

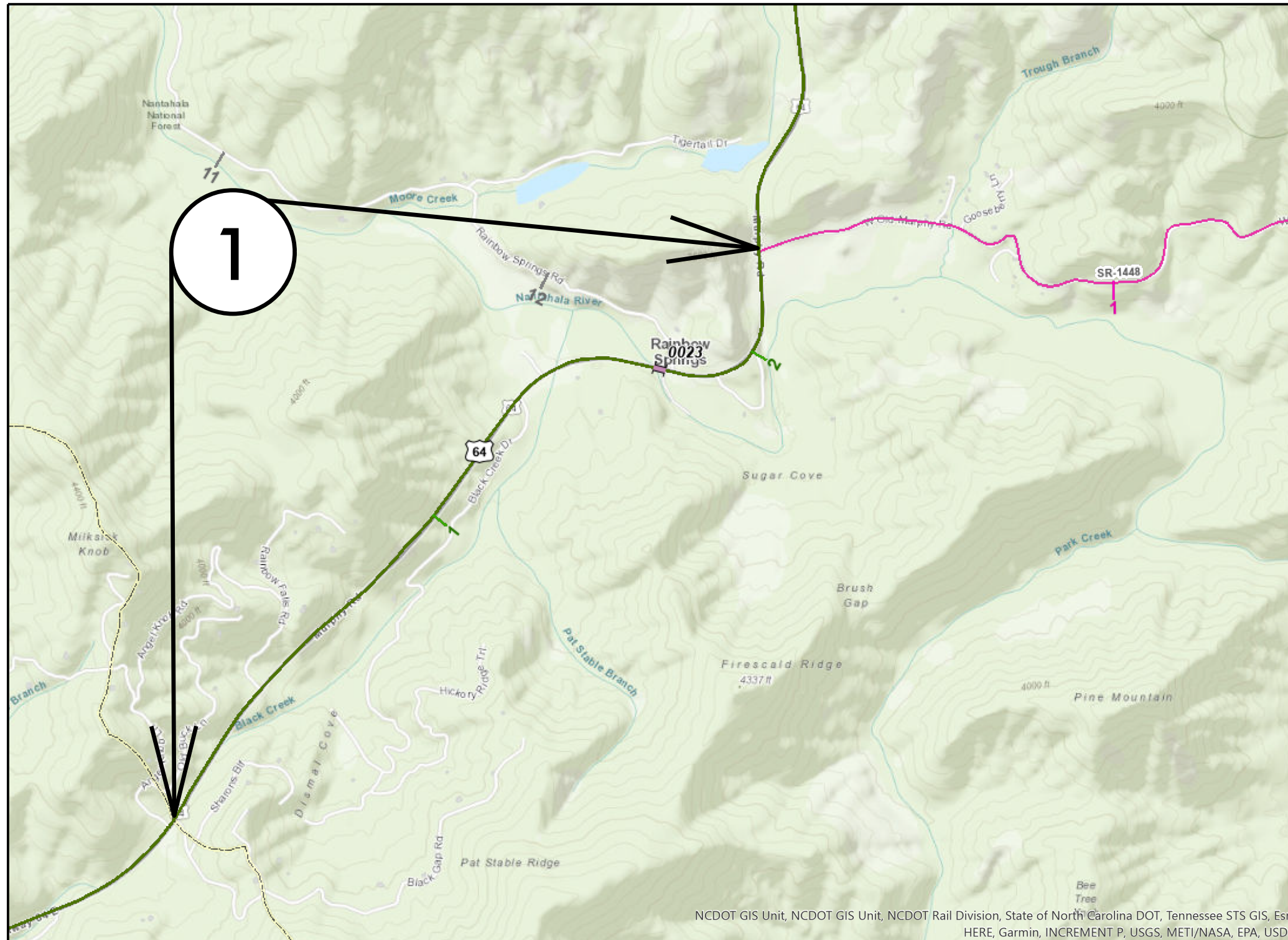
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STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.02.10561	1	11
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.02.10561			
2025CPT.14.02.20561			

