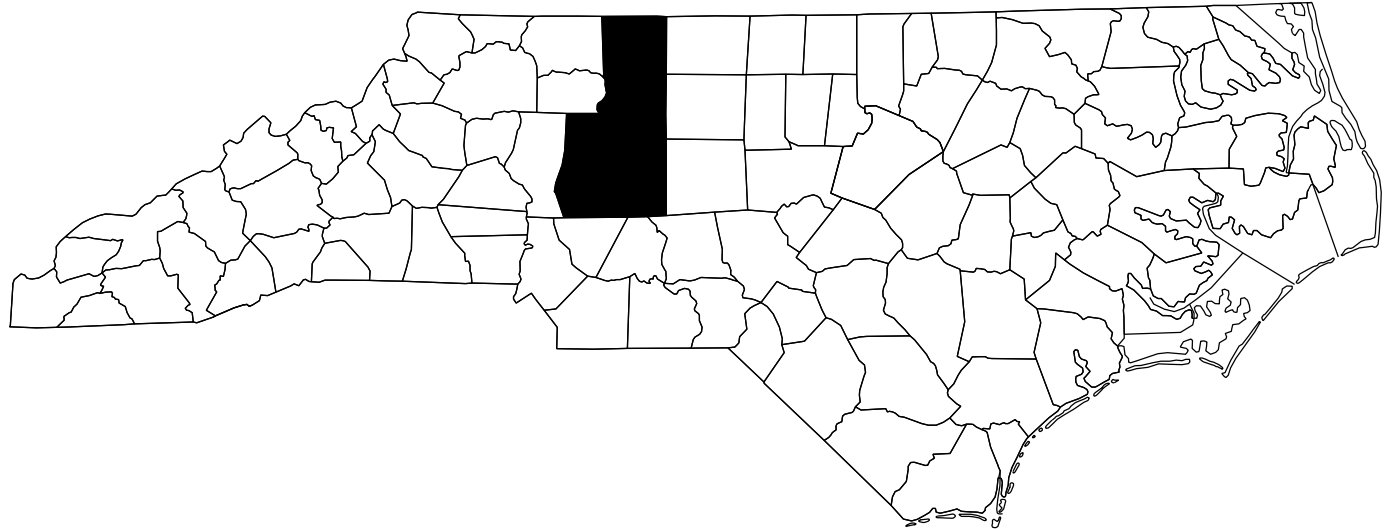


CONTRACT: TIP PROJECT: BN-0031IA

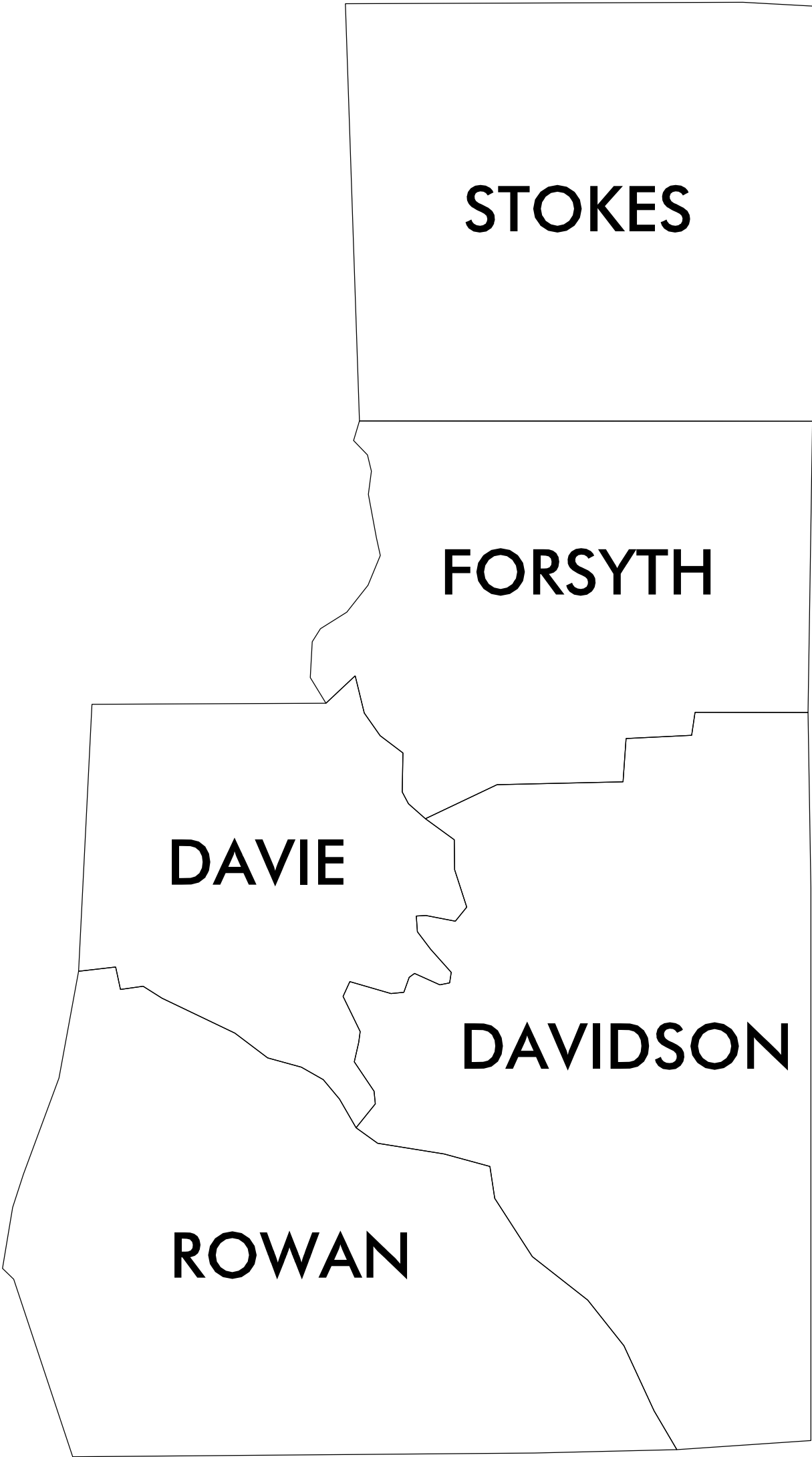


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

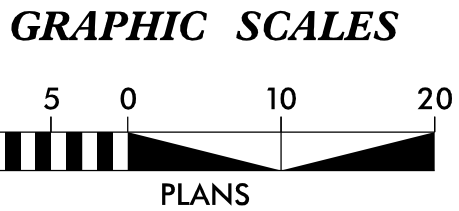
DAVIDSON, DAVIE, ROWAN, &
STOKES COUNTIES

LOCATION: VARIOUS LOCATIONS IN DIVISION 9. PEDESTRIAN SAFETY IMPROVEMENTS

TYPE OF WORK: CURB RAMP INSTALLATIONS & SIGNALS



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BN-0031IA	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
52073.09.6	TAPE009	(50K TO 200K) PE	
52073.09.7	TAPE009	(5K TO 50K) PE	
52073.09.8	TAPE009	(BELOW 5K) PE	
52073.09.301	TA09301	(BELOW 5K) CONST.	
52073.09.302	TA09301	(5K TO 50K) CONST.	
52073.09.303	TA09301	(50K TO 200K) CONST.	



NCDOT CONTACT: MATT W. JONES, PE
DIVISION PROJECT DEVELOPMENT ENGINEER
PH: 336-747-7800



DRMP, INC.
5808 FARINGDON PLACE
RALEIGH, NC 27609
NC LICENSE NO. F-1524 (919) 872-5115

2024 STANDARD SPECIFICATIONS

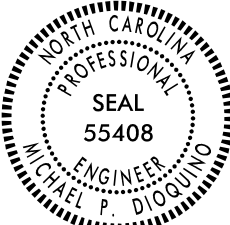
LETTING DATE:
OCTOBER 14, 2026

MICHEAL P. DIOQUINO, PE
PROJECT ENGINEER

SYDNEY HOLLIDAY, PE
RYAN J. NESBITT, EI
PROJECT DESIGN ENGINEERS

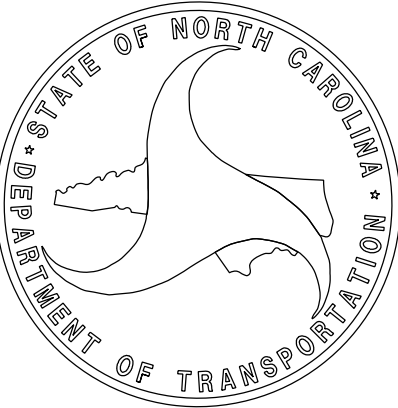
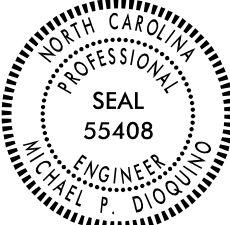
HYDRAULICS ENGINEER
9/16/2026

Signed by:
Michael Dioquino
SIGNATURE:

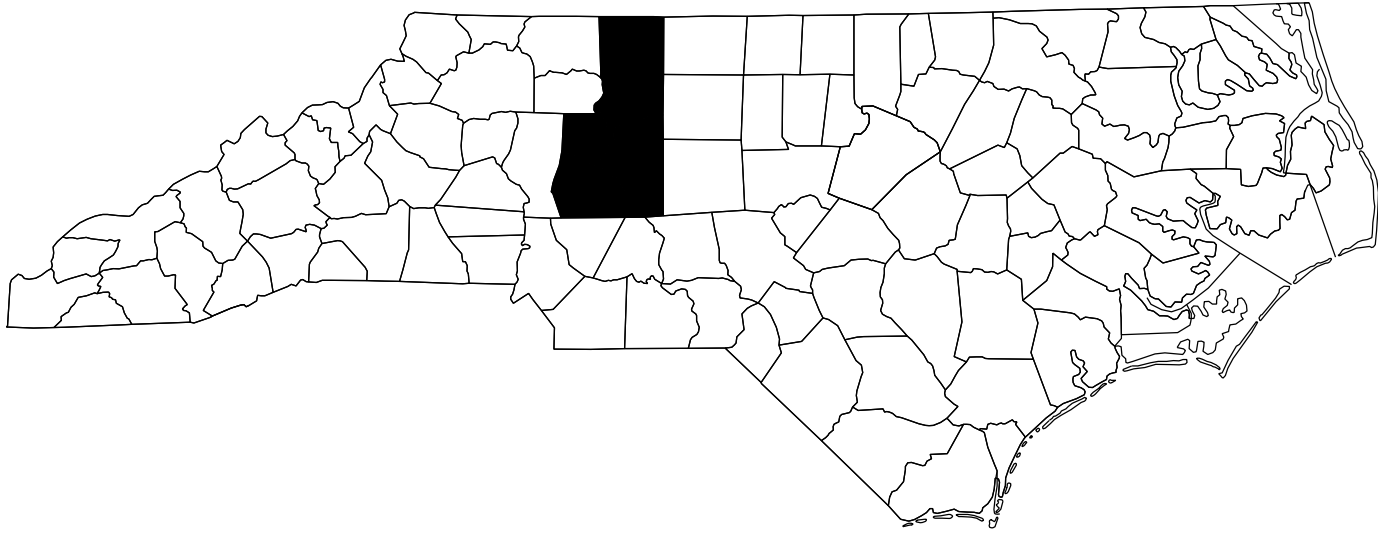


ROADWAY DESIGN ENGINEER
9/16/2026

Signed by:
Michael Dioquino
SIGNATURE:



CONTRACT: TIP PROJECT: BN-0031IA

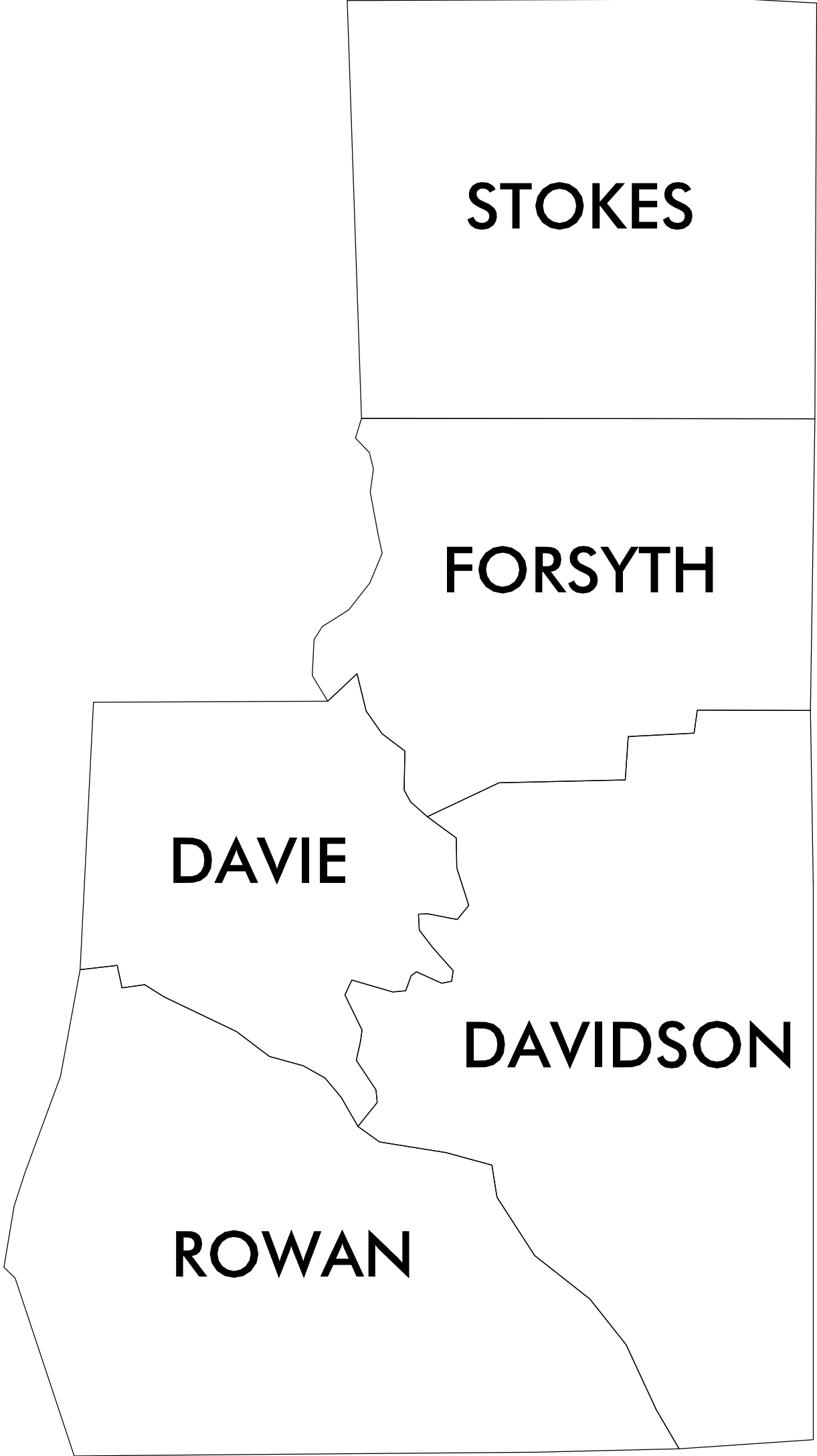


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

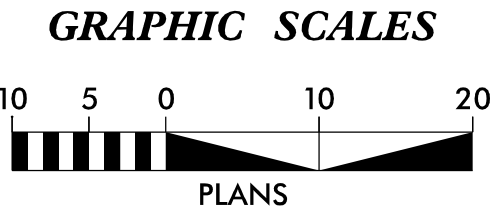
DIVISIONWIDE

LOCATION: VARIOUS LOCATIONS IN DIVISION 9 WITH POPULATIONS LESS THAN 5,000. PEDESTRIAN SAFETY IMPROVEMENTS

TYPE OF WORK: CURB RAMP INSTALLATIONS & SIGNALS



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BN-0031IA	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
52073.09.8	TAPE009	PE	
52073.09.301	TA09301	CONST.	



NCDOT CONTACT: MATT W. JONES, PE
DIVISION PROJECT DEVELOPMENT ENGINEER
PH: 336-747-7800



DRMP, INC.
5808 FARINGDON PLACE
RALEIGH, NC 27609
NC LICENSE NO. P-1524 (919) 872-5115

2024 STANDARD SPECIFICATIONS

LETTING DATE:
OCTOBER 14, 2026

MICHEAL P. DIOQUINO, PE
PROJECT ENGINEER

SYDNEY HOLLIDAY, PE
RYAN J. NESBITT, EI
PROJECT DESIGN ENGINEERS

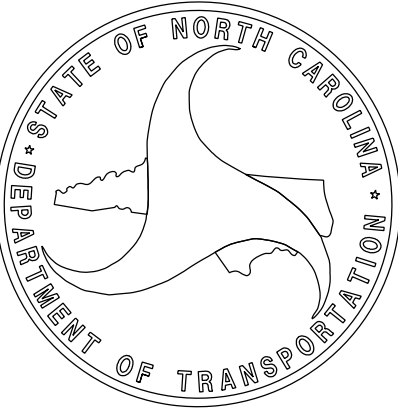
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9/16/2026

Signed by: Michael Dioquino
SIGNATURE:



ROADWAY DESIGN ENGINEER
9/16/2026

Signed by: Michael Dioquino
SIGNATURE:



PROJECT REFERENCE NO.	SHEET NO.
BN-00311A	1A

INDEX OF SHEETS, GENERAL NOTES AND 2024 ROADWAY ENGLISH STANDARD DRAWINGS

INDEX OF SHEETS

1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
2B-1	SIDEWALK DETAILS
<u>THOMASVILLE</u> SUMMARY 1 1	SUMMARY OF QUANTITIES THOMASVILLE INSETS
<u>COOLEEMEE</u> SUMMARY 2 2	SUMMARY OF QUANTITIES COOLEEMEE INSETS
<u>SALISBURY</u> SUMMARY 3 3	SUMMARY OF QUANTITIES SALISBURY INSETS
<u>CLEVELAND</u> SUMMARY 4 4	SUMMARY OF QUANTITIES CLEVELAND INSETS
<u>WALNUT COVE</u> SUMMARY 5 5.1 5.2	SUMMARY OF QUANTITIES WALNUT COVE INSETS WALNUT COVE PLAN SHEET
<u>DENTON</u> SUMMARY 6 6.1 – 6.3 6.4 – 6.12	SUMMARY OF QUANTITIES DENTON INSETS DENTON PLAN SHEETS
SIG 1.0 THRU SIG 3.0 SIGNAL MODIFICATION PLANS	

GENERAL NOTES

GRADING:	THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED OR FUTURE SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.
CLEARING:	CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.
STREET TURNOUT:	STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII NOTED ON PLANS.
UTILITIES	CONTRACTOR TO ADJUST ALL UTILITY BOXES ALONG CORRIDOR AND COORDINATE WITH UTILITY OWNERS FOR ADJUSTMENT TO BE MADE DURING CONSTRUCTION. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES BEFORE BEGINNING WORK AND COORDINATE WITH UTILITY OWNERS PRIOR TO ADJUSTING OR RELOCATING ANY UTILITIES. CONTRACTOR TO ADJUST ALL WATER VALVES AND SEWER MANHOLES WITHIN CONSTRUCTION LIMITS. CONTRACTOR SHALL CONTACT APPROPRIATE UTILITY OWNER IMMEDIATELY OF ANY DAMAGE TO EXISTING UTILITY LINES TO REMAIN IN PLACE.
CURB RAMPS:	CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS IN ACCORDANCE WITH STD. 848.06.

2024 SPECIFICATIONS

EFF. 01-16-2024

2024 ROADWAY ENGLISH STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" CONTRACTS STANDARDS AND DEVELOPMENT UNIT – N.C. DEPARTMENT OF TRANSPORTATION – RALEIGH, N.C., DATED JANUARY 16, 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
DIVISION 2 – EARTHWORK	
200.02	METHOD OF CLEARING – METHOD II
DIVISION 6 – ASPHALT BASES AND PAVEMENTS	
654.01	PAVEMENT REPAIRS
DIVISION 8 – INCIDENTALS	
846.01	CONCRETE CURB, GUTTER, AND CURB & GUTTER
848.01	CONCRETE SIDEWALK (USE DETAIL IN LIEU OF STANDARD FOR SHEET 1 OF 1)
848.06	CURB RAMP (USE DETAIL IN LIEU OF STANDARD FOR SHEETS 9 AND 10 OF 13)
DIVISION 9 – SIGNING	
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D' 'E' AND 'F' SIGNS ON 'U' CHANNEL POST

<u>STD. NO.</u>	<u>TITLE</u>
DIVISION 12 – PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	PAVEMENT MARKINGS – LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS – TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS – INTERSECTIONS
1205.07	PAVEMENT MARKINGS – PEDESTRIAN CROSSWALKS
DIVISION 11 – WORK ZONE TRAFFIC CONTROL	
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURE
1101.04	TEMPORARY SHOULDER CLOSURE
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1145.01	BARRICADES – TYPE III
DIVISION 16 – EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1605.01	TEMPORARY SILT FENCE
1632.03	ROCK INLET SEDIMENT TRAP TYPE C
1633.01	TEMPORARY SILT CHECK TYPE A
1636.01	WATTLE CHECK

EFF. 08-11-2025
REV. 11-26-2025

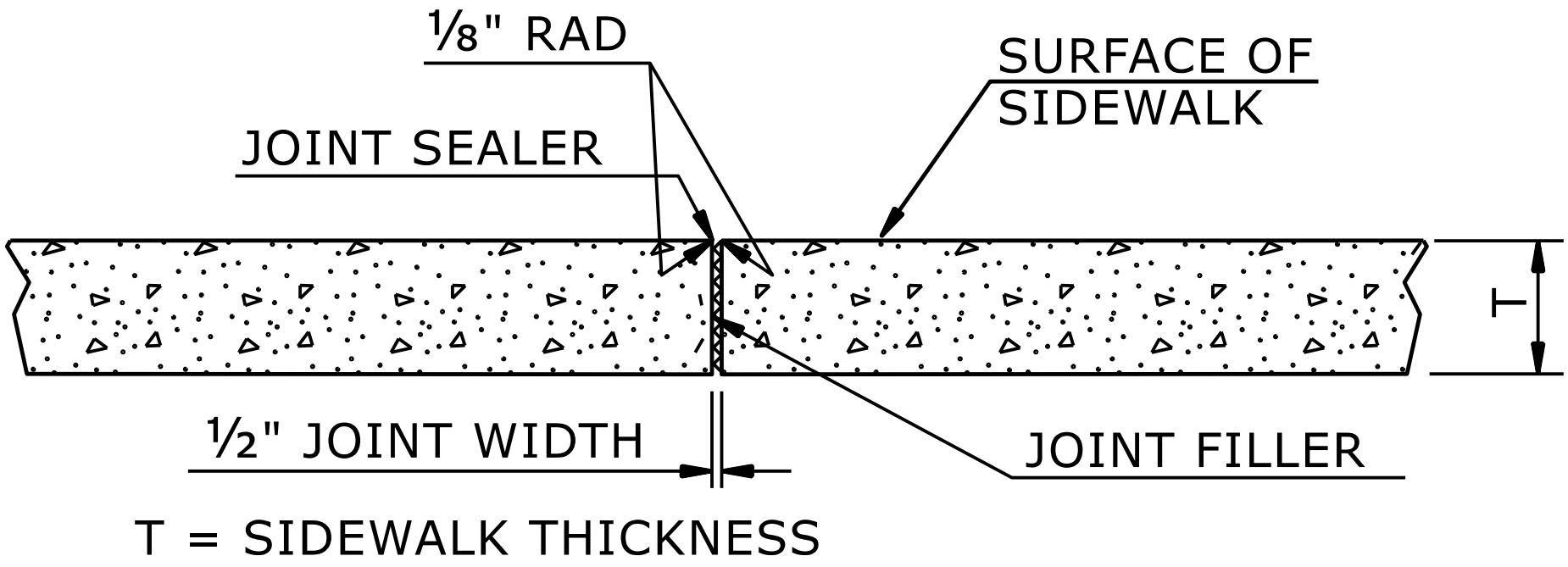
PROJECT REFERENCE NO.	SHEET NO.
BN-00311A	2B-1

NOTES:

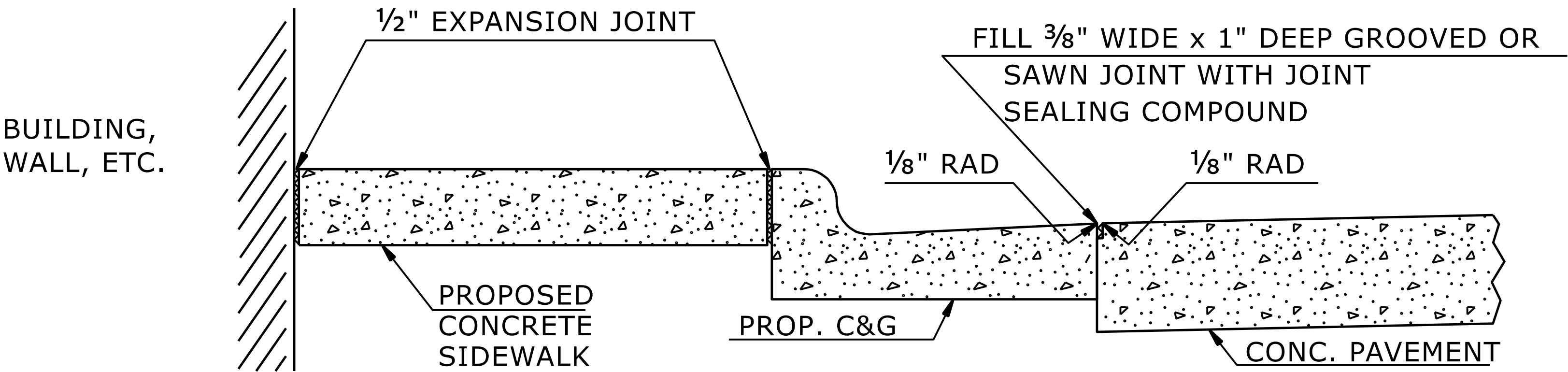
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH 1/8" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.06 FOR CURB RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



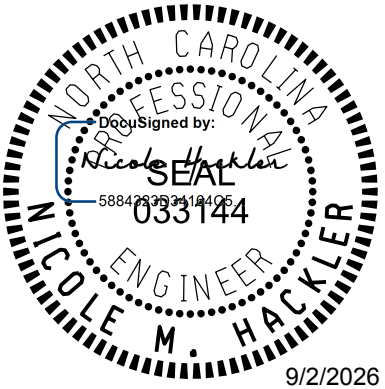
TRANSVERSE EXPANSION JOINT
IN SIDEWALK



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
CONCRETE SIDEWALK



SHEET 1 OF 1
848D01

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

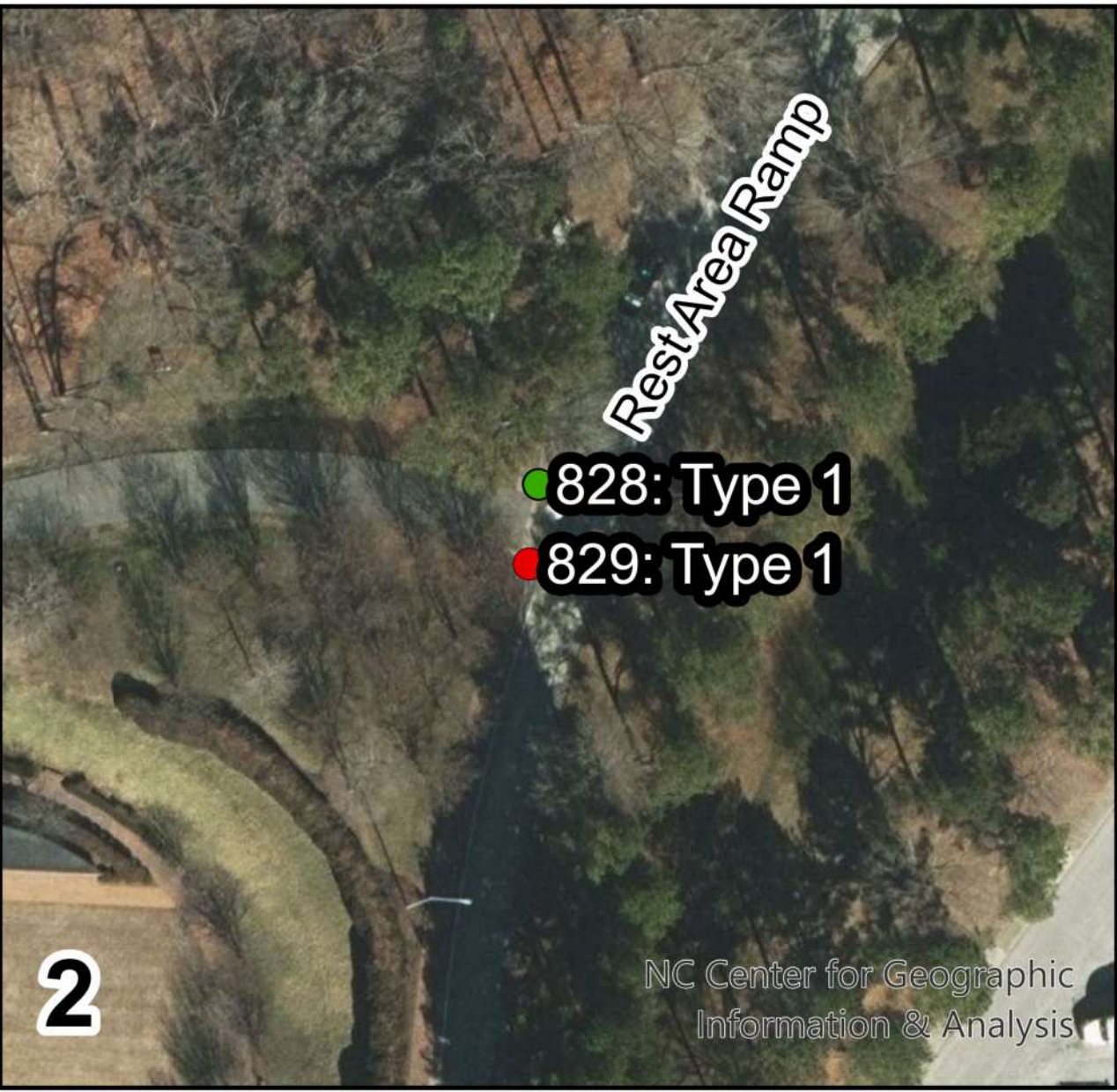
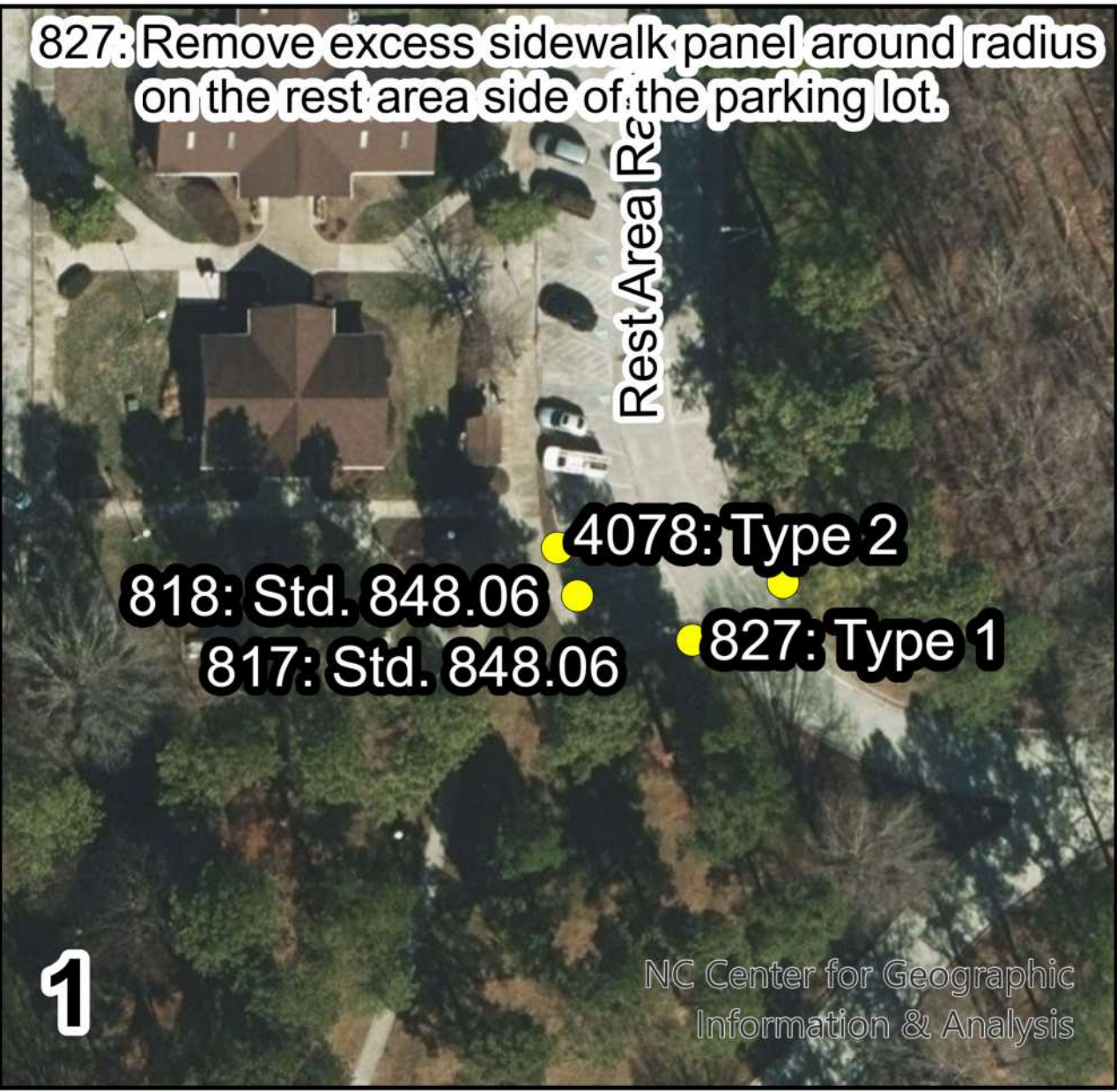
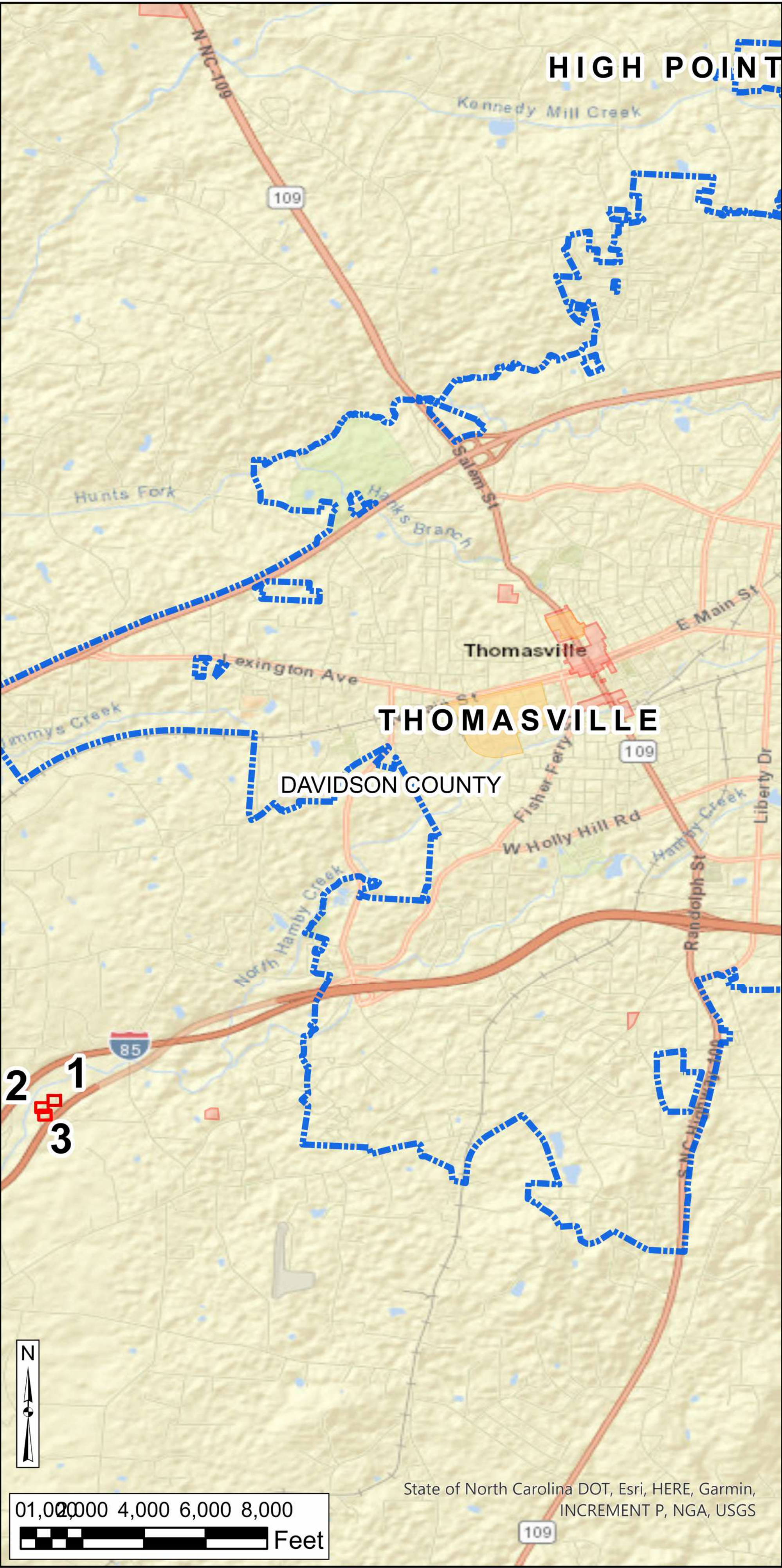
ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: DATE:

THESE QUANTITIES DO NOT INCLUDE SIGNAL AND RRFB QUANTITIES.

