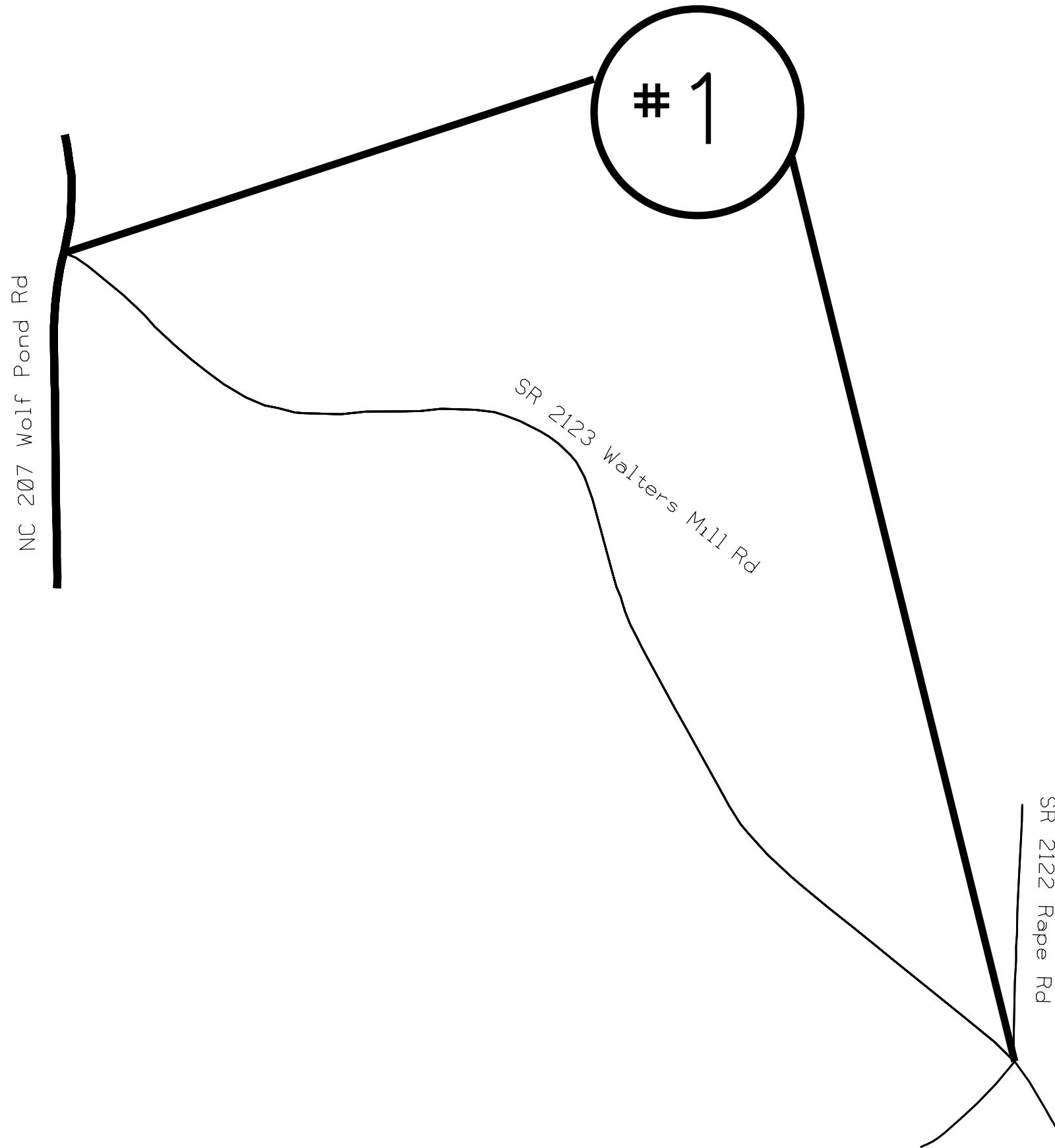


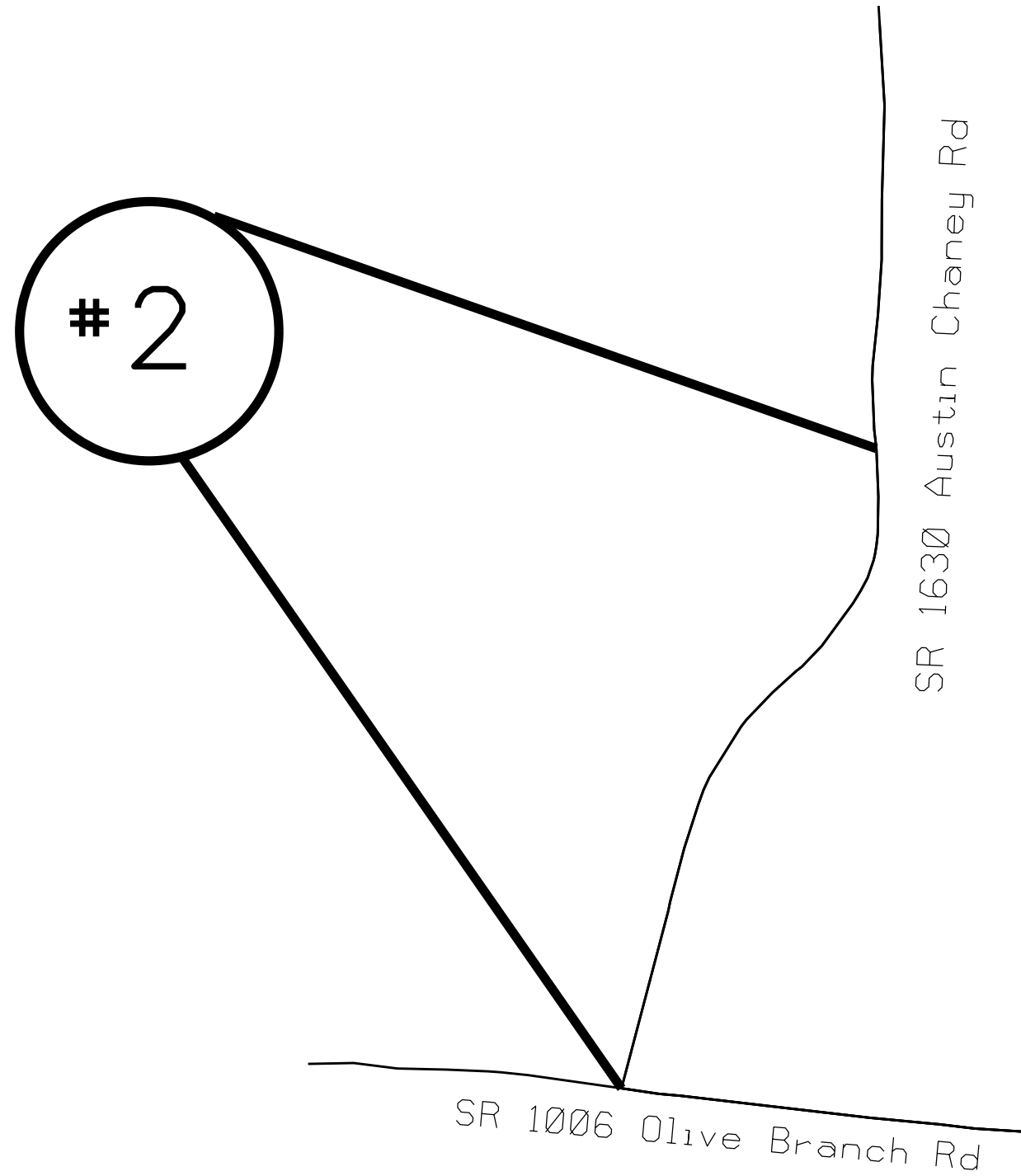
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	1	
F.A. PROJECT NO.			



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

MAP #1 SR 2123 WALTERS MILL RD
1.71 MILES
FROM SR 2122 RAPE RD
TO NC 207 (WOLF POND RD)

