

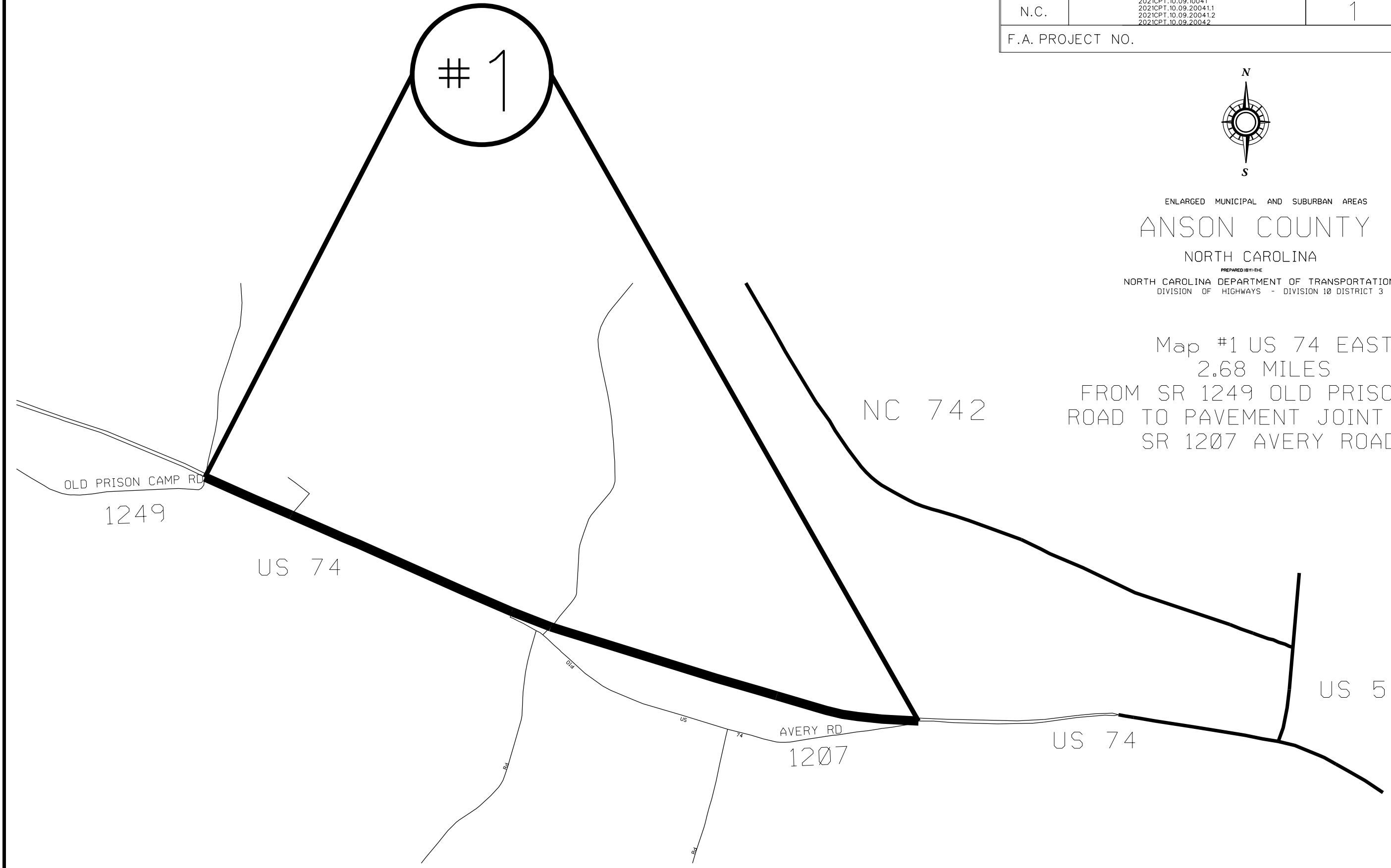
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	1	
F.A. PROJECT NO.			



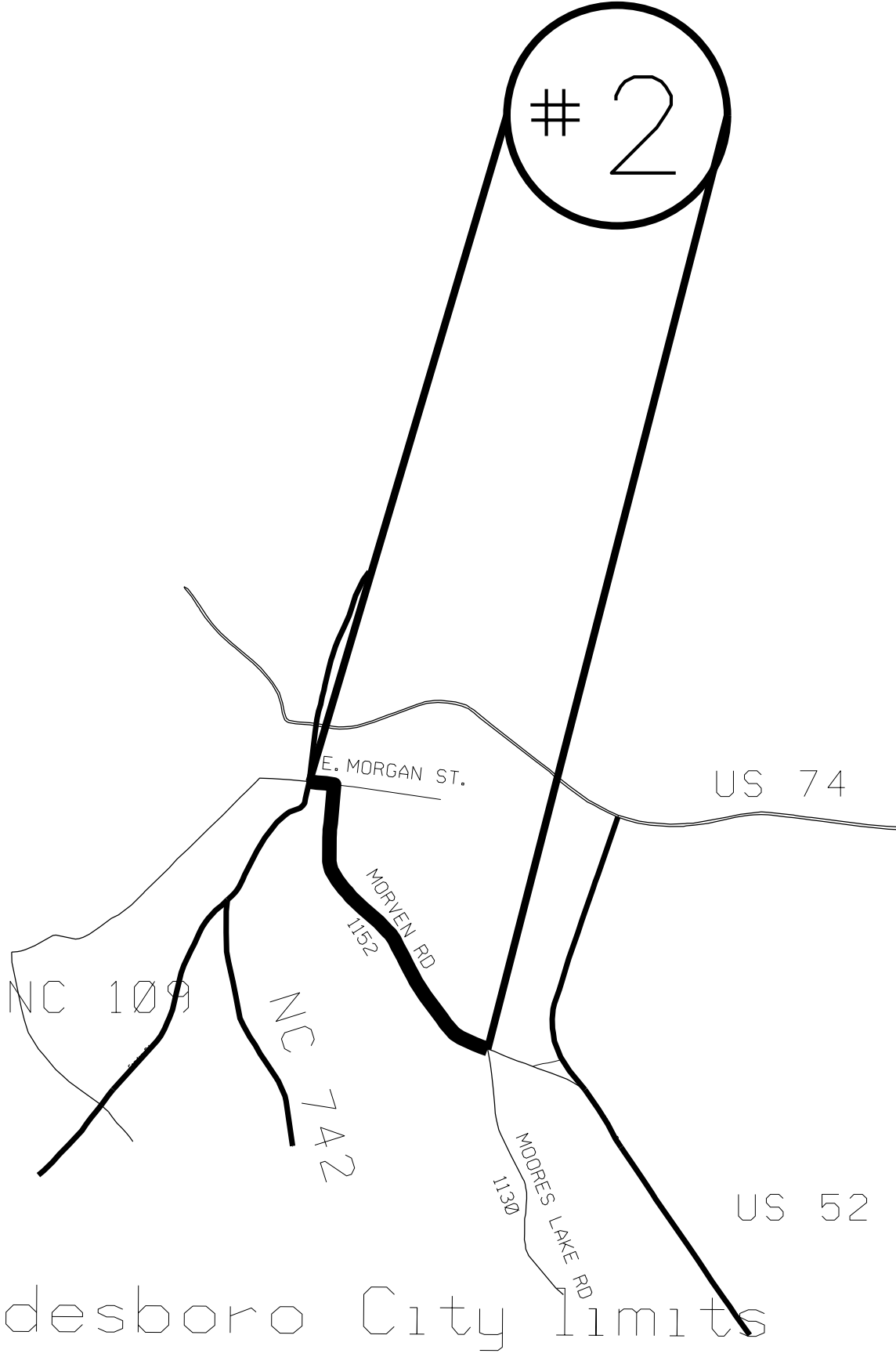
ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**ANSON COUNTY**  
 NORTH CAROLINA

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

Map #1 US 74 EAST  
 2.68 MILES  
 FROM SR 1249 OLD PRISON CAMP  
 ROAD TO PAVEMENT JOINT EAST OF  
 SR 1207 AVERY ROAD



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	2	
F.A. PROJECT NO.			

