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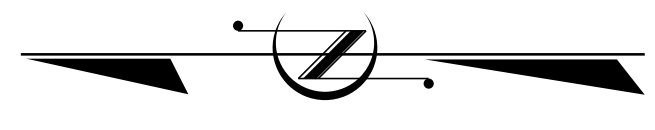
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See Sheet 1A For Index of Sheets

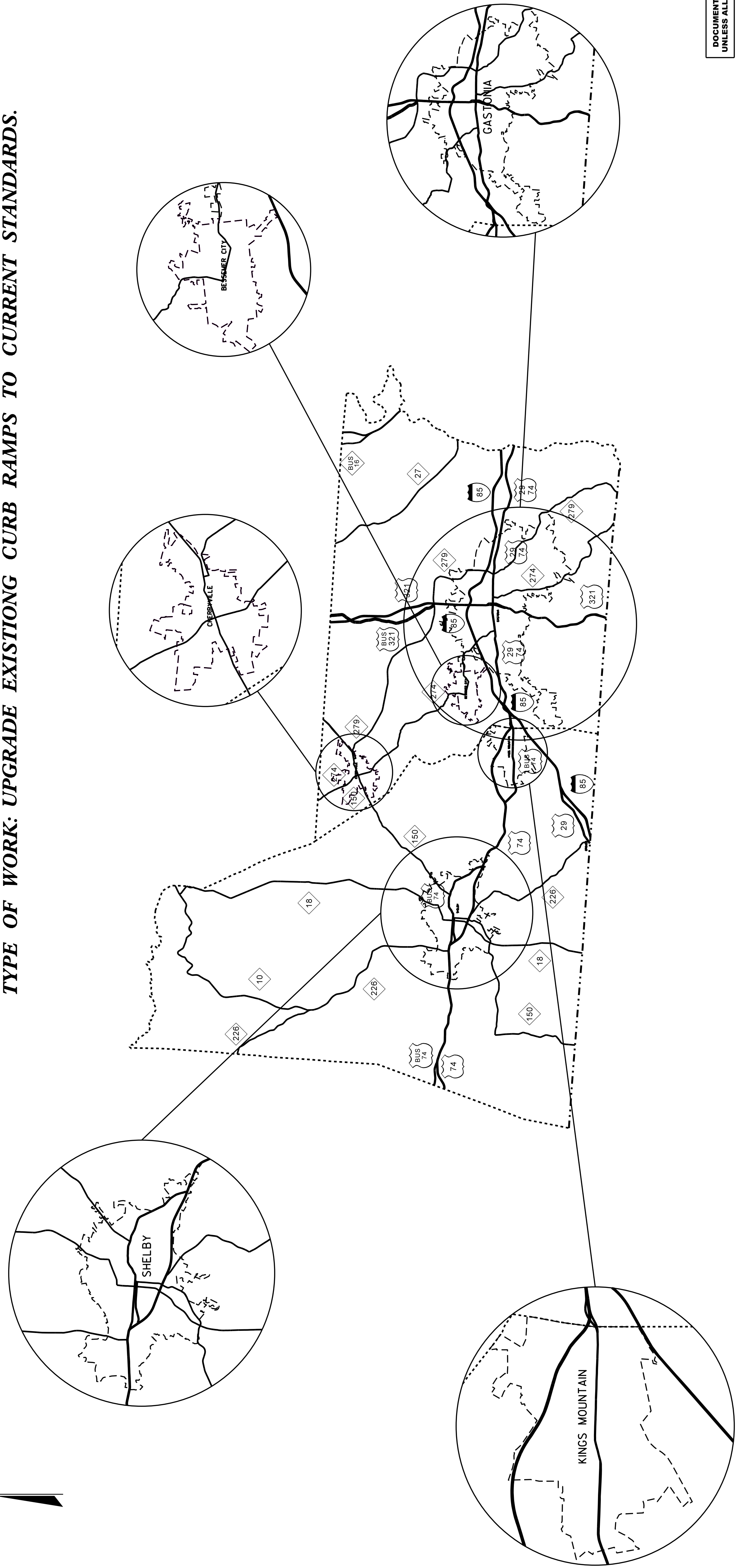
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CLEVELAND AND GASTON COUNTIES



LOCATION: *VARIOUS THROUGHOUT: BESSEMER CITY, CHERRYVILLE
GASTONIA, KINGS MOUNTAIN AND SHELBY.*

TYPE OF WORK: *UPGRADE EXISTING CURB RAMPS TO CURRENT STANDARDS.*



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5792AA & AF	1	27
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
44922.1.6	TAP-1229 (032)	PE	
44922.3.6	TAP-1229 (024)	CONST. CLEV. > 5,000	
44922.3.10	TAP-1229 (026)	CONST. GAST. > 5,000	

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:

DIVISION OF HIGHWAYS

1710 E. MARION ST., SHELBY NC 28150

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

N/A

LETTING DATE:

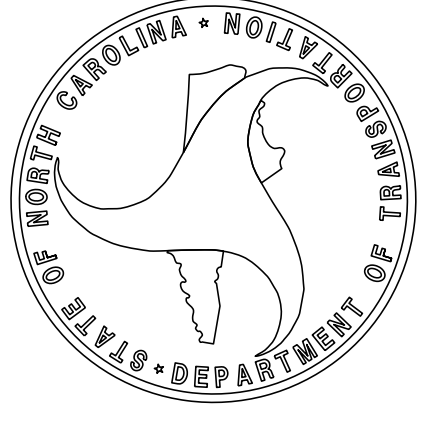
OCT. 23, 2018

WESLEY CARY

PROJECT ENGINEER

BARRY BINGHAM, PE

PROJECT DESIGN ENGINEER



CONTRACT: DL00188
TIP PROJECT: R-5792AA & AF

PROJECT REFERENCE NO.	SHEET NO.
R-5792AA & AF	1A

INDEX OF SHEETS		2018 SPECIFICATIONS		2018 ROADWAY ENGLISH STANDARD DRAWINGS	
SHEET NUMBER	SHEET	GENERAL NOTES:			
1	TITLE SHEET	CURB RAMPS			The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS				
1B	CONVENTIONAL SYMBOLS				
2C-1 THRU 2C-3	SPECIAL DETAILS				
4 THRU 27	PLAN AND SUMMARY OF QUANTITIES				
TMP-1 THRU TMP-1B	TRAFFIC MANAGEMENT PLANS				

STD.NO.	TITLE
DIVISION 8 - INCIDENTALS	
848.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
848.02	Curb Ramp - Proposed Curb & Gutter
848.06	Curb Ramp - Existing Curb & Gutter

STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

RAILROADS:

Note: Not to Scale

***S.U.E. =** *Subsurface Utility Engineering*

State Line _____

County Line _____

Township Line _____

City Line _____

Reservation Line _____

Property Line _____

Existing Iron Pin _____

Computed Property Corner _____

Property Monument _____

Parcel/Sequence Number _____

Existing Fence Line _____

Proposed Woven Wire Fence _____

Proposed Chain Link Fence _____

Proposed Barbed Wire Fence _____

Existing Wetland Boundary _____

Proposed Wetland Boundary _____

Existing Endangered Animal Boundary _____

Existing Endangered Plant Boundary _____

Existing Historic Property Boundary _____

Known Contamination Area: Soil _____

Potential Contamination Area: Soil _____

Known Contamination Area: Water _____

Potential Contamination Area: Water _____

Contaminated Site: Known or Potential _____

BOUNDARIES AND PROPERTY:

Standard Gauge _____

RR Signal Milepost _____

Switch _____

RR Abandoned _____

RR Dismantled _____

RIGHT OF WAY & PROJECT CONTROL:

Secondary Horiz and Vert Control Point _____

Primary Horiz Control Point _____

Primary Horiz and Vert Control Point _____

Exist Permanent Easment Pin and Cap _____

New Permanent Easement Pin and Cap _____

Vertical Benchmark _____

Existing Right of Way Marker _____

Existing Right of Way Line _____

New Right of Way Line _____

New Right of Way Line with Pin and Cap _____

New Right of Way Line with Concrete or Granite RW Marker _____

New Control of Access Line with Concrete C/A Marker _____

Existing Control of Access _____

New Control of Access _____

Existing Easement Line _____

New Temporary Construction Easement _____

New Temporary Drainage Easement _____

New Permanent Drainage Easement _____

New Permanent Drainage / Utility Easement _____

New Permanent Utility Easement _____

New Temporary Utility Easement _____

New Aerial Utility Easement _____

BUILDINGS AND OTHER CULTURE:

Gas Pump _____

Vent or U/G Tank Cap _____

Sign _____

Well _____

Small Mine _____

Foundation _____

Area Outline _____

Cemetery _____

Building _____

School _____

Church _____

Dam _____

HYDROLOGY:

Stream or Body of Water _____

Hydro, Pool or Reservoir _____

Jurisdictional Stream _____

Buffer Zone 1 _____

Buffer Zone 2 _____

Flow Arrow _____

Disappearing Stream _____

Spring _____

Wetland _____

Proposed Lateral, Tail, Head Ditch _____

False Sump _____

Hedge _____

Woods Line _____

Orchard _____

Vineyard _____

EXISTING STRUCTURES:

MAJOR:

Bridge, Tunnel or Box Culvert _____

Bridge Wing Wall, Head Wall and End Wall _____

MINOR:

Head and End Wall _____

Pipe Culvert _____

Footbridge _____

Drainage Box: Catch Basin, DI or JB _____

Paved Ditch Gutter _____

Storm Sewer Manhole _____

Storm Sewer _____

UTILITIES:

POWER:

Existing Power Pole _____

Proposed Power Pole _____

Existing Joint Use Pole _____

Proposed Joint Use Pole _____

Power Manhole _____

Power Line Tower _____

Power Transformer _____

U/G Power Cable Hand Hole _____

H-Frame Pole _____

U/G Power Line LOS B (S.U.E.*) _____

U/G Power Line LOS C (S.U.E.*) _____

U/G Power Line LOS D (S.U.E.*) _____

TELEPHONE:

Existing Telephone Pole _____

Proposed Telephone Pole _____

Telephone Manhole _____

Telephone Pedestal _____

Telephone Cell Tower _____

U/G Telephone Cable Hand Hole _____

U/G Telephone Cable LOS B (S.U.E.*) _____

U/G Telephone Cable LOS C (S.U.E.*) _____

U/G Telephone Cable LOS D (S.U.E.*) _____

U/G Telephone Conduit LOS B (S.U.E.*) _____

U/G Telephone Conduit LOS C (S.U.E.*) _____

U/G Telephone Conduit LOS D (S.U.E.*) _____

U/G Telephone Conduit LOS B (S.U.E.*) _____

U/G Telephone Conduit LOS C (S.U.E.*) _____

U/G Telephone Conduit LOS D (S.U.E.*) _____

U/G Fiber Optics Cable LOS B (S.U.E.*) _____

U/G Fiber Optics Cable LOS C (S.U.E.*) _____

U/G Fiber Optics Cable LOS D (S.U.E.*) _____

ROADS AND RELATED FEATURES:

Existing Edge of Pavement _____

Existing Curb _____

Proposed Slope Stakes Cut _____

Proposed Slope Stakes Fill _____

Proposed Curb Ramp _____

Existing Metal Guardrail _____

Proposed Guardrail _____

Existing Cable Guiderail _____

Proposed Cable Guiderail _____

Equality Symbol _____

Pavement Removal _____

VEGETATION:

Single Tree _____

Single Shrub _____

WATER:

Water Manhole _____

Water Meter _____

Water Valve _____

Water Hydrant _____

UG Water Line LOS B (S.U.E.*) _____

UG Water Line LOS C (S.U.E.*) _____

UG Water Line LOS D (S.U.E.*) _____

Above Ground Water Line _____

TV:

TV Pedestal _____

TV Tower _____

UG TV Cable Hand Hole _____

UG TV Cable LOS B (S.U.E.*) _____

UG TV Cable LOS C (S.U.E.*) _____

UG TV Cable LOS D (S.U.E.*) _____

UG Fiber Optic Cable LOS B (S.U.E.*) _____

UG Fiber Optic Cable LOS C (S.U.E.*) _____

UG Fiber Optic Cable LOS D (S.U.E.*) _____

SANITARY SEWER:

Sanitary Sewer Manhole _____

Sanitary Sewer Cleanout _____

UG Sanitary Sewer Line _____

Above Ground Sanitary Sewer _____

SS Forced Main Line LOS B (S.U.E.*) _____

SS Forced Main Line LOS C (S.U.E.*) _____

SS Forced Main Line LOS D (S.U.E.*) _____

MISCELLANEOUS:

Utility Pole _____

Utility Pole with Base _____

Utility Located Object _____

Utility Traffic Signal Box _____

Utility Unknown U/G Line LOS B (S.U.E.*) _____

UG Tank; Water, Gas, Oil _____

Underground Storage Tank, Approx. Loc. _____

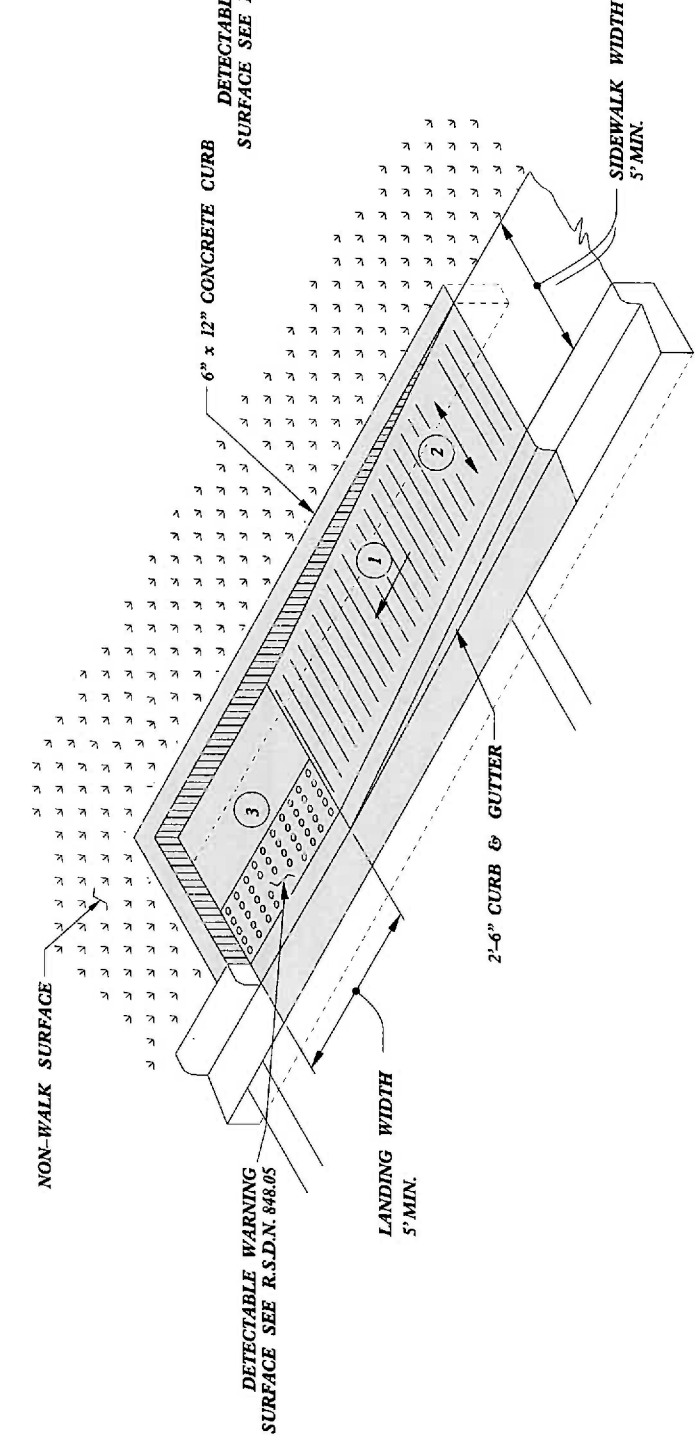
AG Tank; Water, Gas, Oil _____

Geoenvironmental Boring _____

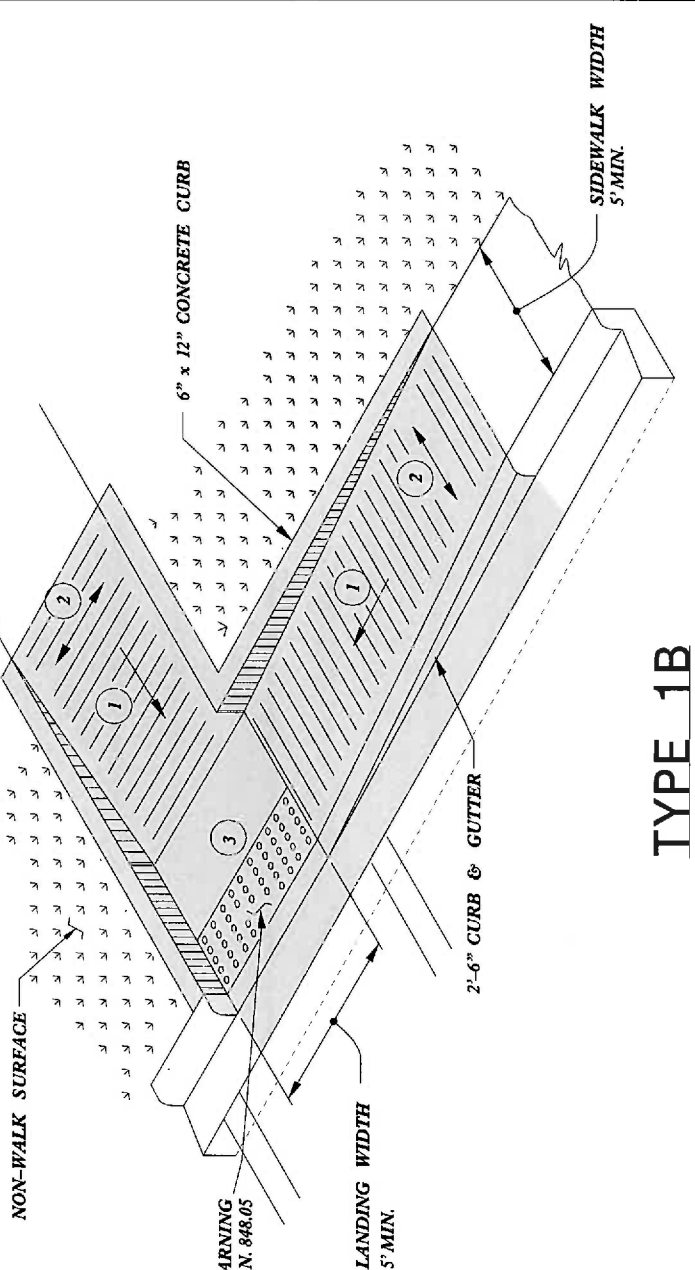
UG Test Hole LOS A (S.U.E.*) _____

Abandoned According to Utility Records _____

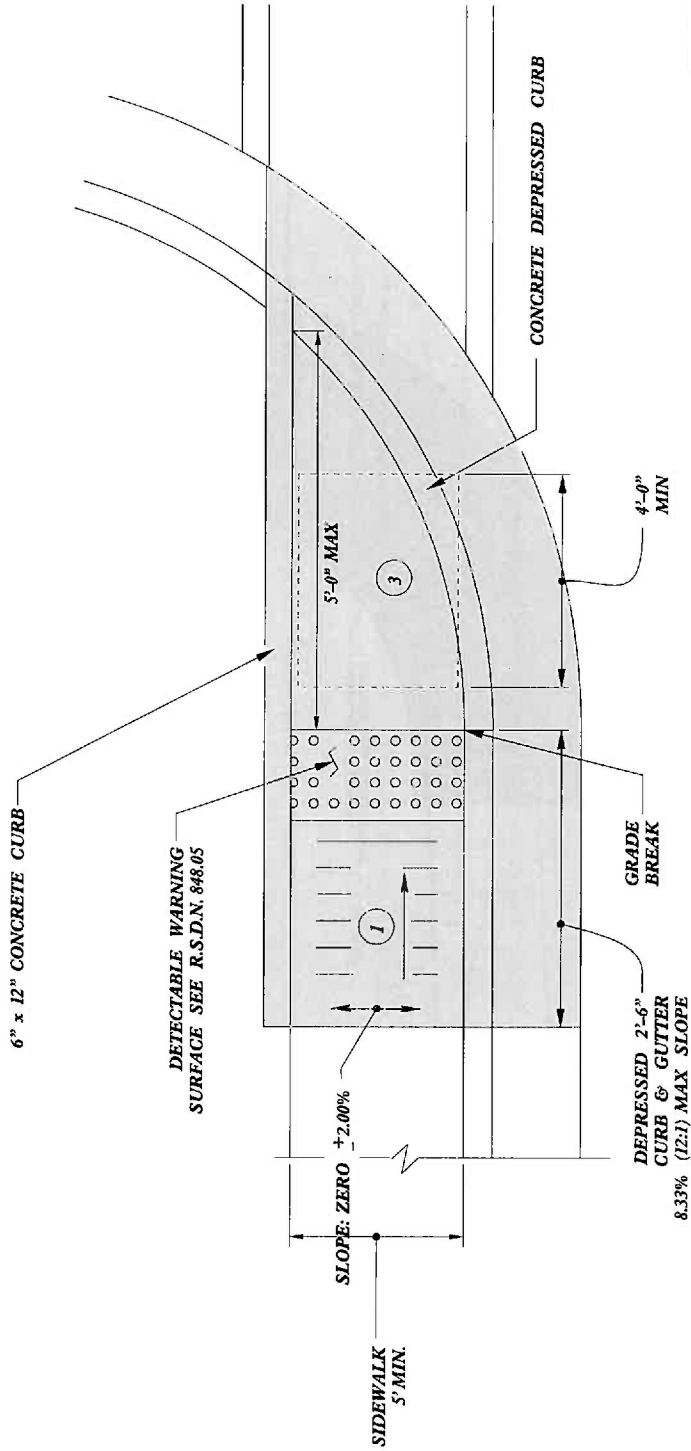
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TYPE 1A



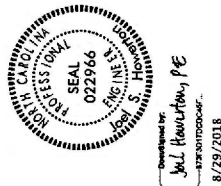
TYPE 1B



TYPE 1

PAY LIMITS FOR 1 CURB RAMP

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

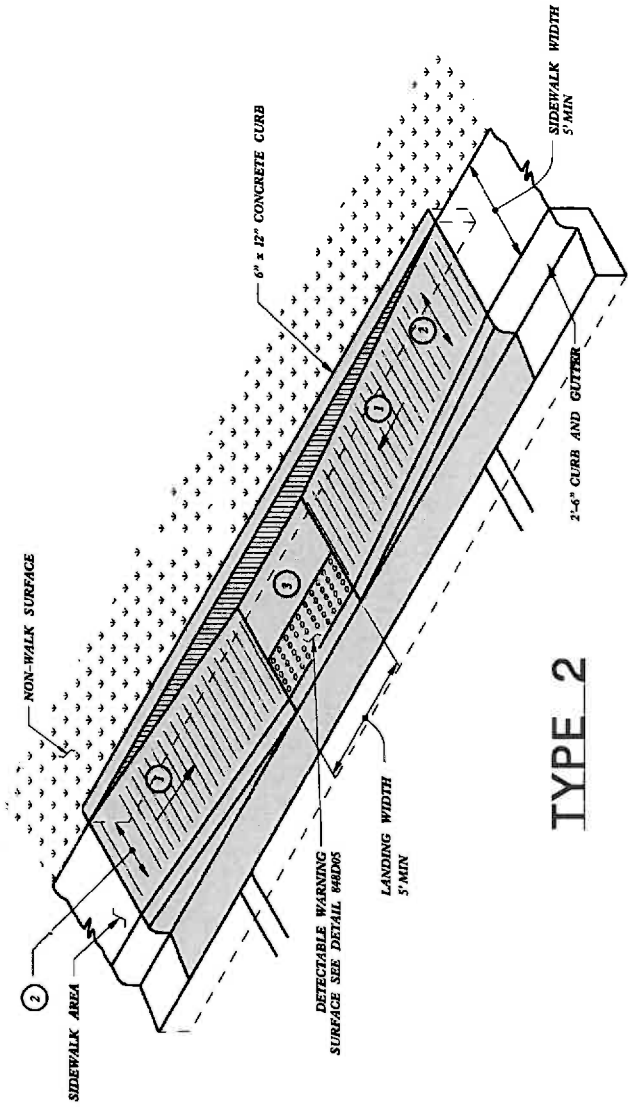


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CONTRACT STANDARDS
AND DEVELOPMENT UNIT
Office 819-707-6950 FAX 919-250-4119

CURB RAMPS
Directional Ramps

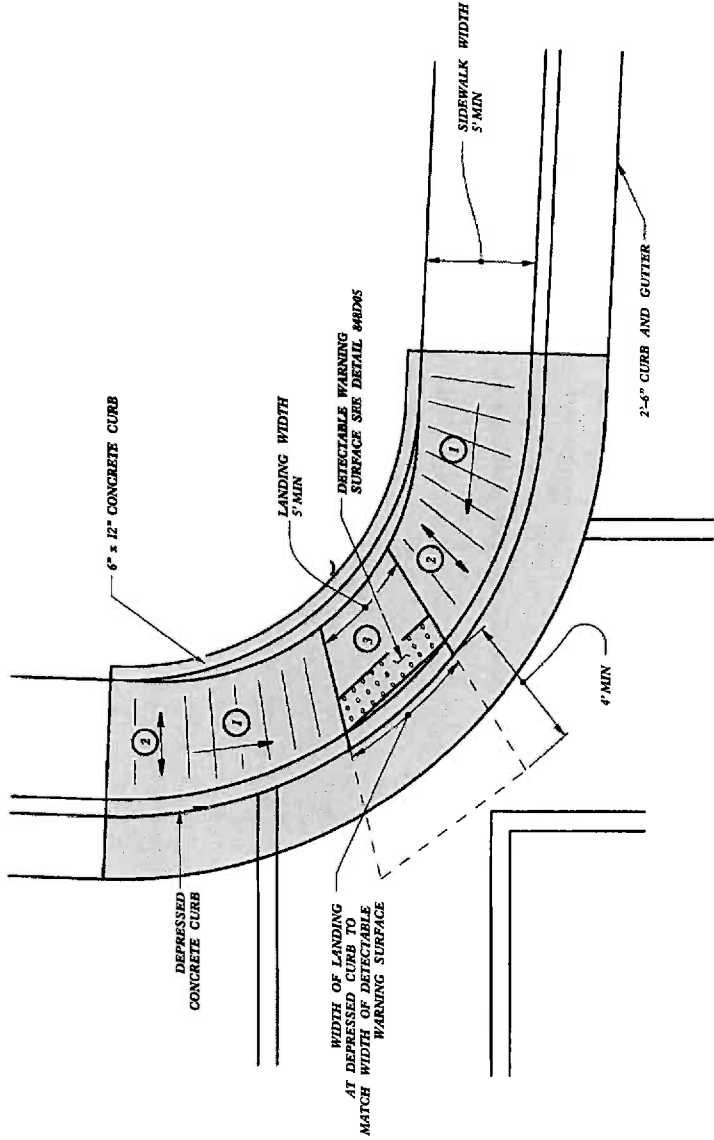
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MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC: sds/2012CurbRamp/CurbRampDetails.dgn



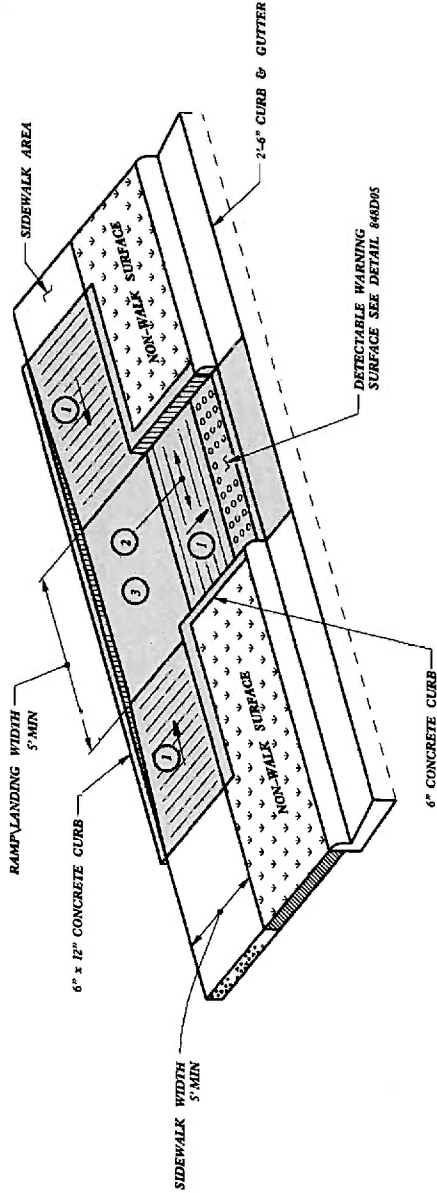
TYPE 2

PAY LIMITS FOR CURB RAMP

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



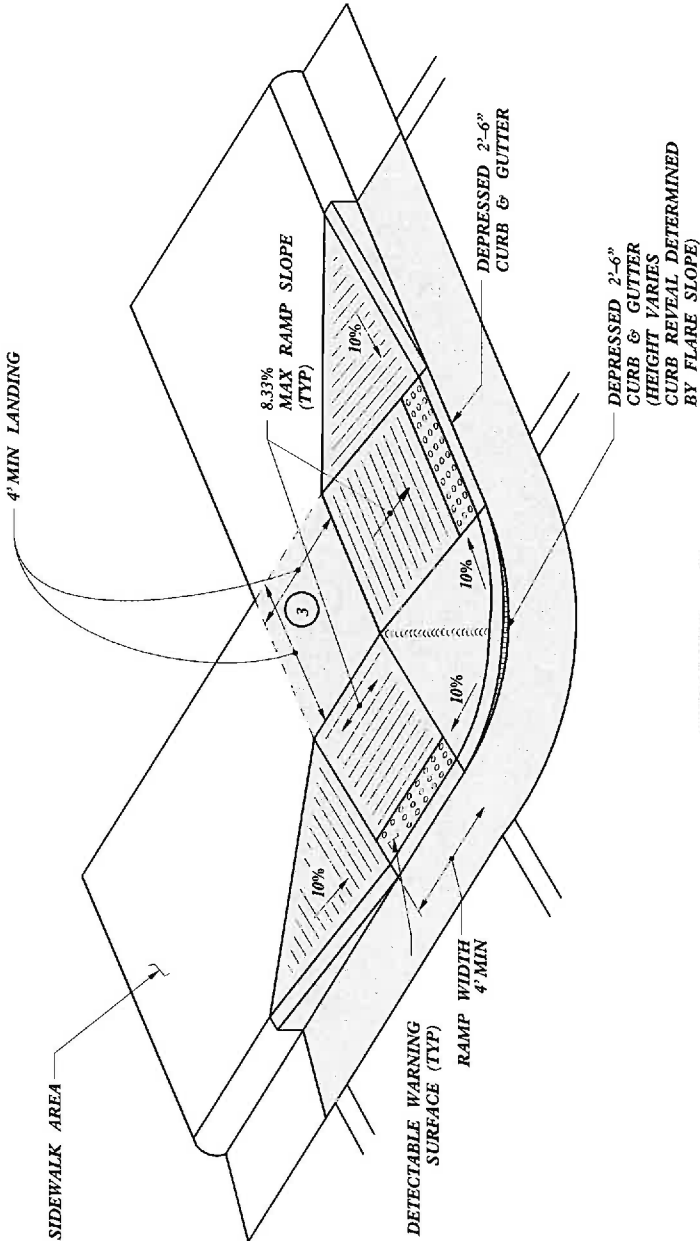
TYPE 2A



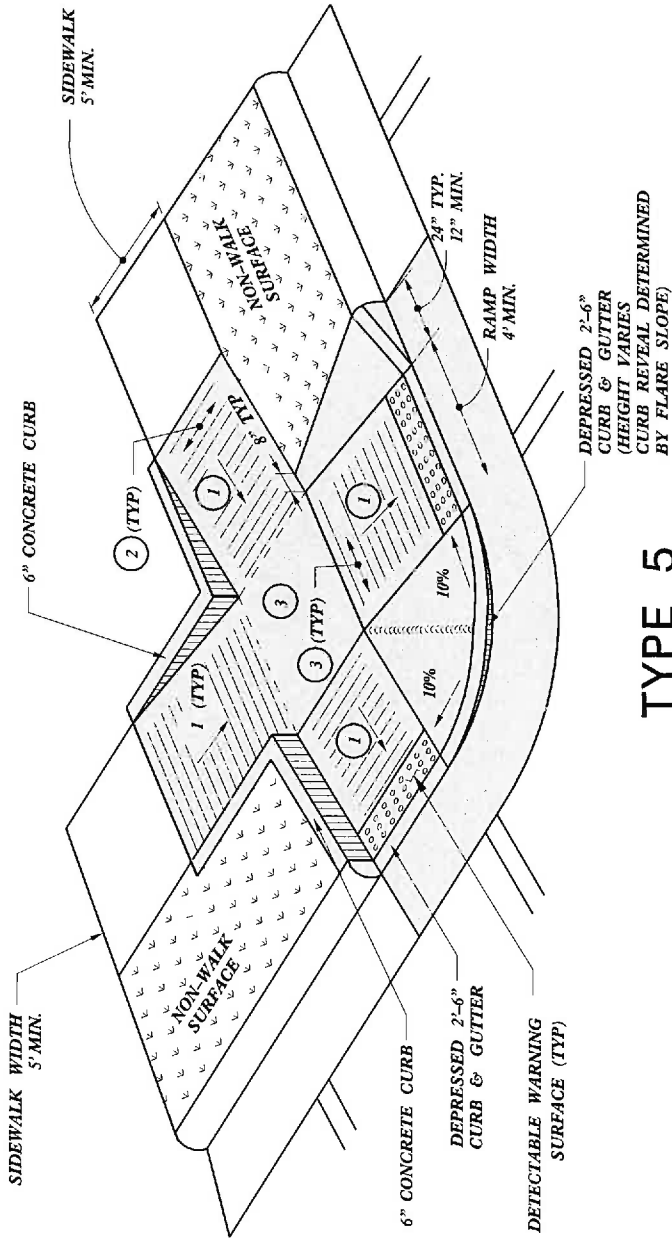
TYPE 2B

CONTRACT STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4119	CURB RAMPS	
	Parallel Ramps	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11	
MODIFIED BY:	DATE:	
CHECKED BY:	DATE:	
FILE SPEC: STG18/2012CurbRamp/CurbRampDetails.dgn		

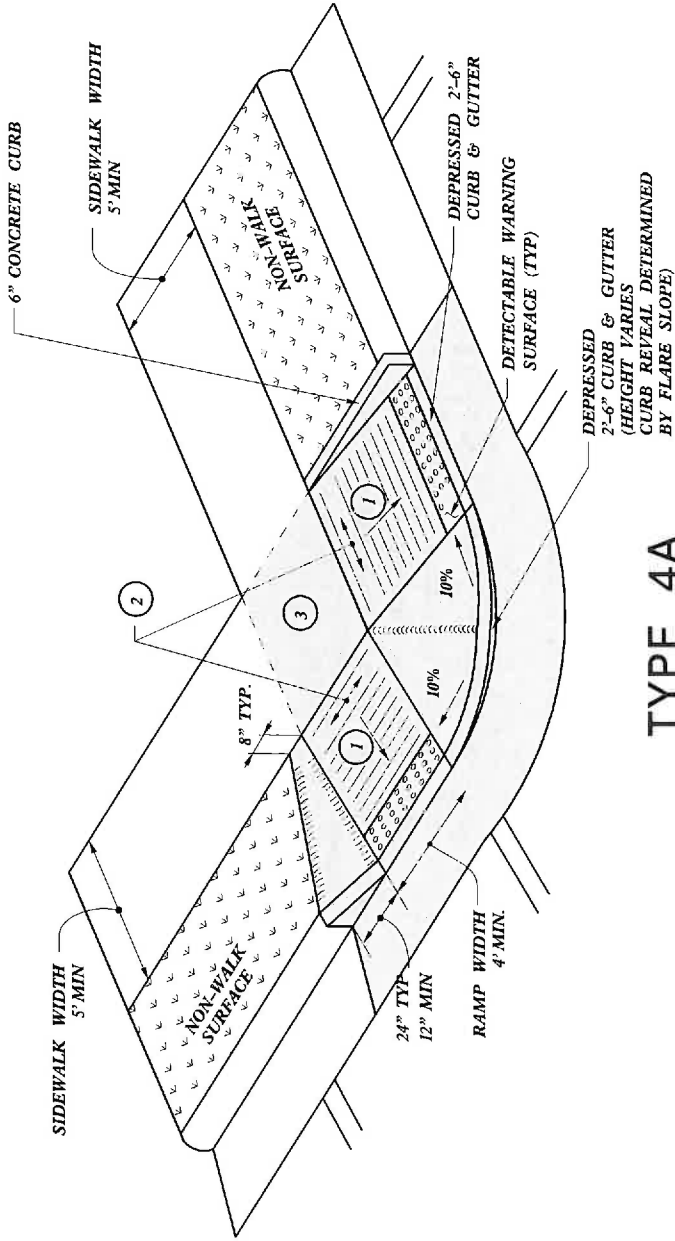
PAY LIMITS FOR CURB RAMP



TYPE 4



TYPE 5



TYPE 4A

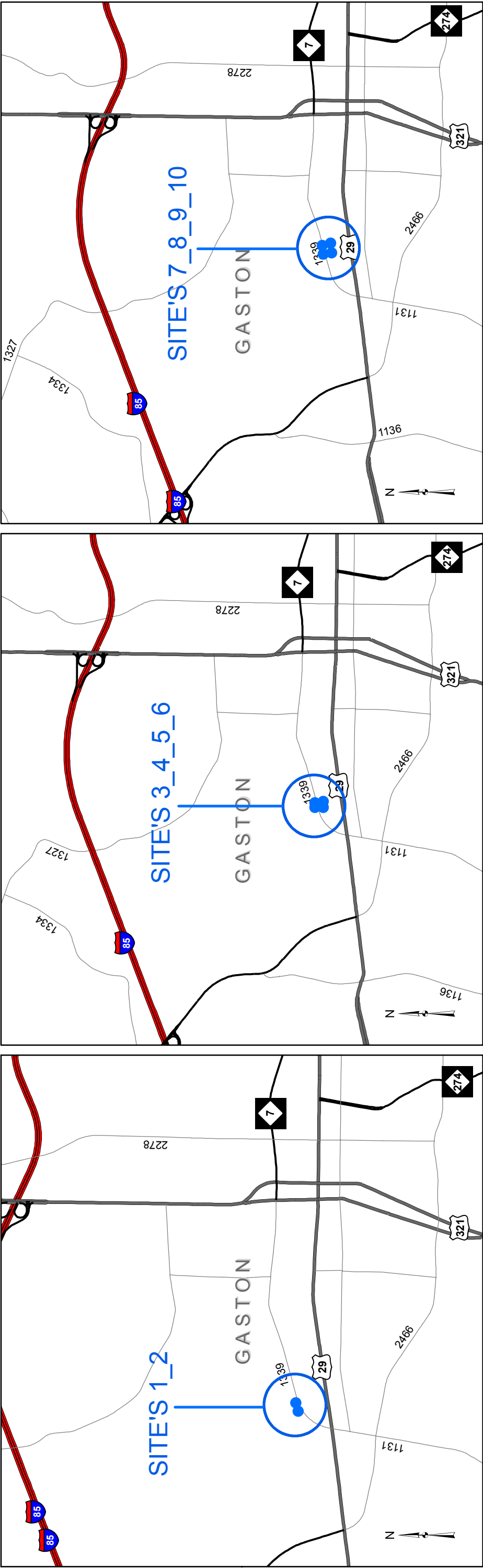
- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMP REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

