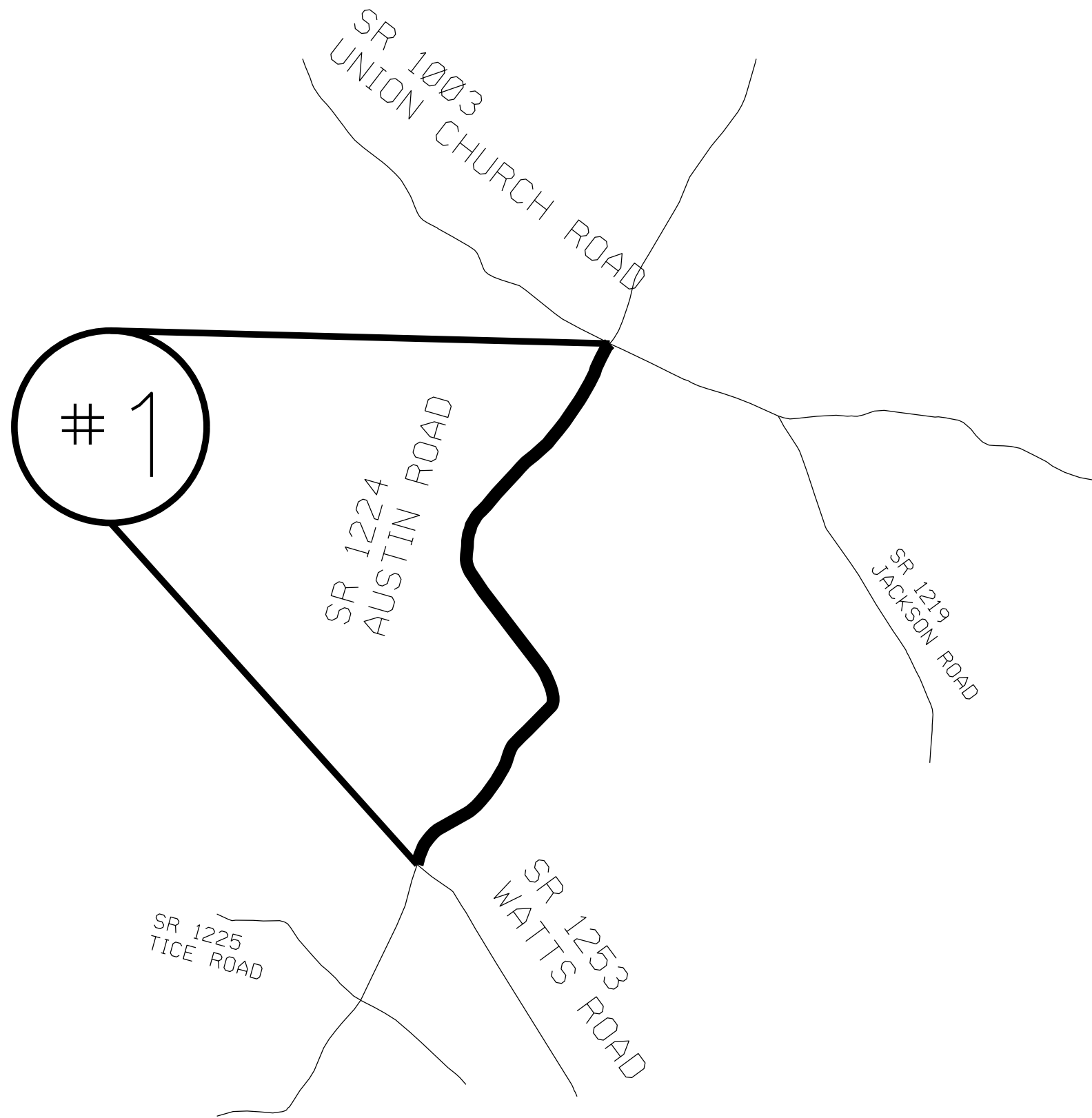


STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2023CPT.10.02.20042 2023CPT.10.02.20902	1	
F.A. PROJECT NO.			

