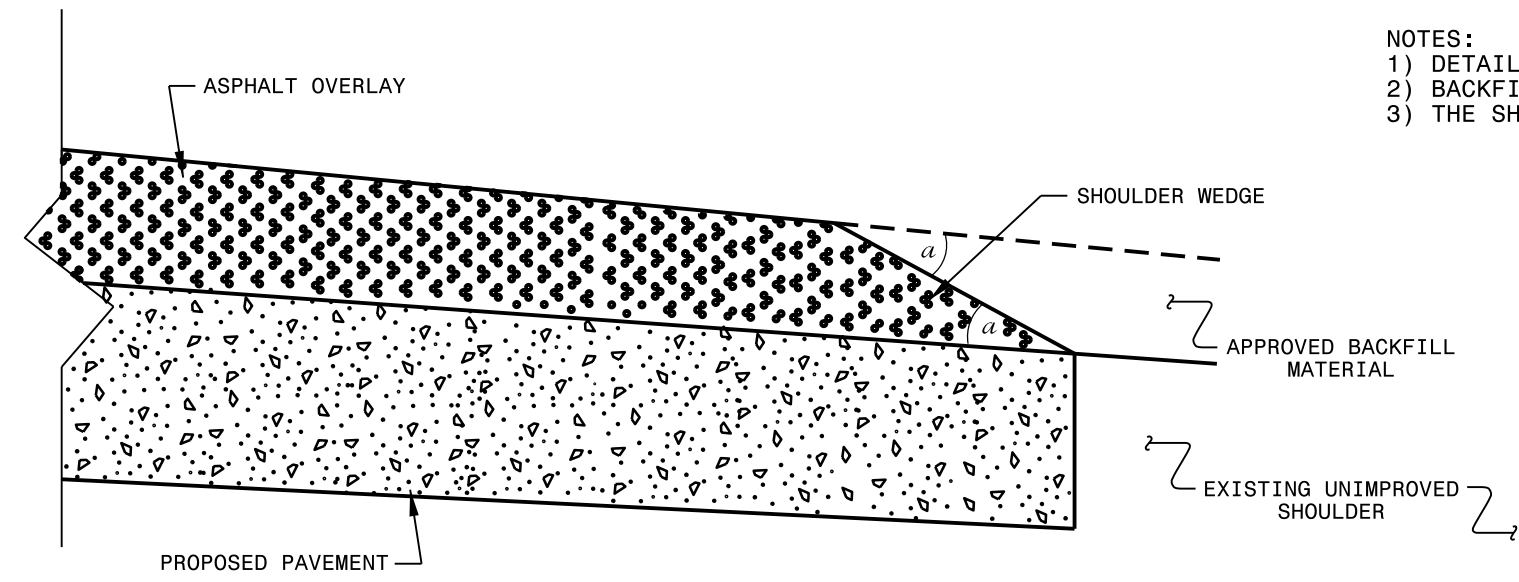


**DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING
DETAIL**

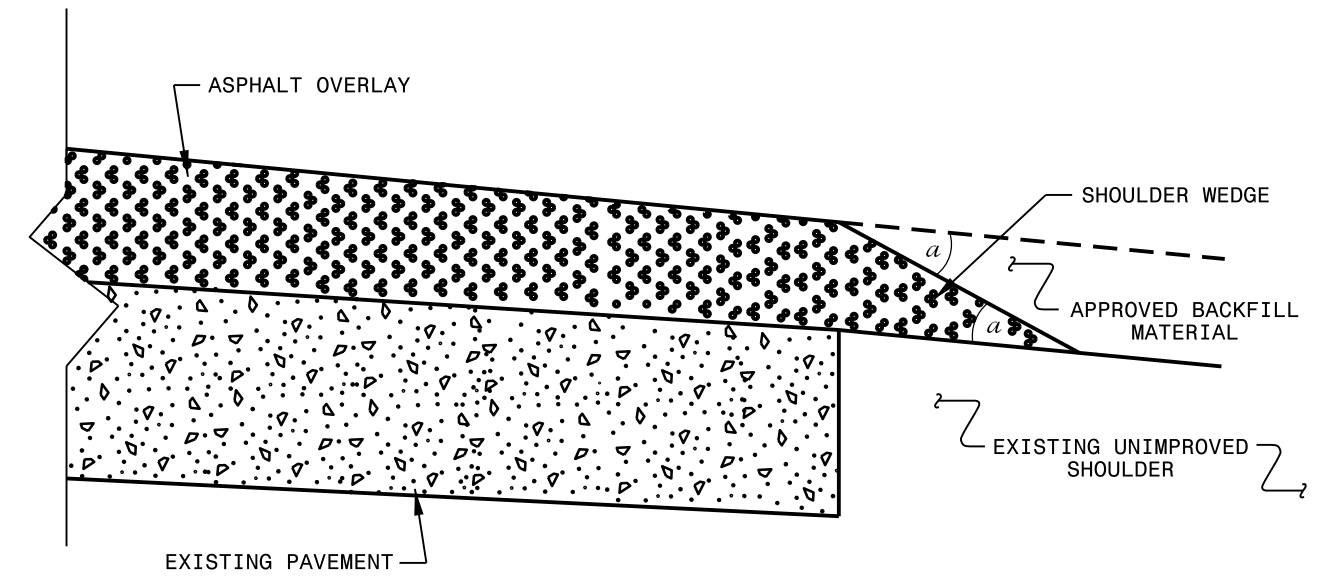


PAVEMENT SCHEDULE	
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
F1	ASPHALT SURFACE TREATMENT, MAT COAT WITH #6M STONE
S	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT.
