

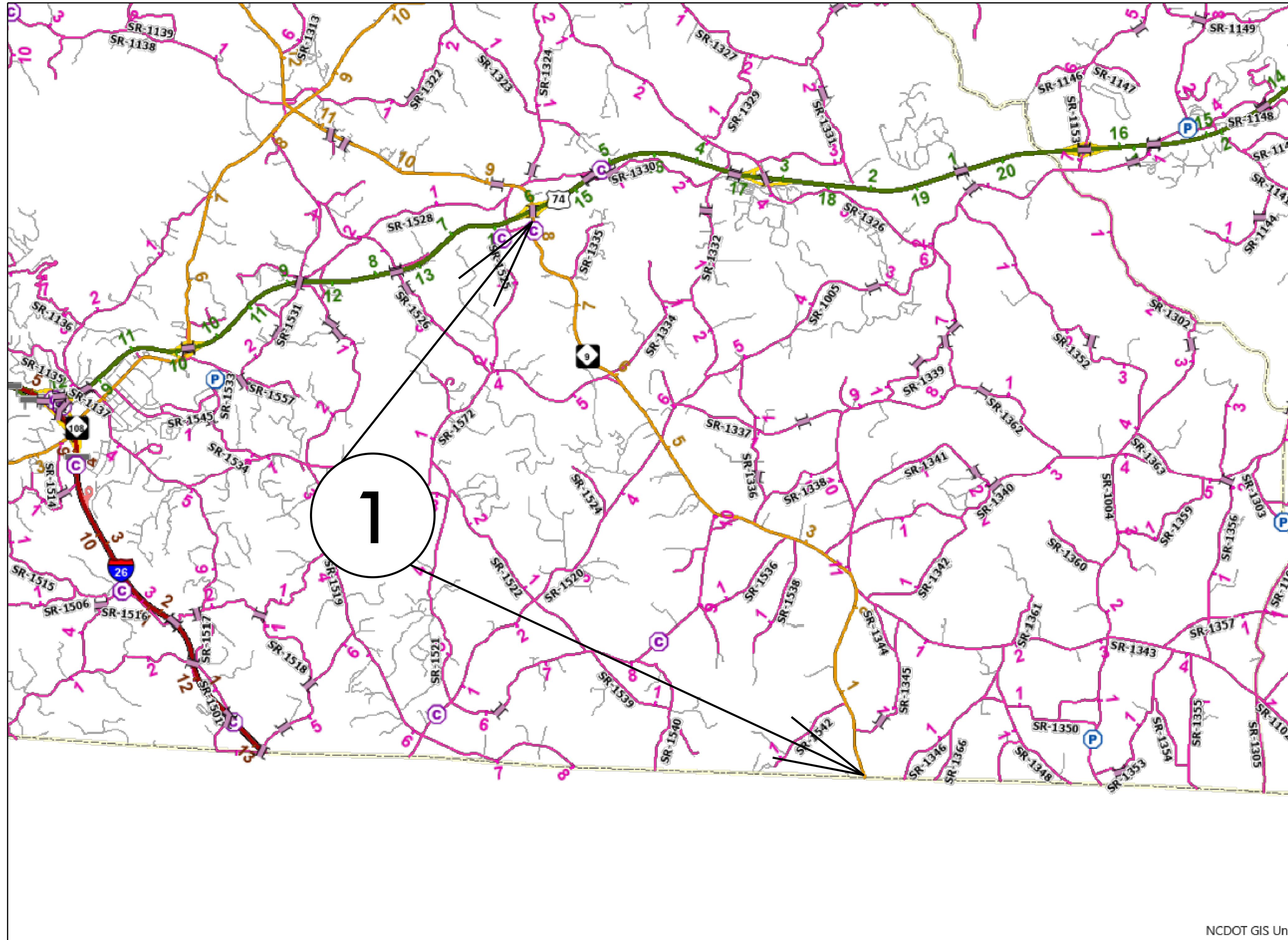
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STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.14.08.10751	1	12
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2024CPT.14.08.20751		CON	

# POLK COUNTY



MAP 1



BEG

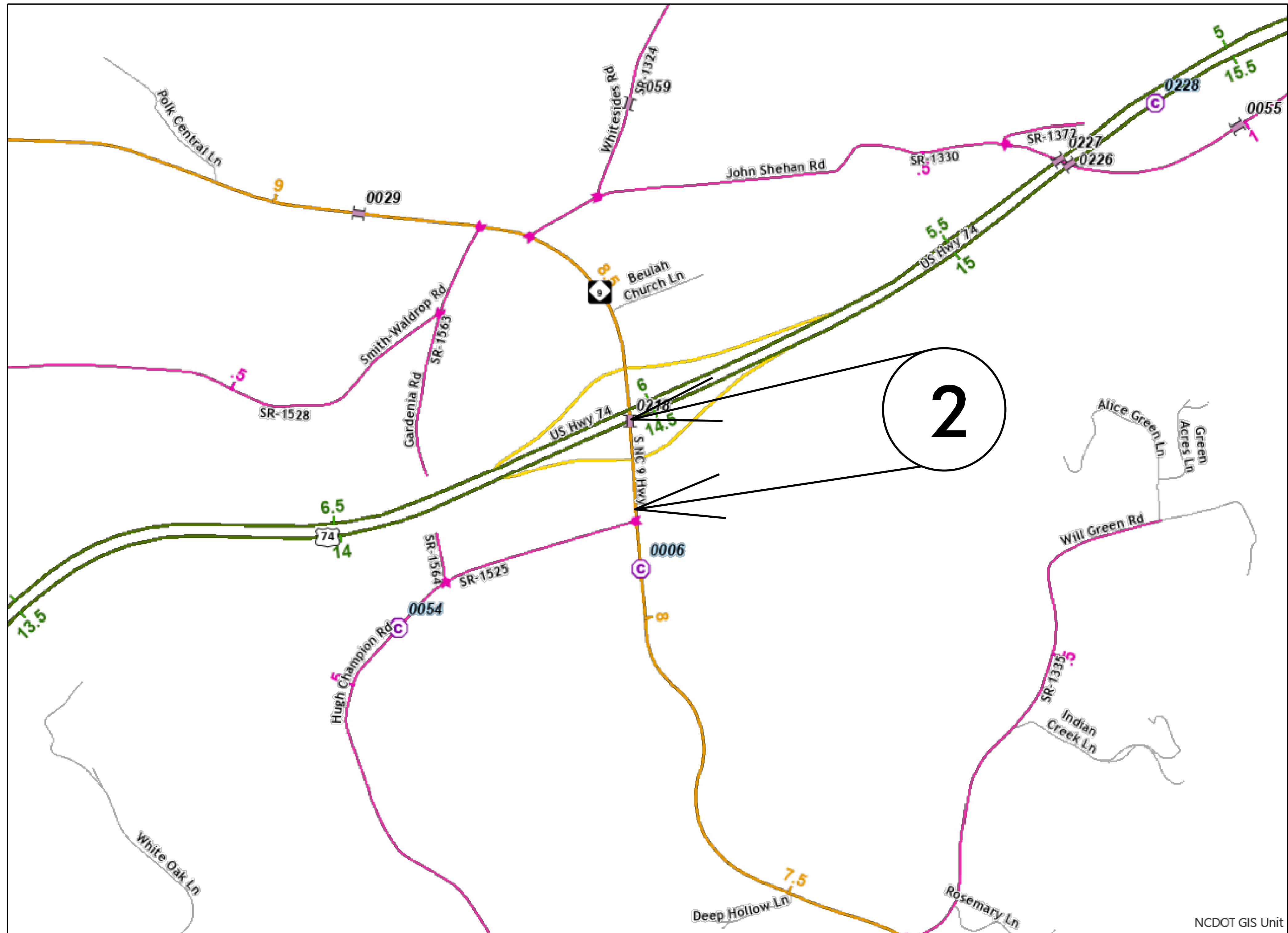


END

CONTRACT: DN01049

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.14.08.10751	2	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

