

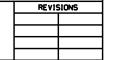
MAP
#1 NC 115 S. MAIN STREET

DESCRIPTION
FROM CORNELIUS ST. TO IREDELL COUNTY

2025 MECKLENBURG COUNTY RESURFACING CONTRACT \*2

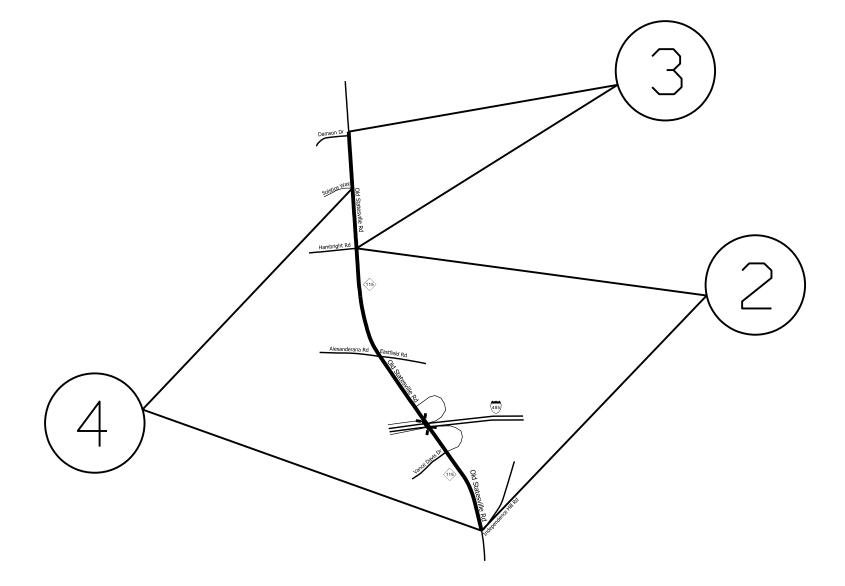
SCALE -NA-DATE DWG. BY JHE DESIGN BY





STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.			
WBS NO.	2025CP1.	0.08.10601 0.08.20601	





#### MAP

#2 NB NC 115 OLD STATESVILLE ROAD

#3 NB NC 115 OLD STATESVILLE ROAD

#4 SB NC 115 OLD STATESVILLE ROAD

#### DESCRIPTION

FROM INDEPENDENCE HILL DRIVE TO HAMBRIGHT RD

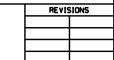
FROM HAMBRIGHT RD TO PAVEMENT JOINT AT DAMSON DRIVE

FROM SOLSTICE WAY TO VANCE DAVIS DRIVE

#### 2025 MECKLENBURG COUNTY RESURFACING CONTRACT •2

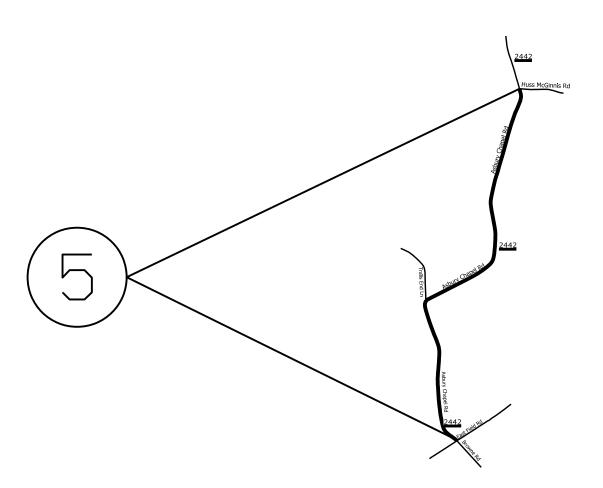
SCALE -MA-DATE DWG. BY JHE DESIGN BY





STATE PROJECT NO. SHEET NO. SHEETS N.C. WBS NO. 2025CPT.10.08.10601 2025CPT.10.08.20601





MAP

#5 SR 2442 ASBURY CHAPEL RD

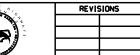
DESCRIPTION

FROM HUSS MCGINNIS ROAD TO EASTFIELD ROAD

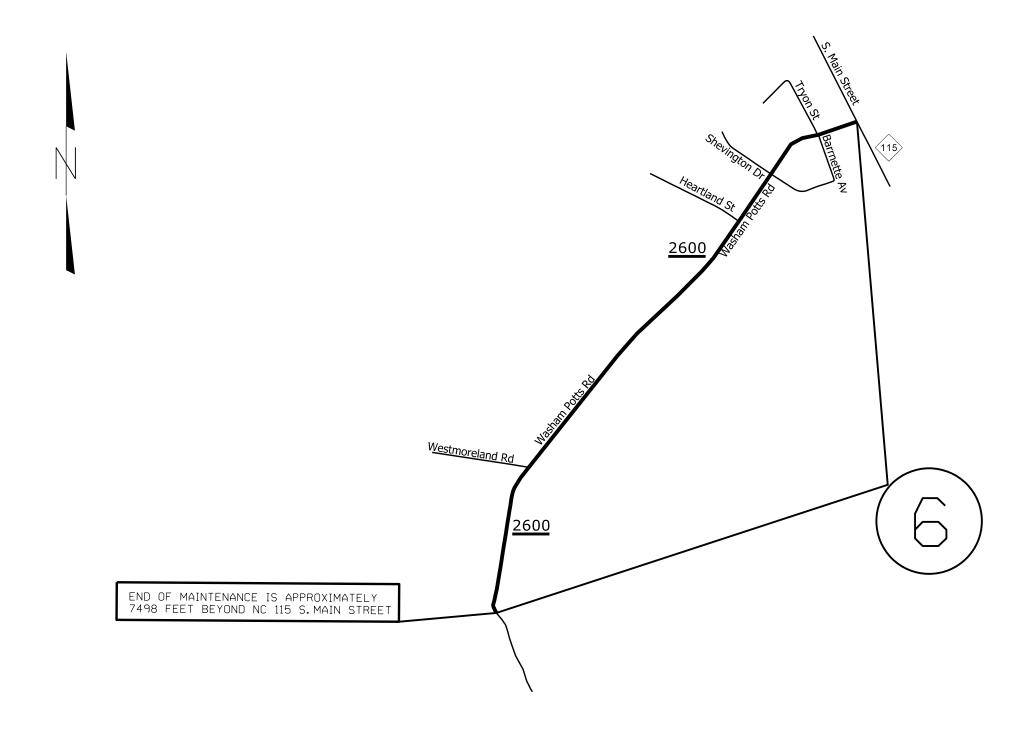
2025 MECKLENBURG COUNTY RESURFACING CONTRACT \*2

SCALE
DATE
DWG. BY
DESIGN BY





STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.			
WBS NO.	2025CP1.1	0.08.10601 0.08.20601	



#6 SR 2600 WASHAM POTTS ROAD

DESCRIPTION

FROM NC 115 S. MAIN STREET TO END OF MAINTENANCE

		5 MECKLENBURG COU SURFACING CONTRACT	
:	-NA-	0 1 5 L 0 1 4 /	REVISIO

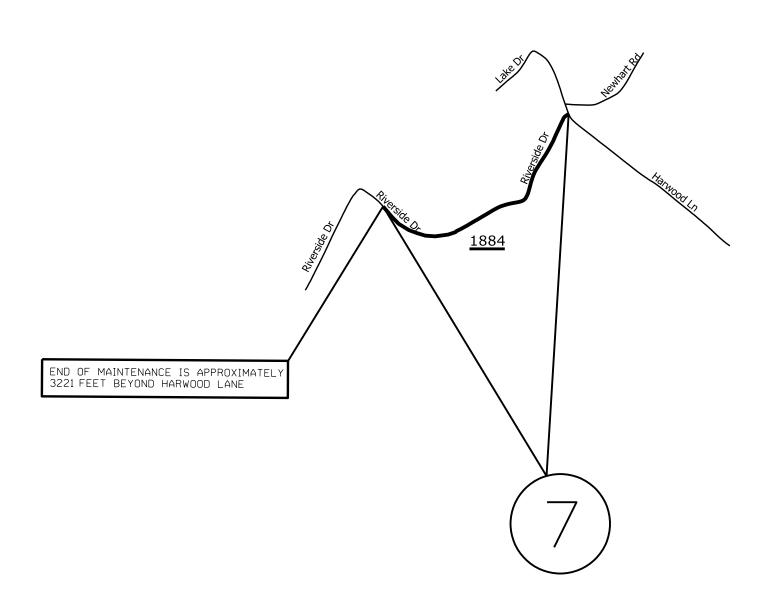
SCALE	-NA-
DATE	
DWG. BY	JHE
DESIGN BY	
<b>APPROVED</b>	





STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.			
WBS NO.	2020CF1.1	0.08.10601 0.08.20601	





MAP

#7 SR 1884 RIVERSIDE DRIVE

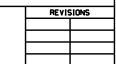
DESCRIPTION

FROM HARWOOD LANE TO END OF MAINTENANCE

2025 MECKLENBURG COUNTY RESURFACING CONTRACT \*2

SCALE -MA-DATE DWG. BY JHE DESIGN BY APPROVED



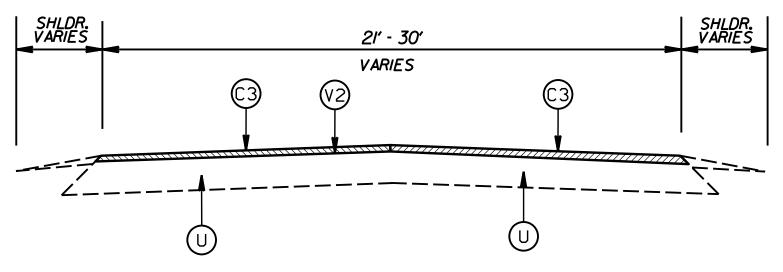


	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C1A	PROP. APPROX. 1.25° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER S0. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
С3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER S0. YD.
Т	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V 1	INCIDENTAL MILLING
٧2	MILLING 1.5" DEPTH
٧3	PROFILE MILLING 0° TO 1.5°

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.			
WBS NO	2025CPT.10 2025CPT.10		

