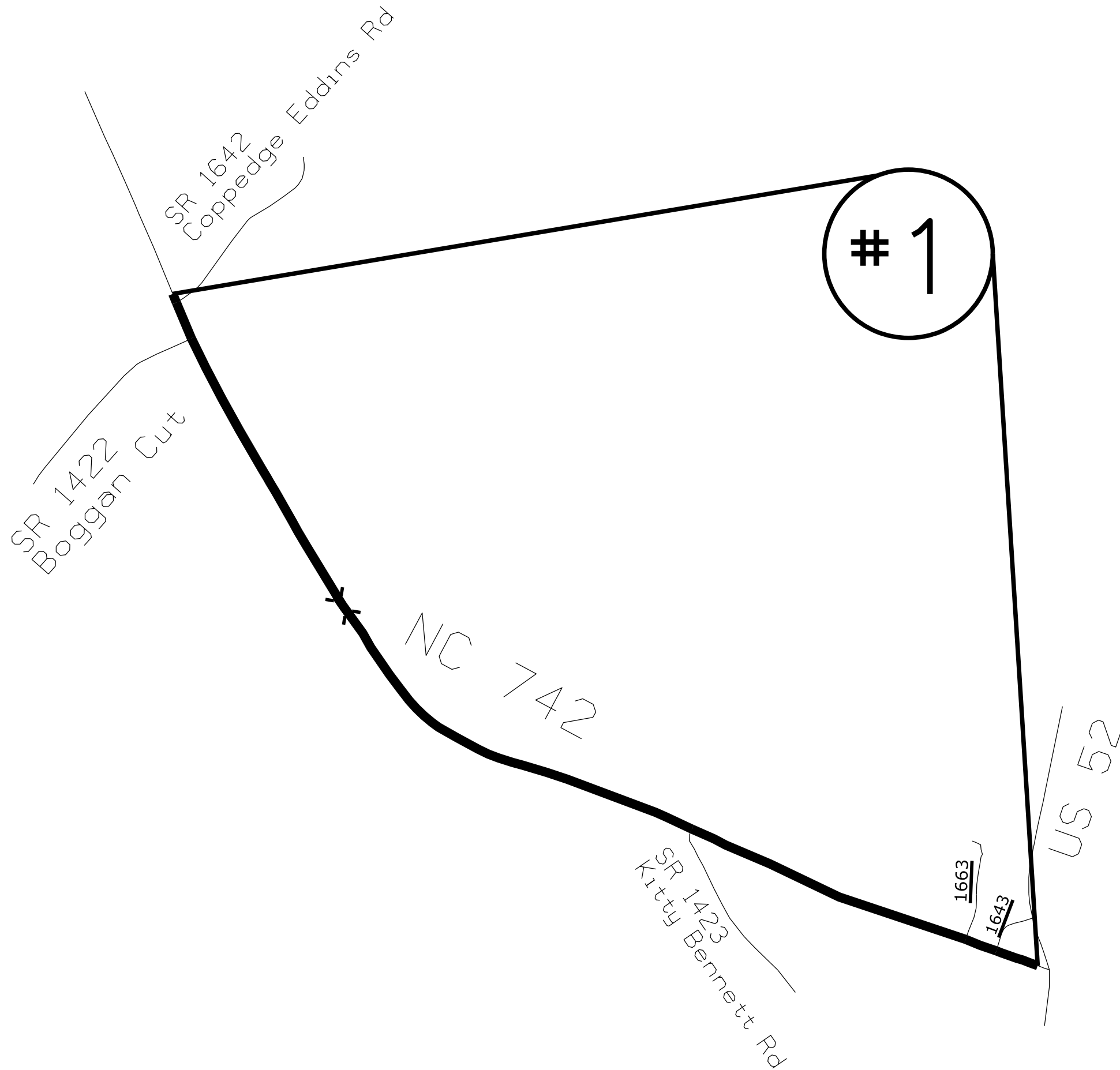


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	1	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
ANSON COUNTY
 NORTH CAROLINA
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #1 NC 742
 2.88 MILES
 FROM US 52
 TO SR 1642 COPPEDGE EDDINS RD

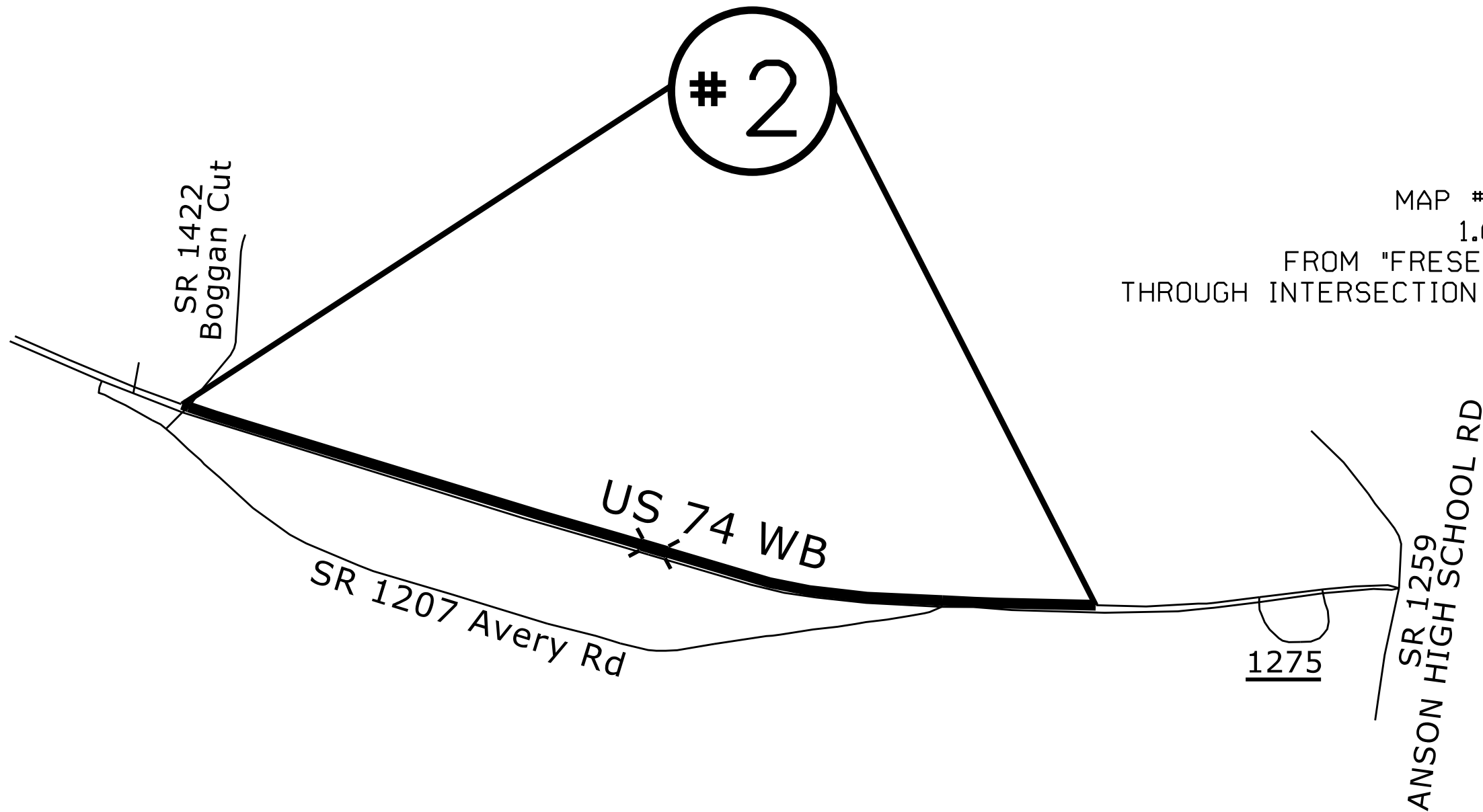
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	2	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
ANSON COUNTY
 NORTH CAROLINA

PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #2 US 74 WB
 1.61 MILES
 FROM "FRESENIUS KIDNEY CARE
 THROUGH INTERSECTION WITH SR 1422 BOGGAN CUT RD



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	3	
F.A. PROJECT NO.			



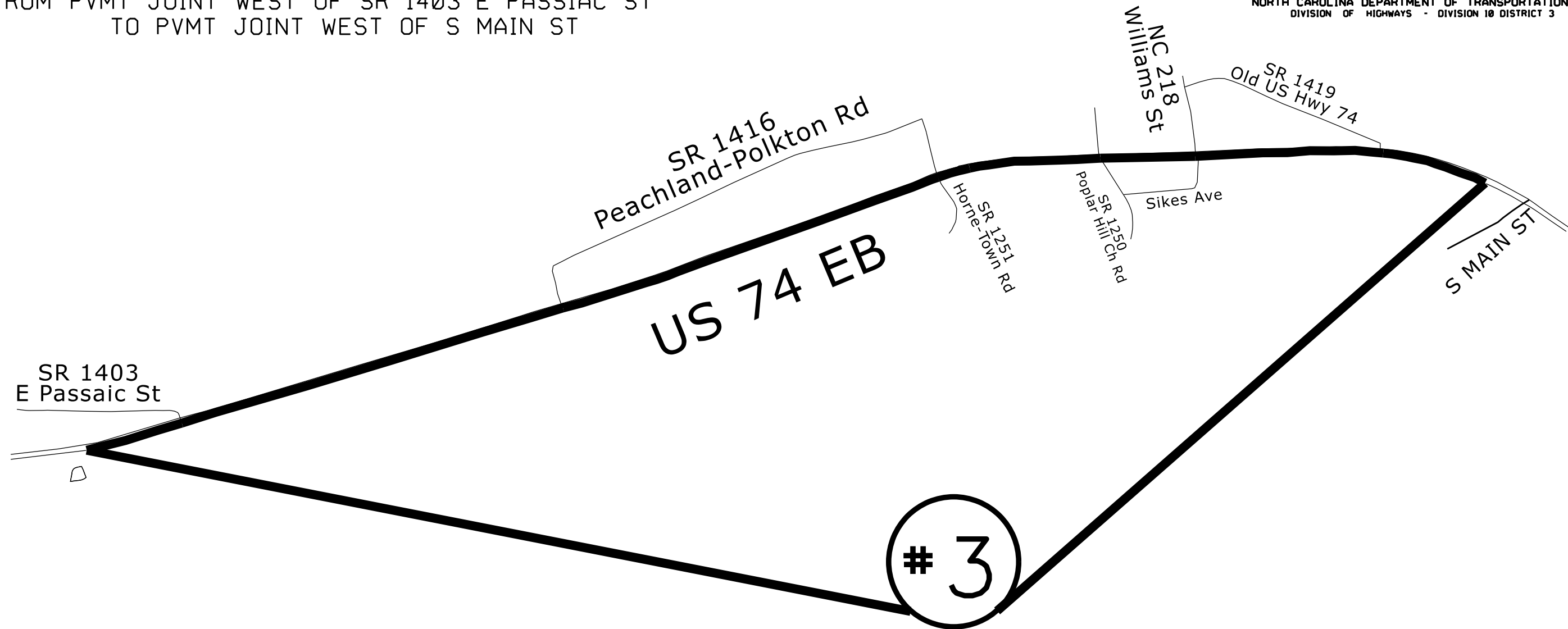
ENLARGED MUNICIPAL AND SUBURBAN AREAS

ANSON COUNTY

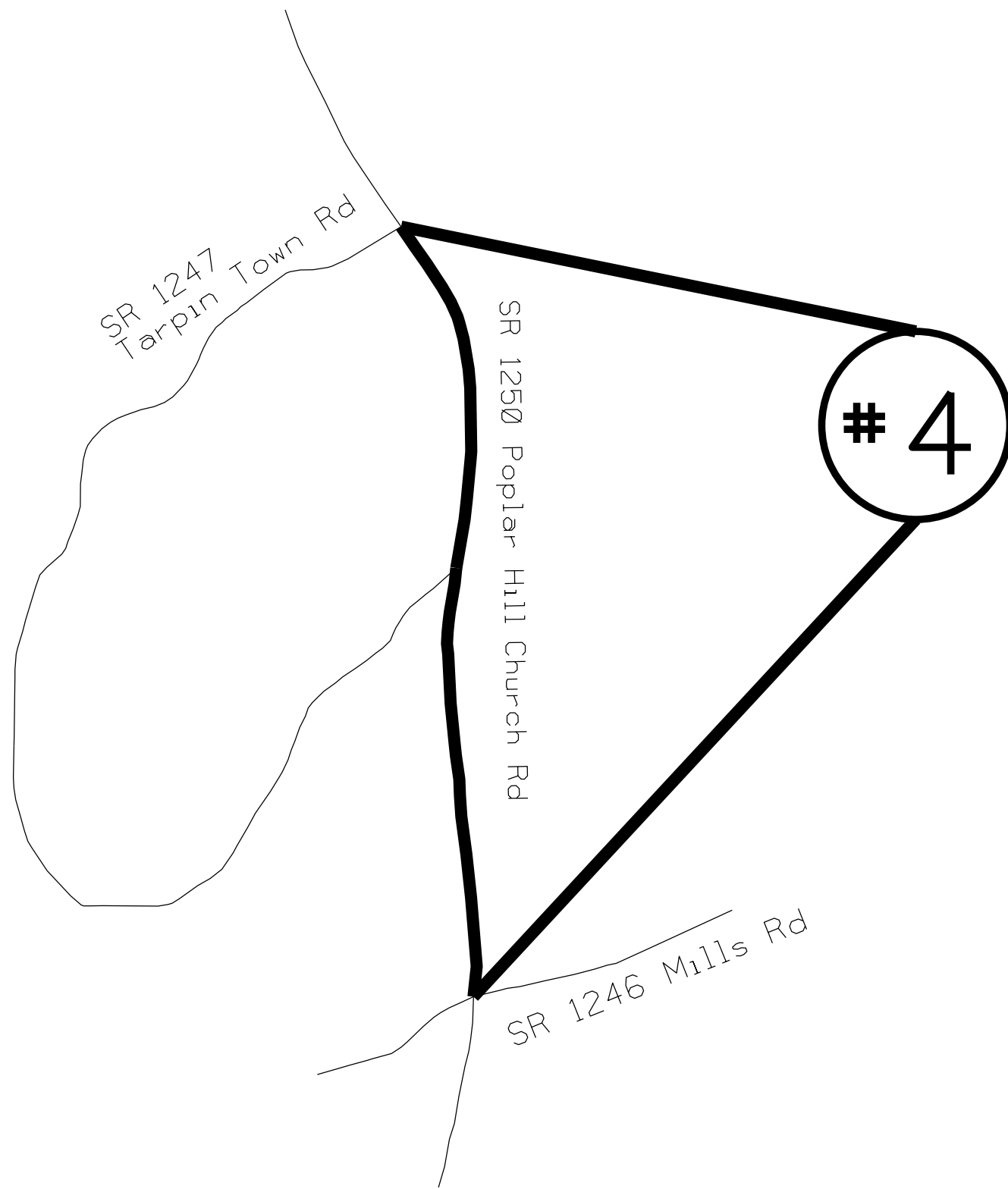
NORTH CAROLINA

PREPARED BY THE
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #3 US 74 EB
3.5 MILES
FROM PVMT JOINT WEST OF SR 1403 E PASSIAC ST
TO PVMT JOINT WEST OF S MAIN ST