# MACON COUNTY



MAP 1



BEG



END

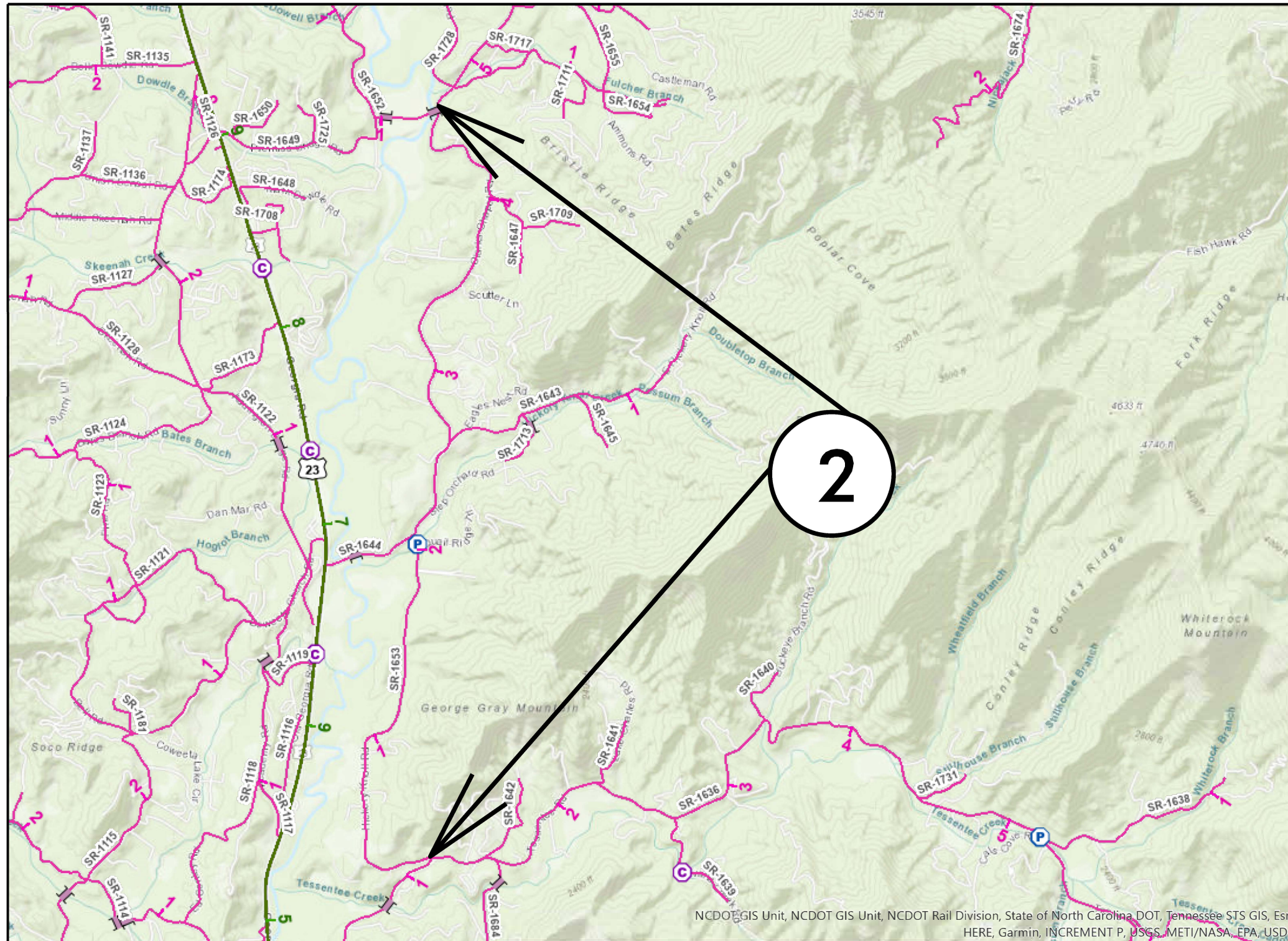
NCDOT GIS Unit, NCDOT GIS Unit, NCDOT Rail Division, State of North Carolina DOT, Tennessee STS GIS, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

CONTRACT: DN01059

09/08/09

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.02.20561	2	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	

# MACON COUNTY



## MAP 2



BEG

END

CONTRACT: DN01059

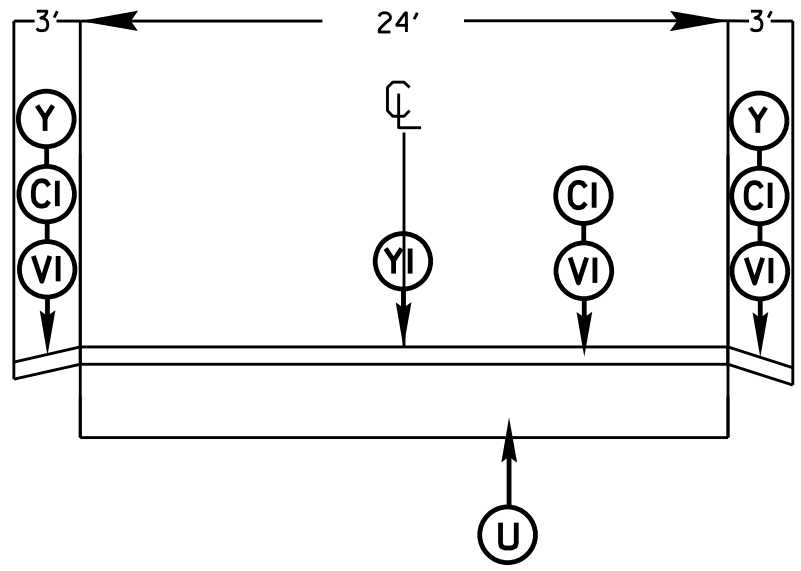
NCDOT GIS Unit, NCDOT GIS Unit, NCDOT Rail Division, State of North Carolina DOT, Tennessee SJS GIS, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, EPA, USDA

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.02.10561	3	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.02.20561			