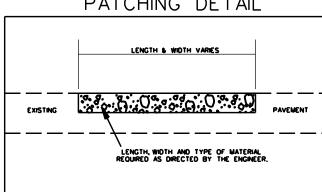
2025 MECKLENBURG COUNTY RESURFACING CONTRACT 2

# NB NC 115 S. MAIN STREET

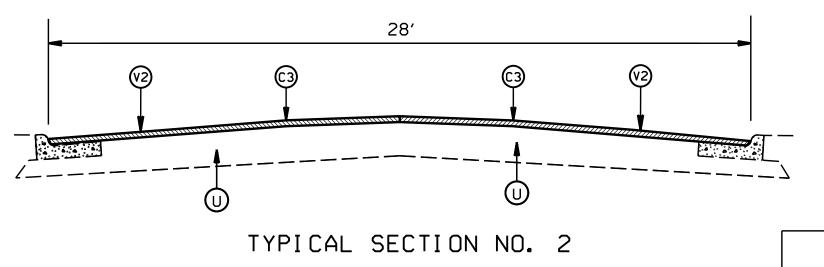


TYPICAL SECTION NO. 1





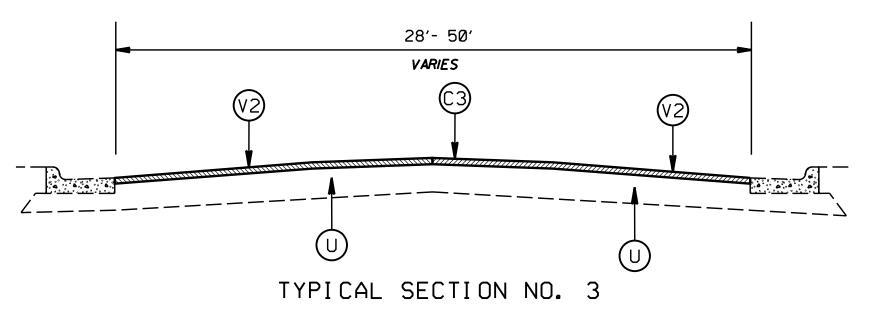
# NB NC 115 S. MAIN STREET



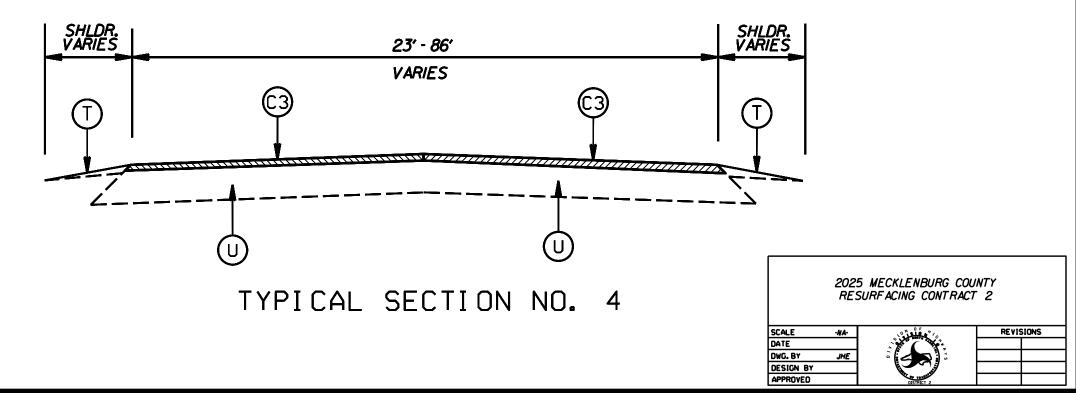
	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C1A	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
С3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
Т	SHOULDER RECONSTRUCTION
$\supset$	EXISTING PAVEMENT
V1	INCIDENTAL MILLING
٧2	MILLING 1.5" DEPTH
٧3	PROFILE MILLING 0" TO 1.5"

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.			
WBS NO. 2025CPT.10.08.10601 2025CPT.10.08.20601			

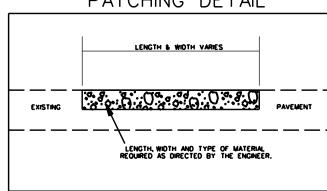
### NB NC 115 S. MAIN STREET



# NB NC 115 OLD STATESVILLE ROAD



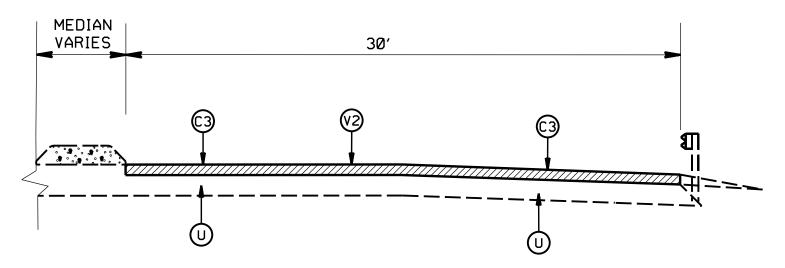
### PATCHING DETAIL



	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SO. YD.
C1A	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SO. YD.
C2	PROP. APPROX. 1.5° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
С3	PROP. APPROX. 1.5° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
Т	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V 1	INCIDENTAL MILLING
٧2	MILLING 1.5° DEPTH
٧3	PROFILE MILLING 0" TO 1.5"

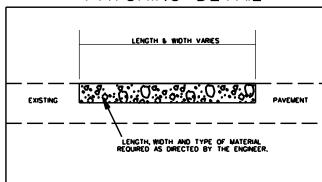
STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.			
WBS NO	2025CPT.10 2025CPT.10		

## NB NC 115 OLD STATESVILLE ROAD

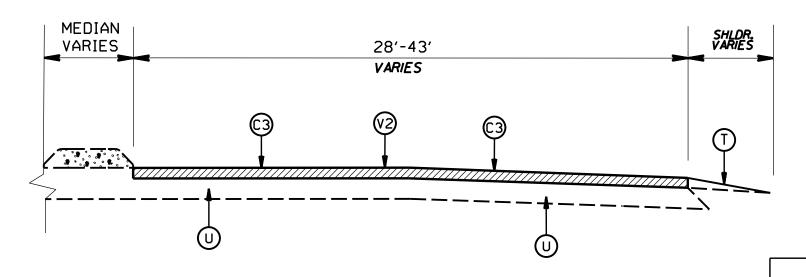


TYPICAL SECTION NO. 5

#### PATCHING DETAIL



## NB NC 115 OLD STATESVILLE ROAD



TYPICAL SECTION NO. 6

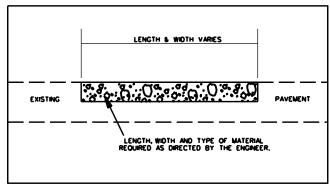
2025 MECKLENBURG COUNTY RESURFACING CONTRACT 2

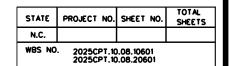
SCALE -NADATE
DWG. BY JHE
DESIGN BY

REVISIONS

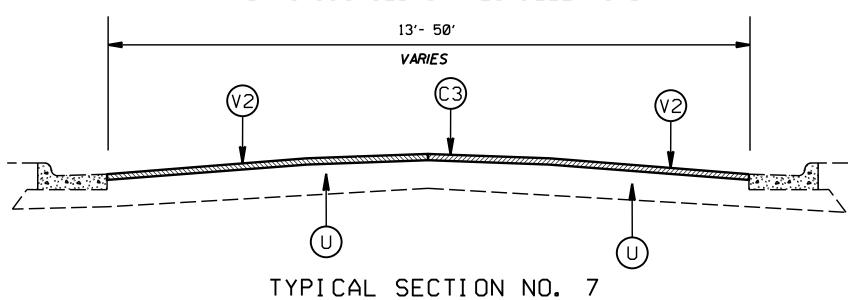
	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
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Т	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V 1	INCIDENTAL MILLING
٧2	MILLING 1.5" DEPTH
٧3	PROFILE MILLING 0" TO 1.5"

#### PATCHING DETAIL

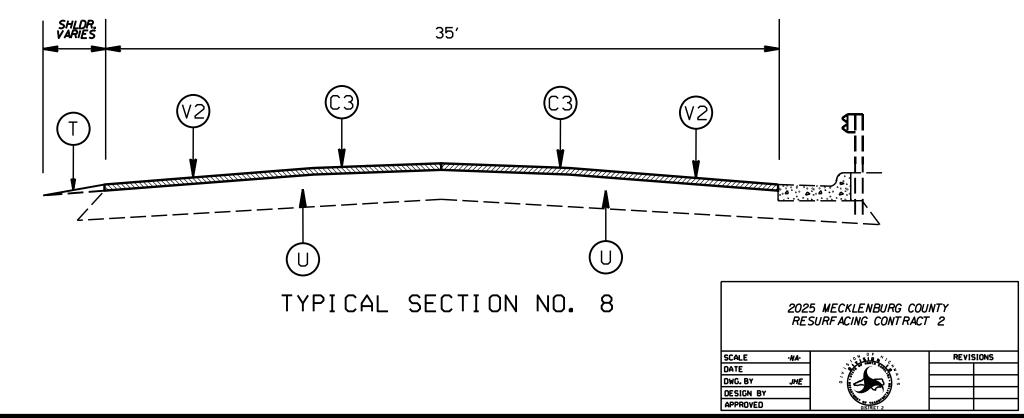




#### NB NC 115 OLD STATESVILLE ROAD



### NB NC 115 OLD STATESVILLE ROAD



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.			
WBS NO			

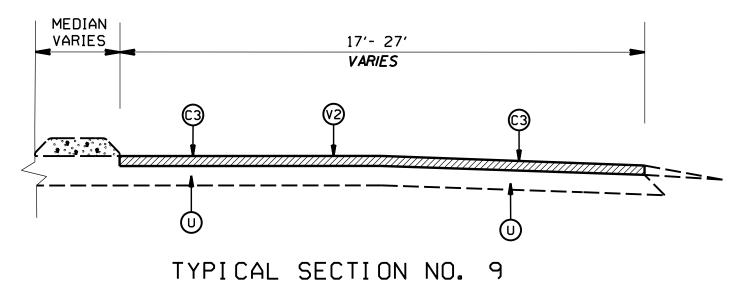
2025 MECKLENBURG COUNTY RESURFACING CONTRACT 2

