

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.14.10131 2023CPT.10.14.20131	3	14

F.A. PROJECT NO.



ENLARGED MUNICIPAL AND SUBURBAN AREAS

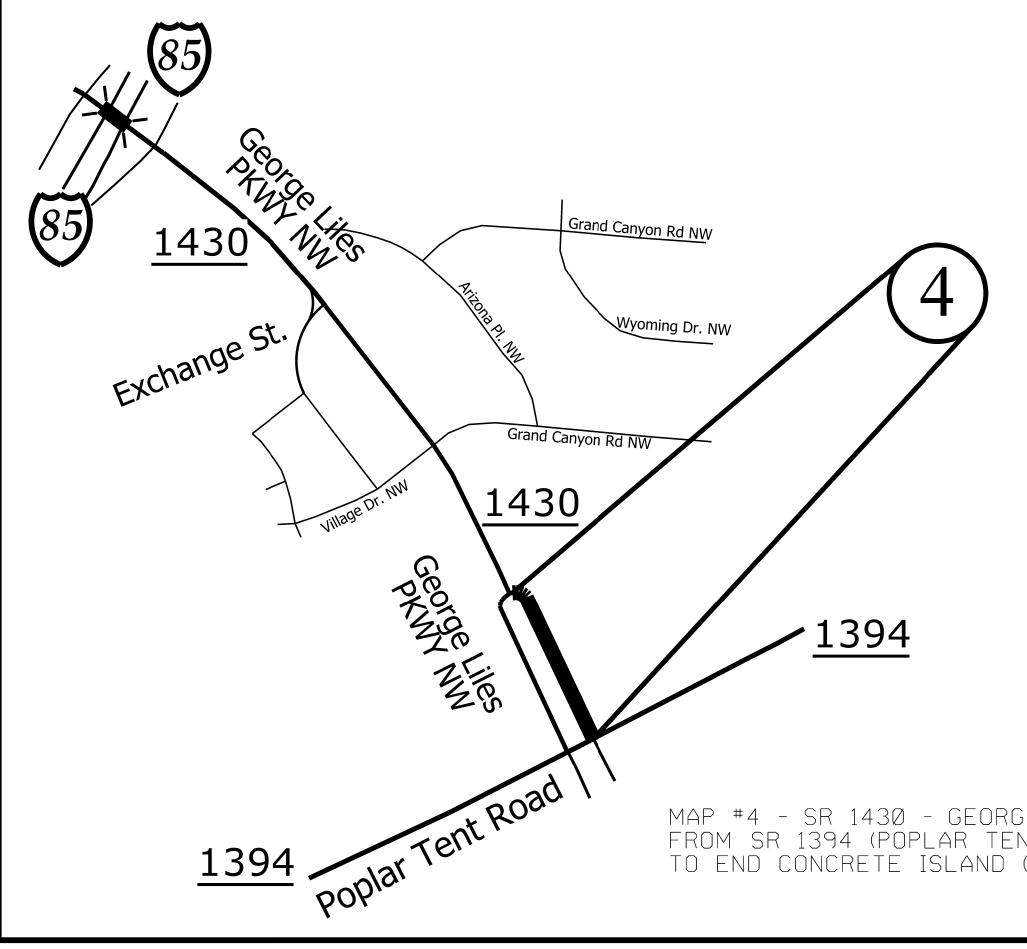
CABARRUS COUNTY

NORTH CAROLINA

REPARED BYTHTHE

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

MAP #3 - SR 1430 - GEORGE W.LILES PARKWAY NW 0.34 MILES FROM EXCHANGE STREET (MP 5.74)
TO SR 1394 (POPLAR TENT ROAD) (MP 6.08)



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.14.10131 2023CPT.10.14.20131	4	14
	F.A. PROJECT NO.		



ENLARGED MUNICIPAL AND SUBURBAN AREAS

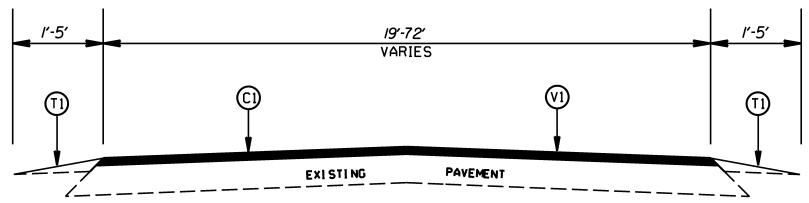
CABARRUS COUNTY

NORTH CAROLINA

PREPARED IS YIHTHE

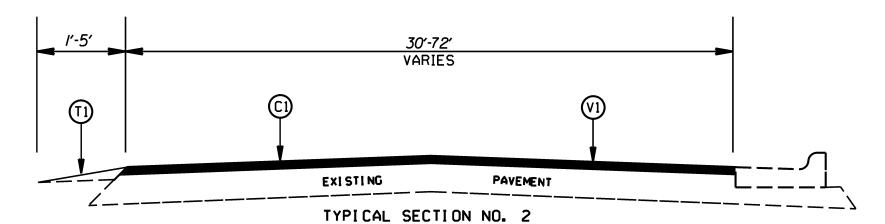
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1

