

WBS NO: 2025CPT.01.01.10661, ETC.

CONTRACT: DA00609

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 NORTHAMPTON

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2025CPT.01.01.10661, ETC.	1
STATE PROJECT NUMBER		DESCRIPTION
2025CPT.01.01.10661		CONST., P.E.

TYPE OF WORK: GUARDRAIL, MILLING, RESURFACING, & PAVEMENT MARKINGS

MAP	ROUTE	FROM	TO
01	NC 308	Bertie Co	US 258



PROJECT LENGTH

MAP	LENGTH
01	3.68

Prepared in the Office of:
 DIVISION OF HIGHWAYS
 113 AIRPORT DR., EDENTON, NC 27932

B. N. BRASWELL, PE
 DIV. PROJ. DEVELOPMENT ENGINEER

M. S. WINSLOW
 DIVISION CONTRACT ENGINEER

J. S. ABEL, JR.
 DIVISION PROJECT TEAM LEAD

D. H. STALLINGS
 DIVISION DESIGN ENGINEER



WBS NO: 2025CPT.01.01.10661, ETC.

CONTRACT: DA00609

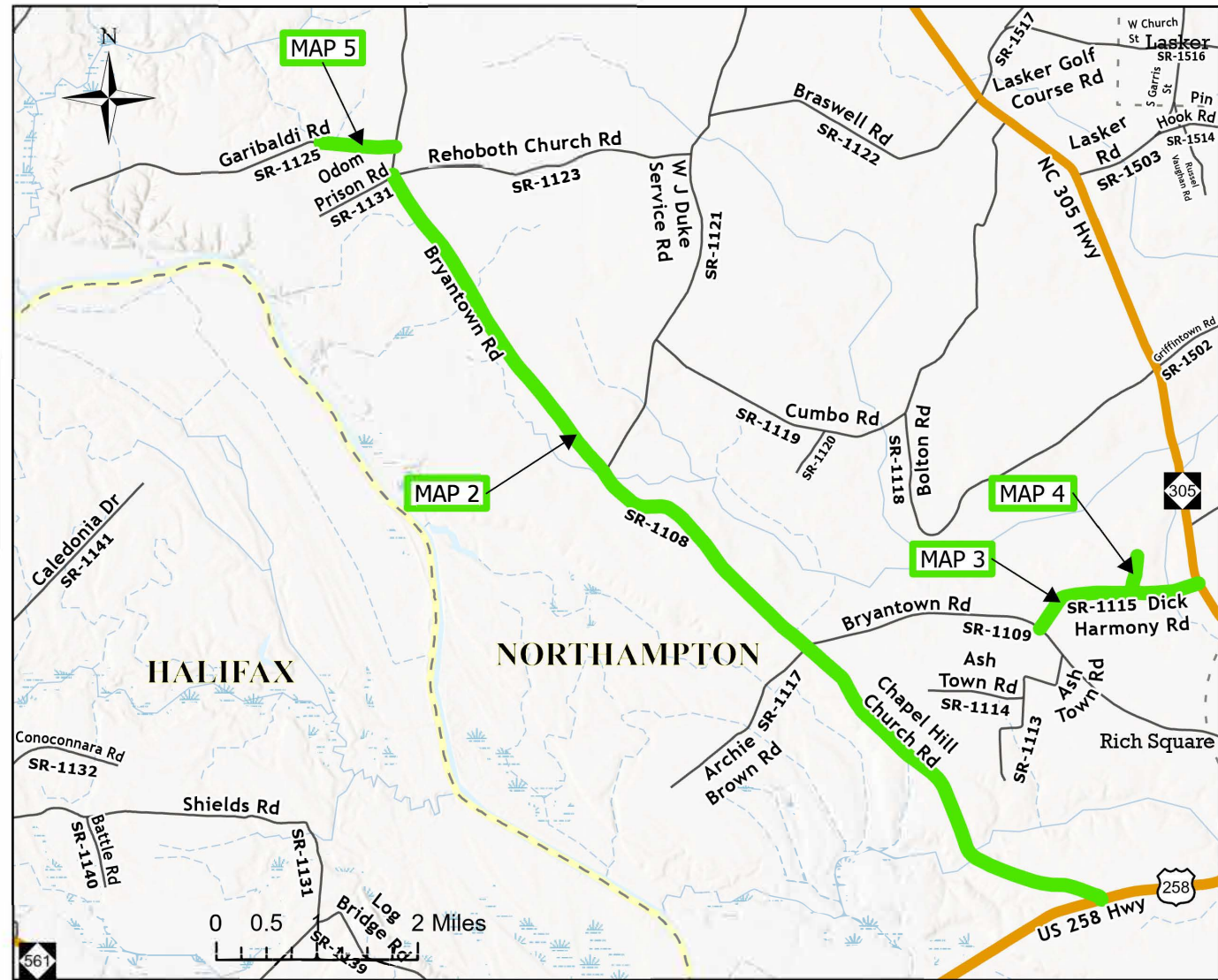
STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

NORTHAMPTON

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2025CPT.01.01.10661, ETC.	2
	STATE PROJECT NUMBER	DESCRIPTION
	2025CPT.01.01.20661	CONST., P.E.

TYPE OF WORK: RESURFACING, SHOULDER RECONSTRUCTION, & PAVEMENT MARKINGS

MAP	ROUTE	FROM	TO
02	SR 1108 (Bryantown Rd./Chapel Hill Church Rd.)	SR 1123 (Rehoboth Church Rd.)	US 258
03	SR 1115 (Dick Harmony Rd.)	SR 1109 (Bryantown Rd.)	NC 305
04	SR 1116 (Sarah Vaughan Rd.)	Dead End	SR 1115 (Dick Harmony Rd.)
05	SR 1125 (Garibaldi Rd.)	0.06 Miles West of SR 1108	SR 1108 (Bryantown Road)



PROJECT LENGTH

MAP	LENGTH
02	8.40
03	1.41
04	0.3
05	0.6

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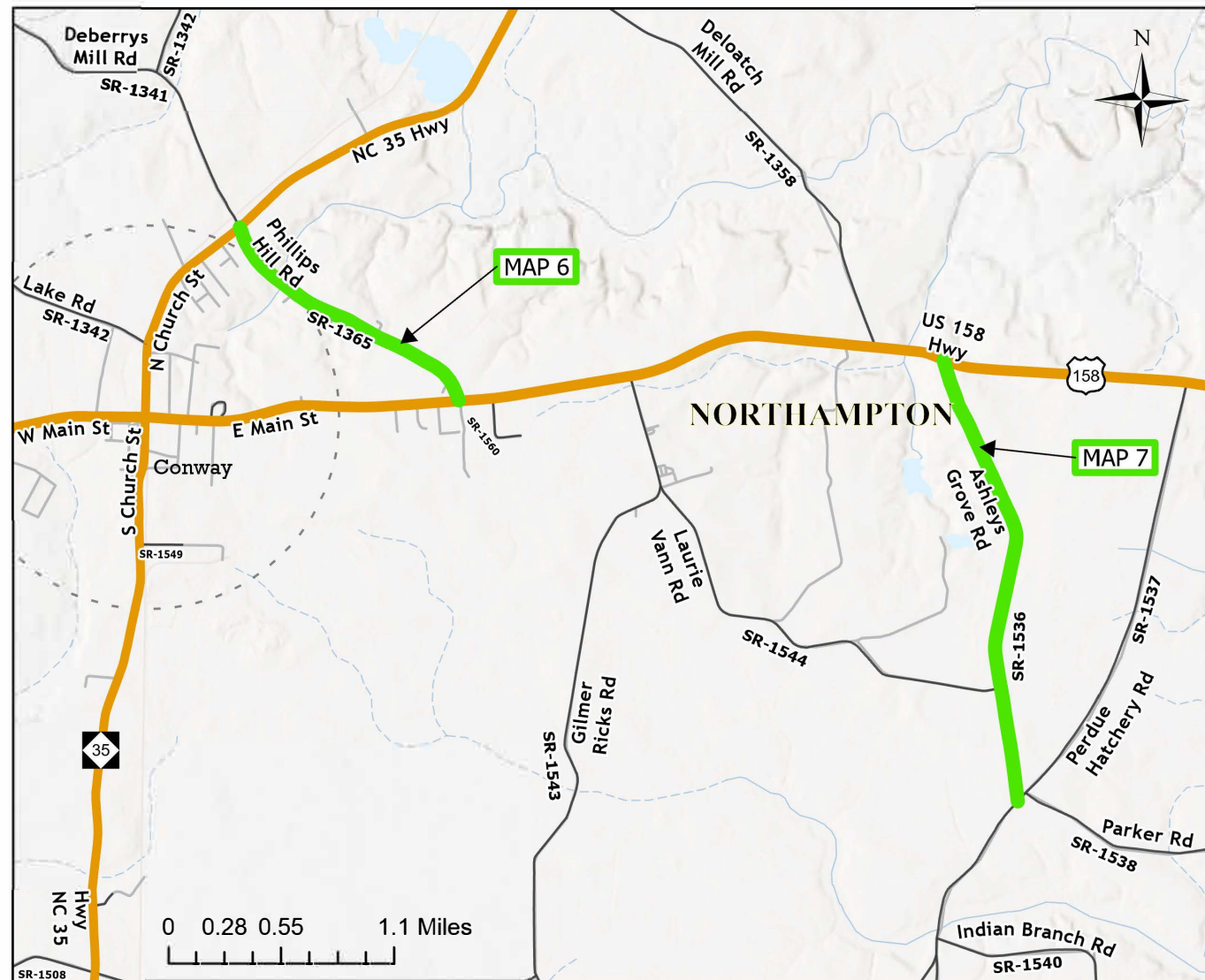
CONTRACT: DA00609

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
NORTHAMPTON

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2025CPT.01.01.10661, ETC.	3
STATE PROJECT NUMBER		DESCRIPTION
2025CPT.01.01.20661		CONST., P.E.

TYPE OF WORK: RESURFACING, SHOULDER RECONSTRUCTION, & PAVEMENT MARKINGS

MAP	ROUTE	FROM	TO
06	SR 1365 (Phillips Hill Rd.)	NC 35	US 158
07	SR 1536 (Ashley's Grove Rd.)	SR 1537 (Perdue Hatchery Rd.)	US 158



PROJECT LENGTH

MAP	LENGTH
06	1.13
07	1.80

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 113 AIRPORT DR., EDENTON, NC 27932

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CONTRACT: DA00609

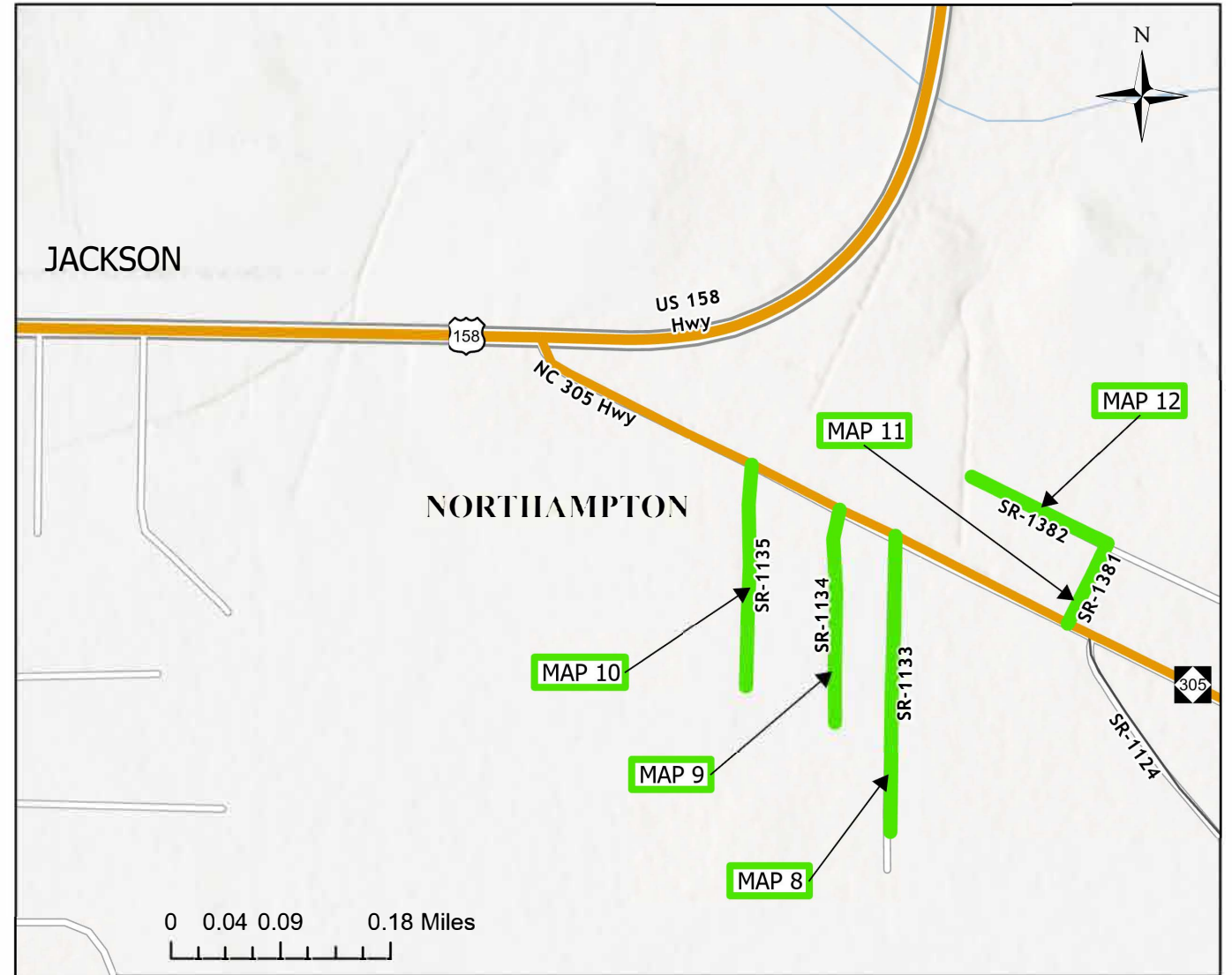
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NORTHAMPTON

STATE	STATE PROJECT REFERENCE NUMBER	SHEET NO.
NC	2025CPT.01.01.10661, ETC.	4
STATE PROJECT NUMBER		DESCRIPTION
2025CPT.01.01.20662		CONST., P.E.