# POLK COUNTY



## MAP 2



BEG



END

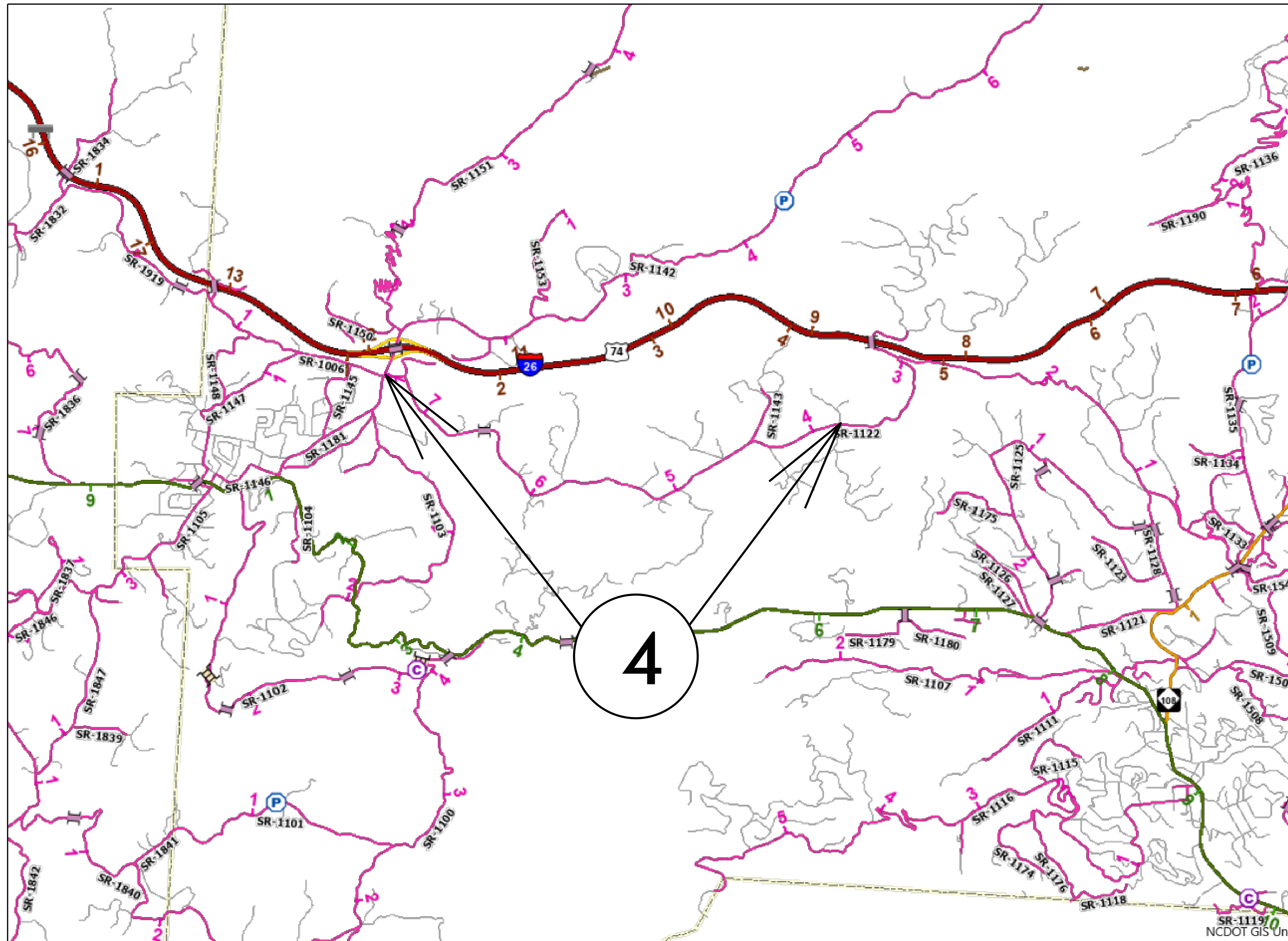
CONTRACT: DN01049





# POLK COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.14.08.20751	4	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	



## MAP 4



BEG



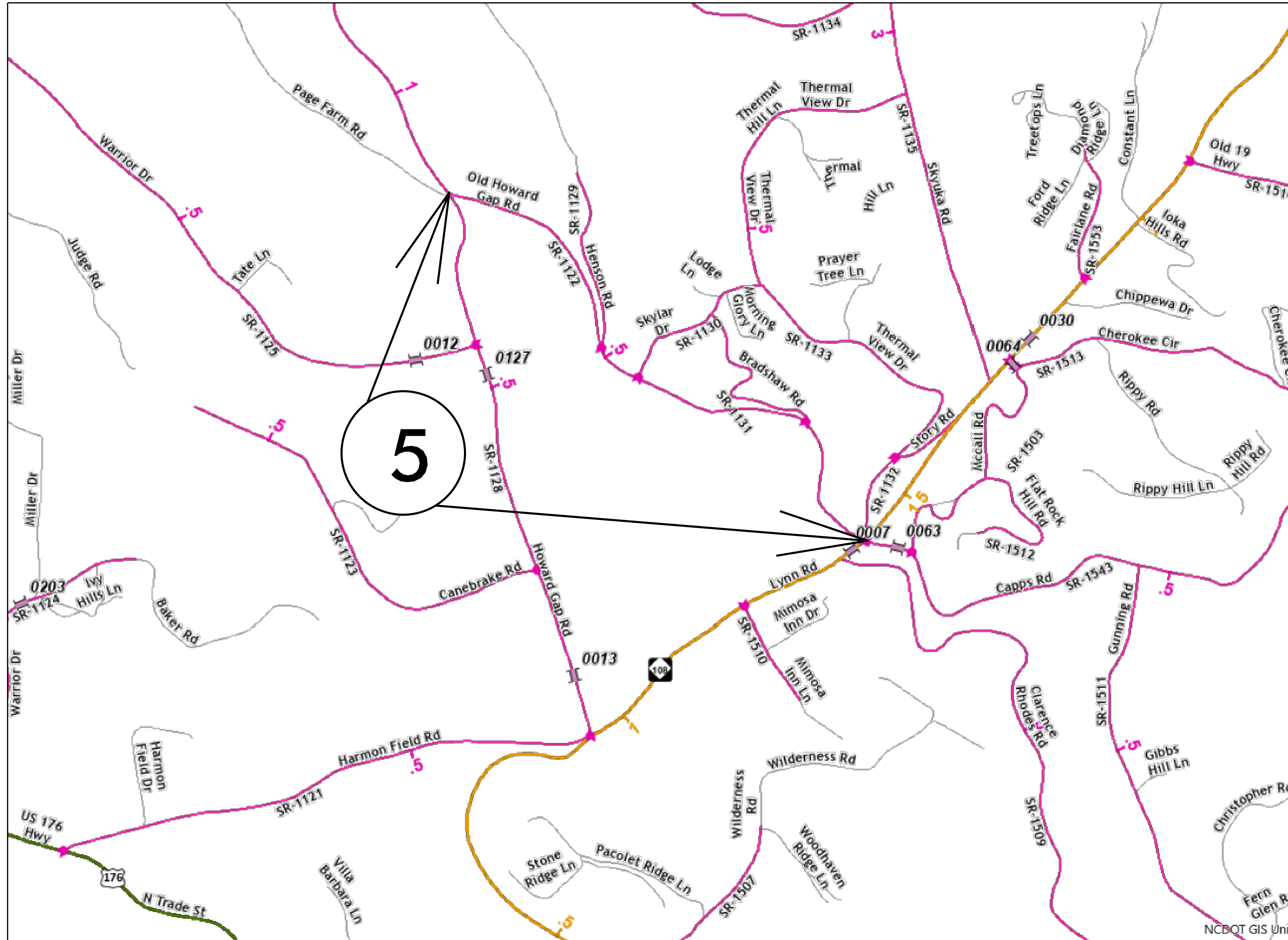
END

CONTRACT: DN01049

4

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.14.08.20751	5	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