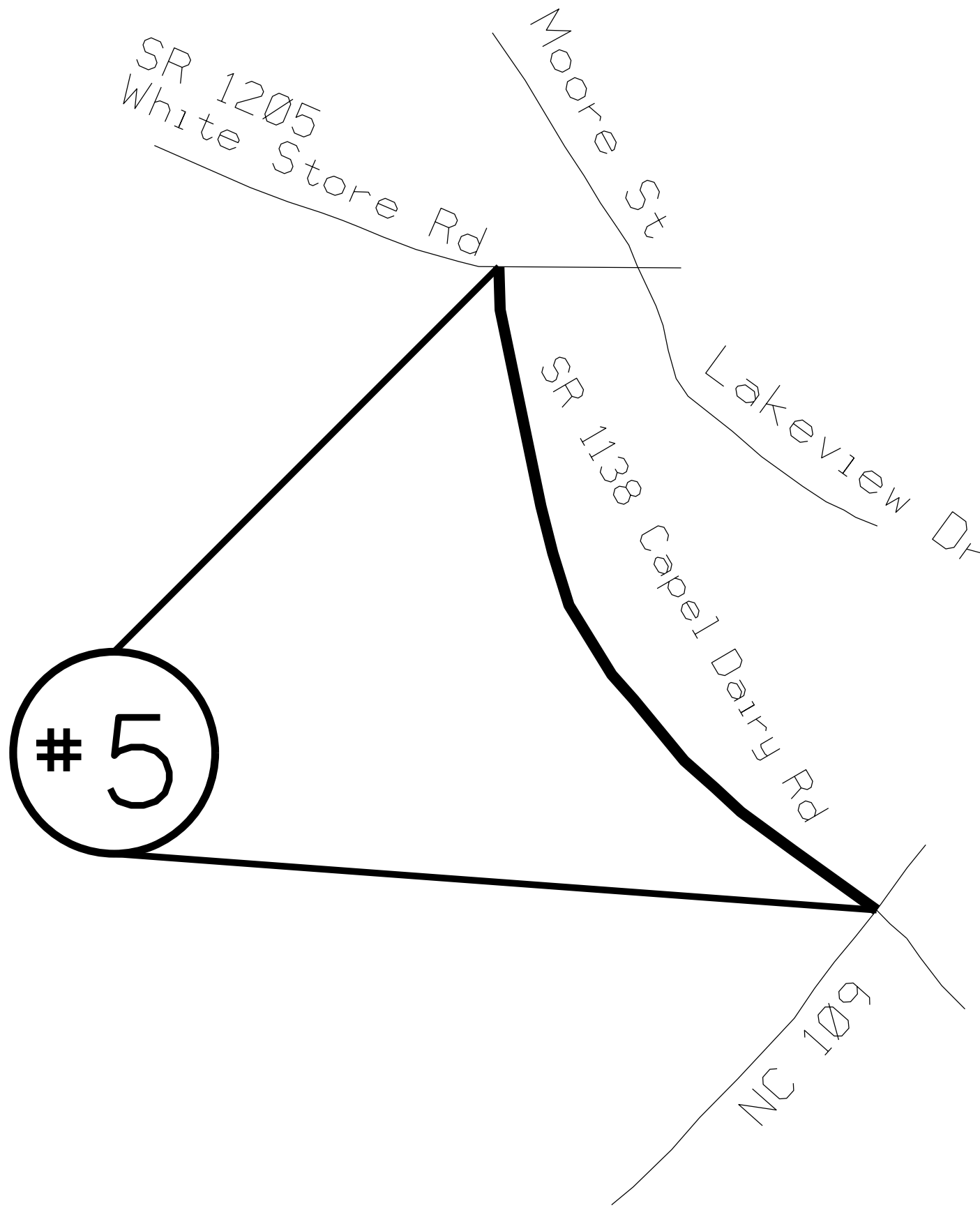


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	4	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
ANSON COUNTY
 NORTH CAROLINA
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #4 SR 1250 POPLAR HILL CHRUCH RD
 1.5 MILES
 FROM SR 1247 TARPIN TOWN RD
 TO SR 1246 MILLS RD



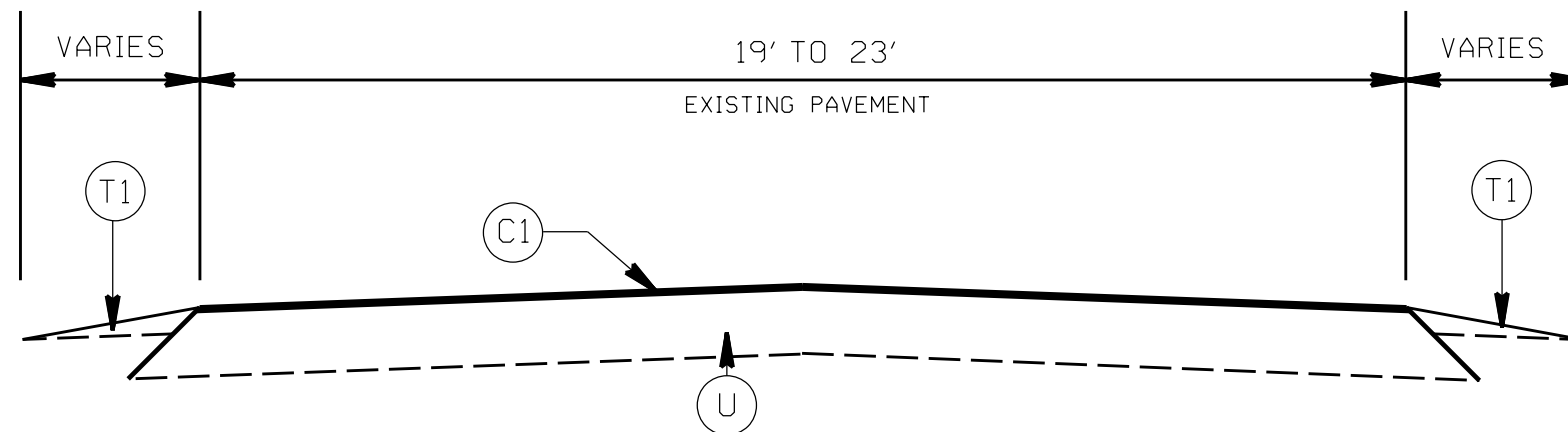
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	5	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS
ANSON COUNTY
 NORTH CAROLINA
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #5 SR 1138 CAPEL DAIRY RD
 0.65 MILES
 FROM SR 1205 WHITE STORE RD
 TO NC 109

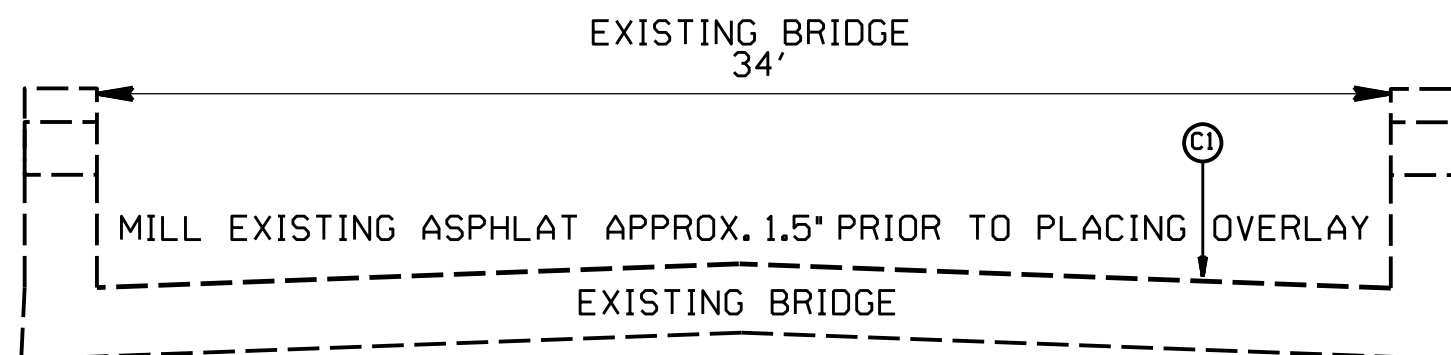
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	6	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 1
 NC 742 (MAP 1)
 STA. 10+00 TO STA. 114+49
 STA. 115+44 TO STA. 162+06
 SR 1250 POPLAR HILL CHURCH RD (MAP 4)
 SR 1138 CAPEL DAIRY RD (MAP 5)


PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(F1)	ASPHALT SURFACE TREATMENT, MAT COAT = 78M (SEE SPECIAL PROVISIONS)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.

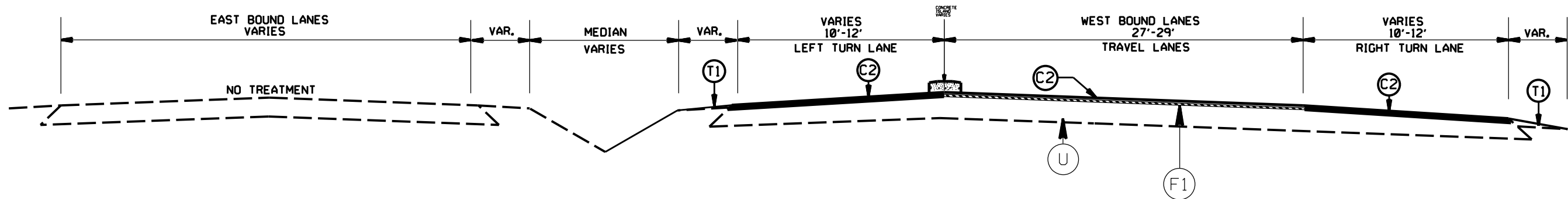


TYPICAL SECTION NO. 2
 NC 742 (MAP 1)
 STA. 114+49 TO STA. 115+44

2026
ANSON COUNTY RESURFACING

SCALE	NA		REVISIONS
DATE	7/21		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED			

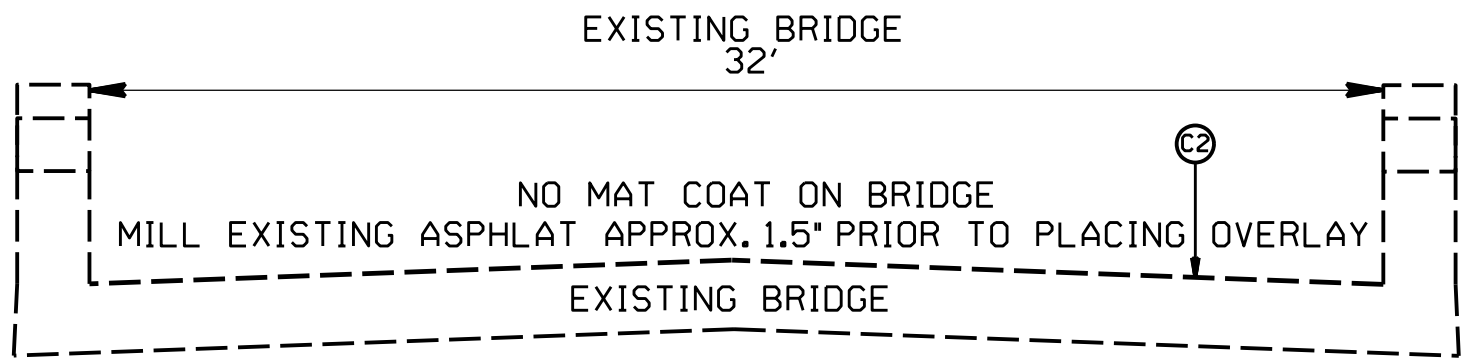
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	7	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 3
 US 74 WEST BOUND LANES (MAP 2)
 STA. 10+00 TO STA. 47+60
 STA. 49+10 TO STA. 95+01

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(F1)	ASPHALT SURFACE TREATMENT, MAT COAT * 78M (SEE SPECIAL PROVISIONS)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.

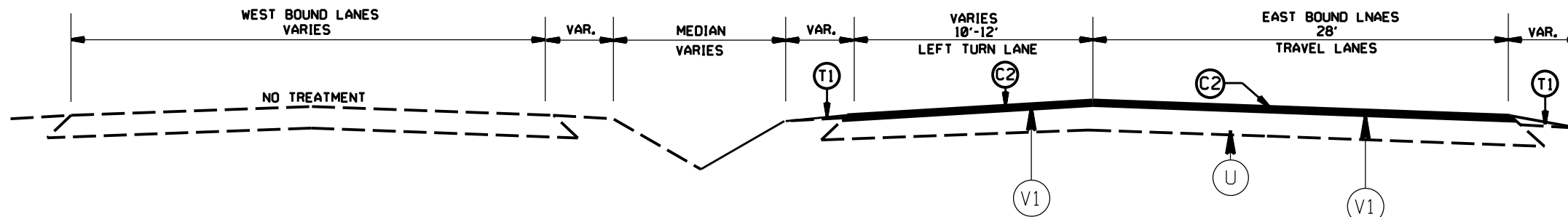


TYPICAL SECTION NO. 4
 US 74 WEST BOUND LANES (MAP 2)
 STA. 47+60 TO STA. 49+10

2026
 ANSON COUNTY RESURFACING

SCALE	-NA-		REVISIONS
DATE	7/21		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED			

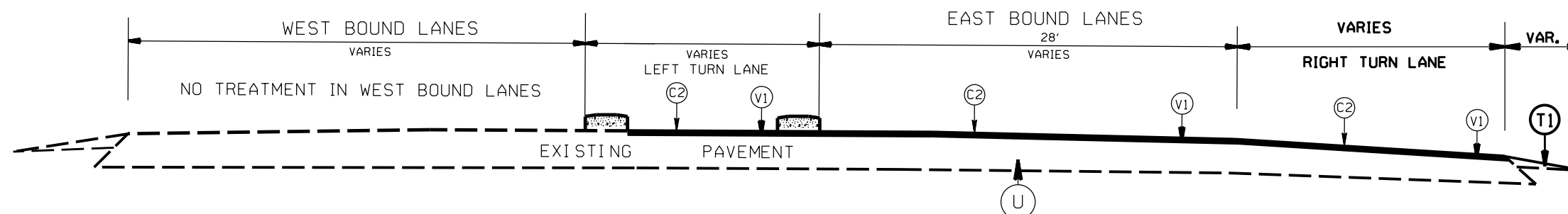
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	8	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 5
 US 74 EAST BOUND LANES (MAP 3)
 APPROX. STA. 10+00 TO STA. 70+33
 APPROX. STA. 82+13 TO STA. 125+97

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(F1)	ASPHALT SURFACE TREATMENT, MAT COAT * 78M (SEE SPECIAL PROVISIONS)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.



TYPICAL SECTION NO. 6
 US 74 EAST BOUND LANES (MAP 3)
 APPROX. STA. 70+33 TO STA. 75+31
 APPROX. STA. 146+06 TO STA. 152+09
 APPROX. STA. 157+37 TO STA. 176+07
 APPROX. STA. 184+28 TO STA. 194+90

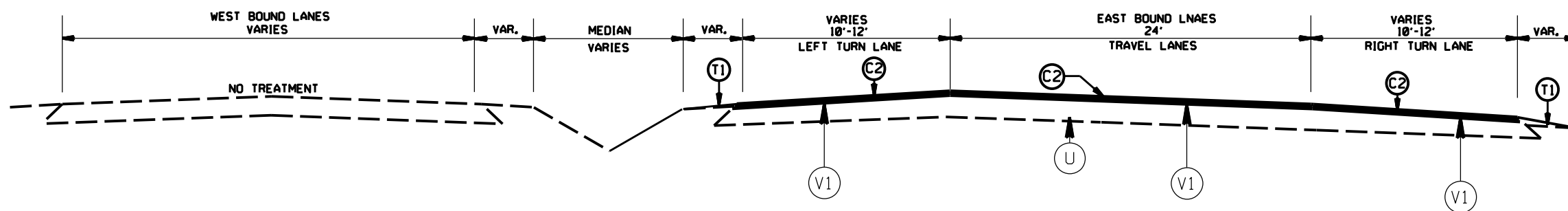
2026
 ANSON COUNTY RESURFACING

SCALE	-NA-
DATE	7/21
DWG. BY	AMO
DESIGN BY	AMO
APPROVED	



REVISIONS	

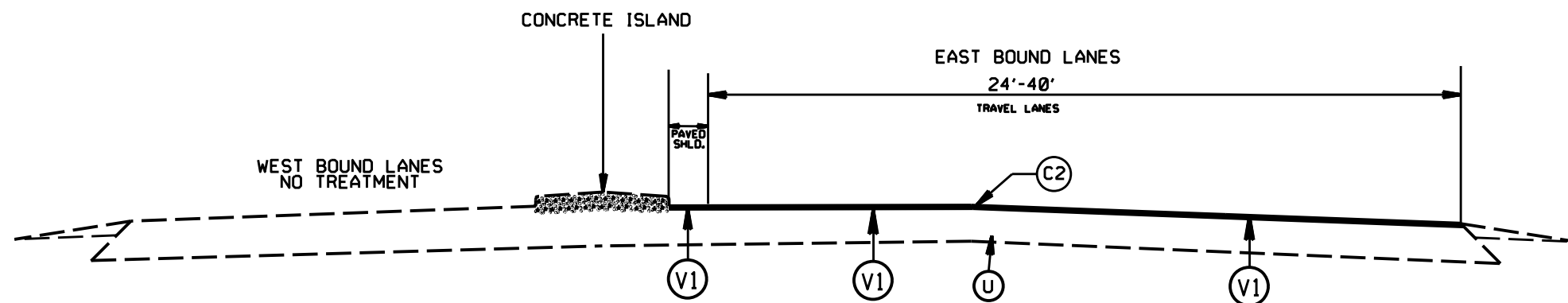
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	9	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 7
 US 74 EAST BOUND LANES (MAP 3)
 APPROX. STA. 75+31 TO STA. 82+13
 APPROX. STA. 125+97 TO STA. 130+02


PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(F1)	ASPHALT SURFACE TREATMENT, MAT COAT * 78M (SEE SPECIAL PROVISIONS)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.