TYPE OF WORK: UTILITY ADJUSTMENTS & RESURFACING

MAP	ROUTE	FROM	TO
08	SR 1133 (Jacob St.)	Dead End	NC 305
09	SR 1134 (Isaac St.)	Dead End	NC 305
10	SR 1135 (Abraham St.)	Dead End	NC 305
11	SR 1381 (Moore St.)	SR 1382 (Moore Subdivision Rd.)	NC 305
12	SR 1382 (Moore Subdivision Rd.)	Dead End	SR 1381 (Moore St.)



PROJECT LENGTH

MAP	LENGTH
08	0.19
09	0.14
10	0.15

MAP	LENGTH
11	0.06
12	0.10

Prepared in the Office of:
DIVISION OF HIGHWAYS
 113 AIRPORT DR., EDENTON, NC 27932

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D. H. STALLINGS
 DIVISION DESIGN ENGINEER

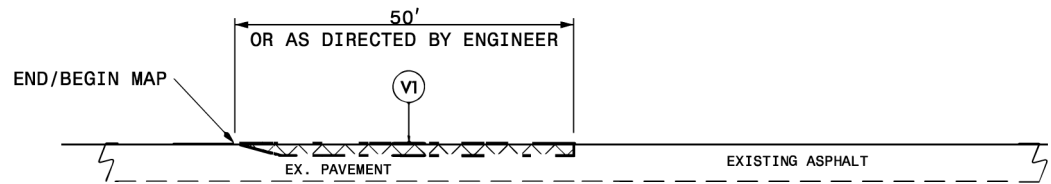


PAVEMENT SCHEDULE

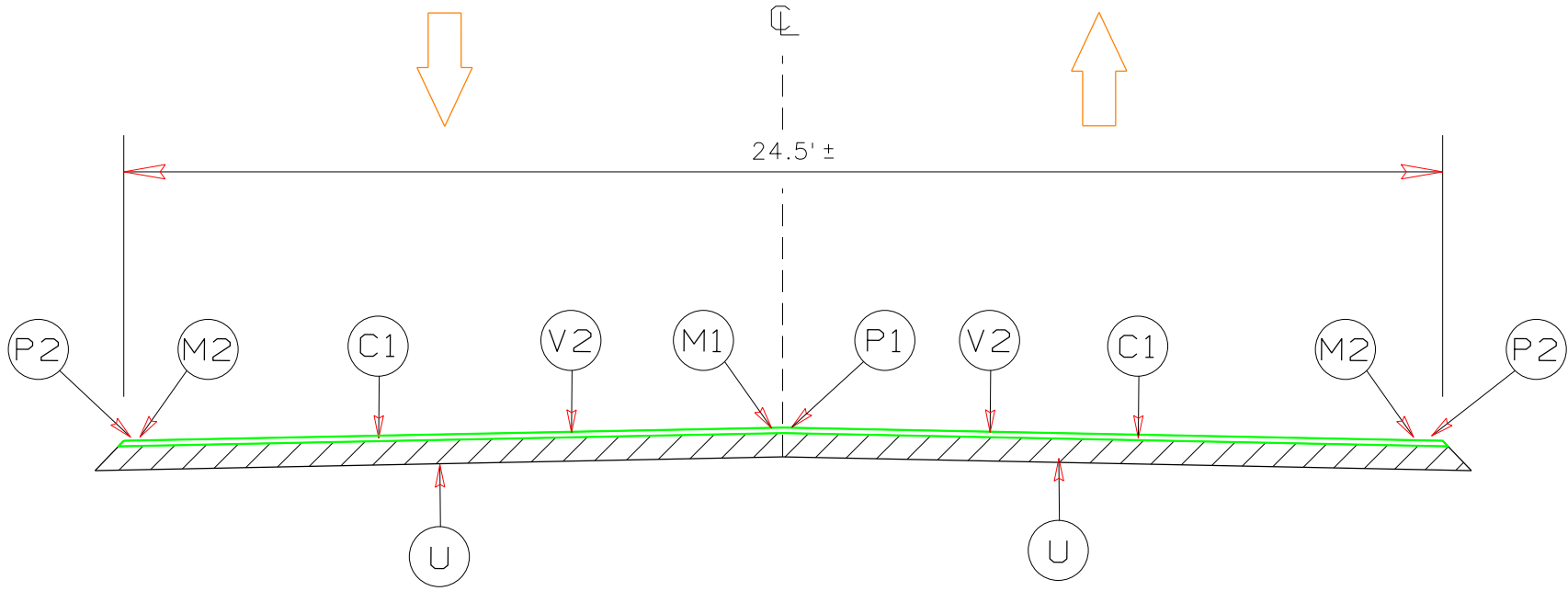
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
V1	INCIDENTAL MILLING
V2	MILLING ASPHALT PAVEMENT, 1.5" DEPTH
M1	PROP. APPROX. 18" SINUSOIDAL RUMBLE STRIPS
M2	PROP. APPROX. 8" SINUSOIDAL RUMBLE STRIPS
P1	PROP. APPROX. 6" , 55 MILS YELLOW HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES PLACED ON CENTERLINE
P2	PROP. APPROX. 6" , 55 MILS WHITE HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES PLACED ON EDGE LINES
U	EXISTING PAVEMENT.

NOTES:

- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * 1.5" OF S9.5C TO BE APPLIED THE FULL WIDTH OF THE ROADWAY



DETAIL 1
MAIN LINE MILLING
 NOTE:
 1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.
 2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.



TYPICAL SECTION NO. 1

USE WITH MAP 1

SYSTEM: TYPICAL SECTION NO. 1
 DATE: 01/01/2025
 TIME: 10:00 AM
 USER: J.D. SMITH
 PROJECT: 2025CPT.01.01.10661

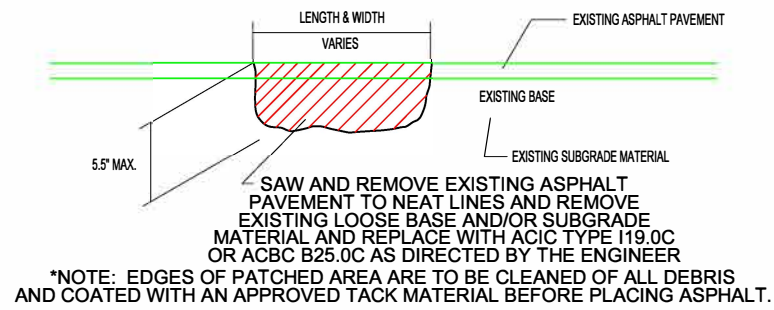
PAVEMENT SCHEDULE

C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
T	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT

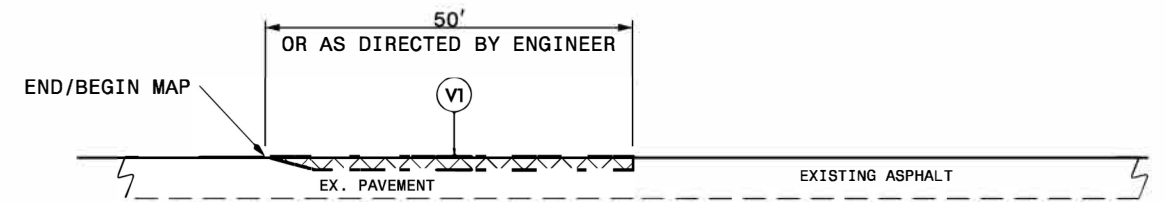
NOTES:

PROJECT REFERENCE NO.	SHEET NO.
2025CPT.01.01.10661, ETC.	6

- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * 1.5" OF S9.5B TO BE APPLIED THE FULL WIDTH OF THE ROADWAY
- * CONTRACTOR SHALL PERFORM PATCHING EXISTING PAVEMENT, FULL DEPTH BEFORE APPLICATION OF 1.5" OF S9.5B



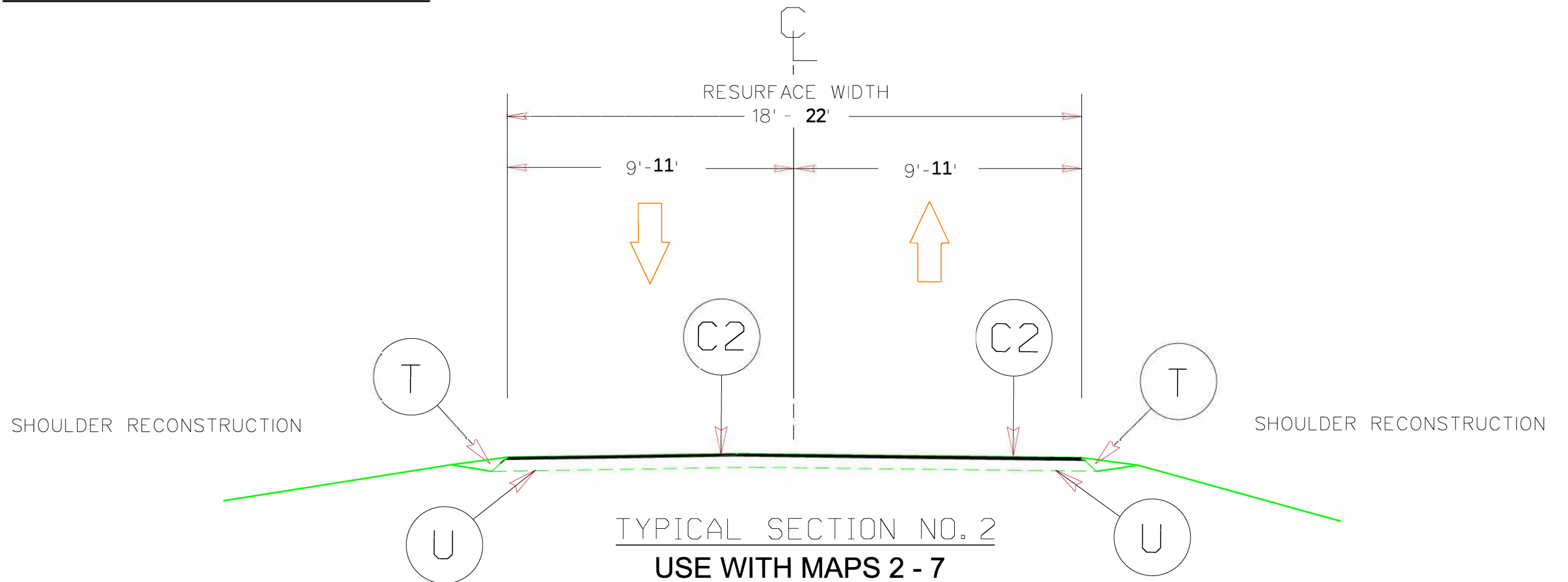
PATCHING EXISTING PAVEMENT (FULL DEPTH)



DETAIL 1

MAIN LINE MILLING

- NOTE:
1. INCLUDES INCIDENTAL MILLING AT THE ENDS OF MAIN LINE SECTIONS, OR AS DIRECTED BY THE ENGINEER.
 2. PAVE TO THE END OF THE MILLED SURFACE TO CREATE A SMOOTH TRANSITION.

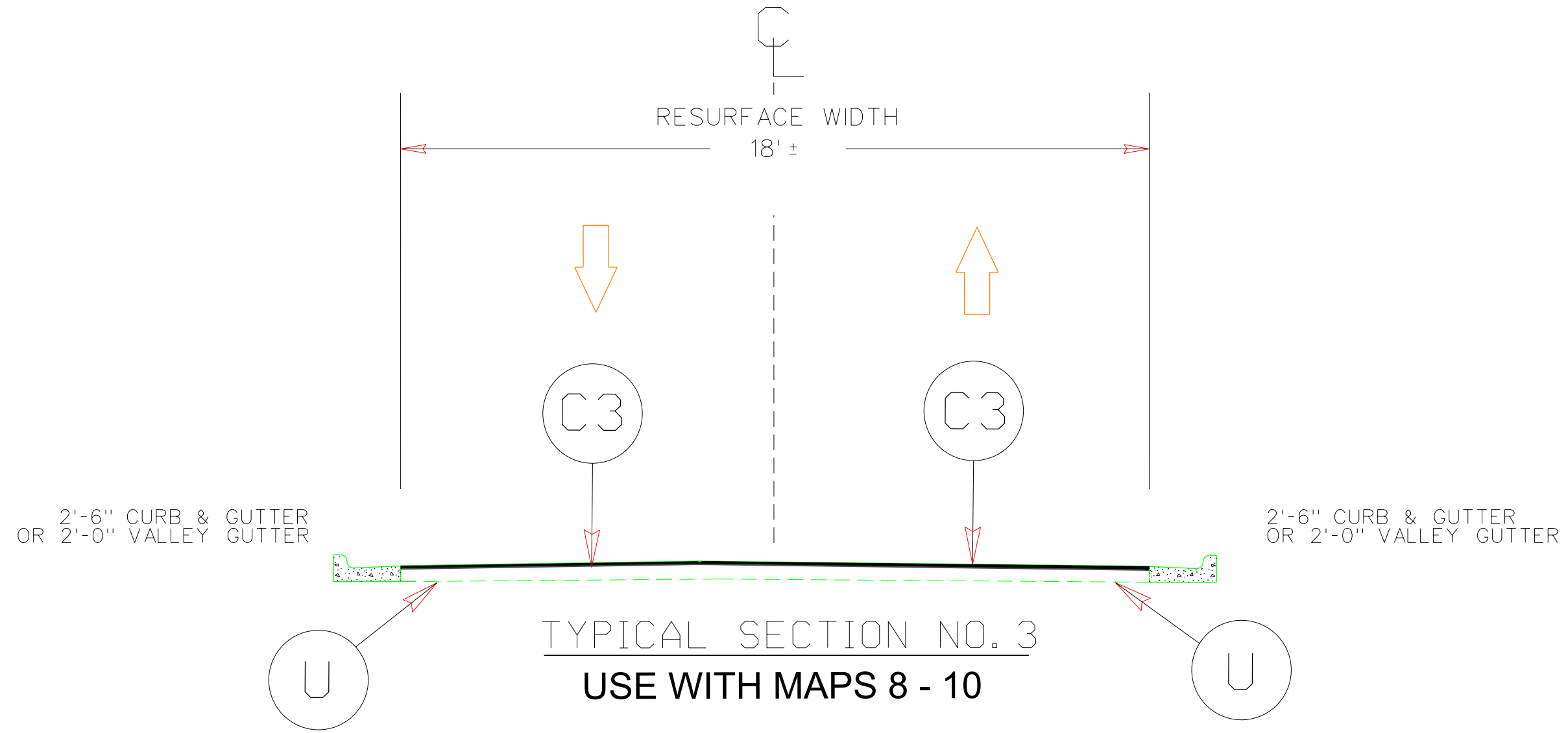


NOTES:

PAVEMENT SCHEDULE

C3	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
U	EXISTING PAVEMENT

- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * 1.25" OF S9.5B TO BE APPLIED THE FULL WIDTH OF THE ROADWAY

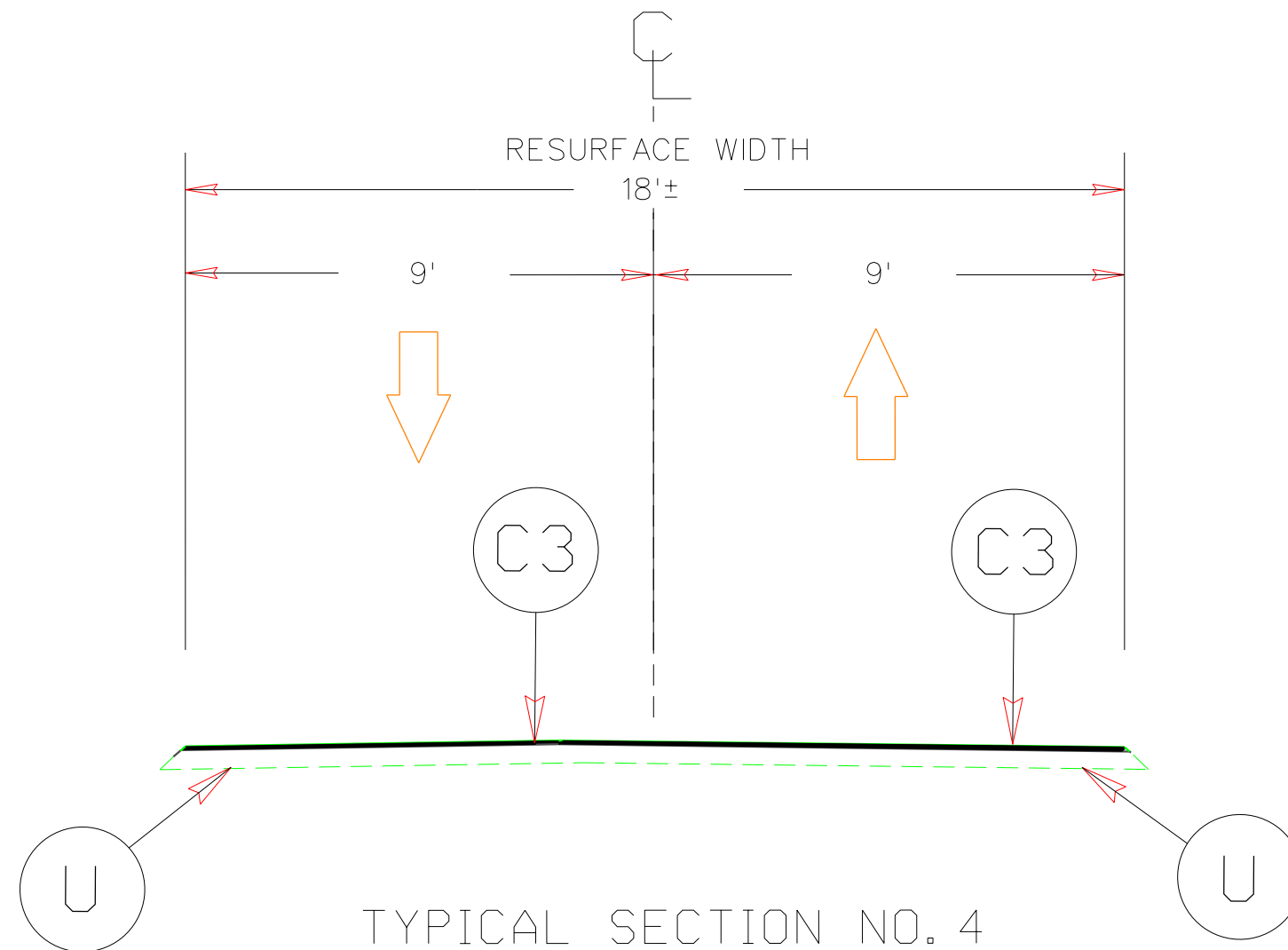


PAVEMENT SCHEDULE

C3	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 138 LBS. PER SQ. YD.
U	EXISTING PAVEMENT

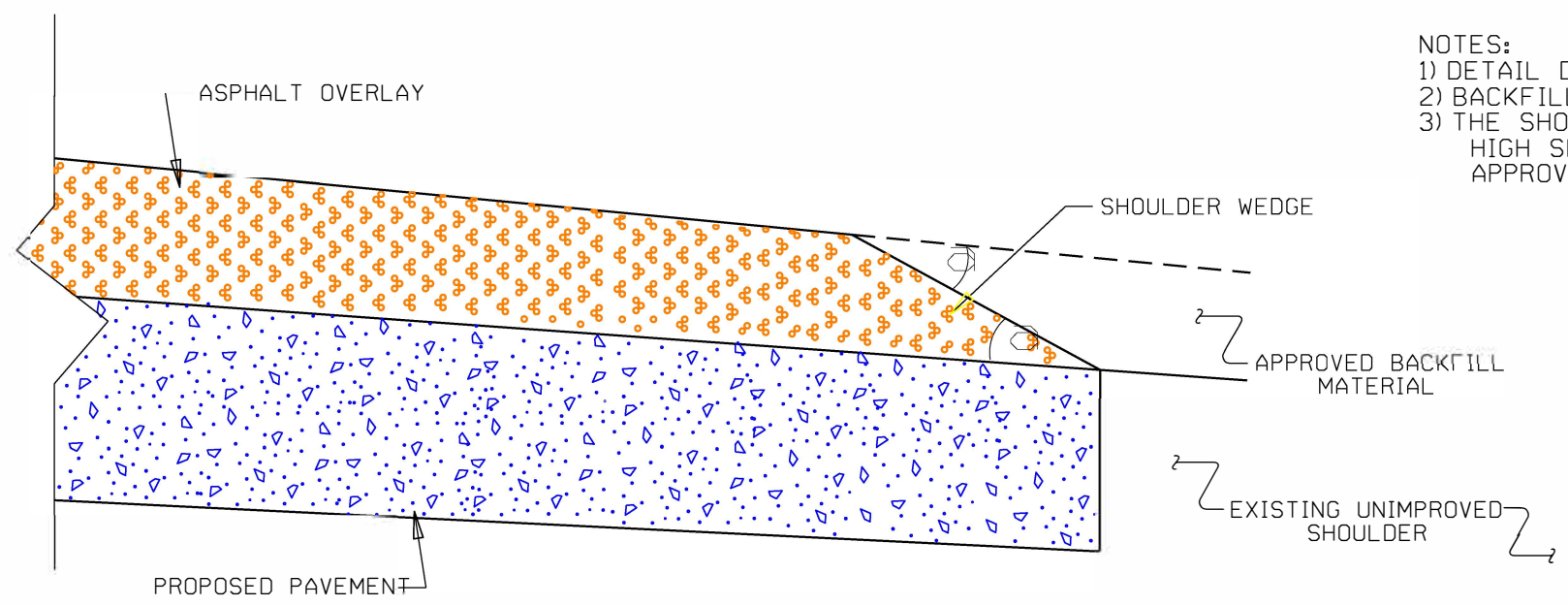
NOTES:

- * ALL INTERSECTING ROADS ARE TO BE RESURFACED TO THE ENDS OF THEIR RADII, THE MAIN LINE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER. THIS SHALL INCLUDE ANY TAPERS AND TURN LANES LOCATED BOTH ON THE MAIN LINE OR INTERSECTING PAVED ROADWAY.
- * EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE SUMMARY OF QUANTITIES.
- * 1.25" OF S9.5B TO BE APPLIED THE FULL WIDTH OF THE ROADWAY

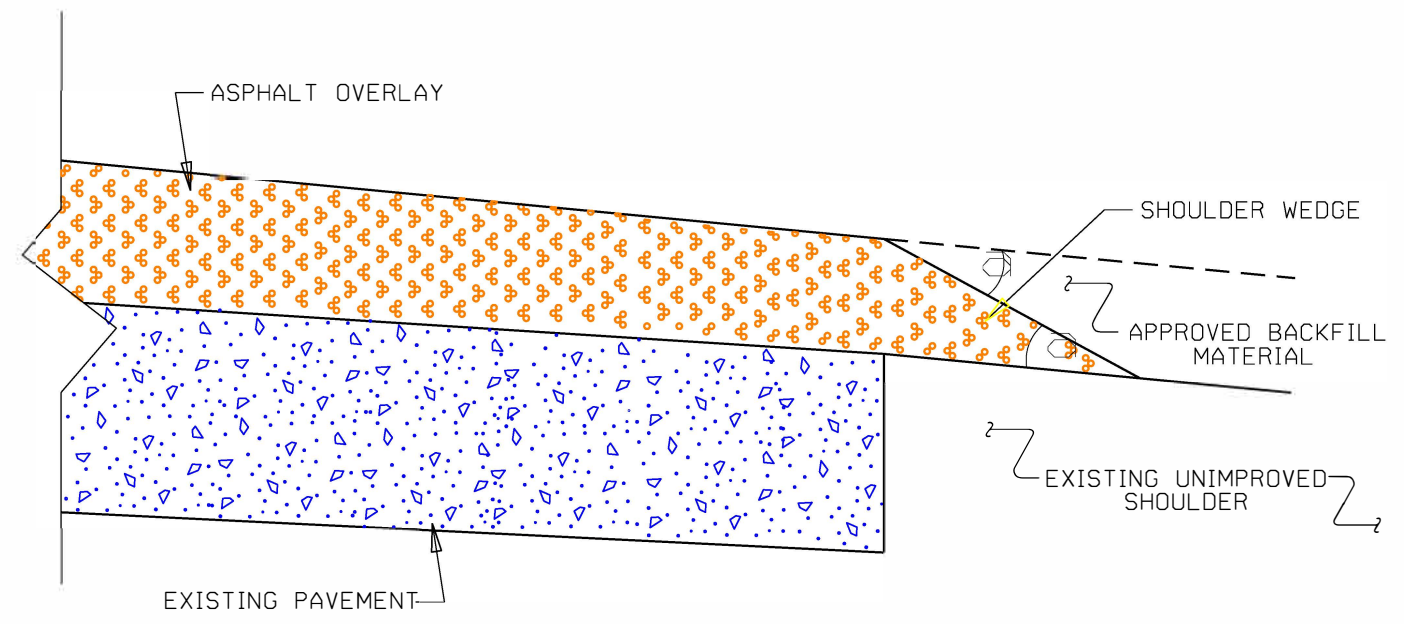


TYPICAL SECTION NO. 4
USE WITH MAPS 11 - 12

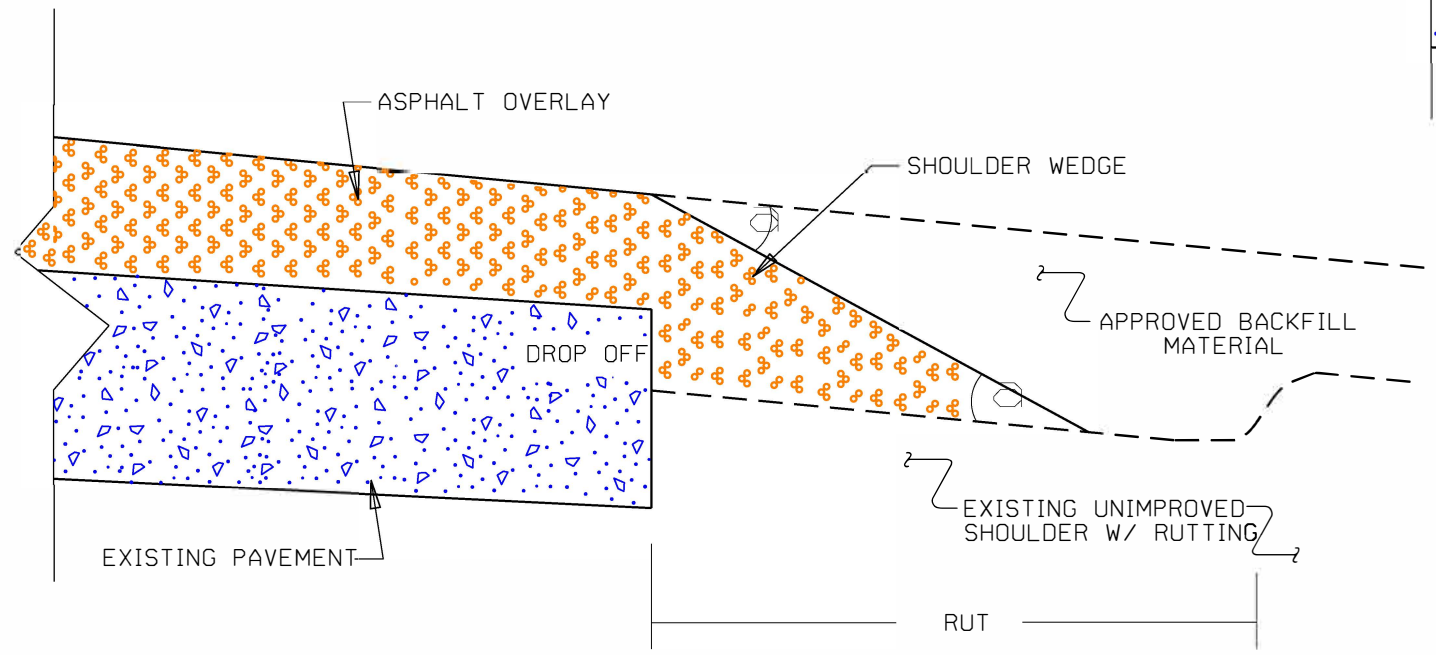
- NOTES:
 1) DETAIL DOES NOT APPLY TO OGAFS AND ULTRA-THIN BONDED WEARING COURSE.
 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