REVISIONS

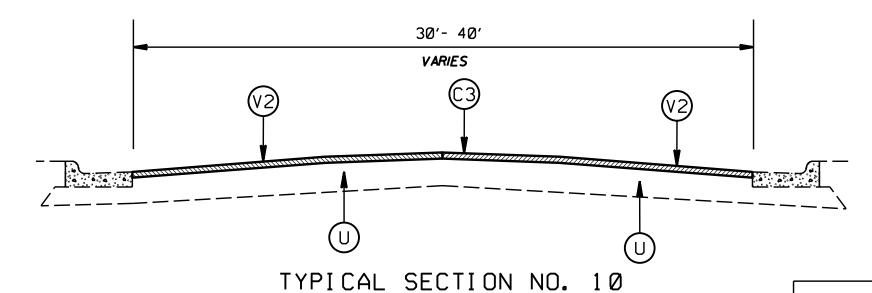
SCALE
DATE
DWG. BY
DESIGN BY

	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
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Т	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V 1	INCIDENTAL MILLING
٧2	MILLING 1.5" DEPTH
٧3	PROFILE MILLING 0" TO 1.5"

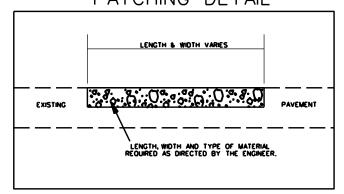
### SB NC 115 OLD STATESVILLE ROAD



### SB NC 115 STATESVILLE ROAD



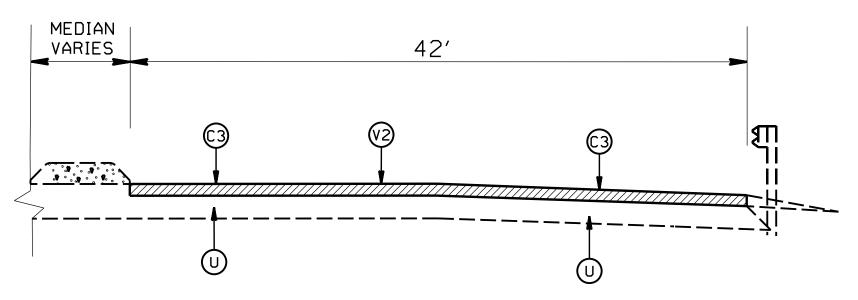
# PATCHING DETAIL



	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER S0. YD.
C1A	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SO. YD.
C2	PROP. APPROX. 1.5° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C, AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
С3	PROP. APPROX. 1.5° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
Т	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V 1	INCIDENTAL MILLING
V2	MILLING 1.5" DEPTH
٧3	PROFILE MILLING 0" TO 1.5"

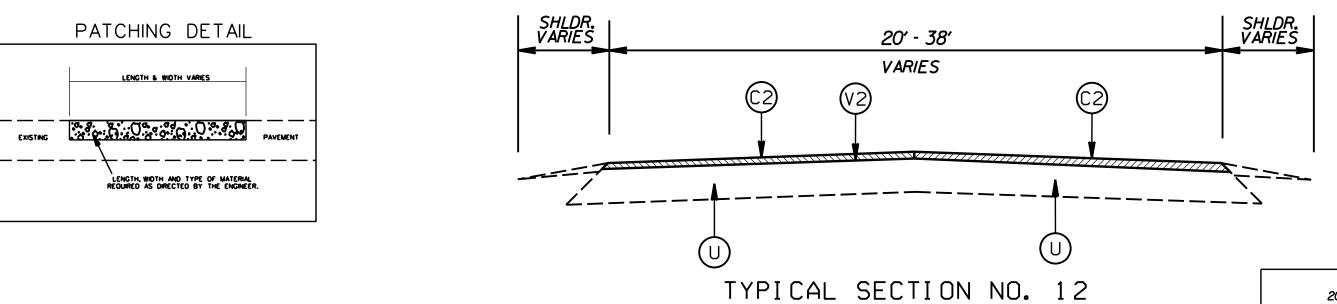
## SB NC 115 OLD STATESVILLE ROAD

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.			
WBS NO	2025CPT.10		



TYPICAL SECTION NO. 11

## ASBURY CHAPEL ROAD



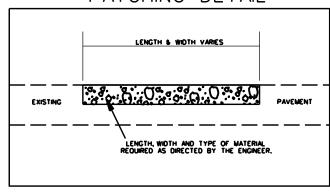
2025 MECKLENBURG COUNTY RESURFACING CONTRACT 2

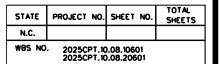
SCALE -NADATE
DWG. BY JHE
DESIGN BY

REVISIONS

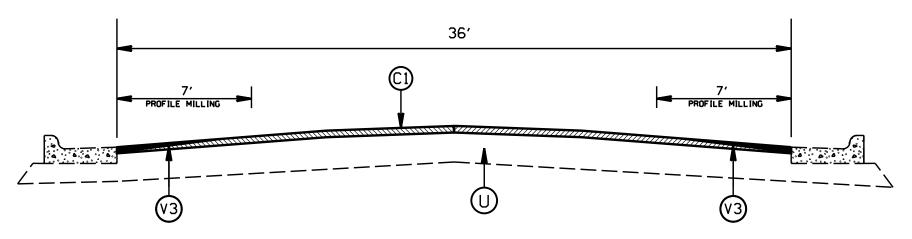
	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SO. YD.
C1A	PROP. APPROX. 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER SO. YD.
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С3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER S0. YD.
Т	SHOULDER RECONSTRUCTION
$\supset$	EXISTING PAVEMENT
V1	INCIDENTAL MILLING
٧2	MILLING 1.5" DEPTH
٧3	PROFILE MILLING 0° TO 1.5°

#### PATCHING DETAIL



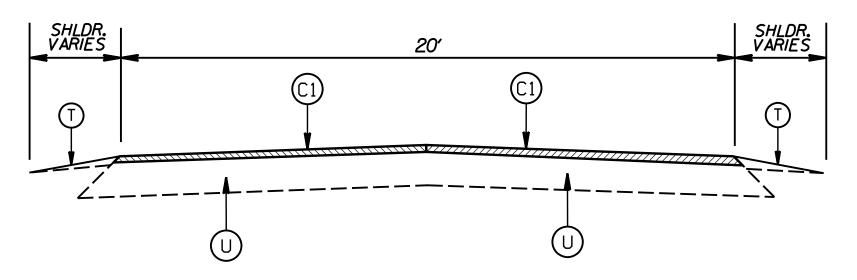


# WASHAM POTTS ROAD



TYPICAL SECTION NO. 13

# WASHAM POTTS ROAD



TYPICAL SECTION NO. 14

2025 MECKLENBURG COUNTY RESURFACING CONTRACT 2

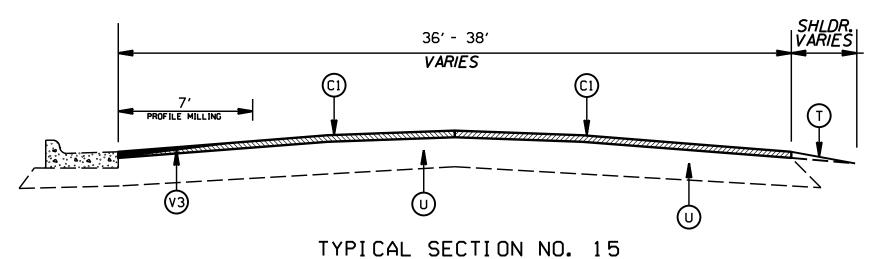
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DWG. BY JHE
DESIGN BY

REVISIONS

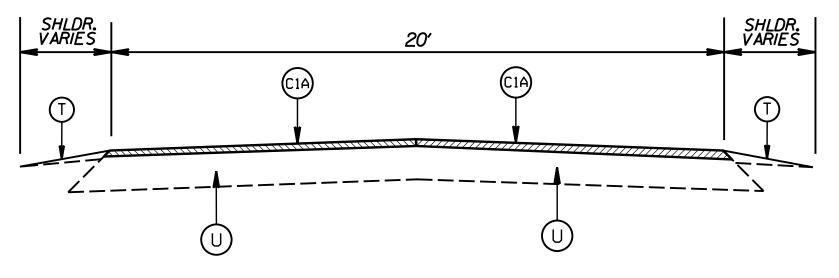
	PAVEMENT SCHEDULE
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C1A	PROP. APPROX. 1.25° ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 137.5 LBS. PER S0. YD.
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С3	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SO. YD.
Т	SHOULDER RECONSTRUCTION
U	EXISTING PAVEMENT
V 1	INCIDENTAL MILLING
٧2	MILLING 1.5' DEPTH
٧3	PROFILE MILLING Ø" TO 1.5"

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.			
WBS NO	2025CPT.10		

#### WASHAM POTTS ROAD



# RIVERSIDE DRIVE

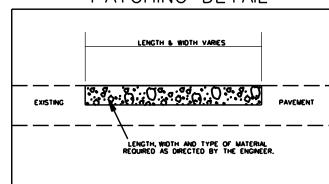


TYPICAL SECTION NO. 16

2025 MECKLENBURG COUNTY
RESURFACING CONTRACT 2

SCALE WADATE
DWG. BY JHE
DESIGN BY

#### PATCHING DETAIL



STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
N.C.			
WBS NO	2025CPT.10	).08.10601 ).08.20601	

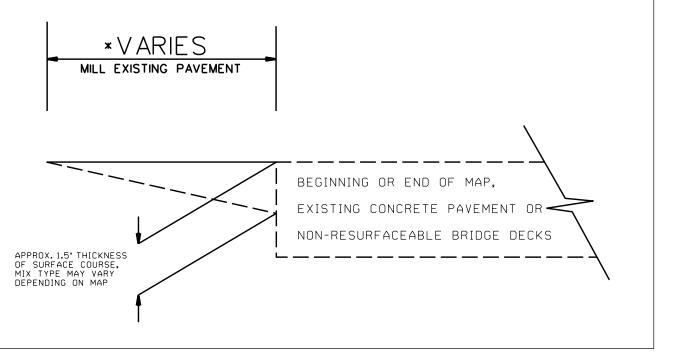
# INCIDENTAL MILLING

#### NOTES:

FOR SURFACE MIXES OVER 1" IN THICKNESS, MILL THE EXISTING PAVEMENT IN ACCORDANCE WITH THE FOLLOWING SKETCH AS DIRECTED BY THE ENGINEER.