MAP #4 - SR 1430 - GEORGE W.LILES PARKWAY NW 0.12 MILES FROM SR 1394 (POPLAR TENT ROAD) (MP 4.06)
TO END CONCRETE ISLAND (MP 4.18)

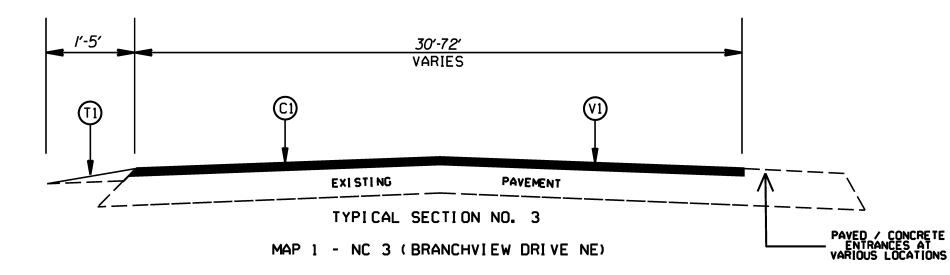


TYPICAL SECTION NO. 1

MAP 1 - NC 3 (BRANCHVIEW DRIVE NE)
MAP 2 - SR 1430 (KANNAPOLIS PARKWAY)



MAP 1 - NC 3 (BRANCHVIEW DRIVE NE)



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.14.10131 2023CPT.10.14.20131	Ŋ	14
F.A. PROJECT NO.			

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.50° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C. AT AN AVERAGE RATE OF 168 LBS. PER SO. YDS.
T1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.50

CABARRUS COUNTY RESURFACING SPRING 2022

-NA-10/21 JWH JWH

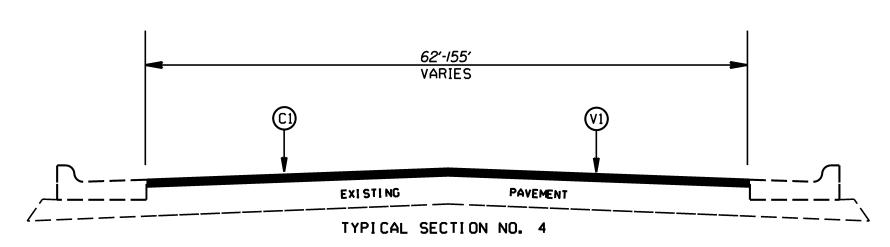


REVISIONS

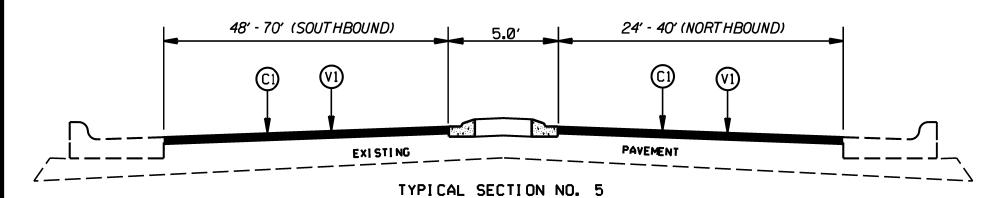
SCALE
DATE
DWG. BY
I. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER

APPROVED

APPROVED



MAP 2 - SR 1430 (KANNAPOLIS PARKWAY)
MAP 3 - SR 1430 (GEORGE W. LILES PARKWAY NW)



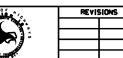
MAP 3 - SR 1430 (GEORGE W. LILES PARKWAY NW) (SOUTHBOUND)
MAP 4 - SR 1430 (GEORGE W. LILES PARKWAY NW) (NORTHBOUND)

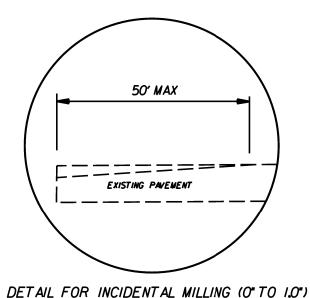
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.14.10131 2023CPT.10.14.20131	6)	14
	F.A. PROJECT NO.		