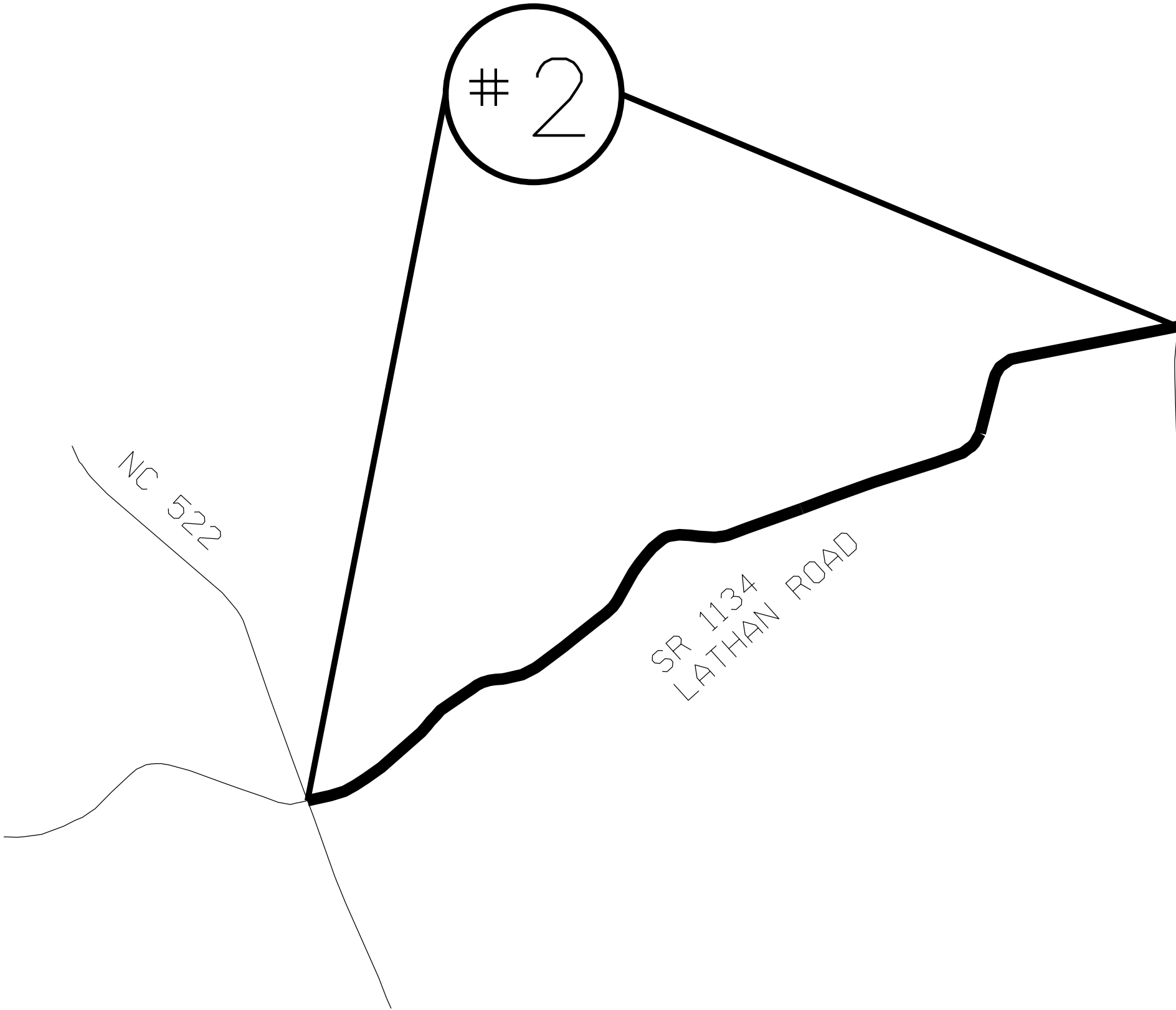


ENLARGED MUNICIPAL AND SUBURBAN AREAS
ANSON COUNTY
 NORTH CAROLINA
PREPARED BY THE
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

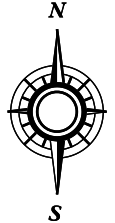
MAP # 1 SR 1224 AUSTIN ROAD
 1.87 MILES
 FROM SR 1003 UNION CHURCH ROAD
 TO SR 1253 WATTS ROAD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.02.20042 2023CPT.10.02.20902	2	
F.A. PROJECT NO.			