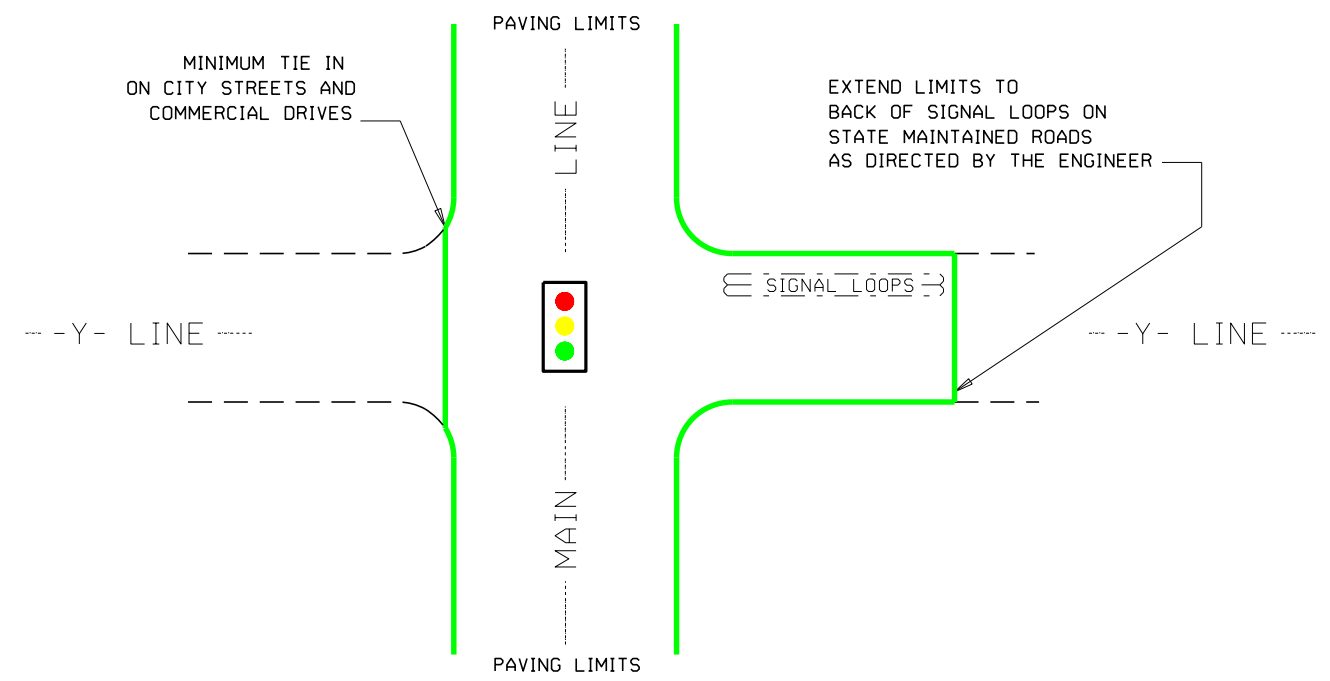
SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



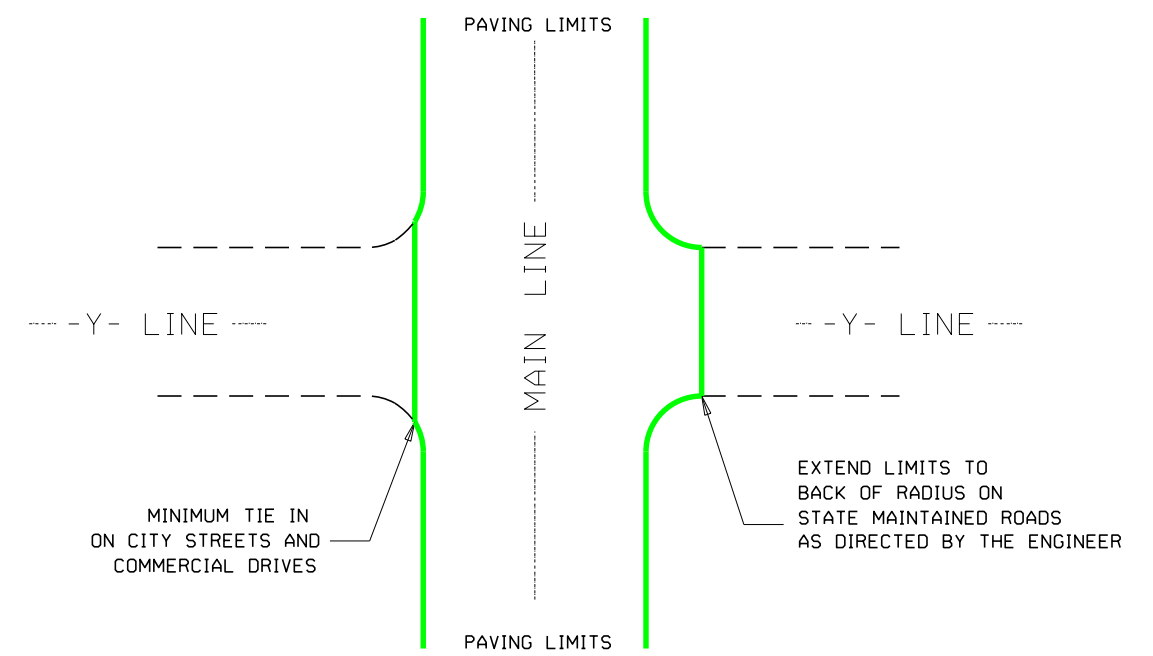
SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- 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: stur/details/stand/shoulderwedgedetail.dgn	



TYPICAL DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



TYPICAL DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

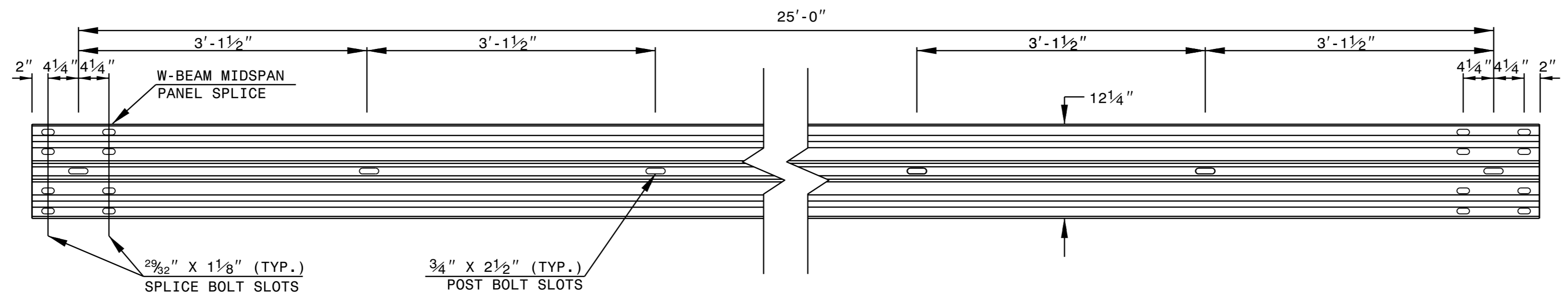
ADDITIONAL INTERSECTIONS (NON-TYPICAL)		
Extend paving limits to back of radius or loop on the following intersections:		
MAP#	STREET NAME	COMMENTS

PAVE ALL STATE OWNED INTERSECTIONS
TO BACK OF RADIUS FOR THIS PROJECT

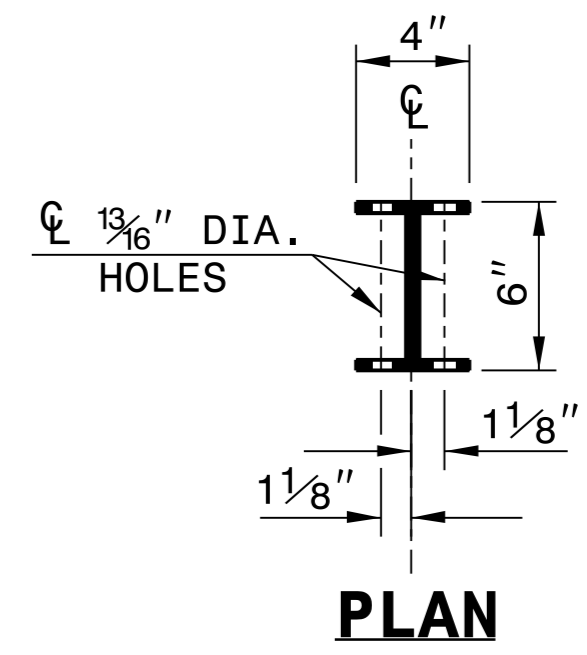
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