LOCATIONS SHALL INCLUDE TIES INTO EXISTING CONCRETE PAVEMENT AT BRIDGE APPROACHES WHERE THE BRIDGE WILL NOT BE RESURFACED, AND AT THE BEGINNING AND ENDING POINT OF EACH RESURFACING MAP.

PERFORM THE WORK IN ACCORDANCE WITH SECTION 607 OF THE JANUARY 2018 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES. RESURFACING WILL BE ACCOMPLISHED AT THE SAME TIME AS THE MILLING OPERATION.



2025 MECKLENBURG COUNTY RESURFACING CONTRACT 2

SCALE

DATE

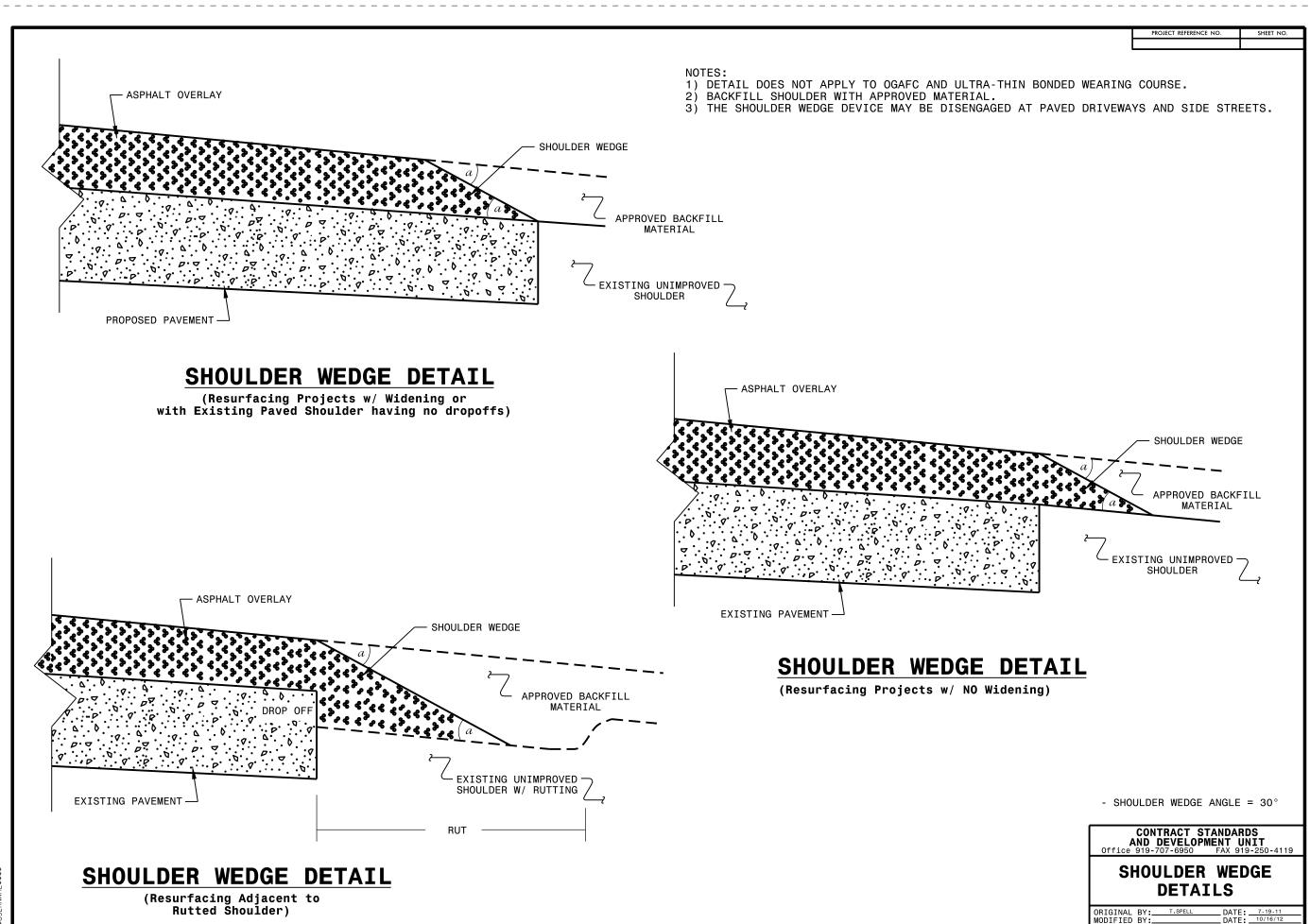
DWG. BY JHE

DESIGN BY

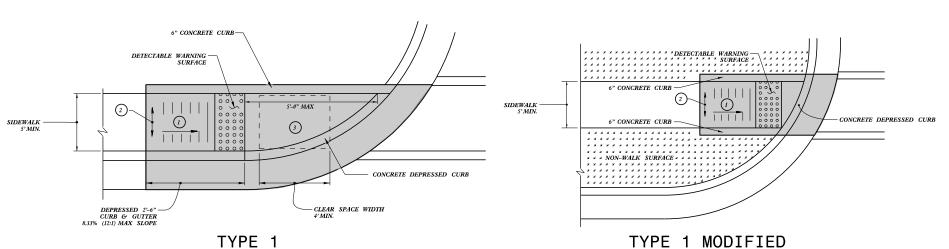
APPROVED



REVISIONS							



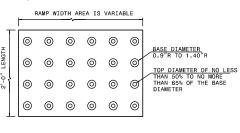
SHEET 6 OF 13 848.06

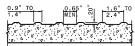


- 1) 8.33% (12:1) MAX RAMP SLOPE
- CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE

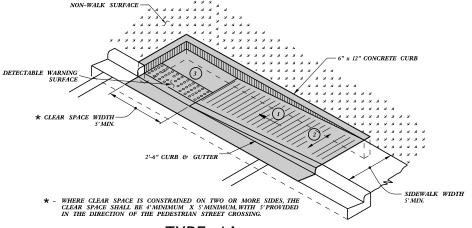
NOTES: DETCTABLE WARNING SURFACE SHALL COVER  $2^\prime$ -0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



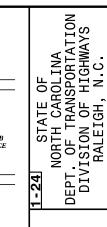


DETECTABLE WARNING SURFACE



TYPE 1A

PAY LIMITS FOR 1 CURB RAMP



FOR

STANDARD DRAWING CURB ROADWAY

DIRECTIONAL RAMP

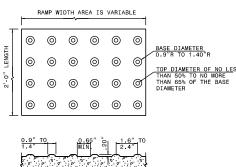
SHEET 7 OF 13 848.06

NON-WALK SURFACE DETECTABLE WARNING 6" CONCRETE CURB SURFACE 6" CONCRETE CURB 2 DETECTABLE WARNING SIDEWALK DEPRESSED CONCRETE CURB FLUSH WITH ROAD SURFACE ★ CLEAR SPACE WIDTH 5'MIN. -LEADING EDGE OF DWS BEHIND CURB GRADE BREAK CLEAR SPACE WIDTH 2'-6" CURB & GUTTER 4' MIN. WHERE CLEAR SPACE IS CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE STALL BE 4-MINIMUM X S'MINIMUM, WITH 5-PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING. SIDEWALK WIDTH TYPE 1B TYPE 1C

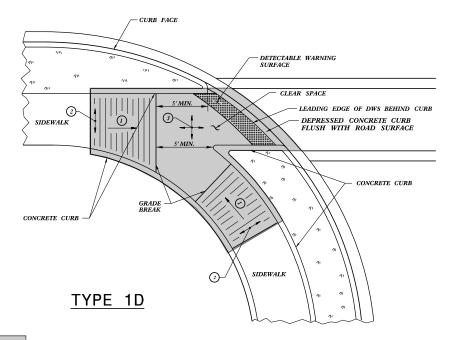
- 1 8.33% (12:1) MAX RAMP SLOPE
- (2) CROSS SLOPE: 2.00%
- MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%.

NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

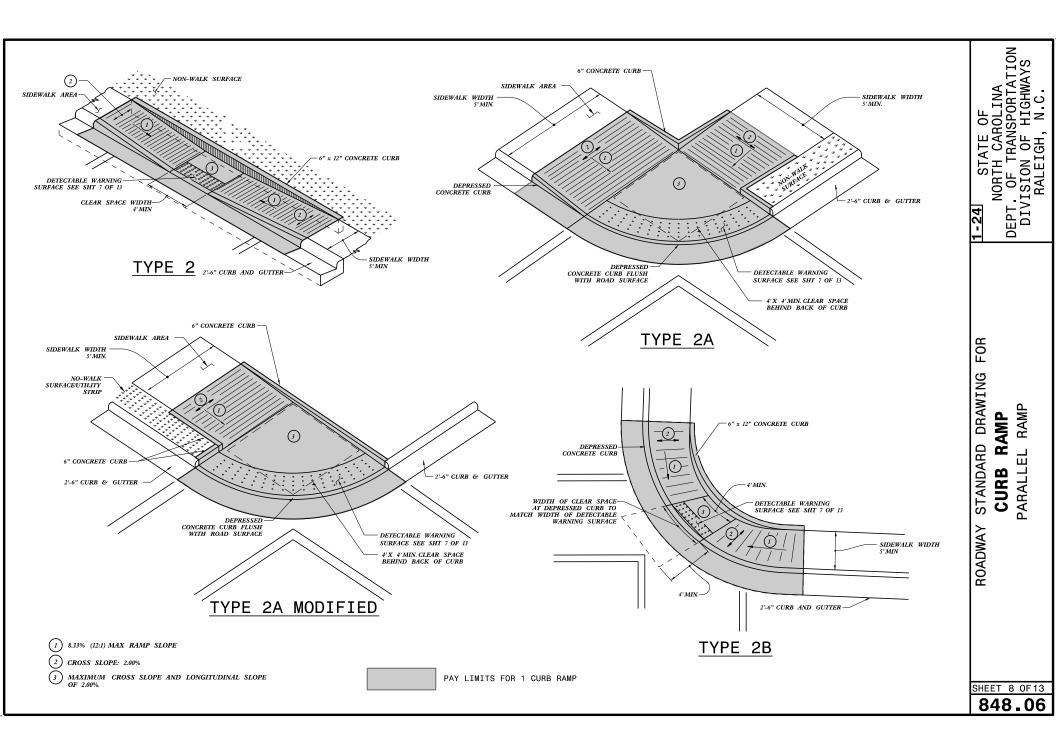
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



