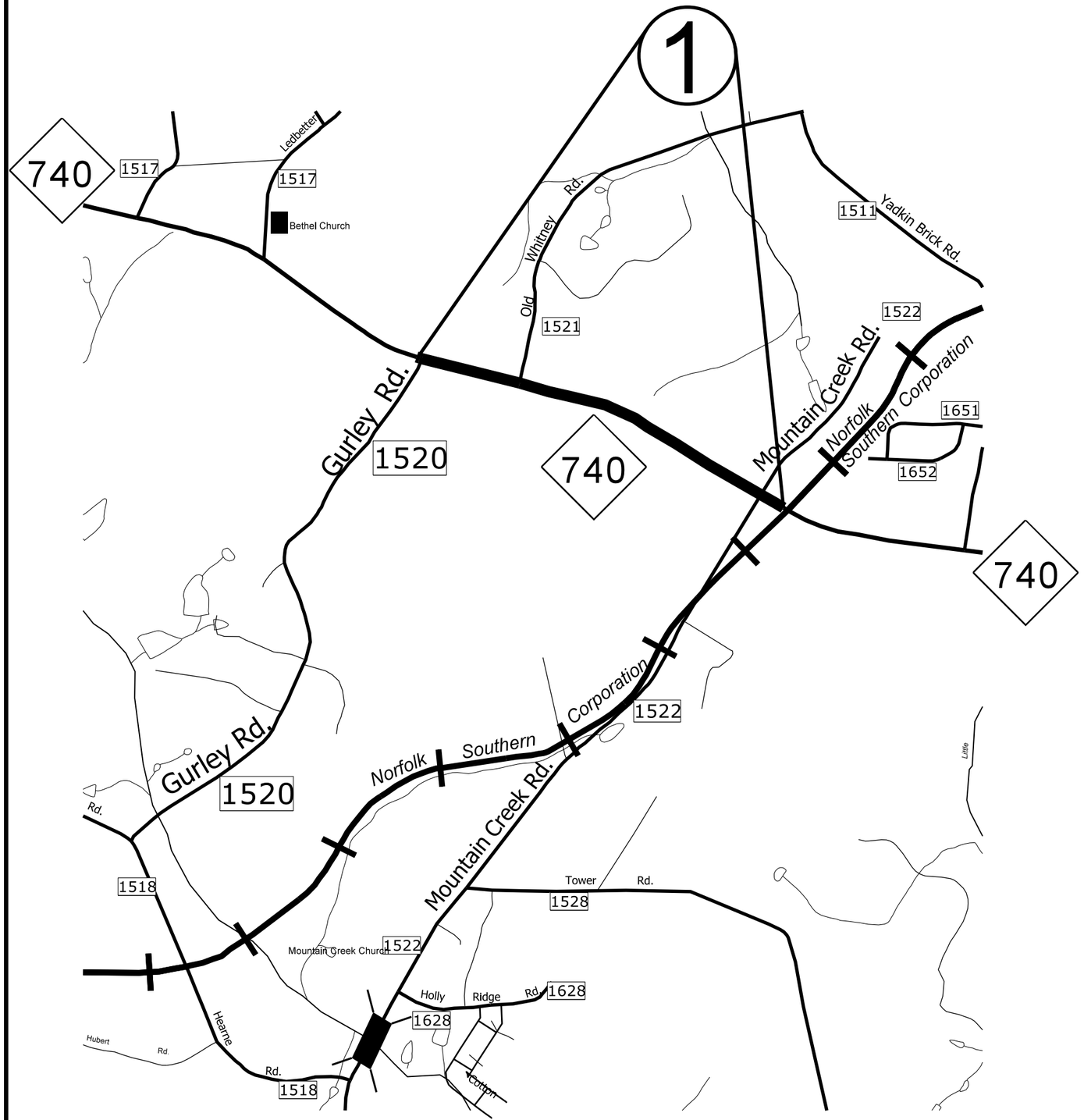
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.02.10841 2021CPT.10.02.20841	1	
F.A. PROJECT NO.			



