

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	
N.C.	2024CPT.10.17.20131 2024CPT.10.17.20132	1	13	
F.A. PROJECT NO.				



ENLARGED MUNICIPAL AND SUBURBAN AREAS

CABARRUS COUNTY

NORTH CAROLINA

EPAREO BRYTHEHE

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

MAP #1 - SR 1431 - WEDDINGTON ROAD 1.59 MILES FROM PAVEMENT JOINT Ø.2 MI SOUTH OF SR 143Ø (GEORGE LILES PARKWAY) (MP 2.Ø4) TO PAVEMENT JOINT NORTH OF SR 13Ø5 (PITTS SCHOOL ROAD) (MP 3.63)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.17.20131 2024CPT.10.17.20132	2	13
I	F.A. PROJECT NO.		



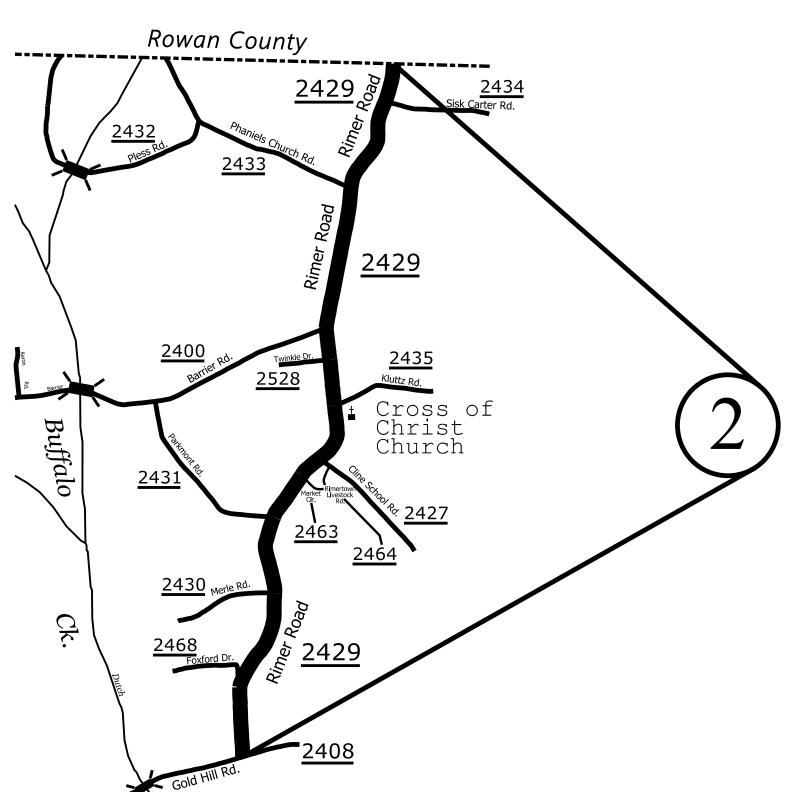
ENLARGED MUNICIPAL AND SUBURBAN AREAS

CABARRUS COUNTY

NORTH CAROLINA

PREPAREO BY HEHE

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



MAP #2 - SR 2429 - RIMER ROAD 3.38 MILES FROM ROWAN COUNTY LINE (MP Ø.ØØ) TO SR 24Ø8 (GOLD HILL ROAD) (MP 3.38)

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	
N.C.	2024CPT.10.17.20131 2024CPT.10.17.20132	\mathbb{C}	13	
F.A. PROJECT NO.				