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

CURB RAMPS
Shared Landing

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC: 2012aCurbRampDetails.dwg

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES



SR 1339 (GASTON AVE.) @ BOYD STREET

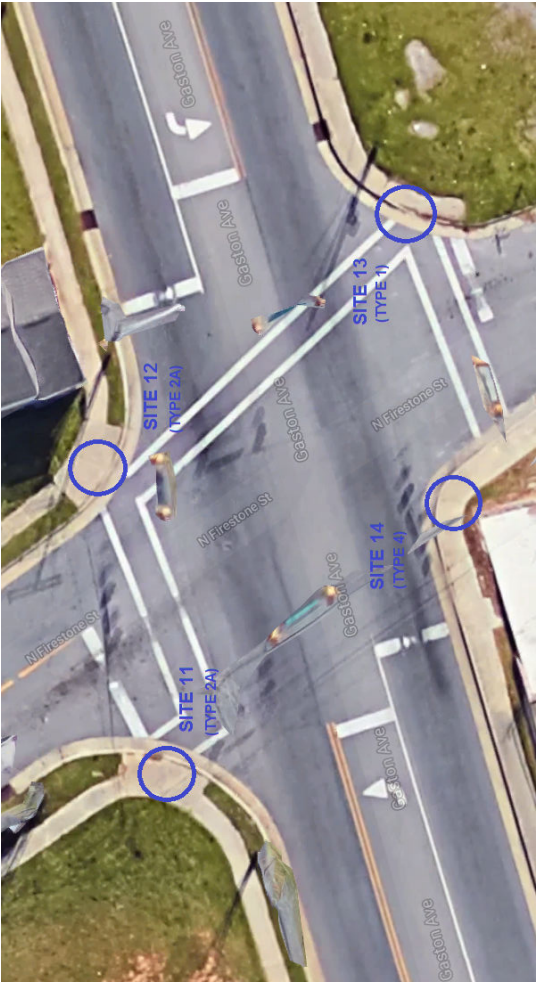
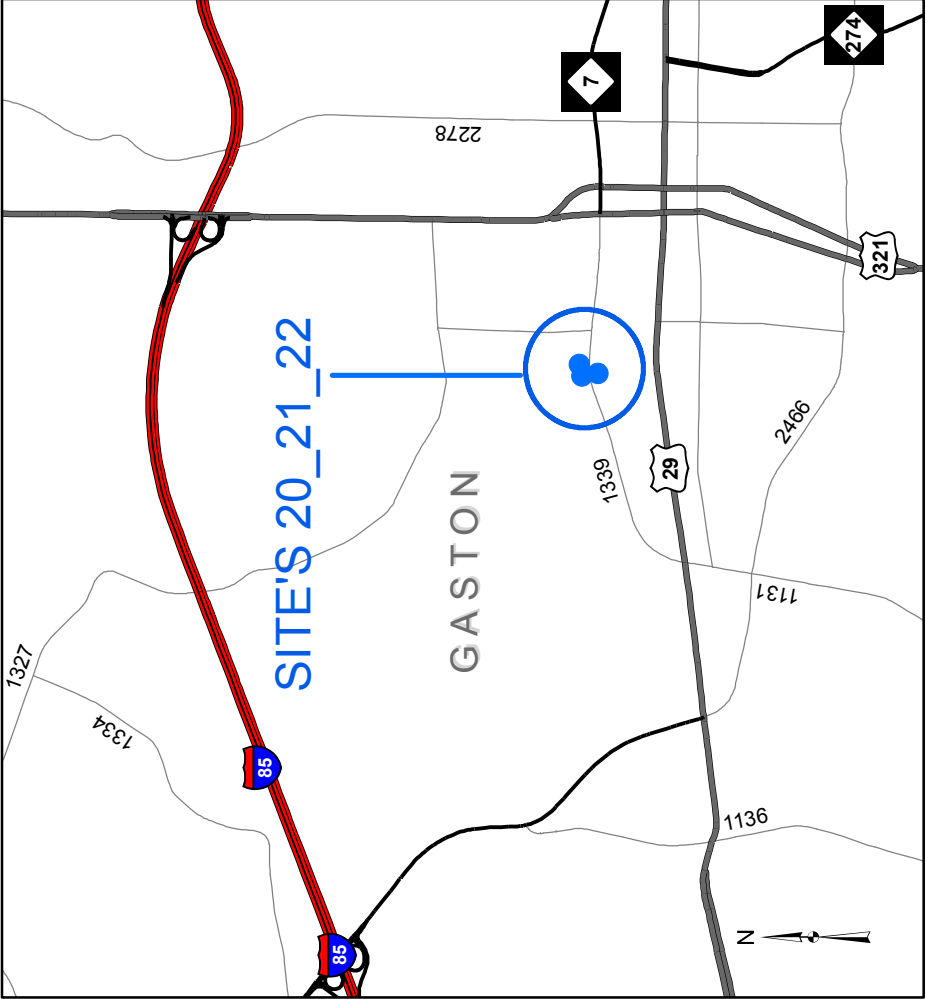
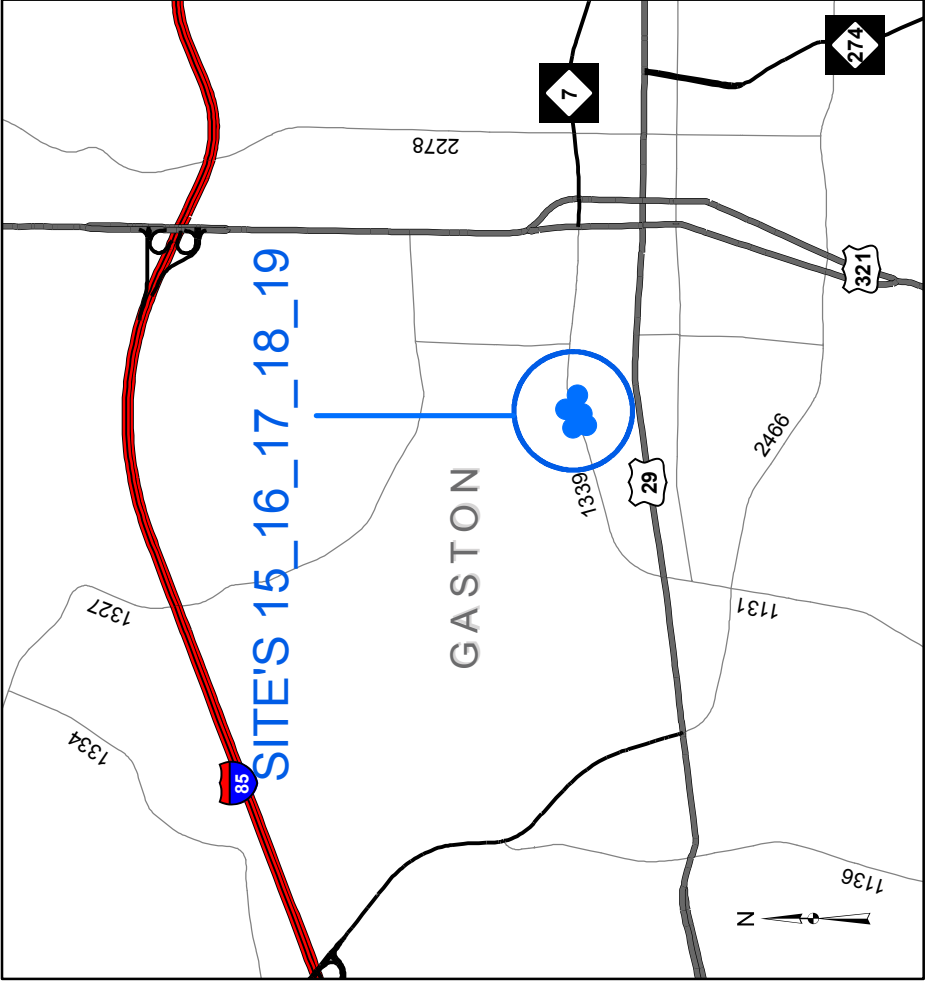
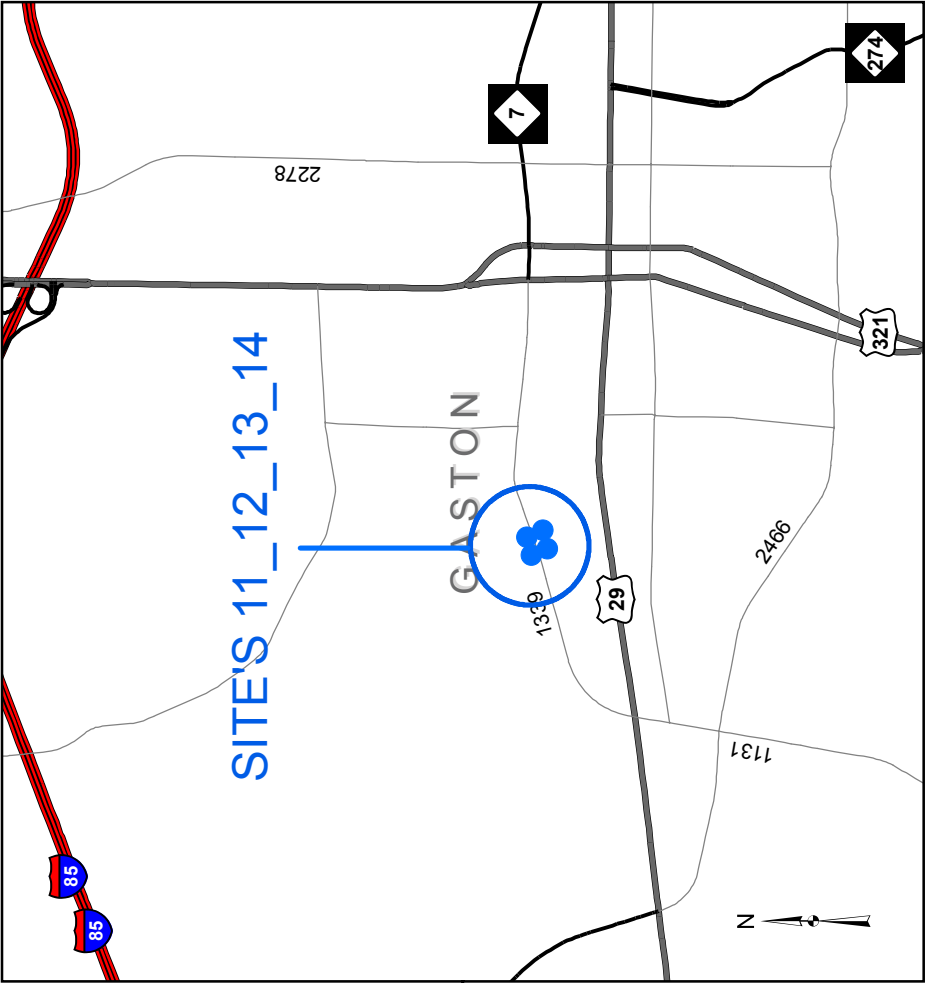


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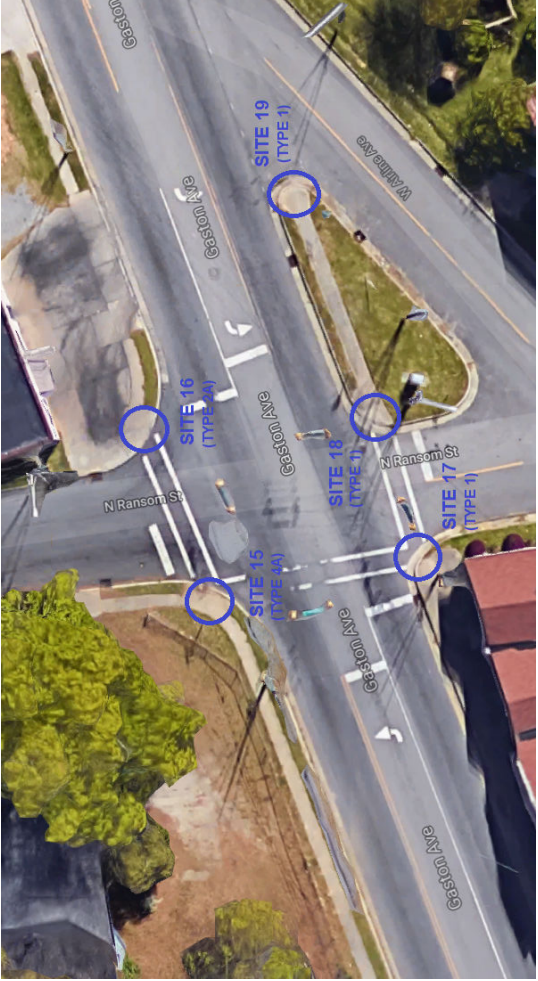


SR 1339 (GASTON AVE.) @ VANCE STREET





SR 1339 (GASTON AVE.) @ FIRESTONE STREET

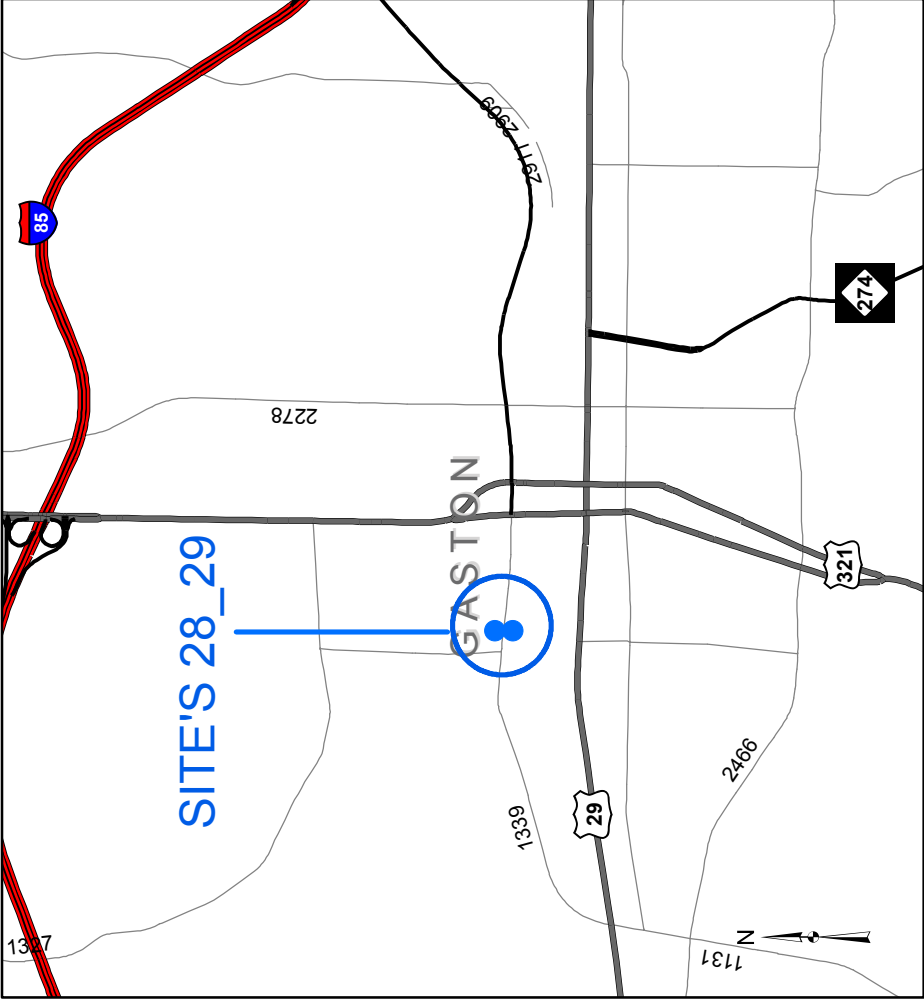
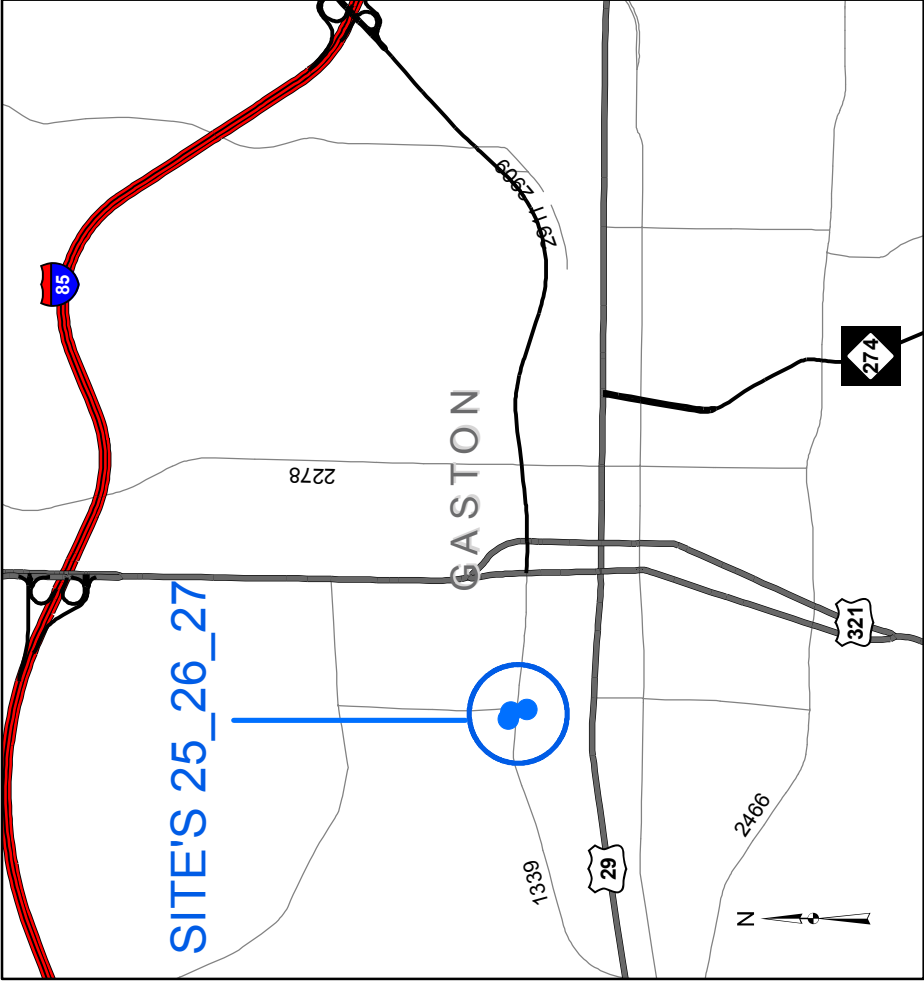
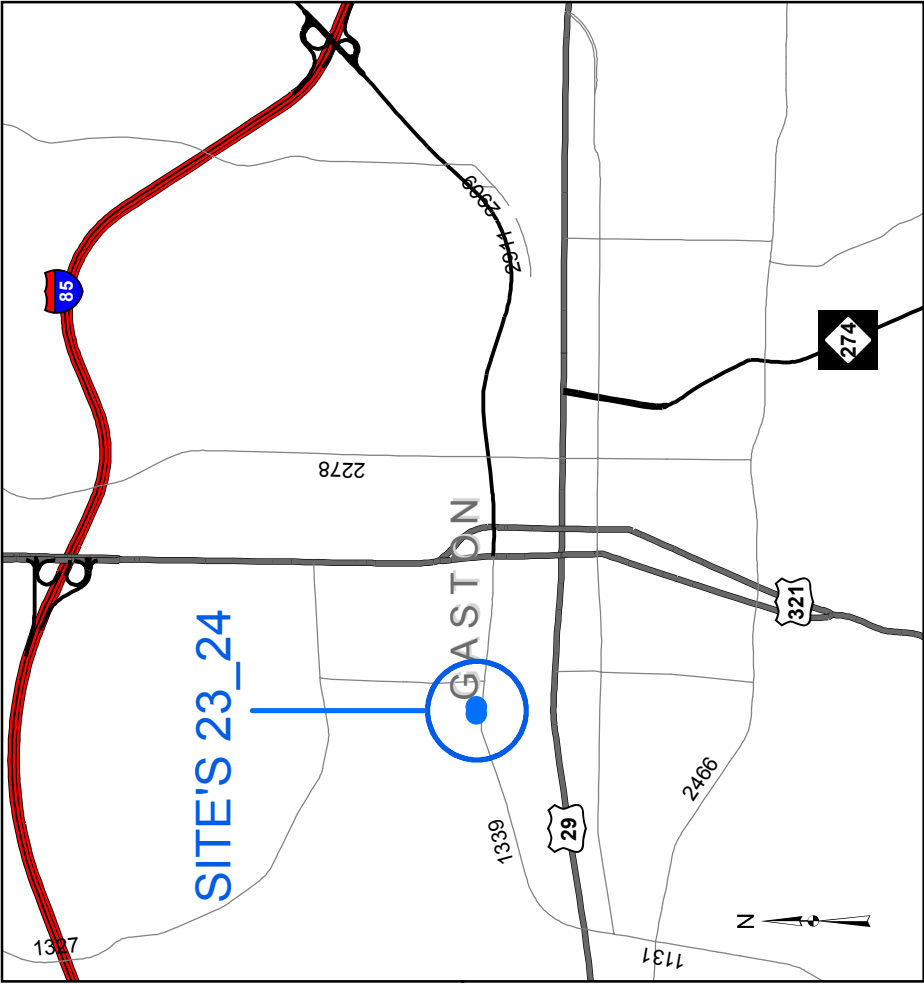


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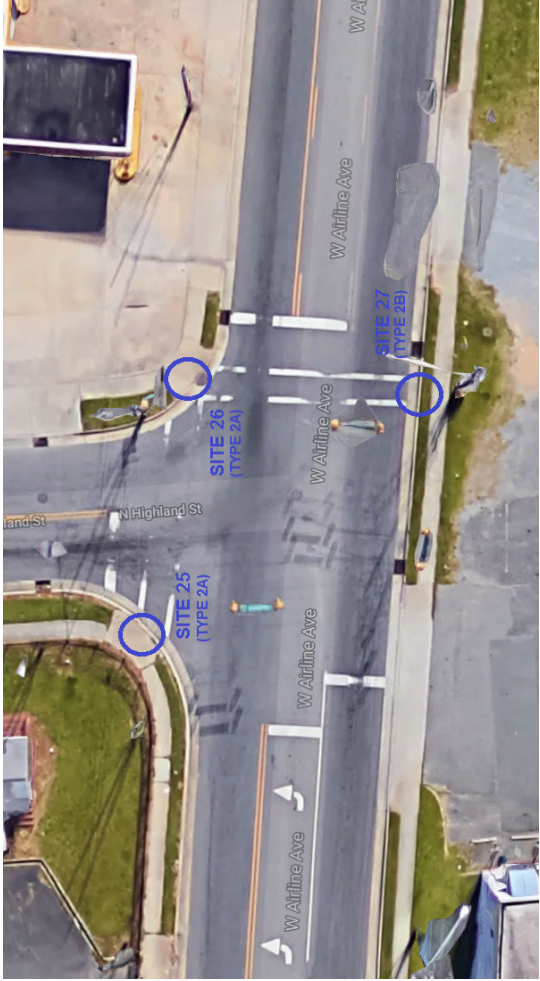


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SR 1339 (W. AIRLINE AVE.) @ N. KINGS STREET

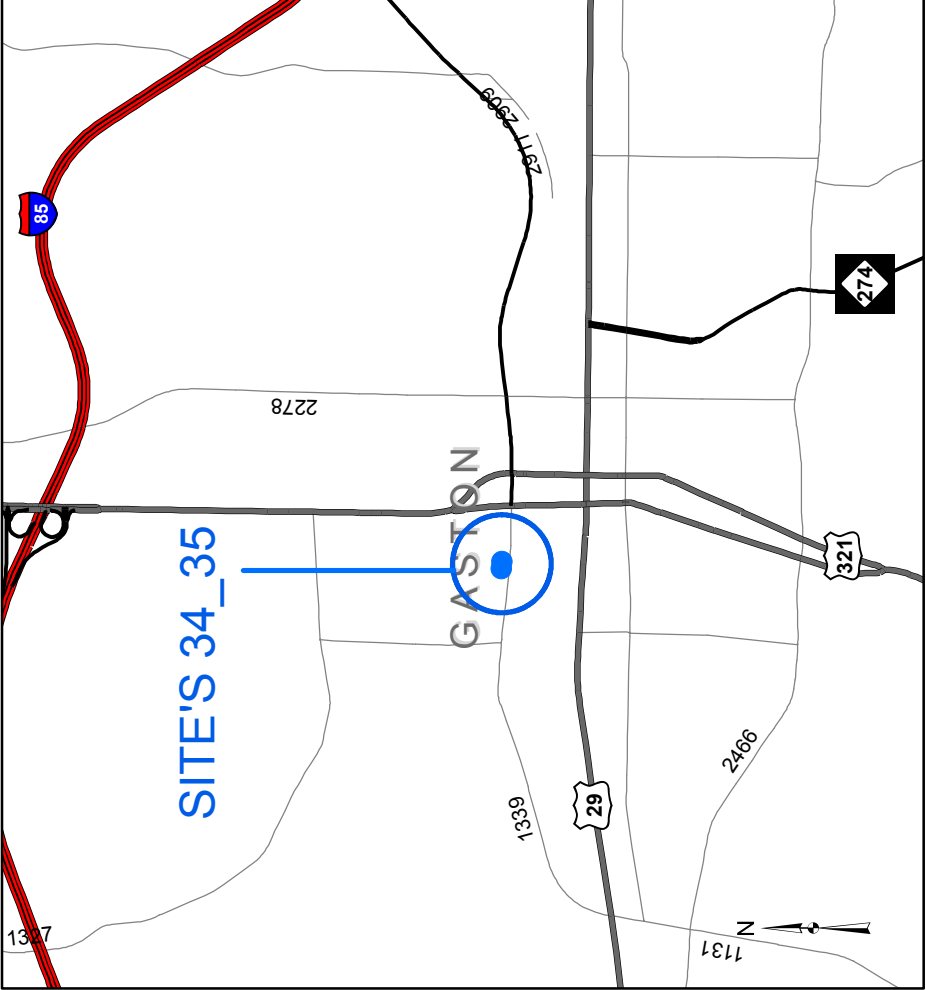
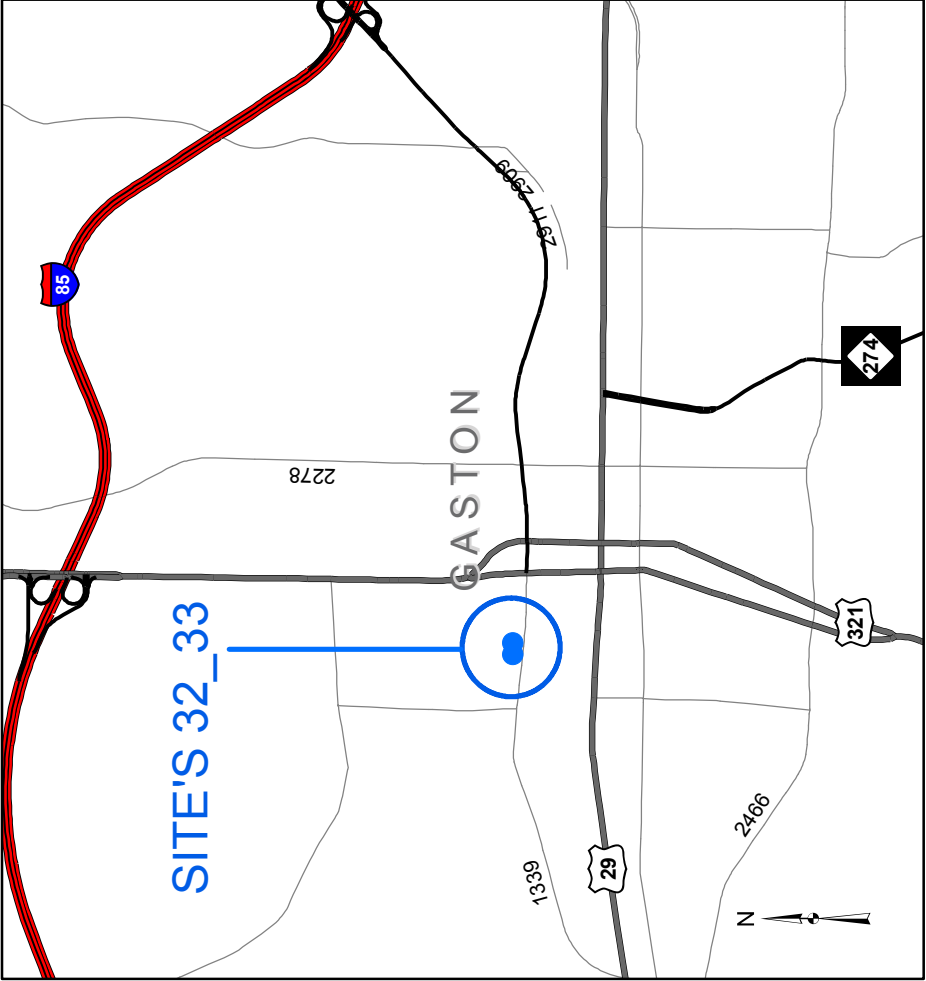
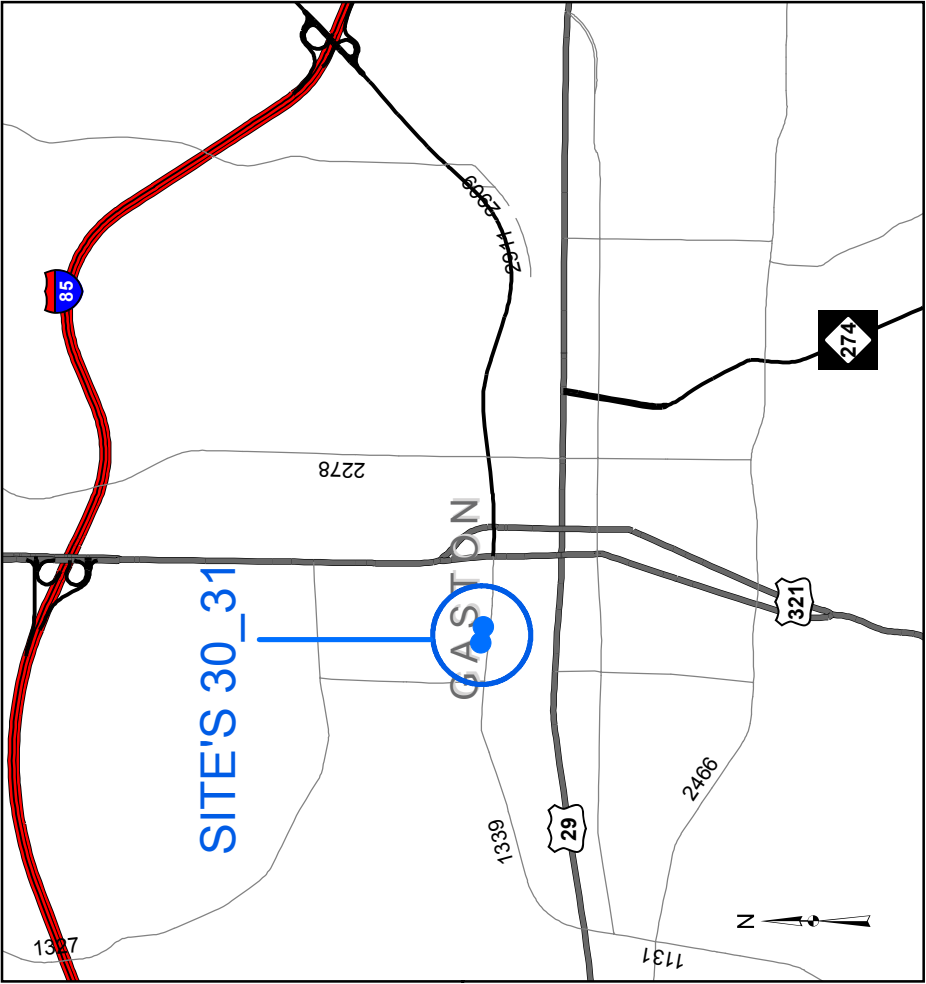


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SR 1339 (W. AIRLINE AVE.) @ N. TRENTON STREET