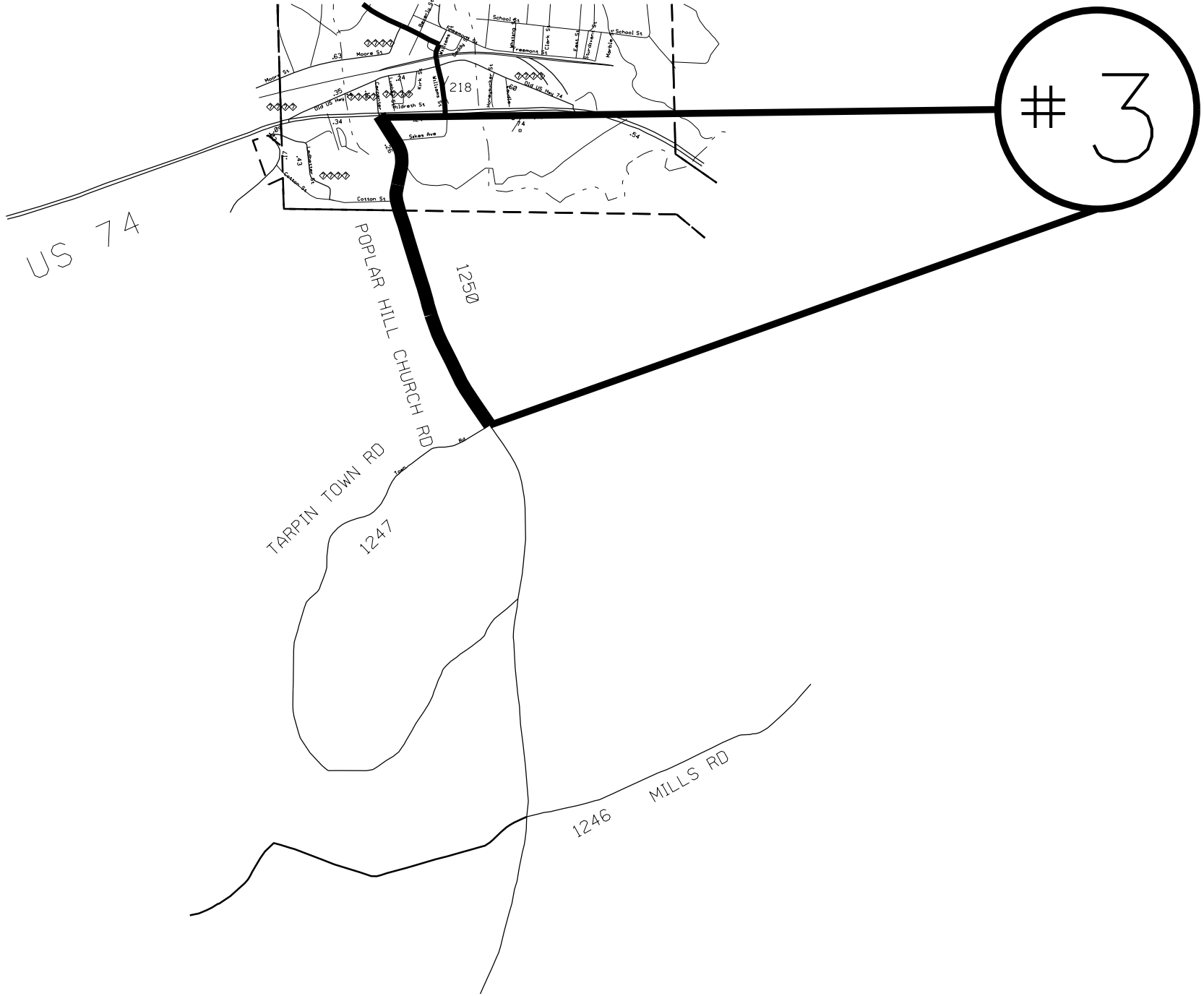


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**ANSON COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP # 2 SR 1152 MORVEN ROAD/E. MORGAN STREET  
 1.3 MILES  
 FROM NC 109 SOUTH TO  
 SR 1130 MOORES LAKE ROAD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	3	
F.A. PROJECT NO.			

Polkton City limits

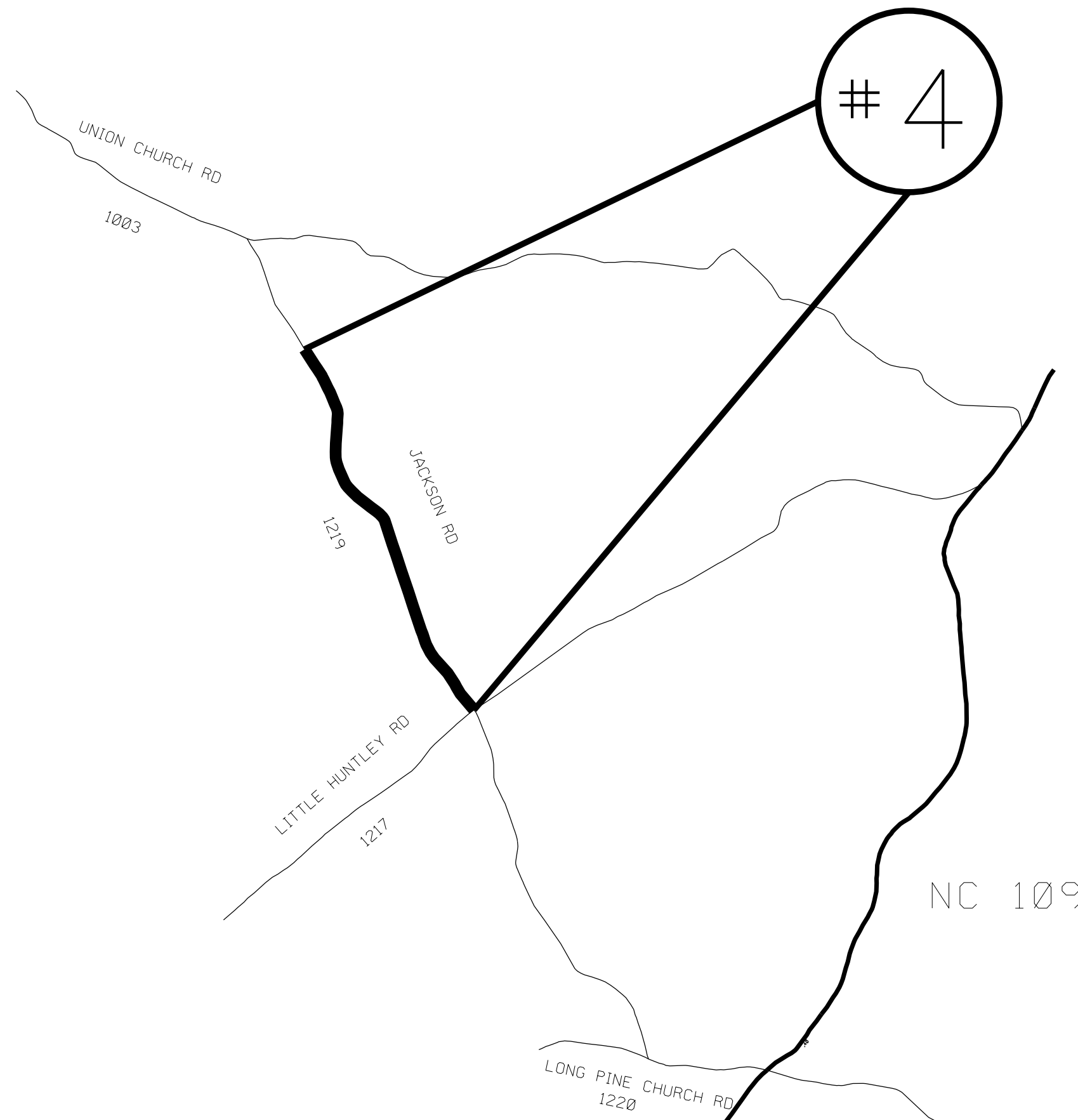


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
ANSON COUNTY  
NORTH CAROLINA

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

MAP #3 SR 1250 POPLAR HILL CHURCH ROAD  
1.25 MILES  
FROM US 74 TO SR 1247 TARPIN TOWN ROAD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	4	
F.A. PROJECT NO.			

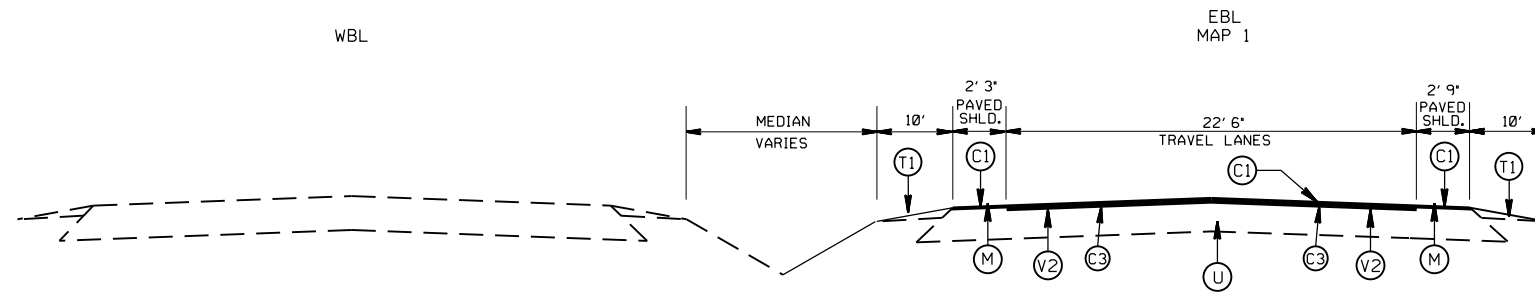


ENLARGED MUNICIPAL AND SUBURBAN AREAS  
**ANSON COUNTY**  
 NORTH CAROLINA  
PREPARED BY THE  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #4 SR 1219 JACKSON ROAD  
 1.6 MILES  
 FROM SR 1217 LITTLE HUNTLEY ROAD  
 NORTH TOWARDS SR 1003 FOR 1.6 MILES

NC 109

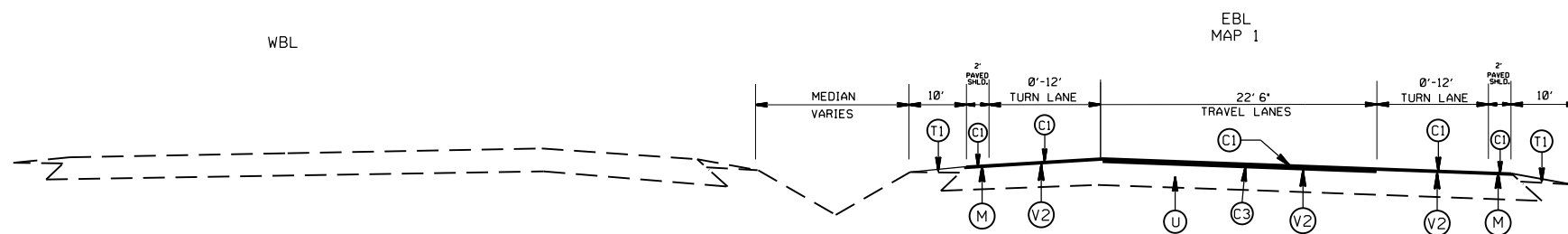
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	5	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 1  
US 74 EB (MAP 1)  
\*SEE NOTE 1


PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 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)	AST MAT COAT # 67
(C4)	PROP. ASPHALT SURFACE TREATMENT, TRIPLE SEAL, (SEE S. P. FOR AGGREGATE TYPE.)
(M)	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
(Z)	FULL DEPTH RECLAMATION

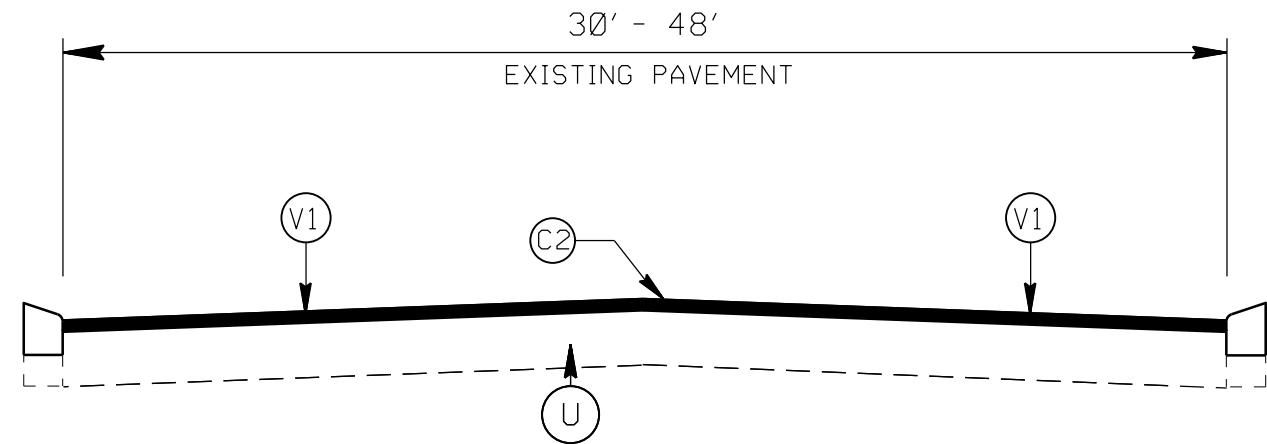


TYPICAL SECTION NO. 2  
US 74 EB (MAP 1)  
TURN LANES

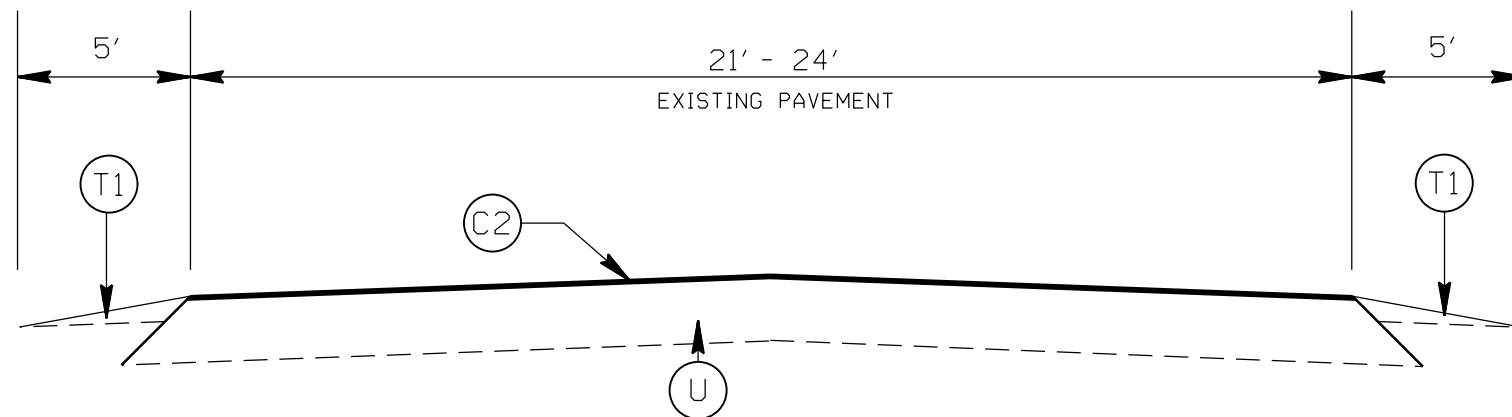
2021-2022  
ANSON COUNTY RESURFACING

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

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	6	
F.A. PROJECT NO.			




TYPICAL SECTION NO. 3  
SR 1152 MORVEN ROAD/E. MORGAN STREET (MAP 2)



TYPICAL SECTION NO. 4  
SR 1250 POPLAR HILL CHURCH ROAD (MAP 3)  
\*SEE NOTE 2

PAVEMENT SCHEDULE

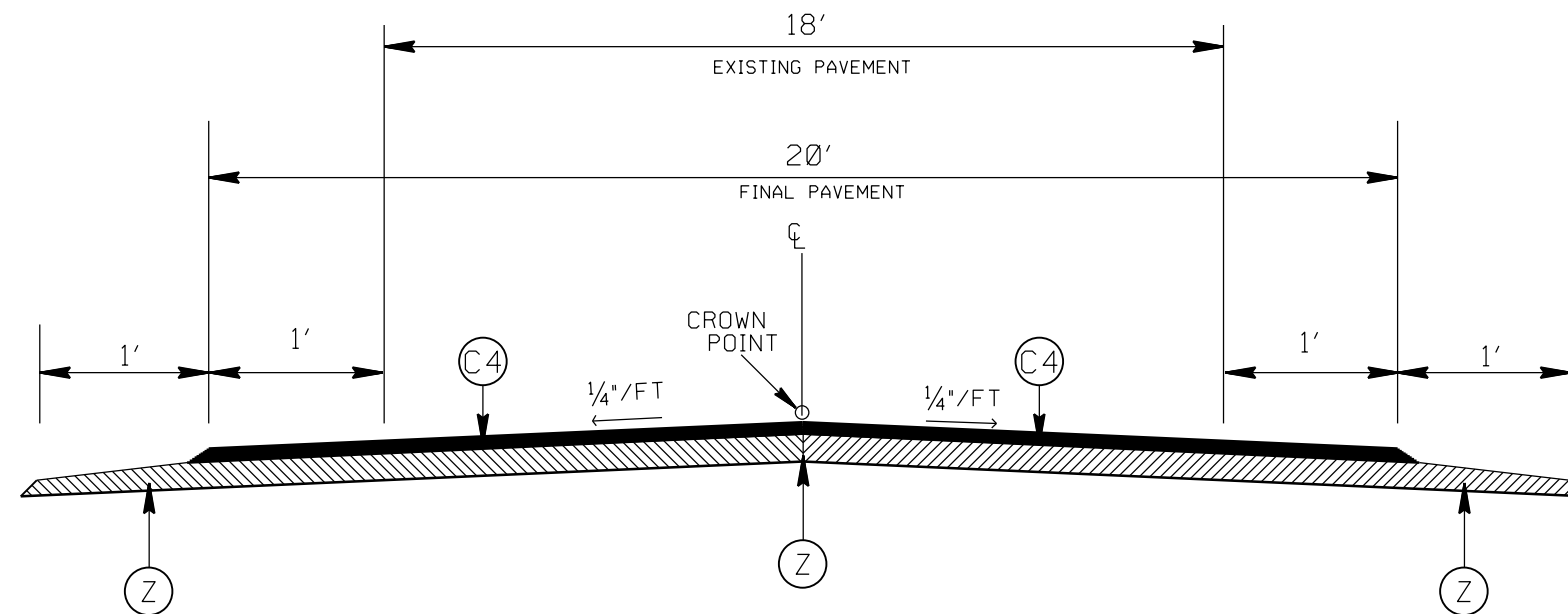
(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
(C2)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
(C3)	AST MAT COAT # 67
(C4)	PROP. ASPHALT SURFACE TREATMENT, TRIPLE SEAL, (SEE S. P. FOR AGGREGATE TYPE.)
(M)	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
(Z)	FULL DEPTH RECLAMATION

2021-2022 ANSON COUNTY RESURFACING		
SCALE	-NA-	
DATE	11/20	
DWG. BY	AMO	
DESIGN BY	AMO	
APPROVED		
		REVISIONS

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	7	
F.A. PROJECT NO.			

### PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 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)	AST MAT COAT # 67
(C4)	PROP. ASPHALT SURFACE TREATMENT, TRIPLE SEAL, (SEE S. P. FOR AGGREGATE TYPE.)
(M)	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
(Z)	FULL DEPTH RECLAMATION

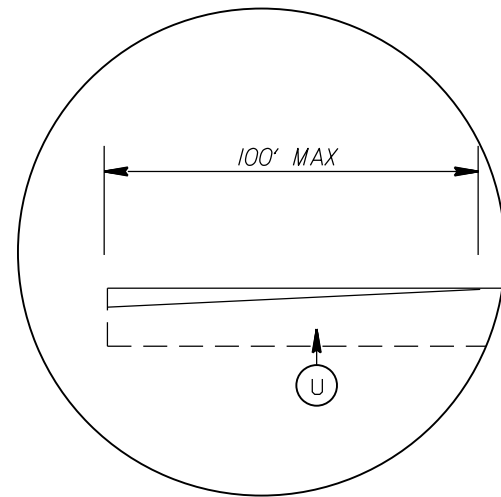


TYPICAL SECTION NO. 5  
SR 1219 JACKSON ROAD (MAP 4)

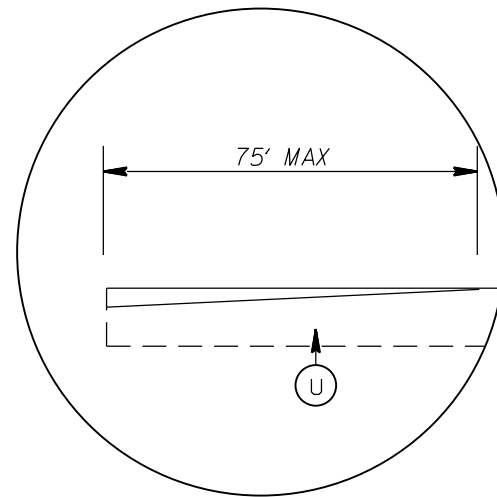
2021-2022  
ANSON COUNTY RESURFACING

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

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	8	
F.A. PROJECT NO.			



DETAIL FOR INCIDENTAL MILLING (0" TO 2.0")  
MAP 1 TIE IN

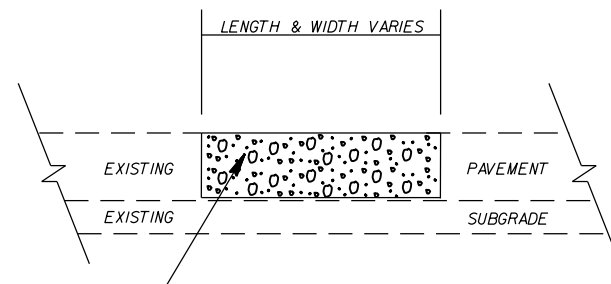


DETAIL FOR INCIDENTAL MILLING (0" TO 1.5")  
MAP 3 TIE IN

### PAVEMENT SCHEDULE

(C1)	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 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)	AST MAT COAT # 67
(C4)	PROP. ASPHALT SURFACE TREATMENT, TRIPLE SEAL, (SEE S. P. FOR AGGREGATE TYPE.)
(M)	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)
(T1)	SHOULDER RECONSTRUCTION
(U)	EXISTING PAVEMENT
(V1)	MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.
(V2)	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
(Z)	FULL DEPTH RECLAMATION

### PATCHING DETAIL



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

2021-2022  
ANSON COUNTY RESURFACING

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



REVISIONS




STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	9	
F.A. PROJECT NO.			

NOTES:

- 1: ON MAP 1, SKIP CONCRETE BRIDGE, DO NOT OVERLAY.
- 2: ON MAP 3, MILL AND INLAY BRIDGES WITH 1.5" S9.5C.
- 3: SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.
- 4: WIDENING ON FULL DEPTH RECLAMATION MAP TO BE DONE BY STATE FORCES.
- 5: PATCHING ON MAPS 2 AND 3 WILL BE DONE BY STATE FORCES.

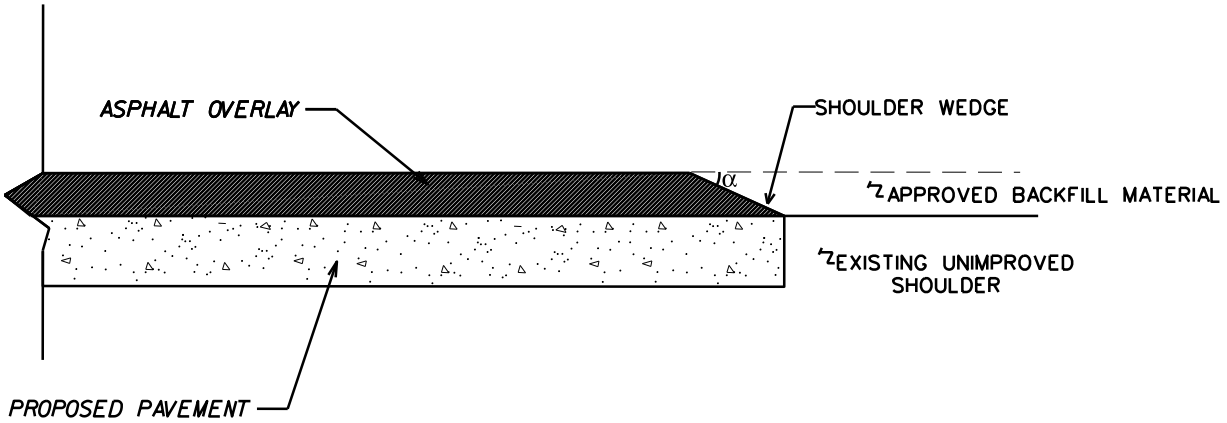
2021-2022 ANSON COUNTY RESURFACING		
SCALE	-NA-	REVISIONS
DATE	11/20	
DWG. BY	AMO	
DESIGN BY	AMO	
APPROVED		



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	10	
F.A. PROJECT NO.			

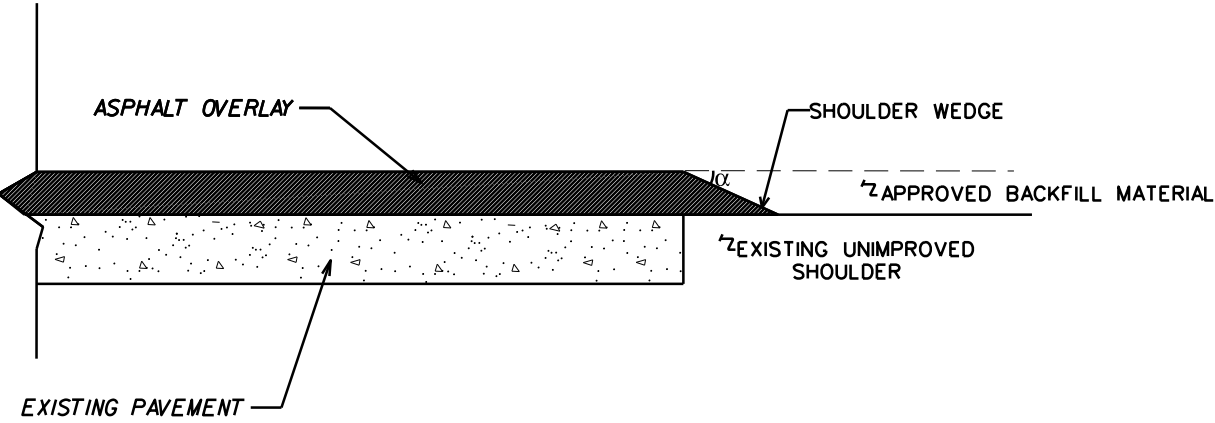
NOTES:

- 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.



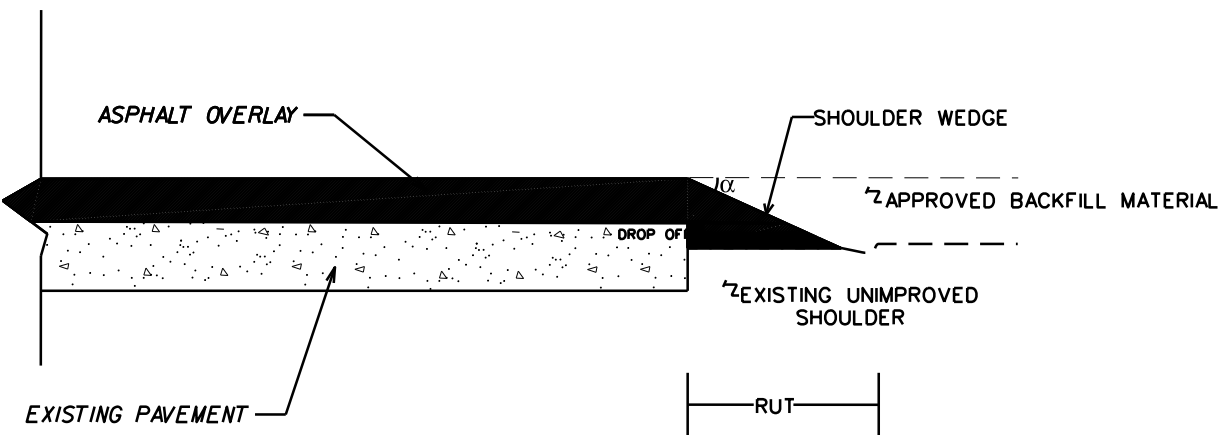
SHOULDER WEDGE DETAIL

(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)

