

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10901 2021CPT.10.09.20901	1	
F.A. PRO	JECT NO.		



UNION COUNTY

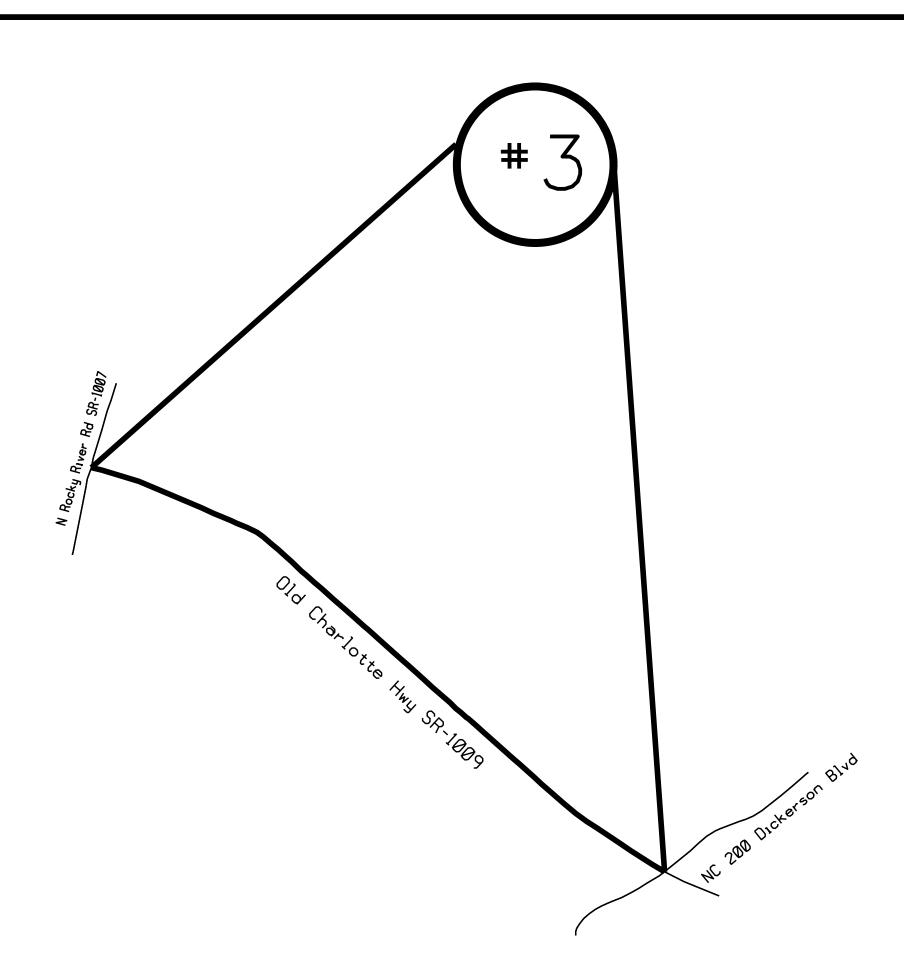
NORTH CAROLINA

PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP *1 NC 200 DICKERSON BLVD
0.67 MILES
FROM US 74 TO
SR 1009 OLD CHARLOTTE HWY

MAP *2 NC 200 MLK JR BLVD 0.21 MILES FROM SR 1009 OLD CHARLOTTE HWY TO PVMT JOINT



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10901 2021CPT.10.09.20901	2	
F.A. PRO	JECT NO.		



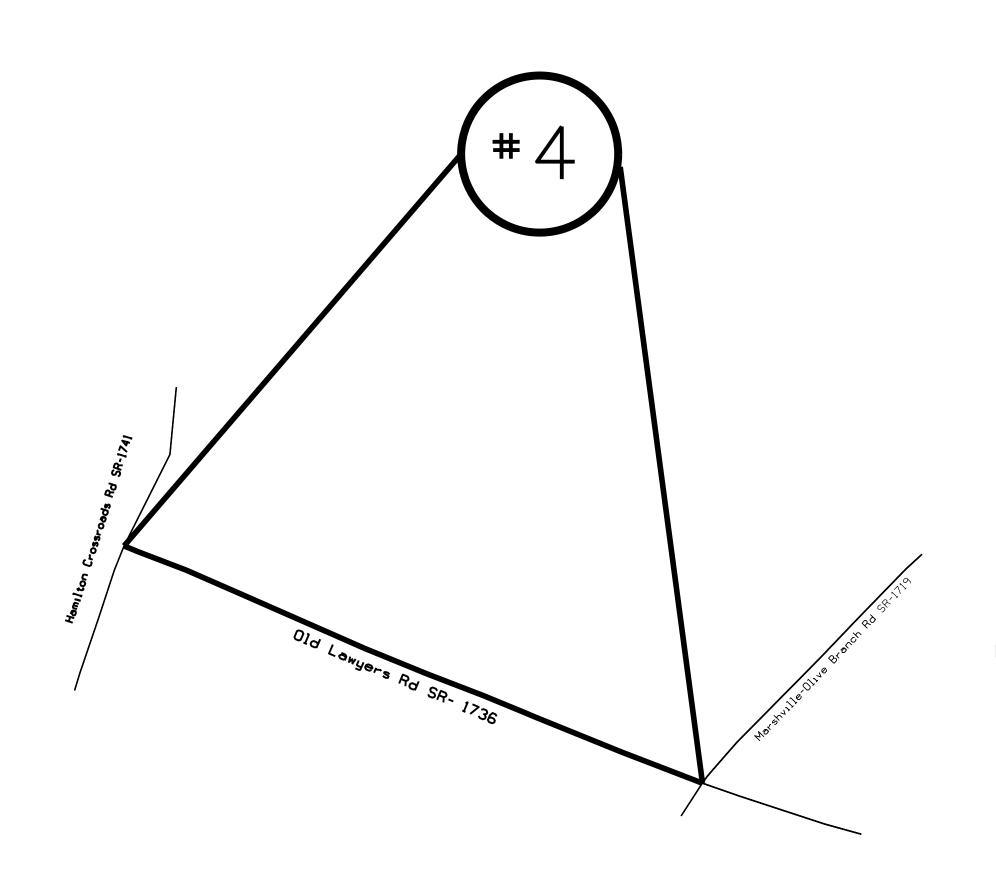
UNION COUNTY

NORTH CAROLINA

PREPARED BY THE

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP *3 SR 1009 OLD CHARLOTTE HWY
2.74 MILES
FROM NC 200 DICKERSON BLVD
TO SR 1007 N ROCKY RIVER ROAD



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10901 2021CPT.10.09.20901	3	
F.A. PRO	JECT NO.		

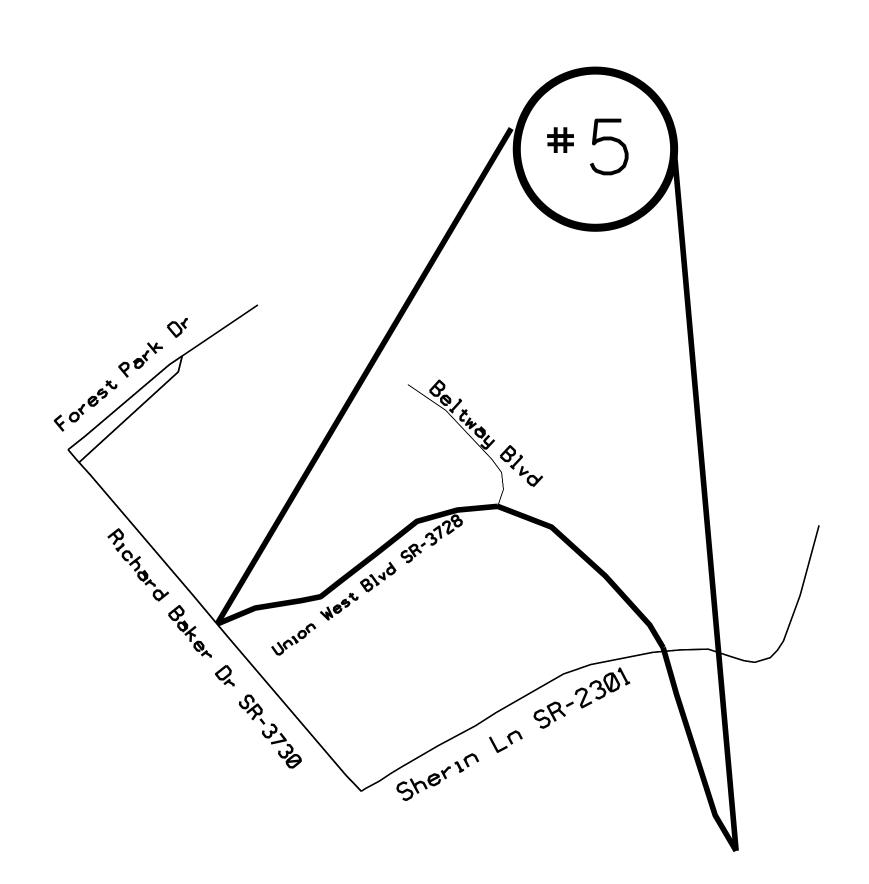


UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #4 SR 1736 OLD LAWYERS ROAD
1.01 MILES
FROM SR 1719 MARSHVILLE OLIVE BRANCH ROAD
TO SR 1741 HAMILTONS CROSSROADS ROAD



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10901 2021CPT.10.09.20901	4	
F.A. PRO	JECT NO.		