TYPICAL SECTION NO. 8
 US 74 EAST BOUND LANES (MAP 3)
 APPROX. STA. 130+02 TO STA. 146+06
 APPROX. STA. 152+09 TO STA. 157+37
 APPROX. STA. 176+07 TO STA. 184+28


2026
ANSON COUNTY RESURFACING

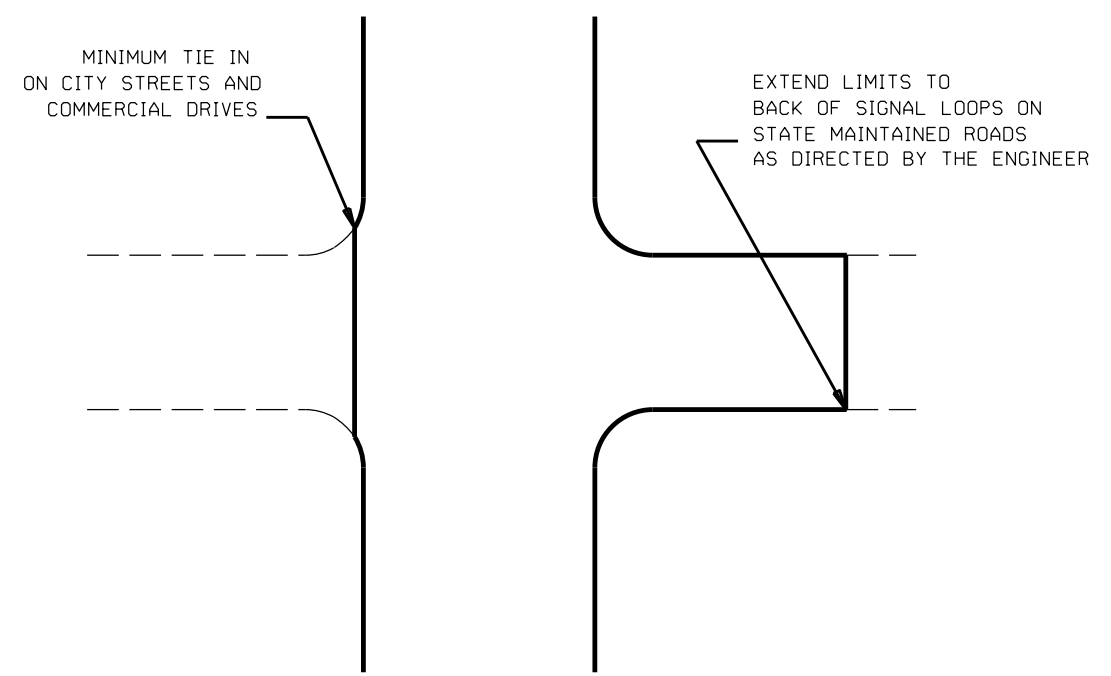
SCALE	-NA-		REVISIONS
DATE	7/21		
DWG. BY	AMQ		
DESIGN BY	AMQ		
APPROVED			

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	10	
F.A. PROJECT NO.			

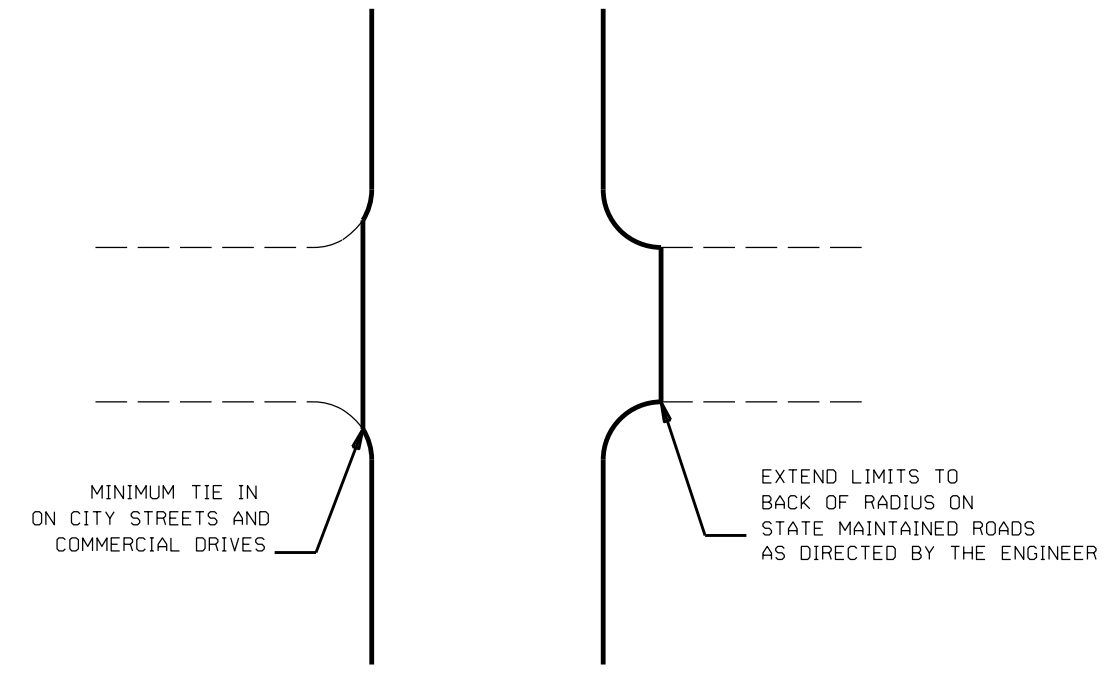
PROJECT NOTES:

1. MAP 1, MILL EXISITNG ASPHALT ON BRIDGE PRIOR TO OVERLAY,SEE TYPICAL NO 2.
2. MAP 2, DO NOT PLACE #78M MAT COAT IN TURN LANES
3. MAP 2, DO NOT PLACE #78M MAT COAT ON EXISITNG BRIDGE
APPROX STA. 47+60 TO 49+10,SEE TYPICAL NO.4
- 4.DEPTH OF PATCHING WILL BE AS DIRECTED BY THE ENGINEER.
- 5.SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.
- 6.MILLED RUMBLE STRIPS TO BE INSTALLED ON MAPS 1,2,3.
SEE SPECIAL PROVISIONS AND MILLED RUMBLE STRIP DETIAL SHEETS

2026 ANSON COUNTY RESURFACING			REVISIONS	
SCALE	1"=10'			
DATE	7/21			
DWG. BY	AJB			
DESIGN BY	AJB			
APPROVED				



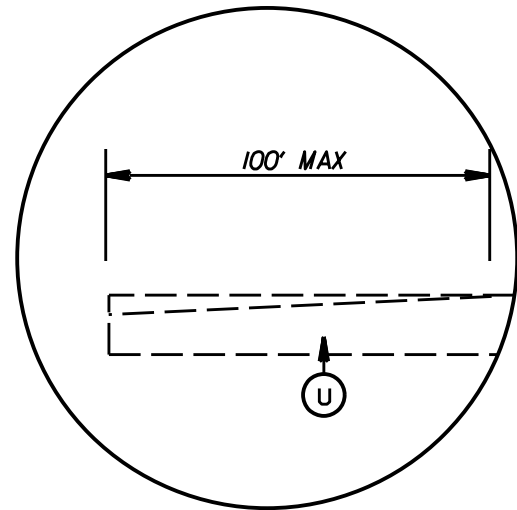
TYPICAL DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



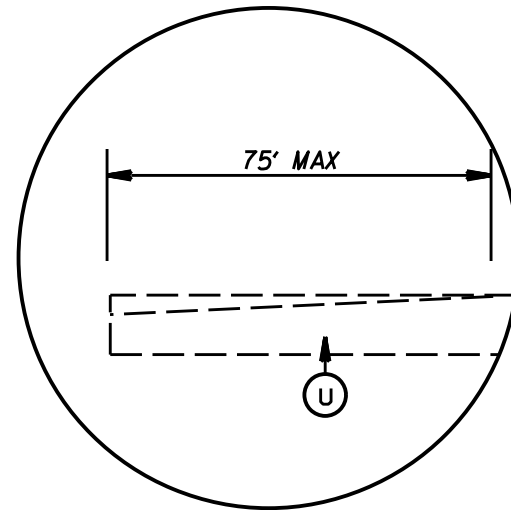
TYPICAL DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES

ADDITIONAL INTERSECTIONS (NON-TYPICAL)		
Extend paving limits to back of radius or loop on the following intersections:		
MAP*	STREET NAME	COMMENTS
MAP 1	LEWIS ST SR 1643	
MAP 1	HARLEY ST SR 1663	
MAP 1	KITTY BENNETT RD SR 1423	
MAP 1	BOGGAN CUT RD SR 1422	
MAP 1	COPPEDGE EDDINS RD SR 1642	
MAP 2	BOGGAN CUT RD SR 1422	EXTEND PAVING LIMITS TO PMVT JOINT
MAP 3	PEACHLAND POLKTON ELEMENTRY ENTRANCE	EXTEND PAVING LIMITS TO PMVT JOINT
MAP 3	PEACHLAND POLKTON ELEMENTRY ENTRANCE BUS LOT	EXTEND PAVING LIMITS TO PMVT JOINT
MAP 3	HORNE TOWN RD SR 1251	EXTEND PAVING LIMITS TO PMVT JOINT
MAP 3	POPLAR HILL CH RD SR 1250	EXTEND PAVING LIMITS TO PMVT JOINT AT END OF ISLAND
MAP 4	TARPIN TOWN RD SR 1247	

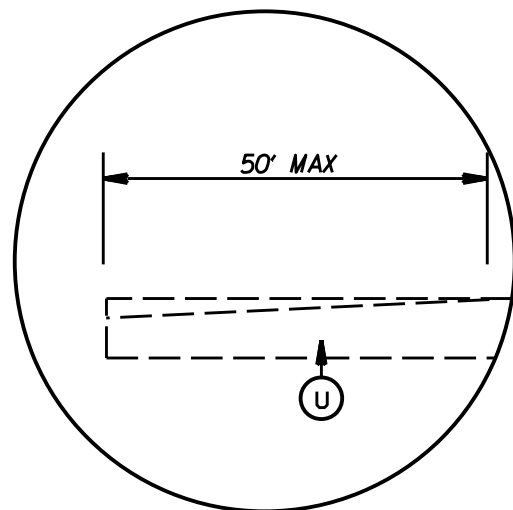
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	12	
F.A. PROJECT NO.			



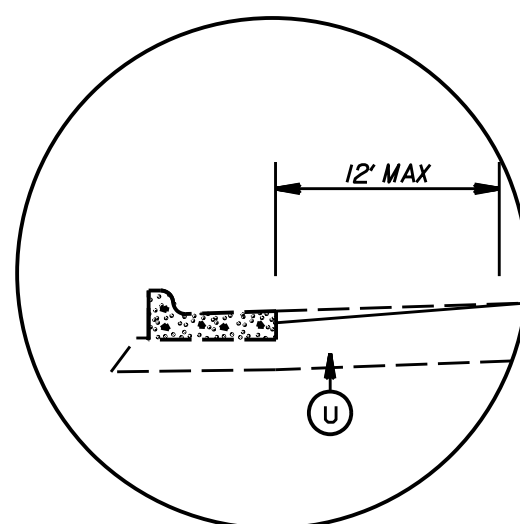
DETAIL FOR INCIDENTAL MILLING (0" TO 2.0")



DETAIL FOR INCIDENTAL MILLING (0" TO 1.5")



DETAIL FOR INCIDENTAL MILLING (0" TO 1.0")

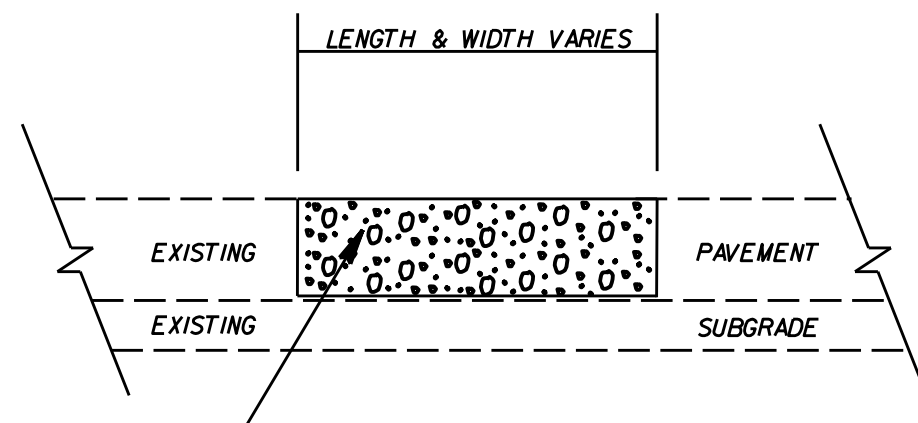


DETAIL FOR PROFILE MILLING

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(F1)	ASPHALT SURFACE TREATMENT, MAT COAT = 78M (SEE SPECIAL PROVISIONS)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.

PATCHING DETAIL



RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER. ASPHALT TYPE 119.0C SHALL BE PLACED.

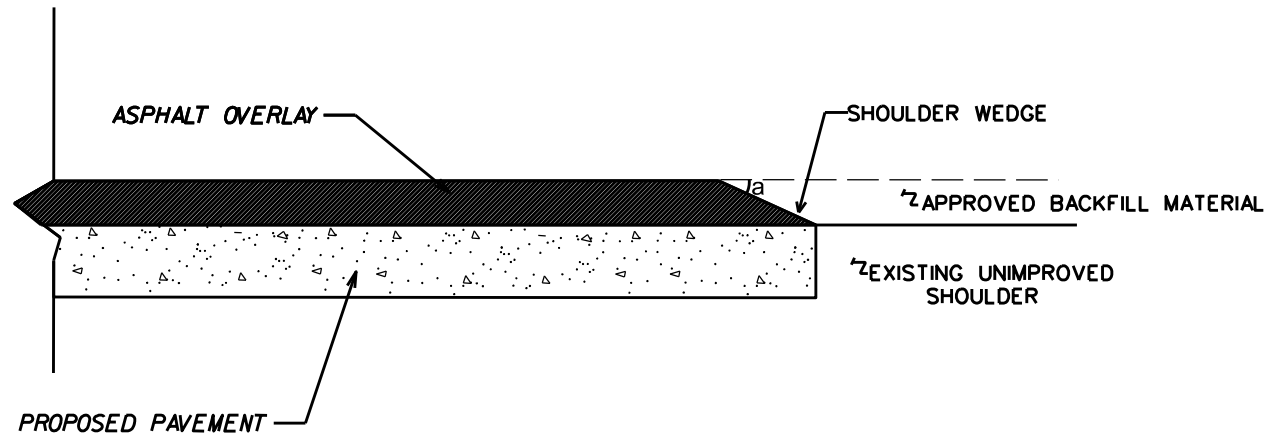
2026
ANSON COUNTY RESURFACING

SCALE	NA		REVISIONS
DATE	1/20		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		

NOTES:

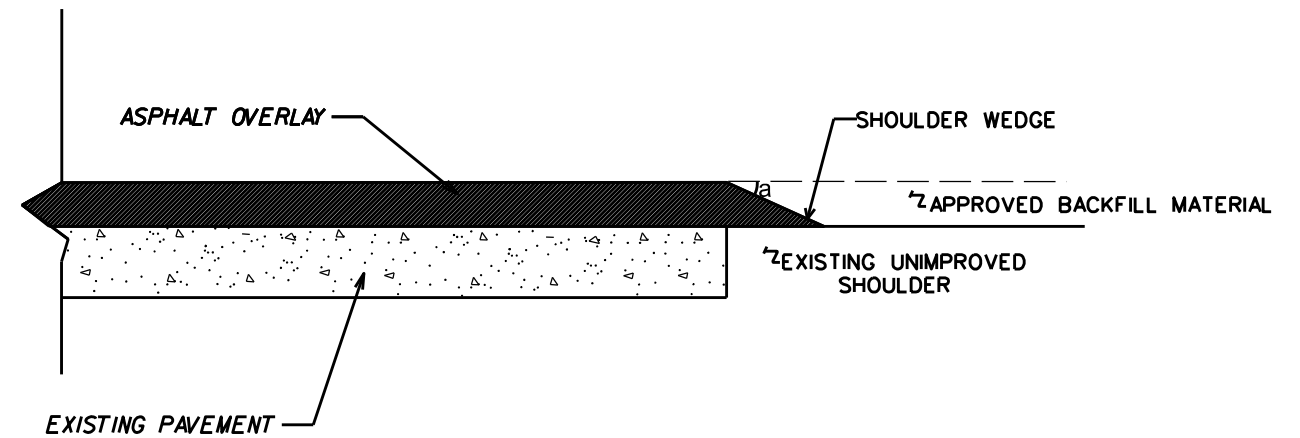
- 1) DETAIL DOES NOT APPLY TO OGAFCC AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	13	
F.A. PROJECT NO.			