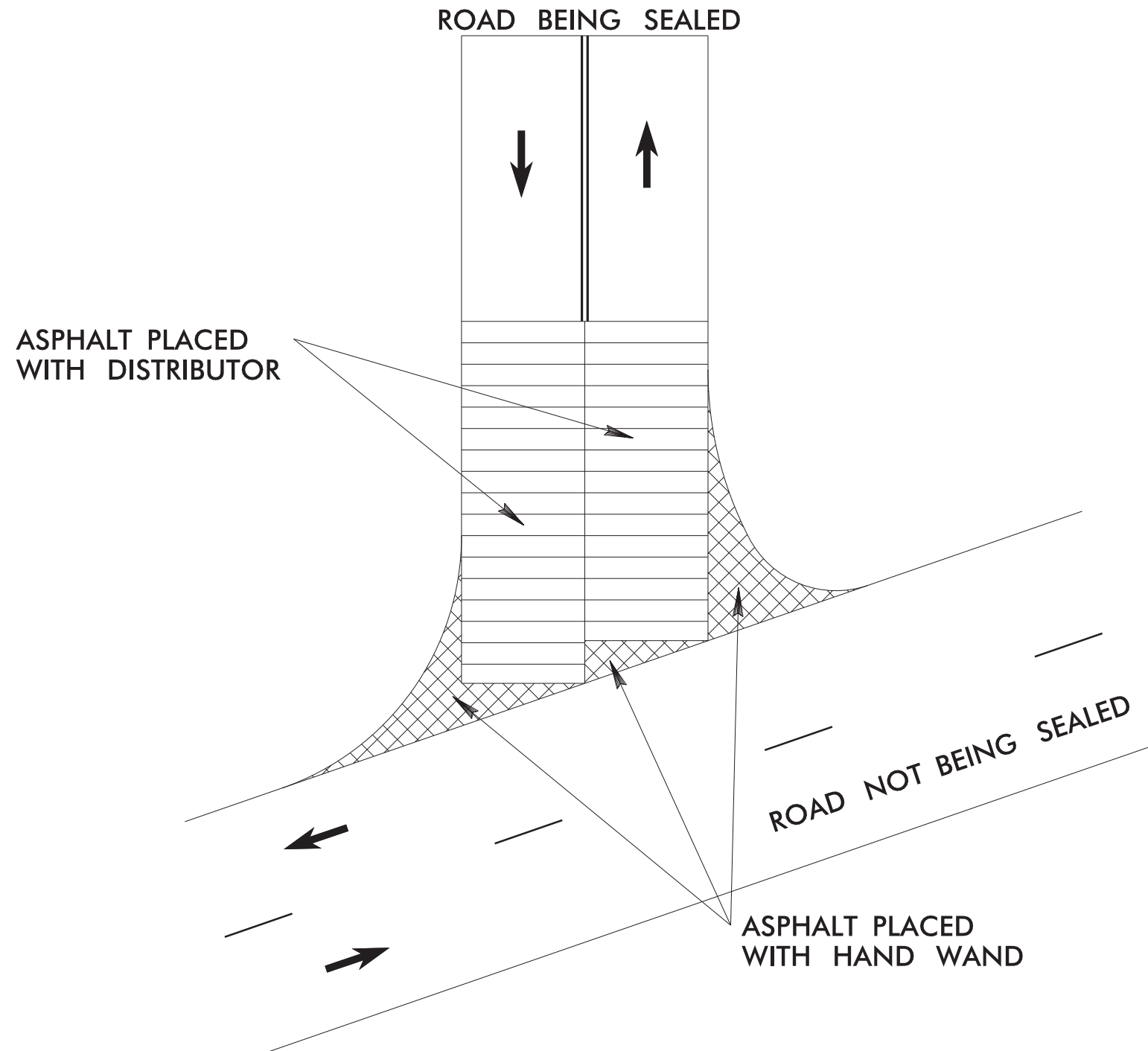
$\alpha = 30$  DEGREES

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



# INTERSECTION EMULSION PLACEMENT TWO LANE TWO WAY ROADWAY

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	11	
F.A. PROJECT NO.			



### LEGEND

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

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

## 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	0106000000-E	0241000000-E	1187000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1523000000-E	1524000000-E	1575000000-E	1704000000-E	1775000000-E	1836000000-E	1838000000-E	1838500000-N							
												BORROW	GENERIC GRADING ITEM, SOIL CEMENT BASE (FULL DEPTH RECLAMATION)	PORTLAND CEMENT FOR SOIL CEMENT BASE	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	2" MILLING	1 1/2" MILLING	INCIDENTAL MILLING	SURFACE COURSE, \$9.5C	LEVELING COURSE, \$9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ASPHALT SURFACE TREATMENT, MATCOAT, #67 STONE	ASPHALT SURFACE TREATMENT, TRIPLE SEAL	EMULSION FOR ASPHALT SURFACE TREATMENT	VACUUM TRUCK						
												MI	FT	CY	SY	TON	TONS	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	SY	SY	GAL	WK				
2021CPT.10.09.10041	Anson	1	US 74 EAST BOUND	FROM SR 1249 OLD PRISON CAMP ROAD TO PAVEMENT JOINT EAST ODF SR 1207 AVERY ROAD <b>MILEPOST 8.25 TO 10.93</b>	1,2	2	MD	NO	NO	2.68	27.5	1,090			260	5.40	46,300		1,200	5,700		342	1,000	43,252		15,140							
<b>TOTAL FOR MAP NO. 1</b>												2.68		1,090			260	5.40	46,300		1,200	5,700		342	1,000	43,252		15,140					
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.10041</b>												2.68		1,090			260	5.40	46,300		1,200	5,700		342	1,000	43,252		15,140					
2021CPT.10.09.20041.1	Anson	2	SR 1152 MORVEN ROAD/EAST MORGAN STREET	FROM NC 109 SOUTH TO SR 1130 MOORES LAKE ROAD <b>MILEPOST 0.00 TO 1.30</b>	3	2		NO	NO	1.3	30																						
<b>TOTAL FOR MAP NO. 2</b>												1.3										33,538	2,300	3,085		185							
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.20041.1</b>												1.3									33,538	2,300	3,085		185								
2021CPT.10.09.20041.2	Anson	3	SR 1250 POPLAR HILL CHURCH ROAD	FROM US 74 TO SR 1247 TARPIN TOWN ROAD <b>MILEPOST 2.72 TO 3.97</b>	4	2	2WU	NO	NO	1.25	23	200			70	2.50			600	830	1,700	700	148										
<b>TOTAL FOR MAP NO. 3</b>												1.25		200			70	2.50		600	830	1,700	700	148									
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.20041.2</b>												1.25		200			70	2.50		600	830	1,700	700	148									
2021CPT.10.09.20042	Anson	4	SR 1219 JACKSON ROAD	FROM SR 1217 LITTLE HUNTLEY ROAD NORTH TOWARDS SR 1003 UNION CHURCH ROAD FOR 1.6 MILES <b>MILEPOST 2 TO 3.60</b>	5	2	2WU	NO	NO	1.6	20			20,650	940.00	50									18,774	14,270	1.00						
<b>TOTAL FOR MAP NO. 4</b>												1.6					20,650	940.00	50											18,774	14,270	1.00	
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.20042</b>												1.6					20,650	940.00	50												18,774	14,270	1.00
<b>GRAND TOTAL</b>												6.83		1,290	20,650	940.00	380	7.90	46,300	34,138	4,330	10,485	700	675	1,000	43,252	18,774	29,410	1.00				

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1840000000-E	2535000000-E	2600000000-N	2613000000-N	2800000000-N	2830000000-N	4500000000-E	6000000000-E	6009000000-E	6012000000-E	6071010000-E	6071020000-E				
												MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	8" X 12" CONCRETE CURB	RETROFIT EXISTING CURB RAMP	REMOVE AND REPLACE CURB RAMPS	ADJ. OF CATCH BASIN	ADJ. OF MANHOLES	ADJ. OF METER OR VALVE BOX	TEMPORARY SILT FENCE	STONE FOR EROSION CONTROL, CLASS B	SEDIMENT CONTROL STONE	WATTLE	POLYACRYLAMIDE (PAM)				
												MI	FT	LF	LF	EA	EA	EA	EA	EA	EA	EA	LF	TN	TN	LF	LB
2021CPT.10.09.10041	Anson	1	US 74 EAST BOUND	FROM SR 1249 OLD PRISON CAMP ROAD TO PAVEMENT JOINT EAST ODF SR 1207 AVERY ROAD <b>MILEPOST 8.25 TO 10.93</b>	1,2	2	MD	NO	NO	2.68	27.5	28,310								300	54	27	300	1			
<b>TOTAL FOR MAP NO. 1</b>												2.68		28,310							300	54	27	300	1		
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.10041</b>												2.68		28,310							300	54	27	300	1		
2021CPT.10.09.20041.1	Anson	2	SR 1152 MORVEN ROAD/EAST MORGAN STREET	FROM NC 109 SOUTH TO SR 1130 MOORES LAKE ROAD <b>MILEPOST 0.00 TO 1.30</b>	3	2		NO	NO	1.3	30		100	2	5	1	1	1	150	26	13	150					
<b>TOTAL FOR MAP NO. 2</b>												1.3			100	2	5	1	1	1	150	26	13	150			
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.20041.1</b>												1.3			100	2	5	1	1	1	150	26	13	150			
2021CPT.10.09.20041.2	Anson	3	SR 1250 POPLAR HILL CHURCH ROAD	FROM US 74 TO SR 1247 TARPIN TOWN ROAD <b>MILEPOST 2.72 TO 3.97</b>	4	2	2WU	NO	NO	1.25	23								200	25	13	200	1				
<b>TOTAL FOR MAP NO. 3</b>												1.25									200	25	13	200	1		
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.20041.2</b>												1.25								200	25	13	200	1			
2021CPT.10.09.20042	Anson	4	SR 1219 JACKSON ROAD	FROM SR 1217 LITTLE HUNTLEY ROAD NORTH TOWARDS SR 1003 UNION CHURCH ROAD FOR 1.6 MILES <b>MILEPOST 2 TO 3.60</b>	5	2	2WU	NO	NO	1.6	20								450	40	20	450	1				
<b>TOTAL FOR MAP NO. 4</b>												1.6									450	40	20	450	1		
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.20042</b>												1.6								450	40	20	450	1			
<b>GRAND TOTAL</b>												6.83		28,310	100	2	5	1	1	1	1,100	145	73	1,100	3		