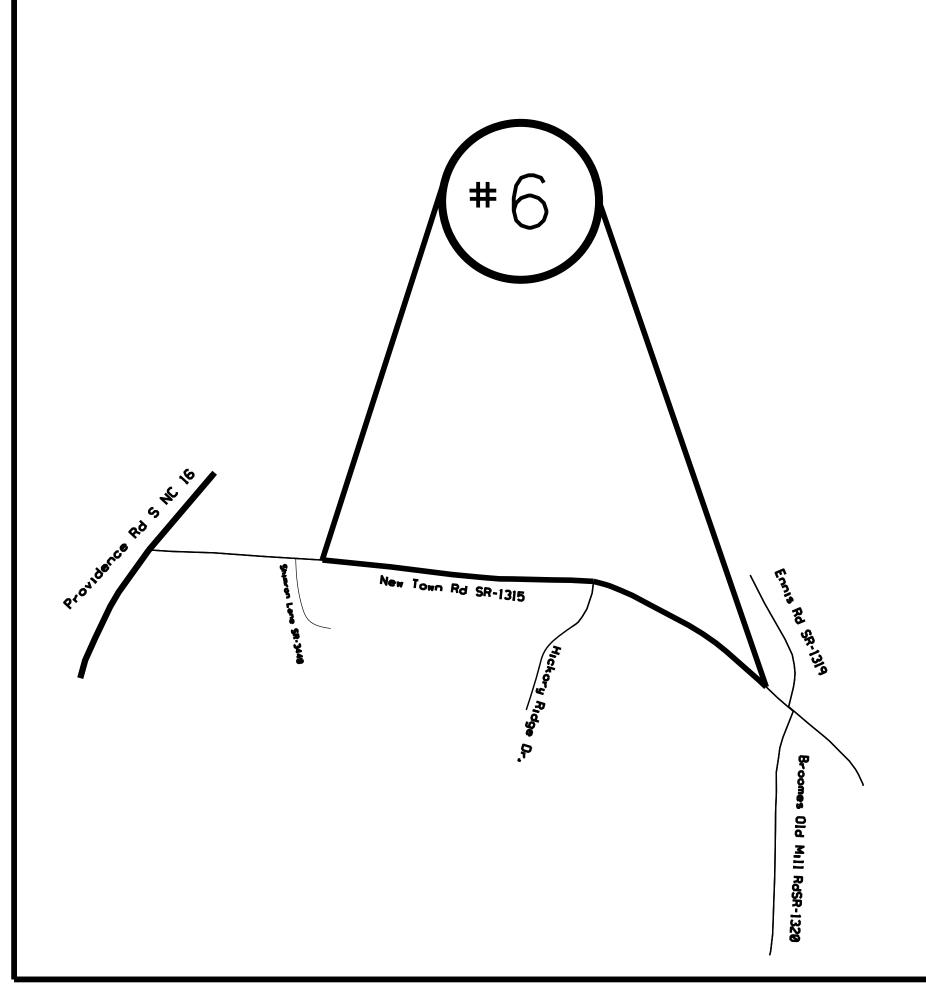


UNION COUNTY

NORTH CAROLINA

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP *5 SR 3728 UNION WEST BLVD 0.49 MILES FROM SR 3730 RICHARD BAKER DR TO END OF MAINTENANCE



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10901 2021CPT.10.09.20901	5	
F.A. PRO	JECT NO.		



UNION COUNTY

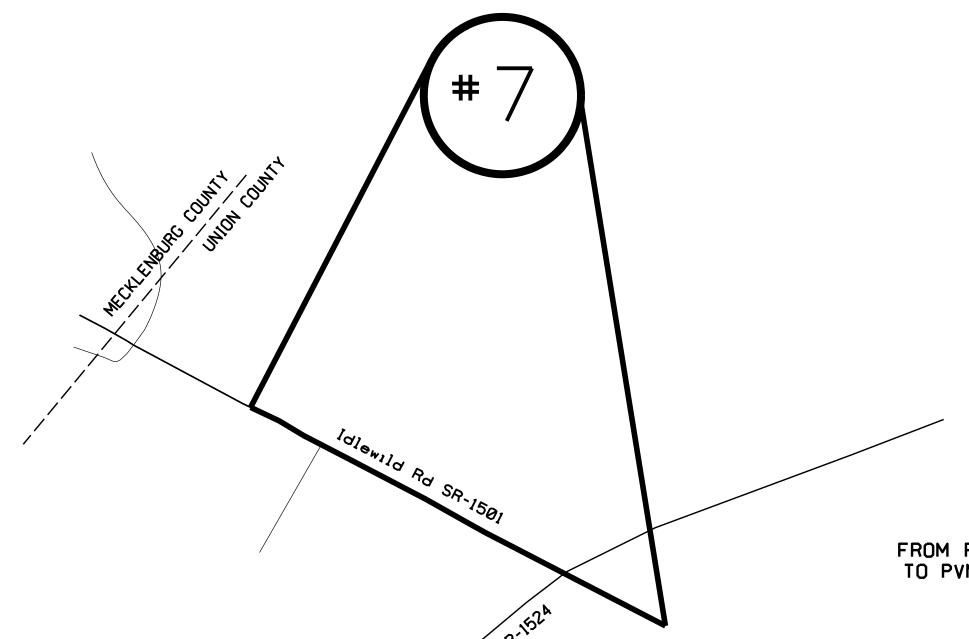
NORTH CAROLINA

PREPARED BY

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP #6 SR 1315 NEW TOWN ROAD
0.70 MILES
FROM PYMT JOINT WEST OF SR 1319 ENNIS RD
TO PYMT JOINT EAST OF SR 3440 SHIMRON LANE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2021CPT.10.09.10901 2021CPT.10.09.20901	6	
F.A. PRO	JECT NO.		





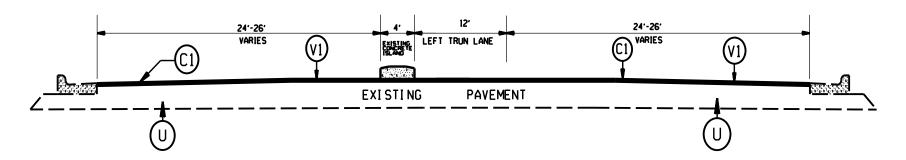
UNION COUNTY

NORTH CAROLINA
PREPARED BY THE

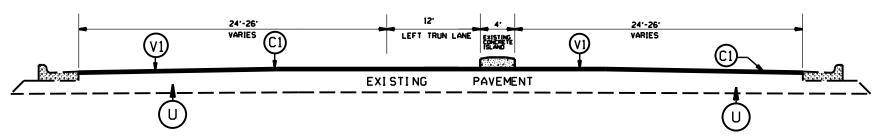
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS - DIVISION 10 DISTRICT 3

MAP *7 SR 1501 IDLEWILD ROAD
0.61 MILES
FROM PVMT JOINT EAST OF SR 1524 STEVENS MILL ROAD
TO PVMT JOINT BEFORE THE MECKLENBURG COUNTY LINE

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.09.10901 2024CPT.10.09.20901	7	
N.C. A. PROJECT N	 io.	/	



TYPICAL SECTION NO.1 NC 200 DICKERSON BLVD (MAP 1) APPROX. STA. 10+00 TO 17+00



TYPICAL SECTION NO.2 NC 200 DICKERSON BLVD (MAP 1) APPROX. STA. 17+00 TO 22+40

PAVEMENT SCHEDULE

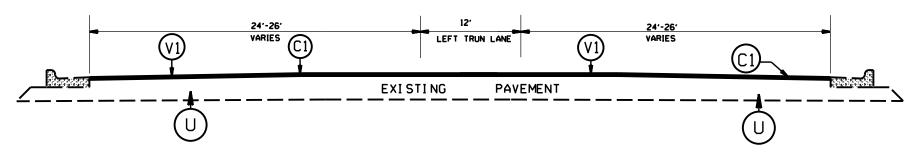
Cl	PROP. APPROX. 2.0° ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
(C2)	PROP. APPROX. 1.5° ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
© 3	ASPHALT SURFACE TREATMENT, MAT COAT * 67
ā	PROPOSED 2.5 ASPHALT CONC. INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(1)	SHOULDER RECONSTRUCTION
(EXISTING PAVEMENT
(5)	MILLING OF EXISTING PAVEMENT, 2.0° DEPTH.
(SA)	MILLING OF EXISTING PAVEMENT, 1.5° DEPTH.