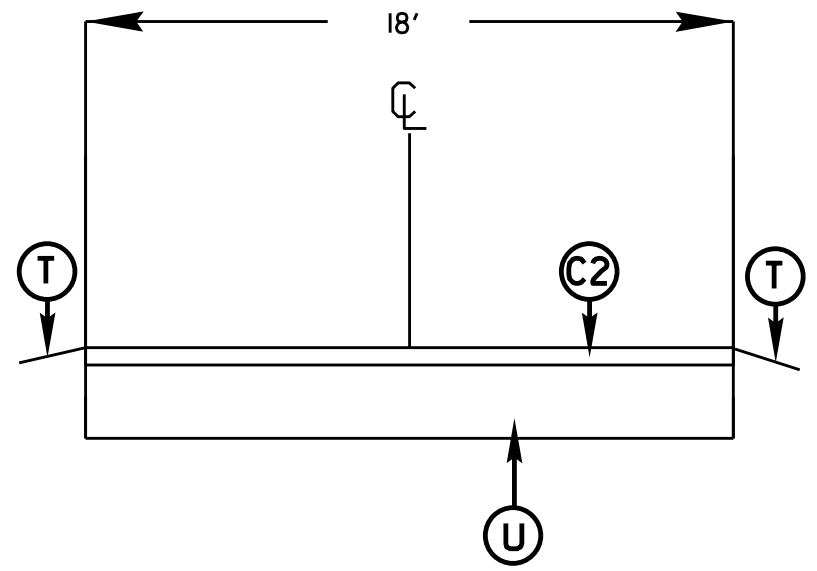
## SURFACING SCHEDULE

C1	PROP. APPROX. 2 LAYERS OF 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, (LEVELING) TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION WITH ASB. 2' WIDE UNLESS DIRECTED BY PROJECT ENGINEER -SEE SPECIAL PROVISIONS-
U	EXISTING PAVEMENT
V1	MILLED ASPHALT PAVEMENT 3" IN DEPTH AS DIRECTED BY PROJECT ENGINEER
Y	MILLED RUMBLE STRIPS OUTSIDE EOT
Y1	SINUSOIDAL MILLED RUMBLE STRIPS IN CENTERLINE

### TYPICAL 1



### TYPICAL 2



CONTRACT: DN01059

09/08/09



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.02.10561	5	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.02.20561			

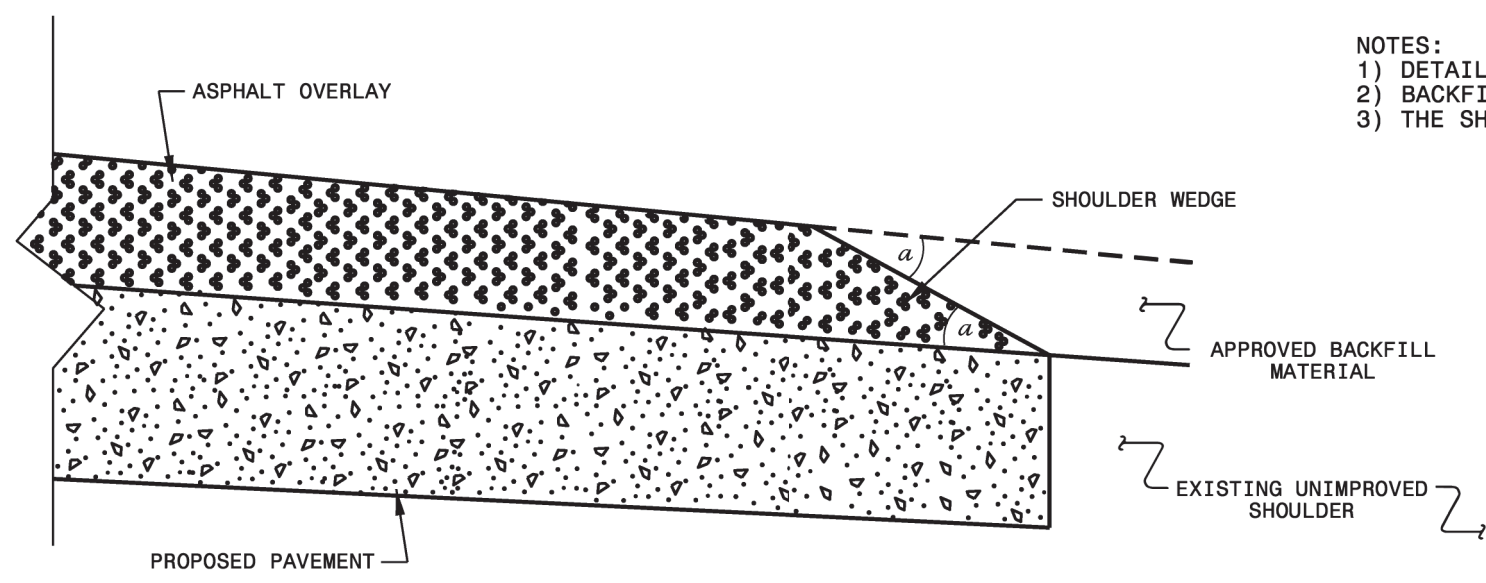
**Bridge Structure Table**

Map #	Route No.	Road Name	County	Structure No.	Posted SV (Tons)	Posted TTST (Tons)	Paving Across Bridge
1	US 64	US 64	Macon	550023	99	99	Yes

