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CONTRACT: DG00681 TIP PROJECT: BO-2407B, BO-2407C

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
ALAMANCE, GUILFORD, ORANGE
AND ROCKINGHAM COUNTIES

LOCATION: *VARIOUS INTERSECTIONS IN
ALAMANCE, GUILFORD, ORANGE AND ROCKINGHAM COUNTY*
TYPE OF WORK: *INSTALLATION OF ADA COMPLIANT CURB RAMPS*

STATE	STATE PROJECT REFERENCE NO.		SHEET NO.	TOTAL SHEETS
N.C.	BO-2407		1	X
BO-2407B Orange Co. Rockingham Co.	STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
	50936.1.4	5093601	P.E.	
	50936.2.4		ROW	
	50936.2.44		UTIL.	
BO-2407C Alamance Co. Guilford Co.	50936.3.4	5093601	CONST.	
	STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
	50936.1.5	5093601	P.E.	
	50936.2.5		ROW	
	50936.2.55		UTIL.	
	50936.3.5	5093601	CONST.	

ROCKINGHAM COUNTY:
INSETS 1-15
Sheet No. 9,9A

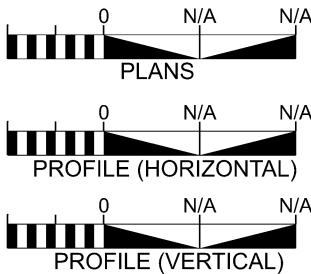
ALAMANCE COUNTY:
INSETS 1-21
Sheet No. 6

GUILFORD COUNTY:
INSETS 1-5
Sheet No. 7,7A

ORANGE COUNTY:
INSETS 1-8
Sheet No. 8

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GRAPHIC SCALES



DESIGN DATA

PROJECT LENGTH

Prepared in the Office of:
DIVISION 7 DDC UNIT
1584 YANCEYVILLE STREET, GREENSBORO, NC 27405
2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: N/A	BONNIE L. CAUDILL PROJECT ENGINEER
LETTING DATE: Sept. 17, 2026	TRUNG T. NGUYEN P.E. PROJECT DESIGN ENGINEER



5/26/20

BD-2407

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INCOMPLETE PLANS
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REVISIONS

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
2, 2A, 2B	ALAMANCE SUMMARY OF QUANTITIES
3	GUILFORD SUMMARY OF QUANTITIES
4	ORANGE SUMMARY OF QUANTITIES
5, 5A	ROCKINGHAM SUMMARY OF QUANTITIES
6	ALAMANCE VICINITY MAP
6A THRU 6F	ALAMANCE INSETS
7, 7A	GUILFORD VICINITY MAP
7B THRU 7C	GUILFORD INSETS
8	ORANGE VICINITY MAP
8A THRU 8C	ORANGE INSETS
9, 9A	ROCKINGHAM VICINITY MAP
9B THRU 9E	ROCKINGHAM INSETS
EC-1 THRU EC-2	EROSION CONTROL PLANS
SIG 1.0 THRU SIG 1.2	SIGNAL PLANS
S-1 THRU S-3	STANDARD DRAWINGS ADDENDUM

GENERAL NOTES:

EFF. 01-16-2024
REV.
2024 ROADWAY ENGLISH STANDARD DRAWINGS

2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

CURB RAMPS

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

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 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)
848.02	Driveway Turnout - Radius Type
848.03	Driveway Turnout - Drop Curb Type
848.06	Curb Ramp (Use Details in Lieu of Standards for Sheets 9 and 10 of 13)

WBS NO.	SHEET
50936.3.5	2

**** All Alamance County Ramps to have Brick Colored Truncated Domes**

BO-2407C Summary of Quantities - Alamance County

WBS NO.
50936.3.5

SHEET
2A

[illegible]

**** All Alamance County Ramps to have Brick Colored Truncated Domes**

BO-2407C Summary of Quantities - Guilford County

WBS NO.
50936.3.5

SHEET
3

[illegible]

BO-2407B Summary of Quantities - Orange County

WBS NO.
50936.3.4

SHEET
4

[illegible]

INSET 5
REMOVED

BO-2407B Summary of Quantities - Rockingham County

WBS NO. **SHEET**
50936.3.4 **5**

[illegible]

INSET 4
REMOVED

BO-2407B Summary of Quantities - Rockingham County

WBS NO.
50936.3.4

SHEET
5A

[illegible]

INSET 4
REMOVED

2026 CURB RAMP CONTRACT - ALAMANCE COUNTY

80-2407C

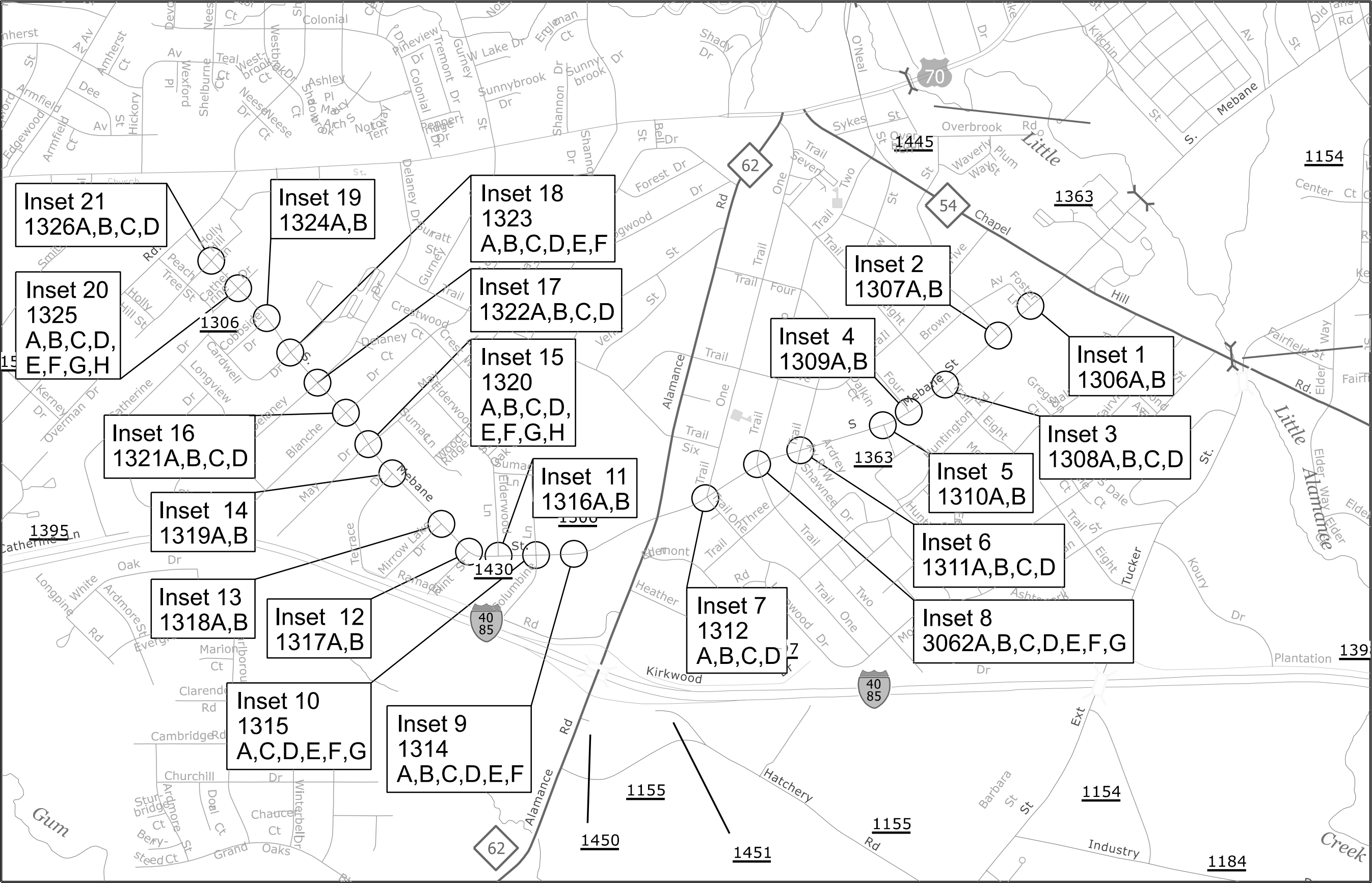
4RD1 | 6

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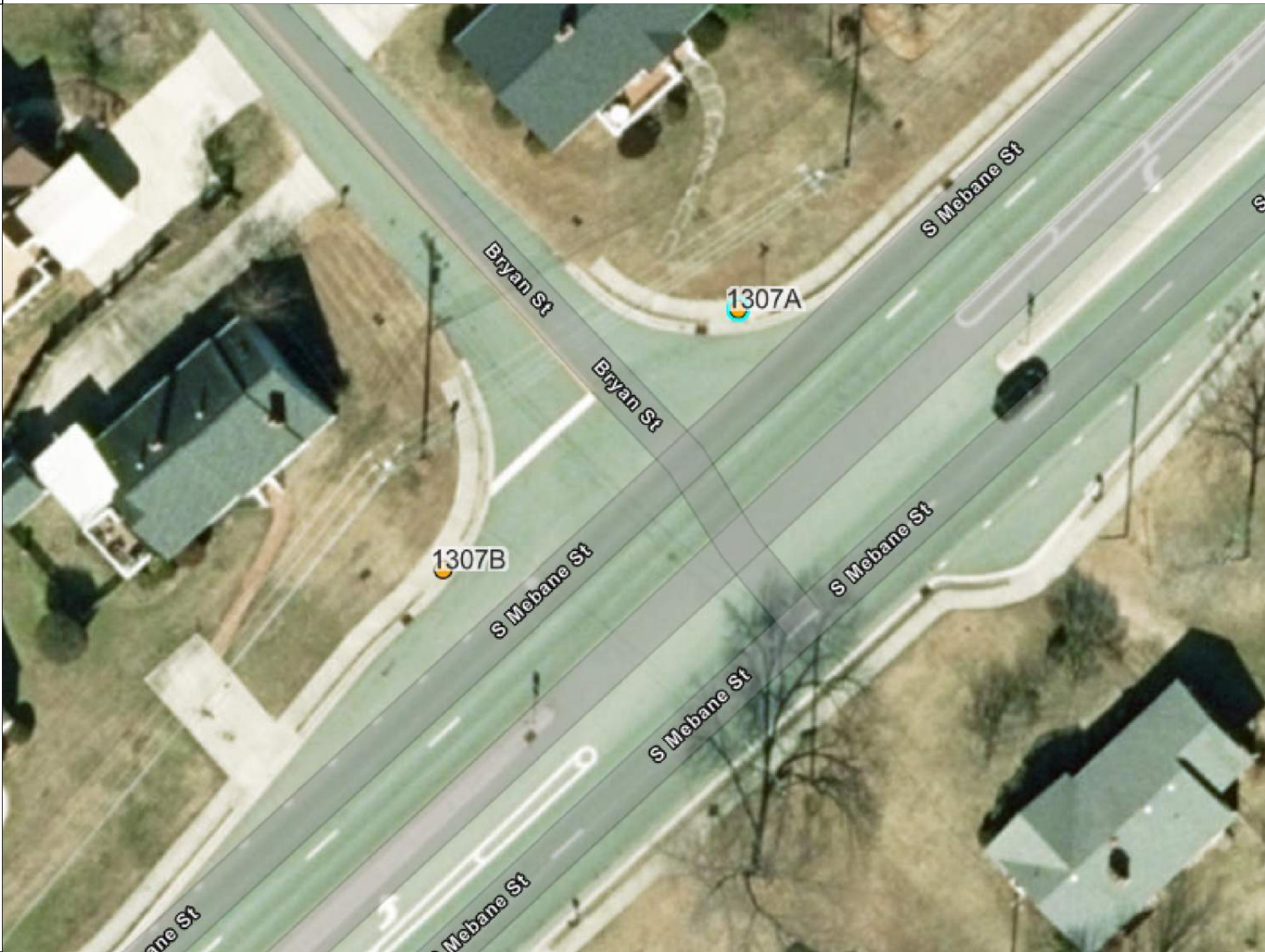
INSET 1: 1306
SR-1363 (S Mebane St) & Foster Ln



UPGRADE
RAMP 1306A
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1306B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

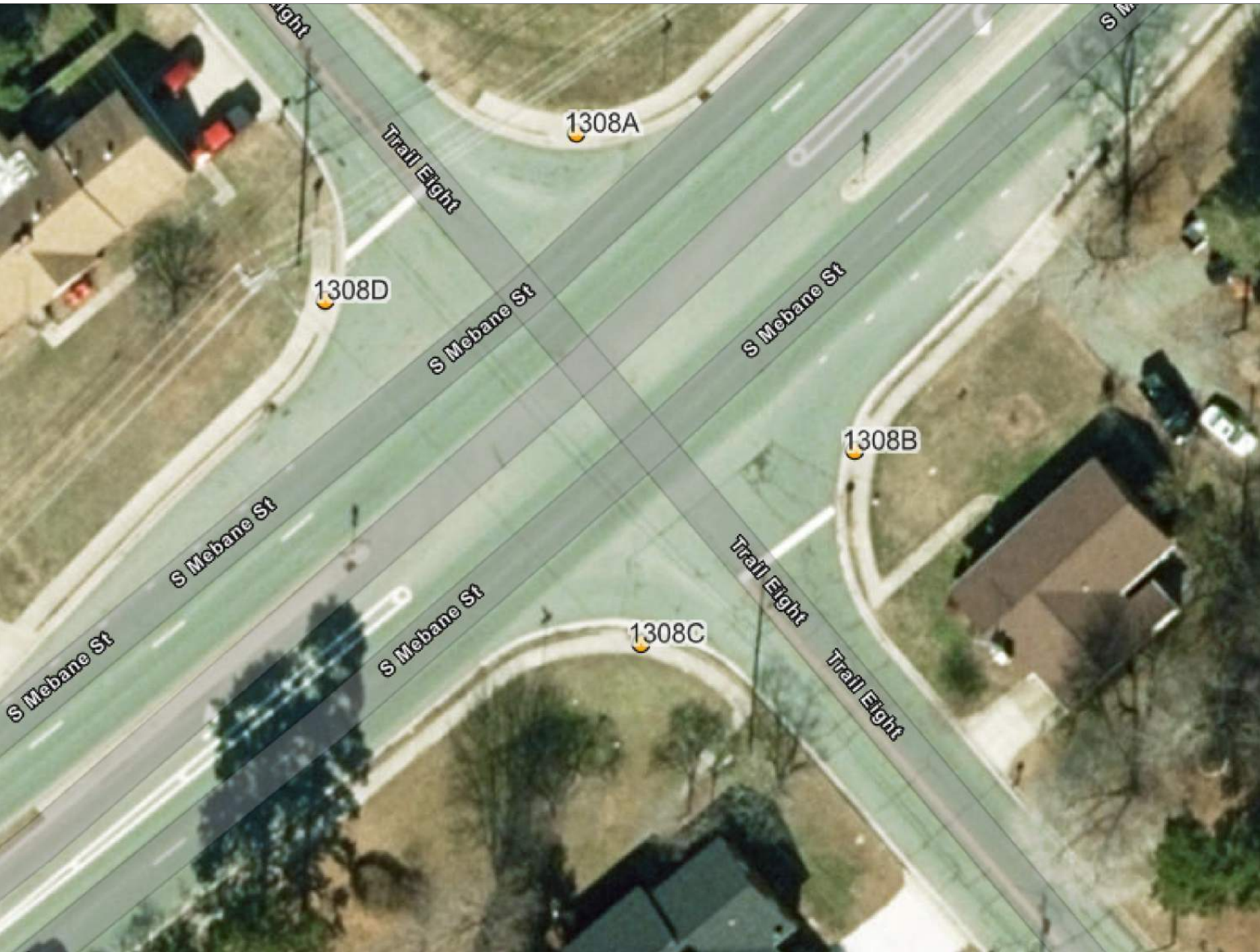
INSET 2: 1307
SR-1363 (S Mebane St) & Bryan St



UPGRADE
RAMP 1307A
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1307B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

INSET 3: 1308
SR-1363 (S Mebane St) & Trail Eight



UPGRADE
RAMP 1308A
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1308B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1308C
TO TYPE 3 MOD

UPGRADE
RAMP 1308D
TO TYPE 3 MOD

INSET 4: 1309
SR-1363 (S Mebane St) & Trail Four



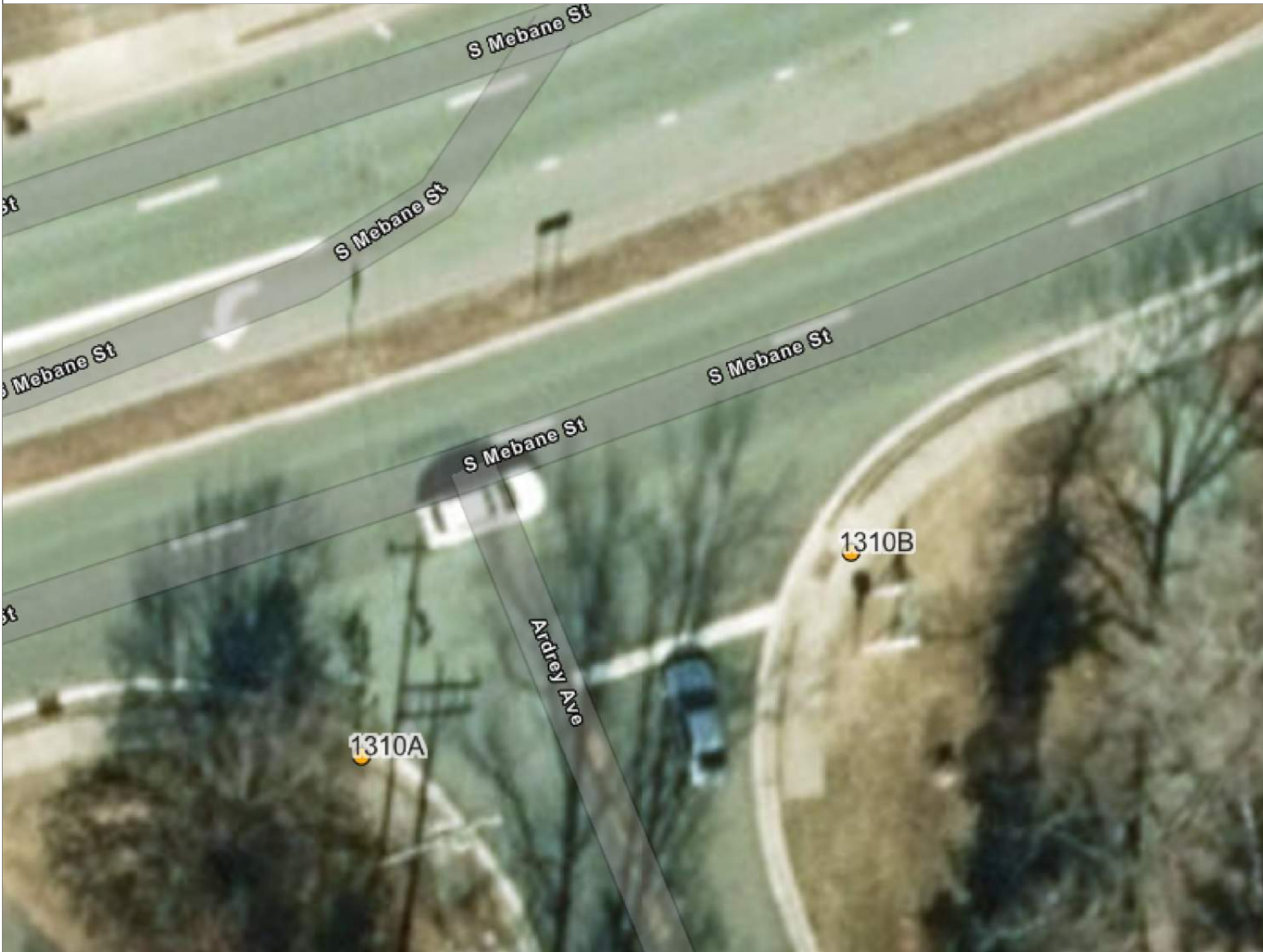
UPGRADE
RAMP 1309A
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1309B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

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2026 CURB RAMP CONTRACT - ALAMANCE COUNTY

INSET 5: 1310
SR-1363 (S Mebane St) & Pvt Dr (Pointe Apartments)



UPGRADE
RAMP 1310A
TO TYPE 3 MOD

UPGRADE
RAMP 1310B
TO TYPE 3 MOD

INSET 6: 1311
SR-1363 (S Mebane St) & Trail Three



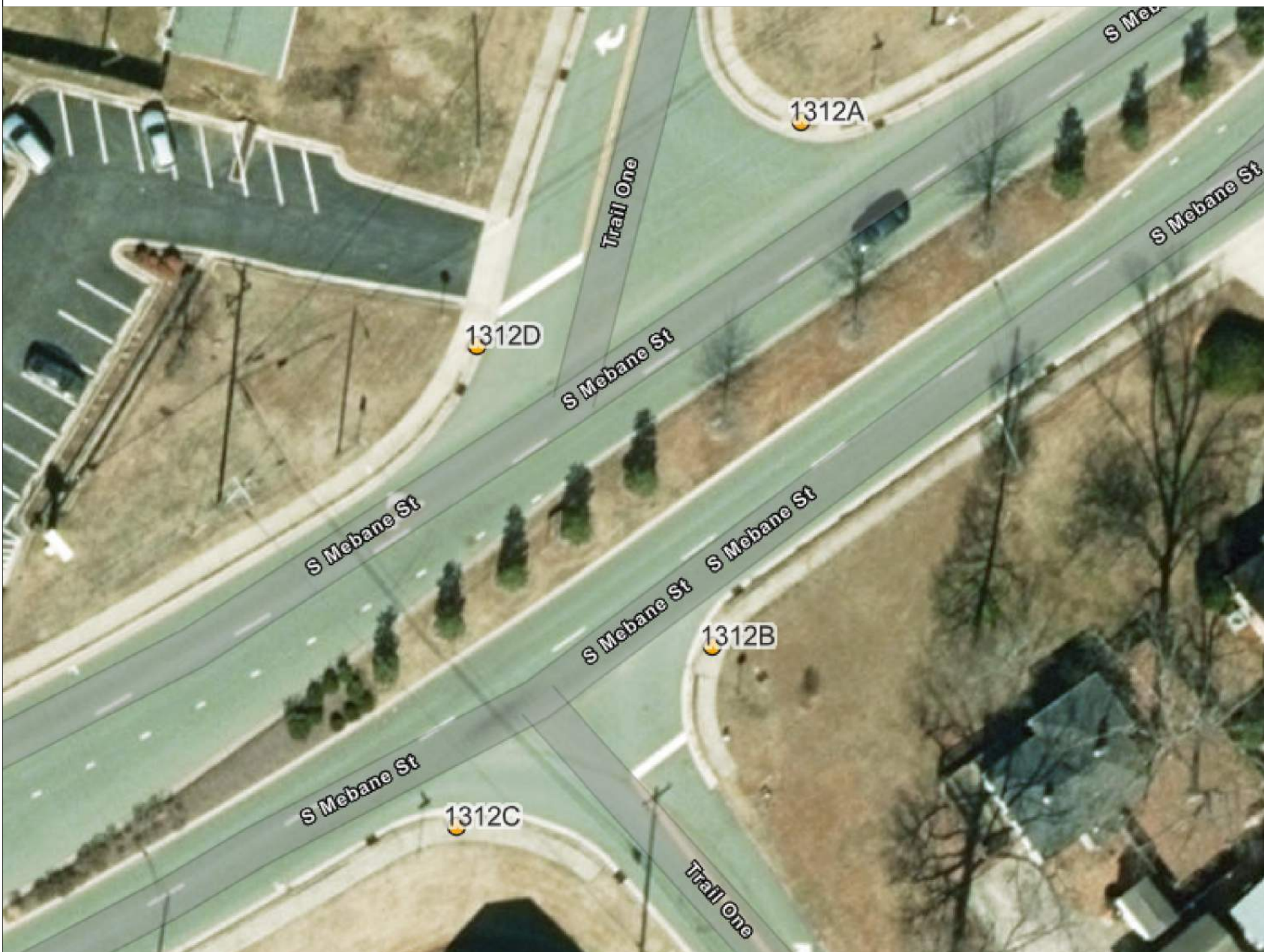
UPGRADE
RAMP 1311A
TO TYPE 3 MOD

UPGRADE
RAMP 1311B
TO TYPE 3 MOD

UPGRADE
RAMP 1311C
TO TYPE 3 MOD

UPGRADE
RAMP 1311D
TO TYPE 3 MOD

INSET 7: 1312
SR-1363 (S Mebane St) & Trail One



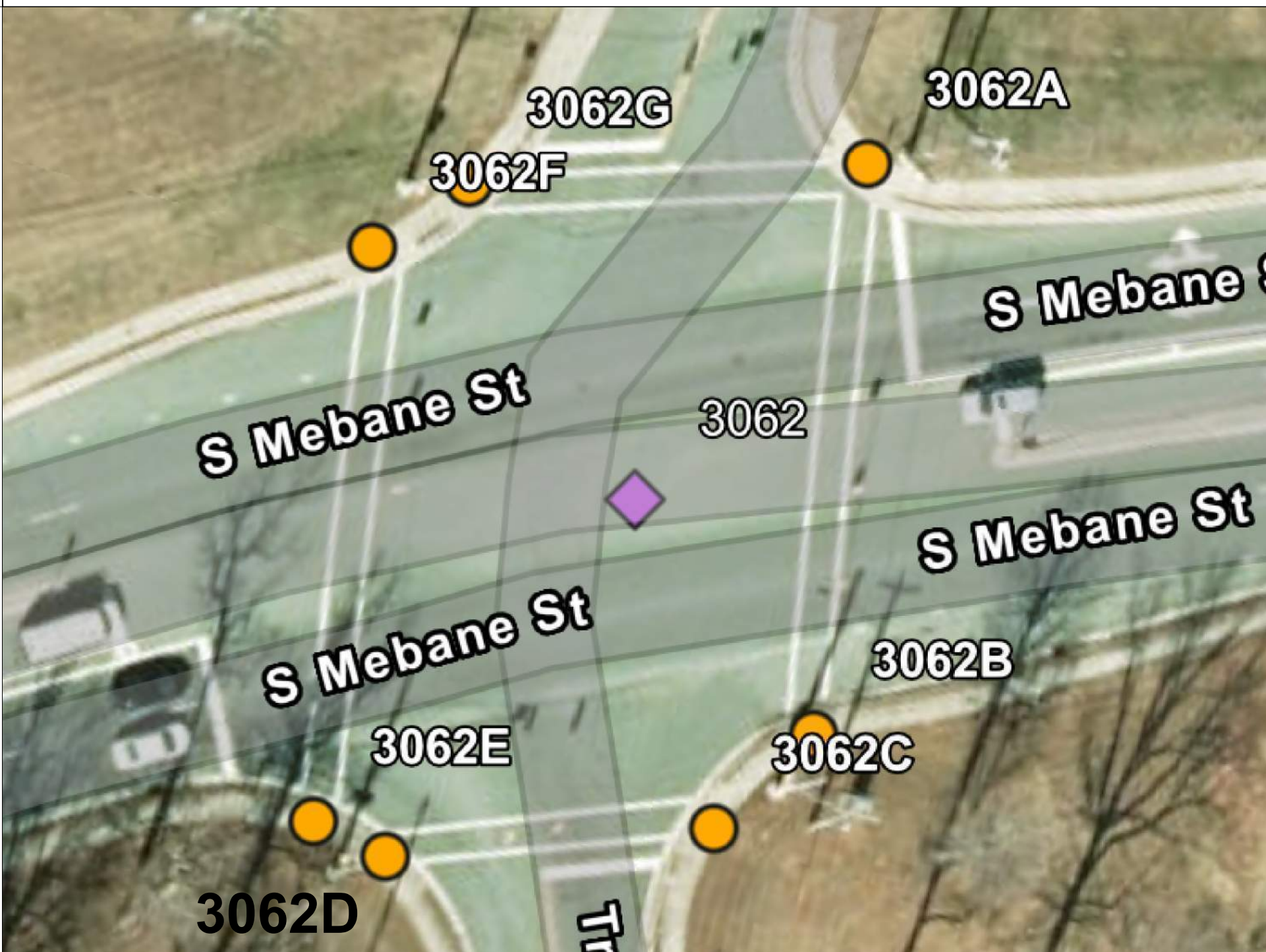
UPGRADE
RAMP 1312A
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1312B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1312C
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1312D
TO TYPE 2B

