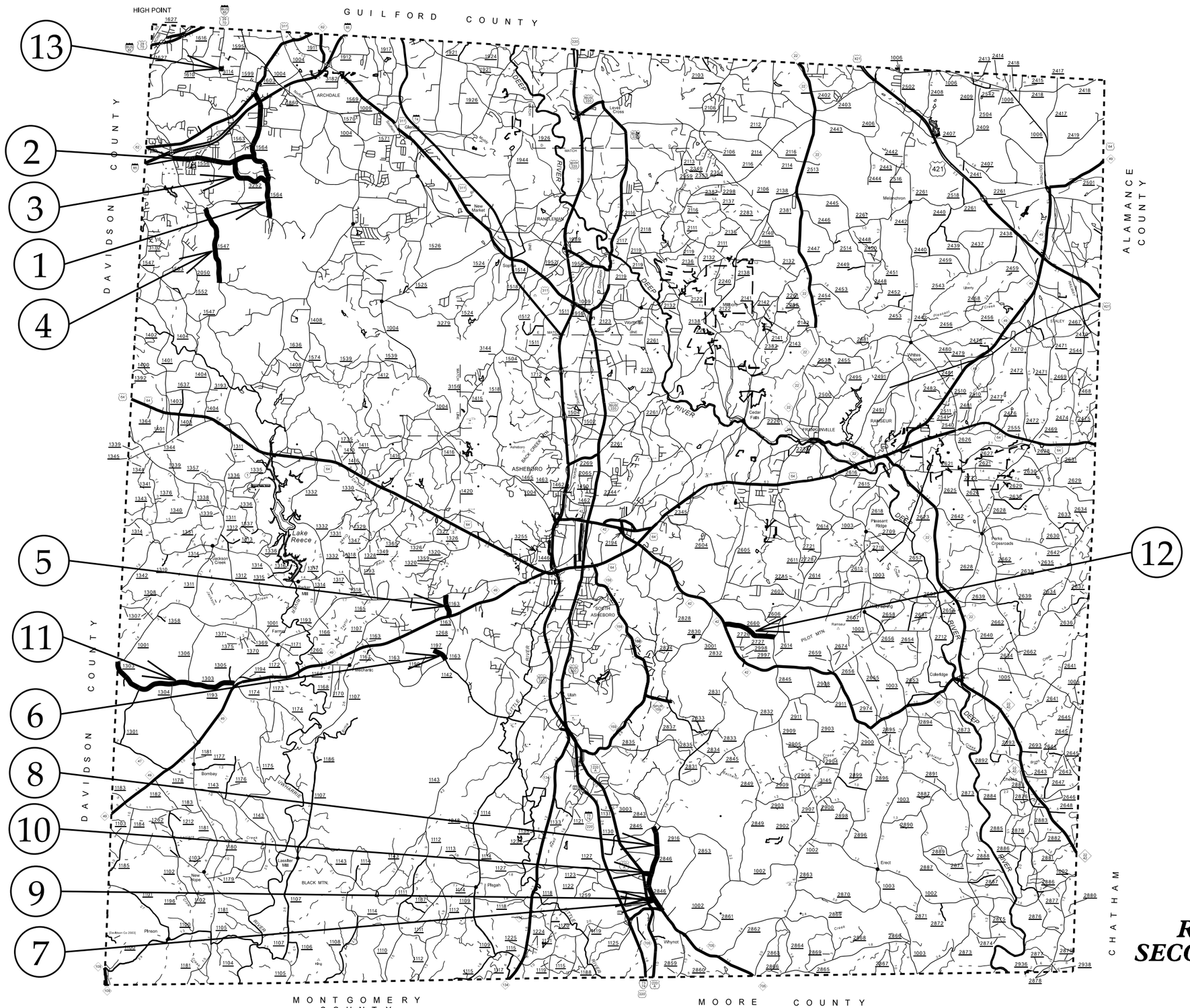
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	1



N

S

RANDOLPH COUNTY SECONDARY RESURFACING

040397

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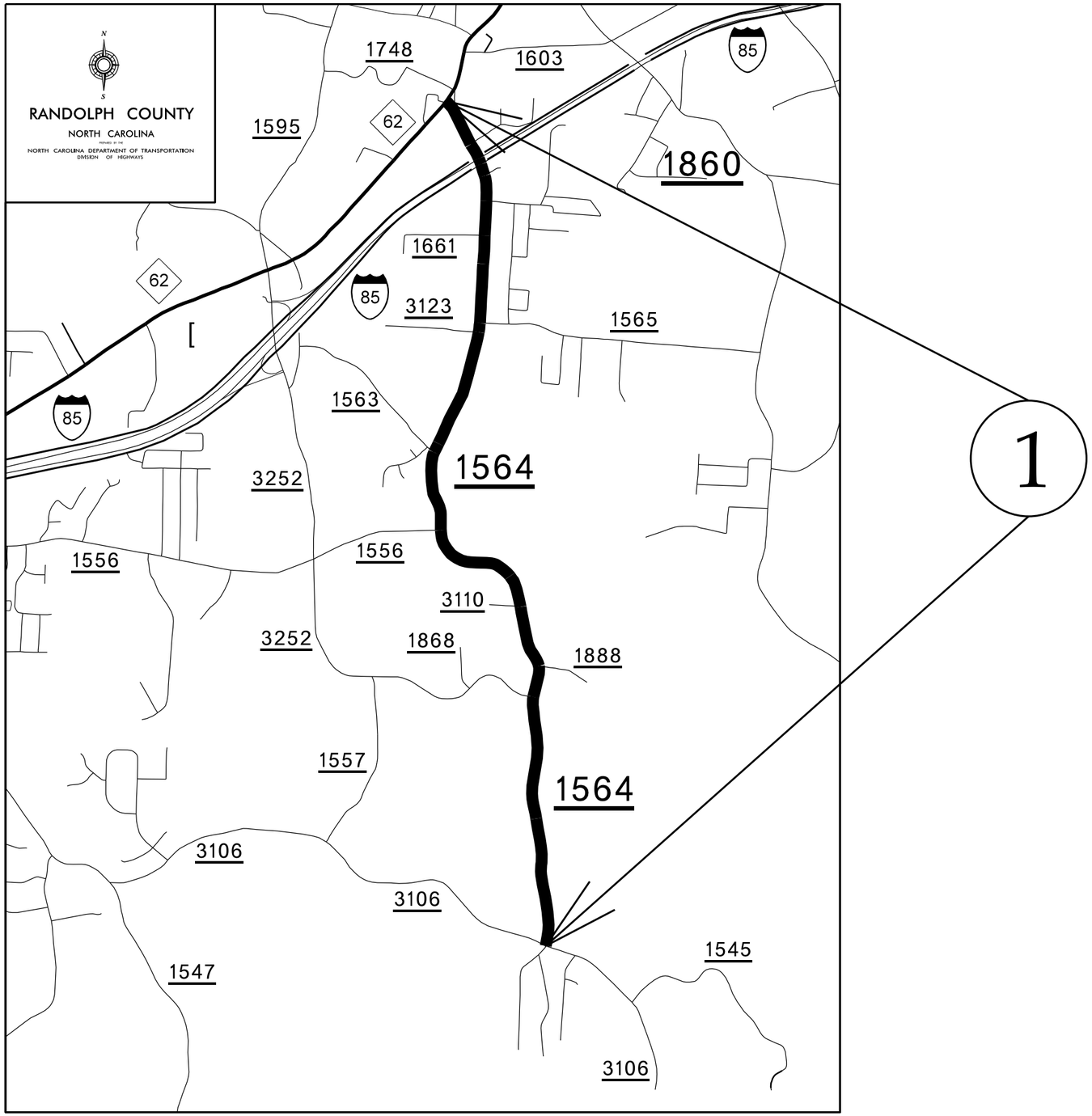
ATLDIV08-330024

WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	2

Map 1



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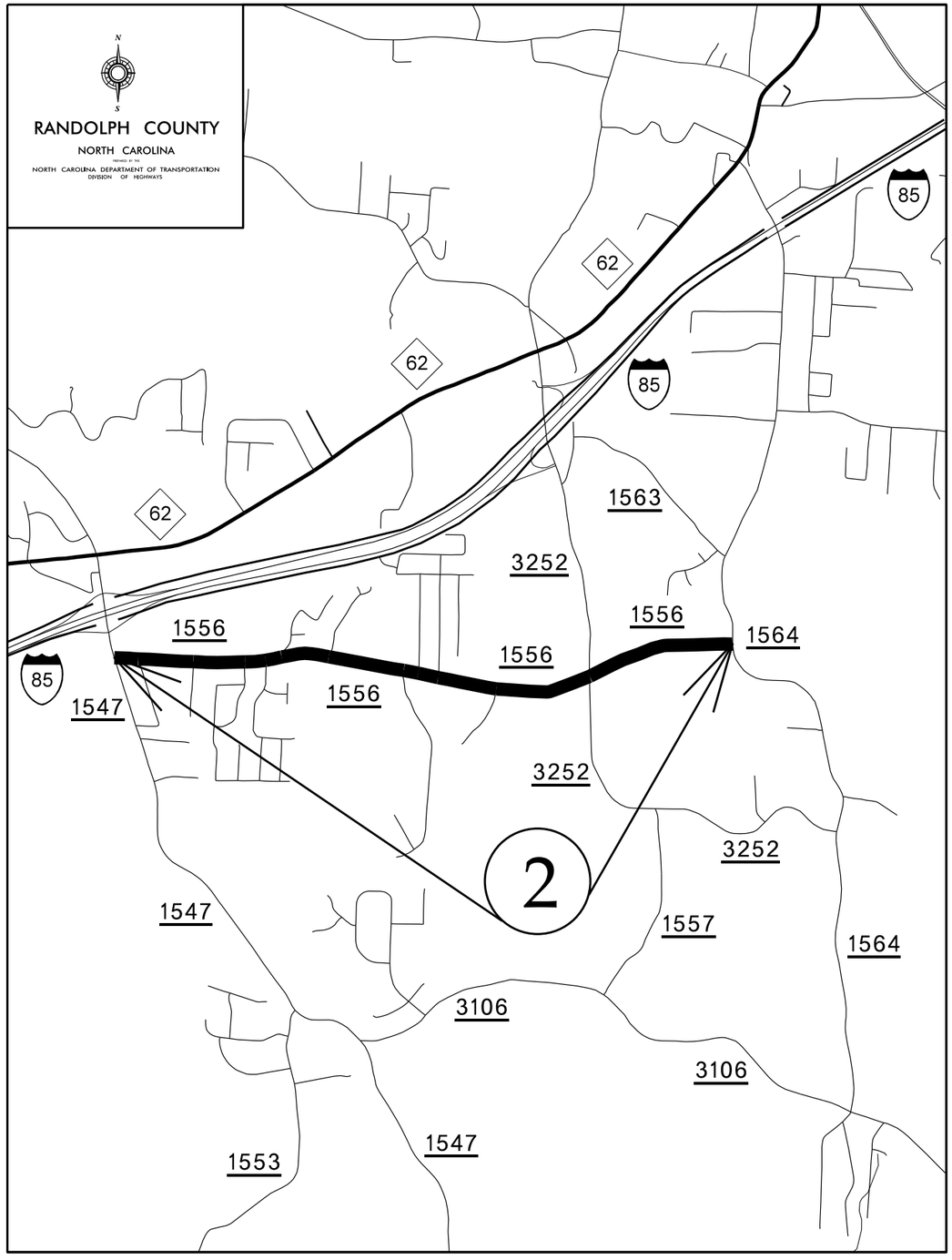
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	3