N

S

ENLARGED MUNICIPAL AND SUBURBAN AREAS

STANLY COUNTY

NORTH CAROLINA

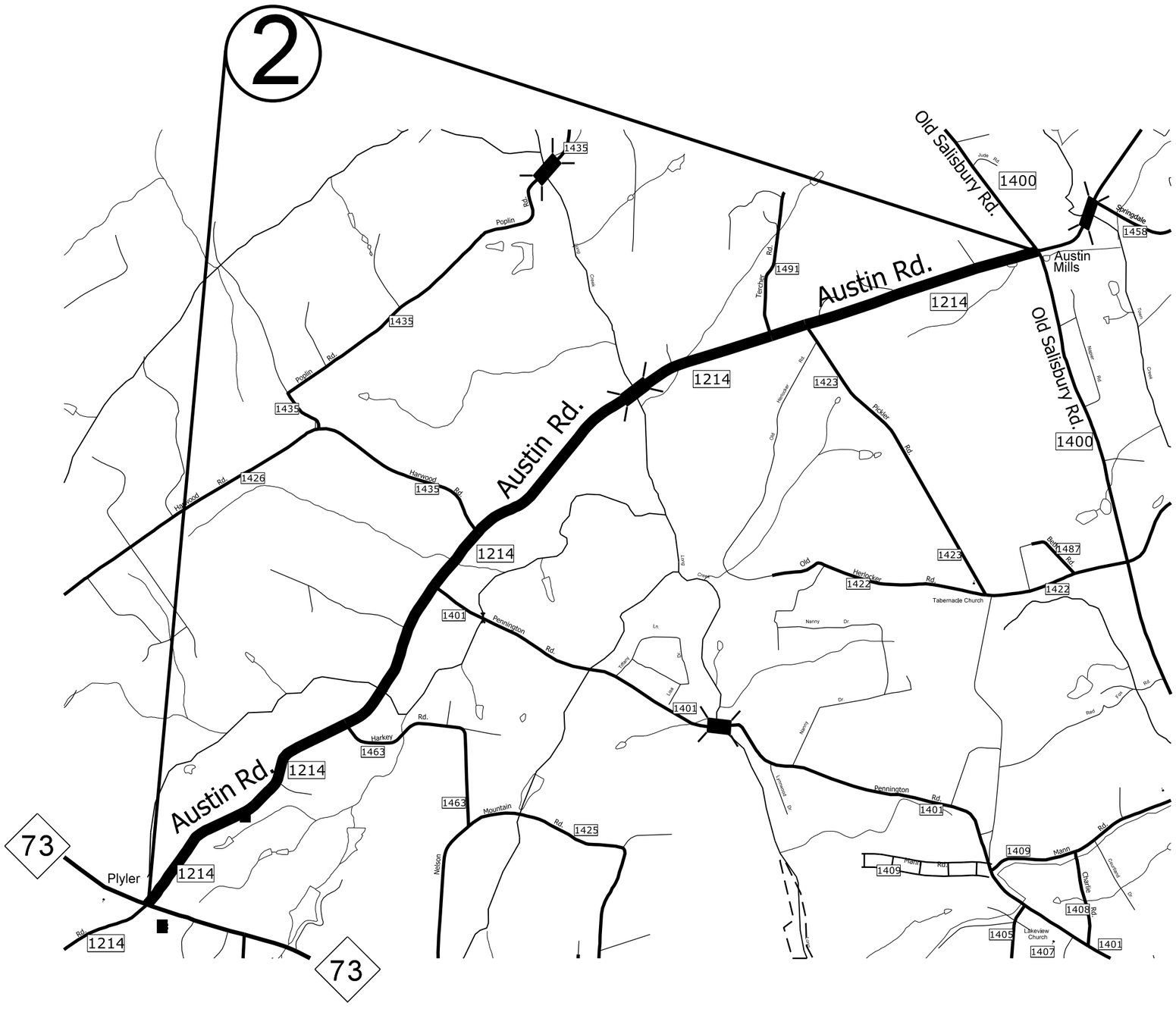
PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP #1 - NC 740 0.89 MILES
FROM THE RAILROAD (MP 9.16)
TO THE PAVEMENT JOINT AT
SR 1520 (GURLEY RD) (MP 10.05)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.02.10841 2021CPT.10.02.20841	2	
F.A. PROJECT NO.			