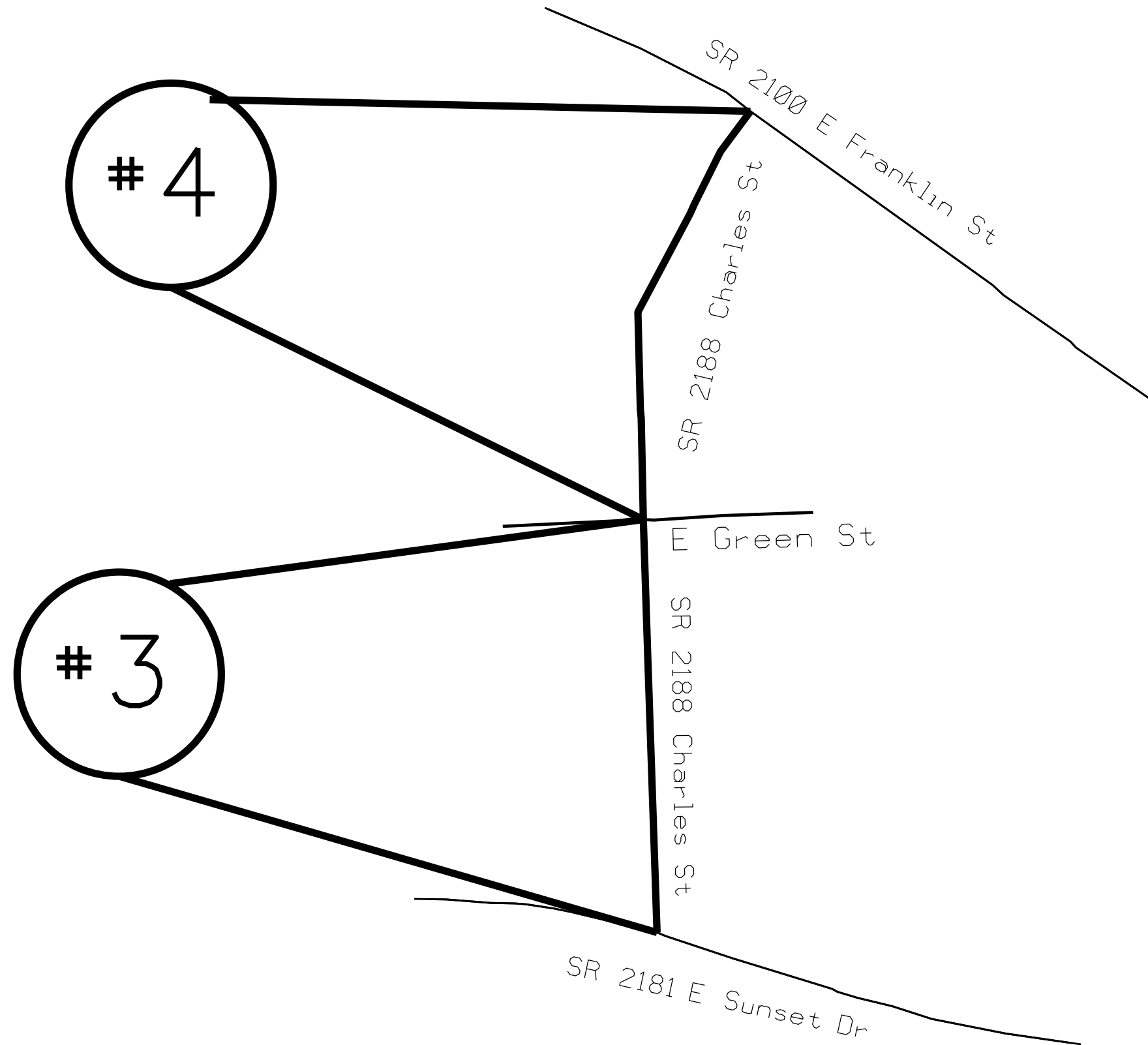
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	2	
F.A. PROJECT NO.			



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

**MAP #2 SR 1630 AUSTIN CHANEY RD
 0.60 MILES
 FROM SR 1006 OLIVE BRANCH RD
 PAST UNION COUNTY LANDFILL**

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	3	
F.A. PROJECT NO.			

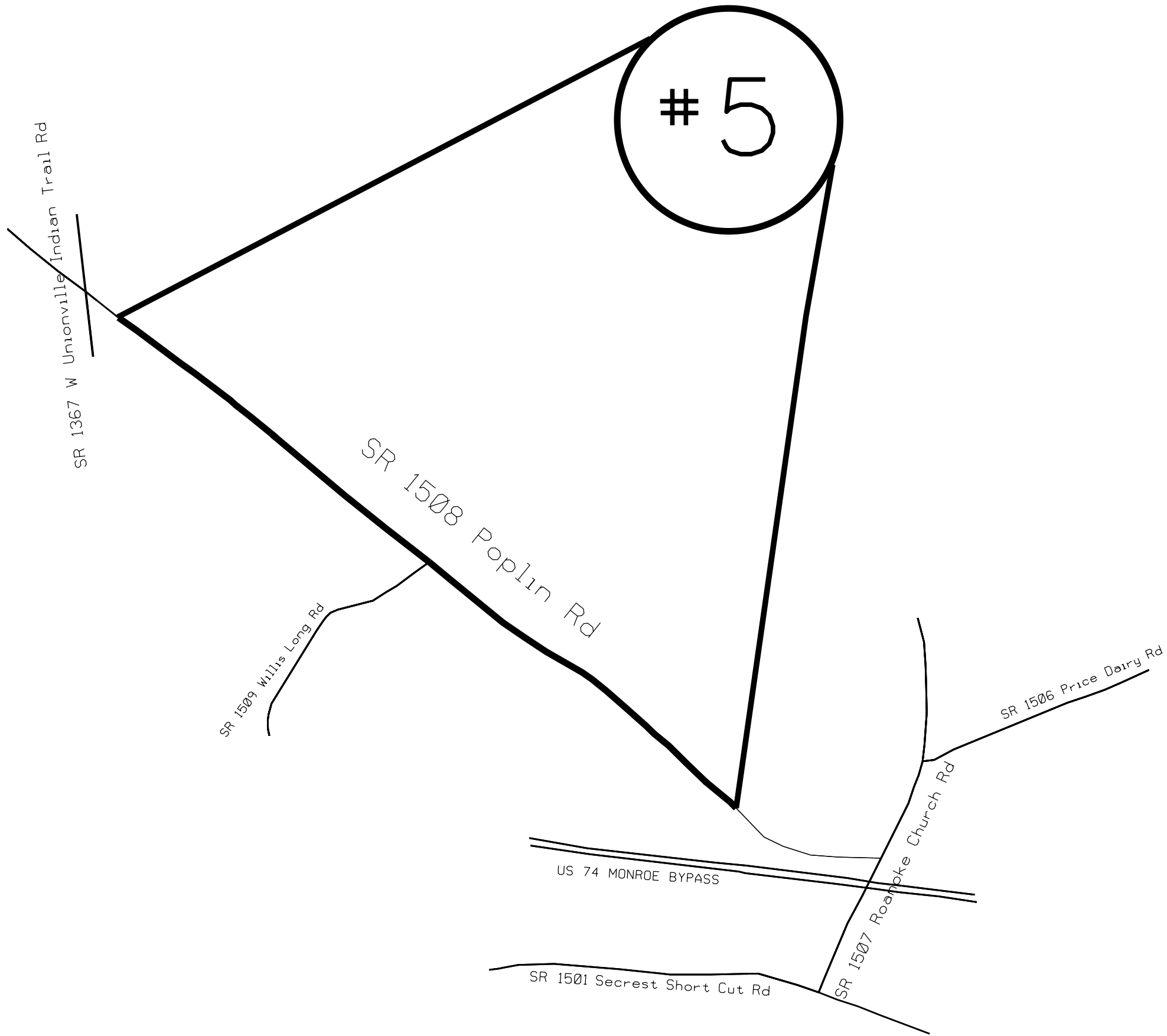


ENLARGED MUNICIPAL AND SUBURBAN AREAS
UNION COUNTY
 NORTH CAROLINA
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #3 SR 2188 CHARLES ST
0.28 MILES
FROM SR 2181 E SUNSET DR TO
E GREEN ST

MAP #4 SR 2188 CHARLES ST
0.30 MILES
FROM E GREEN ST TO
SR 2100 E FRANKLIN ST

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	4	
F.A. PROJECT NO.			



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

MAP #5 SR 1508 POPLIN RD
1.9 MILES
FROM SR 1507 ROANOKE CHRUCH RD TO
SR 1367 W UNIONVILLE INDIAN TRAIL RD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	5	
F.A. PROJECT NO.			