2



SR 2146
PLYLER MILL ROAD

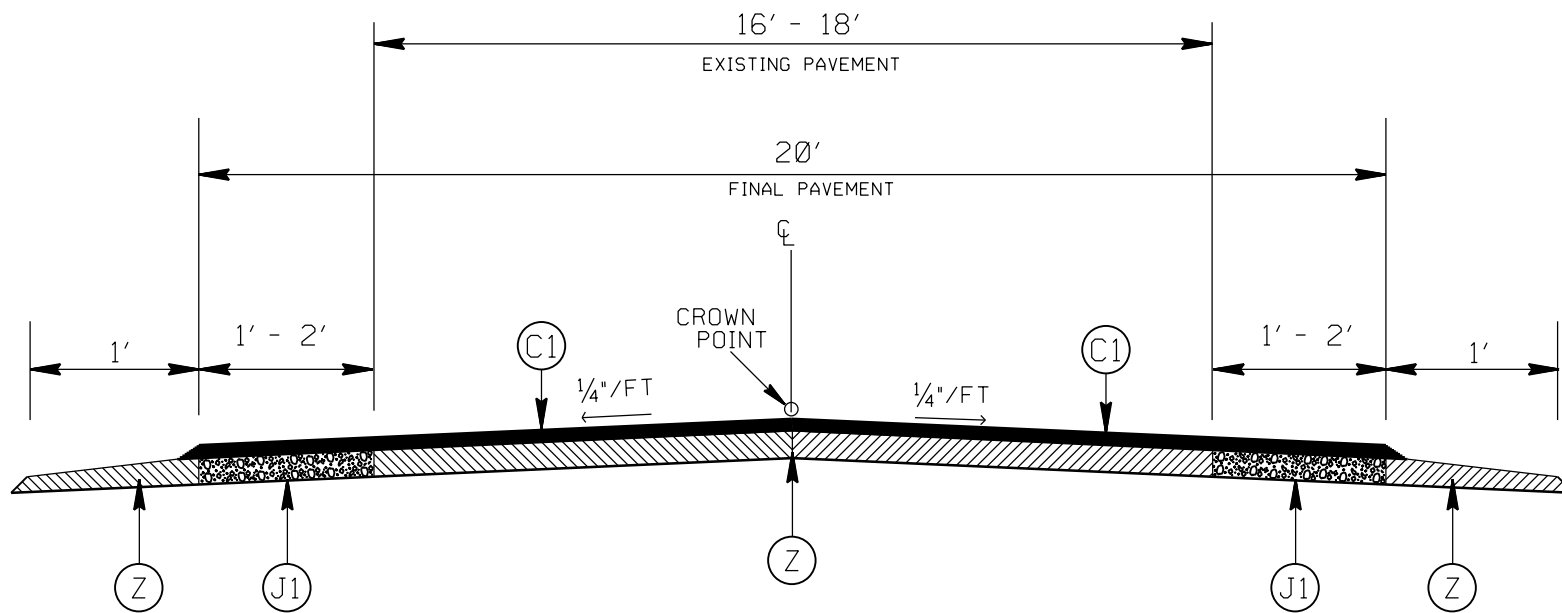


ENLARGED MUNICIPAL AND SUBURBAN AREAS
UNION COUNTY
NORTH CAROLINA

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

MAP #2 SR 1134 LATHAN ROAD
2.0 MILES
FROM NC 522
TO SR 2146 PLYLER MILL ROAD

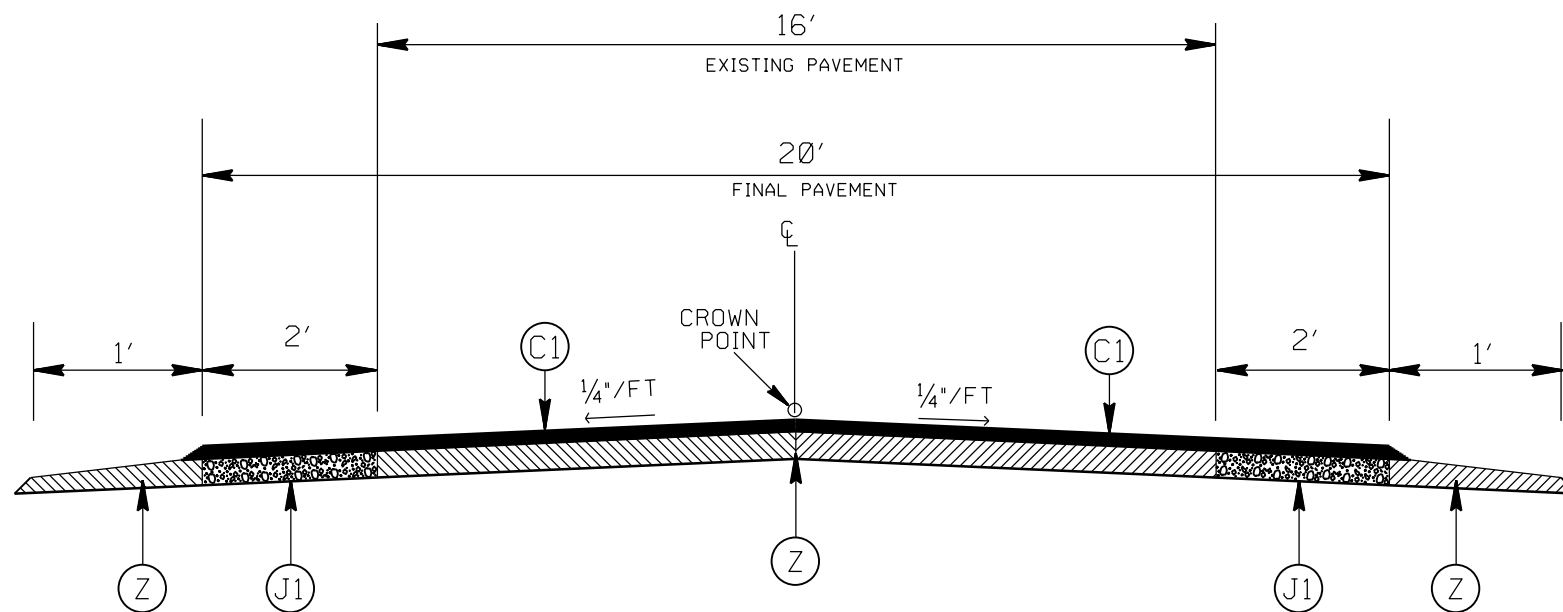
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.02.20042 2023CPT.10.02.20902	3	
F.A. PROJECT NO.			




TYPICAL SECTION NO. 1
SR 1224 AUSTIN ROAD (MAP 1)

PAVEMENT SCHEDULE

(C1)	PROP. ASPHALT SURFACE TREATMENT, TRIPLE SEAL, (SEE S. P. FOR AGGREGATE TYPE.)
(J1)	PROP. 8" AGGREGATE BASE COURSE (SEE S.P. FOR TRENCHING FOR ABC)
(Z)	FULL DEPTH RECLAMATION