ENLARGED MUNICIPAL AND SUBURBAN AREAS

STANLY COUNTY

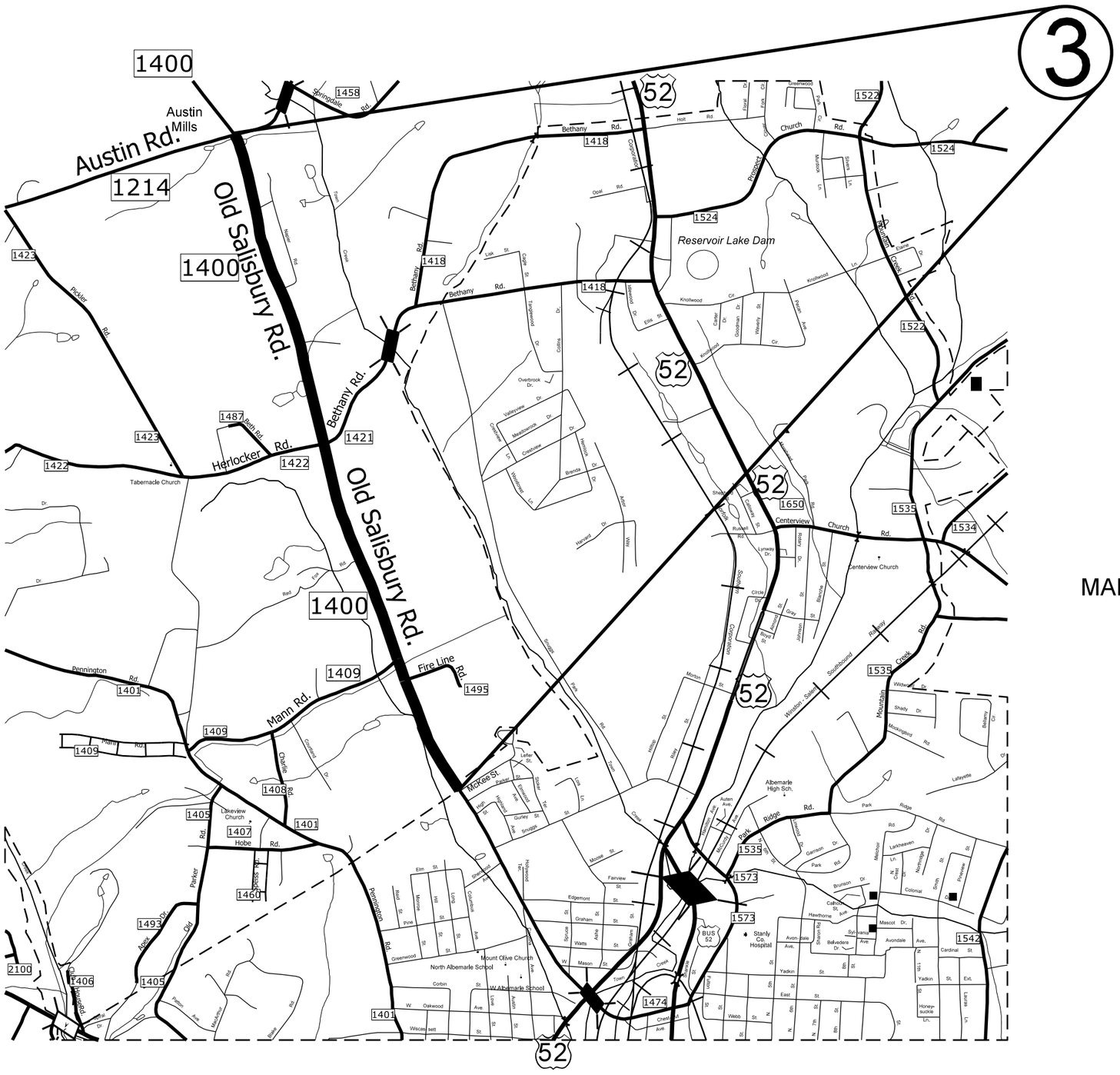
NORTH CAROLINA

PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP #2 - SR 1214 (AUSTIN ROAD) 4.10 MILES
FROM NC73 (MP 10.54)
TO SR 1400 (OLD SALISBURY ROAD) (MP 14.64)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.03.10841 2020CPT.10.03.20841	3	
F.A. PROJECT NO.			



MAP #3 - SR 1400 (OLD SALISBURY ROAD) 2.49 MILES
FROM END CITY LIMITS (MP 0.56)
TO SR 1214 (AUSTIN ROAD) (MP 3.05)

N

S

ENLARGED MUNICIPAL AND SUBURBAN AREAS

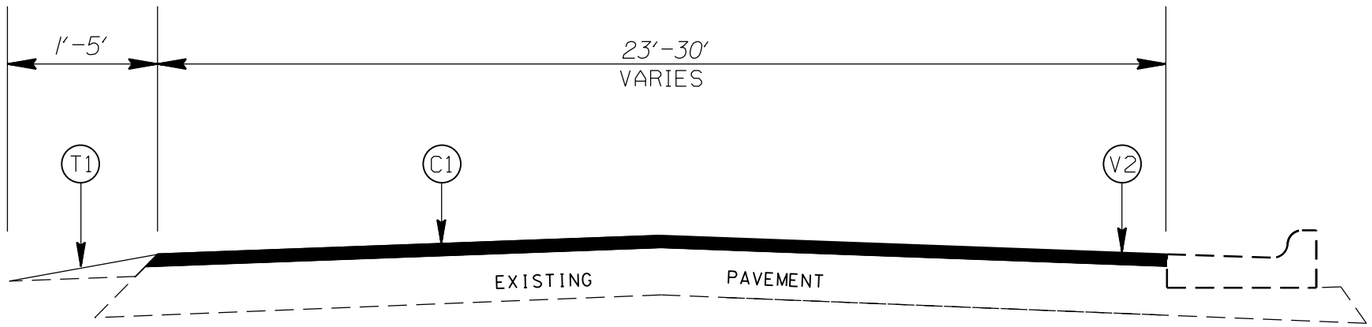
STANLY COUNTY

NORTH CAROLINA

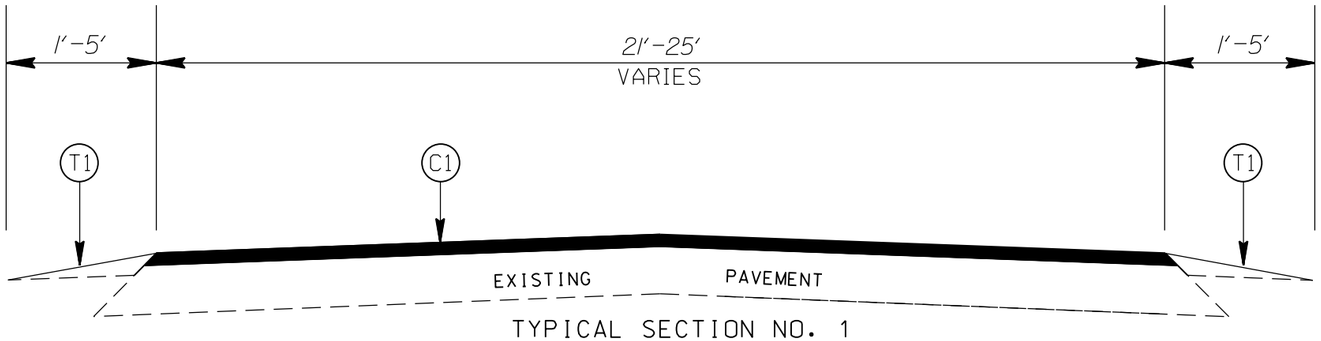
PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

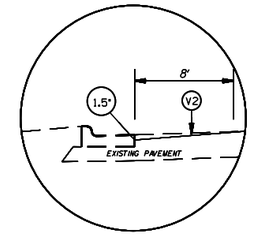
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.03.10841 2020CPT.10.03.20841	4	
F.A. PROJECT NO.			