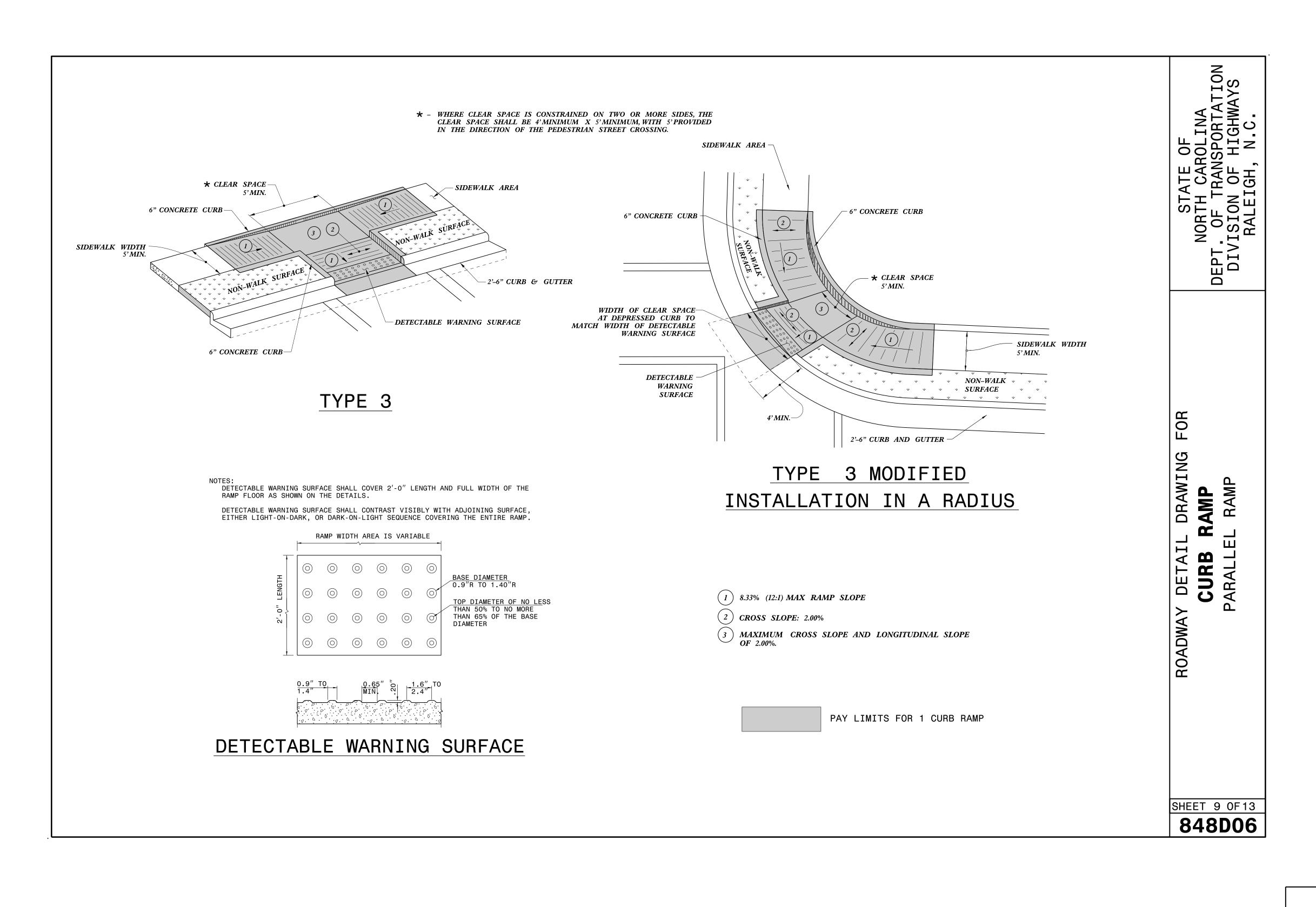
DETECTABLE WARNING SURFACE



PAY LIMITS FOR 1 CURB RAMP



PROJECT REFERENCE NO. SHEET NO.





DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

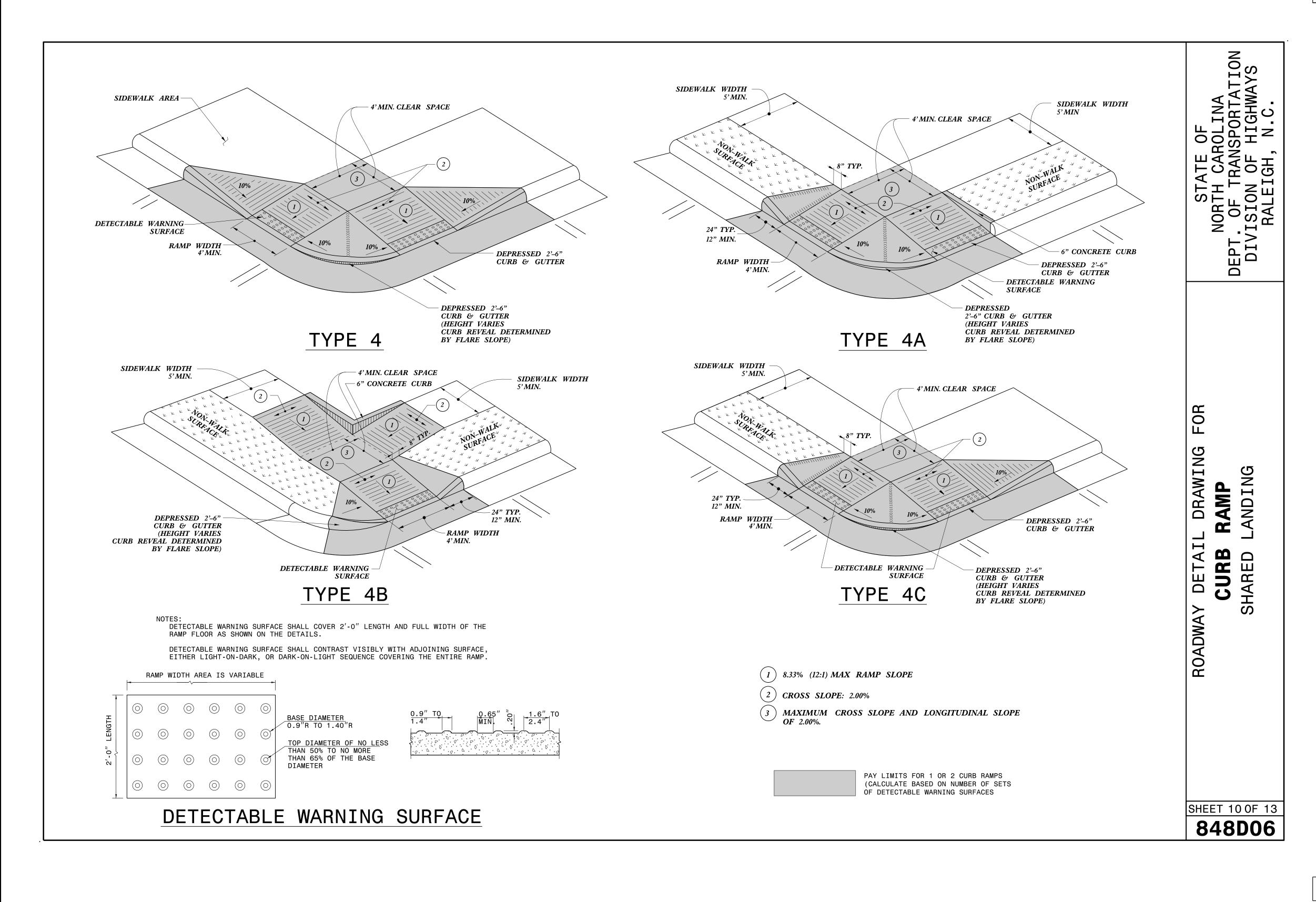
CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 12-22-2023

MODIFIED BY: DATE: CHECKED BY: DATE: FILE SPEC.: special\_details\nmhackler\D0609.dgn

PROJECT REFERENCE NO. SHEET NO.



DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED** 

CONTRACTS STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN \_ DATE: <u>12-22-2023</u> MODIFIED BY:\_ \_DATE:\_

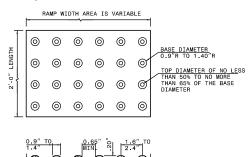
ROADWAY

SHEET 11 OF 13 848.06

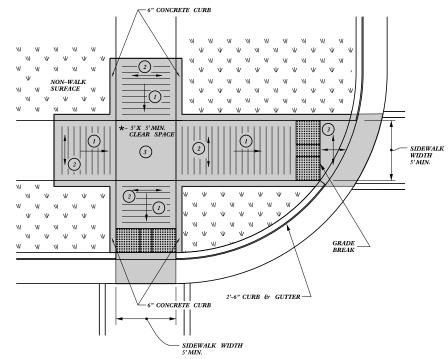
SIDEWALK WIDTH 5'MIN. 4' MIN. CLEAR SPACE SIDEWALK 5'MIN. - 6" CONCRETE CURB 6" CONCRETE CURB - 24" TYP. 12" MIN. DEPRESSED 2'-6" CURB & GUTTER DETECTABLE WARNING SURFACE DEPRESSED 2'-6"
CURB & GUTTER
(HEIGHT VARIES
CURB REVEAL DETERMINED
BY FLARE SLOPE) TYPE 5

DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE



WHERE CLEAR SPACE IS CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4\*MINIMUM X 5\*MINIMUM, WITH 5\*PROVIDED IN THE DIRECTION OF THE PEDESTRAIN STREET CROSSING.

#### TYPE 5A

- (1) 8.33% (12:1) MAX RAMP SLOPE
- 2) CROSS SLOPE: 2.00%
- MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%.

PAY LIMITS FOR 1 OR 2 CURB RAMPS (CALCULATE BASED ON NUMBER OF SETS OF DETECTABLE WARNING SURFACES)



SHEET 12 0F 13 848.06

DETECTABLE WARNING SURFACE EXPANSION JOINT IONOLITHIC CONCRET MONOLITHIC CONCRETE ISLAND (SEE STANDARD 852.01) DETECTABLE WARNING SURFACE TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER. MIN. DIAMETER CLEAR SPACE EXPANSION JOINT -(BOTH SIDES) TRIANGULAR ISLAND MEDIAN ISLAND WITH CUT THROUGH WITH CUT THROUGH TYPE 6 TYPE 7 PAY LIMITS FOR 2 OR 3 CURB RAMPS (CALCULATE BASED ON NUMBER OF SETS OF DETECTABLE WARNING SURFACES)

> NOTES: DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS. DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

> > RAMP WIDTH AREA IS VARIABLE

0 0 Ø

DETECTABLE WARNING SURFACE

TOP DIAMETER OF NO LESS
THAN 50% TO NO MORE
THAN 65% OF THE BASE
DIAMETER

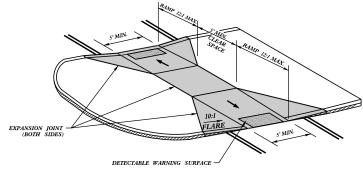
0 0 0

0 0 0 0 0

0

0

0 0 0 0 0 0



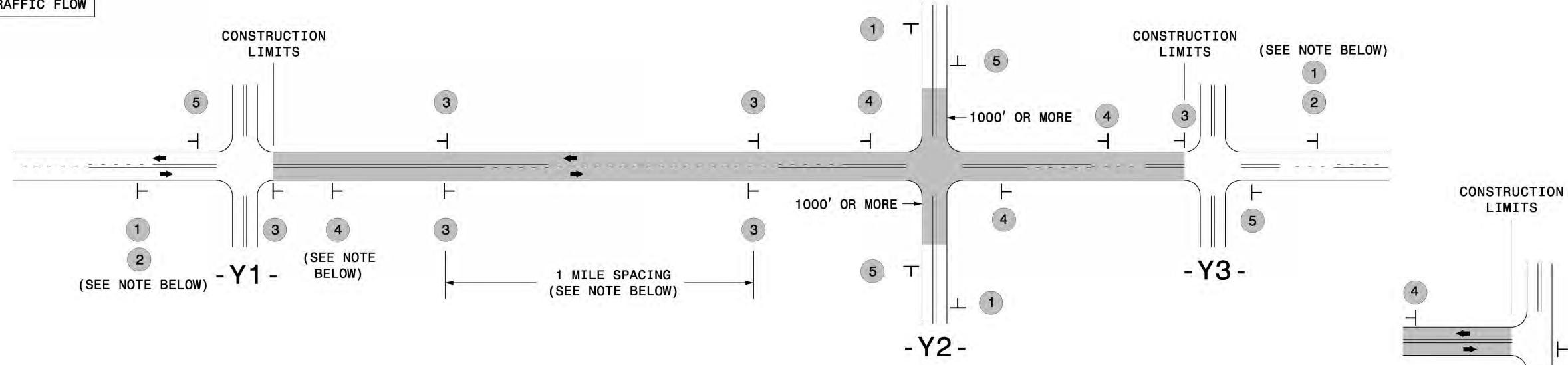
MEDIAN ISLAND CURB RAMPS

TYPE 8

PROJ. REFERENCE NO.

# SIGNING FOR RESURFACING PROJECTS





# TEE INTERSECTION

LIMITS

# MAINLINE (-L-) SIGNING

# -Y- LINE SIGNING

# ION ZU Ш X $\alpha$ SH ШО NO ER Ω IGNING SO



PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.

ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)

LOW/SOFT (3) SHOULDER / 48" X 48"

ROAD

UNDER

- 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.
- 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.

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.

# 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

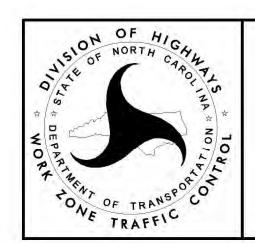
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.



PLACED 500' IN ADVANCE OF FLAGGER.



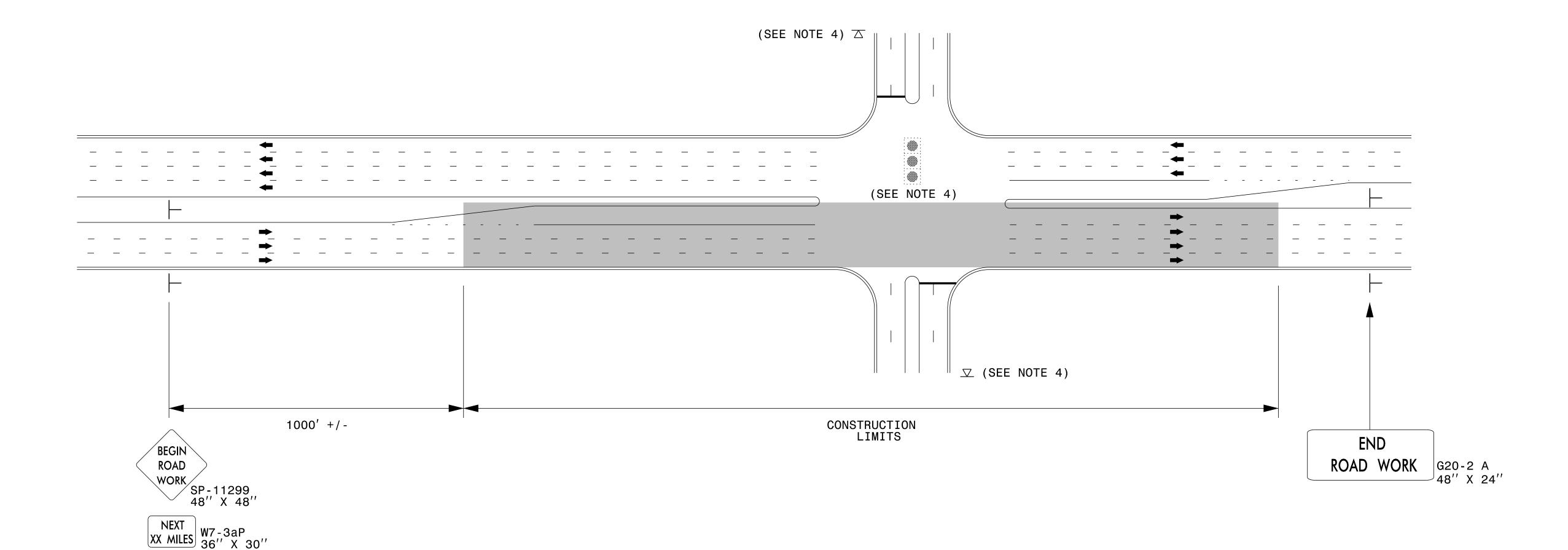
PLACED 250' IN ADVANCE OF FLAGGER.



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

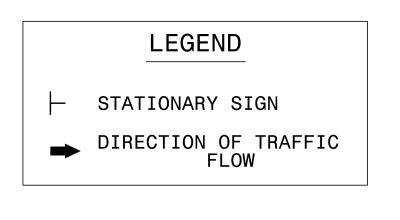
PROJ. REFERENCE NO. SHEET NO.

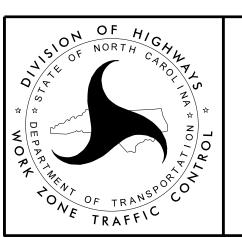
# URBAN / SUBURBAN WORKZONES



## NOTES:

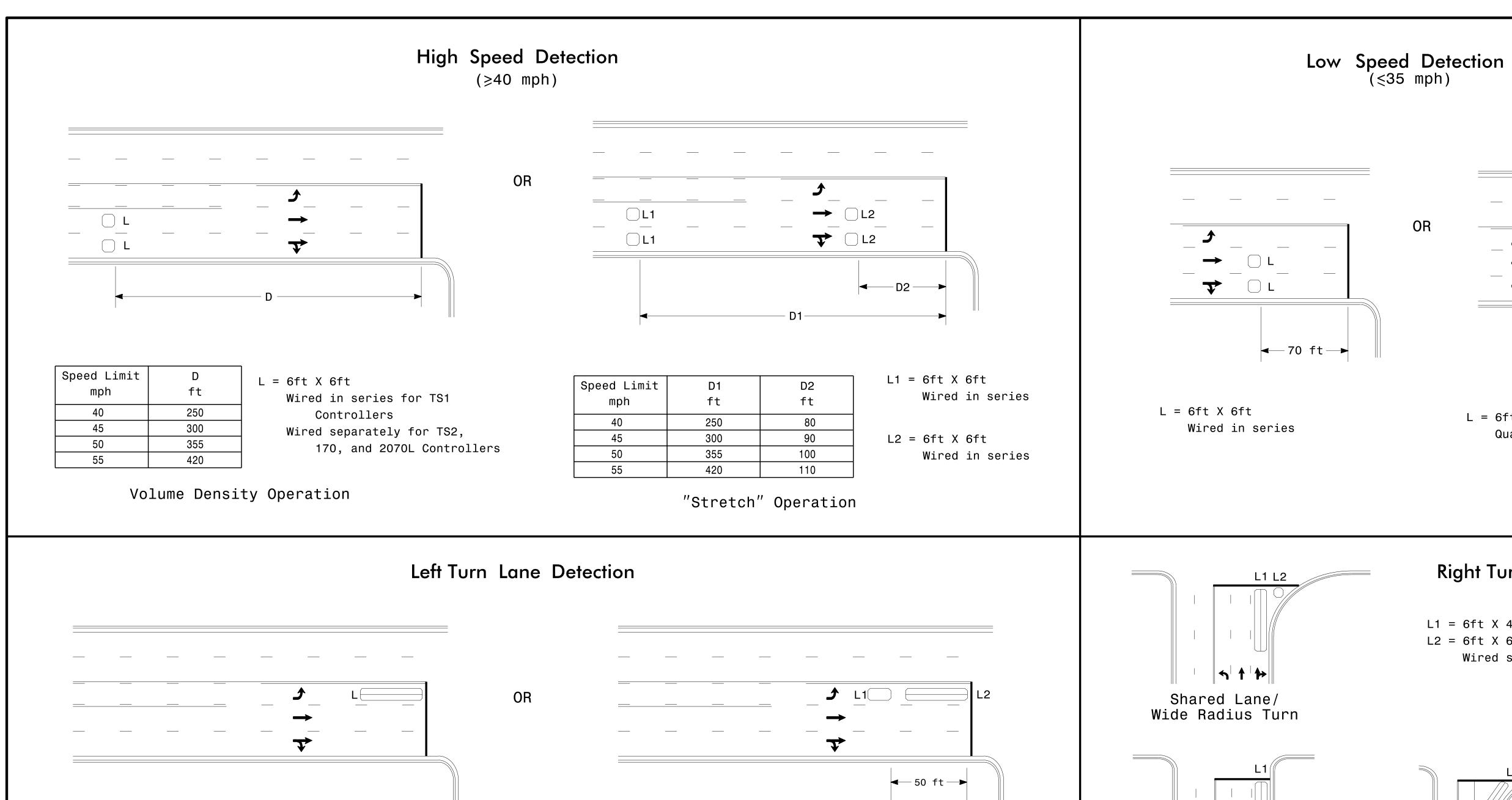
- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. 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.