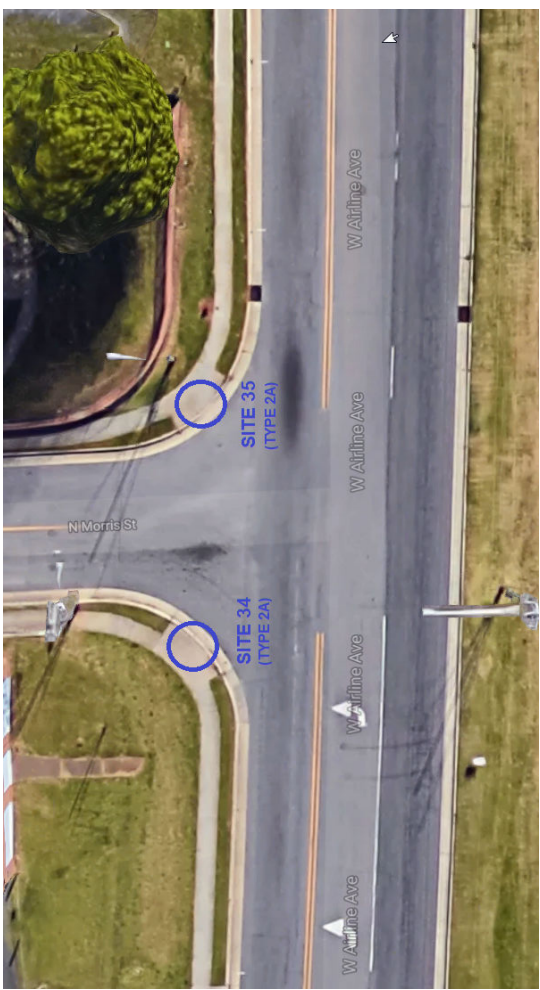




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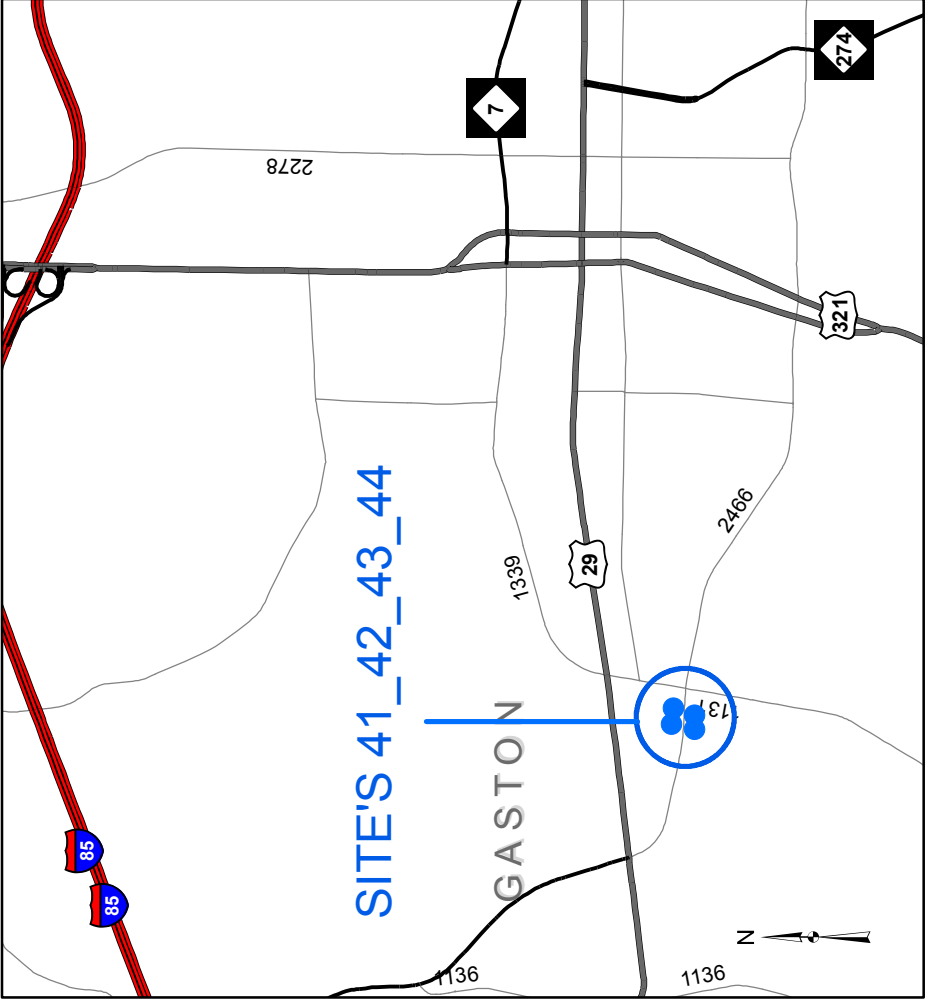
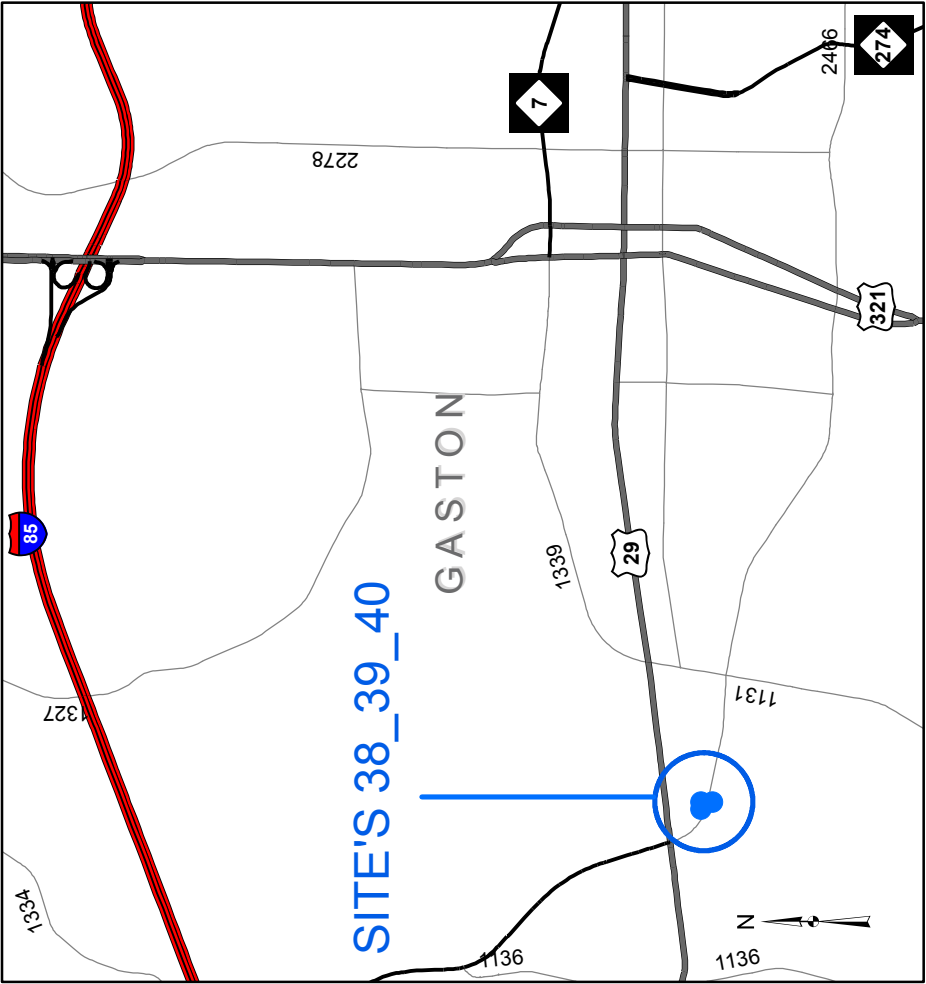
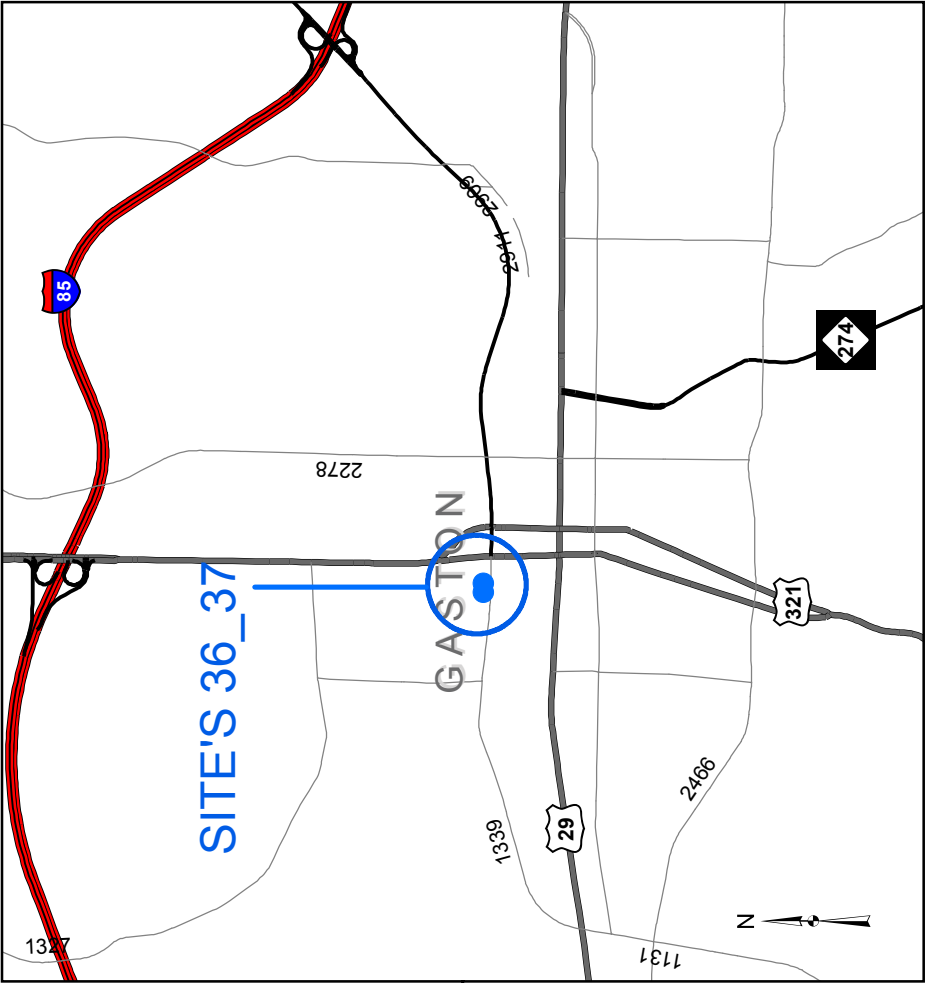


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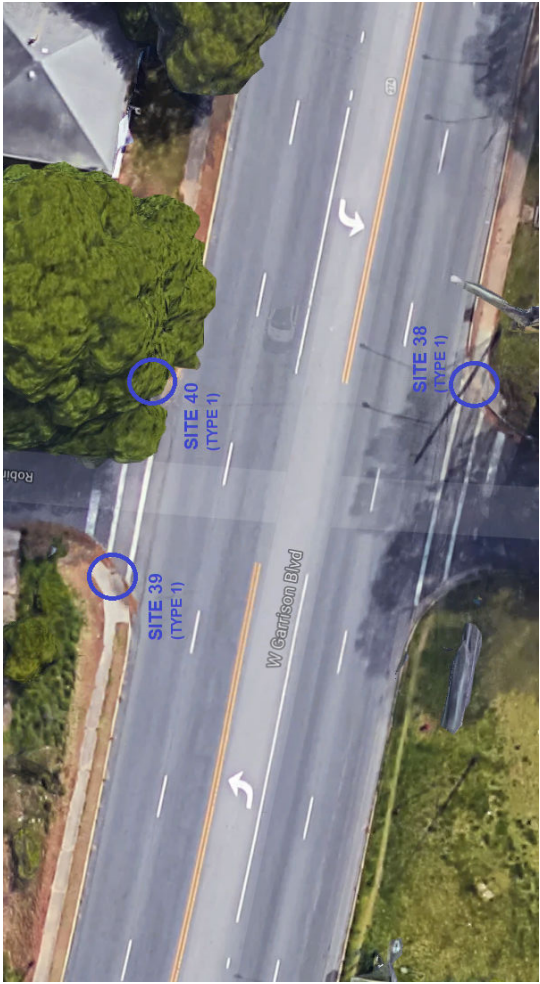


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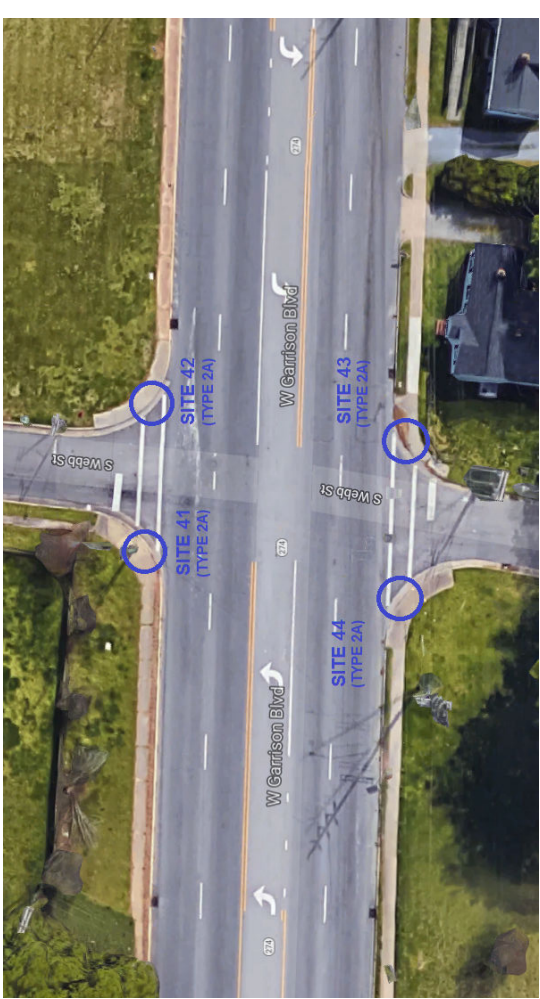




SR 1339 (W. AIRLINE AVE.) @ N. BOYCE STREET

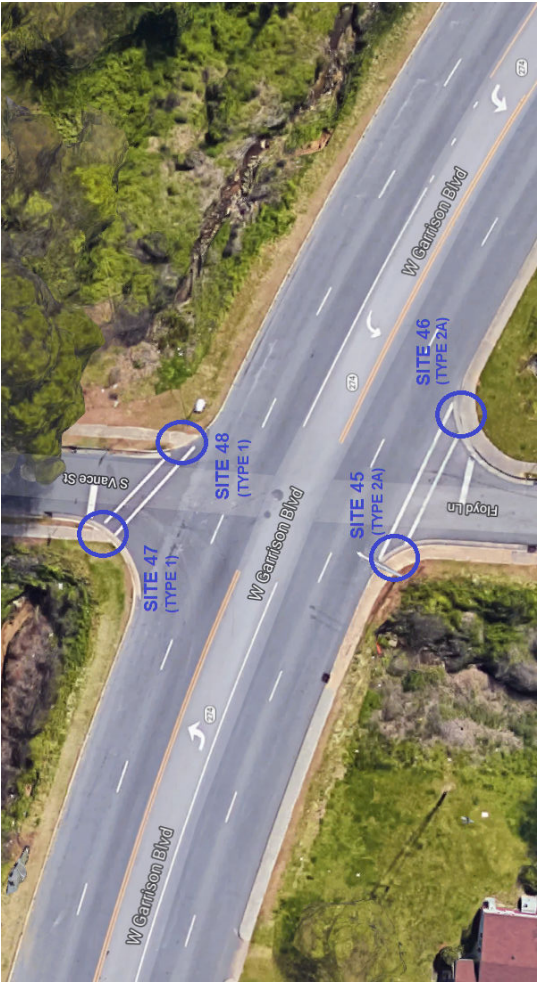
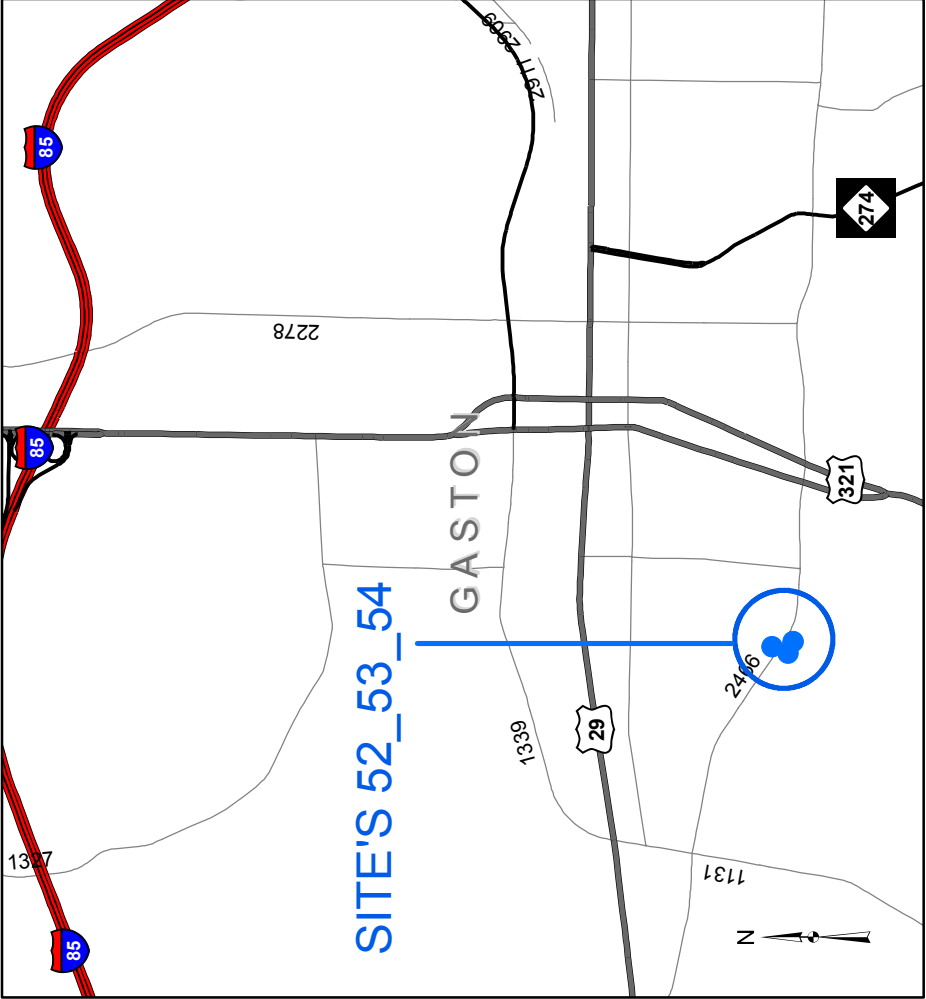
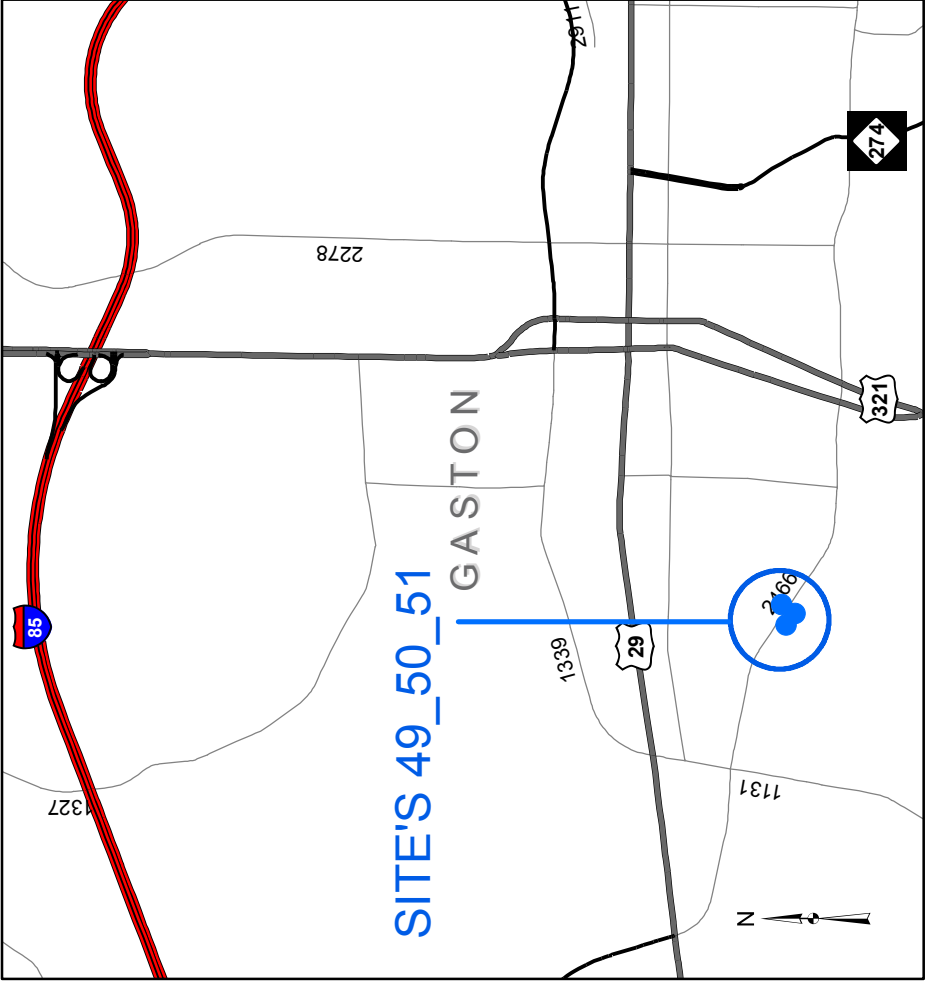
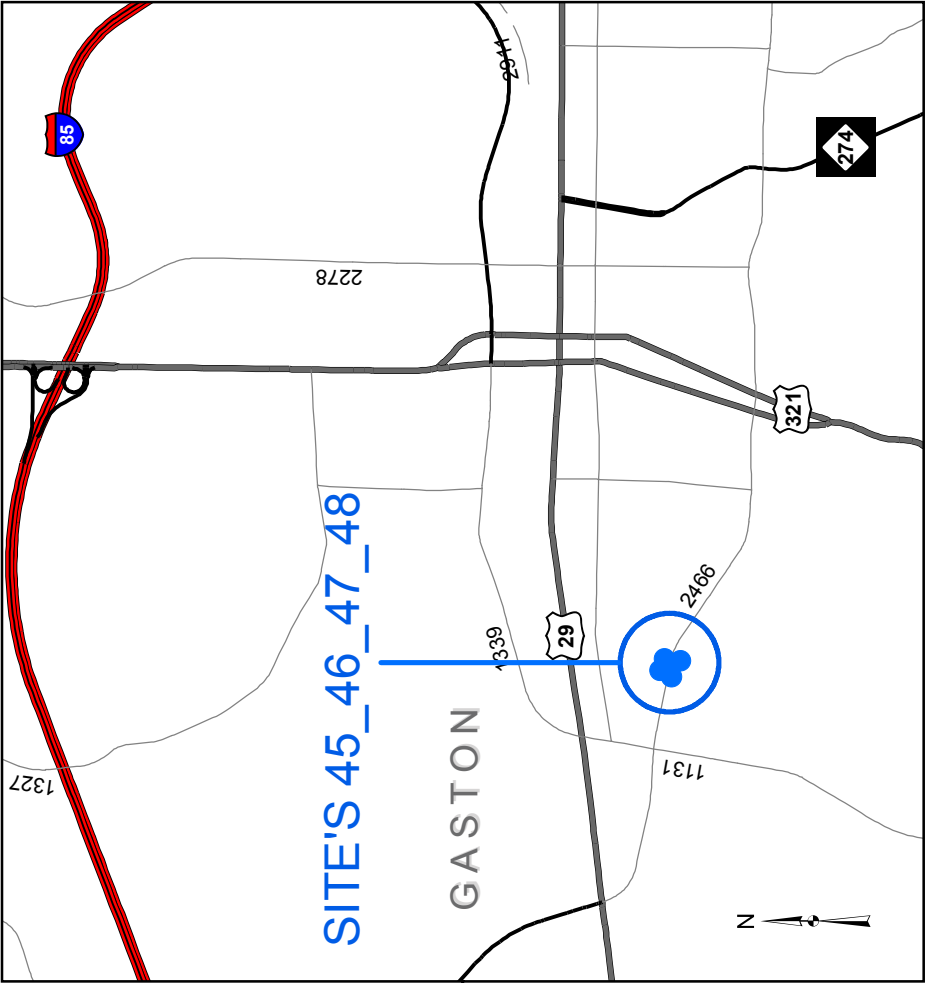


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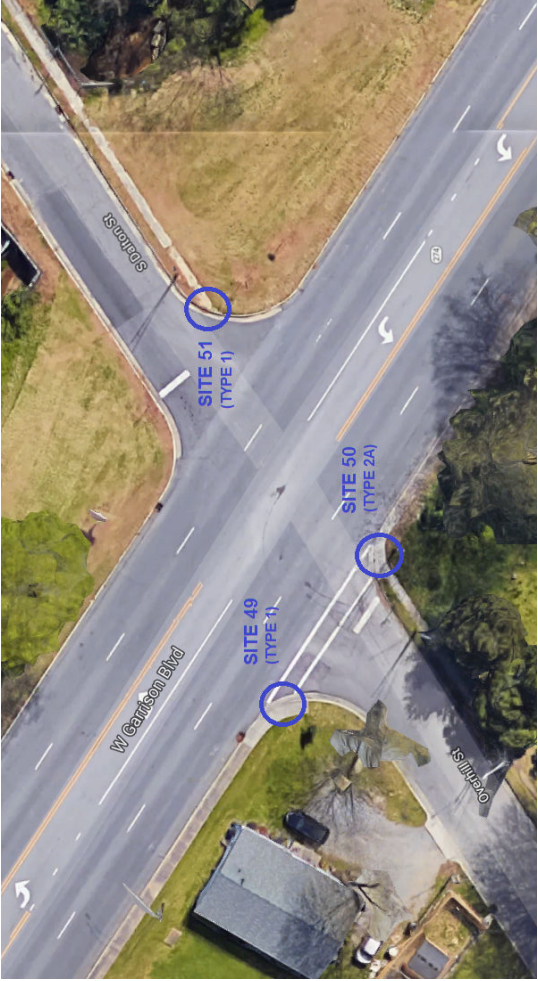


SR 2466 (GARRISON BLVD.) @ S. WEBB STREET





SR 2466 (GARRISON BLVD.) @ FLOYD LANE & S. VANCE STREET

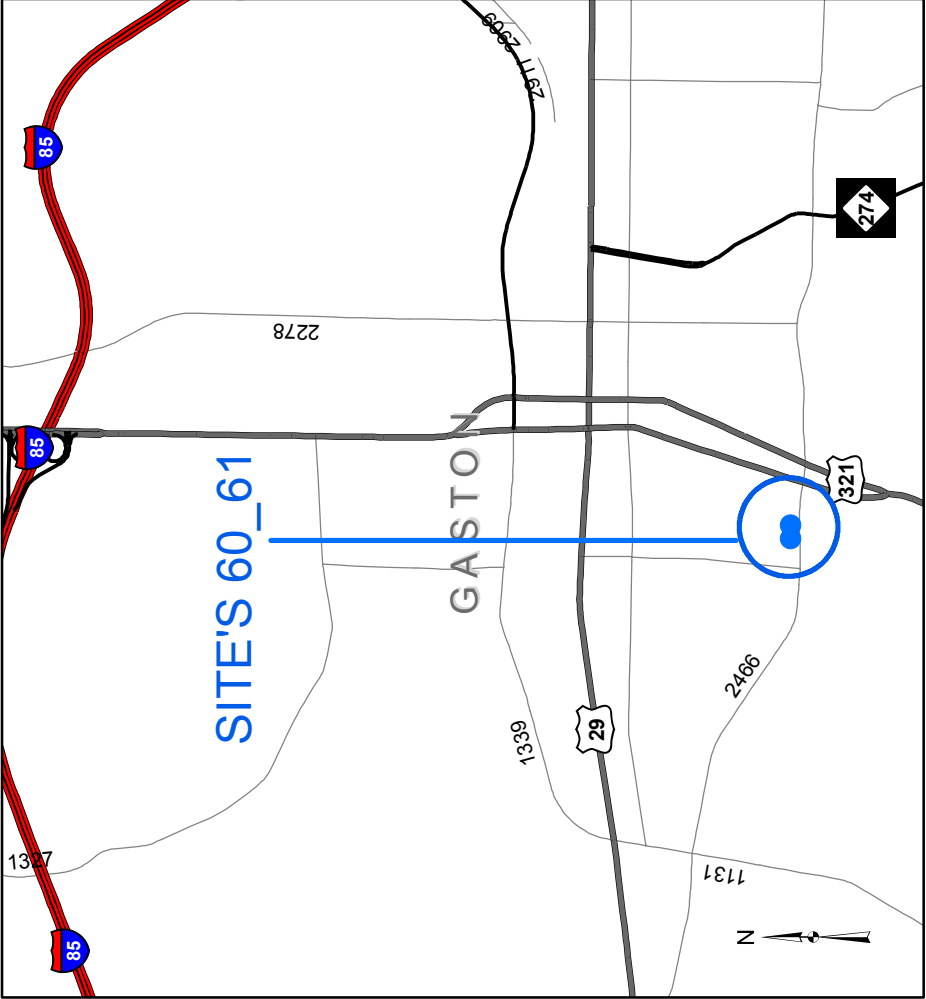
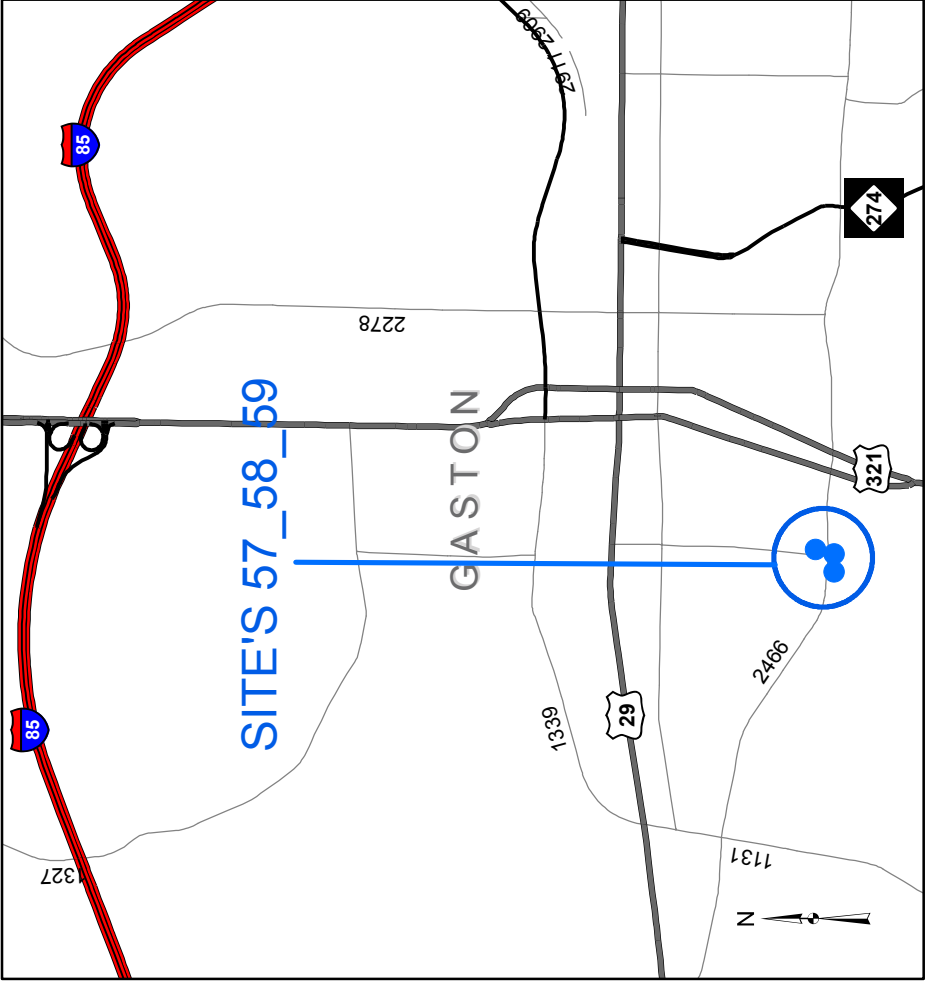
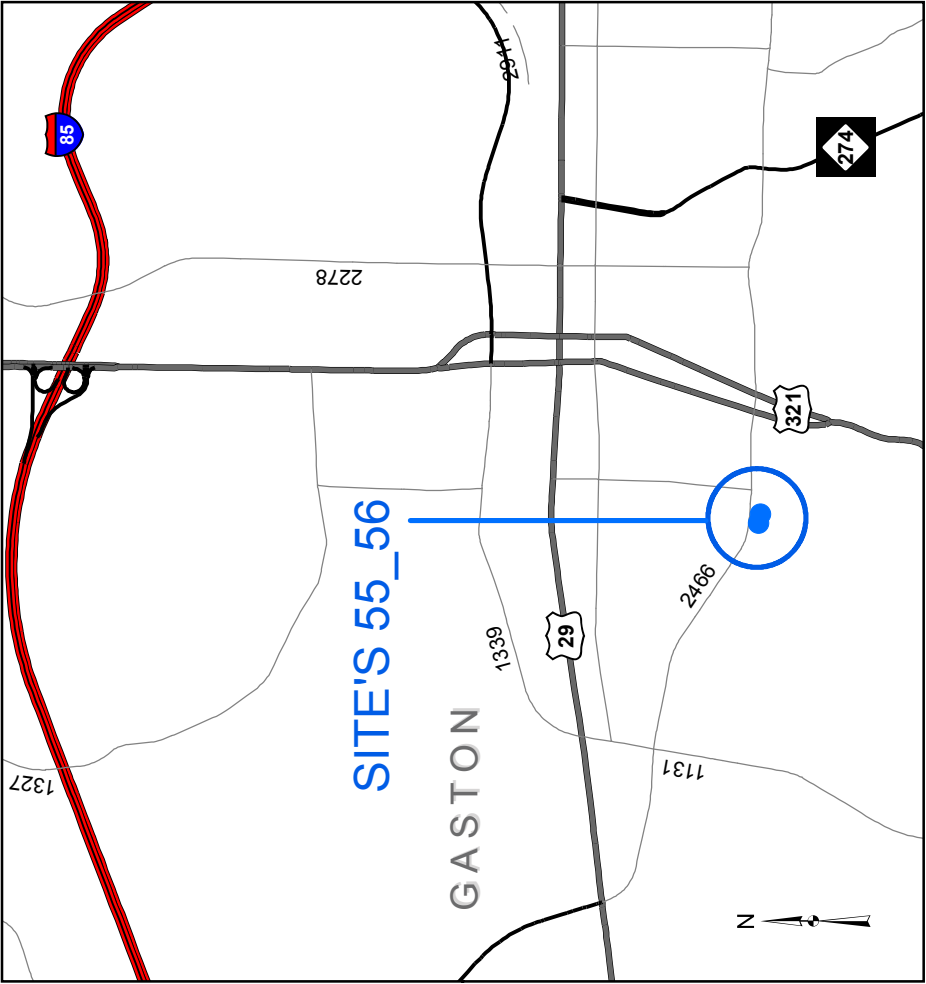


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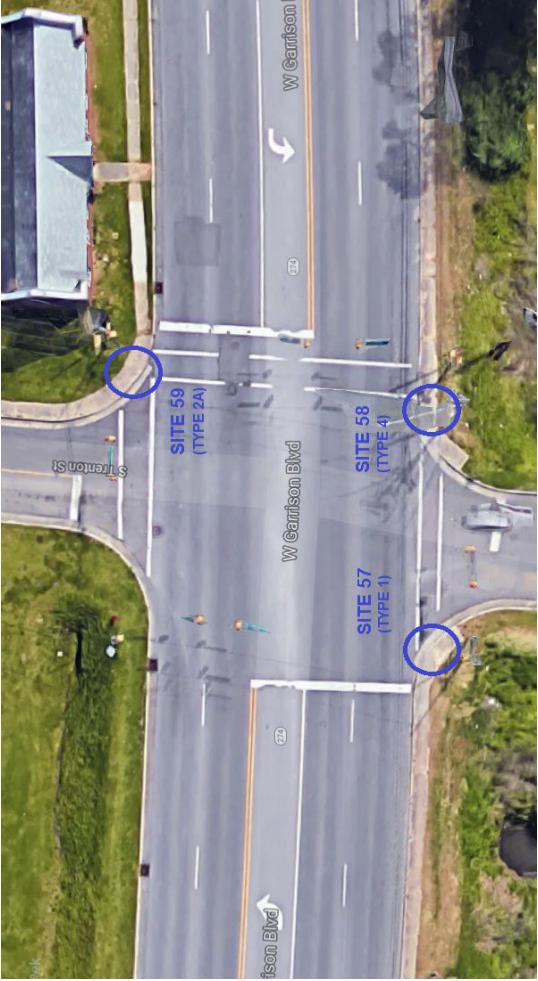


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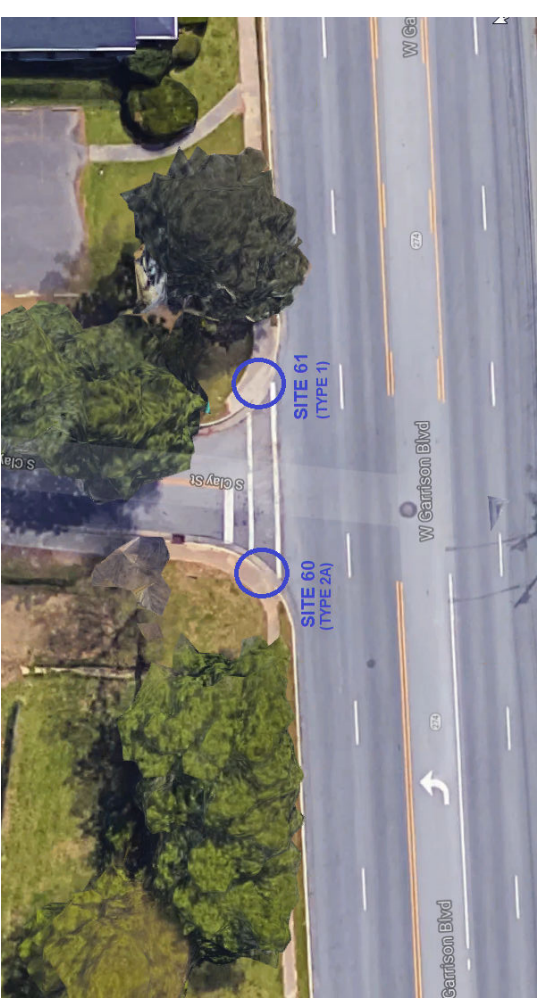