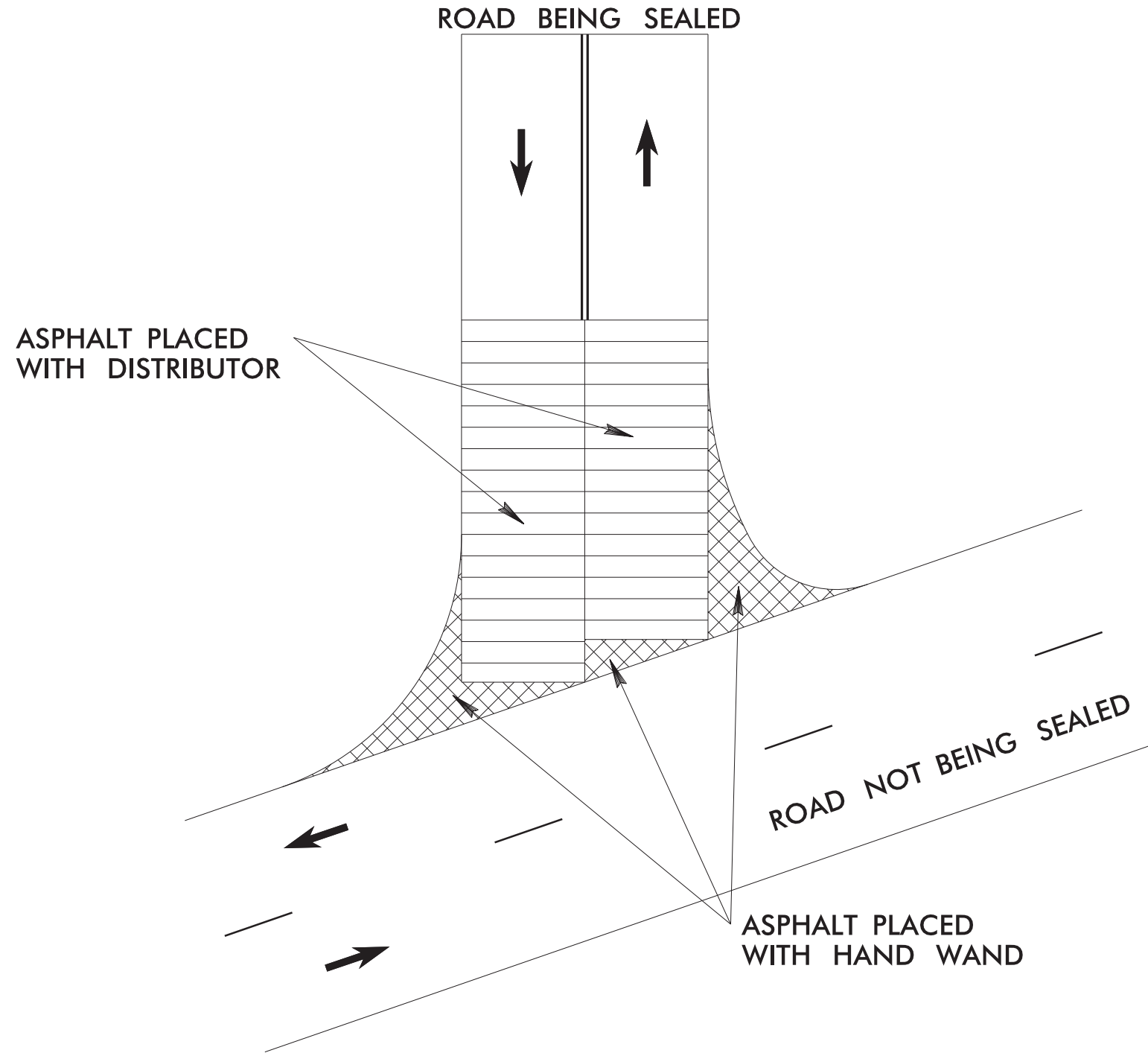


TYPICAL SECTION NO. 2
SR 1134 LATHAN ROAD (MAP 2)

2023-2024 ANSON/UNION COUNTY FULL DEPTH RECLAMATION		
SCALE	-NA-	
DATE	7/21	
DWG. BY	AMO	
DESIGN BY	AMO	
APPROVED		
		REVISIONS

INTERSECTION EMULSION PLACEMENT TWO LANE TWO WAY ROADWAY

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.02.20042 2023CPT.10.02.20902	4	
F.A. PROJECT NO.			