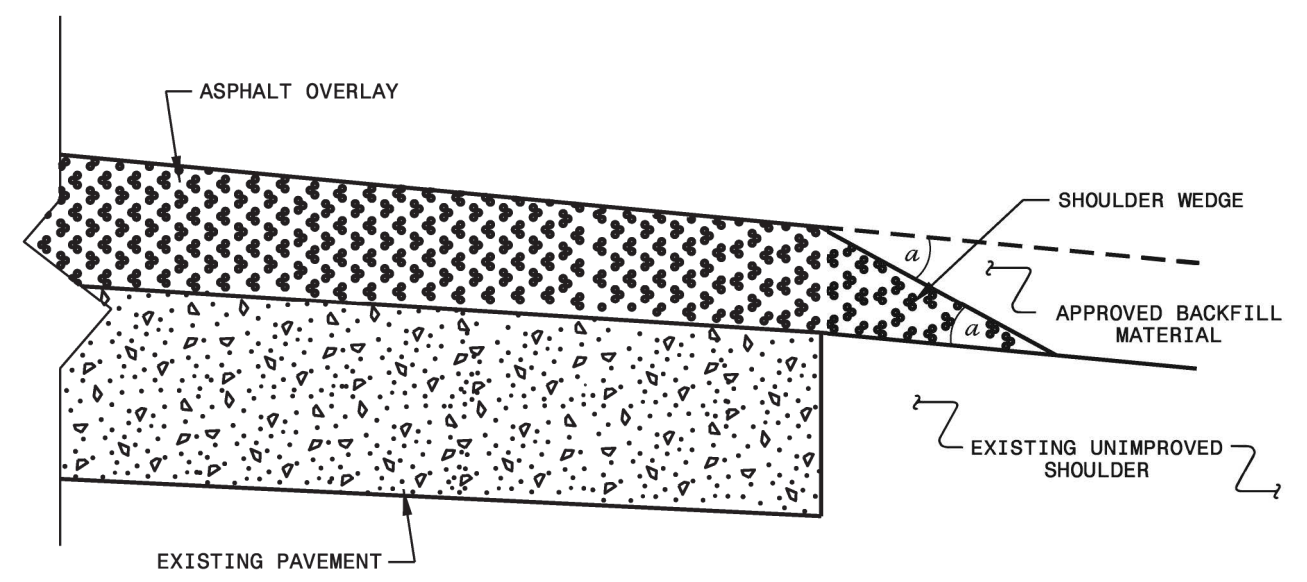
**CONTRACT: DN01059**

09/08/09

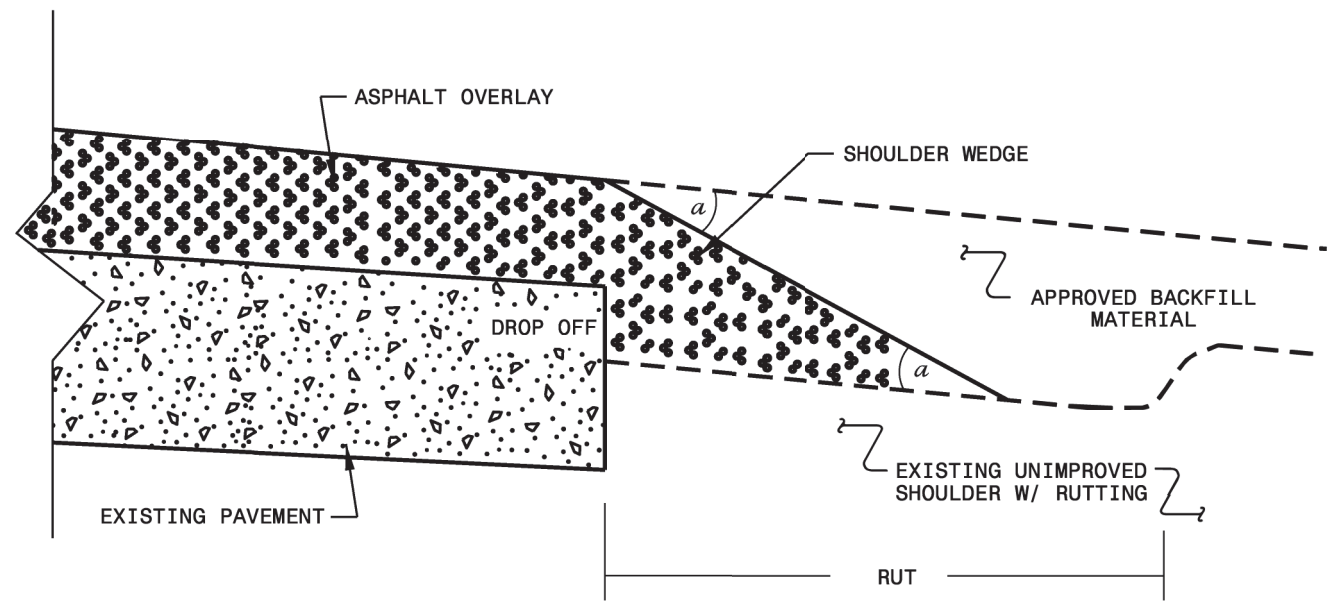
- NOTES:  
 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.  
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.  
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.