SUMMARY OF QUANTITIES - DIVISION 9

TIP Project: BN-00311A
Sheet: SUMMARY 1
WBS:

Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	2549000000-E	Remove Curb & Gutter LF	Remove & Replace Curb & Gutter LF	2591000000-E	Sidewalk Remove & Replace SY	Sidewalk Removal SY	Island Removal SY	2647000000-E	1705000000-E	2845000000-N	2830000000-N	2800000000-N	7648000000-N	5882000000-E	Adjust Guy Wire EA	Dome Style/Color	2600000000-N	2613000000-N	2605000000-N	0000915000-N	Ramp Type
							2'-6" Concrete Curb & Gutter LF			4" Concrete Sidewalk SY				5" Monolithic Concrete Islands (Surface Mounted) SY	Patching Existing Pavement TON	Adjust Valve / Meter EA	Adjust Manhole EA	Adjust Catch Basin EA	Relocate Sign EA	Adjust Utility Box EA			Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA	
817	1.1	1	Davidson	Thomasville	I-85 SB	I-85 SB Rest Area															Black		1			Std. 848.06	
818	1.1	1	Davidson	Thomasville	I-85 SB	I-85 SB Rest Area															Black		1			Std. 848.06	
827	1.1	1	Davidson	Thomasville	I-85 SB	I-85 SB Rest Area															Black			1		Type 1	
4078	1.1	1	Davidson	Thomasville	I-85 SB	I-85 SB Rest Area															Black		1			Type 1A	
828	1.1	2	Davidson	Thomasville	I-85 SB	Vietnam Memorial															Black		1			Type 1	
829	1.1	2	Davidson	Thomasville	I-85 SB	Vietnam Memorial						3									Black			1		Type 1	
825	1.1	3	Davidson	Thomasville	I-85 SB	I-85 SB Rest Area															Black			1		Type 2	
TOTALS:							0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	5	2	0	
							2549000000-E			2591000000-E				2647000000-E	1705000000-E	2845000000-N	2830000000-N	2800000000-N	7648000000-N	5882000000-E			2600000000-N	2613000000-N	2605000000-N	0000915000-N	
							2'-6" Concrete Curb & Gutter			4" Concrete Sidewalk				5" Monolithic Concrete Islands (Surface Mounted)	Patching Existing Pavement	Adjust Valve / Meter	Adjust Manhole	Adjust Catch Basin	Relocate Sign	Adjust Utility Box			Retrofit Existing Curb Ramps	Remove & Replace Curb Ramps	Concrete Curb Ramps	Remove Curb Ramp - SP	
							LF			SY				SY	TON	EA	EA	EA	EA	EA			EA	EA	EA	EA	



LEGEND

ADA RAMP IMPROVEMENT LOCATION

- MISSING
- NOT COMPLIANT
- COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

0 50 100 150 Ft

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DRMP, INC

DIVISION 9 INTERSECTION
ADA IMPROVEMENTS
(UNDER 5000 POPULATION)
DAVIDSON, DAVIE,
ROWAN, AND STOKES COUNTIES
STIP PROJECT BN-00311A

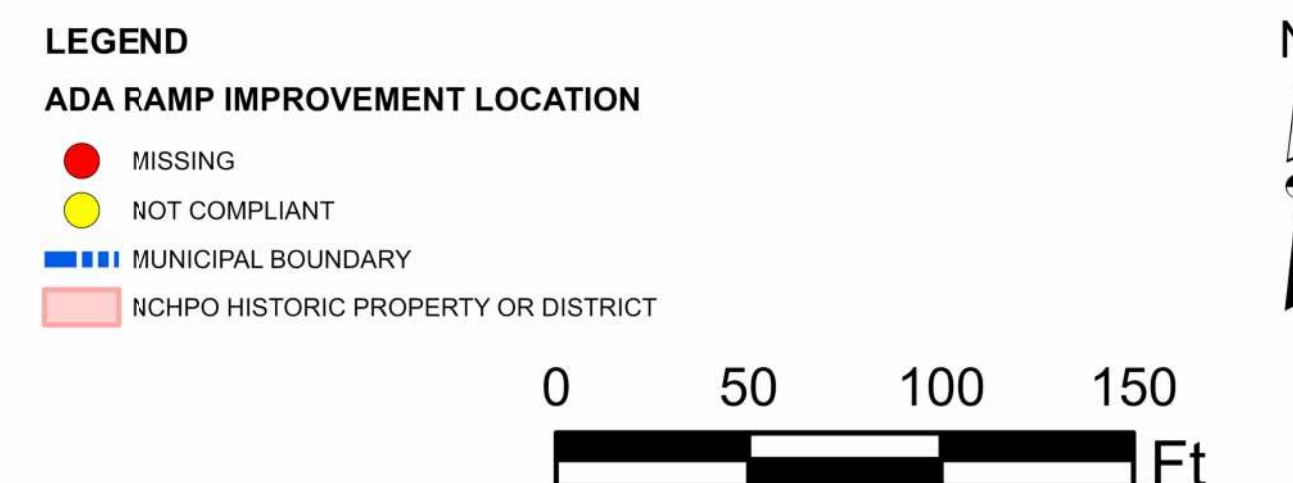
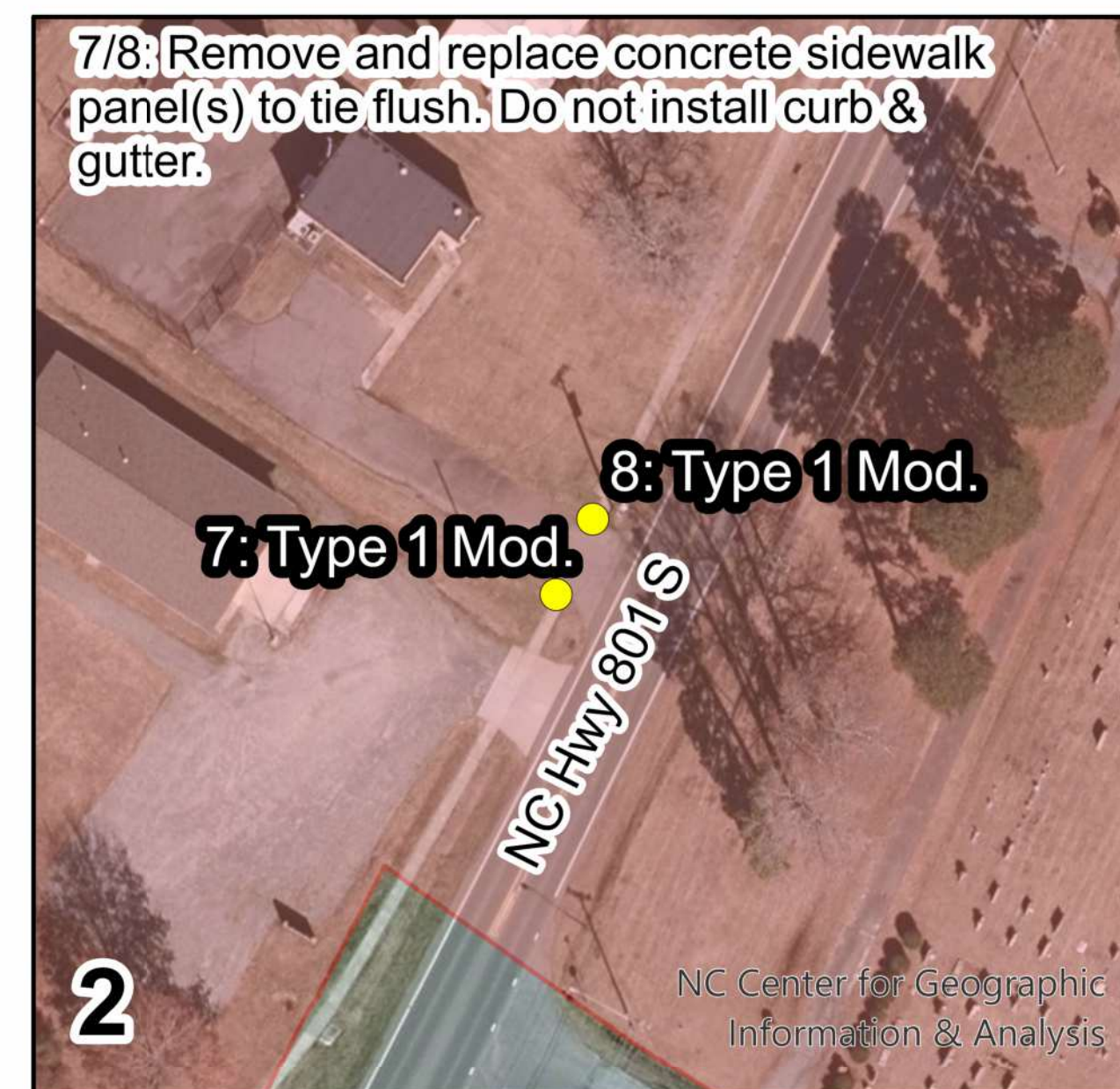
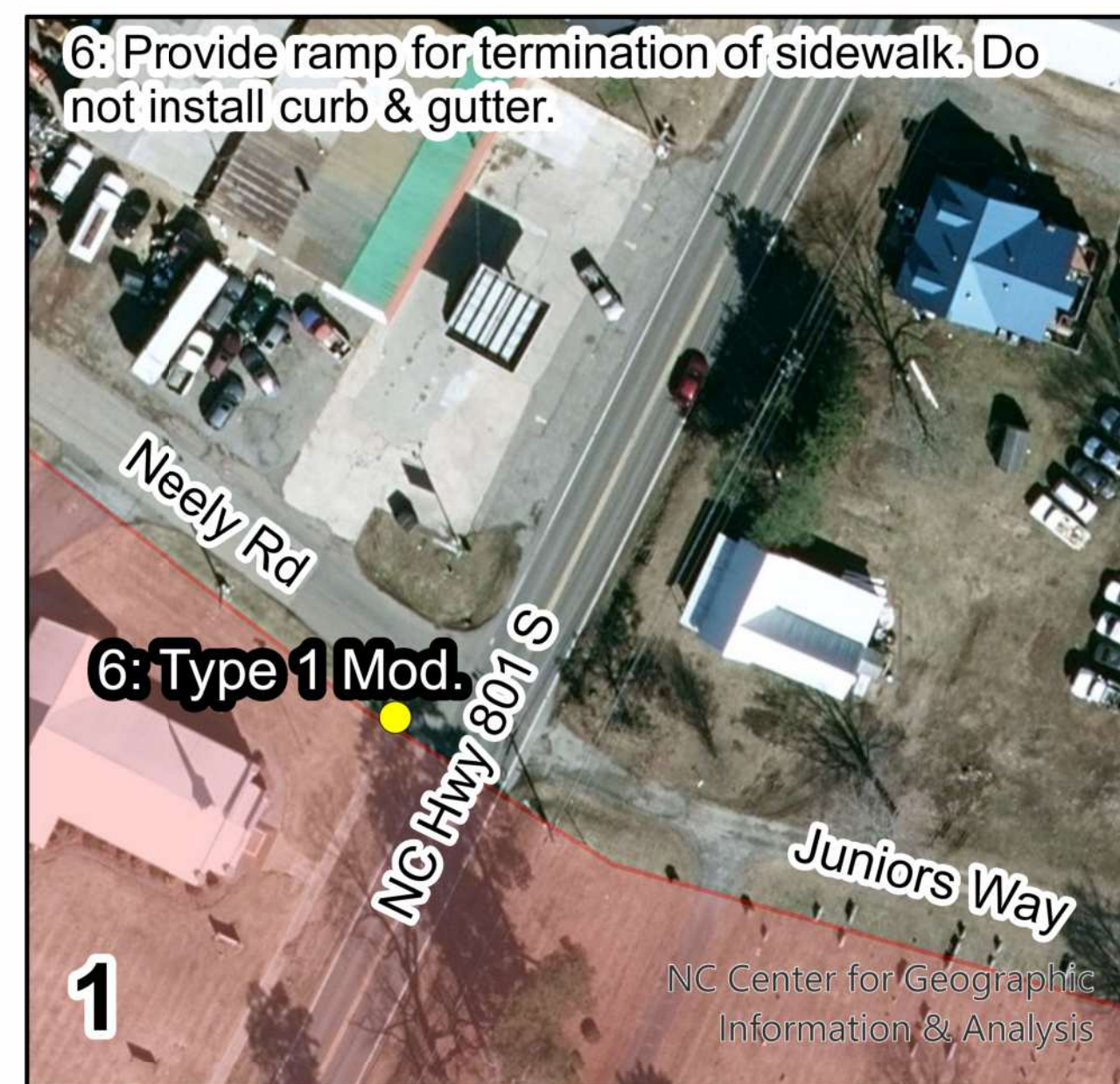
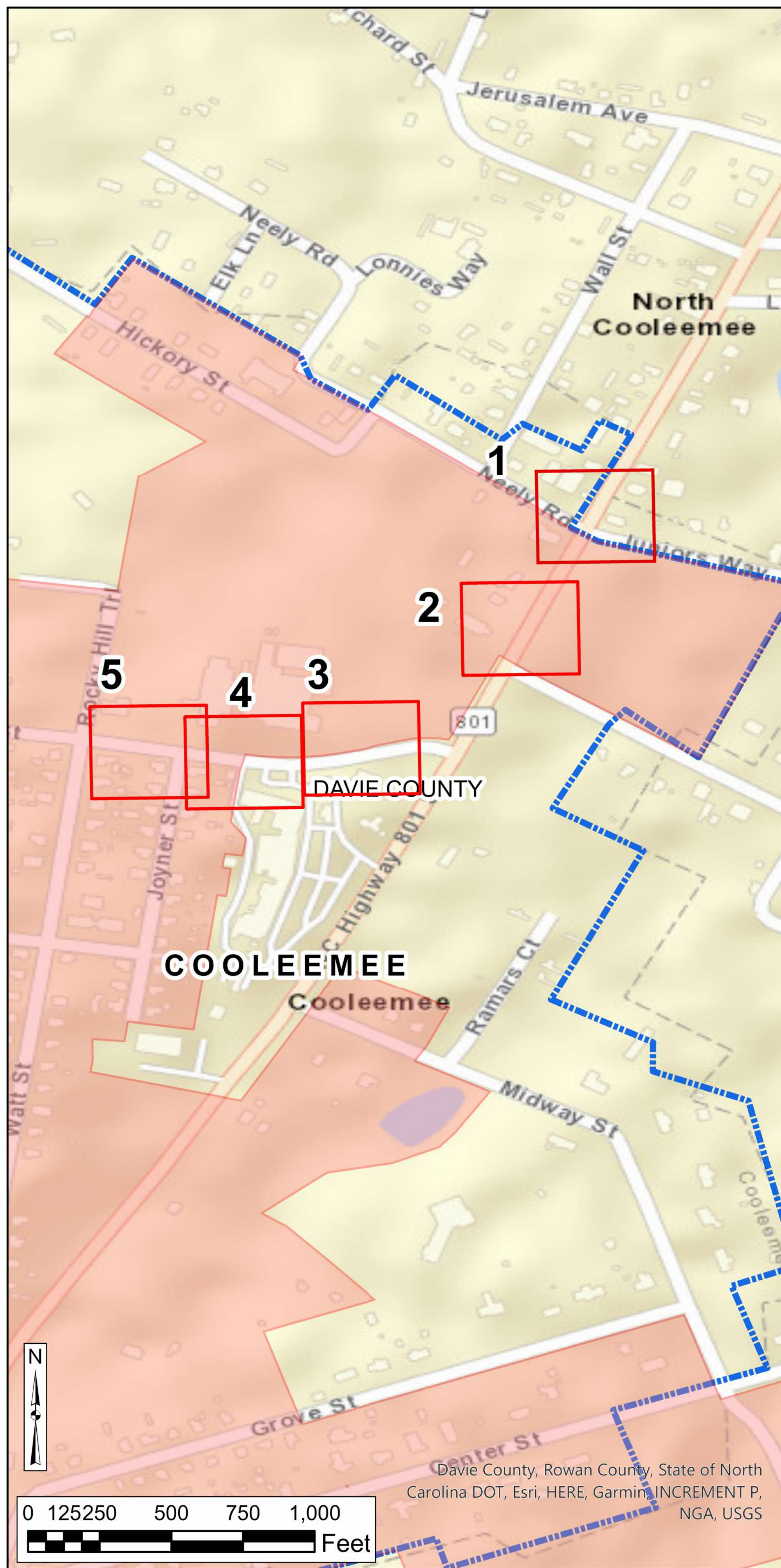
MAP 1.1

THESE QUANTITIES DO NOT INCLUDE SIGNAL AND RRFB QUANTITIES.

SUMMARY OF QUANTITIES - DIVISION 9

TIP Project: BN-00311A
SHEET: SUMMARY 2
WBS:

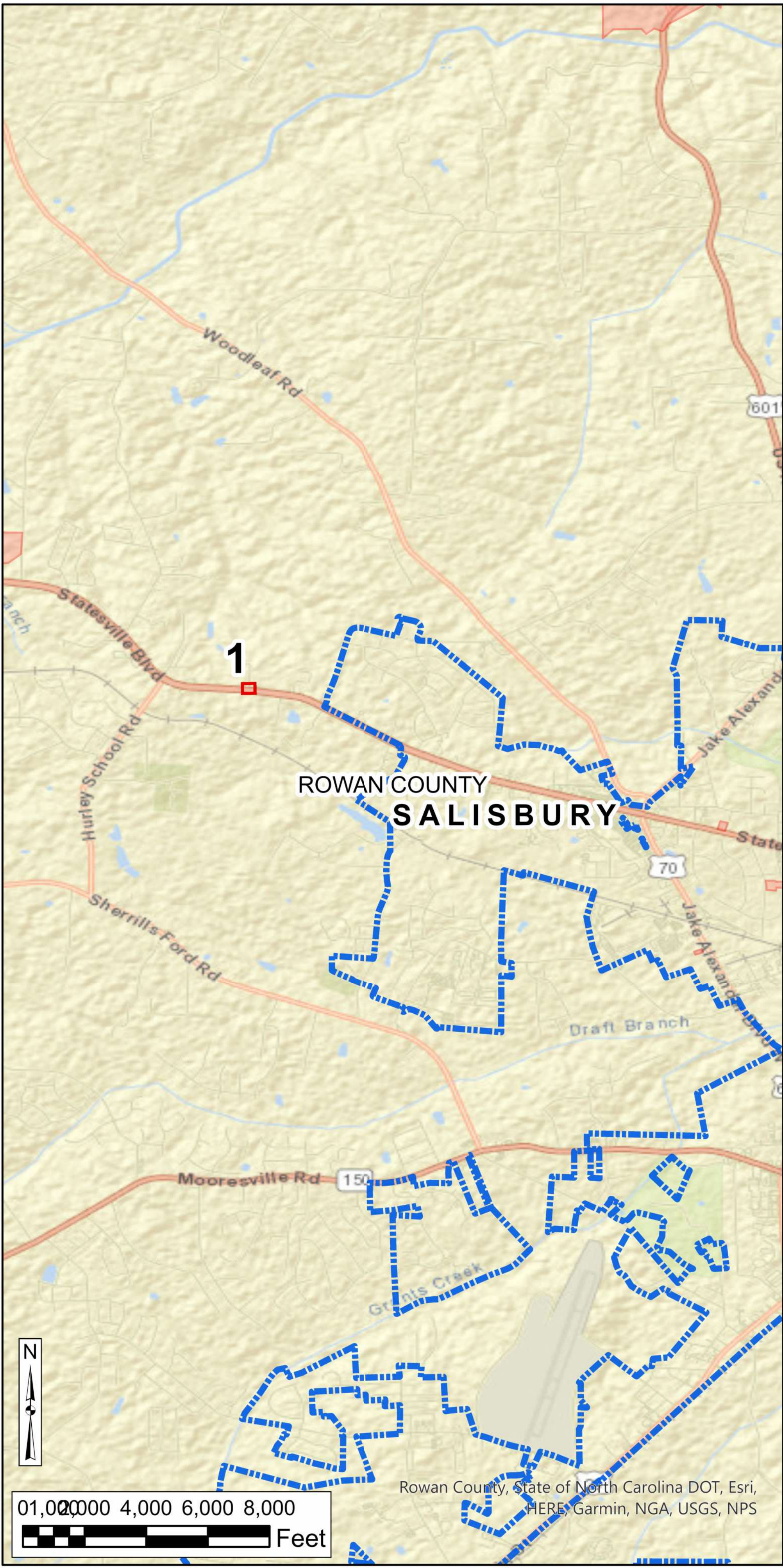
Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	2549000000-E 2'-6" Concrete Curb & Gutter LF	Remove & Replace Curb & Gutter LF	2591000000-E 4" Concrete Sidewalk SY	Sidewalk Remove & Replace SY	Sidewalk Removal SY	2845000000-N Adjust Valve / Meter EA	2830000000-N Adjust Manhole EA	2800000000-N Adjust Catch Basin EA	7648000000-N Relocate Sign EA	5882000000-E Adjust Utility Box EA	Adjust Guy Wire EA	Dome Style/Color	2600000000-N Retrofit Existing Curb Ramps EA	2613000000-N Remove & Replace Curb Ramps EA	2605000000-N Concrete Curb Ramps EA	0000915000-N Remove Curb Ramp - SP EA	Ramp Type
6	2	1	Davie	Cooleemee	NC 801	SR 1128 (Neely Road)												Black		1			Type 1 Mod.
7	2	2	Davie	Cooleemee	NC 801	7716 NC 801 (Yatdel)												Black		1			Type 1 Mod.
8	2	2	Davie	Cooleemee	NC 801	7716 NC 801 (Yatdel)												Black		1			Type 1 Mod.
11	2	3	Davie	Cooleemee	SR 1116 (Marginal Street)	136 Marginal Street Elementary School												Black		1			Type 1 Mod.
12	2	3	Davie	Cooleemee	SR 1116 (Marginal Street)	136 Marginal Street Elementary School				3								Black		1			Type 1 Mod.
13	2	4	Davie	Cooleemee	SR 1116 (Marginal Street)	136 Marginal Street Elementary School												Black		1			Type 1 Mod.
14	2	4	Davie	Cooleemee	SR 1116 (Marginal Street)	136 Marginal Street Elementary School				3								Black		1			Type 1 Mod.
15	2	5	Davie	Cooleemee	SR 1116 (Marginal Street)	174 Marginal Street Fire Station												Black		1			Type 1 Mod.
16	2	5	Davie	Cooleemee	SR 1116 (Marginal Street)	174 Marginal Street Fire Station												Black		1			Type 1 Mod.
TOTALS:							0	0	0	6	0	0	0	0	0	0	0	0	0	9	0	0	
							2549000000-E 2'-6" Concrete Curb & Gutter LF		2591000000-E 4" Concrete Sidewalk SY			2845000000-N Adjust Valve / Meter EA	2830000000-N Adjust Manhole EA		7648000000-N Relocate Sign EA	5882000000-E Adjust Utility Box EA			2600000000-N Retrofit Existing Curb Ramps EA	2613000000-N Remove & Replace Curb Ramps EA	2605000000-N Concrete Curb Ramps EA	0000915000-N Remove Curb Ramp - SP EA	



THESE QUANTITIES DO NOT INCLUDE SIGNAL AND RRFB QUANTITIES.

SUMMARY OF QUANTITIES - DIVISION 9

Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	2549000000-E 2'-6" Concrete Curb & Gutter LF	Remove & Replace Curb & Gutter LF	2591000000-E 4" Concrete Sidewalk SY	Sidewalk Remove & Replace SY	Sidewalk Removal SY	2845000000-N Adjust Valve / Meter EA	2830000000-N Adjust Manhole EA	2800000000-N Adjust Catch Basin EA	7648000000-N Relocate Sign EA	5882000000-E Adjust Utility Box EA		Dome Style/Color	2600000000-N Retrofit Existing Curb Ramps EA	2613000000-N Remove & Replace Curb Ramps EA	2605000000-N Concrete Curb Ramps EA	0000915000-N Remove Curb Ramp - SP EA	Ramp Type
3527	3	1	Rowan	Salisbury	US 70 (Statesville Boulevard)	Bradley Drive												Yellow		1			Std. 848.06
TOTALS:							0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
							2549000000-E 2'-6" Concrete Curb & Gutter LF		2591000000-E 4" Concrete Sidewalk SY			2845000000-N Adjust Valve / Meter EA	2830000000-N Adjust Manhole EA		7648000000-N Relocate Sign EA	5882000000-E Adjust Utility Box EA			2600000000-N Retrofit Existing Curb Ramps EA	2613000000-N Remove & Replace Curb Ramps EA	2605000000-N Concrete Curb Ramps EA	0000915000-N Remove Curb Ramp - SP EA	



LEGEND
ADA RAMP IMPROVEMENT LOCATION

- MISSING
- NOT COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

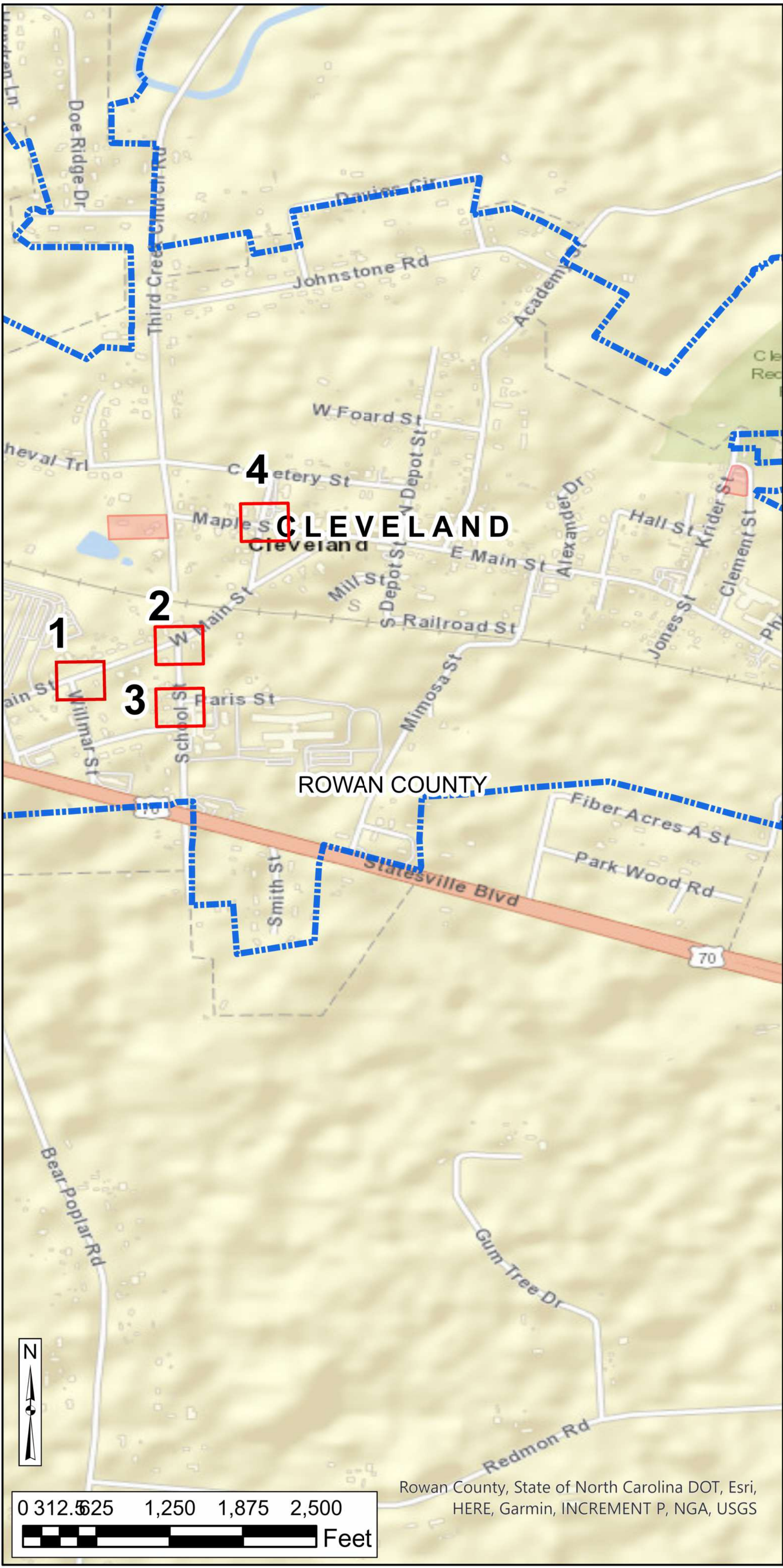
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	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
	DRMP, INC
DIVISION 9 INTERSECTION ADA IMPROVEMENTS (UNDER 5000 POPULATION) DAVIDSON, DAVIE, ROWAN, AND STOKES COUNTIES STIP PROJECT BN-00311A	
MAP 3	

THESE QUANTITIES DO NOT INCLUDE SIGNAL AND RRFB QUANTITIES.

SUMMARY OF QUANTITIES - DIVISION 9

Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	2549000000-E	Remove & Replace Curb & Gutter LF	2591000000-E	Sidewalk Remove & Replace SY	Sidewalk Removal SY	2845000000-N	2830000000-N	2800000000-N	7648000000-N	5882000000-E	Dome Style/Color	2600000000-N	2613000000-N	2605000000-N	0000915000-N	Ramp Type
							2'-8" Concrete Curb & Gutter LF		4" Concrete Sidewalk SY			Adjust Valve / Meter EA						Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA	
2804	4	1	Rowan	Cleveland	SR 1847 (Main Street)	Wilmar Street											Red		1			Type 1
2805	4	1	Rowan	Cleveland	SR 1847 (Main Street)	Wilmar Street											Red		1			Type 1
2806	4	2	Rowan	Cleveland	SR 1847 (Main Street)	SR 1962 (School Street)											Red		1			Type 1A
2846	4	3	Rowan	Cleveland	SR 1962 (School Street)	Paris Street											Red		1			Type 1 Mod.
2837	4	4	Rowan	Cleveland	SR 1957 (Maple Street)	Church Street				3							Red		1			Type 1B
2838	4	4	Rowan	Cleveland	SR 1957 (Maple Street)	Church Street											Red		1			Type 5A
TOTALS:							0	0	0	3	0	0	0	0	0	0	0		6	0	0	
							2549000000-E		2591000000-E			2845000000-N	2830000000-N		7648000000-N	5882000000-E		2600000000-N	2613000000-N	2605000000-N	0000915000-N	
							2'-6" Concrete Curb & Gutter LF		4" Concrete Sidewalk SY			Adjust Valve / Meter EA	Adjust Manhole EA		Relocate Sign EA	Adjust Utility Box EA		Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA	



LEGEND

ADA RAMP IMPROVEMENT LOCATION

- MISSING
- NOT COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

0 50 100 150
Ft

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION OF HIGHWAYS

DRMP, INC

DIVISION 9 INTERSECTION
ADA IMPROVEMENTS
(UNDER 5000 POPULATION)
DAVIDSON, DAVIE,
ROWAN, AND STOKES COUNTIES
STIP PROJECT BN-00311A

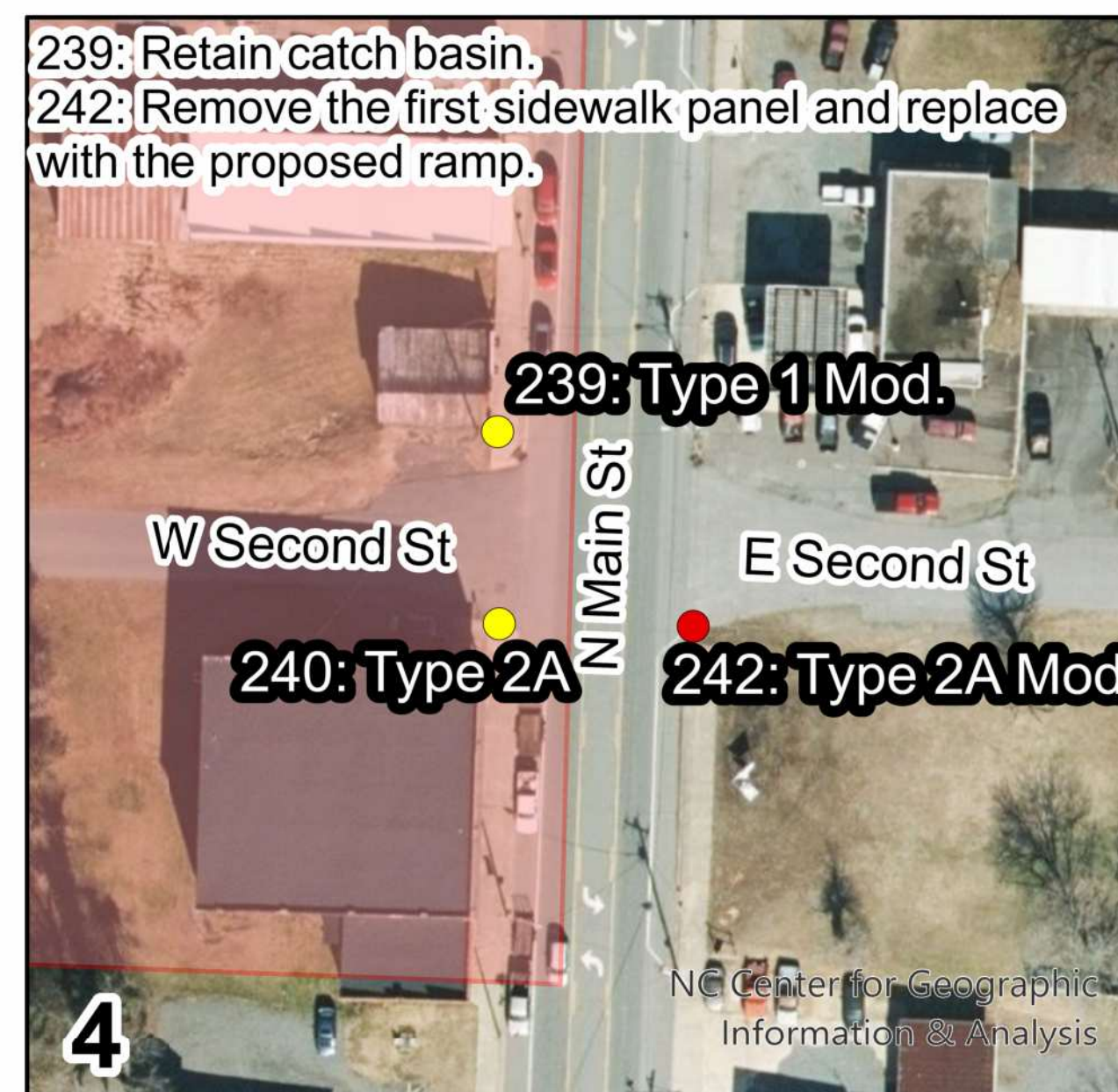
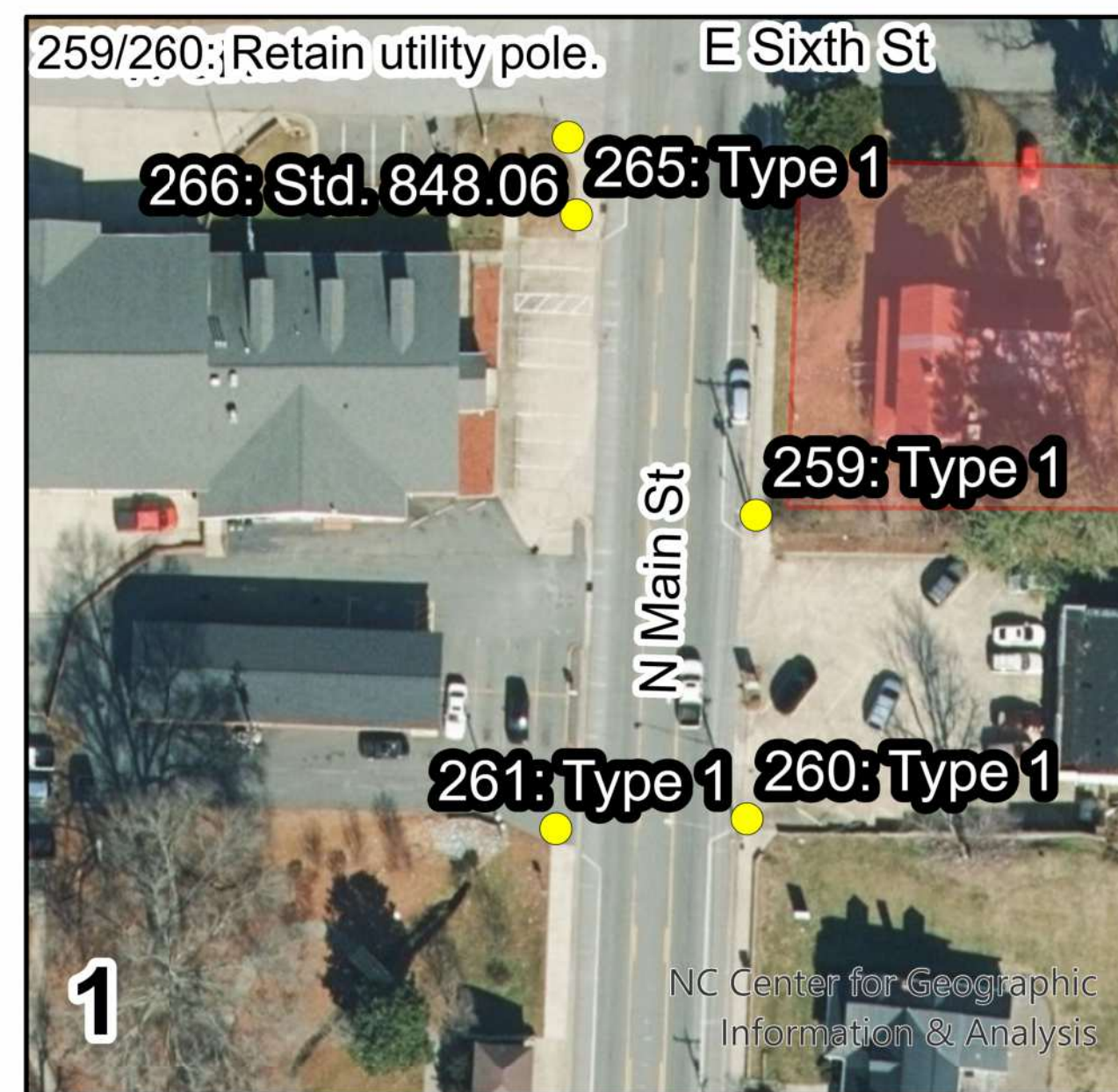
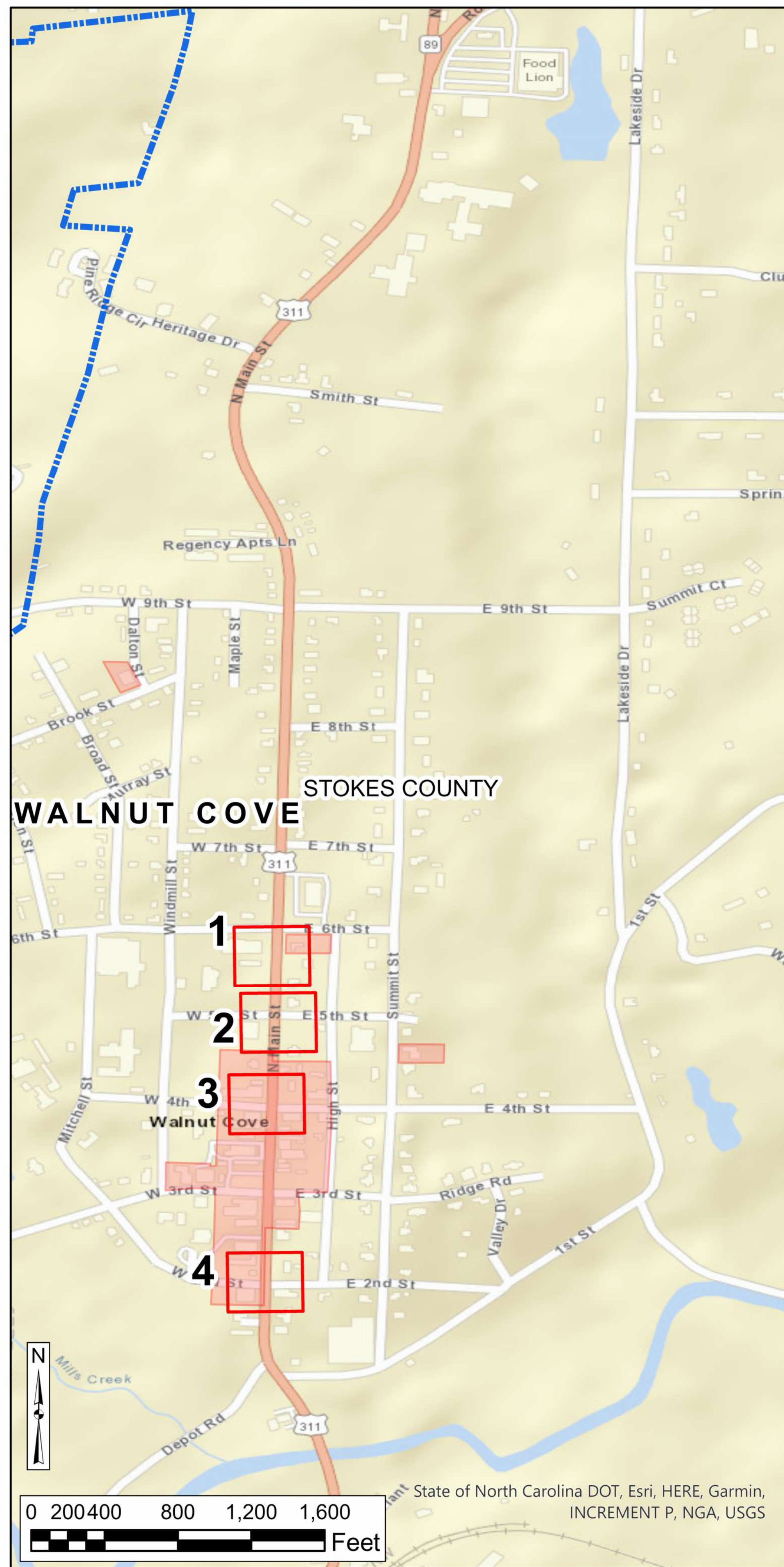
MAP 4

THESE QUANTITIES DO NOT INCLUDE SIGNAL AND RRFB QUANTITIES.

SUMMARY OF QUANTITIES - DIVISION 9

TIP Project: BN-00311A
SHEET: SUMMARY 5
WBS:

Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	2549000000-E	Remove Curb & Gutter LF	Remove & Replace Curb & Gutter LF	2591000000-E	Sidewalk Remove & Replace SY	Sidewalk Removal SY	2845000000-N	2830000000-N	2800000000-N	7648000000-N	5882000000-E		Dome Style/Color	2600000000-N	2613000000-N	2605000000-N	0000915000-N	Ramp Type
							2'-6" Concrete Curb & Gutter LF			4" Concrete Sidewalk SY			Adjust Valve / Meter EA	Adjust Manhole EA	Adjust Catch Basin EA	Relocate Sign EA	Adjust Utility Box EA	Adjust Guy Wire EA		Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA	
266	5	3	Stokes	Walnut Cove	US 311	Sixth Street												Yellow		1			Std. 848.06	
259	5	3	Stokes	Walnut Cove	US 311	522 N Main Street												Yellow		1			Type 1	
260	5	3	Stokes	Walnut Cove	US 311	522 N Main Street												Yellow		1			Type 1	
261	5	3	Stokes	Walnut Cove	US 311	522 N Main Street												Yellow		1			Type 1	
265	5	3	Stokes	Walnut Cove	US 311	Sixth Street												Yellow		1			Type 1	
257	5	4	Stokes	Walnut Cove	US 311	Fifth Street		20			7					1		Yellow			1		Type 1A	
248	5	5	Stokes	Walnut Cove	US 311	Fourth Street												Yellow		1			Type 1 Mod.	
249	5	5	Stokes	Walnut Cove	US 311	Fourth Street												Yellow		1			Type 2A	
252	5	5	Stokes	Walnut Cove	US 311	Fourth Street												Yellow		1			Type 2A	
239	5	6	Stokes	Walnut Cove	US 311	Second Street									1			Yellow		1			Type 1 Mod.	
240	5	6	Stokes	Walnut Cove	US 311	Second Street												Yellow		1			Type 2A	
242	5	6	Stokes	Walnut Cove	US 311	Second Street				6		18						Yellow				1		Type 2A Mod.
TOTALS:							0	20	0	6	0	25	0	0	1	1	0	0	0	0	10	2	0	
							2549000000-E			2591000000-E			2845000000-N	2830000000-N		7648000000-N	5882000000-E			2600000000-N	2613000000-N	2605000000-N	0000915000-N	
							2'-6" Concrete Curb & Gutter LF			4" Concrete Sidewalk SY			Adjust Valve / Meter EA	Adjust Manhole EA		Relocate Sign EA	Adjust Utility Box EA			Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA	



LEGEND

ADA RAMP IMPROVEMENT LOCATION

- MISSING
- NOT COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

0 50 100 150 Ft

	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
	DRMP, INC
DIVISION 9 INTERSECTION ADA IMPROVEMENTS (UNDER 5000 POPULATION) DAVIDSON, DAVIE, ROWAN, AND STOKES COUNTIES STIP PROJECT BN-0031IA	
MAP 5	

REVISIONS

NOTE: DRAWING WAS PREPARED USING THE LATEST AVAILABLE AERIAL PHOTOGRAPHY. ALL DIMENSIONS ARE BASED OFF OF FIELD MEASUREMENTS. CONTRACTOR RESPONSIBLE FOR PROPER DRAINAGE, GRADE TRANSITIONS, AND PROVIDING FLUSH TRANSITIONS. COORDINATE WITH ENGINEER AS NEEDED.