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.50° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C. AT AN AVERAGE RATE OF 168 LBS. PER SO. YDS.
T1	SHOULDER RECONSTRUCTION
٧1	MILLING OF EXISTING PAVEMENT, 1.50

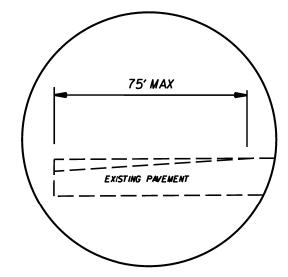
CABARRUS COUNTY RESURFACING SPRING 2022





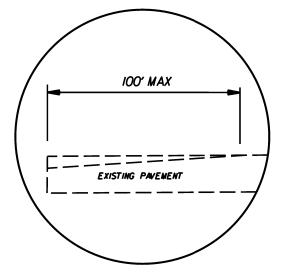


TIE-IN



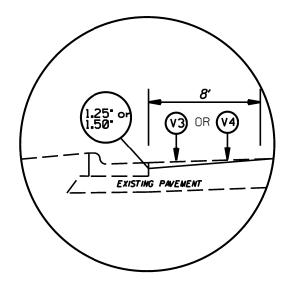
DETAIL FOR INCIDENTAL MILLING (O'TO 1.5")

TIE-IN

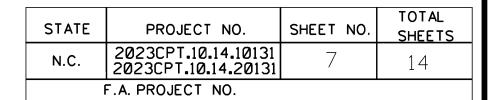


DETAIL FOR INCIDENTAL MILLING (O'TO 2.0")

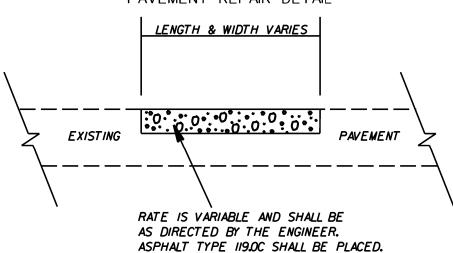
TIE-IN



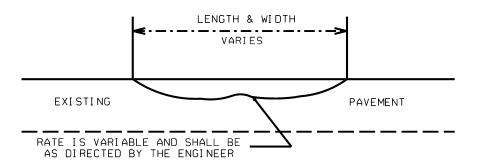
DETAIL FOR PROFILE MILLING (O'TO 1.25") OR (O'TO 1.50")



PAVEMENT REPAIR DETAIL



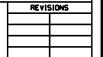
TYPE S9.5B OR S9.5C (LEVELING COURSE)



PATCHING, LEVELING, MILLING,
PROFILE MILLING DETAILS

SCALE	-NA-
DATE	11/21
DWG. BY	JAB
DESIGN BY	JAB
APPROVED	JAB

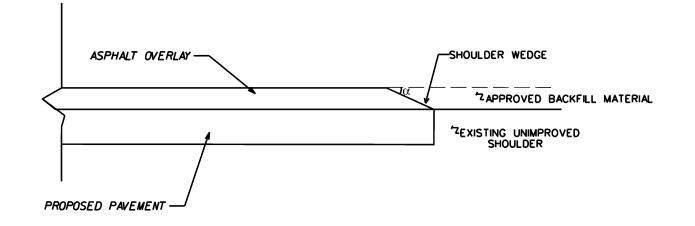


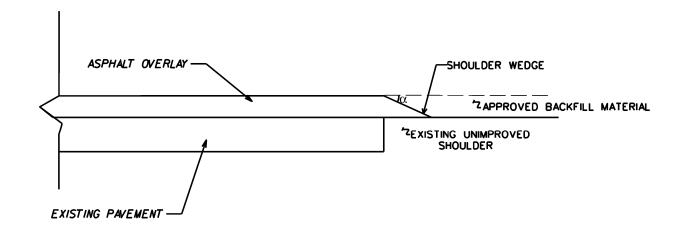


NOTES:

- 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.	2023CPT.10.14.10131 2023CPT.10.14.20131	8	14
I	F.A. PROJECT NO.		