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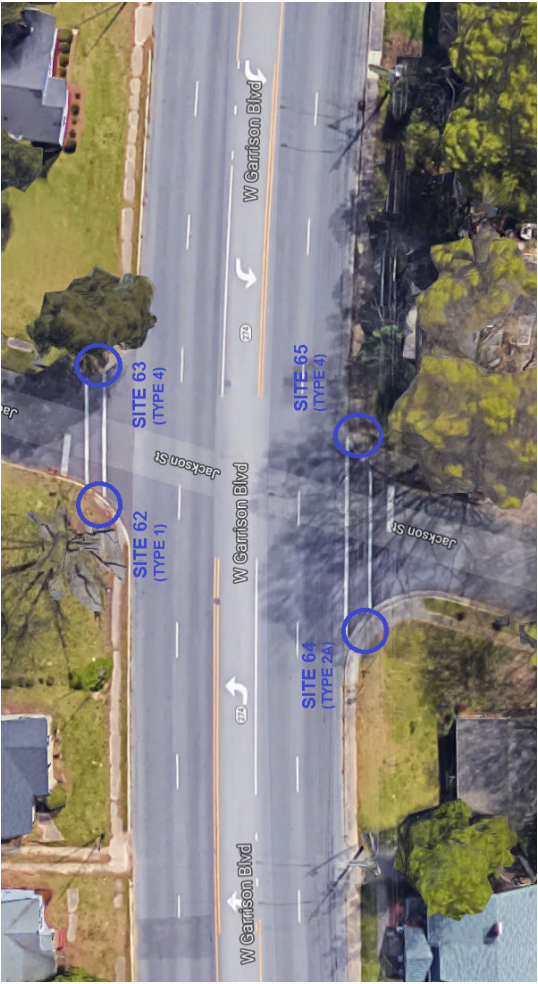
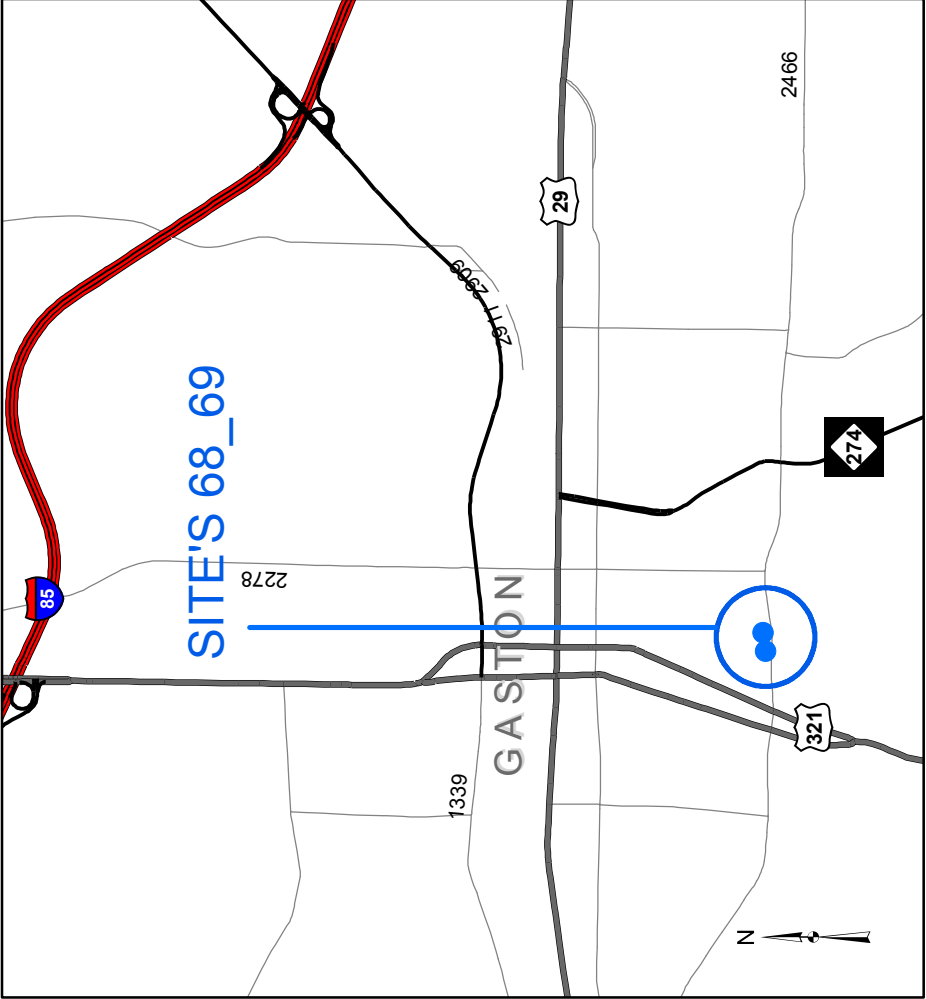
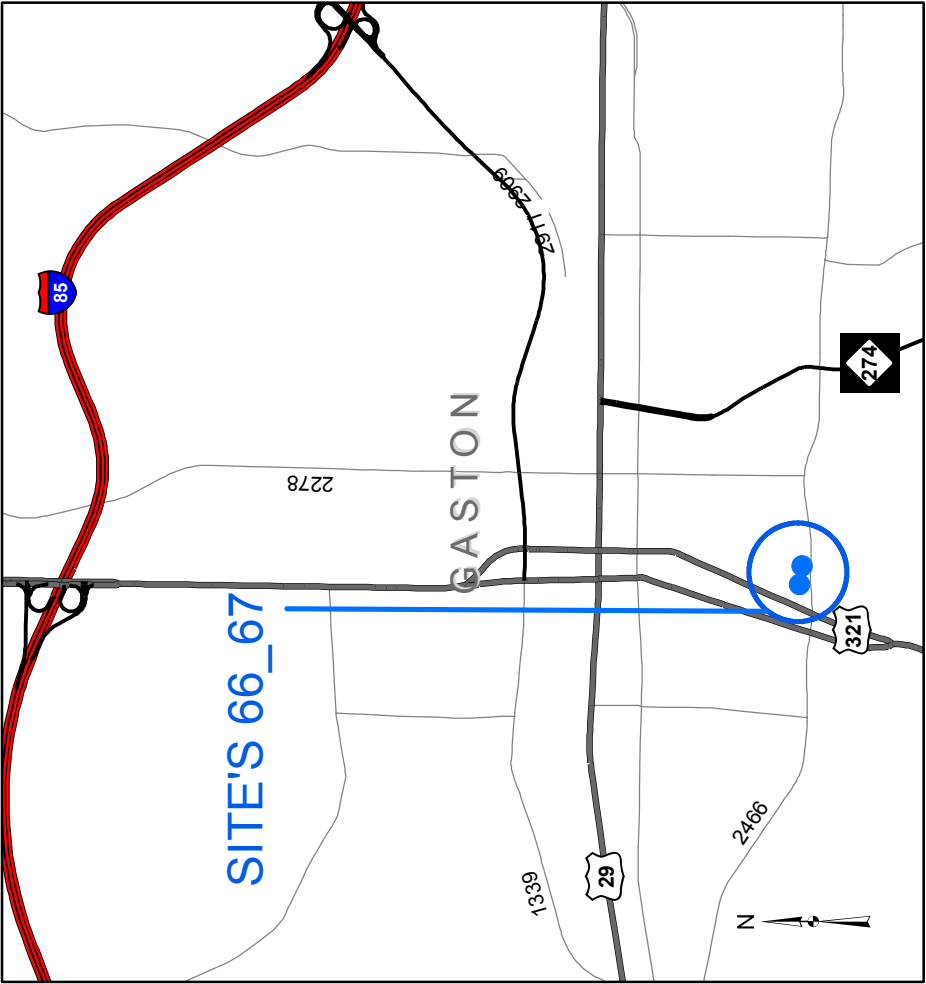
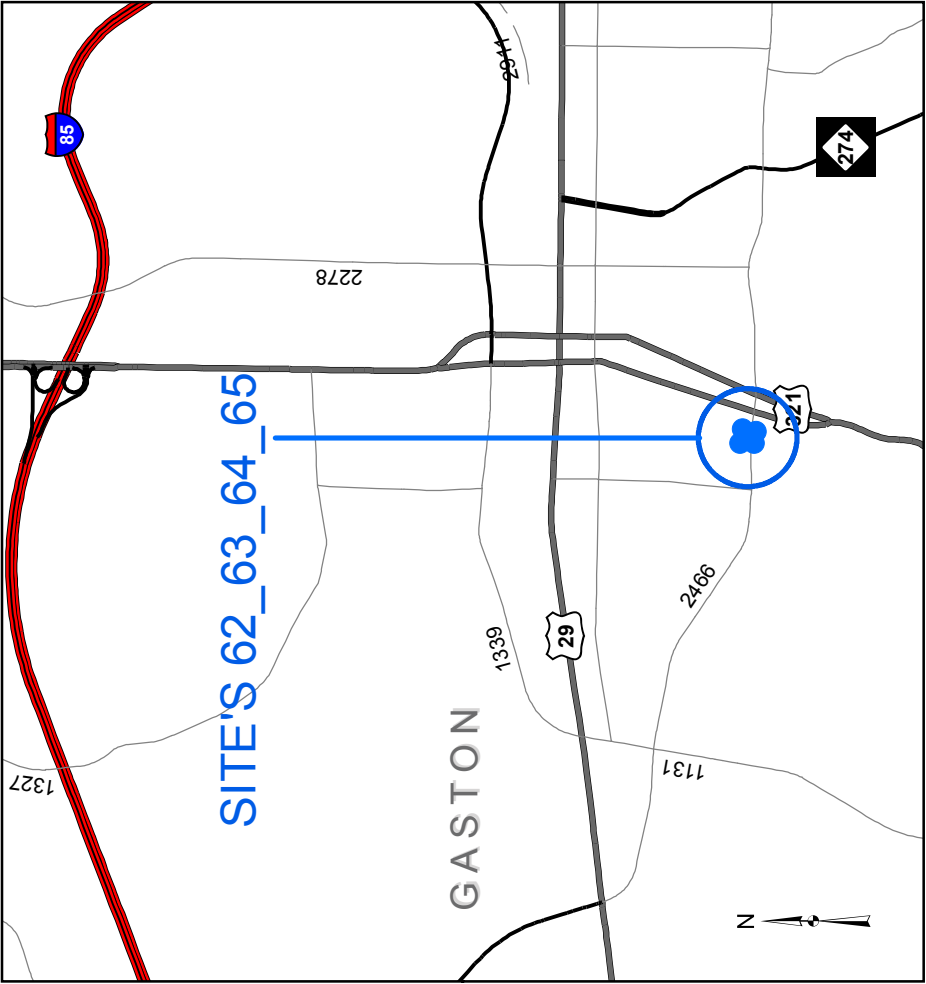


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SR 2466 (GARRISON BLVD.) @ S. CLAY STREET





SR 2466 (GARRISON BLVD.) @ JACKSON STREET

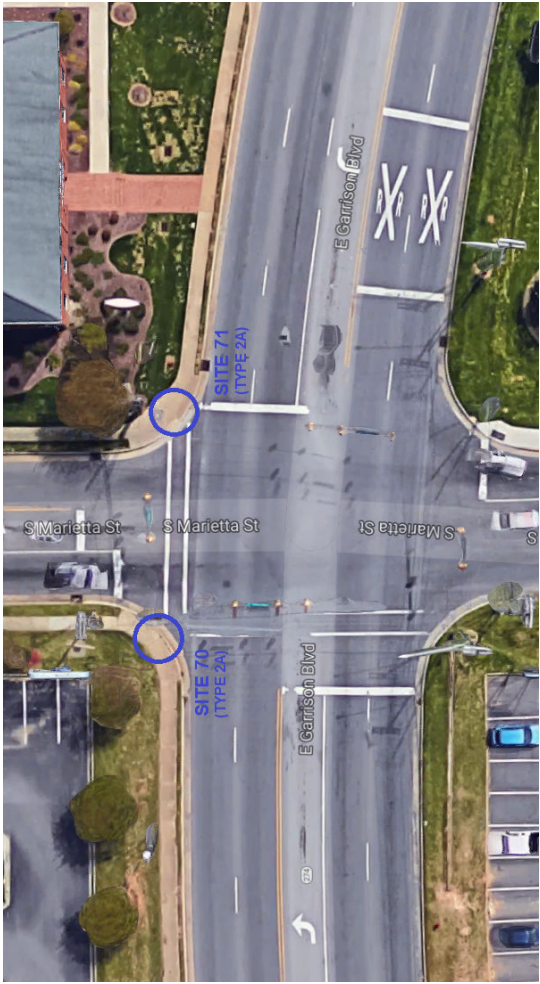
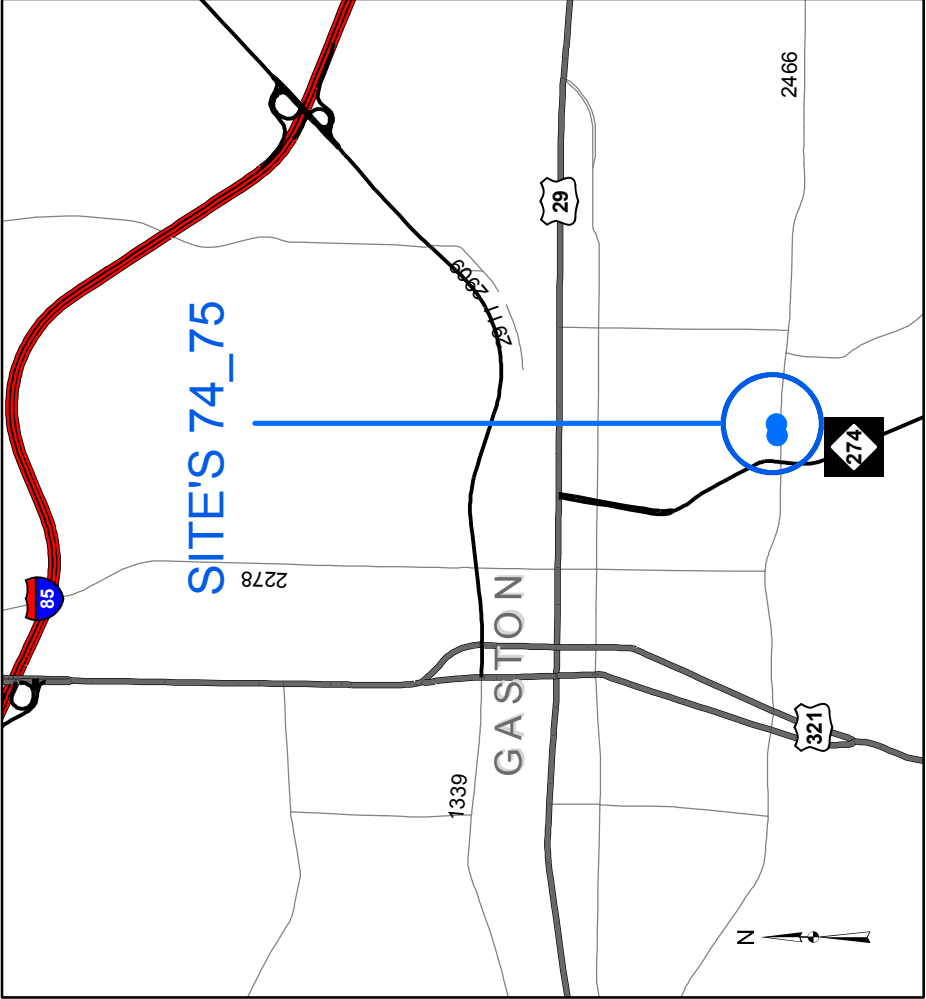
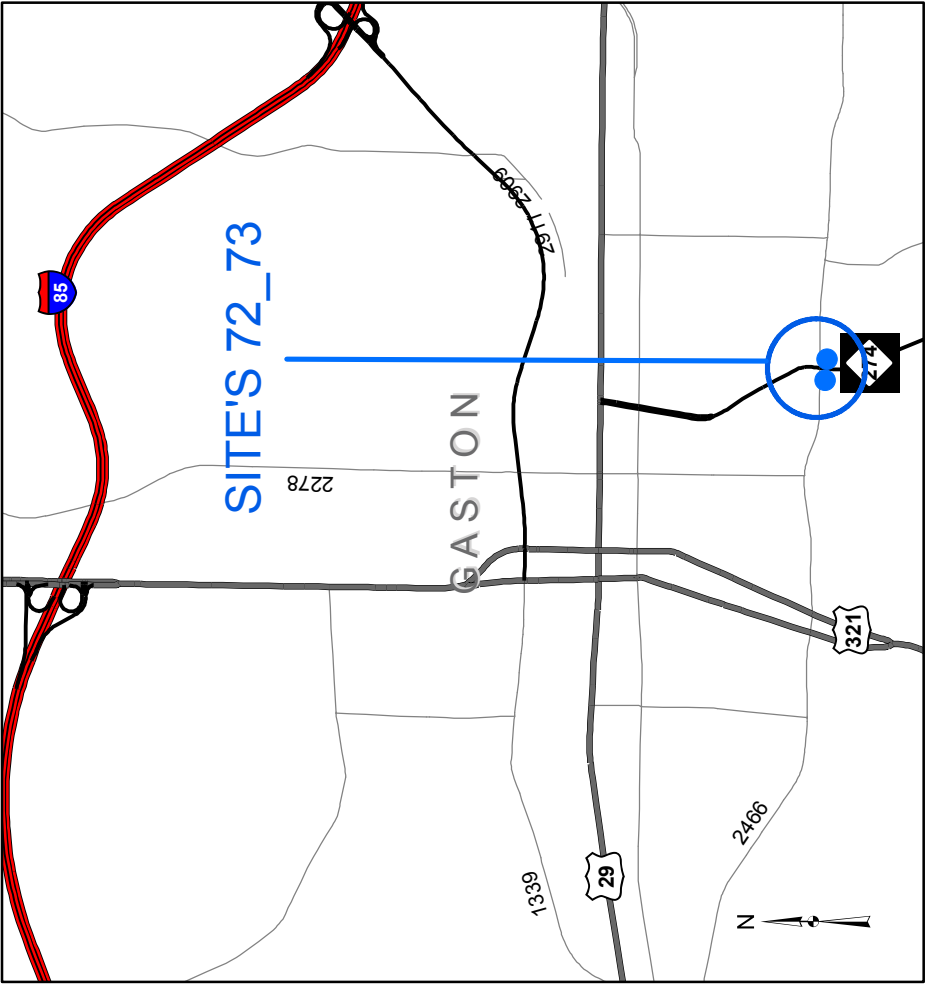
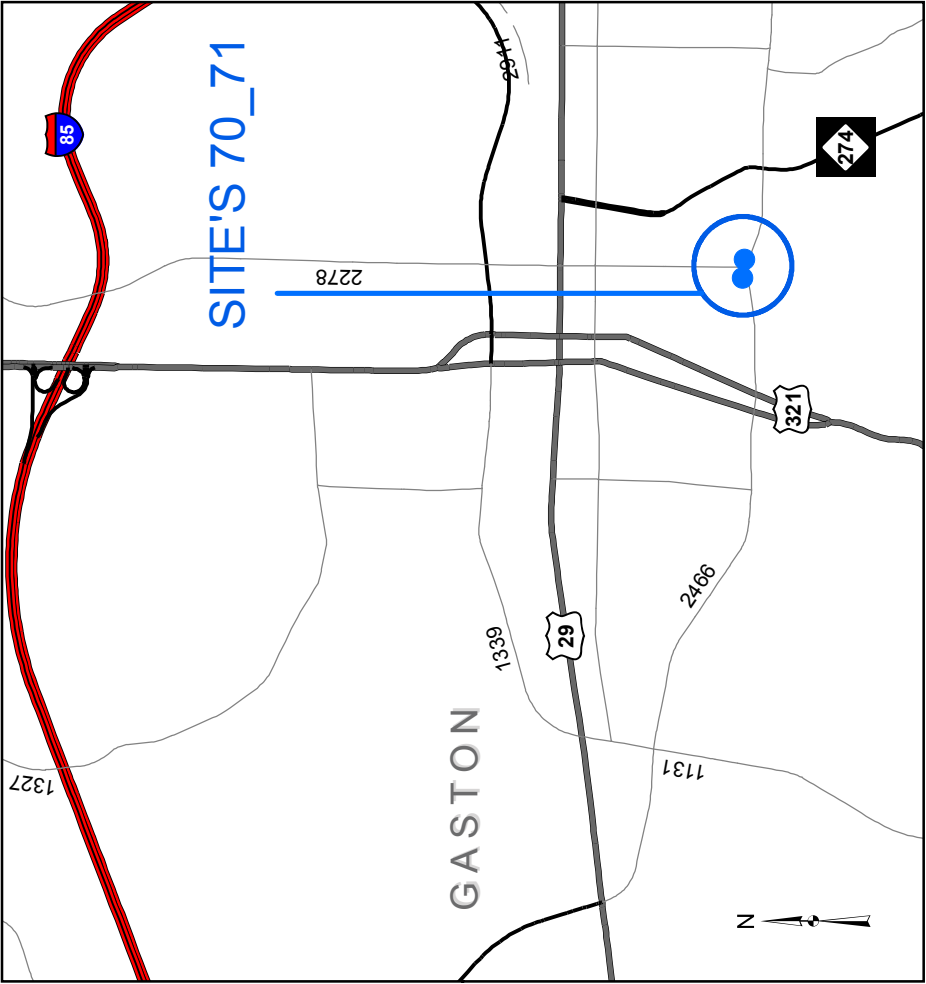


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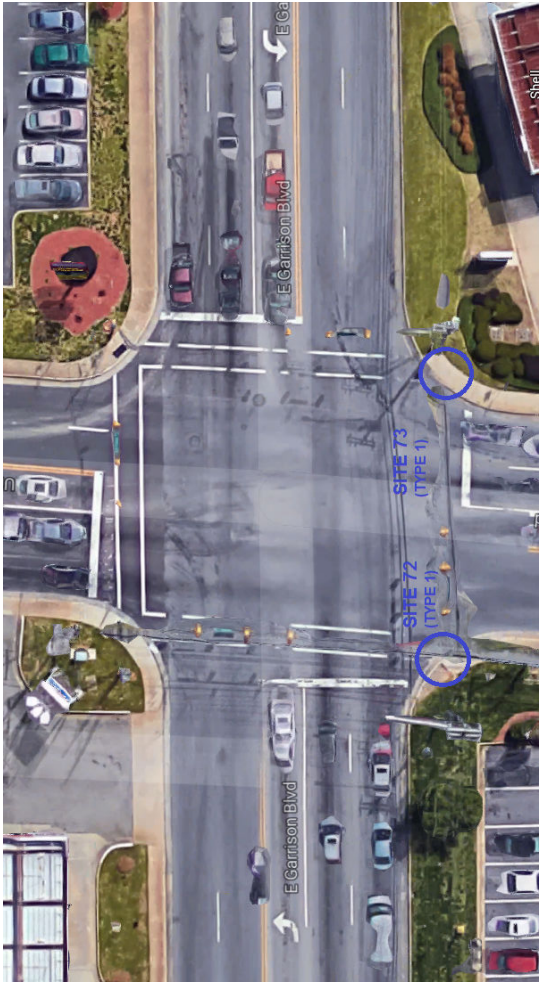


SR 2466 (GARRISON BLVD.) @ S. NEIL STREET





SR 2466 (GARRISON BLVD.) @ MARIETTA STREET

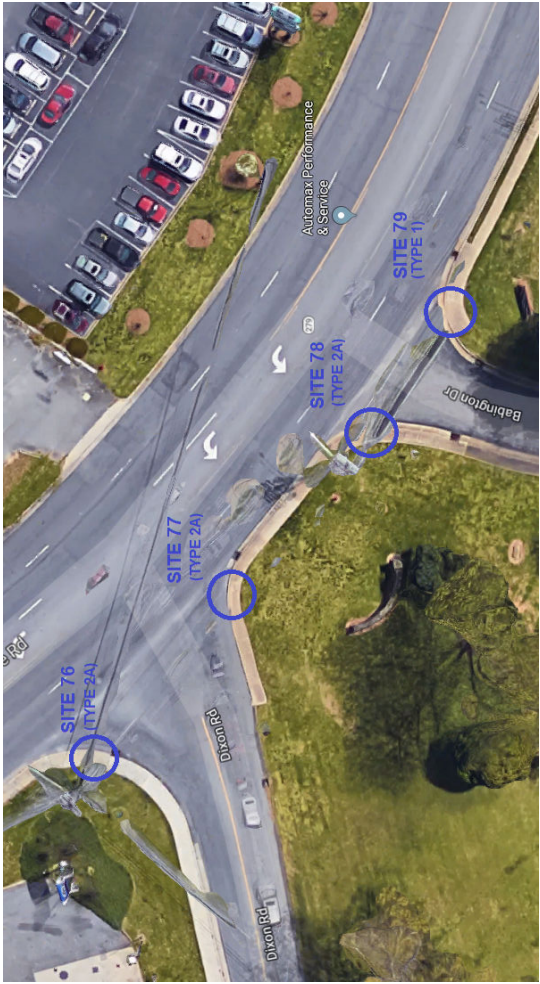
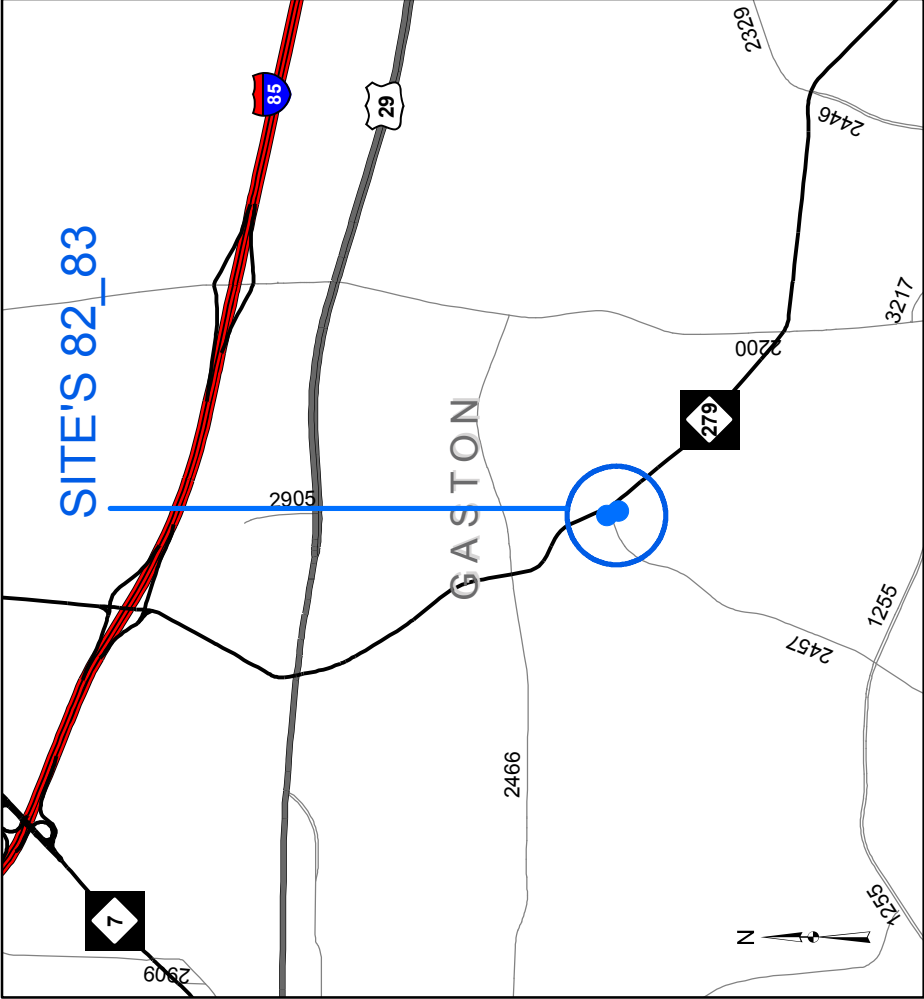
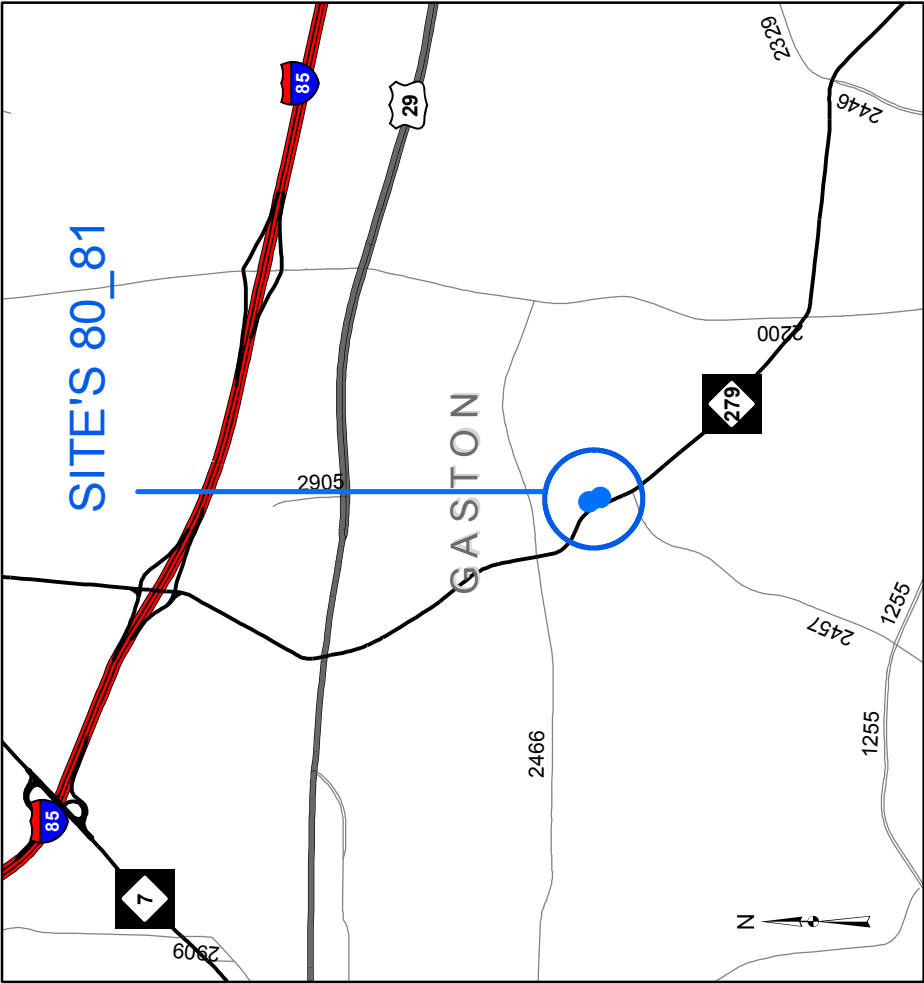
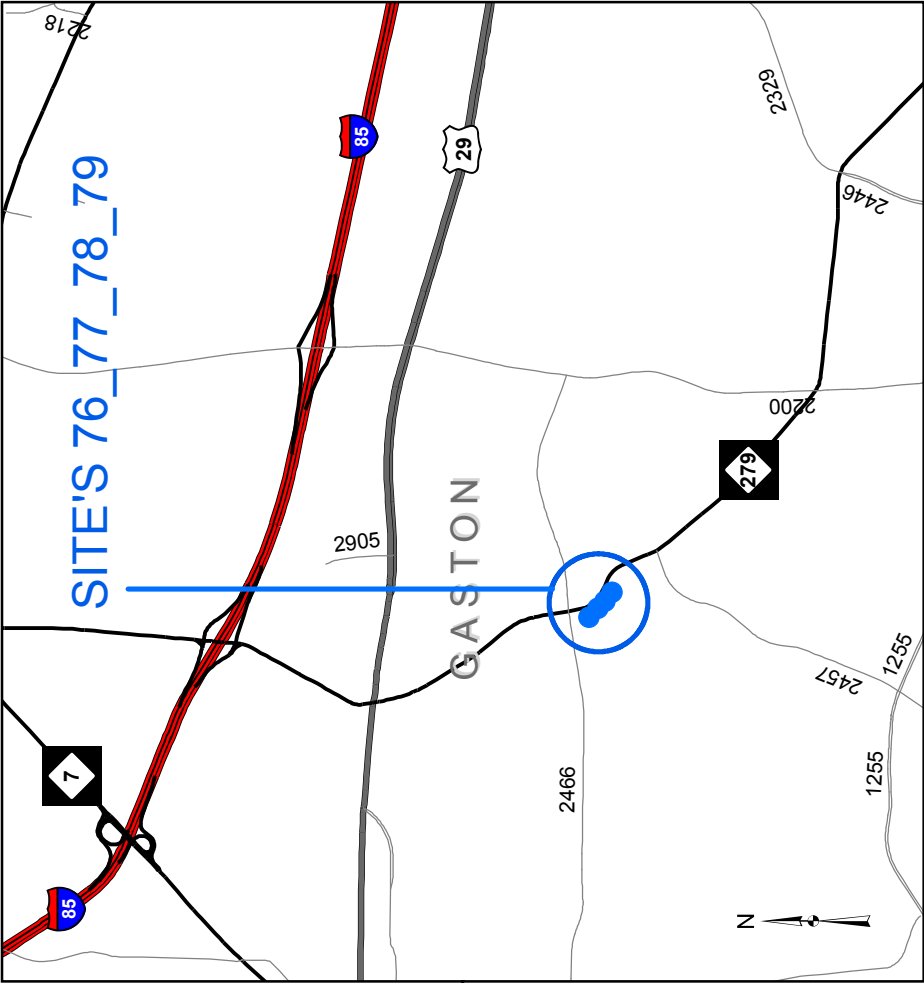


SR 2466 (GARRISON BLVD.) @ NC 274 (UNION ROAD)

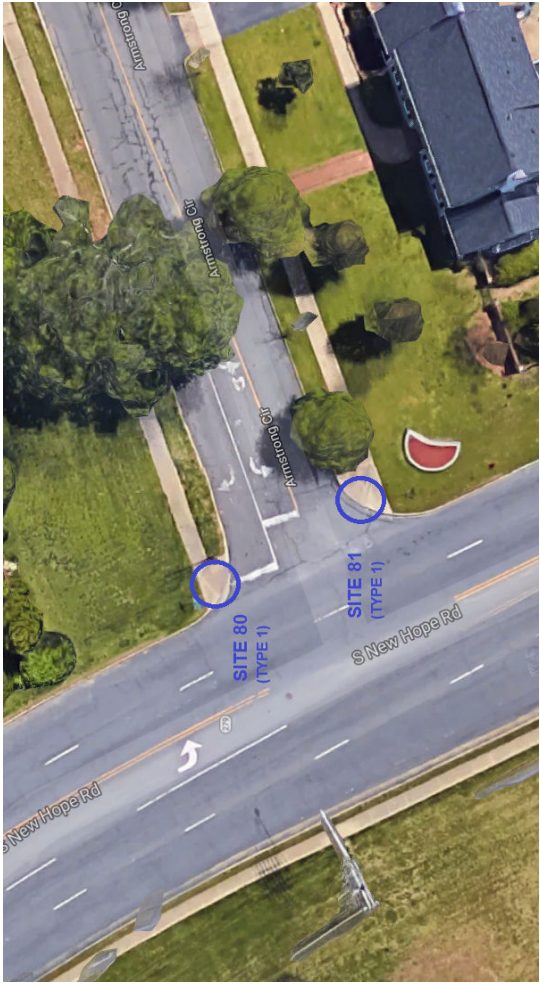


SR 2466 (GARRISON BLVD.) @ S. OAK STREET

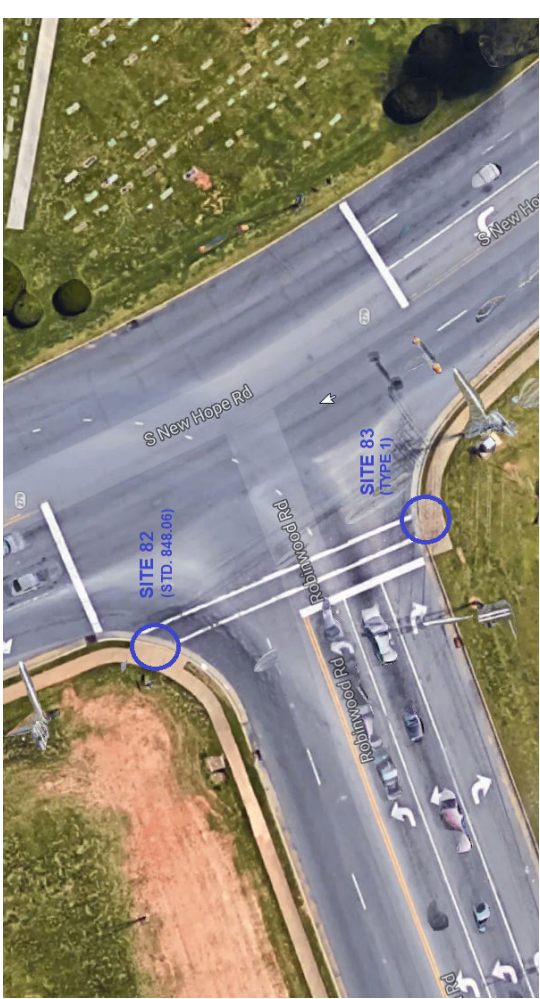




NC 279 (NEW HOPE ROAD) @ DIXON ROAD &
BABINGTON DR. (PARTNERS BEHAVIORAL HEALTH CLINIC)