# POLK COUNTY



## MAP 5



BEG



END

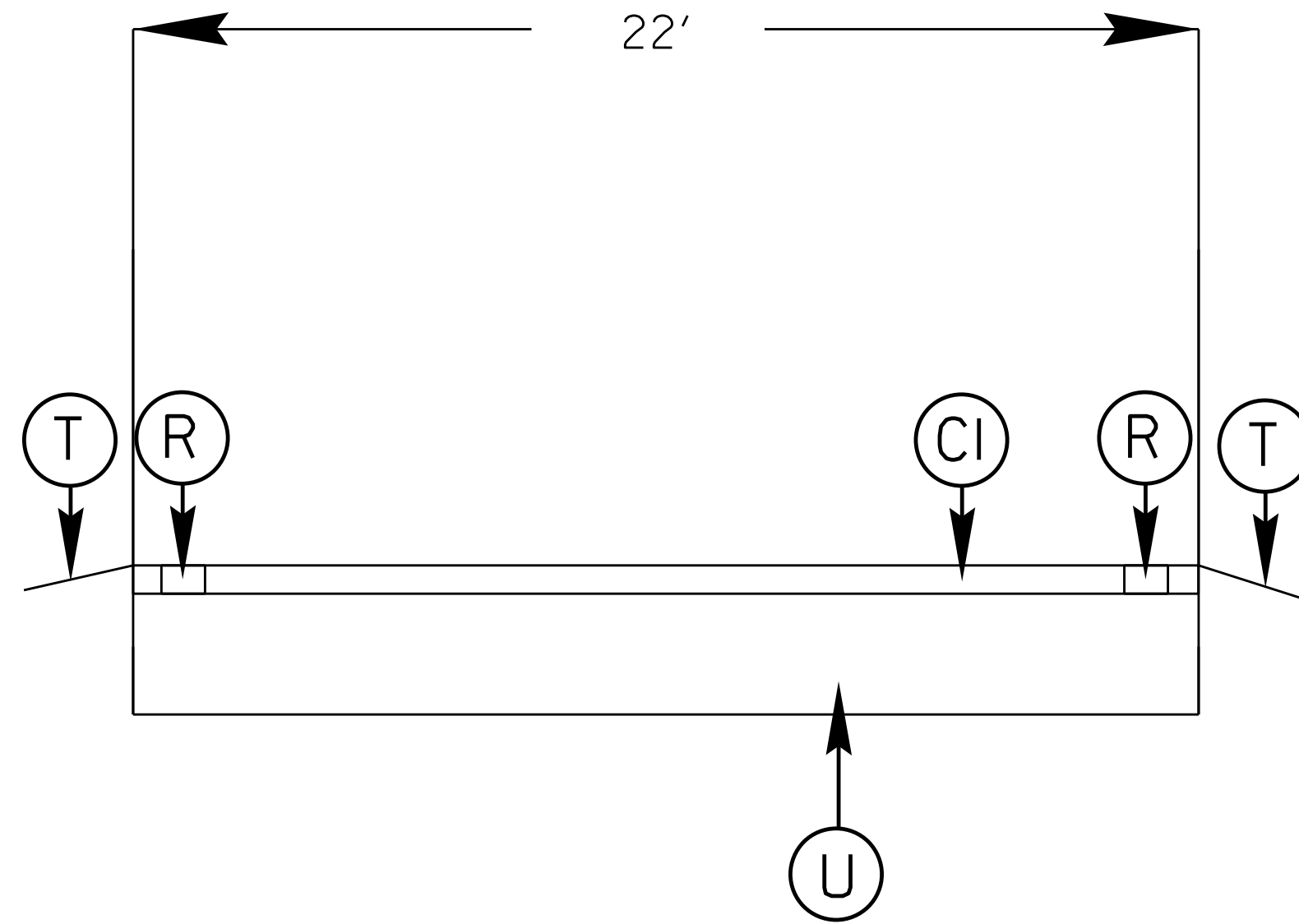
CONTRACT: DN01049



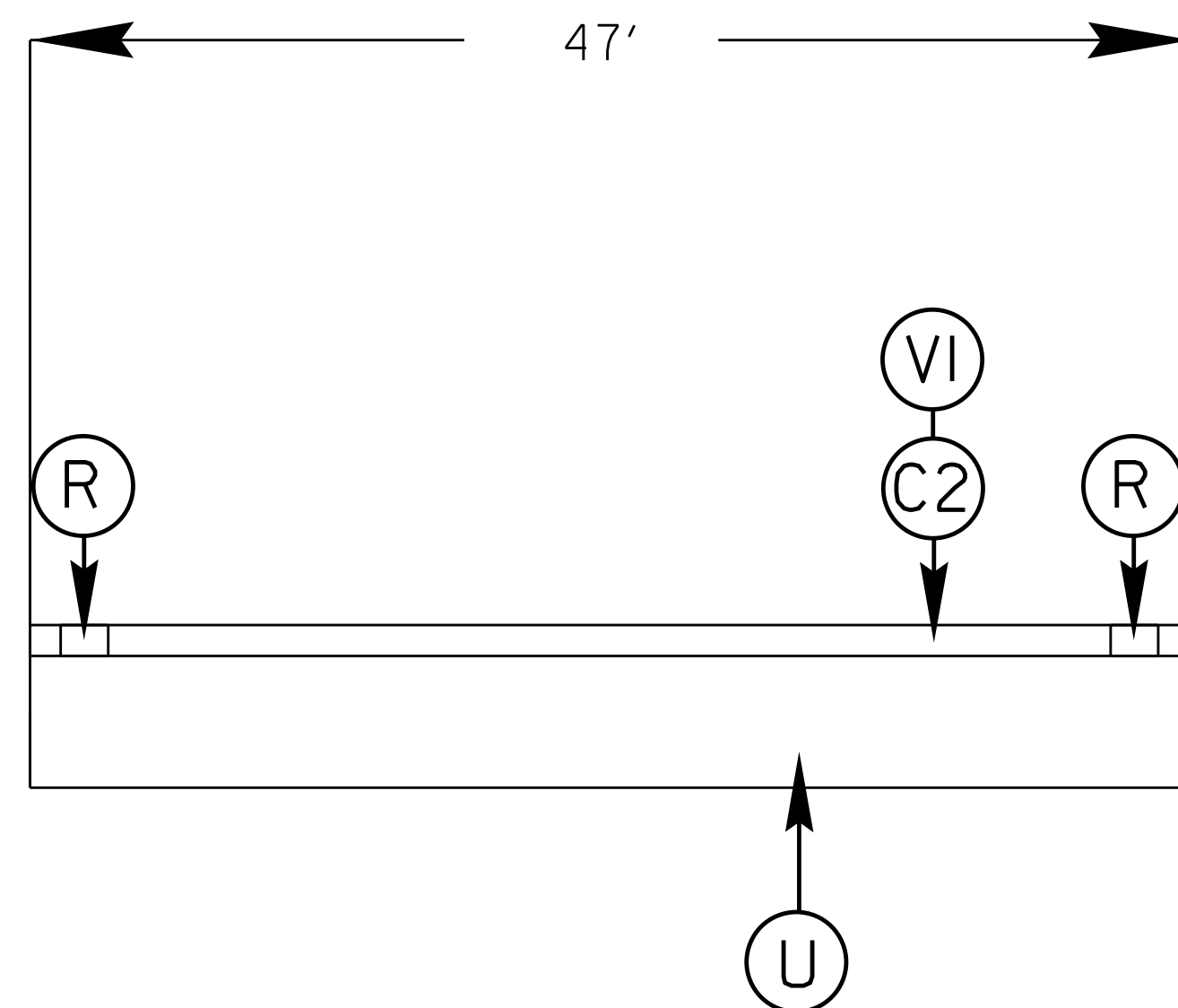
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.14.08.10751	7	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2024CPT.14.08.20751			