TYPICAL SECTION NO. 2
SR 1214 - AUSTIN ROAD

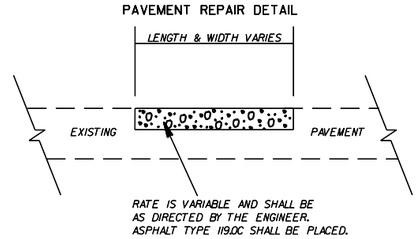


TYPICAL SECTION NO. 1
NC 740
SR 1214 - AUSTIN ROAD
SR 1400 - OLD SALISBURY ROAD

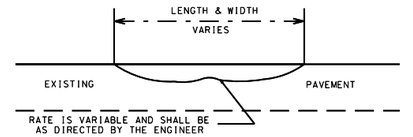


DETAIL FOR PROFILE MILLING (0" TO 1.5")

PAVEMENT REPAIR DETAIL



TYPE S9.5C (LEVELING COURSE)



PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.5"
V2	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)

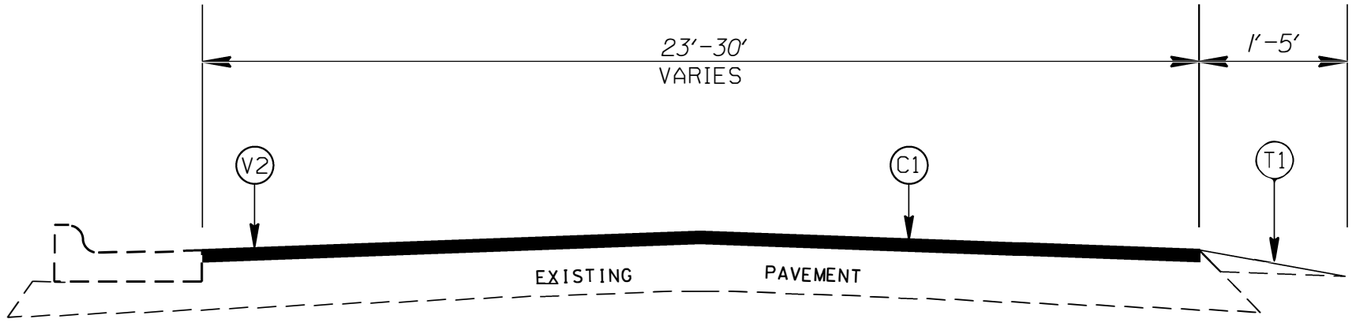
NOTES:
1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER

STANLY COUNTY
RESURFACING FALL 2020

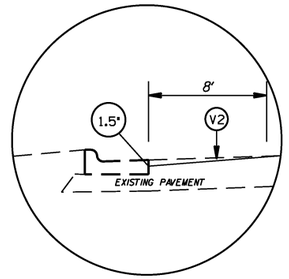
SCALE	-NA-
DATE	8/19
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	

REVISIONS	

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.02.10841 2021CPT.10.02.20841	5	
F.A. PROJECT NO.			

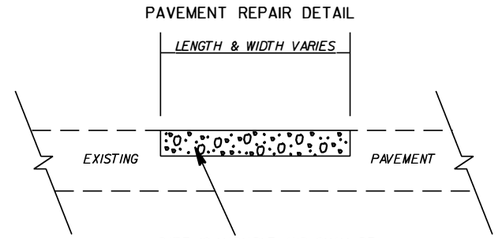


TYPICAL SECTION NO. 4
SR 1214 - AUSTIN ROAD

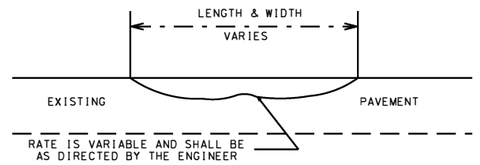


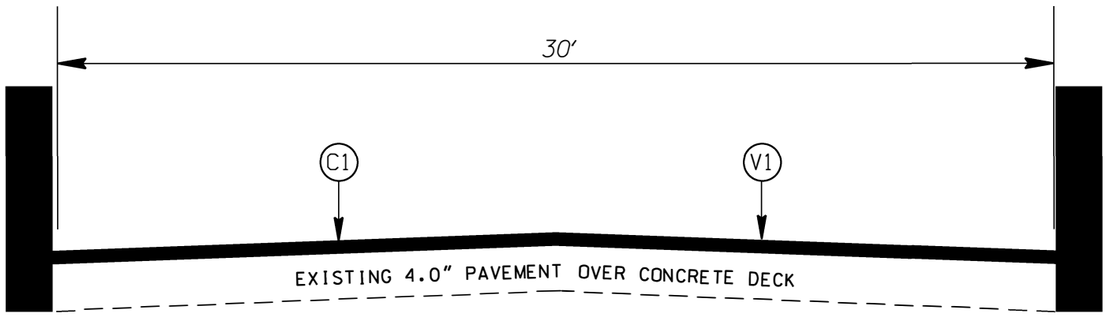
DETAIL FOR PROFILE MILLING (0" TO 1.5")

PAVEMENT REPAIR DETAIL



TYPE S9.5C (LEVELING COURSE)





TYPICAL SECTION NO. 3
SR 1214 - AUSTIN ROAD

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.5"
V2	PROFILE MILLING OF EXISTING ASPHALT, 0"-1.5" (8' WIDTH)

NOTES:
1. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER

STANLY COUNTY
RESURFACING FALL 2020

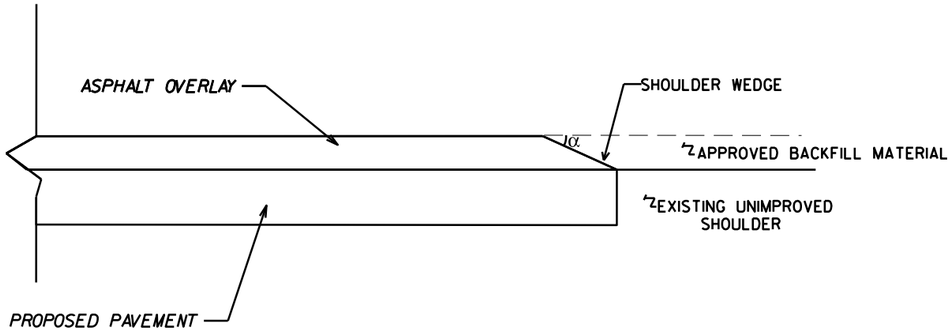
SCALE	-NA-
DATE	9/19
DWG. BY	JWH
DESIGN BY	JWH
APPROVED	