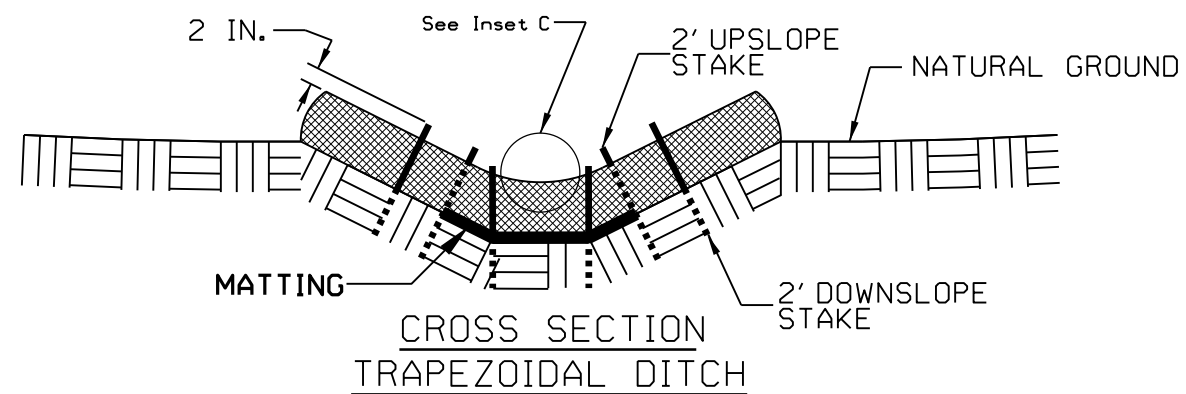
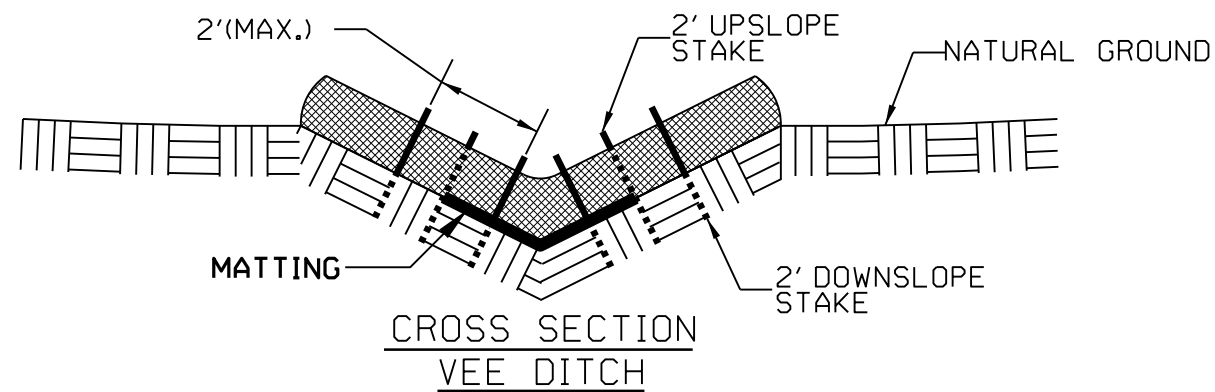
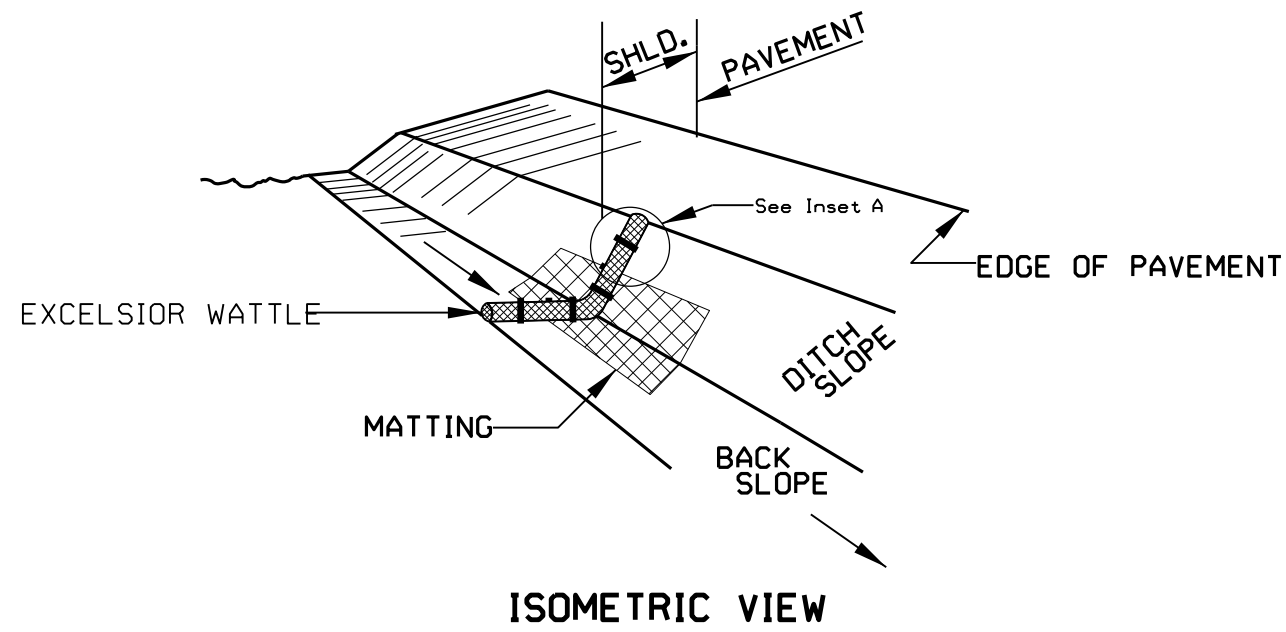
LEGEND

- ➔ DIRECTION OF TRAFFIC FLOW
- SKIP LINES
- === DOUBLE YELLOW LINES

INTERSECTION EMULSION PLACEMENT

SCALE	N/A		REVISIONS
DATE	9-2019		
DWG. BY	TBL		
DESIGN BY	TBL		
APPROVED	TWB		

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.