V1	MILLING 1.5" IN DEPTH

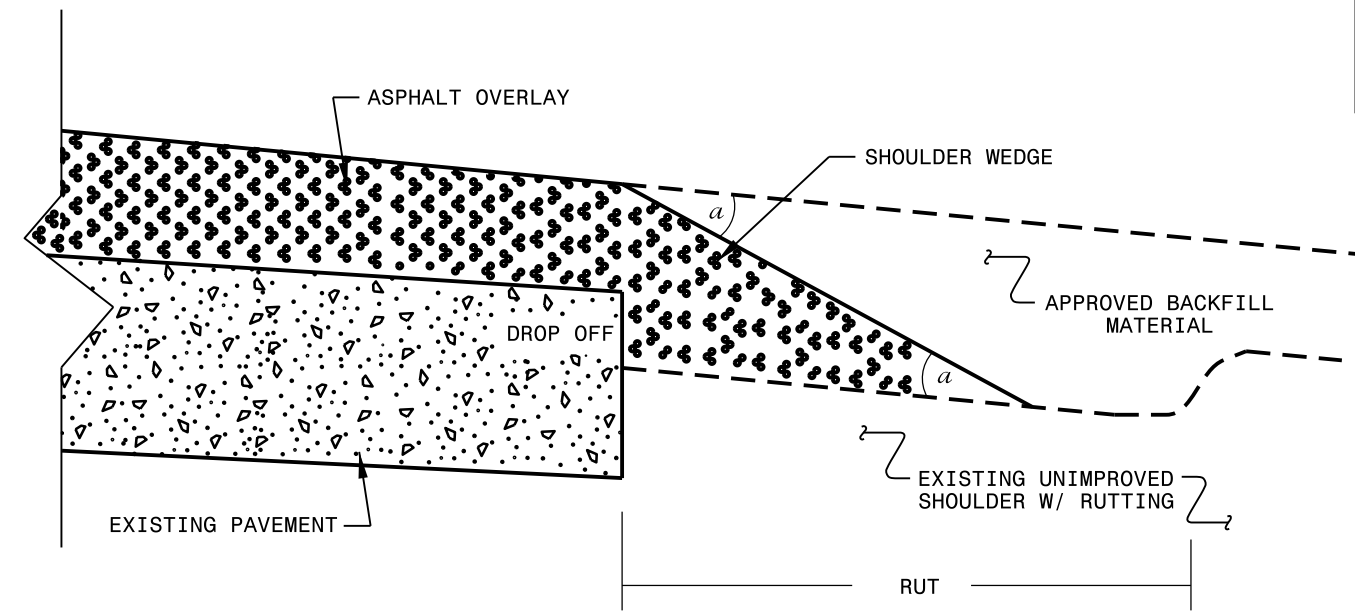
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



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.: susr/details/stand/shoulderwedgedetail.dgn	

01-FEB-2016 13:31
 S:\Contracts\Resurfacing Projects\Shoulder Wedge Details\Revised Shoulder Wedge Detail.dgn
 \$\$\$USERNAME\$\$\$