Bridge Milling Table							
Map #	Route No.	Road Name	County	Structure No.	Posted SV (Tons)	Posted TTST (Tons)	Pave Across Bridge
4	SR 1122	Howard Gap Rd	Polk	740014	26	99	Yes

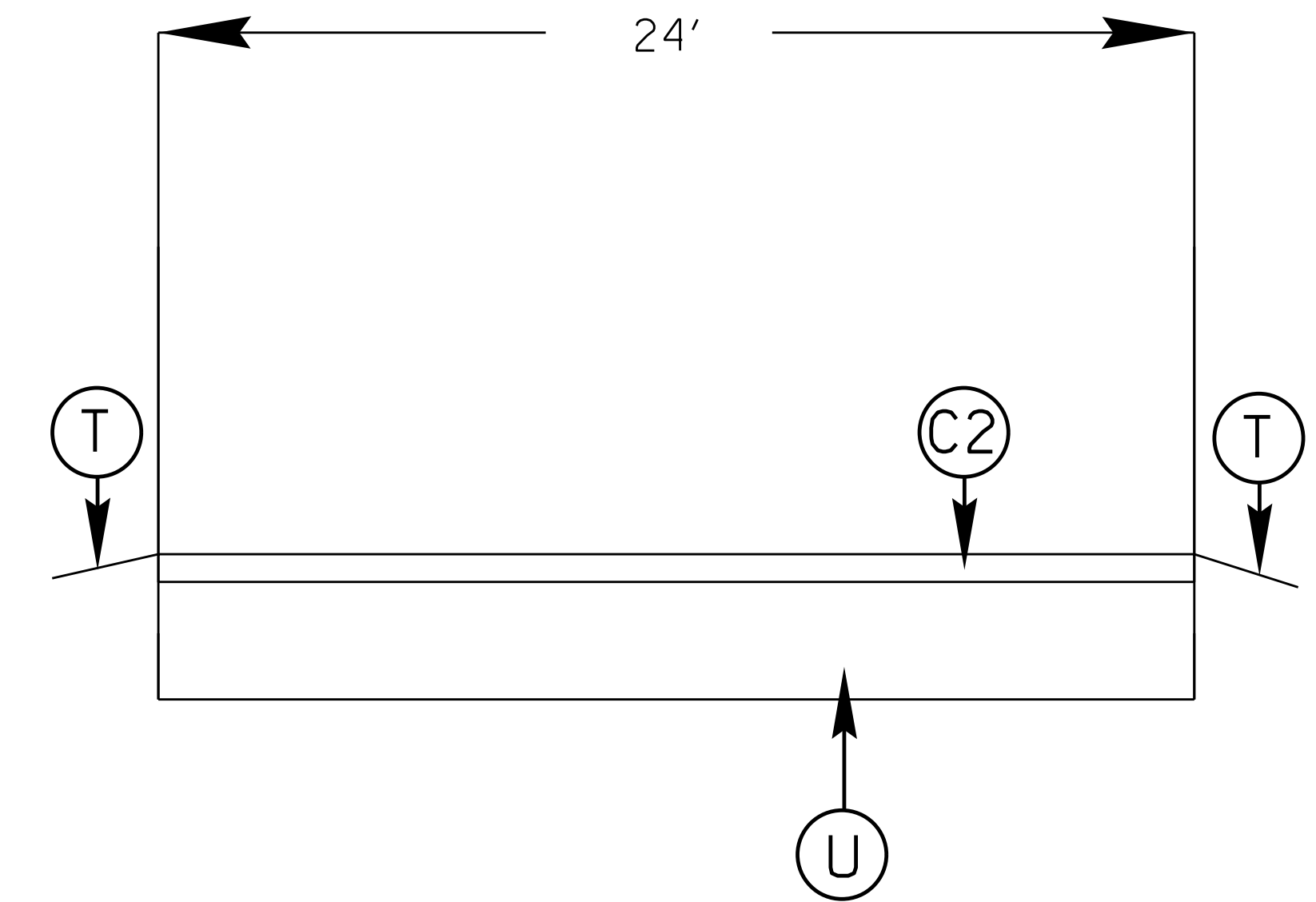
TYPICAL 1



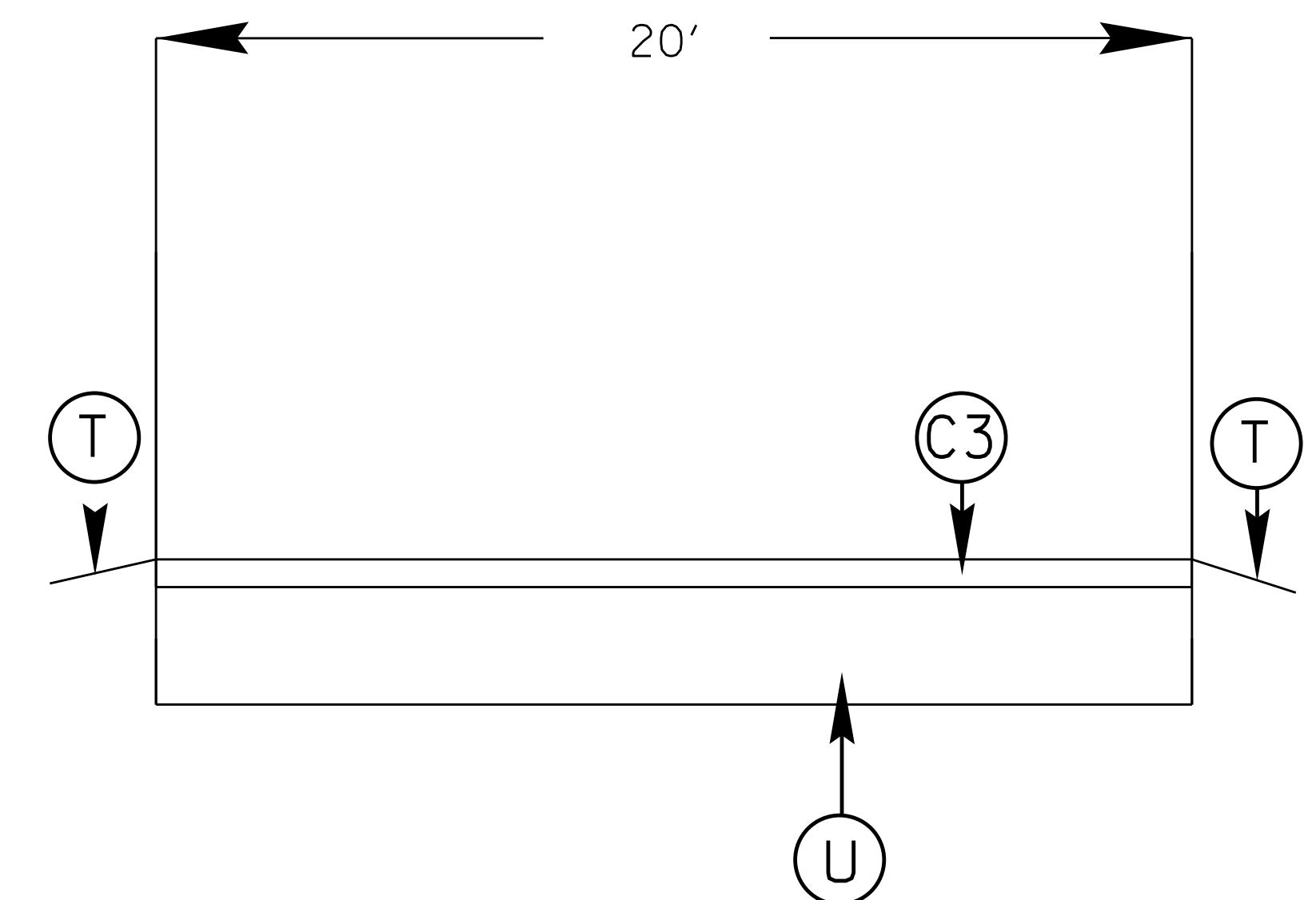
TYPICAL 2



TYPICAL 3



TYPICAL 4



SURFACING SCHEDULE

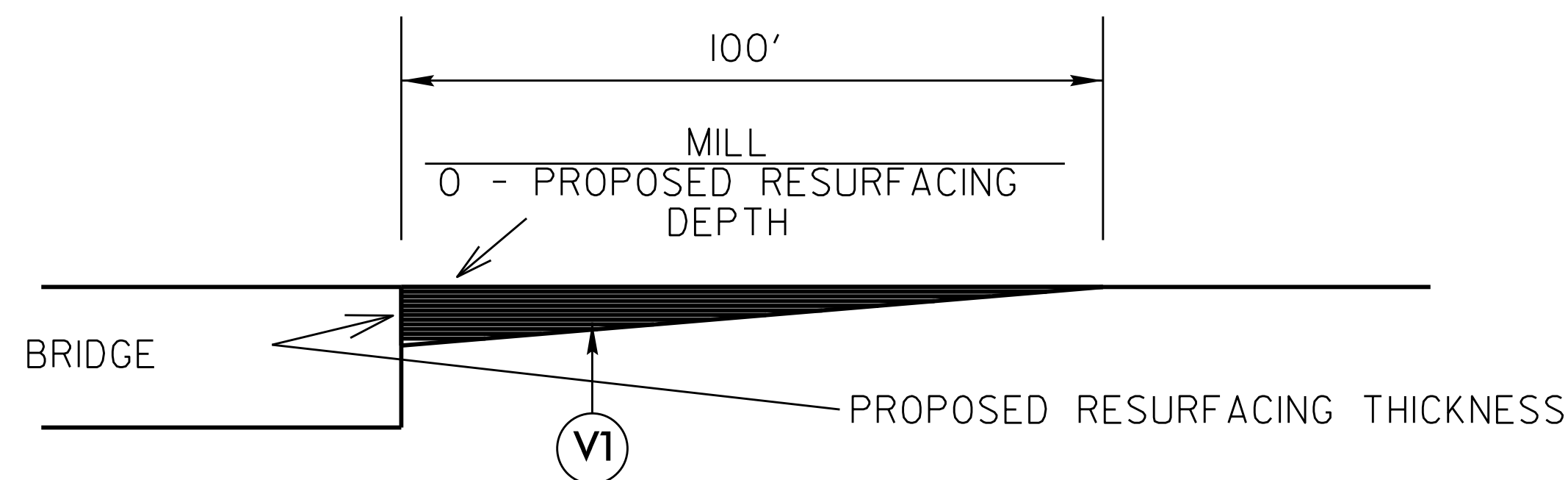
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C3	PROP. APPROX. 1.25" ASPHALT CONCRETE BASE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 140 LBS. PER SQ. YD.