INSET 8: 3062
SR-1363 (S Mebane St) & Trail Two



UPGRADE
RAMP 3062A
TO TYPE 3 MOD

UPGRADE
RAMP 3062B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 3062C
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 3062D
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 3062E
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 3062F
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 3062G
TO TYPE 3 MOD
Repair 10' Curb & Gutter

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DIVISION 7

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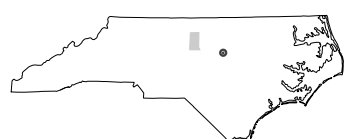
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2026 CURB RAMP CONTRACT - ALAMANCE COUNTY

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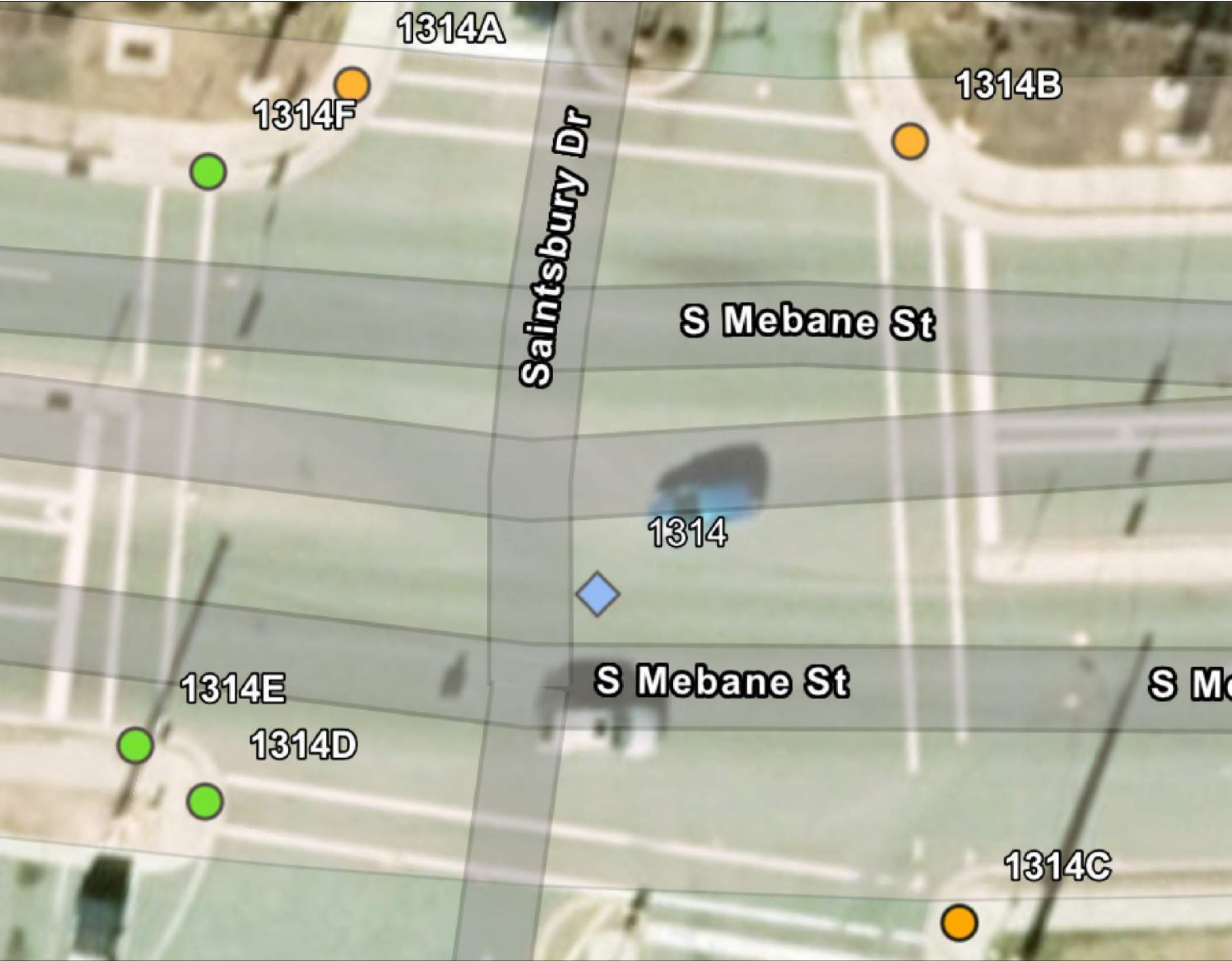
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INSET 9: 1314
SR-1363 (S Mebane St) & Saintsbury Dr



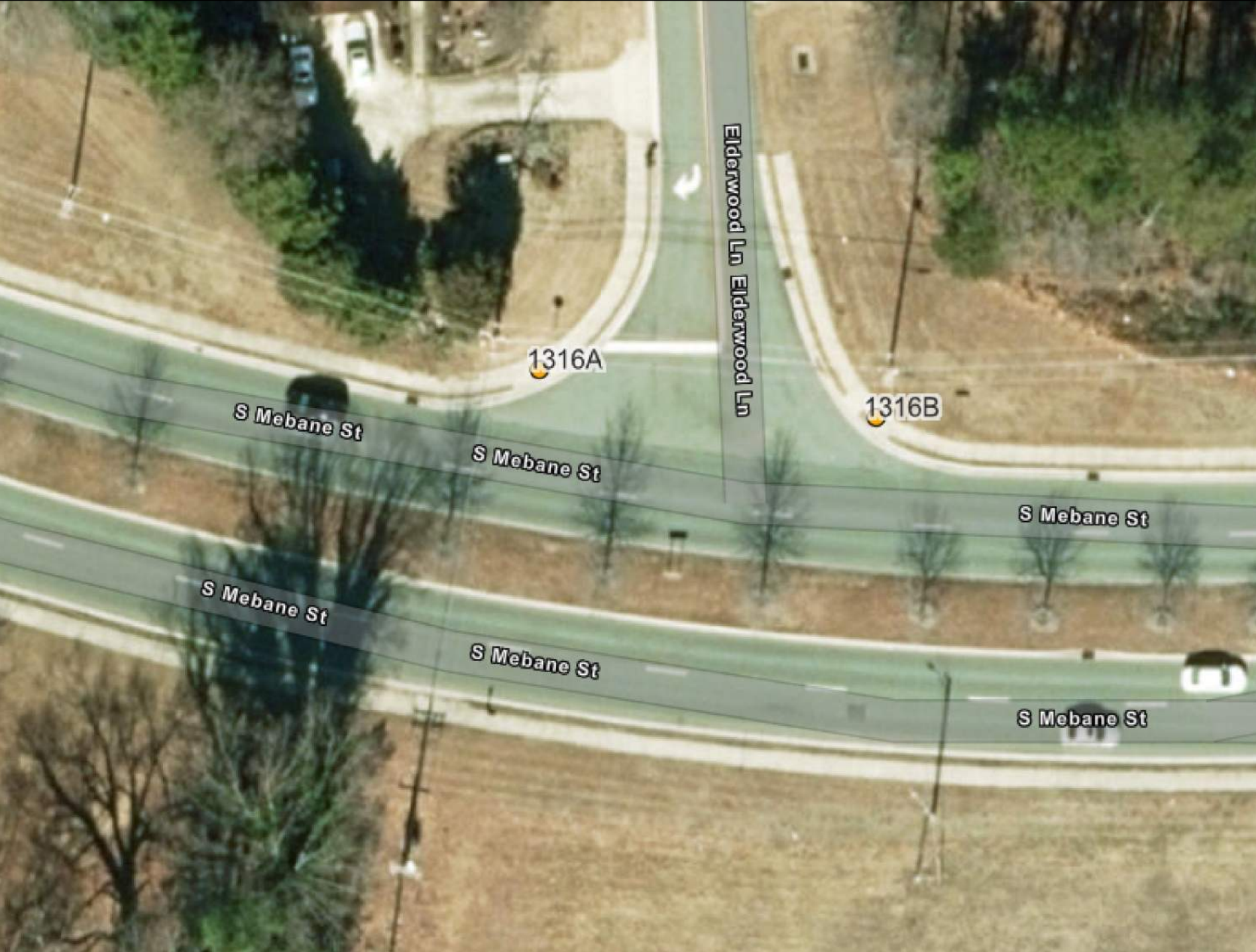
- UPGRADE
RAMP 1314A
TO TYPE 2B
- UPGRADE
RAMP 1314B
TO TYPE 3 MOD
Repair 10' Curb & Gutter
- UPGRADE
RAMP 1314C
TO TYPE 2A MOD
Repair 6' Curb & Gutter
- REMOVE
RAMP 1314D
- UPGRADE
RAMP 1314E
TO TYPE 5
- UPGRADE
RAMP 1314F
TO TYPE 3 MOD
Repair 10' Curb & Gutter

INSET 10: 1315
SR-1306 (S Mebane St) & Columbine Ln



- UPGRADE
RAMP 1315A
TO TYPE 3 MOD
Remove 20' - 24" Stop Bar
Relocate Ramp to be 4' in front of
Relocated 20' - 24" Stop Bar
Repair 15' Curb & Gutter
Repair 15' Sidewalk
- UPGRADE
RAMP 1315C
TO TYPE 3 MOD
Relocate Ramp to be 4' in front of
Relocated Stop Bar
Repair 15' Curb & Gutter
Repair 15' Sidewalk
- REMOVE
RAMP 1315D
Combine with Ramp 1315E
Repair 15' Curb & Gutter
Repair 15' Sidewalk
- UPGRADE
RAMP 1315E
TO TYPE 5A
Modify, to not have a leg to
the main Line Road
Relocate Ramp to be 4'
in front of Stop Bar
Tie into Sidewalk to building.
- UPGRADE
RAMP 1315F
TO TYPE 3 MOD
- REMOVE
RAMP 1315G
COMBINE WITH RAMP 1315F
Repair 15' Curb & Gutter
Repair 15' Sidewalk

INSET 11: 1316
SR-1306 (S Mebane St) & Elderwood Ln



- UPGRADE
RAMP 1316A
TO TYPE 3 MOD
Repair 10' Curb & Gutter
- UPGRADE
RAMP 1316B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

INSET 12: 1317
SR-1306 (S Mebane St) & Flint St



- UPGRADE
RAMP 1317A
TO TYPE 3 MOD
Repair 10' Curb & Gutter
- UPGRADE
RAMP 1317B
TO TYPE 3 MOD
Repair 10' Curb & Gutter
Adjust Valve



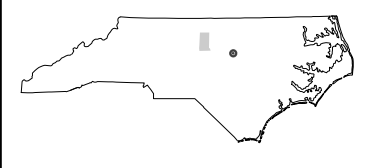
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2026 CURB RAMP CONTRACT - ALAMANCE COUNTY

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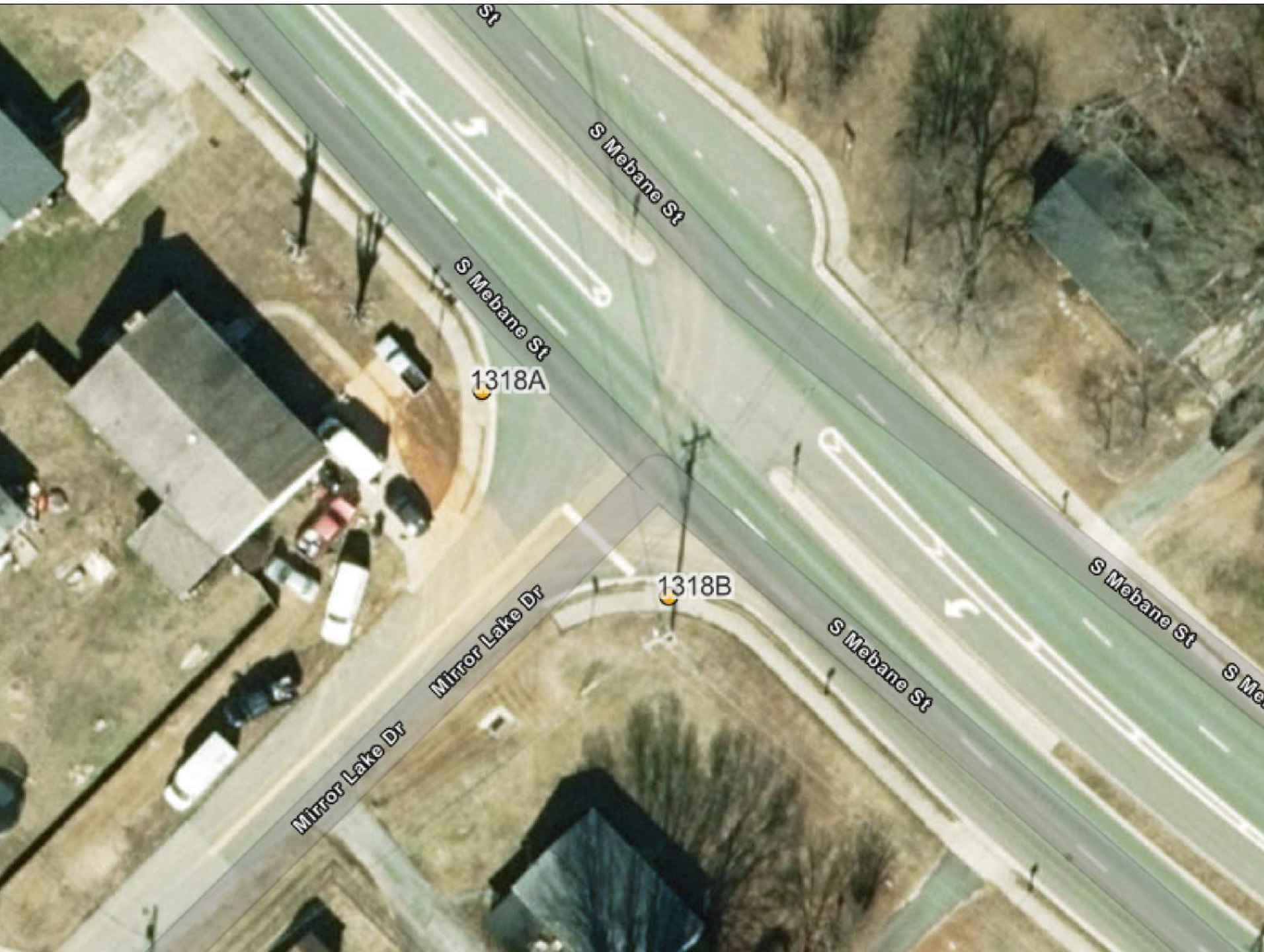
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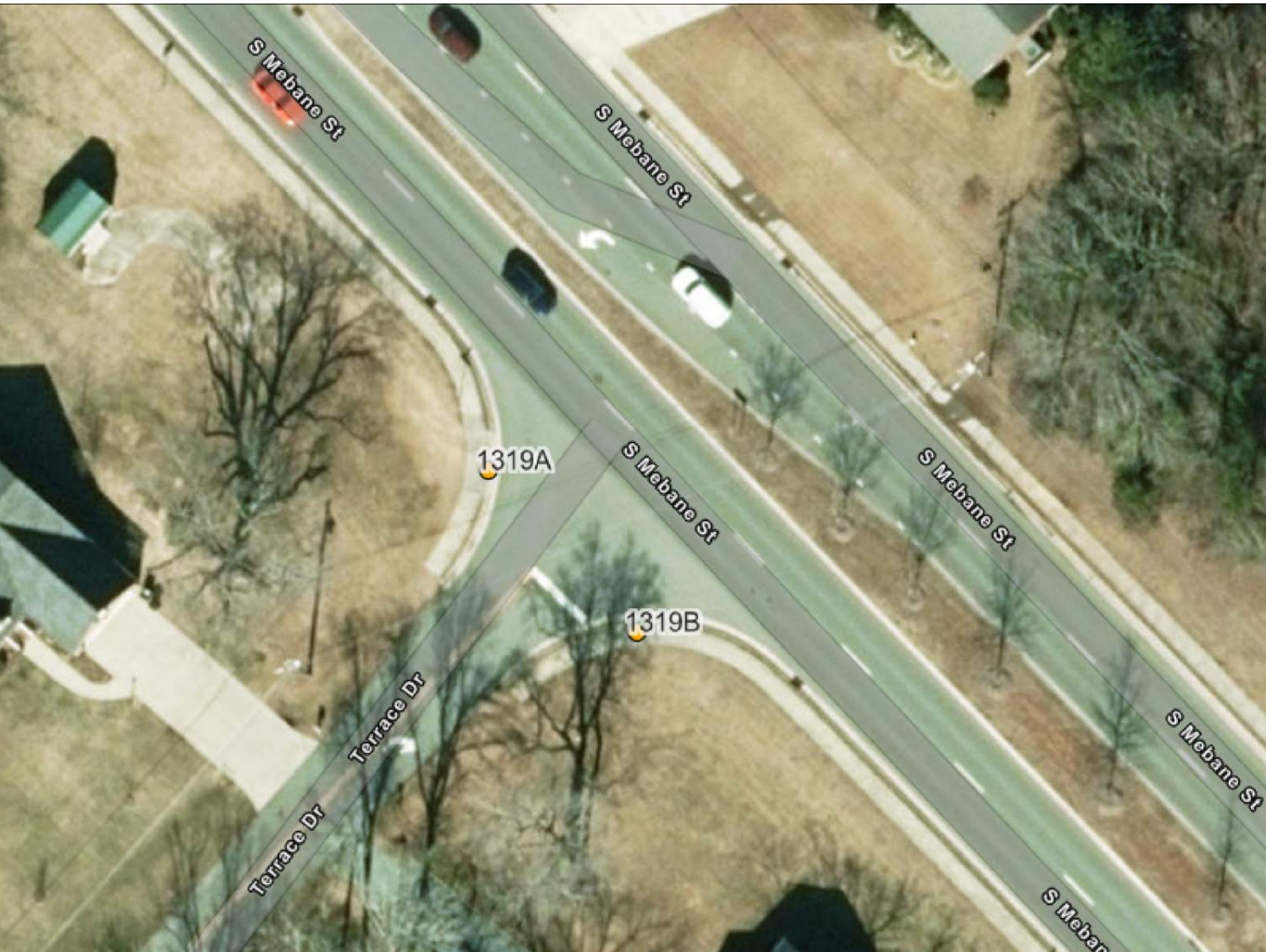
INSET 13: 1318
SR-1306 (S Mebane St) & Mirror Lake Dr



UPGRADE
RAMP 1318A
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1318B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

INSET 14: 1319
SR-1306 (S Mebane St) & Terrace Dr



UPGRADE
RAMP 1319A
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1319B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

INSET 15: 1320
SR-1306 (S Mebane St) & May Dr



REMOVE
RAMP 1320A
Combine with
Ramp 1320B
Repair 15'
Curb & Gutter
Repair 15'
Sidewalk

UPGRADE
RAMP 1320B
TO TYPE 3 MOD

UPGRADE
RAMP 1320C
TO TYPE 3 MOD

REMOVE
RAMP 1320D
Repair 15'
Curb & Gutter
Repair 15'
Sidewalk

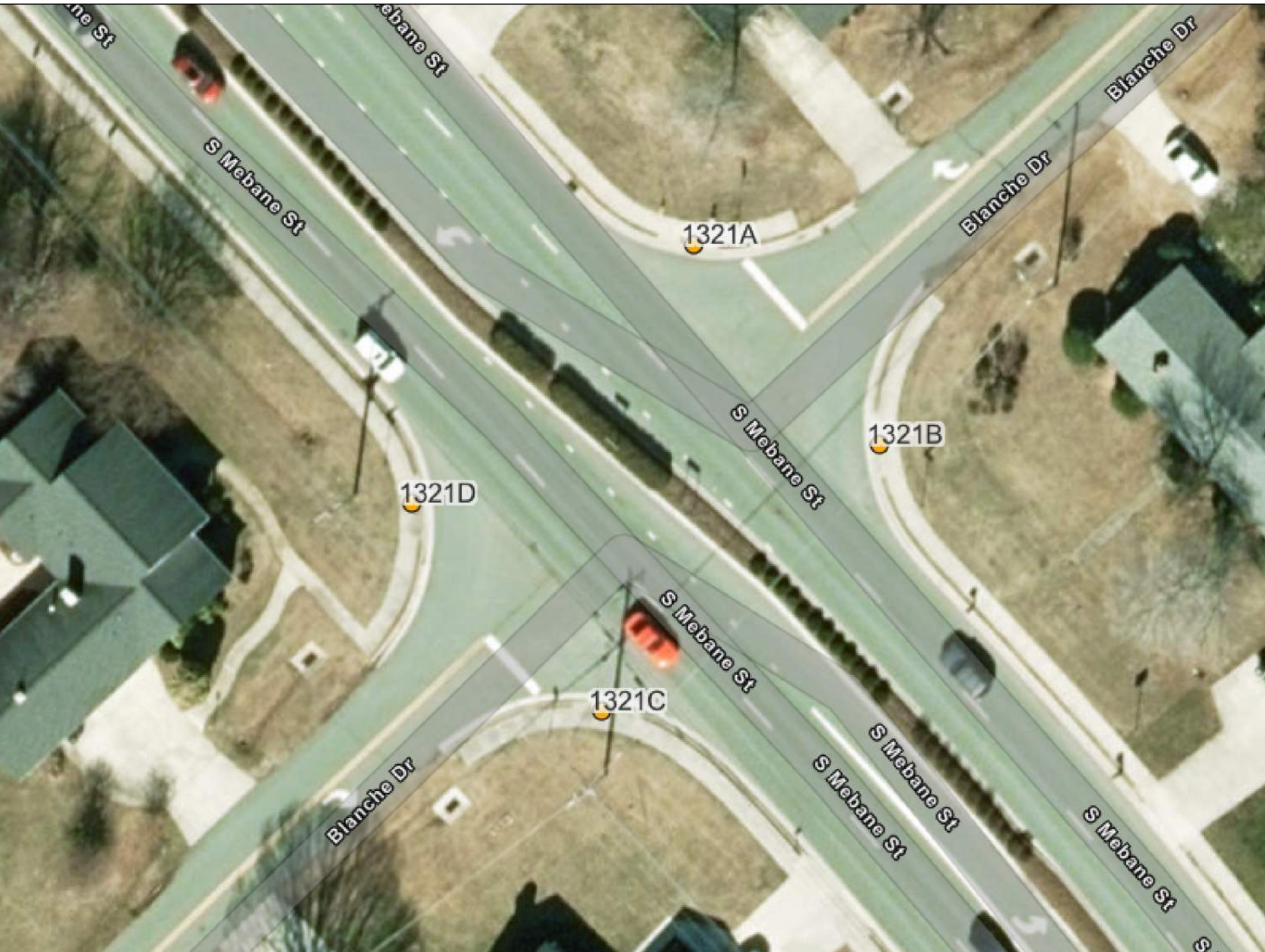
REMOVE
RAMP 1320E
Repair 15' Curb & Gutter
Repair 15' Sidewalk