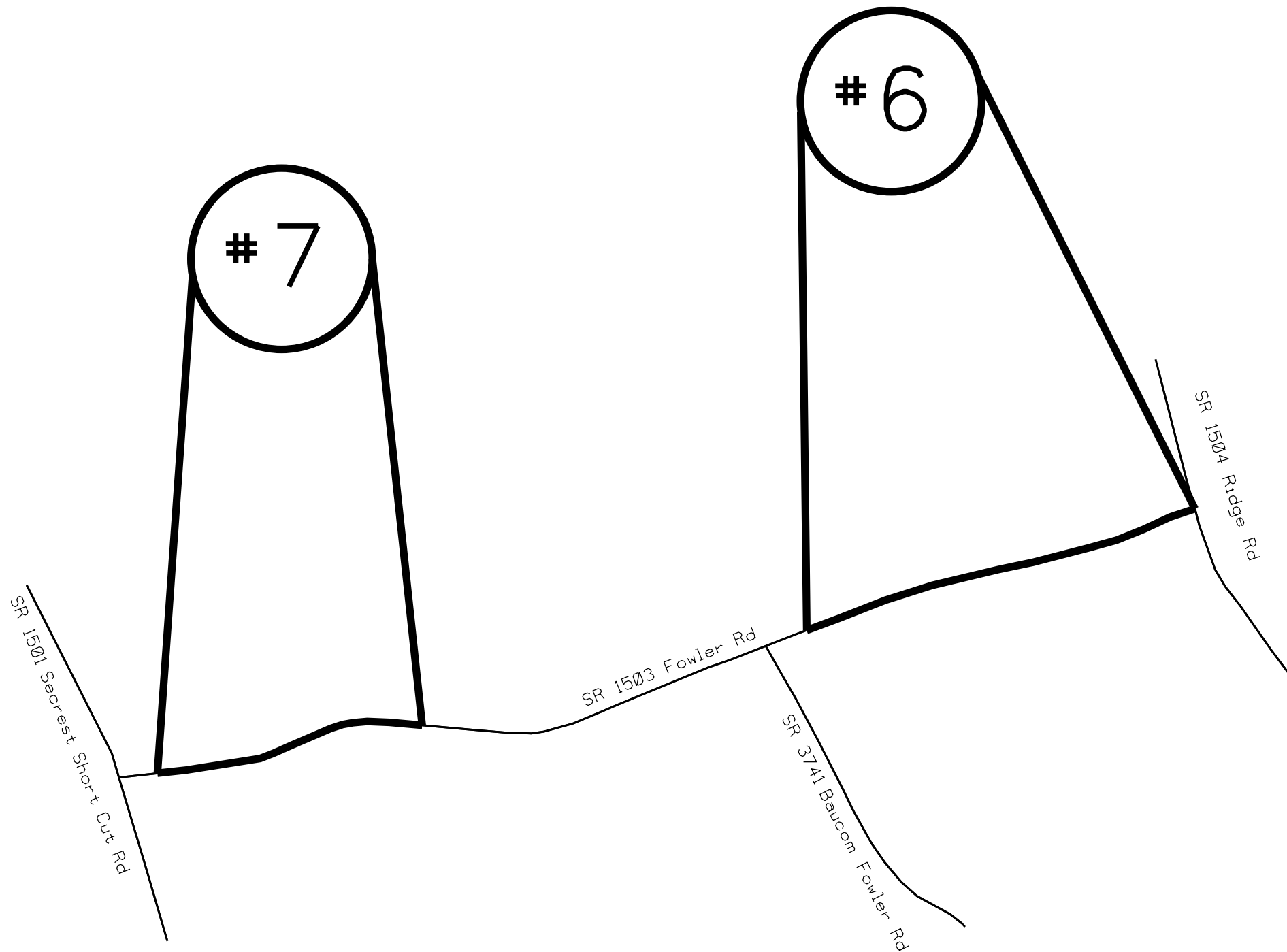


ENLARGED MUNICIPAL AND SUBURBAN AREAS
UNION COUNTY
 NORTH CAROLINA

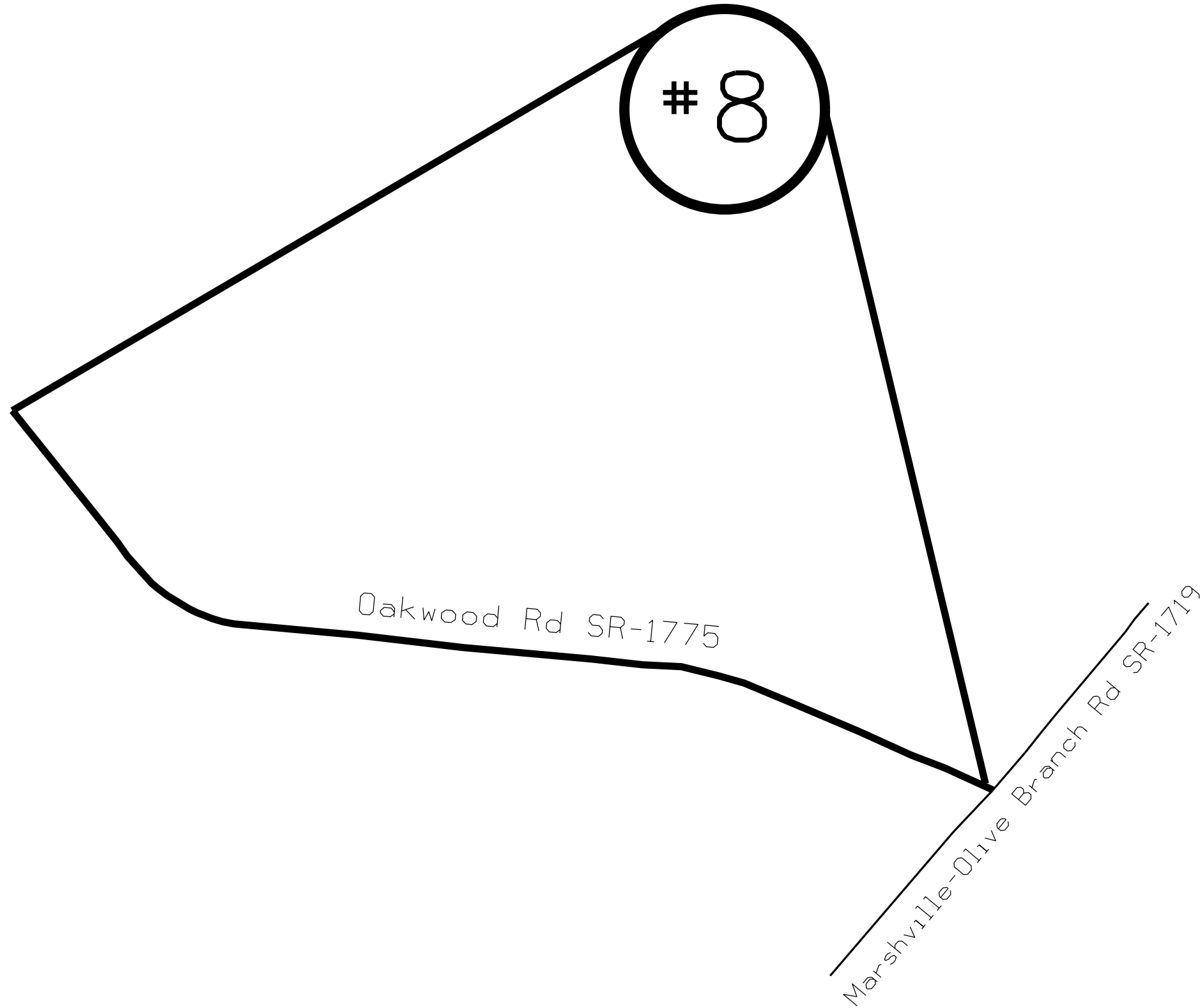
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #6 SR 1503 FOWLER RD
0.42 MILES
FROM SR 3741 BAUCOM FOWLER RD
TO SR 1504 RIDGE RD

MAP #7 SR 1503 FOWLER RD
0.22 MILES
FROM PMVT JOINT SR 1501 SEACREAST SHORTCUT RD
TO PMVT JOINT EAST OF PUMPKIN PACTH AVE



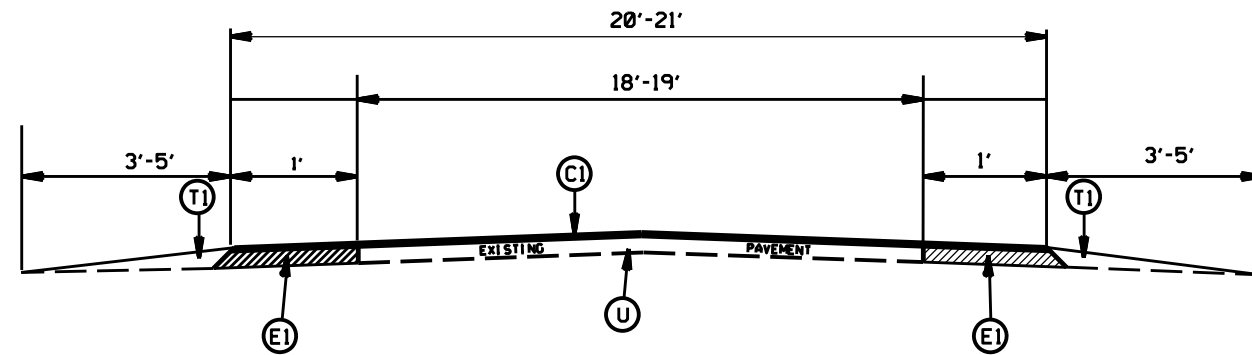
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	6	
F.A. PROJECT NO.			



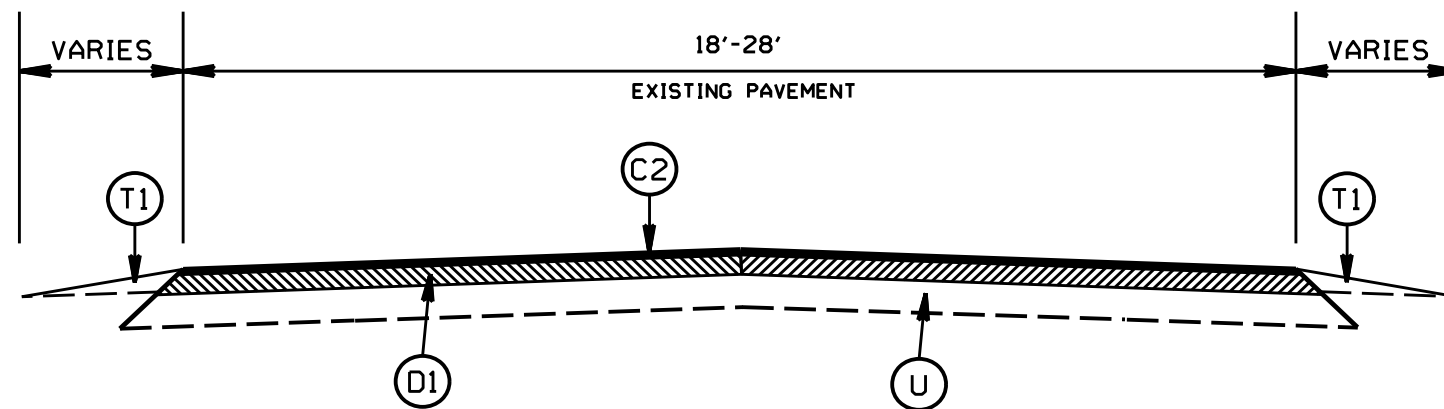
ENLARGED MUNICIPAL AND SUBURBAN AREAS
UNION COUNTY
 NORTH CAROLINA
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