R	MILLED RUMBLE STRIPS AS DIRECTED BY PROJECT ENGINEER
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V1	MILLED ASPHALT PAVEMENT 1.5" IN DEPTH IN DISTRESSED AREAS AS DIRECTED BY THE ENGINEER

CONTRACT: DN01049

09/08/09

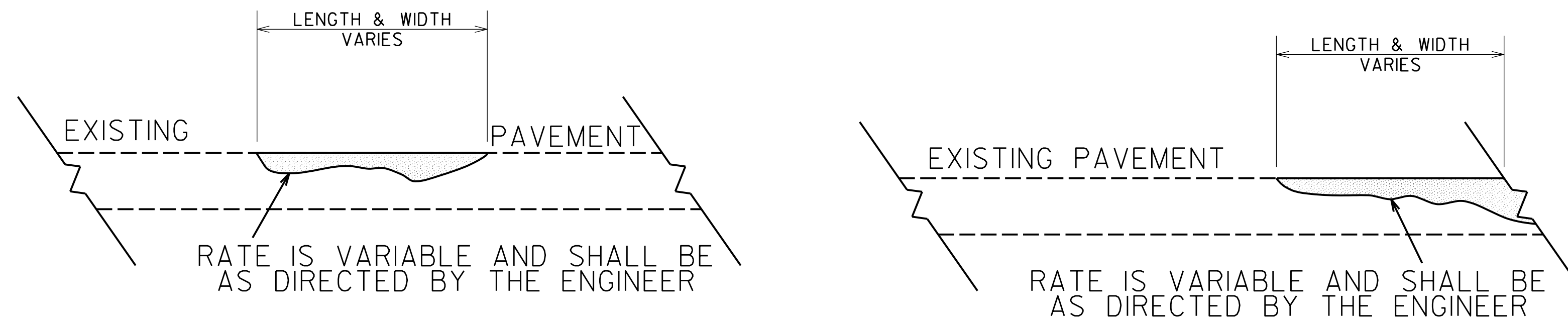


STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.14.08.10751	8	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2024CPT.14.08.20751			