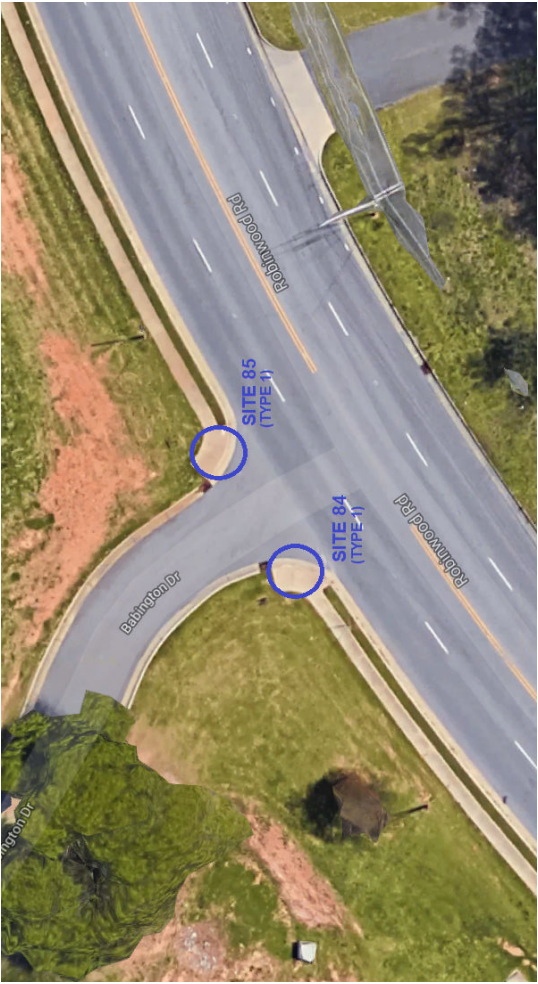
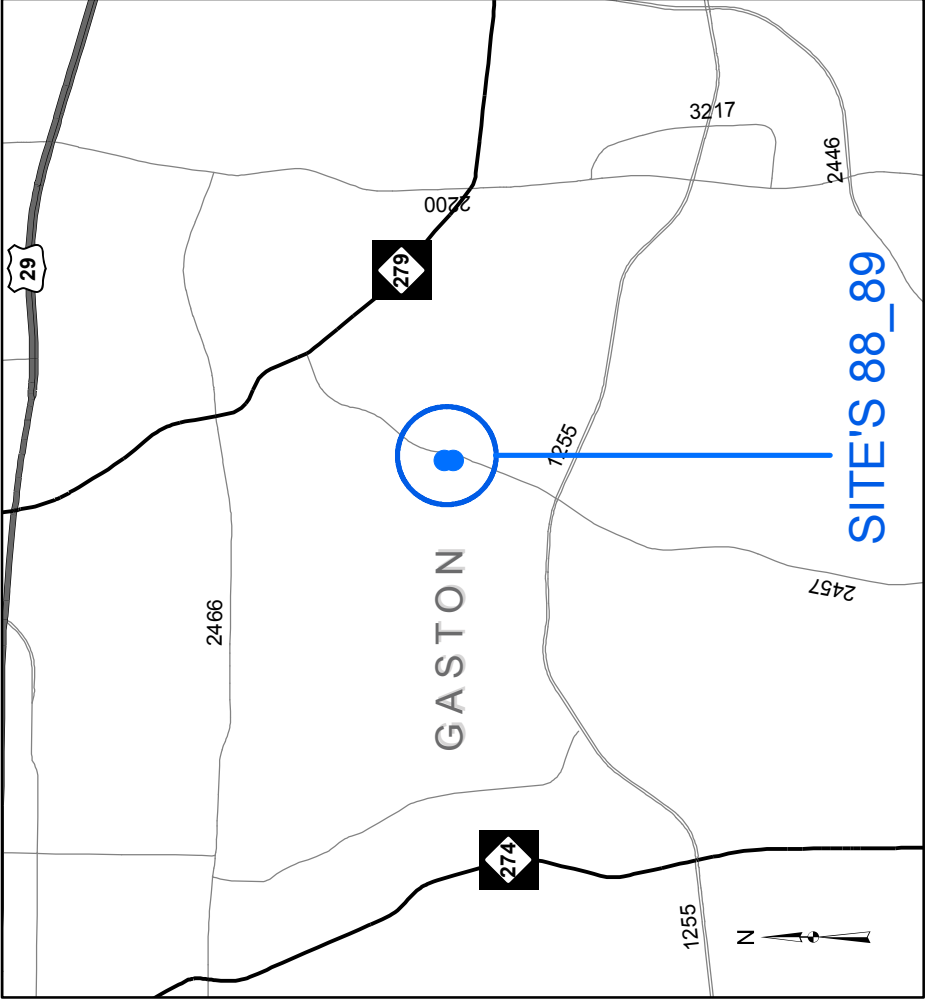
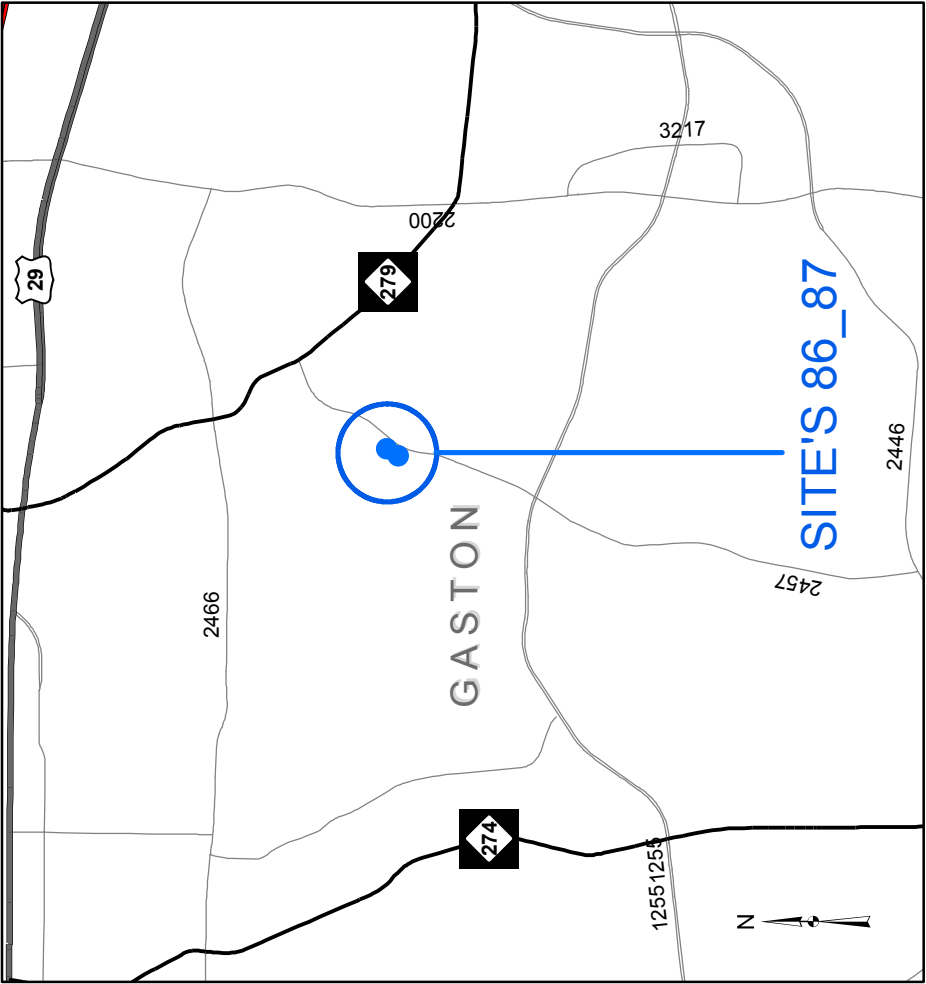
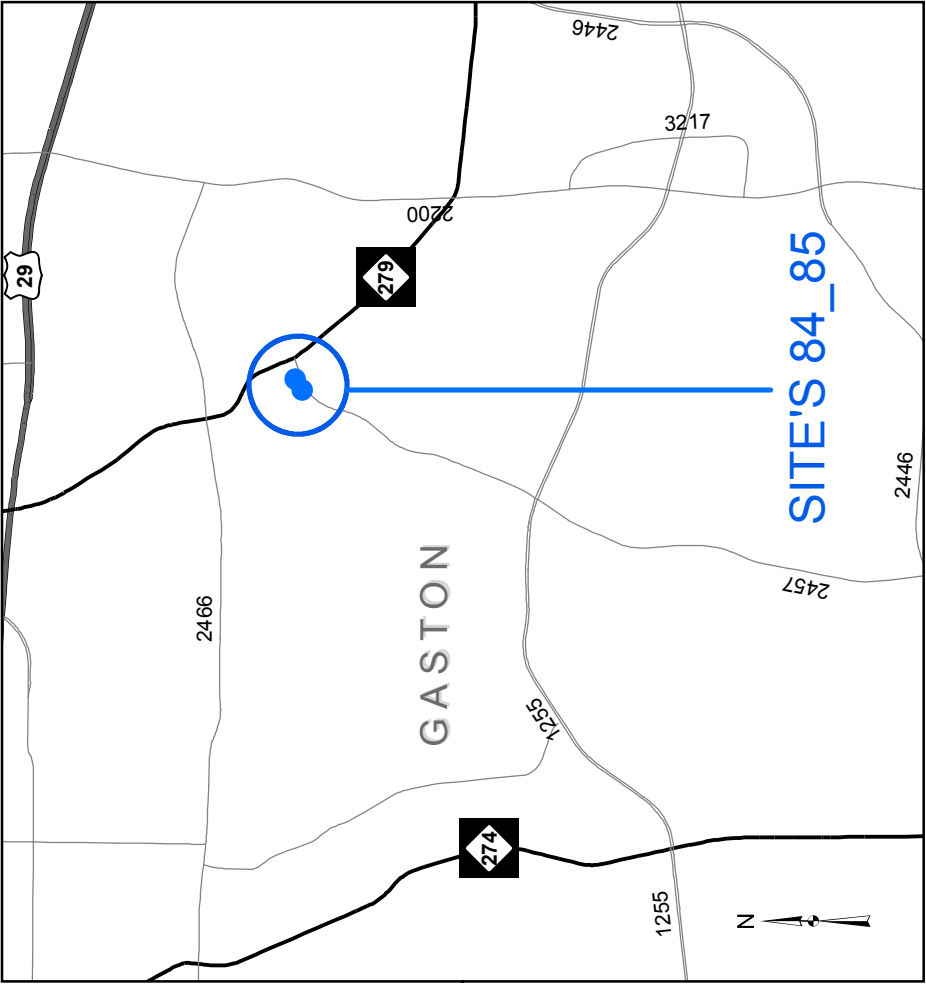


NC 279 (NEW HOPE ROAD) @ ARMSTRONG CIRCLE

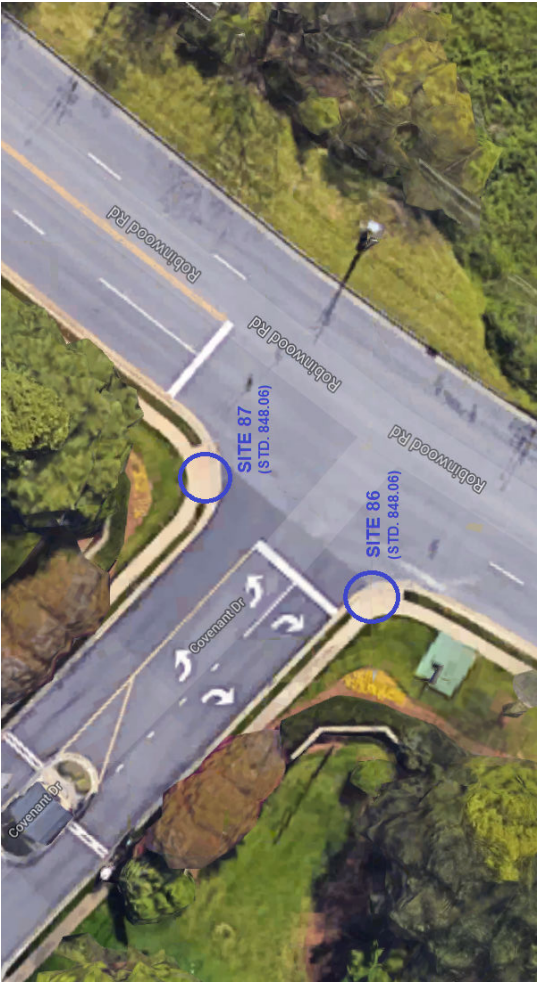


NC 279 (NEW HOPE ROAD) @ SR 2457 (ROBINWOOD ROAD)





SR 2457 (ROBINSON RD.) @ BABINGTON DR.

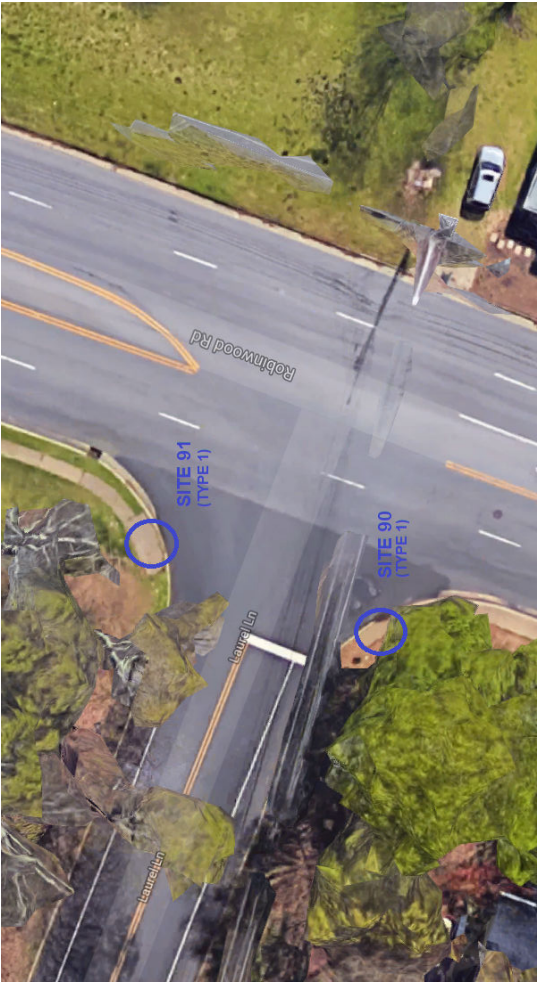
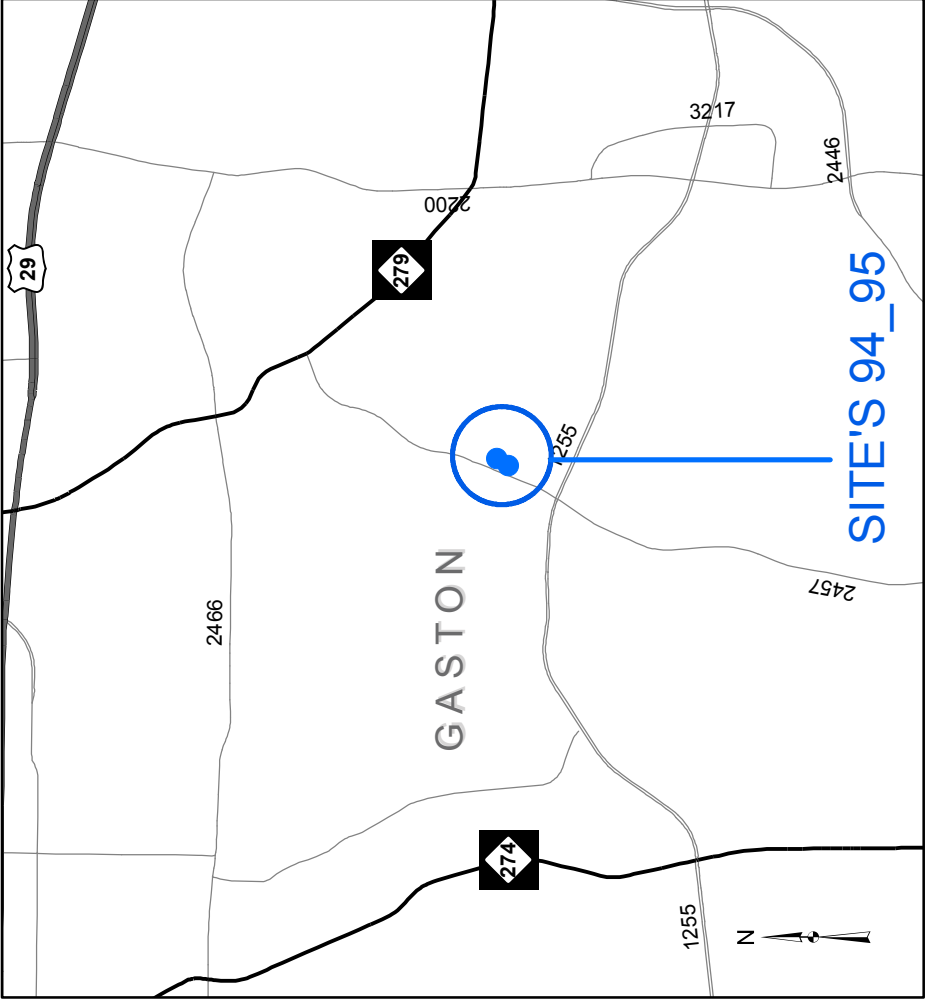
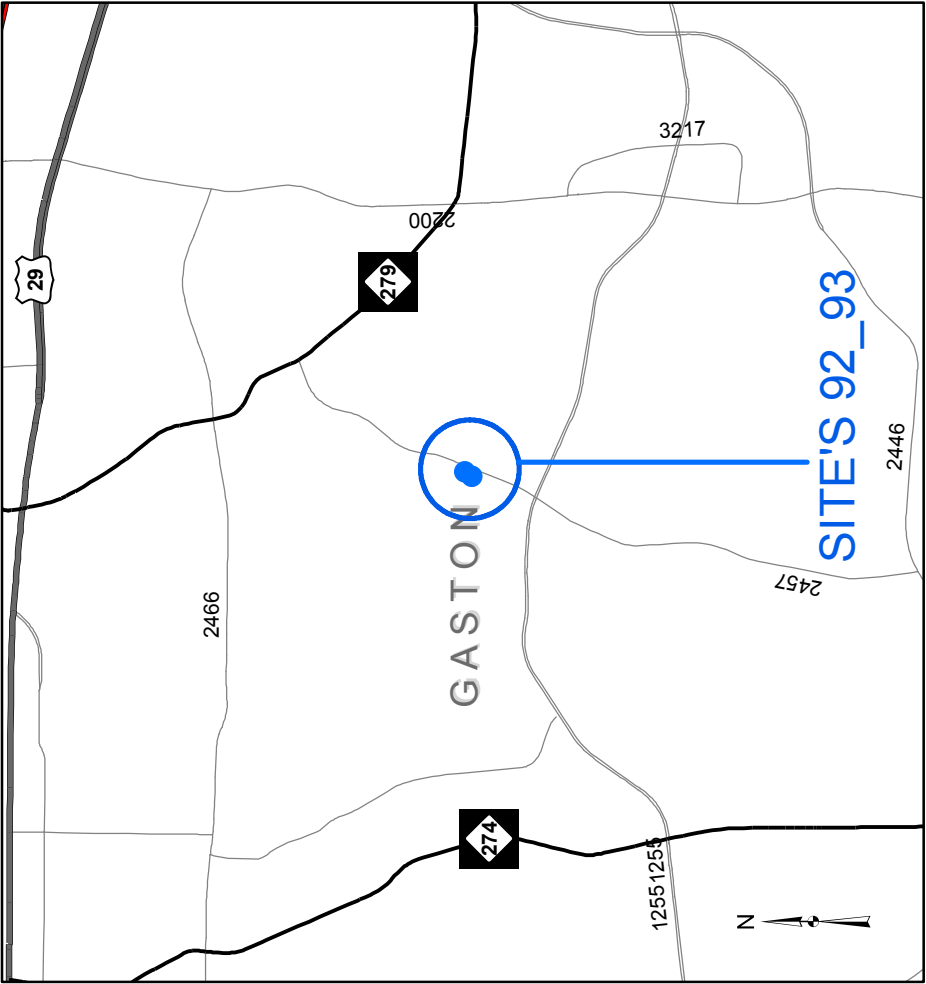
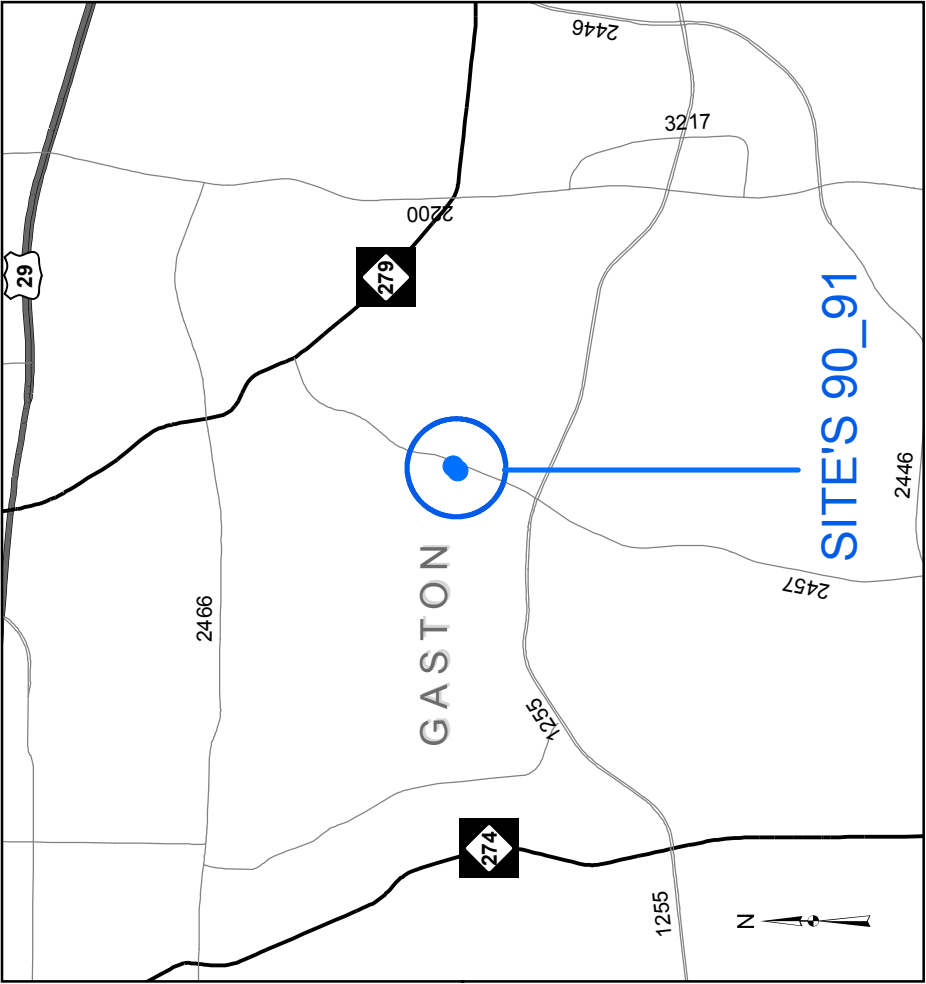


SR 2457 (ROBINSON RD.) @ COVENANT DR.
(COVENANT VILLAGE ENTRANCE)



SR 2457 (ROBINSON RD.) @ HILLGATE AVE.

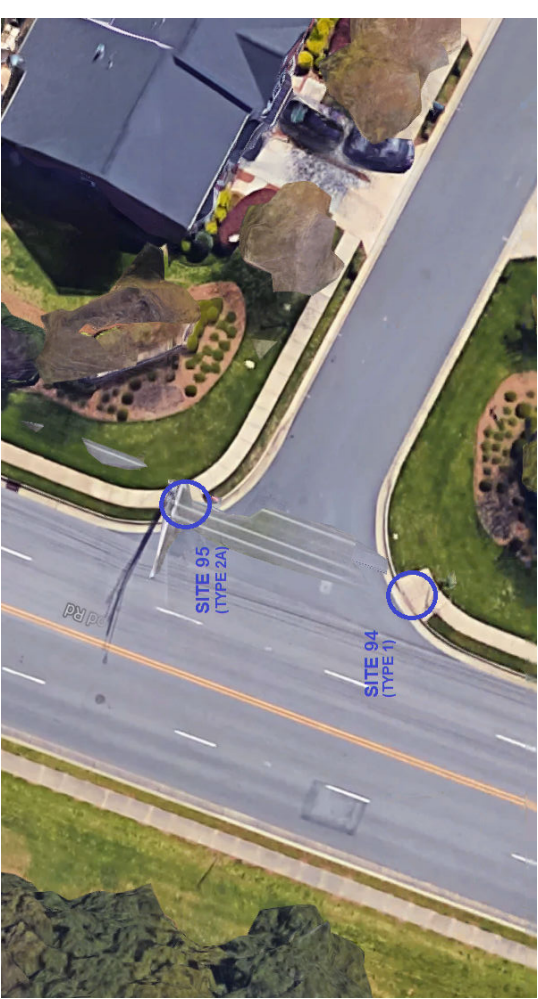




SR 2457 (ROBINWOOD RD.) @ LAUREL LANE

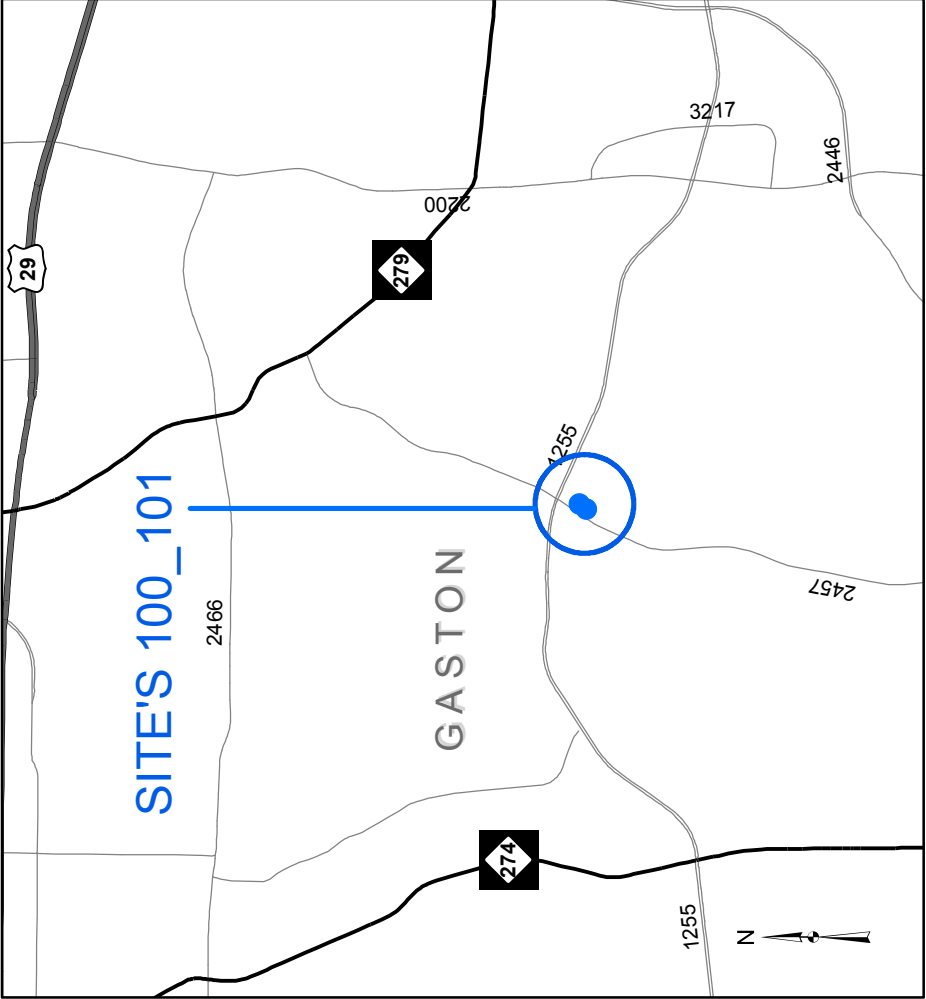
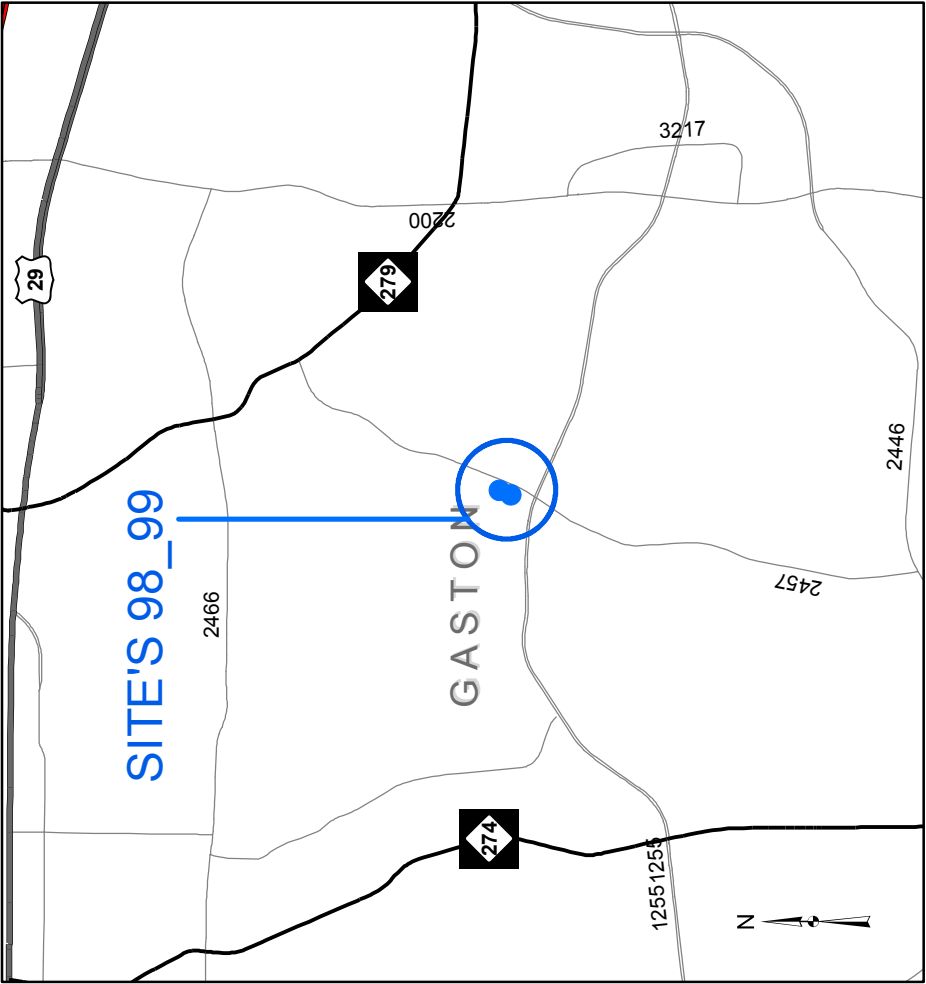
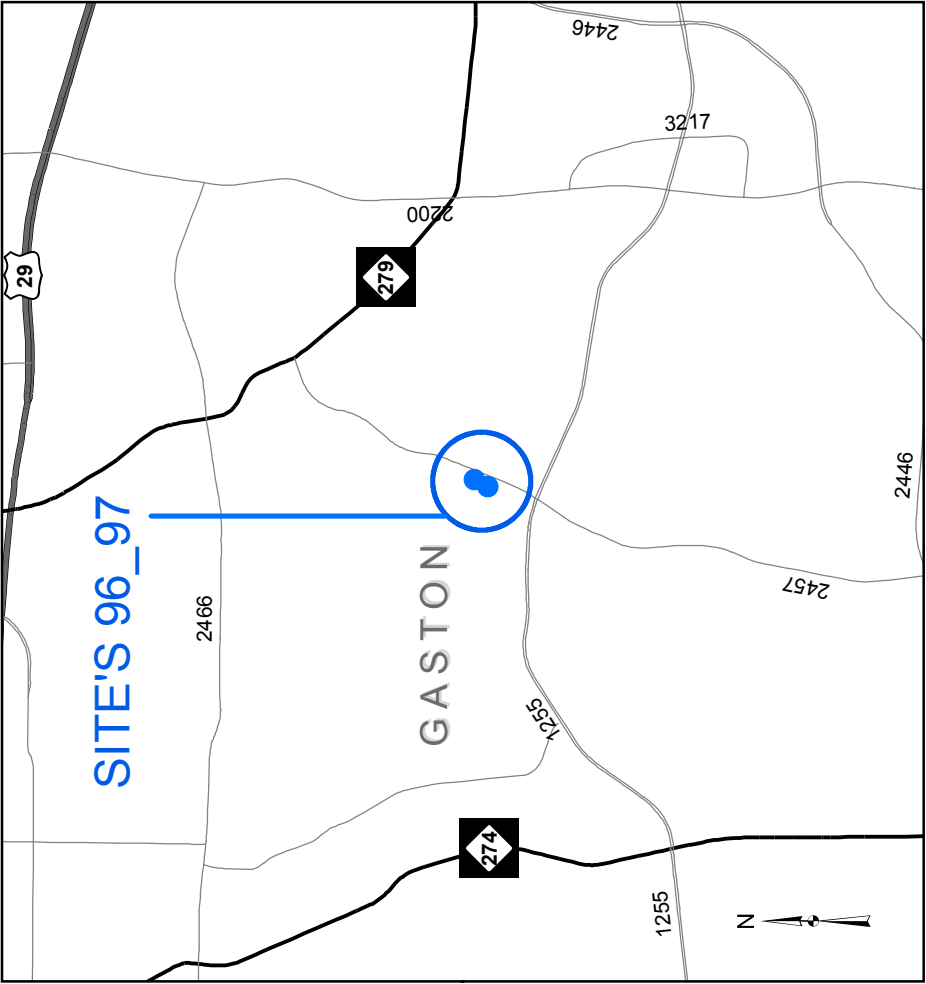


SR 2457 (ROBINWOOD RD.) @ QUAIL WOODS RD. (NORTH ENTRANCE)



SR 2457 (ROBINWOOD RD.) @ ROBINWOOD VILLAGE DR.





SR 2457 (ROBINWOOD RD.) @ QUAIL WOODS RD. (SOUTH ENTRANCE)

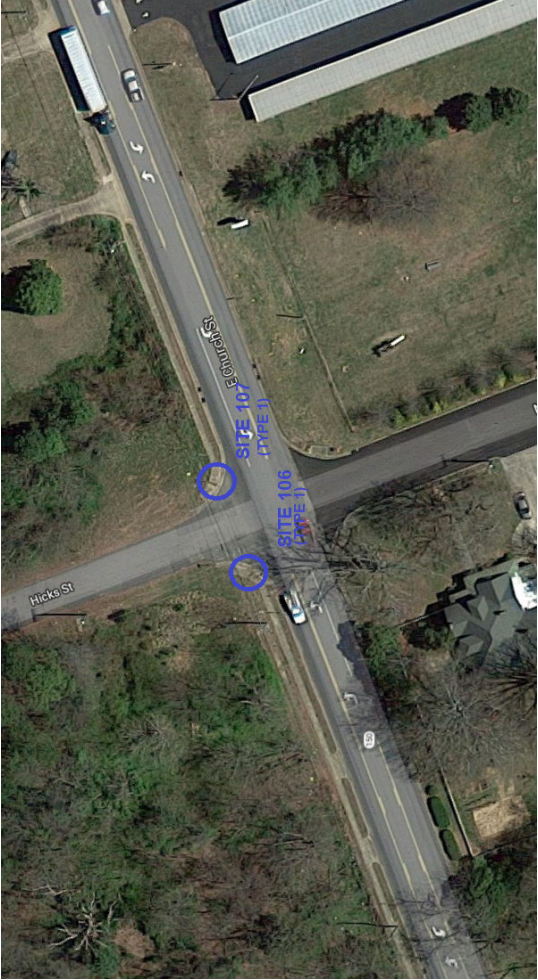
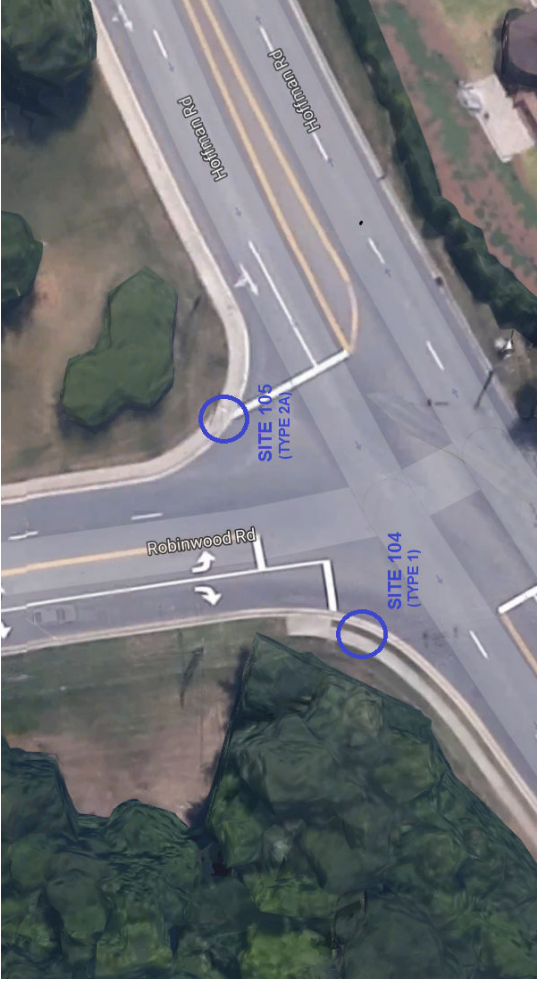
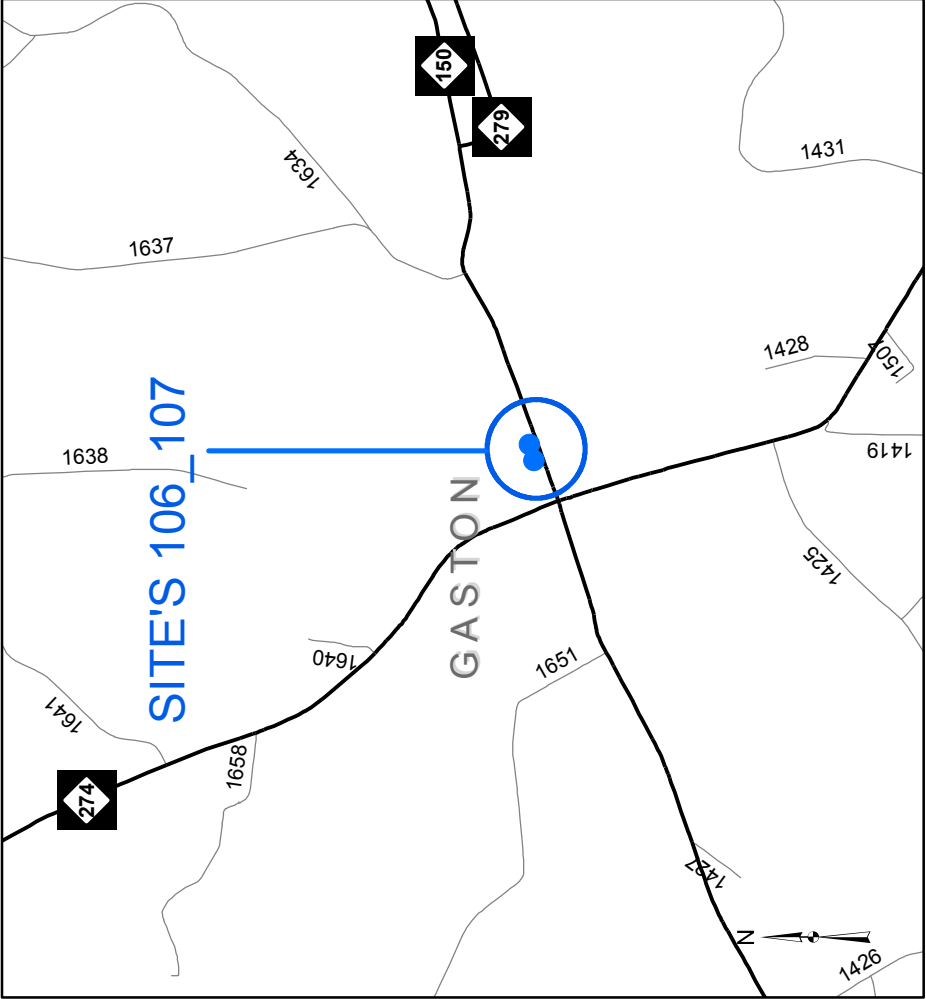
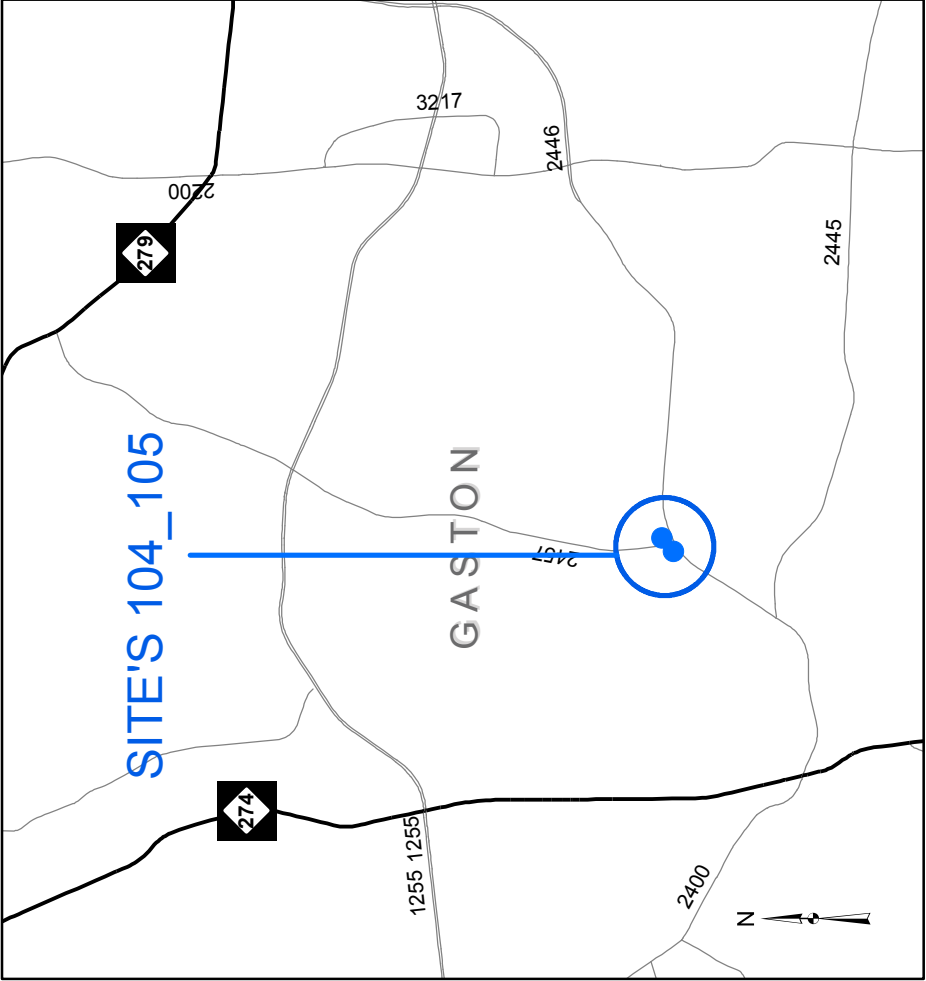
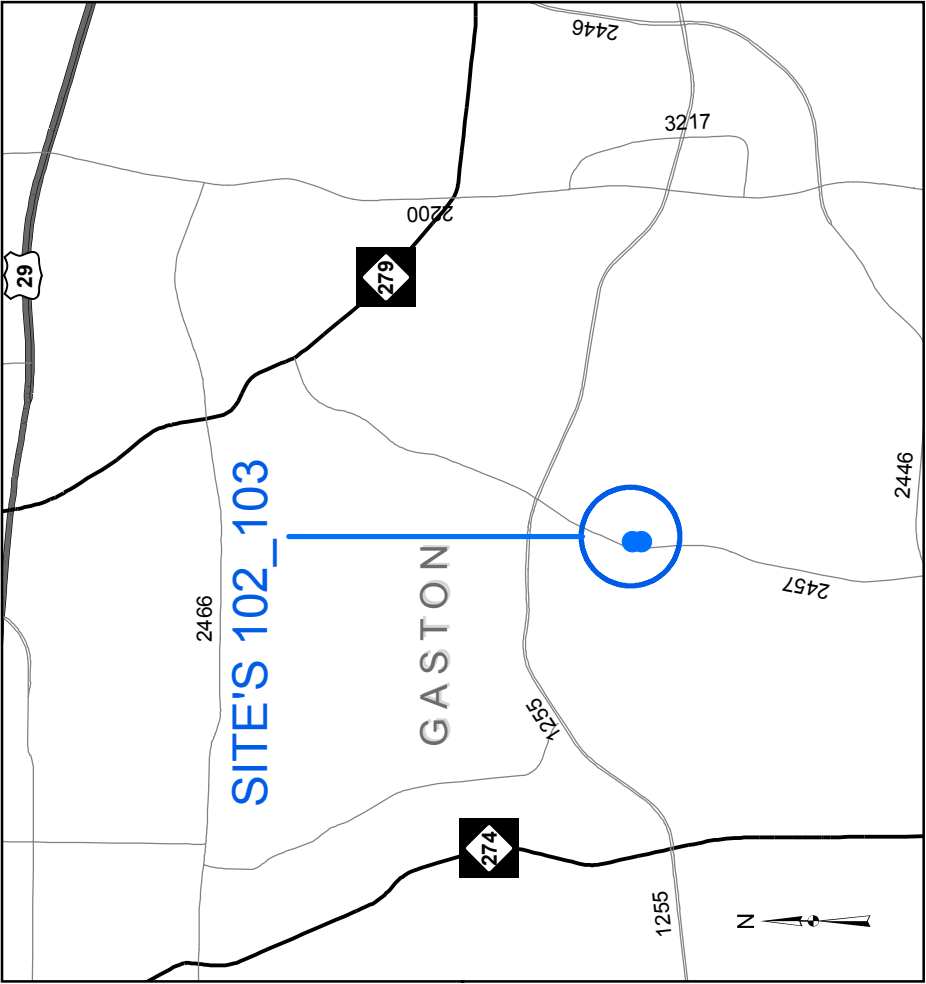


SR 2457 (ROBINWOOD RD.) @ HUDSON OAKS DR. ENTRANCE



SR 2457 (ROBINWOOD RD.) @ HUDSON WOODS DR. ENTRANCE



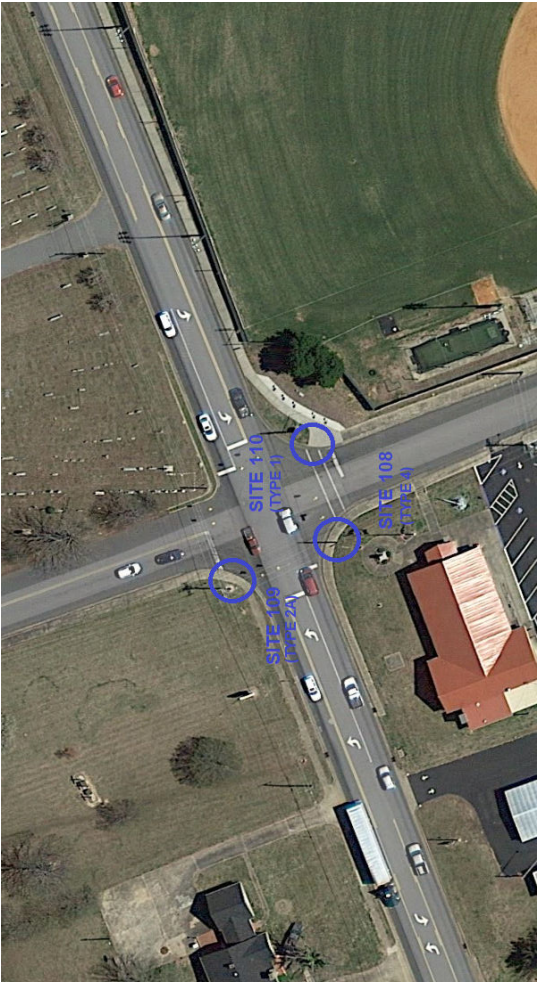
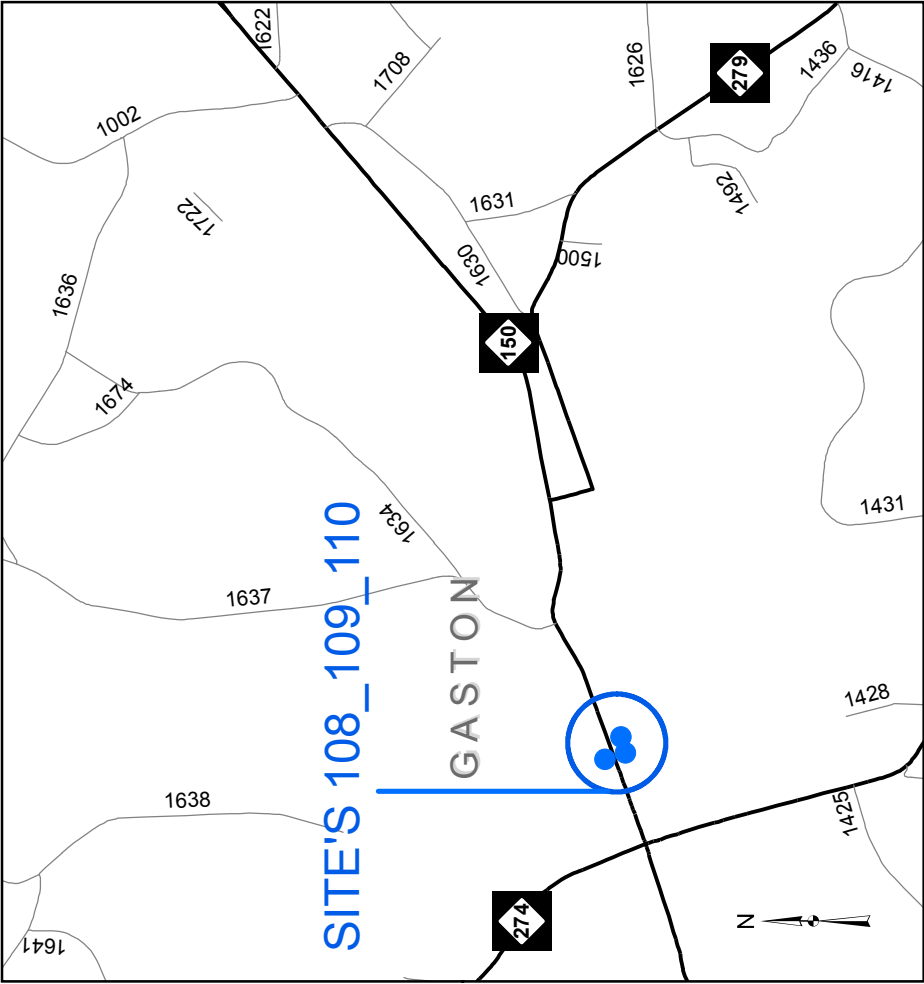
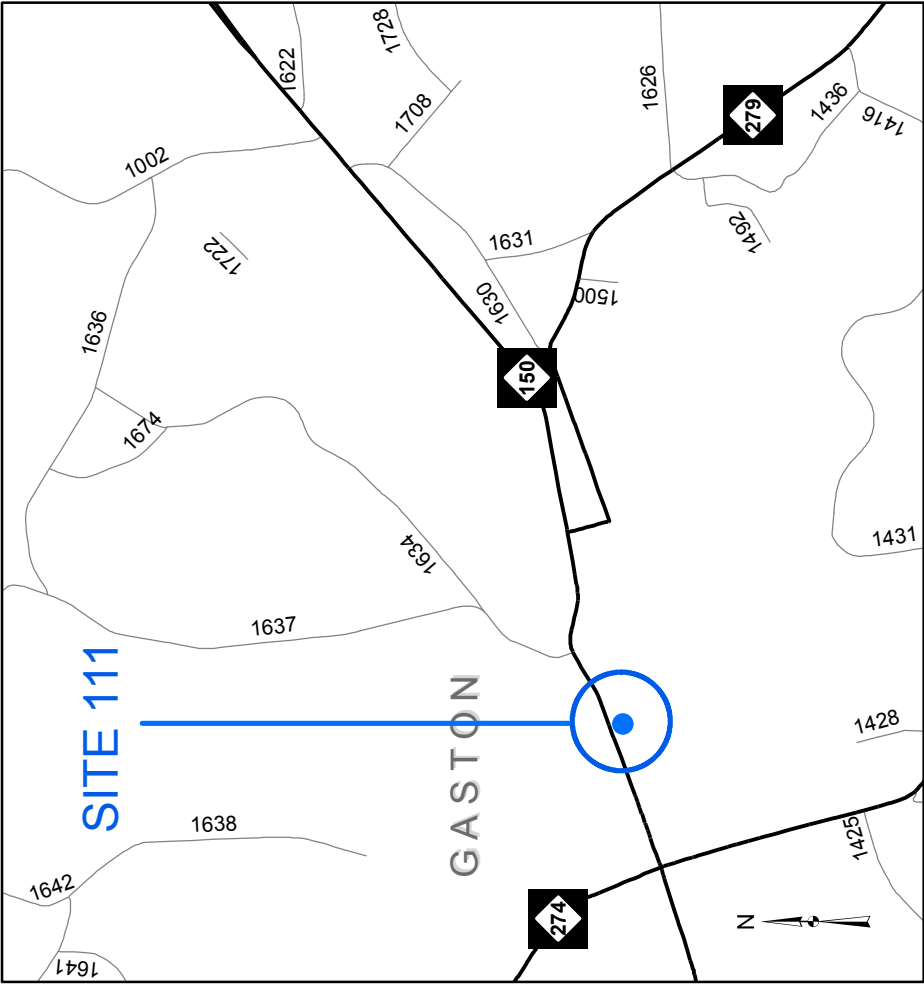
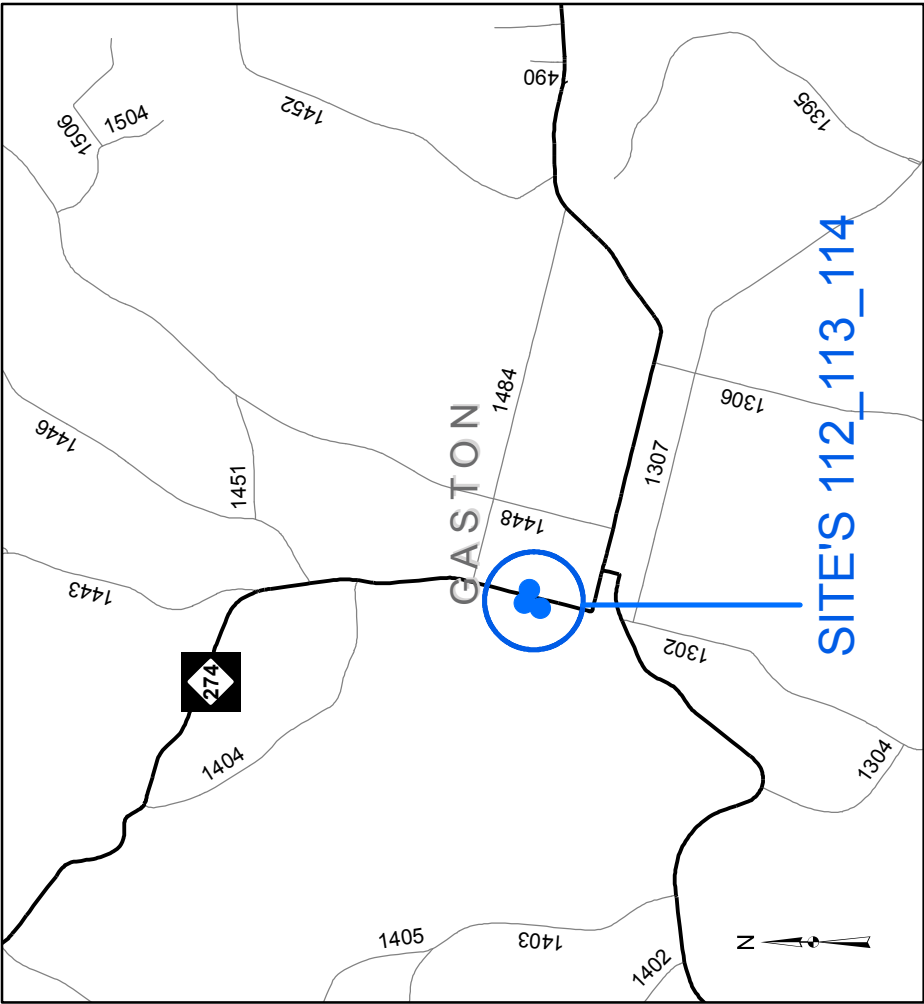


SR 2457 (ROBINSON RD.) @ ARMY NATIONAL GUARD ENTRANCE

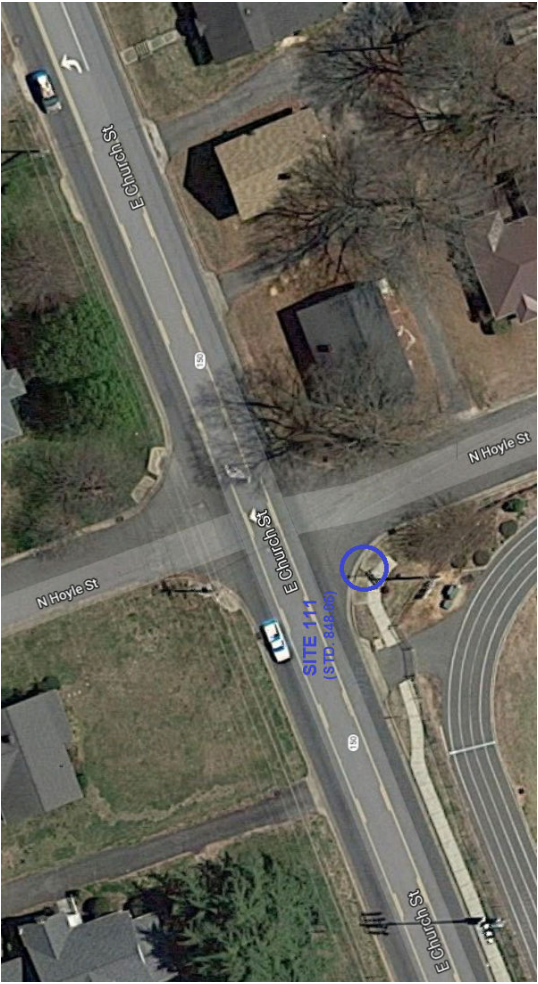
SR 2457 (ROBINSON RD.) @ SR 2446 (HOFFMAN RD.)

NC 150 (CHURCH ST.) @ HICKS STREET

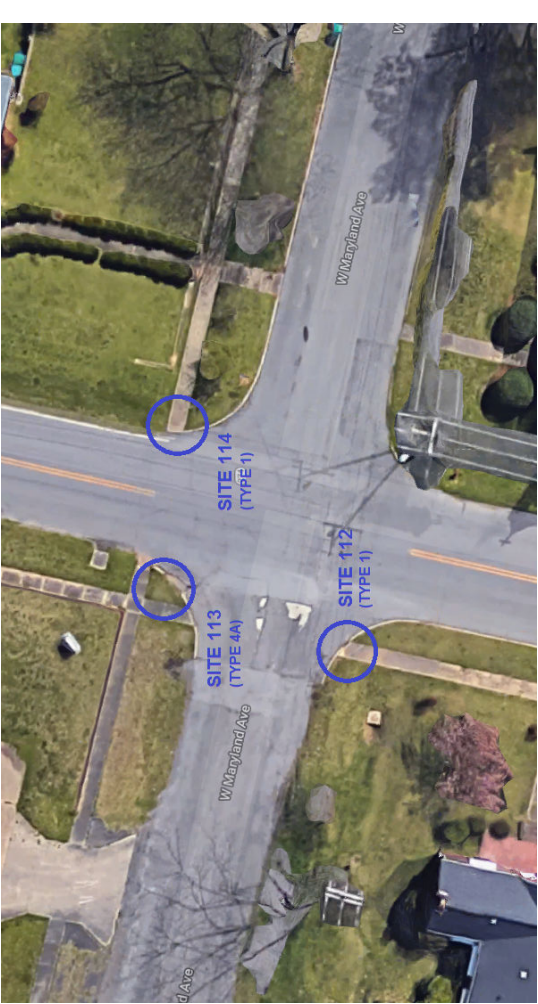




NC 150 (CHURCH ST.) @ PINK STREET

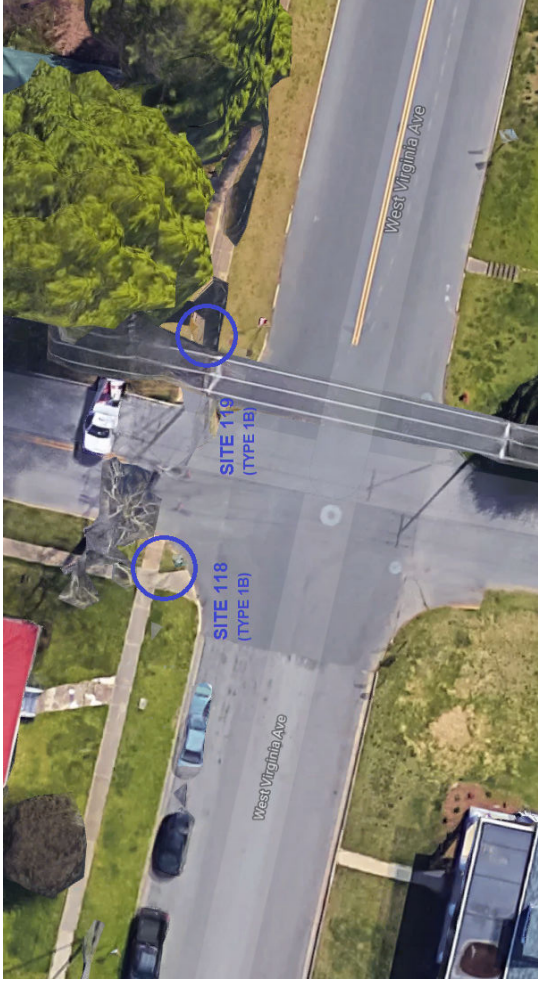
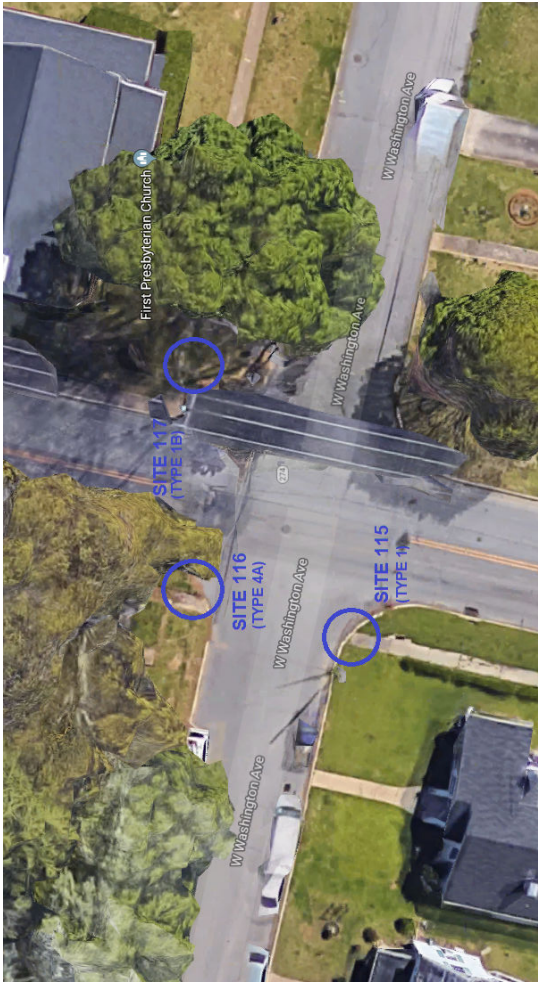
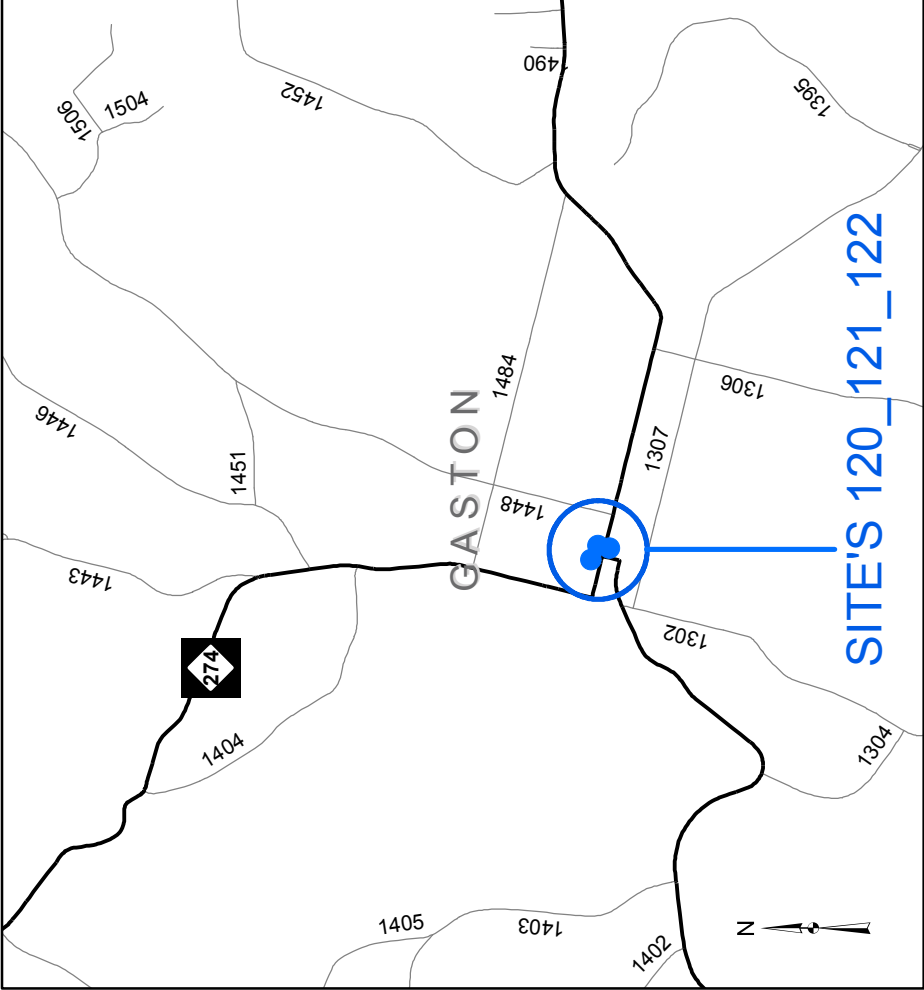
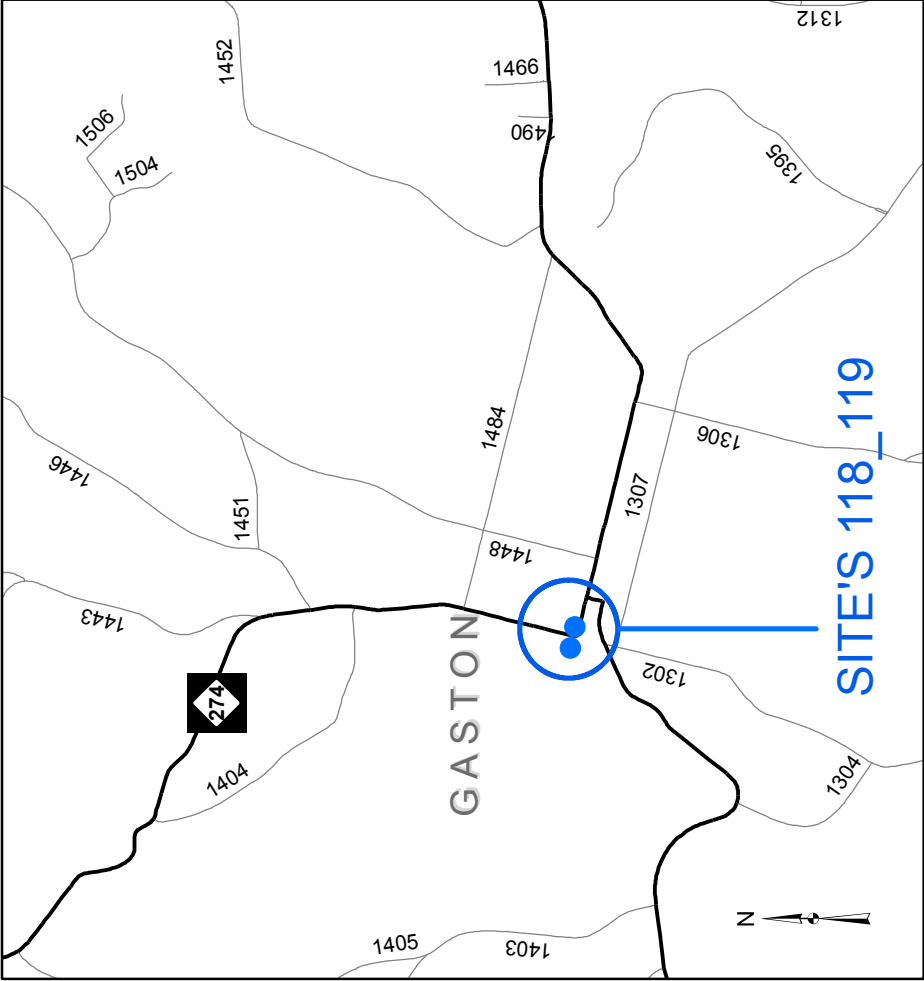
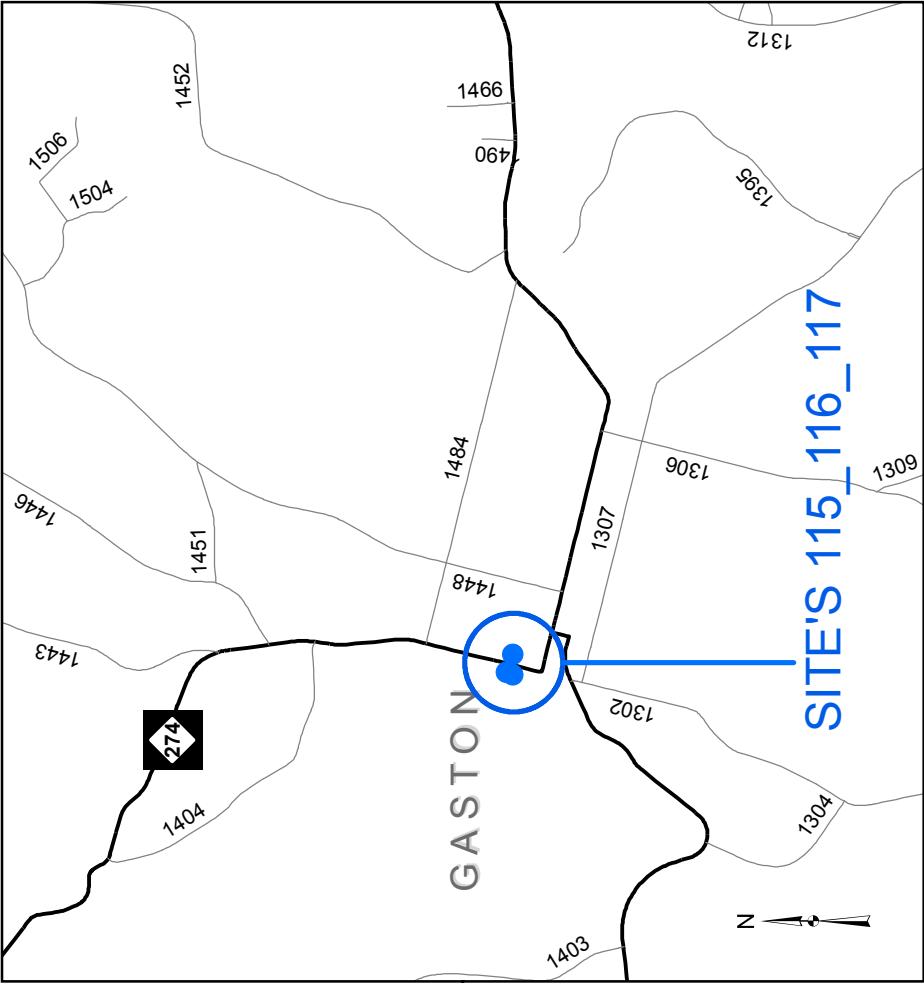


NC 150 (CHURCH ST.) @ HOYLE STREET



NC 274 (N. 14TH STREET) @ W. MARYLAND AVE.



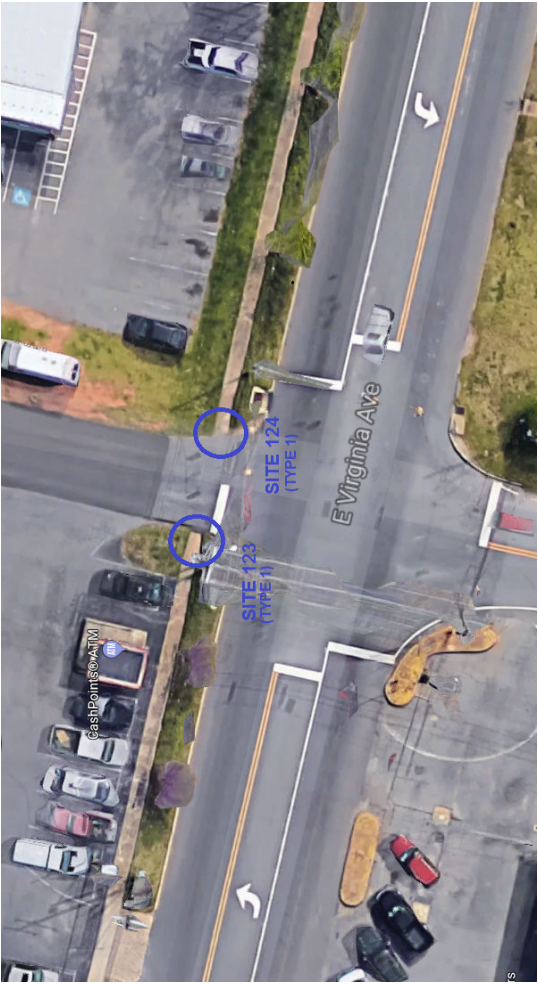
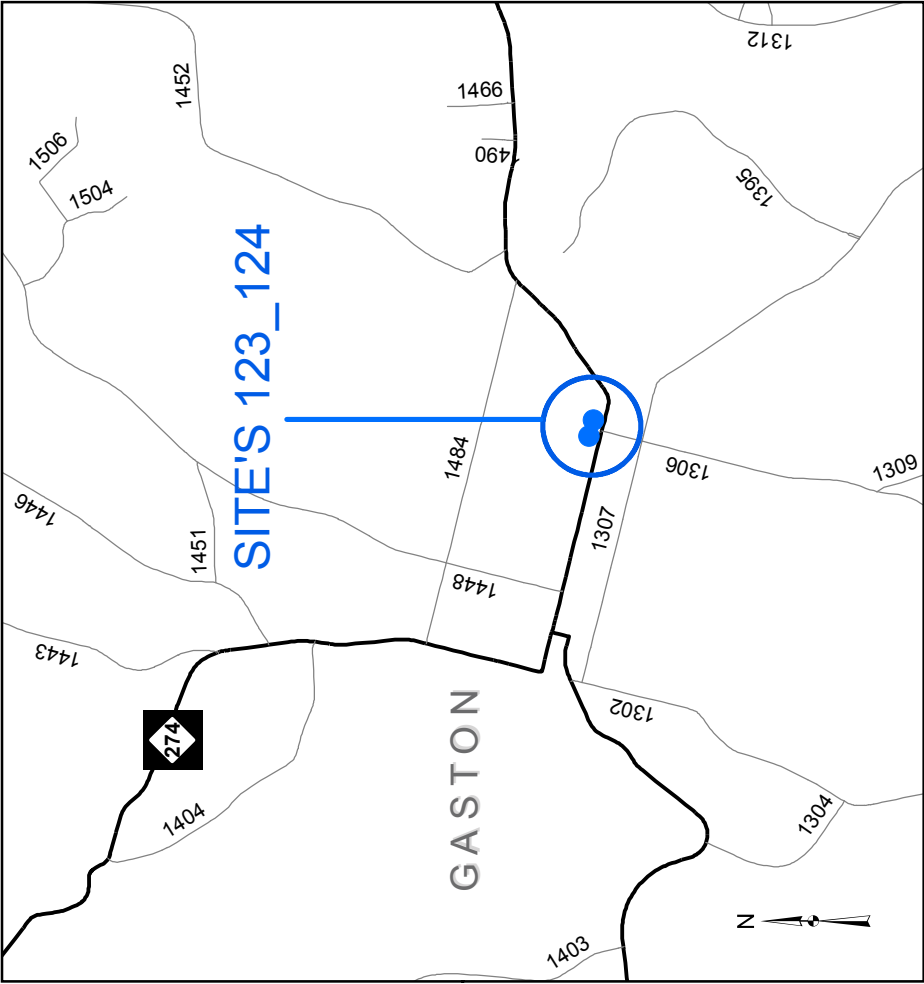
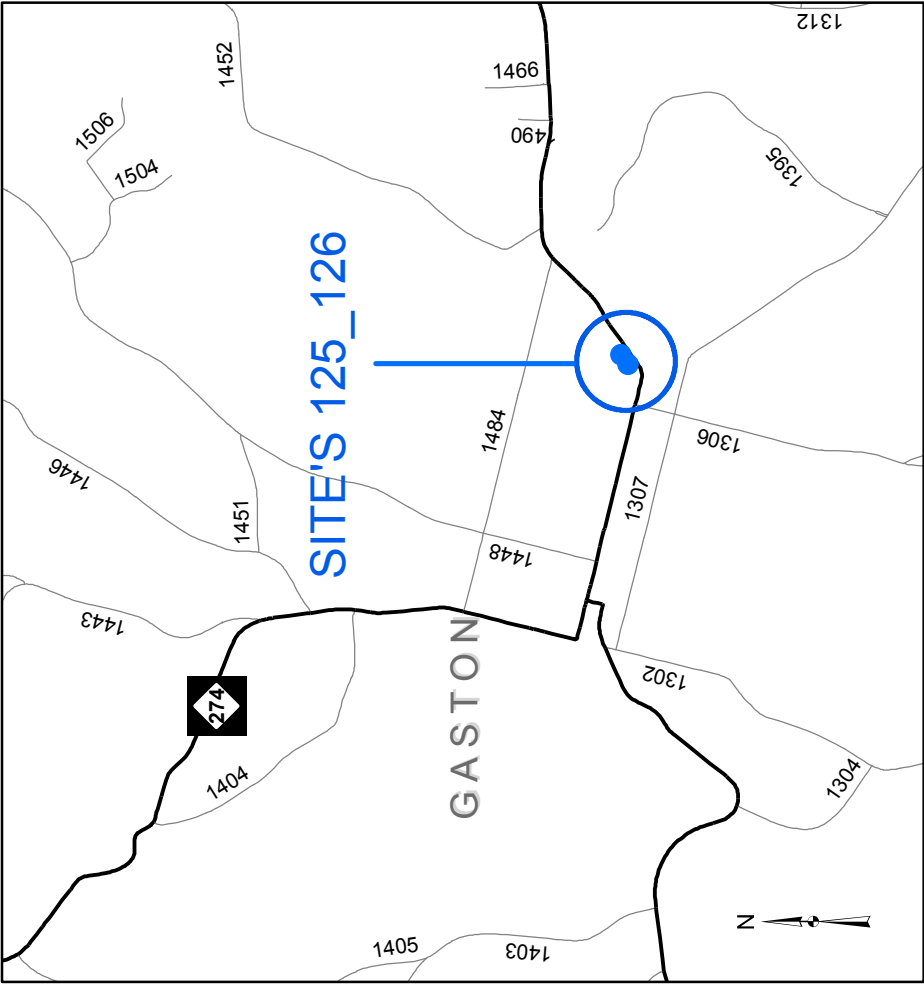
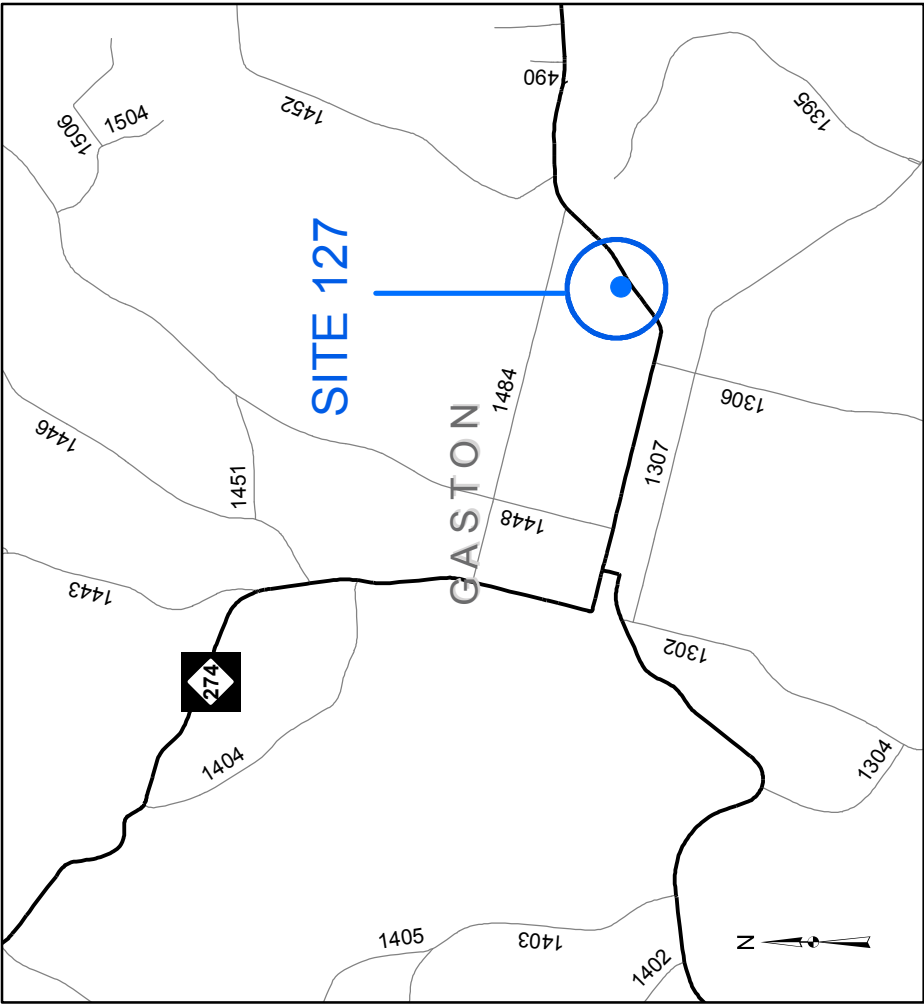


NC 274 (N. 14TH STREET) @ W. WASHINGTON AVE.