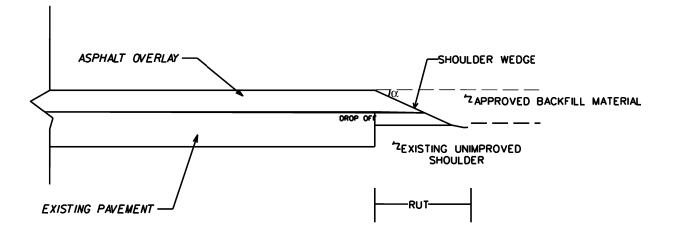


SHOULDER WEDGE DETAIL

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

SHOULDER WEDGE DETAIL

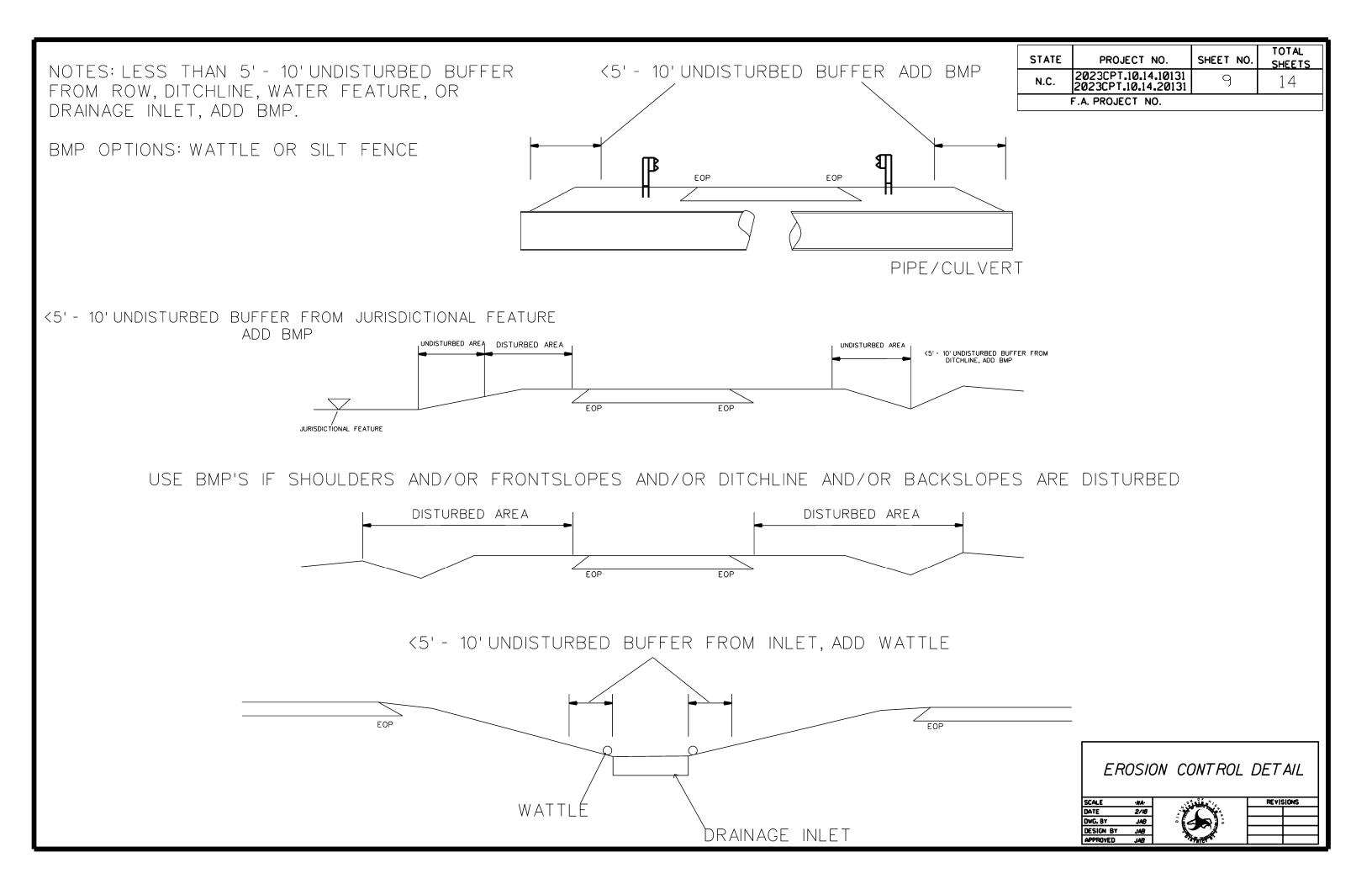
(RESURFACING PROJECTS W/ NO WIDENING)



 $\mathbf{C} = 30 \text{ DEGREES}$

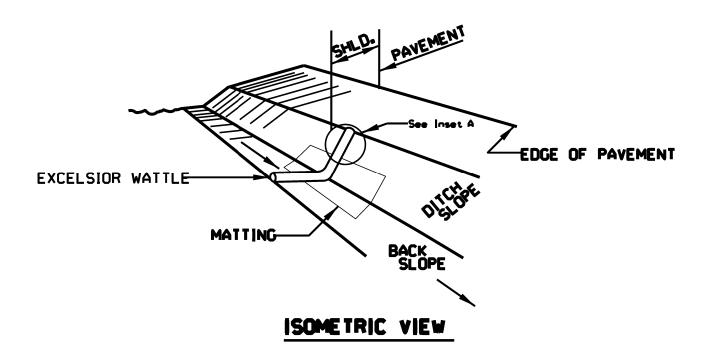
SHOULDER WEDGE DETAIL (RESURFACING ADJACENT TO RUTTED SHOULDER)

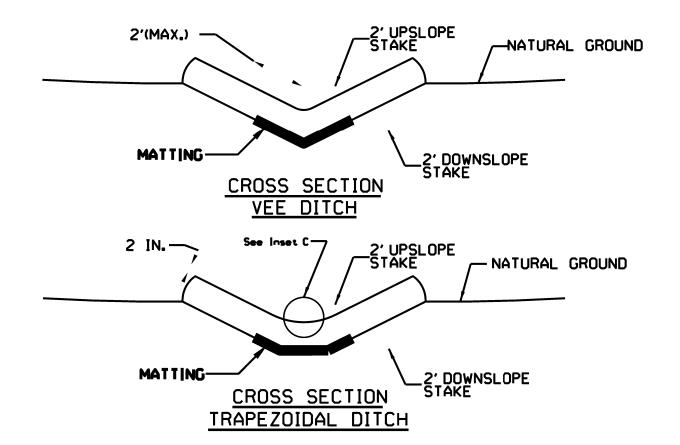
	SHOULDER WEDGE DETAILS		
SCALE	·MA·	,0% ,0% ,~/,_	REVISIONS
DATE	2/18	A CONTRACTOR OF THE PARTY OF TH	
DWG. BY	JAB		
DESIGN BY	JAB		
APPROVED	JAB	×	



WATTLE WITH POLYACRYLAMIDE DETAIL

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.14.10131 2023CPT.10.14.20131	1Ø	14
1	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.

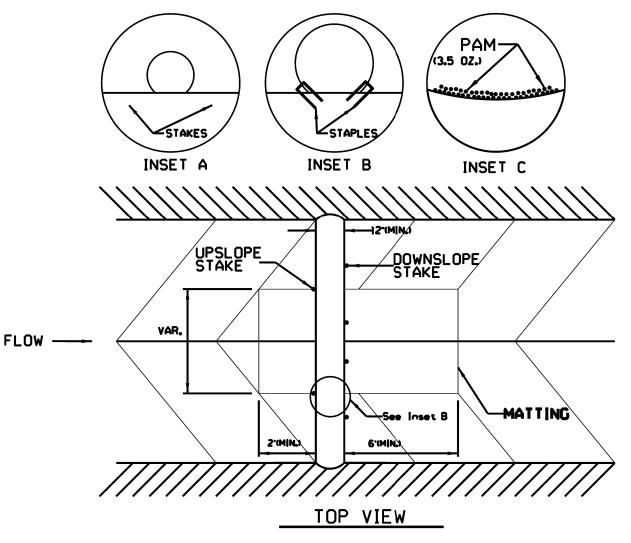
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

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.

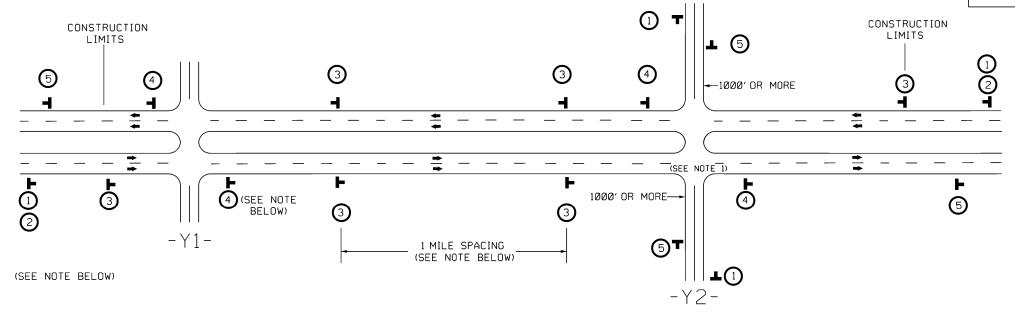
INITIALLY APPLY 3.5 OUNCES OF ANIONIC OR NEUTRALLY CHARGED POLYACRYLAMIDE (PAM) OVER WATTLE WHERE WATER WILL FLOW AND AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 0.50 IN.