**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)

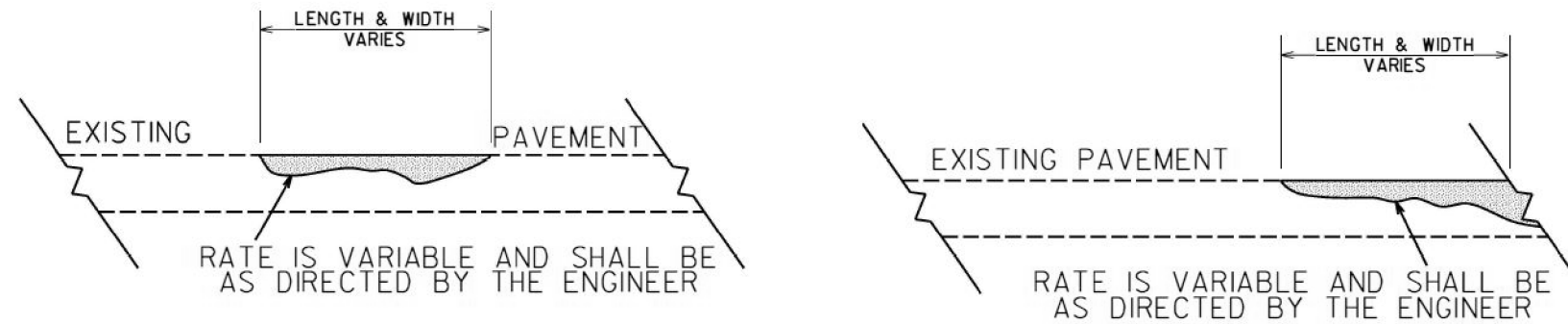
- SHOULDER WEDGE ANGLE = 30°

<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\det_alls\stand\shoulderwedetail.dgn			

CONTRACT: DN01059

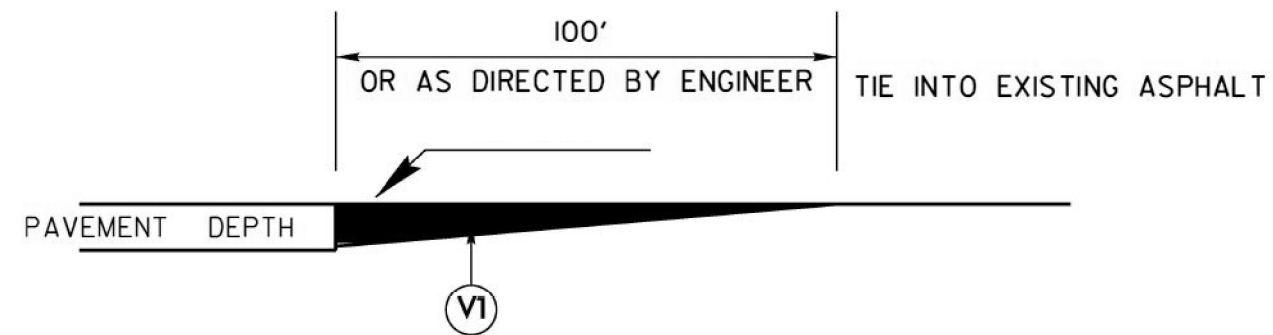
SYSTEMS CONDITIONING  
SERVICES

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	2025CPT.14.02.10561	7	
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
2025CPT.14.02.20561			



**DETAIL SHOWING METHOD OF WEDGING**

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



**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.**

CONTRACT: DN01059



PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.14.02.10561	8	
2025CPT.14.02.20561		