NC 274 (VIRGINIA AVE.) @ NC 274 (N. 14TH STREET)

NC 274 (VIRGINIA AVE.) @ 13TH STREET



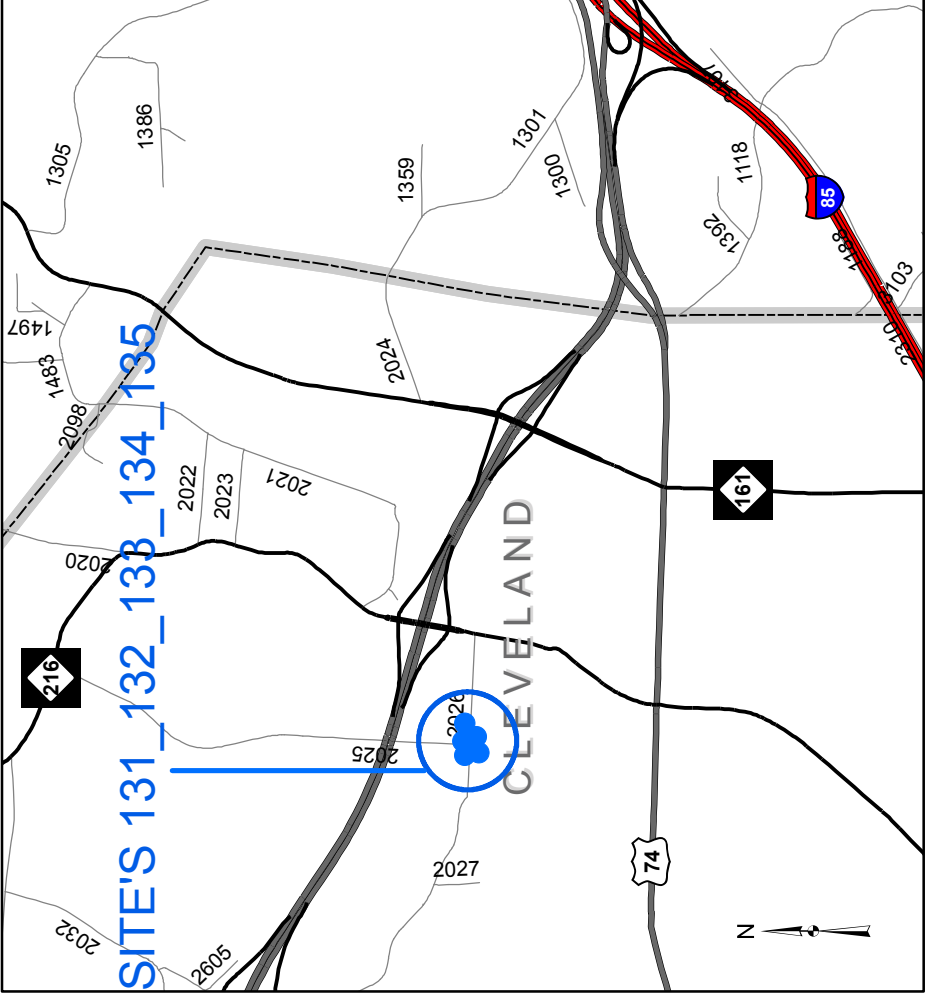
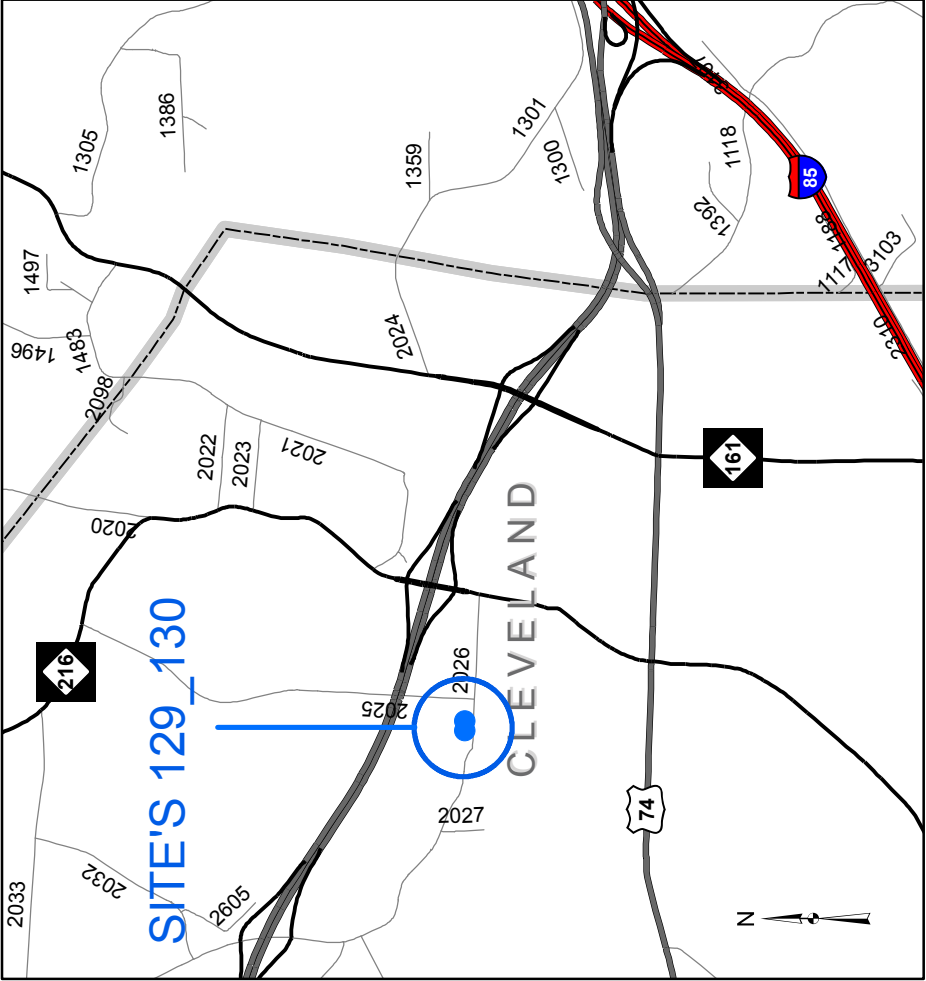
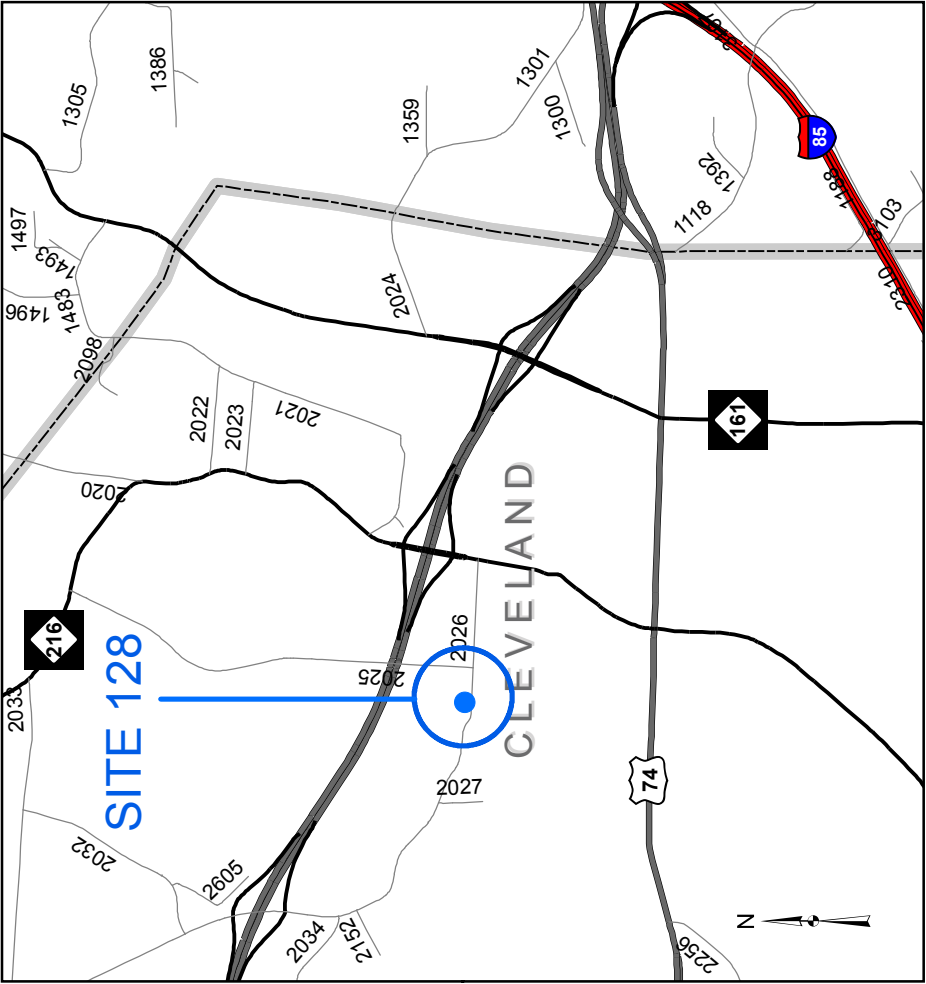


NC 274 (GASTON HWY) @ E. OHIO AVE

NC 274 (GASTON HWY) @ E. WASHINGTON AVE

NC 274 (VIRGINIA AVE.) @ 8TH STREET

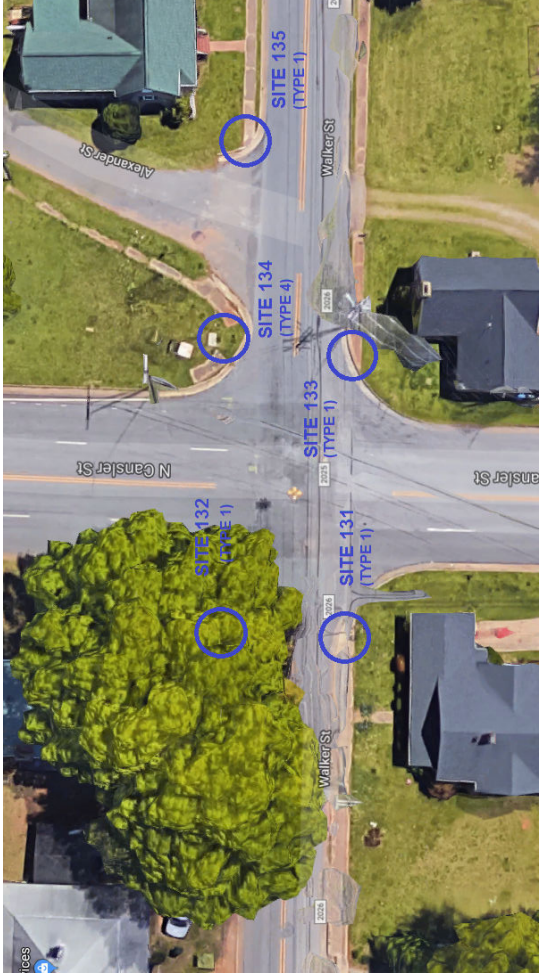




SR 2026 (WACO RD.) @ MICA STREET

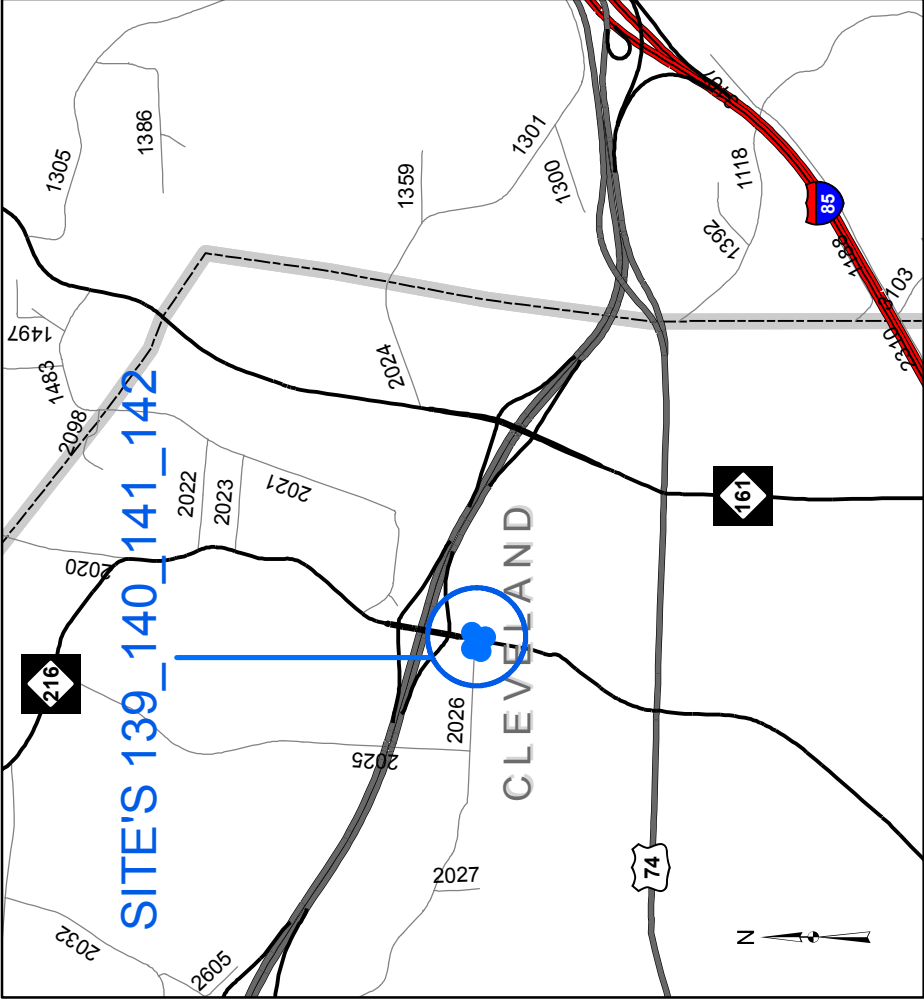
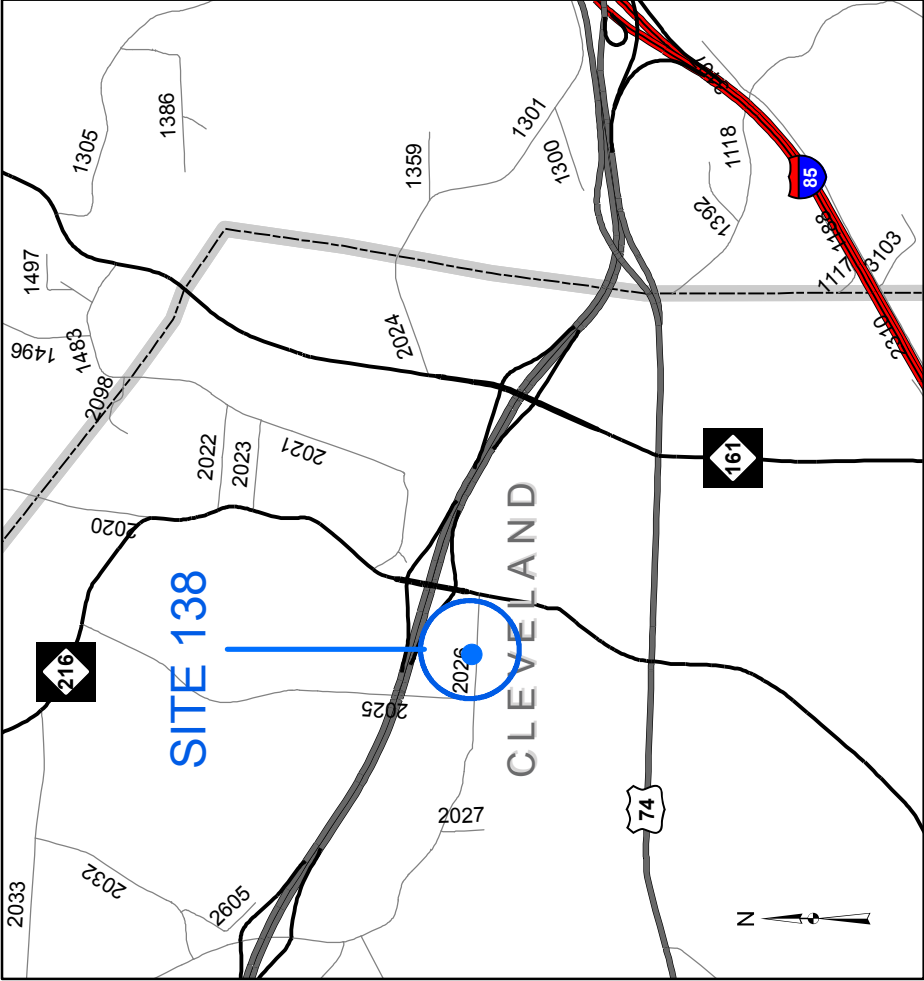
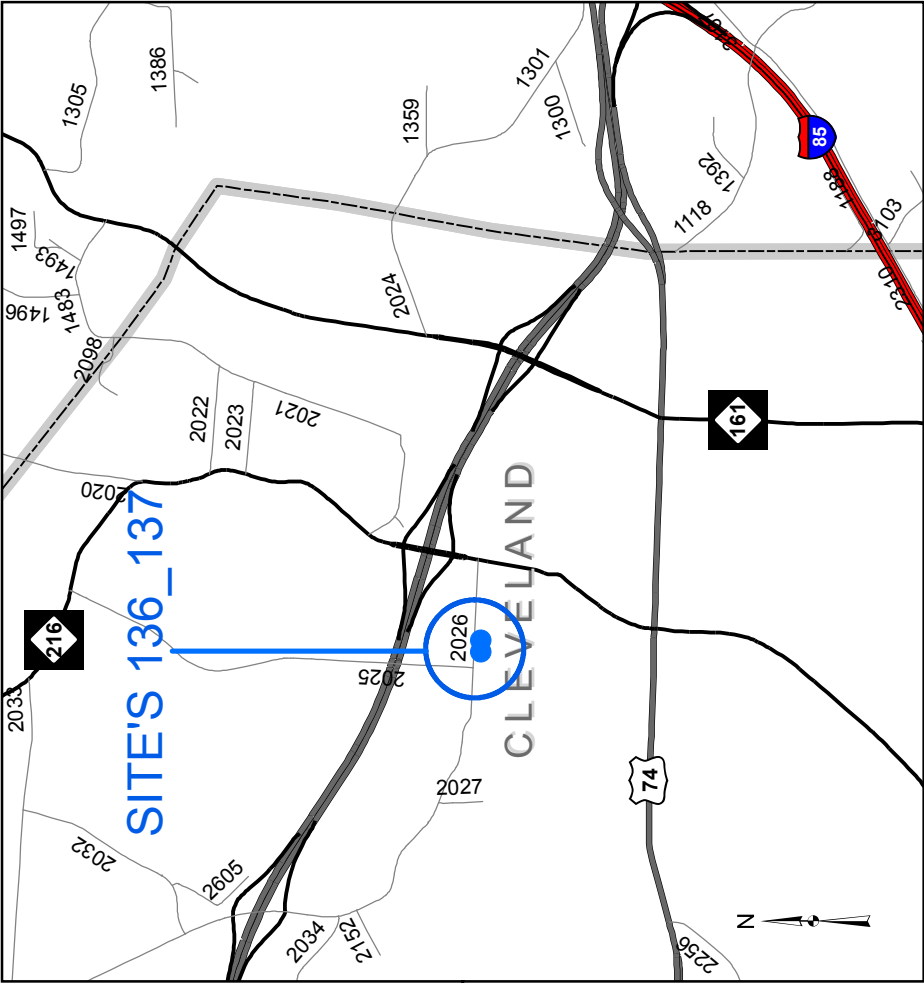


SR 2026 (WALKER STREET) @ TEMPLE STREET



SR 2026 (WALKER STREET) @ SR 2025 (N. CANSLER ST.) & ALEXANDER ST.





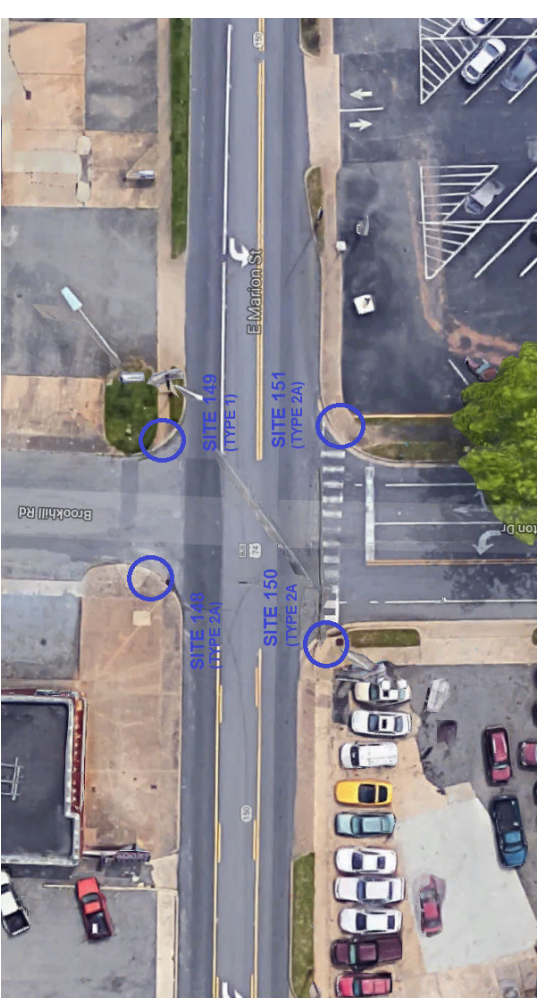
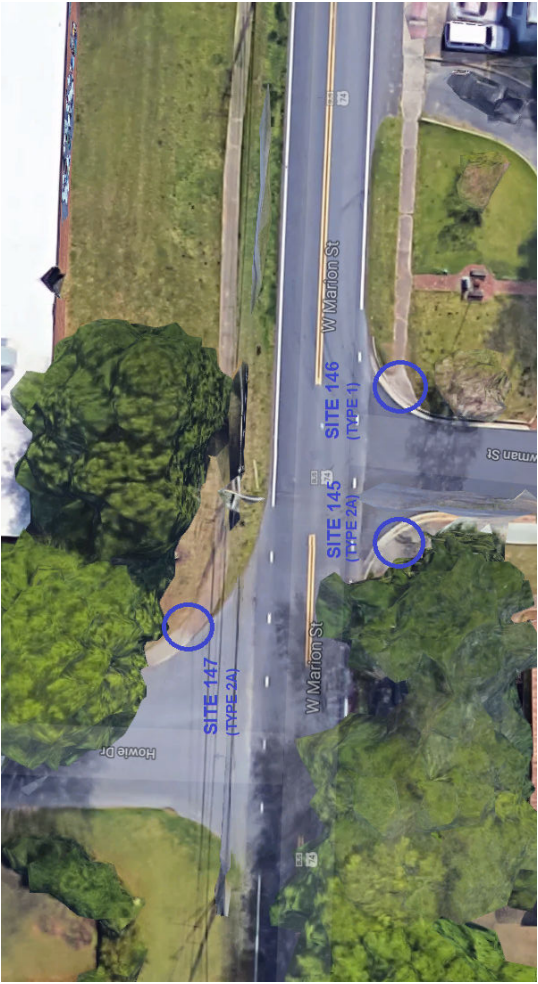
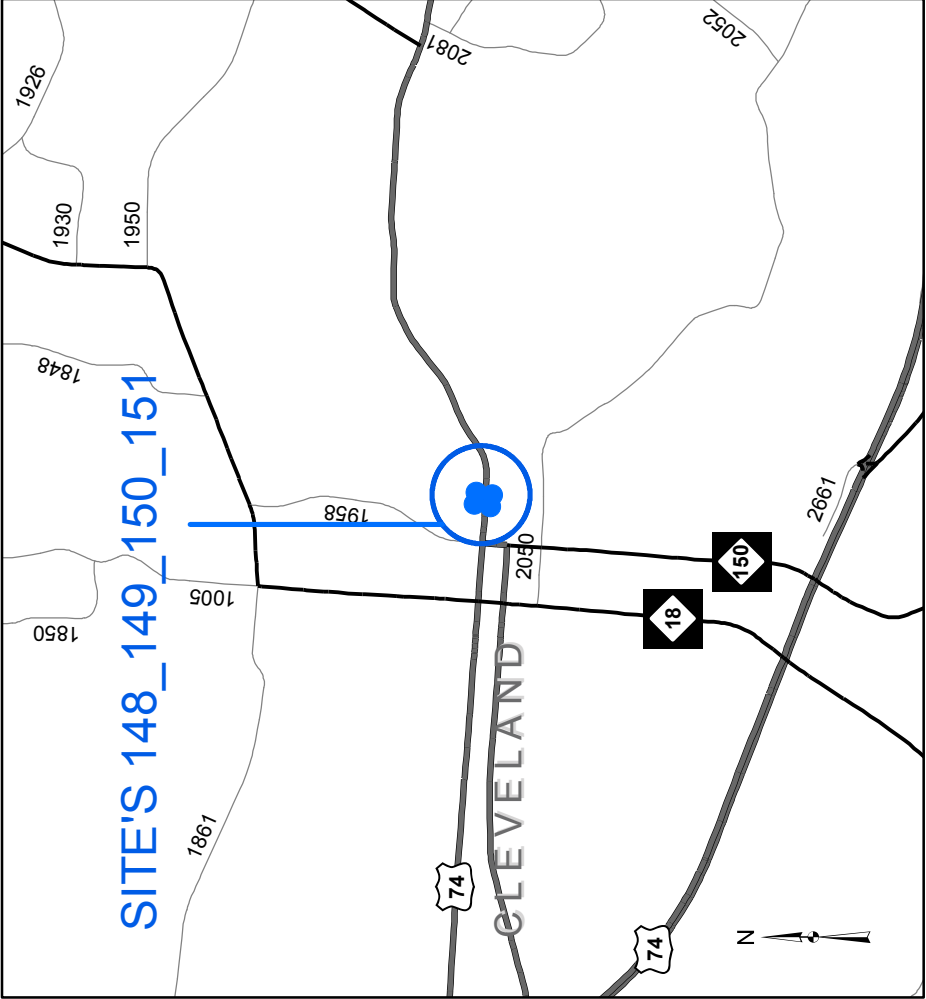
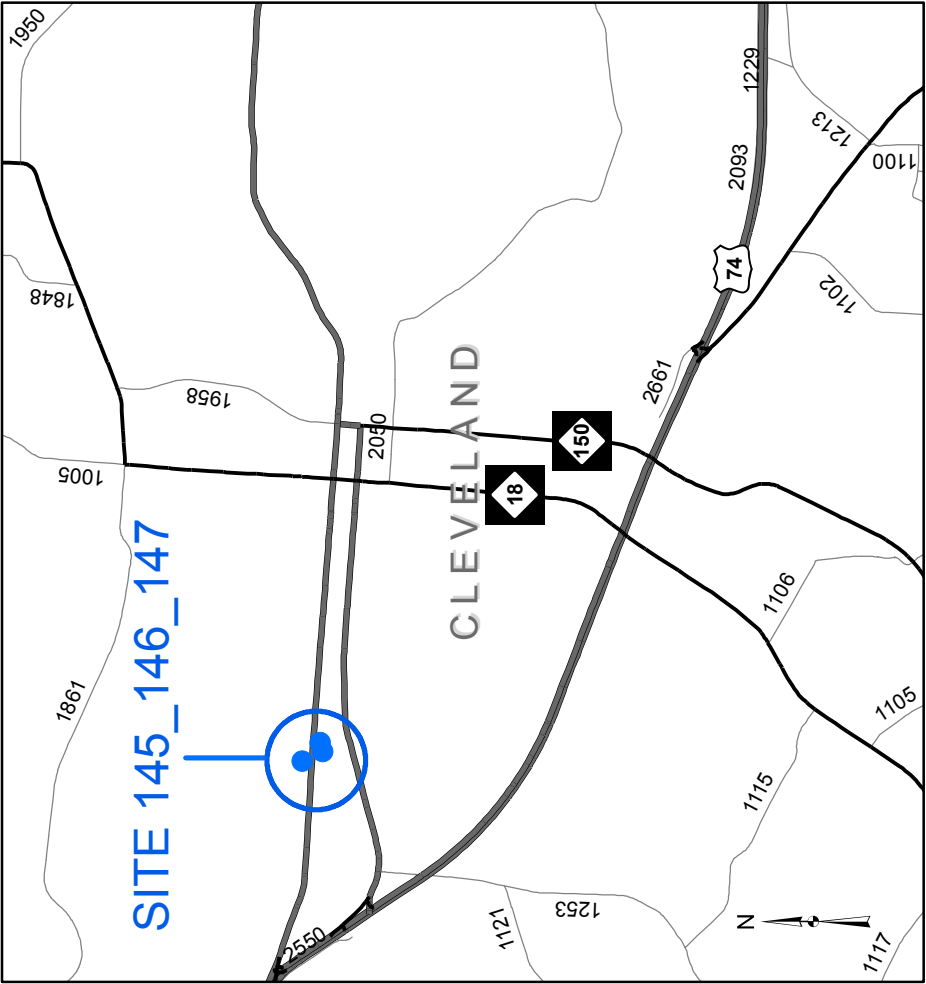
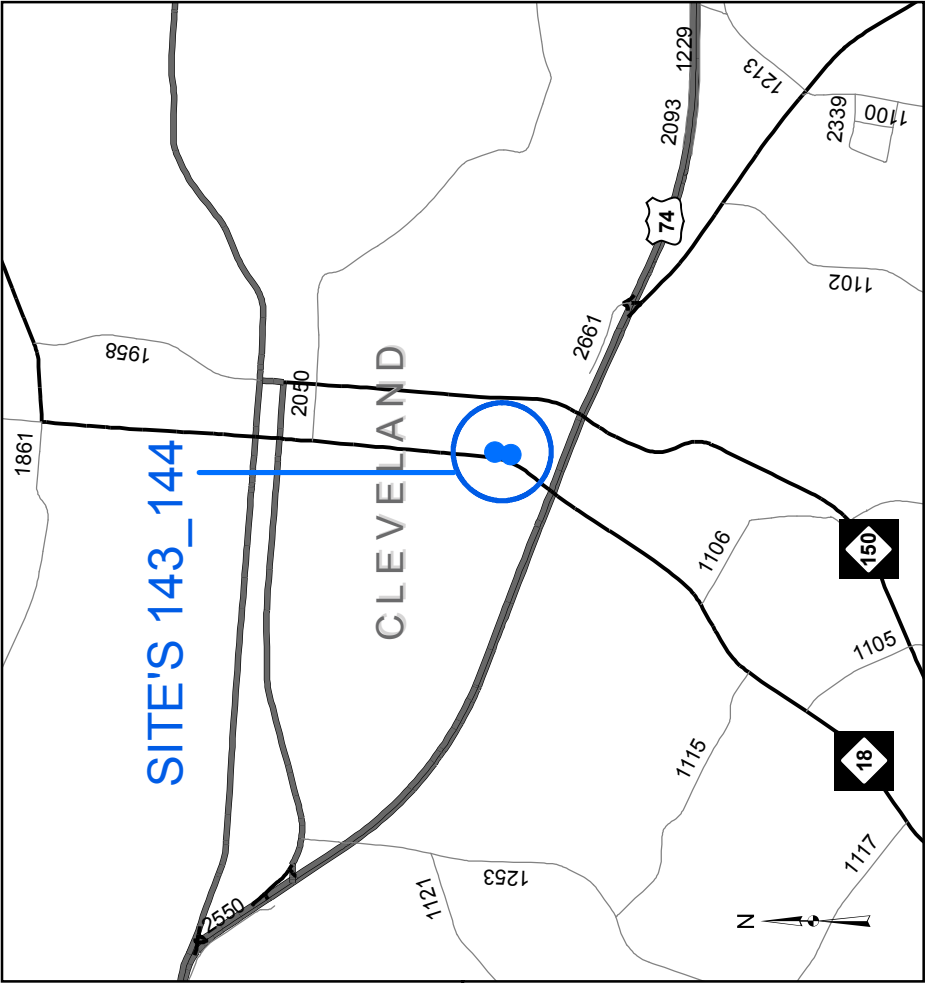
SR 2026 (WALKER STREET) @ N. CITY STREET



SR 2026 (WALKER STREET) @ GANTT STREET



SR 2026 (WALKER STREET) @ N. PIEDMONT AVE.