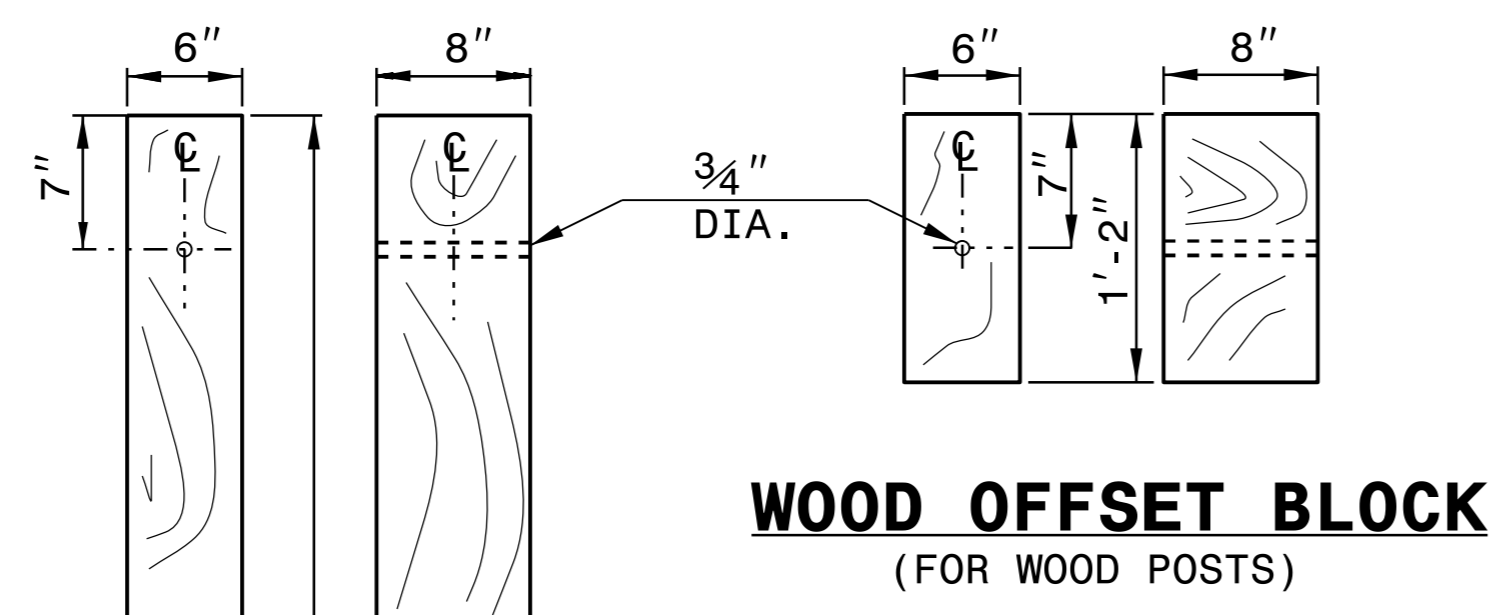
SHEET 6 OF 8
862D02



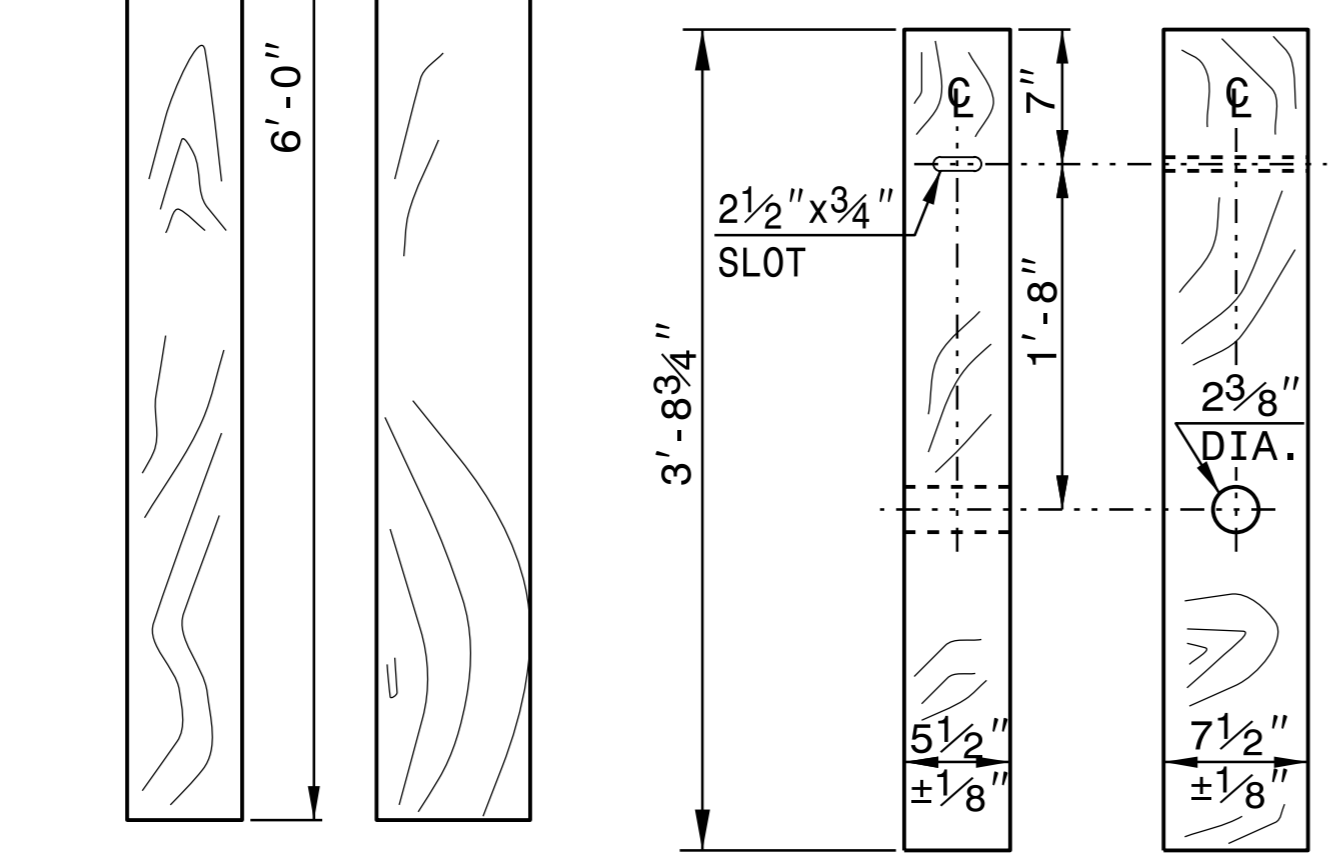
STANDARD W-BEAM GUARDRAIL



PLAN

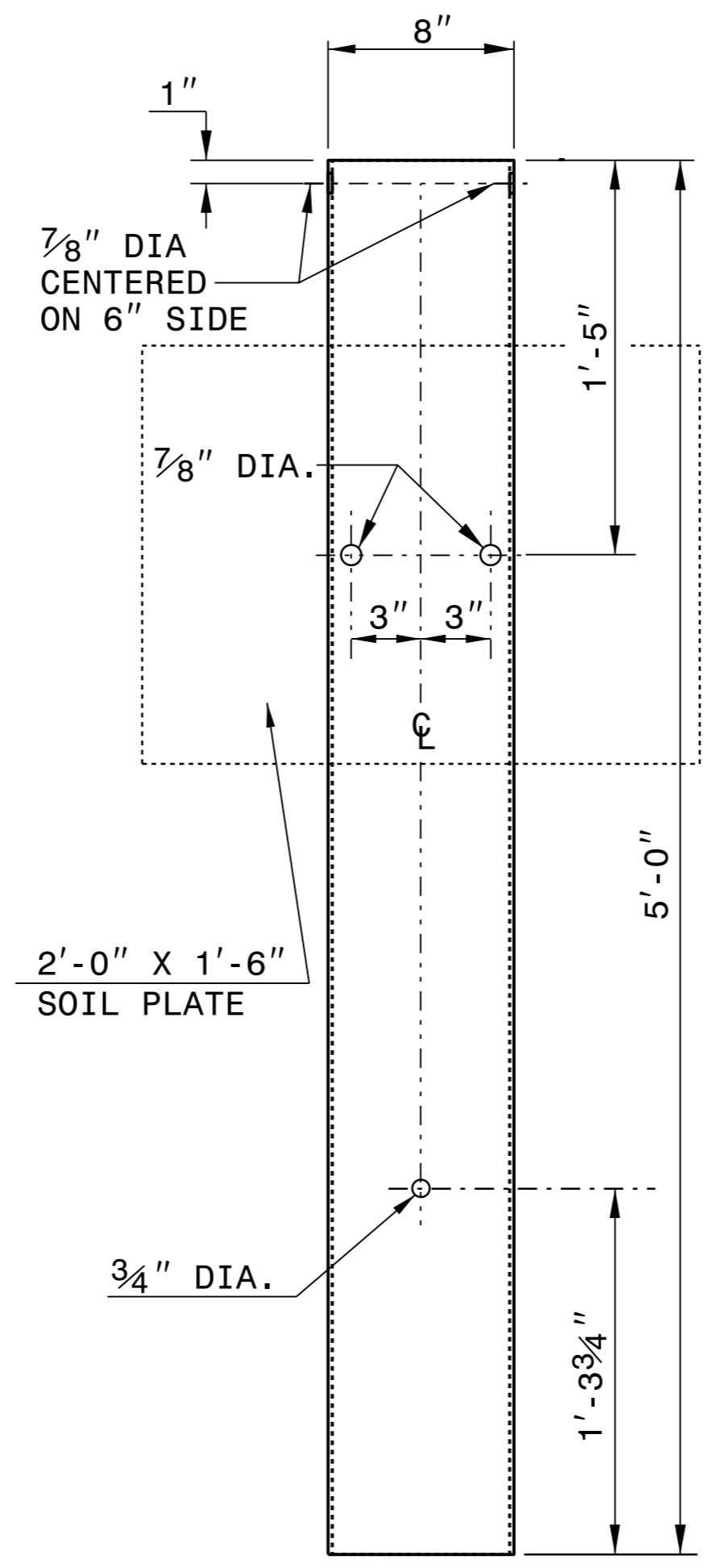


**WOOD OFFSET BLOCK
(FOR WOOD POSTS)**

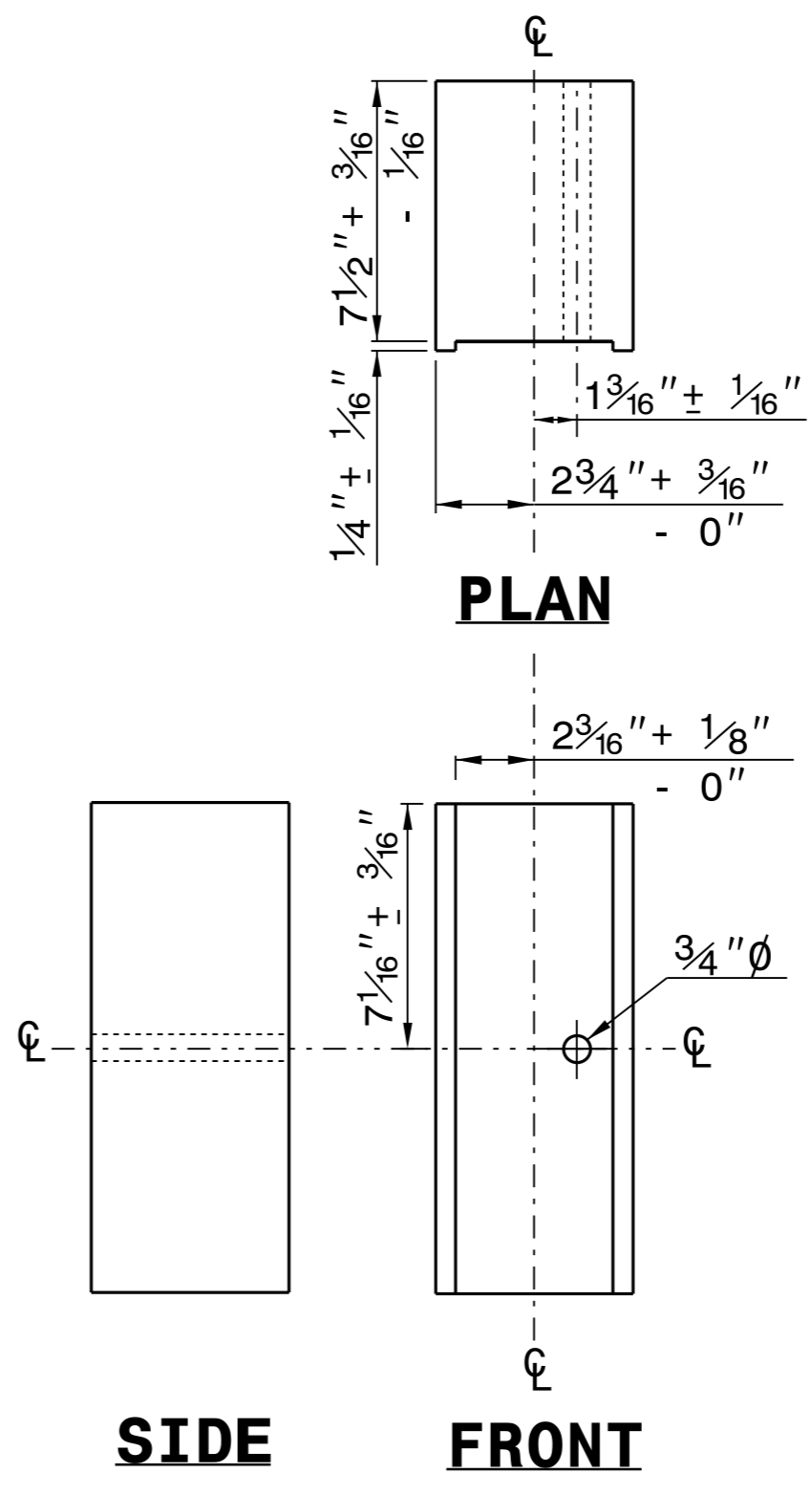


**STANDARD
LINE POST**

**SHORT WOOD
BREAKAWAY POST**



**STEEL TUBE
TS 6"x8"x0.1875"**

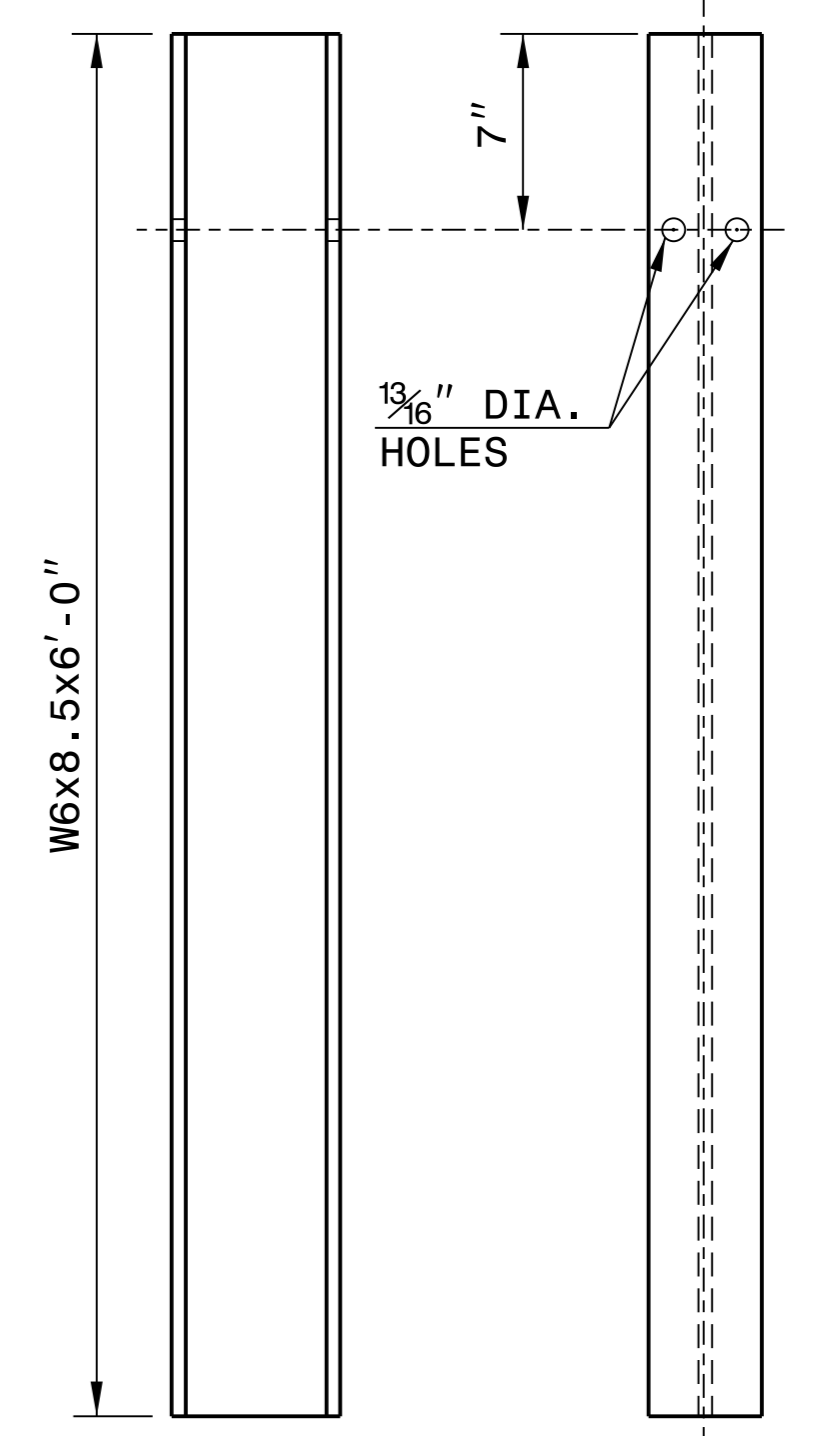


PLAN

SIDE

FRONT

**ROUTED
OFFSET BLOCK**



SIDE

FRONT

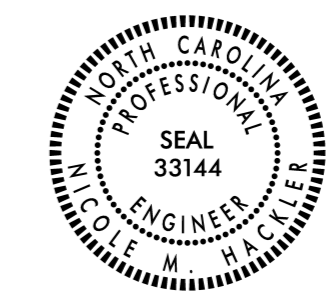
"W6" STEEL POST

SYSTEM PARTS

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

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 6 OF 8
862D02



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

SEE TITLE BLOCK

ORIGINAL BY: J.HOWERTON DATE: 3-7-2018
MODIFIED BY: DATE: _____
CHECKED BY: DATE: _____
FILE SPEC.: _____

I4-DEC-2017 10:36
 S:\Contracts\2018\Standard Drawings\Special Details\Drawings\Division 8\0862d0301.dgn
 Jhowerton AT CSU-21255

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

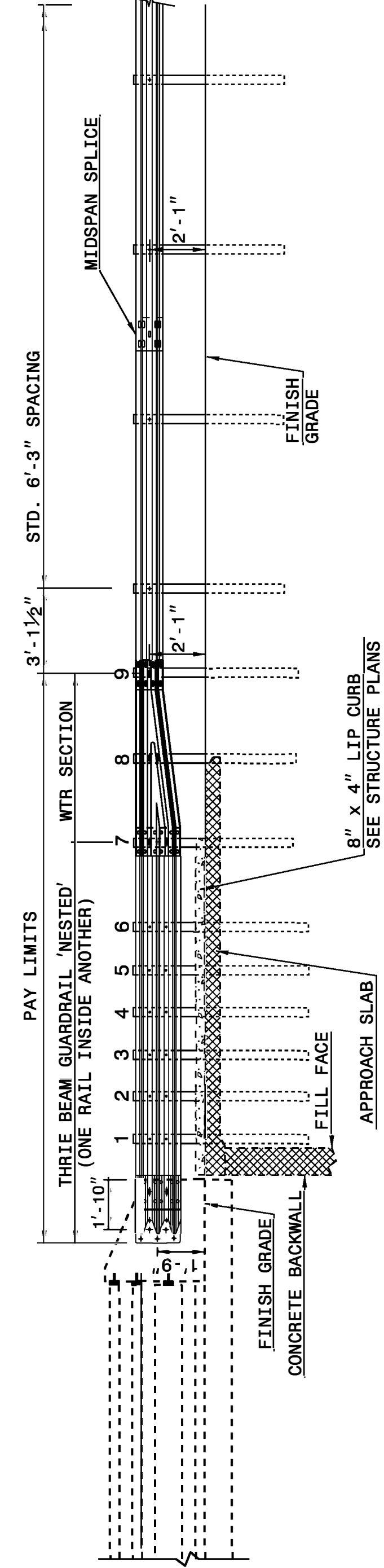
ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT, TYPE III
FOR ATTACHMENT TO RAIL ON BRIDGE