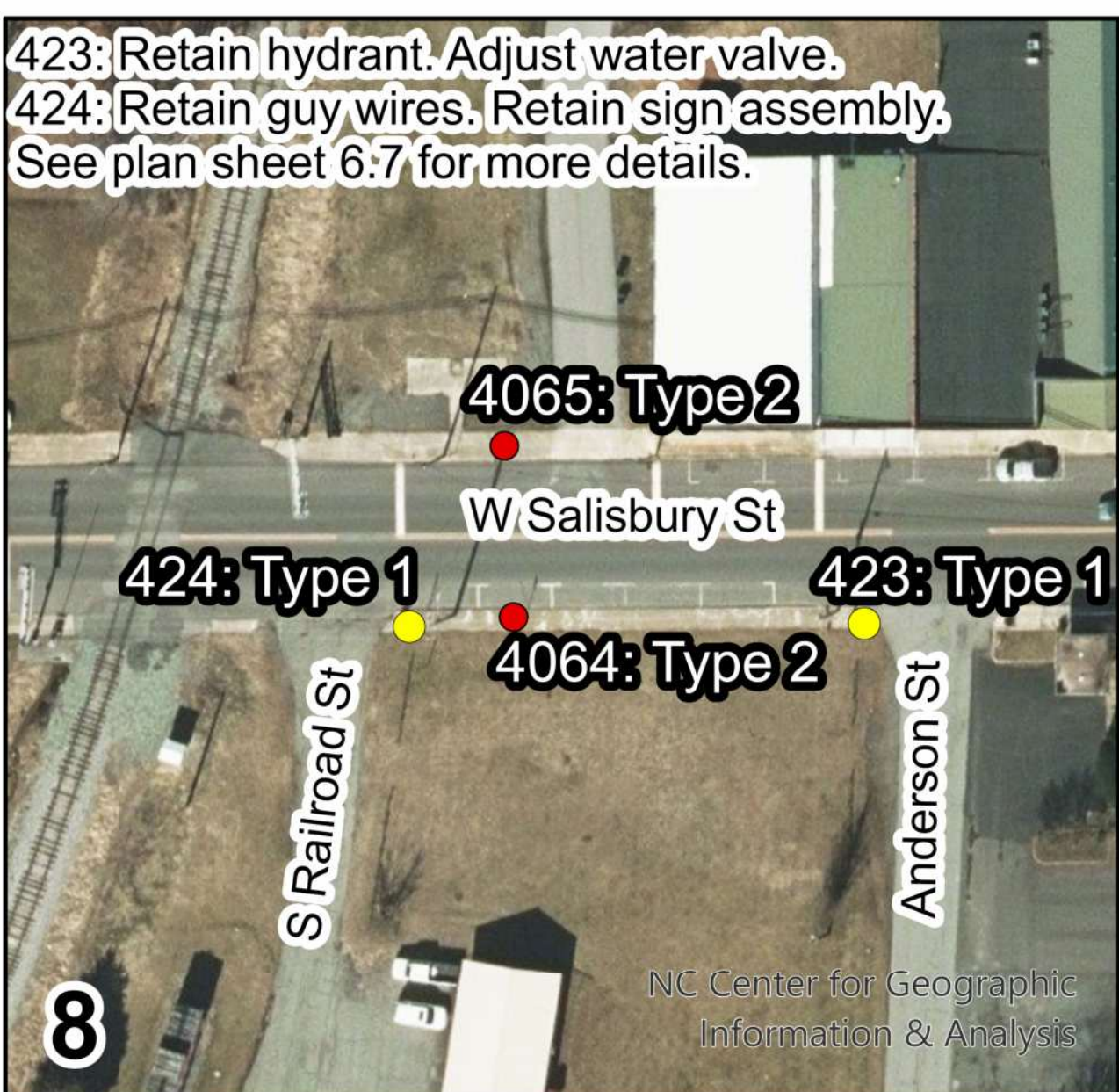
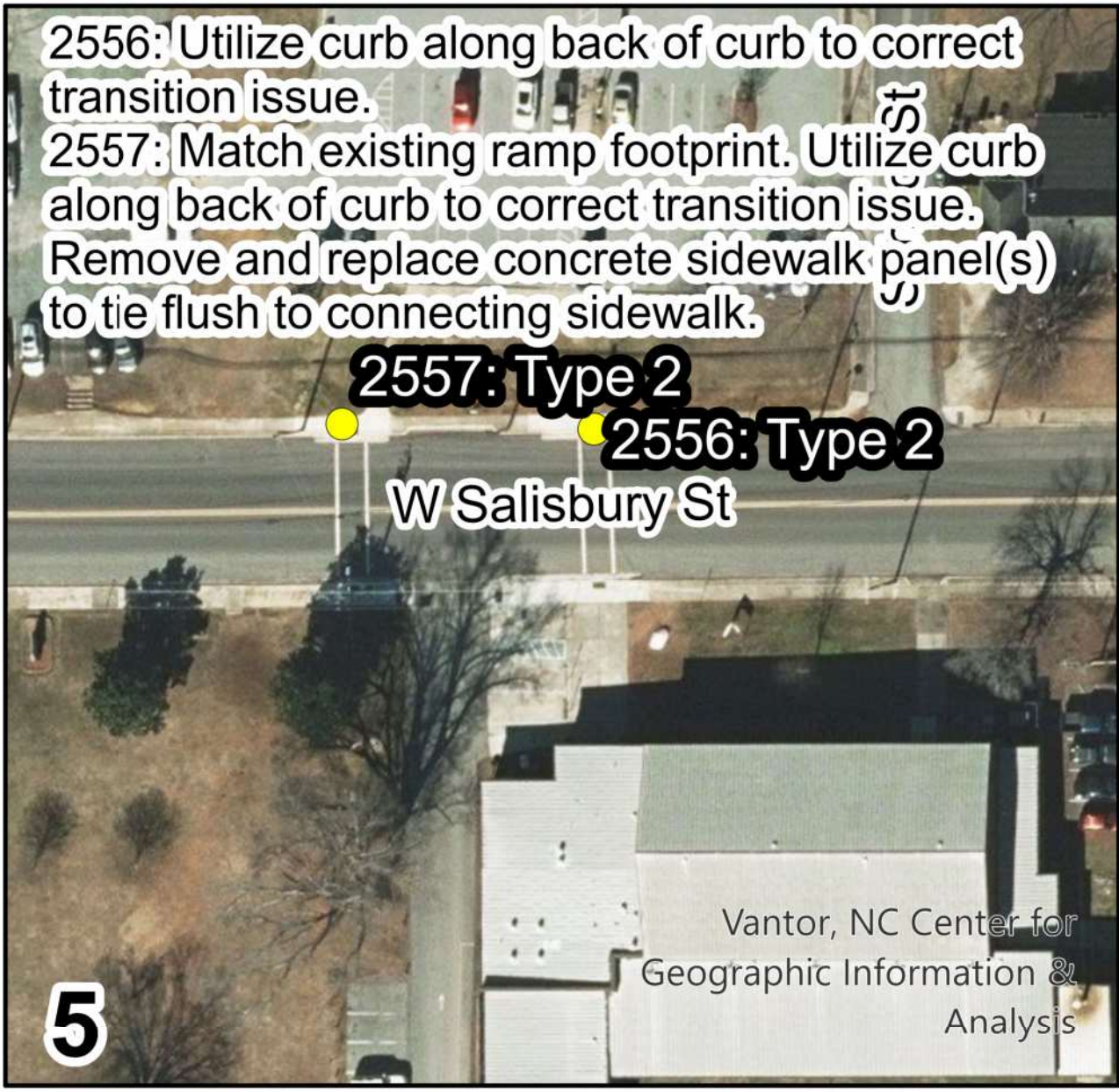
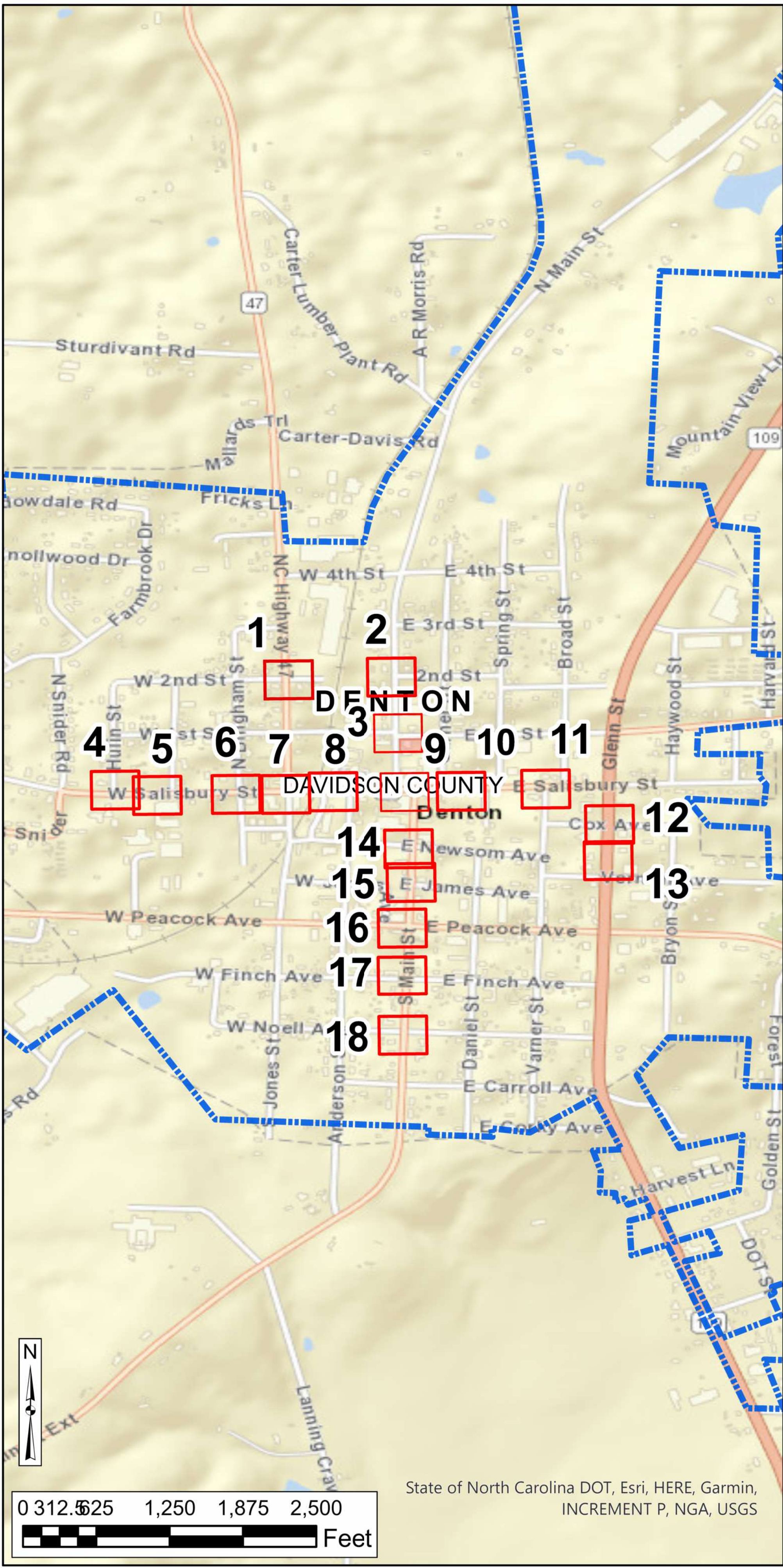
DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		5.2	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY: DRMP 5808 FAIRINGDON PLACE RALEIGH, NC 27608 NC LICENSE NO. P-1524 (919) 873-5115			

THESE QUANTITIES DO NOT INCLUDE SIGNAL AND RRFB QUANTITIES.

SUMMARY OF QUANTITIES - DIVISION 9

Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	2549000000-E	Remove Curb & Gutter LF	Remove & Replace Curb & Gutter LF	2591000000-E	Sidewalk Removal & Replace SY	Sidewalk Removal SY	1297000000-E	0156000000-E	0152300000-E	0157500000-E	2845000000-N	2830000000-N	2800000000-N	7648000000-N	5882000000-E	Dome Style/Color	2600000000-N	2613000000-N	2605000000-N	0000915000-N	Ramp Type
							2'-6" Concrete Curb & Gutter LF			4" Concrete Sidewalk SY			Milling Asphalt Pavement, 1.5" Depth SY	Removal of Existing Asphalt Pavement SY	Asphalt Concrete Surface Course, (59.5C) TON	Asphalt Binder for Plant Mix TON	Adjust Valve / Meter EA	Adjust Manhole EA	Adjust Catch Basin EA	Relocate Sign EA	Adjust Utility Box EA		Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA	
2574	6.1	1	Davidson	Denton	NC 47 (Jones Street)	Second Street																Black					Type 1
451	6.1	2	Davidson	Denton	SR 2414 (N Main Street)	E Second Street																Red		1			Type 1
452	6.1	2	Davidson	Denton	SR 2414 (N Main Street)	E Second Street																Red		1			Type 1
453	6.1	2	Davidson	Denton	SR 2414 (N Main Street)	E Second Street																Red		1			Type 1
454	6.1	2	Davidson	Denton	SR 2414 (N Main Street)	E Second Street																Red		1			Type 1
4016	6.1	3	Davidson	Denton	SR 2414 (N Main Street)	E Second Street																Black		1			Type 1C
4069	6.1	3	Davidson	Denton	SR 2414 (N Main Street)	E Second Street																Black		1			Type 1C
437	6.1	4	Davidson	Denton	SR 2351 (E Salisbury Street)	Hulin Street																Black		1			Type 1
4002	6.1	4	Davidson	Denton	SR 2351 (E Salisbury Street)	Hulin Street		15				10										Black			1		Type 2
4002	6.1	4	Davidson	Denton	SR 2351 (E Salisbury Street)	Hulin Street		15				10								1		Black			1		Type 2
2556	6.1	5	Davidson	Denton	SR 2351 (E Salisbury Street)	School Street - Mid Block														1		Black			1		Type 2
2557	6.1	5	Davidson	Denton	SR 2351 (E Salisbury Street)	School Street - Mid Block					3											Black			1		Type 2
2553	6.1	6	Davidson	Denton	SR 2351 (E Salisbury Street)	Bingham Street					3	3										Black			1		Type 1C
430	6.1	7	Davidson	Denton	SR 2351 (E Salisbury Street)	NC 47	10							15				1				Black			1		Type 1 Mod.
4029	6.1	7	Davidson	Denton	SR 2351 (E Salisbury Street)	NC 47														1		Black			1		Type 2A
423	6.1	8	Davidson	Denton	NC 47 (E Salisbury Street)	Anderson Street														1		Black			1		Type 1
424	6.1	8	Davidson	Denton	NC 47 (E Salisbury Street)	Rail Road Street																Black			1		Type 1
4064	6.1	8	Davidson	Denton	NC 47 (E Salisbury Street)	Rail Road Street		18				12								1		Black			1		Type 2
4065	6.1	8	Davidson	Denton	NC 47 (E Salisbury Street)	Rail Road Street		24				20										Black			1		Type 2
4008	6.2	10	Davidson	Denton	NC 47 (E Salisbury Street)	Garner Street		15				9										Black			1		Type 2
4019	6.2	10	Davidson	Denton	NC 47 (E Salisbury Street)	Garner Street	2															Black			1		Type 2A
413	6.2	11	Davidson	Denton	NC 47 (E Salisbury Street)	Vanner Street																Red			1		Type 2A
459	6.2	12	Davidson	Denton	NC 47/NC 109	Cox Avenue																Red			1		Type 1 Mod.
463	6.2	13	Davidson	Denton	NC 47/NC 109	L2948 NC 109																Red			1		Type 1 Mod.
465	6.2	13	Davidson	Denton	NC 47/NC 109	Vernon Avenue																Red			1		Type 1 Mod.
488	6.2	14	Davidson	Denton	SR 2501 (S Main Street)	Newsome Avenue																Black			1		Type 1C
489	6.2	14	Davidson	Denton	SR 2501 (S Main Street)	Newsome Avenue		12		6										1		Black			1		Type 1A
490	6.2	14	Davidson	Denton	SR 2501 (S Main Street)	Newsome Avenue		8			3	12										Black			1		Type 1A
4072	6.2	14	Davidson	Denton	SR 2501 (S Main Street)	Newsome Avenue								6								Black			1		Std. 848.06
4076	6.2	14	Davidson	Denton	SR 2501 (S Main Street)	Newsome Avenue								8								Black			1		Std. 848.06
4077	6.2	14	Davidson	Denton	SR 2501 (S Main Street)	Newsome Avenue		16				11										Black			1		Type 2
486	6.2	15	Davidson	Denton	SR 2501 (S Main Street)	E James Avenue							5		1	1						Black			1		Type 1C
4017	6.2	15	Davidson	Denton	SR 2501 (S Main Street)	E James Avenue		15				9										Black			1		Type 2
4018	6.2	15	Davidson	Denton	SR 2501 (S Main Street)	E James Avenue																Black			1		Type 2A
2562	6.2	16	Davidson	Denton	SR 2501 (S Main Street)	SR 1002 (Peacock Avenue)																Black			1		Type 2A Mod.
2565	6.2	16	Davidson	Denton	SR 2501 (S Main Street)	SR 1002 (Peacock Avenue)																Black			1		Type 1B
2561	6.3	17	Davidson	Denton	SR 2501 (S Main Street)	E Finch Avenue																Black			1		Type 1B
481	6.3	18	Davidson	Denton	SR 2501 (S Main Street)	Noel Avenue					9											Black			1		Type 1 Mod.
TOTALS:							12	138	0	6	18	96	5	29	1	1	2	0	0	4	0		0	26	12	0	
							2549000000-E			2591000000-E			1297000000-E	0156000000-E	0152300000-E	0157500000-E	2845000000-N	2830000000-N		7648000000-N	5882000000-E		2600000000-N	2613000000-N	2605000000-N	0000915000-N	
							2'-6" Concrete Curb & Gutter LF			4" Concrete Sidewalk SY			Milling Asphalt Pavement, 1.5" Depth SY	Removal of Existing Asphalt Pavement SY	Asphalt Concrete Surface Course, (59.5C) TON	Asphalt Binder for Plant Mix TON	Adjust Valve / Meter EA	Adjust Manhole EA		Relocate Sign EA	Adjust Utility Box EA		Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA	

Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	4695000000-E	4709000000-E	4850000000-E	4860000000-E	4870000000-E
							Thermoplastic Pavement Marking Lines (8", 90 MILS) LF	Thermoplastic Pavement Marking Lines (24", 90 MILS) LF	Removal of Pavement Marking Lines (4") LF	Removal of Pavement Marking Lines (8") LF	Removal of Pavement Marking Lines (24") LF
4069	6.1	3	Davidson	Denton	SR 2414 (N Main Street)	E Second Street	125	100			
4003	6.1	4	Davidson	Denton	SR 2351 (E Salisbury Street)	Hulin Street		80	16		
4005	6.1	7	Davidson	Denton	SR 2351 (E Salisbury Street)	NC 47	145	21	20		22
4064	6.1	8	Davidson	Denton	NC 47 (E Salisbury Street)	Rail Road Street		110	50		
4012	6.2	9	Davidson	Denton	SR 2351 (E Salisbury Street)	SR 2414 (N Main Street)	95	25	15		25
4008	6.2	10	Davidson	Denton	NC 47 (E Salisbury Street)	Garner Street		80	20		
489	6.2	14	Davidson	Denton	SR 2501 (S Main Street)	Newsome Avenue		100	40		
490	6.2	14	Davidson	Denton	SR 2501 (S Main Street)	Newsome Avenue		90	35		
4076	6.2	14	Davidson	Denton	SR 2501 (S Main Street)	Newsome Avenue	65				
486	6.2	15	Davidson	Denton	SR 2501 (S Main Street)	E James Avenue	60	90	30		
2562	6.2	16	Davidson	Denton	SR 2501 (S Main Street)	SR 1002 (Peacock Avenue)	170	20			
TOTALS:							660	696	246	0	47
							4695000000-E	4709000000-E	4850000000-E	4860000000-E	4870000000-E
							Thermoplastic Pavement Marking Lines (8", 90 MILS) LF	Thermoplastic Pavement Marking Lines (24", 90 MILS) LF	Removal of Pavement Marking Lines (4") LF	Removal of Pavement Marking Lines (8") LF	Removal of Pavement Marking Lines (24") LF



LEGEND

ADA RAMP IMPROVEMENT LOCATION

- MISSING
- NOT COMPLIANT
- COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

0 50 100 150 Ft

N

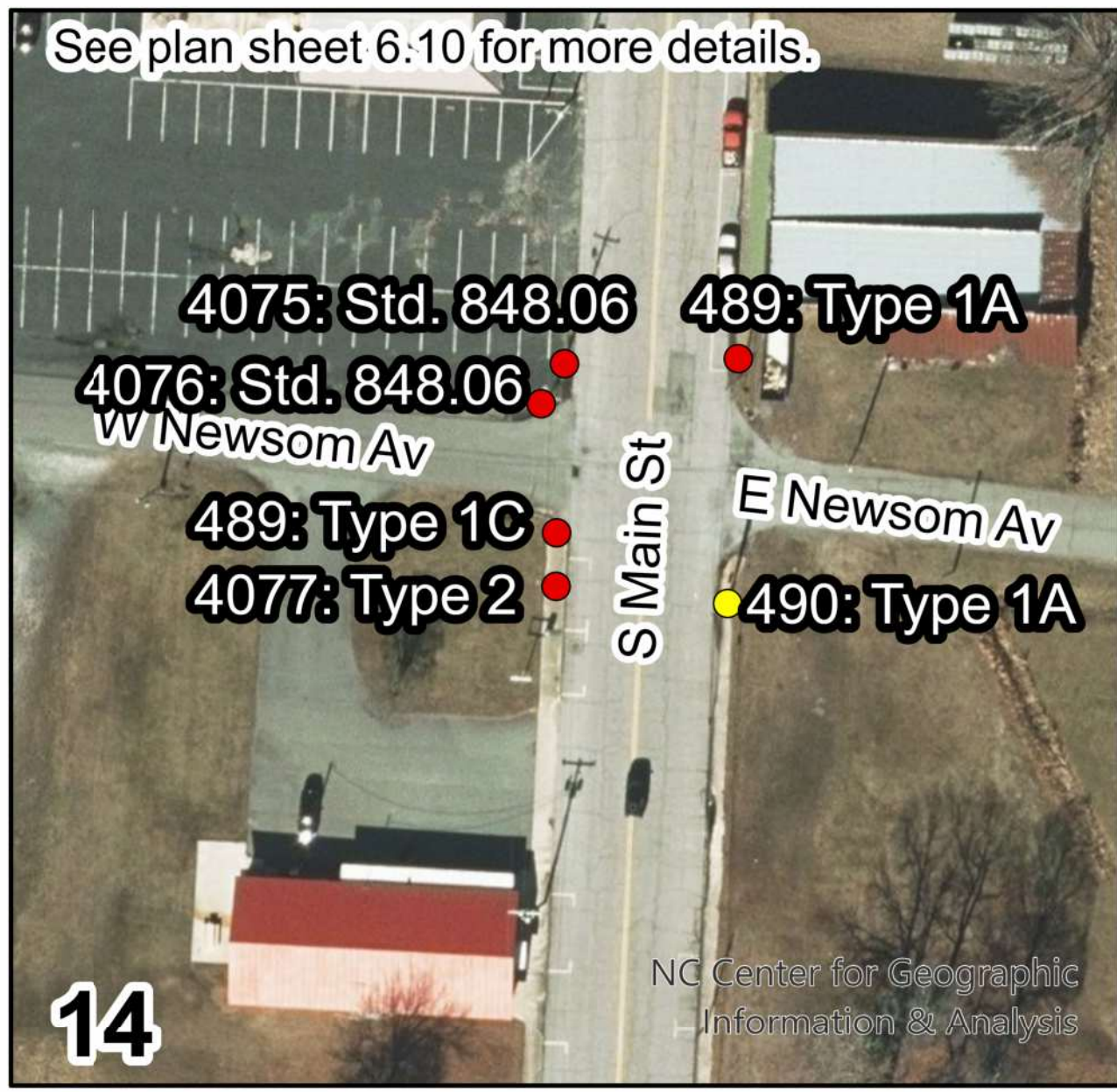
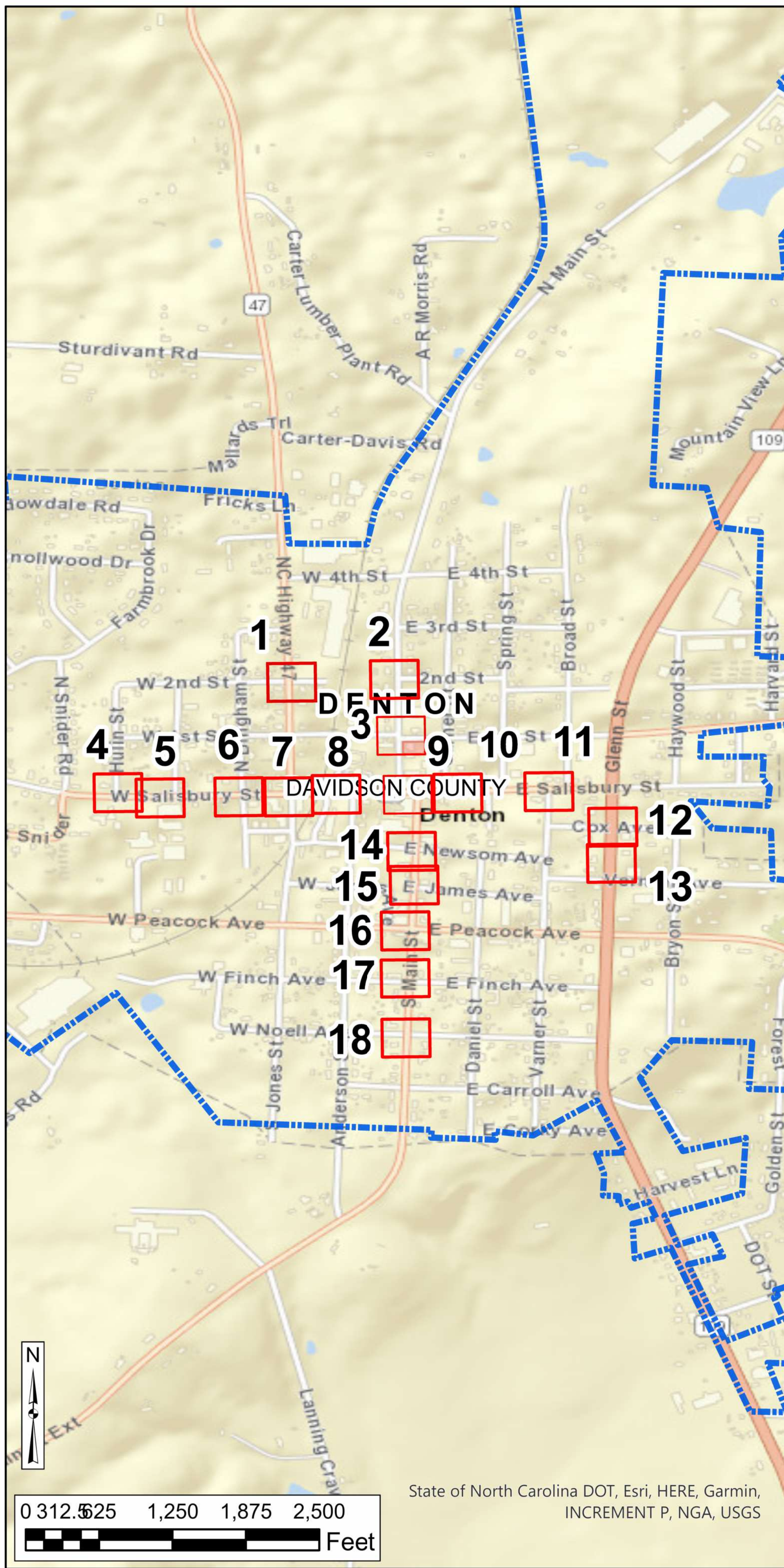
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DRMP, INC

DIVISION 9 INTERSECTION
ADA IMPROVEMENTS
(UNDER 5000 POPULATION)
DAVIDSON, DAVIE,
ROWAN, AND STOKES COUNTIES
STIP PROJECT BN-00311A

MAP 6.1



LEGEND

ADA RAMP IMPROVEMENT LOCATION

- MISSING
- NOT COMPLIANT
- COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

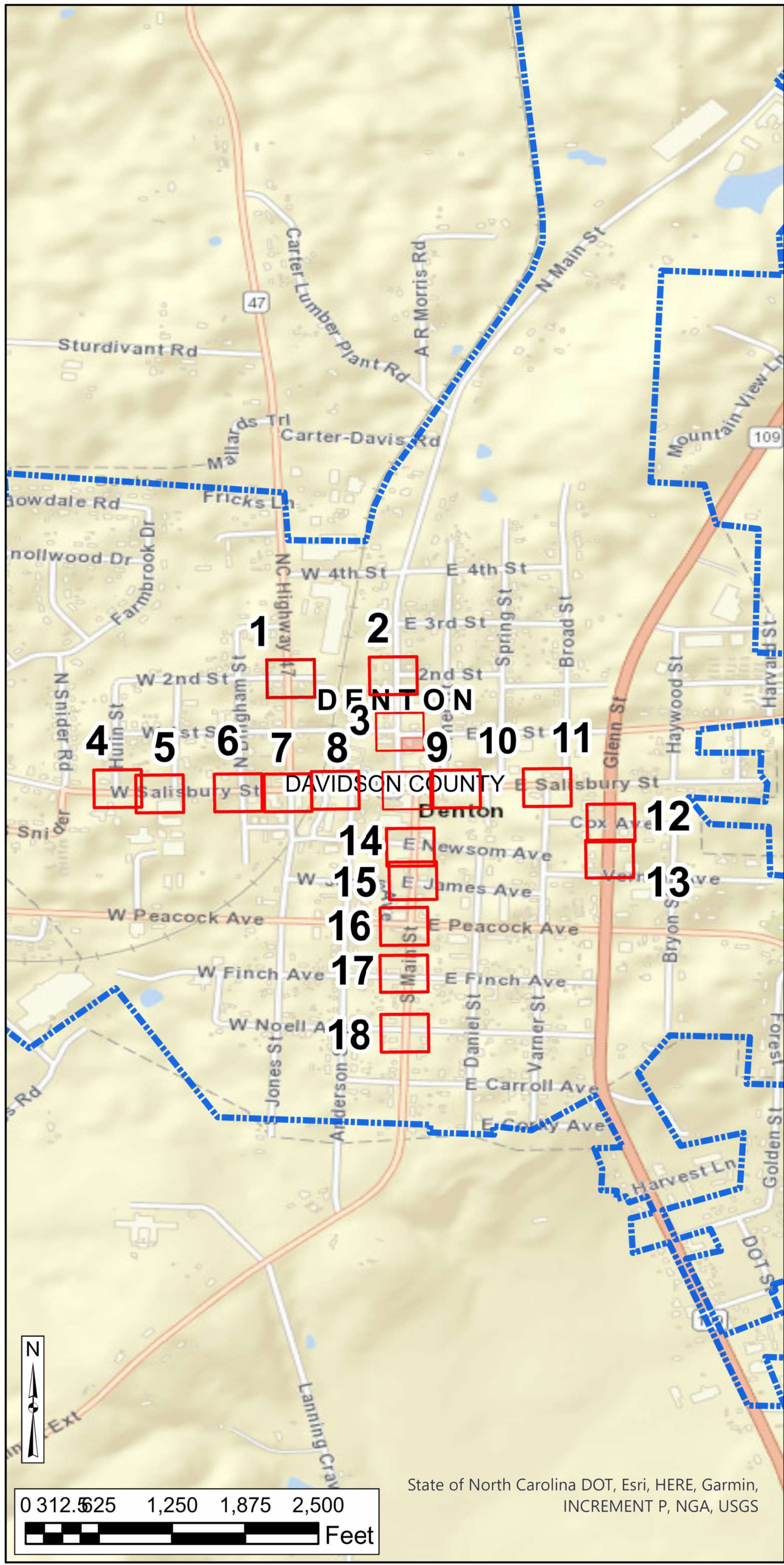
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 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DRMP, INC

DIVISION 9 INTERSECTION ADA IMPROVEMENTS (UNDER 5000 POPULATION) DAVIDSON, DAVIE, ROWAN, AND STOKES COUNTIES STIP PROJECT BN-00311A

MAP 6.2



LEGEND

ADA RAMP IMPROVEMENT LOCATION

- MISSING (Red dot)
- NOT COMPLIANT (Yellow dot)
- MUNICIPAL BOUNDARY (Blue dashed line)
- NCHPO HISTORIC PROPERTY OR DISTRICT (Pink shaded area)

0 50 100 150 Ft

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

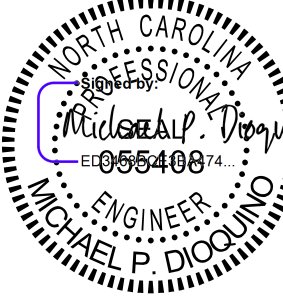
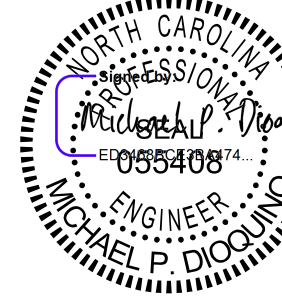
DRMP, INC

DIVISION 9 INTERSECTION ADA IMPROVEMENTS (UNDER 5000 POPULATION) DAVIDSON, DAVIE, ROWAN, AND STOKES COUNTIES STIP PROJECT BN-00311A

MAP 6.3

\$SYTIME\$\$\$\$\$
\$DGN\$\$\$\$\$
\$USERNAME\$\$\$\$



DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		6.4	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
9/2/2026		9/2/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY:			
			
DRMP, INC. 5808 FARRINGTON PLACE RALEIGH, NC 27619 NC LICENSE NO. F-1124 (919) 872-5115			

NOTE: DRAWING WAS PREPARED USING THE LATEST AVAILABLE AERIAL PHOTOGRAPHY. ALL DIMENSIONS ARE BASED OFF OF FIELD MEASUREMENTS. CONTRACTOR RESPONSIBLE FOR PROPER DRAINAGE, GRADE TRANSITIONS, AND PROVIDING FLUSH TRANSITIONS. COORDINATE WITH ENGINEER AS NEEDED.

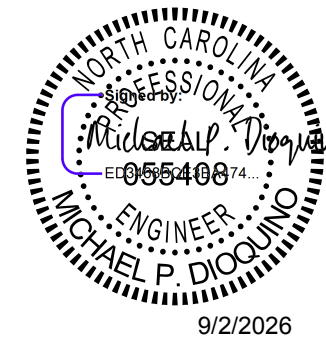
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R/W SHEET NO.		
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		
PLANS PREPARED BY: DRMP DRMP, INC. 5908 FAIRGROVE PLACE RALEIGH, NC 27608 NC LICENSE NO. P-1524 (919) 873-5115		

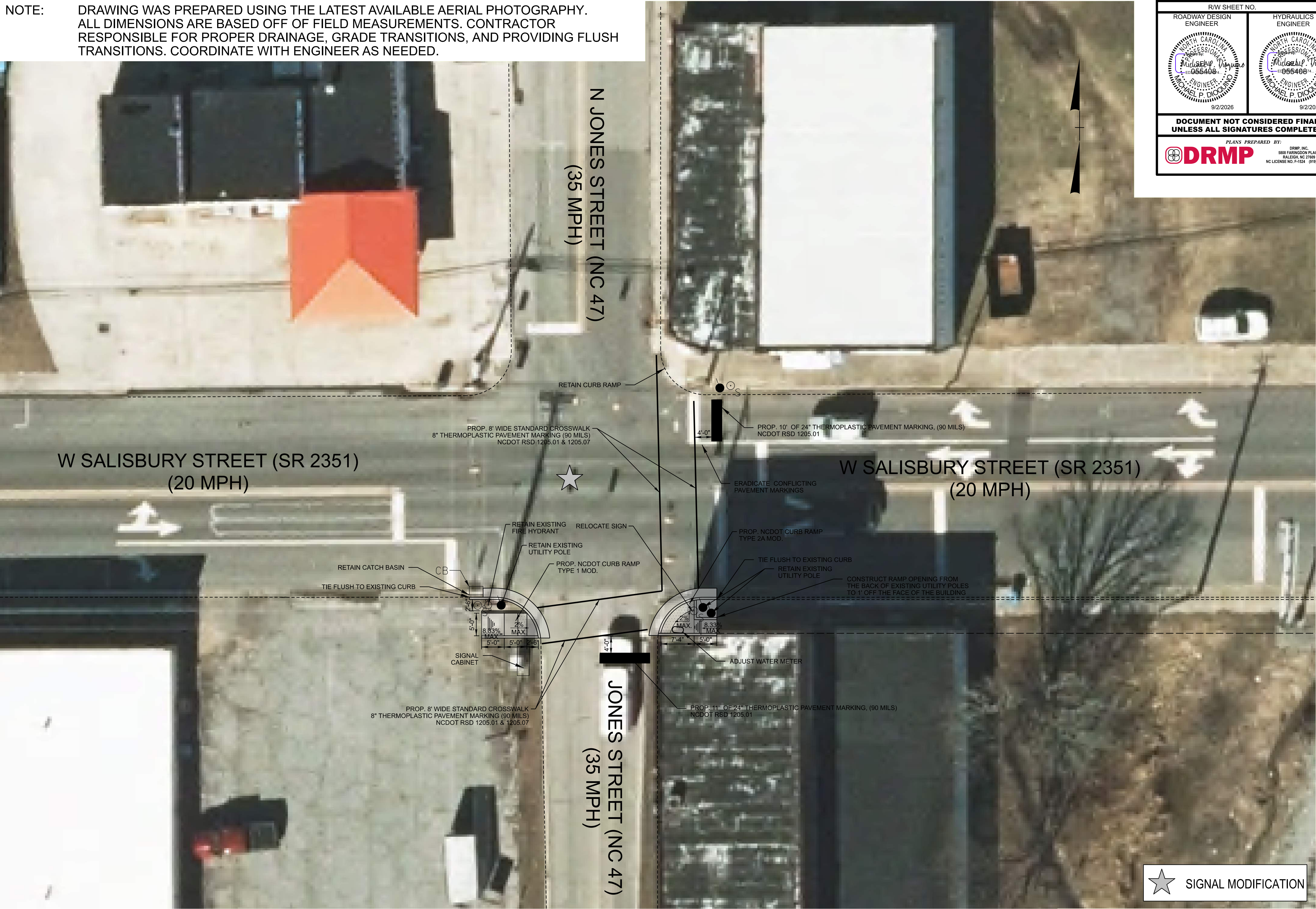


REVISIONS

\$\$\$\$SYTIME\$\$\$\$
\$\$\$\$DON\$\$\$\$
\$\$\$\$USERNAME\$\$\$\$

NOTE: DRAWING WAS PREPARED USING THE LATEST AVAILABLE AERIAL PHOTOGRAPHY. ALL DIMENSIONS ARE BASED OFF OF FIELD MEASUREMENTS. CONTRACTOR RESPONSIBLE FOR PROPER DRAINAGE, GRADE TRANSITIONS, AND PROVIDING FLUSH TRANSITIONS. COORDINATE WITH ENGINEER AS NEEDED.

DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		6.6	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY:  DRMP			
DRMP, INC. 5908 FAIRINGDON PLACE RALEIGH, NC 27608 NC LICENSE NO. P-1524 (P19) 873-5115			

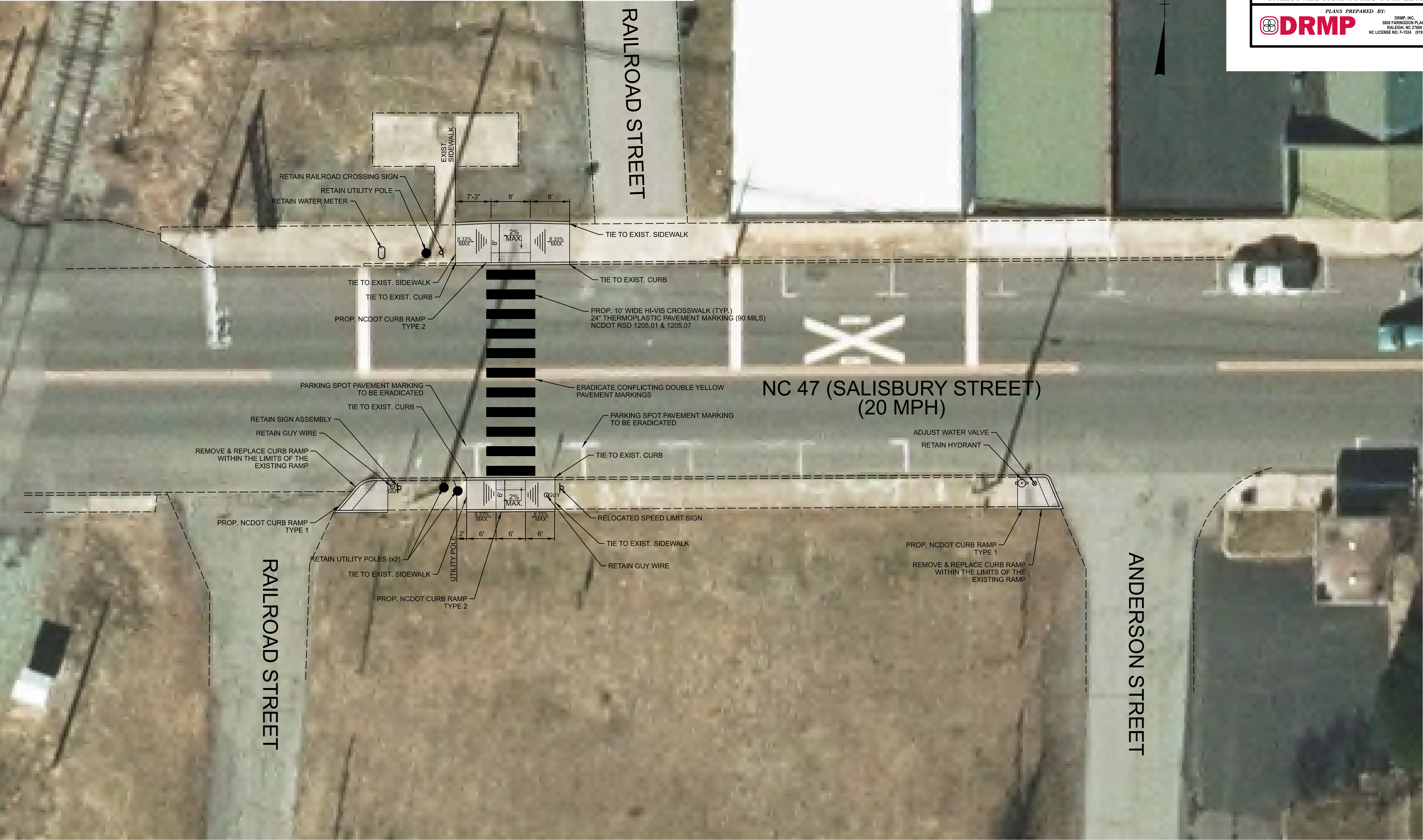


★ SIGNAL MODIFICATION

REVISIONS

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DON\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

- NOTE: 1. DRAWING WAS PREPARED USING THE LATEST AVAILABLE AERIAL PHOTOGRAPHY. ALL DIMENSIONS ARE BASED OFF OF FIELD MEASUREMENTS. CONTRACTOR RESPONSIBLE FOR PROPER DRAINAGE, GRADE TRANSITIONS, AND PROVIDING FLUSH TRANSITIONS. COORDINATE WITH ENGINEER AS NEEDED.
2. RAILROAD RIGHT OF WAY IS 50' FROM THE CENTER OF THE TRACK. CONTRACTOR SHALL STAY AT LEAST 50' AWAY FROM TRACKS AND SHALL NOT STORE ANY EQUIPMENT IN THE RAILROAD RIGHT OF WAY.



DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		6.7	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY: DRMP			
DRMP, INC. 5908 FAIRGROVE PLACE RALEIGH, NC 27608 NC LICENSE NO. P-1524 (919) 873-5115			

REVISIONS

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DON\$\$\$\$\$
\$\$\$\$\$USE ENVELOPE\$\$\$\$\$

REVISIONS

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DON\$\$\$\$\$
\$\$\$\$\$USE NAME\$\$\$\$\$

NOTE:

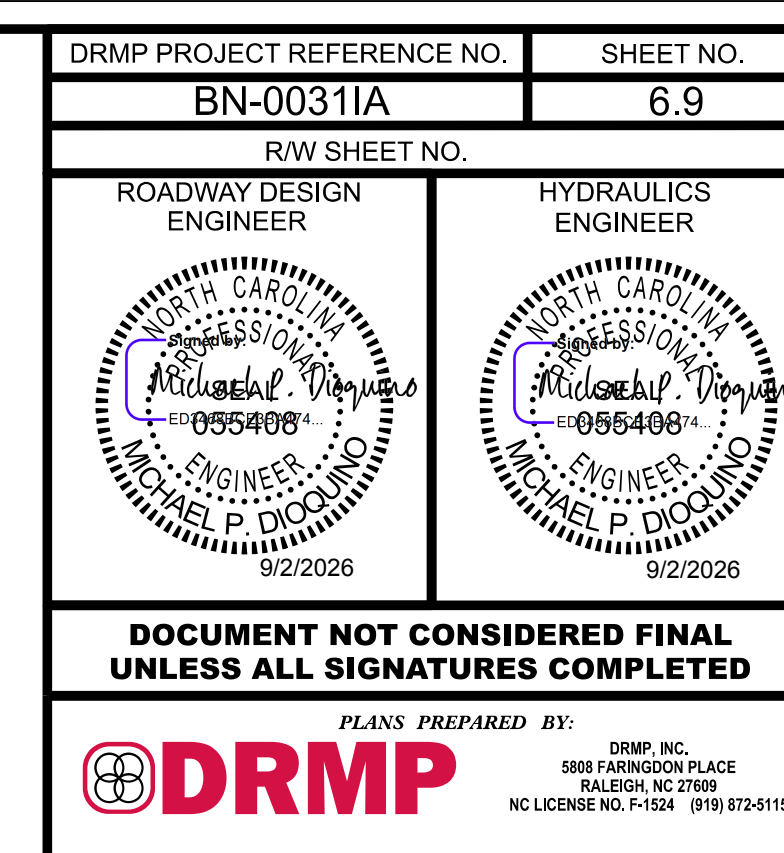
DRAWING WAS PREPARED USING THE LATEST AVAILABLE AERIAL PHOTOGRAPHY. ALL DIMENSIONS ARE BASED OFF OF FIELD MEASUREMENTS. CONTRACTOR RESPONSIBLE FOR PROPER DRAINAGE, GRADE TRANSITIONS, AND PROVIDING FLUSH TRANSITIONS. COORDINATE WITH ENGINEER AS NEEDED.



DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		6.8	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY: DRMP DRMP, INC. 5908 FARMINGTON PLACE RALEIGH, NC 27609 NC LICENSE NO. P-1524 (919) 873-5115			

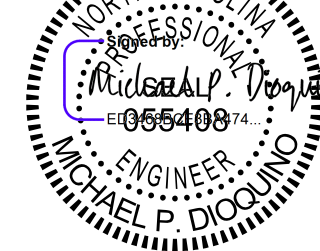
★ SIGNAL MODIFICATION

\$\$\$SYTIME\$\$\$
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\$\$\$USERNAME\$\$\$



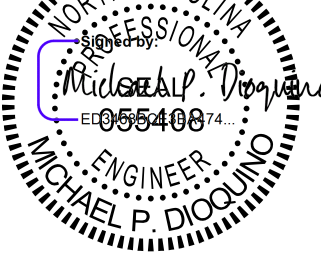
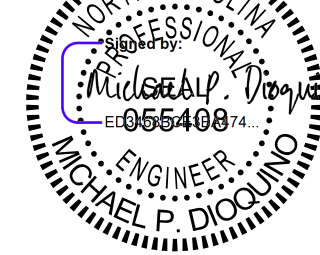
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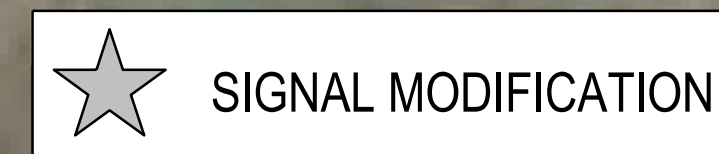
DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		6.10	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
9/2/2026		9/2/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY:  DRMP DRMP, INC. 5808 FARINGTON PLACE RALEIGH, NC 27609 NC LICENSE NO. PI-1524 (919) 872-5115			

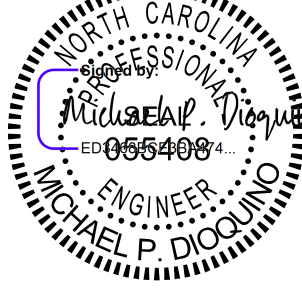
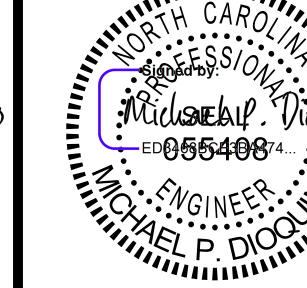
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DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		6.11	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
9/2/2026		9/2/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY:  DRMP DRMP, INC. 5808 FARRINGTON PLACE RALEIGH, NC 27609 NC LICENSE NO. F-1524 (919) 872-5115			

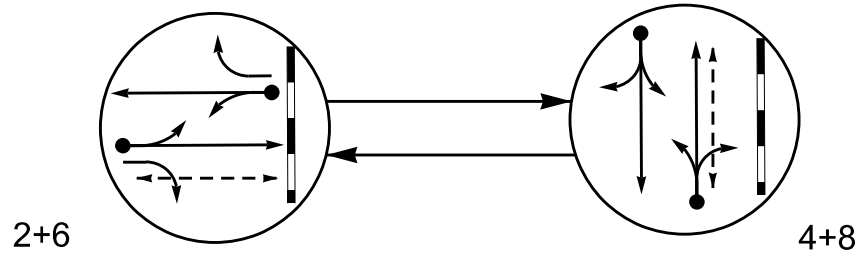
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\$USERNAME\$\$\$\$\$



DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		6.12	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
9/2/2026		9/2/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES ARE COMPLETED			
PLANS PREPARED BY:  DRMP 5808 FARWINDSON PLACE BALDWIN, NC 27008 NC LICENSE NO. F0524 (919) 872-5115			

PROJECT REFERENCE NO.	SHEET NO.
BN-00311A	Sig.1.0

PHASING DIAGRAM



PHASING DIAGRAM DETECTION LEGEND

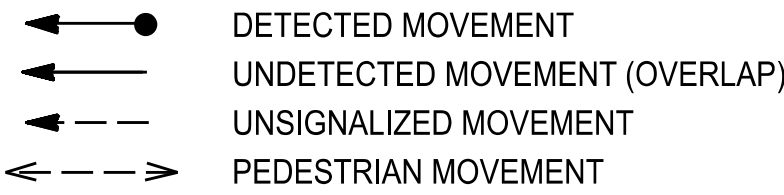
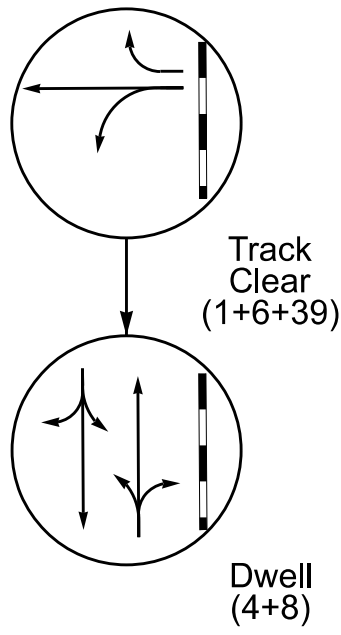


TABLE OF OPERATION

SIGNAL FACE	PHASE					
	2+6	4+8	REC. CLEAR	REC. YELLOW	REC. RED	FLASHER
21, 22	G	R	R	R	R	
41, 42	R	G	R	G	R	
61	G	R	G	R	R	
62	G	R	G	R	R	
63	F	R	F	R	R	
81, 82	R	G	R	G	R	
P21, P22	W	DW	DW	DW	DRK	
P81, P82	DW	W	DW	DW	DRK	

RAIL PREEMPT PHASES

(High Priority)



MAXTIME DETECTOR INSTALLATION CHART

DETECTOR					PROGRAMMING					
LOOP	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL DELAY DURING GREEN
2A	6X40	0	2-4-2	-	2	-	-	X	-	X
4A	6X40	0	2-4-2	-	4	5.0	-	X	-	X
6A	6X40	0	2-4-2	-	6	-	-	X	-	X
8A	6X40	0	2-4-2	-	8	5.0	-	X	-	X

2 Phase
Fully Actuated
With Railroad Preemption
(Isolated)

NOTES

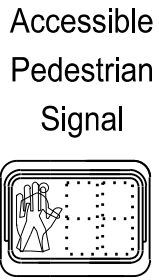
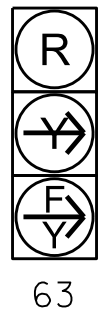
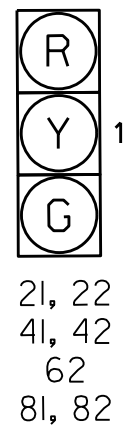
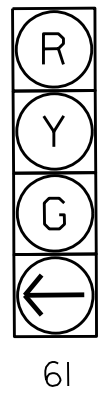
- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- This location contains railroad preempt phasing. Do not program signal for late night flashing operation. Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- This intersection features accessible pedestrian signals utilizing percussive tone walk indications and/or speech messages.
- Program phase 40 to run concurrently with all phases during normal operation. Phase 39 must be incompatible with phase 40 and included as a track clear phase.

ACCESSIBLE PEDESTRIAN SIGNAL OPERATION

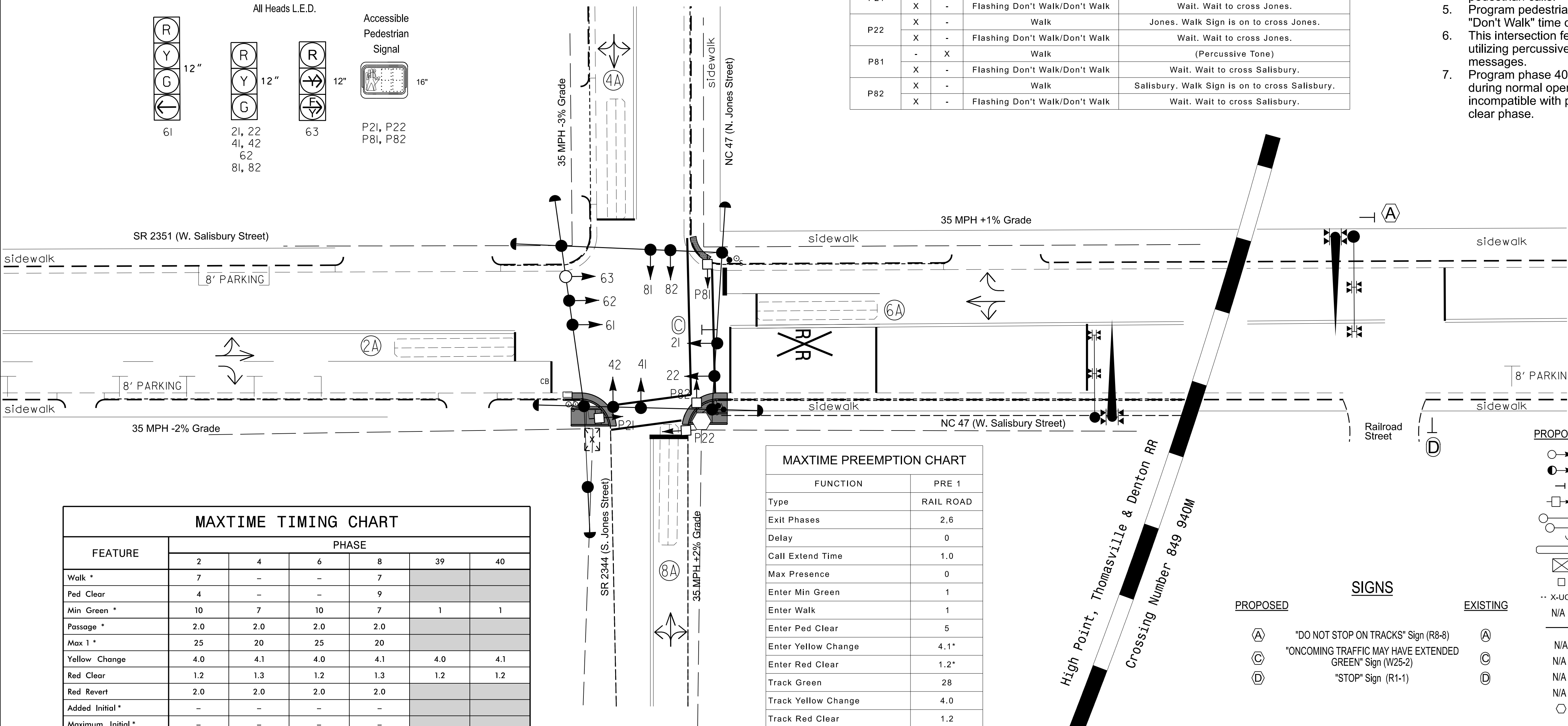
SIGNAL FACE	VOICE	TONES	INTERVAL	SPEECH MESSAGE
P21	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Jones.
P22	X	-	Walk	Jones. Walk Sign is on to cross Jones.
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Jones.
P81	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Salisbury.
P82	X	-	Walk	Salisbury. Walk Sign is on to cross Salisbury.
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Salisbury.

SIGNAL FACE I.D.

All Heads L.E.D.



P21, P22
P81, P82



MAXTIME TIMING CHART

FEATURE	PHASE					
	2	4	6	8	39	40
Walk *	7	-	-	7		
Ped Clear	4	-	-	9		
Min Green *	10	7	10	7	1	1
Passage *	2.0	2.0	2.0	2.0		
Max 1 *	25	20	25	20		
Yellow Change	4.0	4.1	4.0	4.1	4.0	4.1
Red Clear	1.2	1.3	1.2	1.3	1.2	1.2
Red Revert	2.0	2.0	2.0	2.0		
Added Initial *	-	-	-	-		
Maximum Initial *	-	-	-	-		
Time Before Reduction *	-	-	-	-		
Time To Reduce *	-	-	-	-		
Minimum Gap	-	-	-	-		
Advance Walk	4	-	-	7		
Non Lock Detector	-	X	-	X		
Vehicle Recall	MIN RECALL	-	MIN RECALL	-		MIN RECALL
Dual Entry	-	X	-	X		
Simultaneous Start **	X	X	X	X		

* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

** Program phases 2&6 and 4&8 for Simultaneous Start for LPI.

MAXTIME PREEMPTION CHART

FUNCTION	PRE 1
Type	RAIL ROAD
Exit Phases	2,6
Delay	0
Call Extend Time	1.0
Max Presence	0
Enter Min Green	1
Enter Walk	1
Enter Ped Clear	5
Enter Yellow Change	4.1*
Enter Red Clear	1.2*
Track Green	28
Track Yellow Change	4.0
Track Red Clear	1.2
Dwell Green	0
Exit Min Green	255*
Exit Yellow Change	25.5*
Exit Red Clear	25.5*
Exit Type	EXIT PHASES
Ped Clear Through Yellow	Y
Require All Red Entry	-

* Controller uses lesser of time shown and the normal time used for phase.

This signal was designed for simultaneous preemption.

LEGEND

PROPOSED	EXISTING

SIGNS

PROPOSED	EXISTING

Signal Upgrade

Prepared for the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

SCALE
0 20
1"=20'

NC 47/SR 2351 (W. Salisbury Street)
at
NC 47/SR 2344 (Jones Street)

Division 9 Davidson County Denton
PLAN DATE: May 2026 REVIEWED BY: R. Garrett
PREPARED BY: X. Han REVIEWED BY:
REVISIONS
INIT. DATE
SIGNED BY: *Xinsheng Han*
6/4/2026
DATE
SIG. INVENTORY NO. 09-0342

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
056268
XUDONG HAN

SIG. INVENTORY NO. 09-03

PREEMPTION PROGRAMMING

Front Panel
Main Menu >Controller >Preemption >Preempt Phasing/Preempt Parameters

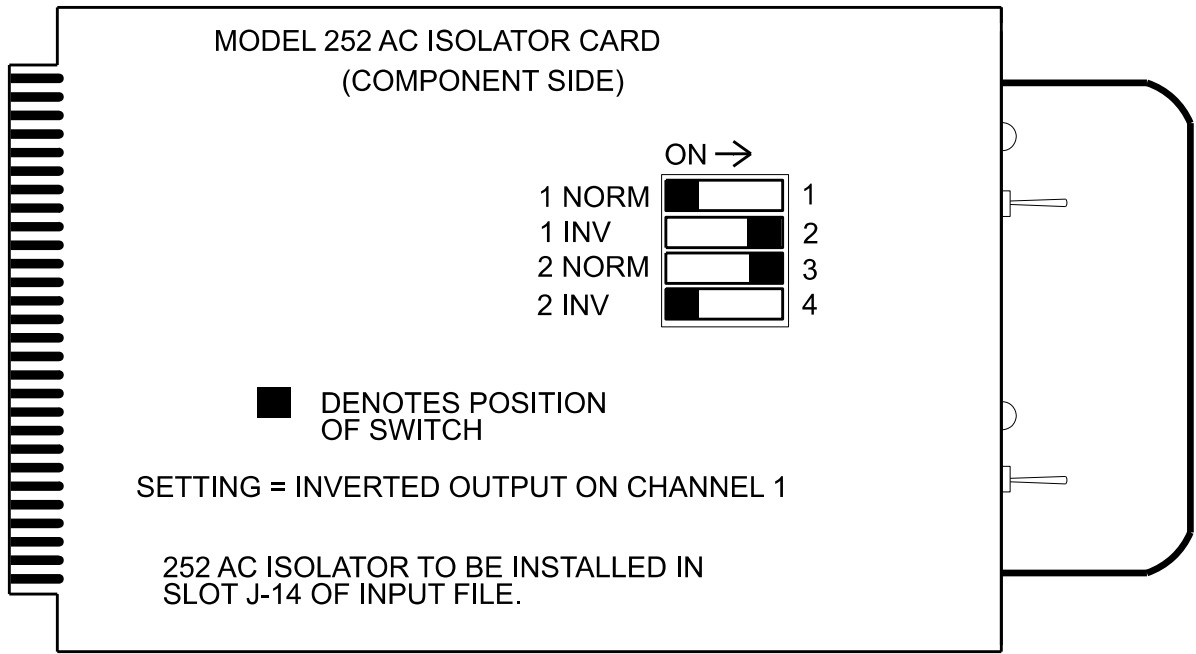
Web Interface
Home >Controller >Preempt Configuration >Preempts

Preempt Configuration

Preempt	1
Enabled	Enabled
Type	Rail Road
Track Phases	1,6,39
Track Overlaps	5
Dwell Phases	4,8
Dwell Peds	-
Dwell Overlaps	-
Cycling Phases	-
Cycling Peds	-
Cycling Overlaps	-
Exit Phases	2,6
Exit Overlaps	5
Delay	0
Call Ext Time	1.0
Max Presence	0
Max Pres Act	Terminate
Enter Min Green	1
Enter Walk	1
Enter Ped Clear	5
Enter Yellow Change	4.1
Enter Red Clear	1.2
Track Green	28
Track Yellow Change	4.0
Track Red Clear	1.2
Dwell Green	0
Exit Min Green	255
Exit Yellow Change	25.5
Exit Red Clear	25.5
Exit Type	Exit Phases
Non Locking Memory	-
Not Ovrd Flash	X
Not Ovrd Nxt Pre	-
Require All Red Entry	-
Track Clear Ovrd	X
Ped Clear During Yellow	Y
Entry Omit OLTG	X
Track Reserve	-

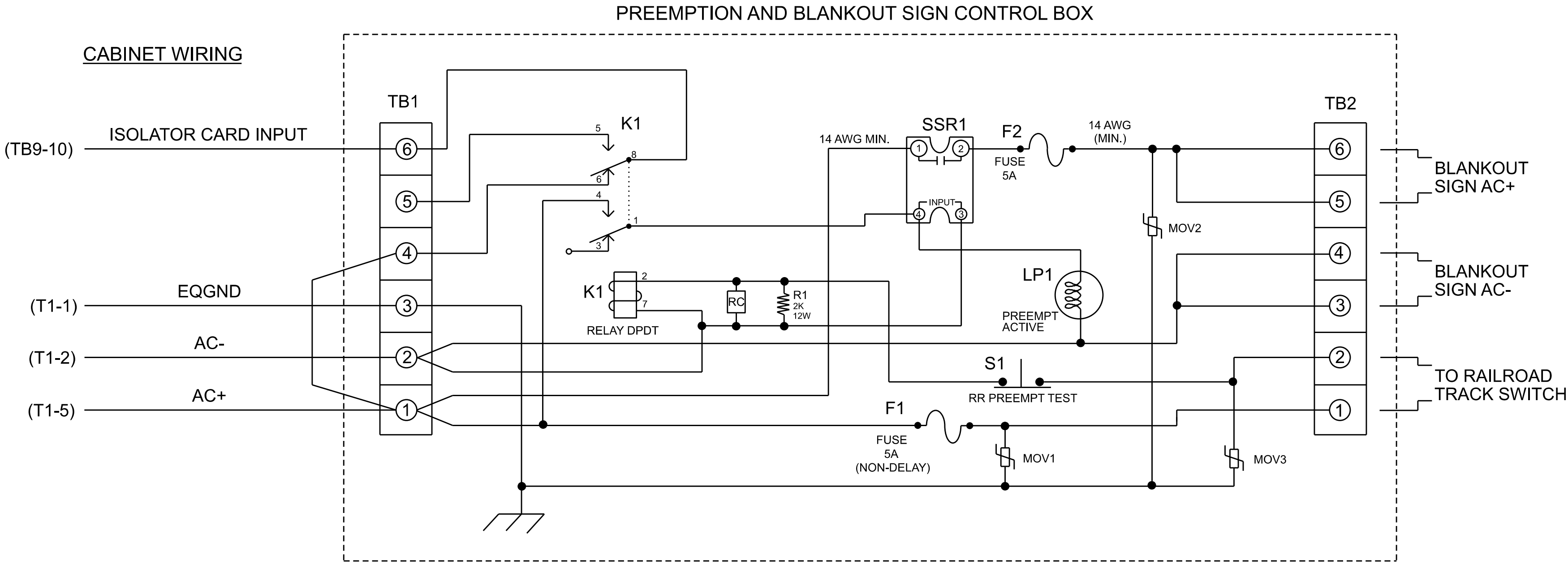
PREEMPT 1 AC ISOLATOR (MODEL 252)
OUTPUT PROGRAMMING DETAIL

(set DIP switches as shown below)



RAILROAD PREEMPTION WIRING DETAIL

(wire as shown below)

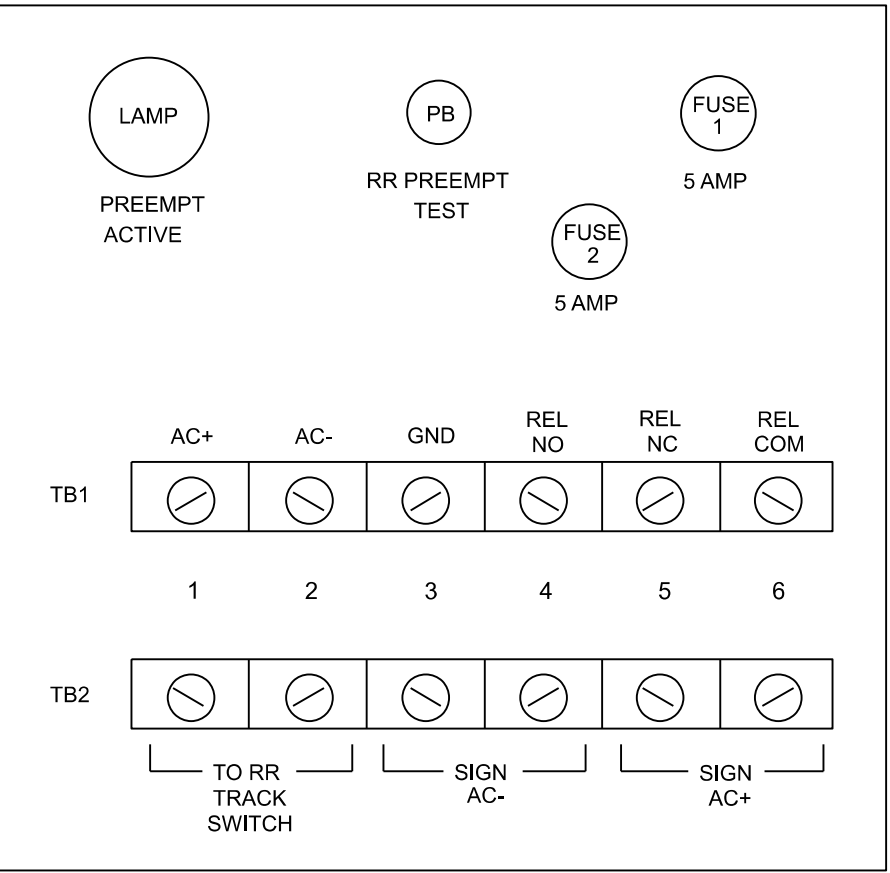


NOTES

- Relay K1 is shown in the energized (Preempt not active) normal operation state.
- Relay K1 is a DPDT with 120VAC coil with octal base.
- Relay SSR1 is a SPST (normally open) Solid State Relay with AC input and AC (25 amp) output.
- AC Isolator Card shall activate preemption upon removal of AC+ from the input (as shown above). To accomplish this set invert dip switch on AC Isolator Card.

5. IMPORTANT!! A jumper must be added between input file terminals J14-E and J14-K if not already present. Also, terminal TB9-12 (on input panel) shall be connected to AC neutral (jumper may have to be added).

FRONT VIEW

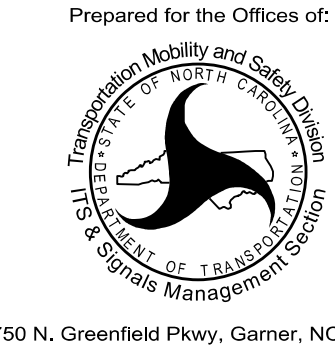


Electrical Detail - Sheet 3 of 3

Electrical and Programming Details For:		NC 47/SR 2351 (W. Salisbury Street) at NC 47/SR 2344 (Jones Street)		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared for the Offices of:		Division 9 Davidson County Denton		SEAL	
PLAN DATE: May 2026		REVIEWED BY: J O Deaton		NORTH CAROLINA PROFESSIONAL SEAL 07438	
PREPARED BY: M W Yalch		REVIEWED BY:		ENGINEER JAMES O. DEATON	
REVISIONS		INIT.		DATE	
750 N. Greenfield Pkwy, Garner, NC 27529				James O. Deaton 6/4/2026	
				DATE	
				SIG. INVENTORY NO. 09-0342	

THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 09-0342
DESIGNED: May 2026
SEALED: 06/04/2026
REVISED: N/A

AECOM
NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200, Raleigh, NC 27607
Phone: 919-461-1100

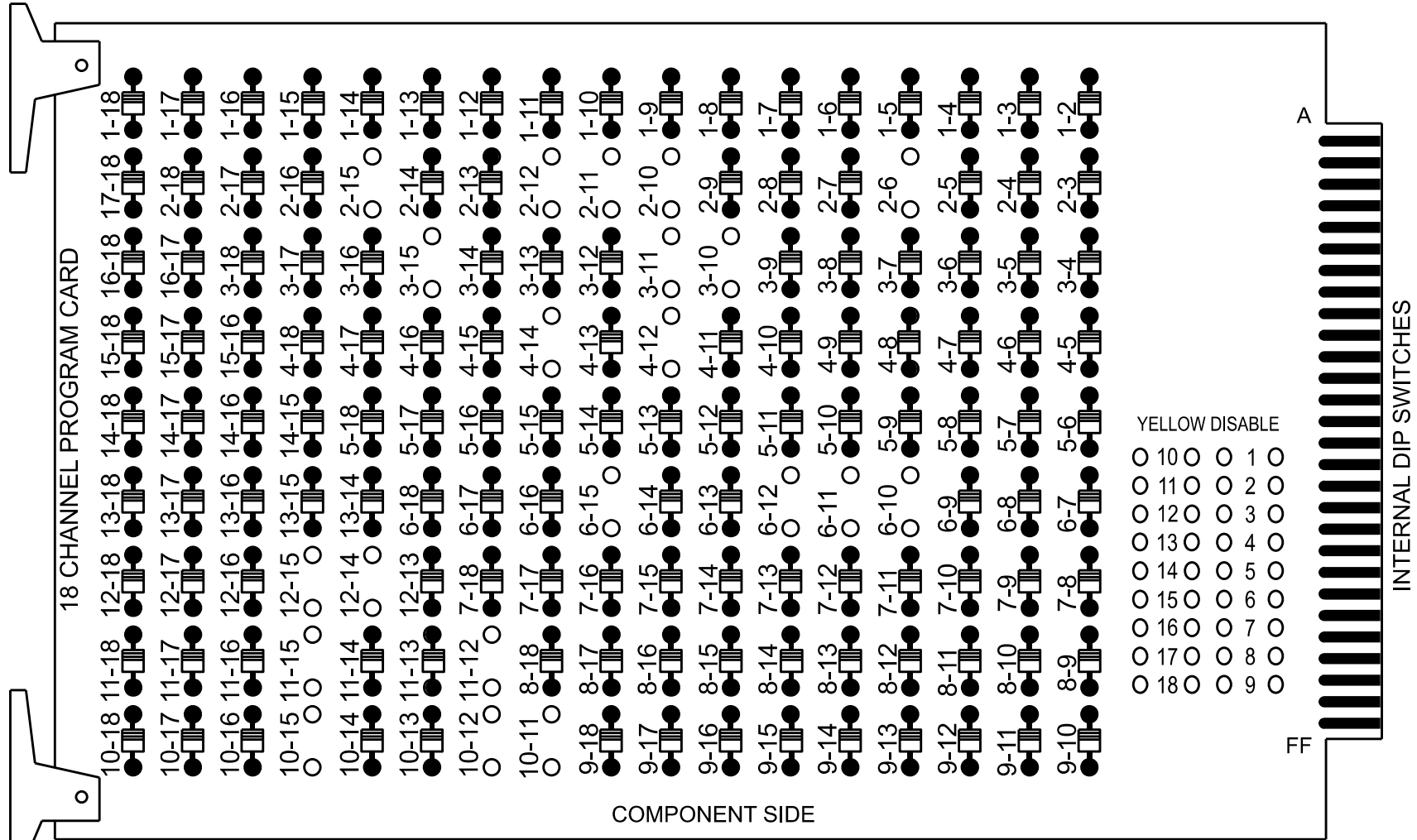


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HONG

18 CHANNEL CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

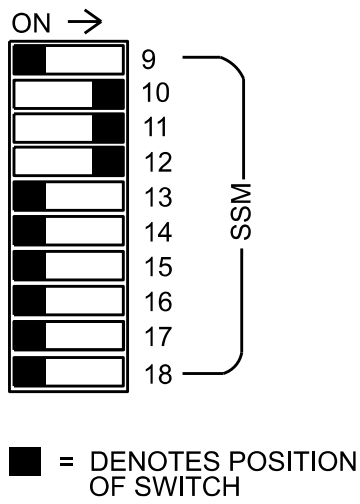
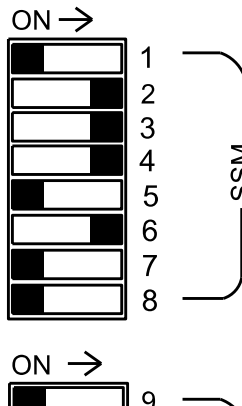
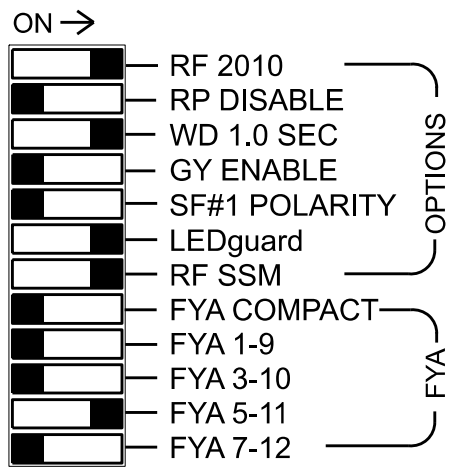
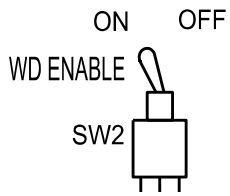
REMOVE DIODE JUMPERS 2-6, 2-10, 2-11, 2-12, 2-15, 3-10, 3-11, 3-15, 4-12, 4-14, 6-10, 6-11, 6-12, 6-15, 10-11, 10-12, 10-15, 11-12, 11-15, 12-14 AND 12-15.



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that the Red Enable is active at all times during normal operation.
- Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



■ = DENOTES POSITION OF SWITCH

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.
- Program controller to start up in phase 2 Green No Walk and phase 6 Green No Walk.

EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S2, S4, S5, S6, S8, S9, AUX S2, AUX S4, AUX S5
Phases Used.....2, 3, 4, 4PED 6, 6PED
Overlap "1".....NOT USED
Overlap "2".....*
Overlap "3".....*
Overlap "4".....*

*See overlap programming detail on sheet 2.

SIGNAL HEAD HOOK-UP CHART

Fig. 3.1

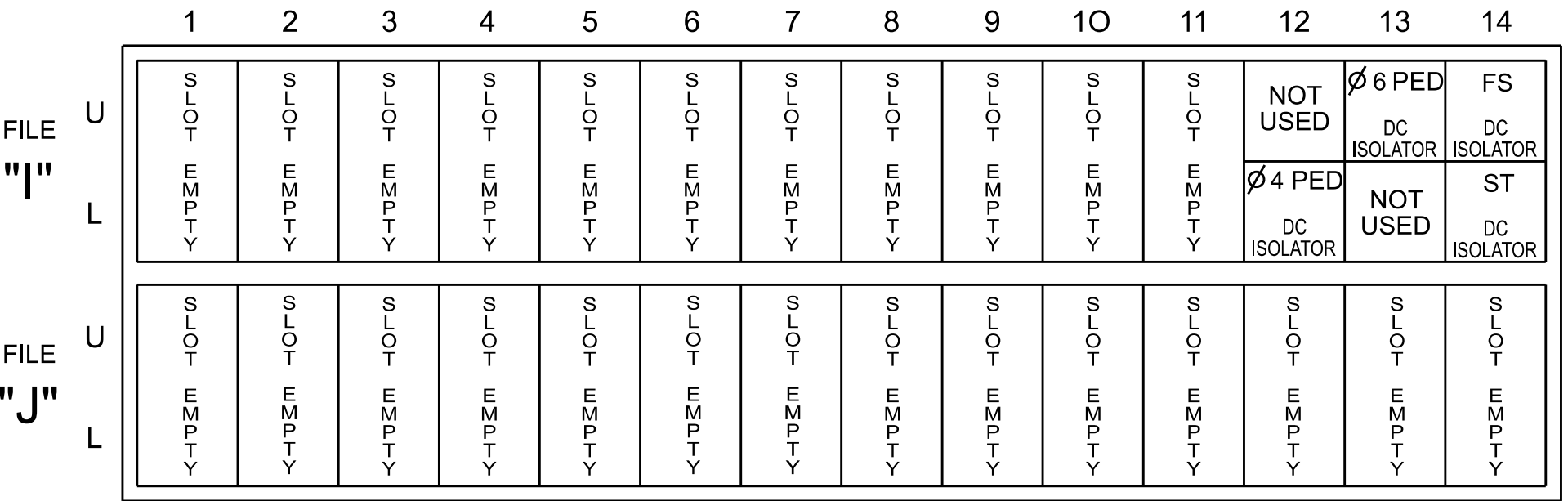
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	NU	22,23	NU	31,32	41,42	P41, P42	NU	61,62	P61, P62	NU	NU	NU	NU	63,64	NU	21	24,25	NU
RED		128		116	101			134						A124			A101	
YELLOW		129		117	102			135						A125			A102	
GREEN		130		118	103			136						A126			A103	
RED ARROW																A114		
YELLOW ARROW																A115		
FLASHING YELLOW ARROW																A116		
GREEN ARROW																		
Hand icon						104			119									
Walking person icon						106			121									

NU = Not Used

★See pictorial of head wiring in detail this sheet.

INPUT FILE POSITION LAYOUT

(front view)



INPUT FILE CONNECTION & PROGRAMMING CHART

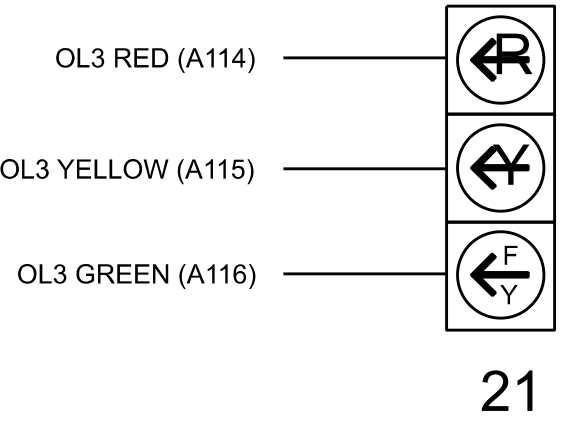
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
PED PUSH BUTTONS												
P41,P42	TB8-5,6	I12L	69	35	4	PED 4						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						

NOTE:
INSTALL DC ISOLATORS
IN INPUT FILE SLOTS
I12 AND I13.

INPUT FILE POSITION LEGEND: J2L
FILE J
SLOT 2
LOWER

FYA SIGNAL WIRING DETAIL

(wire signal head as shown)



COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-0341
DESIGNED: May 2026
SEALED: 06/04/2026
REVISED: N/A

AECOM
NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200, Raleigh, NC 27607
Phone: 919-461-1100

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For:
Prepared for the Offices of:
750 N. Greenfield Pkwy, Garner, NC 27529

NC 47 / SR 2351 (Salisbury Street)
at
SR 2414-2501 (Main Street)
Division 9
Davidson County
Denton
PLAN DATE: May 2026
REVIEWED BY: J O Deaton
PREPARED BY: M W Yalch
REVIEWED BY:
REVISIONS
INIT.
DATE
James O. Deaton
06/05/2026
OFFBACK308405F...
DATE
SIG. INVENTORY NO. 09-0341

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
SEAL
NORTH CAROLINA PROFESSIONAL SEAL 07438
ENGINEER JAMES O. DEATON
James O. Deaton
06/05/2026
OFFBACK308405F...
DATE
SIG. INVENTORY NO. 09-0341

8-JUL-2026 1:05:00
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HONG

MAXTIME STARTUP AND SOFTWARE FLASH
PROGRAMMING DETAIL

Front Panel
Main Menu >Controller >Unit

Web Interface
Home >Controller >Unit

Modify parameters as shown below and save changes.

Start Up Parameters	Unit Flash Parameters
StartUp Clearance Hold	All Red Flash Exit Time
6	6

OVERLAP PROGRAMMING

Front Panel
Main Menu >Controller >Overlap >Overlap Parameters/Overlap Timings

Web Interface
Home >Controller >Overlap Configuration >Overlaps

Overlap Plan 1

Overlap	1	2	3	4
Type	Off	Normal	FYA 4 - Section	Normal
Included Phases	-	3,6	3,6	2,4
Modifier Phases	-	-	-	-
Modifier Overlaps	-	-	-	-
Trail Green	0	0	0	0
Trail Yellow	0.0	0.0	0.0	0.0
Trail Red	0.0	0.0	0.0	0.0

OUTPUT CHANNEL CONFIGURATION

Front Panel
Main Menu >Controller >More>Channels>Channels Config

Web Interface
Home >Controller >Advanced IO>Channels>Channel Configuration

Channel Configuration

Channel	Control Type	Control Source	Flash Yellow	Flash Red	Flash Alt	MMU Channel
1	Phase Vehicle	1		X	X	1
2	Phase Vehicle	2		X		2
3	Phase Vehicle	3		X	X	3
4	Phase Vehicle	4		X		4
5	Phase Vehicle	5		X		5
6	Phase Vehicle	6		X	X	6
7	Phase Vehicle	7		X		7
8	Phase Vehicle	8		X	X	8
9	Overlap	1		X	X	9
10	Overlap	2		X	X	10
11	Overlap	3		X		11
12	Overlap	4		X		12
13	Phase Ped	2				13
14	Phase Ped	4				14
15	Phase Ped	6				15
16	Phase Ped	8				16
17	Overlap	5		X	X	17
18	Overlap	6		X		18

ACCESSIBLE PEDESTRIAN SIGNAL (APS)
INSTALLATION NOTES

1. Install push buttons and APS equipment per manufacturer's instructions.
2. Provide a dedicated cable to each push button per manufacturer's instructions.
3. If APS equipment is mounted in cabinet, use filtered power (i.e., Controller Receptacle) to power APS equipment. Do not use Equipment Receptacle, which is a GFCI outlet.
4. Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation or unless explicitly allowed by the manufacturer.
5. Place manufacturer's instructions in cabinet with cabinet prints, signal plans, and electrical details.
6. An APS push button station that is designed to work without the need for interfacing with a pedestrian signal head shall be installed for applications where a push button is installed in a median without a pedestrian signal head.
7. A push button with a single tactile arrow that points in both directions of travel shall be installed if the median separates two parallel crosswalks.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-0341
DESIGNED: May 2026
SEALED: 06/04/2026
REVISED: N/A

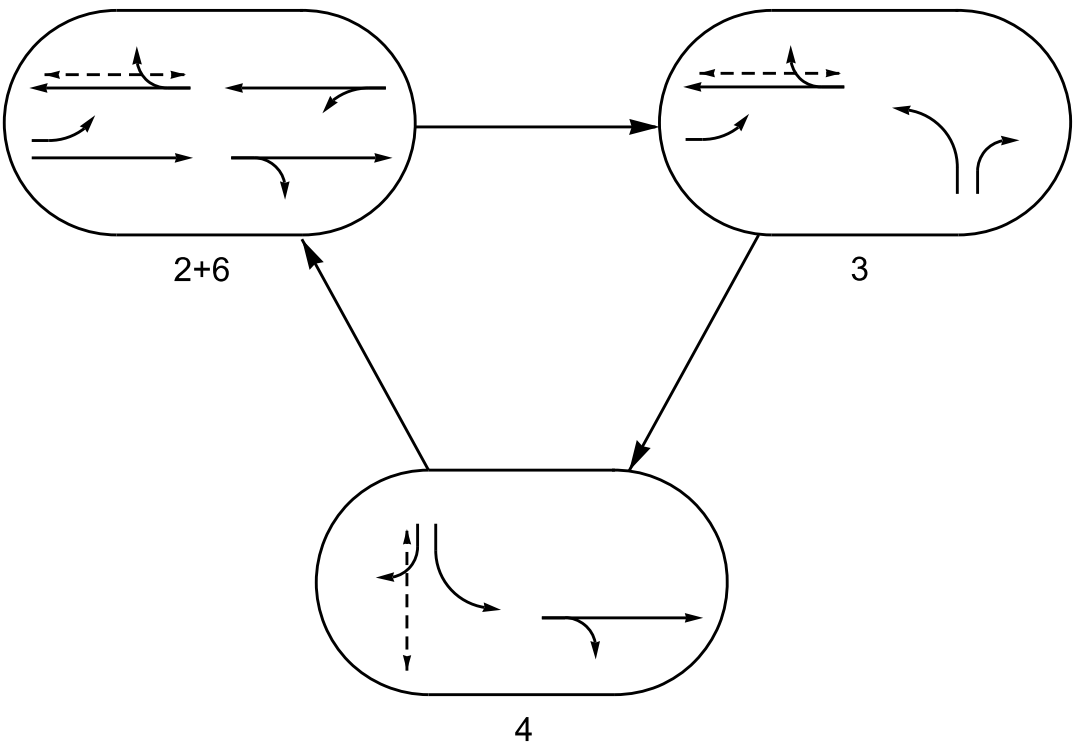
AECOM
NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200, Raleigh, NC 27607
Phone: 919-461-1100

Electrical Detail - Sheet 2 of 2

Electrical and Programming Details For:		NC 47 / SR 2351 (Salisbury Street) at SR 2414-2501 (Main Street)		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared for the Offices of:		Division 9 Davidson County Denton		SEAL NORTH CAROLINA PROFESSIONAL SEAL 07438 ENGINEER JAMES O. DENTON	
750 N. Greenfield Pkwy, Garner, NC 27529		PLAN DATE: May 2026 REVIEWED BY: J O Deaton		Decommissioned by: James O. Denton 06/05/2026	
		PREPARED BY: M W Yalch REVIEWED BY:		DATE	
		REVISIONS		INIT. DATE	
				SIG. INVENTORY NO. 09-0341	

PROJECT REFERENCE NO.	SHEET NO.
BN-00311A	Sig 2.0

PHASING DIAGRAM

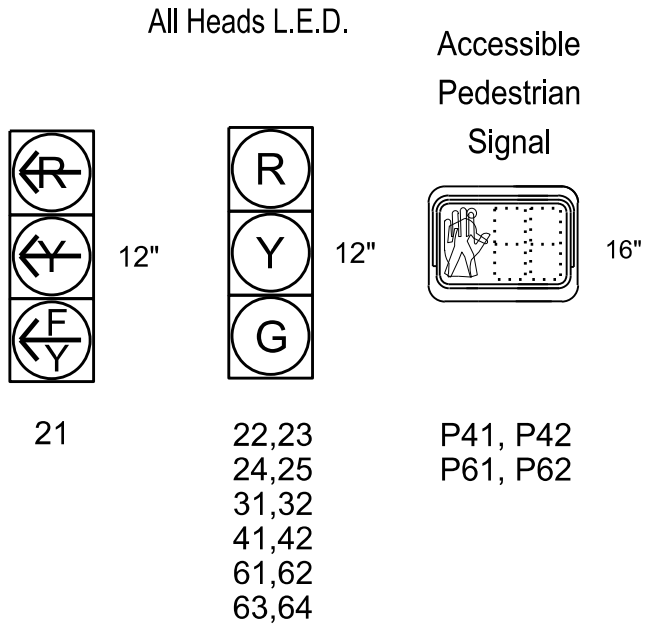


PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION				
SIGNAL FACE	2 + 6	3	4	FLASH
	21	22,23	24,25	31,32
21	F	F	R	R
22,23	G	R	R	R
24,25	G	R	G	R
31,32	R	G	R	R
41,42	R	R	G	R
61,62	G	R	R	R
63,64	G	G	R	R
P41, P42	DW	DW	W	DRK
P61, P62	W	W	DW	DRK

SIGNAL FACE I.D.