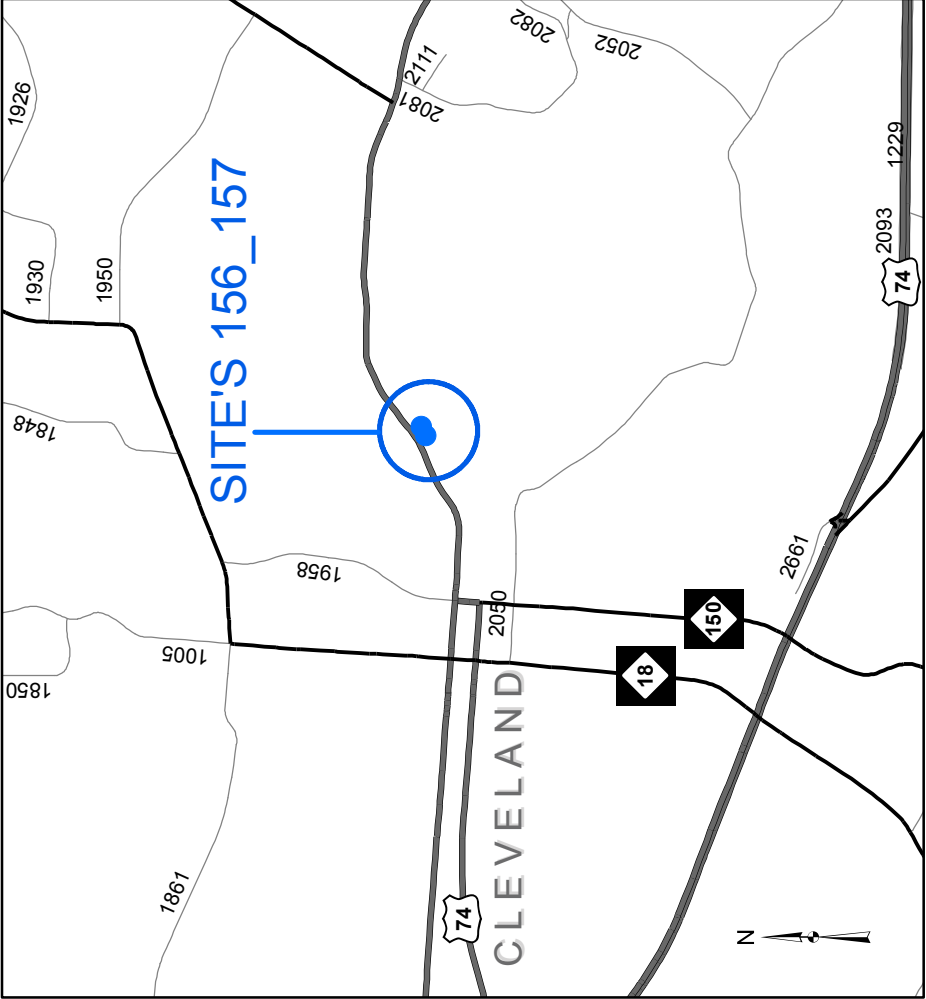
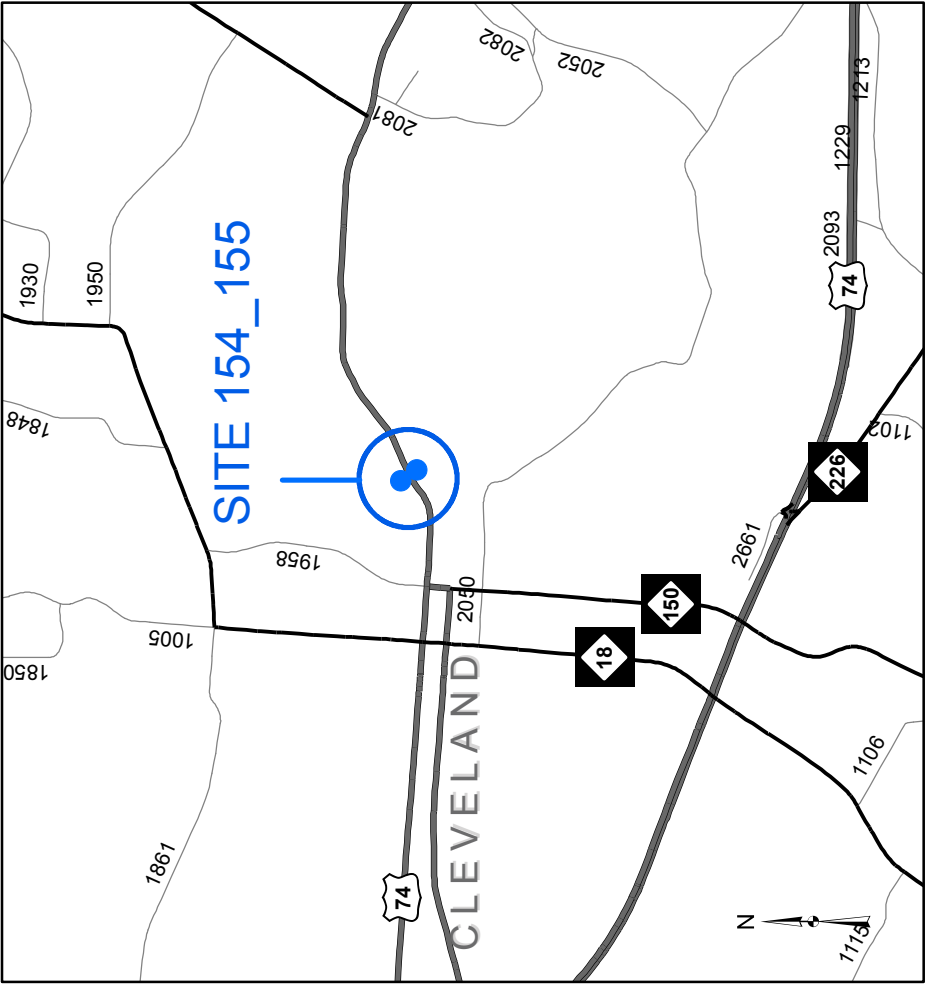
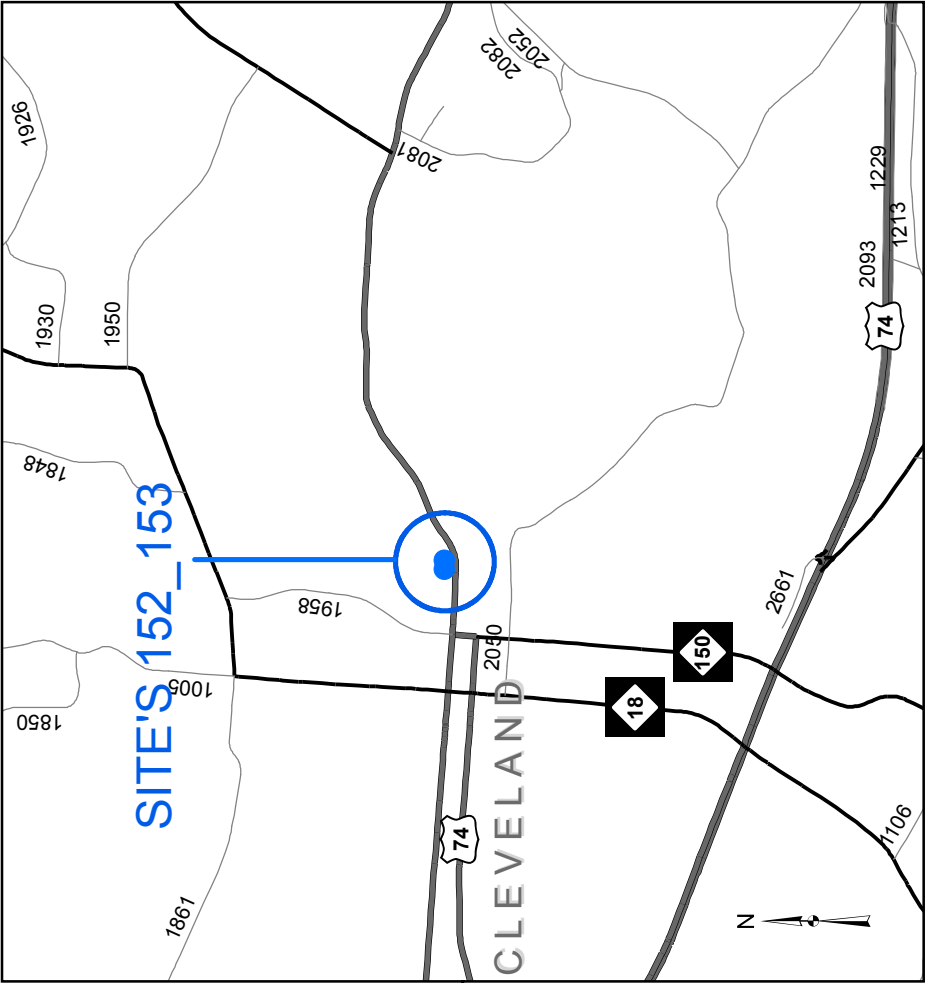


NC 18 (S. LAFAYETTE STREET) @ E.ELM STREET (NEAR AUTOZONE)

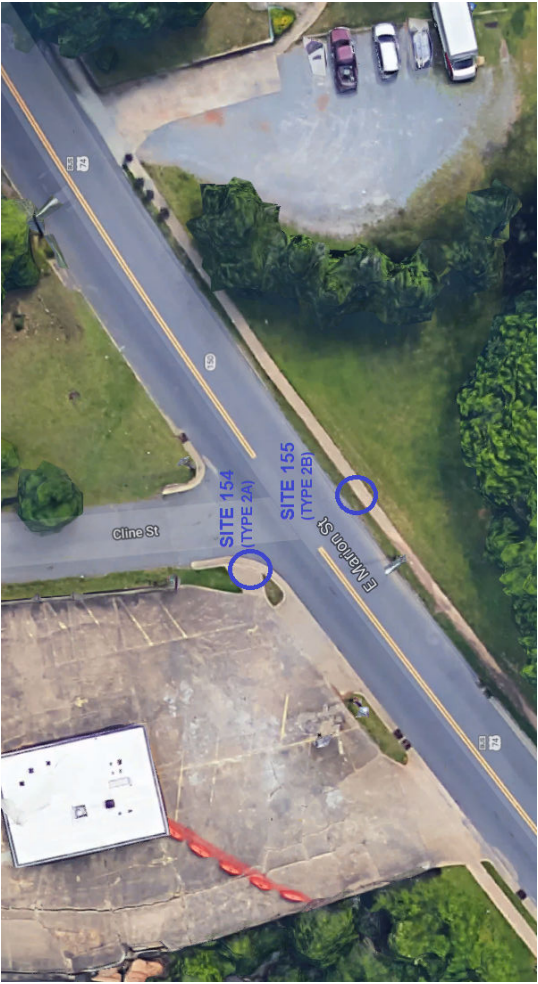
US 74 BUS (W. MARION ST.) @ BOWMAN ST. & HOWIE DR,

US 74 BUS (E. MARION ST.) @ BROOK HILL RD. (W. ENTRANCE) & PATTON DR.





US 74 BUS (E. MARION ST.) @ BROOK HILL RD. (EAST ENTRANCE)

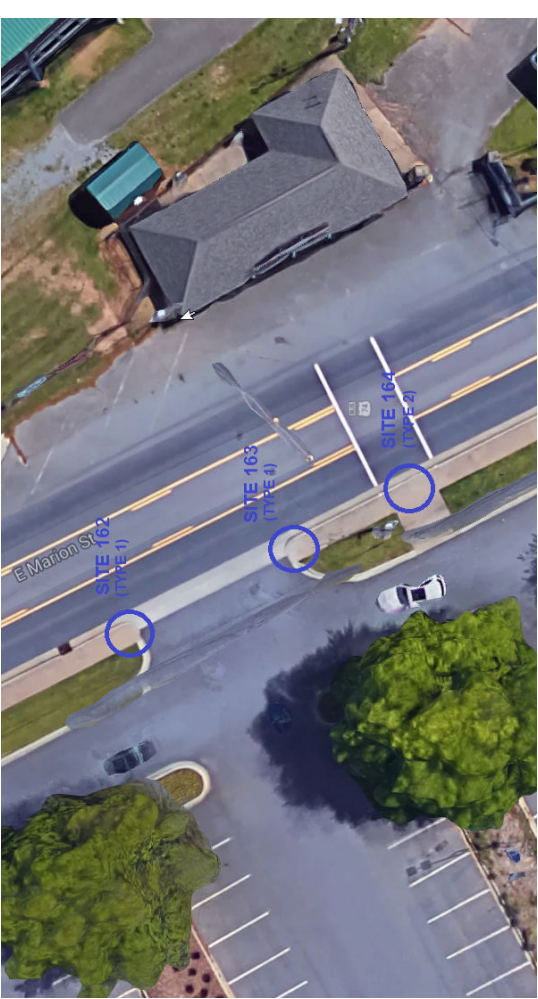
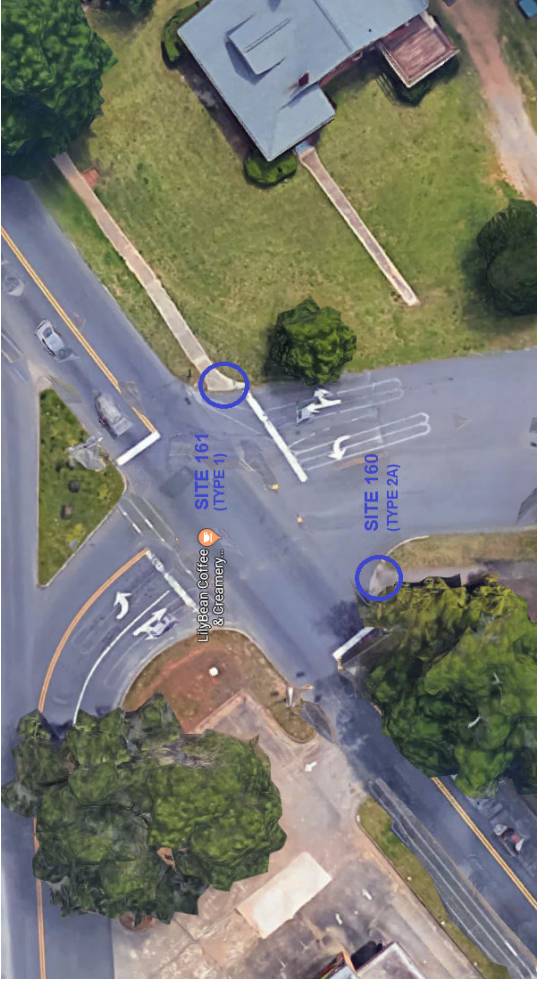
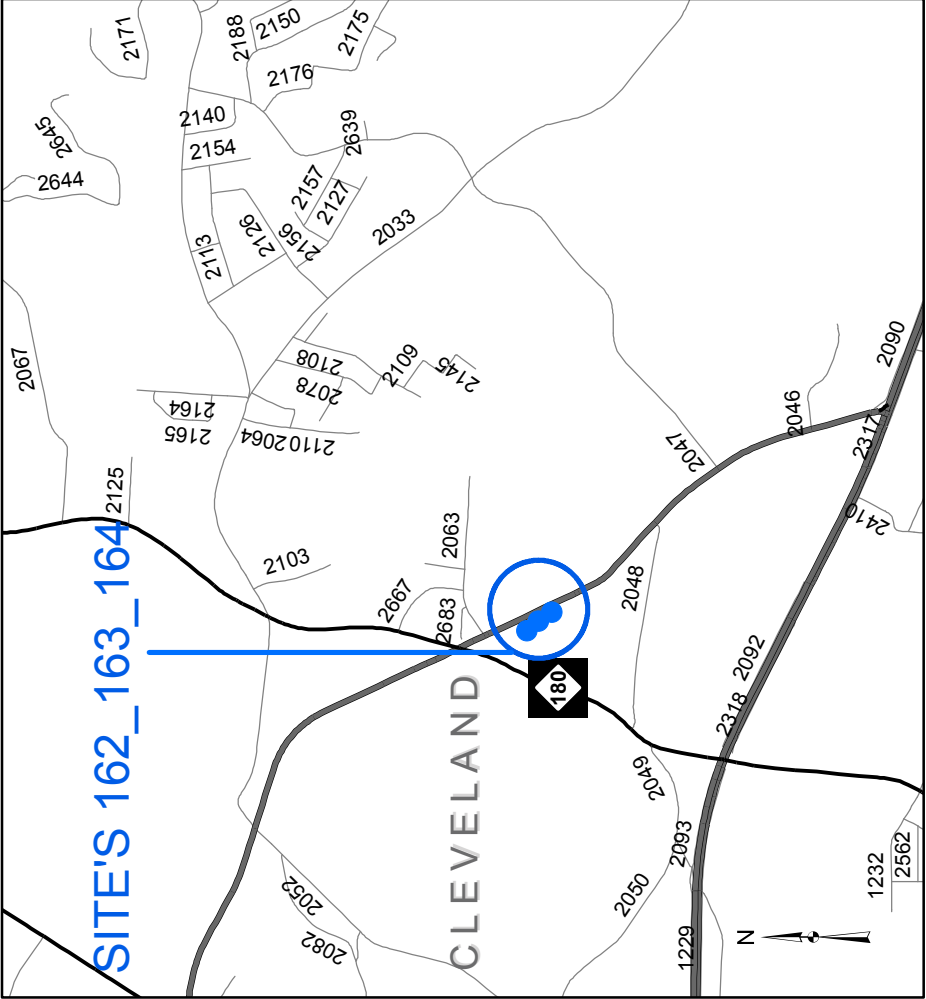
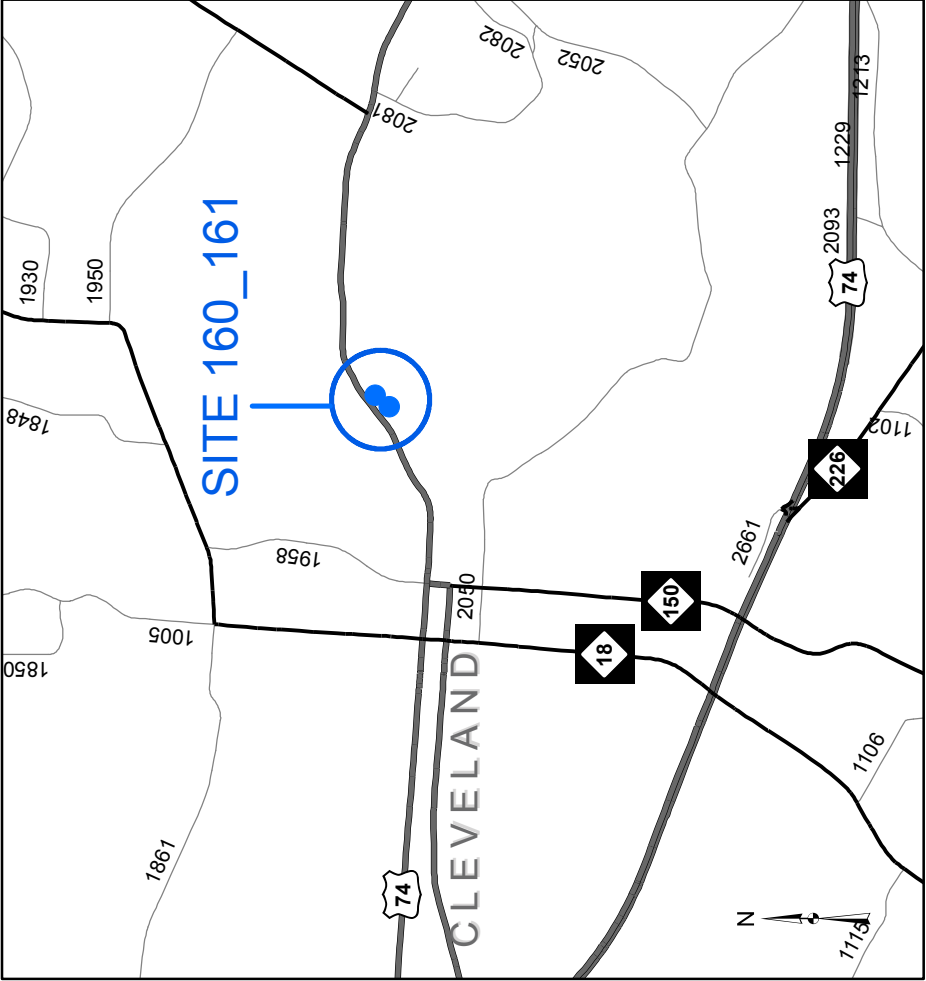
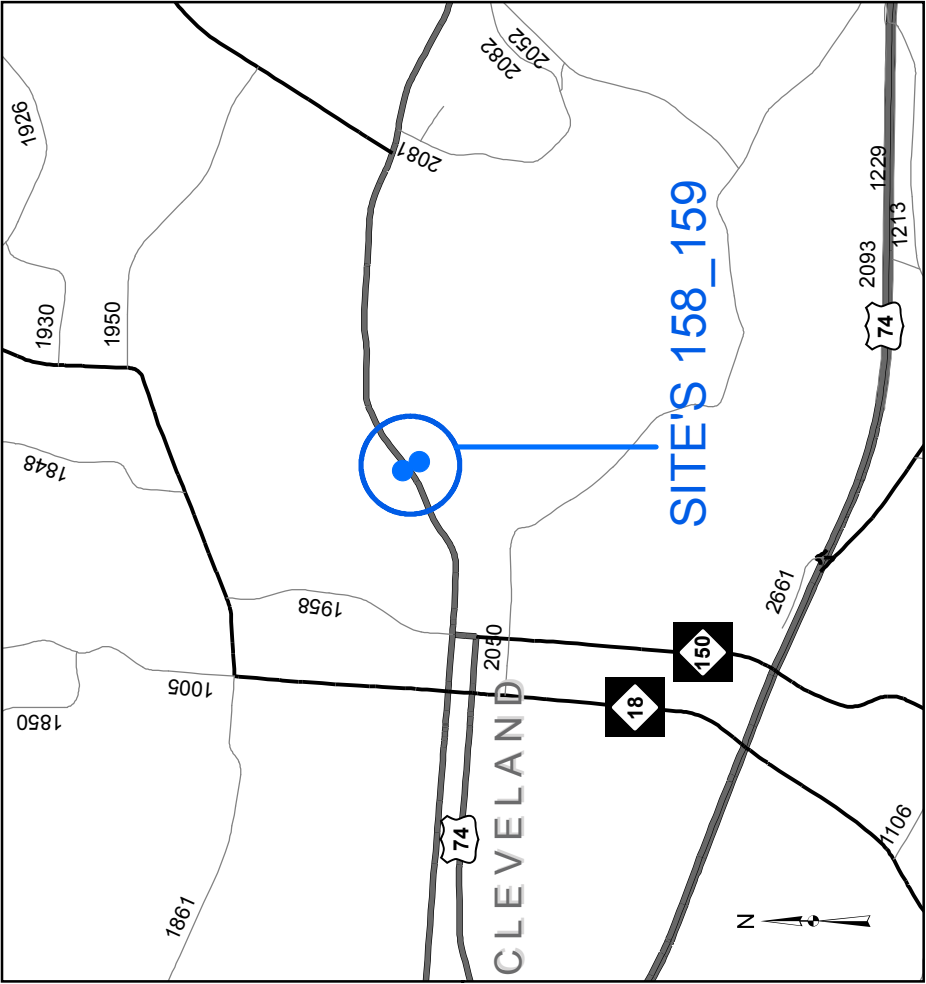


US 74 BUS (E. MARION ST.) @ CLINE STREET



US 74 BUS (E. MARION ST.) @ CHESTNUT STREET





US 74 BUS (E. MARION ST.) @ LINEBERGER STREET

US 74 BUS (E. MARION ST.) @ BELVEDEERE AVE.

US 74 BUS (E. MARION ST.) @ ENTRANCE TO BAILEY CENTER & CROSS WALK AT CLEVELAND CNTY FAIRGROUNDS



SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES										Proj. #	R-5792AA & AF	
										Sheet	26	
Sheet #	Division	County	Municipality	Under 5k Population? (Y/N)	WBS No.	Major Route	Minor Route	Curb Ramps (EA)	Retrofit Existing Concrete Curb Ramp (EA)	Remove and Replace Existing Curb Ramp (EA)	Site #	Comments
4	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (GASTON AVE)	BOYD STREET			2	1_2	(2) STD. 848.06
4	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (GASTON AVE)	SCRUGGS STREET			4	3_4_5_6	(3) TYPE 1, (1) 2A
4	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (GASTON AVE)	VANCE STREET			4	7_8_9_10	(4) TYPE 1
5	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (GASTON AVE)	FIRSTONE STREET			5	11_12_13_14	(1) TYPE 1, (1) TYPE 4, (2) TYPE 2A
5	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (GASTON AVE)	RANSOM STREET			5	15_16_17_18	(2) TYPE 1, (1) TYPE 2A, (1) TYPE 4A
5	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (GASTON AVE)	W. AIRLINE AVENUE			1	19	(1) TYPE 1
5	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (W. AIRLINE AVE)	N. WELDON STREET			4	20_21_22	(1) TYPE 1, (1) TYPE 1B, (1) TYPE 4A
6	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (W. AIRLINE AVE)	N. KING STREET			2	23_24	(2) TYPE 2A
6	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (W. AIRLINE AVE)	N. HIGHLAND STREET			3	25_26_27	(2) TYPE 2A, (1) TYPE 2B
6	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (W. AIRLINE AVE)	N. TRENTON STREET			2	28_29	(1) TYPE 2A, (1) TYPE 2B
7	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (W. AIRLINE AVE)	N. PRYOR STREET			2	30_31	(1) TYPE 1, (1) TYPE 2A
7	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (W. AIRLINE AVE)	N. CHERRY STREET			2	32_33	(2) TYPE 2A
7	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (W. AIRLINE AVE)	N. MORRIS STREET			2	34_35	(2) TYPE 2A
8	12	GASTON	GASTONIA	N	44922.3.10	SR 1339 (W. AIRLINE AVE)	N. BOYCE STREET			2	36_37	(2) TYPE 2A
8	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	W. THIRD AVENUE			1	38	(1) TYPE 1
8	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	W. ROBINSON STREET			2	39_40	(2) TYPE 1
8	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	S. WEBB STREET			4	41_42_43_44	(4) TYPE 2A
9	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	FLOYD LANE			2	45_46	(2) TYPE 2A
9	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	S. VANCE STREET			2	47_48	(2) TYPE 1
9	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	S. OVERHILL STREET			2	49_50	(1) TYPE 1, (1) TYPE 2A
9	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	S. DALTON STREET			1	51	(1) TYPE 1
9	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	S. WELDON STREET			4	52_53_54	(1) TYPE 1, (1) TYPE 2A, (1) TYPE 4
10	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	S. PARAMOUNT CIRCLE			2	55_56	(2) TYPE 1
10	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	ATHENIAN STREET			3	57_58	(1) TYPE 1, (1) TYPE 4
10	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	TRENTON STREET			1	59	(1) TYPE 2A
10	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	S. CLAY STREET			2	60_61	(1) TYPE 1, (1) TYPE 2A
11	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	JACKSON STREET			6	62_63_64_65	(1) TYPE 1, (1)TYPE 2A, (2) TYPE 4
11	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	S. LEE STREET			2	66_67	(2) TYPE 2A
11	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	S. NEIL STREET			2	68_69	(2) TYPE 2A
12	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	MARIETTA STREET			2	70_71	(2) TYPE 2A
12	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	NC 274 (UNION ROAD)			2	72_73	(2) TYPE 1
12	12	GASTON	GASTONIA	N	44922.3.10	SR 2466 (GARRISON BLVD)	S. OAK STREET			2	74_75	(2) TYPE 1
13	12	GASTON	GASTONIA	N	44922.3.10	NC 279 (NEW HOPE ROAD)	DIXON ROAD			2	76_77	(2) TYPE 2A
13	12	GASTON	GASTONIA	N	44922.3.10	NC 279 (NEW HOPE ROAD)	BABINGTON DR. (PARTNERS BEHAVIORAL HEALTH CLINIC)			2	78_79	(1) TYPE 1, (1) TYPE 2A
13	12	GASTON	GASTONIA	N	44922.3.10	NC 279 (NEW HOPE ROAD)	ARMSTRONG CIRCLE			2	80_81	(2) TYPE 1
13	12	GASTON	GASTONIA	N	44922.3.10	NC 279 (NEW HOPE ROAD)	SR 2457 (ROBINWOOD ROAD)			2	82_83	(1) 848.06, (1) TYPE 1
14	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	BABINGTON DR.			2	84_85	(2) TYPE 1
14	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	COVENANT DRIVE (COVENANT VILLAGE ENTRANCE)			2	86_87	(2) 848.06
14	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	HILLGATE AVENUE			2	88_89	(2) TYPE 1
15	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	LAUREL LANE			2	90_91	(2) TYPE 1
15	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	QUAIL WOODS ROAD (NORTH ENTRANCE)			2	92_93	(1) TYPE 1, (1) TYPE 1A
15	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	ROBINWOOD VILLAGE DRIVE			2	94_95	(1) TYPE 1, (1) TYPE 2A
16	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	QUAIL WOODS ROAD (SOUTH ENTRANCE)			2	96_97	(2) TYPE 1
16	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	HUDSON OAKS DRIVE ENTRANCE			2	98-99	(2) TYPE 1
16	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	HUDSON WOODS DRIVE ENTRANCE			2	100_101	(2) TYPE 1
17	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	ARMY NATIONAL GUARD ENTRANCE			2	102_103	(2) TYPE 1
17	12	GASTON	GASTONIA	N	44922.3.10	SR 2457 (ROBINWOOD ROAD)	SR 2446 (HOFFMAN ROAD)			2	104_105	(1) TYPE 1, (1) TYPE 2A
17	12	GASTON	CHERRYVILLE	N	44922.3.10	NC 150 (CHURCH ST)	HICKS STREET			2	106_107	(2) type 1
18	12	GASTON	CHERRYVILLE	N	44922.3.10	NC 150 (CHURCH ST)	PINK STREET			4	108_109_110	(1) TYPE 1, (1) TYPE 2A, (1) TYPE 4
18	12	GASTON	CHERRYVILLE	N	44922.3.10	NC 150 (CHURCH ST)	HOYLE STREET			1	111	(1) 848.06
18	12	GASTON	BESSEMER CITY	N	44922.3.10	NC 274 (N. 14TH STREET)	W. MARYLAND AVENUE			4	112_113_114	(2) TYPE 1, (1) TYPE 4A
19	12	GASTON	BESSEMER CITY	N	44922.3.10	NC 274 (N. 14TH STREET)	W. WASHINGTON AVENUE			4	115_116_117	(1) TYPE 1, (1) TYPE 1B, (1) TYPE 4A
19	12	GASTON	BESSEMER CITY	N	44922.3.10	NC 274 (VIRGINIA AVENUE)	NC 274 (N. 14TH STREET)			2	118_119	(2) TYPE 1B
19	12	GASTON	BESSEMER CITY	N	44922.3.10	NC 274 (VIRGINIA AVENUE)	13TH STREET			3	120_121_122	(3) TYPE 1
20	12	GASTON	BESSEMER CITY	N	44922.3.10	NC 274 (VIRGINIA AVENUE)	8TH STREET			2	123_124	(2) TYPE 1
20	12	GASTON	BESSEMER CITY	N	44922.3.10	NC 274 (GASTON HWY)	E. WASHINGTON AVENUE			2	125_126	(2) TYPE 1
20	12	GASTON	BESSEMER CITY	N	44922.3.10	NC 274 (GASTON HWY)	E. OHIO AVENUE			1	127	(1) TYPE 1

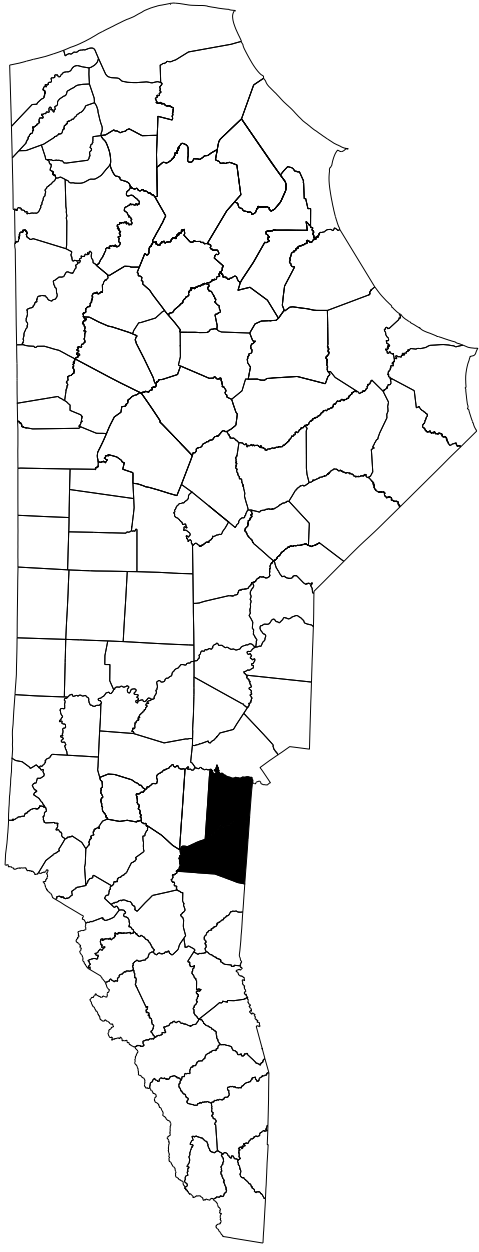
SUMMARY OF QUANTITIES

										Proj. #	R-5792AA & AF	
										Sheet	27	
Sheet #	Division	County	Municipality	Under 5k Population? (Y/N)	WBS No.	Major Route	Minor Route	Curb Ramps (EA)	Retrofit Existing Concrete Curb Ramp (EA)	Remove and Replace Existing Curb Ramp (EA)	Site #	Comments
21	12	CLEVELAND	KINGS MTN	N	44922.3.6	SR 2026 (WACO ROAD)	MICA STREET			1	128	(1) TYPE 1
21	12	CLEVELAND	KINGS MTN	N	44922.3.6	SR 2026 (WALKER STREET)	TEMPLE STREET			2	129_130	(2) TYPE 1
21	12	CLEVELAND	KINGS MTN	N	44922.3.6	SR 2026 (WALKER STREET)	SR 2025 (N. CANSLER STREET)			5	131_132_133_134	(3) TYPE 1, (1) TYPE 4
21	12	CLEVELAND	KINGS MTN	N	44922.3.6	SR 2026 (WALKER STREET)	ALEXANDER STREET			1	135	(1) TYPE 1
22	12	CLEVELAND	KINGS MTN	N	44922.3.6	SR 2026 (WALKER STREET)	N. CITY STREET			2	136_137	(1) TYPE 1, (1) TYPE 2A
22	12	CLEVELAND	KINGS MTN	N	44922.3.6	SR 2026 (WALKER STREET)	GANTT STREET			1	138	(1) TYPE 1
22	12	CLEVELAND	KINGS MTN	N	44922.3.6	SR 2026 (WALKER STREET)	N. PIEDMONT AVE			6	139_140_141_142	(2) TYPE 2B, (2) TYPE 4
23	12	CLEVELAND	SHELBY	N	44922.3.6	NC 18 (S. LAFAYETTE STREET)	E. ELM STREET (NEAR AUTOZONE)			2	143_144	(2) TYPE 1
23	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (W. MARION STREET)	BOWMAN STREET			2	145_146	(1) TYPE 1, (1) TYPE 2A
23	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (W. MARION STREET)	HOWIE DRIVE			1	147	(1) TYPE 2A
23	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (E. MARION STREET)	BROOK HILL ROAD (WEST ENTRANCE)			3	148_149	(1) TYPE 2A, (1) TYPE 1
23	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (E. MARION STREET)	PATTON DRIVE			2	150_151	(2) TYPE 2A
24	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (E. MARION STREET)	BROOK HILL ROAD (EAST ENTRANCE)			2	152_153	(2) TYPE 1
24	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (E. MARION STREET)	CLINE STREET			2	154_155	(1) TYPE 2A, (1) TYPE 2B
24	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (E. MARION STREET)	CHESTNUT STREET			2	156_157	(2) TYPE 1
25	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (E. MARION STREET)	LINEBERGER STREET			2	158_159	(1) TYPE 1, (1) TYPE 2B
25	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (E. MARION STREET)	BELVEDEERE AVENUE			2	160-161	(1) TYPE 1, (1) TYPE 2A
25	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (E. MARION STREET)	ENTRANCE TO BAILEY CENTER			2	162_163	(2) TYPE 1
25	12	CLEVELAND	SHELBY	N	44922.3.6	US 74 BUSINESS (E. MARION STREET)	CROSS WALK AT CLEVELAND COUNTY FAIRGROUNDS			1	164	(1) TYPE 2
							TOTAL	0	0	178	164	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

CLEVELAND AND GASTON COUNTIES



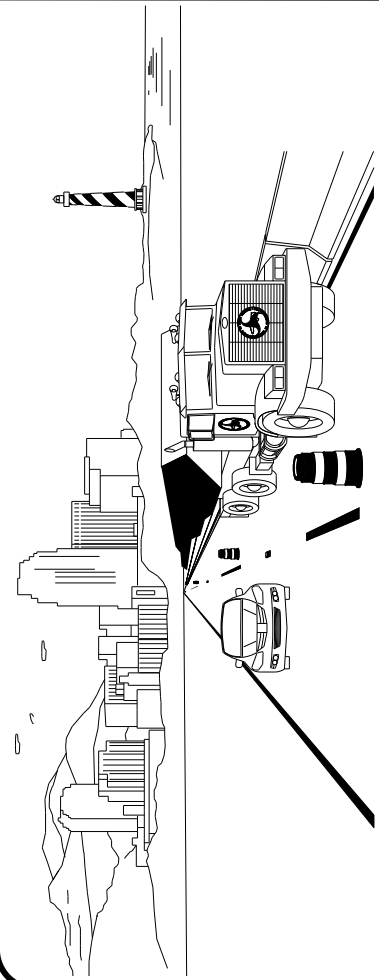
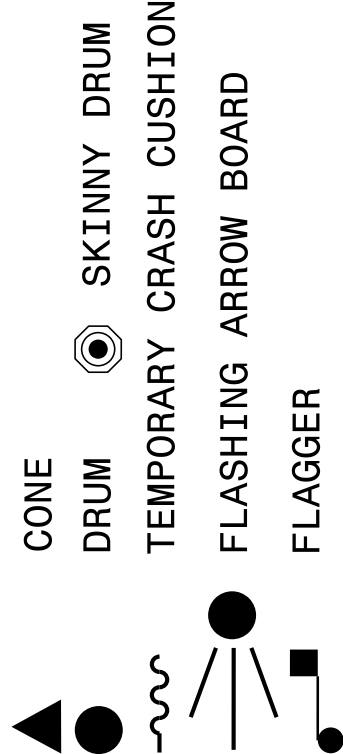
ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUM
1135.01	CONES
1150.01	FLAGGING DEVICES
1180.01	SKINNY-DRUM

LEGEND

TRAFFIC CONTROL DEVICES



WORK ZONE SAFETY & MOBILITY
"from the MOUNTAINS to the COAST"



INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND AND INDEX OF SHEETS
TMP-1B	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES)

TIP PROJECT: R-5792AA & AF

TMP-1

SHEET NO.

GENERAL NOTES /
LOCAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
I. ANY US OR NC ROUTE	MONDAY - FRIDAY: 7:00 A.M. - 9:00 A.M. 4:00 P.M. - 6:00 P.M.

B) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME

ANY ROAD

HOLIDAY

- I. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 9:00 A.M. DECEMBER 31st TO 4:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 A.M. THE FOLLOWING TUESDAY.
3. FOR EASTER, BETWEEN THE HOURS OF 9:00 A.M. THURSDAY AND 4:00 P.M. MONDAY.
4. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 9:00 A.M. FRIDAY TO 4:00 P.M. TUESDAY.
5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 9:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 4:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 9:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 4:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
6. FOR LABOR DAY, BETWEEN THE HOURS OF 9:00 A.M. FRIDAY AND 4:00 P.M. TUESDAY.
7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 9:00 A.M. TUESDAY TO 4:00 P.M. MONDAY.
8. FOR CHRISTMAS, BETWEEN THE HOURS OF 9:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 4:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- B) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- E) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- F) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- G) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- H) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.



TRANSPORTATION
OPERATIONS
PLAN