2024-2025 UNION COUNTY RESURFACING

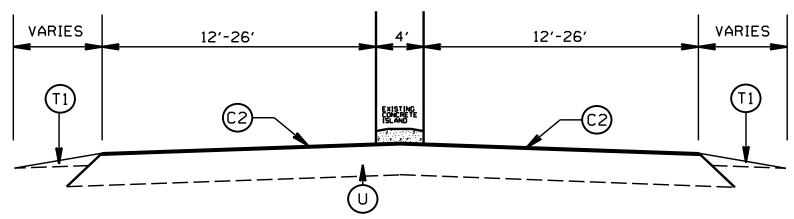
SCALE	-NA-	ي مفلعت ا	REVIS	IONS
DATE	11/23			
DWG. BY	AJB			
DESIGN BY	AJB			
APPROVED	CLA	75 12 12 15 15 15 15 15 15 15 15 15 15 15 15 15		

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.09.10901 2024CPT.10.09.20901	8	

F.A. PROJECT NO.



TYPICAL SECTION NO.3 NC 200 DICKERSON BLVD (MAP 1) APPROX. STA. 22+40 TO 45+38



TYPICAL SECTION NO.4
NC 200 MLK BLVD (MAP 2)
APPROX.STA.10+00 TO 10+80
SR-1501 IDLEWILD ROAD (MAP 7)
APPROX.STA.37+60 TO 38+30

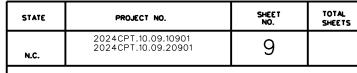
PAVEMENT SCHEDULE

Cl	PROP. APPROX. 2.0° ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
(C2)	PROP. APPROX. 1.5° ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
(C3)	ASPHALT SURFACE TREATMENT, MAT COAT * 67
ā	PROPOSED 2.5 ASPHALT CONC. INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(1)	SHOULDER RECONSTRUCTION
(=)	EXISTING PAVEMENT
VI	MILLING OF EXISTING PAVEMENT, 2.0° DEPTH.

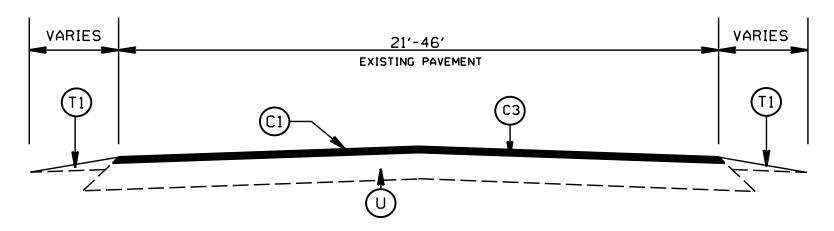
MILLING OF EXISTING PAVEMENT, 1.5" DEPTH.

2024-2025 UNION COUNTY RESURFACING

SCALE	-NA-	\ <u>\\\</u>	REVISIONS
DATE	11/23		
DWG. BY	AJB		
DESIGN BY	AJB		
APPROVED	CLA	No. 11 Control of the last of	



F.A. PROJECT NO.



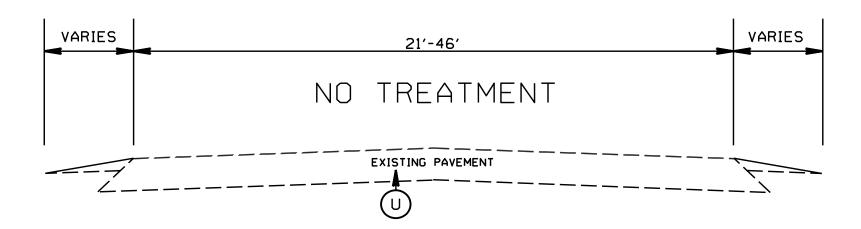
TYPICAL SECTION NO.5

SR-1009 OLD CHARLOTTE HWY (MAP 3)

SR-1315 NEW TOWN ROAD (MAP 6)

APPROX, STA, 10+00 TO 23+80

APPROX, STA. 34+40 TO 42+40



TYPICAL SECTION NO.6 SR-1315 NEW TOWN ROAD (MAP 6) APPROX. STA. 23+80 TO 34+40

PAVEMENT SCHEDULE

C1 PROP. APPROX. 2.0° ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.

C2 PROP. APPROX. 1.5° ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.

C3 ASPHALT SURFACE TREATMENT, MAT COAT = 67

D1 PROPOSED 2.5° ASPHALT CONC. INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SO. YD.

T1 SHOULDER RECONSTRUCTION

U EXISTING PAVEMENT

V1 MILLING OF EXISTING PAVEMENT, 2.0° DEPTH.

V2 MILLING OF EXISTING PAVEMENT, 1.5° DEPTH.

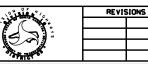
2024-2025 UNION COUNTY RESURFACING

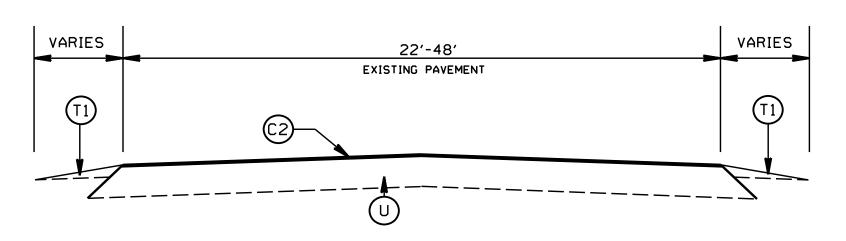
SCALE -NADATE 11/23

DWG. BY AJB

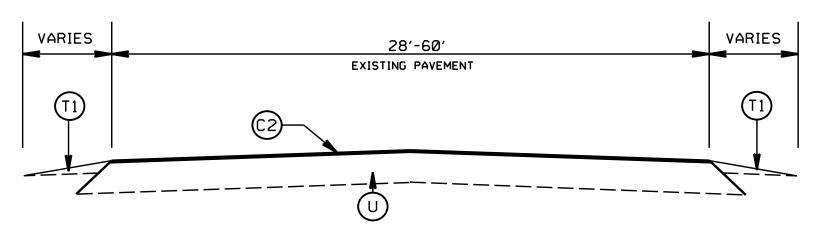
DESIGN BY AJB

APPROVED CLA





TYPICAL SECTION NO.7
NC 200 MLK BLVD (MAP 2)
APPROX. STA. 10+80 TO 21+22
SR-1501 IDLEWILD ROAD (MAP 7)
APPROX. STA. 10+00 TO 35+10
SR-1736 OLD LAWYERS ROAD (MAP 4)
APPROX. STA. 24+80 TO 63+33



TYPICAL SECTION NO.8
SR 1501 IDLEWILD ROAD (MAP 7)
APPROX. STA. 35+10 TO 37+60
APPROX. STA. 38+30 TO 42+20

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.09.10901 2024CPT.10.09.20901	10	
		-	

F.A. PROJECT NO.

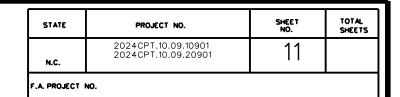
PAVEMENT SCHEDULE

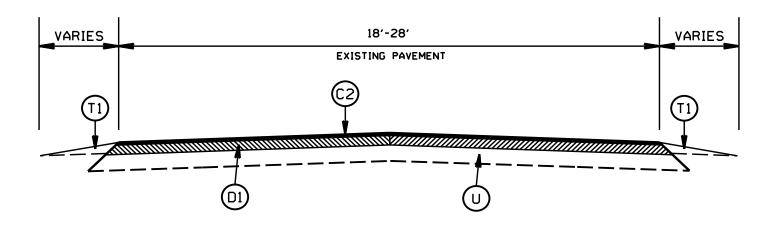
(E)	PROP. APPROX. 2.0° ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
(S)	PROP. APPROX. 1.5" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
C3	ASPHALT SURFACE TREATMENT, MAT COAT # 67
(E)	PROPOSED 2.5 ASPHALT CONC. INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(1)	SHOULDER RECONSTRUCTION
(EXISTING PAVEMENT
(v)	MILLING OF EXISTING PAVEMENT, 2.0" DEPTH.
(V2)	MILLING OF EXISTING PAVEMENT, 1.5° DEPTH.

2024-2025 UNION COUNTY RESURFACING

CALE	-MA-	يثعث ا
ATE	11/23	* ** ***
WG. BY	AJB	
ESIGN BY	AJB	
APPROVED	CLA	o Septimi

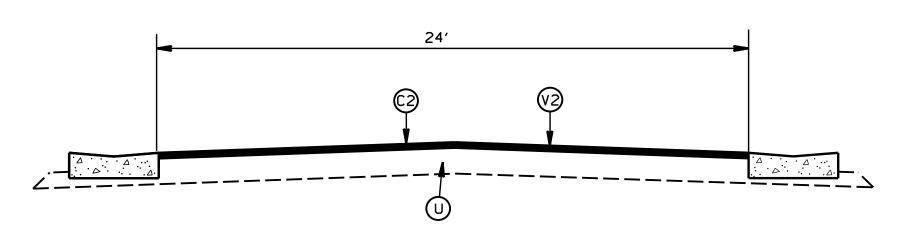
ريخفلفوس	REVISIONS		
No PRICE SO			





TYPICAL SECTION NO.9

SR 1736 OLD LAWYERS ROAD (MAP 4)
APPROX. STA. 10+00 TO 24+80



TYPICAL SECTION NO.10 SR 3728 UNION WEST BLVD (MAP 5)

PAVEMENT SCHEDULE

ı	PROP. APPROX. 2.0' ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE
	PROP. APPROX. 2.0" ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.