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

REVISIONS	

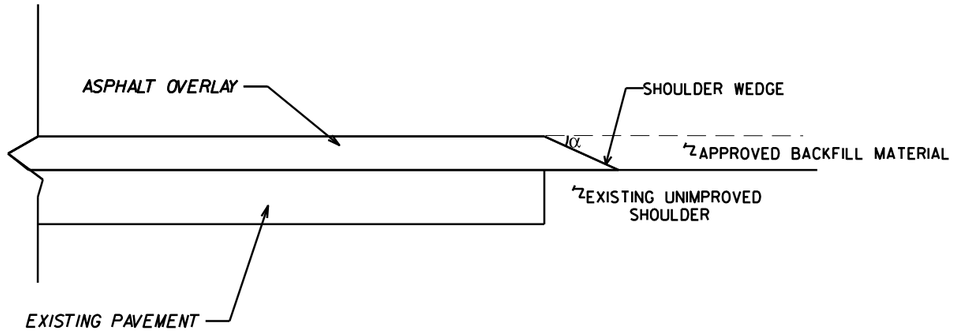
NOTES:
1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS AND SIDE STREETS.

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2020CPT.10.02.10131 2020CPT.10.02.20131	6	
F.A. PROJECT NO.			



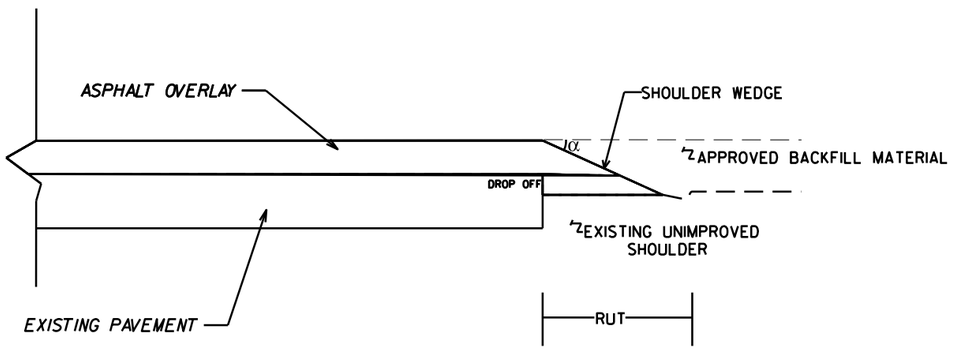
SHOULDER WEDGE DETAIL

(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)

α = 30 DEGREES

SHOULDER WEDGE DETAILS

		REVISIONS	
SCALE	-NA-		
DATE	2/18		
DWG. BY	JAB		
DESIGN BY	JAB		
APPROVED	JAB		

PROJECT NO.	SHEET NO.	TOTAL NO.
2021CPT.10.02.10841, 2021CPT.10.02.20841	7	

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 BORROW	1220000000-E INCIDENTAL STONE BASE	1245000000-E SHOULDER RECONSTRUCTION	1297000000-E 1.5" MILLING	1308000000-E 0" TO 1.5" MILLING	1330000000-E INCIDENTAL MILLING	1523000000-E SURFACE COURSE, S9.5C	1524000000-E LEVELING COURSE, S9.5C	1575000000-E ASPHALT BINDER FOR PLANT MIX	1704000000-E PATCHING EXISTING PAVEMENT	2612000000-E 6" DRIVEWAYS	2845000000-N ADJ. OF METER OR VALVE BOX	6071010000-E WATTLE	6071020000-E POLYACRYLAMIDE (PAM)
										MI	FT	CY	TONS	SMI	SY	SY	SY	TONS	TONS	TONS	TONS	SY	EA	LF	LB
2021CPT.10.02.10841	Stanly	1	NC 740	FROM THE PAVEMENT JOINT AT THE RAILROAD (MP 9.16) TO PAVEMENT JOINT AT SR 1520 (GURLEY ROAD)(MP 10.05)	1	2		NO	NO	0.886	23	130	45	1.78			250	1,200	225	87	325	20	1	60	1
TOTAL FOR MAP NO. 1										**0.886**		**130**	**45**	**1.78**			**250**	**1,200**	**225**	**87**	**325**	**20**	**1**	**60**	**1**
TOTAL FOR PROJ NO. 2021CPT.10.02.10841										**0.886**		**130**	**45**	**1.78**			**250**	**1,200**	**225**	**87**	**325**	**20**	**1**	**60**	**1**
2021CPT.10.02.20841	Stanly	2	SR 1214 - AUSTIN ROAD	FROM NC 73 (MP 10.54) TO SR 1400 (OLD SALISBURY ROAD) (MP 14.64)	1, 2, 3, 4	2		NO	NO	4.1	21	570	100	8.20	470	400	225	4,975	500	331	1,230	342		200	1
TOTAL FOR MAP NO. 2										**4.1**		**570**	**100**	**8.20**	**470**	**400**	**225**	**4,975**	**500**	**331**	**1,230**	**342**		**200**	**1**
2021CPT.10.02.20841	Stanly	3	SR 1400 (OLD SALISBURY ROAD)	FROM END CITY LIMITS (MP 0.56) TO SR 1214 (AUSTIN ROAD)(MP 3.05)	1	2		NO	NO	2.49	25	230	100	5.00			475	3,675	600	260	1,150	165	5	100	1
TOTAL FOR MAP NO. 3										**2.49**		**230**	**100**	**5.00**			**475**	**3,675**	**600**	**260**	**1,150**	**165**	**5**	**100**	**1**
TOTAL FOR PROJ NO. 2021CPT.10.02.20841										**6.59**		**800**	**200**	**13.20**	**470**	**400**	**700**	**8,650**	**1,100**	**591**	**2,380**	**507**	**5**	**300**	**2**
GRAND TOTAL										**7.476**		**930**	**245**	**14.98**	**470**	**400**	**950**	**9,850**	**1,325**	**678**	**2,705**	**527**	**6**	**360**	**3**