PROJECT NO.	SHEET NO.	TOTAL NO.
36249.3537, 2016CPT.08.13.10191	8	
2016CPT.08.13.10761,		

SUMMARY OF QUANTITIES

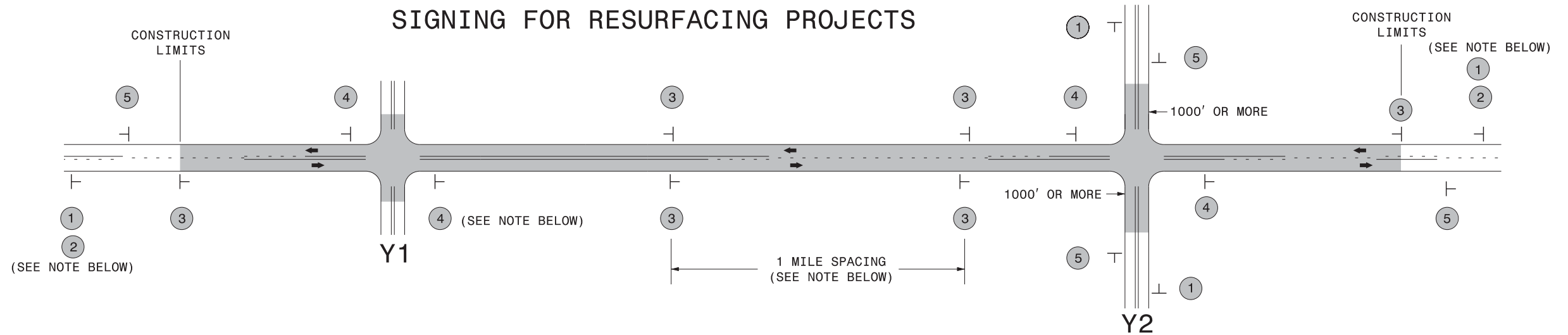
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH MI	WIDTH FT	AGGREGATE SHOULDER BORROW TON	SHOULDER RECONSTRUCTION SMI	INCIDENTAL MILLING SY	SURFACE COURSE, S9.5B TONS	SURFACE COURSE, SF9.5A TON	ASPHALT BINDER FOR PLANT MIX TONS	PATCHING EXISTING PAVEMENT TONS	ASPHALT SURFACE TREATMENT, MATCOAT, #6M STONE SY	EMULSION FOR ASPHALT SURFACE TREATMENT GAL	ADJUST METER OR VALVE BOX EA
36249.3537	Chatham	1	FERRINGTON POINT BOAT RAMP ACCESS ROAD W PARKING LOT	FROM SR 1008 TO PARKING LOT	1	2		NO	NO	0.242	18	70	0.48	200		194	13	100	2,600	895	
TOTAL FOR MAP NO. 1										0.242		70	0.48	200		194	13	100	2,600	895	
36249.3537	Chatham	2	FERRINGTON POINT BOAT RAMP ACCESS ROAD E PARKING LOT	FROM MAIN ROAD TO EASTERN PARKING LOT	1	2		NO	NO	0.1	18	20	0.20			77	5	10	1,060	370	
TOTAL FOR MAP NO. 2										0.1		20	0.20			77	5	10	1,060	370	
36249.3537	Chatham	3	WESTERN PARKING AREA / RAMPS	PARKING AREA / RAMPS	2,3,4	2		NO	NO	0.122	115	20	0.10			604	40	10	0		
TOTAL FOR MAP NO. 3										0.122		20	0.10			604	40	10	0		
36249.3537	Chatham	4	EASTERN PARKING AREA / RAMPS	PARKING AREA / RAMPS	2,4	2		NO	NO	0.07	115	20	0.09			341	23	10	0		
TOTAL FOR MAP NO. 4										0.07		20	0.09			341	23	10	0		
TOTAL FOR PROJ NO. 36249.3537										0.534		130	0.87	200		1,216	81	130	3,660	1,265	
2016CPT.08.13.10191	Chatham	5	NC 22/42	FROM MOORE COUNTY TO RANDOLPH COUNTY	5	2	2WU	NO	NO	4.055	21	1,250	8.11	1,170	4,645		279	500	50,000	18,000	1
TOTAL FOR MAP NO. 5										4.055		1,250	8.11	1,170	4,645		279	500	50,000	18,000	1
TOTAL FOR PROJ NO. 2016CPT.08.13.10191										4.055		1,250	8.11	1,170	4,645		279	500	50,000	18,000	1
2016CPT.08.13.10761	Randolph	6	NC 22/42	FROM CHATHAM CO LINE TO SR 2893 (LOG CABIN RD)	5	2	2WU	NO	NO	3.24	21	910	6.48	425	3,905		234	800	40,000	14,000	
TOTAL FOR MAP NO. 6										3.24		910	6.48	425	3,905		234	800	40,000	14,000	
TOTAL FOR PROJ NO. 2016CPT.08.13.10761										3.24		910	6.48	425	3,905		234	800	40,000	14,000	
GRAND TOTAL										7.829		2,290	15.46	1,795	8,550	1,216	594	1,430	93,660	33,265	1