LFGFND ► STATIONARY SIGN ← DIRECTION OF TRAFFIC FLOW

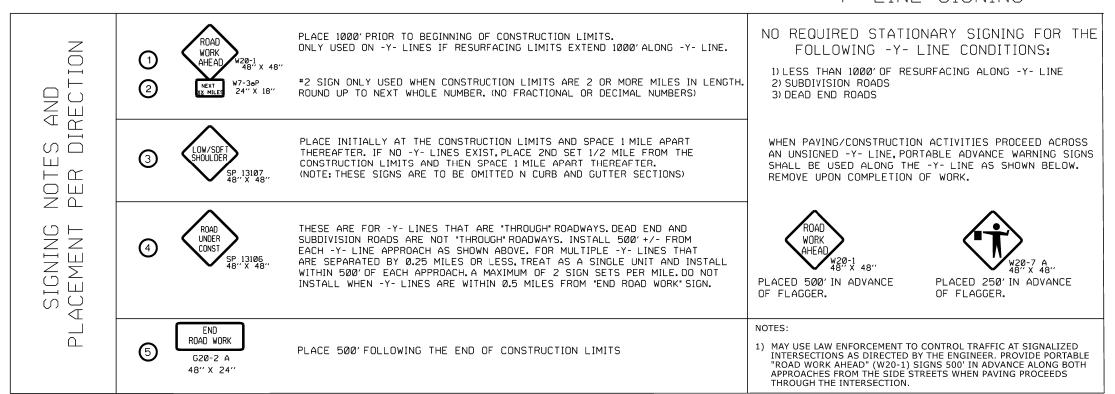
SIGNING FOR RESURFACING PROJECTS

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2023CPT.10.14.10131 2023CPT.10.14.20131	11	14
	F.A. PROJECT NO.		



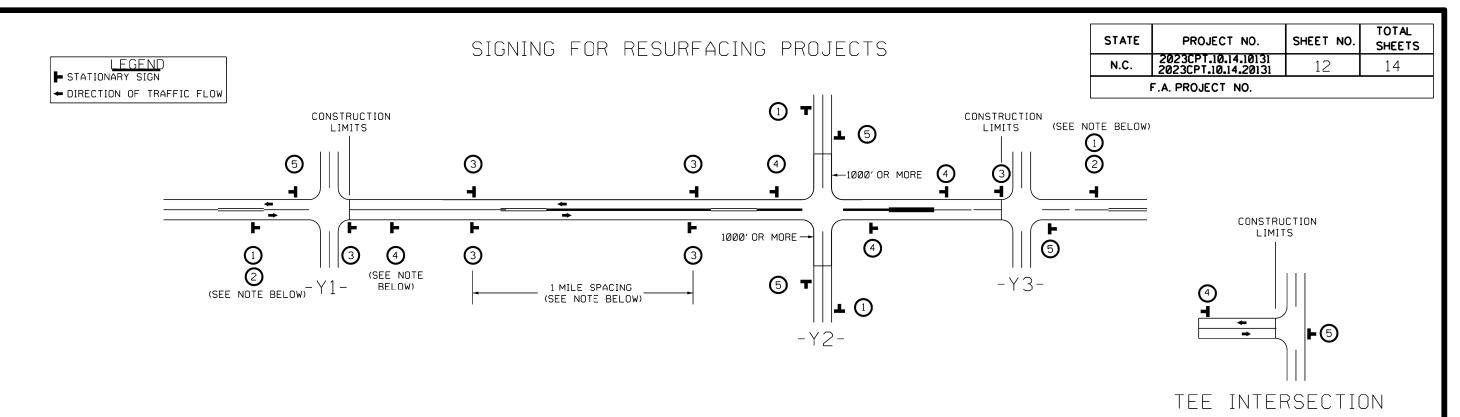
MAINLINE (-L-) SIGNING

-Y- LINE SIGNING



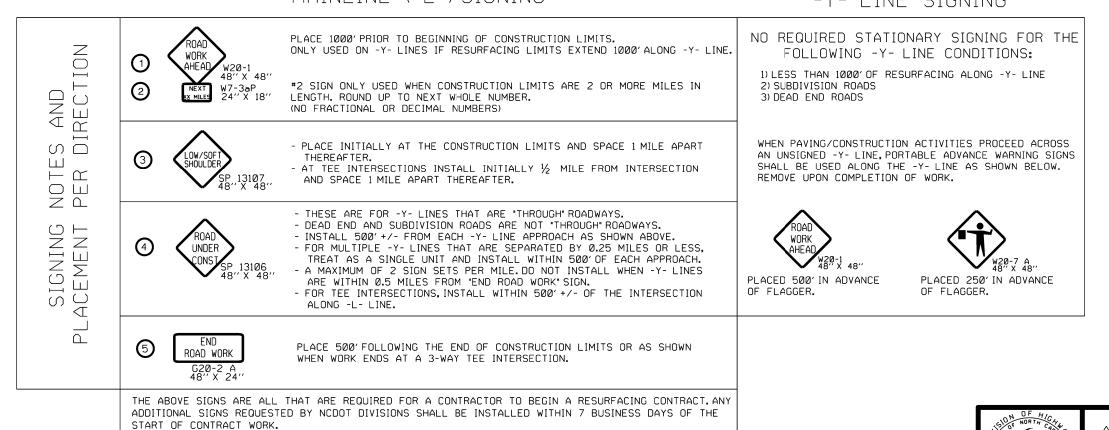


RESURFACING
ADVANCE WARNING SIGNS
FOR RURAL AND SUBURBAN
MULTI-LANE ROADWAY
W/ SHOULDER SECTIONS



MAINLINE (-1 -) SIGNING

-Y- LINE SIGNING





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

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.