UPGRADE
RAMP 1320F
TO TYPE 3 MOD

UPGRADE
RAMP 1320G
TO TYPE 3 MOD

REMOVE
RAMP 1320H
Repair 15'
Curb & Gutter
Repair 15'
Sidewalk

INSET 16: 1321
SR-1306 (S Mebane St) & Blanche Dr



UPGRADE
RAMP 1321A
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1321B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1321C
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1321D
TO TYPE 3 MOD
Repair 10' Curb & Gutter

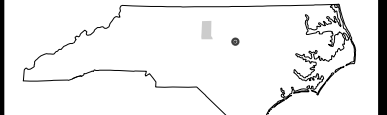
REVISIONS

2026 CURB RAMP CONTRACT - ALAMANCE COUNTY

BD-2407C

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ALAMANCE COUNTY



DIVISION 7

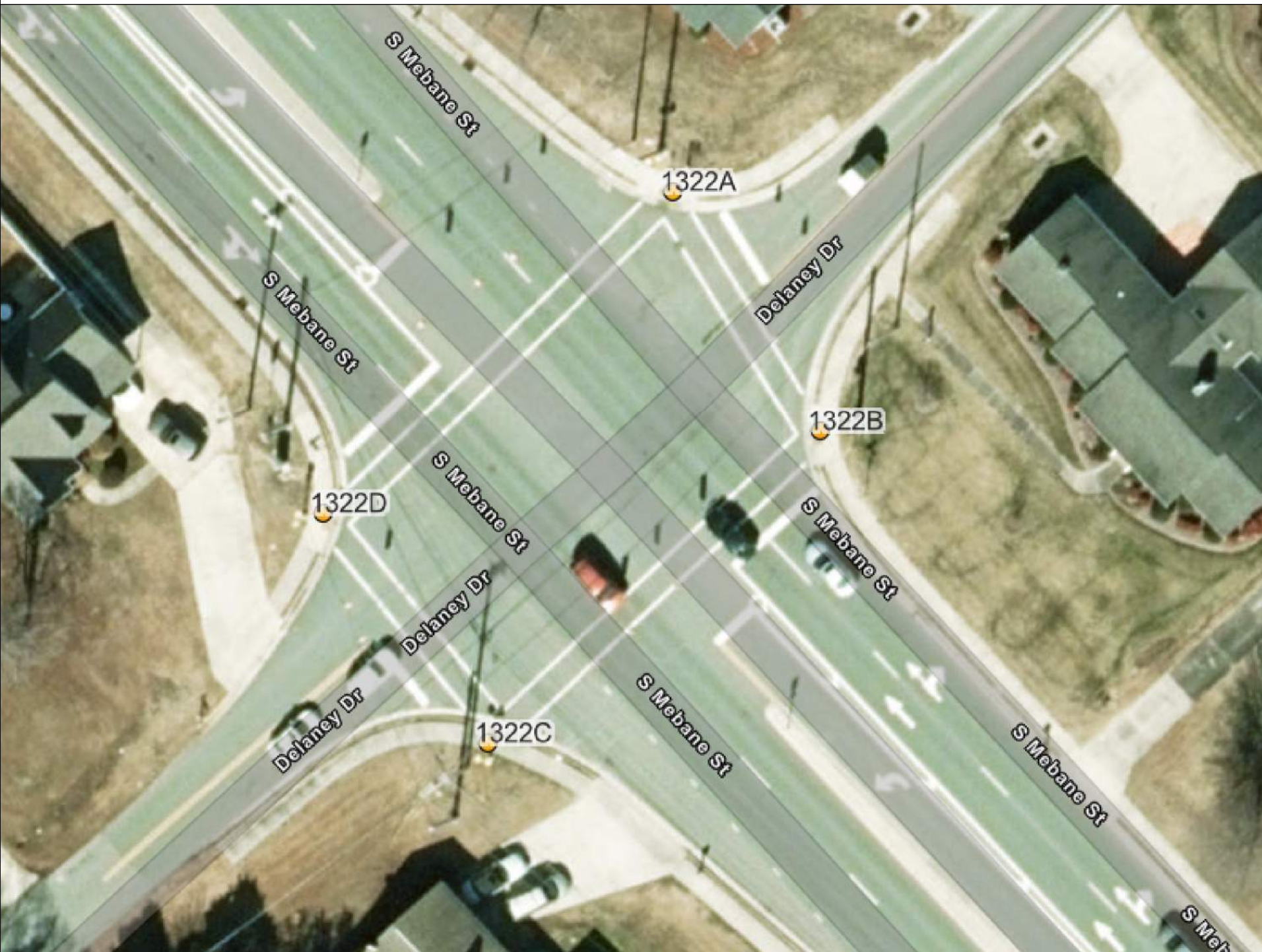
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INSET 17: 1322
SR-1306 (S Mebane St) & Delaney Dr



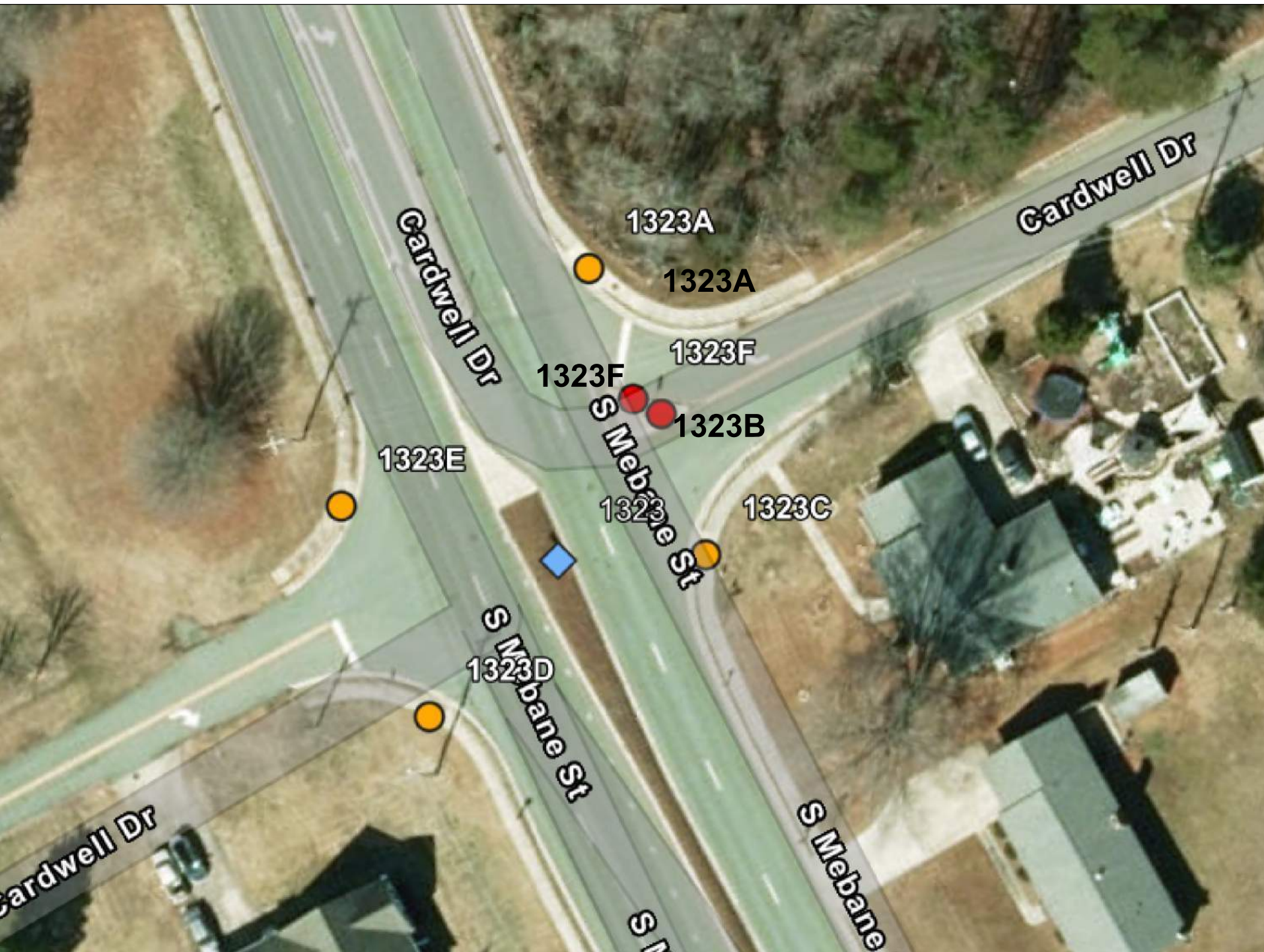
UPGRADE
RAMP 1322A
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1322B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1322C
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1322D
TO TYPE 3 MOD
Repair 10' Curb & Gutter

INSET 18: 1323
SR-1306 (S Mebane St) & Cardwell Dr



UPGRADE / RELOCATE
RAMP 1323A
TO TYPE 3 MOD
Relocate to allow direct path from
Ramp A to Ramp F in Island
Remove 15' Sidewalk
Repair 15' Sidewalk, Reset Type E Sign
Remove 15' Curb & Gutter
Repair 15' Curb & Gutter,
Remove 21' - 24" STOP BAR
Relocate 21' - 24" STOP BAR

NEW RAMP 1323B
TO TYPE 6 - Minus 1 Leg to Main Line
Remove Concrete Island as needed

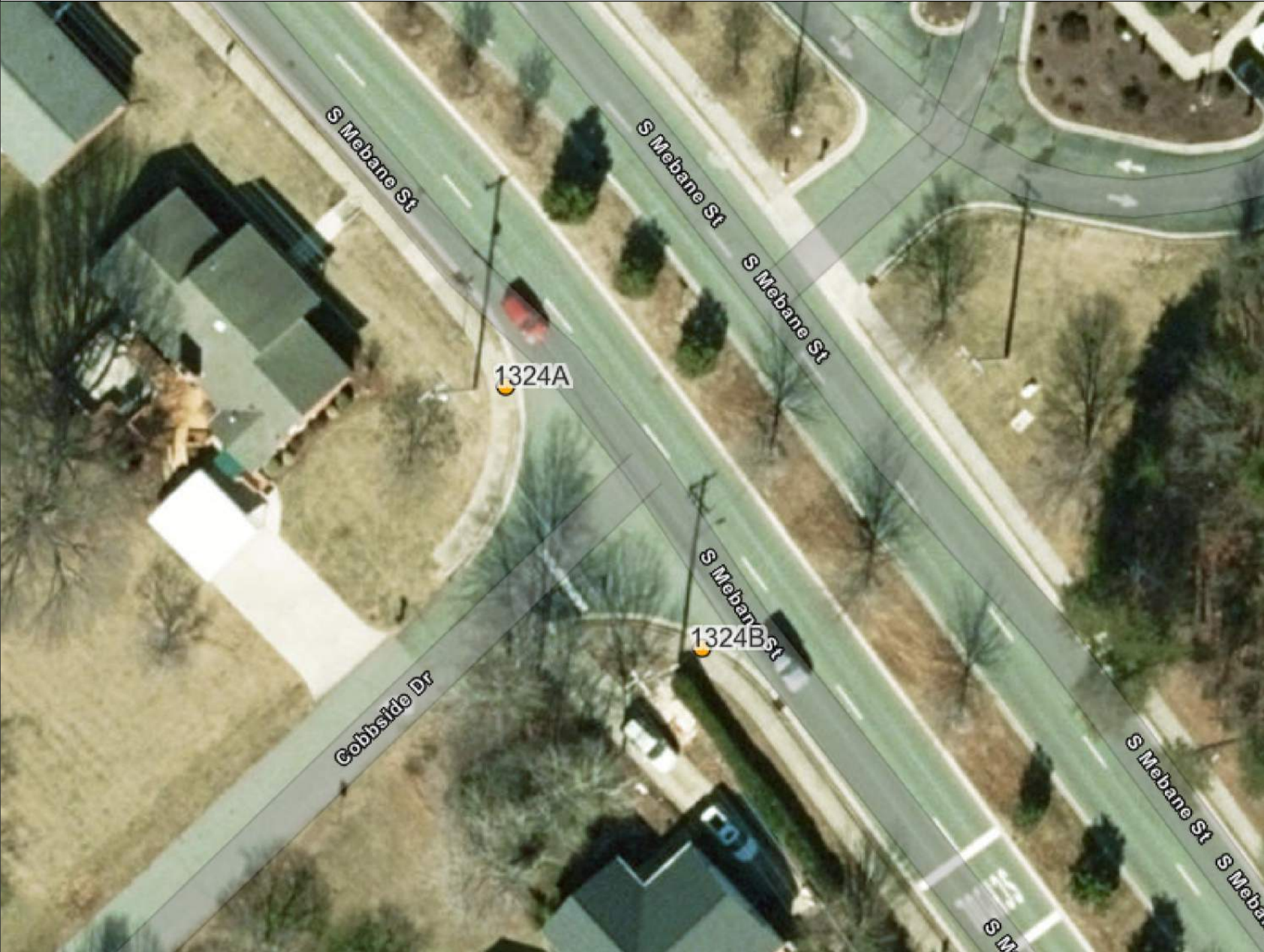
UPGRADE
RAMP 1323C
TO TYPE 3 MOD
Remove & Dispose 20' of Sidewalk
Move Centerline of Ramp location Approx.
20' down Cardwell Dr toward School
Repair 20' Sidewalk
Repair 15' Curb & Gutter

UPGRADE
RAMP 1323D
TO TYPE 3
Repair 10' Curb & Gutter

UPGRADE
RAMP 1323E
TO TYPE 3
Repair 10' Curb & Gutter

NEW RAMP 1323F
TO TYPE 6 - Minus 1 Leg to Main Line

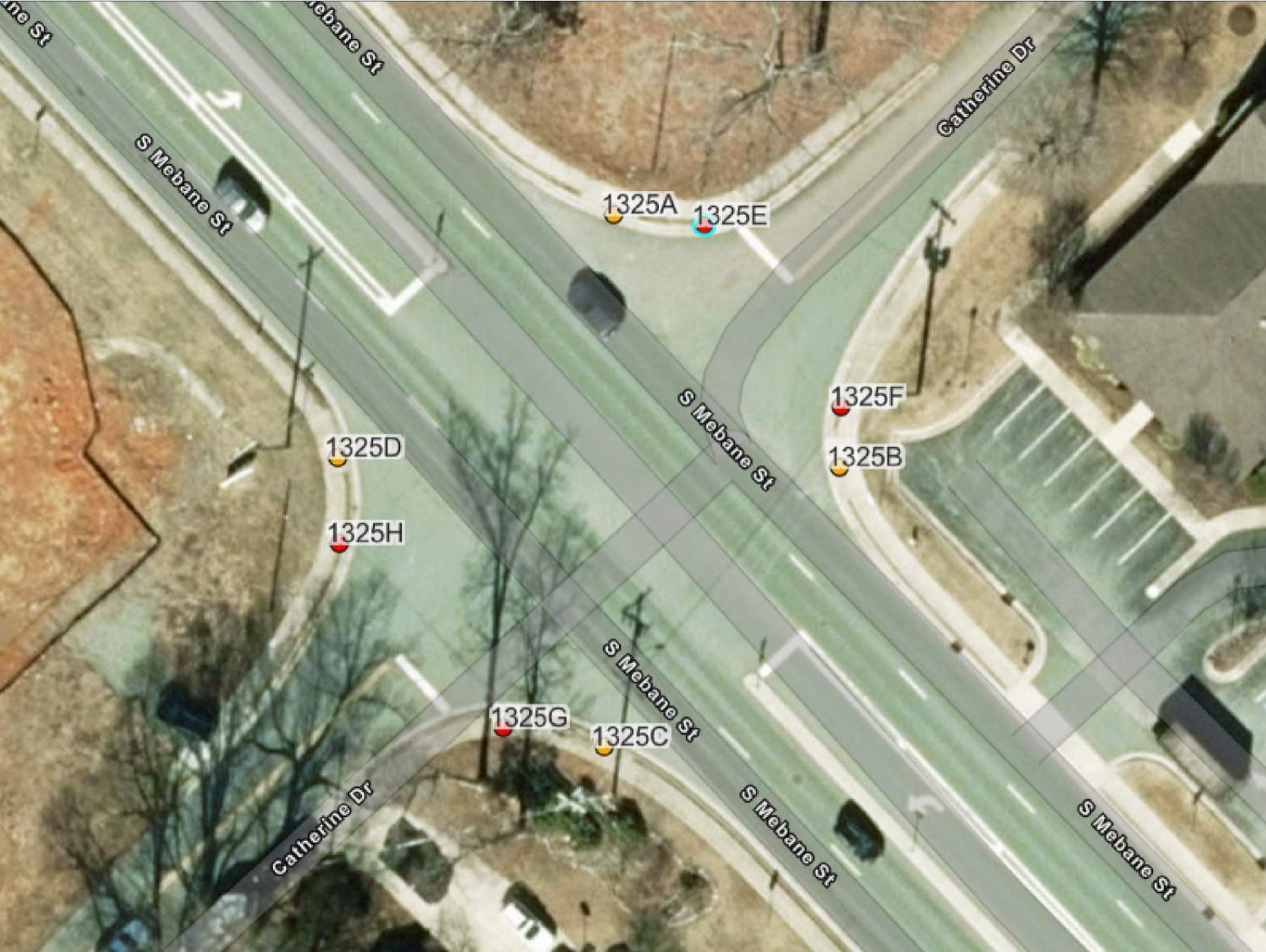
INSET 19: 1324
SR-1306 (S Mebane St) & Cobbside Dr



UPGRADE
RAMP 1324A
TO TYPE 3 MOD
Repair 10 Curb & Gutter

UPGRADE
RAMP 1324B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

INSET 20: 1325
SR-1306 (S Mebane St) & Catherine Dr



UPGRADE
RAMP 1325A
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1325B
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1325C
TO TYPE 3 MOD
Repair 10' Curb & Gutter

UPGRADE
RAMP 1325D
TO TYPE 3 MOD
Repair 10' Curb & Gutter

REMOVE RAMP 1325E
Repair 15' Curb & Gutter
Repair 15' Sidewalk

REMOVE RAMP 1325F
Repair 15' Curb & Gutter
Repair 15' Sidewalk

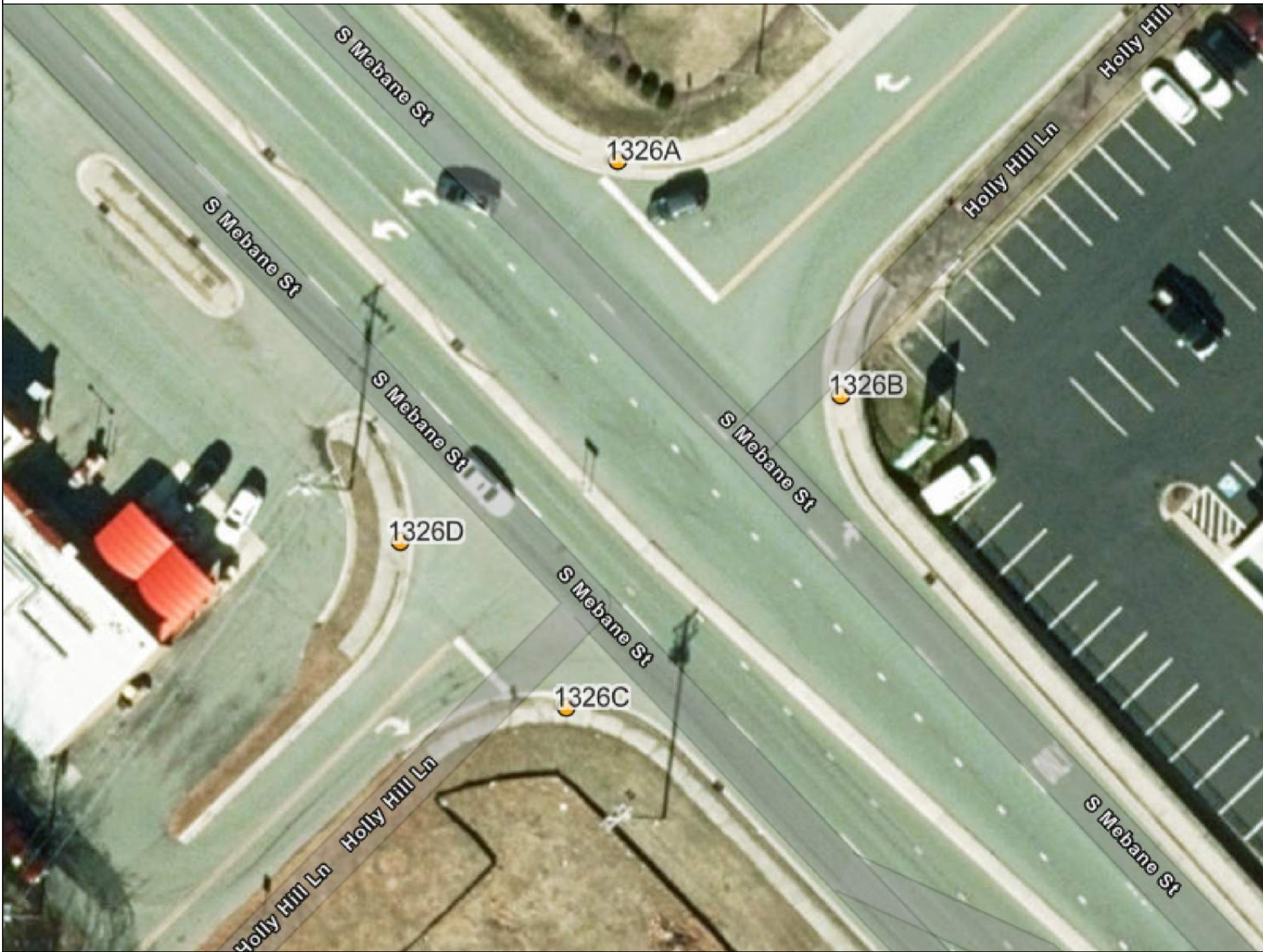
REMOVE RAMP 1325G
Repair 15' Curb & Gutter
Repair 15' Sidewalk

REMOVE RAMP 1325H
Repair 15' Curb & Gutter
Repair 15' Sidewalk

REVISIONS

2026 CURB RAMP CONTRACT - ALAMANCE COUNTY

INSET 21: 1326 SR-1306 (S Mebane St) & Holly Hill Ln



UPGRADE
RAMP 1326A
TO TYPE 3 MOD
Remove 42' Stop Bar
Relocate Ramp & Stop Bar so that
Centerline of Ramp
Location is 4' in front of New Stop Bar
Remove & Repair 15' Sidewalk
Remove & Repair 15' Curb & Gutter
New 32' - 24" Stop Bar

UPGRADE
RAMP 1326B
TO TYPE 3 MOD
Relocate Ramp so that
Centerline of Ramp Location
is 4' in front of New Stop Bar
Remove & Repair 15' Sidewalk
Remove & Repair 15' Curb & Gutter

UPGRADE
RAMP 1326C
TO TYPE 3 MOD
Repair 15' Sidewalk
Repair 15' Curb & Gutter

UPGRADE
RAMP 1326D
TO TYPE 3 MOD
Repair 15' Sidewalk
Repair 15' Curb & Gutter

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ALAMANCE COUNTY

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2026 CURB RAMP CONTRACT - GUILFORD COUNTY