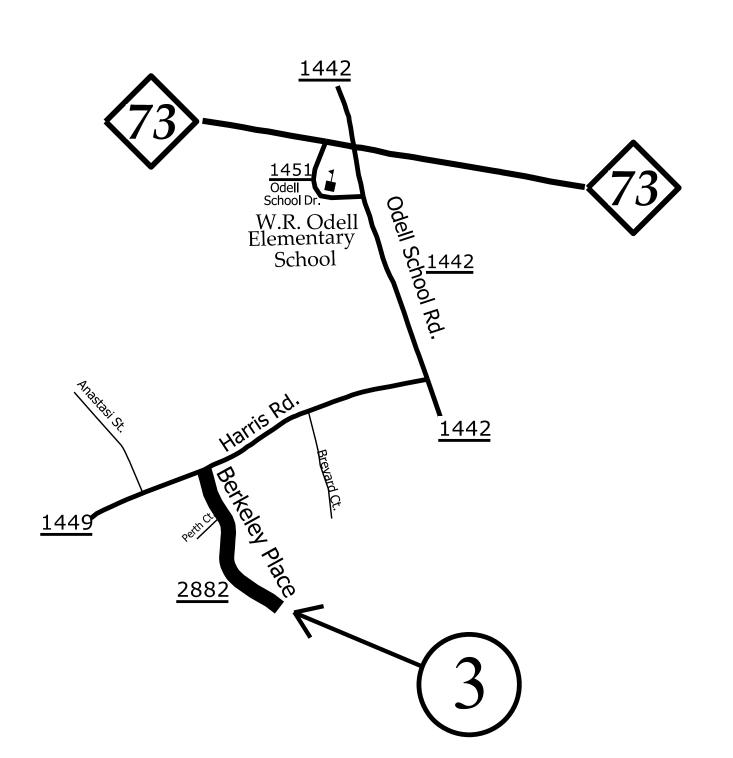


ENLARGED MUNICIPAL AND SUBURBAN AREAS

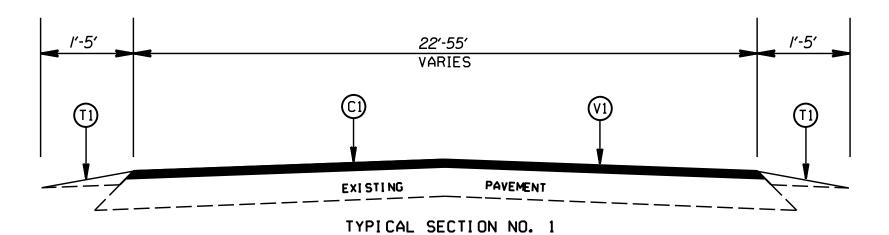
CABARRUS COUNTY

NORTH CAROLINA

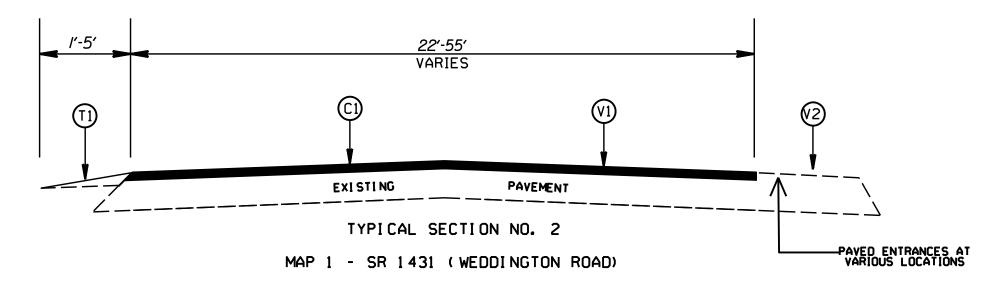
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 1



MAP #3 - SR 2882 - BERKELEY PLACE Ø.33 MILES FROM SR 1449 (HARRIS ROAD) (MP Ø.ØØ) TO CUL-DE-SAC (MP Ø.33)



MAP 1 - SR 1431 (WEDDINGTON ROAD)



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	
N.C.	2024CPT.10.17.20131 2024CPT.10.17.20132	4	13	
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.		
C2	PROP. APPROX. 2.0° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SO. YDS.		
F1	ASPHALT SURFACE TREATMENT, DOUBLE SEAL		
K1	BASE TO BE TREATED WITH PORTLAND CEMENT AT A DEPTH OF 12. AT A RATE AS DIRECTED BY THE ENGINEER		
Т1	SHOULDER RECONSTRUCTION		
V1	MILLING OF EXISTING PAVEMENT, 1.50		
V2	PROFILE MILLING OF EXISTING ASPHALT, 0° - 1.50° (8' WIDTH)		
٧3	PROFILE MILLING OF EXISTING ASPHALT, 0° - 2.0° (8' WIDTH)		

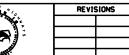
NOTES:

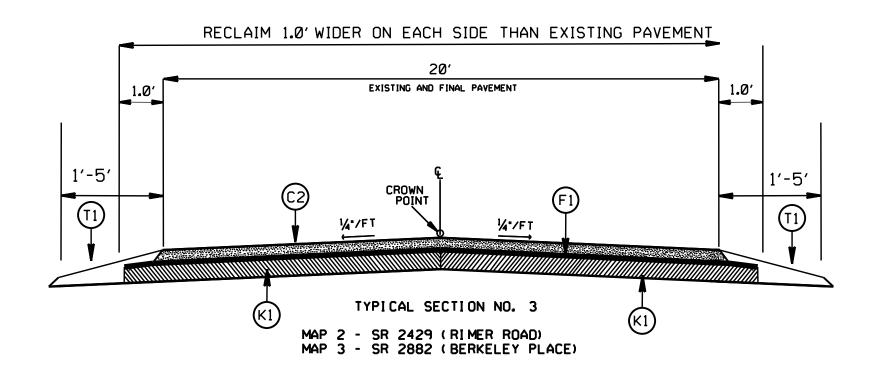
I. LEVELING COURSE TO BE PLACED AS DIRECTED BY THE ENGINEER

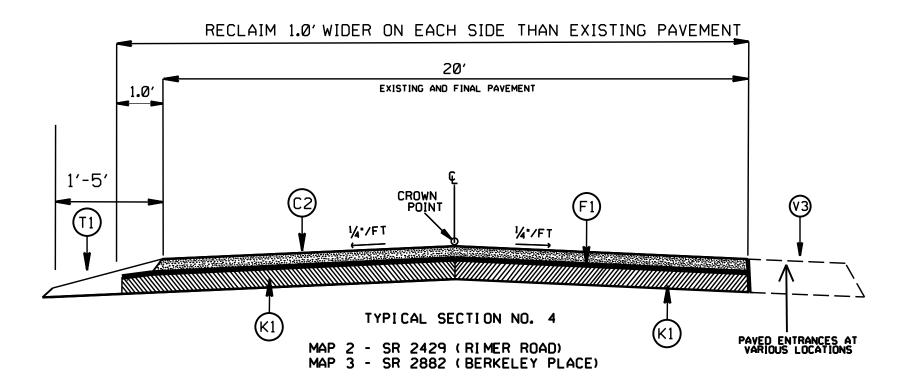
CABARRUS COUNTY RESURFACING SPRING 2024

10/21 JWH JWH









NOTE: FULL DEPTH RECLAMATION AND AST SHALL BE COMPLETED ON MAPS 2 AND 3 PRIOR TO THE ASPHALT OVERLAY.