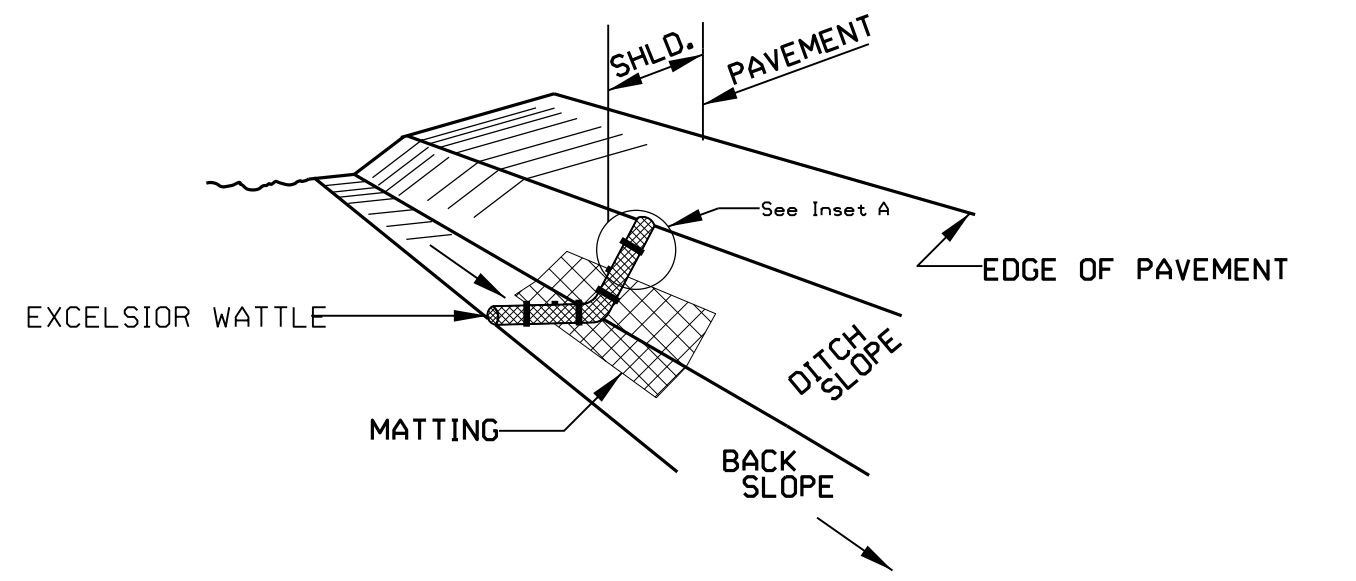
NOTE: The Contractor shall not work or park equipment outside of the Right Of Way in Historic Areas

PROJECT NO.	SHEET NO.	TOTAL NO.
2021CPT.10.09.10041, 2021CPT.10.09.20041.2, ETC.	13	13

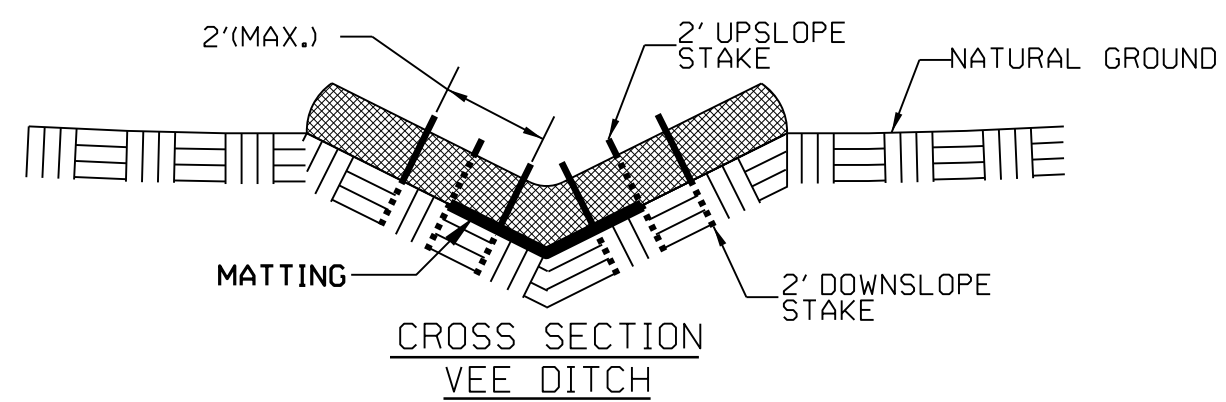
### THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4447000000-E	4457000000-N	4510000000-N	4600000000-N	4685000000-E		4695000000-E		4725000000-E				4810000000-E		4890000000-E	4891000000-E						
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	AUDIBLE WARNING DEVICE	TEMPORARY CURB RAMP	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	8" X 90 M YELLOW THERMO	THERMO LT ARROW 90 M	THERMO RT ARROW 90 M	THERMO U-TURN 90 M	THERMO STR & RT ARROW 90 M	4" WHITE PAINT	4" YELLOW PAINT	GENERIC PAVEMENT MARKING ITEM, NON-CAST IRON SNOWPLOWABLE MARKER	24" X 90 M WHITE THERMO					
									MI	FT	SF	LF	LS	HR	EA	EA	LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	LF				
2021CPT.10.09.10041	Anson	1	US 74 EAST BOUND	FROM SR 1249 OLD PRISON CAMP ROAD TO PAVEMENT JOINT EAST ODF SR 1207 AVERY ROAD <b>MILEPOST 8.25 TO 10.93</b>	1,2	2	MD	2.68	27.5		300		0.25				18,843	14,155			4	2					3,539		219	40		
<b>TOTAL FOR MAP NO. 1</b>																	18,843	14,155			4	2	2			3,539		219	40			
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.10041</b>																		18,843	14,155			4	2	2			3,539		219	40		
2021CPT.10.09.20041.1	Anson	2	SR 1152 MORVEN ROAD/EAST MORGAN STREET	FROM NC 109 SOUTH TO SR 1130 MOORES LAKE ROAD <b>MILEPOST 0.00 TO 1.30</b>	3	2		1.3	30			0.25	8.00	1	1		7,950	13,750	375	130	3				1	7,700	13,583		200			
<b>TOTAL FOR MAP NO. 2</b>																	7,950	13,750	375	130	3			1	7,700	13,583		200				
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.20041.1</b>																	7,950	13,750	375	130	3			1	7,700	13,583		200				
2021CPT.10.09.20041.2	Anson	3	SR 1250 POPLAR HILL CHURCH ROAD	FROM US 74 TO SR 1247 TARPIN TOWN ROAD <b>MILEPOST 2.72 TO 3.97</b>	4	2	2WU	1.25	23			0.25														26,400	26,400		43			
<b>TOTAL FOR MAP NO. 3</b>																										26,400	26,400		43			
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.20041.2</b>																											26,400	26,400		43		
2021CPT.10.09.20042	Anson	4	SR 1219 JACKSON ROAD	FROM SR 1217 LITTLE HUNTLEY ROAD NORTH TOWARDS SR 1003 UNION CHURCH ROAD FOR 1.6 MILES <b>MILEPOST 2 TO 3.60</b>	5	2	2WU	1.6	20		249	0.25														33,792	33,792					
<b>TOTAL FOR MAP NO. 4</b>																										33,792	33,792					
<b>TOTAL FOR PROJ NO. 2021CPT.10.09.20042</b>																										33,792	33,792					
<b>GRAND TOTAL</b>												6.83			549	32	1	8	1	1	26,793	27,905	375	130	7	2	2	1	71,431	73,775	219	283
																		54,698		505		12				145,206			283			