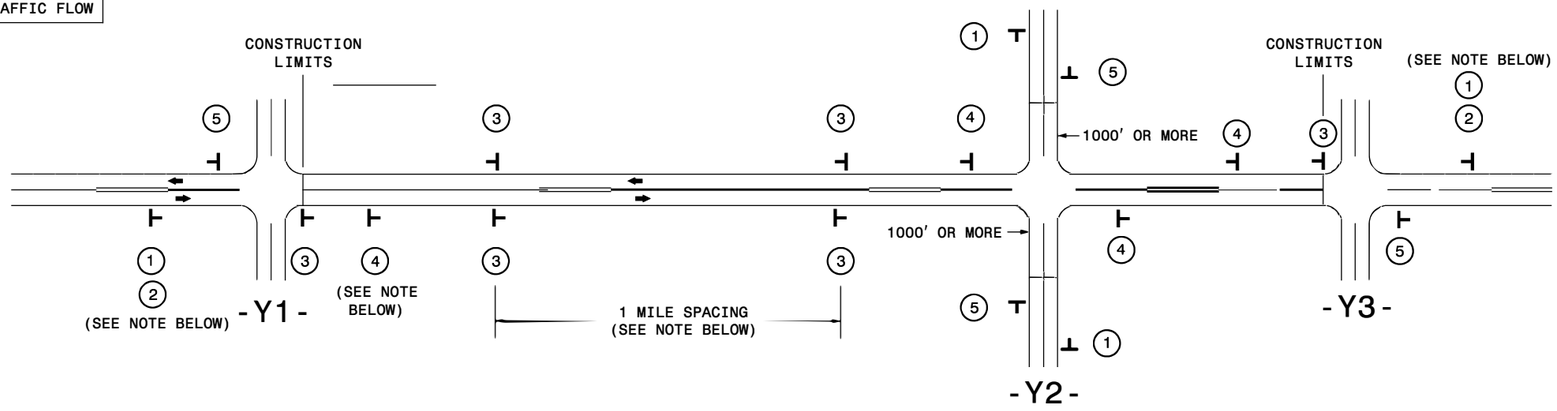
THERMOPLASTIC AND PAINT QUANTITIES

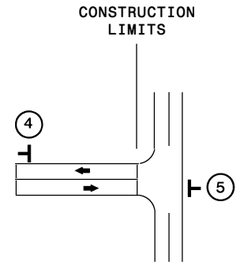
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E WORK ZONE ADVANCE/GENERAL WARNING SIGNING	4457000000-N TEMPORARY TRAFFIC CONTROL	4700000000-E THERMOPLASTIC PAVEMENT MARKINGLINES (12", 90 MILS)	4725000000-E THERMO LT ARROW 90 M	4890000000-E 4" X 90 M WHITE THERMO - HRM	4890000000-E 4" X 90 M YELLOW THERMO - HRM	4890000000-E 16" X 90 M WHITE THERMO	4890000000-E THERMO RXR 90 M	4890000000-E 24" X 90 M WHITE THERMO
								MI	FT	SF	LS	LF	EA	LF	LF	LF	LF	LF
2021CPT.10.02.10841	Stanly	1	NC 740	FROM THE PAVEMENT JOINT AT THE RAILROAD (MP 9.16) TO PAVEMENT JOINT AT SR 1520 (GURLEY ROAD)(MP 10.05)	1	2		0.886	23		0.13			9,700	7,500	90	4	50
TOTAL FOR MAP NO. 1								**0.886**			**0.13**			**9,700**	**7,500**	**90**	**4**	**50**
TOTAL FOR PROJ NO. 2021CPT.10.02.10841								**0.886**			**0.13**			**9,700**	**7,500**	**90**	**4**	**50**
2021CPT.10.02.20841	Stanly	2	SR 1214 - AUSTIN ROAD	FROM NC 73 (MP 10.54) TO SR 1400 (OLD SALISBURY ROAD) (MP 14.64)	1, 2, 3, 4	2		4.1	21	460.0	0.49			44,000	39,100			40
TOTAL FOR MAP NO. 2								**4.1**		**460.0**	**0.49**			**44,000**	**39,100**			**40**
2021CPT.10.02.20841	Stanly	3	SR 1400 (OLD SALISBURY ROAD)	FROM END CITY LIMITS (MP 0.56) TO SR 1214 (AUSTIN ROAD)(MP 3.05)	1	2		2.49	25	279.0	0.38	100	3	27,500	23,900			85
TOTAL FOR MAP NO. 3								**2.49**		**279**	**0**	**100**	**3**	**27,500**	**23,900**			**85**
TOTAL FOR PROJ NO. 2021CPT.10.02.20841								**6.59**		**739**	**1**	**100**	**3**	**71,500**	**63,000**			**125**
GRAND TOTAL								**7.476**		**739**	**1**	**100**	**3**	**81,200**	**70,500**	**90**	**4**	**175**

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.02.10841 2021CPT.10.02.20841	8	
F.A. PROJECT NO.			