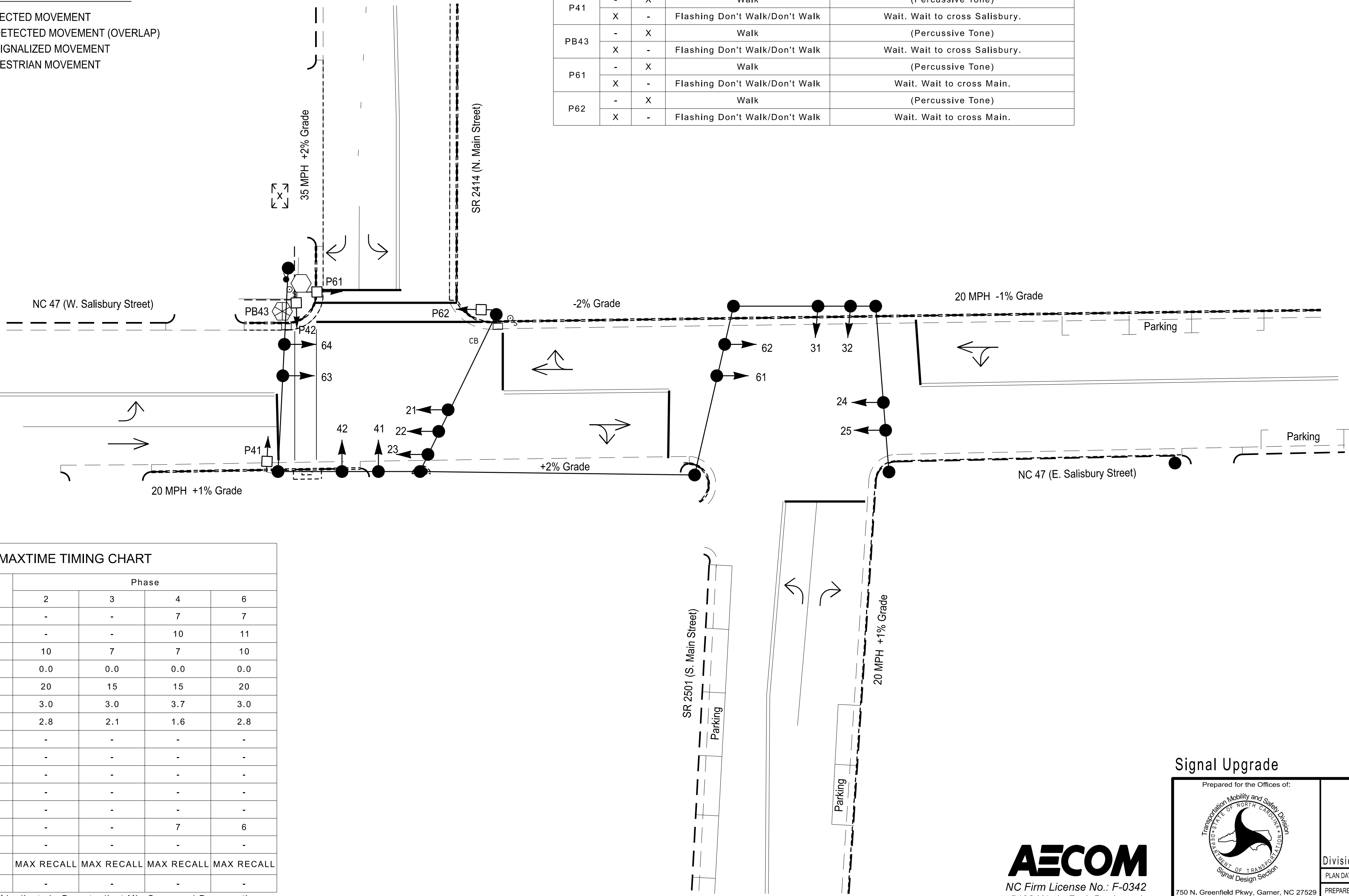


3 Phase
Pre-Timed
Isolated

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- This intersection features accessible pedestrian signals utilizing percussive tone walk indications and/or speech messages.

ACCESSIBLE PEDESTRIAN SIGNAL OPERATION				
SIGNAL FACE	VOICE	TONES	INTERVAL	SPEECH MESSAGE
P41	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Salisbury.
PB43	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Salisbury.
P61	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Main.
P62	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Main.



MAXTIME TIMING CHART				
FEATURE	Phase			
	2	3	4	6
Walk *	-	-	7	7
Ped Clear	-	-	10	11
Min Green *	10	7	7	10
Passage *	0.0	0.0	0.0	0.0
Max 1 *	20	15	15	20
Yellow Change	3.0	3.0	3.7	3.0
Red Clear	2.8	2.1	1.6	2.8
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Advance Walk	-	-	7	6
Non Lock Detector	-	-	-	-
Vehicle Recall	MAX RECALL	MAX RECALL	MAX RECALL	MAX RECALL
Dual Entry	-	-	-	-

* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND	
PROPOSED	EXISTING

Signal Upgrade

Prepared for the Offices of:

750 N. Greenfield Pkwy, Garner, NC 27529

NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200 Raleigh, NC 27607
Phone: 919-461-1100

Transportation Mobility and Safety Division

DEPARTMENT OF TRANSPORTATION

SIGNAL DESIGN SECTION

0

20

1"= 20'

NC 47/SR 2351 (Sailsbury Street)
at
SR 2414-2501 (Main Street)

Division 9Davidson CountyDenton

PLAN DATE: May 2026REVIEWED BY: R. Garrett

PREPARED BY: X. HanREVIEWED BY:

REVISIONSINIT. DATE

SIG. INVENTORY NO. 09-0341

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

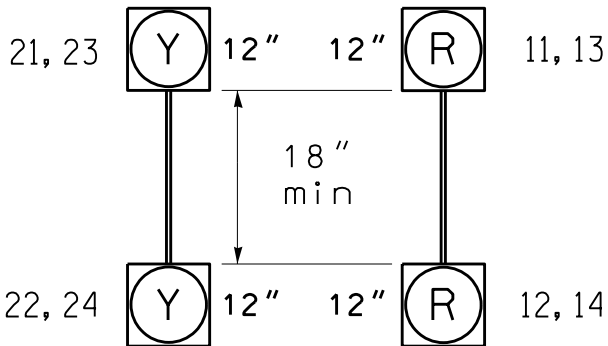
SEAL
THURPH CAROLINA
PROFESSIONAL
SEAL
056268
ENGINEER
YIUDONG HAN

Signed by: *Xinlong Han*
578ED7653614AD2...
DATE: 6/5/2026

TABLE OF OPERATION		
SIGNAL FACE	INTERVAL	
	1	2
11, 13	ON	OFF
12, 14	OFF	ON
21, 23	ON	OFF
22, 24	OFF	ON

SIGNAL FACE I.D.

All Heads L.E.D.



2 Circuit
Nonactuated Flasher

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Flash all beacons continuously.
- See Roadway Design Plans for crosswalk and curbramp locations.

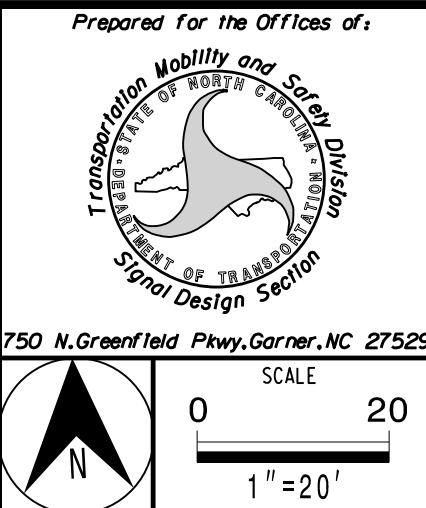
LEGEND

PROPOSED		EXISTING
	Traffic Signal Head	
	Modified Signal Head	N/A
	Sign	
	Pedestrian Signal Head	
	Signal Pole with Push Button & Sign	
	Signal Pole with Guy	
	Signal Pole with Sidewalk Guy	
	Inductive Loop Detector	
	Controller & Cabinet	
	Junction Box	
	2-in Underground Conduit	
N/A	Right of Way	
	Directional Arrow	
N/A	Fire Hydrant	
	"STOP" Sign (R1-1)	

Signal Upgrade



NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200 Raleigh, NC 27607
Phone: 919-461-1100



SR 2501 (Main Street)
at
SR 1002/SR 2511 (Peacock Ave.)

Division 9 Davidson County Denton

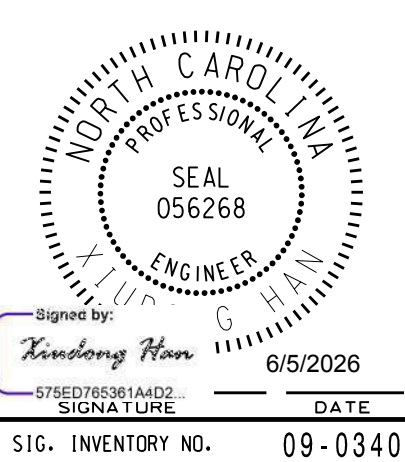
PLAN DATE: May 2026 REVIEWED BY: R. Garrett

PREPARED BY: X. Han REVIEWED BY:

REVISIONS	INIT.	DATE

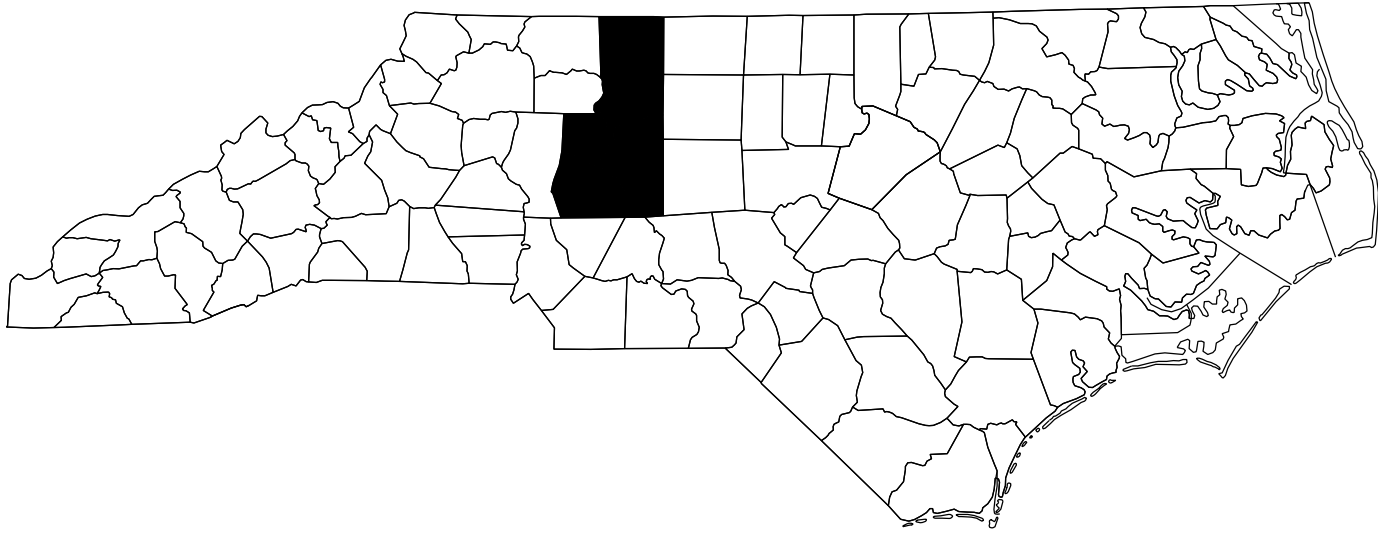
DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL



SIG. INVENTORY NO. 09-0340

CONTRACT: TIP PROJECT: BN-0031IA



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DIVISIONWIDE

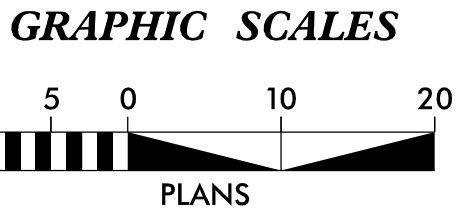
LOCATION: VARIOUS LOCATIONS IN DIVISION 9 WITH POPULATIONS OVER 5,000 AND LESS THAN 50,000. PEDESTRIAN SAFETY IMPROVEMENTS

TYPE OF WORK: CURB RAMP INSTALLATIONS



STATE	STATE PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS
N.C.	BN-0031IA		1	
STATE PROJ. NO.		F.A. PROJ. NO.	DESCRIPTION	
52073.09.7		TAPE009	PE	
52073.09.302		TA09301	CONST.	

PART 2 OF 3



NCDOT CONTACT: MATT W. JONES, PE
DIVISION PROJECT DEVELOPMENT ENGINEER
PH: 336-747-7800



DRMP, INC.
5808 FARINGDON PLACE
RALEIGH, NC 27609
NC LICENSE NO. F-1524 (919) 872-5115

2024 STANDARD SPECIFICATIONS

LETTING DATE:
OCTOBER 14, 2026

MICHEAL P. DIOQUINO, PE
PROJECT ENGINEER

SYDNEY HOLLIDAY, PE
RYAN J. NESBITT, EI
PROJECT DESIGN ENGINEERS

HYDRAULICS ENGINEER

9/16/2026

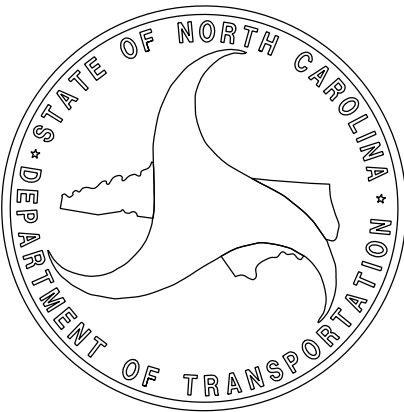
Signed by: Michael Dioquino
SIGNATURE:



ROADWAY DESIGN ENGINEER

9/16/2026

Signed by: Michael Dioquino
SIGNATURE:



PROJECT REFERENCE NO.	SHEET NO.
BN-00311A	1A

INDEX OF SHEETS, GENERAL NOTES AND 2024 ROADWAY ENGLISH STANDARD DRAWINGS

INDEX OF SHEETS

1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
<u>MOCKSVILLE</u> SUMMARY 1	SUMMARY OF QUANTITIES
1.1	MOCKSVILLE INSETS
1.2	MOCKSVILLE PLAN SHEET
RRFB-1 THRU RRFB-2	RRFB SIGNAL PLANS

GENERAL NOTES

2024 SPECIFICATIONS

EFF. 01-16-2024

GRADING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED OR FUTURE SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

STREET TURNOUT:

STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII NOTED ON PLANS.

UTILITIES

CONTRACTOR TO ADJUST ALL UTILITY BOXES ALONG CORRIDOR AND COORDINATE WITH UTILITY OWNERS FOR ADJUSTMENT TO BE MADE DURING CONSTRUCTION. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES BEFORE BEGINNING WORK AND COORDINATE WITH UTILITY OWNERS PRIOR TO ADJUSTING OR RELOCATING ANY UTILITIES. CONTRACTOR TO ADJUST ALL WATER VALVES AND SEWER MANHOLES WITHIN CONSTRUCTION LIMITS. CONTRACTOR SHALL CONTACT APPROPRIATE UTILITY OWNER IMMEDIATELY OF ANY DAMAGE TO EXISTING UTILITY LINES TO REMAIN IN PLACE.

CURB RAMPS:

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS IN ACCORDANCE WITH STD. 848.06.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. 08-11-2025
REV. 11-26-2025

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" CONTRACTS STANDARDS AND DEVELOPMENT UNIT – N.C. DEPARTMENT OF TRANSPORTATION – RALEIGH, N.C., DATED JANUARY 16, 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
DIVISION 2 – EARTHWORK	
200.02	METHOD OF CLEARING – METHOD II
DIVISION 6 – ASPHALT BASES AND PAVEMENTS	
654.01	PAVEMENT REPAIRS
DIVISION 8 – INCIDENTALS	
846.01	CONCRETE CURB, GUTTER, AND CURB & GUTTER
848.06	CURB RAMP
DIVISION 12 – PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	PAVEMENT MARKINGS – LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS – TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS – INTERSECTIONS
1205.07	PAVEMENT MARKINGS – PEDESTRIAN CROSSWALKS

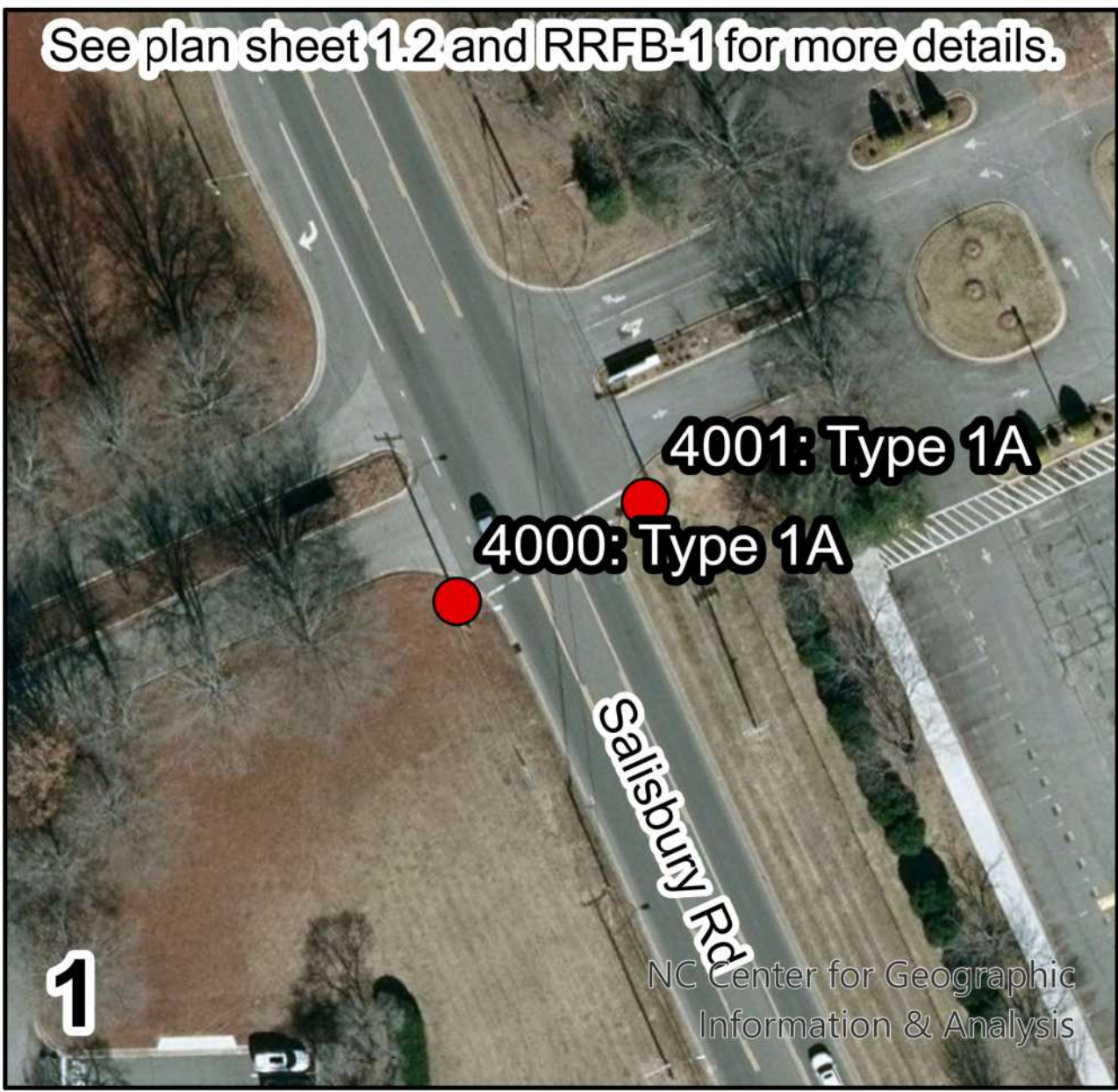
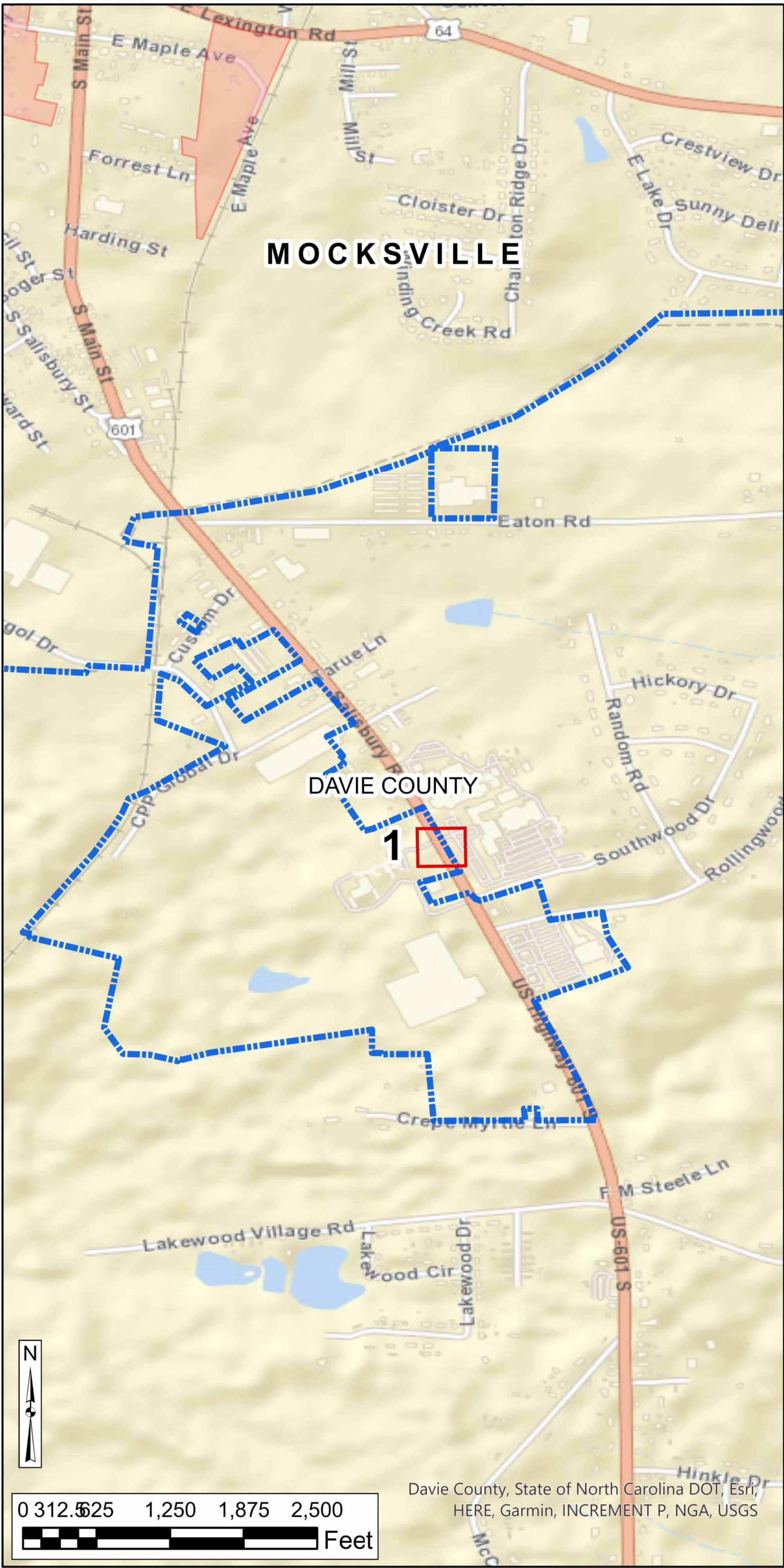
STD. NO.	TITLE
DIVISION 11 – WORK ZONE TRAFFIC CONTROL	
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURE
1101.04	TEMPORARY SHOULDER CLOSURE
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1145.01	BARRICADES – TYPE III
DIVISION 16 – EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1605.01	TEMPORARY SILT FENCE
1632.03	ROCK INLET SEDIMENT TRAP TYPE C
1633.01	TEMPORARY SILT CHECK TYPE A
1636.01	WATTLE CHECK

THESE QUANTITIES DO NOT INCLUDE SIGNAL AND RRFB QUANTITIES.

SUMMARY OF QUANTITIES - DIVISION 9

Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	2549000000-E	Remove Curb & Gutter LF	2591000000-E	Sidewalk Remove & Replace SY	Sidewalk Removal SY	2845000000-N	2830000000-N	2800000000-N	7648000000-N	5882000000-E		Dome Style/Color	2600000000-N	2613000000-N	2605000000-N	0000915000-N	Ramp Type
							2'-6" Concrete Curb & Gutter LF		4" Concrete Sidewalk SY			Adjust Valve / Meter EA	Adjust Manhole EA	Adjust Catch Basin EA	Relocate Sign EA	Adjust Utility Box EA	Adjust Guy Wire EA		Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA	
4000	1	1	Davie	Mocksville	US 601 (Salisbury Road)	DDCC		15										Black			1		Type 1A
4001	1	1	Davie	Mocksville	US 601 (Salisbury Road)	DDCC		15										Black			1		Type 1A
TOTALS:							0	30	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
							2549000000-E		2591000000-E			2845000000-N	2830000000-N		7648000000-N	5882000000-E			2600000000-N	2613000000-N	2605000000-N	0000915000-N	
							2'-6" Concrete Curb & Gutter LF		4" Concrete Sidewalk SY			Adjust Valve / Meter EA	Adjust Manhole EA		Relocate Sign EA	Adjust Utility Box EA			Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA	

Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	4709000000-E	4850000000-E	4860000000-E
							Thermoplastic Pavement Marking Lines (24", 90 MILS) LF	Removal of Pavement Marking Lines (4") LF	Removal of Pavement Marking Lines (8") LF
4000	7	1	Davie	Mocksville	US 601 (Salisbury Road)	DDCC	80	30	95
TOTALS:							80	30	95
							4709000000-E	4850000000-E	4860000000-E
							Thermoplastic Pavement Marking Lines (24", 90 MILS) LF	Removal of Pavement Marking Lines (4") LF	Removal of Pavement Marking Lines (8") LF



LEGEND

ADA RAMP IMPROVEMENT LOCATION

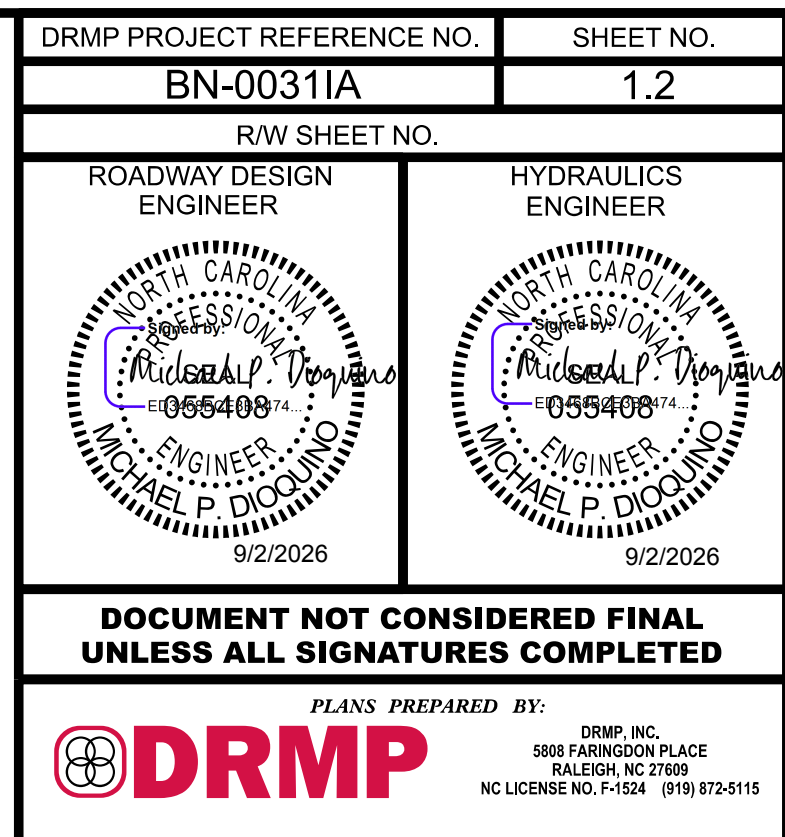
- MISSING
- NOT COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

0 50 100 150 Ft

N

	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
	DRMP, INC
DIVISION 9 INTERSECTION ADA IMPROVEMENTS 5,000 - 50,000 POPULATION DAVIE COUNTY STIP PROJECT BN-00311A	
MAP 1.1	

\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DCN\$\$\$\$\$
 \$\$\$USERNAMF\$\$\$\$\$



Standard Drawing for Rectangular Rapid Flashing Beacon	<i>Prepared in the Offices of:</i>  750 N. Greenfield Parkway Garner, NC 27529
--	---

Two to Four Lanes, Undivided



Timing of RRFBs

When actuated, the two yellow indications in each RRFB unit shall flash in a rapidly flashing sequence.

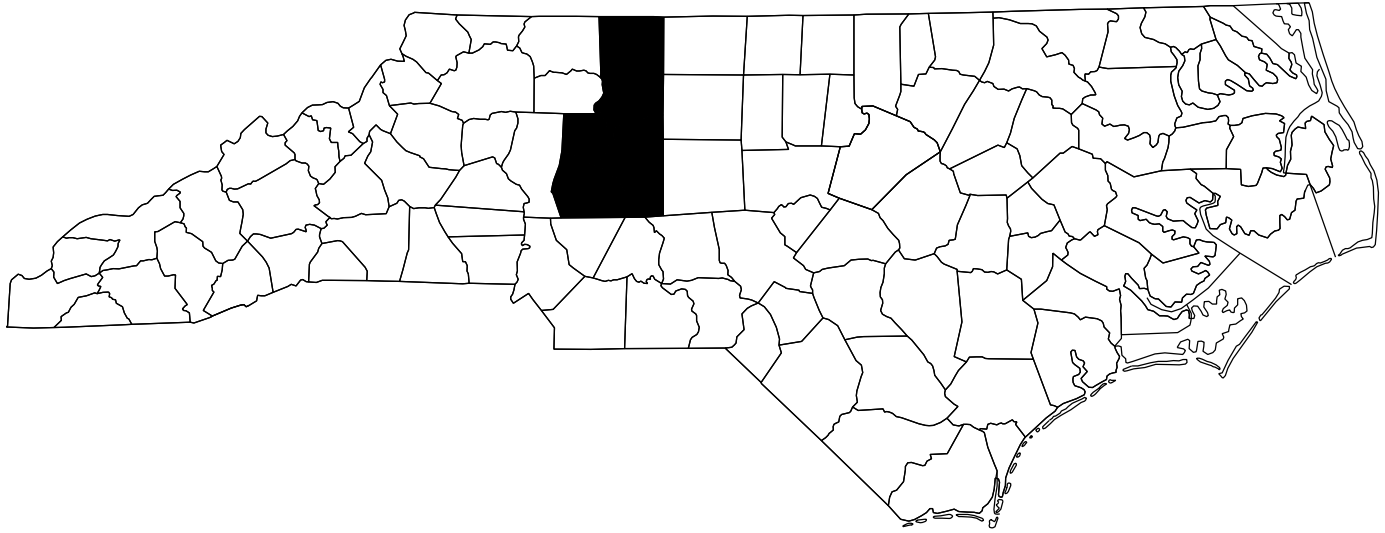
The RFRB shall flashing sequence shall provide enough time for pedestrians to cross from curb to curb. It is recommended to be a minimum of 7 seconds plus the crossing distance (D) divided by 3.5 feet/per sec., rounded up to the next whole second:

$$\text{Flash Time (sec.)} = 7 + D/3.5$$

Per Section 4L.03 of the 2023 MUTCD, RRFBS shall provide 75 flashing sequences per minute. During each 800 millisecond flashing sequence, the left and right RRFB indications shall operate using the following sequence:

- The RRFB indication on the left-hand side shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 50 milliseconds.
- The RRFB indication on the right-hand side shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 50 milliseconds.
- The RRFB indication on the left-hand side shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 50 milliseconds.
- The RRFB indication on the right-hand side shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 50 milliseconds.
- Both RRFB indications shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 50 milliseconds.
- Both RRFB indications shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 250 milliseconds.

CONTRACT: TIP PROJECT: BN-0031IA

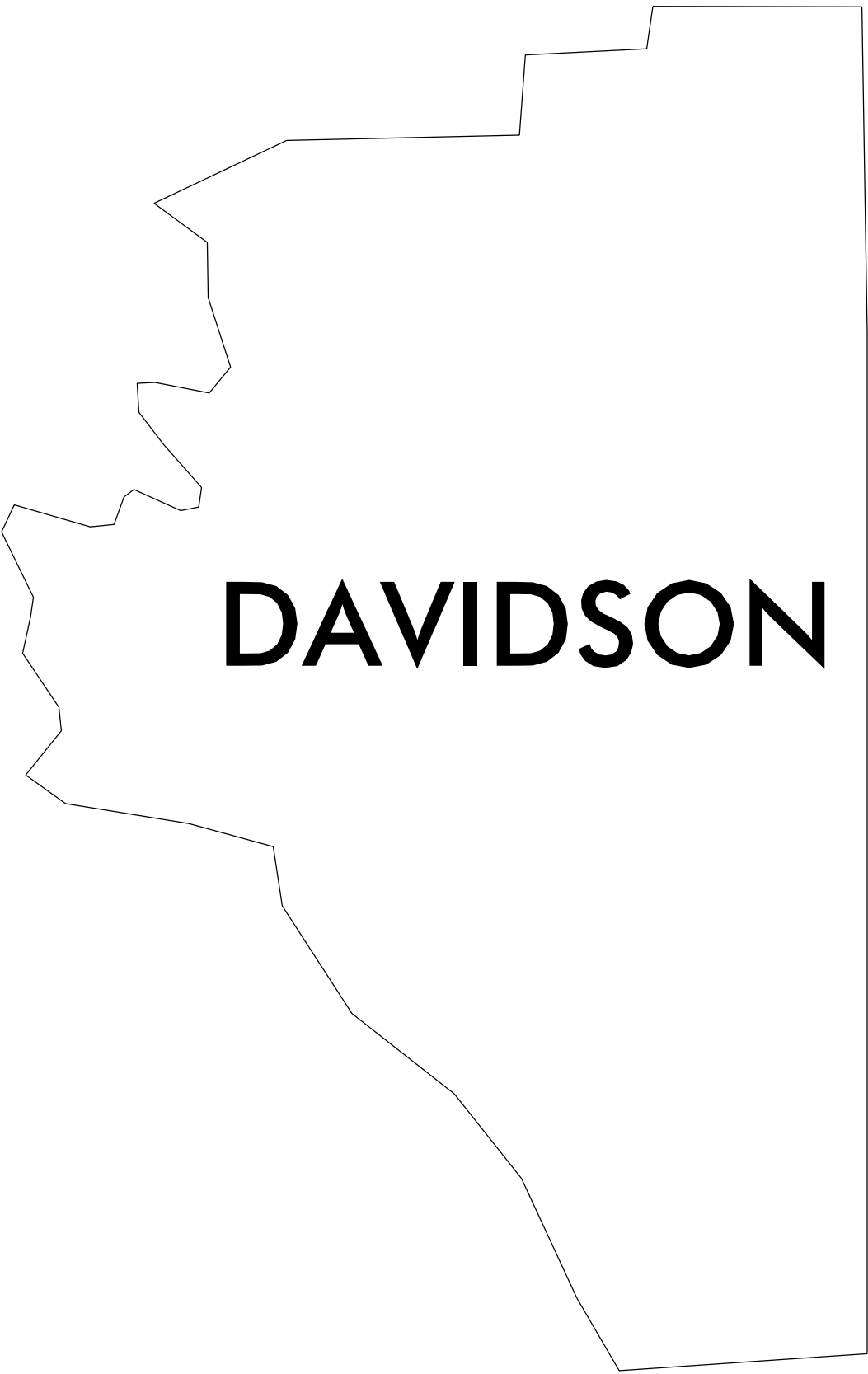


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

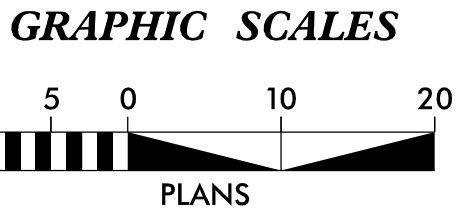
DIVISIONWIDE

LOCATION: VARIOUS LOCATIONS IN DIVISION 9 WITH POPULATIONS OVER 50,000 AND LESS THAN 200,000. PEDESTRIAN SAFETY IMPROVEMENTS

TYPE OF WORK: CURB RAMP INSTALLATIONS & SIGNALS



STATE	STATE PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS
N.C.	BN-0031IA		1	
STATE PROJ. NO.		F.A. PROJ. NO.	DESCRIPTION	
52073.09.6		TAPE009	PE	
52073.09.303		TA09301	CONST.	