**MAP #8 SR 1775 OAKWOOD RD
 0.66 MILES
 FROM SR 1719 MARSHVILLE-OLIVE BRANCH RD
 TO END OF MAINTENANCE**

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	7	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 1
 SR 2123 WALTERS MILL RD (MAP 1)
 SR 1508 POPLIN RD (MAP 5)
 APPROX. STA. 10+00 TO 94+32
 APPROX. STA. 106+97 TO 110+32
 SR 1503 FOWLER RD (MAP 6 & 7)



TYPICAL SECTION NO. 2
 SR 1630 AUSTIN CHANEY (MAP 3)

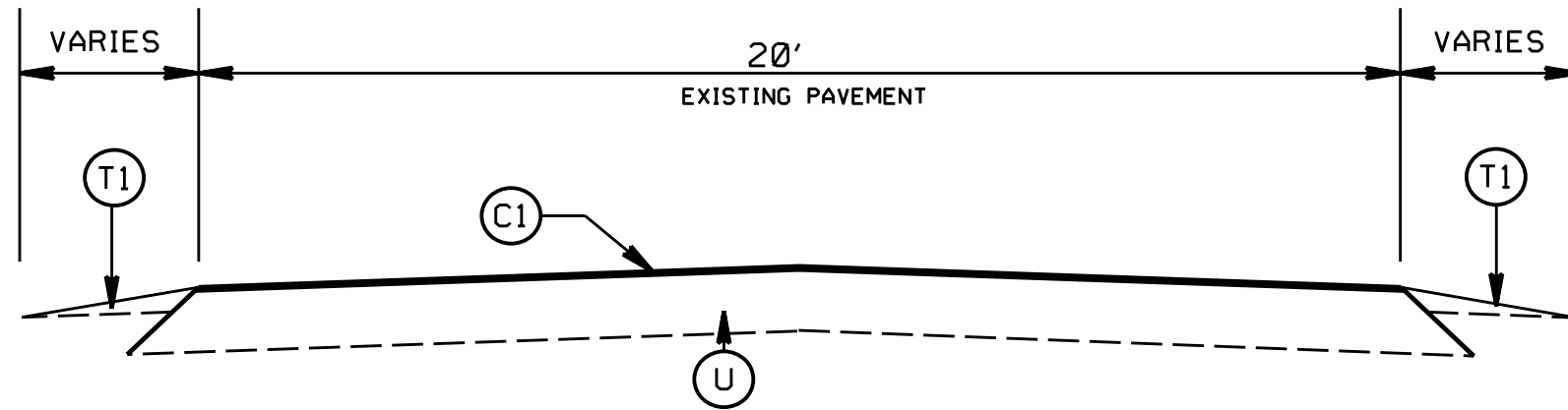
PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(F1)	PROP. ASPHALT SURFACE TREATMENT, MAT COAT, 78M STONE (SEE S.P. FOR AGGREGATE TYPE)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(Z)	FULL DEPTH RECLAMATION

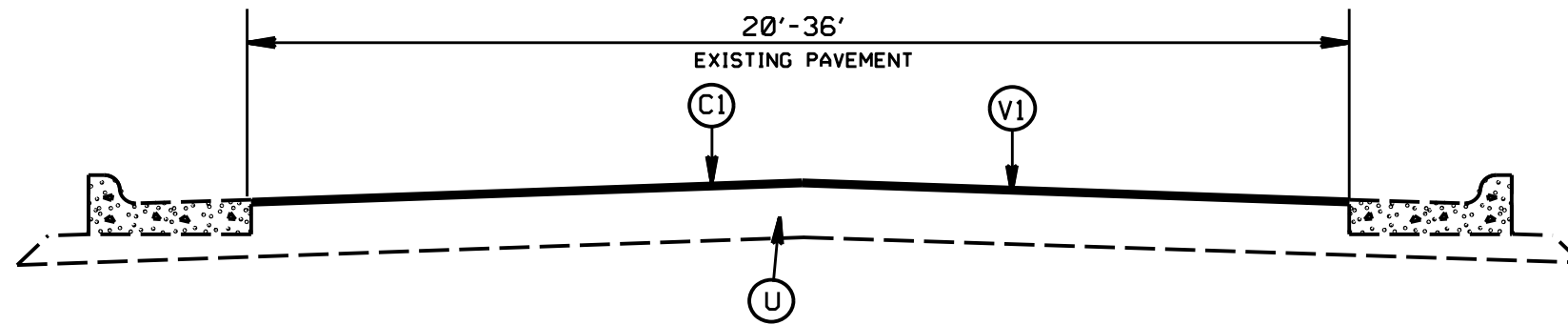
2024-2025
 UNION COUNTY RESURFACING

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

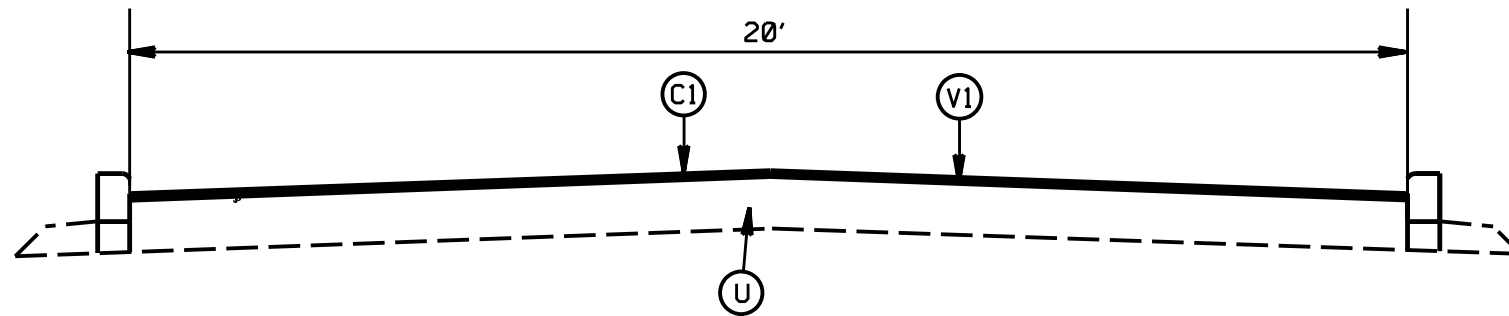
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024 CPT.10.15.20901 2024 CPT.10.15.20902	8	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 3
SR 2188 CHARLES ST (MAP 3)