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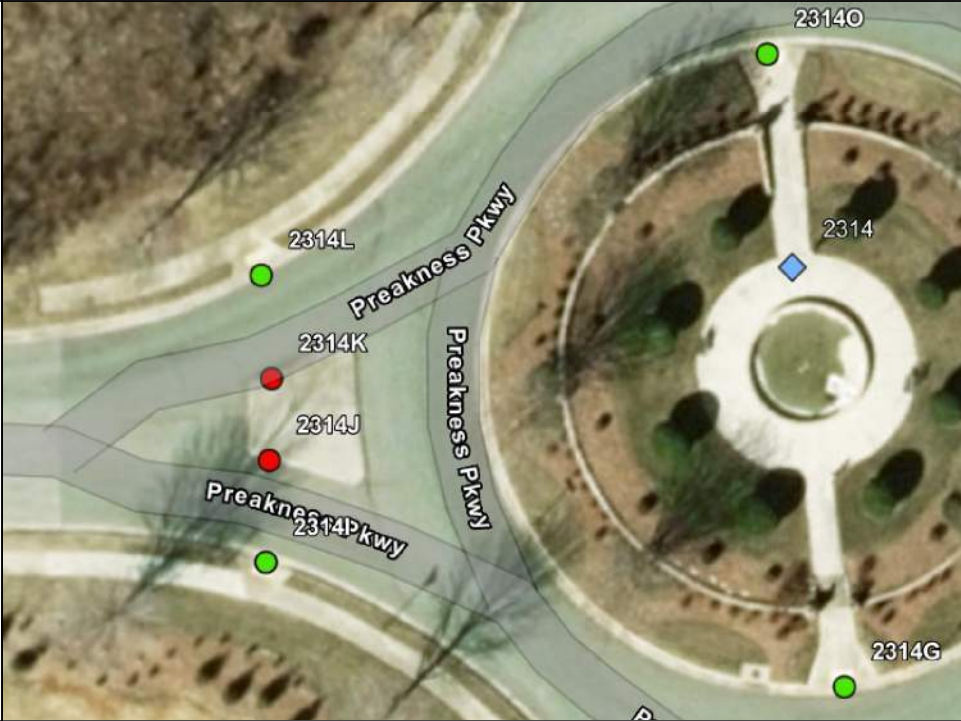
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2026 CURB RAMP CONTRACT - GUILFORD COUNTY

INSET 1: 2016 SR-1546 (Guilford College Rd) & Lowes Food Entrance	INSET 2: 2314 SR-5306 (Brightwood Farms Pkwy) & SR-5307 (Preakness Pkwy)
 UPGRADE RAMP 2016A TO TYPE 2A REMOVE RAMP 2016B COMBINE WITH RAMP 2016A Repair 15' Sidewalk Repair 15' Curb & Gutter REMOVE RAMP 2016C COMBINE WITH RAMP 2016D Repair 15' Sidewalk Repair 15' Curb & Gutter UPGRADE RAMP 2016D TO TYPE 2A	 UPGRADE RAMP 2314A TO TYPE 3 MOD 88' 24" Thermoplastic UPGRADE RAMP 2314B TO TYPE 3 MOD 88' 24" Thermoplastic
INSET 3: 2314 SR-5306 (Brightwood Farms Pkwy) & SR-5307 (Preakness Pkwy)	INSET 4: 2314 SR-5306 (Brightwood Farms Pkwy) & SR-5307 (Preakness Pkwy)
 UPGRADE RAMP 2314C TO TYPE 3 MOD NEW RAMP 2314D TO TYPE 8 NEW RAMP 2314E TO TYPE 8 UPGRADE RAMP 2314F TO TYPE 3 MOD NEW RAMP 2314H TO TYPE 8 Remove portion of Concrete Island 96' 24" Thermoplastic NEW RAMP 2314S TO TYPE 8	 UPGRADE RAMP 2314I TO TYPE 3 MOD 100' 24" Thermoplastic Remove 15' Sidewalk Repair 15' Sidewalk Repair 15' Curb & Gutter REMOVE NUMBER RAMP 2314J From List REMOVE NUMBER RAMP 2314K From List UPGRADE RAMP 2314L TO TYPE 3 MOD 100' 24" Thermoplastic Remove 15' Sidewalk Repair 15' Sidewalk Repair 15' Curb & Gutter

2026 CURB RAMP CONTRACT - GUILFORD COUNTY

80-2407C

4RDI7C

NORTH CAROLINA

DEPARTMENT OF TRANSPORTATION

GUILFORD COUNTY



DIVISION 7

ROADWAY DESIGN
ENGINEER

INSET 5: 2314

SR-5306 (Brightwood Farms Pkwy) & SR-5307 (Preakness Pkwy)



UPGRADE
RAMP 2314M
TO TYPE 3 MOD
Move further down to align
with ramps in Concrete Island
Remove 15' Sidewalk
Repair 15' Sidewalk
Repair 15' Curb & Gutter
72' 24" Thermoplastic

UPGRADE
RAMP 2314N
TO TYPE 3 MOD
Move further down to align
with ramps in Concrete Island
Remove 15' Sidewalk
Repair 15' Sidewalk
Repair 15' Curb & Gutter
72' 24" Thermoplastic

NEW
RAMP 2314P
TO TYPE 8
96' 24" Thermoplastic
Remove portion of
Concrete Island

NEW
RAMP 2314Q
TO TYPE 8
Remove portion of
Concrete Island

NEW
RAMP 2314R
TO TYPE 8
Remove portion of
Concrete Island

PREPARED BY

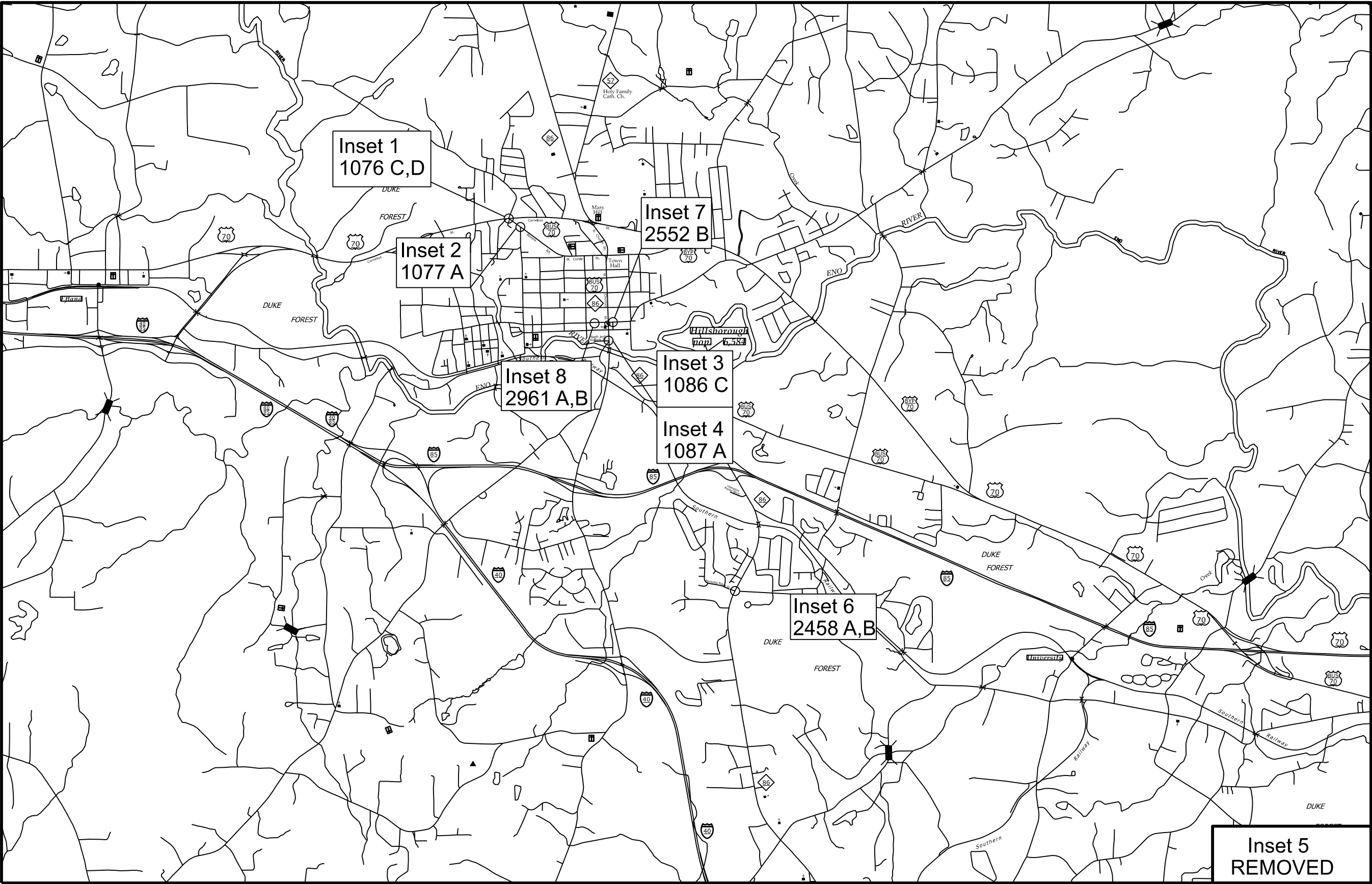


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REVISIONS

2026 CURB RAMP CONTRACT - ORANGE COUNTY



80-2407B	
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INSET 1: 1076
US-70 (Cornelius St) &
US-70-BUS (Revere Rd)/SR-1328 (Faucette Mill Rd)



UPGRADE
RAMP 1076C
TO TYPE 3 MOD

UPGRADE
RAMP 1076D
TO TYPE 3 MOD
Repair 10'
Curb & Gutter

INSET 2: 1077
US-70-BUS (Revere Rd) & SR-1156 (N Nash St)



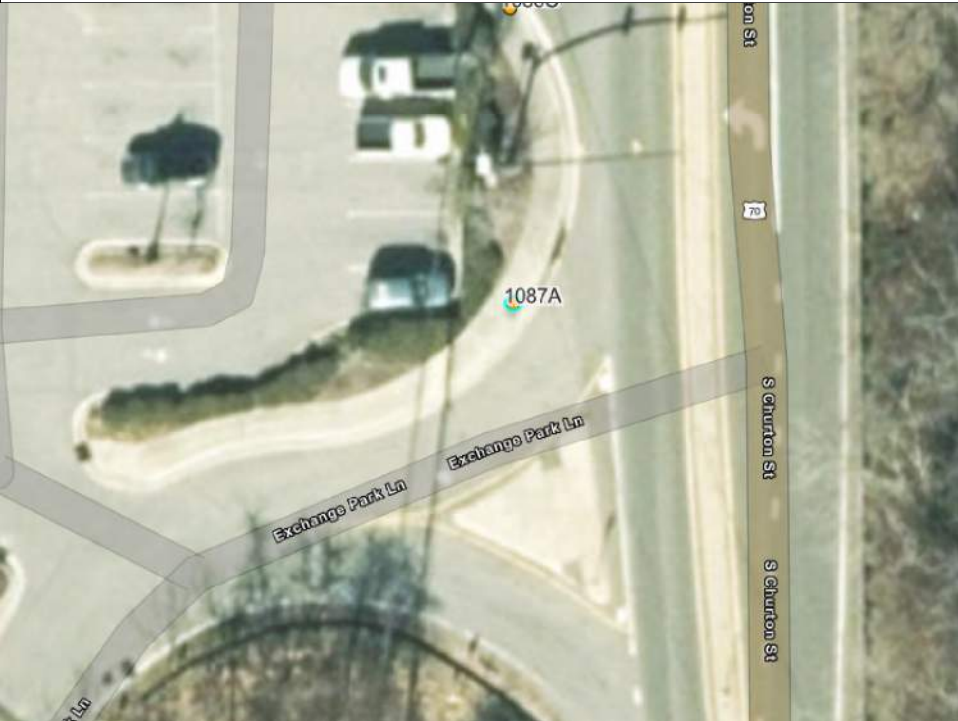
REMOVE
RAMP 1077A
Repair 15' Curb & Gutter
Repair 15' Sidewalk

INSET 3: 1086
US-70-BUS (S Churton St) & Nash And Kollock St



UPGRADE
RAMP 1086C
TO TYPE 2B

INSET 4: 1087
US-70-BUS (S Churton St) & Exchange Park Ln



UPGRADE
RAMP 1087A
TO TYPE 2

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INSET 5:
REMOVED

INSET 6: 2458
NC-86 & Becketts Ridge Dr



UPGRADE
RAMP 2458A
TO TYPE 848.06
Adjust 2 WV
Stop sign to be relocated
by Traffic Services

REMOVE
RAMP 2458B
Repair approximately
16' Curb and Gutter

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INSET 7: 2552
SR-1002 (E King St) & Court St



UPGRADE
RAMP 2552B
TO TYPE 2A

INSET 8: 2961
SR-1150 (W King St) & 153 W King St



UPGRADE
RAMP 2961A
SEE INSETS BELOW

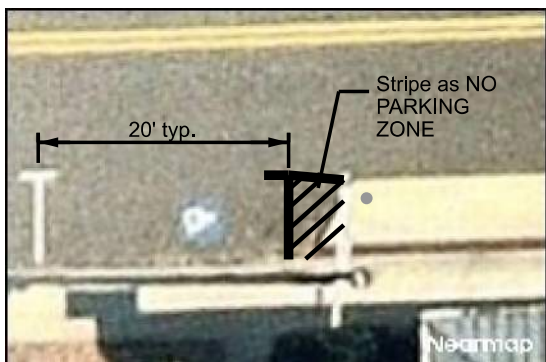
UPGRADE
RAMP 2961B
SEE INSETS BELOW

INSET 8: 2961A
SR-1150 (W King St) & 153 W King St



UPGRADE
RAMP 2961A
TO TYPE 1
Remove 93' 4" Markings
locate closer to driveway
hatch safe zone
in front of ramp

INSET 8: 2961B
SR-1150 (W King St) & 153 W King St



UPGRADE
RAMP 2961B
TO TYPE 1
hatch safe zone
in front of ramp

80-2407B

4R01 | 8C

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ORANGE COUNTY

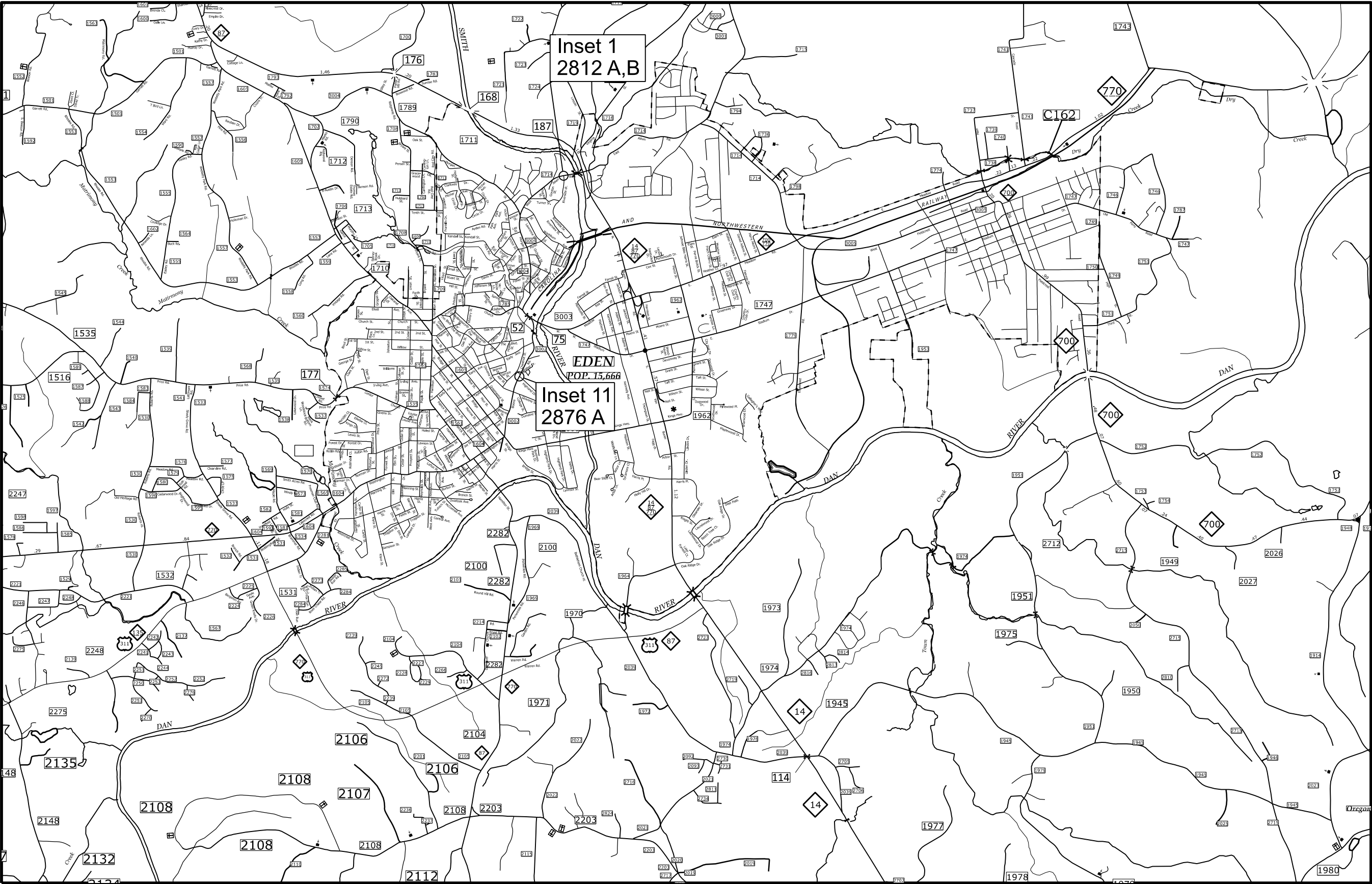
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4R01 | 9

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ROCKINGHAM COUNTY

DIVISION 7

ROADWAY DESIGN

ENGINEER

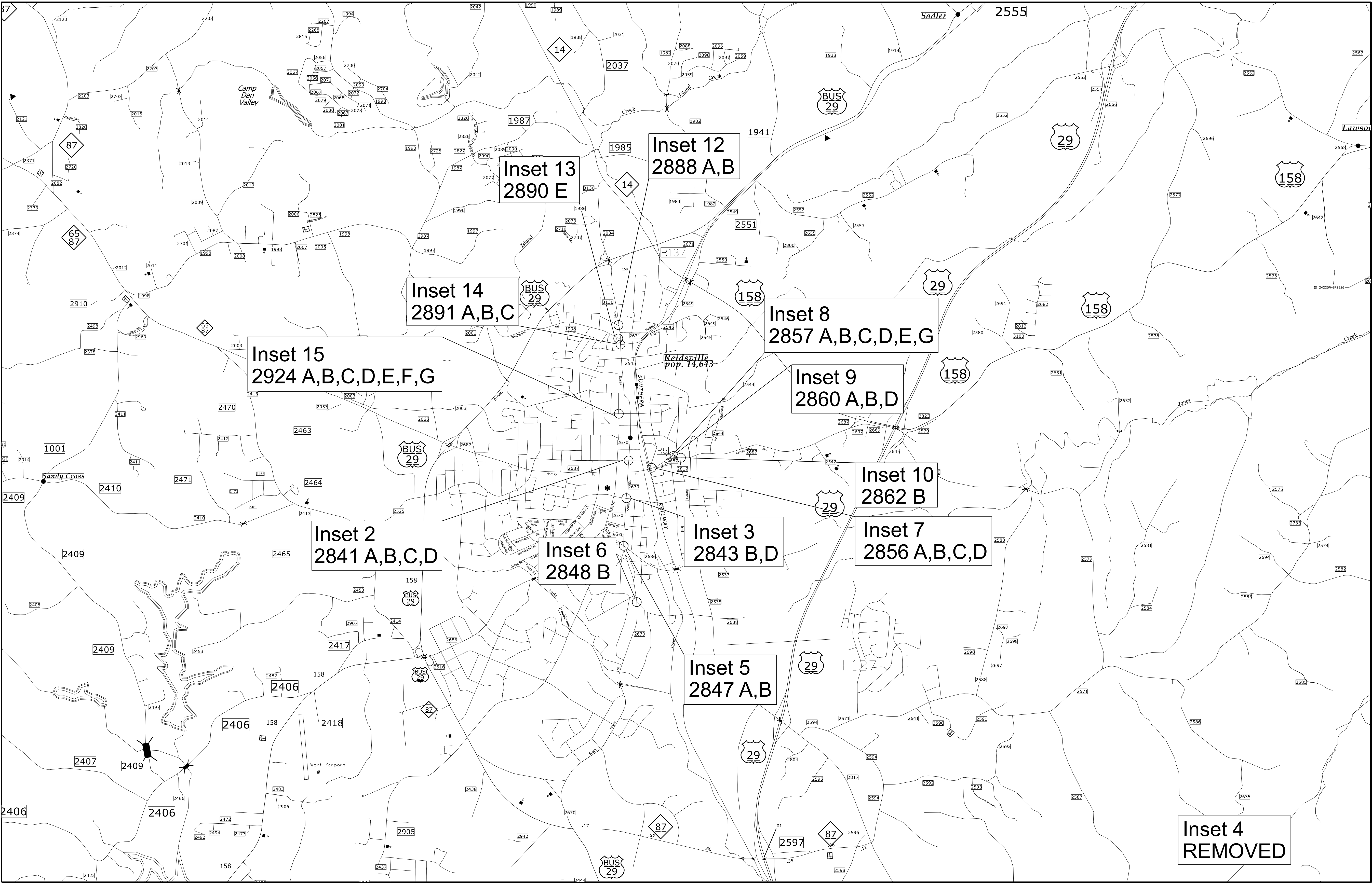
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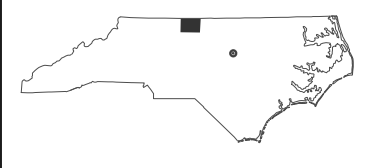
80-2407B

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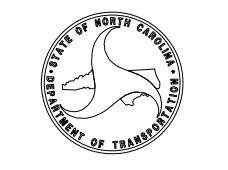
ROCKINGHAM COUNTY



DIVISION 7

ROADWAY DESIGN
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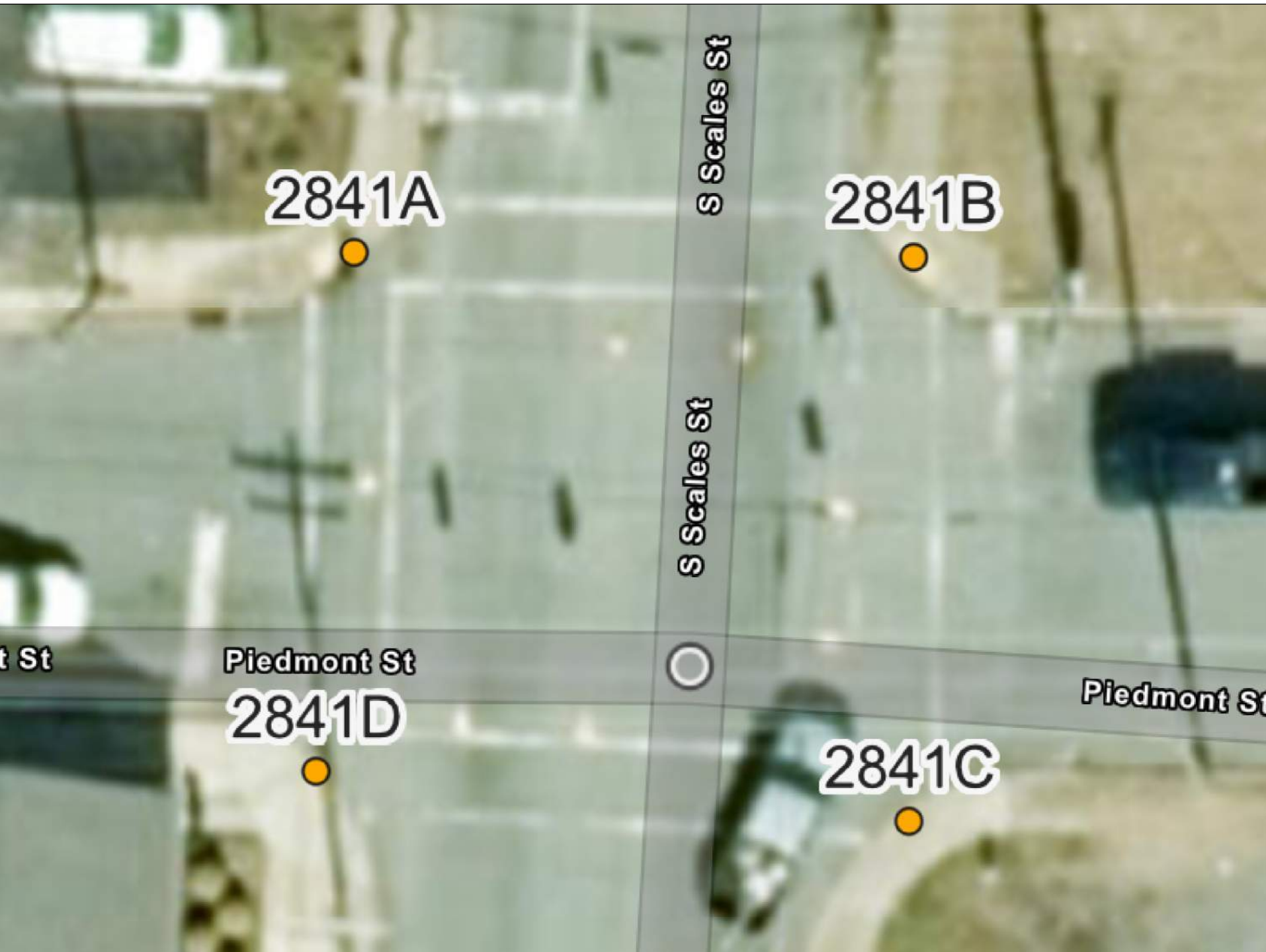
INSET 1: 2812
SR-1714 (W Aiken Rd) & Riverside Dr