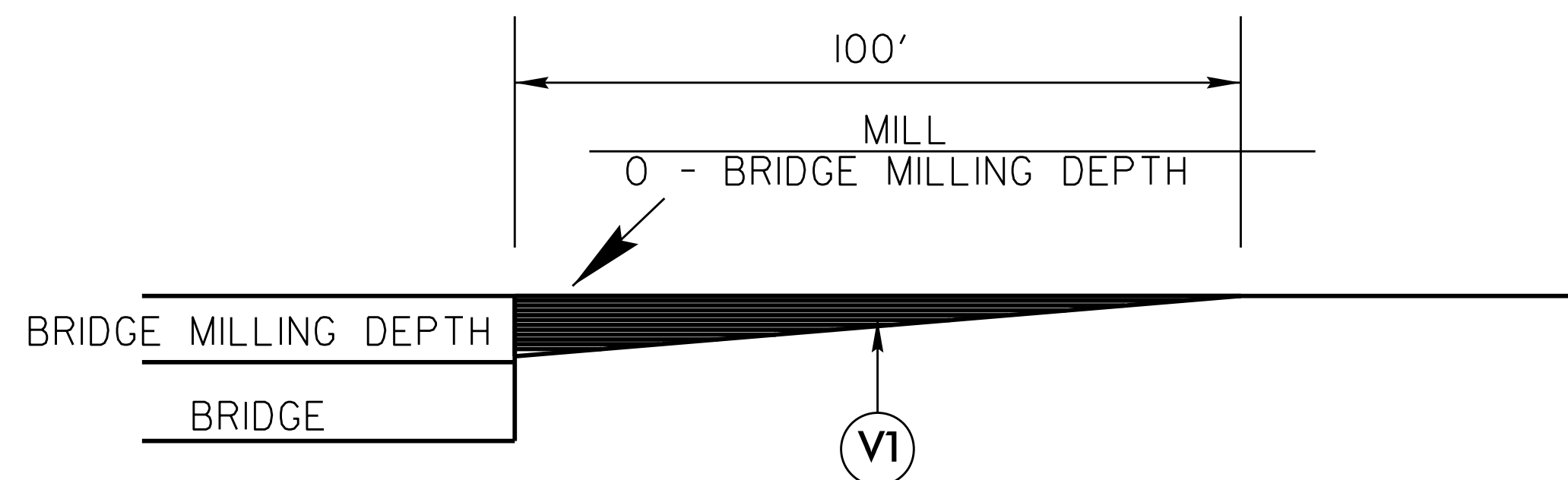
**MILLING DETAIL AT BRIDGE APPROACHES**

**WHERE BRIDGES WILL NOT BE RESURFACED. THIS WILL BE PAID FOR AS 0"- 1 1/2" MILLING.**



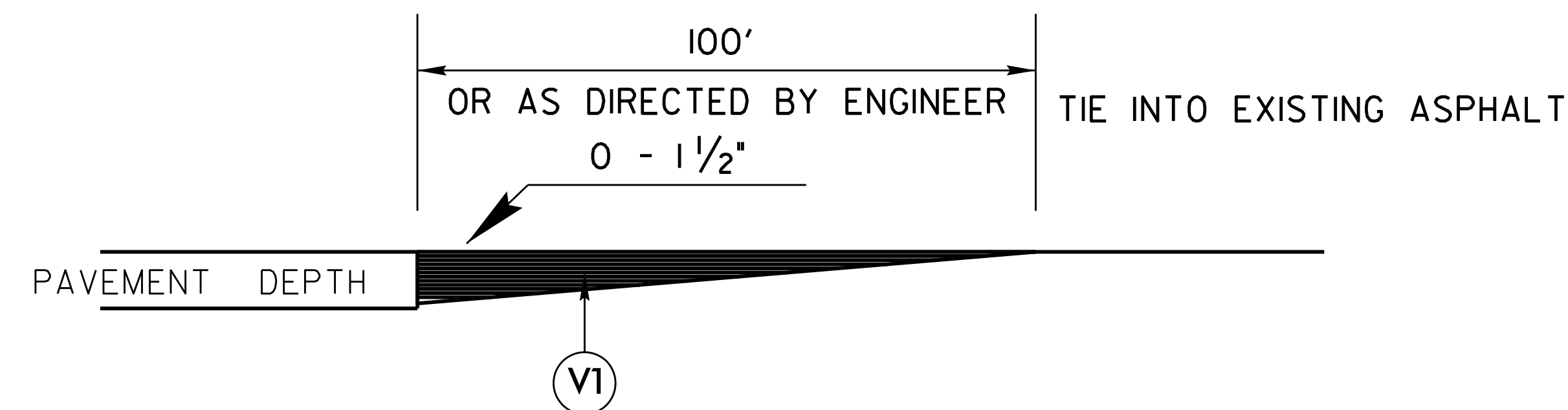
**DETAIL SHOWING METHOD OF WEDGING**

**\*PROPOSED WEDGE COURSE\* ( 114 LBS PER SQ YARD PER 1" DEPTH)**



**MILLING DETAIL AT BRIDGE APPROACHES**

**WHERE BRIDGES WILL BE MILLED THEN RESURFACED. THIS WILL BE PAID FOR AS 0"- 1 1/2" MILLING.**



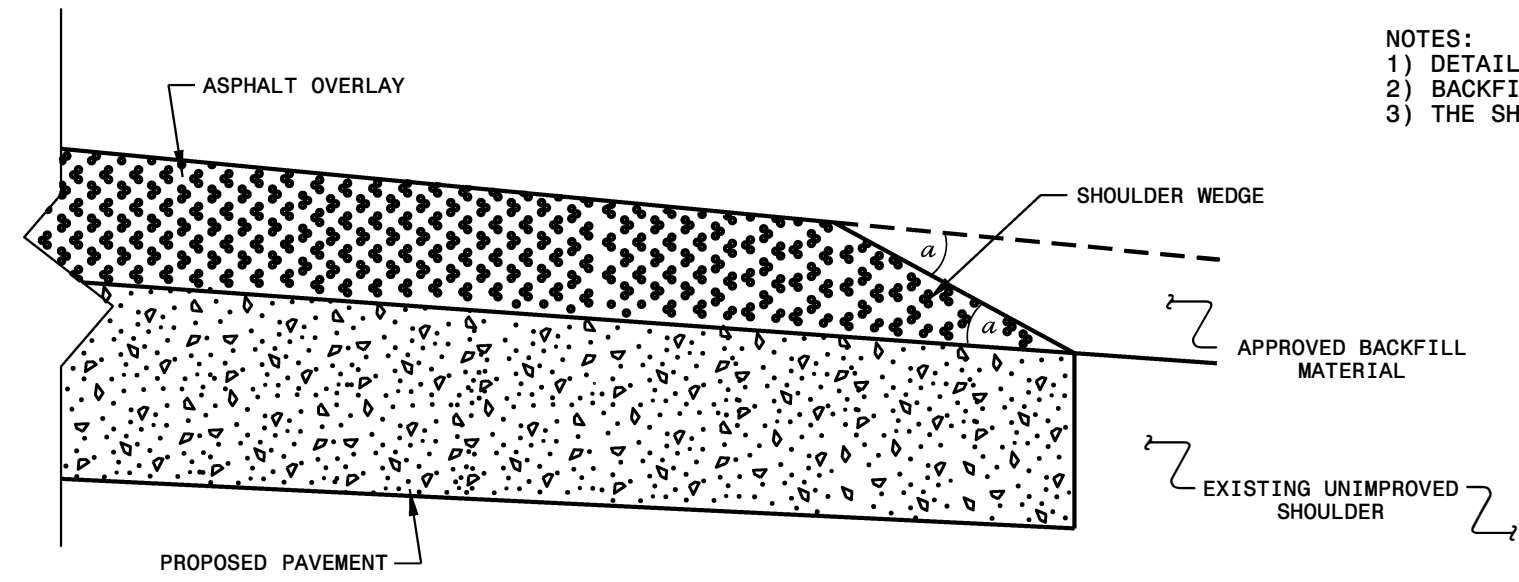
**DETAIL TO TIE INTO EXIST PAVEMENT**

**THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT HE WILL BE REQUIRED TO MILL THE EXISTING ASPHALT PAVEMENT TO ENSURE A PROPER TIE-IN WITH THE EXISTING SURFACE AT THE BEGINNING, END AND Y LINES OF EACH MAP. THIS WILL BE PAID FOR AS 0-1 1/2" MILLING.**