TYPICAL SECTION NO. 4
SR 2188 CHARLES ST (MAP 4)
APPROX. STA. 10+00 TO 18+10
APPROX. STA. 23+42 TO 25+84



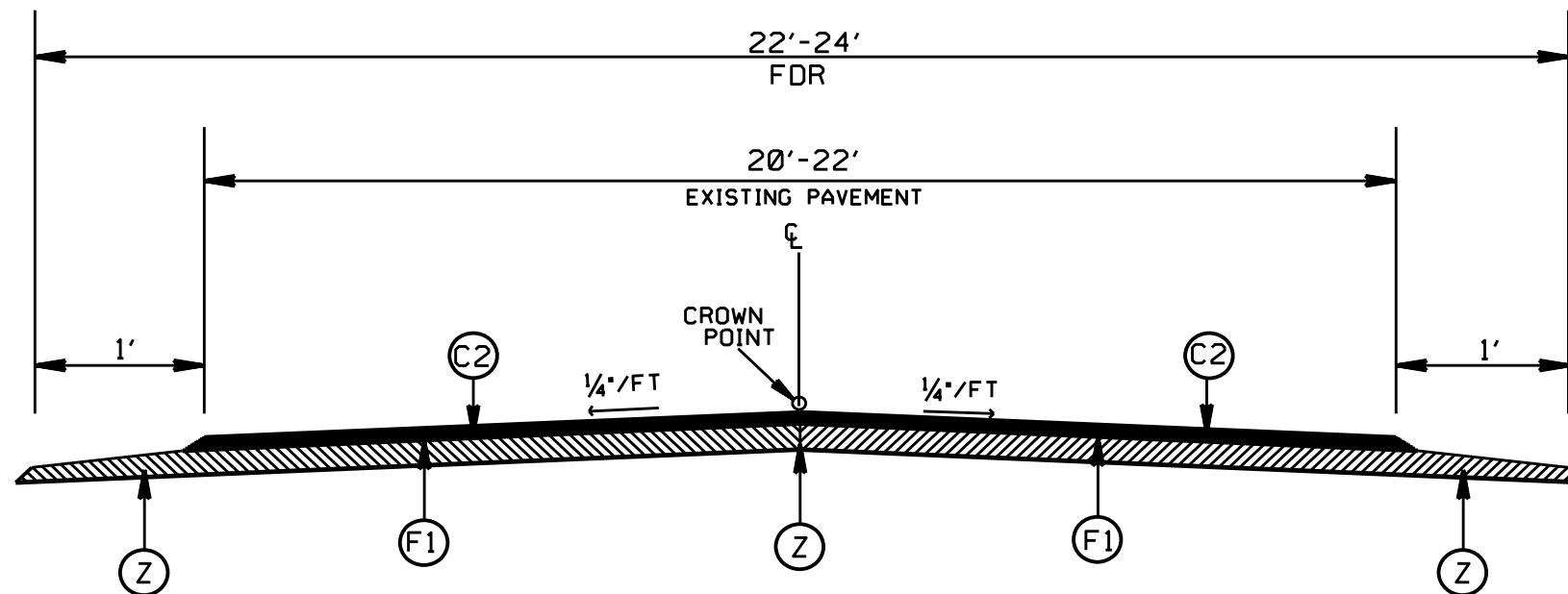
TYPICAL SECTION NO. 5
SR 2188 CHARLES ST (MAP 4)
APPROX. STA. 18+10 TO 23+42

PAVEMENT SCHEDULE

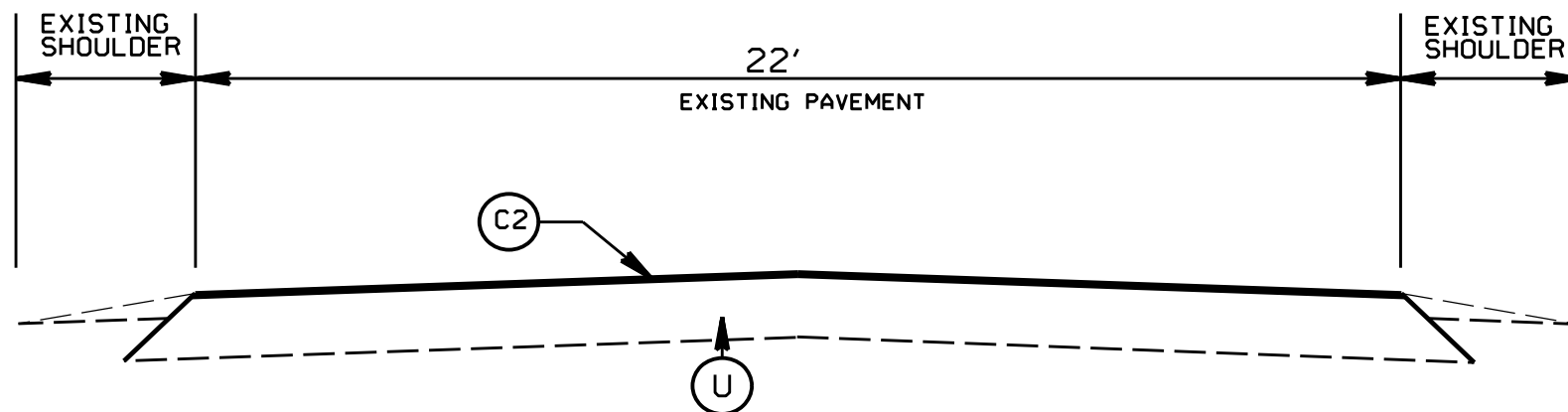
(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(F1)	PROP. ASPHALT SURFACE TREATMENT, MAT COAT, 78M STONE (SEE S.P. FOR AGGREGATE TYPE)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 1.5' DEPTH.
(Z)	FULL DEPTH RECLAMATION

2024-2025 UNION COUNTY RESURFACING			
SCALE	NA		REVISIONS
DATE	1/20		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	9	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 6
SR 1775 OAKWOOD RD (MAP 8)
APPROX. STA: 10+00 TO 34+82



TYPICAL SECTION NO. 7
SR 1775 OAKWOOD RD (MAP 8)
APPROX. STA: 34+82 TO 45+90

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(F1)	PROP. ASPHALT SURFACE TREATMENT, MAT COAT, 78M STONE (SEE S.P. FOR AGGREGATE TYPE)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(Z)	FULL DEPTH RECLAMATION

2024-2025
UNION COUNTY RESURFACING

SCALE	NA		REVISIONS
DATE	11/23		
DWG. BY	AJB		
DESIGN BY	AJB		
APPROVED	CLA		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	10	
F.A. PROJECT NO.			

NOTES:


1. DEPTH OF PATCHING WILL BE AS DIRECTED BY THE ENGINEER.

2. SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

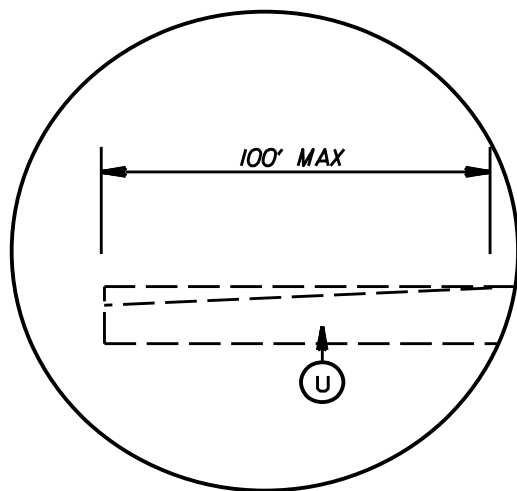
3. NO TREATMENT FOR THE SECTION OF SR-1508 POPLIN RD (MAP 5) APPROX. STA. 94+32 TO 106+97 SEE TYPICAL #1. PRIVATE DEVELOPMENT IS CONSTRUCTING ROAD IMPROVEMENTS (WIDENING, OVERLAY, AND PVMT MARKINGS).

4. COVER THE FDR ON OAKWOOD RD SR-1775 (MAP 8) WITH MAT COAT TO PROTECT THE FDR DURING CURING PERIOD, SEE TYPICAL #6.

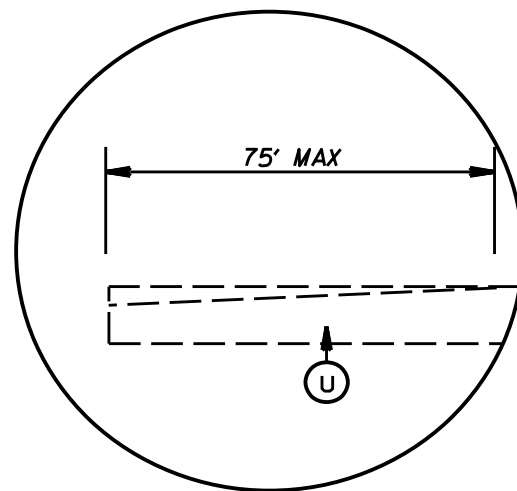
5. PLACE ASPHALT OVERLAY ON SR-1775 OAKWOOD RD (MAP 8) IMMEDIATELY AFTER FDR CURING REQUIREMENTS ARE ACCEPTED, SEE TYPICAL #6 AND TYPEICAL #7. PLACE ASPHALT OVERLAY IN A CONTINUOUS OPERATION ONCE PAVING BEGINS ON MAP 8 UNTIL THE OVERLAY IS COMPLETE.

2024 UNION COUNTY RESURFACING			
SCALE	-NA-		REVISIONS
DATE	01/20		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA		

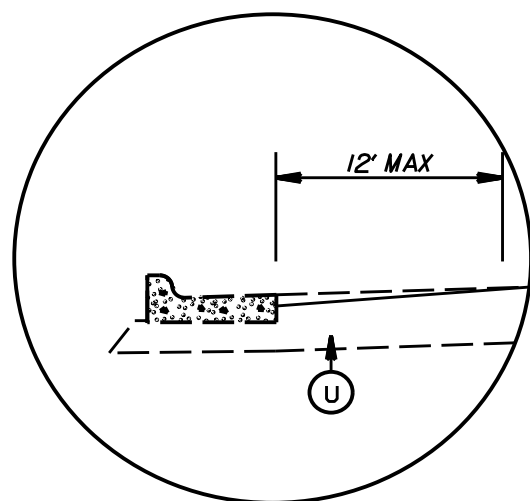
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	11	
F.A. PROJECT NO.			



DETAIL FOR INCIDENTAL MILLING (0" TO 2.0")



DETAIL FOR INCIDENTAL MILLING (0" TO 1.5")

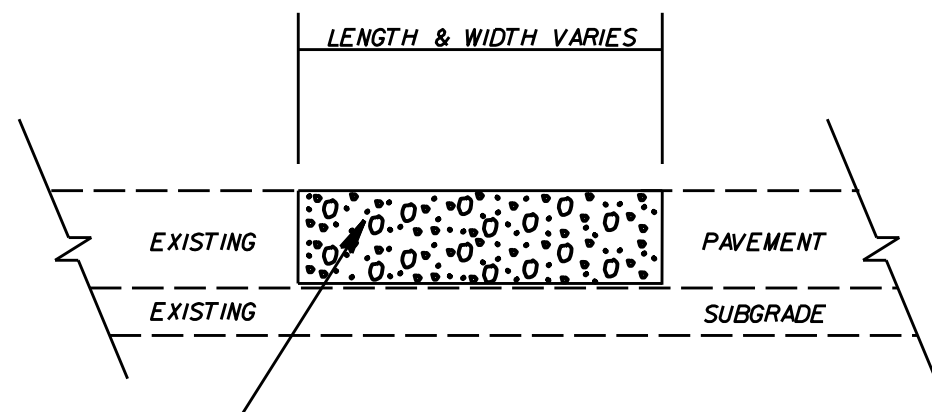


DETAIL FOR PROFILE MILLING

PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	PRIME COAT
(D1)	PROP. APPROX. 2.5" ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(E1)	PROP. APPROX. 5.0" ASPHALT CONC. BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(Z)	FULL DEPTH RECLAMATION

PATCHING DETAIL



RATE IS VARIABLE AND SHALL BE AS DIRECTED BY THE ENGINEER. ASPHALT TYPE I19.0C SHALL BE PLACED.

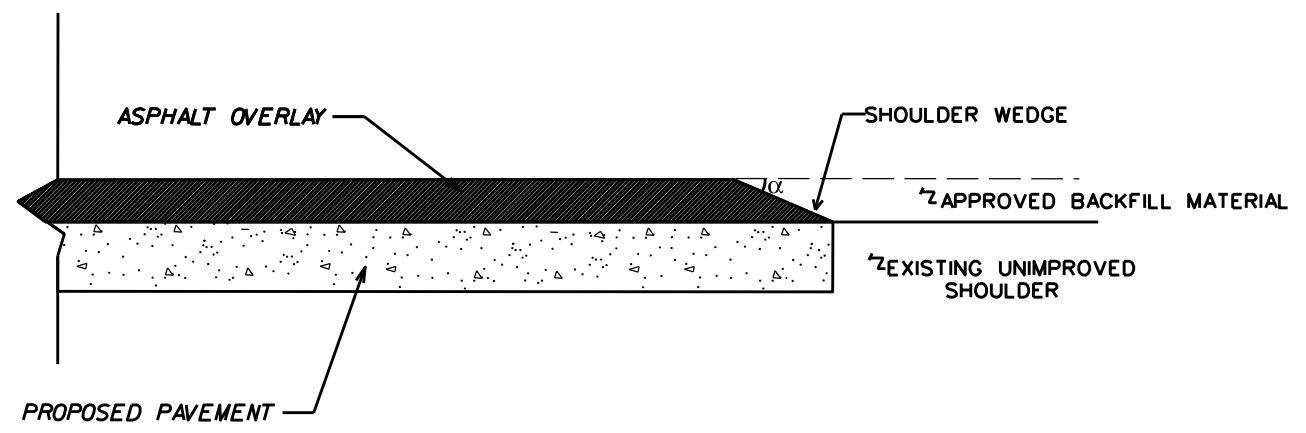
2024
UNION COUNTY RESURFACING

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

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	12	
F.A. PROJECT NO.			

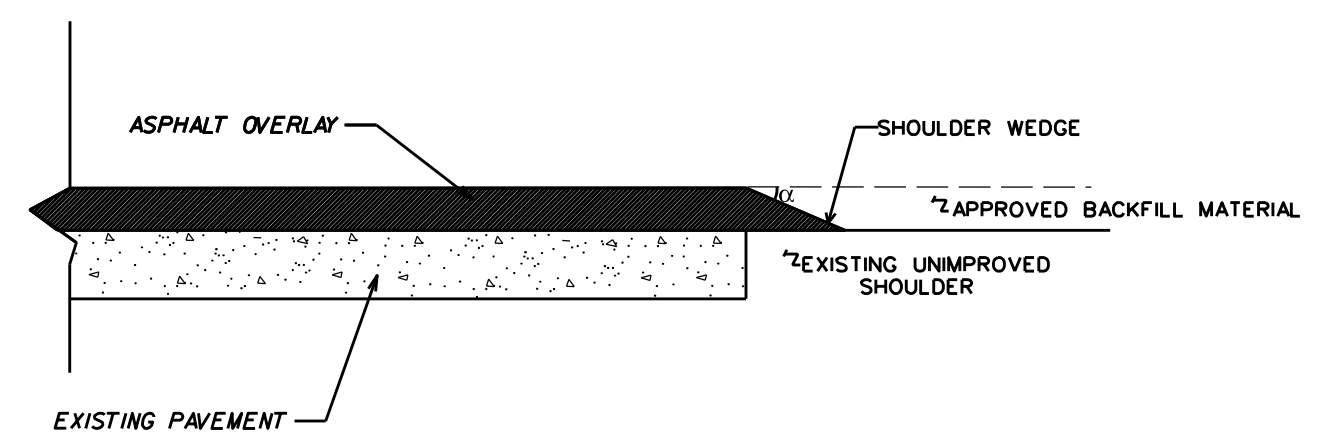
NOTES:

- 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.



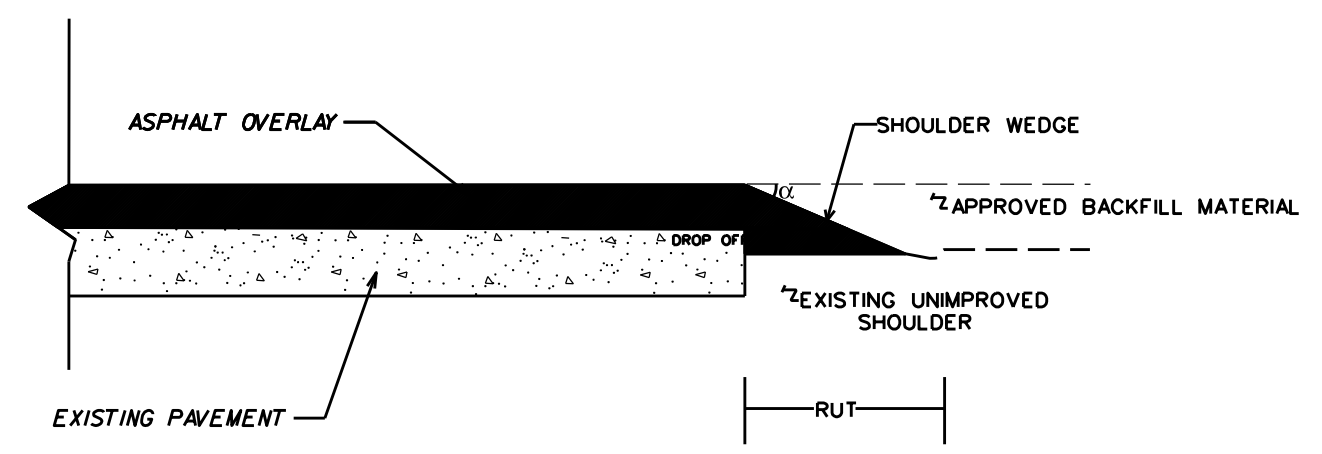
SHOULDER WEDGE DETAIL

(RESURFACING PROJECTS W/ WIDENING OR WITH EXISTING PAVED SHOILDER HAVING NO DROPOFFS)




SHOULDER WEDGE DETAIL

(RESURFACING PROJECTS W/ NO WIDENING)



SHOULDER WEDGE DETAIL
(RESURFACING ADJACENT TO RUTTED SHOULDER)

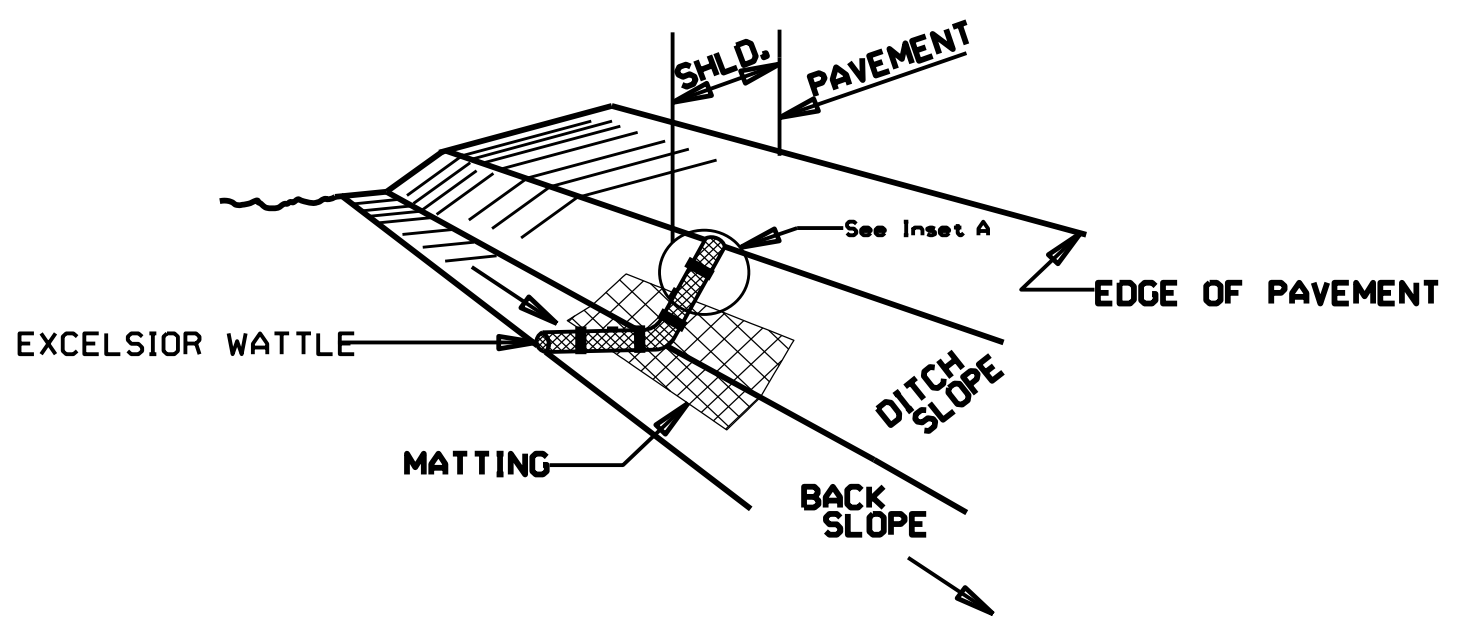
$\alpha = 30$ DEGREES

<i>SHOULDER WEDGE DETAILS</i>		
SCALE	-NA-	
DATE	08/18	
DWG. BY	AMO	
DESIGN BY	AMO	
APPROVED	CLA	
		REVISIONS

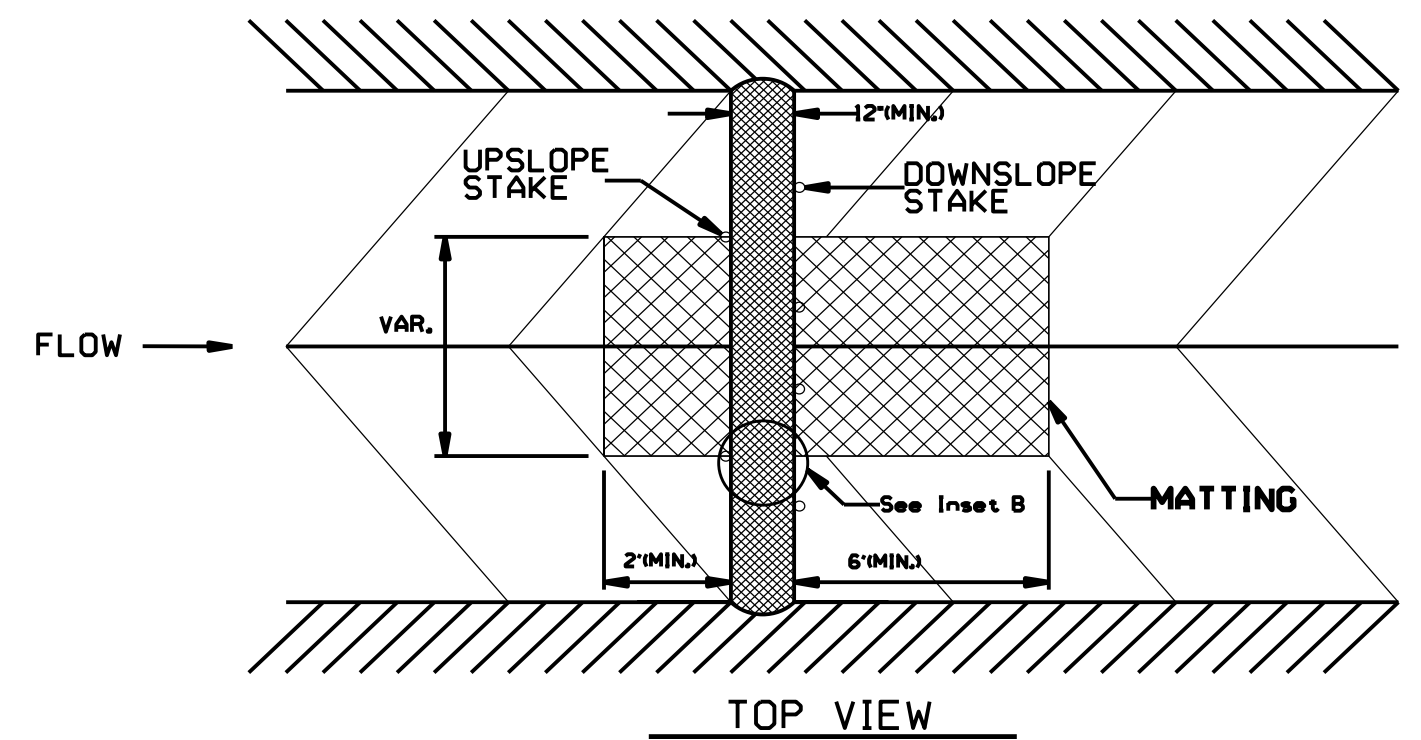
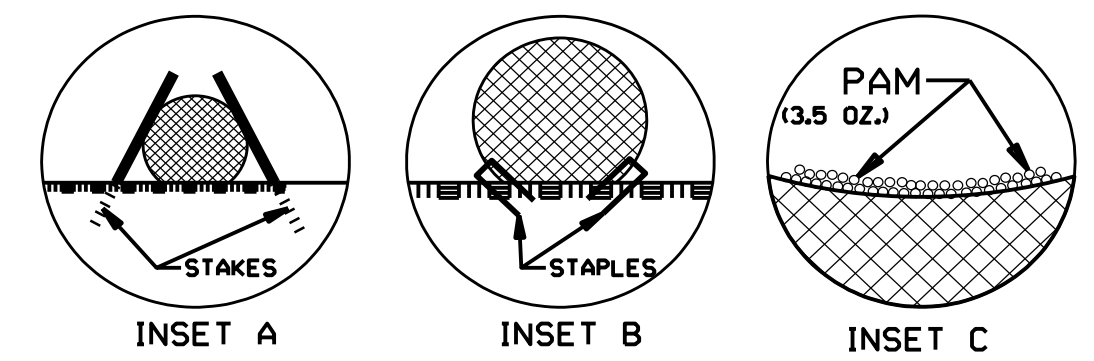
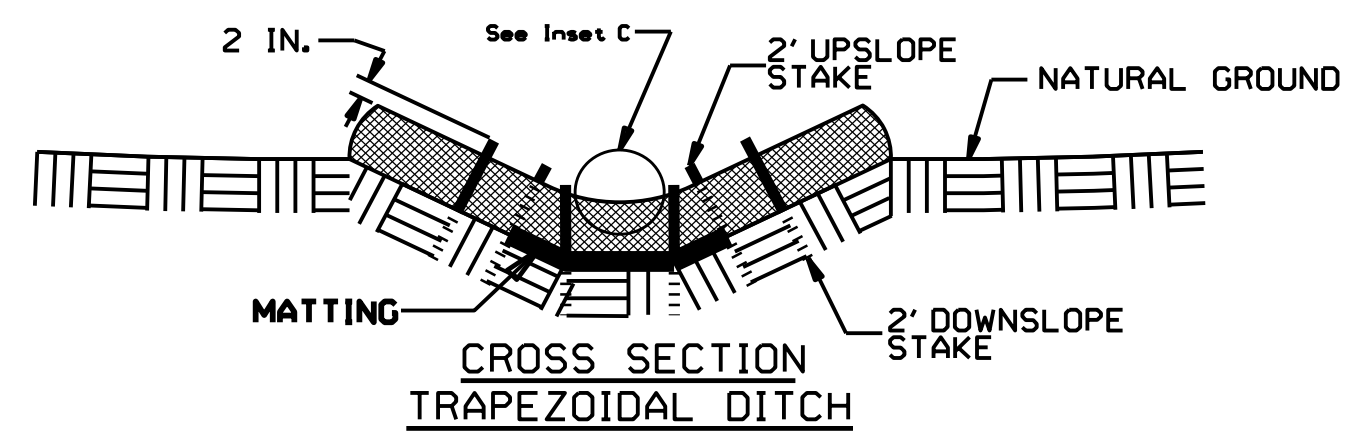
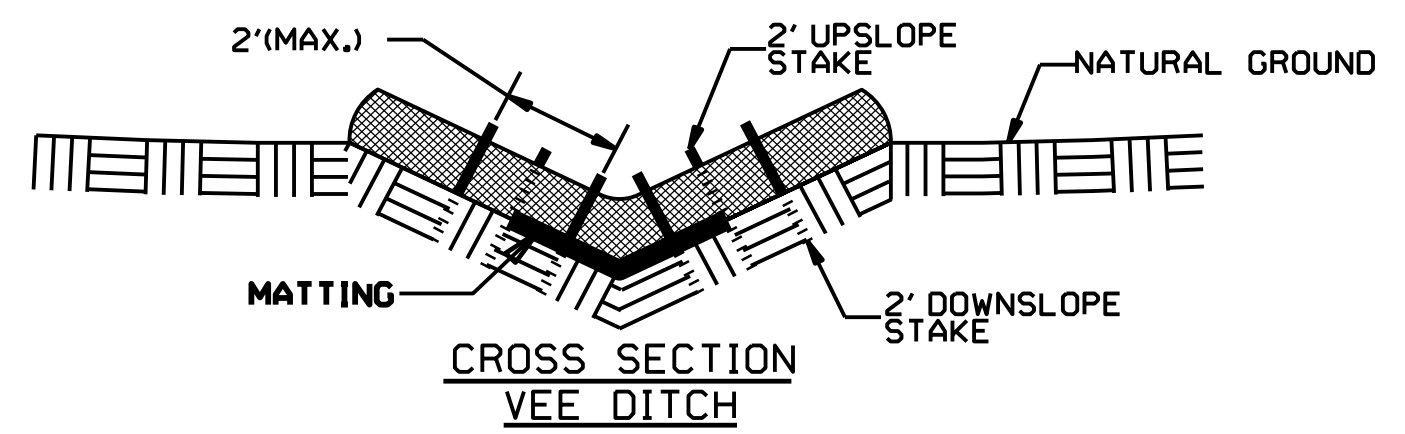
WATTLE WITH POLYACRYLAMIDE DETAIL

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.

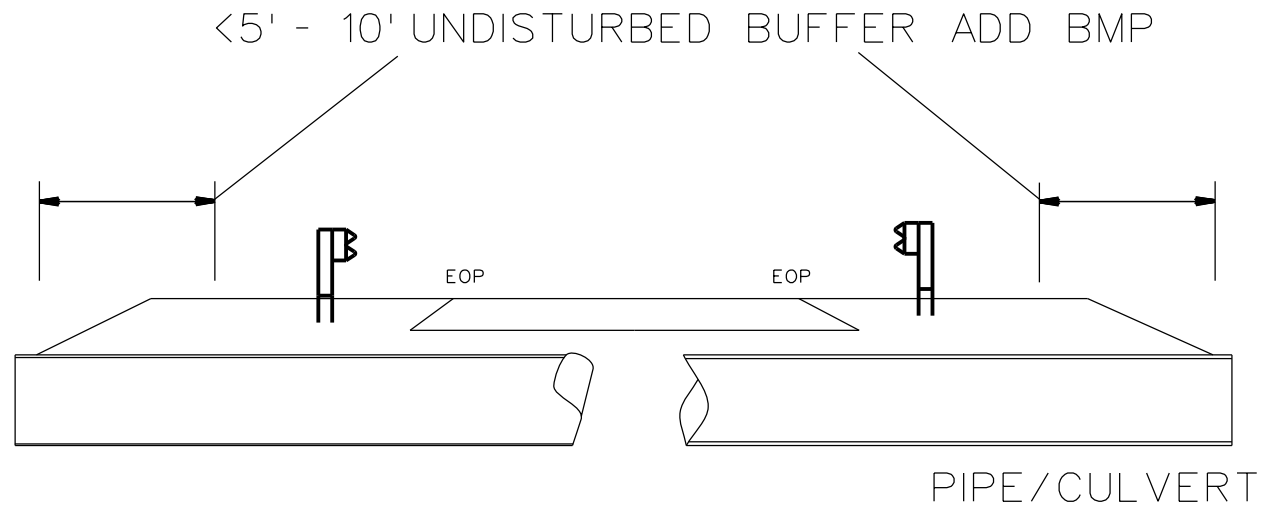


ISOMETRIC VIEW



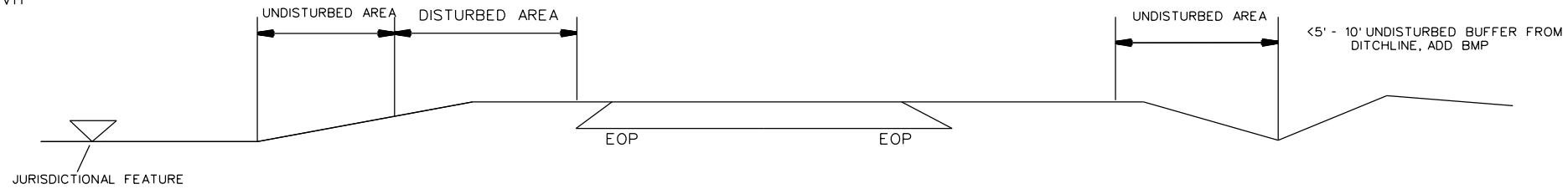
NOTES: LESS THAN 5' - 10' UNDISTURBED BUFFER FROM ROW, DITCHLINE, WATER FEATURE, OR DRAINAGE INLET, ADD BMP.

BMP OPTIONS: WATTLE OR SILT FENCE

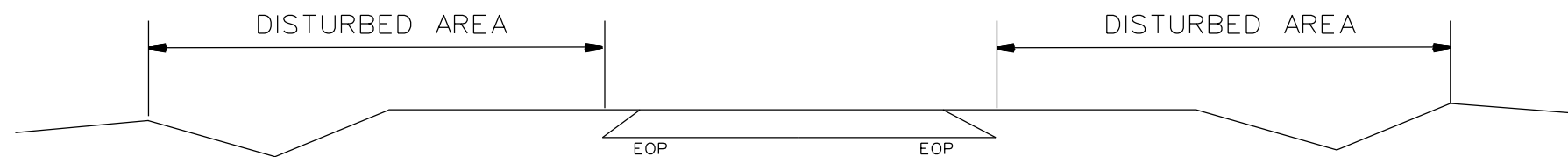


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.15.20901 2024CPT.10.15.20902	EC2	
F.A. PROJECT NO.			

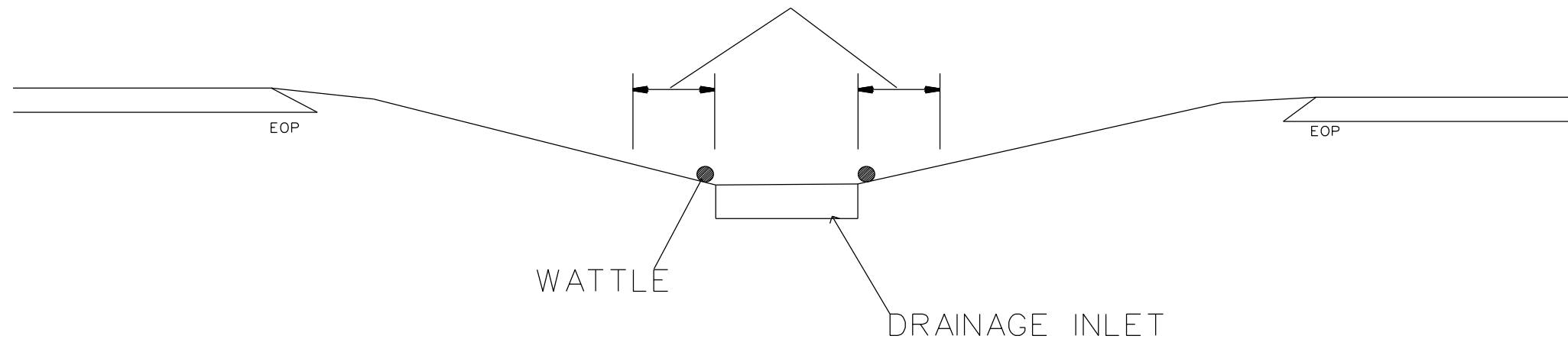
<5' - 10' UNDISTURBED BUFFER FROM JURISDICTIONAL FEATURE ADD BMP



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





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

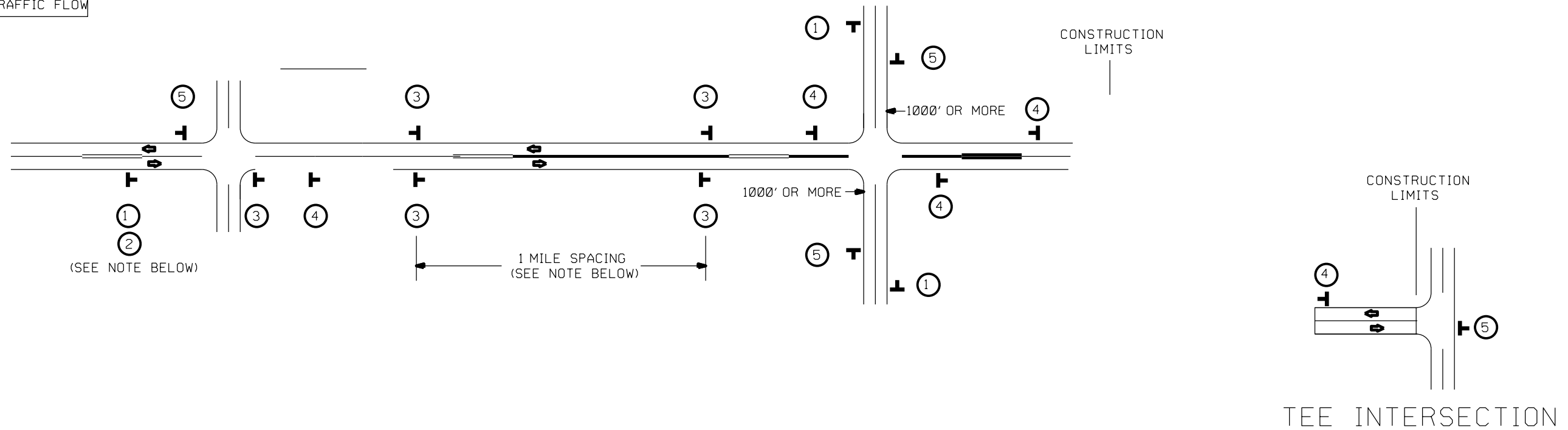


EROSION CONTROL DETAIL

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


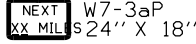


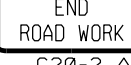
SIGNING FOR RESURFACING PROJECTS

LEGEND
 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

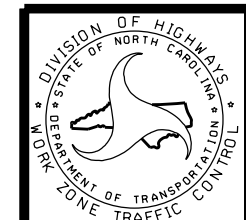
SIGNING NOTES AND PLACEMENT PER DIRECTION	①		PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.
	②		
	③		
	④		<ul style="list-style-type: none"> - THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION 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.	

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



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