UPGRADE
RAMP 2812A
TO TYPE 1A
Remove 9' Sidewalk
and move Ramp up to that

UPGRADE
RAMP 2812B
TO TYPE 1A

INSET 2: 2841
SR-2670 (S Scales St) & Piedmont St



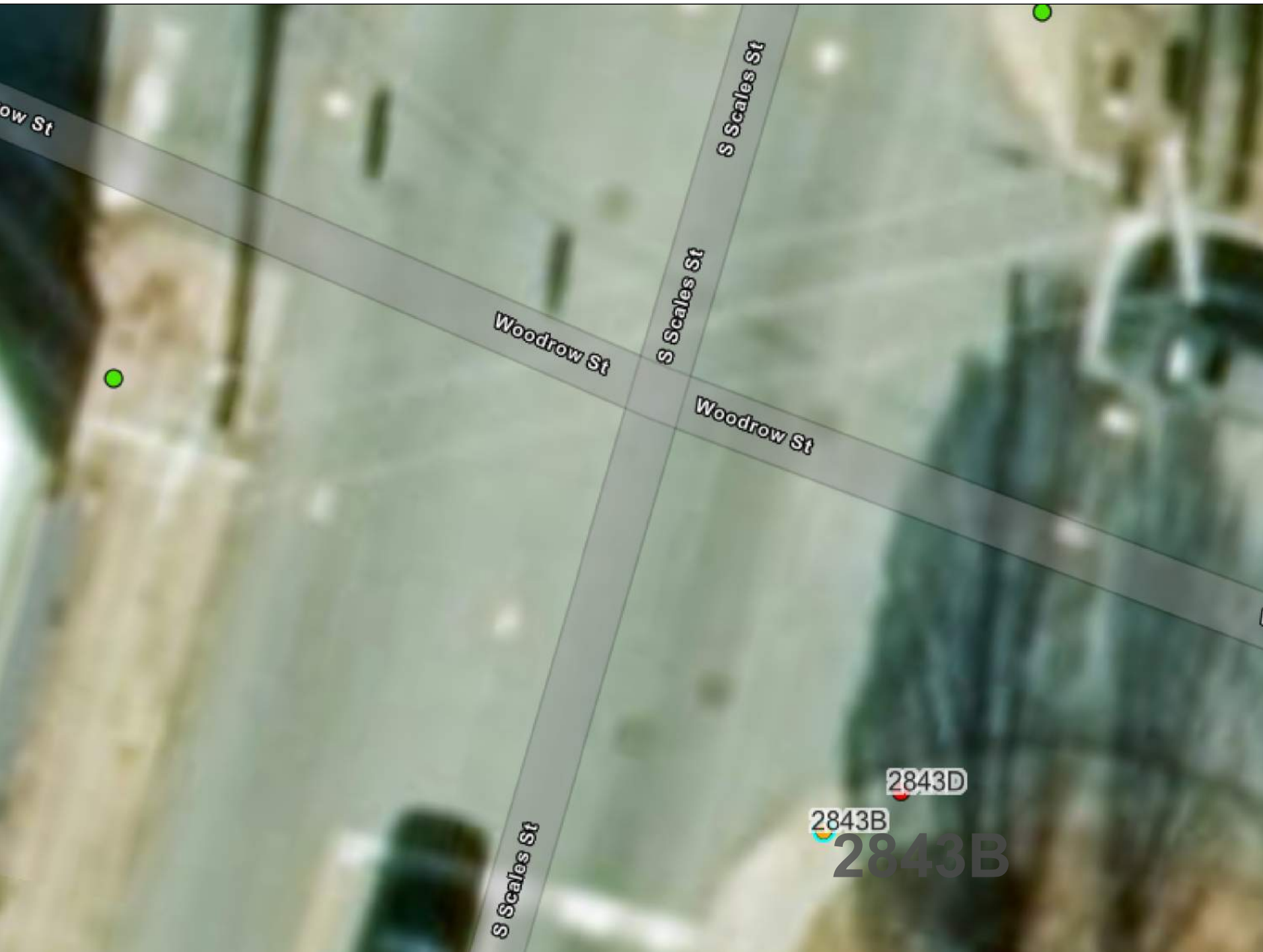
UPGRADE
RAMP 2841A
TO TYPE 2B

UPGRADE
RAMP 2841B
TO TYPE 3 MOD
Repair 12' Curb & Gutter

UPGRADE
RAMP 2841C
TO TYPE 2B

RAMP 2841D
COMPLIANT

INSET 3: 2843
SR-2670 (S Scales St) & Woodrow St



UPGRADE
RAMP 2843B
Includes Ramp 2843D
TO TYPE 2B
Repair 10' Sidewalk
Repair 10 ' Curb & Gutter

INSET 4:
REMOVED



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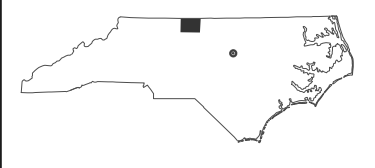
80-2407B

4RDI9C

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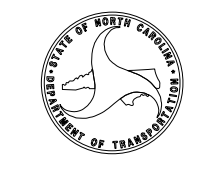
ROCKINGHAM COUNTY



DIVISION 7

ROADWAY DESIGN
ENGINEER

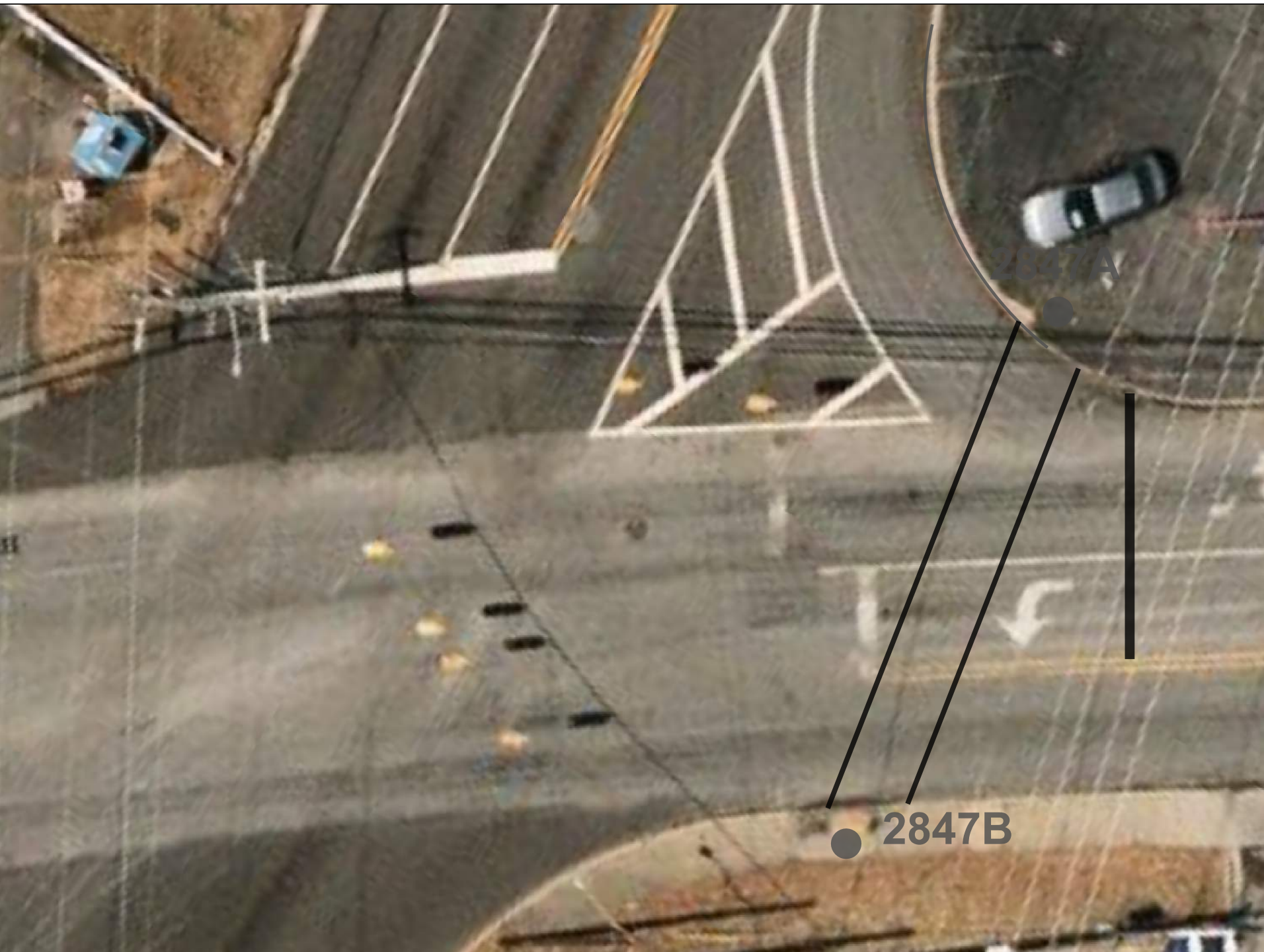
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INSET 5: 2847
SR-2670 (S Scales St) & SR-2686 (Richardson Dr)



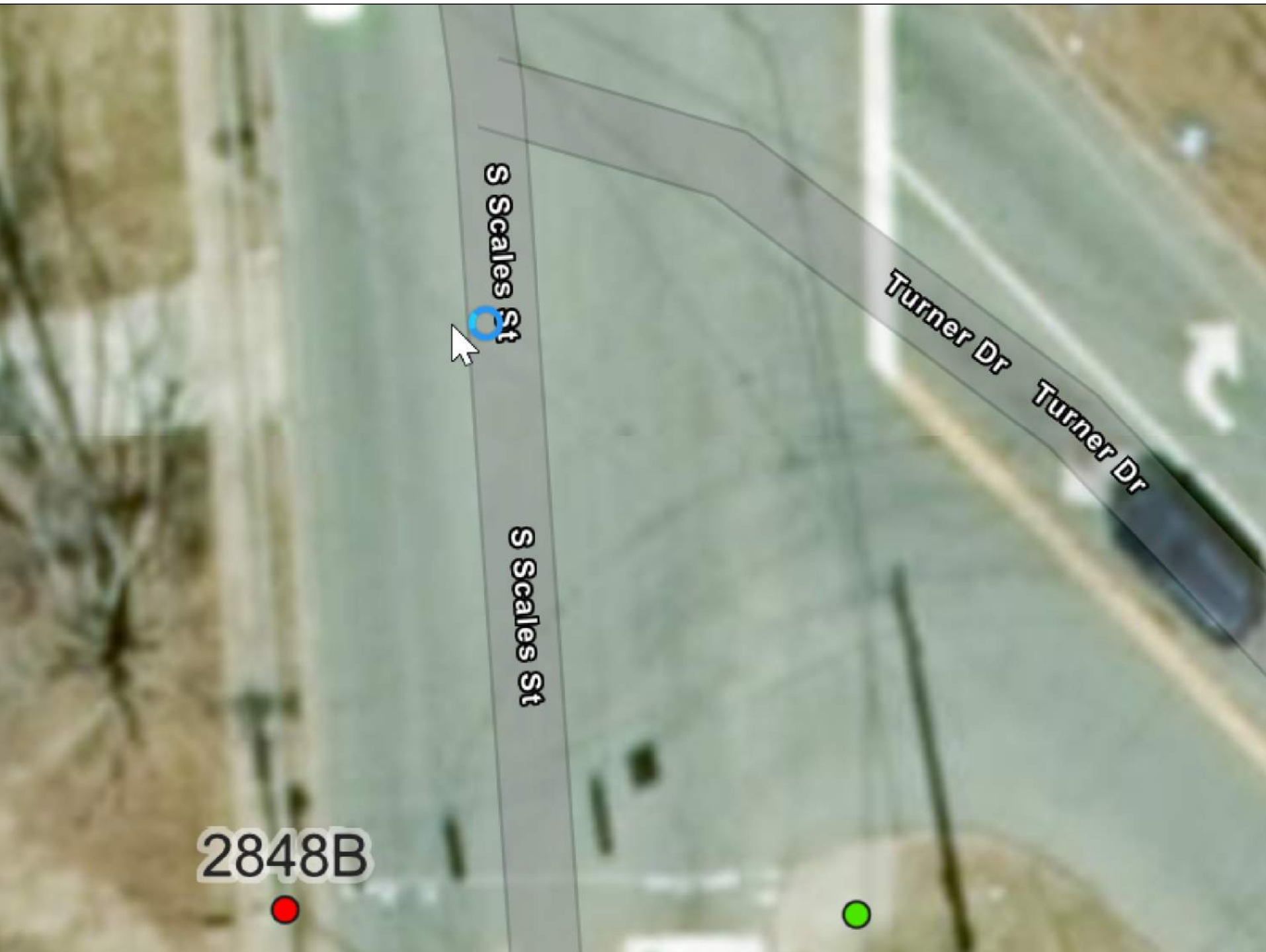
INSTALL NEW RAMP
RAMP 2847A
TO TYPE 2B
SEE SHEET NO.
SIG 1.0 THRU SIG 1.2
For Signal Upgrade

RAMP 2847B
Leave Ramp as is
SEE SHEET NO.
SIG 1.0 THRU SIG 1.2
For Signal Upgrade

Remove Existing Stop Bar
Locate NEW 25' 24" Stop Bar
Approx. 30' behind
existing Stop Bar and

Locate NEW 80' 8" Crosswalk
4' in front of Stop Bar
Remove and relocate
Left Turn Arrow

INSET 6: 2848
SR-2670 (S Scales St) & Turner Dr



UPGRADE
RAMP 2848B
TO TYPE 3
Relocate Mailbox if needed

INSET 7: 2856
SR-2687 (E Harrison St) & Se Market St



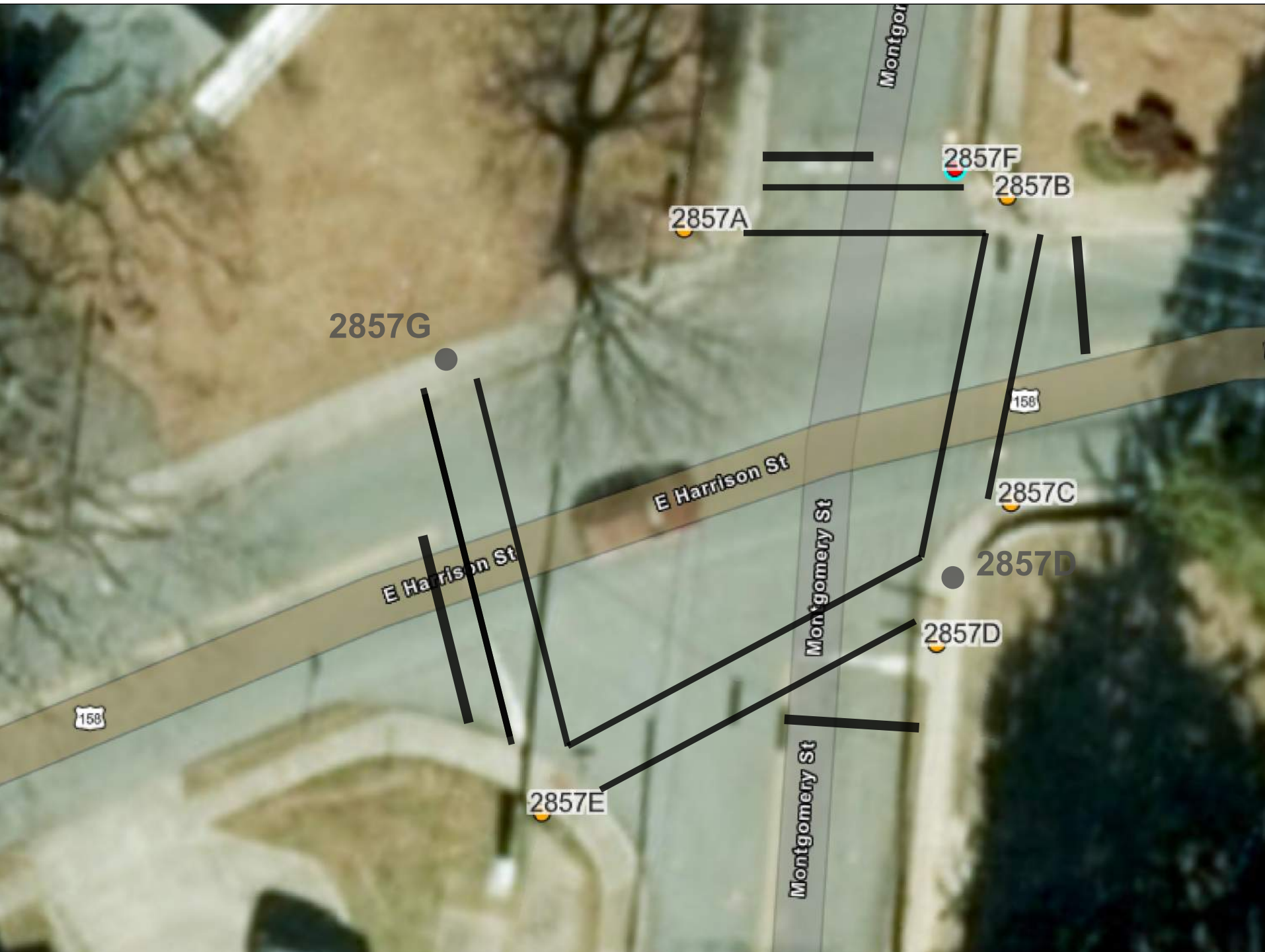
INSTAL NEW RAMP
RAMP 2856A
TO TYPE 1 MOD

INSTAL NEW RAMP
RAMP 2856B
TO TYPE 1

INSTAL NEW RAMP
RAMP 2856C
TO TYPE 1

INSTAL NEW RAMP
RAMP 2856D
TO TYPE 1
Adjust Valve

INSET 8: 2857
SR-2687 (E Harrison St) & Montgomery St



UPGRADE
RAMP 2857A
TO TYPE 2B
13' 24" Stop Bar
Locate 4' behind Crosswalk
Adjust Valve
New 60' 8" Crosswalk

UPGRADE
RAMP 2857B
TO TYPE 4C
15' 24" Stop Bar
Locate 4' behind Crosswalk
New 65' 8" Crosswalk

REMOVE
RAMP 2857C
included in **2857D**
Repair 15' Curb and Gutter
Repair 15' Sidewalk

UPGRADE and move location
RAMP 2857D
TO TYPE 2B
19' 24" Stop Bar
Locate 4' behind Crosswalk
New 95' 8" Crosswalk

UPGRADE
RAMP 2857E
TO TYPE 2B
30' 24" Stop Bar
Locate 4' behind Crosswalk
New 90' 8" Crosswalk

INSTALL NEW RAMP
RAMP 2857G
TO TYPE 2

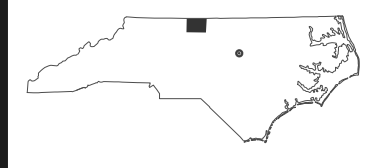
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80-2407B

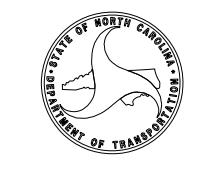
4RDI90

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ROCKINGHAM COUNTY



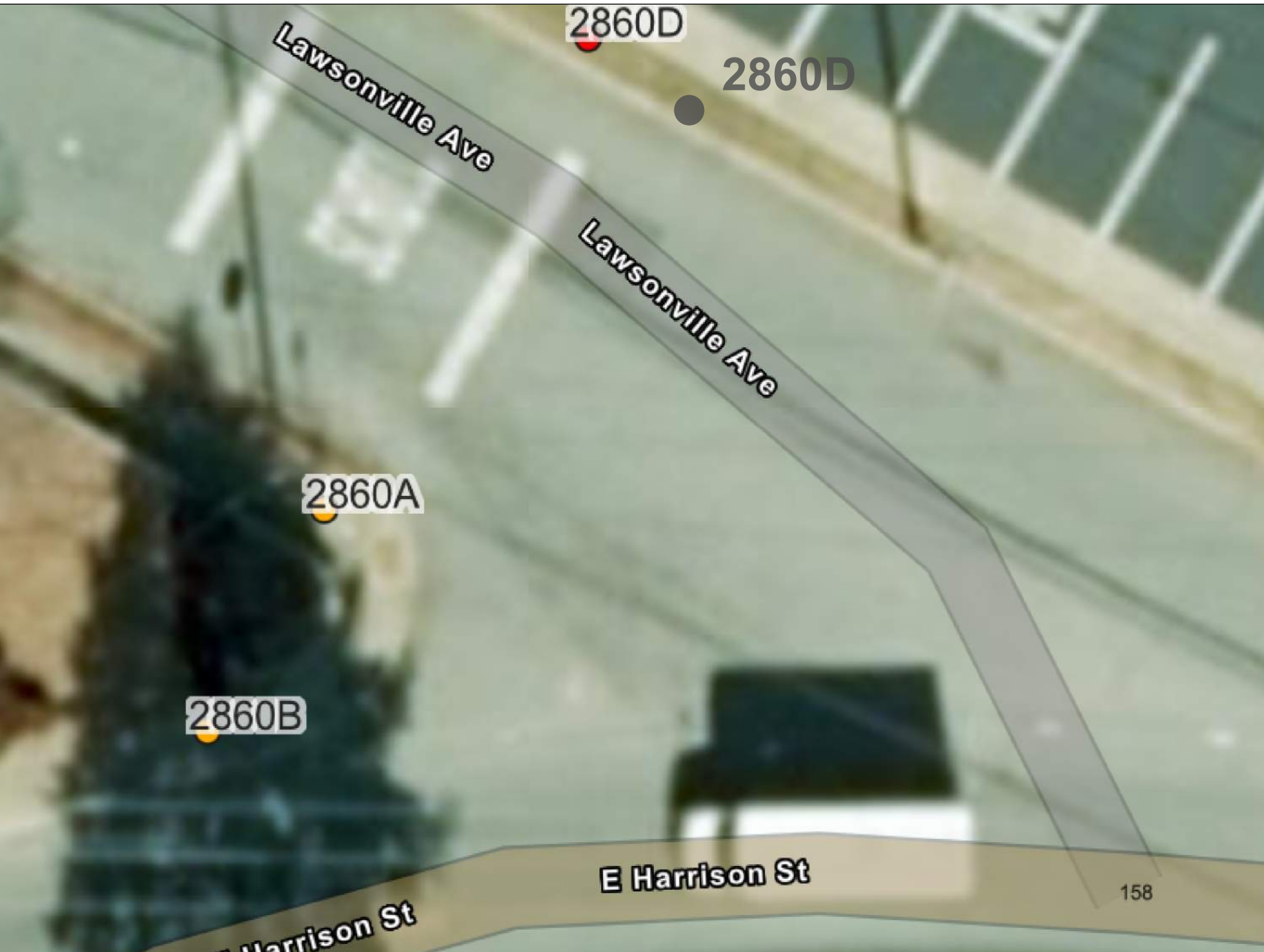
DIVISION 7
ROADWAY DESIGN
ENGINEER

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INSET 9: 2860
SR-2687 (E Harrison St) & Lawsonville Ave