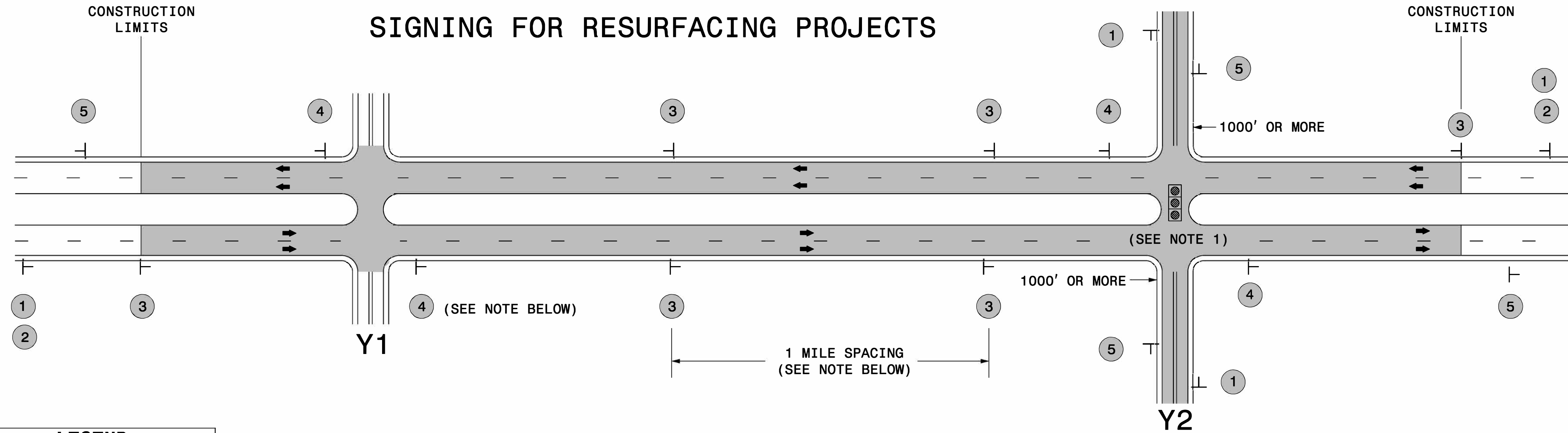
**SUMMARY OF QUANTITIES**

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	BEGIN MP	END MP	1245000000-E	1260000000-E	1297000000-E	1520000000-E	1523000000-E	1575000000-E	1704000000-E	1841000000-E	1881000000-E			
														SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	3" MILLING	LEVELING COURSE, \$9.5B	SURFACE COURSE, \$9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	MILLED RUMBLE STRIPS (ASPHALT CEMENT CONCRETE) (EDGE LINE, 16")	SINUSOIDAL MILLED RUMBLE STRIPS (CENTERLINE, 16")			
														MI	FT										
2025CPT.14.02.10561	Macon	1	US-64	FROM CLAY CO LINE TO SR 1448	1	2	2WU	NO	NO	2.26	30	0	2.26		100	41,468		7,242	427		24,566	12,284			
<b>TOTAL FOR MAP NO. 1</b>										<b>2.26</b>					<b>100</b>	<b>41,468</b>		<b>7,242</b>	<b>427</b>		<b>24,566</b>	<b>12,284</b>			
<b>TOTAL FOR PROJ NO. 2025CPT.14.02.10561</b>										<b>2.26</b>					<b>100</b>	<b>41,468</b>		<b>7,242</b>	<b>427</b>		<b>24,566</b>	<b>12,284</b>			
2025CPT.14.02.20561	Macon	2	SR-1653 / HICKORY KNOLL RD	FROM SR 1636 TO SR 1649	2	2	2WU	NO	NO	4.69	18	0	4.69	9.50	1,407		3,450		432	4,330					
<b>TOTAL FOR MAP NO. 2</b>										<b>4.69</b>					<b>9.50</b>	<b>1,407</b>		<b>3,450</b>	<b>432</b>	<b>4,330</b>					
<b>TOTAL FOR PROJ NO. 2025CPT.14.02.20561</b>										<b>4.69</b>					<b>9.50</b>	<b>1,407</b>		<b>3,450</b>	<b>432</b>	<b>4,330</b>					
<b>GRAND TOTAL</b>										<b>6.95</b>					<b>9.50</b>	<b>1,507</b>	<b>41,468</b>	<b>3,450</b>	<b>7,242</b>	<b>859</b>	<b>4,330</b>	<b>24,566</b>	<b>12,284</b>		

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.14.02.10561	9	
2025CPT.14.02.20561		

### 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	4688000000-E		4890000000-E			4709000000-E	4895000000-N		
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	WHITE HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 50 MIL	YELLOW HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 4", 50 MIL	WHITE HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, 24", 50 MIL	THERMOPLASTIC PAVEMENT MARKING LINES, 24", 50 MIL	GENERIC PAVEMENT MARKING ITEM - INLAID RAISED PAVEMENT MARKERS		
												SF	LS	LF	LF	LF	LF	LF	EA			
2025CPT.14.02.10561	Macon	1	US-64	FROM CLAY CO LINE TO SR 1448	1	2	2WU	2.26	30	0	2.26	259	0.55	25,000	25,000				50	190.00		
<b>TOTAL FOR MAP NO. 1</b>								<b>2.26</b>				<b>259</b>	<b>0.55</b>	<b>25,000</b>	<b>25,000</b>				<b>50</b>	<b>190.00</b>		
<b>TOTAL FOR PROJ NO. 2025CPT.14.02.10561</b>								<b>2.26</b>				<b>259</b>	<b>0.55</b>	<b>25,000</b>	<b>25,000</b>	<b>50,000</b>				<b>50</b>	<b>190.00</b>	
2025CPT.14.02.20561	Macon	2	SR-1653 / HICKORY KNOLL RD	FROM SR 1636 TO SR 1649	2	2	2WU	4.69	18	0	4.69	560	0.45			49,276	49,276	200				
<b>TOTAL FOR MAP NO. 2</b>								<b>4.69</b>				<b>560</b>	<b>0.450</b>			<b>49,276</b>	<b>49,276.00</b>	<b>200</b>				
<b>TOTAL FOR PROJ NO. 2025CPT.14.02.20561</b>								<b>4.69</b>				<b>560</b>	<b>0.450</b>			<b>49,276</b>	<b>49,276.00</b>	<b>200</b>	<b>98,752</b>			
<b>GRAND TOTAL</b>								<b>6.95</b>				<b>819</b>	<b>1.000</b>	<b>25,000</b>	<b>25,000</b>	<b>49,276</b>	<b>49,276.00</b>	<b>200</b>	<b>50</b>	<b>190</b>		
														<b>50,000</b>		<b>98,752</b>						