NCDOT CONTACT: MATT W. JONES, PE
DIVISION PROJECT DEVELOPMENT ENGINEER
PH: 336-747-7800



DRMP, INC.
5808 FARINGDON PLACE
RALEIGH, NC 27609
NC LICENSE NO. F-1524 (919) 872-5115

2024 STANDARD SPECIFICATIONS

LETTING DATE:
OCTOBER 14, 2026

MICHEAL P. DIOQUINO, PE
PROJECT ENGINEER

SYDNEY HOLLIDAY, PE
RYAN J. NESBITT, EI
PROJECT DESIGN ENGINEERS

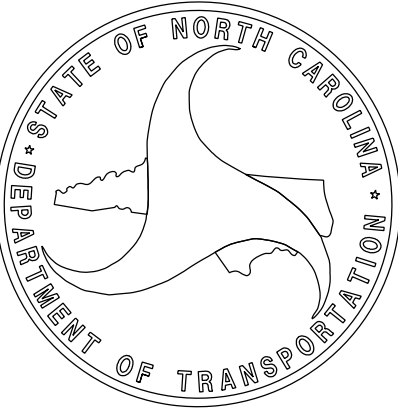
HYDRAULICS ENGINEER
9/16/2026

Signed by: Michael Dioquino
SIGNATURE:



ROADWAY DESIGN ENGINEER
9/16/2026

Signed by: Michael Dioquino
SIGNATURE:



INDEX OF SHEETS, GENERAL NOTES AND 2024 ROADWAY ENGLISH STANDARD DRAWINGS

INDEX OF SHEETS

1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
2B-1	SIDEWALK DETAILS
2B-2	CURB RAMP DETAILS
<u>THOMASVILLE</u> SUMMARY 1	SUMMARY OF QUANTITIES
1.1 – 1.2	THOMASVILLE INSETS
1.3 – 1.12	THOMASVILLE PLAN SHEETS
RRFB-1 THRU RRFB-4	RRFB SIGNAL PLANS
SIG 1.0 THRU SIG 3.2	SIGNAL MODIFICATION PLANS

GENERAL NOTES

2024 SPECIFICATIONS

EFF. 01-16-2024

GRADING:	THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED OR FUTURE SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. GRADE LINES MAY BE ADJUSTED AT THEIR BEGINNING AND ENDING AND AT STRUCTURES AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.
CLEARING:	CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.
STREET TURNOUT:	STREET RETURNS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 848.04 USING THE RADII NOTED ON PLANS.
UTILITIES	CONTRACTOR TO ADJUST ALL UTILITY BOXES ALONG CORRIDOR AND COORDINATE WITH UTILITY OWNERS FOR ADJUSTMENT TO BE MADE DURING CONSTRUCTION. CONTRACTOR SHALL FIELD LOCATE ALL UTILITIES BEFORE BEGINNING WORK AND COORDINATE WITH UTILITY OWNERS PRIOR TO ADJUSTING OR RELOCATING ANY UTILITIES. CONTRACTOR TO ADJUST ALL WATER VALVES AND SEWER MANHOLES WITHIN CONSTRUCTION LIMITS. CONTRACTOR SHALL CONTACT APPROPRIATE UTILITY OWNER IMMEDIATELY OF ANY DAMAGE TO EXISTING UTILITY LINES TO REMAIN IN PLACE.
CURB RAMPS:	CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS IN ACCORDANCE WITH STD. 848.06.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. 08-11-2025
REV. 11-26-2025

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" CONTRACTS STANDARDS AND DEVELOPMENT UNIT – N.C. DEPARTMENT OF TRANSPORTATION – RALEIGH, N.C., DATED JANUARY 16, 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
DIVISION 2 – EARTHWORK	
200.02	METHOD OF CLEARING – METHOD II
DIVISION 6 – ASPHALT BASES AND PAVEMENTS	
654.01	PAVEMENT REPAIRS
DIVISION 8 – INCIDENTALS	
846.01	CONCRETE CURB, GUTTER, AND CURB & GUTTER
848.01	CONCRETE SIDEWALK (USE DETAIL IN LIEU OF STANDARD FOR SHEET 1 OF 1)
848.06	CURB RAMP (USE DETAIL IN LIEU OF STANDARD FOR SHEET 9 OF 13)
DIVISION 9 – SIGNING	
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D' 'E' AND 'F' SIGNS ON 'U' CHANNEL POST

<u>STD. NO.</u>	<u>TITLE</u>
DIVISION 12 – PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.01	PAVEMENT MARKINGS – LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS – TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS – INTERSECTIONS
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1101.02	TEMPORARY LANE CLOSURE
1101.04	TEMPORARY SHOULDER CLOSURE
1101.11	TRAFFIC CONTROL DESIGN TABLES
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1110.02	PORTABLE WORK ZONE SIGNS
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1130.01	DRUMS
1145.01	BARRICADES – TYPE III
DIVISION 16 – EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1605.01	TEMPORARY SILT FENCE
1632.03	ROCK INLET SEDIMENT TRAP TYPE C
1633.01	TEMPORARY SILT CHECK TYPE A
1636.01	WATTLE CHECK

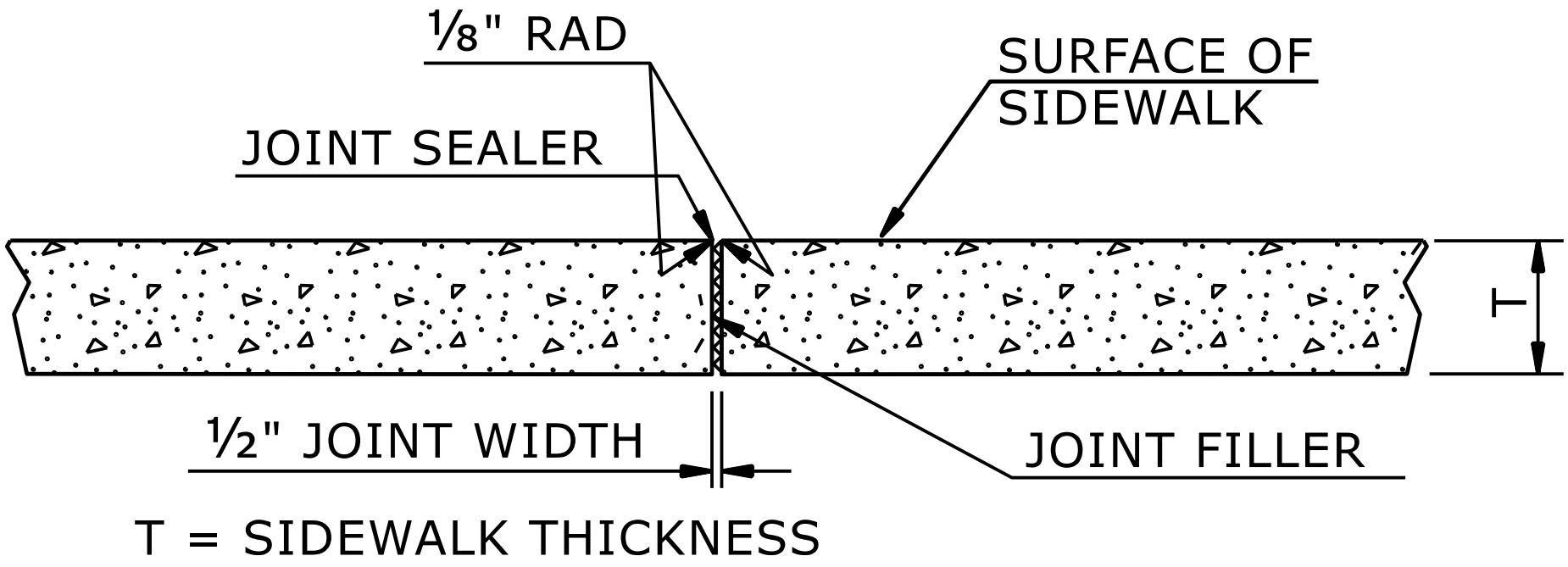
PROJECT REFERENCE NO.	SHEET NO.
BN-00311A	2B-1

NOTES:

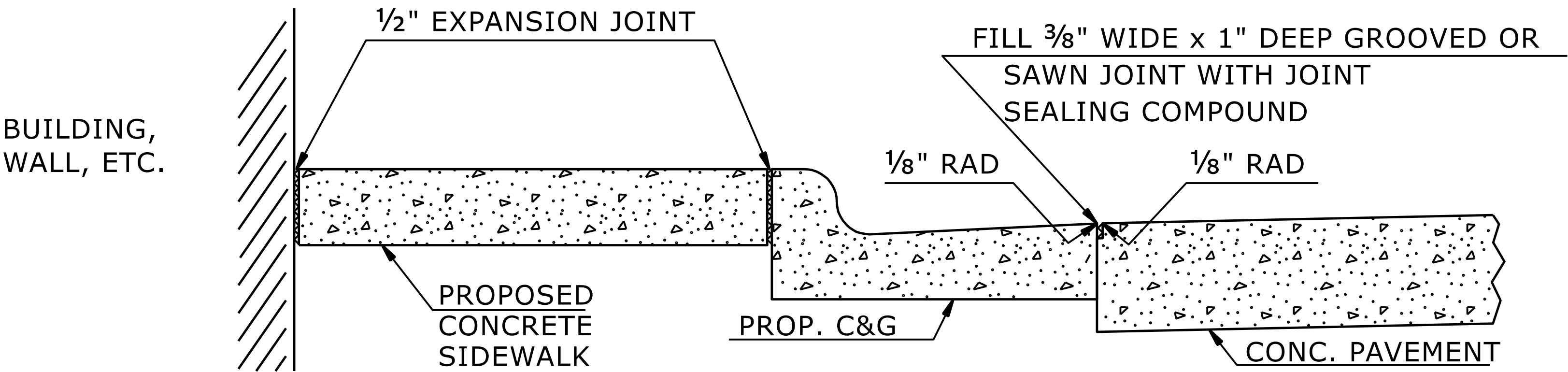
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH 1/8" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.06 FOR CURB RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



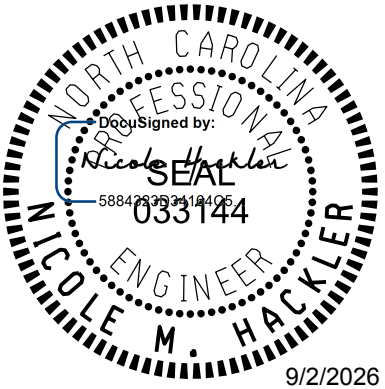
TRANSVERSE EXPANSION JOINT
IN SIDEWALK



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
CONCRETE SIDEWALK



SHEET 1 OF 1
848D01

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

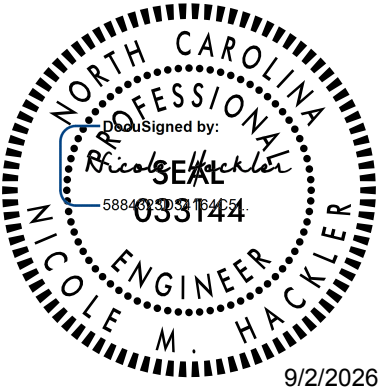
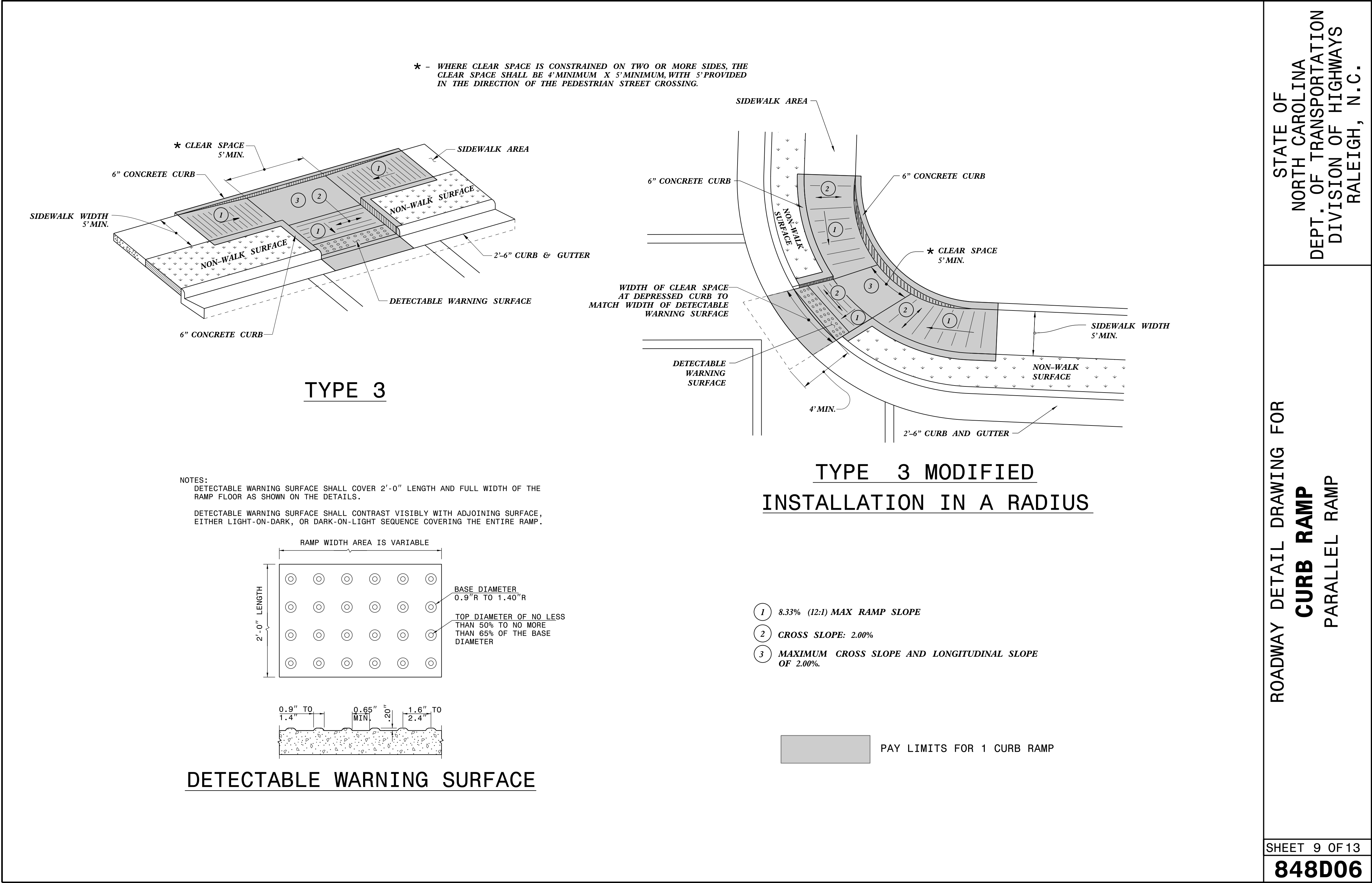
**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 7-25-2024
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: DATE:

PROJECT REFERENCE NO.	SHEET NO.
BN-00311A	2B-2



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

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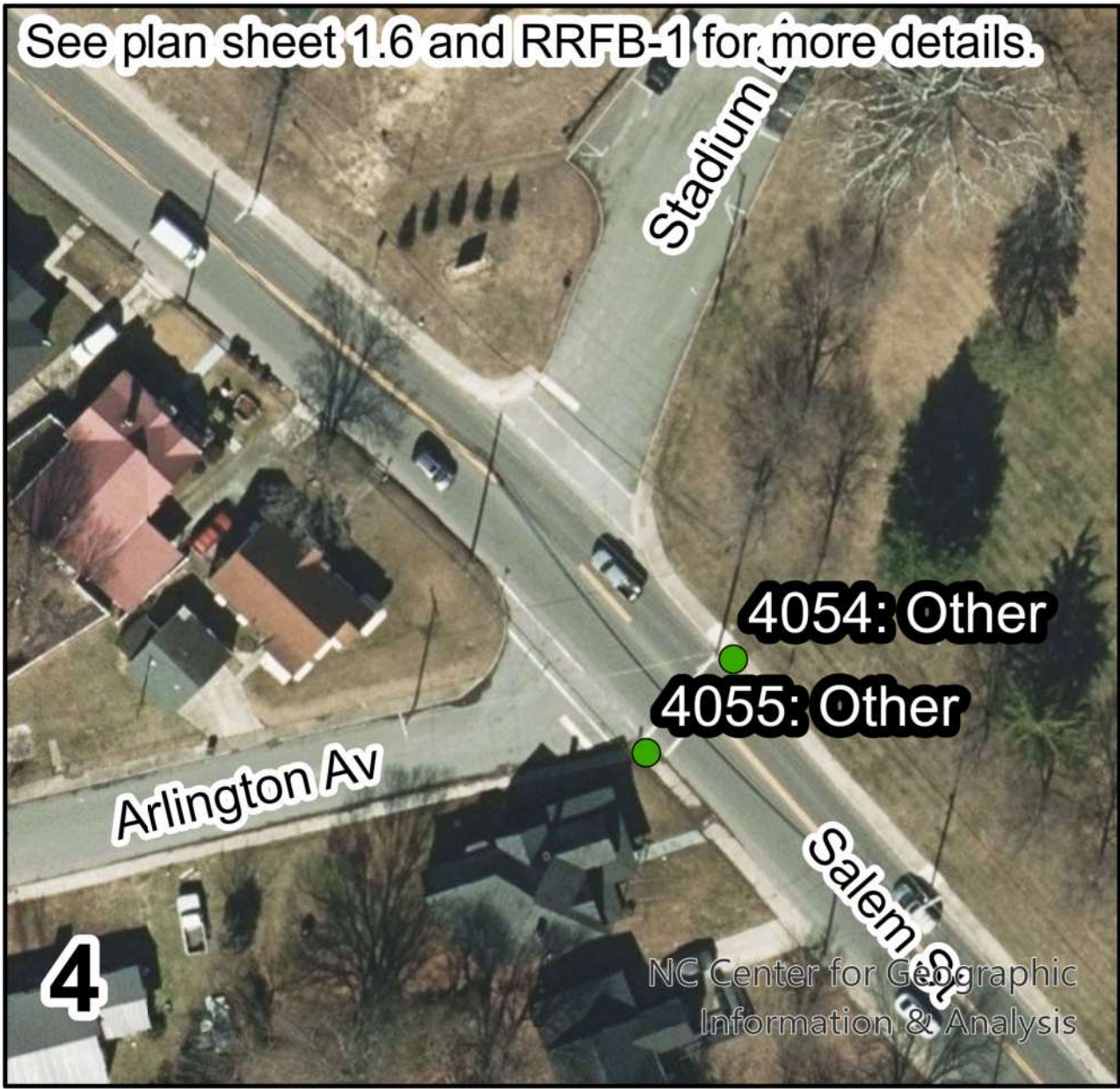
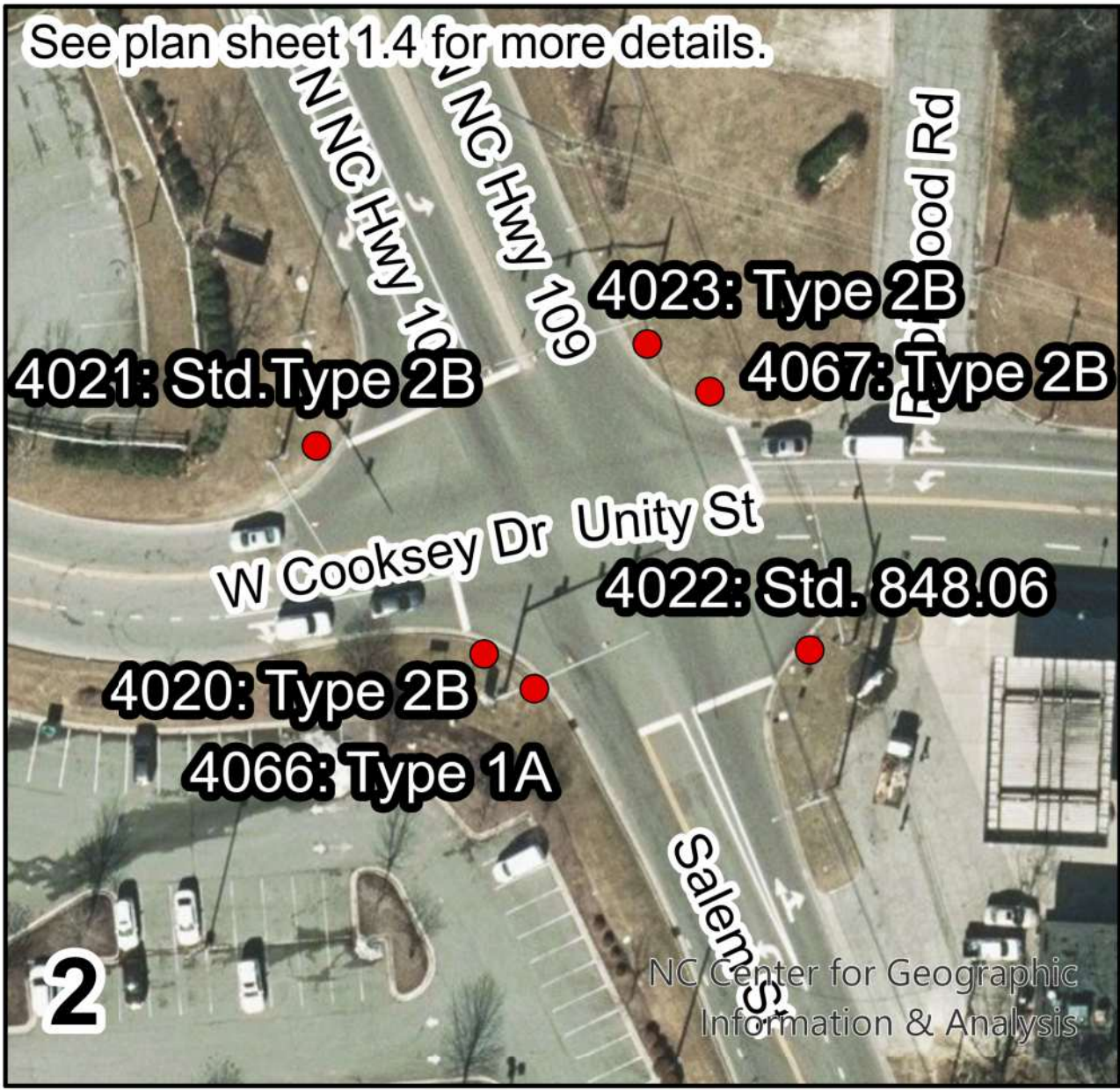
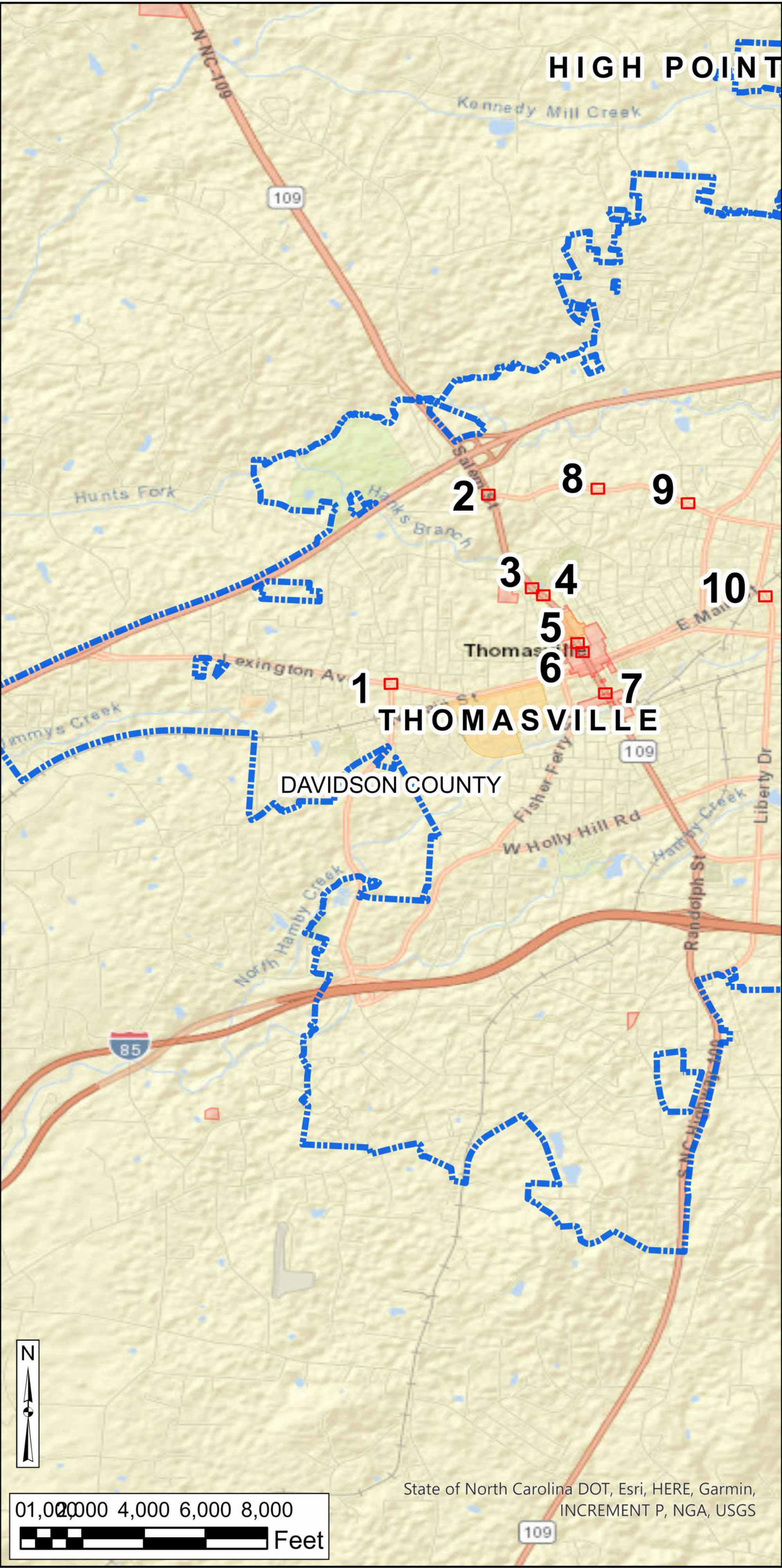
ORIGINAL BY: S.CALHOUN DATE: 12-22-2023
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: special_details\nmhackler\DO609.dgn

THESE QUANTITIES DO NOT INCLUDE SIGNAL AND RRFB QUANTITIES.

SUMMARY OF QUANTITIES - DIVISION 9

Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	2549000000-E	Remove Curb & Gutter LF	Remove & Replace Curb & Gutter LF	2591000000-E	Sidewalk Remove & Replace SY	Sidewalk Removal SY	5' Monolithic Concrete Island Removal SY	2647000000-E 5' Monolithic Concrete Islands (Surface Mounted) SY	1705000000-E	2845000000-N	2830000000-N	2800000000-N	7648000000-N	5882000000-E	Adjust Guy Wire EA	Dome Style/Color	2600000000-N	2613000000-N	2605000000-N	0000915000-N	Ramp Type
							2'-6" Concrete Curb & Gutter LF			4" Concrete Sidewalk SY				Patching Existing Pavement TON	Adjust Valve / Meter EA	Adjust Manhole EA	Adjust Catch Basin EA	Relocate Sign EA	Adjust Utility Box EA	Retrofit Existing Curb Ramps EA			Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA		
4059	1.1	1	Davidson	Thomasville	NC 109	Lexington Avenue		15													Black			1			Type 2B
4060	1.1	1	Davidson	Thomasville	NC 109	Lexington Avenue		15			3										Black			1			Type 2B
4061	1.1	1	Davidson	Thomasville	NC 109	Lexington Avenue		30				6									Black				1		Type 2B
4062	1.1	1	Davidson	Thomasville	NC 109	Lexington Avenue		25										2			Black				1		Type 2B
4063	1.1	1	Davidson	Thomasville	NC 109	Lexington Avenue		20			3	9									Black				1		Type 1A
4073	1.1	1	Davidson	Thomasville	NC 109	Lexington Avenue		16												1	Black				1		Type 2B
4074	1.1	1	Davidson	Thomasville	NC 109	Lexington Avenue		20			3	9							1		Black				1		Type 2B
4020	1.1	2	Davidson	Thomasville	NC 109	Unity Street		32												1	Black				1		Type 2B
4021	1.1	2	Davidson	Thomasville	NC 109	Unity Street		22													Black				1		Type 2B
4022	1.1	2	Davidson	Thomasville	NC 109	Unity Street		15	5	6											Black				1		Std. 848.06
4023	1.1	2	Davidson	Thomasville	NC 109	Unity Street		30					3	1	1						Black				1		Type 2B
4066	1.1	2	Davidson	Thomasville	NC 109	Unity Street		22													Black				1		Type 1A
4067	1.1	2	Davidson	Thomasville	NC 109	Unity Street		25													Black				1		Type 2B
4057	1.1	3	Davidson	Thomasville	NC 109	Winston Street						3									Black			1			Type 1A
4042	1.1	5	Davidson	Thomasville	NC 109	Guilford Street		12				9									Black			1			Std. 848.06
4038	1.1	6	Davidson	Thomasville	NC 109	JW Thomas Way		5			6	3									Black				1		Type 3
4039	1.1	6	Davidson	Thomasville	NC 109	JW Thomas Way										2					Black				1		Type 1B
4040	1.1	6	Davidson	Thomasville	NC 109	JW Thomas Way										1					Black				1		Type 2A
4033	1.1	7	Davidson	Thomasville	Randolph Street	Colonial Drive	15	17			6	6				1			1		Red			1			Type 2
4027	1.2	9	Davidson	Thomasville	Unity Street	Cox Avenue													1		Yellow			1			Type 2B
4029	1.2	10	Davidson	Thomasville	Blair Street	Liberty Street		10													Black				1		Type 1A
4030	1.2	10	Davidson	Thomasville	Blair Street	Liberty Street		16													Black					1	Type 2B
4031	1.2	10	Davidson	Thomasville	Blair Street	Liberty Street		6													Black					1	Type 1A
4032	1.2	10	Davidson	Thomasville	Blair Street	Liberty Street										1					Black					1	Type 2B
4068	1.2	10	Davidson	Thomasville	Blair Street	Liberty Street		15													Black					1	Type 2B
TOTALS:							15	368	5	6	21	45	3	1	1	4	0	0	5	2	0	0	0	7	17	0	
							2549000000-E			2591000000-E				2647000000-E	1705000000-E	2845000000-N	2830000000-N	2800000000-N	7648000000-N	5882000000-E			2600000000-N	2613000000-N	2605000000-N	0000915000-N	
							2'-6" Concrete Curb & Gutter LF			4" Concrete Sidewalk SY				5" Monolithic Concrete Islands (Surface Mounted) SY	Patching Existing Pavement TON	Adjust Valve / Meter EA	Adjust Manhole EA	Adjust Catch Basin EA	Relocate Sign EA	Adjust Utility Box EA			Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramp - SP EA	

Ramp ID	Map Number	Inset Number	County	Municipality	Route 1	Route 2	4695000000-E	4709000000-E	4850000000-E	4860000000-E	4870000000-E
							Thermoplastic Pavement Marking Lines (8", 90 MILS) LF	Thermoplastic Pavement Marking Lines (24", 90 MILS) LF	Removal of Pavement Marking Lines (4") LF	Removal of Pavement Marking Lines (8") LF	Removal of Pavement Marking Lines (24") LF
4061	1.1	1	Davidson	Thomasville	NC 109	Lexington Avenue	200	12	17		15
4063	1.1	1	Davidson	Thomasville	NC 109	Lexington Avenue	210	12	12		15
4021	1.1	2	Davidson	Thomasville	NC 109	Unity Street	280	75	50		85
4022	1.1	2	Davidson	Thomasville	NC 109	Unity Street	275	50	5		50
4057	1.1	3	Davidson	Thomasville	NC 109	Winston Street		90		70	
4054	1.1	4	Davidson	Thomasville	NC 109	Stadium Drive		70	5	165	
4042	1.2	5	Davidson	Thomasville	NC 109	Guilford Street	170			100	
4040	1.2	6	Davidson	Thomasville	NC 109	JW Thomas Way	50	100	21		
4033	1.2	7	Davidson	Thomasville	Randolph Street	Colonial Drive	170	28		20	
4027	1.2	9	Davidson	Thomasville	NC 109	Cox Avenue	65	120		100	
4029	1.2	10	Davidson	Thomasville	Blair Street	Liberty Street	155				
4031	1.2	10	Davidson	Thomasville	Blair Street	Liberty Street	75				
TOTALS:							1650	557	110	455	165
							4695000000-E	4709000000-E	4850000000-E	4860000000-E	4870000000-E
							Thermoplastic Pavement Marking Lines (8", 90 MILS) LF	Thermoplastic Pavement Marking Lines (24", 90 MILS) LF	Removal of Pavement Marking Lines (4") LF	Removal of Pavement Marking Lines (8") LF	Removal of Pavement Marking Lines (24") LF



LEGEND

ADA RAMP IMPROVEMENT LOCATION

- MISSING (Red dot)
- NOT COMPLIANT (Yellow dot)
- COMPLIANT (Green dot)
- MUNICIPAL BOUNDARY (Blue dashed line)
- NCHPO HISTORIC PROPERTY OR DISTRICT (Pink shaded area)

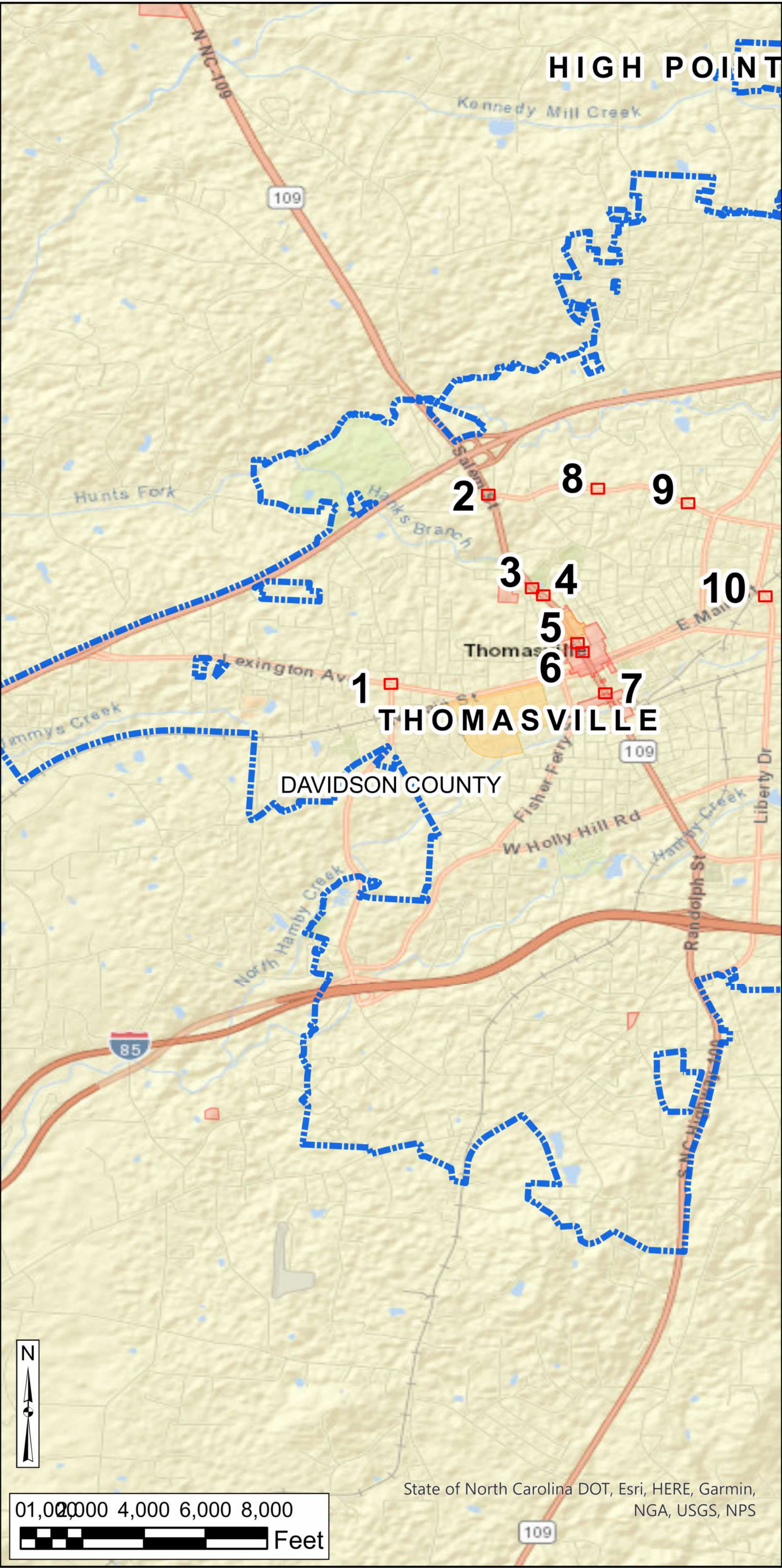
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 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DRMP, INC

DIVISION 9 INTERSECTION
ADA IMPROVEMENTS
50,000 - 200,000 POPULATION
DAVIDSON COUNTY
STIP PROJECT BN-00311A

MAP 1.1



LEGEND

ADA RAMP IMPROVEMENT LOCATION

- MISSING (Red dot)
- NOT COMPLIANT (Yellow dot)
- COMPLIANT (Green dot)
- MUNICIPAL BOUNDARY (Blue dashed line)
- NCHPO HISTORIC PROPERTY OR DISTRICT (Pink shaded area)

0 50 100 150 Ft

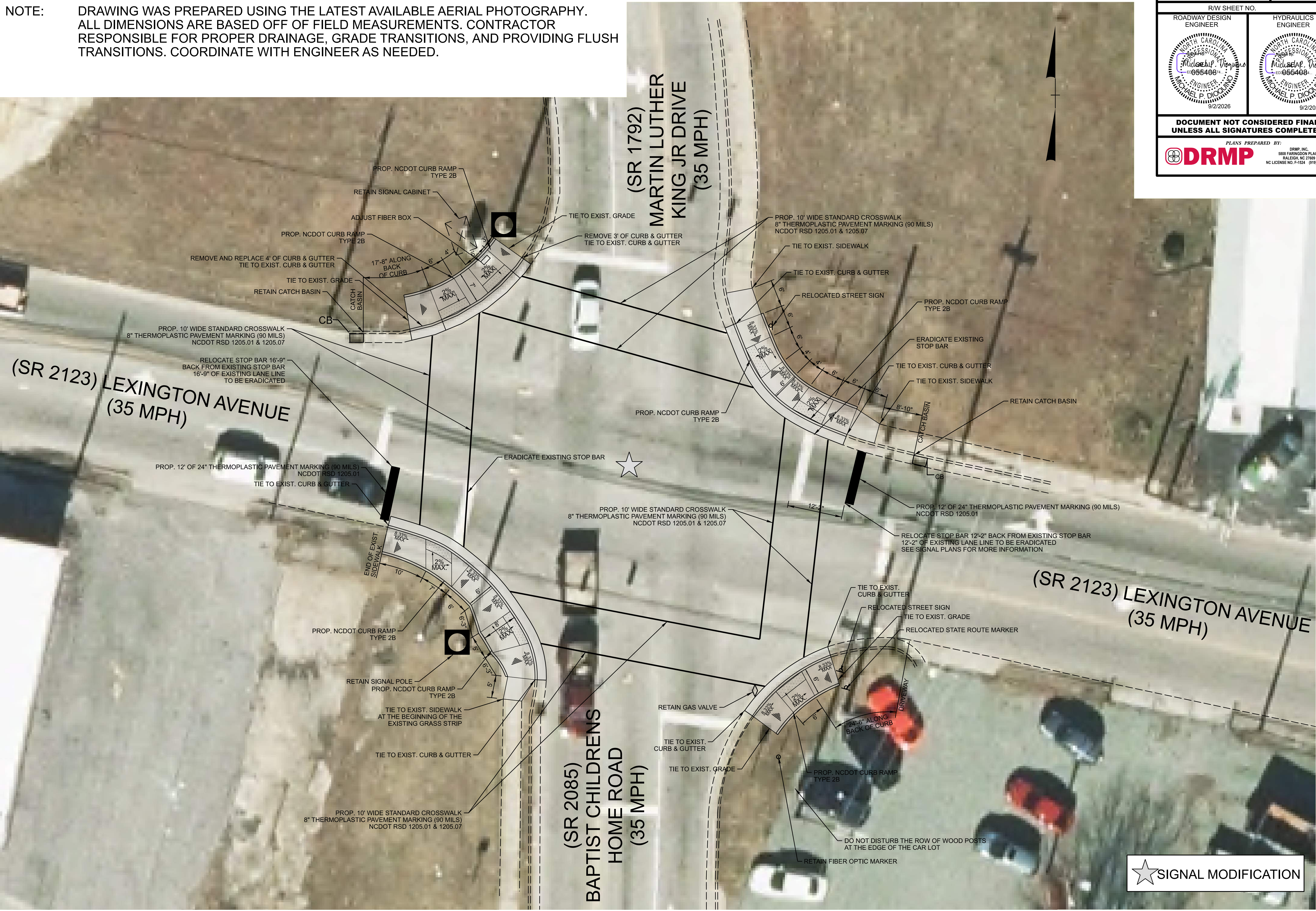
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

DRMP, INC

DIVISION 9 INTERSECTION
ADA IMPROVEMENTS
50,000 - 200,000 POPULATION
DAVIDSON COUNTY
STIP PROJECT BN-00311A

MAP 1.2

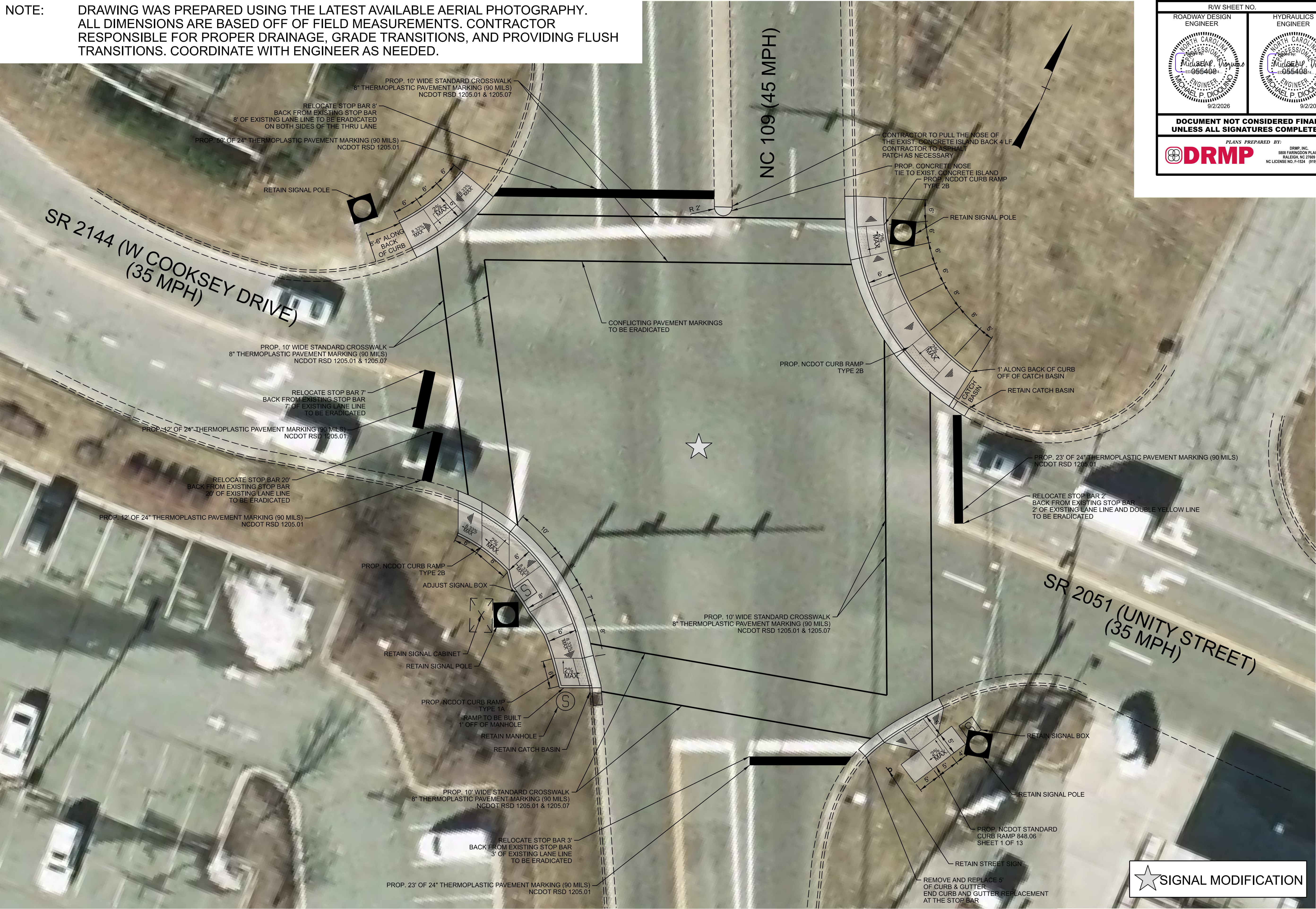
NOTE: DRAWING WAS PREPARED USING THE LATEST AVAILABLE AERIAL PHOTOGRAPHY. ALL DIMENSIONS ARE BASED OFF OF FIELD MEASUREMENTS. CONTRACTOR RESPONSIBLE FOR PROPER DRAINAGE, GRADE TRANSITIONS, AND PROVIDING FLUSH TRANSITIONS. COORDINATE WITH ENGINEER AS NEEDED.



DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		1.3	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY: DRMP DRMP, INC. 5908 FAIRGROVE PLACE RALEIGH, NC 27608 NC LICENSE NO. P-1524 (919) 873-5115			



NOTE: DRAWING WAS PREPARED USING THE LATEST AVAILABLE AERIAL PHOTOGRAPHY. ALL DIMENSIONS ARE BASED OFF OF FIELD MEASUREMENTS. CONTRACTOR RESPONSIBLE FOR PROPER DRAINAGE, GRADE TRANSITIONS, AND PROVIDING FLUSH TRANSITIONS. COORDINATE WITH ENGINEER AS NEEDED.



DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		1.4	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY: DRMP, INC. 5908 FAIRGOLD PLACE RALEIGH, NC 27608 NC LICENSE NO. P-1524 (919) 873-5115			

REVISIONS

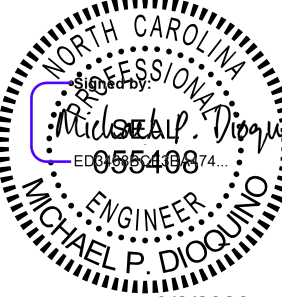
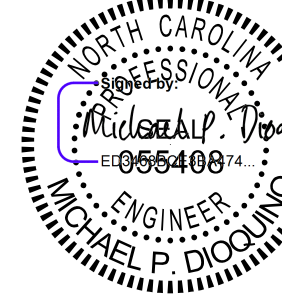
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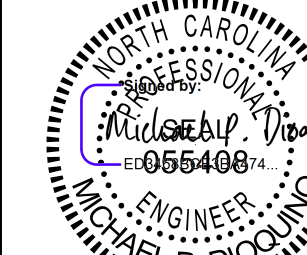
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BN-00311A		1.5	
R/W SHEET NO.			
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9/2/2026		9/2/2026	
DO NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY:			
		DRMP, INC. 5808 FARRINGTON PLACE RALEIGH, NC 27609 NC LICENSE NO. F-1524 (919) 872-5115	


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DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		1.6	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
9/2/2026		9/2/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
		DRMP INC. 5808 FARRINGTON PLACE RALEIGH NC 27609 NC LICENSE NO. F-1524 (919) 872-5115	
PLANS PREPARED BY: DRMP			

NOTE: DRAWING WAS PREPARED USING THE LATEST AVAILABLE AERIAL PHOTOGRAPHY. ALL DIMENSIONS ARE BASED OFF OF FIELD MEASUREMENTS. CONTRACTOR RESPONSIBLE FOR PROPER DRAINAGE, GRADE TRANSITIONS, AND PROVIDING FLUSH TRANSITIONS. COORDINATE WITH ENGINEER AS NEEDED.

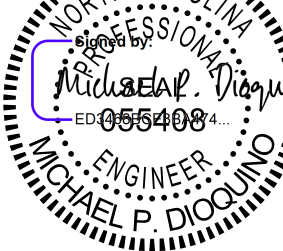
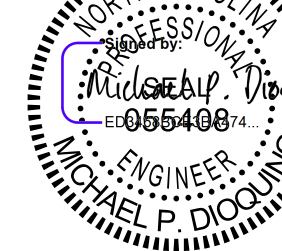


DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		1.7	
R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY: DRMP			
DRMP, INC. 5908 FAIRINGDON PLACE RALEIGH, NC 27608 NC LICENSE NO. P-1524 (919) 873-5115			

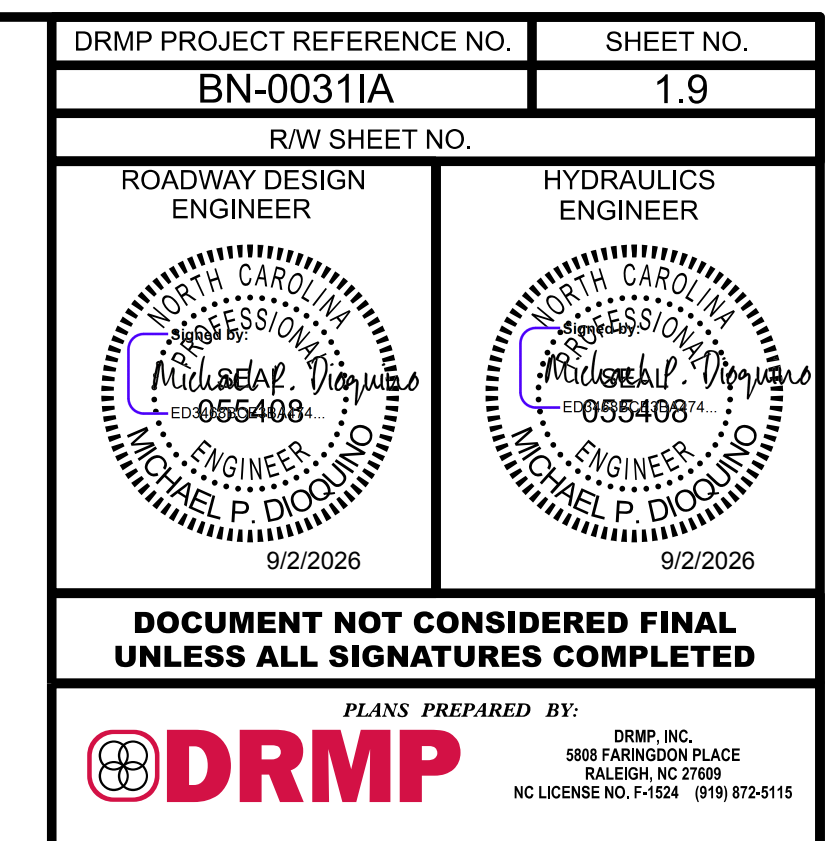
REVISIONS

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[illegible]

DRMP PROJECT REFERENCE NO.		SHEET NO.	
BN-00311A		1.18	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
9/2/2026		9/2/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY:  DRMP DRMP, INC. 5808 FARRINGTON PLACE RALEIGH, NC 27609 NC LICENSE NO. F-1524 (919) 872-5115			

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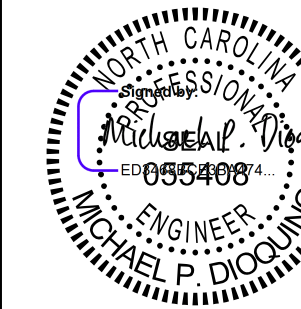

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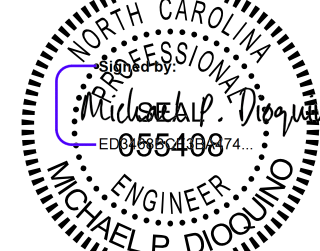


★ PROPOSED RRFB

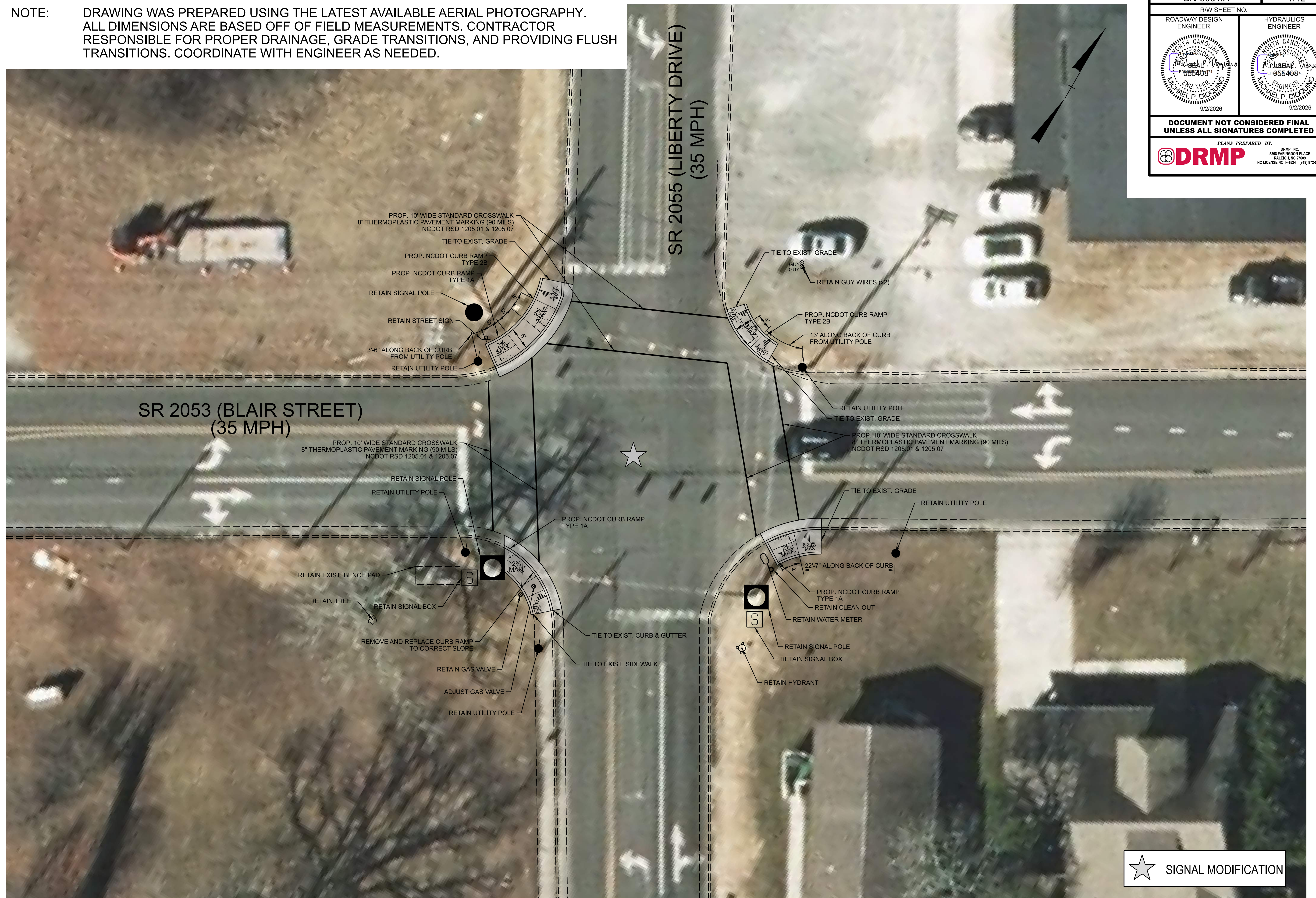
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RW SHEET NO.			
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9/2/2026		9/2/2026	
DOCUMENT NOT COVERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY:  DRMP DRMP, INC. 5808 FARRINGTON PLACE RALEIGH, NC 27609 NC LICENSE NO. F-1524 (919) 872-5115			

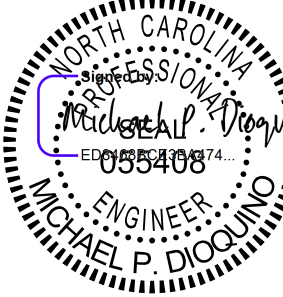
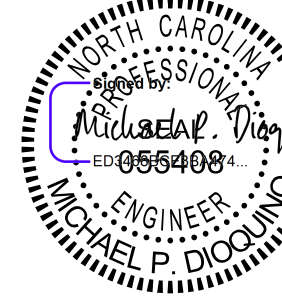
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R/W SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
			
9/2/2026		9/2/2026	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY:  DRMP DRMP INC. 5918 FARWINDSON PLACE RALEIGH, NC 27619 NC LICENSE NO. F-1524 (919) 872-5115			

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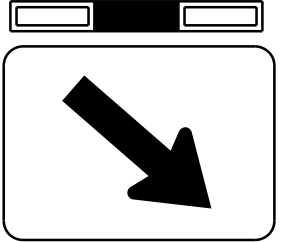
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BN-00311A		1.12	
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			
PLANS PREPARED BY:  DRMP, INC. 5808 FARRINGTON PLACE RALEIGH, NC 27619 NC LICENSE NO. F-1524 (919) 872-5115			

MUTCD SIGN LEGEND

SIGN A



W11-2
36"x36"

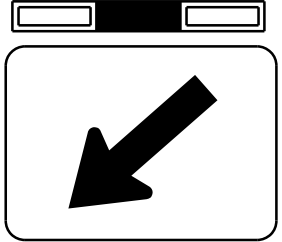


W16-7pR
21"x15"

SIGN B



W11-2
36"x36"



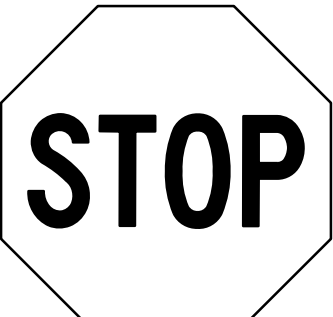
W16-7pL
21"x15"

SIGN C



R1-5L
36"x36"

SIGN D



R1-1
36"x36"

Install standard 10' Wide 24" White Hi-Visibility crosswalk

Install RRFB Assembly (double sided) on Type II Pedestal with solar power source. Install Pedestrian Warning Signs, Arrow Panels and APS push button.

Install RRFB Assembly (double sided) on Type II Pedestal with solar power source. Install Pedestrian Warning Signs, Arrow Panels and APS push button.

GENERAL NOTES

- NCDOT Engineer will require approval of all foundation locations and dimensions prior to construction.
- Program Flashing Actuation for 23 seconds.
- Contractor shall install solar power source as shown and approved on the NCDOT QPL list. Contractor shall install solar power source and RRFB equipment as shown and approved on the NCDOT QPL list.
- RRFB Assembly, Pedestrian Warning Signs, Arrow Panels, and APS Pushbuttons shall be installed on Type II Pedestal along each approach.
- Yield line triangle shall be 12" white, hi-visibility thermoplastic material.
- See NCDOT Standard 904.50 for sign installation detail.
- See sheet RRFB-4 for RRFB standard drawing.

PROPOSED		EXISTING
	Sign	
	Flashing Beacon Indication	
	Type II Signal Pedestal with Activation Pushbutton	
	Directional Arrow	
	Yield Line	
N/A	Curb Ramp	

New Installation

Prepared For:



750 N. Greenfield Pkwy, Garner, NC 27629

PLAN DATE:

August 2026

REVIEWED BY:

ML Stygles

PREPARED BY:

EE Downing

DRMP PROJ NO:

25241

REVISIONS

INIT.

DATE

SR 2051 (Unity Street)
at
Memorial Park Drive

Division 9

Davidson County

Thomasville

SEAL



SEAL 046057

ENGINEER

Matthew L. Stygles

9/2/2026

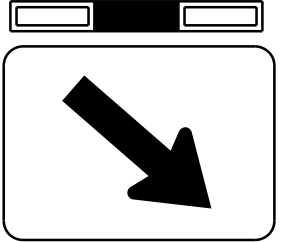
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MUTCD SIGN LEGEND

SIGN A



W11-2
36"x36"

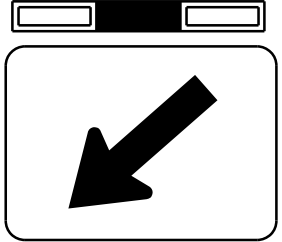


W16-7pR
21"x15"

SIGN B



W11-2
36"x36"



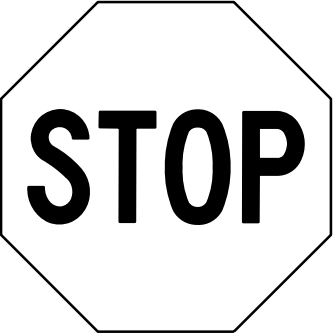
W16-7pL
21"x15"

SIGN C



R1-5L
36"x36"

SIGN D



R1-1
36"x36"

Install RRFB Assembly (double sided) on Type II Pedestal with solar power source. Install Pedestrian Warning Signs, Arrow Panels and APS push button.

GENERAL NOTES

- NCDOT Engineer will require approval of all foundation locations and dimensions prior to construction.
- Program Flashing Actuation for 23 seconds.
- Contractor shall install solar power source as shown and approved on the NCDOT QPL list. Contractor shall install solar power source and RRFB equipment as shown and approved on the NCDOT QPL list.
- RRFB Assembly, Pedestrian Warning Signs, Arrow Panels, and APS Pushbuttons shall be installed on Type II Pedestal along each approach.
- Yield line triangle shall be 12" white, hi-visibility thermoplastic material.
- See NCDOT Standard 904.50 for sign installation detail.
- See sheet RRFB-4 for RRFB standard drawing.

Install RRFB Assembly (double sided) on Type II Pedestal with solar power source. Install Pedestrian Warning Signs, Arrow Panels and APS push button.

LEGEND	
PROPOSED	EXISTING
 Sign	 Sign
 Flashing Beacon Indication	 Flashing Beacon Indication
 Type II Signal Pedestal with Activation Pushbutton	 Type II Signal Pedestal with Activation Pushbutton
 Directional Arrow	 Directional Arrow
 Yield Line	 Yield Line
N/A	 Curb Ramp

New Installation

Prepared For:  Signal Design Section 750 N. Greenfield Pkwy, Garner, NC 27629	SR 2051 (Unity Street) at Cox Avenue / Mendenhall Street		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL  NORTH CAROLINA PROFESSIONAL ENGINEER MATTHEW L. STYLES 9/2/2026	
	Division 9	Davidson County		Thomasville
	PLAN DATE: August 2026	REVIEWED BY: ML Stygles		
	PREPARED BY: EE Downing	DRMP PROJ NO: 25241		
REVISIONS		INIT.	DATE	

Standard Drawing for Rectangular Rapid Flashing Beacon	<i>Prepared in the Offices of:</i>  750 N. Greenfield Parkway Garner, NC 27529	SEAL  DocuSigned by:  02/13/2026 SIGNATURE DATE
--	---	---

Two to Four Lanes, Undivided



When actuated, the two yellow indications in each RRFB unit shall flash in a rapidly flashing sequence.

The RFRB shall flashing sequence shall provide enough time for pedestrians to cross from curb to curb. It is recommended to be a minimum of 7 seconds plus the crossing distance (D) divided by 3.5 feet/per sec., rounded up to the next whole second:

$$\text{Flash Time (sec.)} = 7 + D/3.5$$

Per Section 4L.03 of the 2023 MUTCD, RRFBS shall provide 75 flashing sequences per minute. During each 800 millisecond flashing sequence, the left and right RRFB indications shall operate using the following sequence:

- The RRFB indication on the left-hand side shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 50 milliseconds.
- The RRFB indication on the right-hand side shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 50 milliseconds.
- The RRFB indication on the left-hand side shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 50 milliseconds.
- The RRFB indication on the right-hand side shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 50 milliseconds.
- Both RRFB indications shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 50 milliseconds.
- Both RRFB indications shall be illuminated for approximately 50 milliseconds. Both RRFB indications shall be dark for approximately 250 milliseconds.

Standard Drawing for Rectangular Rapid Flashing Beacon

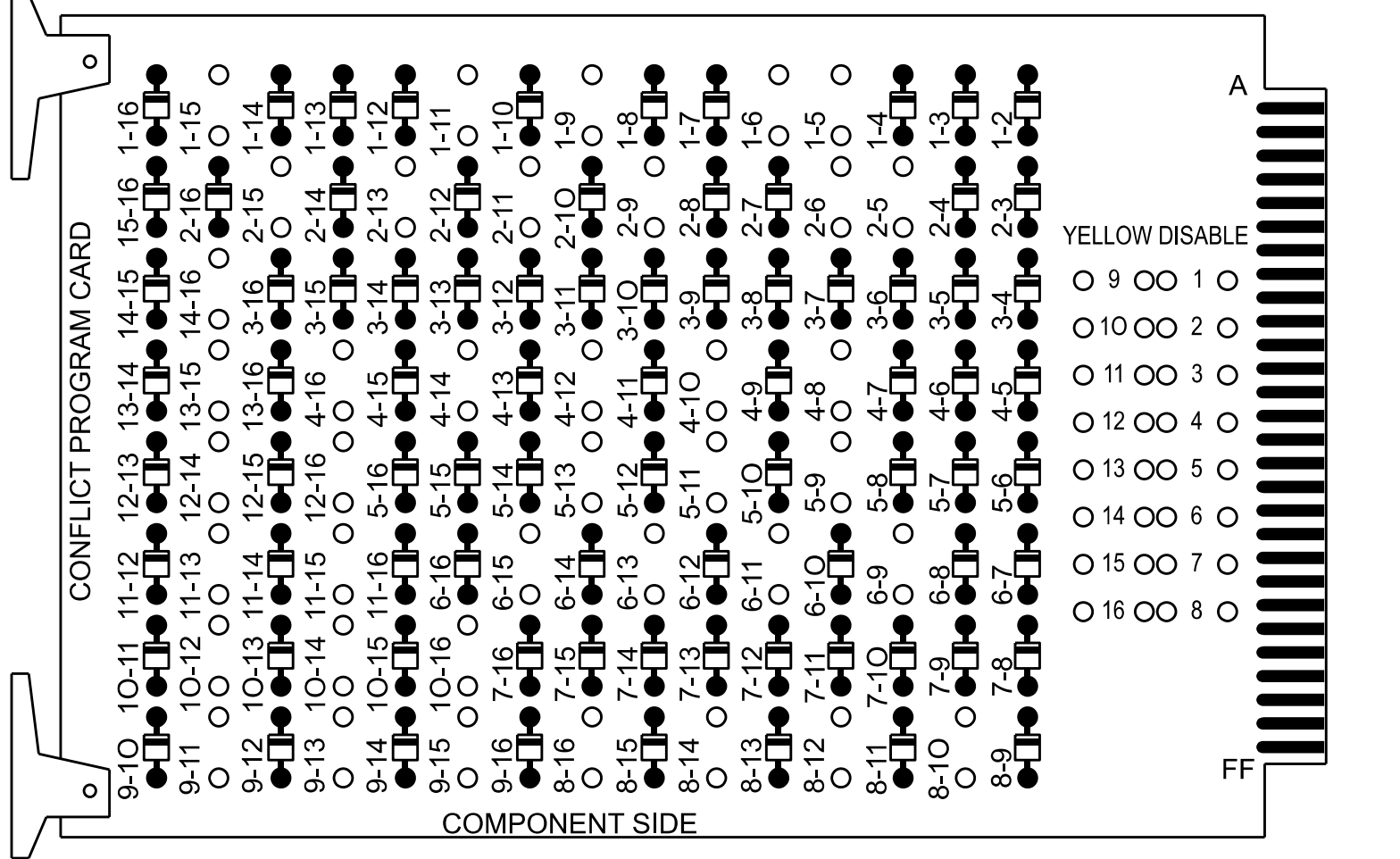
PROJECT REFERENCE NO.	SHEET NO.
BN-00311A	Sig.1.0

16 CHANNEL CONFLICT MONITOR

PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

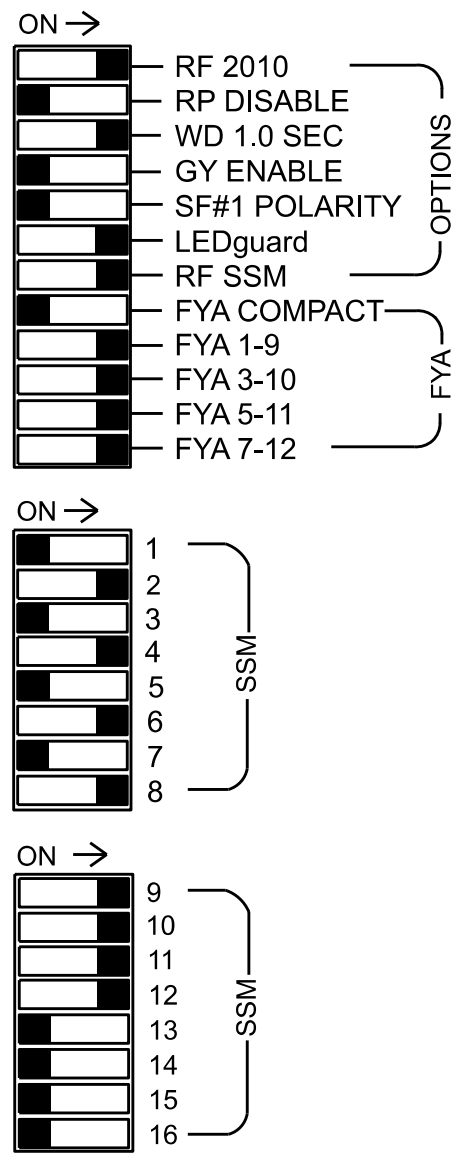
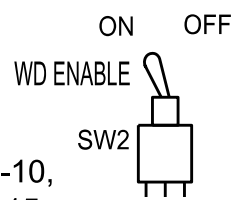
REMOVE DIODE JUMPERS 1-5, 1-6, 1-9, 1-11, 1-15, 2-5, 2-6, 2-9, 2-11, 2-13, 2-15, 4-8, 4-10, 4-12, 4-14, 4-16, 5-9, 5-11, 5-13, 6-9, 6-11, 6-13, 6-15, 8-10, 8-12, 8-14, 8-16, 9-11, 9-13, 9-15, 10-12, 10-14, 10-16, 11-13, 11-15, 12-14, 12-16, 13-15 AND 14-16.



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Make sure jumpers SEL2-SEL5 are present on the monitor board.



■ = DENOTES POSITION OF SWITCH

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.
- Ensure that Red Enable is active at all times during normal operation. To prevent Red Failures on unused monitor channels, tie unused red monitor inputs 1, 3, 5, 7, 13, 14, 15 & 16 to load switch AC+ per the cabinet manufacturer's instructions.
- Program phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Green No Walk and phase 6 Green No Walk.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of the Peace St - SR 2123 (Lexington Ave) CLS, D09-02 Thomasville System.

EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S1, S2, S2P, S4, S4P,S5, S6, S6P, S8, S8P, S9, S10, S12, S13
Phases Used.....1,2, 2PED, 4, 4PED, 5, 6, 6PED, 8, 8PED
Overlap "1".....*
Overlap "2".....*
Overlap "3".....*
Overlap "4".....*

*See overlap programming detail on sheet 2.

PROJECT REFERENCE NO.	SHEET NO.
BN-00311A	Sig. 1.1

SIGNAL HEAD HOOK-UP CHART

LOAD SWITCH NO.	S1	S2	S2P	S3	S4	S4P	S5	S6	S6P	S7	S8	S8P	S9	S10	S11	S12	S13	S14
OLU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	SPARE	OL3	OL4	SPARE
SIGNAL HEAD NO.	11★	21,22	P21, P22	NU	41,42	P41, P42	51★	61,62	P61, P62	NU	81,82	P81, P82	11★	83★	NU	51★	43★	NU
RED		128			101			134			107							
YELLOW	★	129			102		★	135			108							
GREEN		130			103			136			109							
RED ARROW													A121	A124		A114	A101	
YELLOW ARROW													A122	A125		A115	A102	
FLASHING YELLOW ARROW													A123	A126		A116	A103	
GREEN ARROW	127						133											
Hand			113			104			119		110							
Walking			115			106			121		112							

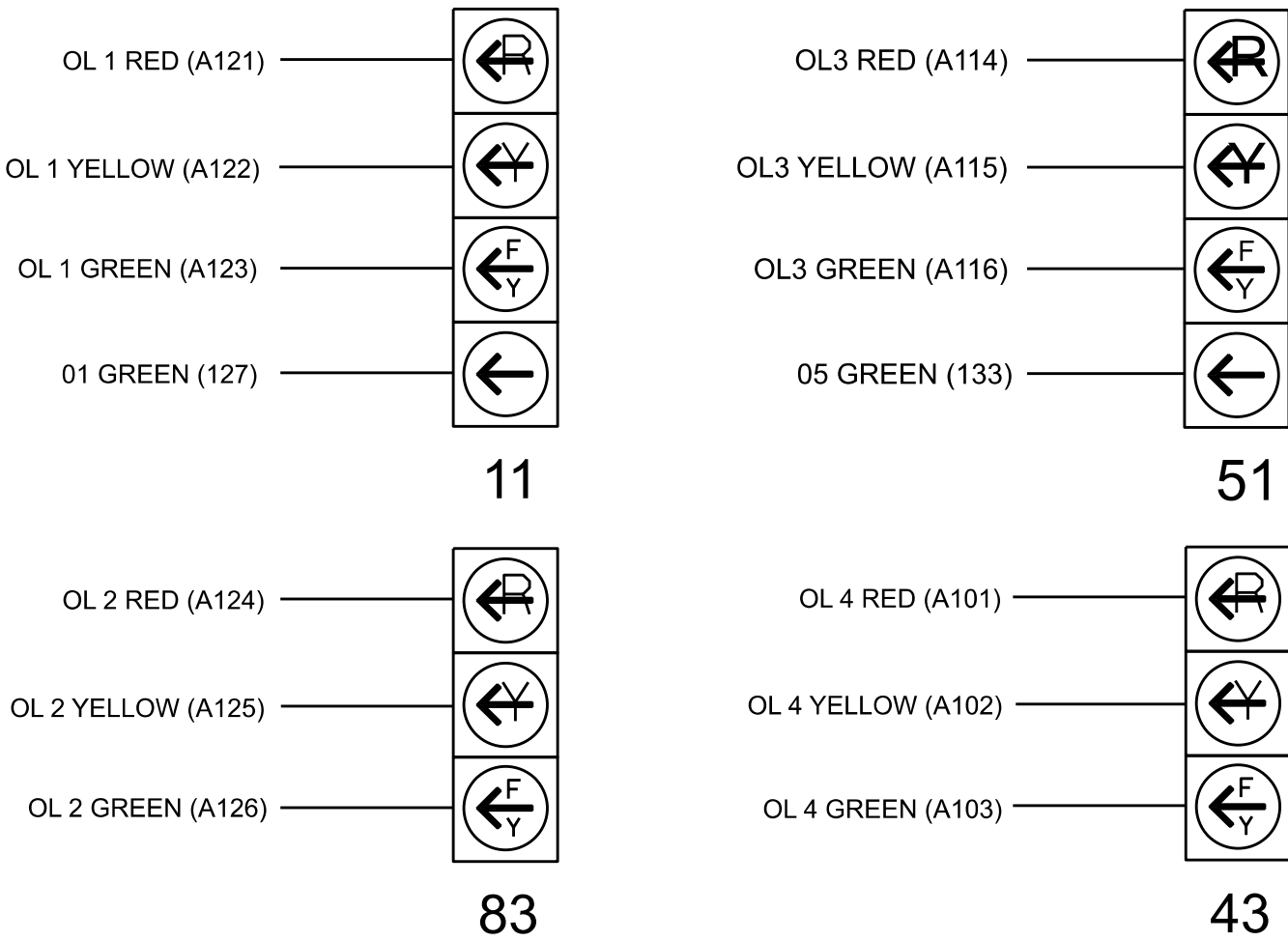
NU = Not Used

★ Denotes install load resistor. See load resistor installation detail this sheet.

★ See pictorial of head wiring in detail this sheet.

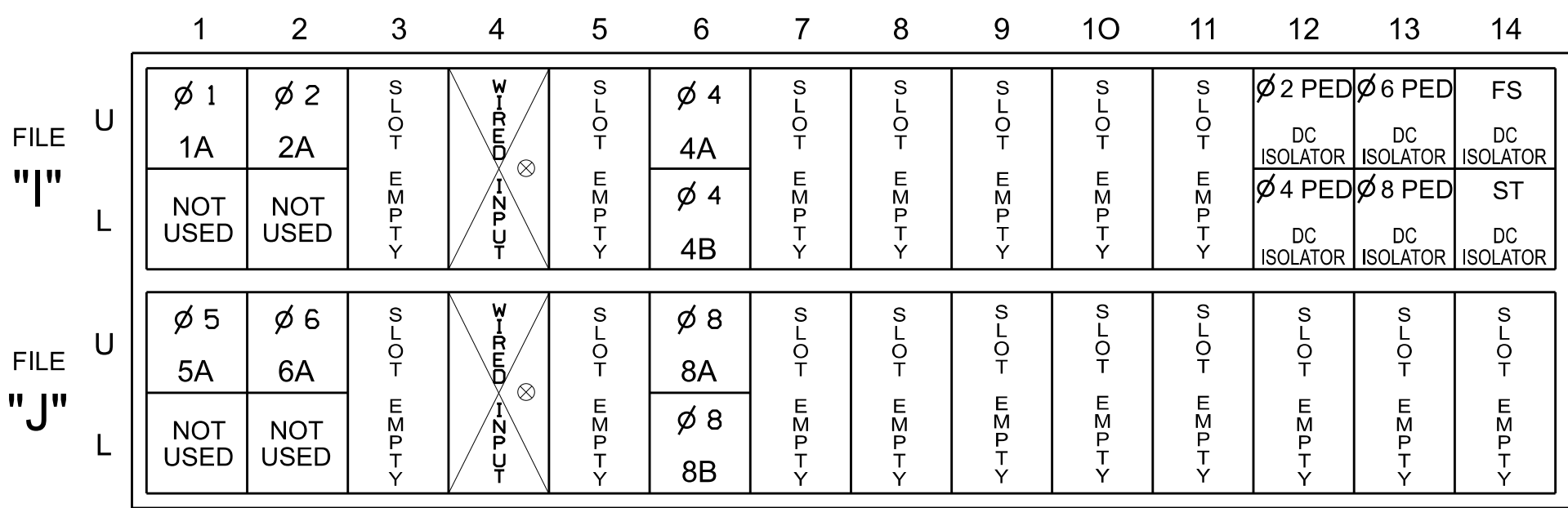
FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)



EX.: 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

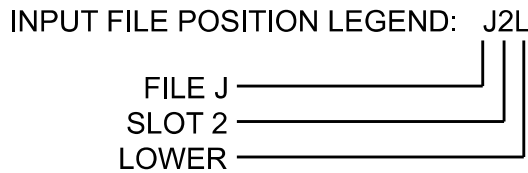
NOTE: IF PRESENT, REMOVE EXISTING JUMPERS ASSOCIATED W/ DETECTOR SLOTS I4 AND J4 FROM REAR OF INPUT FILE.

INPUT FILE CONNECTION & PROGRAMMING CHART

LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
1A	TB2-1,2	I1U	56	18	1	1	15.0		X		X	
2A	TB2-5,6	I2U	39	-	29	6			X		X	
4A	TB4-9,10	I6U	41	3	8	4	3.0		X		X	
4B	TB4-11,12	I6L	45	7	9	4	10.0		X		X	
5A	TB3-1,2	J1U	55	17	15	5	15.0		X		X	
6A	TB3-5,6	J2U	40	2	16	6			X		X	
8A	TB5-9,10	J6U	42	4	22	8	3.0		X		X	
8B	TB5-11,12	J6L	46	8	23	8	10.0		X		X	
PED PUSH BUTTONS												
P21,P22	TB8-4,6	I12U	67	33	2	PED 2						
P41,P42	TB8-5,6	I12L	69	35	4	PED 4						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						
P81,P82	TB8-8,9	I13L	70	36	8	PED 8						

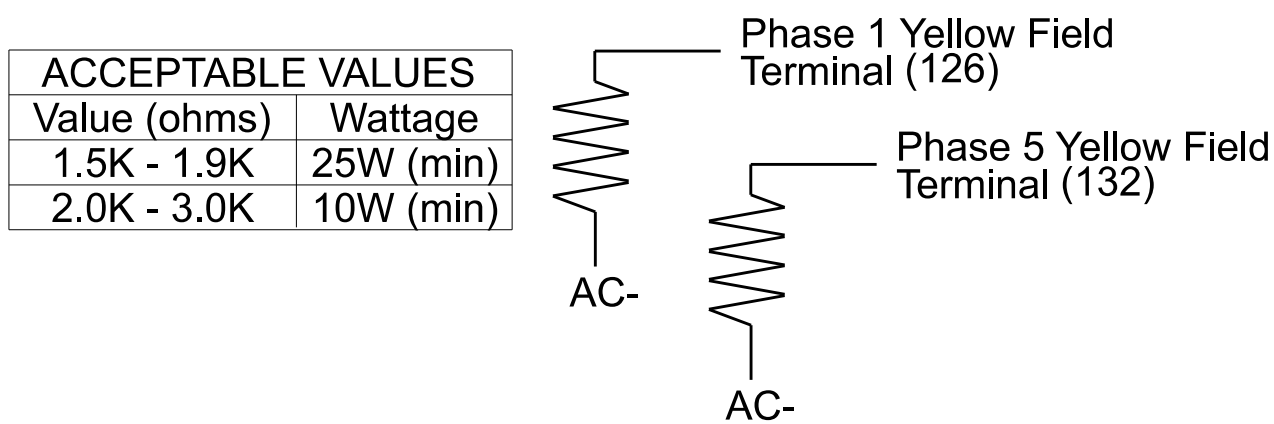
NOTE:
INSTALL DC ISOLATORS
IN INPUT FILE SLOTS
I12 AND I13.

*System detector only. Remove any assigned vehicle phase.



LOAD RESISTOR INSTALLATION DETAIL

(install resistors as shown)



ACCEPTABLE VALUES	
Value (ohms)	Wattage
1.5K - 1.9K	25W (min)
2.0K - 3.0K	10W (min)

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-0450
DESIGNED: May 2026
SEALED: 06/04/2026
REVISED: N/A

AECOM
NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200, Raleigh, NC 27607
Phone: 919-461-1100

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For:	SR 2123 (Lexington Avenue) at SR 1792 (Martin Luther King Drive) / SR 2085 (Baptist Childrens Home Road)	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
Prepared for the Offices of:	Division 9 Davidson County Thomasville	SEAL NORTH CAROLINA PROFESSIONAL SEAL 07438 ENGINEER JAMES O. DEATON
PLAN DATE: May 2026	REVIEWED BY: J O Deaton	Signed by: James O. Deaton 6/4/2026
PREPARED BY: M W Yalch	REVIEWED BY:	DATE
REVISIONS	INIT.	DATE
750 N. Greenfield Pkwy, Garner, NC 27529		
		SIG. INVENTORY NO. 09-0450

4-JUL-2026 21:02
p:\a\acomm\nc-pw\benh\ey.com\AECOM_USA_NorTh_Carol\nc\Documents\60782169-2026_TAP_Signal_Upgrade\900-CAD_615\910_CAD\1_Signal_Upgrade\050450_sm.e_20260604.dgn
HONG

MAXTIME STARTUP AND SOFTWARE FLASH
PROGRAMMING DETAIL

Front Panel
Main Menu >Controller >Unit

Web Interface
Home >Controller >Unit

Modify parameters as shown below and save changes.

Start Up Parameters
StartUp Clearance Hold
6

Unit Flash Parameters
All Red Flash Exit Time
6

OVERLAP PROGRAMMING

Front Panel
Main Menu >Controller >Overlap >Overlap Parameters/Overlap Timings

Web Interface
Home >Controller >Overlap Configuration >Overlaps

Overlap Plan 1

Overlap	1	2	3	4
Type	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section
Included Phases	2	4	6	8
Modifier Phases	1	-	5	-
Modifier Overlaps	-	-	-	-
Trail Green	0	0	0	0
Trail Yellow	0.0	0.0	0.0	0.0
Trail Red	0.0	0.0	0.0	0.0

OUTPUT CHANNEL CONFIGURATION

Front Panel
Main Menu >Controller >More>Channels>Channels Config

Web Interface
Home >Controller >Advanced IO>Channels>Channel Configuration

Channel Configuration

Channel	Control Type	Control Source	Flash Yellow	Flash Red	Flash Alt	MMU Channel
1	Phase Vehicle	1		X	X	1
2	Phase Vehicle	2		X		2
3	Phase Vehicle	3		X	X	3
4	Phase Vehicle	4		X		4
5	Phase Vehicle	5		X		5
6	Phase Vehicle	6		X	X	6
7	Phase Vehicle	7		X		7
8	Phase Vehicle	8		X	X	8
9	Overlap	1		X	X	9
10	Overlap	2		X	X	10
11	Overlap	3		X		11
12	Overlap	4		X		12
13	Phase Ped	2				13
14	Phase Ped	4				14
15	Phase Ped	6				15
16	Phase Ped	8				16
17	Overlap	5		X	X	17
18	Overlap	6		X		18

ACCESSIBLE PEDESTRIAN SIGNAL (APS)
INSTALLATION NOTES

1. Install push buttons and APS equipment per manufacturer's instructions.
2. Provide a dedicated cable to each push button per manufacturer's instructions.
3. If APS equipment is mounted in cabinet, use filtered power (i.e., Controller Receptacle) to power APS equipment.
Do not use Equipment Receptacle, which is a GFCI outlet.
4. Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation or unless explicitly allowed by the manufacturer.
5. Place manufacturer's instructions in cabinet with cabinet prints, signal plans, and electrical details.
6. An APS push button station that is designed to work without the need for interfacing with a pedestrian signal head shall be installed for applications where a push button is installed in a median without a pedestrian signal head.
7. A push button with a single tactile arrow that points in both directions of travel shall be installed if the median separates two parallel crosswalks.

FLASHER CIRCUIT MODIFICATION DETAIL

IN ORDER TO INSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

1. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.
2. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.
3. REMOVE FLASHER UNIT 2.

THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-0450
DESIGNED: May 2026
SEALED: 06/04/2026
REVISED: N/A

AECOM
NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200, Raleigh, NC 27607
Phone: 919-461-1100

Electrical Detail - Sheet 2 of 2

Electrical and Programming
Details For:

Prepared for the Offices of:

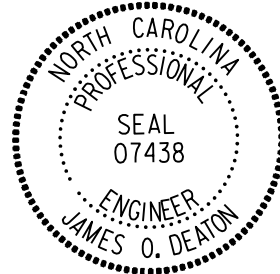
750 N. Greenfield Pkwy, Garner, NC 27529

SR 2123 (Lexington Avenue)
at
SR 1792 (Martin Luther King Drive) /
SR 2085 (Baptist Childrens Home Road)
Division 9Davidson CountyThomasville

PLAN DATE: May 2026
REVIEWED BY: J O Deaton
PREPARED BY: M W Yalch
REVIEWED BY:

REVISIONS
INIT. DATE

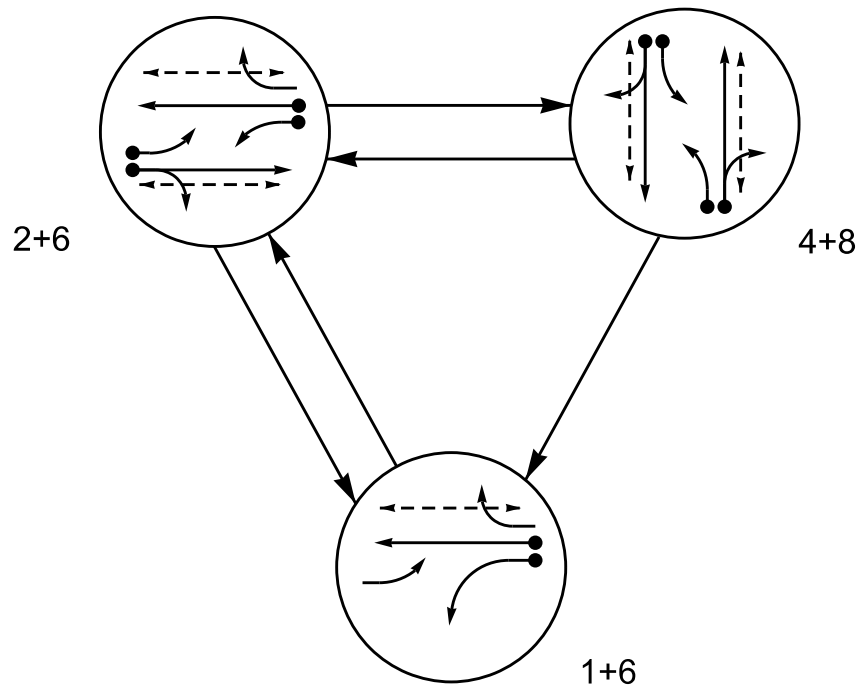
DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL

Seal 07438
ENGINEER
JAMES O. DEATON

DocuSigned by
James O. Deaton
6/4/2026
46FF8AC430BD40F
DATE
SIG. INVENTORY NO. 09-0450

PROJECT REFERENCE NO.	SHEET NO.
BN-00311A	Sig 2.0

PHASING DIAGRAM



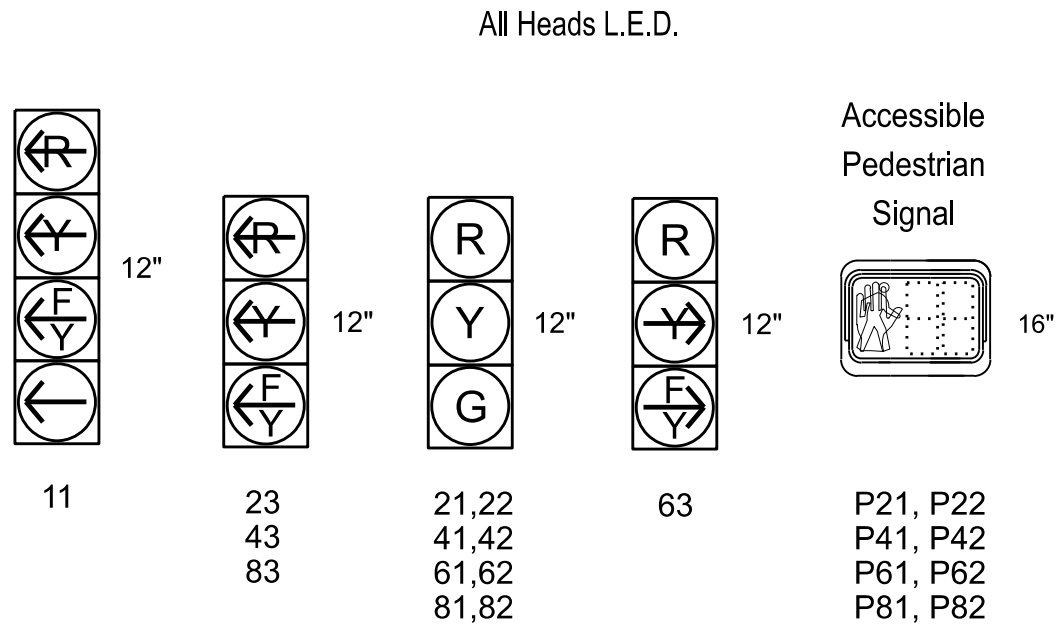
PHASING DIAGRAM DETECTION LEGEND

- DETECTED MOVEMENT
- UNDETECTED MOVEMENT (OVERLAP)
- UNSIGNALIZED MOVEMENT
- PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	6+1	6+2	6+4	10+1
11	←	→	→	→
21,22	R	G	R	R
23	←	←	→	→
41,42	R	R	G	R
43	→	→	←	→
61,62	G	G	R	R
63	←	←	→	→
81,82	R	R	G	R
83	→	→	←	→
P21, P22	DW	W	DW	DRK
P41, P42	DW	DW	W	DRK
P61, P62	W	W	DW	DRK
P81, P82	DW	DW	W	DRK

SIGNAL FACE I.D.