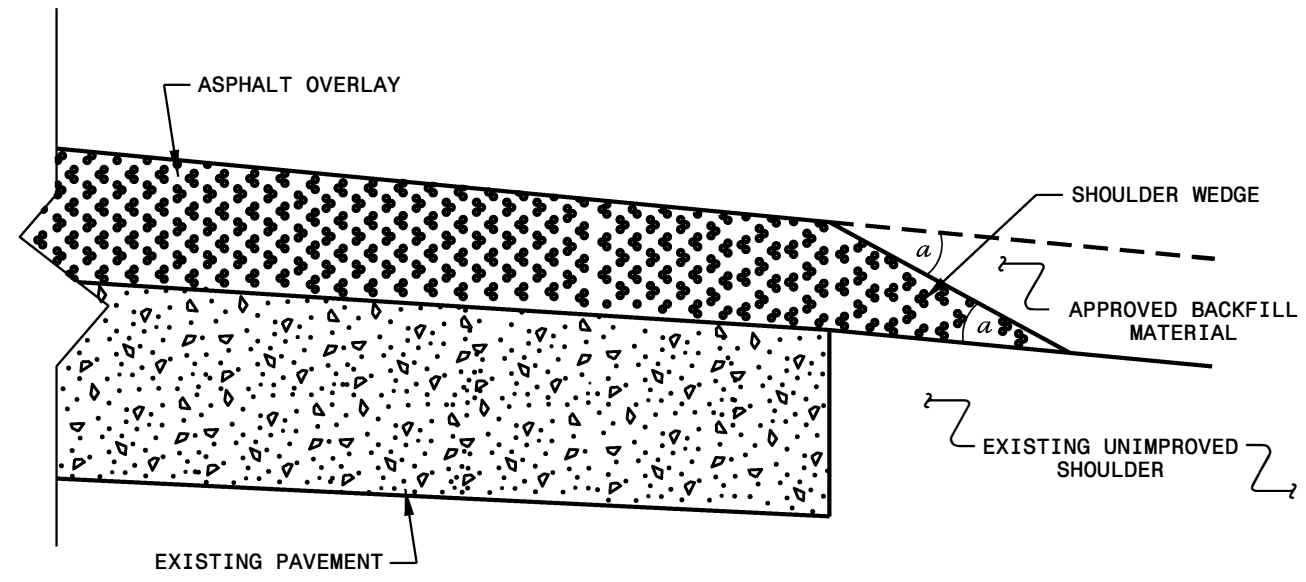
CONTRACT: DN01049

09/08/09

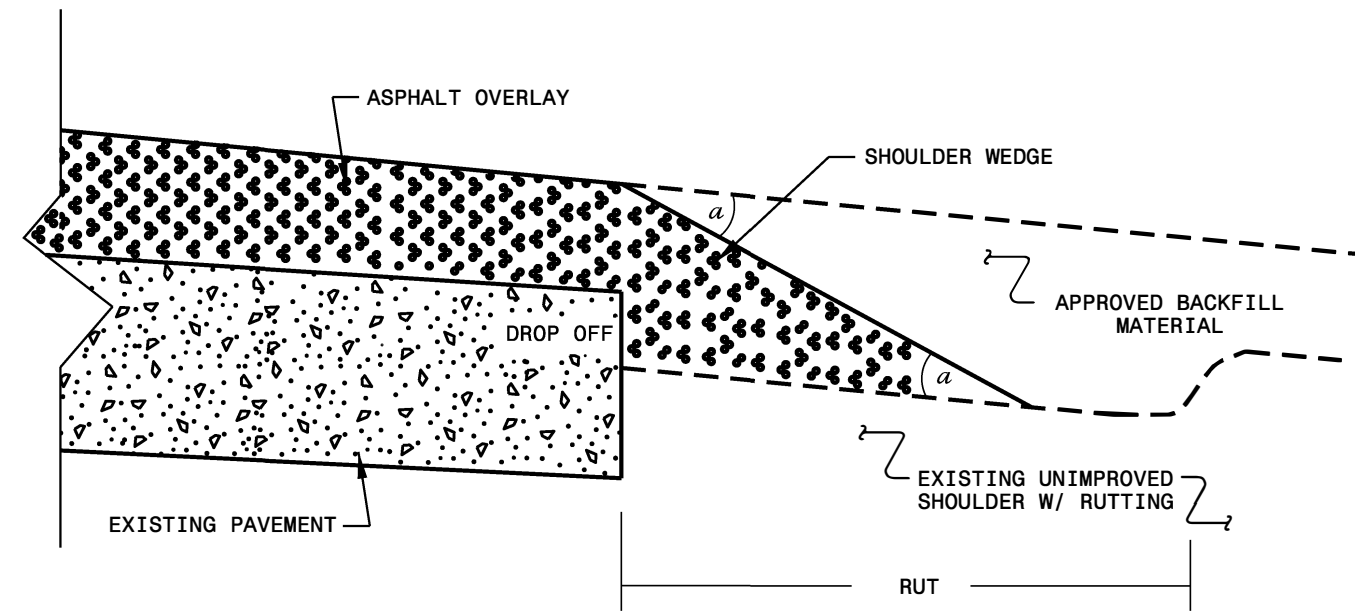
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFc AND ULTRA-THIN BONDED WEARING COURSE.
  - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
  - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**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°

<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b>			
Office 919-707-6950		FAX 919-250-4119	
<b>SHOULDER WEDGE DETAILS</b>			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 10/16/12		
CHECKED BY:	DATE:		
FILE SPEC.: s:\usr\dot_all\stand\shoulderwed_detail.dwg			

11/15/11 10:58:58 AM T.SPELL 11/15/11 10:58:58 AM T.SPELL 11/15/11 10:58:58 AM T.SPELL

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.14.08.10751	10	
2024CPT.14.08.20751		

### SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANE S	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGT H	WIDT H	BEGIN MP	END MP	1245000000-E	1260000000-E	1297000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	1840000000-E	2845000000-N	4520000000-N	7444000000-E	7456100000-E
														SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	1½" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	MILLED RUMBLE STRIPS (ASPHALT CEMENT)	ADJ. OF METER OR VALVE BOX	TUBULAR MARKERS (FIXED)	INDUCTIVE LOOP	LEAD-IN CABLE (14-2)
														SMI	TON	SY	SY	TONS	TONS	TONS	TONS	LF	EA	EA	LF	LF
2024CPT.14.08.10751	Polk	1	NC-9	FROM SC LINE TO 0.053 MILES N. OF SR 1525	1	2	2WU	NO	NO	8.2	23	0	8.2	16.56	2,484			10,309		670		86,592		11.00		
<b>TOTAL FOR MAP NO. 1</b>														<b>16.56</b>	<b>2,484</b>			<b>10,309</b>		<b>670</b>		<b>86,592</b>		<b>11.00</b>		
2024CPT.14.08.10751	Polk	2	NC-9	FROM 0.053 MILES N. OF SR 1525 TO BRIDGE #218 @ US 74	2	2	2WU	NO	NO	0.08	47	8.2	8.28			3,998			353	23	51	548				
<b>TOTAL FOR MAP NO. 2</b>														<b>0.08</b>		<b>3,998</b>		<b>353</b>	<b>23</b>	<b>51</b>	<b>548</b>					
2024CPT.14.08.10751	Polk	3	NC-108	FROM RAMP @ US 74 TO SR 1137	3	2	2WU	NO	NO	1.68	24	5.32	7	3.36	504		913		2,199	132	48	1		855	300	
<b>TOTAL FOR MAP NO. 3</b>														<b>1.68</b>	<b>504</b>		<b>913</b>	<b>2,199</b>	<b>132</b>	<b>48</b>	<b>1</b>	<b>855</b>	<b>300</b>			
<b>TOTAL FOR PROJ NO. 2024CPT.14.08.10751</b>														<b>9.96</b>	<b>2,988</b>	<b>3,998</b>	<b>913</b>	<b>10,309</b>	<b>2,552</b>	<b>825</b>	<b>99</b>	<b>87,140</b>	<b>1</b>	<b>11.00</b>	<b>855</b>	<b>300</b>
2024CPT.14.08.20751	Polk	4	SR-1122 / HOWARD GAP RD	FROM 0.58 MILES S. OF SR 1188 TO SR 1142	4	2	2WU	NO	NO	3.86	20	3.54	7.4	7.72	1,158		256	3,356		226	160					
<b>TOTAL FOR MAP NO. 4</b>														<b>3.86</b>	<b>1,158</b>		<b>256</b>	<b>3,356</b>	<b>226</b>	<b>160</b>						
2024CPT.14.08.20751	Polk	5	SR-1122 / OLD HOWARD GAP RD	FROM NC 108 TO SR 1128	4	2	2WU	NO	NO	0.84	20	0	0.84	1.60	240			725		52	93					
<b>TOTAL FOR MAP NO. 5</b>														<b>0.84</b>	<b>240</b>			<b>725</b>	<b>52</b>	<b>93</b>						
2024CPT.14.08.20751	Polk	6	SR-1572 / HENDERSON RD	FROM SR 1521 TO SR 1519	4	2	2WU	NO	NO	1.38	20	1.53	2.91	2.76	414			1,207		78						
<b>TOTAL FOR MAP NO. 6</b>														<b>1.38</b>	<b>414</b>			<b>1,207</b>	<b>78</b>							
<b>TOTAL FOR PROJ NO. 2024CPT.14.08.20751</b>														<b>6.08</b>	<b>1,812</b>		<b>256</b>	<b>5,288</b>	<b>356</b>	<b>253</b>						
<b>GRAND TOTAL</b>														<b>16.04</b>	<b>4,800</b>	<b>3,998</b>	<b>1,169</b>	<b>15,597</b>	<b>2,552</b>	<b>1,181</b>	<b>352</b>	<b>87,140</b>	<b>1</b>	<b>11.00</b>	<b>855</b>	<b>300</b>