**LEGEND**  
 | STATIONARY SIGN  
 ← DIRECTION OF TRAFFIC FLOW

**MAINLINE (-L-) SIGNING**

**-Y- LINE SIGNING**

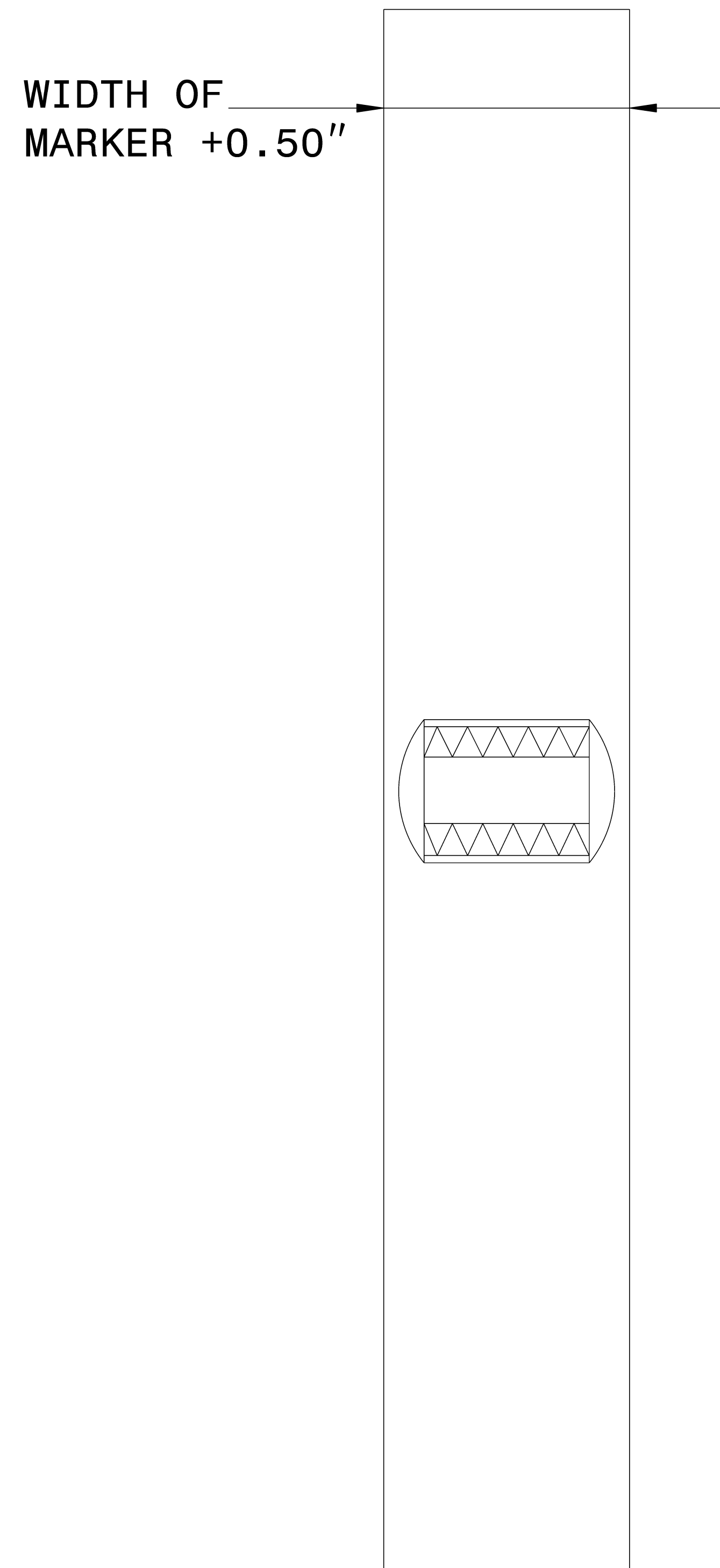
SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p><b>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</b></p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <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> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">   <small>W20-1 48" X 48"</small> </div> <div style="text-align: center;">   <small>W20-7 A 48" X 48"</small> </div> </div> <p>PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER.</p> <p><b>NOTES:</b></p> <ol style="list-style-type: none"> <li>1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.</li> </ol>
		<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>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	