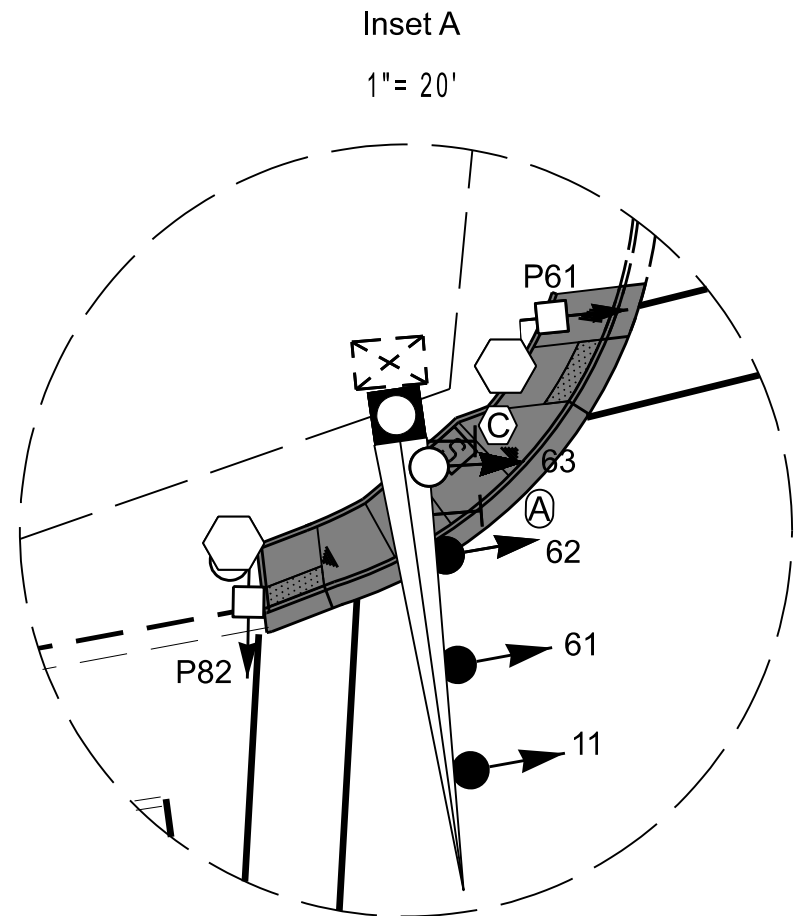
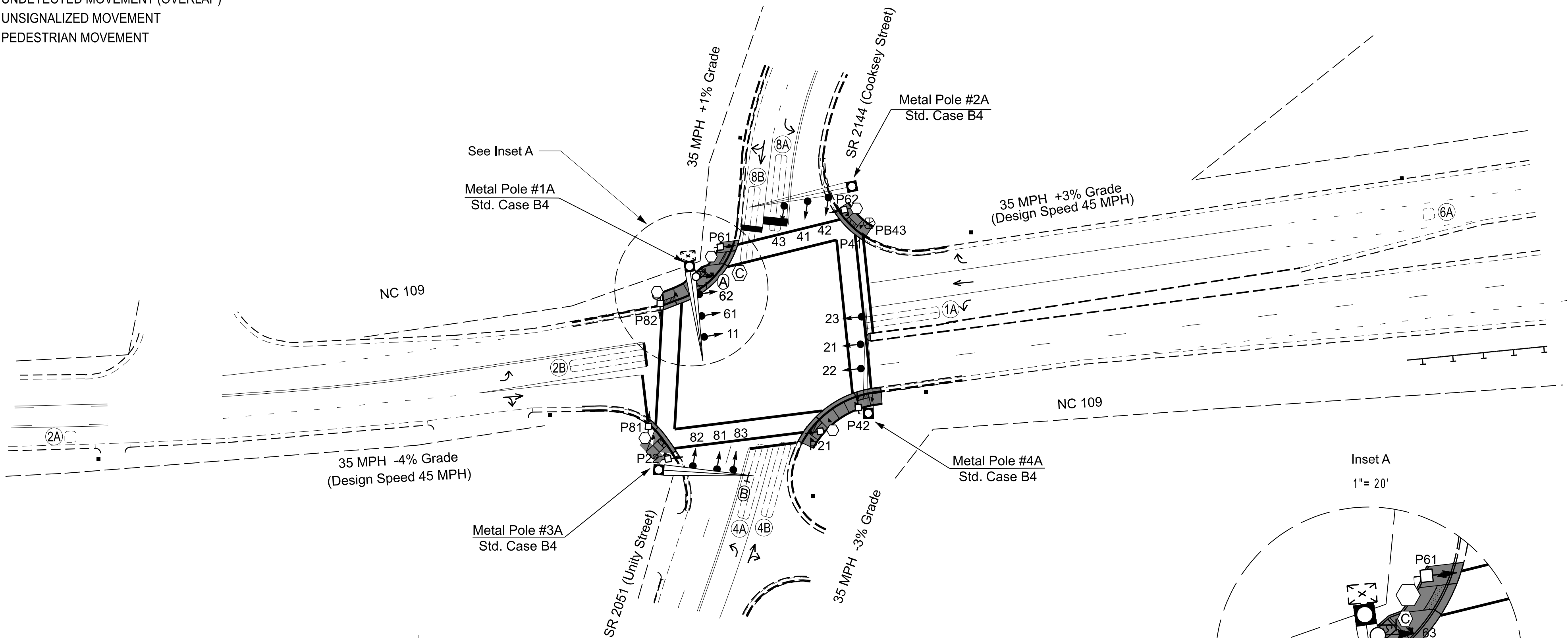
MAXTIME DETECTOR INSTALLATION CHART

DETECTOR					PROGRAMMING						
LOOP	SIZE (FT)	DISTANCE FROM STOP LINE (FT)	TURN	NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL DELAY DURING GREEN	NEW CARD
1A	6X40	+5	2-4-2	-	1	15.0	-	X	-	X	-
2A	6X6	300	EXISTING	-	6	3.0	-	X	-	X	-
2B	6X40	0	2-4-2	-	2	3.0	-	X	-	X	-
4A	6X40	0	2-4-2	-	4	3.0	-	X	-	X	-
4B	6X40	0	2-4-2	-	4	10.0	-	X	-	X	-
6A	6X6	300	EXISTING	-	6	-	-	X	X	X	-
8A	6X40	+5	2-4-2	-	8	3.0	-	X	-	X	-
8B	6X40	+15	2-4-2	-	8	10.0	-	X	-	X	-

3 Phase
Fully Actuated
(NC 109 - 185 Bus - US 29-70 Ramps) CLS
Signal System #: D09-24_Thomasville

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 may be lagged.
- Set all detector units to presence mode.
- Omit "WALK" and flashing "DON'T WALK" with no pedestrian calls.
- Program pedestrian heads to countdown the flashing "Don't Walk" time only.
- To provide a leading pedestrian interval on phase 6, program FYA heads numbered 23 and 63 to delay for 7 seconds after the start of the phase 6 walk interval. See Electrical Details for programming.
- This intersection features accessible pedestrian signals utilizing percussive tone walk indications and/or speech messages.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.



LEGEND

PROPOSED	EXISTING

MAXTIME TIMING CHART

FEATURE	PHASE				
	1	2	4	6	8
Walk *	-	7	7	7	7
Ped Clear	-	19	18	16	22
Min Green *	7	12	7	12	7
Passage *	2.0	6.0	2.0	6.0	2.0
Max 1 *	25	100	45	100	45
Yellow Change	3.0	4.9	4.1	4.9	4.1
Red Clear	2.9	1.7	2.2	1.7	2.2
Added Initial *	-	2.5	-	2.5	-
Maximum Initial *	-	34	-	34	-
Time Before Reduction *	-	20	-	20	-
Time To Reduce *	-	50	-	50	-
Minimum Gap	-	3.0	-	3.0	-
Advance Walk	-	7	7	**	7
Non Lock Detector	X	-	X	-	X
Vehicle Recall	-	MIN RECALL	-	MIN RECALL	-
Dual Entry	-	-	X	-	X

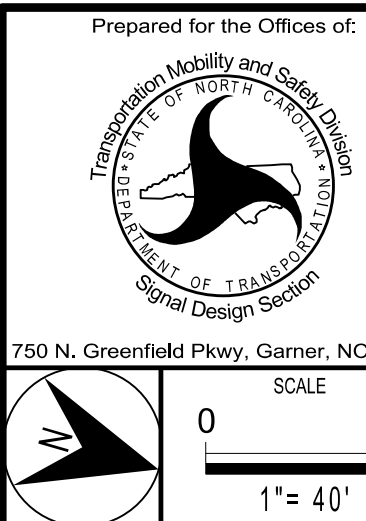
* These values may be field adjusted. Do not adjust Min Green and Passage times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.
** See Note 7.

ACCESSIBLE PEDESTRIAN SIGNAL OPERATION

SIGNAL FACE	VOICE	TONES	INTERVAL	SPEECH MESSAGE
P21	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Unity.
P22	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Unity.
P42	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to Cross NC 109.
PB43	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to Cross NC 109.
P61	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Cooksey.
P62	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Cooksey.
P81	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to Cross NC 109.
P82	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to Cross NC 109.

Signal Upgrade

AECOM
NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200 Raleigh, NC 27607
Phone: 919-461-1100



NC 109 at SR 2144 (Cooksey Street) / SR 2051 (Unity Street)		N. of Thomasville	
Division 9		Davidson County	
PLAN DATE: May 2026	REVIEWED BY: R. Garrett		
PREPARED BY: X. Han	REVIEWED BY:		
REVISIONS	INIT.	DATE	
		06/04/2026	
SIGNED BY: <i>David H. Hester</i>		DATE: 06/04/2026	
57587663814402		DATE: 06/04/2026	
SIG. INVENTORY NO.		09-1255	

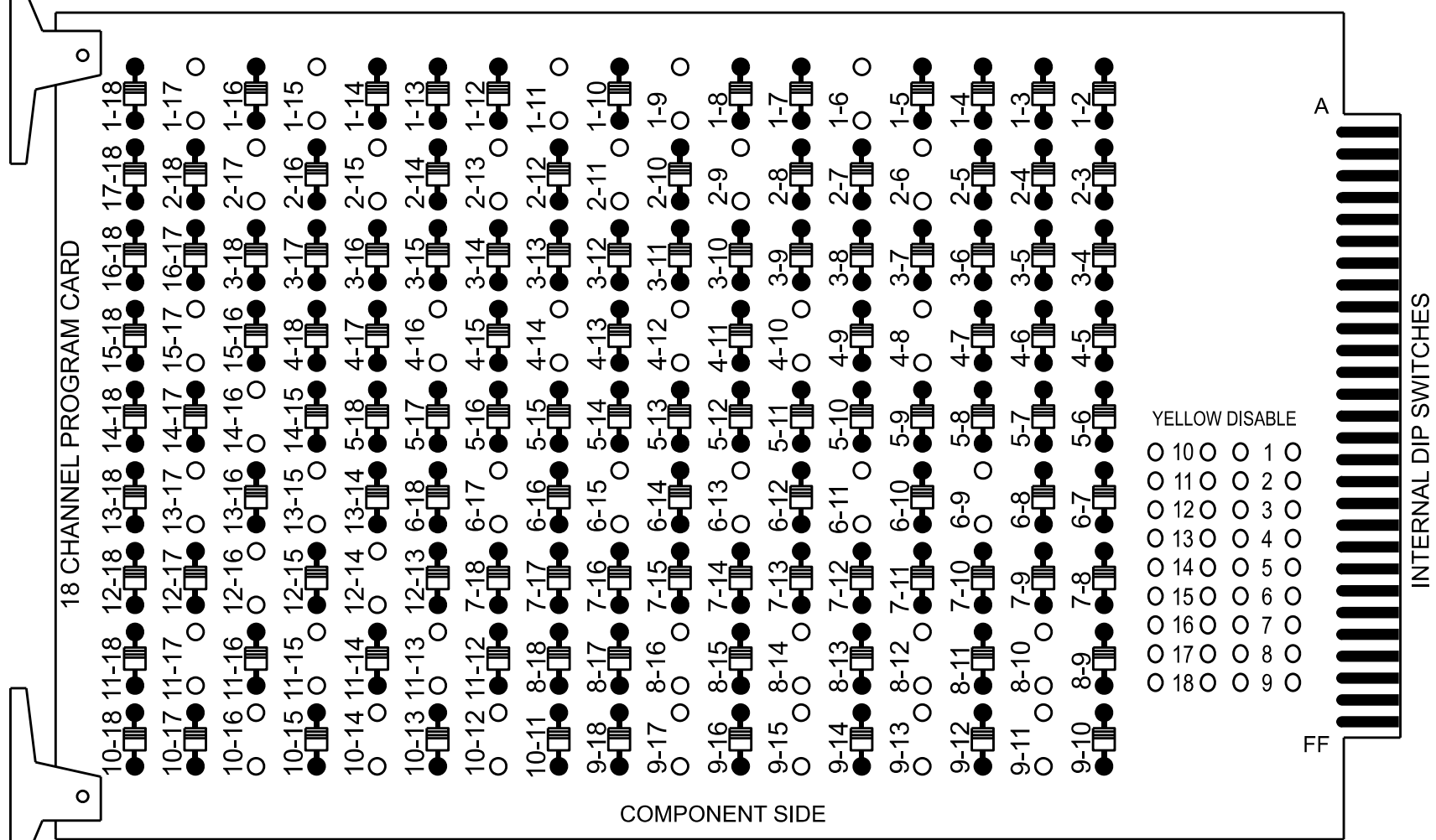
DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED



18 CHANNEL IP CONFLICT MONITOR
PROGRAMMING DETAIL

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 1-6, 1-9, 1-11, 1-15, 1-17, 2-6, 2-9, 2-11, 2-13, 2-15, 2-17, 4-8, 4-10, 4-12, 4-14, 4-16, 6-9, 6-11, 6-13, 6-15, 6-17, 8-10, 8-12, 8-14, 8-16, 9-11, 9-13, 9-15, 9-17, 10-12, 10-14, 10-16, 11-13, 11-15, 11-17, 12-14, 12-16, 13-15, 13-17, 14-16 AND 15-17.



REMOVE JUMPERS AS SHOWN

NOTES:

- Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
- Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
- Ensure that the Red Enable is active at all times during normal operation.
- Integrate monitor with Ethernet network in cabinet.

NOTES

- To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.
- Program phases 4 and 8 for Dual Entry.
- Program controller to start up in phase 2 Green No Walk and phase 6 Green No Walk.
- If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.
- The cabinet and controller are part of the NC 109 - I85 Bus - US 29-70 Ramps CLS, D09-24 Thomasville Signal System.

EQUIPMENT INFORMATION

Controller.....2070LX
Cabinet.....332 w/ Aux
Software.....Q-Free MAXTIME
Cabinet Mount.....Base
Output File Positions.....18 With Aux. Output File
Load Switches Used.....S1, S2, S3, S5, S6, S8, S9, S11, S12, AUX S1
AUX S2, AUX S3, AUX S4, AUX S5
Phases Used.....1,2, 2PED, 4, 4PED, 6, 6PED, 8, 8PED
Overlap "1".....*
Overlap "2".....*
Overlap "3".....*
Overlap "4".....*
Overlap "5".....*

*See overlap programming detail on sheet 2.

SIGNAL HEAD HOOK-UP CHART

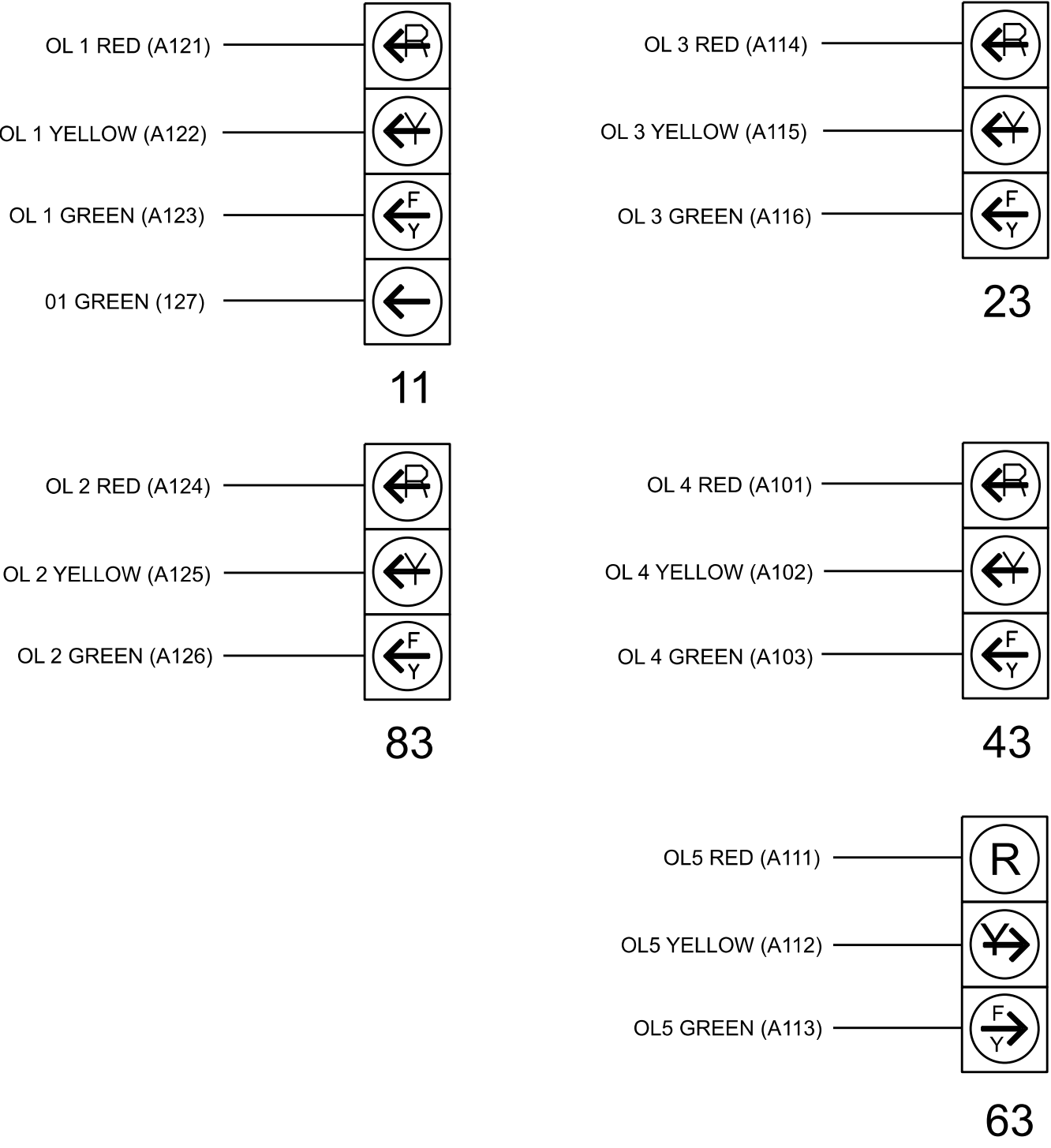
LOAD SWITCH NO.	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	AUX S1	AUX S2	AUX S3	AUX S4	AUX S5	AUX S6
CMU CHANNEL NO.	1	2	13	3	4	14	5	6	15	7	8	16	9	10	17	11	12	18
PHASE	1	2	2 PED	3	4	4 PED	5	6	6 PED	7	8	8 PED	OL1	OL2	OL5	OL3	OL4	SPARE
SIGNAL HEAD NO.	11	21,22	P21, P22	NU	41,42	P41, P42	NU	61,62	P61, P62	NU	81,82	P81, P82	11	83	63	23	43	NU
RED		128			101			134			107				A111			
YELLOW	*	129			102			135			108							
GREEN		130			103			136			109							
RED ARROW													A121	A124		A114	A101	
YELLOW ARROW													A122	A125	A112	A115	A102	
FLASHING YELLOW ARROW													A123	A126	A113	A116	A103	
GREEN ARROW	127																	
Hand icon				113		104			119			110						
Walking person icon				115		106			121			112						

NU = Not Used

- * Denotes install load resistor. See load resistor installation detail this sheet.
- * See pictorial of head wiring in detail this sheet.

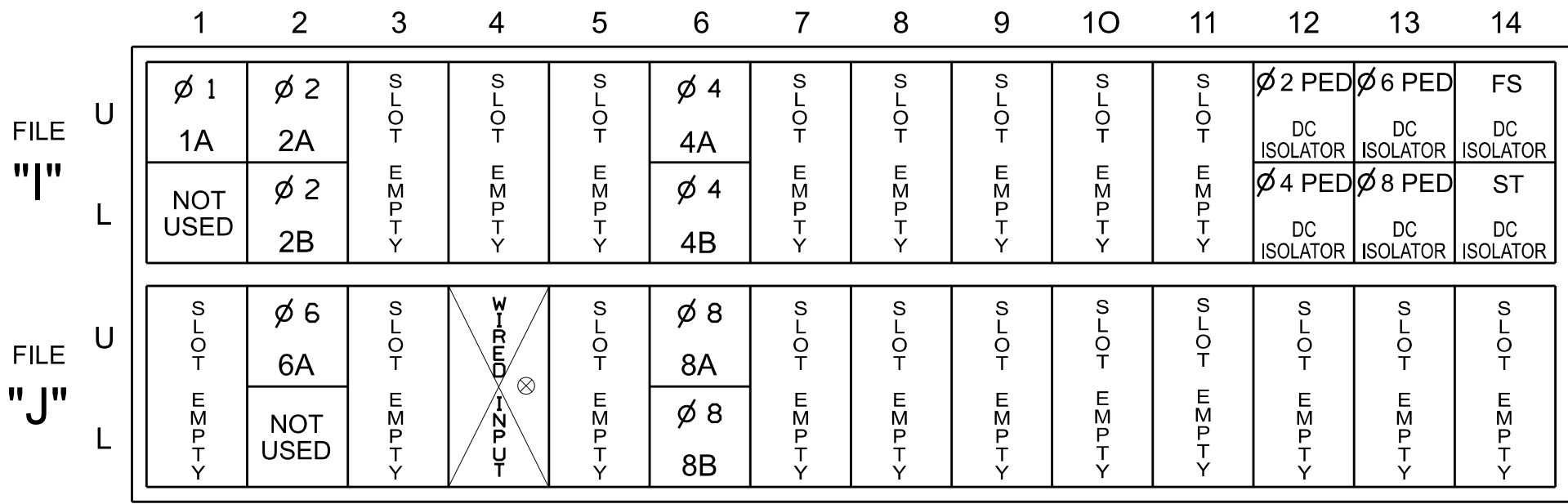
FYA SIGNAL WIRING DETAIL

(wire signal heads as shown)



INPUT FILE POSITION LAYOUT

(front view)

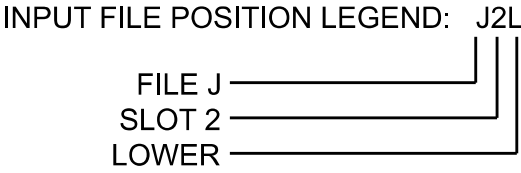


NOTE: IF PRESENT, REMOVE EXISTING JUMPERS ASSOCIATED W/ DETECTOR SLOT J4 FROM REAR OF INPUT FILE.

INPUT FILE CONNECTION & PROGRAMMING CHART

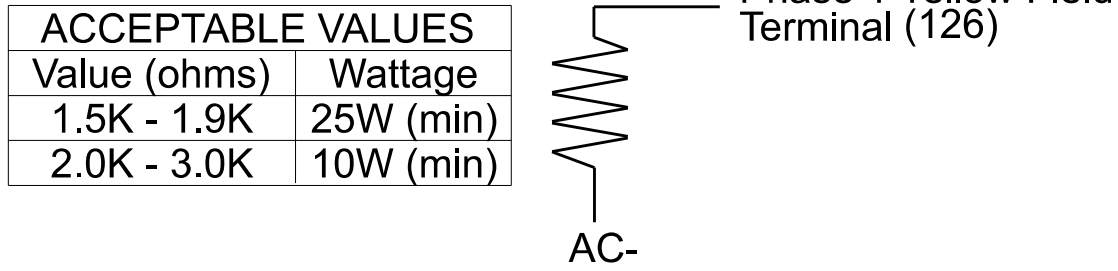
LOOP NO.	LOOP TERMINAL	INPUT FILE POS.	PIN NO.	INPUT POINT	DETECTOR NO.	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
1A	TB2-1,2	I1U	56	18	1	1	15.0		X		X	
2A	TB2-5,6	I2U	39	1	2	2	3.0		X	X	X	X
2B	TB2-7,8	I2L	43	5	3	2	3.0		X		X	X
4A	TB4-9,10	I6U	41	3	8	4	3.0		X		X	
4B	TB4-11,12	I6L	45	7	9	4	10.0		X		X	
6A	TB3-5,6	J2U	40	2	16	6			X	X	X	
8A	TB5-9,10	J6U	42	4	22	8	3.0		X		X	
8B	TB5-11,12	J6L	46	8	23	8	10.0		X		X	
PED PUSH BUTTONS												
P21,P22	TB8-4,6	I12U	67	33	2	PED 2						
P41,P42	TB8-5,6	I12L	69	35	4	PED 4						
P61,P62	TB8-7,9	I13U	68	34	6	PED 6						
P81,P82	TB8-8,9	I13L	70	36	8	PED 8						

NOTE: INSTALL DC ISOLATORS IN INPUT FILE SLOTS I12 AND I13.



LOAD RESISTOR INSTALLATION DETAIL

(install resistor as shown)



THIS ELECTRICAL DETAIL IS FOR THE SIGNAL DESIGN: 09-1255
DESIGNED: May 2026
SEALED: 06/04/2026
REVISED: N/A

AECOM
NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200, Raleigh, NC 27607
Phone: 919-461-1100

Electrical Detail - Sheet 1 of 2

Electrical and Programming Details For:	NC 109 at SR 2144 (Cooksey Street) / SR 2051 (Unity Street)	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED
Prepared for the Offices of:	Division 9 Davidson County N. of Thomasville	SEAL
PLAN DATE: May 2026	REVIEWED BY: J O Deaton	SEAL 07438
PREPARED BY: M W Yalch	REVIEWED BY:	ENGINEER JAMES O. DEATON
REVISIONS	INIT.	DATE
750 N. Greenfield Pkwy, Garner, NC 27529		James O. Deaton 06/05/2026
		DATE
		SIG. INVENTORY NO. 09-1255

F:\JULY-2026_10453
DWG\AECOM-NC-PW-Bentley.com-AECOM-USA_Nor-Th_Carolina/Documents/60782169-2026_TAP_Signal_Upgrade/900-CAD_615/910_CAD/1_Signal/Divisions/9/09-1255/091255_sml_e_20260604.dgn
HONG

MAXTIME STARTUP AND SOFTWARE FLASH
PROGRAMMING DETAIL

Front Panel
Main Menu >Controller >Unit

Web Interface
Home >Controller >Unit

Modify parameters as shown below and save changes.

Start Up Parameters
StartUp Clearance Hold
6

Unit Flash Parameters
All Red Flash Exit Time
6

OVERLAP PROGRAMMING

Front Panel
Main Menu >Controller >Overlap >Overlap Parameters/Overlap Timings

Web Interface
Home >Controller >Overlap Configuration >Overlaps

Overlap Plan 1

Overlap	1	2	3	4	5
Type	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section
Included Phases	2	8	6	4	6
Modifier Phases	1	-	-	-	-
Modifier Overlaps	-	-	-	-	-
Trail Green	0	0	0	0	0
Trail Yellow	0.0	0.0	0.0	0.0	0.0
Trail Red	0.0	0.0	0.0	0.0	0.0
FYA Ped Delay	0.0	0.0	5.0	0.0	5.0

OUTPUT CHANNEL CONFIGURATION

Front Panel
Main Menu >Controller >More>Channels>Channels Config

Web Interface
Home >Controller >Advanced IO>Channels>Channel Configuration

Channel Configuration

Channel	Control Type	Control Source	Flash Yellow	Flash Red	Flash Alt	MMU Channel
1	Phase Vehicle	1		X	X	1
2	Phase Vehicle	2		X		2
3	Phase Vehicle	3		X	X	3
4	Phase Vehicle	4		X		4
5	Phase Vehicle	5		X		5
6	Phase Vehicle	6		X	X	6
7	Phase Vehicle	7		X		7
8	Phase Vehicle	8		X	X	8
9	Overlap	1		X	X	9
10	Overlap	2		X	X	10
11	Overlap	3		X		11
12	Overlap	4		X		12
13	Phase Ped	2				13
14	Phase Ped	4				14
15	Phase Ped	6				15
16	Phase Ped	8				16
17	Overlap	5		X	X	17
18	Overlap	6		X		18

ACCESSIBLE PEDESTRIAN SIGNAL (APS)
INSTALLATION NOTES

1. Install push buttons and APS equipment per manufacturer's instructions.
2. Provide a dedicated cable to each push button per manufacturer's instructions.
3. If APS equipment is mounted in cabinet, use filtered power (i.e., Controller Receptacle) to power APS equipment. Do not use Equipment Receptacle, which is a GFCI outlet.
4. Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation or unless explicitly allowed by the manufacturer.
5. Place manufacturer's instructions in cabinet with cabinet prints, signal plans, and electrical details.
6. An APS push button station that is designed to work without the need for interfacing with a pedestrian signal head shall be installed for applications where a push button is installed in a median without a pedestrian signal head.
7. A push button with a single tactile arrow that points in both directions of travel shall be installed if the median separates two parallel crosswalks.

FLASHER CIRCUIT MODIFICATION DETAIL

IN ORDER TO ENSURE THAT SIGNALS FLASH CONCURRENTLY ON THE SAME APPROACH, MAKE THE FOLLOWING FLASHER CIRCUIT CHANGES:

1. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-4 AND TERMINATE ON T2-2.
2. ON REAR OF PDA - REMOVE WIRE FROM TERM. T2-5 AND TERMINATE ON T2-3.
3. REMOVE FLASHER UNIT 2.

THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

COUNTDOWN PEDESTRIAN SIGNAL OPERATION

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

Electrical Detail - Sheet 2 of 2

Electrical and Programming Details For:		NC 109 at SR 2144 (Cooksey Street) / SR 2051 (Unity Street)		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared for the Offices of:		Division 9 Davidson County N. of Thomasville		SEAL NORTH CAROLINA PROFESSIONAL SEAL 07438 ENGINEER JAMES O. DEATON	
750 N. Greenfield Pkwy, Garner, NC 27529		PLAN DATE: May 2026 PREPARED BY: M W Yalch REVIEWED BY: J O Deaton		Designted by: James O. Deaton 06/05/2026 DATE	
		REVISIONS		INIT. DATE	
				SIG. INVENTORY NO. 09-1255	

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-1255
DESIGNED: May 2026
SEALED: 06/04/2026
REVISED: N/A

AECOM
NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200, Raleigh, NC 27607
Phone: 919-461-1100

(remove jumpers and set switches as shown)

REMOVE DIODE JUMPERS 2-6, 2-9, 2-11, 2-13, 2-15, 4-8, 4-10, 4-12, 4-16, 6-9, 6-11, 6-13, 6-15, 8-10, 8-12, 8-16, 9-11, 9-13, 9-15, 10-12, 10-16, 11-13, 11-15, 12-16 AND 13-15.



1. Card is provided with all diode jumpers in place. Removal of any jumper allows its channels to run concurrently.
2. Ensure jumpers SEL2-SEL5 and SEL9 are present on the monitor board.
3. Ensure that the Red Enable is active at all times during normal operation.
4. Connect serial cable from conflict monitor to comm. port 1 of 2070 controller. Ensure conflict monitor communicates with 2070.



1. To prevent "flash-conflict" problems, insert red flash program blocks for all vehicle load switches in the output file. The installer shall verify that signal heads flash in accordance with the signal plan.
2. Program phases 4 and 8 for Dual Entry.
3. Program controller to start up in phase 2 Green No Walk and phase 6 Green No Walk.
4. If this signal will be managed by an ATMS software, enable controller and detector logging for all detectors used at this location.

Controller.....	2070LX
Cabinet.....	332 w/ Aux
Software.....	Q-Free MAXTIME
Cabinet Mount.....	Base
Output File Positions.....	18 With Aux. Output File
Load Switches Used.....	S2, S3, S5, S8, S9, S11, S12, AUX S1, AUX S2, AUX S4, AUX S5
Phases Used.....	2, 2PED, 4, 6, 6PED, 8, 8PED
Overlap "1".....	*
Overlap "2".....	*
Overlap "3".....	*
Overlap "4".....	*

*See overlap programming detail on sheet 2.

(front view)



FS = FLASH SENSE
ST = STOP TIME

[illegible]

INPUT FILE POSITION LEGEND: J2L

FILE J _____

SLOT 2 _____

LOWER _____

Modify parameters as shown below and save changes.

StartUp Clearance Hold
6

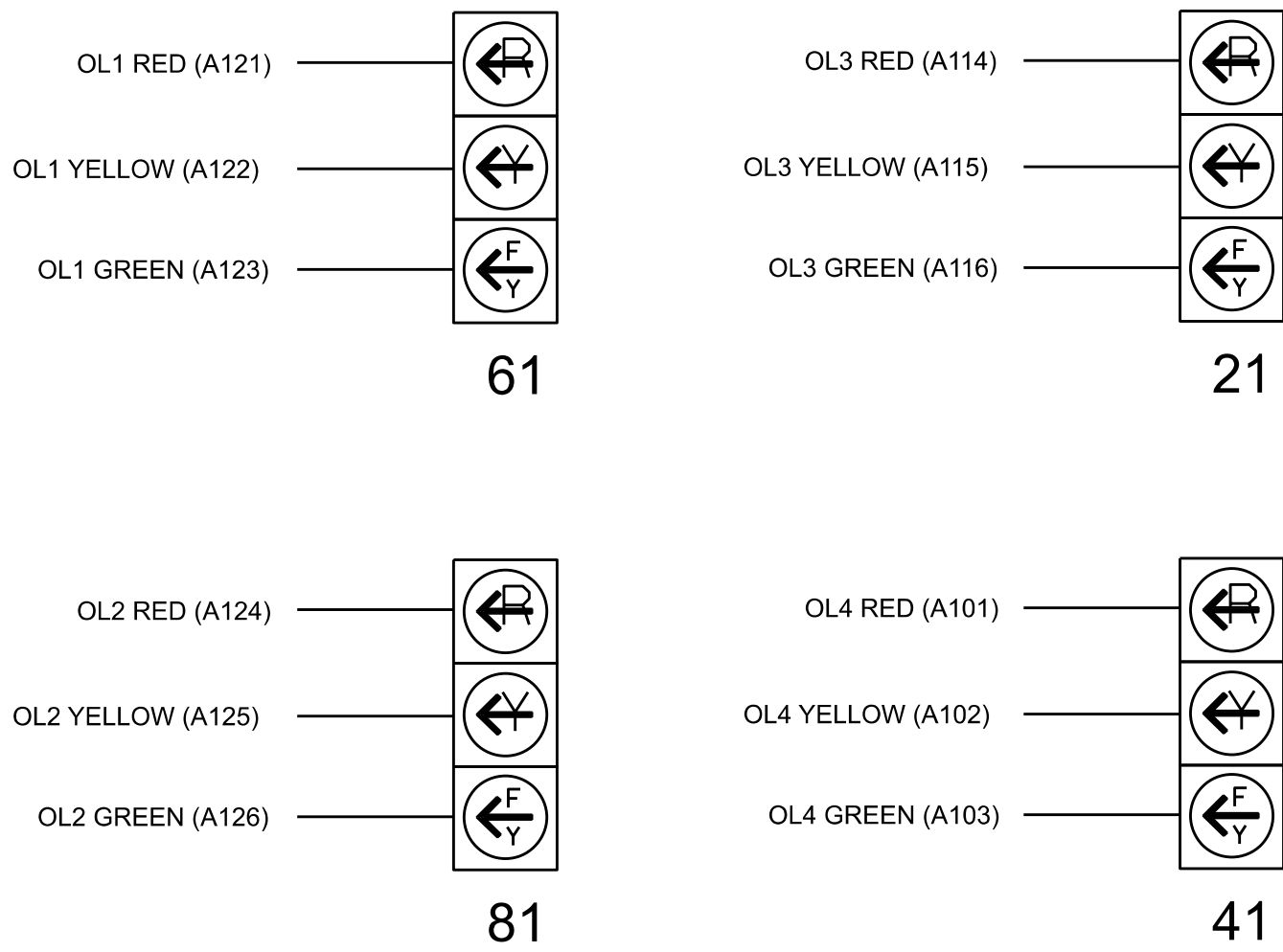
All Red Flash Exit Time
6

Countdown Ped Signals are required to display timing only during Ped Clearance Interval. Consult Ped Signal Module user's manual for instructions on selecting this feature.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 09-0324
DESIGNED: May 2026
SEALED: 06/04/2026
REVISED: N/A

AECOM
NC Firm License No.: F-0342
5438 Wade Park Boulevard
Suite 200, Raleigh, NC 27607
Phone: 919-461-1100

(wire signal heads as shown)



Electrical Detail - Sheet 1 of 2

Electrical and Programming
Details For:

SR 2165 (Turner Street)/
SR 2055 (Liberty Drive)
at
SR 2053 (Blair Street)

Division 9 Davidson County Thomasville

PLAN DATE: May 2026	REVIEWED BY: J O Deaton
---------------------	-------------------------

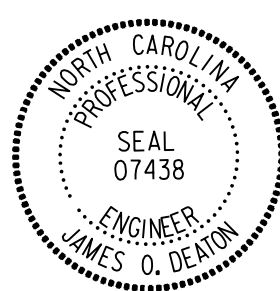
PREPARED BY: M W Yalch	REVIEWED BY:
------------------------	--------------

REVISIONS	INIT.	DATE
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.....		

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

SEAL



DocuSigned by:

James C. Deaton 06/04/202

40FF8AC430BD40F... DATE 00 0000

1. Install push buttons and APS equipment per manufacturer's instructions.
2. Provide a dedicated cable to each push button per manufacturer's instructions.
3. If APS equipment is mounted in cabinet, use filtered power (i.e., Controller Receptacle) to power APS equipment.
Do not use Equipment Receptacle, which is a GFCI outlet.
4. Never attempt to operate a standard contact closure push button with the APS system unless cabinet is re-wired for standard button operation or unless explicitly allowed by the manufacturer.
5. Place manufacturer's instructions in cabinet with cabinet prints, signal plans, and electrical details.
6. An APS push button station that is designed to work without the need for interfacing with a pedestrian signal head shall be installed for applications where a push button is installed in a median without a pedestrian signal head.
7. A push button with a single tactile arrow that points in both directions of travel shall be installed if the median separates two parallel crosswalks.

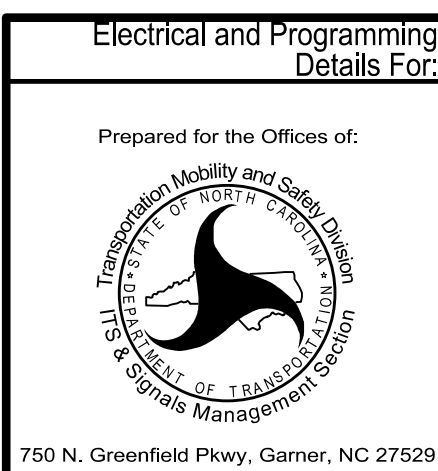
Channel	Control Type	Control Source	Flash Yellow	Flash Red	Flash Alt	MMU Channel
1	Phase Vehicle	1		X	X	1
2	Phase Vehicle	2		X		2
3	Phase Vehicle	3		X	X	3
4	Phase Vehicle	4		X		4
5	Phase Vehicle	5		X		5
6	Phase Vehicle	6		X	X	6
7	Phase Vehicle	7		X		7
8	Phase Vehicle	8		X	X	8
9	Overlap	1		X	X	9
10	Overlap	2		X	X	10
11	Overlap	3		X		11
12	Overlap	4		X		12
13	Phase Ped	2				13
14	Phase Ped	4				14
15	Phase Ped	6				15
16	Phase Ped	8				16
17	Overlap	5		X	X	17
18	Overlap	6		X		18

Overlap	1	2	3	4
Type	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section
Included Phases	2	4	6	8
Modifier Phases	-	-	-	-
Modifier Overlaps	-	-	-	-
Trail Green	0	0	0	0
Trail Yellow	0.0	0.0	0.0	0.0
Trail Red	0.0	0.0	0.0	0.0

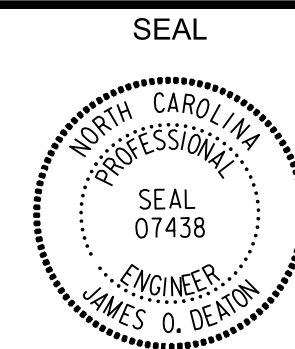
THE CHANGES LISTED ABOVE TIES ALL PHASES AND OVERLAPS TO FLASHER UNIT 1.

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

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Division 9		Davidson County		Thomasville	
PLAN DATE: May 2026		REVIEWED BY: J O Deaton			
PREPARED BY: M W Yalch		REVIEWED BY:			
REVISONS			INIT.		DATE
9					



DocuSigned by:
James O. Deaton 06/05/2021
40FF8AC430BD40F... DATE
SIG. INVENTORY NO. 09-0324