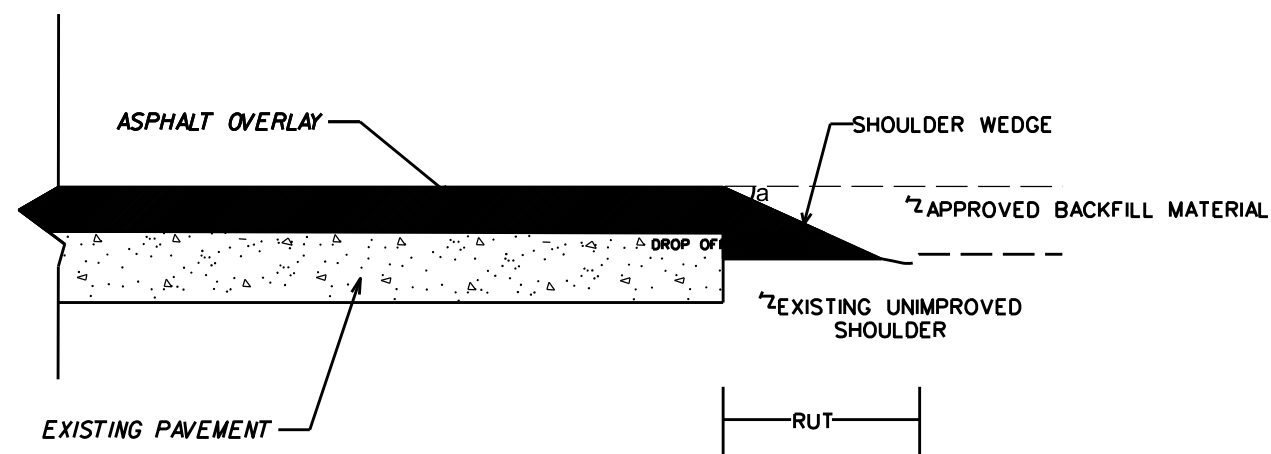
SHOULDER WEDGE DETAIL

(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)

a = 30 DEGREES

SHOULDER WEDGE DETAILS			
SCALE	NA		REVISIONS
DATE	7/21		
DWG. BY	AJB		
DESIGN BY	AJB		
APPROVED			

WATTLE WITH POLYACRYLAMIDE DETAIL

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	EC1	
F.A. PROJECT NO.			

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. CROSS SECTION.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

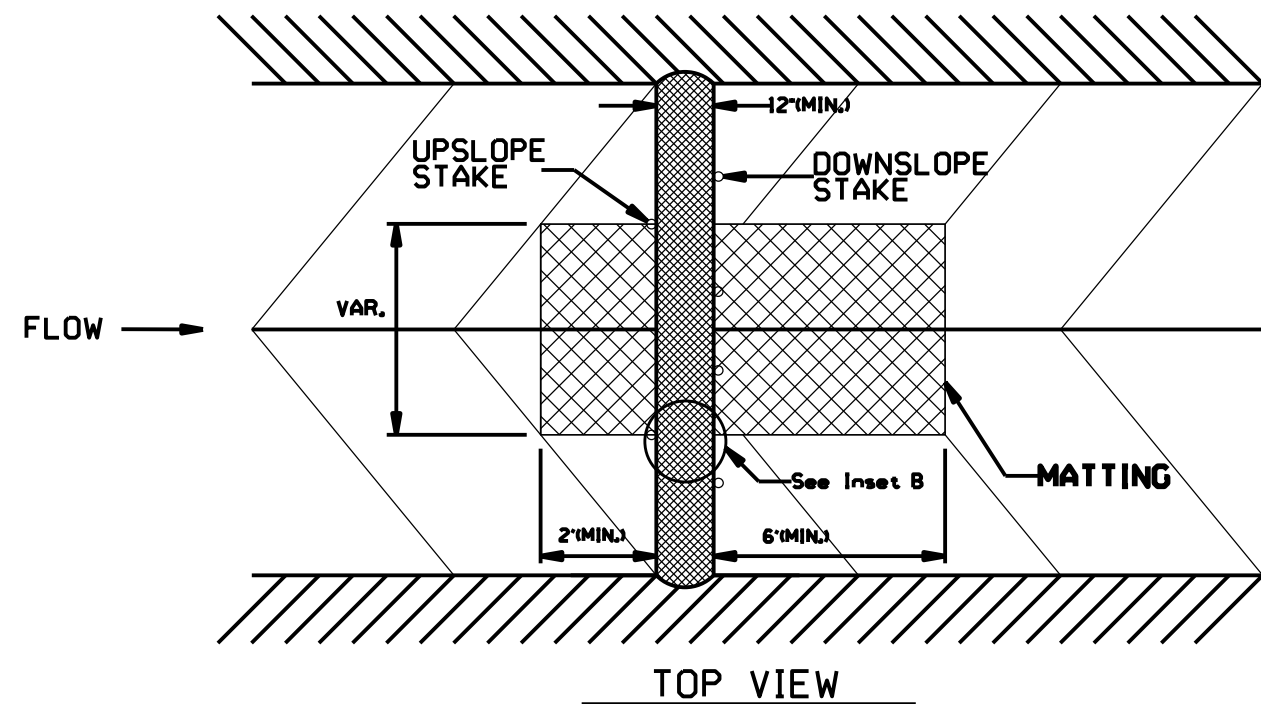
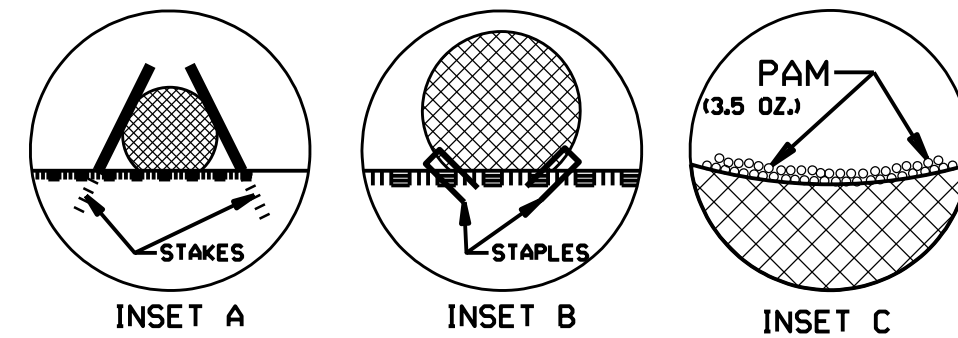
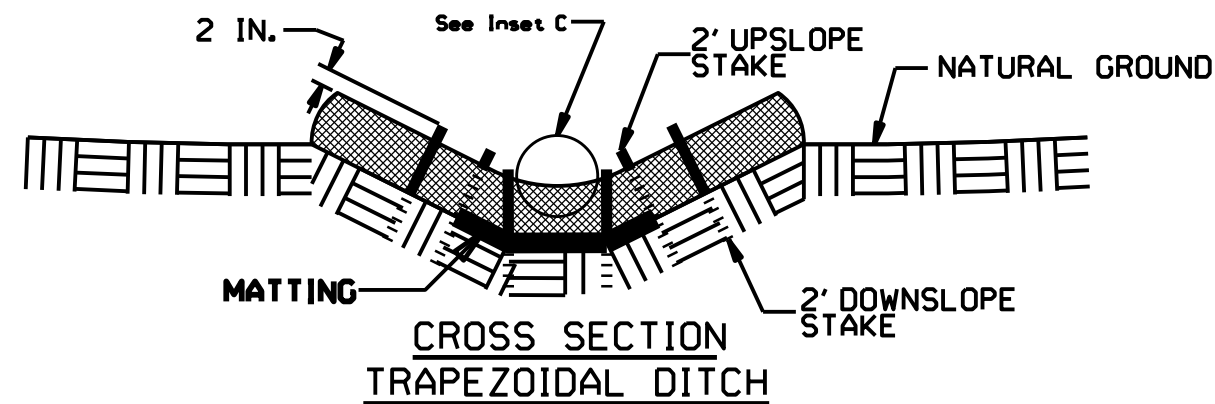
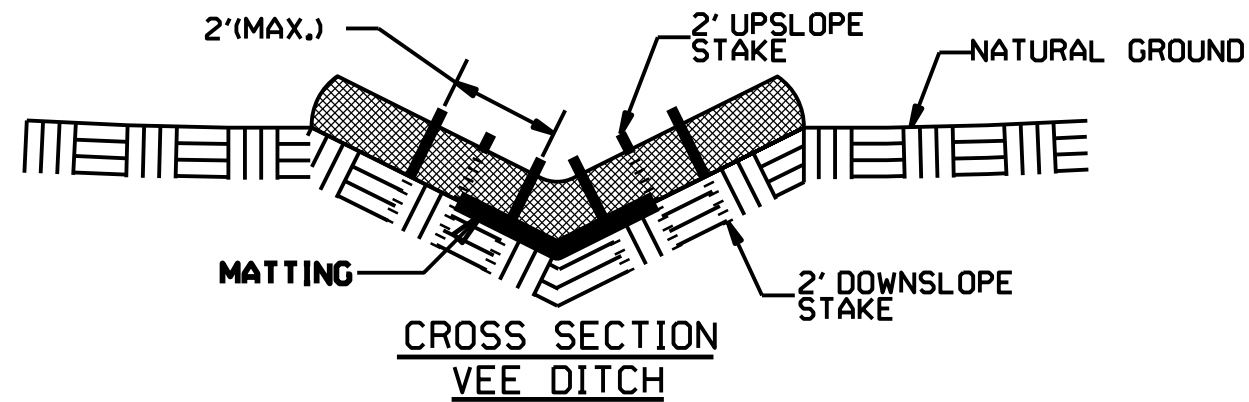
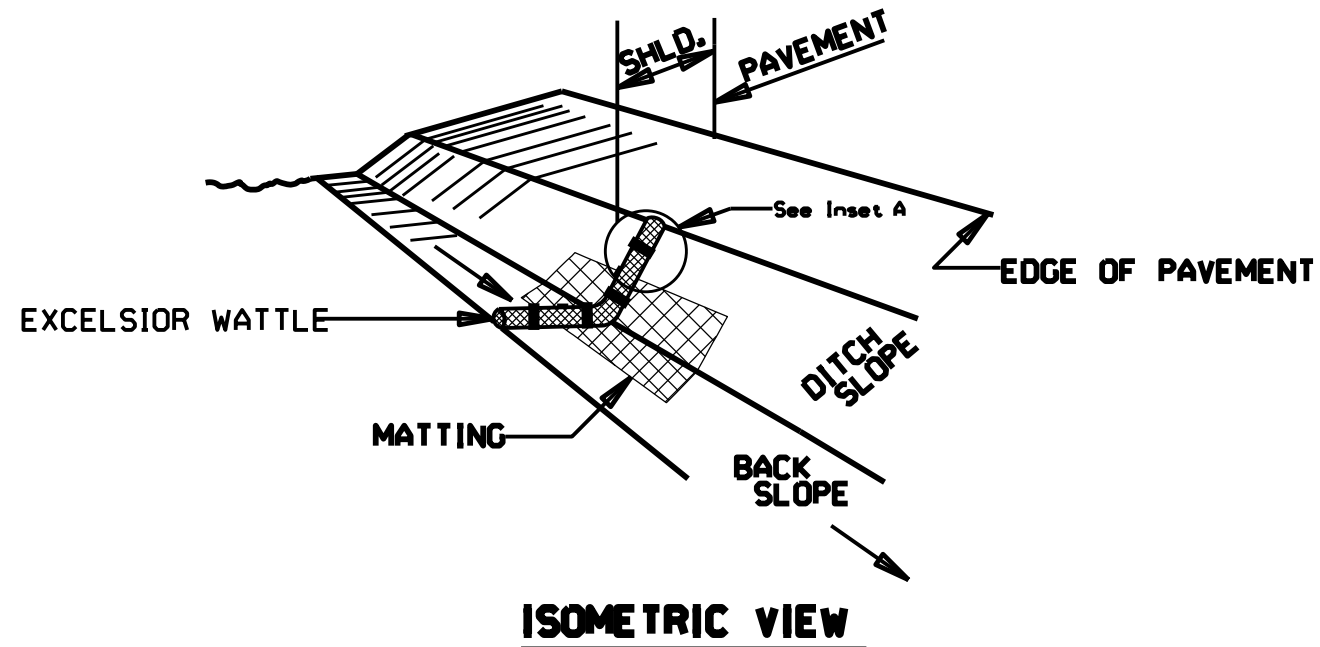
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

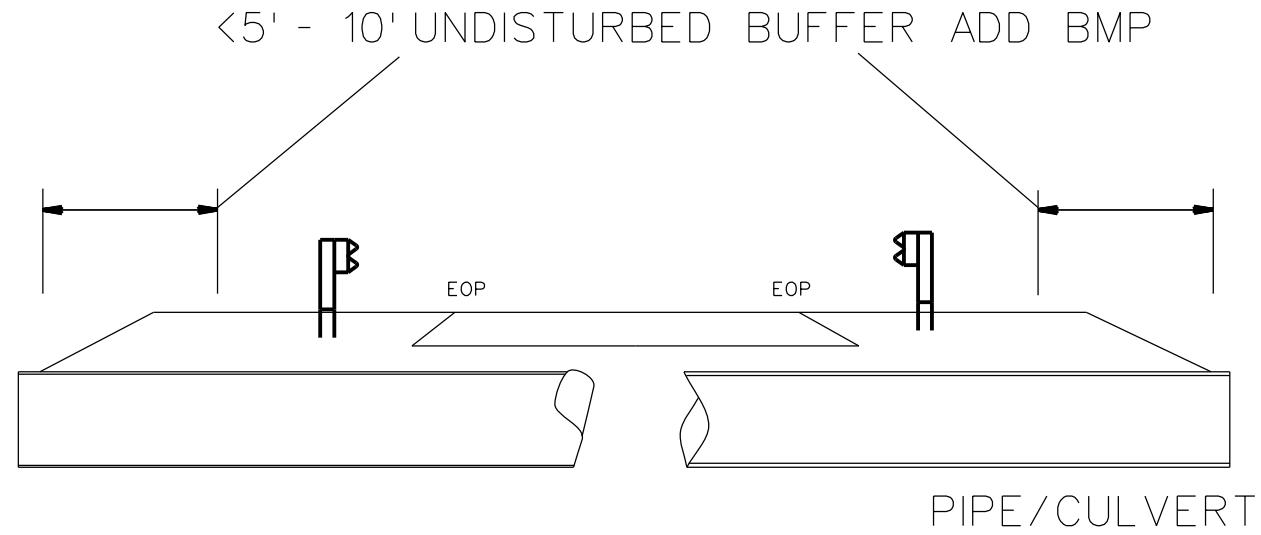
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



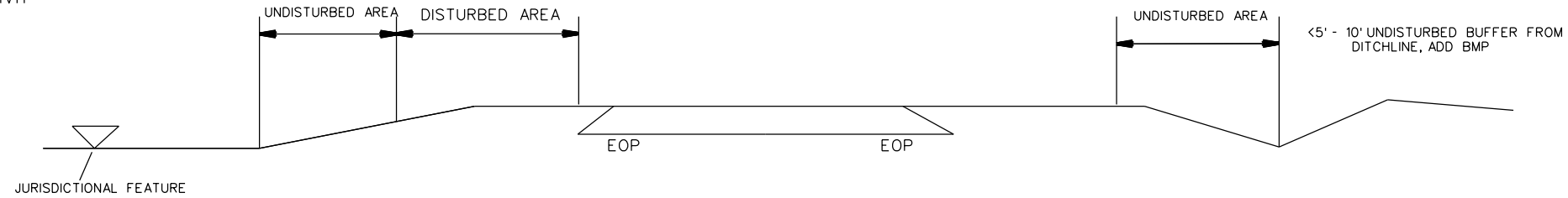
NOTES: LESS THAN 5' - 10' UNDISTURBED BUFFER FROM ROW, DITCHLINE, WATER FEATURE, OR DRAINAGE INLET, ADD BMP.