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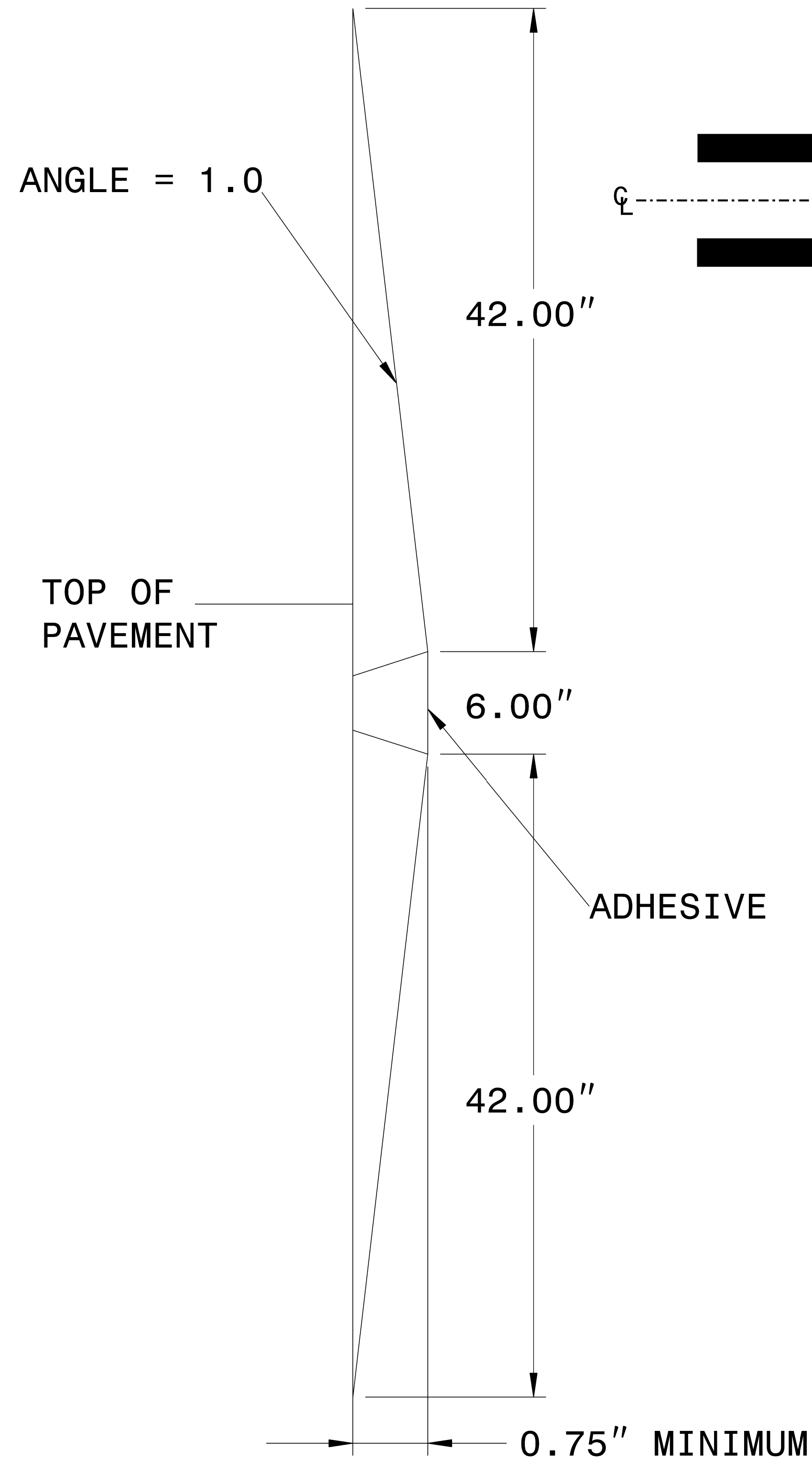


**RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN MULTI-LANE ROADWAYS W/ SHOULDER SECTIONS**

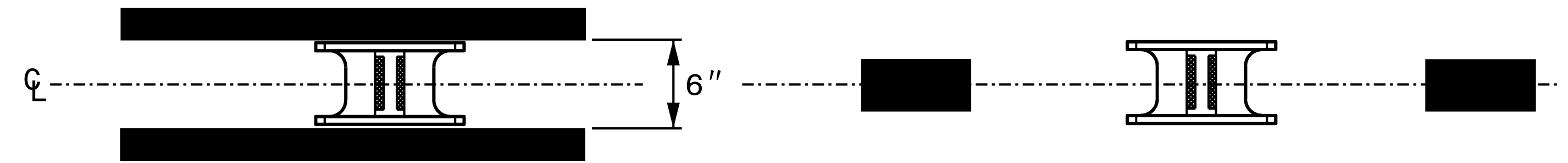
### PLAN VIEW



### SECTION VIEW



### MARKER SPACING



#### NOTES:

1. THE PAVEMENT SHALL BE SAW CUT TO THE DIMENSIONS SHOWN.
2. THE SAW CUT AREA MUST BE DRY AND FREE OF DUST, DIRT OR ANY MATERIAL WHICH WILL ADVERSELY AFFECT THE BOND OF THE ADHESIVE.
3. INSTALL MARKERS WITH APPROVED ADHESIVE. ADHESIVE SHOULD NOT BE ALLOWED TO BUILD UP IN FRONT OF MARKER LENS.
4. THE MARKER AND THE ADHESIVE PAD SHALL NOT EXCEED THE TOP OF THE PAVEMENT SURFACE. DEPTH = 0.75" MINIMUM.
5. RECESSED MARKERS INSTALLED ON CONCRETE PAVEMENT SHOULD BE INSTALLED A MINIMUM OF 2" FROM THE PAVEMENT JOINT OR EDGE

<b>CONTRACTS STANDARDS AND DEVELOPMENT UNIT</b>	
Office 919-707-8950 FAX 919-250-4119	
<b>DETAIL OF INLAID RAISED PAVEMENT MARKER</b>	
ORIGINAL BY: <u>rgwatson</u>	DATE: <u>02-06-2024</u>
MODIFIED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
FILE SPEC.: _____	