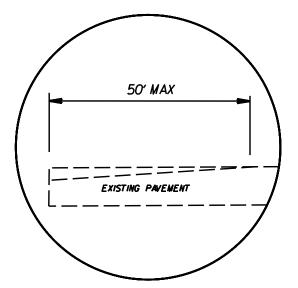
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.17.20131 2024CPT.10.17.20132	ſО	13

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.50° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C. AT AN AVERAGE RATE OF 168 LBS. PER SO. YDS.
C2	PROP. APPROX. 2.0° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C. AT AN AVERAGE RATE OF 224 LBS. PER SO. YDS.
F1	ASPHALT SURFACE TREATMENT, DOUBLE SEAL
K1	BASE TO BE TREATED WITH PORTLAND CEMENT AT A DEPTH OF 12. AT A RATE AS DIRECTED BY THE ENGINEER
Т1	SHOULDER RECONSTRUCTION
V1	MILLING OF EXISTING PAVEMENT, 1.50
V2	PROFILE MILLING OF EXISTING ASPHALT, 0° - 1.50° (8' WIDTH)
٧3	PROFILE MILLING OF EXISTING ASPHALT, 0° - 2.0° (8' WIDTH)

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

CABARRUS COUNTY
RESURFACING SPRING 2024

SCALE NADATE 1/23
DWG. BY JWH
DESIGN BY JWH
APPROVED REVISIONS



DETAIL FOR INCIDENTAL MILLING (O" TO 1.0")

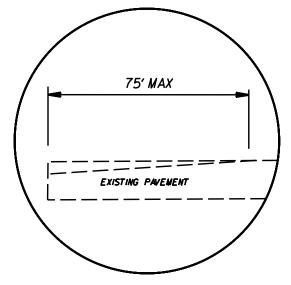
TIE-IN

IOO' MAX

EXISTING PAVEMENT

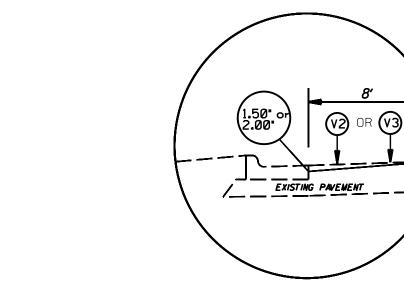
DETAIL FOR INCIDENTAL MILLING (O"TO 2.0")

TIE-IN

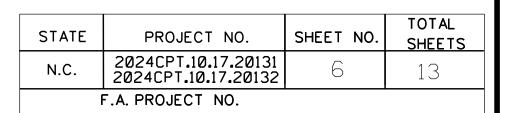


DETAIL FOR INCIDENTAL MILLING (O" TO 1.5")

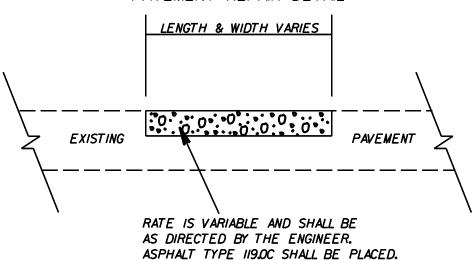
TIE-IN



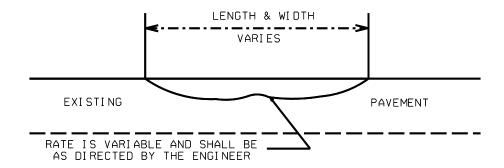
DETAIL FOR PROFILE MILLING (O" TO 1.25") OR (O" TO 1.50")







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



PATCHING, LEVELING, MILLING,
PROFILE MILLING DETAILS

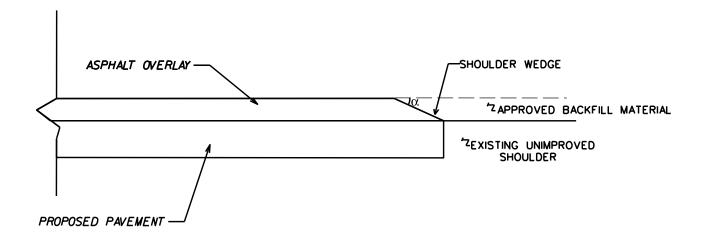
SCALE	-NA-	Ī
DATE	11/21	
DWG. BY	JAB	
DESIGN BY	JAB	
ADDDOVED	740	

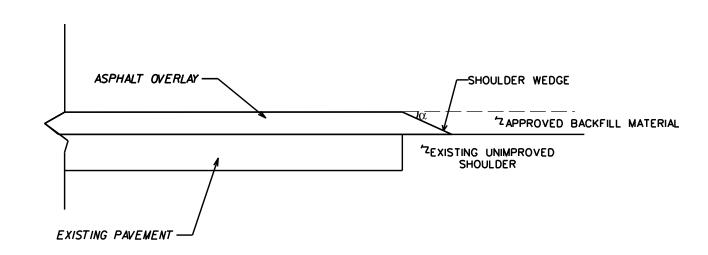
رميعية مراد	REVIS	SIONS
978 1188 6		

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.	2024CPT.10.17.20131 2024CPT.10.17.20132	7	13	
F.A. PROJECT NO.				