BMP OPTIONS: WATTLE OR SILT FENCE

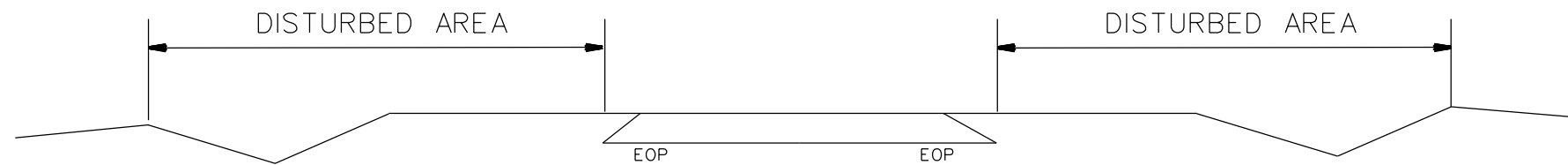


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2026CPT.10.02.10041 2026CPT.10.02.20041	EC2	
F.A. PROJECT NO.			

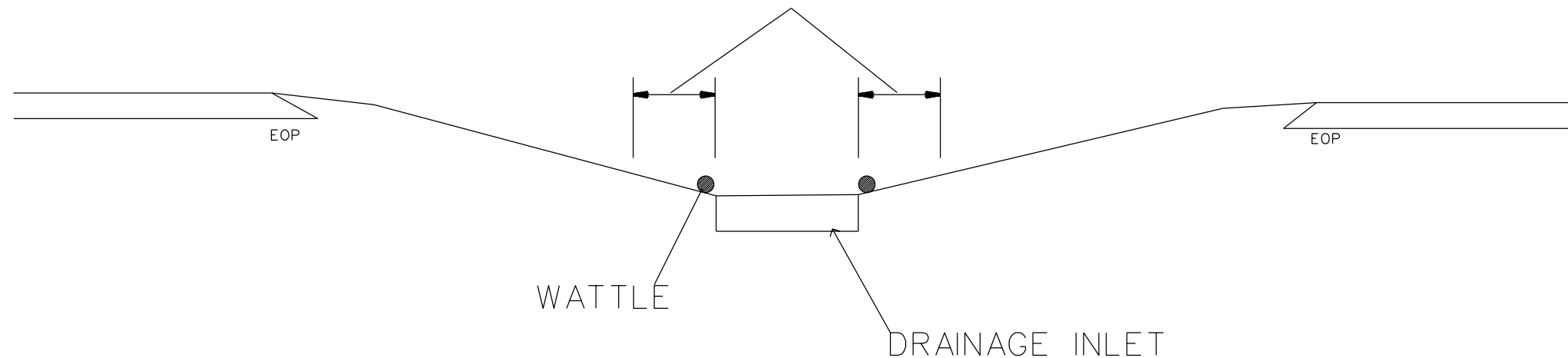
<5' - 10' UNDISTURBED BUFFER FROM JURISDICTIONAL FEATURE ADD BMP



USE BMP'S IF SHOULDERS AND/OR FRONTSLOPES AND/OR DITCHLINE AND/OR BACKSLOPES ARE DISTURBED

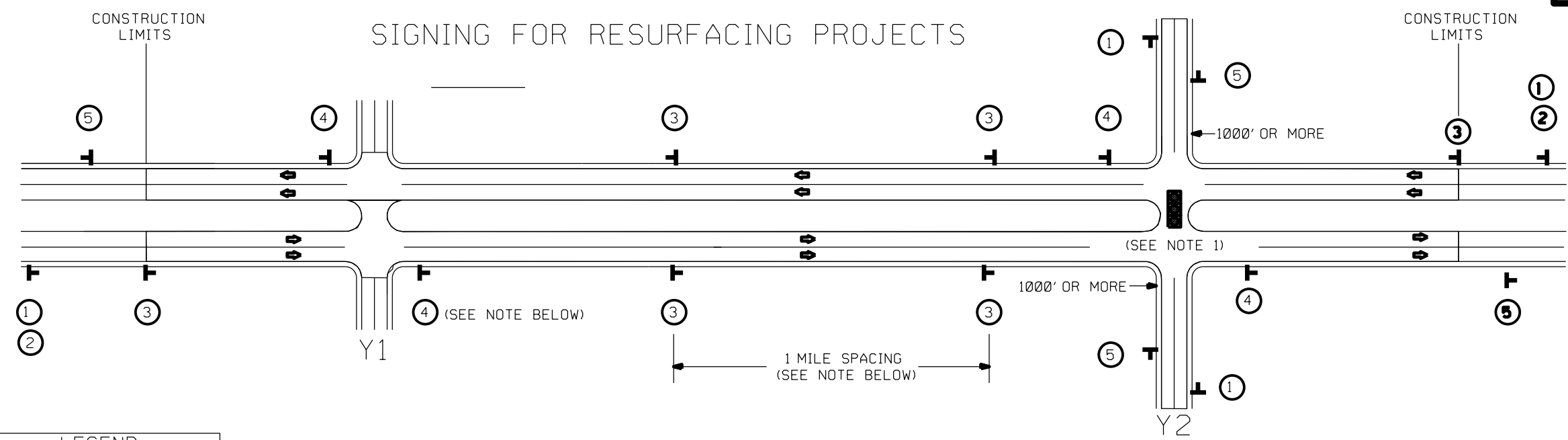


<5' - 10' UNDISTURBED BUFFER FROM INLET, ADD WATTLE



EROSION CONTROL DETAIL

SCALE	-NA-		REVISIONS
DATE	1/20		
DWG. BY	AJB		
DESIGN BY	AJB		
APPROVED			



LEGEND	
T	STATIONARY SIGN
↔	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING



-Y- LINE SIGNING

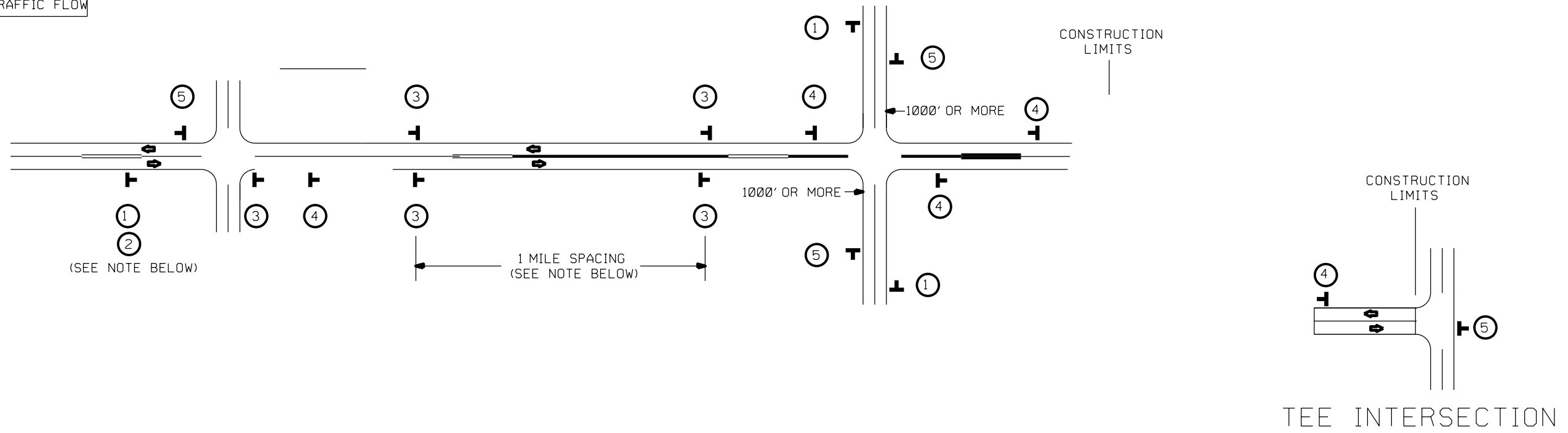
SIGNING NOTES AND PLACEMENT PER DIRECTION	①		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <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; align-items: center;"> <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>
	②		#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)	
	③		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.	
	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.	
⑤		PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.	<p>NOTES:</p> <ol style="list-style-type: none"> 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. 	



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






SIGNING FOR RESURFACING PROJECTS

LEGEND
 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW



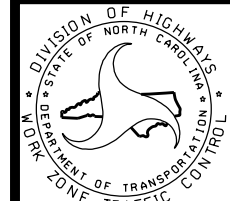
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

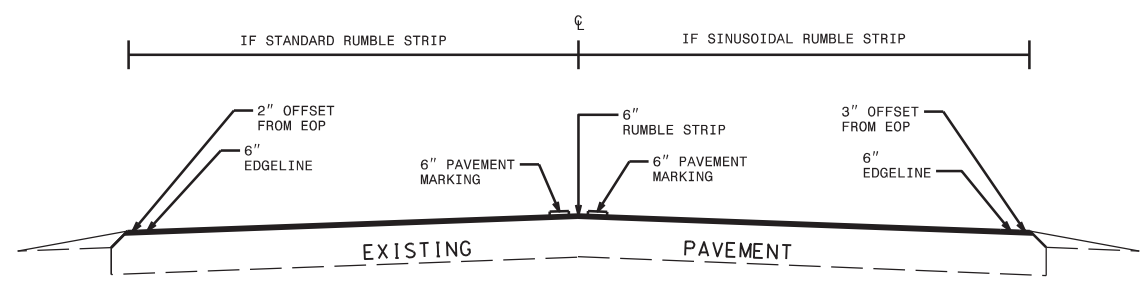
SIGNING NOTES AND PLACEMENT PER DIRECTION	① ②	 	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.	NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS: 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS
	③	 SP 13107 48" X 48"		
	④	 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	 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.	



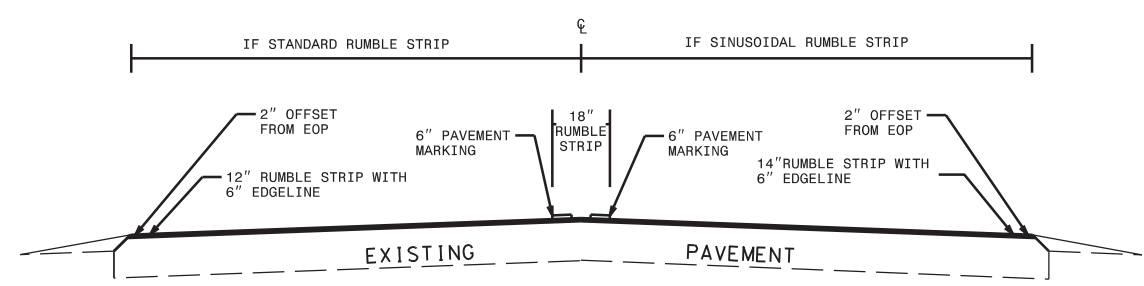
MAPS LESS THAN 2 MILES
 FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNING SIGNS.



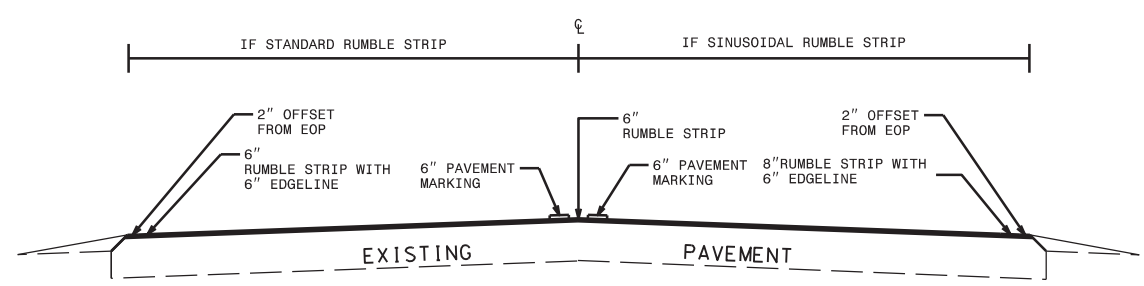
ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING



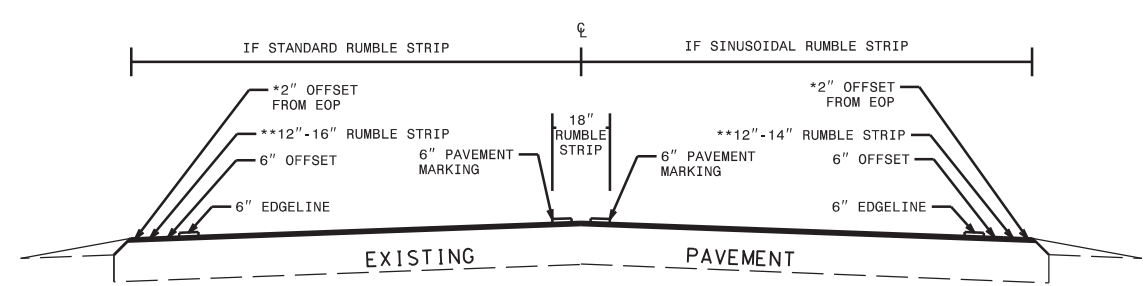
TYPICAL SECTION NO. 1
 $20' \leq \text{PAVEMENT WIDTH} < 22'$



TYPICAL SECTION NO. 4
 $24' \leq \text{PAVEMENT WIDTH} < 26'$

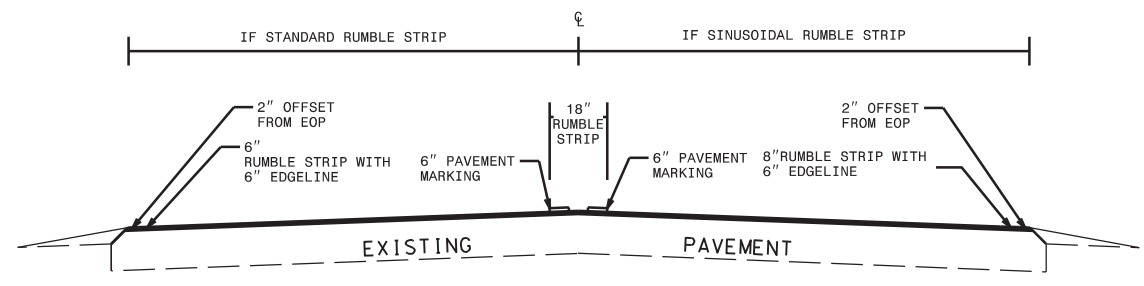


TYPICAL SECTION NO. 2
 $22' \leq \text{PAVEMENT WIDTH} < 23'$



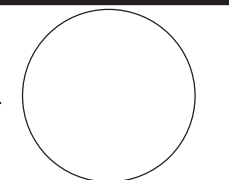
TYPICAL SECTION NO. 5
 $\text{PAVEMENT WIDTH} \geq 26'$

* INCREASE THIS DISTANCE FOR PAVEMENT WIDTHS > 30' BASED ON A LANE WIDTH OF 12'
 ** WIDTH OF RUMBLE STRIP IS BASED ON A LANE WIDTH OF 10'-12'