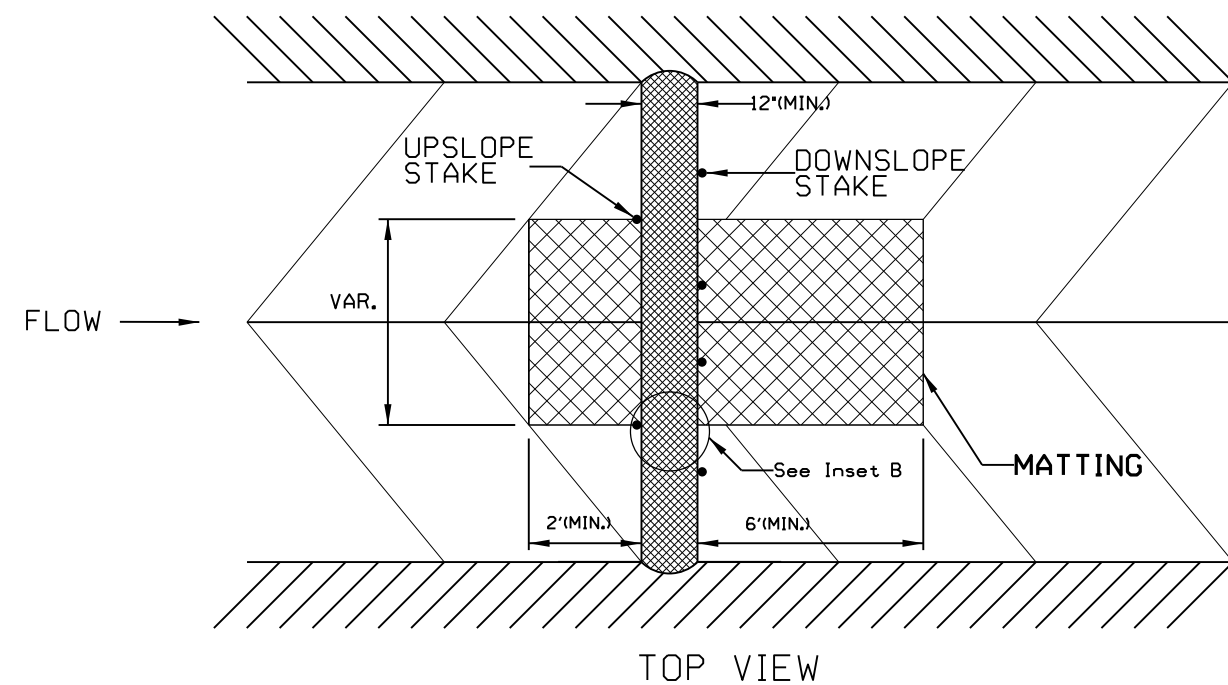
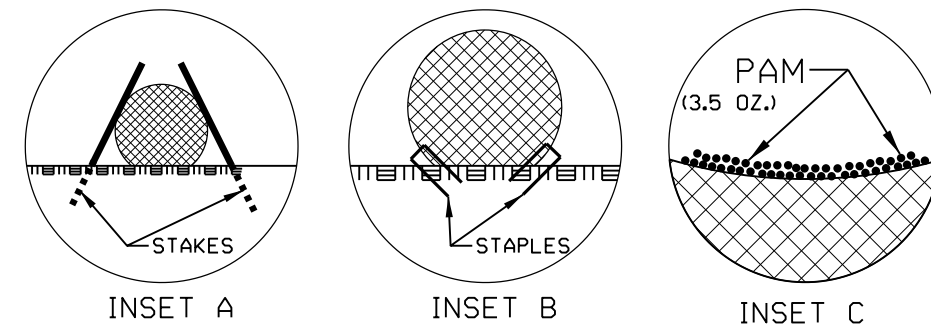
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.

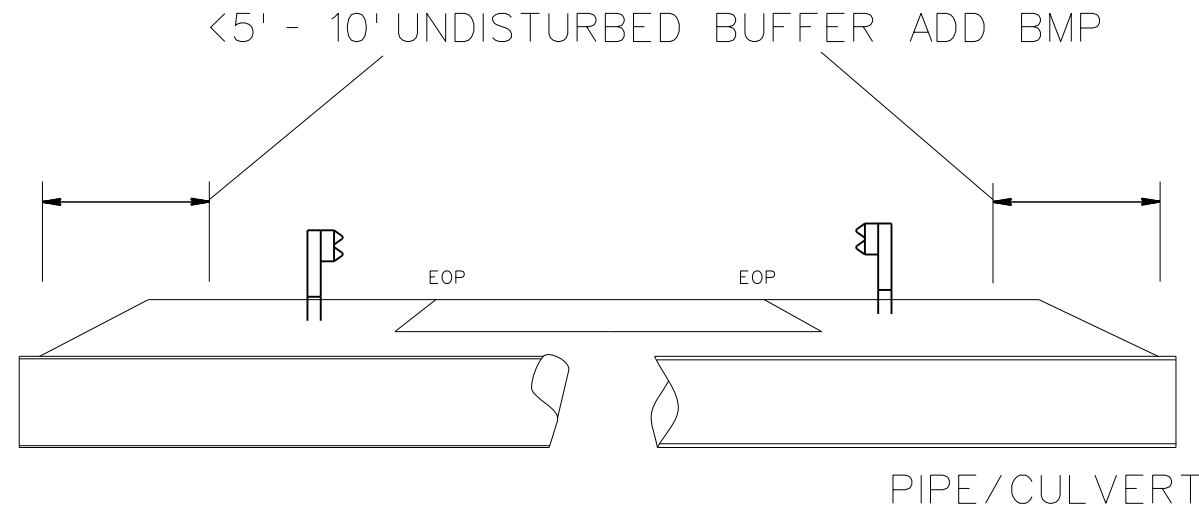
INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