SIGNING FOR RESURFACING PROJECTS

LEGEND
⊢ STATIONARY SIGN
⬅ DIRECTION OF TRAFFIC FLOW





TEE INTERSECTION

MAINLINE (-L-) SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION

1 2	ROAD WORK AHEAD W20-1 48″ X 48″ NEXT XX MILES W7-3aP 24″ X 18″	PLACE 1000′ PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000′ ALONG -Y- LINE. #2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER.(NO FRACTIONAL OR DECIMAL NUMBERS)
3	LOW SOFT SHOULDER SP 13107 48″ X 48″	- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY ½ MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.
4	ROAD UNDER CONST 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	END ROAD WORK 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.

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

MAPS LESS THAN 2 MILES

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

-Y- LINE SIGNING

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

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.

ROAD WORK AHEAD W20-1 48″ X 48″
PLACED 500′ IN ADVANCE OF FLAGGER.

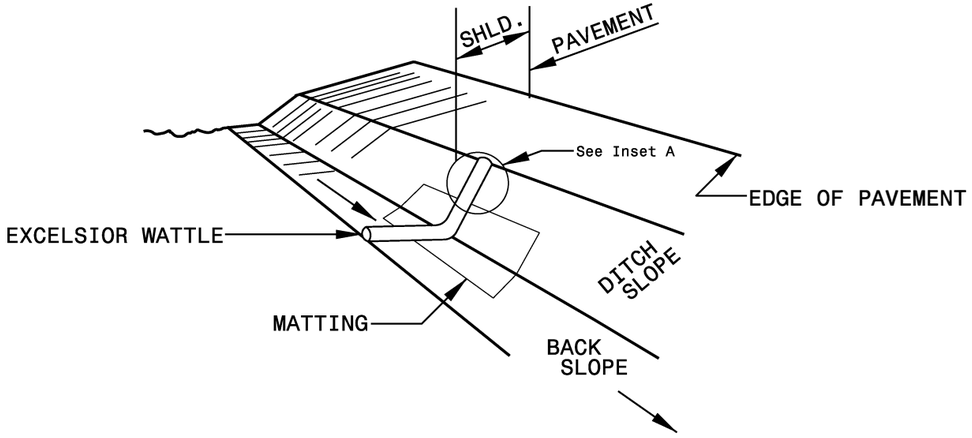
W20-7 A 48″ X 48″
PLACED 250′ IN ADVANCE OF FLAGGER.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

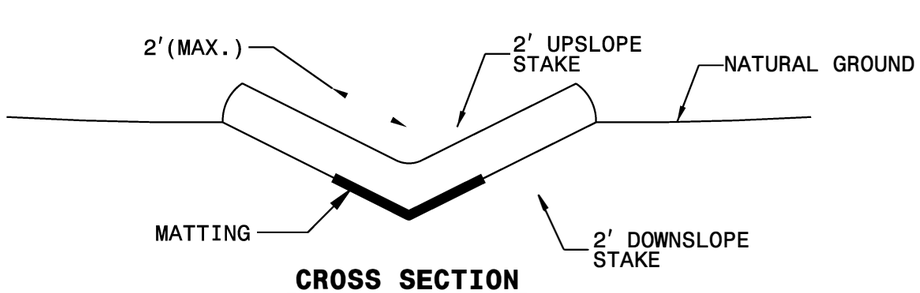
ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

WATTLE WITH POLYACRYLAMIDE DETAIL

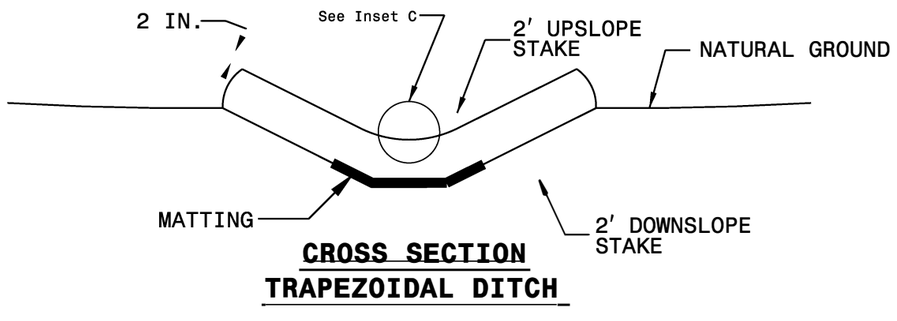
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	202ICPT.10.02.10841 202ICPT.10.02.20841	9	
F.A. PROJECT NO.			



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.

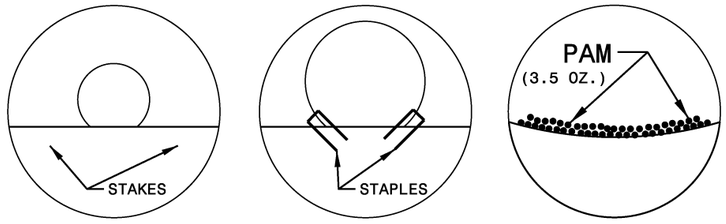
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12″ IN LENGTH.

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

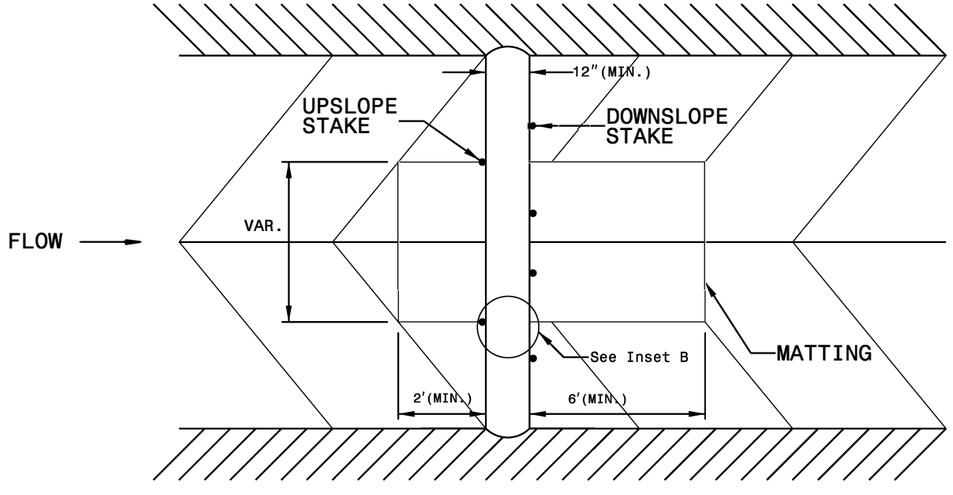
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

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.



INSET A INSET B INSET C



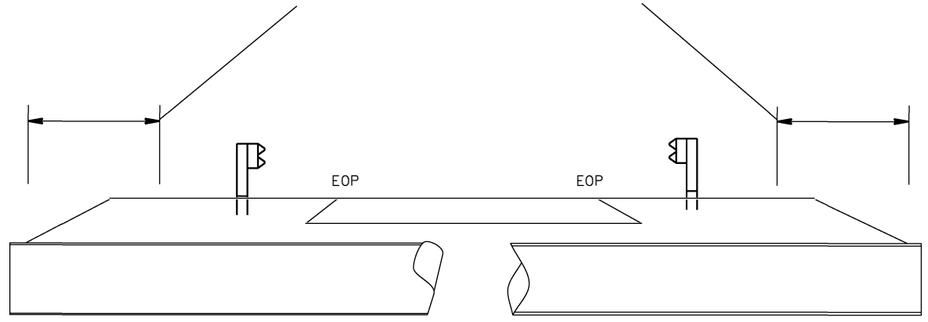
TOP VIEW

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.02.10841 2021CPT.10.02.20841	10	
F.A. PROJECT NO.			

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

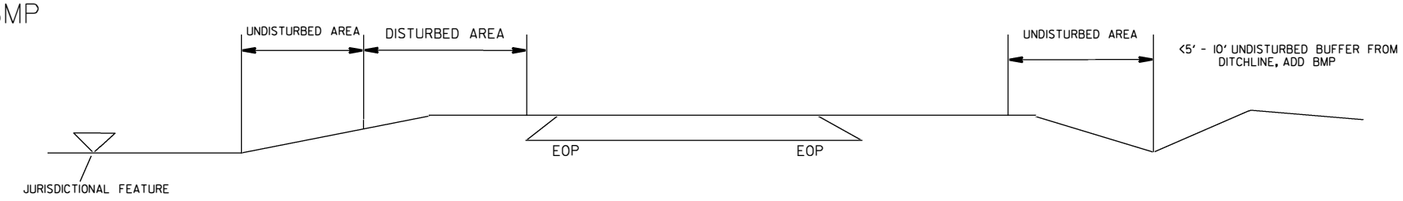
BMP OPTIONS: WATTLE OR SILT FENCE

<5' - 10' UNDISTURBED BUFFER ADD BMP



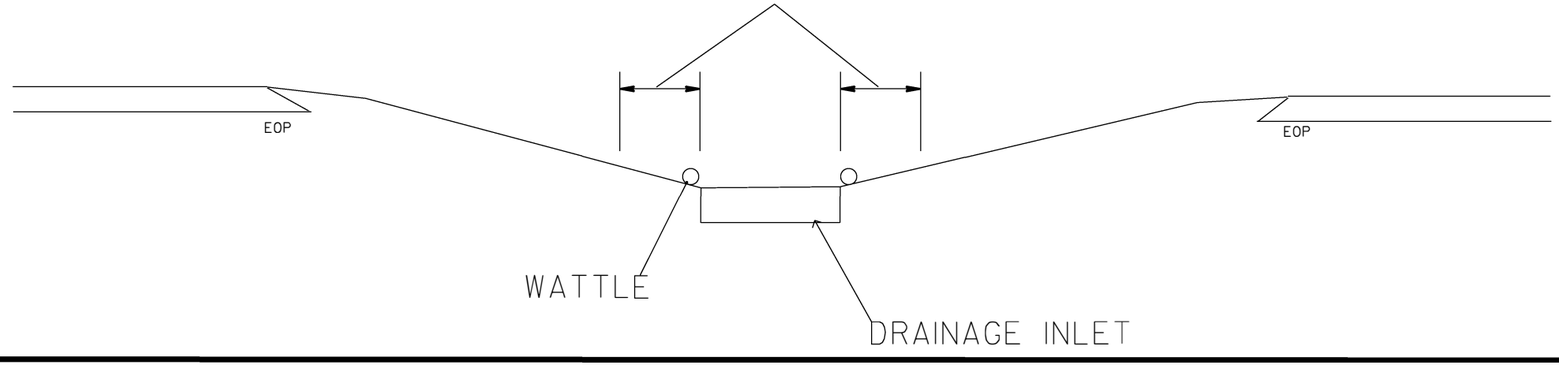
PIPE/CULVERT

<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-
DATE	2/18
DWG. BY	JAB
DESIGN BY	JAB
APPROVED	JAB

REVISIONS	