SHEET 1 OF 7
862D03

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

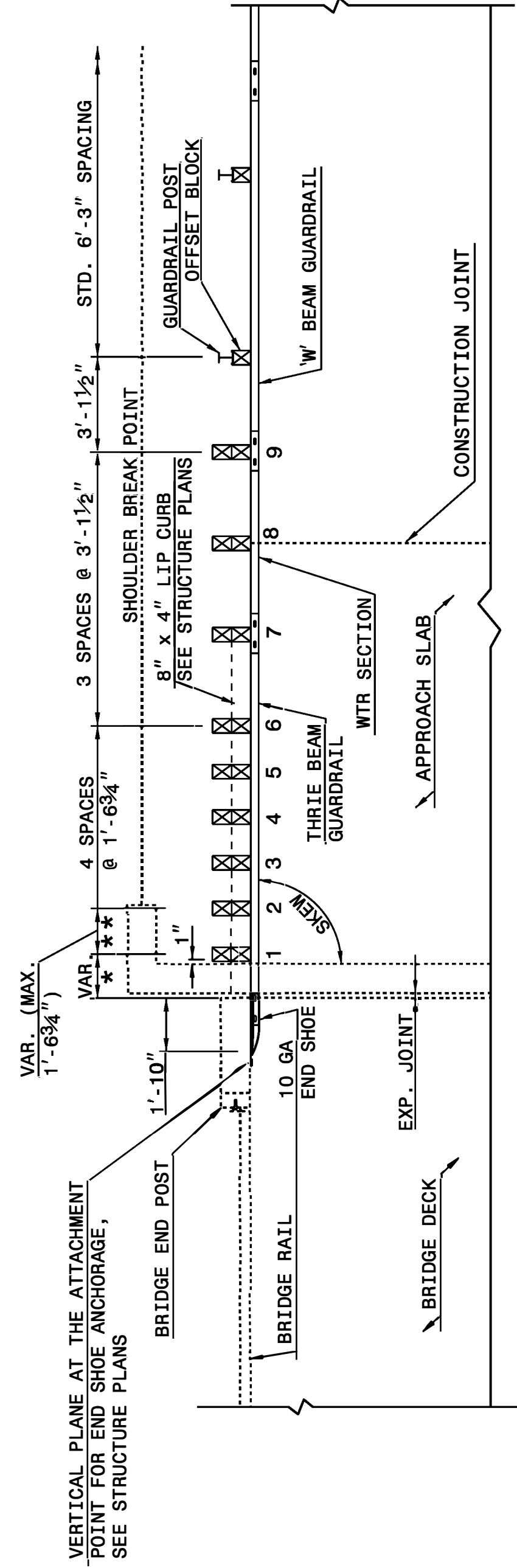
ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT, TYPE III
FOR ATTACHMENT TO RAIL ON BRIDGE

SHEET 1 OF 7
862D03



ELEVATION

NOTE:
 **POST NOT REQUIRED FOR SKEW ANGLES GREATER THAN 150° OR LESS THAN 30° UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 *THE DISTANCE FROM END OF BRIDGE RAIL TO CENTER LINE OF THE FIRST POST SHOULD BE 11 1/2" IF CONCRETE BACKWALL IS NOT PRESENT.
 -SHOULDER BERM GUTTER MUST BE INSTALLED TO THE LIMITS 8" x 4" LIP CURB IS SHOWN IF ANCHOR UNIT IS NOT ADJACENT TO AN APPROACH SLAB.
 -MEASURE GUARDRAIL HEIGHT FROM THE TOP OF ADJACENT SURFACE (SHOULDER, BERM, OR GUTTER).
 -LAP JOINTS IN THE DIRECTION OF TRAFFIC FLOW.
 -SEE SHEET 3 FOR POST SECTIONS 1 THRU 9.



PLAN VIEW

**GUARDRAIL ANCHOR UNIT, TYPE III
FOR ATTACHMENT TO RAIL ON BRIDGE**

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

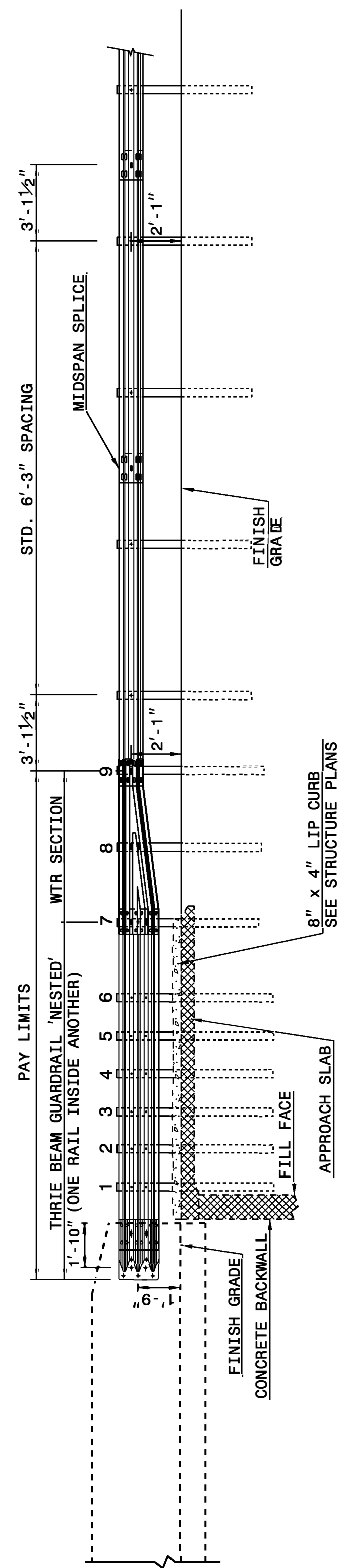
ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO
RAIL ON BRIDGE - SUB REGIONAL TIER

SHEET 2 OF 7
862D03

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

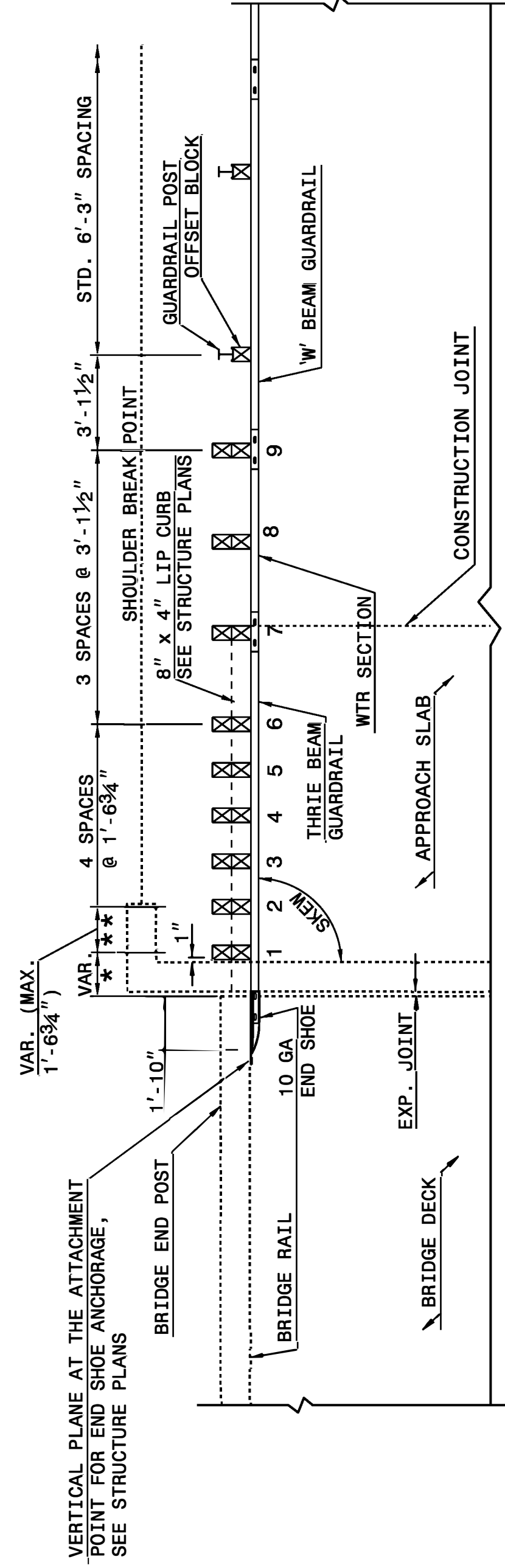
ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO
RAIL ON BRIDGE - SUB REGIONAL TIER

SHEET 2 OF 7
862D03



ELEVATION

NOTE:
 **POST NOT REQUIRED FOR SKEW ANGLES GREATER THAN 150° OR LESS THAN 30° UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 *THE DISTANCE FROM END OF BRIDGE RAIL TO CENTER LINE OF THE FIRST POST SHOULD BE 11 1/2" IF CONCRETE BACKWALL IS NOT PRESENT.
 -SHOULDER BERM GUTTER MUST BE INSTALLED TO THE LIMITS 8" x 4" LIP CURB IS SHOWN IF ANCHOR UNIT IS NOT ADJACENT TO AN APPROACH SLAB.
 -MEASURE GUARDRAIL HEIGHT FROM THE TOP OF ADJACENT SURFACE (SHOULDER, BERM, OR GUTTER).
 -LAP JOINTS IN THE DIRECTION OF TRAFFIC FLOW.
 -SEE SHEET 3 FOR POST SECTIONS 1 THRU 9.



PLAN VIEW

**GUARDRAIL ANCHOR UNIT, TYPE III FOR ATTACHMENT TO
RAIL ON BRIDGE - SUB REGIONAL TIER**



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

SEE TITLE BLOCK

ORIGINAL BY: J. HOWERTON DATE: 06-22-12
 MODIFIED BY: DATE:
 CHECKED BY: DATE:
 FILE SPEC.: DATE:

COMPUTED BY: DHS

DATE: 06/25/2024

CHECKED BY: DHS

DATE: 06/26/2024

PROJECT REFERENCE NO.

SHEET NO.

2025CPT.01.01.10661

12

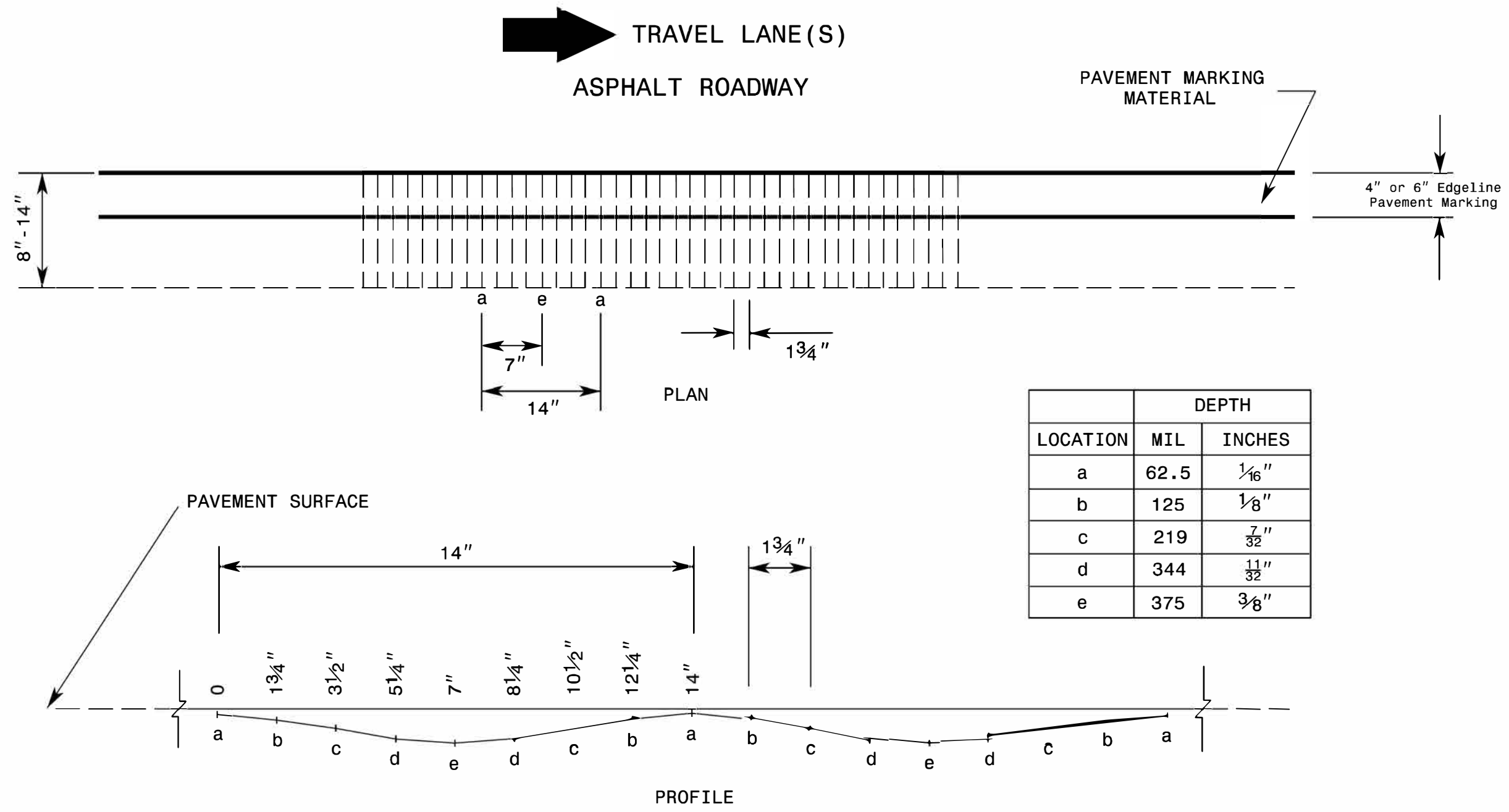
**DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA**

GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

MAP NO.	BEG. STA.	END STA.	LOCATION	EXIST. LENGTH	EXISTING ANCHORS				PROPOSED ANCHORS						IMPACT ATTENUATOR TYPE TL-3		STEEL BEAM GUARDRAIL (LF)	REMOVE EXISTING GUARDRAIL (LF)	REMOVE & RESET EXISTING GUARDRAIL (LF)	REMARKS	
					GREU, TL-2 / TL-3	GREU, CAT-1 / AT-1	OTHER TYPE ANCHOR UNIT	NO END UNIT	GREU, TL-2	GREU, TL-3	OTHER TYPE ANCHOR UNIT	GREU, TYPE CAT-1	GRAU, TYPE III	GRAU, TYPE B-77	GRAU, TYPE B-83	G					NG
1	0+00.00	1+38.00	RT	138.0'				2		2							38	138		NORTHBOUND LANE NEAR BERTIE CO. LINE	
1	0+35.00	1+60.00	LT	125.0'				2		2							25	125		SOUTHBOUND LANE NEAR BERTIE CO. LINE	
2	56+50.00	57+30.00	RT	80.0'	1		1			USE EXIST.										EXISTING GUARDRAIL TO REMAIN EXISTING GUARDRAIL IS COMPLIANT	
2	56+65.00	57+30.00	LT	65.0'	1		1			USE EXIST.										EXISTING GUARDRAIL TO REMAIN EXISTING GUARDRAIL IS COMPLIANT	
2	58+30.00	59+05.00	RT	75.0'	1		1			USE EXIST.										EXISTING GUARDRAIL TO REMAIN EXISTING GUARDRAIL IS COMPLIANT	
2	58+30.00	59+05.00	LT	75.0'	1		1			USE EXIST.										EXISTING GUARDRAIL TO REMAIN EXISTING GUARDRAIL IS COMPLIANT	
				SUBTOTAL				558													ANCHOR DEDUCTIONS
				LESS ANCHOR DEDUCTIONS																	GREU, TL-3 50.00'
	GREU, TL-3	4 @ 50.00'	=	200.00'																	GRAU, TYPE III 18.75'
	MAP 2 GR			295.00'																	GREU, TYPE B-77 22.875'
																					GREU, AT-1 6.25'
																					GREU, CAT-1 6.25'
TOTALS:				63.00'	1		4	4		4							63'	263'			

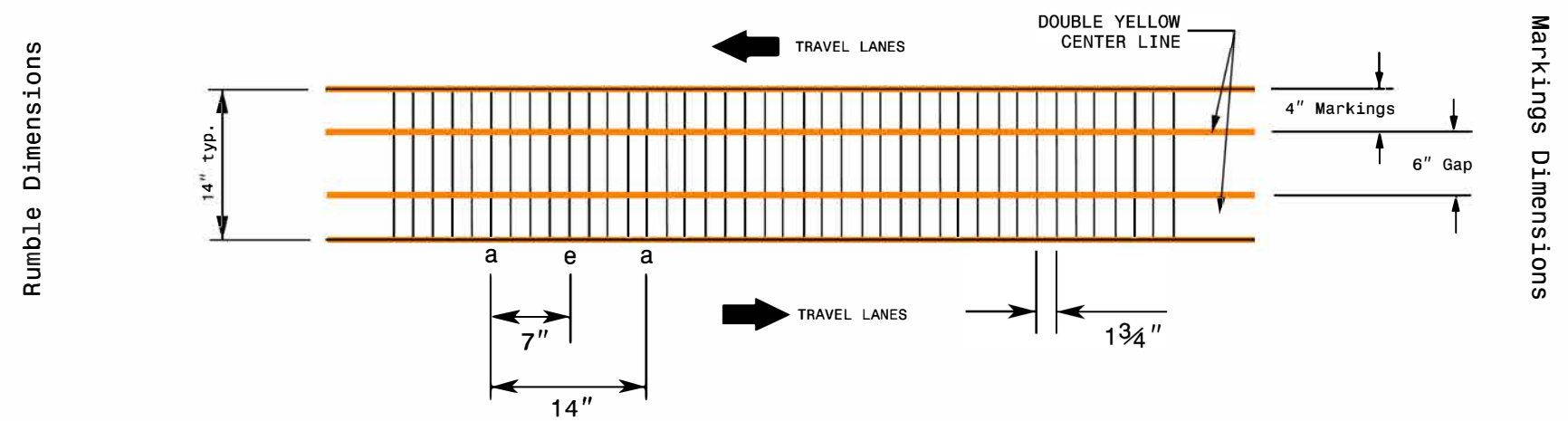
Sinusoidal Edgeline Rumble Stripe



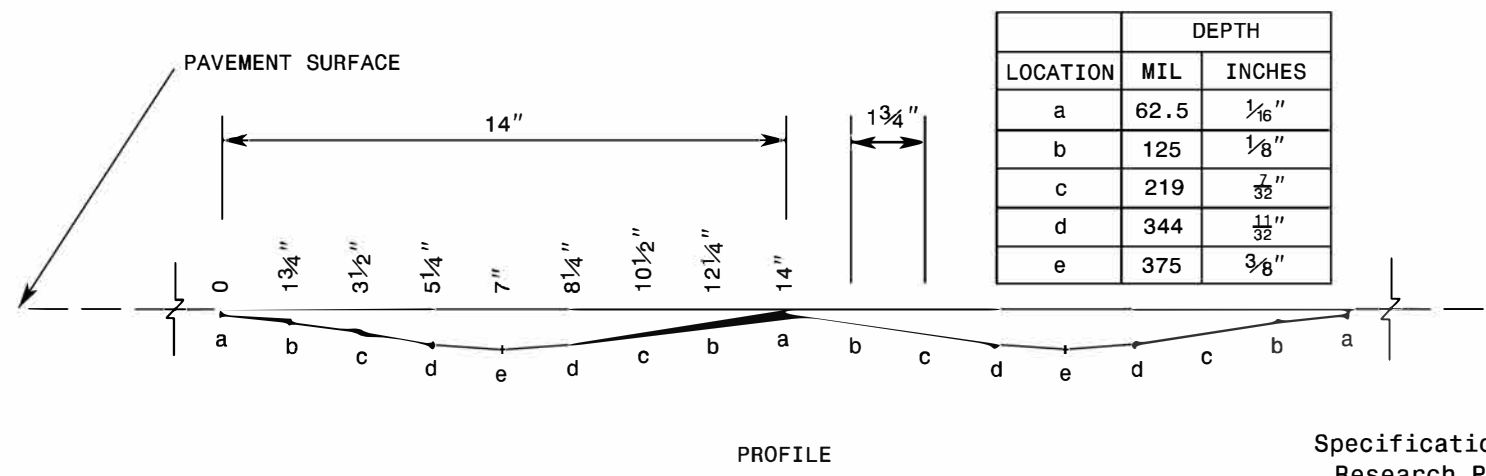
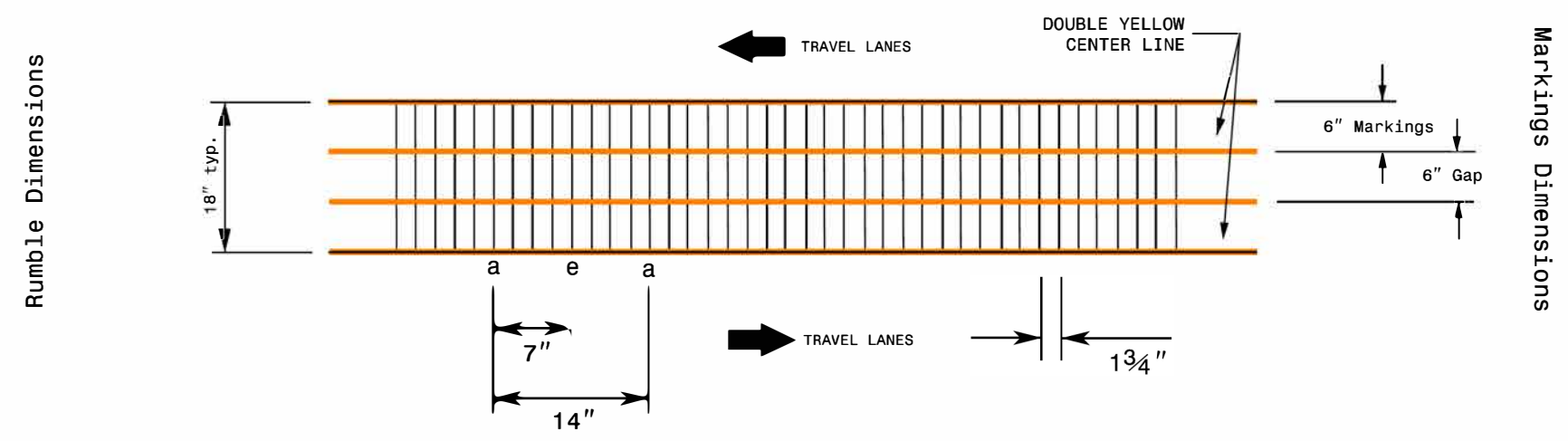
Specifications in table taken from MNDOT
Research Project Final Report 2016-23:
Sinusoidal Rumble Strip Design Optimization Study
BY: Terhaar et. al, June 2016

Sinusoidal Centerline Rumble Stripe

If 4" Markings will be used:

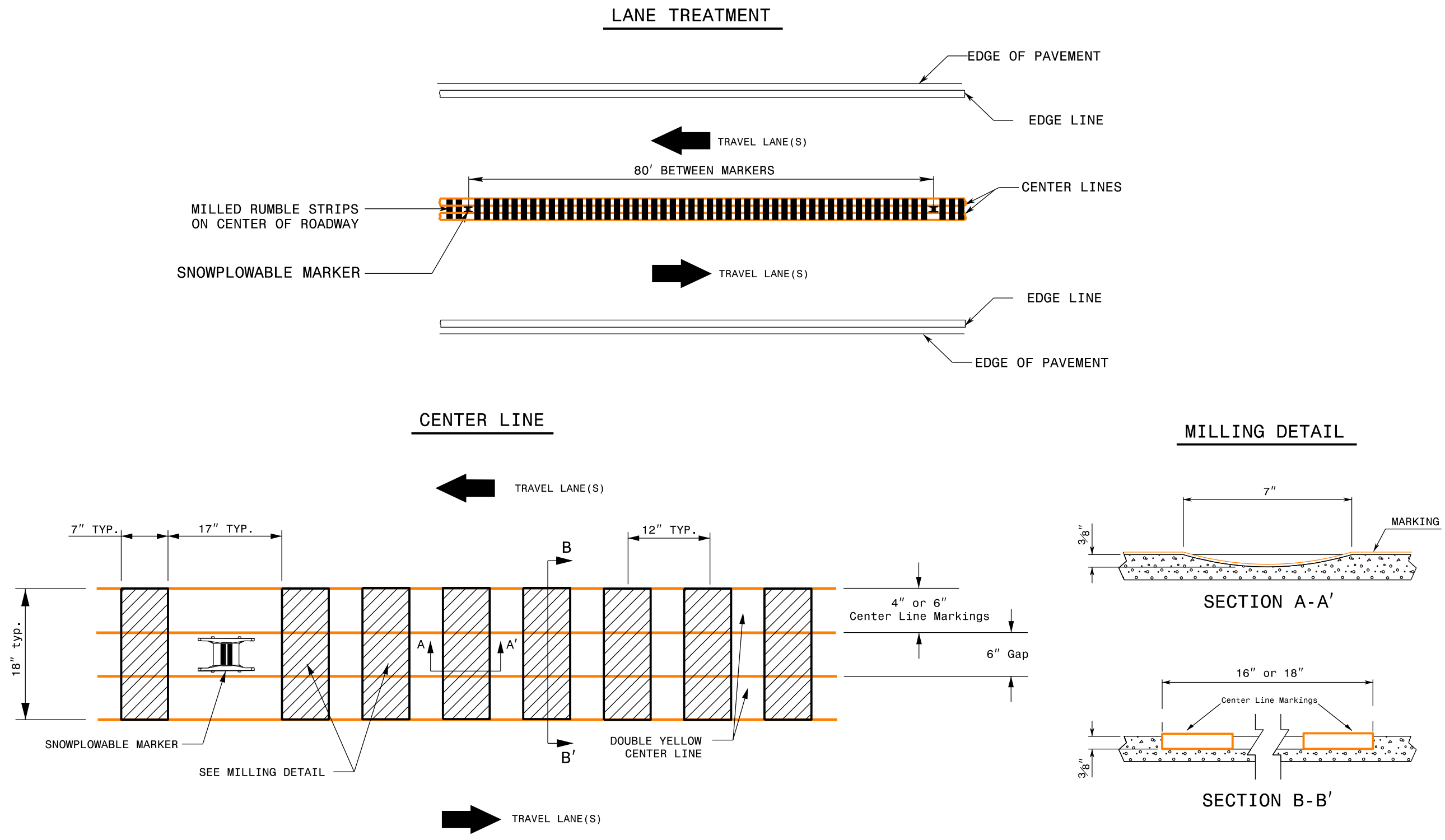


If 6" Markings will be used:



Specifications in table taken from MNDOT Research Project Final Report 2016-23:
Sinusoidal Rumble Strip Design Optimization Study
BY: Terhaar et. al, June 2016

See Table 2 within Rumble Strip Policy for Design Guidance



REFERENCE DRAWING ID: Trad.CL with Snowplowable Markers

NOTES:

- 1) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 2) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.
- 3) INSTALL SNOWPLOWABLE MARKERS AT APPROXIMATELY 80' INCREMENTS. DO NOT MILL RUMBLE STRIPS IN SECTION WHERE SNOWPLOWABLE MARKERS ARE INSTALLED.

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.01.01.10661, ETC.	16	

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	MATERIAL TRANSFER VEHICLE REQUIRED	0000100000-N	0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1705000000-E			
															MOBILIZATION	BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	MILLING ASPHALT PAVEMENT (1 1/2")	INCIDENTAL MILLING	ASPHALT CONC SURFACE COURSE, S9.5B	ASPHALT CONC SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (FULL DEPTH)			
															LS	CY	TONS	SMI	SY	SY	TONS	TONS	TONS	TON			
2025CPT.01.01.10661	Northampton	1	NC-308 E / NC 308 HWY	FROM BERTIE CO TO US 258	1	2	2WU	NO	NO	3.68	24	0.00	3.68	NO	1		53		56,980	732		4,877	288				
TOTAL FOR PROJ NO. 2025CPT.01.01.10661																	53		56,980	732		4,877	288				
2025CPT.01.01.20661	Northampton	2	SR-1108 / BRYANTOWN RD/CHAPEL HILL CHURCH RD	FROM SR 1123 (REHOBOTH CHURCH RD.) TO US 258	2	2	2WU	NO	NO	8.40	20	3.81	12.21	NO	*	252	122	16.80		837	9,001		586	25			
2025CPT.01.01.20661	Northampton	3	SR-1115 / DICK HARMONY RD	FROM SR 1109 (BRYANTOWN RD.) TO NC 305	2	2	2WU	NO	NO	1.41	19	0.00	1.41	NO	*	42	18	2.82			1,436		93				
2025CPT.01.01.20661	Northampton	4	SR-1116 / SARAH VAUGHAN RD	FROM SR 1115 (DICK HARMONY RD.) TO DEAD END	2	2	2WU	NO	NO	0.30	18	0.00	0.30	NO	*	9	6	0.60			289		19				
2025CPT.01.01.20661	Northampton	5	SR-1125 / GARIBALDI RD	FROM 0.60 MILES WEST OF SR 1108 TO SR 1108 (BRYANTOWN ROAD)	2	2	2WU	NO	NO	0.60	18	0.00	0.60	NO	*	18	5	1.20			579		38	9			
2025CPT.01.01.20661	Northampton	6	SR-1365 / PHILLIPS HILL RD	FROM NC 35 TO US 158	2	2	2WU	NO	NO	1.13	22	0.00	1.13	NO	*	34	31	2.26	164		1,331		87	6			
2025CPT.01.01.20661	Northampton	7	SR-1536 / ASHLEYS GROVE RD	FROM SR 1537 (PERDUE HATCHERY RD.) TO US 158	2	2	2WU	NO	NO	1.80	20	5.30	7.10	NO	*	54	23	3.60			1,945		127	3			
TOTAL FOR PROJ NO. 2025CPT.01.01.20661																	205	27.28		1,001	14,581		950	43			
2025CPT.01.01.20662	Northampton	8	SR-1133 / JACOB ST	FROM DEAD END TO NC 305	3	2	2WU	NO	NO	0.19	18	0.00	0.19	NO	*						153		10				
2025CPT.01.01.20662	Northampton	9	SR-1134 / ISSAC ST	FROM DEAD END TO NC 305	3	2	2WU	NO	NO	0.14	18	0.00	0.14	NO	*						112		7				
2025CPT.01.01.20662	Northampton	10	SR-1135 / ABRAHAM ST	FROM DEAD END TO NC 305	3	2	2WU	NO	NO	0.15	18	0.00	0.15	NO	*						120		8				
2025CPT.01.01.20662	Northampton	11	SR-1381 / MOORE ST	FROM SR 1382 (MOORE SUBDIVISION RD.) TO NC 305	4	2	2WU	NO	NO	0.06	18	0.00	0.06	NO	*						48		3				
2025CPT.01.01.20662	Northampton	12	SR-1382 / MOORES SUBDIVISION RD	FROM DEAD END TO SR 1381 (MOORE ST.)	4	2	2WU	NO	NO	0.10	18	0.00	0.10	NO	*						80		5				
TOTAL FOR PROJ NO. 2025CPT.01.01.20662																	0.64							513		33	
GRAND TOTAL															1	409	258	27.28	56,980	1,733	15,094	4,877	1,271	43			

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	MATERIAL TRANSFER VEHICLE REQUIRED	1881000000-E	2830000000-N	3287000000-N	3030000000-E	3360000000-E	6000000000-E	6071012000-E	6084000000-E	6117000000-N					
															GENERIC PAVING ITEM (SINUSOIDAL MILLED RUMBLE STRIP 18")	GENERIC PAVING ITEM (SINUSOIDAL MILLED RUMBLE STRIP 8")	ADJUSTMENT OF MANHOLES	GUARDRAIL END UNITS, TYPE TL-3	STEEL BEAM GUARDRAIL	REMOVE EXISTING GUARDRAIL	TEMPORARY SILT FENCE	COIR FIBER WATTLE	SEEDING & MULCHING	RESPONSE FOR EROSION CONTROL				
															LF	LF	EA	EACH	LF	LF	LF	LF	ACR	EA				
2025CPT.01.01.10661	Northampton	1	NC-308 E / NC 308 HWY	FROM BERTIE CO TO US 258	1	2	2WU	NO	NO	3.68	24	0.00	3.68	NO	19,425	38,850		4	63	263								
TOTAL FOR PROJ NO. 2025CPT.01.01.10661															19,425	38,850		4	63	263								
2025CPT.01.01.20661	Northampton	2	SR-1108 / BRYANTOWN RD/CHAPEL HILL CHURCH RD	FROM SR 1123 (REHOBOTH CHURCH RD.) TO US 258	2	2	2WU	NO	NO	8.40	20	3.81	12.21	NO							400	200	8.0	1				
2025CPT.01.01.20661	Northampton	3	SR-1115 / DICK HARMONY RD	FROM SR 1109 (BRYANTOWN RD.) TO NC 305	2	2	2WU	NO	NO	1.41	19	0.00	1.41	NO							50	30	1.3					
2025CPT.01.01.20661	Northampton	4	SR-1116 / SARAH VAUGHAN RD	FROM SR 1115 (DICK HARMONY RD.) TO DEAD END	2	2	2WU	NO	NO	0.30	18	0.00	0.30	NO									0.3					
2025CPT.01.01.20661	Northampton	5	SR-1125 / GARIBALDI RD	FROM 0.60 MILES WEST OF SR 1108 TO SR 1108 (BRYANTOWN ROAD)	2	2	2WU	NO	NO	0.60	18	0.00	0.60	NO									0.6					
2025CPT.01.01.20661	Northampton	6	SR-1365 / PHILLIPS HILL RD	FROM NC 35 TO US 158	2	2	2WU	NO	NO	1.13	22	0.00	1.13	NO							50	30	1.1					
2025CPT.01.01.20661	Northampton	7	SR-1536 / ASHLEYS GROVE RD	FROM SR 1537 (PERDUE HATCHERY RD.) TO US 158	2	2	2WU	NO	NO	1.80	20	5.30	7.10	NO							100	50	1.7					
TOTAL FOR PROJ NO. 2025CPT.01.01.20661															13.64				600	310	13.0	1						
2025CPT.01.01.20662	Northampton	8	SR-1133 / JACOB ST	FROM DEAD END TO NC 305	3	2	2WU	NO	NO	0.19	18	0.00	0.19	NO														
2025CPT.01.01.20662	Northampton	9	SR-1134 / ISSAC ST	FROM DEAD END TO NC 305	3	2	2WU	NO	NO	0.14	18	0.00	0.14	NO														
2025CPT.01.01.20662	Northampton	10	SR-1135 / ABRAHAM ST	FROM DEAD END TO NC 305	3	2	2WU	NO	NO	0.15	18	0.00	0.15	NO														
2025CPT.01.01.20662	Northampton	11	SR-1381 / MOORE ST	FROM SR 1382 (MOORE SUBDIVISION RD.) TO NC 305	4	2	2WU	NO	NO	0.06	18	0.00	0.06	NO														
2025CPT.01.01.20662	Northampton	12	SR-1382 / MOORES SUBDIVISION RD	FROM DEAD END TO SR 1381 (MOORE ST.)	4	2	2WU	NO	NO	0.10	18	0.00	0.10	NO														
TOTAL FOR PROJ NO. 2025CPT.01.01.20662															0.64				4									
GRAND TOTAL															17.96				19,425	38,850	4	4	63	263	600	310	13.0	1

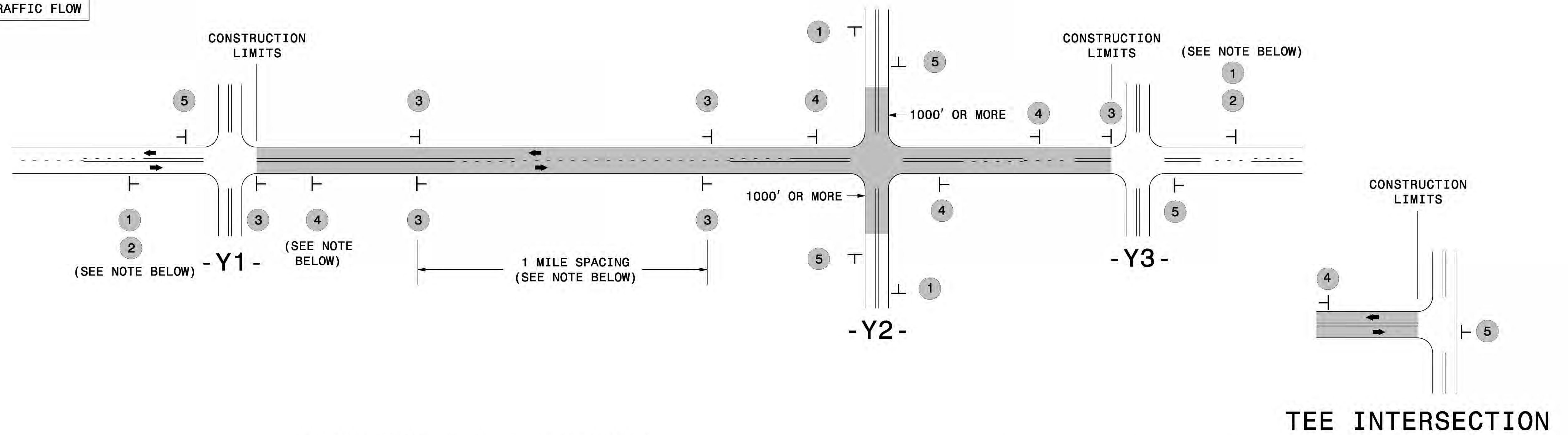
PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.01.01.10661, ETC.	17	

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	4810000000-E		4815000000-E		4890000000-E			4905100000-N																									
												WORK ZONE ADVANCE / GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL (SP)	PAINT PAVEMENT MARKING LINES (4") WHITE	PAINT PAVEMENT MARKING LINES (4") YELLOW	PAINT PAVEMENT MARKING LINES (6") WHITE	PAINT PAVEMENT MARKING LINES (6") YELLOW	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, (6", 55 MILS) YELLOW	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, (6", 55 MILS) WHITE	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, (4", 55 MILS) WHITE	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINES, (4", 55 MILS) YELLOW	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER																								
												SF	LS	LF	LF	LF	LF	LF	LF	LF	EA																									
2025CPT.01.01.10661	Northampton	1	NC-308 E / NC 308 HWY	FROM BERTIE CO TO US 258	1	2	2WU	3.68	24	0.00	3.68	128	1			38,850	24,281	24,281	38,850		243																									
TOTAL FOR PROJ NO. 2025CPT.01.01.10661												128	*			38,850	24,281	24,281	38,850		243																									
												63,131		63,131																																
2025CPT.01.01.20661	Northampton	2	SR-1108 / BRYANTOWN RD/CHAPEL HILL CHURCH RD	FROM SR 1123 (REHOBOTH CHURCH RD.) TO US 258	2	2	2WU	8.40	20	3.81	12.21	176	*	88,715	55,447				88,715	55,447																										
2025CPT.01.01.20661	Northampton	3	SR-1115 / DICK HARMONY RD	FROM SR 1109 (BRYANTOWN RD.) TO NC 305	2	2	2WU	1.41	19	0.00	1.41	144	*	14,890	9,306				14,890	9,306																										
2025CPT.01.01.20661	Northampton	4	SR-1116 / SARAH VAUGHAN RD	FROM SR 1115 (DICK HARMONY RD.) TO DEAD END	2	2	2WU	0.30	18	0.00	0.30	48	*	3,168	1,980				3,168	1,980																										
2025CPT.01.01.20661	Northampton	5	SR-1125 / GARIBALDI RD	FROM 0.60 MILES WEST OF SR 1108 TO SR 1108 (BRYANTOWN ROAD)	2	2	2WU	0.60	18	0.00	0.60	96	*	6,336	3,960				6,336	3,960																										
2025CPT.01.01.20661	Northampton	6	SR-1365 / PHILLIPS HILL RD	FROM NC 35 TO US 158	2	2	2WU	1.13	22	0.00	1.13	192	*	11,933	7,458				11,933	7,458																										
2025CPT.01.01.20661	Northampton	7	SR-1536 / ASHLEYS GROVE RD	FROM SR 1537 (PERDUE HATCHERY RD.) TO US 158	2	2	2WU	1.80	20	5.30	7.10	240	*	19,008	11,880				19,008	11,880																										
TOTAL FOR PROJ NO. 2025CPT.01.01.20661												896	*	144,050	90,031			144,050	90,031																											
												234,081		234,081																																
2025CPT.01.01.20662	Northampton	8	SR-1133 / JACOB ST	FROM DEAD END TO NC 305	3	2	2WU	0.19	18	0.00	0.19		*																																	
2025CPT.01.01.20662	Northampton	9	SR-1134 / ISSAC ST	FROM DEAD END TO NC 305	3	2	2WU	0.14	18	0.00	0.14		*																																	
2025CPT.01.01.20662	Northampton	10	SR-1135 / ABRAHAM ST	FROM DEAD END TO NC 305	3	2	2WU	0.15	18	0.00	0.15		*																																	
2025CPT.01.01.20662	Northampton	11	SR-1381 / MOORE ST	FROM SR 1382 (MOORE SUBDIVISION RD.) TO NC 305	4	2	2WU	0.06	18	0.00	0.06		*																																	
2025CPT.01.01.20662	Northampton	12	SR-1382 / MOORES SUBDIVISION RD	FROM DEAD END TO SR 1381 (MOORE ST.)	4	2	2WU	0.10	18	0.00	0.10		*																																	
TOTAL FOR PROJ NO. 2025CPT.01.01.20662												0.64	*																																	
												17.96		1,024			1			144,050			90,031			38,850			24,281			24,281			38,850			144,050			90,031			243		
GRAND TOTAL												17.96		1,024			1			144,050			90,031			38,850			24,281			24,281			38,850			144,050			90,031			243		
												234,081		63,131			63,131			63,131			234,081																							

SIGNING FOR RESURFACING PROJECTS

LEGEND
 ┆ STATIONARY SIGN
 ← DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

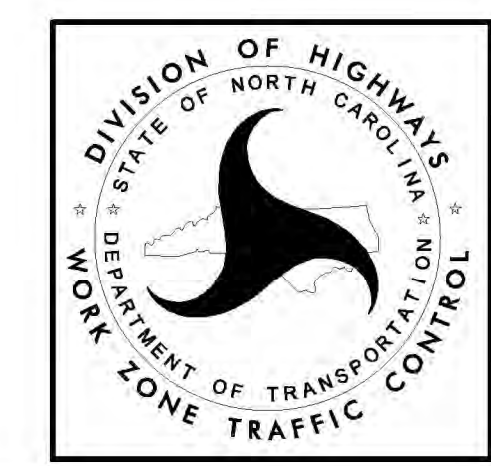
-Y- LINE SIGNING

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"> LESS THAN 1000' OF RESURFACING ALONG -Y- LINE SUBDIVISION ROADS 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 5:11:10 PM \\NCDOT\GIS\Resurfacing\2L2W & AST\Resurfacing_Details\Resurfacing_AdvWarn_2Ln.dgn User:keads