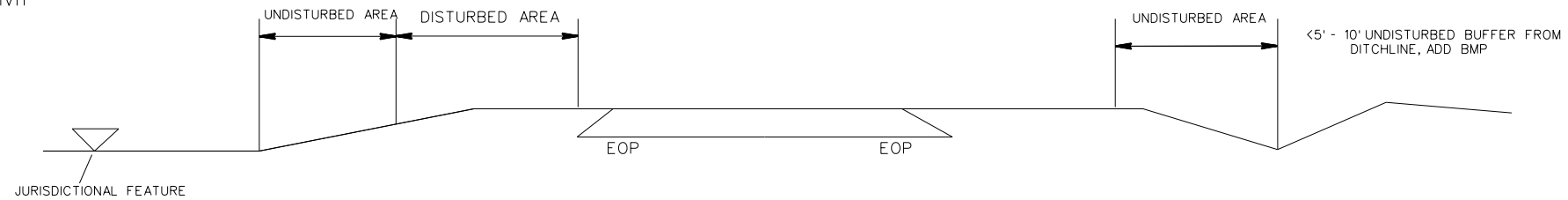
NOTES: LESS THAN 5' - 10' UNDISTURBED BUFFER FROM ROW, DITCHLINE, WATER FEATURE, OR DRAINAGE INLET, ADD BMP.

BMP OPTIONS: WATTLE OR SILT FENCE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.02.20042 2023CPT.10.02.20902	EC2	
F.A. PROJECT NO.			



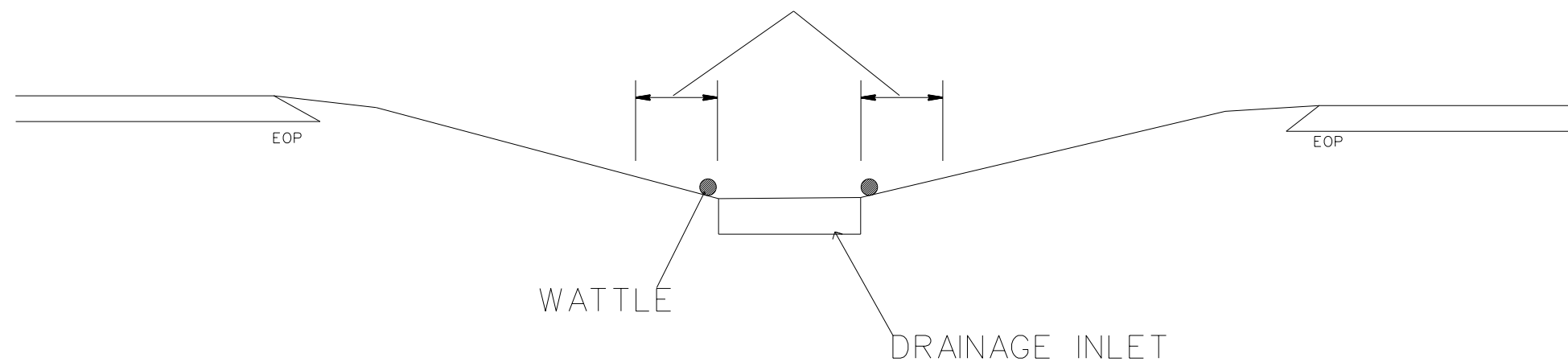
<5' - 10' UNDISTURBED BUFFER FROM JURISDICTIONAL FEATURE ADD BMP



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



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



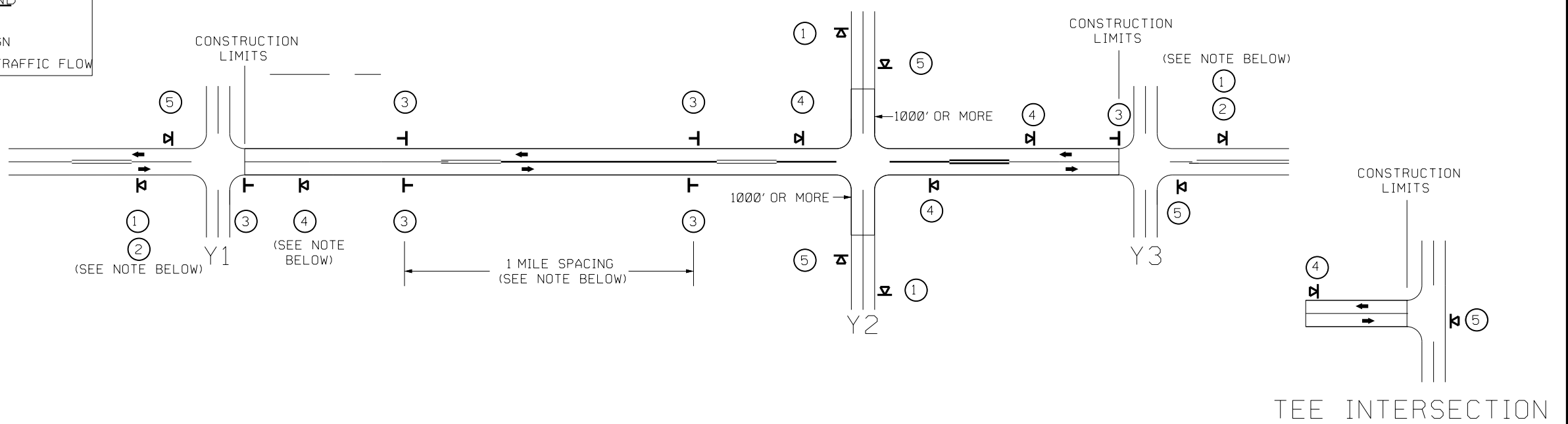
EROSION CONTROL DETAIL

SCALE	-NA-		REVISIONS
DATE	11/20		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED			