	PROP. APPROX. 1.5" ASPHALT	CONC. SURFACE	COURSE, TYPE	S9.5C, AT A	N AVERAGE
(UZ)	PATE OF 168 LBS PER SO	VD.			

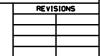
U EXISTING PAVEMENT

(v2) MILLING OF EXISTING PAVEMENT. 1.5" DEF	EPTH.
---	-------

2024-2025 UNION COUNTY RESURFACING

CALE -NADATE 11/23
DWG. BY AJB
DESIGN BY AJB





STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.09.10901 2024CPT.10.09.20901	12	
.A. PROJECT N	0		

NOTES:

I.DEPTH OF PATCHING WILL BE AS DIRECTED BY THE ENGINEER.

2. SHOULDER RECONSTRUCTION WILL BE AS DIRECTED BY THE ENGINEER.

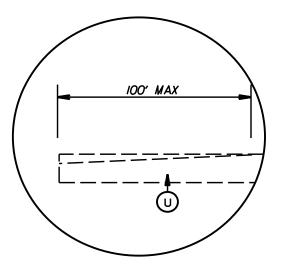
3.NO TREATMENT FOR THE SECTION OF SR-1315 NEW TOWN ROAD (MAP 6) APPROX. STA. 23+80 TO 34+40 SEE TYPICAL SECTION #6.

4.CURB REMOVAL AND REPLACEMENT WILL BE AS DIRECTED BY THE ENGINEER.

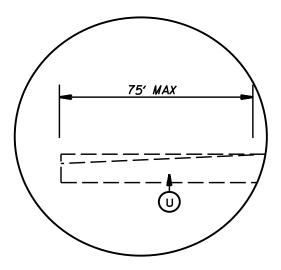
2024-2025 UNION COUNTY RESURFACING

SCALE	-NA-	Ī
DATE	01/20	
DWG. BY	AMO	
DESIGN BY	AMO	
APPROVED	CLA	

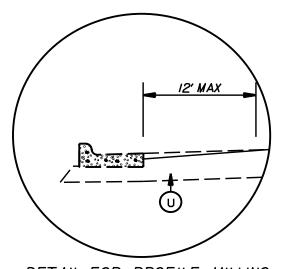




DETAIL FOR INCIDENTAL MILLING (O" TO 2.0")



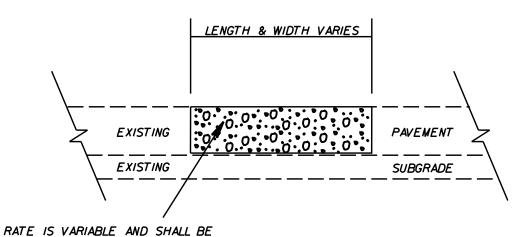
DETAIL FOR INCIDENTAL MILLING (O" TO 1.5")



DETAIL FOR PROFILE MILLING

AS DIRECTED BY THE ENGINEER.
ASPHALT TYPE 119.0C SHALL BE PLACED.

PATCHING DETAIL



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.	2024CPT.10.09.10901 2024CPT.10.09.20901	13	

F.A. PROJECT NO.

PAVEMENT SCHEDULE

CI	PROP. APPROX. 2.0° ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 224 LBS. PER SO. YD.
(53	PROP. APPROX. 1.5° ASPHALT CONC. SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
(3)	ASPHALT SURFACE TREATMENT, MAT COAT # 67
<u>a</u>	PROPOSED 2.5 ASPHALT CONC. INTERMEDIATE COURSE, TYPE 119.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
(1)	SHOULDER RECONSTRUCTION
(-)	EXISTING PAVEMENT
(VI)	MILLING OF EXISTING PAVEMENT, 2.0° DEPTH.
(V2)	MILLING OF EXISTING PAVEMENT, 1.5° DEPTH.

2024-2025 UNION COUNTY RESURFACING

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.

ASPHALT OVERLAY	SHOULDER WEDGE	ASPHALT OVERLAY—	SHOULDER WEDGE
	↑ ↑ APPROVED BACKFILL MATERIAL		APPROVED BACKFILL MATERIAL
	ZEXISTING UNIMPROVED SHOULDER		ZEXISTING UNIMPROVED SHOULDER
PROPOSED PAVEMENT —		EXISTING PAVEMENT —	

SHOULDER WEDGE DETAIL

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

SHOULDER WEDGE DETAIL
(RESURFACING PROJECTS W/ NO WIDENING)

STATE

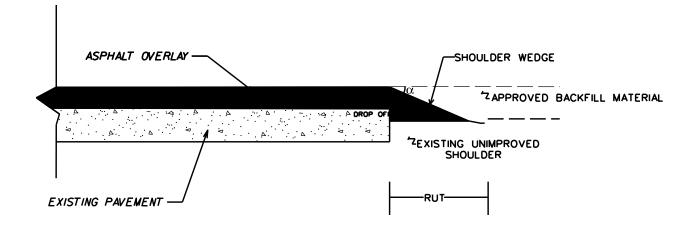
N.C.

.A. PROJECT NO.

PROJECT NO.

2024CPT.10.09.10901
2024CPT.10.09.20901

14

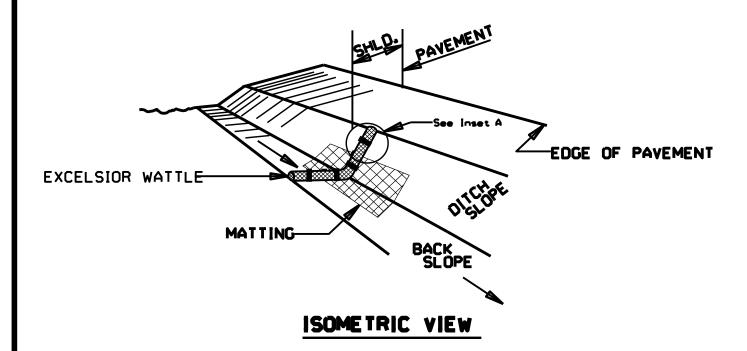


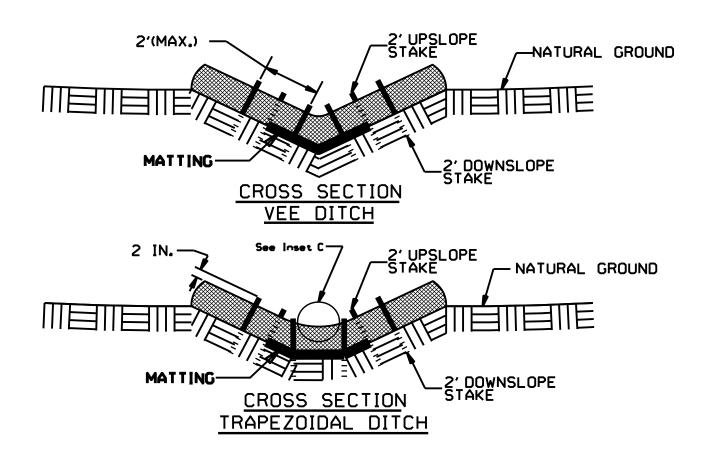
SHOULDER WEDGE DETAIL (RESURFACING ADJACENT TO RUTTED SHOULDER)



	SHO	OULDER WEDGE DETA	AILS
SCALE	-NA-	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	REVISIONS
DATE	08/18		
DWG. BY	AMO		
DESIGN BY	AMO		
APPROVED	CLA	10 10 10 10 10 10 10 10 10 10 10 10 10 1	

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.

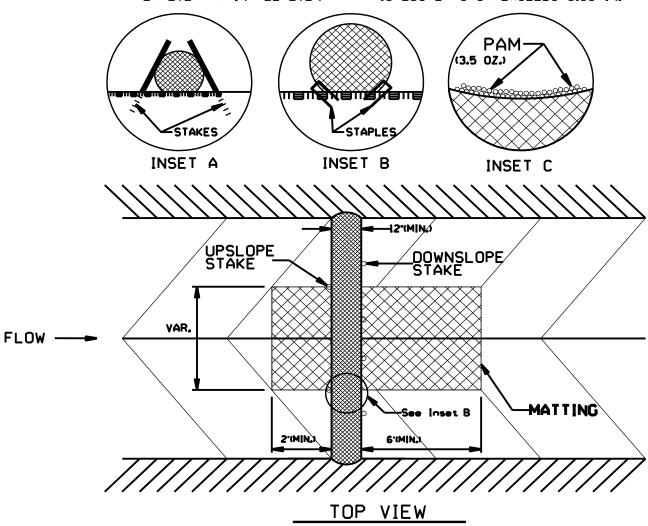
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12' IN LENGTH.

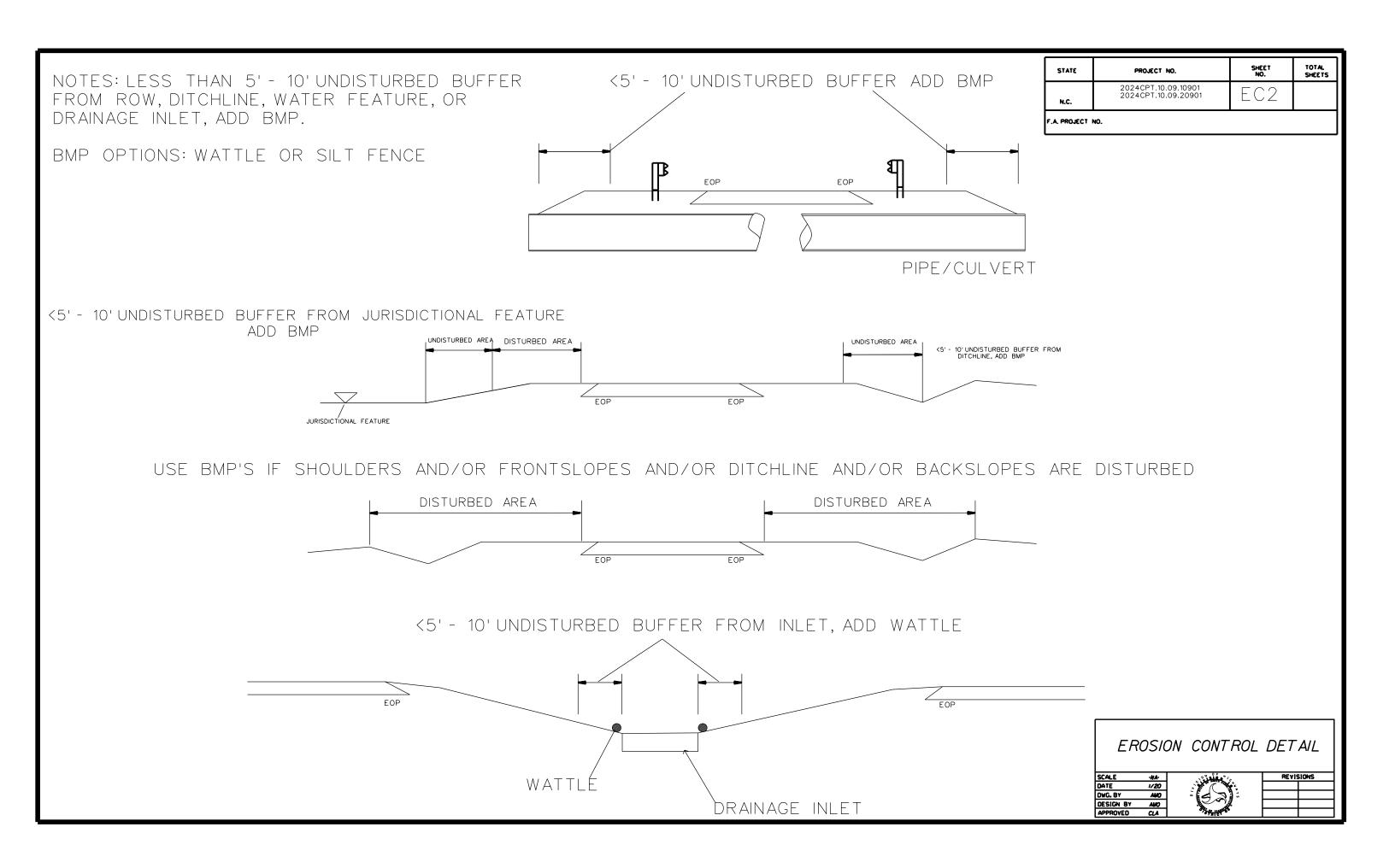
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

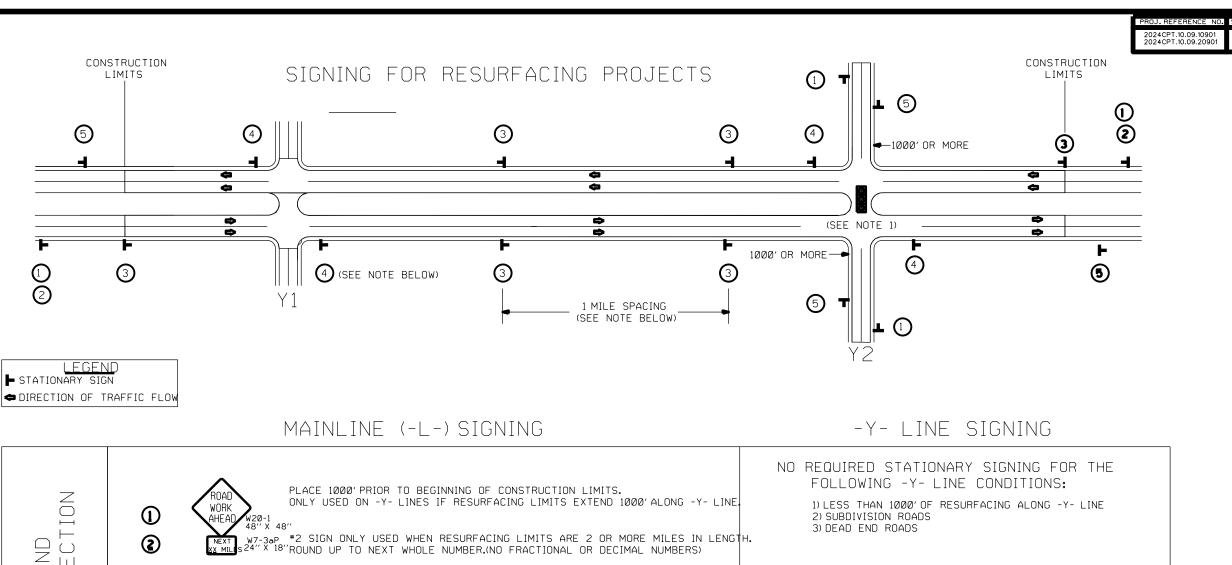
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.

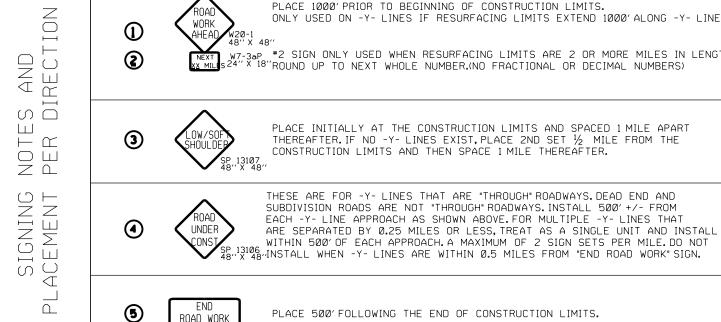
PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.

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.









ROAD WORK

G2Ø-2 A 48" X 24"

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.





PLACED 500' IN ADVANCE OF FLAGGER. PLACED 250' IN ADVANCE OF FLAGGER

NOTES:

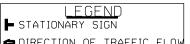
1) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.



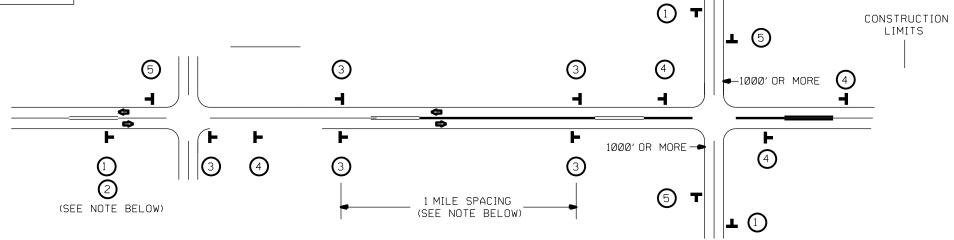
RESURFACING ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN MULTI-LANE ROADWAYS W/ SHOULDER SECTIONS

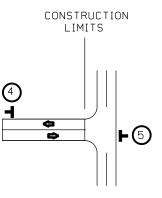
PROJ.REFERENCE NO. SHEET NO. 2024CPT.10.09.1090 2024CPT.10.09.2090

SIGNING FOR RESURFACING PROJECTS



DIRECTION OF TRAFFIC FLOW

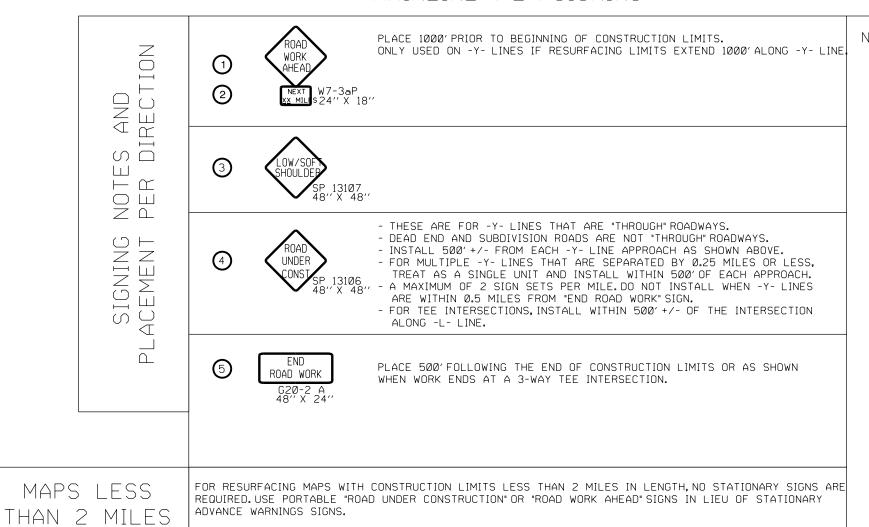




TEE INTERSECTION

MAINLINE (-L-) SIGNING

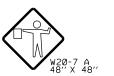
-Y- LINE SIGNING



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

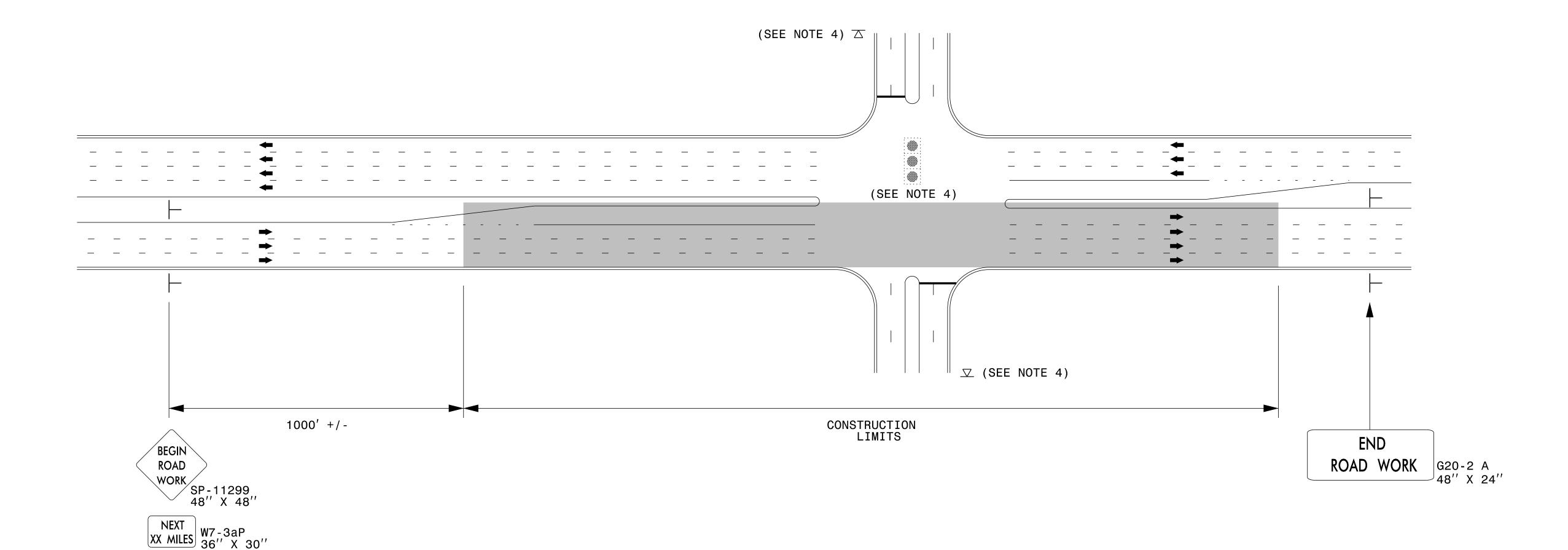






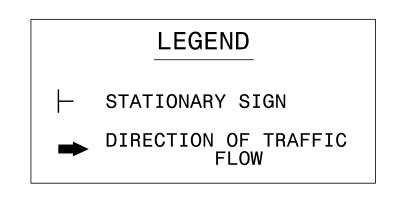
ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

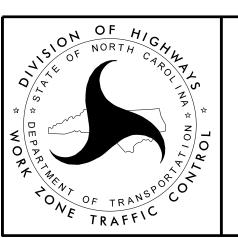
URBAN / SUBURBAN WORKZONES



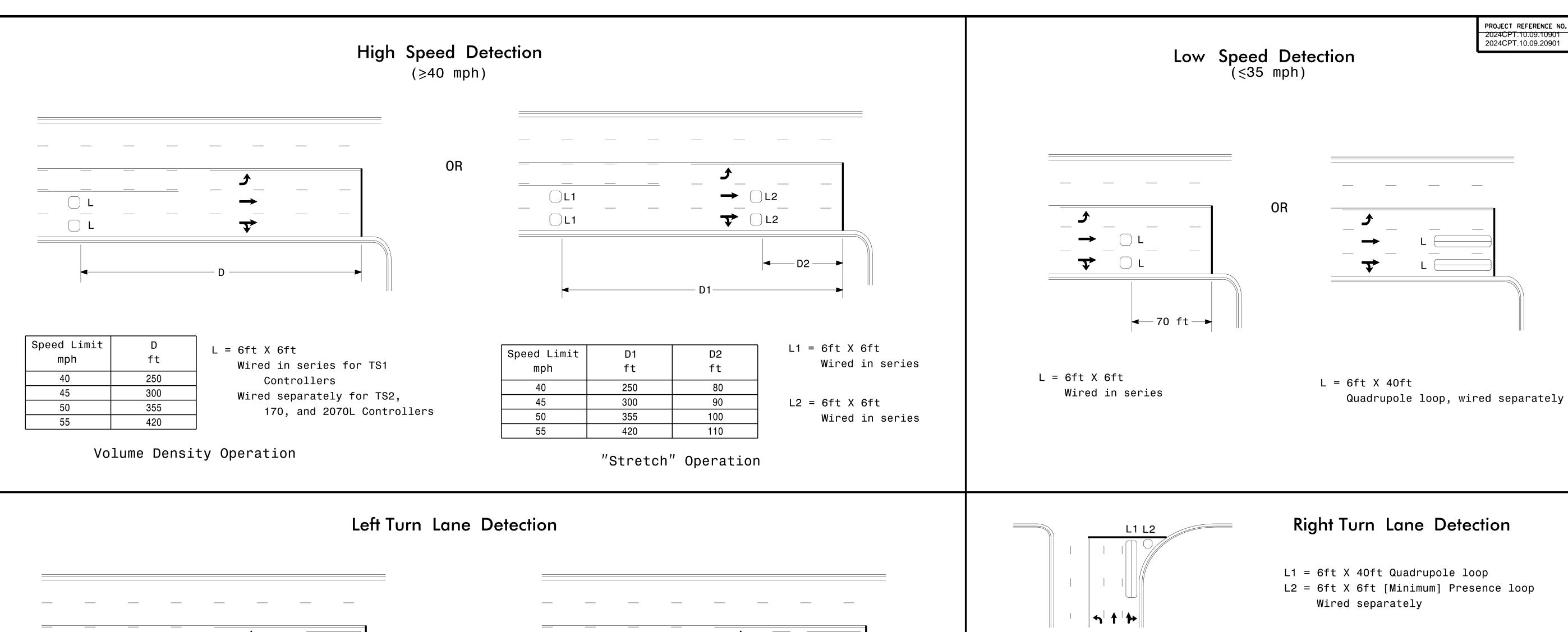
NOTES:

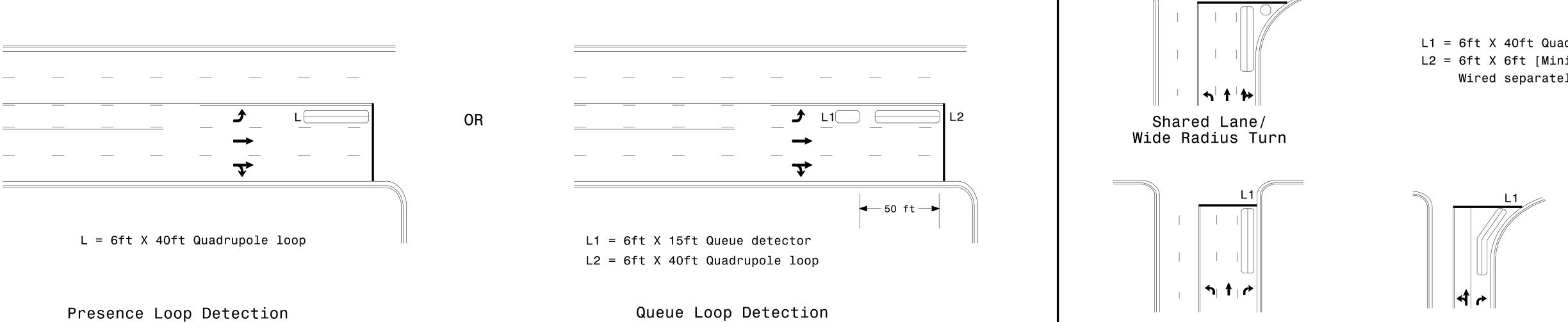
- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) 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.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS.THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

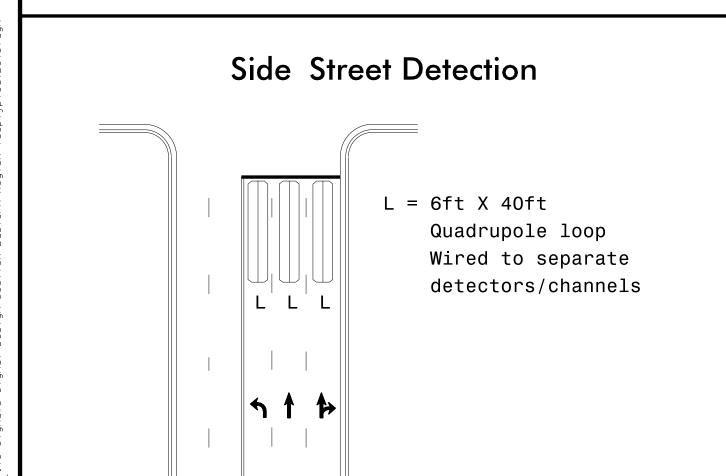




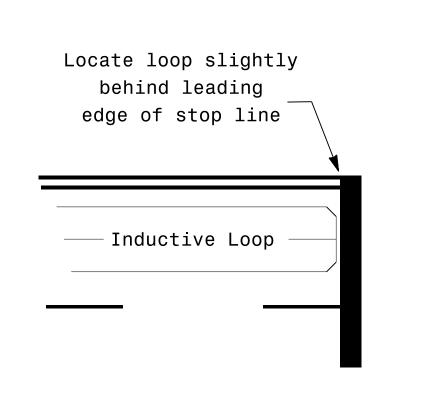
RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES







Presence Loop Placement at Stop Lines



Note:

Loop may be located in advance of stop line under any of the following conditions:

- 1) stop line is greater than 15' from edge of intersecting roadway
- 2) loop detects a permissive or protected/permissive left turn
- 3) for an exclusive right turn lane

Recommended Number of Turns

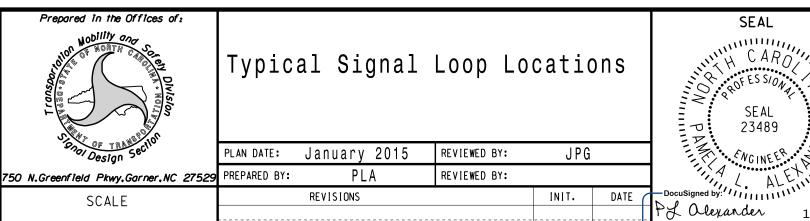
Single 6' X 6' loop (when wired separately):

ion wired ee	paracory, i
Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Standard Turn

Quadrupole loops: Use 2-4-2 turns 6' X 15' Loops: Lead-in < 150', use 2 turns Lead-in > 150', use 3 turns

Wide Radius Turn



PROJECT REFERENCE NO. 2024CPT.10.09.10901 2024CPT.10.09.20901

Channelized Turn

20

N/A

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.10.09.10901	21	
2024CPT.10.09.20901	21	

SUMMARY OF QUANTITIES

														- 3	O IVI	IVI A F		. QUP	ANTIT	163													
										1220000000-E	1245000000-E	1260000000-E	1297000	3-000	1308000		1330000000-E	1503000000-E	1523000000-E	1524000000-E	1575000000-E	1704000000-E	1775500000-E	1838000000-E	2484000000-E	2612000000-E	5255000000-N	6000000000-E	6009000000-E	6012000000-E	6071002000-E	6071010000-E	7444000000-E
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO LA	INES LA	ANE FINAL	WARM MI	X LENGTH WIDTH	INCIDENTAL	SHOULDER	AGGREGATE	2" MILLING		0" TO 2.5"		INCIDENTAL	INTERMEDIATE		LEVELING	ASPHALT	PATCHING	ASPHALT	EMULSION FO		6" DRIVEWAYS	PORTABLE	TEMPORARY	STONE FOR	SEDIMENT	FLOCCULANT	WATTLE	INDUCTIVE
						T	YPE SURFACE			STONE BASE	RECONSTRUCTION	SHOULDER		MILLING	MILLING	MILLING	MILLING	COURSE, 119.00	COURSE, S9.5C	COURSE, S9.5C	BINDER FOR	EXISTING	SURFACE	ASPHALT	DRAINAGE ITEM		LIGHTING	SILT FENCE	EROSION	CONTROL			LOOP
							TESTING	REQUIRED)			BORROW									PLANT MIX	PAVEMENT	TREATMENT,	SURFACE	(LF) REMOVE				CONTROL,	STONE			
							REQUIRED)															MATCOAT, #6	TREATMENT	AND REPLACE				CLASS B				
																							STONE		CONCRETE								
																									CURB AND								
																									GUTTER								
									MI FT	TONS	SMI	TON	SY	SY	SY	SY	SY	TONS	TONS	TONS	TONS	TONS	SY	GAL	LF	SY	LS	LF	TON	TON	LB .	LF	UF
			NC-200 /DICKERSON BLVD	FROM SR-1009 OLD CHARLOTTE HWY	4																												
2024.09.10901	Union	1	ROUTE ID 30000200090	TO E. US 74																													
			NOOTE ID 30000200090	FROM MP 17.14 TO MP 17.81	1,2,3	5 N	MD NO	NO	0.67 64				25,370						3,246		201	200			50		0.25	101	13	7	0.30	101	1,290
	TOTA	AL FOR MA	P NO. 1						0.67				25,370						3,246		201	200			50			101	13	7	0.30	101	1,290
1		1 7		FROM SR-1009 OLD CHARLOTTE HWY	1 T		1		1 7										1			1	1	1	1								1
2024.09.10901	Heion	,	NC-200/ MLK	TO PVMT JT SOUTH OF MELTON RD SE	R		- 1	1	1 1	l		l	1	1					1	I	1		1		1		I	1		1	1		1
2024.09.10901	union		ROUTE ID 30000200090	1166 FROM																													
				MP 17.12 TO MP 16.91	4,7	2 21	WU NO	NO	0.21 47		0.42	100					1,380		435		28	50					0.25	32	4	2	0.10	32	340
	TOTA	AL FOR MA	IP NO. 2						0.21		0.42	100					1,380		435		28	50					0.25	32	4	2	0.10	32	340
	OTAL EOR	BROLNO 3	2024.09.10901						0.88		0.42	100	25,370				1,380		3,681		229	250			50		0.50	133	17	9	0.40	133	1,630
	DIALION	ritorito.	1014.03.10301										25,3	70																			
			SR-1009 / OLD CHARLOTTE	FROM NC 200 DICKERSON BLVD TO SE	R																												
2024.09.20901	Union	3	HWY ROUTE ID 40001009090	1007 ROCKY RIVER RD																													
		l l'		FROM MP 1.65 TO MP 4.39	5	2 21	WU NO	NO	2.74 26	315	5.48	1,266			400		2,000		5,489	600	383	500	41,794	14,630		486	0.25	411	55	27	1	411	230
	TOTA	AL FOR MA	IP NO. 3						2.74	315	5.48	1,266			400		2,000		5,489	600	383	500	41,794	14,630		436	0.25	411	55	27	1	411	230
				FROM SR-1719 MARSHVILLE OLIVE																													
2024.09.20901	. I to Lane		SR-1736 / OLD LAWYERS RD	BRANCH RD TO HAMILTON																													
2024.09.20901	union		ROUTE ID 40001736090	CROSSROADS RD SR-1741																													
				FROM MP 2.37 TO MP 1.36	7,9	2 21	WU NO	NO	1.01 20	60	2.02	747					750	600	1,172		117	400						151	20	10	0.40	151	
	TOTA	AL FOR MA	IP NO. 4						1.01	60	2.02	747					750	600	1,172		117	400						151	20	10	0.40	151	
		l 1,	SR-3728 / UNION WEST BLVD	FROM SR-3730 RICHARD BAKER DR TO	D																												
2024.09.20901	Union	5	ROUTE ID 40003728090	EOM																													
				FROM MP 0.00 TO MP 0.49	10	2 21	WU NO	NO	0.49 24					7,213					726		57	300			200			74	10	5	0.20	74	
	TOT	AL FOR MA	P NO. 5					1	0.49					7,213					726		57	300	1		200			74	10	5	0.20	74	4
1		1 1		FROM PVMT JT AT RAB WEST OF SR-	1		- 1	1	1 1	l		l	1	1					1	I	1		1		1		I	1		1	1		1
2024.09.20901	Union	6	SR-1315 / NEW TOWN RD	1319 ENNIS RD TO PVMT JT EAST OF	1 1		1	1	1 1	l				1					1		1		1		1			1		1	1		1
		1 1	ROUTE ID 40001315090	SR 3440 SHIMRON LN	1 1		1	1	1 1	l				1					1		1		1		1			1		1	1		1
				FROM MP 10.80 TO MP 11.50	5,6	2 21	WU NO	NO	0.7 22	65	0.83	191					1,222		723		58	310	5,329	1,870	1	54		62	8	4	0.20	62	4
	TOTA	AL FOR MA	IP NO. 6						0.7	65	0.83	191					1,222		723		58	310	5,329	1,870		54		62	8	4	0.20	62	
		1 1		PVMT JOINT EAST OF SR-1524	1 1		1	1	1 1	l				1					1		1		1		1			1		1	1		1
2024.09.20901	Union	7	SR-1501 / IDLEWILD RD	STEVENS MILL TO PVMT JT BEFORE																													
		1 1	ROUTE ID 40001501090	MECKLENBURG COUNTY LINE	1 1		1	1	1 1	l				1					1		1		1		1			1		1	1		1
				FROM MP 9.75 TO MP 10.36	4,7,8	2 21	WU NO	NO	0.61 26	40	1.22	170				160	915		1,255	305	107	305					0.25	91	12	6	0.20	91	700
	TOTA	AL FOR MA	P NO. 7			_	_	_	0.61	40	1.22	170				160	915		1,255	305	107	305	 	1			0.25	91	12	6	0.20	91	700
1 .	OTAL FOR	PROJ NO. 2	2024.09.20901		+		_	+	5.55	480	9.55	2,374		7,213		160	4,887	600	9,365	905	722	1,815	47,123	16,500	200	540	0.50	789	105	52	2	789	930
						_		+					7,21		56			1	1	1		1	1	1	1		1						+
1		GRAND TO	TAL			_	_	_	6.43	480	9.97	2,474	25,370		400	160	6,267	600	13,046	905	951	2,065	47,123	16,500	250	540	1	922	122	61	2.40	922	2,560
					1 1		1	1	1 1			l .	32,5	83	56	U		1	1	1	1	1	1	1	1	l	1	1	1	1	1		1

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.10.09.10901	22	
2024CPT.10.09.20901	22	

THERMOPLASTIC AND PAINT QUANTITIES

						44:	13000000-E 4	4457000000-N	4510000000-N	4520000000-N	468500	00000-E	469500	0000-E	4700000000-E	4704000000-E	4709000000-E	4720000	000-E			4725000000-E			481000	00000-E	4840000000-N		48450	00000-N		4905000000-N
PROJECT NO COUNTY MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES LA	NE LENGTH	WIDTH W	ORK ZONE	TEMPORARY	LAW	TUBULAR	4" X 90 M	4" X 90 M	8" X 90 M	8" X 90 M	12" X 90 M	16" x 90 M	24" X 90 M	THERMO MSG	THERMO RXR	THERMO LT	THERMO RT	THERMO STR	THERMO STR	THERMO STR	4" WHITE	4" YELLOW	PAINT MSG	PAINT RT	PAINT LT	PAINT STR	PAINT STR &	SNOW
				TY	PE	AE	OVANCE/GE	TRAFFIC	ENFORCEMENT	MARKERS	WHITE	YELLOW	WHITE	YELLOW	YELLOW	WHITE	WHITE THERMO	ONLY 90 M	90 M	ARROW 90	ARROW 90	ARROW 90 M	& LT ARROW	& RT ARROW	PAINT	PAINT	ONLY	ARROW	ARROW	ARROW	LT ARROW	PLOWABLE
							NERAL	CONTROL		(FIXED)	THERMO	THERMO	THERMO	THERMO	THERMO	THERMO				M	M		90 M	90 M								MARKERS
						١.	WARNING																									
							SIGNING																									
					MI	FT	SF	LS	HR	EA	LF	LF	Th.	LF	я	UF	Ti.	EA	EA	EA	EA	EA	EA	EA	LF	LF	EA	EA	EA	EA	EA	EA
	NC-200 /DICKERSON BLVD	FROM SR-1009 OLD CHARLOTTE HWY																														
2024.09.10901 Union 1	ROUTE ID 30000200090	TO E. US 74																														
	NOOTE ID 30000200090	FROM MP 17.14 TO MP 17.81	1,2,3	5 M	D 0.67	64	126	0.20	120		2,480	7,950	100				220	16		28	8	2	2		2,480	7,950	8	4	14	2	2	265
TOTAL FOR M	IAP NO. 1				0.67		126	0.20	120		2,480	7,950	100					16		28	8	2	2		2,480	7,950	8	4	14	2	2	265
																100																
	NC-200/ MLK	FROM SR-1009 OLD CHARLOTTE HWY	1 1																													
2024.09.10901 Union 2	ROUTE ID 30000200090	TO PVMT JT SOUTH OF MELTON RD SE	8																													
	-	1166 FROM MP 17.12 TO MP 16.91	4.7	2 2V	VU 0.21	47	126	0.12	40		2.343	2.610					140		4	2				2								18
TOTAL FOR M	IAP NO. 2				0.21		126	0.12	40		2,343	2,610				100	140		4	2				2								18
					0.88		252	0.32	160		4,823	10,560	100			100	360	16	4	30	8	2	2	2	2,480	7,950	8	4	14	2	2	283
TOTAL FOR PROJ NO.	. 2024.09.10901										15,	383	10	0				20				44			10,	430				12	•	
	SR-1009 /OLD CHARLOTTE	FROM NC 200 DICKERSON BLVD TO SR	L .																													
2024.09.20901 Union 3		1007 ROCKY RIVER RD																														
	HWY ROUTE ID 40001009090	FROM MP 1.65 TO MP 4.39	5	2 2V	VU 2.74	26	277	0.20	40		30,352	33,009		345			90			11	2	5										456
TOTAL FOR M	IAP NO. 3				2.74		277	0.20	40		30,352	33,009		345						11	2	5										456
		FROM SR-1719 MARSHVILLE OLIVE																														
	SR-1736 / OLD LAWYERS RD	BRANCH RD TO HAMILTON																														
2024.09.20901 Union 4	ROUTE ID 40001736090	CROSSROADS RD SR-1741																														
		FROM MP 2.37 TO MP 1.36	7,9	2 2V	VU 1.01	20		0.12																	21,332	21,332						
TOTAL FOR M	IAP NO. 4				1.01			0.12																	21,332	21,332						
		FROM SR-3730 RICHARD BAKER DR TO																														
2024.09.20901 Union 5	SR-3728 / UNION WEST BLVD	EOM																														
	ROUTE ID 40003728090	FROM MP 0.00 TO MP 0.49	10	2 2V	VU 0.49	24		0.12																								
TOTAL FOR M	IAP NO. 5				0.49			0.12																								
		FROM PVMT JT AT RAB WEST OF SR-																														
	SR-1315 / NEW TOWN RD	1319 ENNIS RD TO PVMT JT EAST OF	1 1		1																					1	1			1		1
2024.09.20901 Union 6	ROUTE ID 40001315090	SR 3440 SHIMRON LN	1 1										1				1			I	1	I	1			1	1			1		1
		FROM MP 10.80 TO MP 11.50	5.6	2 2V	VU 0.7	22		0.12			4.360	4.360																				
TOTAL FOR M	1AP NO. 6		11	- 1	0.7			0.12			4,360	4,360															1					
		PVMT JOINT EAST OF SR-1524																														
	SR-1501 / IDLEWILD RD	STEVENS MILL TO PVMT JT BEFORE																														
2024.09.20901 Union 7	ROUTE ID 40001501090	MECKLENBURG COUNTY LINE	1 1		1																					1	1			1		1
		FROM MP 9.75 TO MP 10.36	4.7.8	2 2V	VU 0.61	26		0.12	40	32	7.155	9.852	1		286		132	8		8	4	I	1			1	1			1		1
TOTAL FOR M	IAP NO. 7		1		0.61			0.120	40	32	7,155	9,852			286		132	8		8	4	1		1			1					
					5.55		277	0.680	80	32	41.867	47,221		345	286		222	8		19	6	5			21.332	21.332	1					456
TOTAL FOR PROJ NO.	. 2024.09.20901				1							088	34				22	8		1		30				664	1					
					6.43		529	1	240	32		57,781	100		286	100	582	24	4	49	14	7	2	2	23,812		8	4	14	2	2	739
GRAND TO	OTAL				1				-			471	44				82	28				74				.094				12		
				_	_							,		•												,				•		