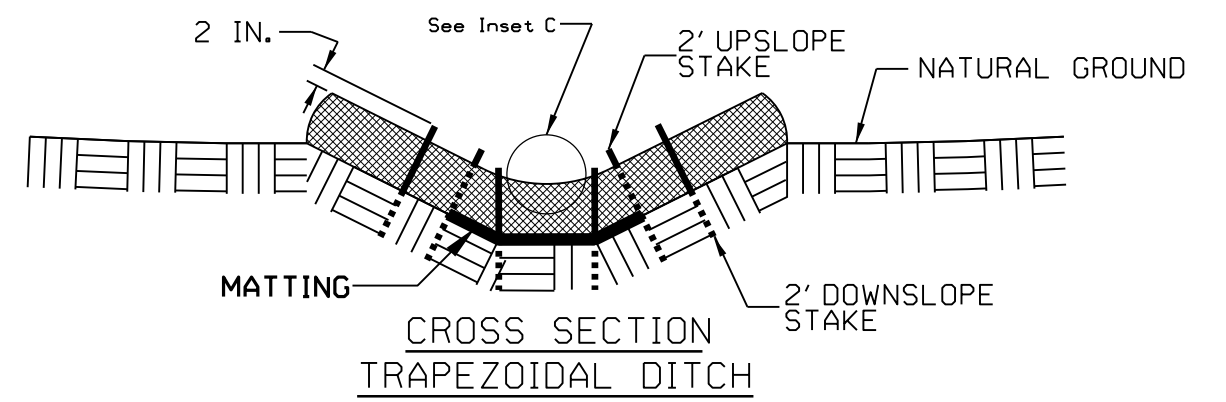
# WATTLE WITH POLYACRYLAMIDE DETAIL



**ISOMETRIC VIEW**



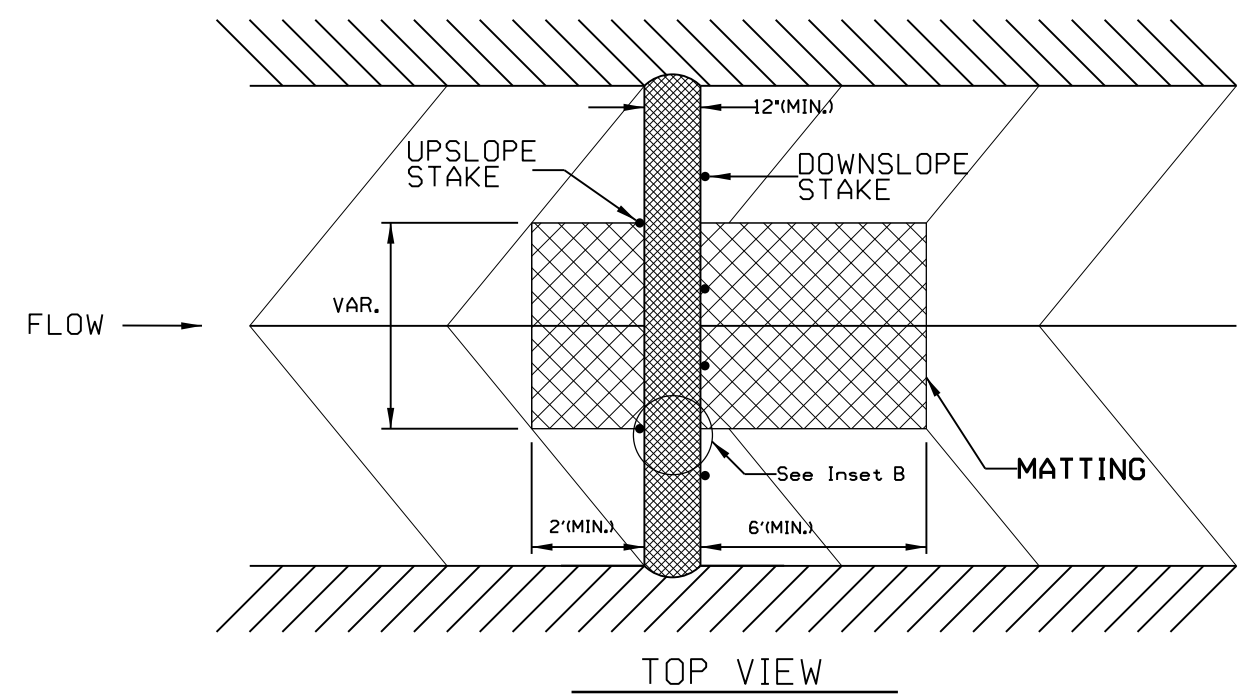
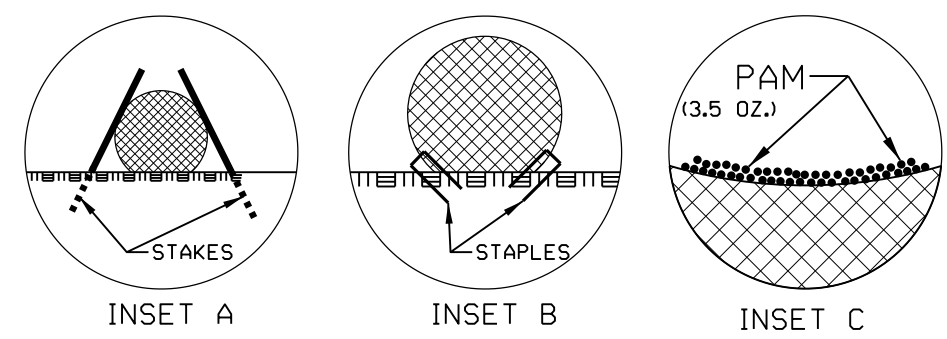
**CROSS SECTION VEE DITCH**



**CROSS SECTION TRAPEZOIDAL DITCH**

**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.

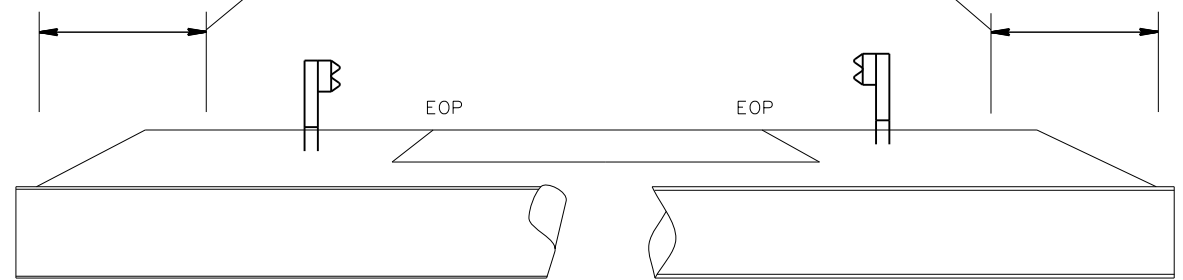


**TOP VIEW**

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

BMP OPTIONS: WATTLE OR SILT FENCE

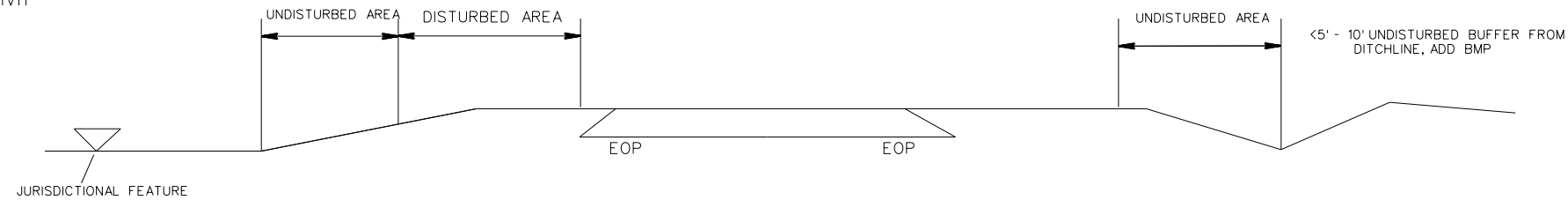
<5' - 10' UNDISTURBED BUFFER ADD BMP



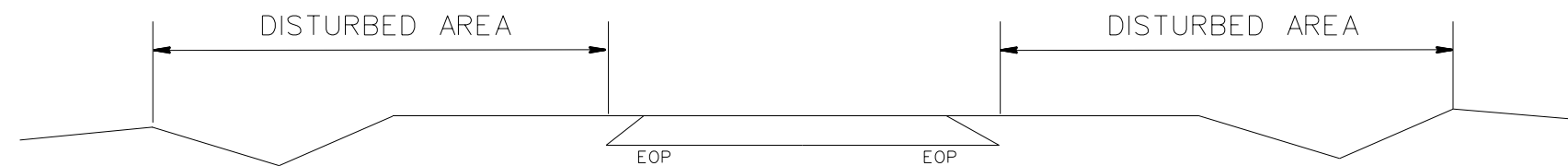
PIPE/CULVERT

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10041 2021CPT.10.09.20041.1 2021CPT.10.09.20041.2 2021CPT.10.09.20042	EC2	
F.A. PROJECT NO.			