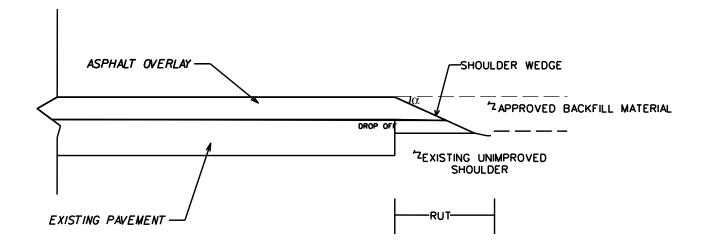




SHOULDER WEDGE DETAIL

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

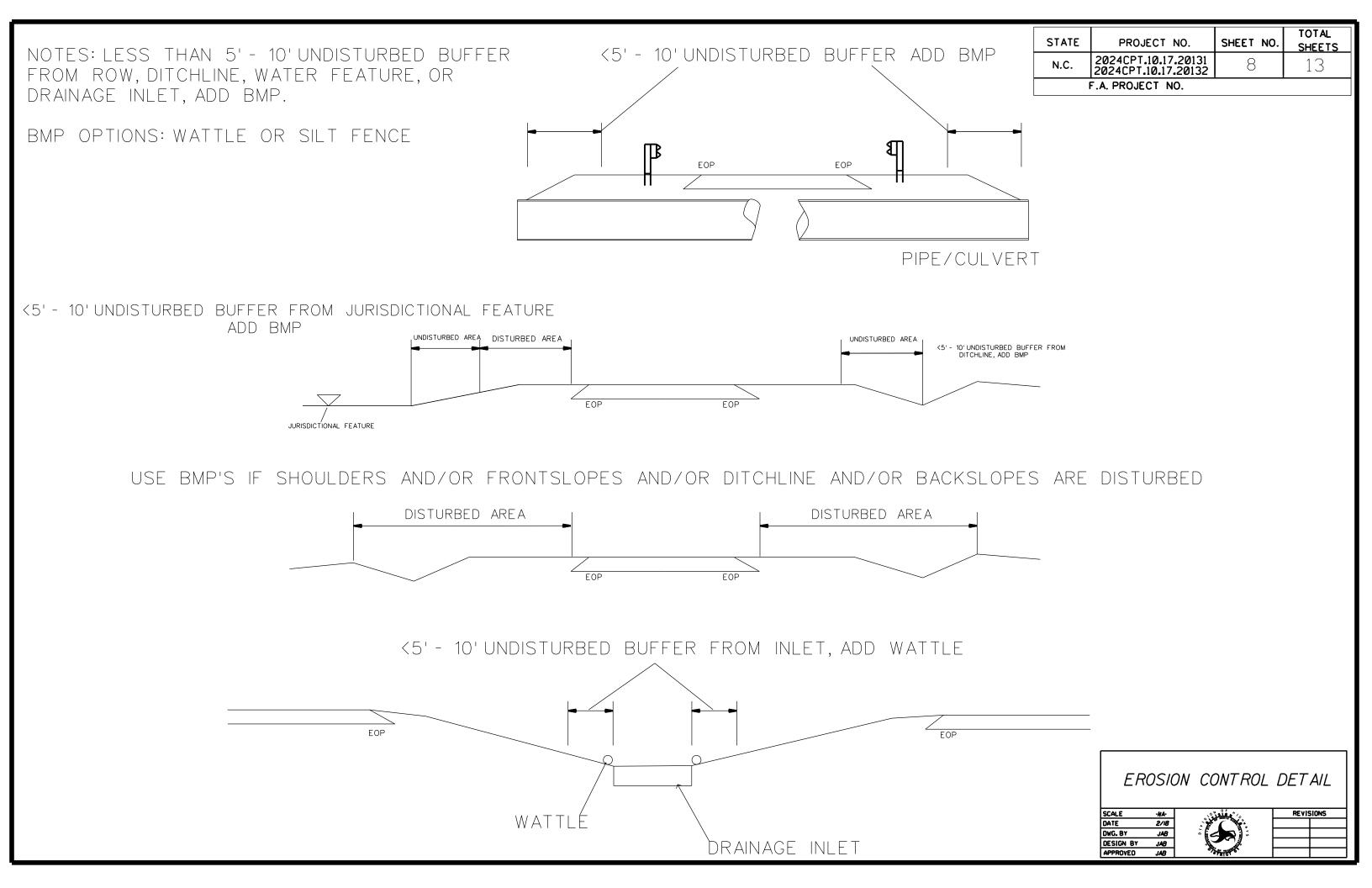
SHOULDER WEDGE DETAIL
(RESURFACING PROJECTS W/ NO WIDENING)