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.14.08.10751	11	
2024CPT.14.08.20751		

### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4687000000-E	4688000000-E		4695000000-E		4709000000-E	4720000000-E	4725000000-E		4850000000-E	4890000000-E		4905100000-N	
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	THERMOPLASTIC PAVEMENT MARKING LINES (4", 240 MILS)	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	THERMO RT ARROW 90 M	THERMO LT ARROW 90 M	4" LINE REMOVAL	WHITE HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 50 MIL	YELLOW HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 50 MIL	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	
								MI	FT			SF	LS	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	
2024CPT.14.08.10751	Polk	1	NC-9	FROM SC LINE TO 0.053 MILES N. OF SR 1525	1	2	2WU	8.2	23	0	8.2	952	0.69	576	88,783	87,436			315	18			576			1,098	
<b>TOTAL FOR MAP NO. 1</b>								<b>8.2</b>				<b>952</b>	<b>0.69</b>	<b>576</b>	<b>88,783</b>	<b>87,436</b>			<b>315</b>	<b>18</b>			<b>576</b>			<b>1,098</b>	
2024CPT.14.08.10751	Polk	2	NC-9	FROM 0.053 MILES N. OF SR 1525 TO BRIDGE #218 @ US 74	2	2	2WU	0.08	47	8.2	8.28	9			1,732	1,907			94		1	2				20	
<b>TOTAL FOR MAP NO. 2</b>								<b>0.08</b>				<b>9</b>			<b>1,732</b>	<b>1,907</b>			<b>94</b>		<b>1</b>	<b>2</b>				<b>20</b>	
2024CPT.14.08.10751	Polk	3	NC-108	FROM RAMP @ US 74 TO SR 1137	3	2	2WU	1.68	24	5.32	7	224			18,200	18,500	270	235	201	12	3	5				235	
<b>TOTAL FOR MAP NO. 3</b>								<b>1.68</b>				<b>224</b>			<b>18,200</b>	<b>18,500</b>	<b>270</b>	<b>235</b>	<b>201</b>	<b>12</b>	<b>3</b>	<b>5</b>				<b>235</b>	
<b>TOTAL FOR PROJ NO. 2024CPT.14.08.10751</b>								<b>9.96</b>				<b>1,185</b>	<b>0.69</b>	<b>576</b>	<b>108,715</b>	<b>107,843</b>	<b>270</b>	<b>235</b>	<b>610</b>	<b>30</b>	<b>4</b>	<b>7</b>	<b>576</b>			<b>1,353</b>	
															<b>216,558</b>	<b>505</b>											
2024CPT.14.08.20751	Polk	4	SR-1122 / HOWARD GAP RD	FROM 0.58 MILES S. OF SR 1188 TO SR 1142	4	2	2WU	3.86	20	3.54	7.4	432	0.31												40,762	40,762	
<b>TOTAL FOR MAP NO. 4</b>								<b>3.86</b>				<b>432</b>	<b>0</b>													<b>40,762</b>	<b>40,762</b>
2024CPT.14.08.20751	Polk	5	SR-1122 / OLD HOWARD GAP RD	FROM NC 108 TO SR 1128	4	2	2WU	0.84	20	0	0.84	112													8,668	8,668	
<b>TOTAL FOR MAP NO. 5</b>								<b>0.84</b>				<b>112</b>														<b>8,668</b>	<b>8,668</b>
2024CPT.14.08.20751	Polk	6	SR-1572 / HENDERSON RD	FROM SR 1521 TO SR 1519	4	2	2WU	1.38	20	1.53	2.91	168													14,572	14,572	
<b>TOTAL FOR MAP NO. 6</b>								<b>1.38</b>				<b>168</b>														<b>14,572</b>	<b>14,572</b>
<b>TOTAL FOR PROJ NO. 2024CPT.14.08.20751</b>								<b>6.08</b>				<b>712</b>	<b>0.310</b>													<b>64,002</b>	<b>64,002</b>
																									<b>128,004</b>		

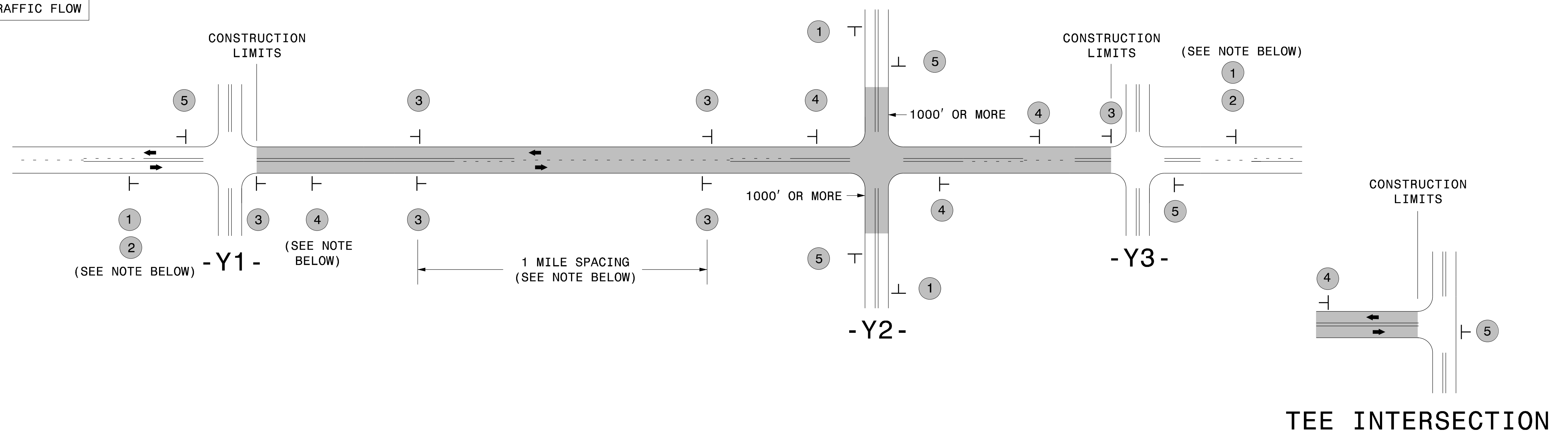


# SIGNING FOR RESURFACING PROJECTS

**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><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>SUBDIVISION ROADS</li> <li>DEAD END ROADS</li> </ol> <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;">               PLACED 500' IN ADVANCE OF FLAGGER.         </div> <div style="text-align: center;">               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:\TUX\WZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing\_AdvWarn\_2Ln.dgn User:kadai