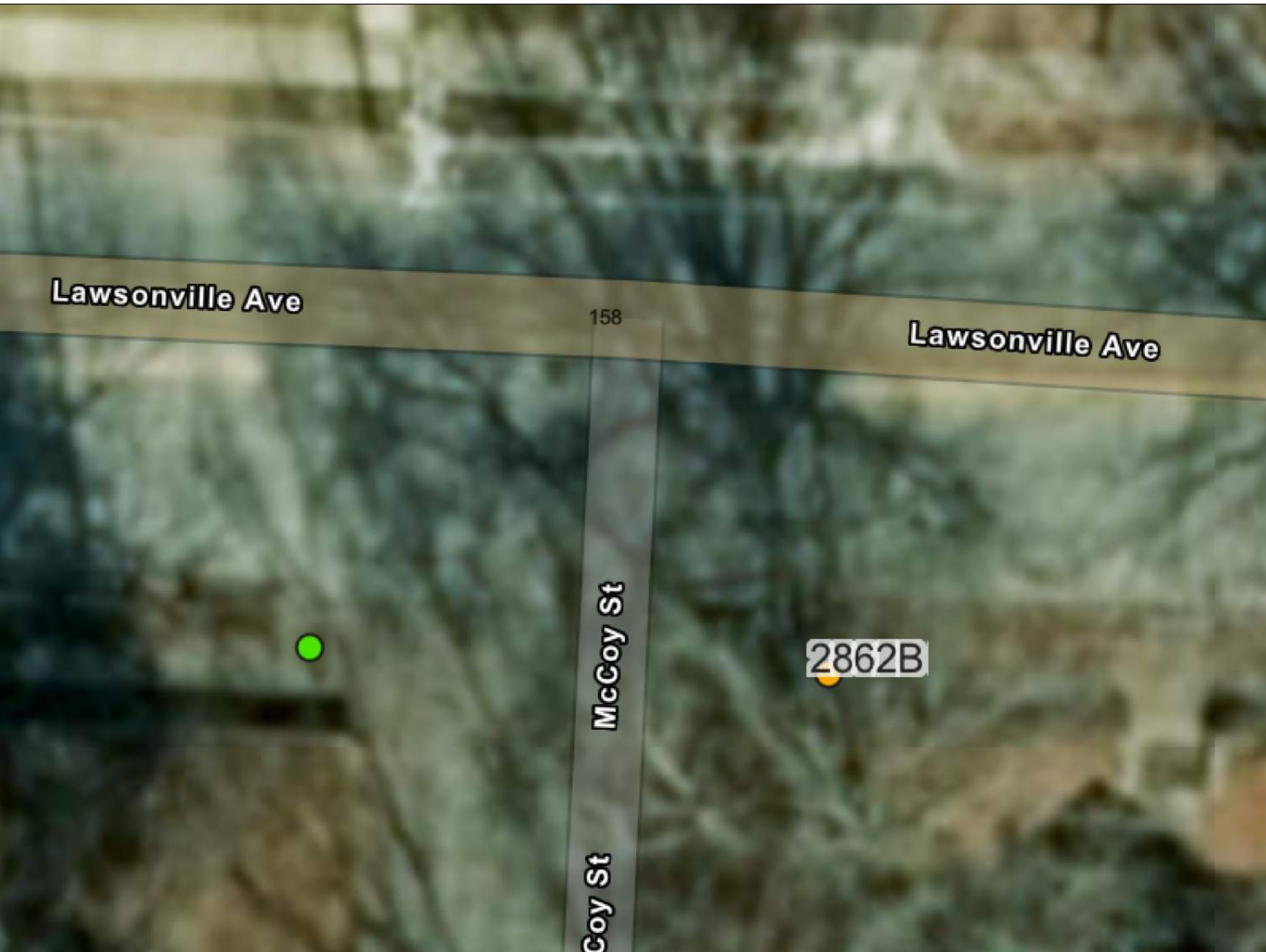


UPGRADE
RAMP 2860A
TO TYPE 2B

REMOVE
RAMP 2860B
Repair 15' Sidewalk
Repair 15' Curb & Gutter

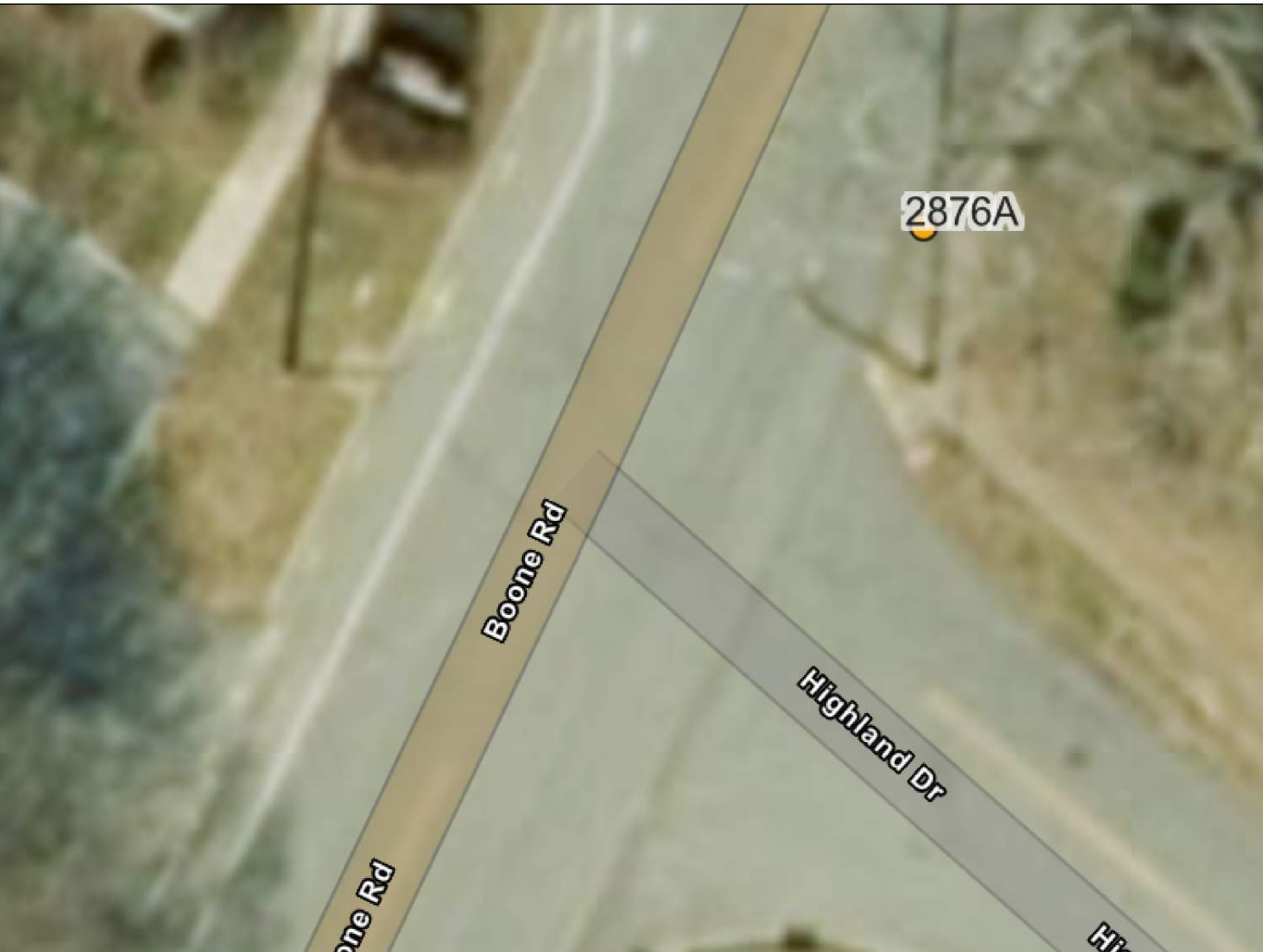
INSTALL NEW RAMP
RAMP 2860D
TO TYPE 3

INSET 10: 2862
SR-2687 (Lawsonville Ave) & McCoy St



UPGRADE
RAMP 2862B
TO TYPE 1 MOD
Shift toward power pole to avoid wall
Repair as needed
approximately
16' Curb and Gutter
Tie into existing
Sidewalk as needed
approximately 15'.
Relocate Street Sign if
needed.

INSET 11: 2876
SR-3002 (Boone Rd) & Highland Dr



UPGRADE
RAMP 2876A
TO TYPE 1D
Contact Division Utilities
if pole is not moved

INSET 12: 2888
SR-3130 (N Scales St) & Acme St



UPGRADE
RAMP 2888A
TO TYPE 2B
Adjust Valve

UPGRADE
RAMP 2888B
TO TYPE 2B
Avoid guy wire

REVISIONS

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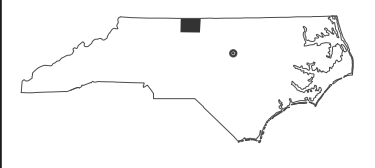
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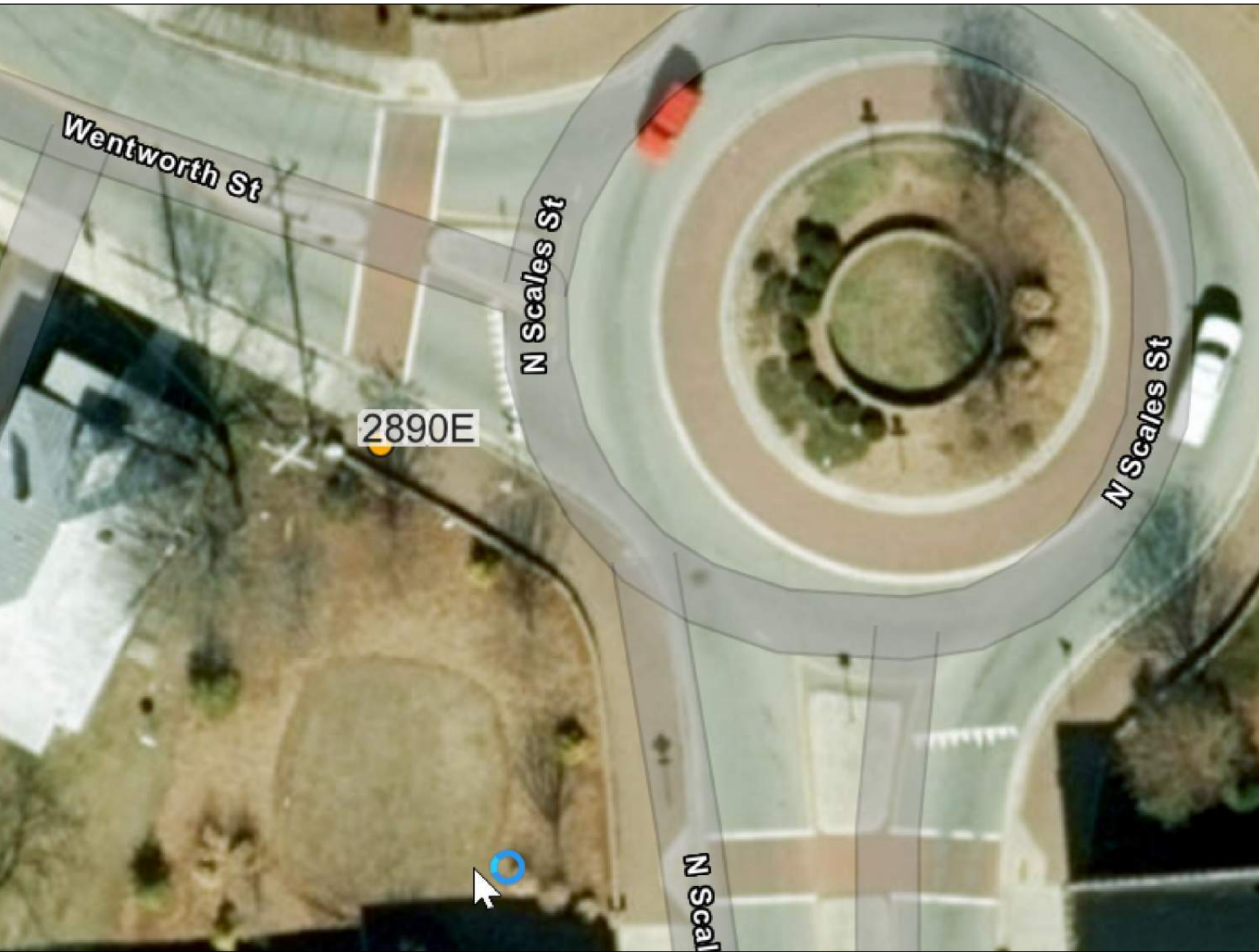
ROCKINGHAM COUNTY



DIVISION 7

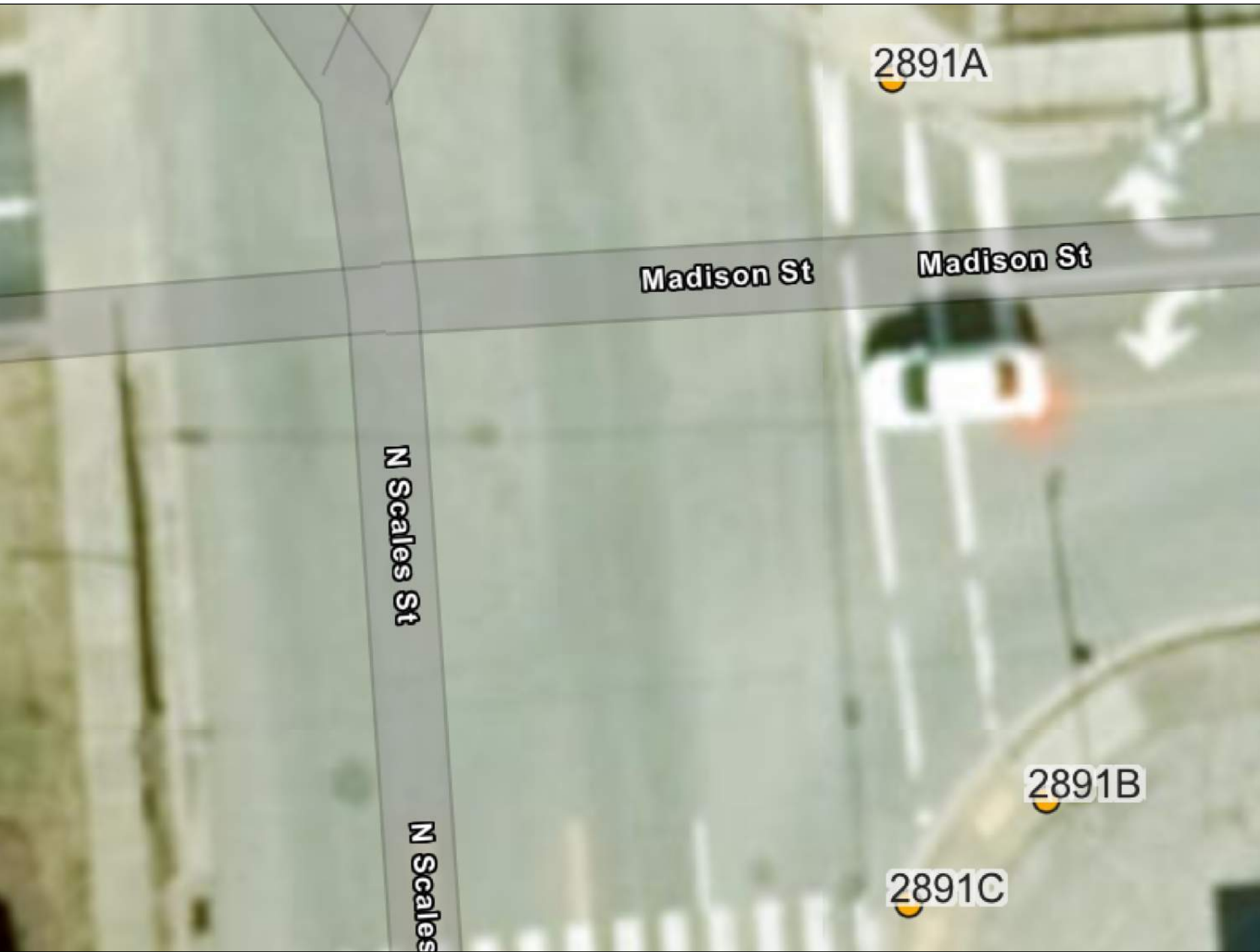
ROADWAY DESIGN
ENGINEER

INSET 13: 2890
SR-3130 (N Scales St) & Wentworth St



UPGRADE
RAMP 2890E
TO TYPE 848.06
Extend sidewalk
into ramp landing
Remove and reset
brick as needed

INSET 14: 2891
SR-3130 (N Scales St) & SR-2671 (Madison St)



UPGRADE
RAMP 2891A
TO TYPE 2B

UPGRADE
RAMP 2891B
TO TYPE 2B

UPGRADE
RAMP 2891C
TO TYPE 2B
Repair as needed
approximately
6' Curb and Gutter
Repair as needed
approximately
10' Sidewalk

INSET 15: 2924
N Main St & W Morehead St



UPGRADE
RAMP 2924A
TO TYPE 2B

UPGRADE
RAMP 2924B
TO TYPE 1B
Repair 5' Sidewalk if needed

RETROFIT
RAMP 2924C
Remove 16' Stop Bar
Relocate approx. 14' further away
from Main St

UPGRADE
RAMP 2924D
TO TYPE 4C

RAMP 2924E
Included in Ramp 2924D
Repair as needed
approximately
15' Sidewalk

INSTALL NEW RAMP
RAMP 2924F
TYPE 2A
RAMP 2924G
Included in Ramp 2924F

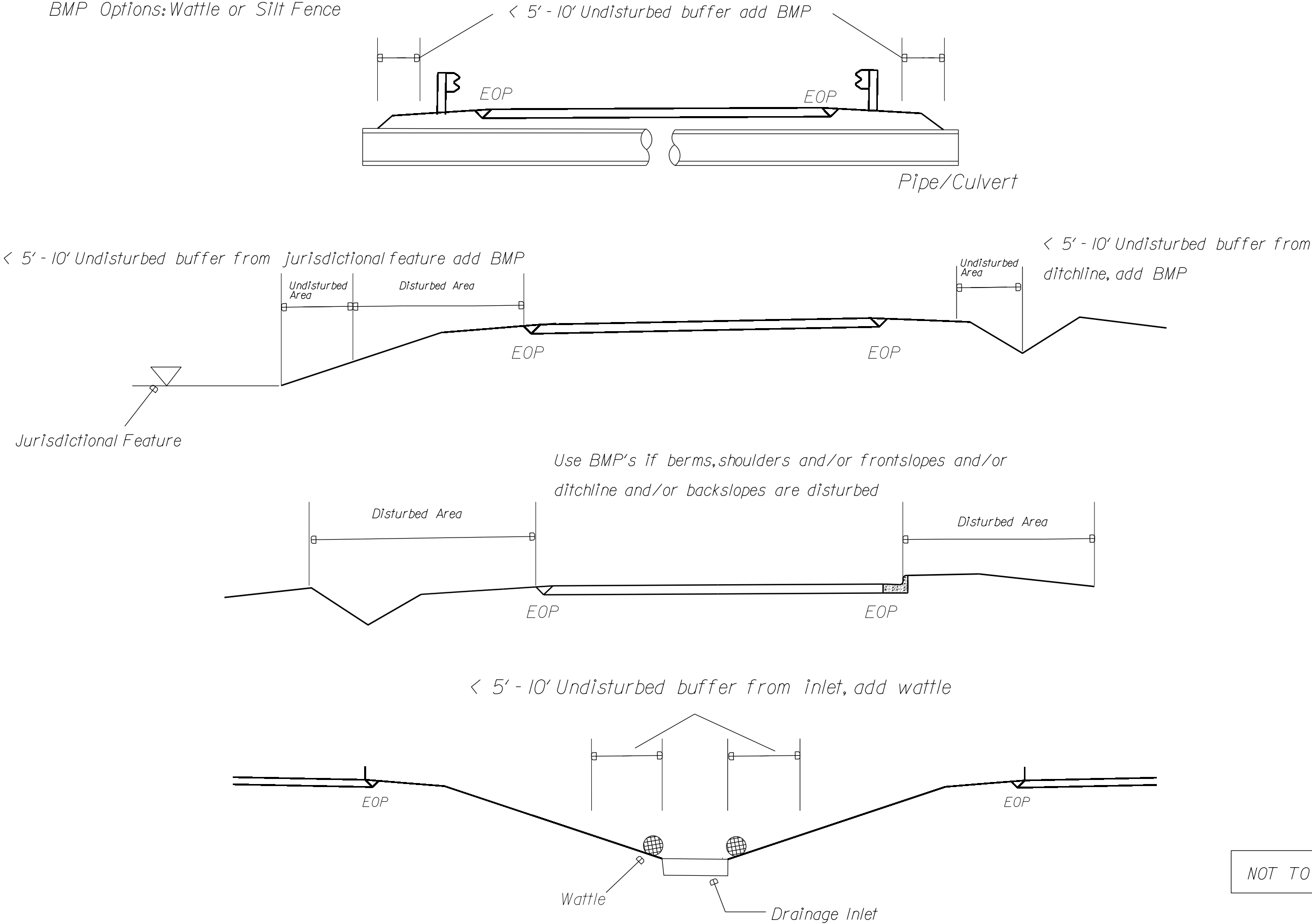


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NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

EROSION CONTROL DETAIL



NOT TO SCALE

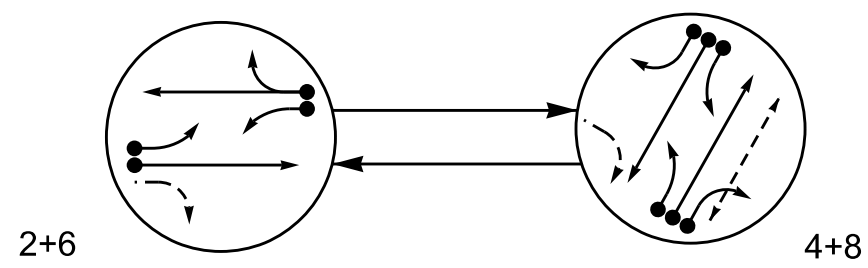
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

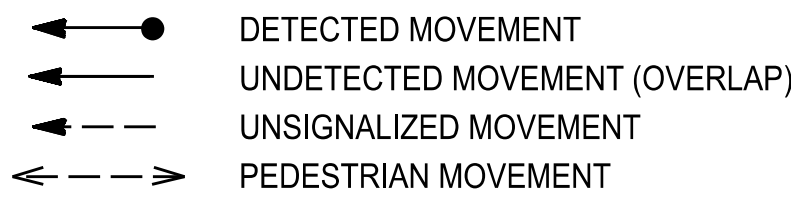
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (Hqw) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND Hqw ZONES.

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE
NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
NATURAL RESOURCES DIVISION OF WATER QUALITY.

PHASING DIAGRAM

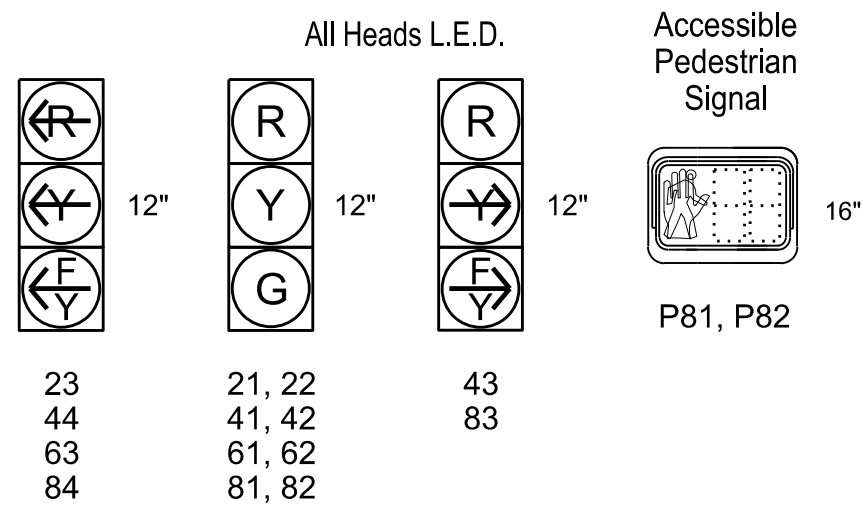


PHASING DIAGRAM DETECTION LEGEND



SIGNAL FACE	PHASE		
	2 + 6	4 + 8	FLASH
21, 22	G	R	R
23	F	R	R
41, 42	R	G	R
43	R	F	R
44	R	F	R
61, 62	G	R	R
63	F	R	R
81, 82	R	G	R
83	R	F	R
84	R	F	R
P81, P82	DW	W	DRK

SIGNAL FACE I.D.



ACCESSIBLE PEDESTRIAN SIGNAL OPERATION				
SIGNAL FACE	VOICE	TONES	INTERVAL	SPEECH MESSAGE
P81, P82	-	X	Walk	(Percussive Tone)
	X	-	Flashing Don't Walk/Don't Walk	Wait. Wait to cross Scales.

MAXTIME TIMING CHART				
FEATURE	2	4	6	8
Walk *	-	-	-	7
Ped Clear	-	-	-	10
Min Green *	10	7	10	7
Passage *	3.0	2.0	3.0	2.0
Max 1 *	0	25	35	25
Yellow Change	3.8	4.4	3.8	4.4
Red Clear	3.5	1.8	3.5	1.8
Added Initial *	-	-	-	-
Maximum Initial *	-	-	-	-
Time Before Reduction *	-	-	-	-
Time To Reduce *	-	-	-	-
Minimum Gap	-	-	-	-
Advance Walk	-	-	-	**
Non Lock Detector	-	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 9.