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

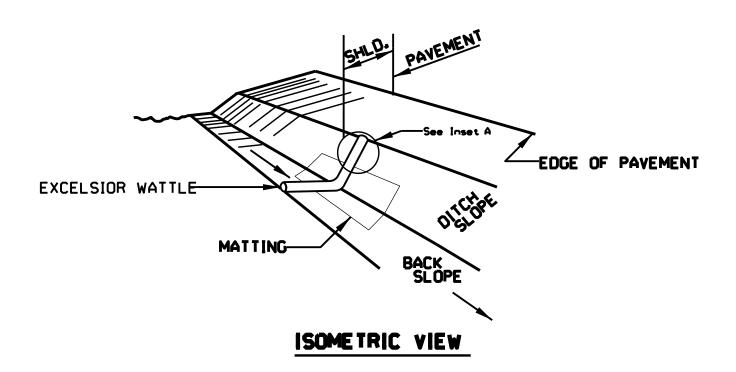
SHOULDER WEDGE DETAIL (RESURFACING ADJACENT TO RUTTED SHOULDER)

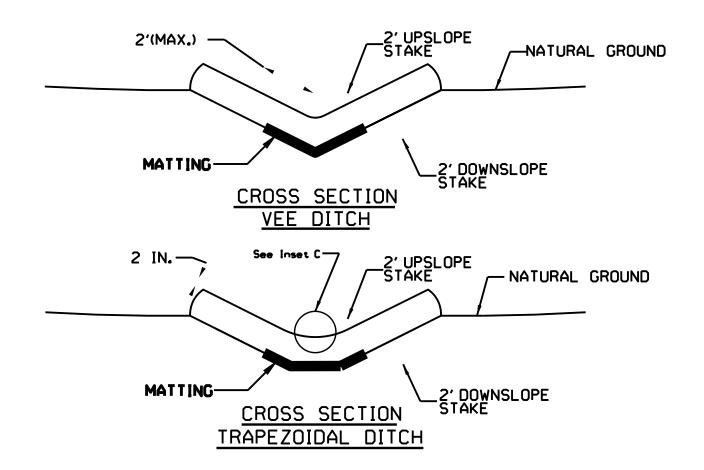
SHOULDER WEDGE DETAILS			
SCALE	NA-	~ ~ ~ ~ · · · · · · · · · · · · · · · ·	REVISIONS
DATE	2/18		
DWG. BY	JAB		
DESIGN BY	JAB		
APPROVED	JAB	STORIES .	



WATTLE WITH FLOCCULANT DETAIL

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.17.20131 2024CPT.10.17.20132	J	13
	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.

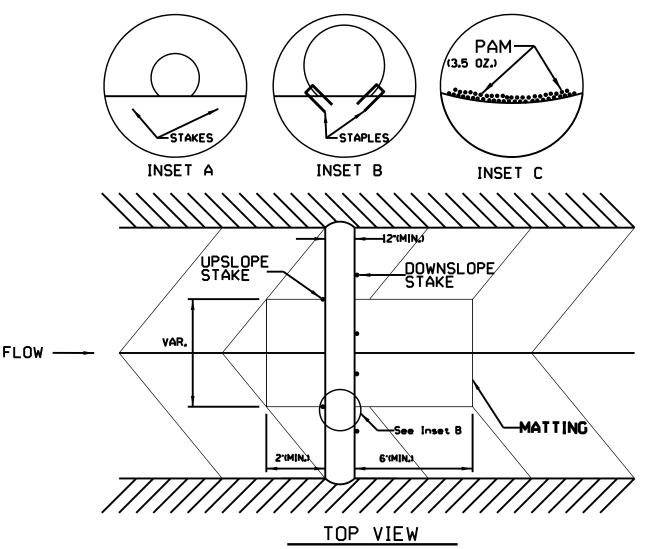
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12 IN LENGTH.

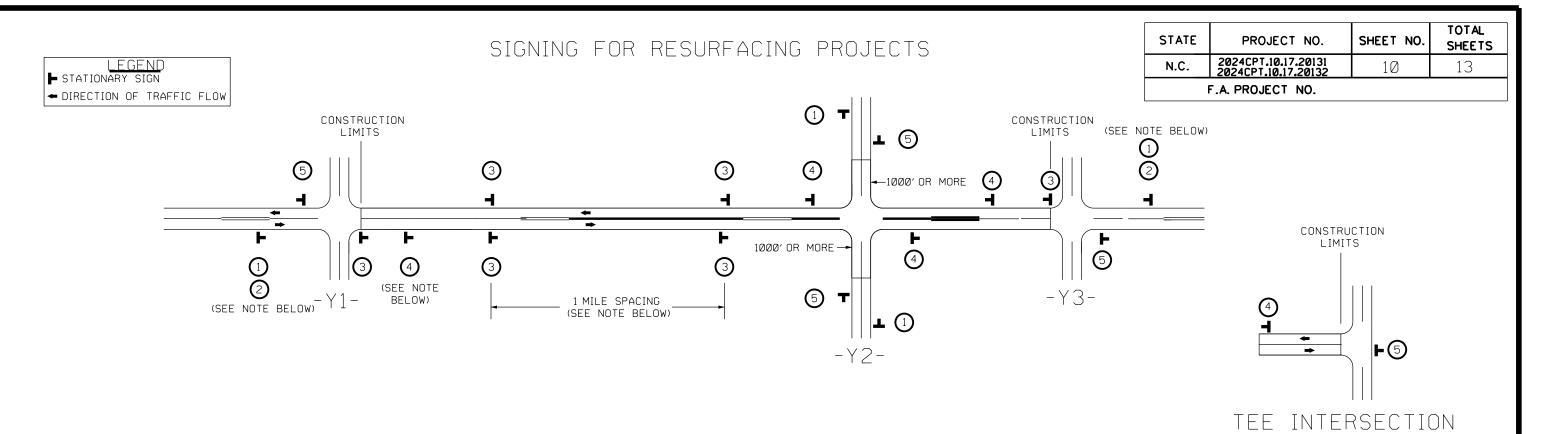
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