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.10.14.10131,		
2023CPT.10.14.20131	13	14

SUMMARY OF QUANTITIES

									0106000000-E	1220000000-E	1245000000-E	1297000000-E	1330000000-E	1523000000-E	1575000000-E	1704000000-E	260000000-N	2612000000-E	2830000000-N		5255000000-N	6071010000-E	6071020000-E	
PROJECT NO COUNTY MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES LAN	E FINAL	WARM MIX	LENGTH	WIDTH	BORROW	INCIDENTAL	SHOULDER	1½" MILLING	INCIDENTAL	SURFACE	ASPHALT	PATCHING	RETROFIT	6" DRIVEWAYS	ADJ. OF	ADJ. OF METER	PORTABLE	WATTLE		INDUCTIVE
				TYP	E SURFACE	ASPHALT				STONE BASE	RECONSTRUCTI		MILLING	COURSE, S9.5C	BINDER FOR	EXISTING	EXISTING CURB		MANHOLES	OR VALVE BOX	LIGHTING		POLYACRYLAMI	LOOP
					TESTING	REQUIRED					ON				PLANT MIX	PAVEMENT	RAMP						DE (PAM)	1
					REQUIRED		MI	FT	CY	TONS	SMI	SY	SY	TONS	TONS	TONS	EA	SY	EA	EA	LS	LF	LB	LF
		FROM NC 73 (CORBAN AVENUE SE)																						
		(MP 2.90) TO BROOKWOOD AVENUE			1																			1 1
2023CPT.10.14.10131 Cabarrus 1	3000003013 - NC 3 (BRANCHVIEW DRIVE NE)	NE (MP 4.57)	1,2,3	2	NO	NO	1.67	32	205	15	2.98	31,419	12,406	4,100	270	500	1.00	36	5	10	0.45	200	1	3,179
TOTAL FOR MAP NO. 1							1.67		205	15	2.98	31,419	12,406	4,100	270	500	1.00	36	5	10	0.45	200	1	3,179
TOTAL FOR PROJ NO. 2023CPT.10.14.10131					1		1.67		205	15	2.98	31,419	12,406	4,100	270	500	1.00	36	5	10	0.45	200	1	3,179
		FROM NC 73 (MP 4.16) TO			1																			
2023CPT.10.14.20131 Cabarrus 2	40001430013 - SR 1430 - KANNAPOLIS PARKWAY	EXCHANGE STREET (MP 5.74)	1,4	2	NO	NO	1.58	60	15		0.22	63,966	7,574	6,625	424	550			10	8	0.43			2,584
TO.	TAL FOR MAP NO. 2						1.58		15		0.22	63,966	7,574	6,625	424	550			10	8	0.43			2,584
		FROM EXCHANGE STREET (MP 5.74)																						
		TO SR 1394 (POPLAR TENT ROAD)			1																			1 1
2023CPT.10.14.20131 Cabarrus 3	40001430013 - SR 1430 - GEORGE LILES PARKWAY NW	(MP 6.08)	4,5	2	NO	NO	0.34	75				11,594	2,021	1,300	84	120	5.00		4	1	0.09			1,203
	TAL FOR MAP NO. 3	, ,					0.34	l l				11,594	2,021	1,300	84	120	5.00		4	1	0.09			1,203
		FROM SR 1394 (POPLAR TENT ROAD)			1																			
		(MP 4.06) TO END CONCRETE ISLAND			1																			1 1
2023CPT.10.14.20131 Cabarrus 4	4040143013 - SR 1430 - GEORGE LILES PARKWAY NW	(MP 4.18)	5	2	NO	NO	0.12	26				2,100	240	240	16	42			1	1	0.03			1 1
TOTAL FOR MAP NO. 4							0.12				İ	2,100	240	240	16	42		1	1	1	0.03			
TOTAL FOR PROJ NO. 2023CPT.10.14.20131							2.04	1 1	15	1	0.22	77,660	9,835	8,165	524	712	5.00		15	10	0.55			3,787
							1	i i																
	GRAND TOTAL						3.71	1 1	220	15	3.20	109,079	22,241	12,265	794	1,212	6.00	36	20	20	1.00	200	1	6,966

PROJECT NO.	SHEET NO.	TOTAL NO.
2023CPT.10.14.10131,		
2023CPT.10.14.20131	14	14

THERMOPLASTIC AND PAINT QUANTITIES

					4	4413000000-E 4457000000-N		4510000000-N	46850	00000-Е	46950	00000-E	4709000000-E	9000000-Е 472000000-Е				E		477000000-E		000-Е 481000000-Е		4835000000-F	-E 4905100000-N			
PROJECT NO	COUNTY MAP N	D ROUTE	DESCRIPTION	TYP NO	LANES	TYPE	LENGTH W		WORK ZONE ADVANCE/GE NERAL	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMEN T	4" X 90 M WHITE THERMO	4" X 90 M YELLOW THERMO	8" X 90 M YELLOW THERMO	8" X 90 M WHITE THERMO	THERMOPLAS TIC	THERMO MSG ONLY 90 M		THERMORT 0 ARROW 90 M			R THERMO STE & LT ARROW 90 M	PLASTIC PAVEMENT	D COLD APPLIED PLASTIC PAVEMENT	4" YELLOW PAINT	4" WHITE PAINT	24" WHITE PAINT	NON-CAST IRON SNOWPLOWA
									WARNING SIGNING							PAVEMENT MARKING LINES (24", 90 MILS)							MARKING LINES, TYPE I (4" WHITE)	MARKING I LINES, TYPE II (4" YELLOW)				BLE PAVEMENT MARKER
							MI	FT	SF	LS	HR	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	EA
			FROM NC 73 (CORBAN AVENUE SE) (MP 2.90) TO BROOKWOOD AVENUE																									
2023CPT.10.14.10131	2023CPT.10.14.10131 Cabarrus 1 30000003013 - NC 3 (BRANCHVIEW DRIVE NE)		NE (MP 4.57)	1,2,3	2		1.07	32	190.0	0.45	120	21,600	21,300	425		460	8	21	11	4	5				15,000	5,000	400	280
TOTAL FOR MAP NO. 1						1.67		190.0	0.45	120	21,600	21,300	425		460	8	21	11	4	5				15,000	5,000	400	280	
TOTAL FOR PROJ NO. 2023CPT.10.14.10131						1.67		190.0	0.45	120	21,600	21,300	425		460	8	21	11	4	5				15,000	5,000	400	280	
												42	,900	4	25	41						20,000						
																			_				1	1				
2023CPT.10.14.20131	. Cabarrus 2	40001430013 - SR 1430 - KANNAPOLIS PARKWAY	FROM NC 73 (MP 4.16) TO EXCHANGE STREET (MP 5.74)	1,4	2		1.58	60	180.0	0.43	160	10,750	20,100	464	1,265	800	24	59	21	43		2	800.00	500.00	12,600	6,000	800	642
	TO	TAL FOR MAP NO. 2					1.58		180.0	0.43	160	10,750	20,100	464	1,265	800	24	59	21	43		2	800	500	12,600	6,000	800	642
2023CPT.10.14.20131	. Cabarrus 3	40001430013 - SR 1430 - GEORGE LILES PARKWAY NW	FROM EXCHANGE STREET (MP 5.74) TO SR 1394 (POPLAR TENT ROAD) (MP 6.08)	4.5	2		0.34	75	48.0	0.09	80	2.425	3.260	26		200		15	7	8	1				3.000	2,200		91
		TAL FOR MAP NO. 3	(**** 3.33)	-,-	<u> </u>		0.34	-	48.0	0.09	80	2,425	3.260	26		200		15	7	8	1	1			3.000	2,200		91
			FROM SR 1394 (POPLAR TENT ROAD) (MP 4.06) TO END CONCRETE ISLAND																									
2023CPT.10.14.20131		4040143013 - SR 1430 - GEORGE LILES PARKWAY NW	(MP 4.18)	5	2		0.12	26	24.0	0.03	40	340	590			30		2								340		12
	TO	TAL FOR MAP NO. 4					0.12		24.0	0.03	40	340	590	<u> </u>		30		2								340		12
TOTAL FOR PROJ NO. 2023CPT.10.14.20131				ļ	+	2.04		252.0	0.55	280	13,515	23,950	490	1,265	1,030	24	76	28	51	1	2	800	500.00	15,600	8,540	800	745	
			<u> </u>									37	,465	1,	755			<u> </u>		158			1	,300	24	,140	Ь	
				1	1	т т	3.71		442.0	1.00	400	35.115	45.250	915	1.265	1.490	32	97	20	55		1 2	800	500.00	30.600	13.540	1.200	1,025
		GRAND TOTAL		 	I	+	3./1		442.0	1.00	400		,365		1,265	1,490	32	9/	39	199	1 6			300.00	,	,140	1,200	1,025
												- 00	,,,,,,,	۷,	100	199							1,3	JUU.JU				