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
2A	6X6	70	4	-	2	-	-	X	-	X	-
2B	6X40	0	2-4-2	X	2	-	-	X	-	X	-
4A	6X40	0	2-4-2	-	4	3.0	-	X	-	X	-
4B	6X40	0	2-4-2	-	4	-	-	X	-	X	-
4C	6X40	0	2-4-2	-	4	15.0	-	X	-	X	-
6A	6X6	70	4	X	6	-	-	X	-	X	-
6B	6X40	0	2-4-2	X	6	-	-	X	-	X	-
8A	6X40	0	2-4-2	-	8	3.0	-	X	-	X	-
8B	6X40	0	2-4-2	-	8	-	-	X	-	X	-
8C	6X40	0	2-4-2	-	8	15.0	-	X	-	X	-
S9	6X6	+245	4	-	-	-	-	-	-	-	X
S10	6X6	+165	4	-	-	-	-	-	-	-	X
S11	6X6	+200	4	-	-	-	-	-	-	-	X
S12	6X6	+200	4	-	-	-	-	-	-	-	X
S13	6X6	+130	4	-	-	-	-	-	-	-	X

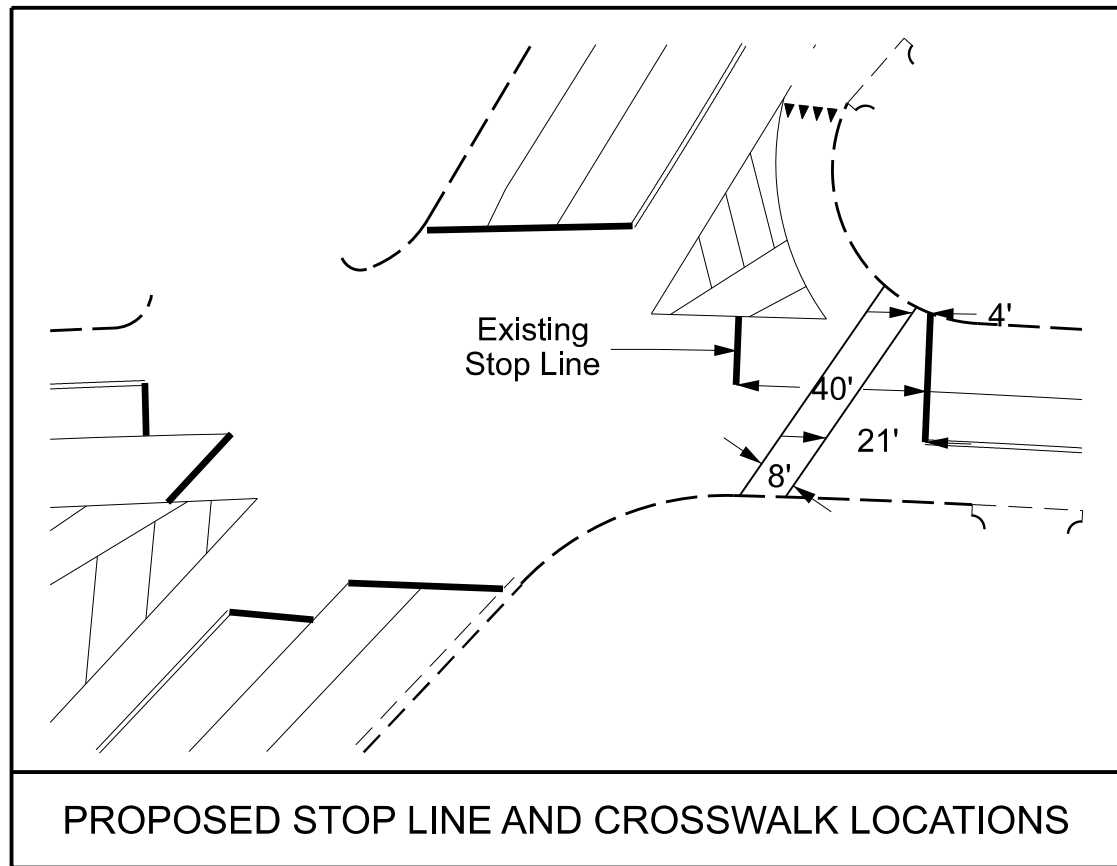
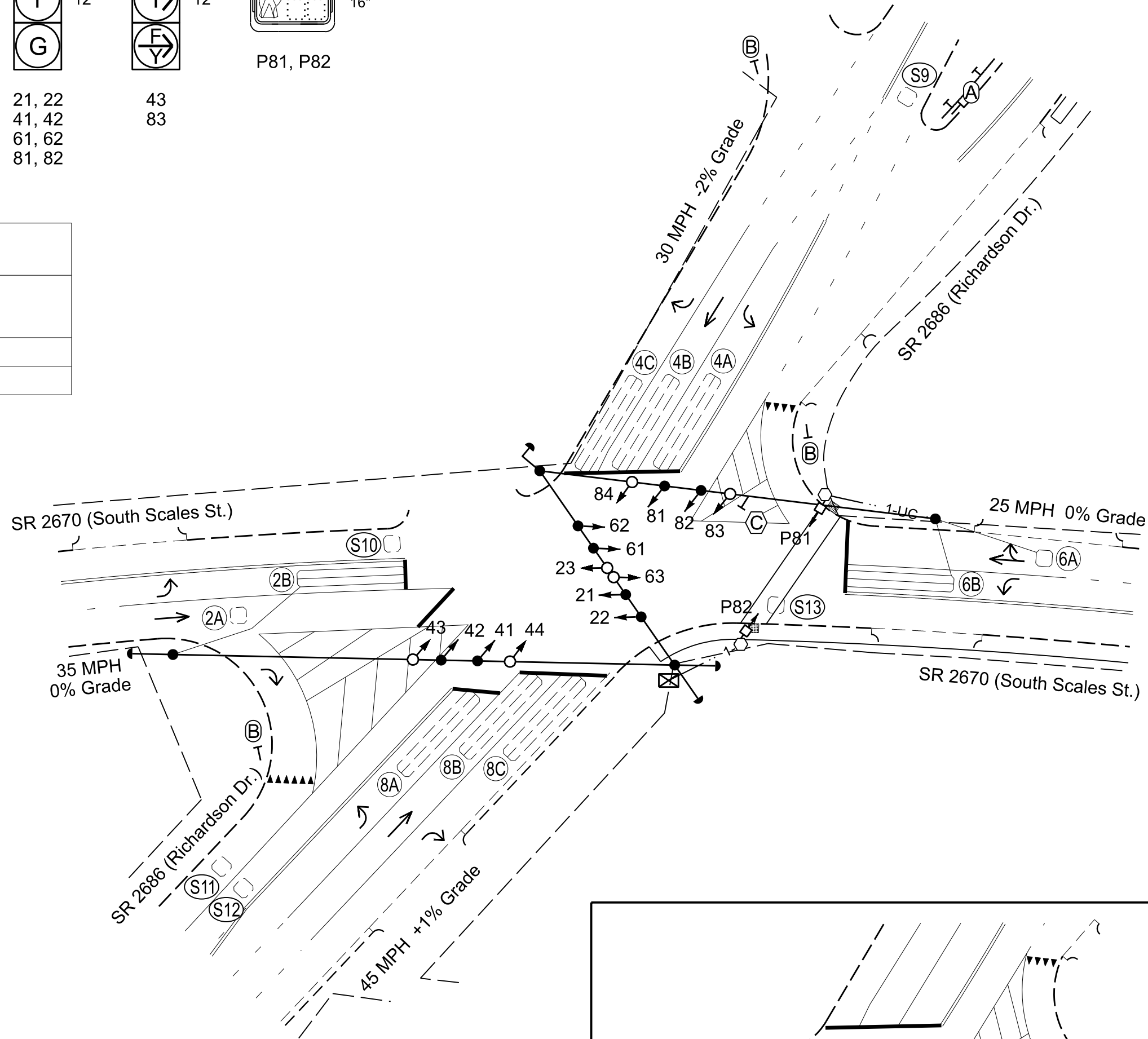
2 Phase
Fully Actuated
Reidsville CBD CLS
Signal System #: D07-04_Reidsville

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.
- Reposition existing signal heads 21, 22, 61, and 62.
- Set all detector units to presence mode.
- In the event of loop replacement, refer to the current TSMO Design Manual and submit a Plan of Record to the Signal Design Section.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- 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 8, program FYA heads 44 and 83 to delay for 5 seconds after the start of the phase 8 walk interval. See Electrical Details for programming.
- This intersection features accessible pedestrian signals utilizing percussive tone walk indications and/or speech messages.
- Pavement markings are existing unless otherwise shown.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values supersede these values.

LEGEND

PROPOSED	EXISTING

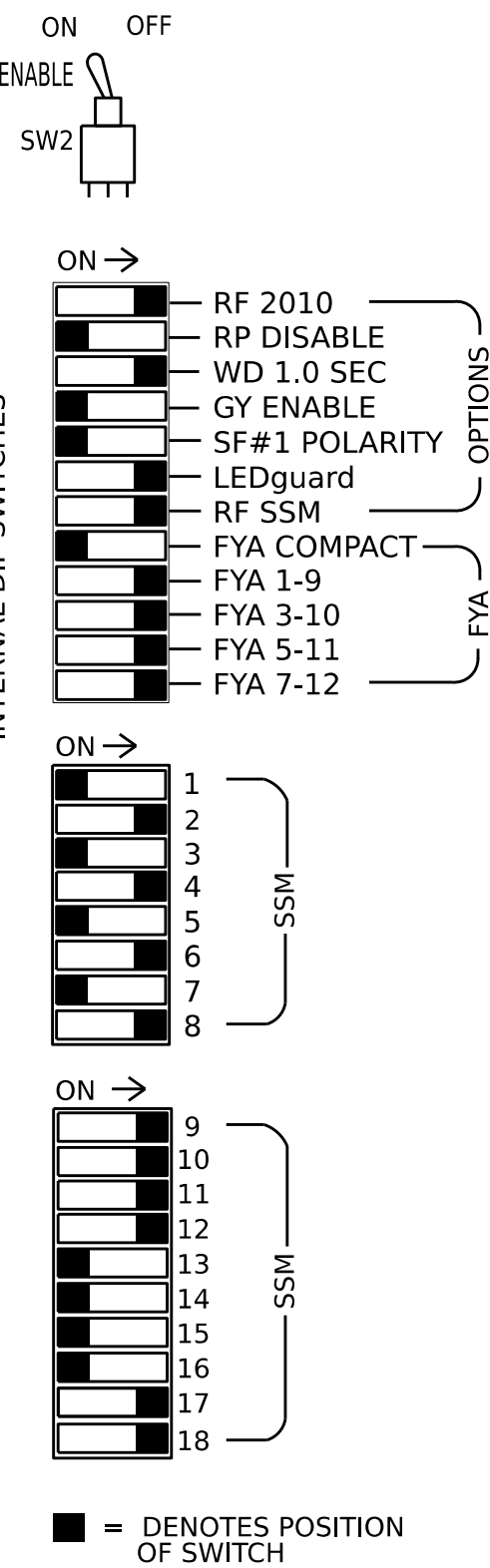


Signal Upgrade

Prepared in the Offices of: 750 N. Greenfield Pkwy, Garner, NC 27529	SR 2670 (South Scales Street) at SR 2536 (Richardson Drive) Division 7 Rockingham County Reidsville PLAN DATE: February 2026 PREPARED BY: J.A. Lohr REVIEWED BY: J.A. Lohr	DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL NORTH CAROLINA PROFESSIONAL ENGINEER ROBERT J. ZEMBA 026486 03/27/2026 SIG. INVENTORY NO. 07-0311
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(remove jumpers and set switches as shown)

$\square$



NOTES:

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 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.

5. The cabinet and controller are part of the Reidsville CBD CLS, Signal System #: D07-04 Reidsville

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, S5, S8, S11, S12, AUX S1, AUX S2, AUX S3, AUX S4, AUX S5, AUX S6

- | | |
|------------------|------------------|
| Phases Used..... | 2, 4, 6, 8, 8PED |
| Overlap "1"..... | * |
| Overlap "2"..... | * |
| Overlap "3"..... | * |
| Overlap "4"..... | * |
| Overlap "5"..... | * |
| Overlap "6"..... | * |

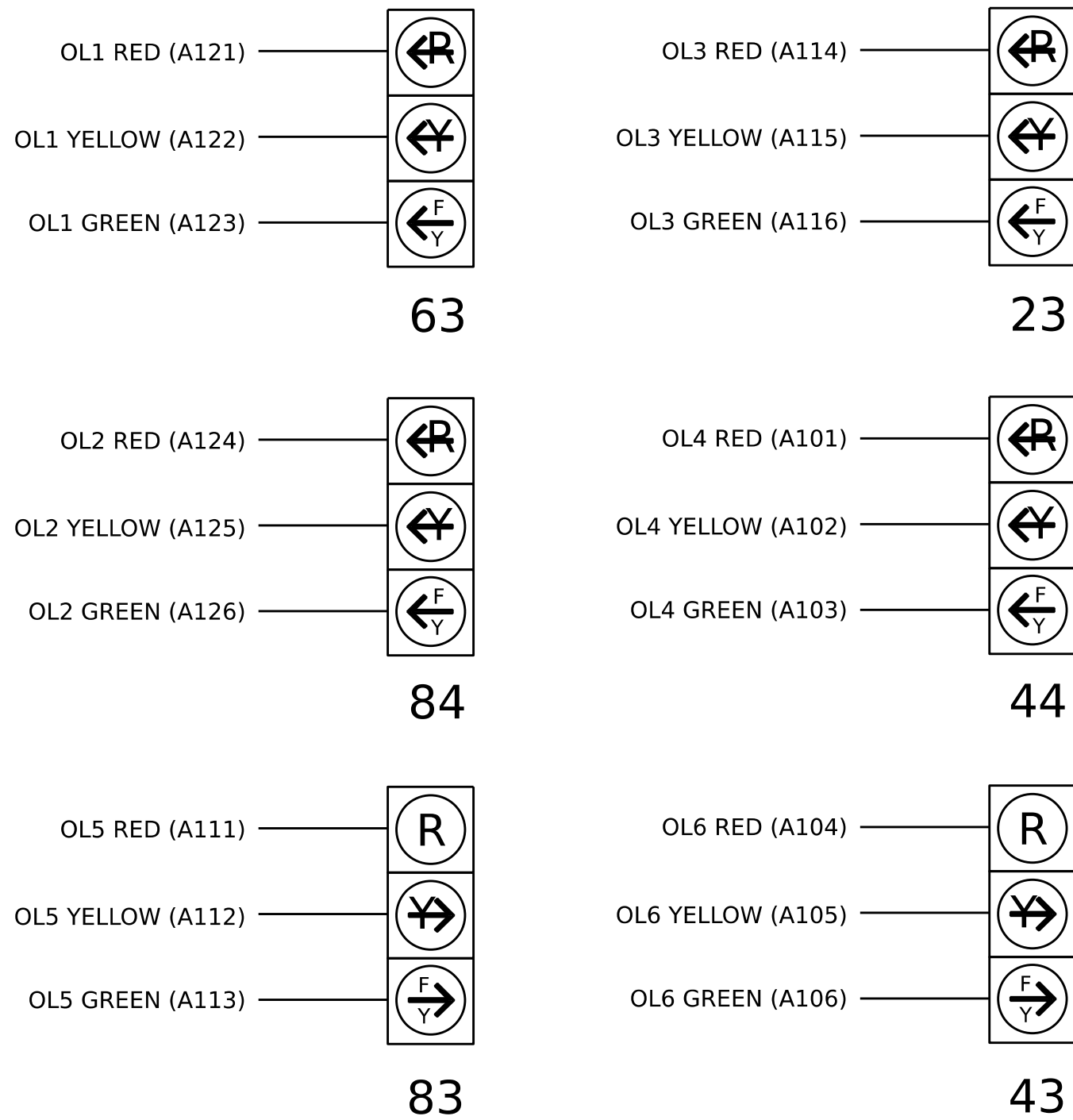
*See overlap programming detail on sheet 2

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	OL6
SIGNAL HEAD NO.	NU	21,22	NU	NU	41,42	NU	NU	61,62	NU	NU	81,82	P81, P82	63★	84★	83★	23★	44★	43★
RED		128			101			134			107				A111			A104
YELLOW		129			102			135			108							
GREEN		130			103			136			109							
RED ARROW													A121	A124		A114	A101	
YELLOW ARROW													A122	A125	A112	A115	A102	A105
FLASHING YELLOW ARROW													A123	A126	A113	A116	A103	A106
GREEN ARROW																		
												110						
												112						

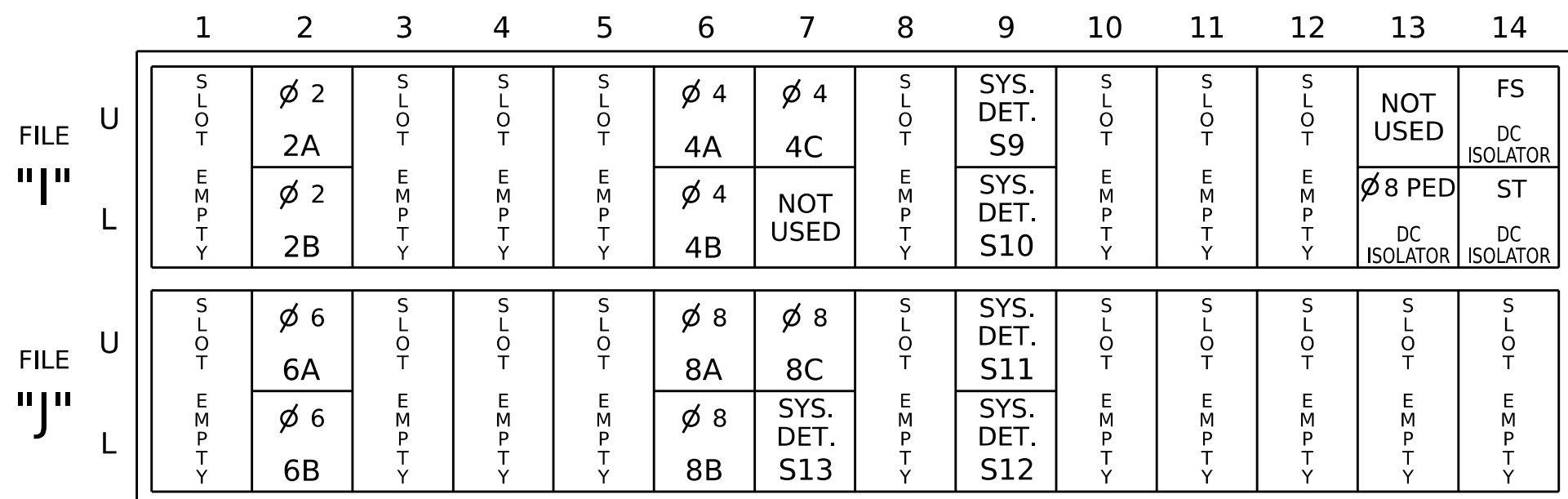
NU = Not Used

★ See pictorial of head wiring in detail this sheet.

(wire signal heads as shown)



(front view)



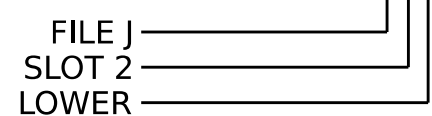
EX. : 1A, 2A, ETC. = LOOP NO.'S

FS = FLASH SENSE
ST = STOP TIME

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
2A	TB2-5,6	I2U	39	1	2	2			X		X	
2B	TB2-7,8	I2L	43	5	3	2			X		X	
4A	TB4-9,10	I6U	41	3	8	4	3.0		X		X	
4B	TB4-11,12	I6L	45	7	9	4			X		X	
4C	TB6-1,2	I7U	65	31	10	4	15.0		X		X	
6A	TB3-5,6	J2U	40	2	16	6			X		X	
6B	TB3-7,8	J2L	44	6	17	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			X		X	
8C	TB7-1,2	J7U	66	32	24	8	15.0		X		X	
*S9	TB6-9,10	J9U	60	22	13	SYS						
*S10	TB6-11,12	J9L	62	24	14	SYS						
*S11	TB7-9,10	J9U	59	21	27	SYS						
*S12	TB7-11,12	J9L	61	23	28	SYS						
*S13	TB7-3,4	J7L	79	45	25	SYS						
PED PUSH BUTTONS							NOTE: INSTALL DC ISOLATOR IN INPUT FILE SLOT I13.					
P81,P82	TB8-8,9	I13L	70	36	8	PED 8						

*System detector only. Remove any assigned vehicle phase.

INPUT FILE POSITION LEGEND: J2L



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.

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 07-0311
DESIGNED: February 2026
SEALED: 03/27/2026
REVISED: N/A

Electrical Detail - Sheet 1 of 2

DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

Electrical and Programming

SR 2670 (South Scales Street)
at
SR 2536 (Richardson Drive)

Division 7 Rockingham County Reidsville

PLAN DATE: March 2026	REVIEWED BY:
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PREPARED BY: Tim Langston	REVIEWED BY:
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REVISIONS	INIT.	DATE
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Seal of the Professional Engineer, North Carolina, SEAL 031001, D. TODD JOYCE.

D. Todd Joyce 03/27/2021

A90CADFDBD4241D... DATE 07/02/11

SIG. INVENTORY NO. 07-0311

OVERLAP PROGRAMMING

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

Web Interface
Home >Controller >Overlap Configuration >Overlaps

Overlap Plan 1

Overlap (Signal Head No.)	1 (63)	2 (84)	3 (23)	4 (44)	5 (83)	6 (43)
Type	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section	FYA 4 - Section
Included Phases	2	4	6	8	8	4
Modifier Phases	-	-	-	-	-	-
Modifier Overlaps	-	-	-	-	-	-
Trail Green	0	0	0	0	0	0
Trail Yellow	0.0	0.0	0.0	0.0	0.0	0.0
Trail Red	0.0	0.0	0.0	0.0	0.0	0.0
FYA Ped Delay	0.0	0.0	0.0	5.0	5.0	0.0

NOTICE
FYA PED
DELAY

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

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

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.

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.

Electrical and Programming
Details For:

Prepared in the Offices of:



750 N. Greenfield Pkwy, Garner, NC 27529

SR 2670 (South Scales Street)
at
SR 2536 (Richardson Drive)

Division 7Rockingham CountyReidsville

PLAN DATE: March 2026REVIEWED BY:

PREPARED BY: Tim LangstonREVIEWED BY:

REVISIONS

INIT.