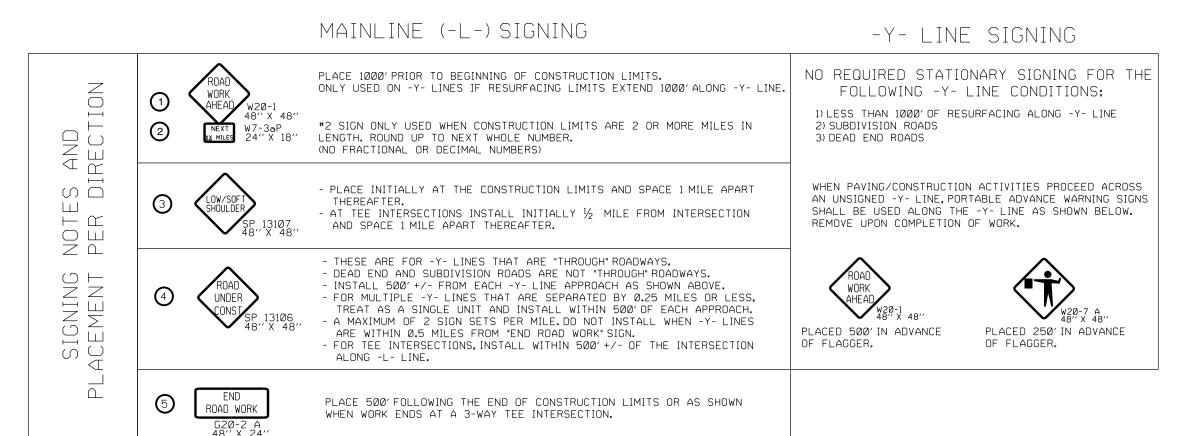
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

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.









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

MAPS LESS Than 2 Miles START OF CONTRACT WORK.

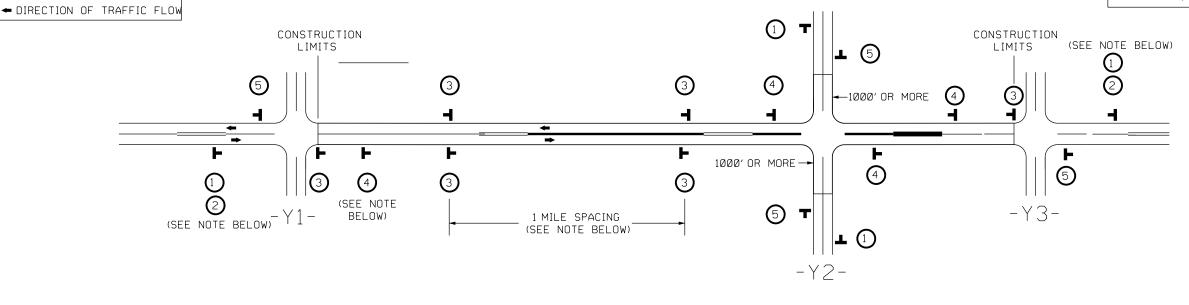
FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.

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

SIGNING FOR ASPHALT SURFACE TREATMENT

 STATE
 PROJECT NO.
 SHEET NO.
 TOTAL SHEETS

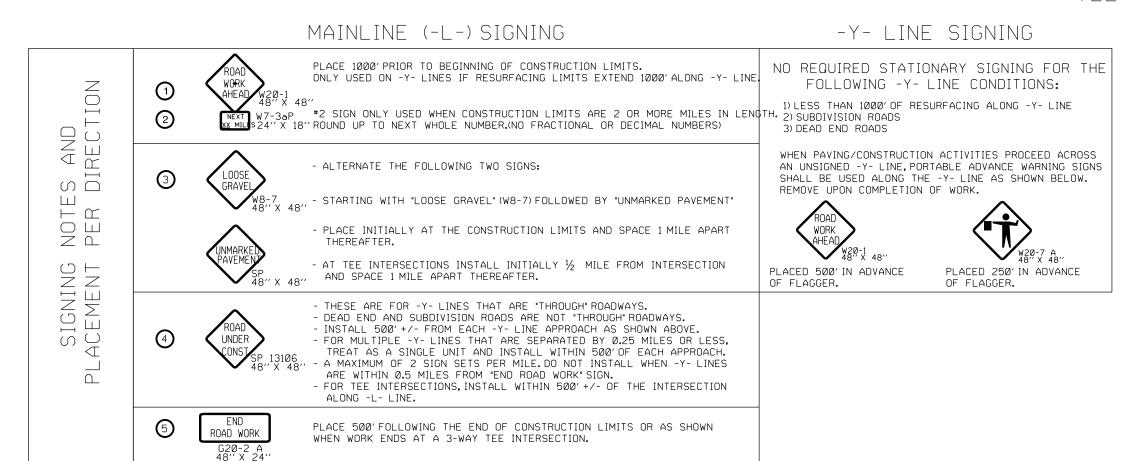
 N.C.
 2024CPT.10.17.20131 2024CPT.10.17.20132
 11
 13



4 -+ ----

CONSTRUCTION LIMITS

TEE INTERSECTION





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

MAPS LESS Than 2 miles START OF CONTRACT WORK.