PROJECT NO.	SHEET NO.	TOTAL NO.
36249.3537, 2016CPT.08.13.10191 2016CPT.08.13.10761,	9	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4685000000-E	4686000000-E			4725000000-E	4810000000-E			4820000000-E	4835000000-E	4905000000-N
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	4" X 90 M WHITE THERMO	4" X 120 M WHITE THERMO	4" X 120 M YELLOW THERMO	THERMO HANDICAP PARKING 90 M	4" YELLOW PAINT	4" WHITE PAINT	8" WHITE PAINT	24" WHITE PAINT	SNOW PLOWABLE MARKERS Y & Y MARKERS EA		
										SF	LS	LF	LF	LF	EA	LF	LF	LF	LF	LF		
36249.3537	Chatham	1	FERRINGTON POINT BOAT RAMP ACCESS ROAD W PARKING LOT	FROM SR 1008 TO PARKING LOT	1	2		0.242	18	28	1					5,111						
TOTAL FOR MAP NO. 1										28	1					5,111						
36249.3537	Chatham	2	FERRINGTON POINT BOAT RAMP ACCESS ROAD E PARKING LOT	FROM MAIN ROAD TO EASTERN PARKING LOT	1	2		0.1	18							2,112						
TOTAL FOR MAP NO. 2										0.1						2,112						
36249.3537	Chatham	3	WESTERN PARKING AREA / RAMPS	PARKING AREA / RAMPS	2,3,4	2		0.122	115						4		7,540	140	12			
TOTAL FOR MAP NO. 3										0.122					4		7,540	140	12			
36249.3537	Chatham	4	EASTERN PARKING AREA / RAMPS	PARKING AREA / RAMPS	2,4	2		0.07	115						2		4,032					
TOTAL FOR MAP NO. 4										0.07					2		4,032					
TOTAL FOR PROJ NO. 36249.3537										0.534	1				6	7,223	11,572	140	12			
																18,795						
2016CPT.08.13.10191	Chatham	5	NC 22/42	FROM MOORE COUNTY TO RANDOLPH COUNTY	5	2	2WU	4.055	21	455	*	43,635	280	46,635							270	
TOTAL FOR MAP NO. 5										4.055		43,635	280	46,635								270
TOTAL FOR PROJ NO. 2016CPT.08.13.10191										4.055		43,635	280	46,635								270
													46,915									
2016CPT.08.13.10761	Randolph	6	NC 22/42	FROM CHATHAM CO LINE TO SR 2893 (LOG CABIN RD)	5	2	2WU	3.24	21	370	*	34,865	200	19,400							215	
TOTAL FOR MAP NO. 6										3.24		34,865	200	19,400								215
TOTAL FOR PROJ NO. 2016CPT.08.13.10761										3.24		34,865	200	19,400								215
													19,600									
GRAND TOTAL										7.829	1	78,500	480	66,035	6	7,223	11,572	140	12	485		
													66,515			18,795						

SIGNING FOR RESURFACING PROJECTS



LEGEND	
	STATIONARY SIGN
←	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	MAINLINE (-L-) SIGNING		-Y- LINE SIGNING	
	1	 W20-1 48" X 48"	<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 	
	2	 W7-3aP 24" X 18"	<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>	
	3	 SP 13107 48" X 48"	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> W20-1 48" X 48" </div> <div style="text-align: center;"> W20-7 A 48" X 48" </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p>	
	4	 SP 13106 48" X 48"	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <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> <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>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>	
5	 G20-2 A 48" X 24"	<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>		



RESURFACING
ADVANCE WARNING SIGNS
FOR
RURAL AND SUBURBAN
2 LANE ROADWAYS