TYPICAL SECTION NO. 3
 $23' \leq \text{PAVEMENT WIDTH} < 24'$

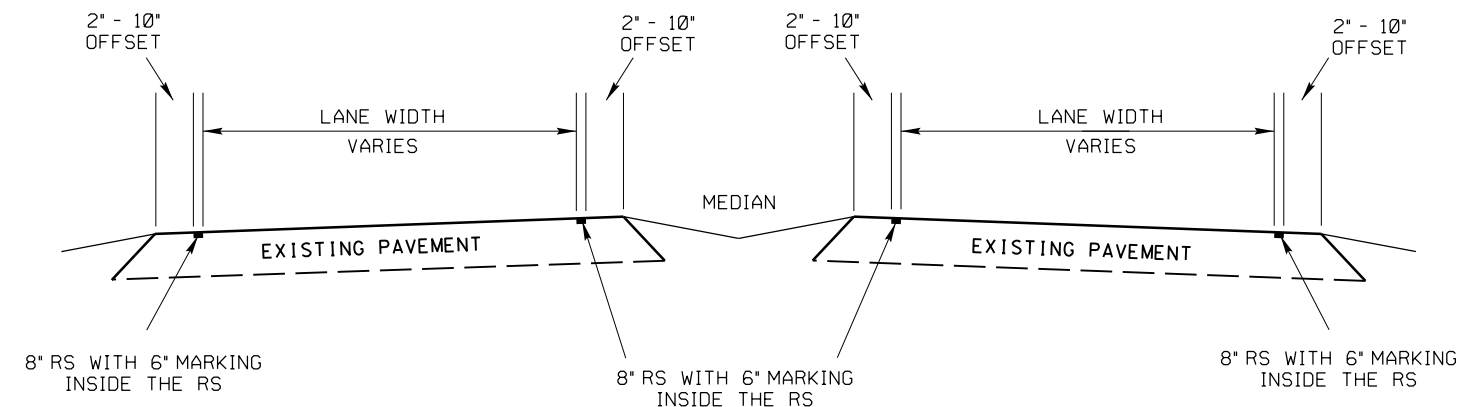
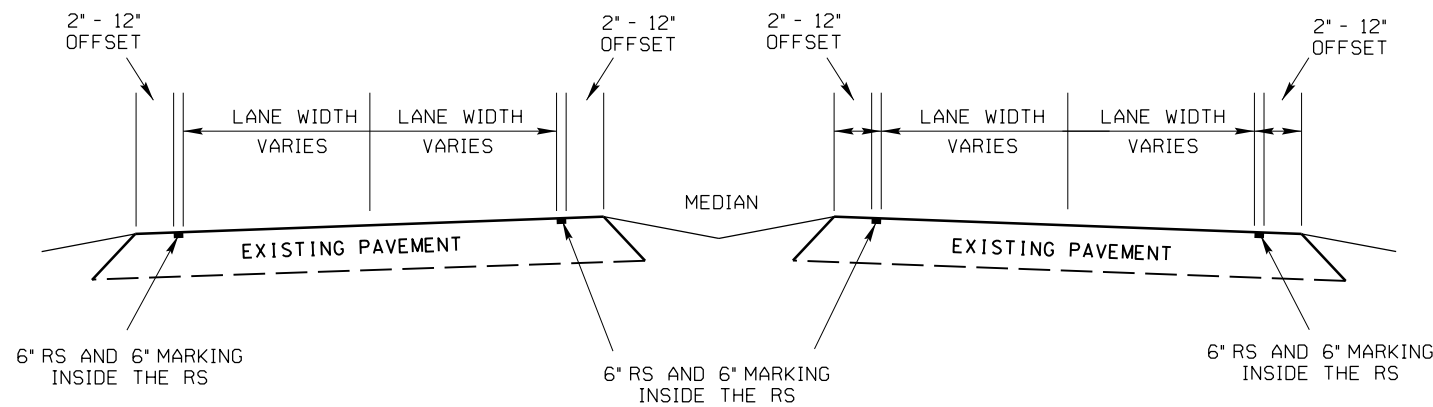
15-NOV-2023 11:22
 S:\001\Projects\15-0001\15-0001-Rumble Strip-Details.dgn
 USER NAME

APPROVED: _____	DATE: _____	MILLED/SINUSOIDAL RUMBLE STRIP DETAIL	
SEAL 			
		DATE: OCT 2023	REVISIONS
DWG. BY: JCB			
DESIGN BY: WAT			
REVIEWED BY:			

SHOULDERS <1.5'
STANDARD RUMBLE
(NON-RESIDENTIAL AREAS)
(SHEET 3 OF 7)

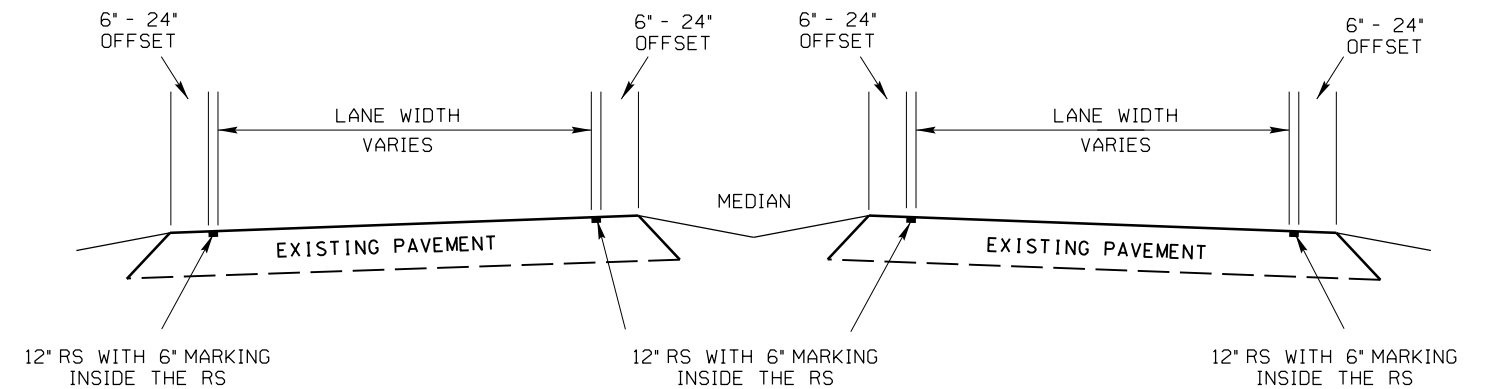
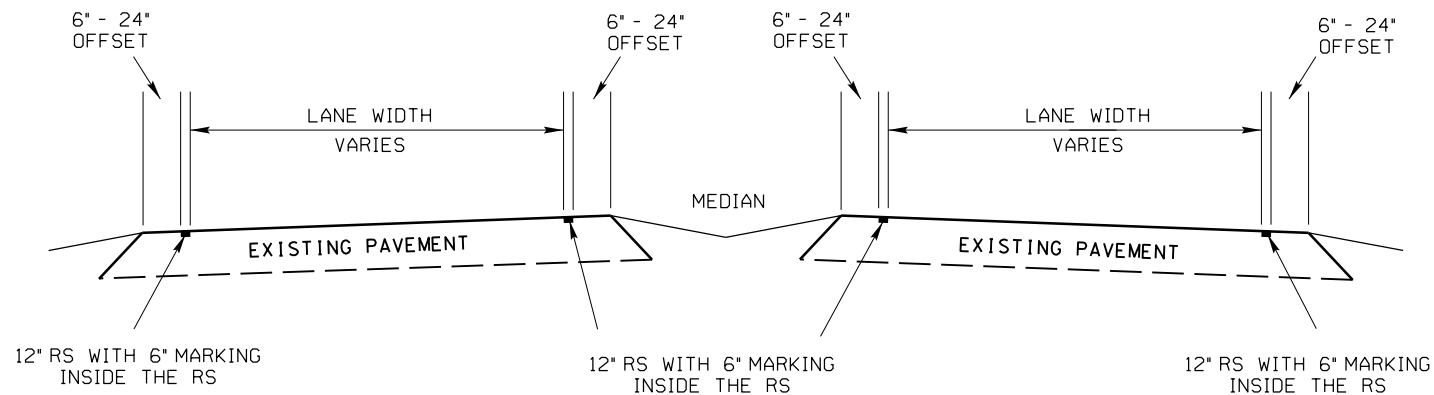
DIVIDED FACILITIES

SHOULDERS <1.5'
SINUSOIDAL RUMBLE
(RESIDENTIAL AREAS)
(SHEET 4 OF 7)



SHOULDERS 1.5' ≤ 3'
STANDARD RUMBLE
(NON-RESIDENTIAL AREAS)
(SHEET 3 OF 7)

SHOULDERS 1.5' ≤ 3'
SINUSOIDAL RUMBLE
(RESIDENTIAL AREAS)
(SHEET 4 OF 7)



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) MONOLITHIC ISLAND SECTIONS SHALL STILL RECEIVE PAVEMENT MARKINGS
- 4) SHOULDERS OR MEDIANS THAT HAVE CURB OR MONOLITHIC ISLANDS SHALL NOT RECEIVE RUMBLE STRIPS
- 5) MAINTAIN A MINIMUM EFFECTIVE LANE WIDTH OF 10' FROM INSIDE EDGE OF RUMBLE TO CENTERLINE OF PAVEMENT MARKING
- 6) 4" PAVEMENT MARKING MAY BE USED IF 10' EFFECTIVE LANE WIDTH (EDGE RUMBLE TO C/L MARKING CANNOT BE ACHIEVED)

RUMBLE STRIPS ON MULTI-LANE DIVIDED FACILITIES WITH LESS THAN 1.5' TO 3' SHOULDER WIDTHS

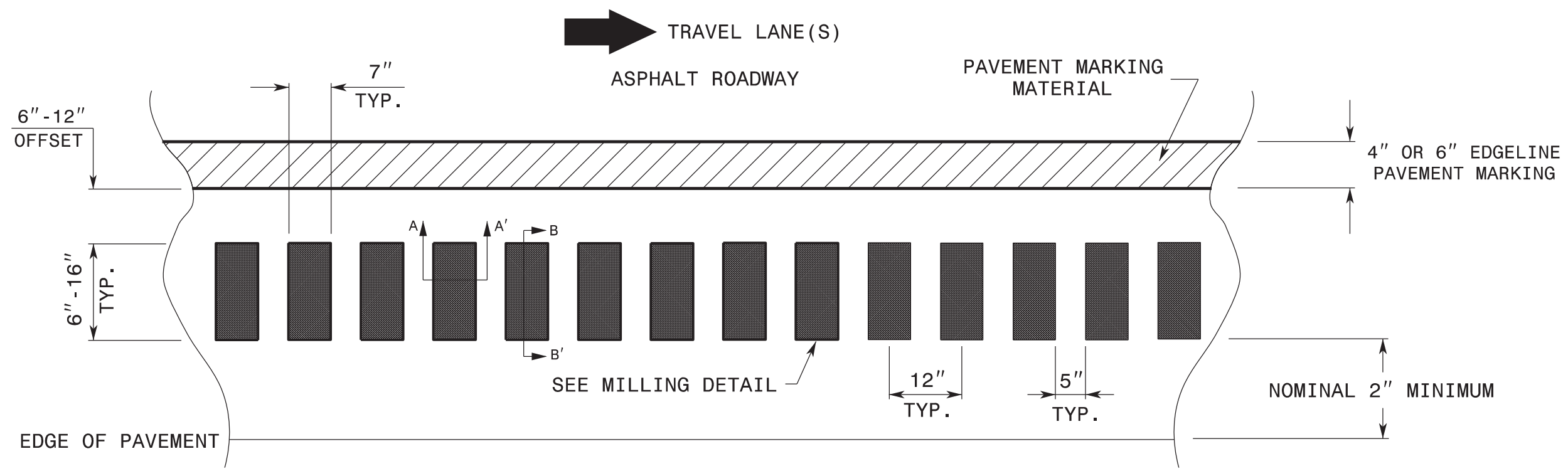
SCALE	r=50'
DATE	5-2025
DWG. BY	CEB
DESIGN BY	CEB
APPROVED	MAM



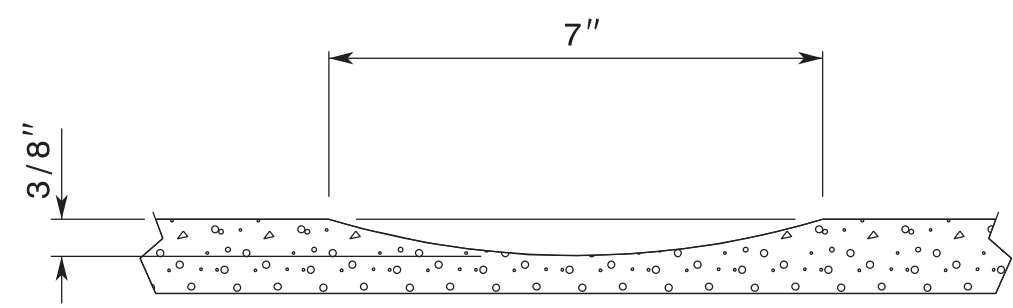
REVISIONS	

2-23

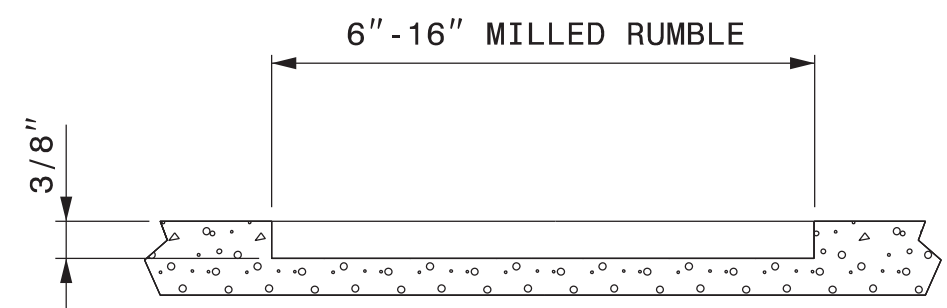
See Table 1 within Rumble Strip Policy for Design Guidance



MILLING DETAIL:



SECTION A-A'

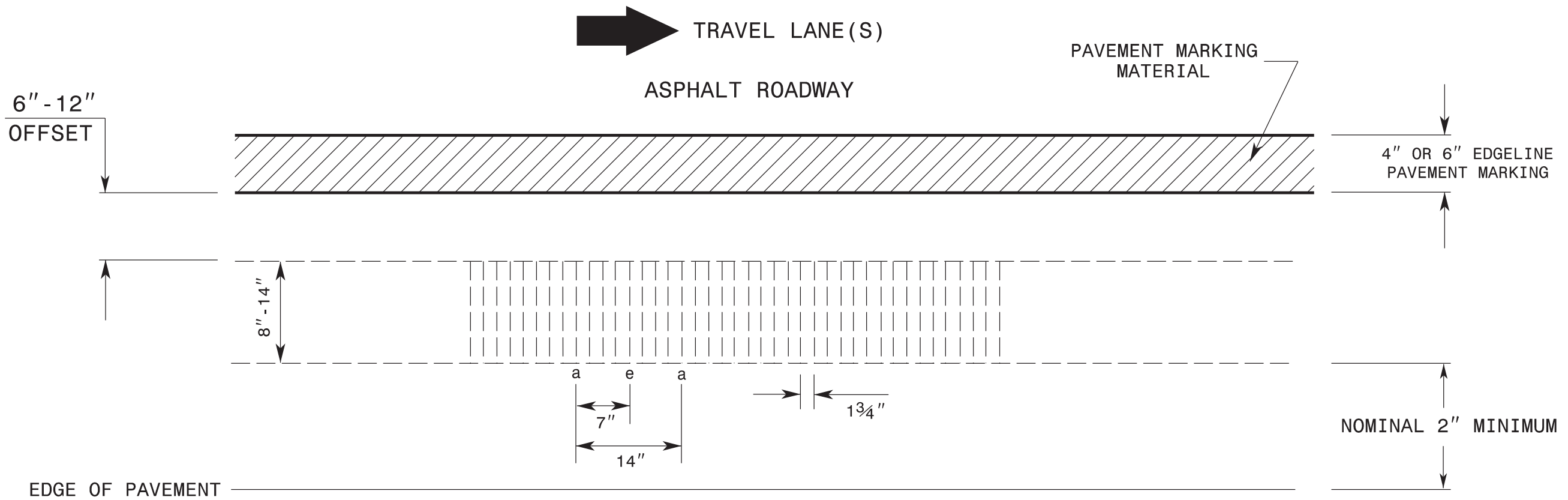


SECTION B-B'