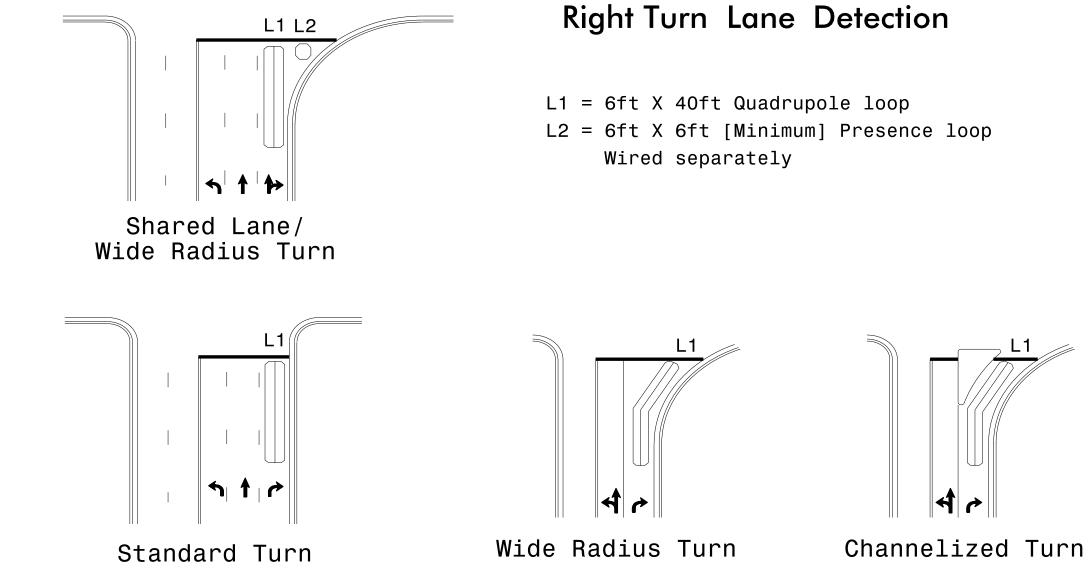




RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES

STINGAL ELL VDOWINGAGSTREAUT ACHIGLAUTMAITEULSA (ZZ.AGI) Jarrett

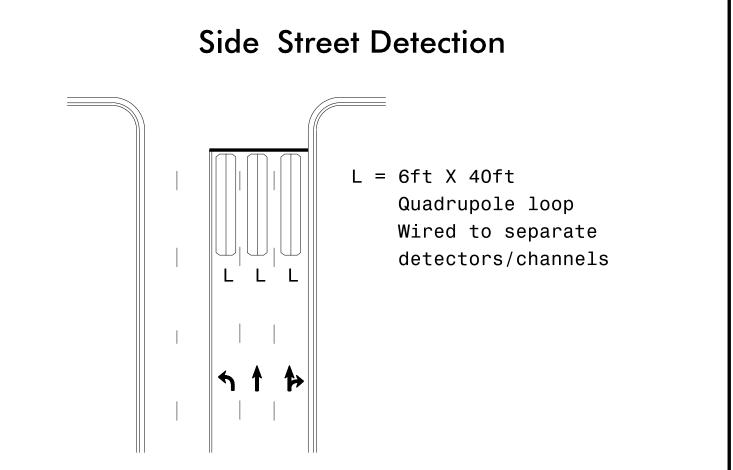




OR

L = 6ft X 40ft

Quadrupole loop, wired separately



L = 6ft X 40ft Quadrupole loop

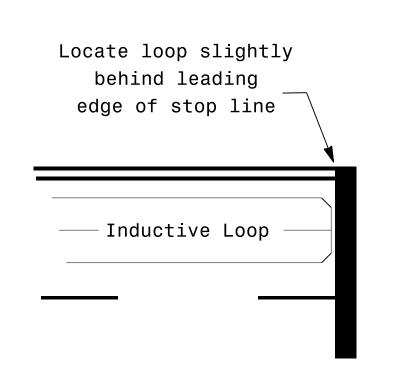
Presence Loop Detection



L1 = 6ft X 15ft Queue detector

L2 = 6ft X 40ft Quadrupole loop

Queue Loop Detection



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

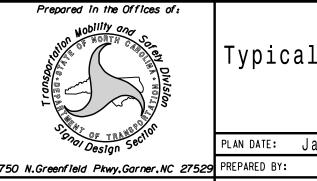
# Recommended Number of Turns

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

1011 W±1 00 00	Jaracory, i
Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Quadrupole loops: Use 2-4-2 turns

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



SCALE

N/A

Typical Signal Loop Locations

PLAN DATE: January 2015 REVIEWED BY: REVIEWED BY: PLA REVISIONS INIT. DATE

PL Alexander

PROJECT REFERENCE NO.

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.10.08.10601	COO 1	
2025CPT.10.08.20601	SOQ 1	

#### SUMMARY OF QUANTITIES

1															<del>• / · · · · ·</del>													
													1297000000-E						1575000000-E	1	1			2612300000-N		1		
PROJECT NO	COUNTY	MAP	ROUTE	DESCRIPTION	TYP NO	LANE LAN	LENGTH			INCIDENTAL	SHOULDER	AGGREGATE	11/2" MILLING	0" TO 1.5"	INCIDENTAL	SURFACE	SURFACE	SURFACE	ASPHALT	POLYMER	PATCHING	CONCRETE	6" DRIVEWAYS	RETROFIT	ADJ. OF	ADJ. OF METER	PORTABLE	INDUCTIVE
		NO				S E		N	MP MP	STONE BASE	RECONSTRUC	SHOULDER		MILLING	MILLING	COURSE, S9.5B	COURSE, S9.50	C COURSE, S9.50	BINDER FOR	MODIFIED	EXISTING	CURB RAMPS		EXISTING	MANHOLES	OR VALVE BOX	LIGHTING	LOOP SAWCUT
						TYPE	i				TION	BORROW							PLANT MIX	ASPHALT	PAVEMENT			CONCRETE				
																				BINDER FOR				CURB RAMPS				
																				PLANT MIX								
							MI	FT		TONS	SMI	TON	SY	SY	SY	TONS	TONS	TON	TONS	TONS	TONS	EA	SY	EA	EA	EA	LS	LF
				FROM CORNELIUS STREET TO																								1
2025CPT.10.08.10601	Mecklenburg	1	NC-115 S. MAIN ST. (30000115)	IREDELL COUNTY LINE	1,2,3	2 2WL	1.74	26 13	3.28 15.02				28,812		1,030			2,758		160		2		2	7	9	0.17	1,413
	TOTALF	FOR MAP	NO. 1				1.74						28,812		1,030			2,758		160		2		2	7	9	0.17	1,413
		N	NC-115 NB OLD STATESVILLE ROAD	FROM INDEPENDENCE HILL DRIVE																								
2025CPT.10.08.10601	Mecklenburg	2	(30000115)	TO HAMBRIGHT ROAD	4,5,6,7	2 2WD	1.52	28 3.	.57 5.09		1.24	239	24,212		7,333			2,915	14	169	300				2	1	0.17	1,727
	TOTAL F	FOR MAP	NO. 2				1.52				1.24	239	24,212		7,333			2,915	14	169	300				2	1	0.17	1,727
		N	NC-115 NB OLD STATESVILLE ROAD	FROM HAMBRIGHT ROAD TO																								
2025CPT.10.08.10601	Mecklenburg	3	(30000115)	PAVEMENT JOINT AT DAMSON DRIVE	8	2 2WD	0.54	27 5.	.09 5.63		0.24	47	10.067		405			968	7	56	150					3	0.17	
		FOR MAP	NO.3				0.54				0.24	47	10.067		405			968	7	56	150					3	0.17	
		١	NC-115 SB OLD STATESVILLE ROAD	FROM SOLSTICE WAY TO VANCE																							-	
2025CPT.10.08.10601	Mecklenburg	4	(30400115)	DAVIS DRIVE	9,10,11	2 MD	1.43	40 9.	.63 11.06		0.21	41	22,156		3.932			2.411	14	140	300				1	2	0.17	1,909
	-	FOR MAP	NO. 4				1.43				0.21	41	22,156		3.932			2,411	14	140	300				1	2	0.17	1,909
TO	TAL FOR PROJ N	10. 20250	PT.10.08.10601				5.23				1.69	327	85,247		12,700			9.052	35	525	750	2		2	10	15	0.68	5.049
															,													
			SR-2442 / ASBURY CHAPEL RD	FROM HUSS MCGINNIS ROAD TO																								
2025CPT.10.08.20601	Mecklenburg	5	(40002442)	EASTFIELD ROAD	12	2 2WF	1.91	20 2	.41 4.32		3.82	368	27.547		259		2,570		204		1,100						0.16	365
		FOR MAP	NO. 5				1.91				3.82	368	27.547		259		2,570		204		1,100						0.16	365
	1		SR-2600 / WASHAM POTTS RD	FROM NC 115 S. MAIN STREET TO													_,				-,							
2025CPT.10.08.20601	Mecklenburg	6	(40002600)	END OF MAINTENANCE	13,14,15	2 2WL	1.42	18	0 1.42	75	2.84	546		2,208	503	1.831			141		450	3	480	5	6	16	0.16	340
		FOR MAP	( ,		,,		1.42			75	2.84	546		2,208	503	1.831			141		450	3	480	5	6	16	0.16	340
	1 1		SR-1884 / RIVERSIDE DRIVE	FROM HARWOOD LANE TO END OF							2.01	0.0		2,200		2,002					00		00	·			0.20	5.0
2025CPT.10.08.20601	Mecklenhurg	7	(40001884)	MAINTENANCE	16	2 2WL	0.61	20	0 0.61	30	1,22	118			503	549			60		500		20					
2020010.00.20001		FOR MAP	1 1				0.61		3.01	30	1.22	118			503	549		+	60	1	500		20					1
TO	TAL FOR PROJ N						3.94			105	7.88	1.032	27.547	2.208	1.265	2,380	2.570	+	405	1	2.050	3	500	5	6	16	0.32	705
<u> </u>				<del> </del>	1		0.04			100	7.00	1,002	27,047	2,200	1,200	2,000	2,070	+	400	1	2,000				•	10	0.02	,,,,
<u> </u>	CDV	AND TOTA	N.	<del> </del>	1		9.17			105	9.57	1.359	112.794	2,208	13.965	2.380	2.570	9.052	440	525	2.800		500	7	16	21	1.0	5,754
	UNA	אוטו טוא	NL .	I .	II		3.17			100	9.57	1,335	112,/34	2,200	10,300	2,300	2,370	3,032	440	J25	2,000		300		10	31	1.0	3,734

PROJECT NO.	SHEET NO.	TOTAL NO.
2025CPT.10.08.10601	2002	
2025CPT.10.08.20601	SOQ 2	l

#### THERMOPLASTIC AND PAINT QUANTITIES

							44130000	00-E 444700000	0-E 4457000000	-N 4510000000-N	4600000	0000-N	46850000	00-E	4688000000-E	46950000	00-E 4:	709000000-E	4720000000-E		4725000000-E	472611	0000-E	4770000000-E	4810	000000-E 481500	0000-E 48200	00000-E 483500	0000-E 484000	0000-N		4845000000-N		4890000000-E	4900000	0000-N	4905100000-N
PROJECT NO CO	OUNTY MAP NO	ROUTE	DESCRIPTION			TH BEGIN MP	END MP WORK ZO			Y LAW			THERMOPLASTIC	THERMOPLASTIC	THERMOPLASTIC	THERMOPLASTIC TI	HERMOPLASTIC TH	IERMOPLASTIC TH	EKMO INEKMO	HEKMO IN	TERMO THERMO THER	IO INEKNO NEKIED-I		APPLIED COLD /				8" 24" W	HITE PAIN		T PAINT RT	PAINT PAIN	PAINT PAIN		PERMANENT RAISED		NON-CAST IRON
				TYPE	E		ADVANCE/GE	NERAL CHANNELE	ING TRAFFIC	ENFORCEMENT	WARNING C	CURB RAMPS	PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT	PAVEMENT N	4SG MSG	LT	RT STR STR &	RT MERGE THERMOI	PLASTIC PL	ASTIC PLA	STIC PAINT	YELLOW PAI	NT PAINT	YELLOW PAI	NT SCH	OOL ARROW	V ARROW	STR STR &	T STR & RT MERC	E APPLIED PLASTIC	PAVEMENT MARKERS	RAISED PAVEMENT	SNOWPLOWABLE
							WARNING SI	GNING DEVICE	CONTROL		DEVICES		MARKING LINES	MARKING LINES	MARKINGLINES	MARKING LINES N	MARKINGLINES MA	ARKING LINES SC	HOOL ONLY 90	ARROW AR	RROW ARROW ARRO	W ARROW BICYCLE	SYMBOL PAV	EMENT PAVE	MENT	PAINT		PAINT			1 1	ARROW ARROY	ARROW ARRO	V PAVEMENT	( CRYSTAL/RED)	MARKERS	PAVEMENT
												w	/HITE (4", 90 MILS)	YELLOW (4", 90	WHITE TYPE II (6",	WHITE (8", 90 Y	ELLOW LINES II W	/HITE (24", 90 9	M M 06	90 M 9	90 M 90 M 90 M	(90 MILS) WITH ARE	ROW (90 MARKI	NG LINES, MARKIN	G LINES,						1 1			MARKING LINES,		(YELLOW/YELLOW	) MARKER
														MILS)	90 MILS)	MILS)	(8", 90 MILS)	MILS)				MIL	.s) WHITI	E,TYPE II YELLOV	/ TYPE II						1			TYPE II (6")			
															-									4") (4	")						1						
					MI FT	r	SF	LF	LS	HR	EA	EA	LF	LF	LF	LF	LF	LF	EA EA	EA	EA EA EA	EA E/	A	LF L	F LF	LF L	F LF	LF LI	E	A EA	EA	EA EA	EA EA	LF	EA	EA	EA
			FROM CORNELIUS STREET TO																												1 7						
2025CPT.10.08.10601 Meci	klenburg 1 NC-11	15 S. MAIN ST. (30000115)	IREDELL COUNTY LINE	1,2,3 2 2WU	J 1.74 26	3 13.28	15.02 200	22	0.14	160	4	4	8,669	17,752		2,110		110		2	1 4 4	40	0		8,669	17,752	2,110	11	0	2	1	4 1	4				125
	TOTAL FOR MAP NO. 1				1.74		200	22	0.14	160	4	4	8,669	17,752		2,110		110		2	1 4 4	40	0		8,669	17,752	2,110	11	0	2	1	4 1	4				125
	NC-115	5 NB OLD STATESVILLE ROAD	FROM INDEPENDENCE HILL DRIVE TO								7																				T - T						
2025CPT.10.08.10601 Meci	klenburg 2	(30000115)	HAMBRIGHT ROAD	4,5,6,7 2 2WD	D 1.52 28	3.57	5.09 126		0.15	260			10,523	9,866	2,265	835	333	530	6	10	8 27 6	9		475 4	75 10,523	9,866 2,2	65	333 63	0 1	2 10	8	27	6	120	6		282
	TOTAL FOR MAP NO. 2				1.52		126		0.15	260			10,523	9,866	2,265	835	333	530	6	10	8 27 6	9	,	475 4	75 10,523	9,866 2,2	65	333 63	0 1	2 10	8	27	6	120	6		282
	NC-115	NB OLD STATESVILLE ROAD	FROM HAMBRIGHT ROAD TO																																		
2025CPT.10.08.10601 Meci		(30000115)	PAVEMENT JOINT AT DAMSON DRIVE	8 2 2WD	D 0.54 27	7 5.09	5.63 126		0.15				950 950	4,888	786	326	277		8	4	4 2	2	!				6 326	277		4	4	2					77
	TOTAL FOR MAP NO. 3				0.54		126		0.15				950	4,888	786	326	277		8	4	4 2	2	!		950	4,888 78	6 326	277		4	4	2					77
			FROM SOLSTICE WAY TO VANCE																																		
2025CPT.10.08.10601 Mec		(30400115)	DAVIS DRIVE	9,10,11 2 MD	1.43 40	9.63	11.06 126		0.14	180			4,648	5,020	5,952	940	70	160	6	14	3 32 6	2		490 49	90 4,648	-1020 -10	52 940	70 21		14	3	32	6 2	110	6		135
	TOTAL FOR MAP NO. 4				1.43		126		0.14	180			4,648	5,020	5,952	940	70	160	6	14	3 32 6	2		490 4	90 4,648	5,020 5,9	52 940	70 21		14	3	32	6 2	110	6		135
TOTAL FO	OR PROJ NO. 2025CPT.10.08.	3 10601			5.23		578	22	0.58	600	4	4	24,790	37,526	9,003	4,211	680	800	12 8	30	16 65 16	2 51	1 :	965 9	35 24,790	,	-,	680 95	0 1	8 30	16	65 1	16 2	230	12		619
TOTALTO	511 1 1103 110. 202001 1.20.00.												62,31	6		4,891			20		129			1,930	6	2,316	4	056				130			12	2	
		442 / ASBURY CHAPEL RD																																			
2025CPT.10.08.20601 Meci		(40002442)	EASTFIELD ROAD	12 2 2WD	D 1.91 20	2.41	4.32 214		0.14	60			20,566	25,384		280				6	2															225	
	TOTAL FOR MAP NO. 5				1.91		214		0.14	60			20,566	25,384		280				6	2															225	
			FROM NC 115 S. MAIN STREET TO END																												1 1						
2025CPT.10.08.20601 Meci		(40002600)	OF MAINTENANCE	13,14,15 2 2WU		3 0	1.42 160		0.14	60	4	_	14,113	15,424	280	65	75	24		2	2															135	
	TOTAL FOR MAP NO. 6				1.42		160		0.14	60			14,113	15,424	280	65	75	24		2	2															135	
		-1884 / RIVERSIDE DRIVE	FROM HARWOOD LANE TO END OF																																		
2025CPT.10.08.20601 Meci		(40001884)	MAINTENANCE	16 2 2WU	J 0.61 20	0	0.61 70		0.14		4	_																									
	TOTAL FOR MAP NO. 7				0.61		70		0.14																												
TOTAL FO	OR PROJ NO. 2025CPT.10.08.	3.20601			3.94		444		0.42	120			34,679	40,808	280	345	75	24		8	2 2															360	
													75,48	7		420					12														36	30	
			1				-					1						-														-			1		
	GRAND TOTAL			1 1 1	9.17	1 1	1,022	22	1.0	720	4	4	59,469	78,334	9,283	4,556	755	824	12   8	38	18 65 18	2 51	1 !	965 9	55 24,790	37,526 9,0	03 3,376	680 95	0   1	B 30	16	65 1	16 2	230	12	360	619