LEGENE

STATIONARY SIGN

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.

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

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.10.17.20131,		
2024CPT.10.17.20132	12	13

SUMMARY OF QUANTITIES

														IIIIAN		QUAIL														
												0106000000-E		1187000000-E			1297000000-E		1330000000-E		1575000000-E	1704000000-E								
PROJECT NO COUN	TY MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES			IIX LENG	TH WIDT	H BEGIN	4P END MP	BORROW	FULL DEPTH	PORTLAND	INCIDENTAL	SHOULDER	1½" MILLING	0"TO 1.50" 0"TO 2"	INCIDENTAL	SURFACE	ASPHALT	PATCHING	ASPHALT	EMULSION FOR	VACUUM TRUCK	6" DRIVEWAYS	ADJ. OF METER	FLOCCULANT	WATTLE	SEED &
					I	TYPE SURFA	CE ASPHAI	.T			- 1		RECLAMATION	CEMENT FOR	STONE BASE	RECONSTRUCTI		MILLING MILLING	MILLING	COURSE, S9.5C	BINDER FOR	EXISTING	SURFACE	ASPHALT			OR VALVE BOX			MULCHING
						TESTI	NG REQUIR	ED			- 1			SOIL CE- MENT		ON					PLANT MIX	PAVEMENT	TREATMENT,	SURFACE						
						REQUIR	RED				- 1			BASE									DOUBLE SEAL	TREATMENT						
						1 '	1	MI	FT			CY	SY	TON	TONS	SMI	SY	SY SY	SY	TONS	TONS	TONS	SY	GAL	WK	SY	EA	LB	LF	AC
			FROM PVMT. JOINT 0.20 MILES SOUTH	1																										1
			OF SR 1430 (GEORGE LILES				1				- 1																			
			PARKWAY) (MP 2.04) TO PVMT. JOINT				1																							
		SR-1431 - WEDDINGTON ROAD	NORTH OF SR 1305 (PITTS SCHOOL				1				- 1																			
2024CPT.10.17.20131 Cabarr	rus 1	40001431013	ROAD) (MP 3.63)	1.2	2	NO	NO	1.6	3 22	2.03	3.63	120			35	3.20	21.712	568	430	2,104	151	560				540	2	1	200	1.2
	OTAL FOR MAI		none/(in didd)	2,2	1	- 110		1.6	_	2.00	0.00	120		<u> </u>	35	3.20	21,712	568	430	2,104	151	560		1	1	540	2	1	200	1.2
<u> </u>			FROM ROWAN COUNTY LINE (MP	1	1 1					1	1			1		 ••••	,	 	1	-,			1	1			- -			
		SR-2429 - RIMER ROAD	0.00) TO SR 2408 (GOLD HILL ROAD)				1				- 1																			
2024CPT.10.17.20131 Cabarr	2110	40002429013	(MP 3.38)	3, 4	2	NO	NO	3.3	0 20	١ ،	3.38	350			355	6.76		300	1.585	5.190	306					234		1	507	2.5
	OTAL FOR MAI		(115 3.36)	3,4	-	NO	NO	3.3		- 0	3.36	350		-	355	6.76		300		5,190	306					234		1	507	2.5
<u>'</u>	UIALFURMAI	NO. 2		1	 	_	-	3.3	•	+	+	350	 	<u> </u>	355	0.70		300	1,565	5,190	300	ł		+	+	234		1	507	2.5
		SR-2882 - BERKELEY PL	FROM SR 1449 (HARRIS ROAD) (MP				1																							
		40002882013	0.00) TO CUL-DE-SAC (MP 0.33)	١		NO		١		1 0		32								526						200			60	
2024CPT.10.17.20131 Cabarr	rus 4		0.00) TO CUL-DE-SAC (MP 0.33)	3, 4	2	NO	NO	_	_	0	0.33			<u> </u>		0.66		 			31			-				1	- 00	0.2
!	OTAL FOR MAI	NO. 4			_	_	_	0.3 5.3		_	_	32 502		<u> </u>		0.66 10.62	21,712	568 300	2.015	526 7.820	31			-		200		1	60	0.2
TOTAL FOR F	PROJ NO. 2024	CPT.10.17.20131		-	-			5.3	1	+		502			390	10.62	21,/12	568 300 868	2,015	7,820	488	560				974	2	3	767	3.9
				1									<u> </u>	<u> </u>		1	l	868												
1			500110011111111111111111111111111111111	_				_	_	_						1			_	1		1	1	1			T		ı	
		SR-2429 - RIMER ROAD	FROM ROWAN COUNTY LINE (MP				1				- 1																			
	_		0.00) TO SR 2408 (GOLD HILL ROAD) (MP 3.38)	١			NO	١																						
2024CPT.10.17.20132 Cabarr		40002429013	(MP 3.38)	3, 4	2	NO	NO			0	3.38		43,663	1,529.00		-		 		1	 		43,663	24,015	1.00					+
	OTAL FOR MAI	NO. 5		-		_	_	3.3	8		_	ļ	43,663	1,529.00	ļ	+			-	1	1		43,663	24,015	1.00					4
							1				- 1																			
		SR-2882 - BERKELEY PL	FROM SR 1449 (HARRIS ROAD) (MP				1				- 1																			
2024CPT.10.17.20132 Cabarr		40002882013	0.00) TO CUL-DE-SAC (MP 0.33)	3, 4	2	NO	NO		_	0	0.33		4,491	158.00									4,491	2,475	0.80					
TOTAL FOR MAP NO. 7		NO. 7			\sqcup			0.3					4,491	158.00						ļ			4,491	2,475	0.80					
TOTAL FOR I	PROJ NO. 2024	CPT.10.17.20132						3.7	1			ļ	48,154	1,687.00									48,154	26,490	1.80					
	GRAND TO	AL			\sqcup			9.0	2			502	48,154	1,687.00	390	10.62	21,712	568 300	2,015	7,820	488	560	48,154	26,490	1.80	974	2	3	767	3.9
ONAND IOTAL			1			- 1	- 1		1	- 1		I		1		I	868	1	1	1		1				l	l	ĺ		