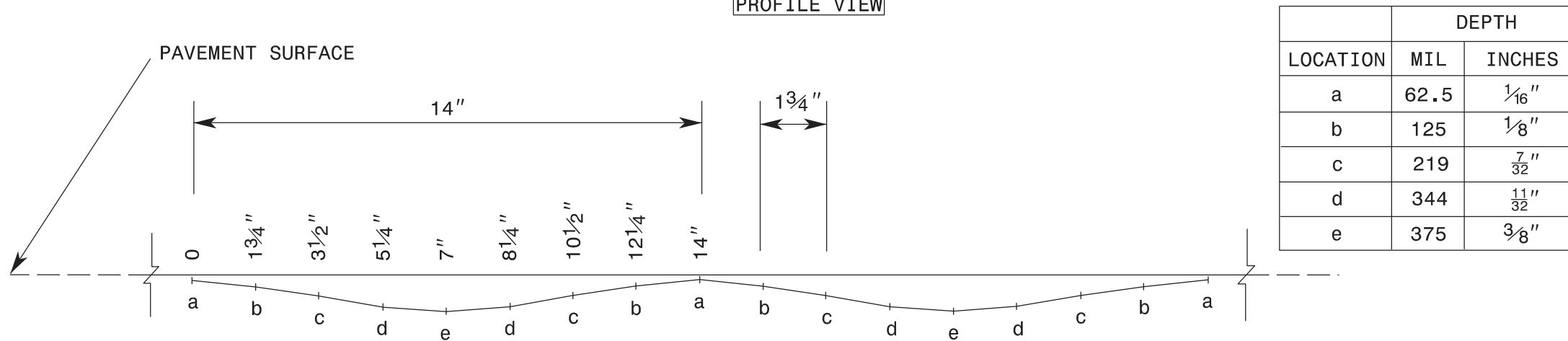
2-23

See Table 1 within Rumble Strip Policy for Design Guidance

PLAN VIEW



PROFILE VIEW

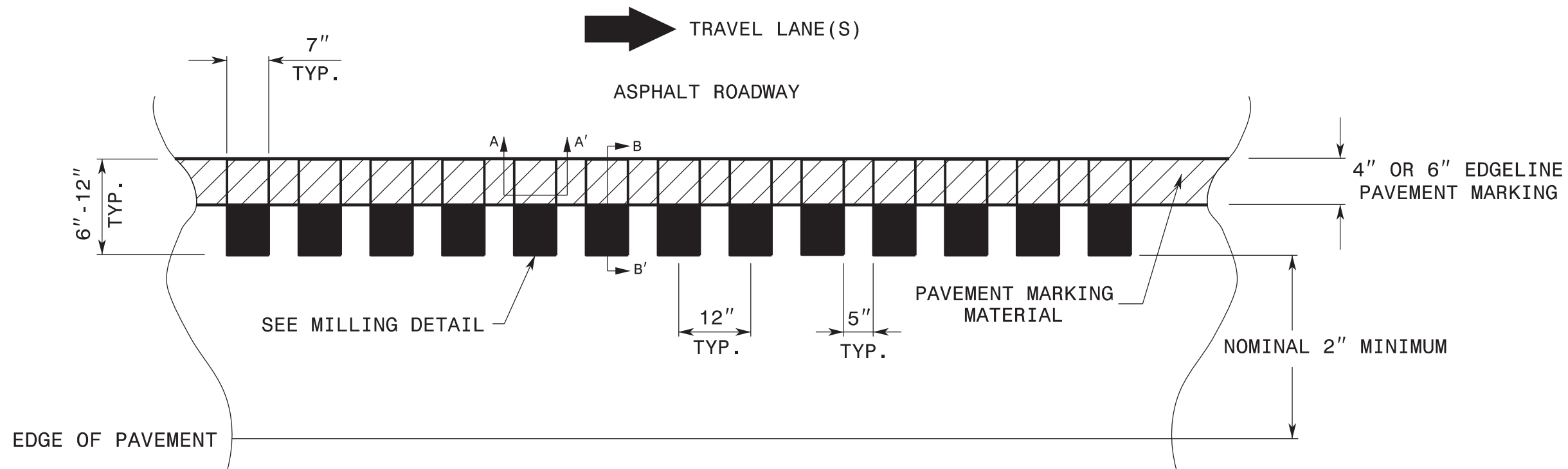


REFERENCE DRAWING ID: Sin.Strip

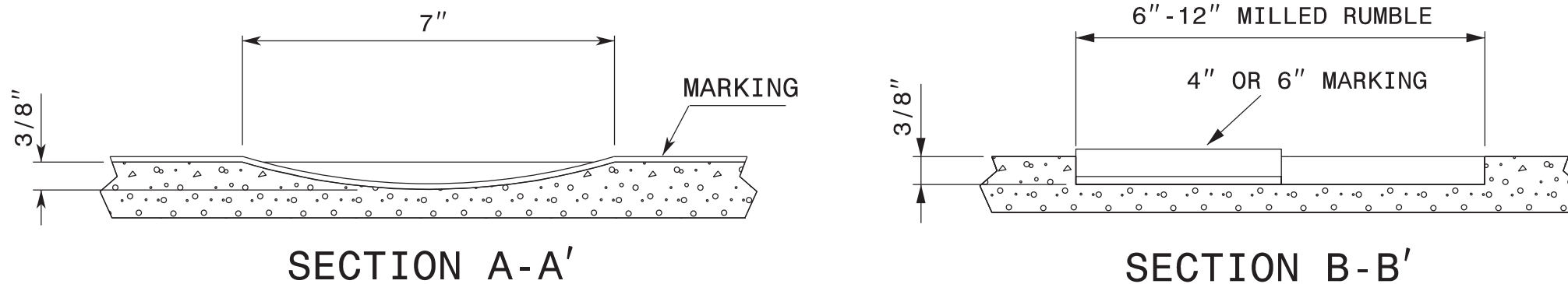
NOTES:

- 1) Specification 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 1 within Rumble Strip Policy for Design Guidance



MILLING DETAIL:



REFERENCE DRAWING ID: Trad.Stripe

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.

See Table 1 within Rumble Strip Policy for Design Guidance

PLAN VIEW

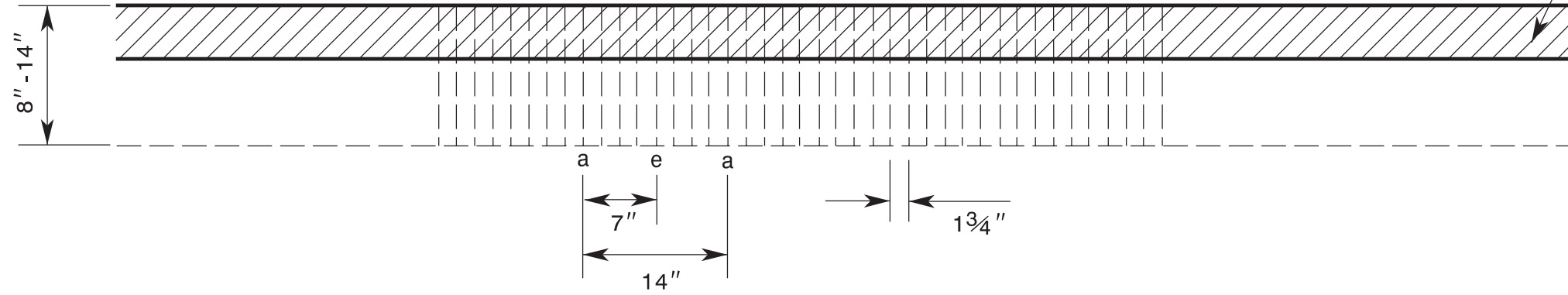
TRAVEL LANE(S)
ASPHALT ROADWAY

PAVEMENT MARKING MATERIAL

4" OR 6" EDGELINE PAVEMENT MARKING

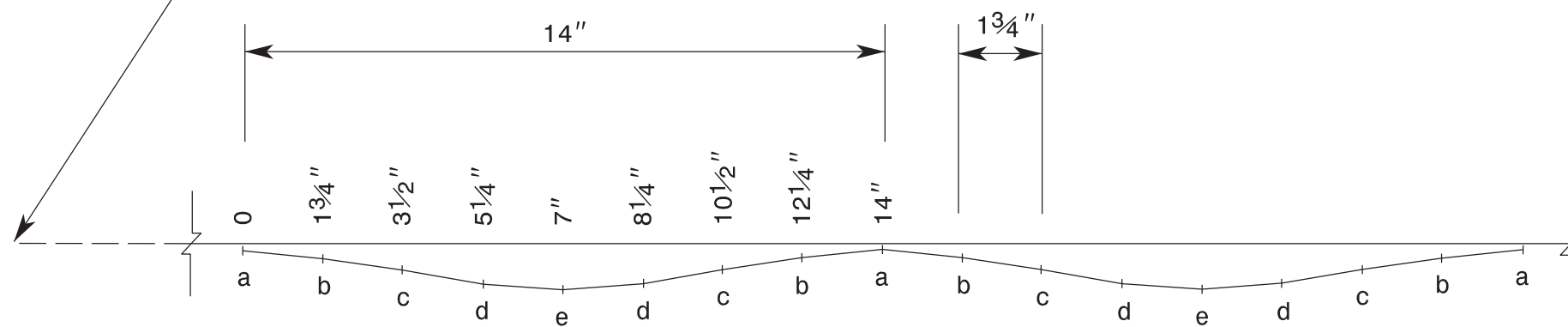
NOMINAL 2" MINIMUM

EDGE OF PAVEMENT



PROFILE VIEW

PAVEMENT SURFACE



LOCATION	DEPTH	
	MIL	INCHES
a	62.5	1/16"
b	125	1/8"
c	219	7/32"
d	344	11/32"
e	375	3/8"

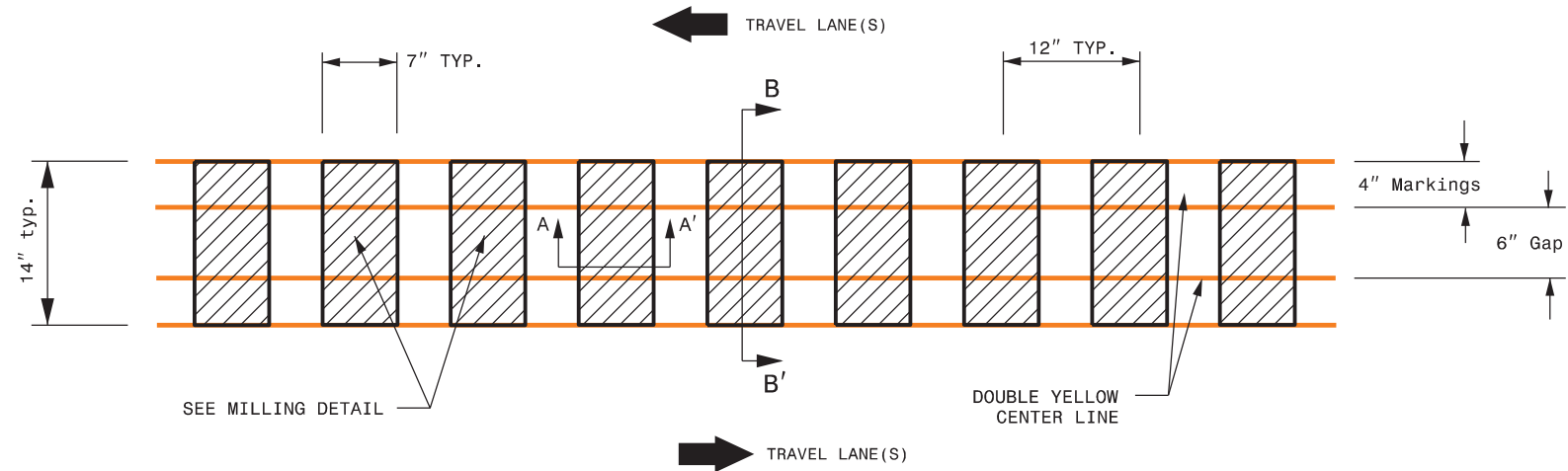
REFERENCE DRAWING ID: Sin.Stripe

NOTES:

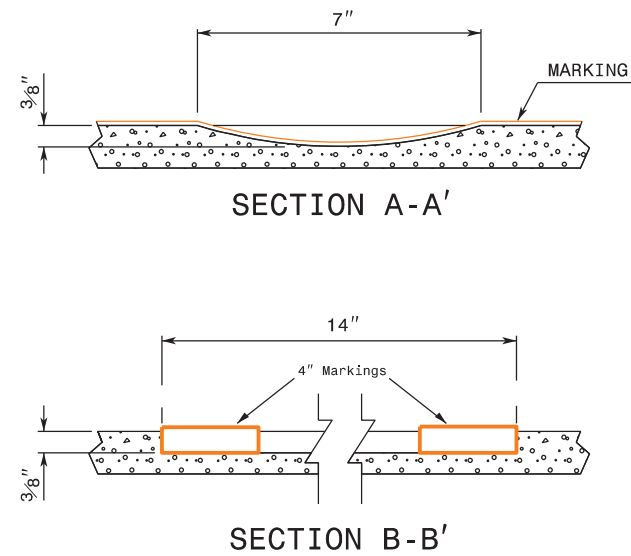
- 1) Specification in table taken from MNDOT Research Project Final Report 2016-23: *Sinusoidal Rumble Strip Design Optimization Study By: Terhaar et. al, June 2016*
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 3) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.

See Table 2 within Rumble Strip Policy for Design Guidance

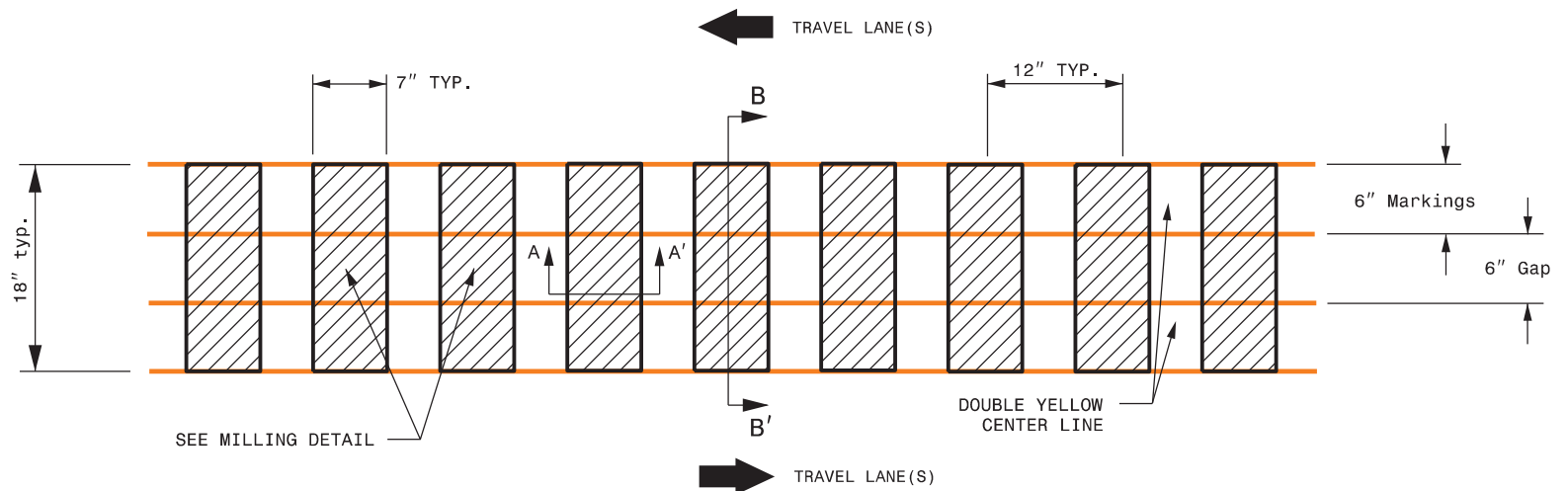
If 4" Markings will be used:



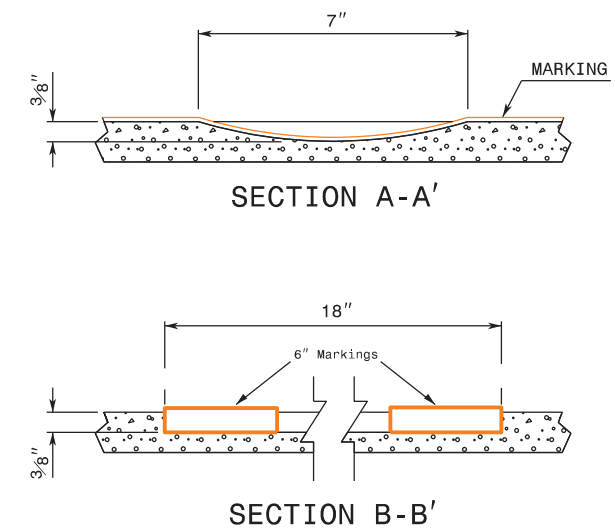
MILLING DETAIL - 4" Markings



If 6" Markings will be used:



MILLING DETAIL - 6" Markings

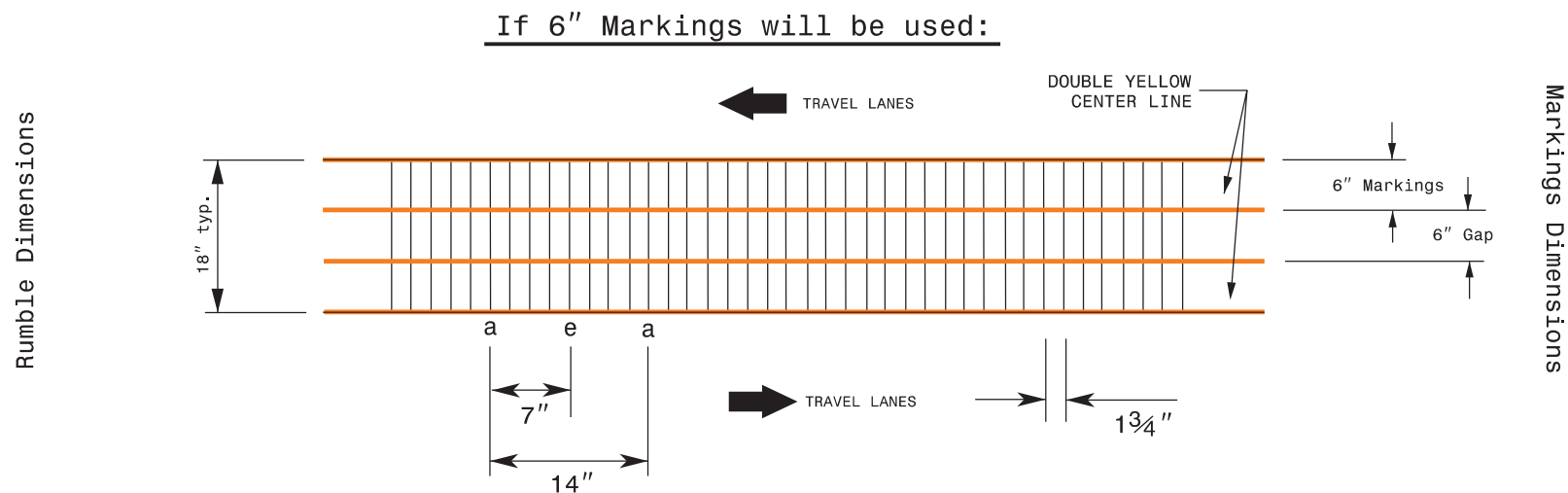
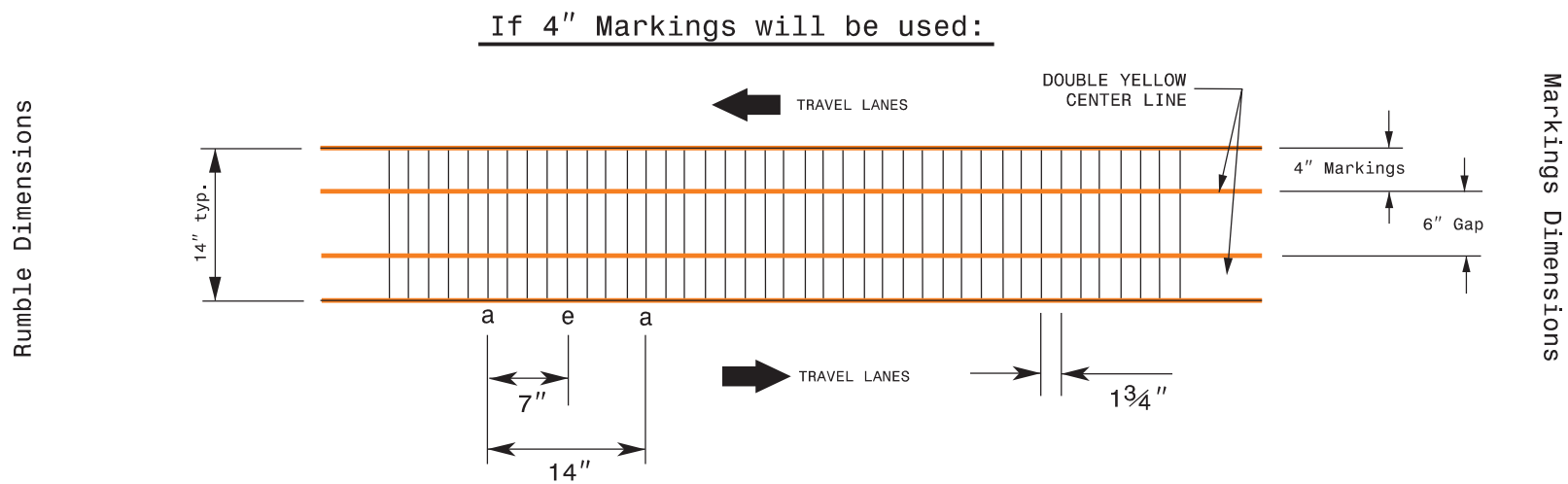


REFERENCE DRAWING ID: Trad.CL

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.

See Table 2 within Rumble Strip Policy for Design Guidance

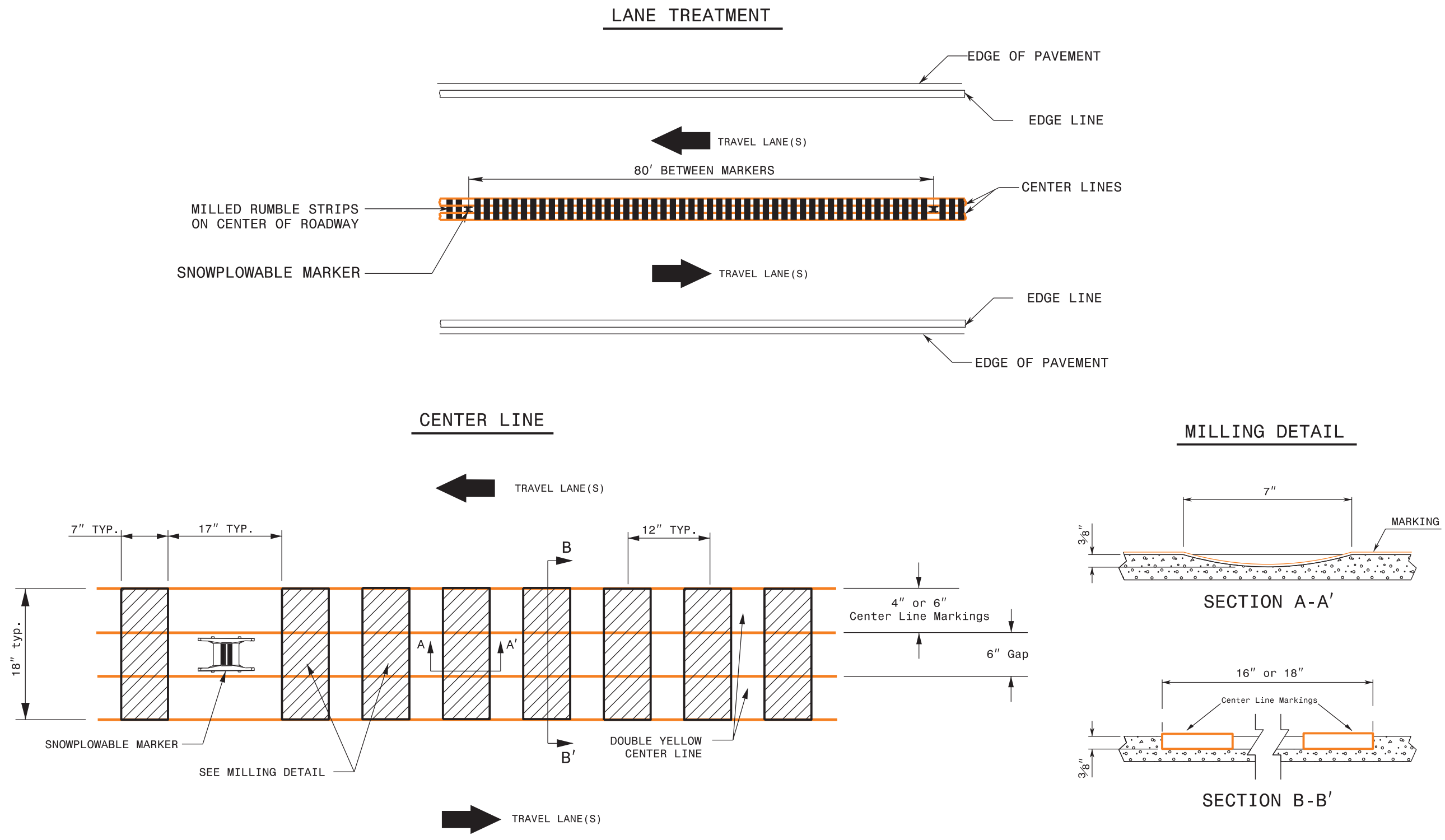


REFERENCE DRAWING ID: Sin.CL

NOTES:

- 1) Specification in table taken from MNDOT Research Project Final Report 2016-23: *Sinusoidal Rumble Strip Design Optimization Study By: Terhaar et. al. June 2016*
- 2) USING A VACUUM, REMOVE ALL DEBRIS FROM THE MILLINGS JUST PRIOR TO PLACING ANY PAVEMENT MARKINGS.
- 3) ENSURE GLASS BEADS ARE SPREAD UNIFORMLY OVER THE ENTIRE SURFACE OF THE PAVEMENT MARKING MATERIAL.

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.
2026CPT.10.02.10041	SOQ 1	
2026CPT.10.02.20041		

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	1220000000-E	1245000000-E	1260000000-E	1297000000-E	1330000000-E	1523000000-E	1524000000-E	1575000000-E	1704000000-E	1775000000-E	1838000000-E	1840000000-E	1840000000-E	1881000000-E	6071002000-E	6071010000-E	7444000000-E						
														INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	2" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5C	LEVELING COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, MATCOAT, #78M STONE	EMULSION FOR ASPHALT SURFACE TREATMENT	MILLED RUMBLE STRIPS (12" EDGELINE)	MILLED RUMBLE STRIPS (8" EDGELINE)	MILLED RUMBLE STRIPS (18" CENTERLINE)	FLOCCULANT	WATTLE	INDUCTIVE LOOP						
														MI	FT																					
														TONS	SMI	TON	SY	SY	TONS	TONS	TONS	TONS	TONS	TONS	LF	LF	LF	LB	LF	LF						
2026CPT.10.02.10041	Anson	1	NC-742 ROUTE ID 30000742004	FROM US 52 TO SR 1642 COPPEDGE EDDINS RD MP 12.92 TO MP 15.80	1,2	2	2WU	NO	NO	2.88	23	12.92	15.8	90	5.80	804		1,500	3,704	1,008	340	1,300				29,791	15,038	1	400							
TOTAL FOR MAP NO. 1														2.88		90		5.80	804		1,500	3,704	1,008	340	1,300			29,791	15,038	1	400					
2026CPT.10.02.10041	Anson	2	US-74 WB ROUTE ID 20600074004	FROM "FRESENIUS KIDNEY CARE" TO SR 1422 BOGGAN CUT RD MP 14.32 TO MP 15.93	3,4	2	MD	NO	NO	1.61	27	14.32	15.93	50	3.22	446		3,399	3,526	500	277	825	25,500	6,375	15,826			1	400							
TOTAL FOR MAP NO. 2														1.61		50		3.22	446		3,399	3,526	500	277	825	25,500	6,375	15,826			1	400				
2026CPT.10.02.10041	Anson	3	US-74 EB ROUTE ID 20000074004	FROM PVMT JOINT WEST OF SR 1403 PASSIAC ST TO PVMT JOINT WEST OF S MAIN ST MP 2.75 TO MP 6.25	5,6,7,8	2	MD	NO	NO	3.5	28	2.75	6.25	50	7.00	970	68,963		8,896		568	900			34,159				500	325						
TOTAL FOR MAP NO. 3														3.5		50		7.00	970	68,963		8,896		568	900			34,159				500	325			
TOTAL FOR PROJ NO. Primary 2026CPT.10.02.10041														7.99		190		16.02	2,220	68,963		4,899	16,126	1,508	1,185	3,025	25,500	6,375	49,985	29,791			15,038	2	1,300	325
2026CPT.10.02.20041	Anson	4	SR-1250 / POPLAR HILL CHURCH RD ROUTE ID 40001250004	FROM SR 1247 TARPIN TOWN RD TO SR 1246 MILLS RD MP 4.22 TO MP 2.72	1	2	2WU	NO	NO	1.5	19	2.72	4.22	25	3.00	416		318	1,585	400	151	700							200							
TOTAL FOR MAP NO. 4														1.5		25		3.00	416		318	1,585	400	151	700							200				
2026CPT.10.02.20041	Anson	5	SR-1138 / CAPEL DAIRY RD ROUTE ID 40001205004	FROM SR 1205 WHITE STORE RD TO NC 109 SOUTH MP 0.02 TO MP 0.67	1	2	2WU	NO	NO	0.65	20	0.02	0.67	50	1.30	180		333	819	225	81	395														
TOTAL FOR MAP NO. 5														0.65		50		1.30	180		333	819	225	81	395											
TOTAL FOR PROJ NO. 2026CPT.10.02.20041														2.15		75		4.30	596		651	2,404	625	232	1,095									200		
GRAND TOTAL														10.14		265		20.32	2,816	68,963		5,550	18,530	2,133	1,417	4,120	25,500	6,375	49,985	29,791			15,038	2	1,500	325

PROJECT NO.	SHEET NO.	TOTAL NO.
2026CPT.10.02.10041		
2026CPT.10.02.20041	SOQ 2	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANE S	LAN E TYPE	LENGTH	WIDTH	BEGIN MP	END MP	4413000000-E	4457000000-N	4688000000-E	4700000000-E	4709000000-E	4720000000-E	4725000000-E				4810000000-E		4905100000-N			
												WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	12" X 90 M WHITE THERMO	12" X 90 M YELLOW THERMO	24" X 90 M WHITE THERMO MARKING	THERMO MSG SCHOOL 90 M	THERMO "U" TURN ARROW 90 M	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO STR ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	
												SF	LS	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	EA		
2026CPT.10.02.10041	Anson	1	NC-742 ROUTE ID 30000742004	FROM US 52 TO SR 1642 COPPEDGE EDDINS RD MP 12.92 TO MP 15.80	1,2	2	2WU	2.88	23	12.92	15.8	323	0.20	30,436	25,085										190		
TOTAL FOR MAP NO. 1												323	0.20	30,436	25,085												190
2026CPT.10.02.10041	Anson	2	US-74 WB ROUTE ID 20600074004	FROM "FRESENIUS KIDNEY CARE" TO SR 1422 BOGGAN CUT RD MP 14.32 TO MP 15.93	3,4	2	MD	1.61	27	14.32	15.93	126	0.20	11,500	8,501	300				8	3	2			156		
TOTAL FOR MAP NO. 2												126	0.20	11,500	8,501	300				8	3	2					156
2026CPT.10.02.10041	Anson	3	US-74 EB ROUTE ID 20000074004	FROM PVMT JOINT WEST OF SR 1403 PASSIAC ST TO PVMT JOINT WEST OF S MAIN ST MP 2.75 TO MP 6.25	5,6,7,8	2	MD	3.5	28	2.75	6.25	126	0.30	21,300	18,480	2,410	90	130	6	3	18	3	20		445		
TOTAL FOR MAP NO. 3												126	0.30	21,300	18,480	2,410	90	130	6	3	18	3	20				445
TOTAL FOR PROJ NO. Primary 2026CPT.10.02.10041												575	0.70	63,236	52,066	2,710	90	130	6	3	26	6	22				791
												115,302		2,800		57											
2026CPT.10.02.20041	Anson	4	SR-1250 / POPLAR HILL CHURCH RD ROUTE ID 40001250004	FROM SR 1247 TARPIN TOWN RD TO SR 1246 MILLS RD MP 4.22 TO MP 2.72	1	2	2WU	1.5	19	2.72	4.22	168	0.20											31,680			
TOTAL FOR MAP NO. 4												168	0.20														31,680
2026CPT.10.02.20041	Anson	5	SR-1138 / CAPEL DAIRY RD ROUTE ID 40001205004	FROM SR 1205 WHITE STORE RD TO NC 109 SOUTH MP 0.02 TO MP 0.67	1	2	2WU	0.65	20	0.02	0.67	73	0.10											13,820			
TOTAL FOR MAP NO. 5												73	0.100														13,820
TOTAL FOR PROJ NO. 2026CPT.10.02.20041												241	0.300														45,500
												91,000															