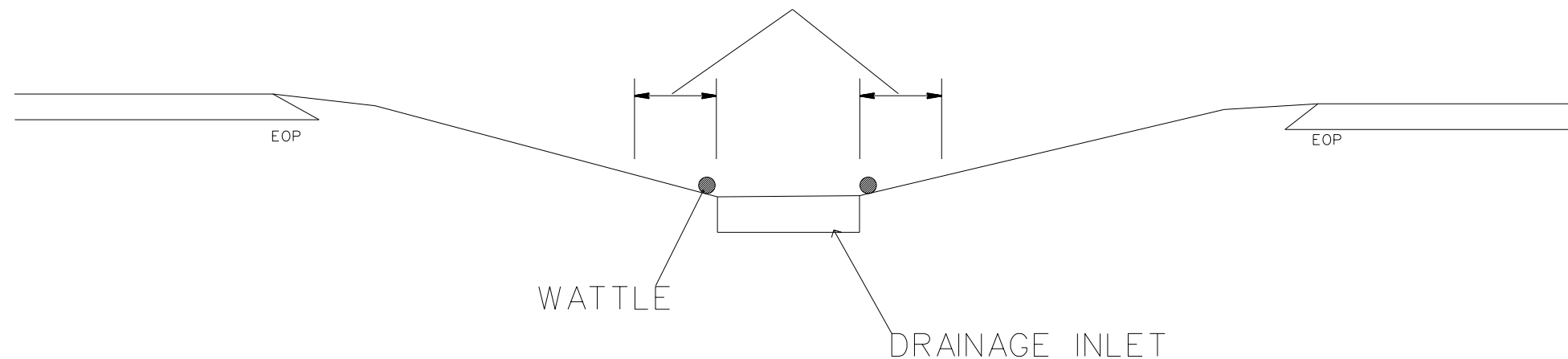
<5' - 10' UNDISTURBED BUFFER FROM JURISDICTIONAL FEATURE ADD BMP



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



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






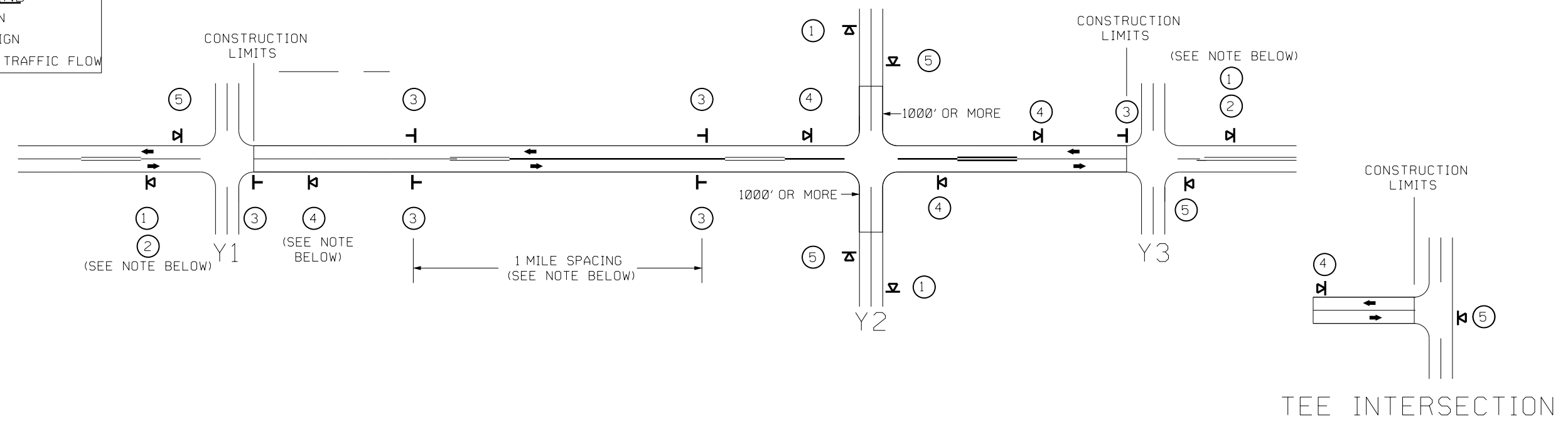
EROSION CONTROL DETAIL

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

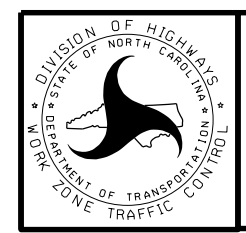
-Y- LINE SIGNING

TEE INTERSECTION

SIGNING NOTES AND PLACEMENT PER DIRECTION	<p>①  W20-1 48" X 48"</p> <p>②  W7-3aP 24" X 18"</p>	<p>- PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>- SIGN #2 ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. 2) SUBDIVISION ROADS 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> <p>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE                  2) SUBDIVISION ROADS                  3) DEAD END ROADS</p> <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>
	<p>③  W8-7 48" X 48"</p> <p> SP 48" X 48"</p>	<p>- ALTERNATE THE FOLLOWING TWO SIGNS:</p> <p>- STARTING WITH "LOOSE GRAVEL" (W8-7) FOLLOWED BY "UNMARKED PAVEMENT".</p> <p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACED 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 0.5 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>	
	<p>④  SP 13106 48" X 48"</p>	<p>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</p> <p>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</p> <p>- 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.</p> <p>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p>	
	<p>⑤  G20-2 A 48" X 24"</p>	<p>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

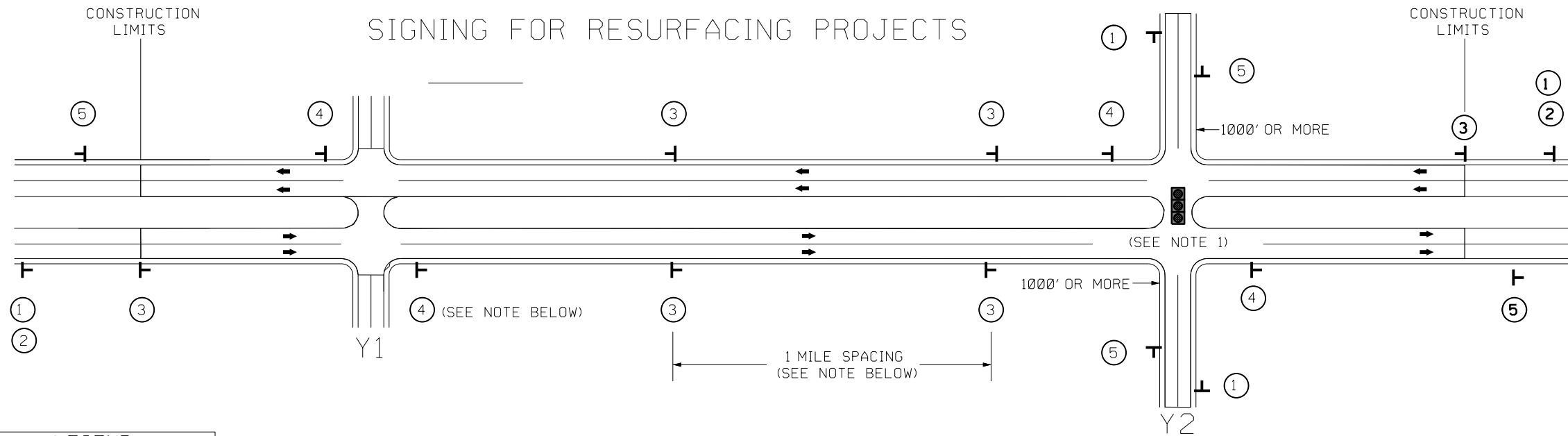
FOR AST RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, USE A STATIONARY "LOOSE GRAVEL" SIGN AT THE BEGINNING CONSTRUCTION LIMIT FOLLOWED BY AN "UNMARKED PAVEMENT" SIGN MIDWAY THROUGH AND AN "END ROAD WORK" SIGN AT THE END CONSTRUCTION LIMIT.



ADVANCE WARNING SIGNS FOR 2-LANE ROADWAY ASPHALT SURFACE TREATMENT

24-NOV-2020 13:22 C:\Users\acouten\Documents\CONTRACTS\Resurfacing\_Raleigh Let Contract\2021-2022\Anson\Resurfacing\_Typicals\Anson\_2020-2021.dgn acouten AT DIV10-301887



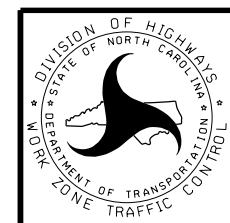


LEGEND	
	STATIONARY SIGN
	DIRECTION OF TRAFFIC FLOW

MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

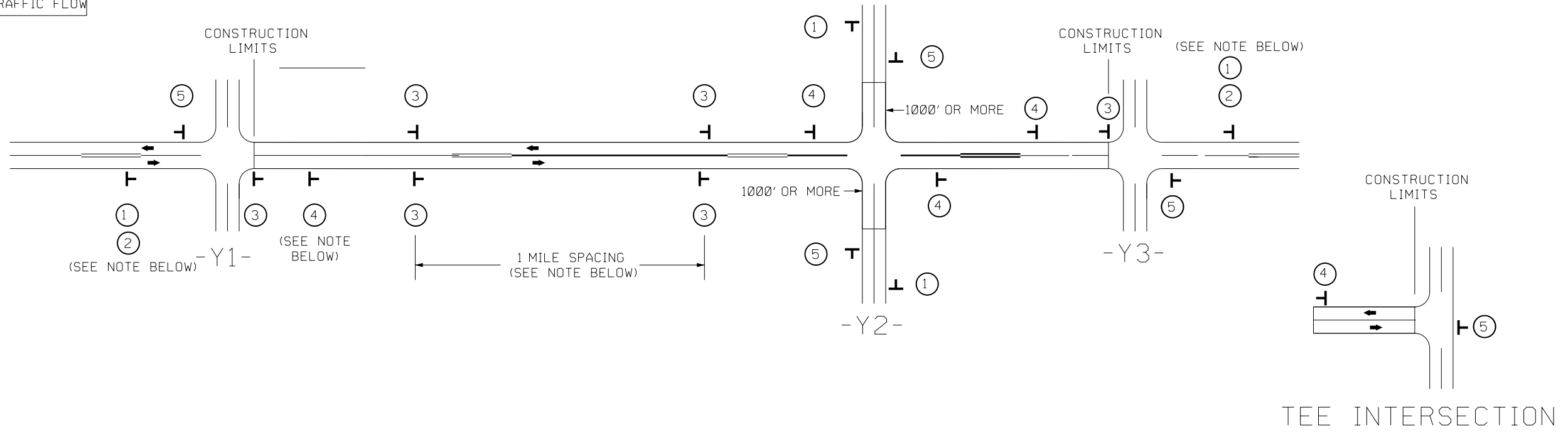
SIGNING NOTES AND PLACEMENT PER DIRECTION	<p>①  PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>②  #2 SIGN ONLY USED WHEN RESURFACING LIMITS ARE 2 OR MORE MILES IN LENGTH. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> <li>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE</li> <li>2) SUBDIVISION ROADS</li> <li>3) DEAD END ROADS</li> </ol> <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, ADVANCE WARNING PORTABLE SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <p> PLACED 500' IN ADVANCE OF FLAGGER.  PLACED 250' IN ADVANCE OF FLAGGER.</p> <p>NOTES:</p> <p>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.</p>
	<p>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.</p>	
	<p>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.</p>	
	<p>⑤  PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS.</p>	



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







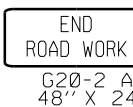
# SIGNING FOR RESURFACING PROJECTS

**LEGEND**  
 STATIONARY SIGN  
 DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

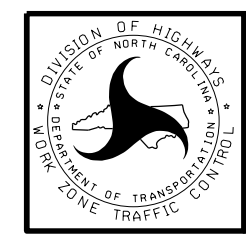
-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	<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  #2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <p>1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE                  2) SUBDIVISION ROADS                  3) DEAD END ROADS</p> <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>                       W20-1                      48" X 48"                      PLACED 500' IN ADVANCE OF FLAGGER.                 </div> <div>                       W20-7 A                      48" X 48"                      PLACED 250' IN ADVANCE OF FLAGGER.                 </div> </div>
	<p>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.</p>	
	<p>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.</p>	
	<p>⑤  PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</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.

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