SIGNING FOR ASPHALT SURFACE TREATMENT

LEGEND

- PORTABLE SIGN
- STATIONARY SIGN
- DIRECTION OF TRAFFIC FLOW



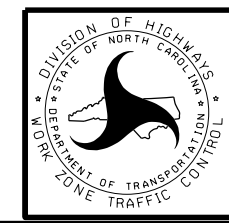
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>① - 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 #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO THE NEAREST WHOLE NUMBER. DO NOT USE FRACTIONAL OR DECIMAL NUMBERS.</p>	<p>STATIONARY SIGNING NOT REQUIRED 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, 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> <p>W20-1 48" X 48"</p> <p>PLACED 500' IN ADVANCE OF FLAGGER.</p> </div> <div> <p>W20-7 A 48" X 48"</p> <p>PLACED 250' IN ADVANCE OF FLAGGER.</p> </div> </div>
	 	<p>③ - ALTERNATE THE FOLLOWING TWO SIGNS:</p> <ul style="list-style-type: none"> - STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT". - PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER. 	
		<p>④ - THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</p> <ul style="list-style-type: none"> - 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>⑤ PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>	
	<p>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.</p>		

MAPS LESS THAN 2 MILES

FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.



ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT

05-JAN-2023 10:25 C:\Users\gouten\Documents\CONTRACTS\Resurfacing-Raleigh Let Contract\2023-2024\Union-Anson-FDR\FDR TYPICALS\Union-Anson_Typicals.dgn AT DIV 10-328722L

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.10.02.20042, 2023CPT.10.02.20902	8	

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	0241000000-E	0255000000-E	1187000000-E	1220000000-E	1836000000-E	1838000000-E	1838500000-N	2612000000-E	6000000000-E	6009000000-E	6012000000-E	6071010000-E	6071020000-E		
												GENERIC GRADING ITEM, SOIL CEMENT BASE (FULL DEPTH RECLAMATION)	AGGREGATE BASE COURSE	PORTLAND CEMENT FOR SOIL CEMENT BASE	INCIDENTAL STONE BASE	ASPHALT SURFACE TREATMENT, TRIPLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	VACUUM TRUCK	6" CONCRETE DRIVEWAYS	TEMPORARY SILT FENCE	STONE FOR EROSION CONTROL, CLASS B	SEDIMENT CONTROL STONE	WATTLE	POLYACRYLAMIDE (PAM)		
												MI	FT	SY	TONS	TON	TONS	SY	GAL	WK	SY	LF	TN	TN	LF	LB
2023CPT.10.02.20042	Anson	1	SR 1224 AUSTIN ROAD / ROUTE 40001224004	FROM SR 1003 UNION CHURCH ROAD TO SR 1253 WATTS ROAD MILEPOST 1.21 TO 3.08	2	2	2WU	NO	NO	1.87	20	24,147.00	2,012	797.00	30	21,951	16,685	0.40		560	56	28	560	2		
TOTAL FOR MAP NO. 1												1.87		24,147.00	2,012	797.00	30	21,951	16,685	0.40		560	56	28	560	2
TOTAL FOR PROJ NO. 2023CPT.10.02.20042												1.87		24,147.00	2,012	797.00	30	21,951	16,685	0.40		560	56	28	560	2
2023CPT.10.02.20902	Union	2	SR 1134 LATHAN ROAD / ROUTE 40001134090	FROM NC 522 TO SR 2146 PLYLER MILL ROAD MILEPOST 1.29-3.29	3	2	2WU	NO	NO	2	20	26,119.00	2,176	1,058.00	50	23,745	18,050	0.60	100	600	60	30	600	2		
TOTAL FOR MAP NO. 2												2		26,119.00	2,176	1,058.00	50	23,745	18,050	0.60	100	600	60	30	600	2
TOTAL FOR PROJ NO. 2023CPT.10.02.20902												2		26,119.00	2,176	1,058.00	50	23,745	18,050	0.60	100	600	60	30	600	2
GRAND TOTAL												3.87		50,266.00	4,188	1,855.00	80	45,696	34,735	1.00	100	1,160	116	58	1,160	4

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.10.02.20042, 2023CPT.10.02.20902	9	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4709000000-E	4810000000-E	4810000000-E		
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	4" WHITE PAINT	4" YELLOW PAINT		
										MI	FT	SF	LS	LF	LF	LF
2023CPT.10.02.20042	Anson	1	SR 1224 AUSTIN ROAD / ROUTE 40001224004	FROM SR 1003 UNION CHURCH ROAD TO SR 1253 WATTS ROAD MILEPOST 1.21 TO 3.08	2	2	2WU	1.87	20	289.0	1	20	39,512	34,510		
TOTAL FOR MAP NO. 1							1.87			289.0	0.5	20	39,512	34,510		
TOTAL FOR PROJ NO. 2023CPT.10.02.20042							1.87			289.0		20	39,512	34,510		
2023CPT.10.02.20902	Union	2	SR 1134 LATHAN ROAD / ROUTE 40001134090	FROM NC 522 TO SR 2146 PLYLER MILL ROAD MILEPOST 1.29-3.29	3	2	2WU	2	20	385.0	1	45	42,740	40,547		
TOTAL FOR MAP NO. 2							2			385.0	0.5	45	42,740	40,547		
TOTAL FOR PROJ NO. 2023CPT.10.02.20902							2			385.0	0.5	45	42,740	40,547		
GRAND TOTAL							3.87			674.0	1.0	65	82,252	75,057		