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.10.17.20131,		
2024CPT.10.17.20132	13	13

THERMOPLASTIC AND PAINT QUANTITIES

												4413000000-E	4457000000-N	46850	00000-E	4695000000-E	4709000000-E	4720000000-E	4725000000-E	4770000000-E	481000	0000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE	LENGTH	WIDTH	BEGIN MP	END MP	WORK ZONE	TEMPORARY	4" X 90 M	4" X 90 M	8" X 90 M	24" X 90 M	THERMO MSG	THERMO LT	COLD	4" WHITE	4" YELLOW
							TYPE					ADVANCE/GE	TRAFFIC	WHITE	YELLOW	YELLOW	WHITE	STOP 90 M	ARROW 90 M	APPLIED	PAINT	PAINT
												NERAL	CONTROL	THERMO	THERMO	THERMO	THERMO			PLASTIC		
												WARNING								PAVEMENT		
												SIGNING							1	MARKING		
																				LINES, TYPE II		
																				(4")		
								мі	FT			SF	LS	LF	LF	LF	LF	EA	EA	LF	LF	LF
				FROM PVMT. JOINT 0.20 MILES SOUTH																		
				OF SR 1430 (GEORGE LILES PARKWAY)																		
				(MP 2.04) TO PVMT. JOINT NORTH OF																		
			SR-1431 - WEDDINGTON ROAD	SR 1305 (PITTS SCHOOL ROAD) (MP																		
2024CPT.10.17.20131	Cabarrus	1	40001431013	3.63)	1,2	2		1.6	22	2.03	3.63		0.30	17,000	18,710	145	25	4	4	760.00		
	TOTA	L FOR MAP	NO.1	,				1.6					0.30	17,000	18,710	145	25	4	4	760		
				FROM ROWAN COUNTY LINE (MP 0.00)																		
			SR-2429 - RIMER ROAD	TO SR 2408 (GOLD HILL ROAD) (MP																		
2024CPT.10.17.20131	Cabarrus	2	40002429013	3.38)	3,4	2		3.38	20	0	3.38	384.0	0.31				50	4			84,000	65,000
	TOTA	L FOR MAP	NO. 2	·				3.38				384.0	0.31				50	4			84,000	65,000
			SR-2882 - BERKELEY PL	FROM SR 1449 (HARRIS ROAD) (MP																		
2024CPT.10.17.20131	Cabarrus	4	40002882013	0.00) TO CUL-DE-SAC (MP 0.33)	3,4	2		0.33	20	0	0.33	64.0	0.04									
	TOTA	L FOR MAP	NO. 4					0.33				64.0	0.04									
TOT	AI EOD DDO	1 NO 20240	CPT.10.17.20131					5.31				448.0	0.65	17,000	18,710	145	75	8	4.00	760.0	84,000	65,000
101	ALTONTHO	J 140. 2024	7 1.10.17.20101											35	,710						149	,000
				FROM ROWAN COUNTY LINE (MP 0.00)																		
			SR-2429 - RIMER ROAD	TO SR 2408 (GOLD HILL ROAD) (MP																		
2024CPT.10.17.20132	Cabarrus	5	40002429013	3.38)	3,4	2		3.38	20	0	3.38		0.31									
	TOTA	L FOR MAP	NO. 5					3.38					0.31									
				1															1			
			SR-2882 - BERKELEY PL	FROM SR 1449 (HARRIS ROAD) (MP		1													1			
2024CPT.10.17.20132		7	40002882013	0.00) TO CUL-DE-SAC (MP 0.33)	3,4	2		0.33	20	0	0.33		0.04									
	TOTA	L FOR MAP	NO.7					0.33					0.040									
тот	AL FOR PRO	J NO. 20240	CPT.10.17.20132					3.71					0.350					ļ	ļ			
																						1
	(RAND TOTA	AL					9.02				448.0	1.000	17,000	18,710	145	75	8	4.00	760.0	84,000	65,000
													35	,710						149	,000	