Map 2



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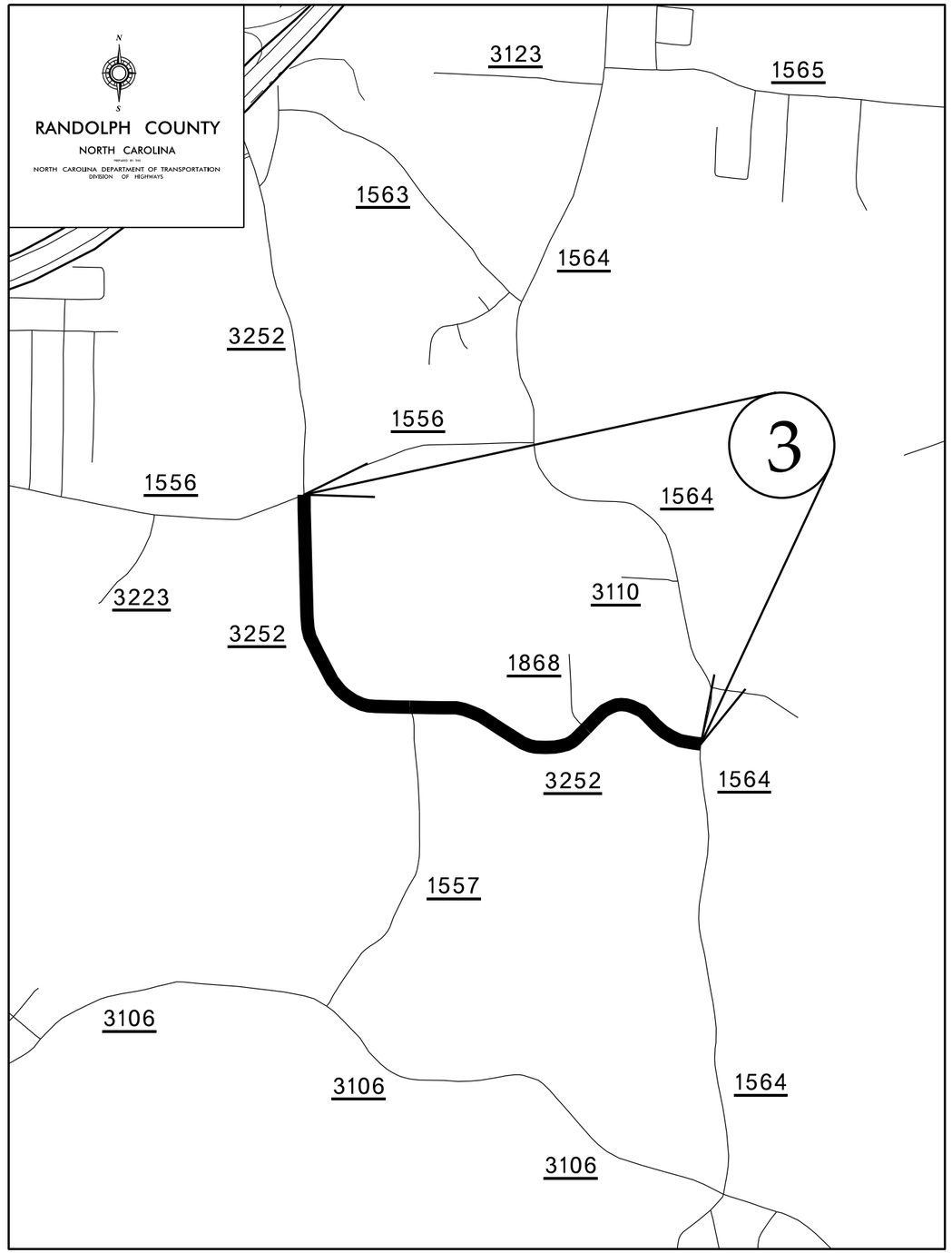
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	4

Map 3



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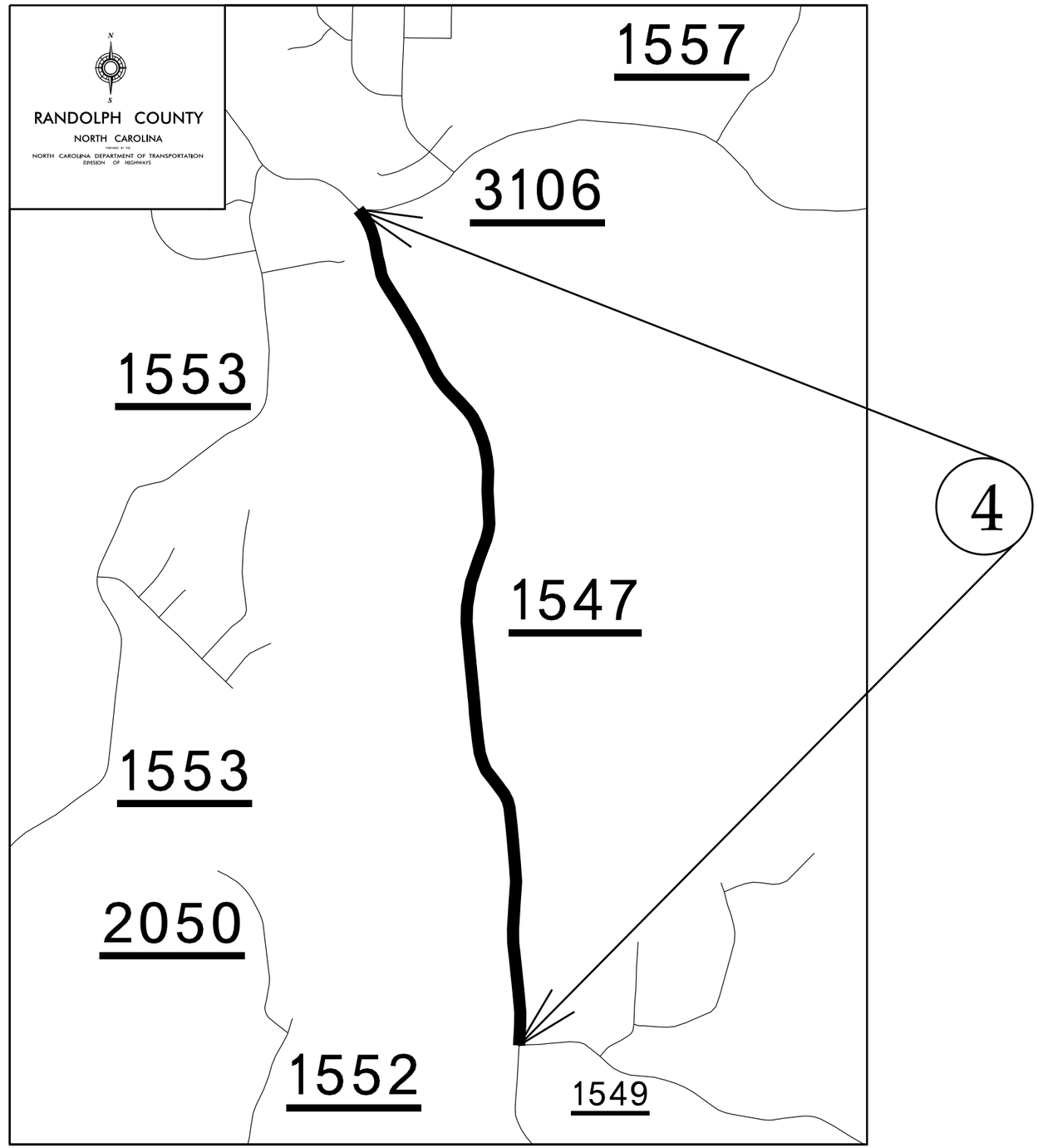
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	5

Map 4



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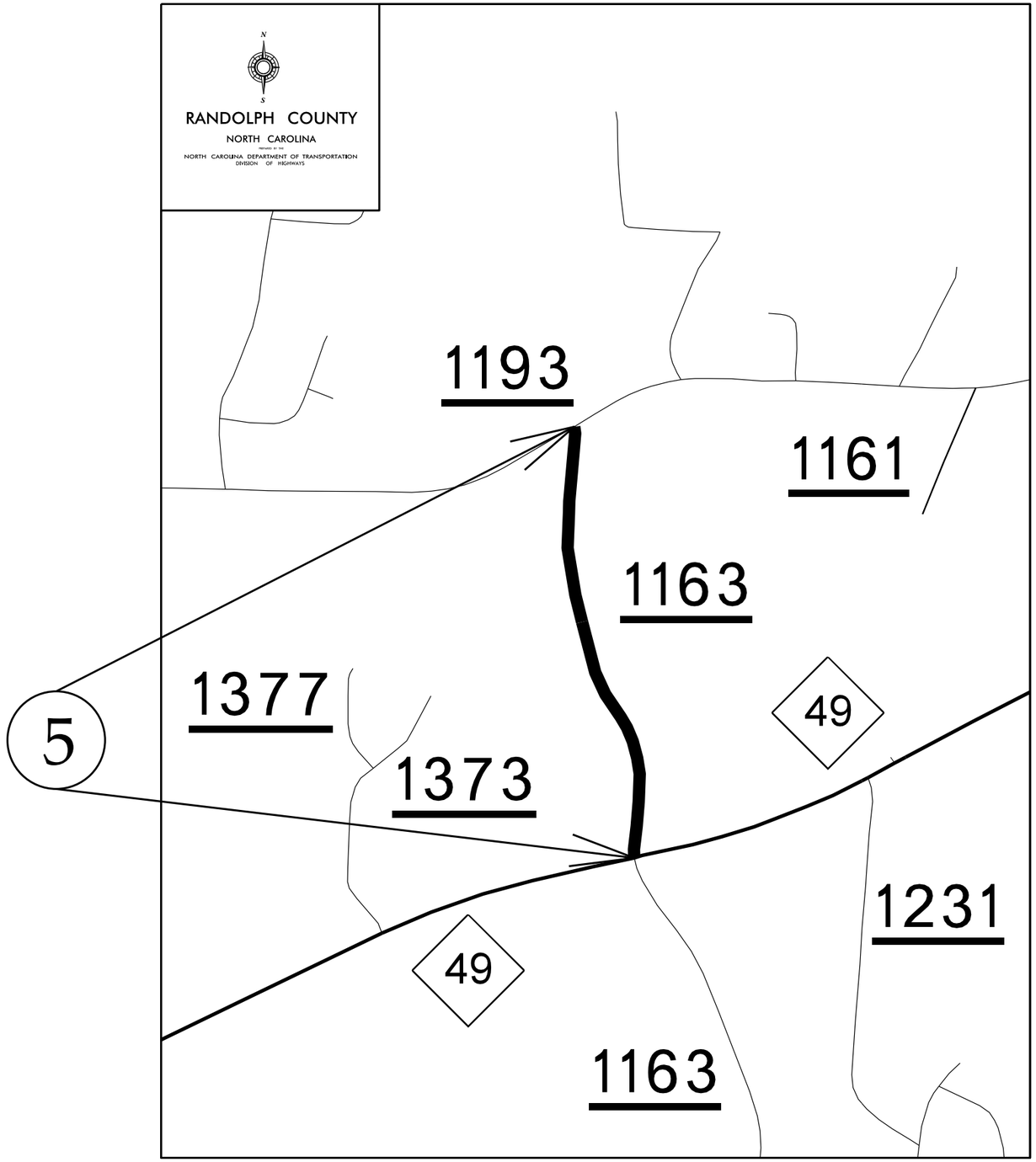
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	6

Map 5



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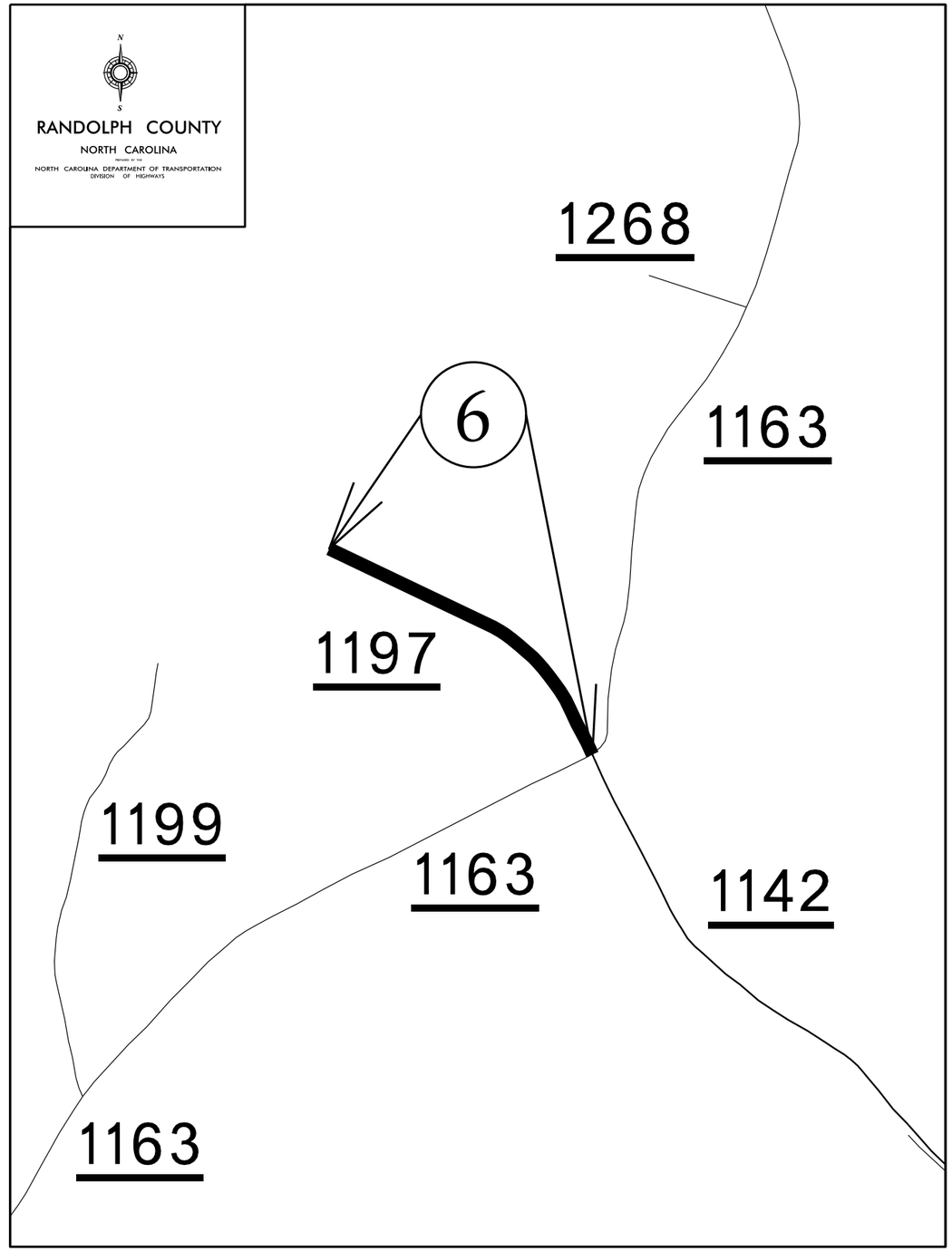
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	7

Map 6



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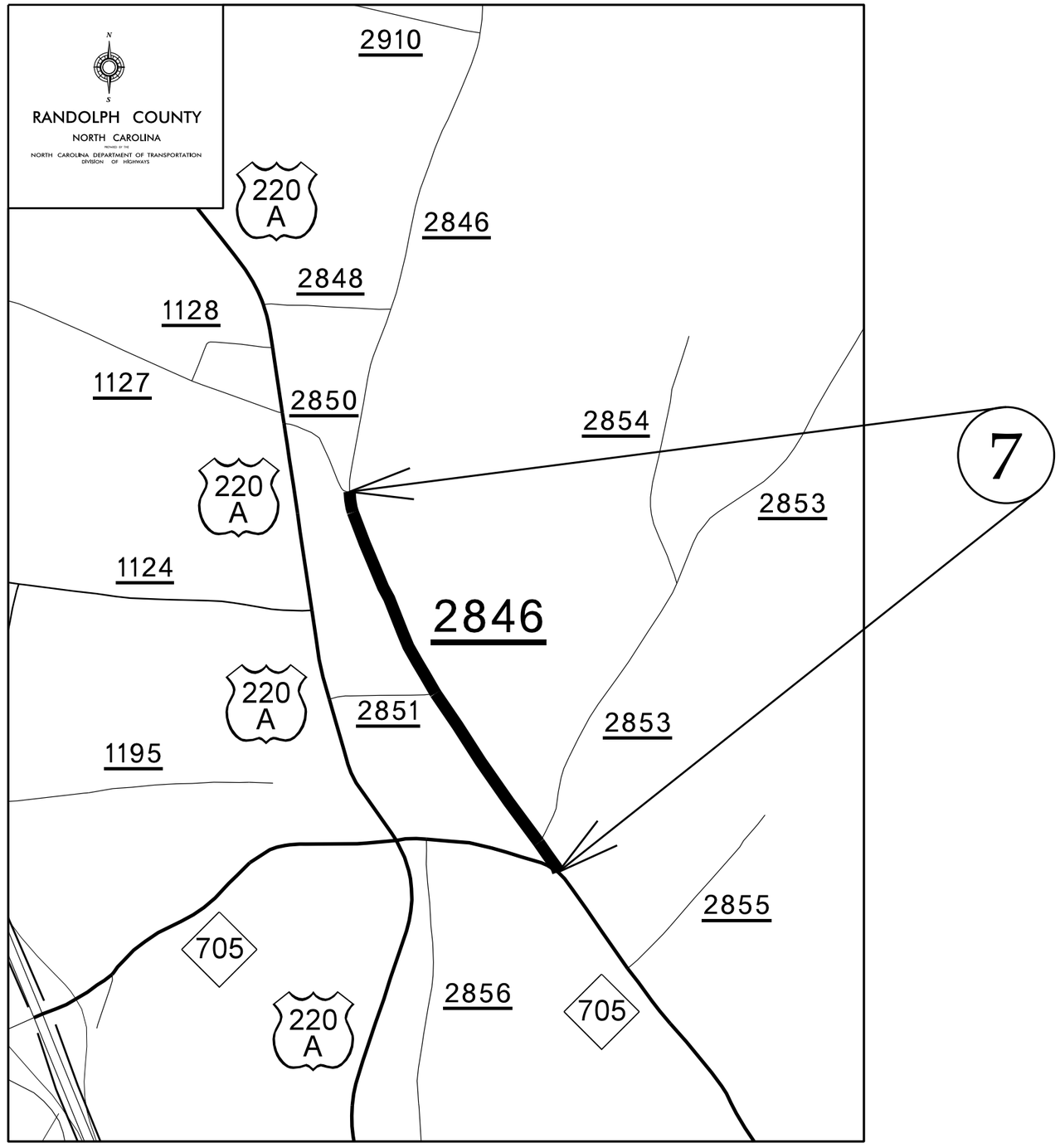
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	8

Map 7



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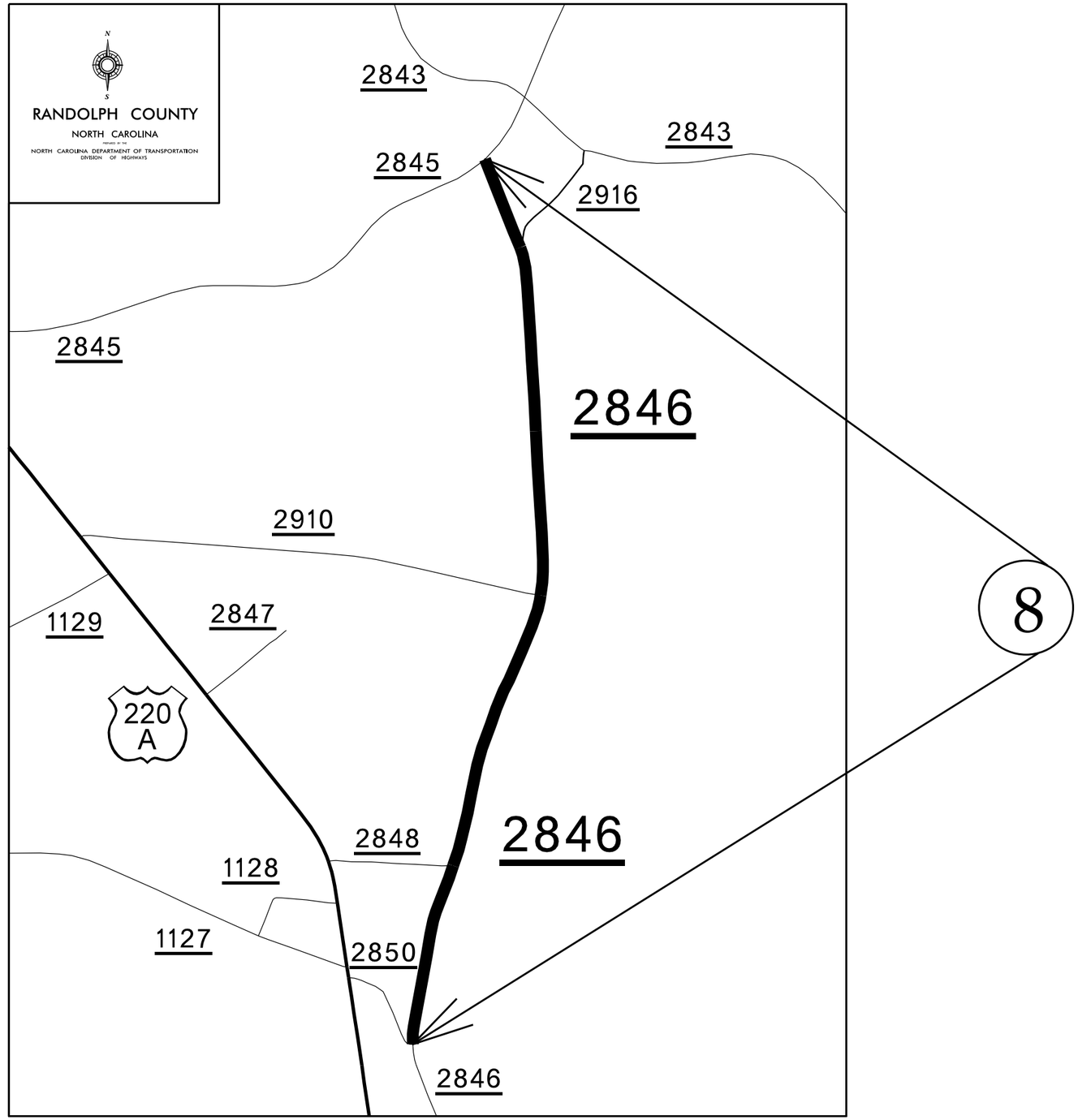
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	9

Map 8



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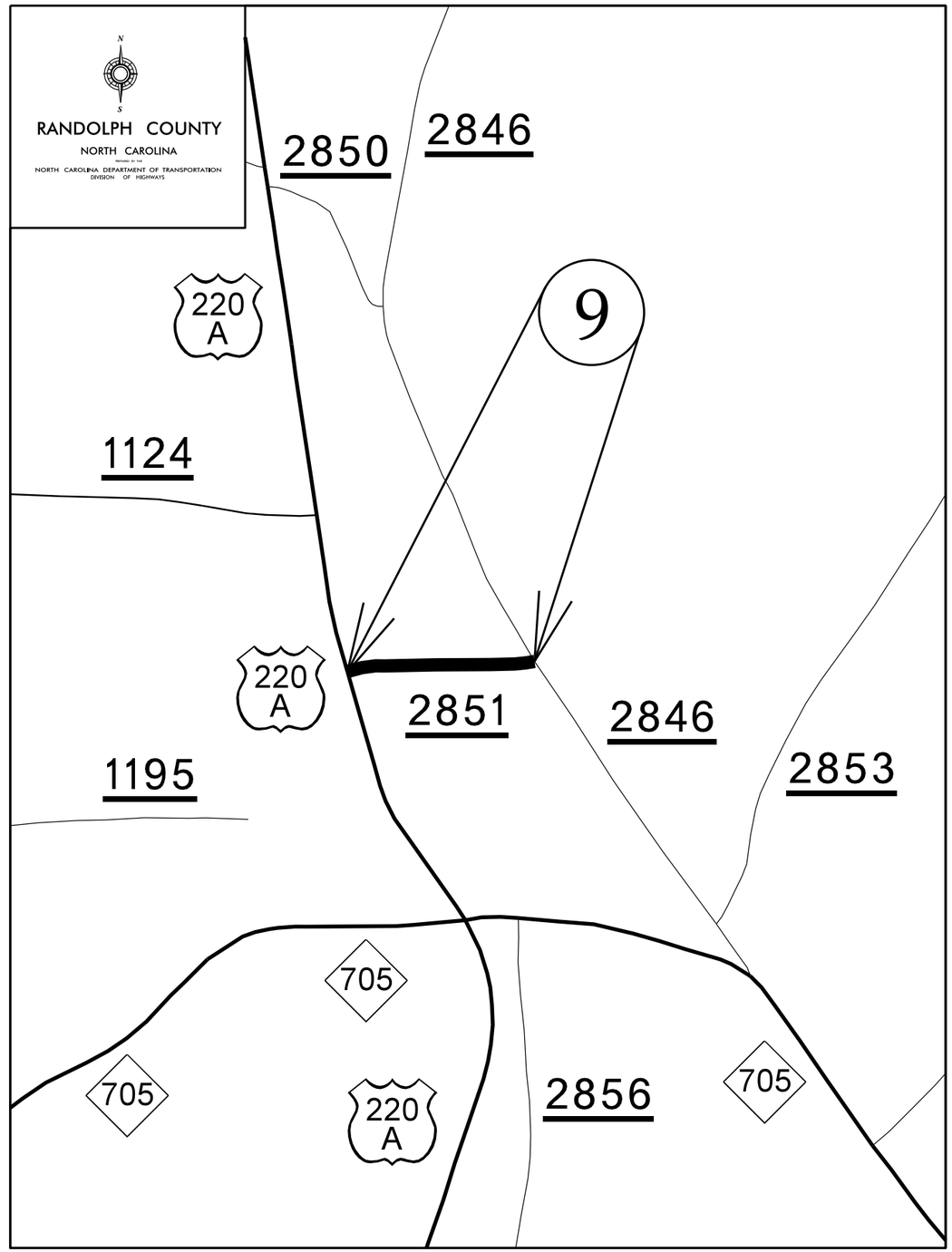
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	10

Map 9



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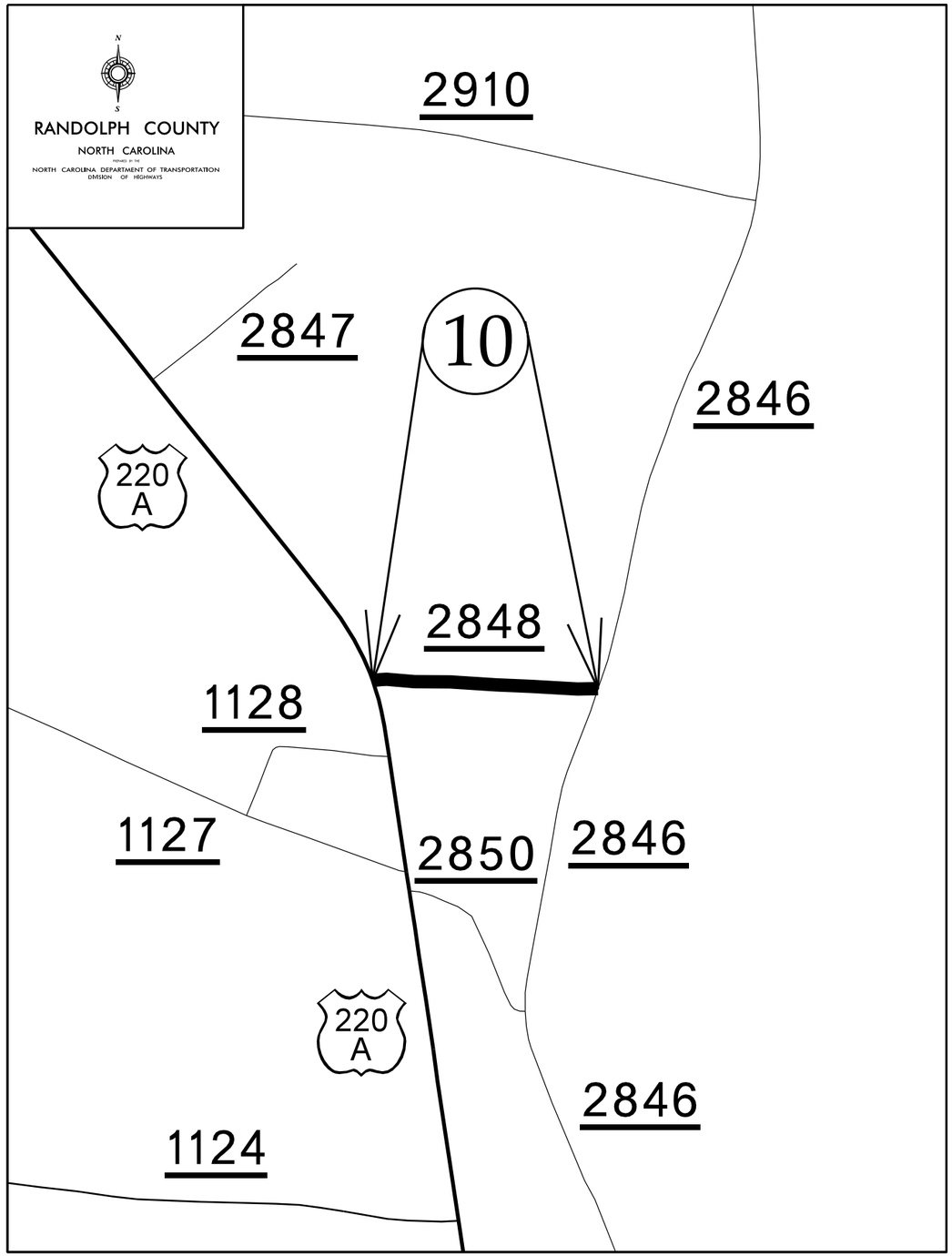
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	11

Map 10



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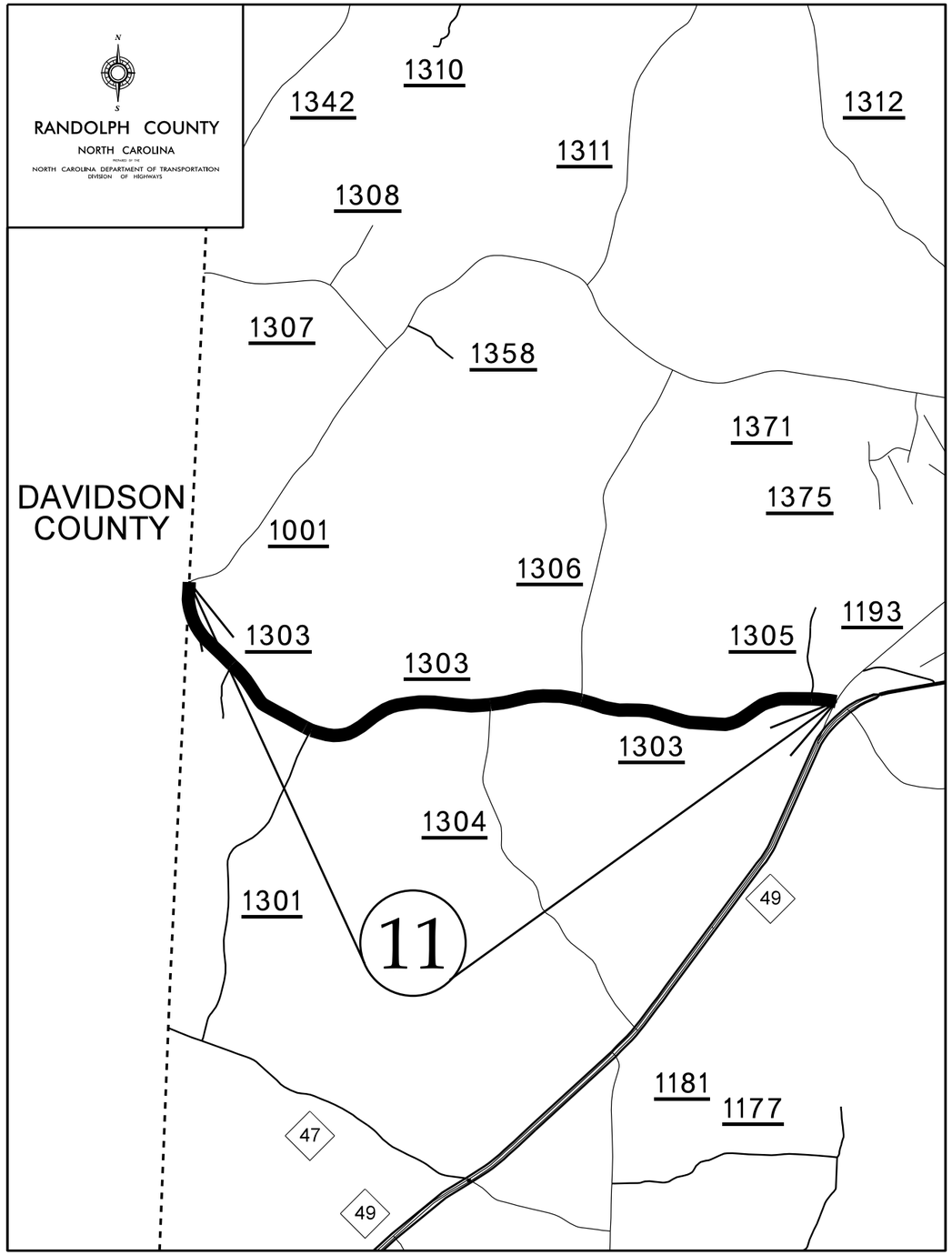
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	12

Map 11



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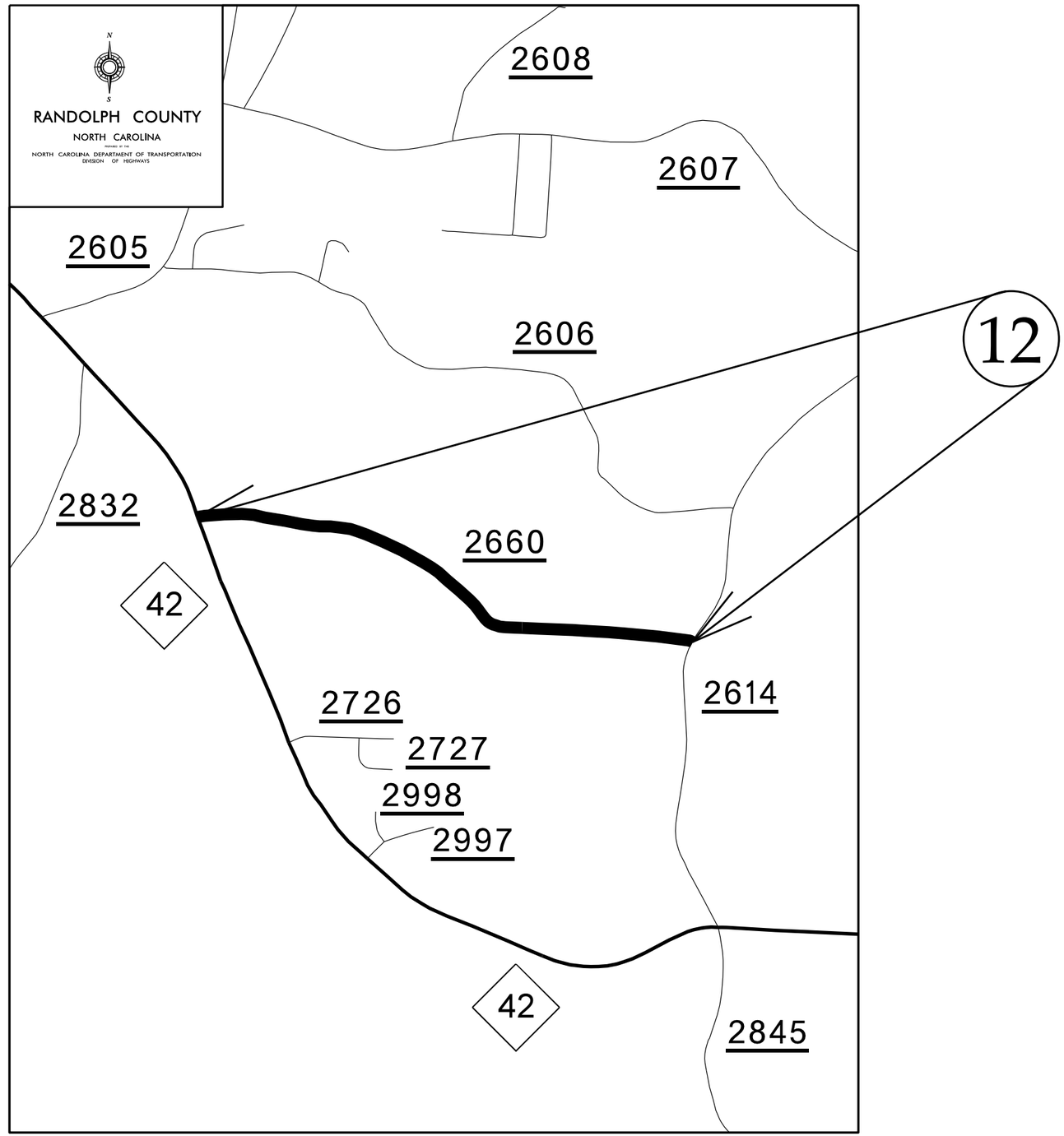
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	13

Map 12



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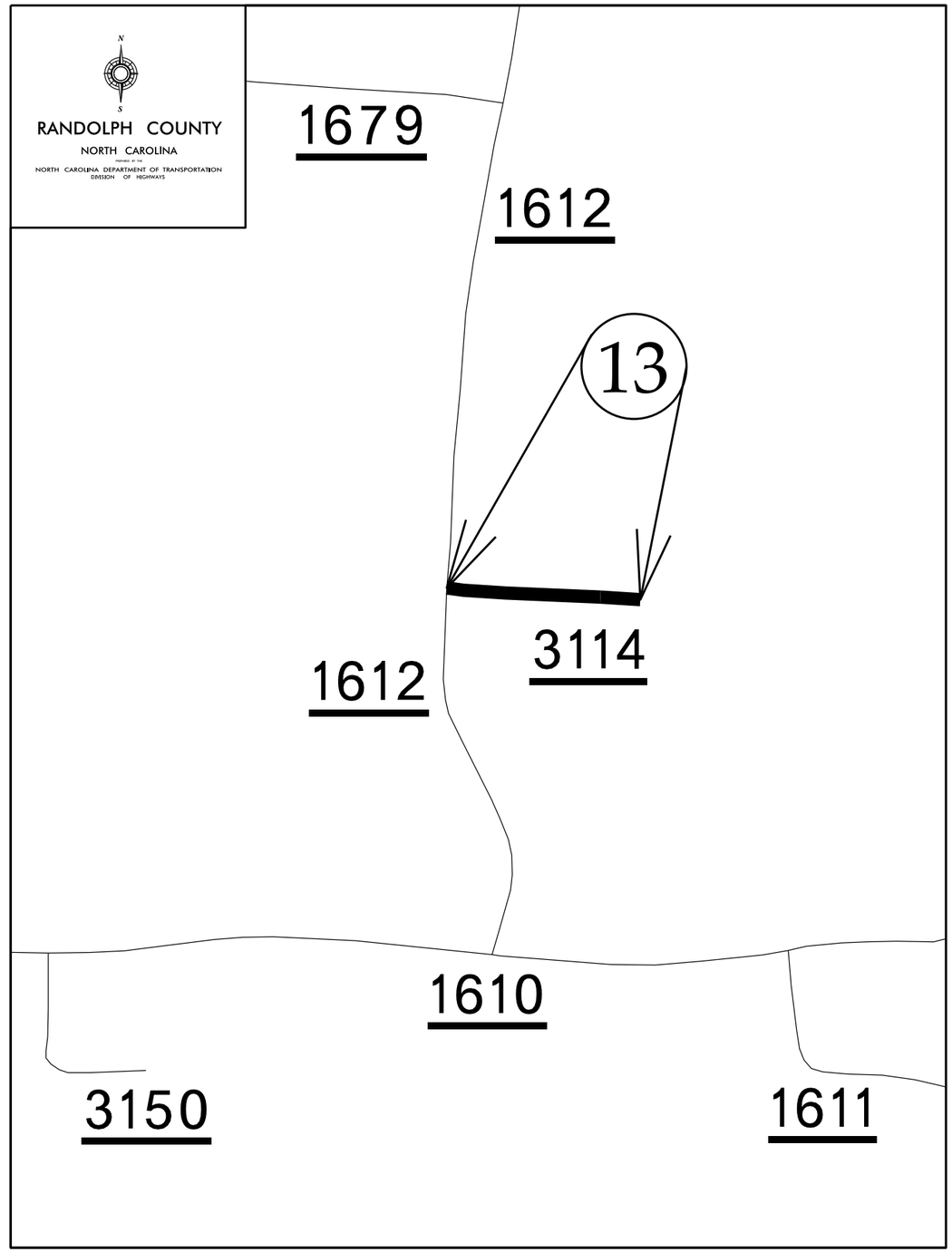
WBS ELEMENT	SHEET NO.
2025CPT.08.14.20761	14

Map 13



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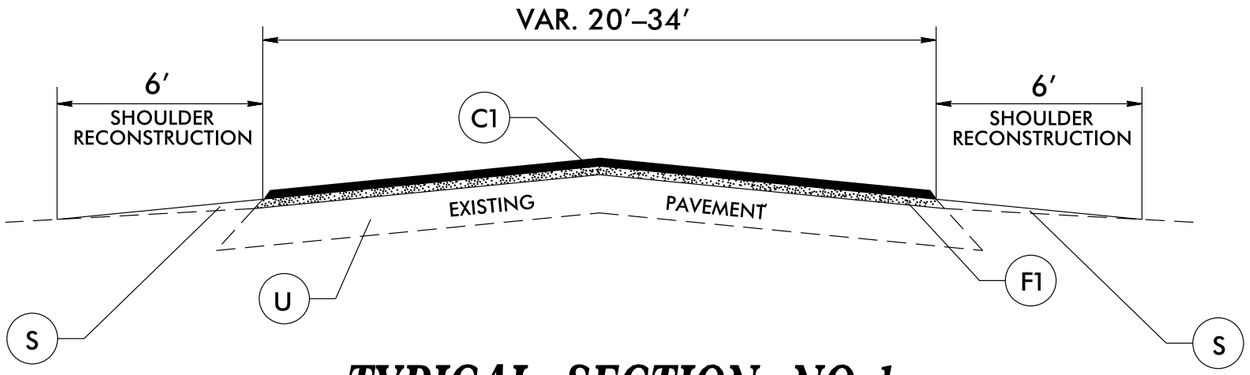
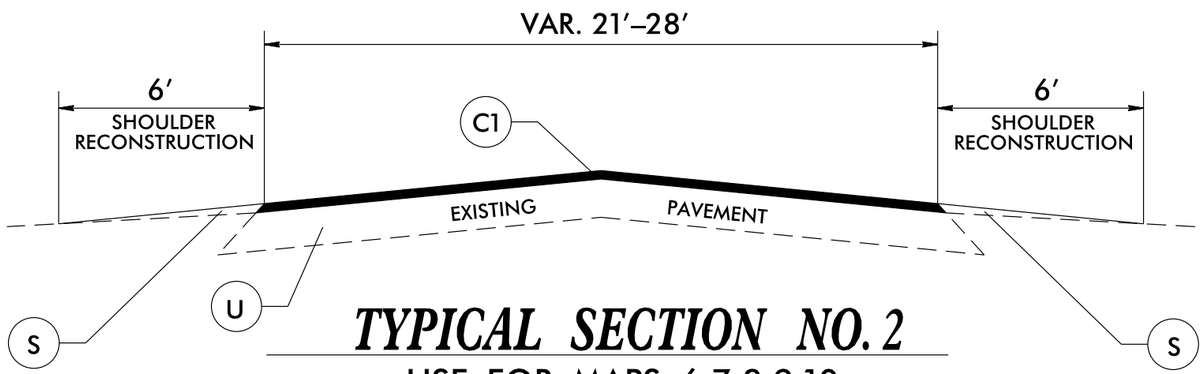
2025CPT.08.14.20761	15



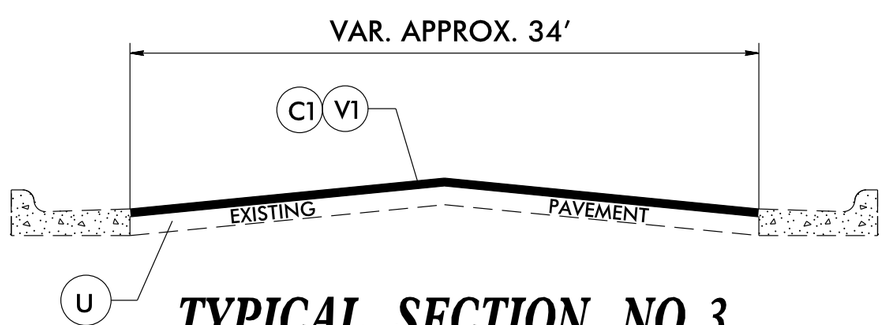
TYPICAL SECTION NO. 1

USE FOR MAPS 1,2,3,4,5,11,12,13



TYPICAL SECTION NO. 2

USE FOR MAPS 6,7,8,9,10



TYPICAL SECTION NO. 3

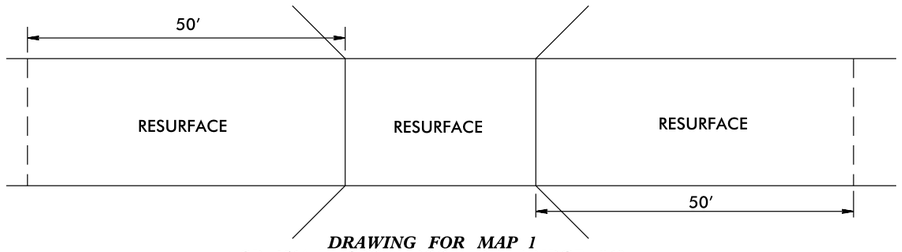
USE FOR SECTION OF
MAP 7 WITH C+G

PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5″ ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
F1	PROP. ASPHALT SURFACE TREATMENT, MAT COAT #67 STONE
S	AGGREGATE SHOULDER BORROW
U	EXISTING PAVEMENT
V1	MILLING 1.5″ IN DEPTH

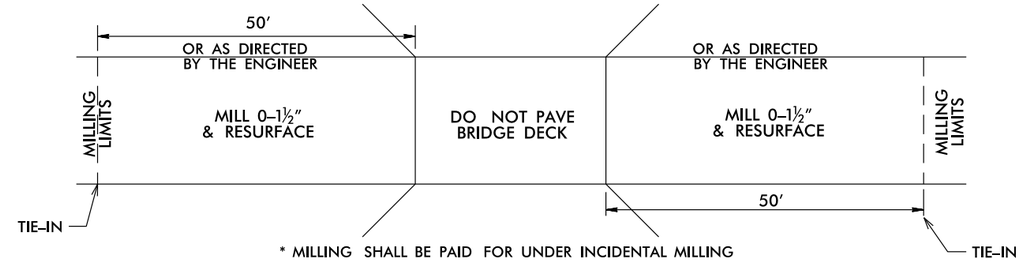
21-MAR-2025 11:28
25_Submittal\Randolph Secondary May 2025\Contract 14\Randolph_Secondary_May2025_Maps_Typ_Contract1.dgn
ratts AT DIV08-430024

DETAILS



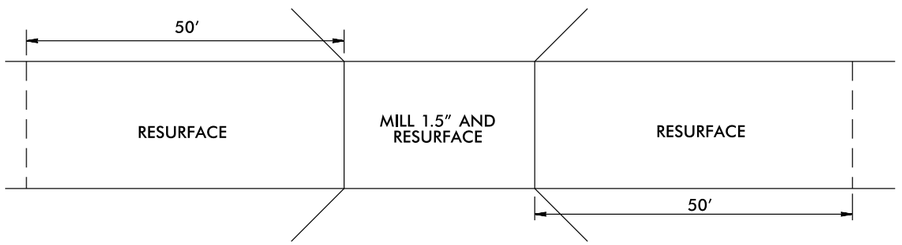
DRAWING FOR MAP 1
SR 1564 MEADOWBROOK DR BRIDGE #68

DRAWING FOR MAP 12
SR 2660 BETHEL FRIENDS RD BRIDGE #184



* MILLING SHALL BE PAID FOR UNDER INCIDENTAL MILLING

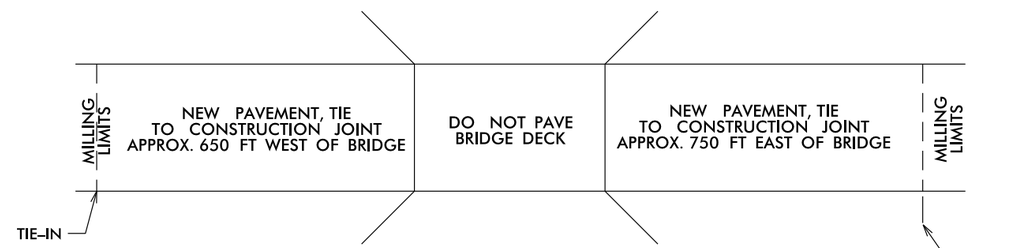
DRAWING FOR MAP 1
SR 1564 MEADOWBROOK DR BRIDGE #114



* MILLING SHALL BE PAID FOR UNDER INCIDENTAL MILLING

DRAWING FOR MAP 1
SR 1564 MEADOWBROOK DR BRIDGE #69

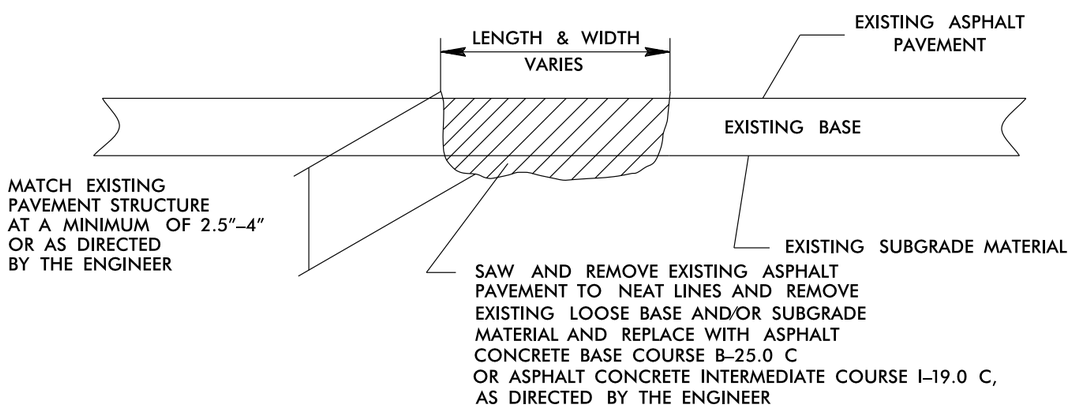
DRAWING FOR MAP 5
SR 1163 UNION CHURCH RD BRIDGE #16



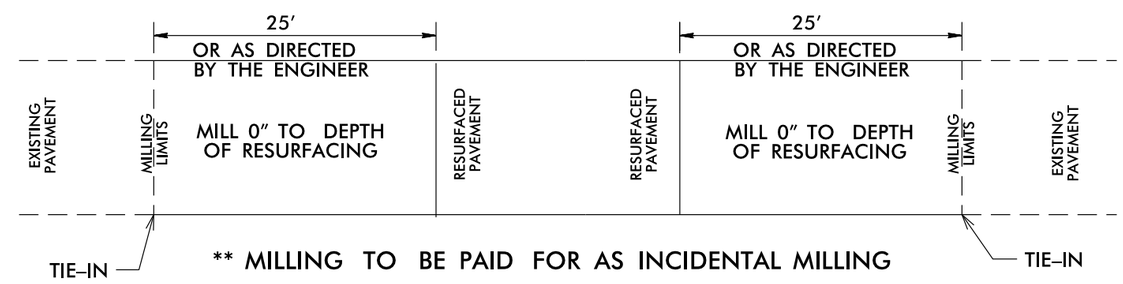
* MILLING SHALL BE PAID FOR UNDER INCIDENTAL MILLING

DRAWING FOR MAP 11
SR 1303 BRANTLEY GORDON RD BRIDGE #35

DETAILS OF PATCHING EXISTING PAVEMENT PRIOR TO RESURFACING



PAVEMENT TIE–IN DETAIL



** MILLING TO BE PAID FOR AS INCIDENTAL MILLING

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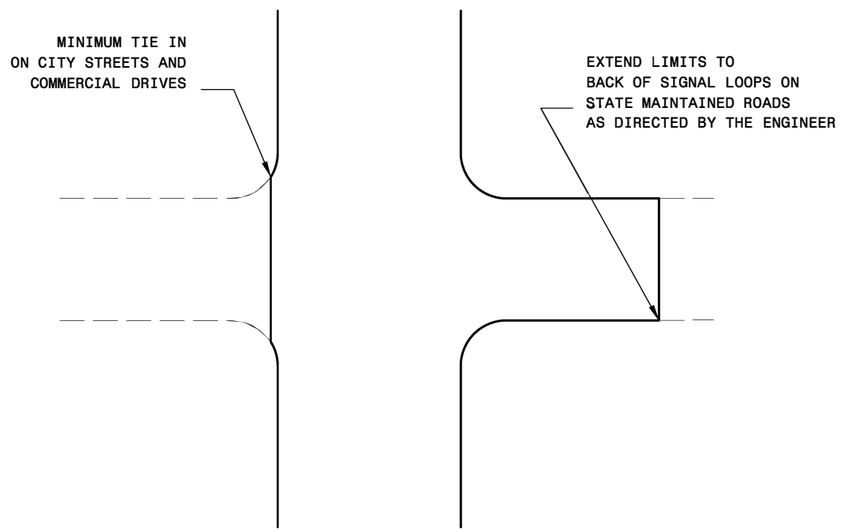
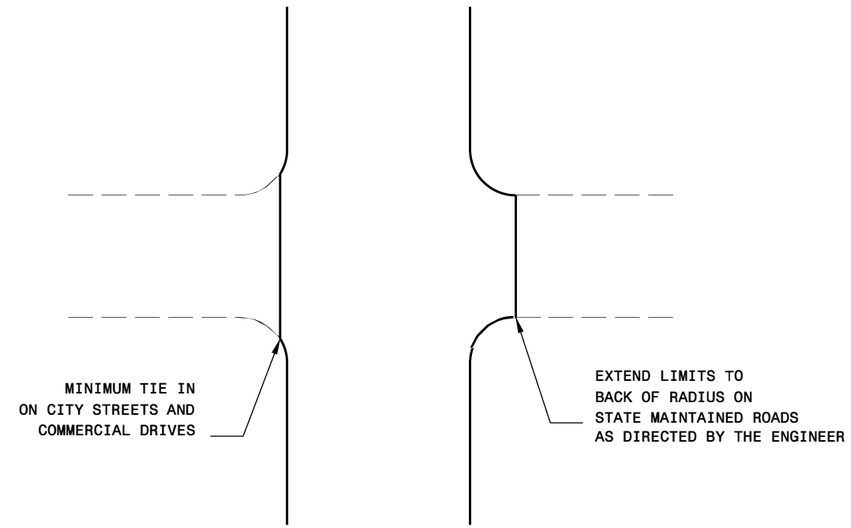
Contract 14\Randolph_Secondary_May 2025
DIV08-330081

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.08.14.20761	17



TYPICAL DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



TYPICAL DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

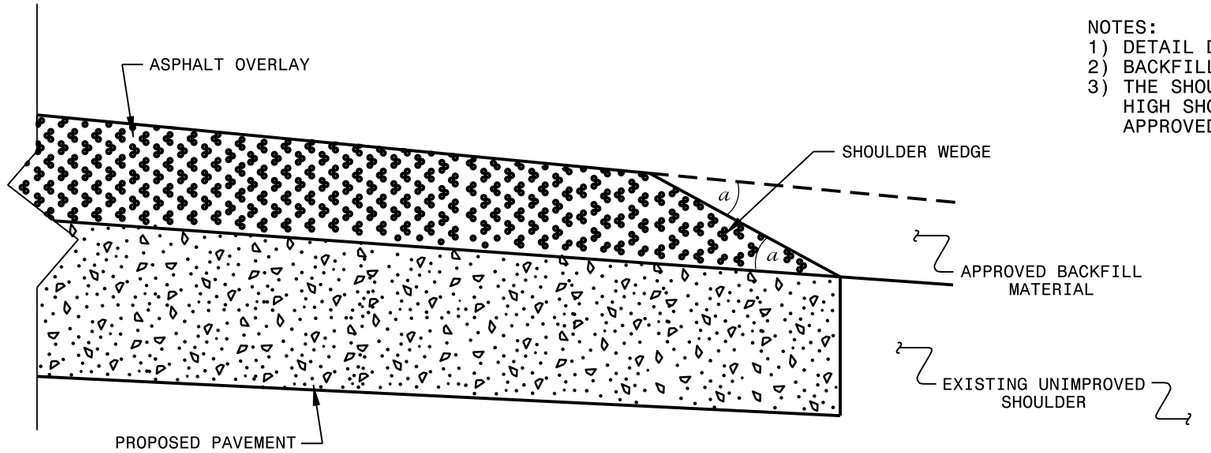
ADDITIONAL INTERSECTIONS (NON-TYPICAL)

Extend paving limits to back of radius
or loop on the following intersections:

MAP#	STREET NAME	COMMENTS

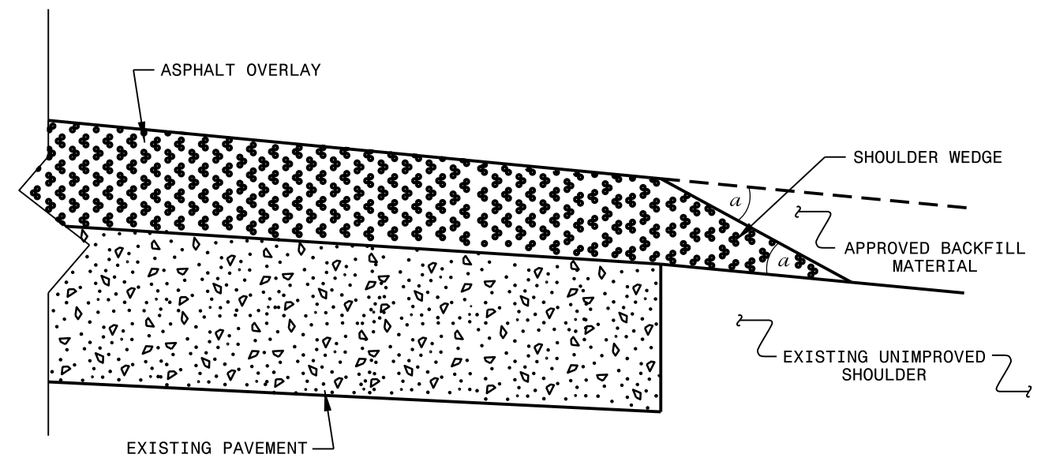
PROJECT REFERENCE NO.	SHEET NO.
2025CPT.08.14.20761	18

NOTES:
1) DETAIL DOES NOT APPLY TO OGAFC 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.



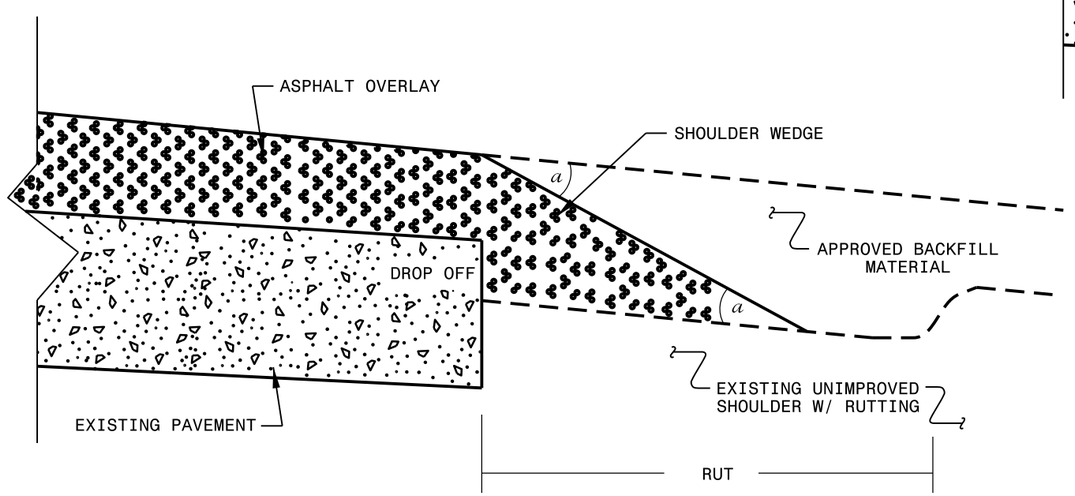
SHOULDER WEDGE DETAIL

(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:\Contracts\Contracts\Resurfacing Projects\Division 4\I-5937 Wilson March 2018\Revised Shoulder Wedge Detail.dgn
p_porter AT CSD-29252

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.08.14.20761	19	

SUMMARY OF QUANTITIES

												1245000000-E	1260000000-E	1297000000-E	1330000000-E	1519000000-E	1575000000-E	1704000000-E	1775500000-E	1838000000-E	1838500000-N
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	1.5" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE	EMULSION FOR ASPHALT SURFACE TREATMENT	VACUUM TRUCK
								MI	FT			SMI	TON	SY	SY	TONS	TONS	TONS	SY	GAL	WK
2025CPT.08.14.20761	Randolph	1	SR-1564 / MEADOWBROOK DR	FROM NC 62 TO SR 3106 (KENNEDY RD)	1	2	2WU	4.03	29	0	4.03	8.06	1,132.00		3,020	5,657	378	205	68,564.00	27,426	3.00
TOTAL FOR MAP NO. 1								**4.03**				**8.06**	**1,132.00**		**3,020**	**5,657**	**378**	**205**	**68,564.00**	**27,426**	**3.00**
2025CPT.08.14.20761	Randolph	2	SR-1556 / WELBORN RD	FROM SR 1547 (FINCH FARM RD) TO SR 1564 (MEADOWBROOK DR)	1	2	2WU	2.465	20	0	2.465	4.93	692.00		2,760	2,386	167	250	28,925.00	11,570	1.00
TOTAL FOR MAP NO. 2								**2.465**				**4.93**	**692.00**		**2,760**	**2,386**	**167**	**250**	**28,925.00**	**11,570**	**1.00**
2025CPT.08.14.20761	Randolph	3	SR-3252 / HOPEWELL CHURCH RD	FROM SR 1556 (WELBORN RD) TO SR 1564 (MEADOWBROOK DR)	1	2	2WU	1.47	23	1.29	2.76	2.94	413.00		480	1,636	114	157	19,836.00	7,934	1.00
TOTAL FOR MAP NO. 3								**1.47**				**2.94**	**413.00**		**480**	**1,636**	**114**	**157**	**19,836.00**	**7,934**	**1.00**
2025CPT.08.14.20761	Randolph	4	SR-1547 / FINCH FARM RD	FROM SR 1549 (THAYER RD) TO SR 3106 (KENNEDY RD)	1	2	2WU	2.32	34	5.76	8.08	4.64	650.00		745	3,818	270	450	46,276.00	18,510	2.00
TOTAL FOR MAP NO. 4								**2.32**				**4.64**	**650.00**		**745**	**3,818**	**270**	**450**	**46,276.00**	**18,510**	**2.00**
2025CPT.08.14.20761	Randolph	5	SR-1163 / UNION CHURCH RD	FROM SR 1193 (OLD NC HWY 49) TO NC 49	1	2	2WU	0.66	21	0	0.66	1.32	185.00		130	671	47	70	8,132.00	3,253	0.30
TOTAL FOR MAP NO. 5								**0.66**				**1.32**	**185.00**		**130**	**671**	**47**	**70**	**8,132.00**	**3,253**	**0.30**
2025CPT.08.14.20761	Randolph	6	SR-1197 / PILOTS VIEW RD	FROM SR 1163 (TOT HILL FARM RD) TO END OF MAINTENANCE	2	2	2WU	0.39	21	0	0.39	0.78	110.00		195	396	28	50			
TOTAL FOR MAP NO. 6								**0.39**				**0.78**	**110.00**		**195**	**396**	**28**	**50**			
2025CPT.08.14.20761	Randolph	7	SR-2846 / OLD PLANK RD	FROM NC 705 (E. MAIN ST) TO SR SR 2850 (SEAGROVE PLANK RD EXT)	2,3	2	2WU	0.84	28	0	0.84	1.68	235.00	9,982	580	1,404	92	20			
TOTAL FOR MAP NO. 7								**0.84**				**1.68**	**235.00**	**9,982**	**580**	**1,404**	**92**	**20**			
2025CPT.08.14.20761	Randolph	8	SR-2846 / SEAGROVE PLANK RD	FROM SR 2850 (SEAGROVE PLANK RD EXT) TO SR 2845 (OLD NC HWY 13)	2	2	2WU	1.814	19	0.84	2.654	3.62	508.00		1,255	1,668	112	80			
TOTAL FOR MAP NO. 8								**1.814**				**3.62**	**508.00**		**1,255**	**1,668**	**112**	**80**			
2025CPT.08.14.20761	Randolph	9	SR-2851 / E KING AVE	FROM US 220 ALT (N. BROAD ST) TO SR 2846 (OLD PLANK RD)	2	2	2WU	0.203	20	0	0.203	0.40	56.00		175	197	17	80			
TOTAL FOR MAP NO. 9								**0.203**				**0.40**	**56.00**		**175**	**197**	**17**	**80**			
2025CPT.08.14.20761	Randolph	10	SR-2848 / BENNETT FARM RD	FROM US 220 ALT (US HWY 220 S) TO SR 2846 (SEAGROVE PLANK RD)	2	2	2WU	0.245	20	0	0.245	0.49	69.00		135	237	21	120			
TOTAL FOR MAP NO. 10								**0.245**				**0.49**	**69.00**		**135**	**237**	**21**	**120**			
2025CPT.08.14.20761	Randolph	11	SR-1303 / BRANTLEY GORDON RD	FROM SR 1193 (OLD NC HWY 49) TO SR 1001 (FARMER RD)	1	2	2WU	4	21	0	4	8.00	1,124.00		1,180	4,066	303	800	49,280.00	19,712	2.00
TOTAL FOR MAP NO. 11								**4**				**8.00**	**1,124.00**		**1,180**	**4,066**	**303**	**800**	**49,280.00**	**19,712**	**2.00**
2025CPT.08.14.20761	Randolph	12	SR-2660 / BETHEL FRIENDS RD	FROM SR 2614 (GRANTVILLE LN) TO NC 42	1	2	2WU	1.605	20	0	1.605	3.21	449.00		140	1,554	108	150	18,773.00	7,509	1.00
TOTAL FOR MAP NO. 12								**1.605**				**3.21**	**449.00**		**140**	**1,554**	**108**	**150**	**18,773.00**	**7,509**	**1.00**
2025CPT.08.14.20761	Randolph	13	SR-3114 / LOIS LN	FROM SR 1612 (UWHARRIE RD) TO END OF MAINTENANCE	1	2	2WU	0.156	21	0	0.156	0.30	45.00		100	159	12	40	1,969.00	788	0.10
TOTAL FOR MAP NO. 13								**0.156**				**0.30**	**45.00**		**100**	**159**	**12**	**40**	**1,969.00**	**788**	**0.10**
TOTAL FOR PROJ NO. 2025CPT.08.14.20761								**20.198**				**40.37**	**5,668.00**	**9,982**	**10,895**	**23,849**	**1,669**	**2,472**	**241,755.00**	**96,702**	**10.40**
GRAND TOTAL								**20.198**				**40.37**	**5,668.00**	**9,982**	**10,895**	**23,849**	**1,669**	**2,472**	**241,755.00**	**96,702**	**10.40**

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.08.14.20761	20	

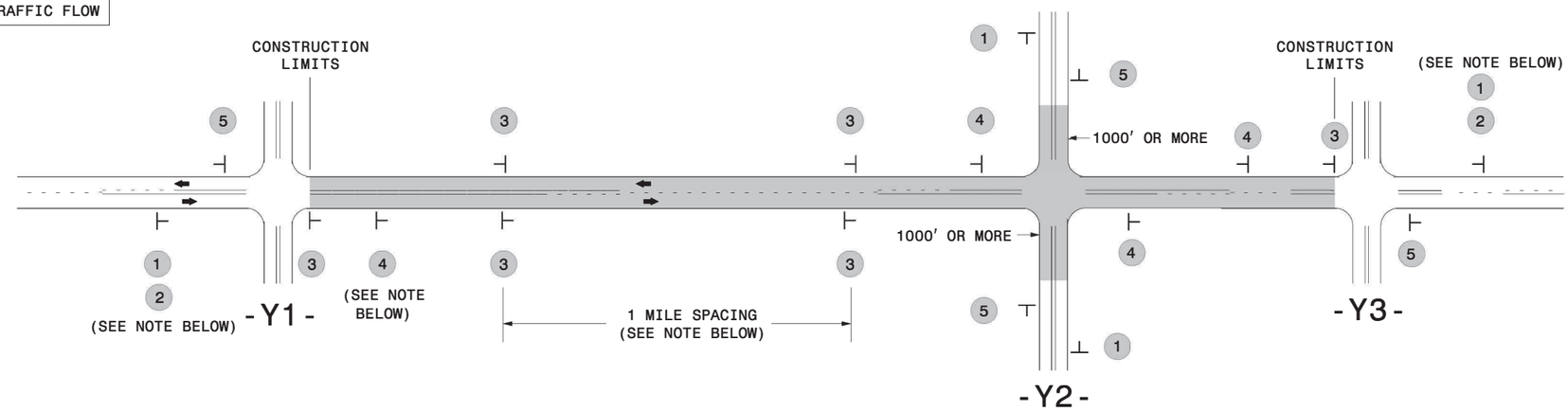
THERMOPLASTIC AND PAINT QUANTITIES

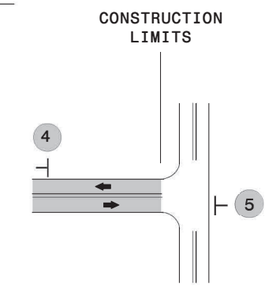
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E WORK ZONE ADVANCE/GENERAL WARNING SIGNING	4457000000-N TEMPORARY TRAFFIC CONTROL	4688000000-E 6" X 90 M YELLOW THERMO	4688000000-E 6" X 90 M WHITE THERMO	4700000000-E 12" X 90 M YELLOW THERMO	4709000000-E 24" X 90 M WHITE THERMO	4720000000-E THERMO MSG SCHOOL 90 M	4725000000-E THERMO RT ARROW 90 M	4725000000-E THERMO LT ARROW 90 M	4815000000-E 6" WHITE PAINT	4815000000-E 6" YELLOW PAINT	4820000000-E 8" YELLOW PAINT	4835000000-E 24" WHITE PAINT	4840000000-N PAINT MSG SCHOOL	4845000000-N PAINT LT ARROW	4850000000-E 4" LINE REMOVAL	4900000000-N YELLOW & YELLOW MARKERS	4900000000-N CRYSTAL & RED MARKERS
								MI	FT			SF	LS	LF	LF	LF	LF	EA	EA	EA	LF	LF	LF	LF	EA	EA	LF	EA	EA
2025CPT.08.14.20761	Randolph	1	SR-1564 / MEADOWBROOK DR	FROM NC 62 TO SR 3106 (KENNEDY RD)	1	2	2WU	4.03	29	0	4.03	452									85,116	85,116		15			1,300		
TOTAL FOR MAP NO. 1								**4.03**				**452**									**85,116**	**85,116**		**15**			**1,300**		
2025CPT.08.14.20761	Randolph	2	SR-1556 / WELBORN RD	FROM SR 1547 (FINCH FARM RD) TO SR 1564 (MEADOWBROOK DR)	1	2	2WU	2.465	20	0	2.465	280									52,060	52,060		250	24				
TOTAL FOR MAP NO. 2								**2.465**				**280**									**52,060**	**52,060**		**250**	**24**				
2025CPT.08.14.20761	Randolph	3	SR-3252 / HOPEWELL CHURCH RD	FROM SR 1556 (WELBORN RD) TO SR 1564 (MEADOWBROOK DR)	1	2	2WU	1.47	23	1.29	2.76	290									31,048	31,048		40					
TOTAL FOR MAP NO. 3								**1.47**				**290**									**31,048**	**31,048**		**40**					
2025CPT.08.14.20761	Randolph	4	SR-1547 / FINCH FARM RD	FROM SR 1549 (THAYER RD) TO SR 3106 (KENNEDY RD)	1	2	2WU	2.32	34	5.76	8.08	126		25,767	25,123	155	100	12	5	4								152	40
TOTAL FOR MAP NO. 4								**2.32**				**126**		**25,767**	**25,123**	**155**	**100**	**12**	**5**	**4**								**152**	**40**
2025CPT.08.14.20761	Randolph	5	SR-1163 / UNION CHURCH RD	FROM SR 1193 (OLD NC HWY 49) TO NC 49	1	2	2WU	0.66	21	0	0.66	74									13,940	13,940							
TOTAL FOR MAP NO. 5								**0.66**				**74**									**13,940**	**13,940**							
2025CPT.08.14.20761	Randolph	6	SR-1197 / PILOTS VIEW RD	FROM SR 1163 (TOT HILL FARM RD) TO END OF MAINTENANCE	2	2	2WU	0.39	21	0	0.39	44									8,240	8,240							
TOTAL FOR MAP NO. 6								**0.39**				**44**									**8,240**	**8,240**							
2025CPT.08.14.20761	Randolph	7	SR-2846 / OLD PLANK RD	FROM NC 705 (E. MAIN ST) TO SR SR 2850 (SEAGROVE PLANK RD EXT)	2,3	2	2WU	0.84	28	0	0.84	126	*								14,100	15,468	400	200	24	10			
TOTAL FOR MAP NO. 7								**0.84**				**126**									**14,100**	**15,468**	**400**	**200**	**24**	**10**			
2025CPT.08.14.20761	Randolph	8	SR-2846 / SEAGROVE PLANK RD	FROM SR 2850 (SEAGROVE PLANK RD EXT) TO SR 2845 (OLD NC HWY 13)	2	2	2WU	1.814	19	0.84	2.654	126									38,228	38,228							
TOTAL FOR MAP NO. 8								**1.814**				**126**									**38,228**	**38,228**							
2025CPT.08.14.20761	Randolph	9	SR-2851 / E KING AVE	FROM US 220 ALT (N. BROAD ST) TO SR 2846 (OLD PLANK RD)	2	2	2WU	0.203	20	0	0.203	23									4,224	4,224		100	12				
TOTAL FOR MAP NO. 9								**0.203**				**23**									**4,224**	**4,224**		**100**	**12**				
2025CPT.08.14.20761	Randolph	10	SR-2848 / BENNETT FARM RD	FROM US 220 ALT (US HWY 220 S) TO SR 2846 (SEAGROVE PLANK RD)	2	2	2WU	0.245	20	0	0.245	28																	
TOTAL FOR MAP NO. 10								**0.245**				**28**																	
2025CPT.08.14.20761	Randolph	11	SR-1303 / BRANTLEY GORDON RD	FROM SR 1193 (OLD NC HWY 49) TO SR 1001 (FARMER RD)	1	2	2WU	4	21	0	4	448									84,480	84,480							
TOTAL FOR MAP NO. 11								**4**				**448**									**84,480**	**84,480**							
2025CPT.08.14.20761	Randolph	12	SR-2660 / BETHEL FRIENDS RD	FROM SR 2614 (GRANTVILLE LN) TO NC 42	1	2	2WU	1.605	20	0	1.605	178									33,792	33,792							
TOTAL FOR MAP NO. 12								**1.605**				**178**									**33,792**	**33,792**							
2025CPT.08.14.20761	Randolph	13	SR-3114 / LOIS LN	FROM SR 1612 (UWHARRIE RD) TO END OF MAINTENANCE	1	2	2WU	0.156	21	0	0.156	17																	
TOTAL FOR MAP NO. 13								**0.156**				**17**																	
TOTAL FOR PROJ NO. 2025CPT.08.14.20761								**20.198**				**2,212**	**1.000**	**25,767**	**25,123**	**155**	**100**	**12**	**5**	**4**	**365,228**	**366,596**	**400**	**605**	**60**	**10**	**1,300**	**152**	**40**
														50,890					**9**		**731,824**							**192**	
GRAND TOTAL								**20.198**				**2,212**	**1.000**	**25,767**	**25,123**	**155**	**100**	**12**	**5**	**4**	**365,228**	**366,596**	**400**	**605**	**60**	**10**	**1,300**	**152**	**40**
														50,890					**9**		**731,824**							**192**	

PROJ. REFERENCE NO.	SHEET NO.
2025CPT.08.14.20761	TMP-1

SIGNING FOR RESURFACING PROJECTS

LEGEND
- ⊢ STATIONARY SIGN
- ← DIRECTION OF TRAFFIC FLOW





TEE INTERSECTION

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1	ROAD WORK AHEAD — 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.
2	NEXT XX MILES — 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	LOW/SOFT SHOULDER — SP 13107 48″ X 48″	- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.
4	ROAD UNDER CONST — SP 13106 48″ X 48″	- 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	END ROAD WORK — 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.

-Y- LINE SIGNING

NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

1) LESS THAN 1000′ OF RESURFACING ALONG -Y- LINE
2) SUBDIVISION ROADS
3) DEAD END ROADS

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.

ROAD WORK AHEAD — W20-1 48″ X 48″
PLACED 500′ IN ADVANCE OF FLAGGER.

W20-7 A 48″ X 48″
PLACED 250′ IN ADVANCE OF FLAGGER.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

5/15/2017
S:\TMU\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn
User:kedds