DATE

SEAL
NORTH CAROLINA
PROFESSIONAL
ENGINEER
SEAL
031001
D. TODD JOYCE

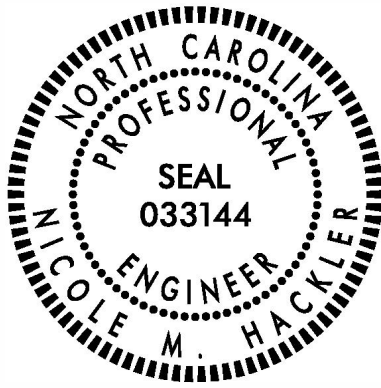
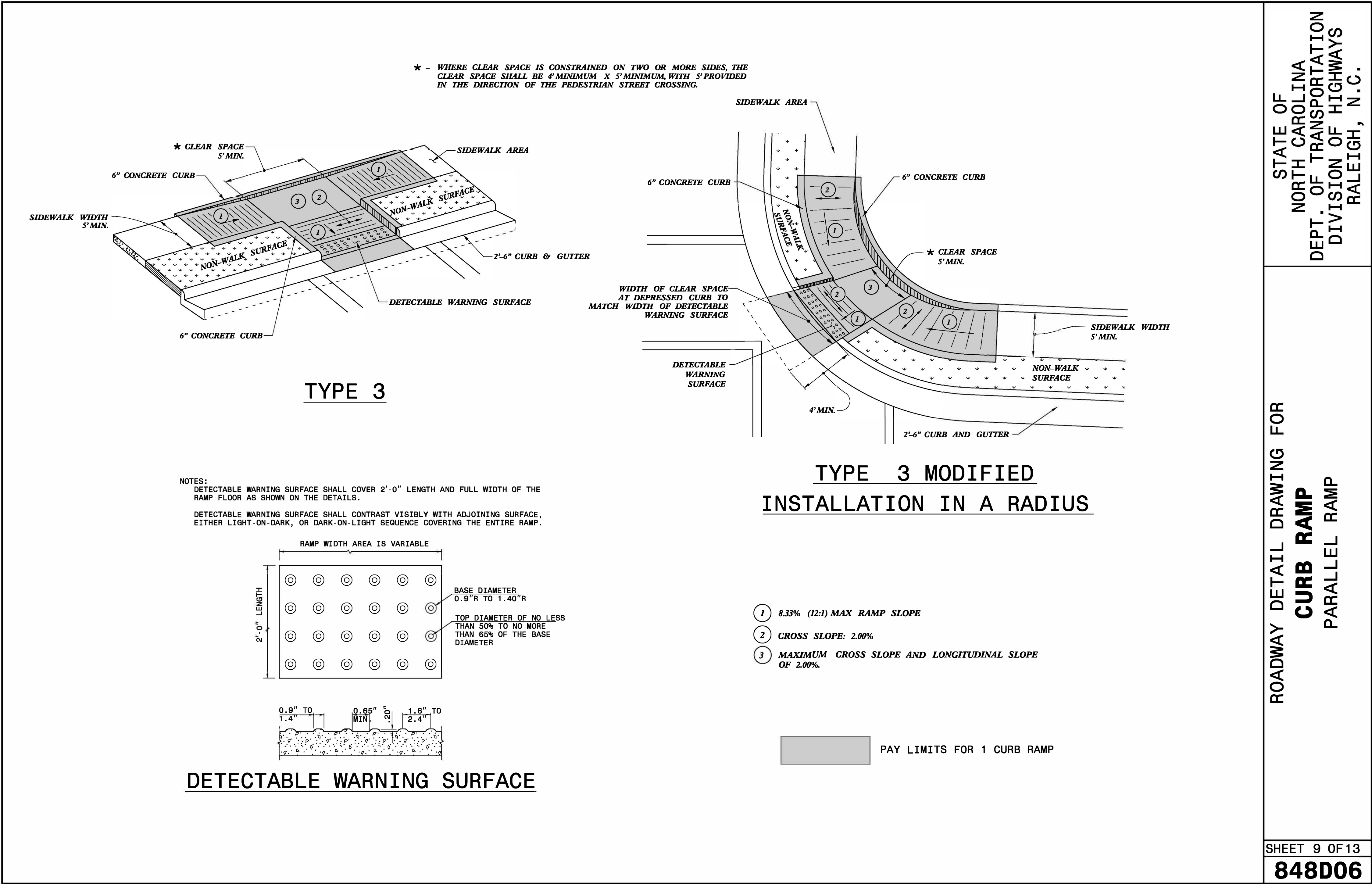
DocuSigned by:
D. Todd Joyce

03/27/2026

DATE

SIG. INVENTORY NO. 07-0311

THIS ELECTRICAL DETAIL IS FOR
THE SIGNAL DESIGN: 07-0311
DESIGNED: February 2026
SEALED: 03/27/2026
REVISED: N/A



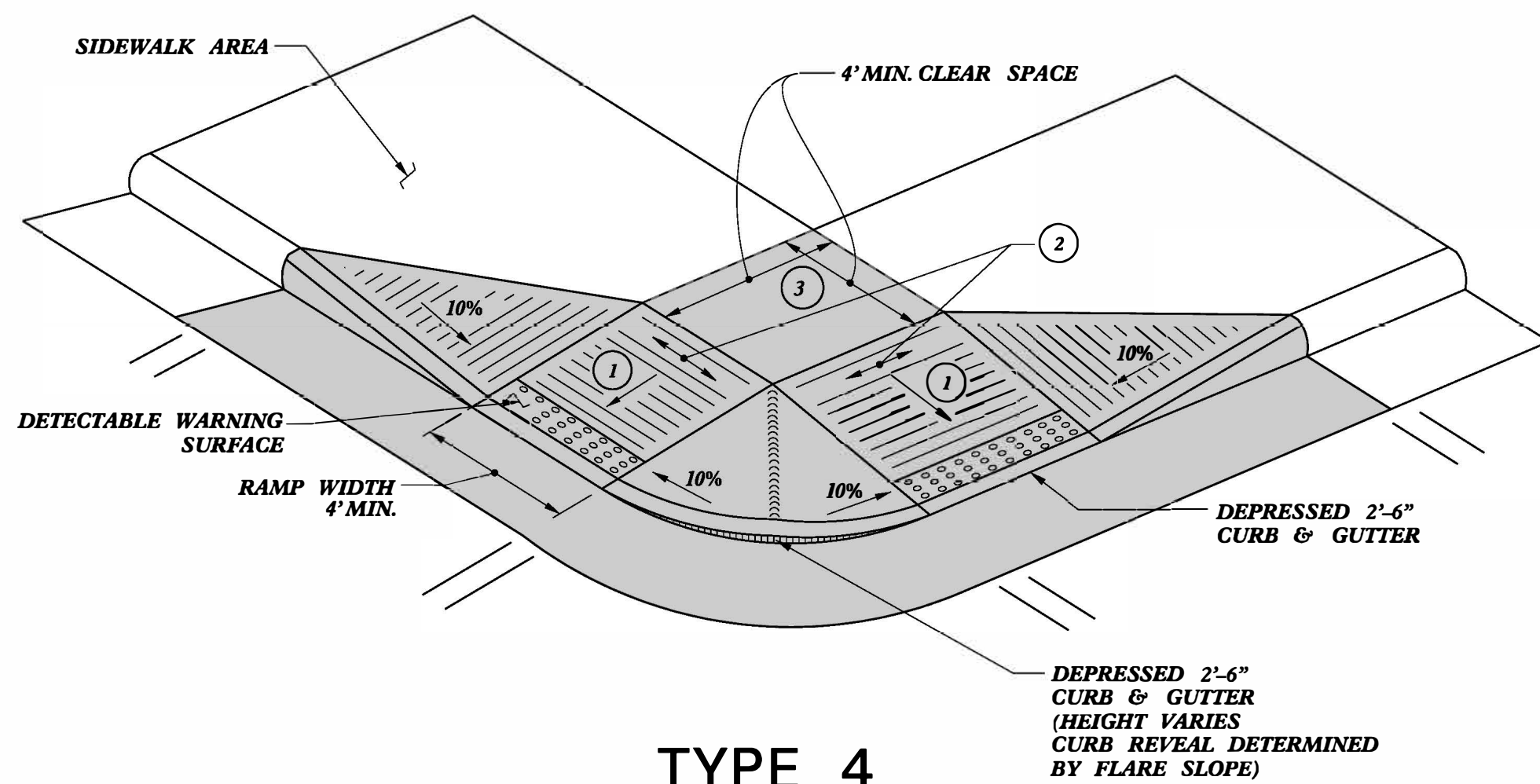
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Nicole M. Hacker
S88A323D34164C5...
01/14/2026

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UNLESS ALL SIGNATURES COMPLETED

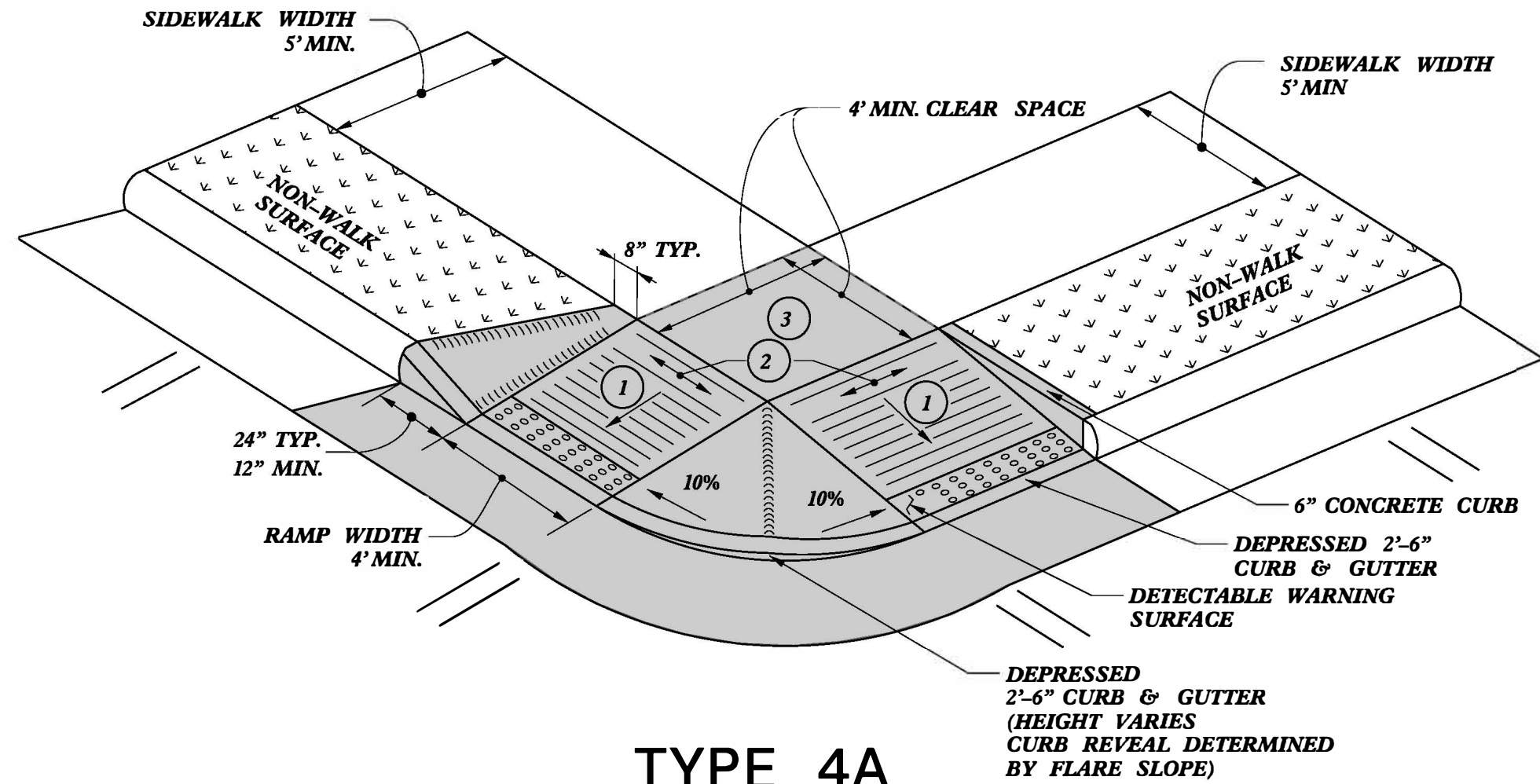
CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

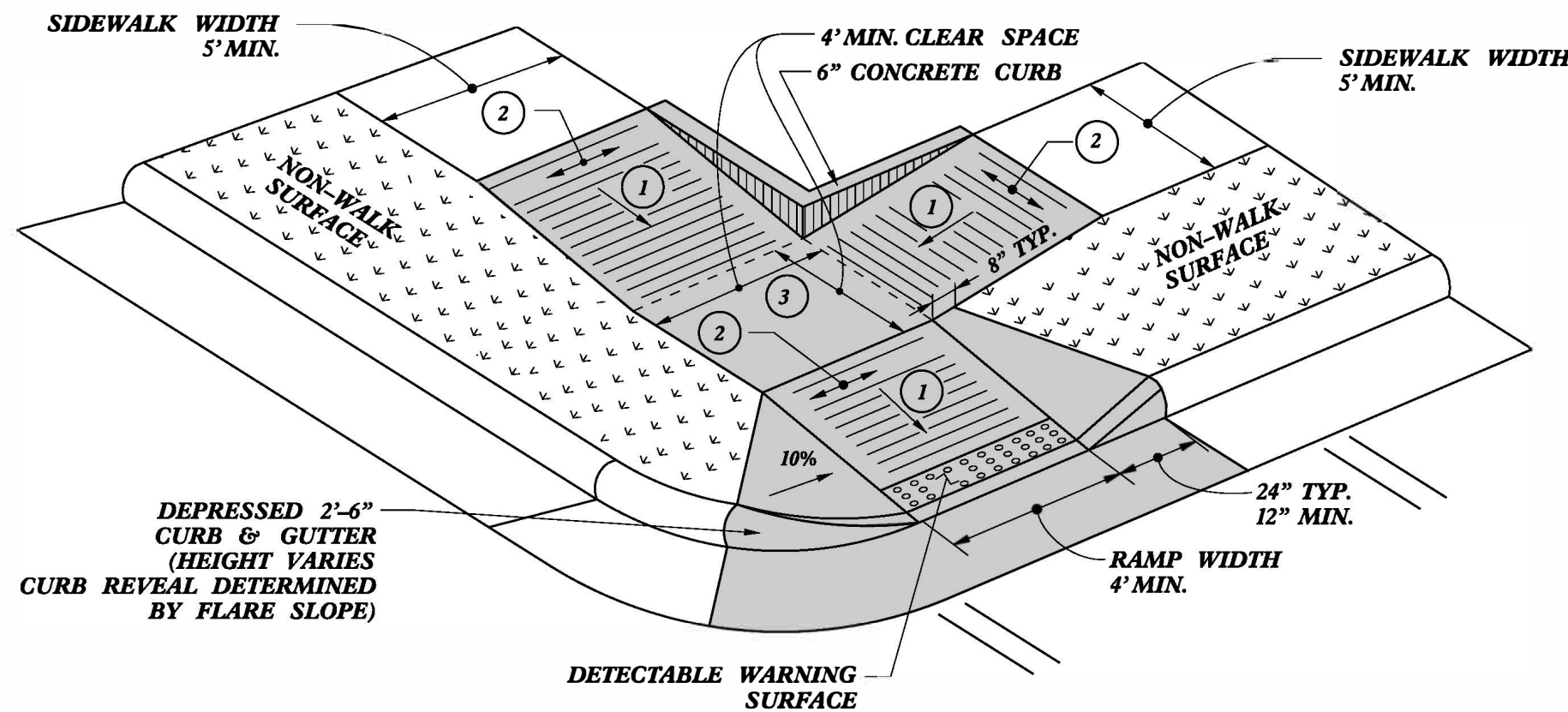
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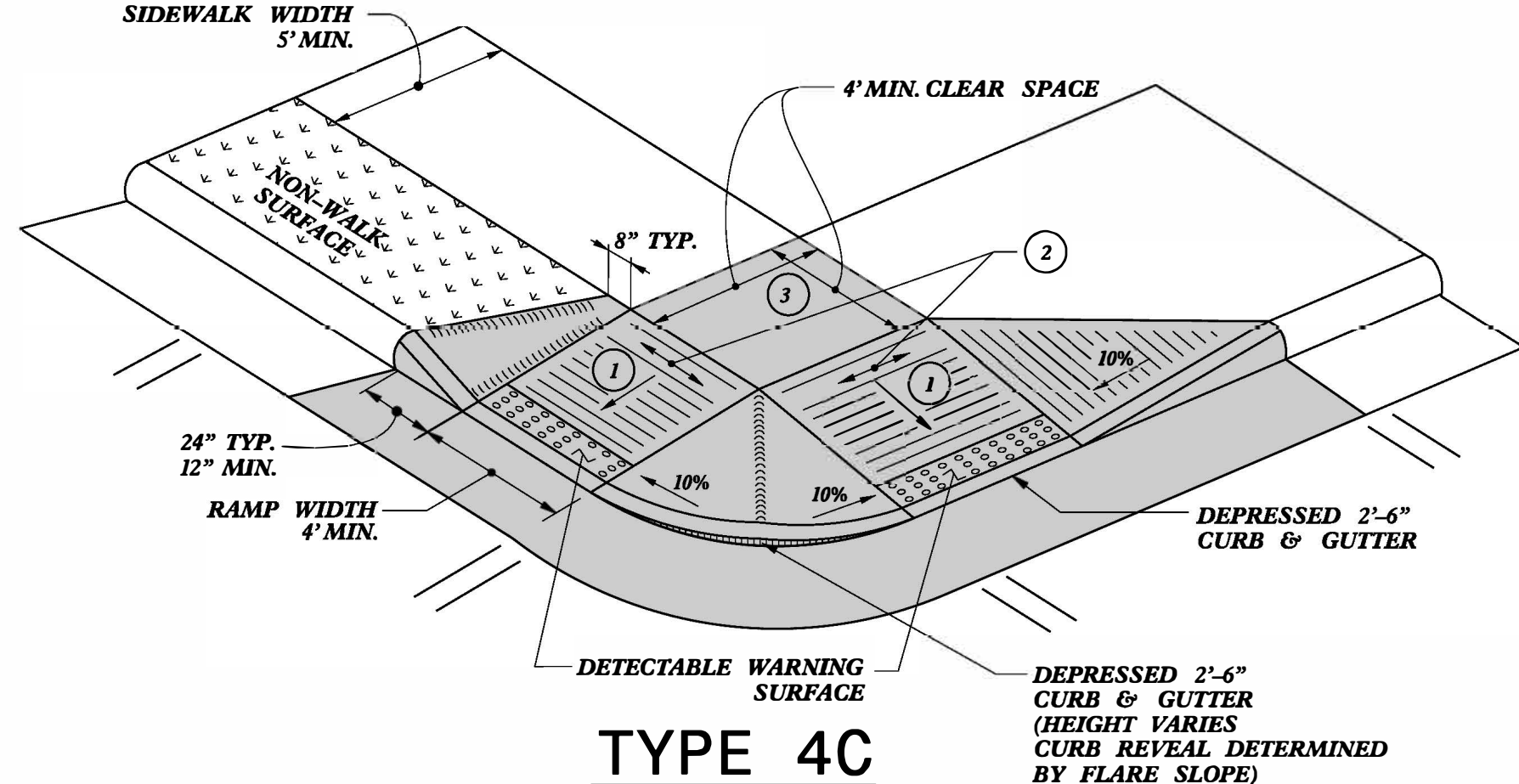
TYPE 4



TYPE 4A

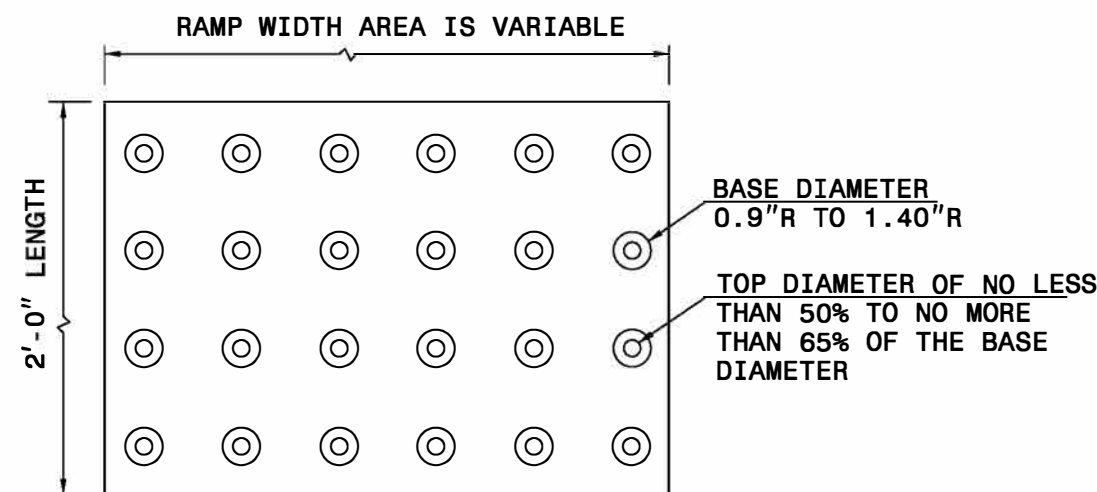


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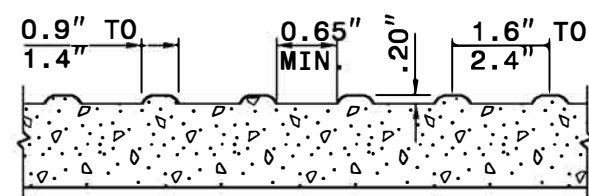


TYPE 4C

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



DETECTABLE WARNING SURFACE



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

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

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

ROADWAY DETAIL DRAWING FOR
CURB RAMP
SHARED LANDING

SHEET 10 OF 13
848D06



Signed by:
Nicole M. Hickler
088432033144CS
01/14/2026

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

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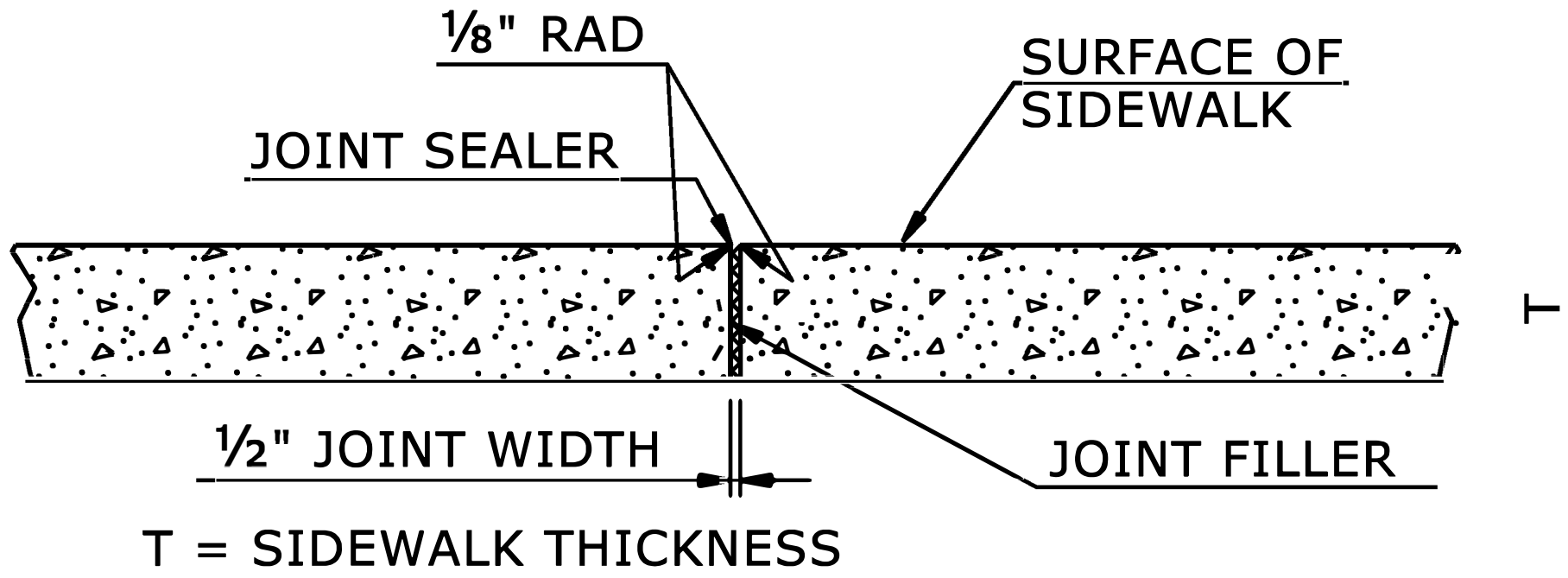
ORIGINAL BY: S.CALHOUN DATE: 12-22-2023
MODIFIED BY: DATE:
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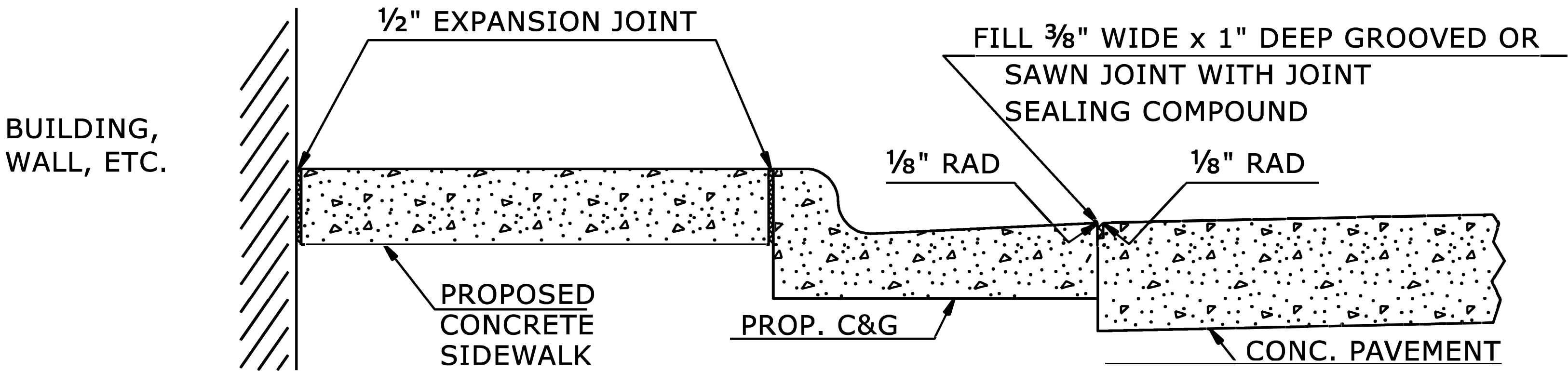
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

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



Signed by:
Nicole M. Hacker
01/14/2026

SHEET 1 OF 1
848D01

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**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

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

SEE TITLE BLOCK

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FILE SPEC.: DATE: