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09/08/99

CONTRACT: DL00215 TIP PROJECT: R-5792AL & AQ

$$$$$$$SYSTIME$$$$$$
$$$$$$$$$$$$$$$DGN$$$$$$$$$$$$$$$
$$$$$$USERNAME$$$$

See Sheet 1A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

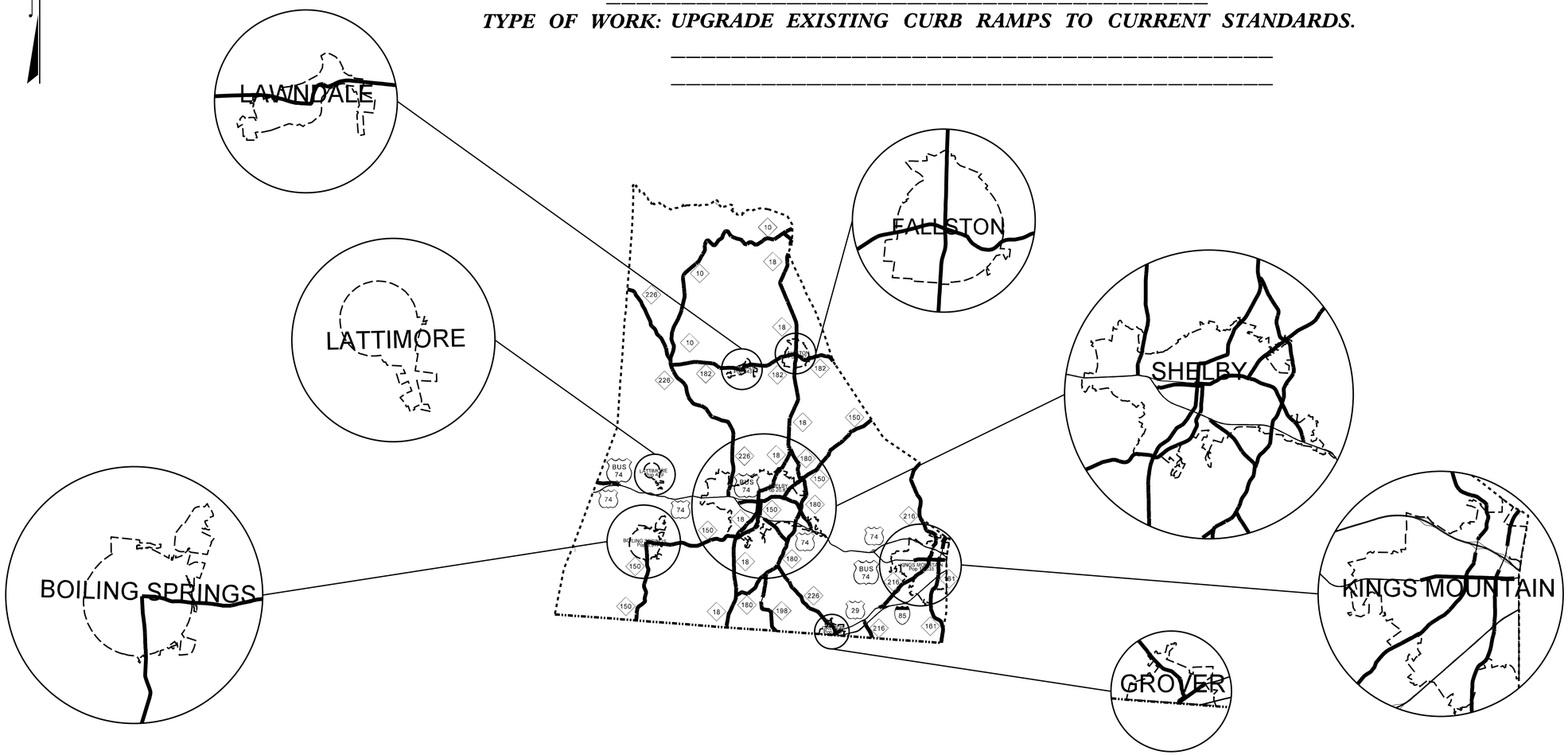
CLEVELAND COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5792AL & AQ	1	39

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
44922.1.17	TAP-1229 (037)	PE < 5,000
44922.3.17	TAP-1229 (037)	CONST. CLEV. < 5,000
44922.1.22	TAP-1229 (042)	PE > 5,000
44922.3.22	TAP-1229 (042)	CONST. CLEV. > 5,000

LOCATION: VARIOUS THROUGHOUT: BOILING SPRINGS, LATTIMORE, FALLSTON, GROVER, LAWNDALE, KINGS MOUNTAIN, SHELBY.

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



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:
MAY 23TH, 2023

C. BLAKE GUFFEY
PROJECT ENGINEER

BARRY BINGHAM, PE
PROJECT DESIGN ENGINEER

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

8/17/99

PROJECT REFERENCE NO.	SHEET NO.
R-5792AL & AQ	1A

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
2B-1 THRU 2B-4	SPECIAL DETAILS
2C-1 THRU 2C-2	SUMMARY OF QUANTITIES
4 THRU 32	PLAN SHEETS
TMP-1 THRU TMP-1A	TRAFFIC MANAGEMENT PLANS

GENERAL NOTES: 2018 SPECIFICATIONS

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.05, 848.06, & SPECIAL DETAILS.

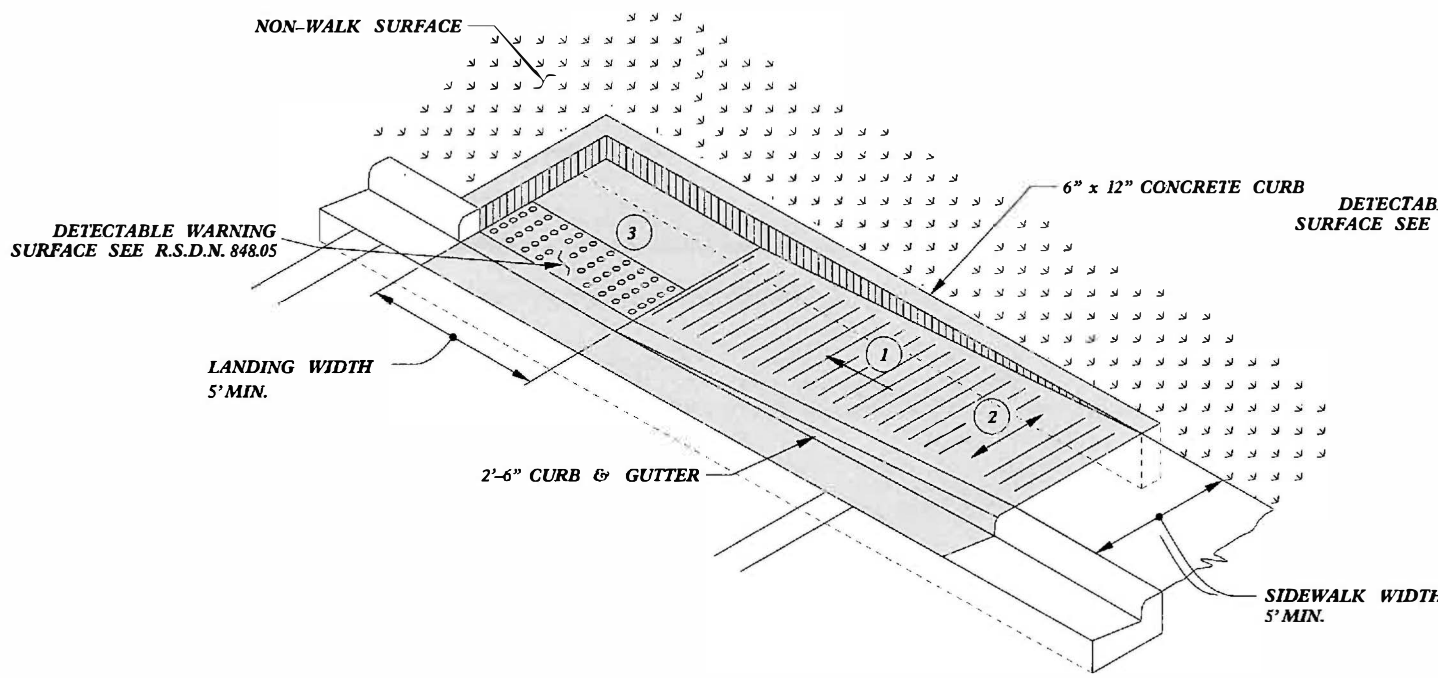
2018 ROADWAY ENGLISH STANDARD DRAWINGS

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:

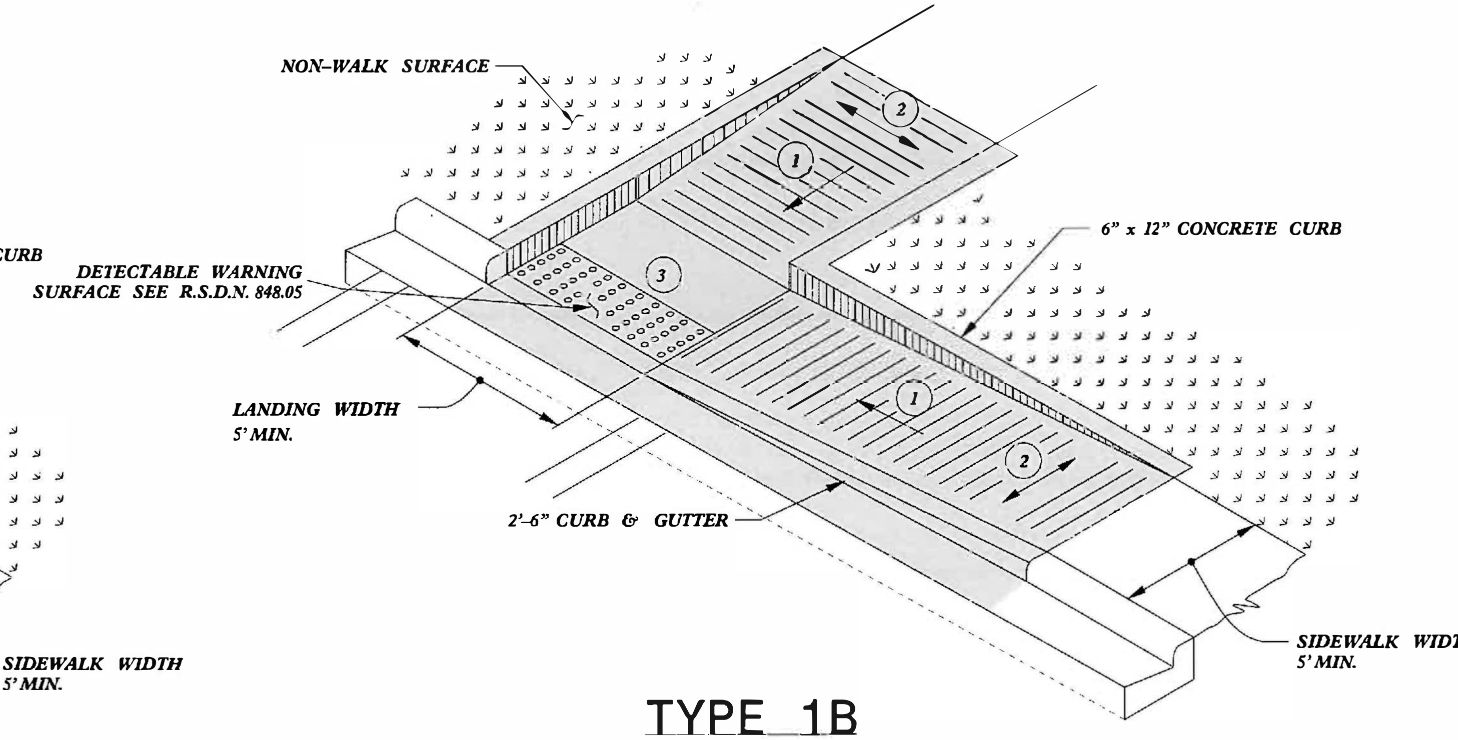
STD.NO.	TITLE
DIVISION 8 - INCIDENTALS	
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
848.05	Curb Ramp - Proposed Curb & Gutter
848.06	Curb Ramp - Existing Curb & Gutter

$$$$$$$SYSTIME$$$$$
$$$$$$$JOB$$$$$$$$$$$$$$$$$$$$
$$$$$$$USERNAME$$$$$$$$$$$$$$$$

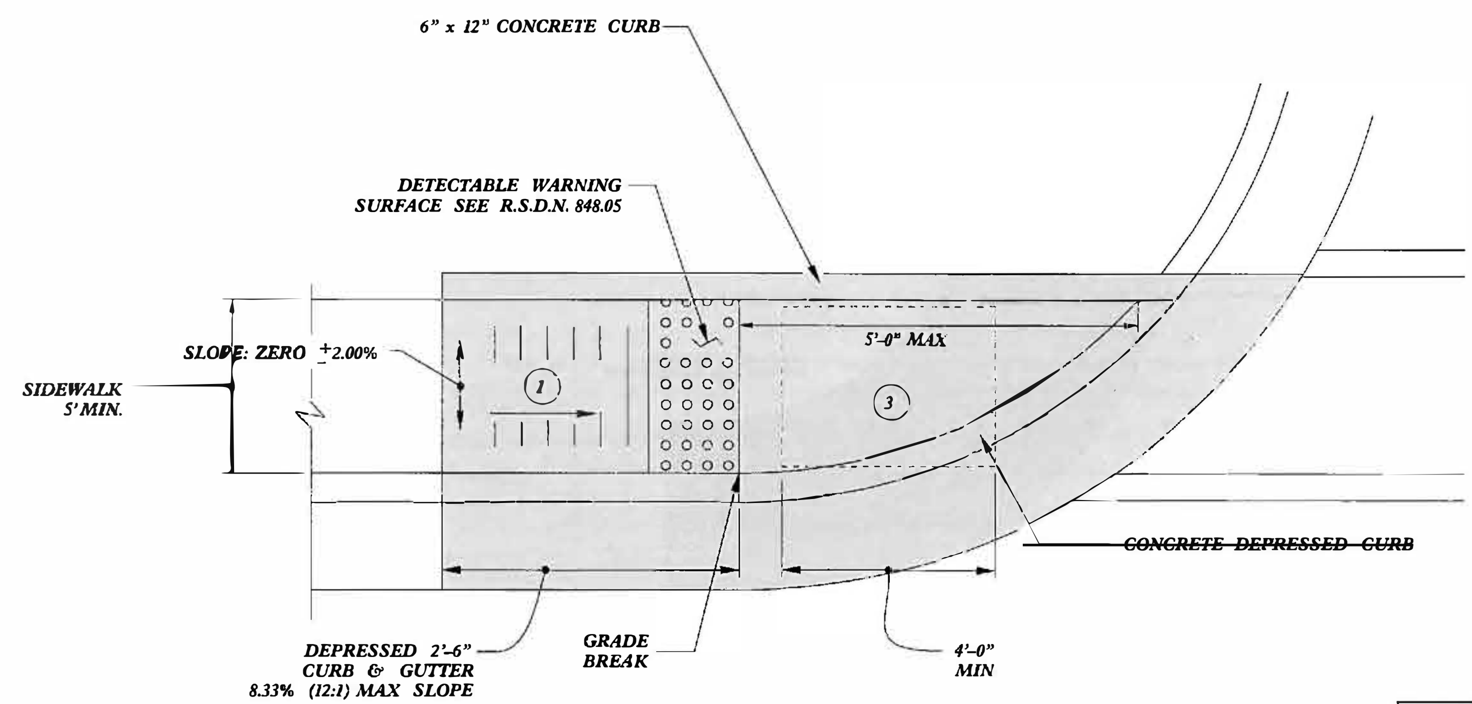
PROJECT REFERENCE NO.	SHEET NO.
R-5792AL & AQ	2B-1



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.*

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

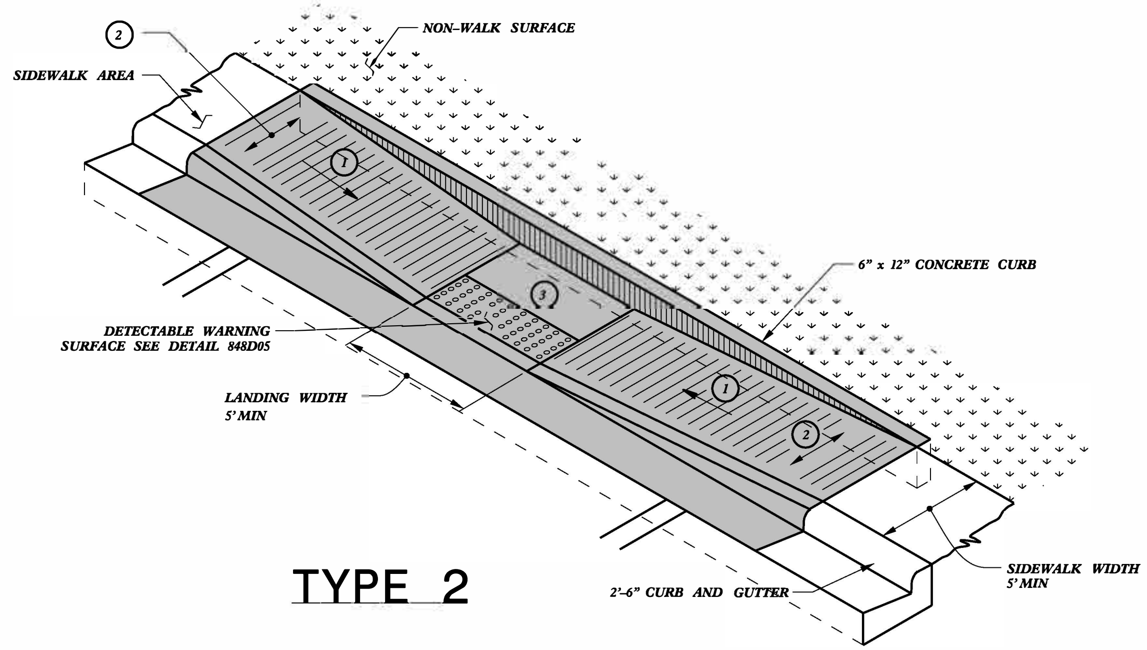
CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS

Directional Ramps

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: ______ DATE: ______
CHECKED BY: ______ DATE: ______
FILE SPEC. stds/2012CurbRamp/CurbRampDetails.dgn

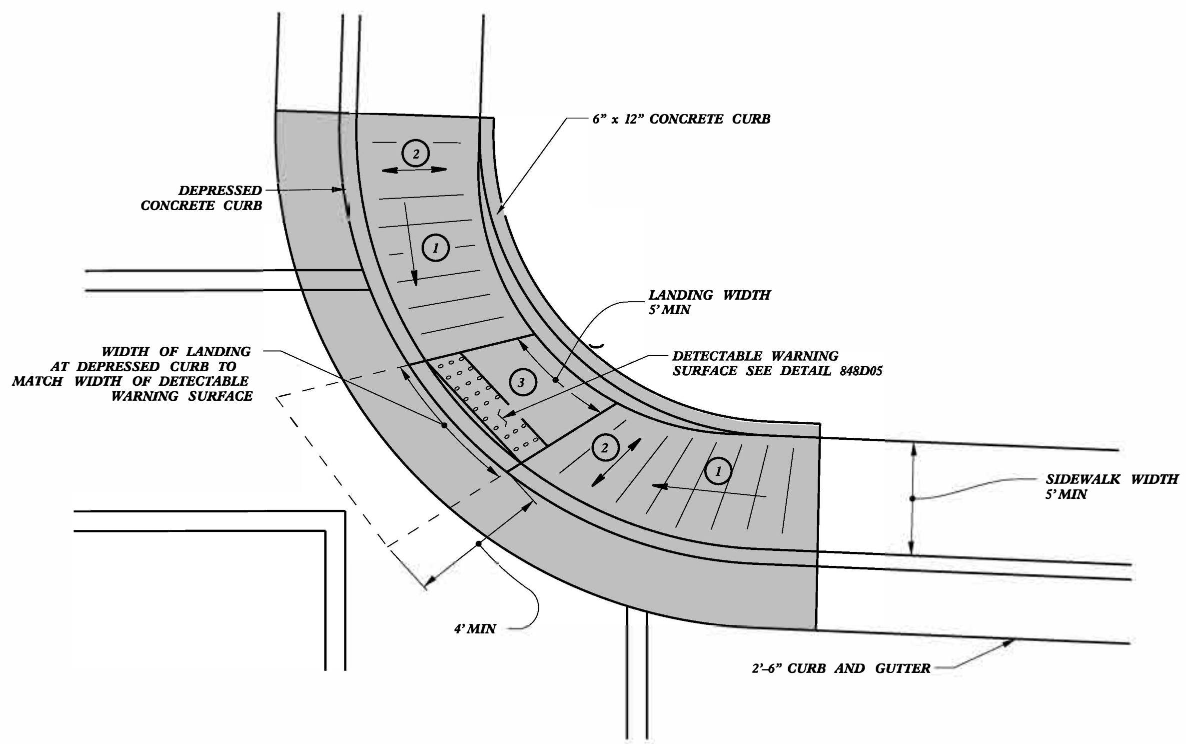
PROJECT REFERENCE NO.	SHEET NO.
R-5792AL & AQ	2B-2



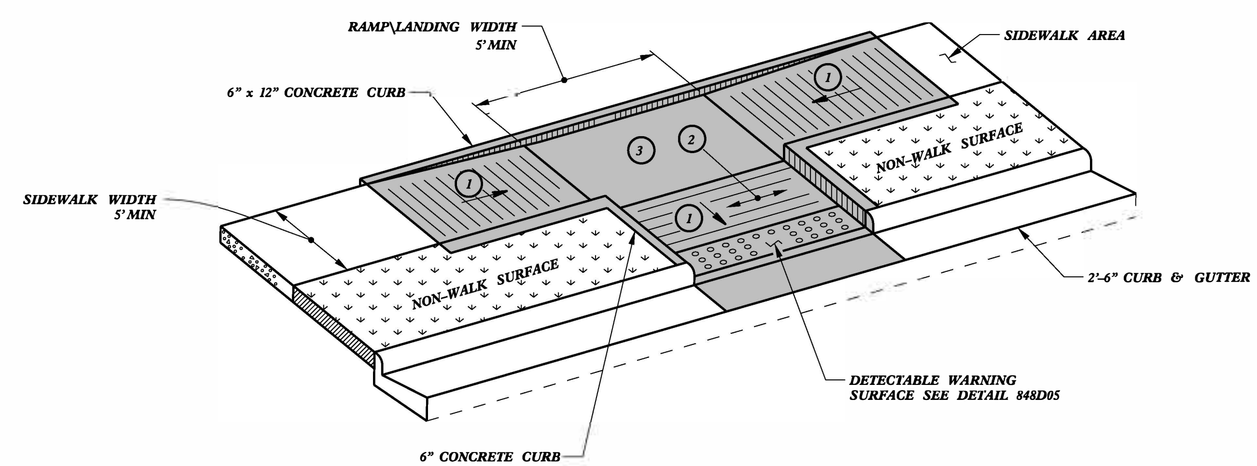
TYPE 2

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

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

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

CURB RAMPS

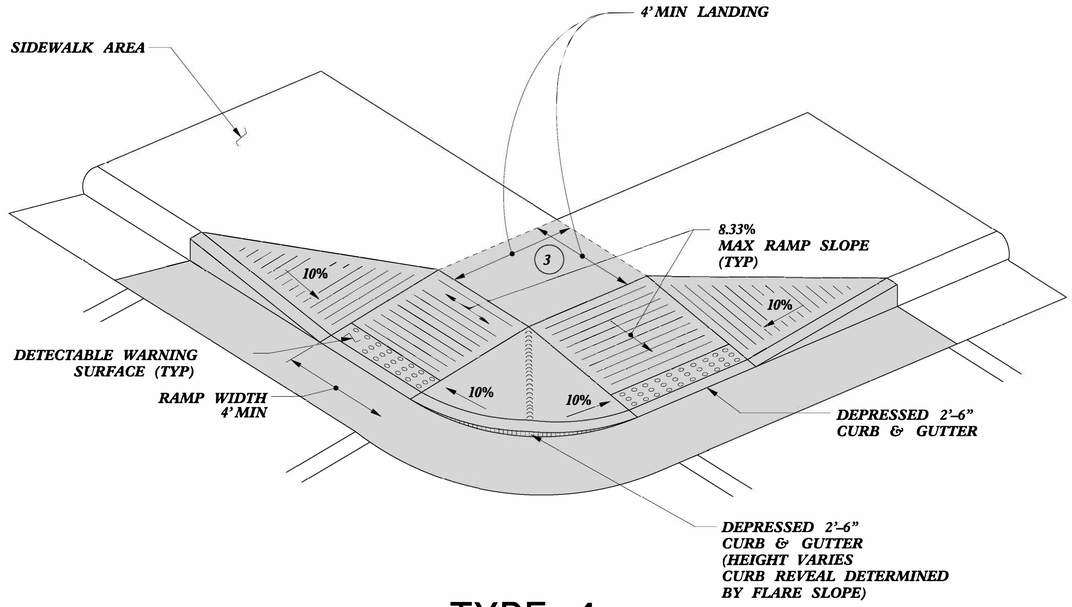
Parallel Ramps

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: stds/2012CurbRamp/CurbRampDetails.dgn

5/14/99

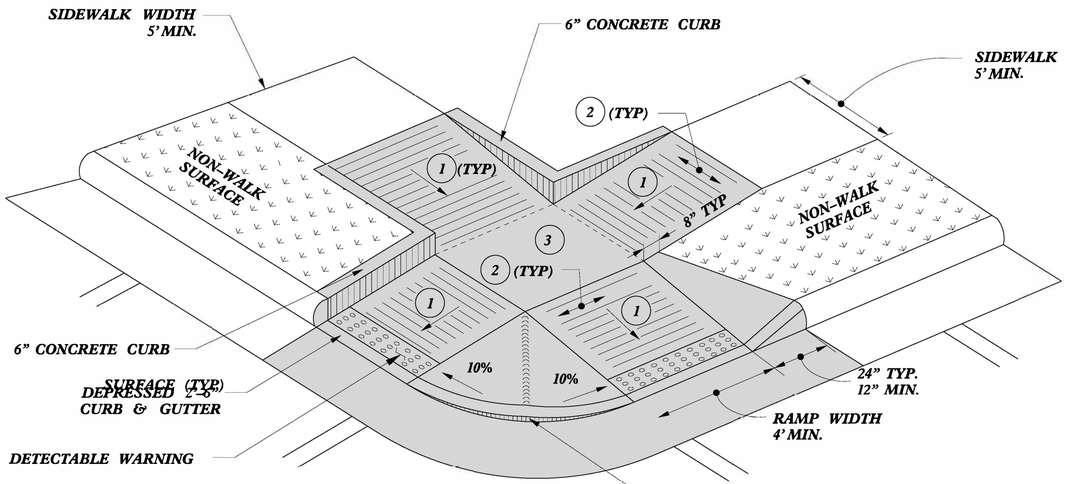
22-MAR-2012 15:07
S:\Contracts\Contracts\Special Details\jhowerton\Standard Drawings\2012 Standard Drawings\2012 Curb Ramp Special Details\Curb Ramp Details.dgn
jhowerton AT CSD23750I

PROJECT REFERENCE NO.	SHEET NO.
R-5792AL & AQ	2B-3

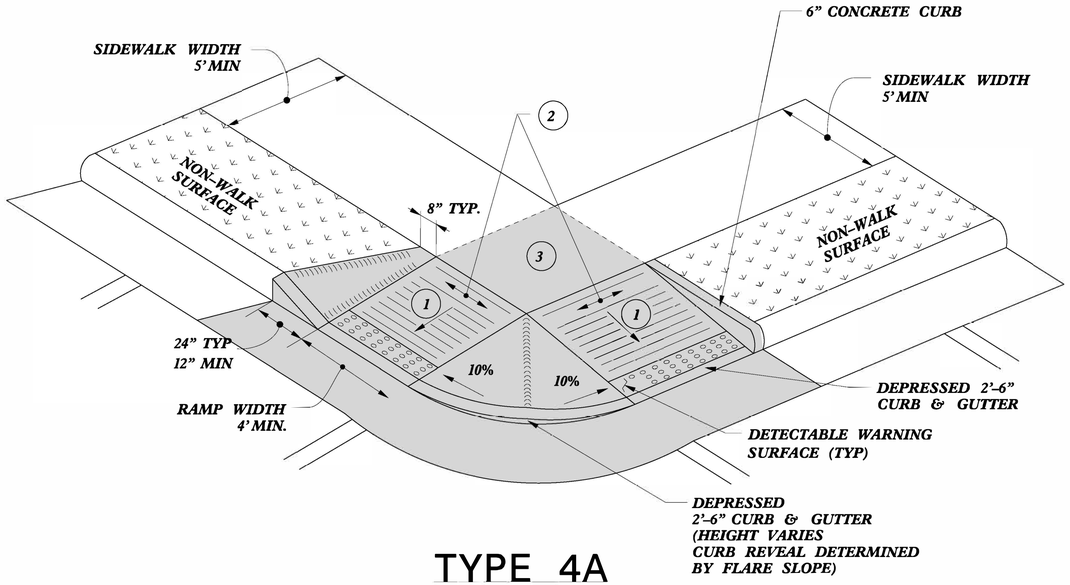


TYPE 4

PAY LIMITS FOR 2 CURB RAMPS



TYPE 5



TYPE 4A

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.

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

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. stds/2012CurbRamp/CurbRampDetails.dgn

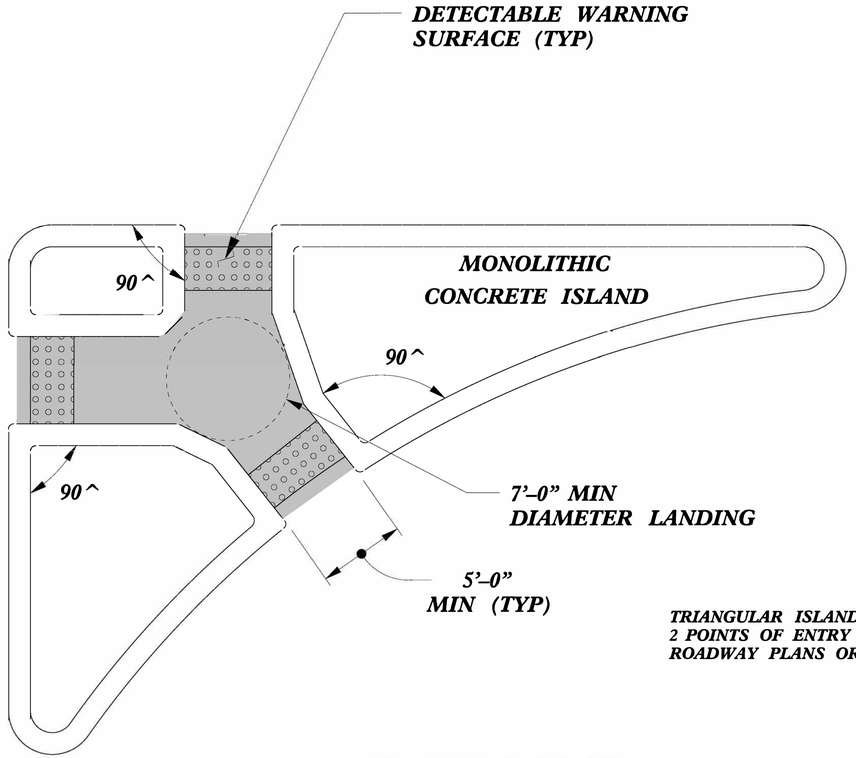
5/14/99

$$$$USERNAME$$$$
$$$$DGNFILE$$$$
$$$$CELLNAME$$$$
$$$$SYSTIME$$$$

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
R-5792AL & AQ	2B-4

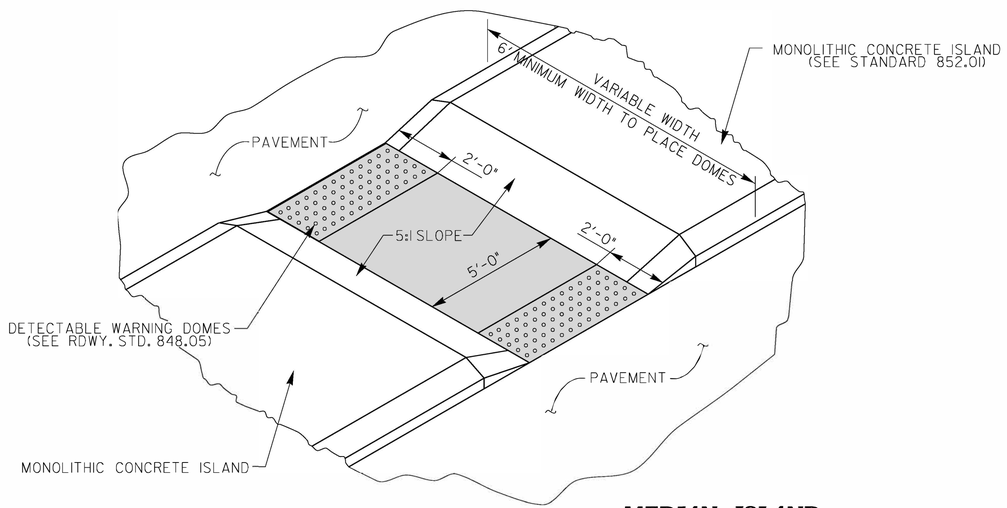
PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF SETS OF TRUNCATED DOMES)



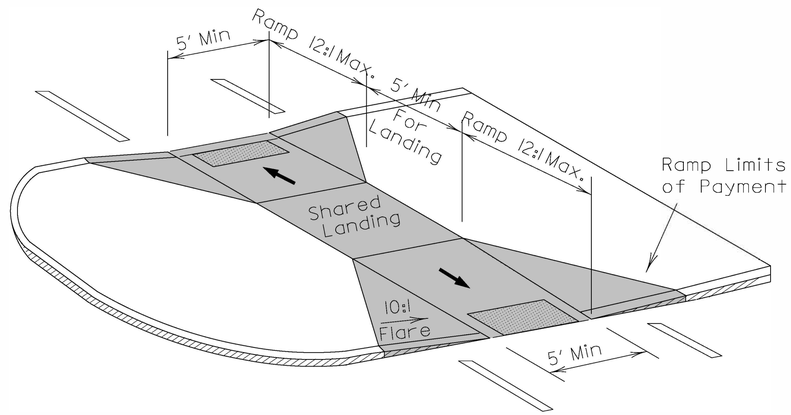
TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

TRIANGULAR ISLAND WITH CUT THROUGH

TYPE 6



MEDIAN ISLAND WITH CUT THROUGH



MEDIAN ISLAND CURB RAMPS

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

CURB RAMPS

Median or Turn Lane Islands

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC. stds/2012CurbRamp/CurbRampDetails.dgn

$$$$SYSTEM$$$$
$$$$SCALE$$$$
$$$$USERNAME$$$$

SUMMARY OF QUANTITIES

Proj. #	R-5792AL & AQ
Sheet	2C-1

Sheet #	Division	County	Municipality	Under 5k Population? (Y/N)	WBS No.	Major Route	Minor Route	Proposed Concrete Sidewalk (SY)	Proposed 2'6" Concrete C&G (LF)	Proposed Remove Existing Curb Ramps (EA)	Proposed Retrofit Existing Concrete Curb Ramp (EA)	Proposed Remove and Replace Existing Curb Ramp (EA)	Site #	Comments
4	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	Creekside Dr.					1	Clev_1	(1) - Type 1A
4	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	Entrance to GWU Health Sciences Building					2	Clev_2_3	(2) - Type 1A
4	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	Entrance to GWU Health Sciences Building					2	Clev_4_5	(2) - Type 1A
4	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	Entrance to GWU Health Sciences Building					2	Clev_6_7	(2) - Type 1A
4	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	Stadium Dr.					2	Clev_8_9	(1) - TYPE 2, (1) - Type 1A
4	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	Spring St.					2	Clev_10_11	(2) - Type 1A
5	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	Cantrell St.					2	Clev_12_13	(2) - Type 1A
5	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	Quad Dr.					2	Clev_14_15	(2) - Type 1A
5	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	Memorial Dr.					1	Clev_16	(1) - Type 1A
5	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	GWU Washburn Hall Entrance					2	Clev_17_18	(1) - Type 1, (1) - Type 2A Modified
5	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	GWU Web Hall Entrance					2	Clev_19_20	(1) - Type 2A, (1) - Type 1
5	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	Private Dr. between Washburn Hall and Post Office					2	Clev_21_22	(2) - Type 1
5	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1003 (W. Colllege Ave.)	US Post Office Entrance					2	Clev_23_24	(2) - Type 1
6	12	Cleveland	Boiling Springs	N	44922.3.22	NC 150	Stadium Dr.					2	Clev_25_26	(2) - Std. 848.06 sheet 1
6	12	Cleveland	Boiling Springs	N	44922.3.22	NC 150	E. Branch Ave					3	Clev_27_28_29	(3) - Type 1
6	12	Cleveland	Boiling Springs	N	44922.3.22	NC 150	GWU Commnication Studies Entrance					2	Clev_30_31	(2) - Type 2B
6	12	Cleveland	Boiling Springs	N	44922.3.22	NC 150	Falcon Dr.					2	Clev_32_33	(2) - Type 1
6	12	Cleveland	Boiling Springs	N	44922.3.22	NC 150	Decker Ct.					2	Clev_34_35	(1) - Type 1A, (1) - Type 1
6	12	Cleveland	Boiling Springs	N	44922.3.22	NC 150	Quinn Circle Dr.					2	Clev_36_37	(1) - Type 1, (1) - STD. 848.06 (Sheet 2)
6	12	Cleveland	Boiling Springs	N	44922.3.22	NC 150	SR-1003 (W. College Ave.)					4	Clev_38_39_40_41	(4) - Type 2A
7	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1116 (Main St.)	Hamrick Ave.					1	Clev_42	(1) - Type 1
7	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1116 (Main St.)	Green Ave.					1	Clev_43	(1) - Type 1B
7	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1116 (Main St.)	Holland Dr.					2	Clev_44_45	(2) - Type 1
8	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1116 (Main St.)	DeHart Dr.					2	Clev_46_47	(2) - Type 1
8	12	Cleveland	Boiling Springs	N	44922.3.22	SR-1116 (Main St.)	SR-1158 (W. Homestead Ave.)					1	Clev_48	(1) - Type 1
8	12	Cleveland	Lattimore	Y	44922.3.17	SR-1323 (Main St.)	Cherry St.					3	Clev_49_50_51	(1) - Type 2, (1) - Type 1, (1) - Type 1A
9	12	Cleveland	Lattimore	Y	44922.3.17	SR-1323 (Main St.)	Price St.					1	Clev_52	(1) - Type 2
9	12	Cleveland	Lattimore	Y	44922.3.17	SR-1323 (Main St.)	SR-1351 (Stockton St.)					2	Clev_53_54	(1) - Type 2, (1) - Type 1A
9	12	Cleveland	Lattimore	Y	44922.3.17	SR-1323 (Main St.)	SR-1318 (Westlee St.)					2	Clev_55_56	(2) - Type 1A
9	12	Cleveland	Lattimore	Y	44922.3.17	SR-1323 (Main St.)	US Post Office Entrance					1	Clev_57	(1) - Type 1
10	12	Cleveland	Lattimore	Y	44922.3.17	SR-1351 (Stockton St.)	Ruth Dr.					2	Clev_58_59	(1) - Type 2, (1) - Type 1A
10	12	Cleveland	Grover	Y	44922.3.17	NC 226	SR-2233 (Carolina Ave.)					1	Clev_60	(1) - Type 2B
10	12	Cleveland	Grover	Y	44922.3.17	NC 226	Lindon St.					2	Clev_61_62	(1) - Type 2A, (1) - Type 1
10	12	Cleveland	Grover	Y	44922.3.17	NC 226	Chestnut St.					2	Clev_63_64	(2) - Type 1
11	12	Cleveland	Grover	Y	44922.3.17	NC 226	Mulberry St.					2	Clev_65_66	(1) - Type 1B, (1) - Type 1
11	12	Cleveland	Grover	Y	44922.3.17	NC 226	Laurel Ave.					2	Clev_67_68	(2) - Type 1
11	12	Cleveland	Grover	Y	44922.3.17	SR-2417 (Main St.)	Walnut Ave.					2	Clev_69_70	(2) - Type 1
12	12	Cleveland	Grover	Y	44922.3.17	SR-2417 (Main St.)	SR-2233 (Carolina Ave.)					1	Clev_71	(1) - Type 1
12	12	Cleveland	Grover	Y	44922.3.17	SR-2417 (Main St.)	Springdale Dr.					2	Clev_72_73	(2) - Type 1
12	12	Cleveland	Grover	Y	44922.3.17	SR-2417 (Main St.)	Briarcliff Rd.					1	Clev_74	(1) - Type 1
12	12	Cleveland	Grover	Y	44922.3.17	SR-2233 (Carolina Ave.)	Walnut Ave.					1	Clev_75	(1) - Type 1A
12	12	Cleveland	Grover	Y	44922.3.17	SR-2233 (Carolina Ave.)	Grover Elementary Crosswalk					1	Clev_76	(1) - Type 2 Modified
13	12	Cleveland	Grover	Y	44922.3.17	SR-2233 (Carolina Ave.)	Dogwood Dr.					2	Clev_77_78	(2) - Type 1
13	12	Cleveland	Lawndale	Y	44922.3.17	NC 182	Lee St.					2	Clev_79_80	(2) - Type 1
13	12	Cleveland	Lawndale	Y	44922.3.17	NC 182	Southard St.					2	Clev_81_82	(2) - Type 1
13	12	Cleveland	Lawndale	Y	44922.3.17	NC 182	SR-1501 (Elam St.)					2	Clev_83_84	(2) - Type 1
13	12	Cleveland	Lawndale	Y	44922.3.17	NC 182	Blanton St.					2	Clev_85_86	(2) - Type 1
13	12	Cleveland	Lawndale	Y	44922.3.17	NC 182	Garver St.					1	Clev_87	(1) - Type 1
13	12	Cleveland	Lawndale	Y	44922.3.17	NC 182	SR-1813 (Shelby Rd.)					1	Clev_88	(1) - Type 2
14	12	Cleveland	Lawndale	Y	44922.3.17	NC 182	Piedmont Dr.					1	Clev_89_90	(1) - Type 1, (1) - Type 1A
14	12	Cleveland	Fallston	Y	44922.3.17	NC 182	Beam St.					2	Clev_91_92	(2) - Type 1
14	12	Cleveland	Fallston	Y	44922.3.17	NC 18	Wilson Rd.					3	Clev_93_94_95	(2) - Type 1, (1) - 4A Modified (1 Ramp)
15	12	Cleveland	Fallston	Y	44922.3.17	NC 18	Boggs Dr (Fallston Elementary School)					2	Clev_96_97	(2) - Type 2A
15	12	Cleveland	Fallston	Y	44922.3.17	NC 18	SR-1800 (Jim Cline Rd.)					1	Clev_98	(1) - Type 1A
15	12	Cleveland	Kings Mountain	N	44922.3.22	SR-2025 (Cansler St.)	Fulton St.					1	Clev_99	(1) - Type 2A
16	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	Benfield Rd.					1	Clev_100	(1) - Type 1A
16	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	Fairview St.					1	Clev_101	(1) - Type 1A
16	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	SR-2021 (Linwood Rd.)					3	Clev_102_103_104	(1) - Type 2B, (2) - Type 2A
17	12	Cleveland	Kings Mountain	N	44922.3.22	SR-2021 (Linwood Rd.)	Phillips Dr.					2	Clev_105_106	(2) - Type 1
17	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	Lackey St.					4	Clev_107_108_109	(1) - Type2A, (1) - Type 2B, (1) - Type 1A
17	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	US 74 Ramp					6	Clev_110_111_112_113_114	(2) - Std. 848.06 (Sheet 1), (1) - Type 6, (2) - Std. 848.06 (sheet 2)
18	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	US 74 Ramp					6	Clev_115_116_117_118_119	(2) - Std. 848.06 (Sheet 2), (1) - Type 6, (2) - Std. 848.06 (Sheet 1)
18	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	Baker St.					2	Clev_120_121	(2) - Type 1A
18	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	Walker St.					4	Clev_122_123_124_125	(2) - Type 2A, (1) - Type 2B, (1) - Type 1A
19	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	E. Parker St.					3	Clev_126_127_128	(3) - Type 2A
19	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	E. Ridge St.					2	Clev_129_130	(2) - Type 2A

SUMMARY OF QUANTITIES

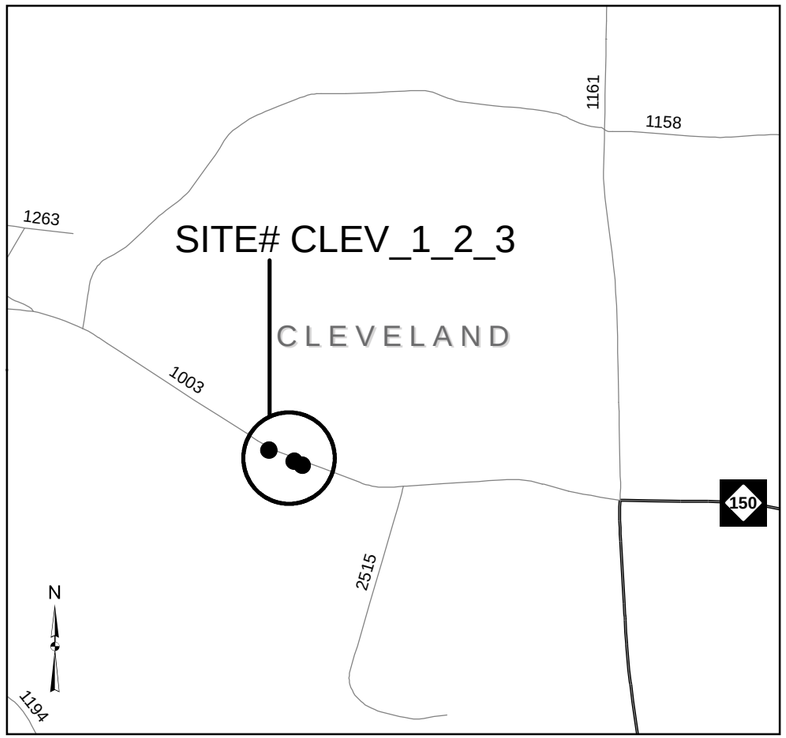
Proj. #	R-5792AL & AQ
Sheet	2C-2

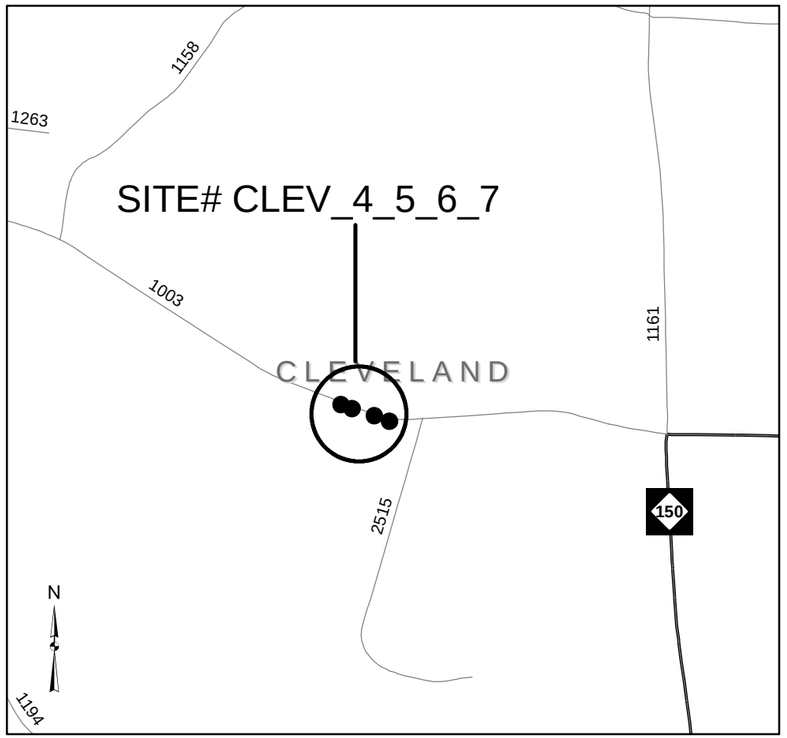
Sheet #	Division	County	Municipality	Under 5k Population? (Y/N)	WBS No.	Major Route	Minor Route	Proposed Concrete Sidewalk (SY)	Proposed 2'6" Concrete C&G (LF)	Proposed Remove Existing Curb Ramps (EA)	Proposed Retrofit Existing Concrete Curb Ramp (EA)	Proposed Remove and Replace Existing Curb Ramp (EA)	Site #	Comments
19	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	W. Mountian St.					2	Clev_131_132	(2) - Type 4 Modified (1 Ramp)
20	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	W. Gold St.					2	Clev_133	(1) - Type 2A
20	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	Falls St.					2	Clev_134_135	(2) - Type 2A
20	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	Dickson St.					2	Clev_136_137	(2) - Type 1
21	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	Wells St.					2	Clev_138_139	(2) - Type 1
21	12	Cleveland	Kings Mountain	N	44922.3.22	NC 216	Quarry Rd.					1	Clev_140	(1) - Type 1
21	12	Cleveland	Kings Mountain	N	44922.3.22	SR-2256 (Phifer Rd.)	W. Mountian St.					1	Clev_141_142	(2) - Type 1
21	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Edgemont Dr.					1	Clev_143	(1) - Type 4A Modified (1 Ramp)
22	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Hospital Driveway					2	Clev_144_145	(1) - Type 1, (1) - Type 2A
22	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Sims St.					3	Clev_146_147_148	(2) - Type 1, (1) - Type 1B
22	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Goforth St.					4	Clev_149_150_151_152	(4) - Type 1
22	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Watterson St.					6	Clev_153_154_155_156	(2) - Type 4A, (2) - Type 2A
23	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Tracy St.					4	Clev_157_158_159_160	(2) - Type 2A, (2) - Type 1
23	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Cansler St.					4	Clev_161_162_163_164	(2) - Type 1, (2) - Type 2A
23	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	City St.					4	Clev_165_166_167_168	(1) - Type 2A, (1) - Type 1B, (2) - Type 1A
23	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Railroad Ave.					5	Clev_169_170_171_172_173	(4) - Type 2A, (1) - Type 6
23	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	NC 216					5	Clev_174_175_176_177	(3) - Type 2A, (1) - Type 4A
24	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Piedmont Ave.					3	Clev_178_179_180	(3) - Type 2A
24	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Gaston St.					3	Clev_181_182_183	(1) - Type 1B, (2) - Type 2A
24	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Carpenter St.					4	Clev_184_185_186_187	(4) - Type 1
25	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Dilling St.					4	Clev_188_189_190_191	(4) - Type 1
25	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Deal St.					4	Clev_192_193_194_195	(3) - Type 1, (1) Type 2A
25	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	NC 161					3	Clev_196_197_198	(3) - Type 2A
25	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Hendricks St.					2	Clev_199_200	(2) - Type 1
26	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	N. Oriental Ave.					2	Clev_201_202	(2) - Type 1
26	12	Cleveland	Kings Mountain	N	44922.3.22	US 74 Bus (Kings St.)	Cambridge Oaks Circle					1	Clev_203	(1) - Type 1
26	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	SR-2024 (Linwood Rd.)					1	Clev_204	(1) - Type 2A
27	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	Woodside Dr.					2	Clev_205_206	(1) - Type 1B, (1) - Type 2A
27	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	Lynn St.					2	Clev_207_208	(2) - Type 2A
27	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	US 74 Ramp					2	Clev_209_210	(2) - Std. 848.06 (Sheet 2)
28	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	US 74 Ramp					4	Clev_211_212_213	(2) - Type 1A, (1) - Type 6
28	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	Branch St.					2	Clev_214_215	(2) - Type 2A
28	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	Kings Mountain YMCA Entrance					2	Clev_216_217	(2) - Type 2A
29	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	Kings Mountain YMCA Entrance					2	Clev_218_219	(1) - Type 2A, (1) - Type 1
29	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	E. Ridge St.					2	Clev_220_221	(1) - Type 2A, (1) - Type 1B
29	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	Floyd St.					1	Clev_222	(1) - Type 2A
29	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	Innovation Dr.					2	Clev_223_224	(2) - Type 2A
30	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	SR-2357 (Broadview St.)					2	Clev_225_226	(2) - Std. 848.06 (Sheet 2)
30	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	I-85 RAMP					2	Clev_227_228	(2) - Std. 848.06 (Sheet 2)
30	12	Cleveland	Kings Mountain	N	44922.3.22	NC 161	SR-2310 (Woodlake Pkwy.)					2	Clev_229_230	(2) - Std. 848.06 (Sheet 2)
31	12	Cleveland	Shelby	N	44922.3.22	SR-1986 (Eagles Terrace)	SR-1987 (Caddies Ct.)					2	Clev_231_232	(2) - Type 1A
31	12	Cleveland	Shelby	N	44922.3.22	SR-1986 (Eagles Terrace)	Augusta Lane					2	Clev_233_234	(1) - Type 1A, (1) - Type 2
31	12	Cleveland	Shelby	N	44922.3.22	SR-1985 (Deer Brook Dr.)	SR-1986 (Eagles Terrace)					2	Clev_235_236	(1) - Type 1A, (1) - Type 2A
31	12	Cleveland	Shelby	N	44922.3.22	SR-1985 (Deer Brook Dr.)	Augusta Lane					3	Clev_237_238_239	(1) - Type 2A, (1) - Type 1A, (1) - Type 2
31	12	Cleveland	Shelby	N	44922.3.22	NC 180	SR-1985 (Deer Brook Dr.)					2	Clev_240_241	(2) - Type 2A
32	12	Cleveland	Shelby	N	44922.3.22	NC 180	Cleveland County Center					1	Clev_242	(1) - Type 1
32	12	Cleveland	Shelby	N	44922.3.22	US 74 BUS (Marion St.)	CCC Entrance					1	Clev_243_244	(2) - Type 2A
32	12	Cleveland	Shelby	N	44922.3.22	SR-1848 (Frederick St.)	Monroe St.					1	Clev_245	(1) - Type 1A
33	12	Cleveland	Shelby	N	44922.3.22	SR-1848 (Frederick St.)	Piedmont Ave.					2	Clev_246_247	(2) - Type 1A
33	12	Cleveland	Shelby	N	44922.3.22	SR-1848 (Frederick St.)	Atlantic Ave.					2	Clev_248_249	(1) - Type 1, (1) - Type 1A
33	12	Cleveland	Shelby	N	44922.3.22	SR-1848 (Frederick St.)	Vale St.					2	Clev_250_251	(2) - Type 1A
34	12	Cleveland	Shelby	N	44922.3.22	SR-1848 (Frederick St.)	Bonny St.					2	Clev_252_253	(2) - Type 1A
34	12	Cleveland	Shelby	N	44922.3.22	SR-1848 (Frederick St.)	Crawford St.					3	Clev_254_255_256	(1) - Type 2A, (1) - Type 1A, (1) - Type 2
34	12	Cleveland	Shelby	N	44922.3.22	NC 18	SR-1842 (Lithia Springs Rd.)					1	Clev_257	(1) - Type 2A
34	12	Cleveland	Shelby	N	44922.3.22	NC 18	Life Enrichment Blvd.					4	Clev_258_259_260_261	(2) - Type 2A, (2) - Type 1
35	12	Cleveland	Shelby	N	44922.3.22	NC 18	Bland St.					2	Clev_262_263	(2) - Type 1
35	12	Cleveland	Shelby	N	44922.3.22	NC 18	SR-1930 (Wendover Heights Dr.)					2	Clev_264_265	(2) - Type 1A
35	12	Cleveland	Shelby	N	44922.3.22	NC 18	Vale St.					1	Clev_266	(1) - Type 1A
36	12	Cleveland	Shelby	N	44922.3.22	NC 18	Dollar General Driveway					2	Clev_267_268	(1) - Type 1A, (1) - Type 1
36	12	Cleveland	Shelby	N	44922.3.22	NC 18	Julius St.					2	Clev_269_270	(1) - Type 4 Modified (1 Ramp), (1) - Type 1
36	12	Cleveland	Shelby	N	44922.3.22	NC 18	Glendale St.					1	Clev_271	(1) - Type 2A
37	12	Cleveland	Shelby	N	44922.3.22	NC 18	Bojangles Driveway					1	Clev_272	(1) - Type 1B
37	12	Cleveland	Shelby	N	44922.3.22	NC 18	SR-1848 (Frederick St.)					4	Clev_273_274	(2) - Type 4
37	12	Cleveland	Shelby	N	44922.3.22	NC 18	Logan St.					2	Clev_275_276	(2) - Type 1
37	12	Cleveland	Shelby	N	44922.3.22	NC 18	First St.					2	Clev_277_278	(1) - Type1, (1) - Type 1A
38	12	Cleveland	Shelby	N	44922.3.22	NC 18	SR-1958 (Dekalb St.)					8	Clev_279_280_281_282	(4) - Type 4
38	12	Cleveland	Shelby	N	44922.3.22	NC 18	Hospital Entrance					2	Clev_283_284	(2) - Type 2A

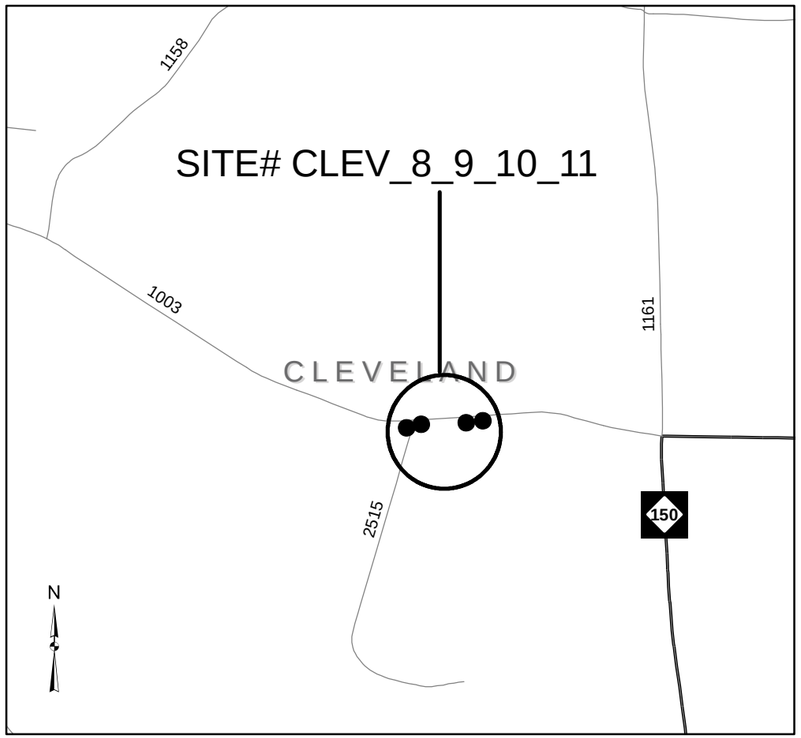
SUMMARY OF QUANTITIES

Proj. #	R-5792AL & AQ
Sheet	2C-3

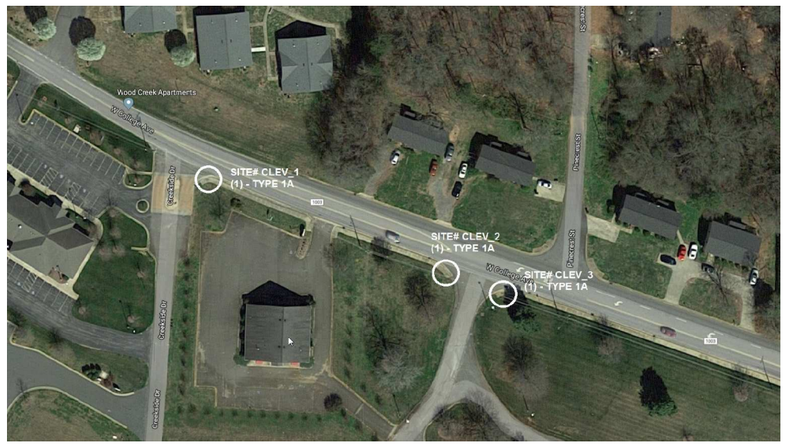
Sheet #	Division	County	Municipality	Under 5k Population? (Y/N)	WBS No.	Major Route	Minor Route	Proposed Concrete Sidewalk (SY)	Proposed 2'6" Concrete C&G (LF)	Proposed Remove Existing Curb Ramps (EA)	Proposed Retrofit Existing Concrete Curb Ramp (EA)	Proposed Remove and Replace Existing Curb Ramp (EA)	Site #	Comments
38	12	Cleveland	Shelby	N	44922.3.22	NC 18	Schenck St.					1	Clev_285	(1) - Type 4A Modified (1 Ramp)
38	12	Cleveland	Shelby	N	44922.3.22	NC 18	N. Wasington St.					3	Clev_286_287_288	(1) - Type1, (1) - Type 2A, (1) - Type 1A
38	12	Cleveland	Shelby	N	44922.3.22	SR-1005 (N. Lafayette St.)	Felter St.					1	Clev_289	(1) - Type 1
38	12	Cleveland	Shelby	N	44922.3.22	SR-1005 (N. Lafayette St.)	Steeple St.					1	Clev_290	(1) - Type 1
								0	**0**	**0**	**0**	**301**		



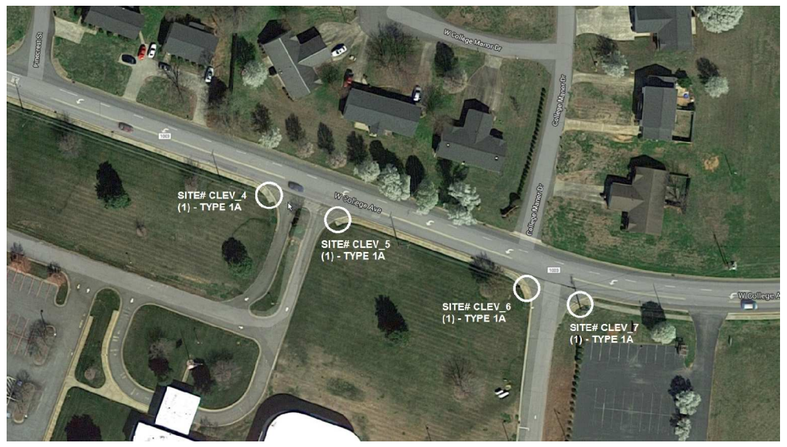




CLEVELAND COUNTY
WBS# 44922.3.22



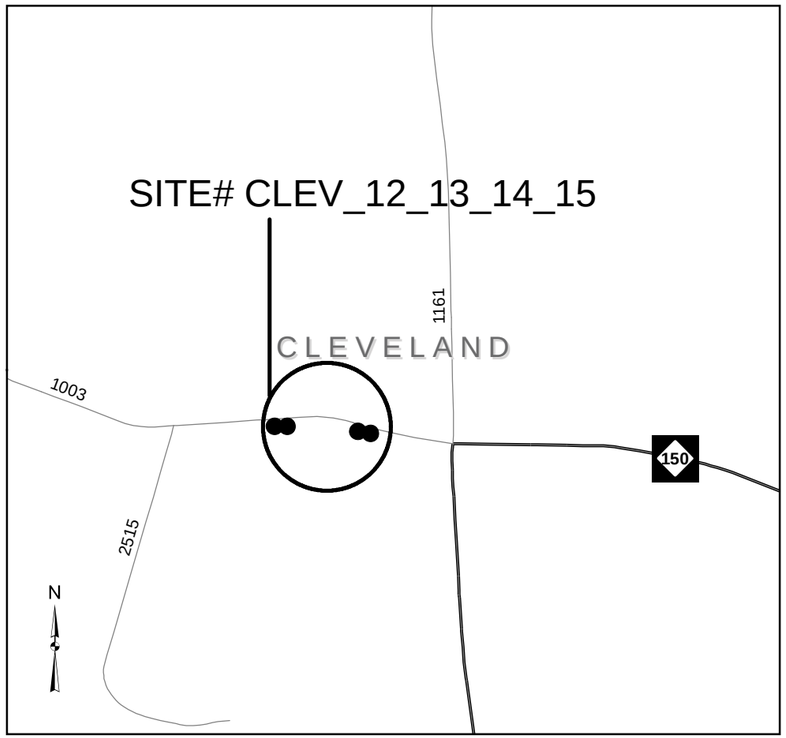
SR 1003 (W. COLLEGE AVE.) @ CREEKSIDE DR. &
ENTRANCE TO GWU HEALTH SCIENCE BUILDING

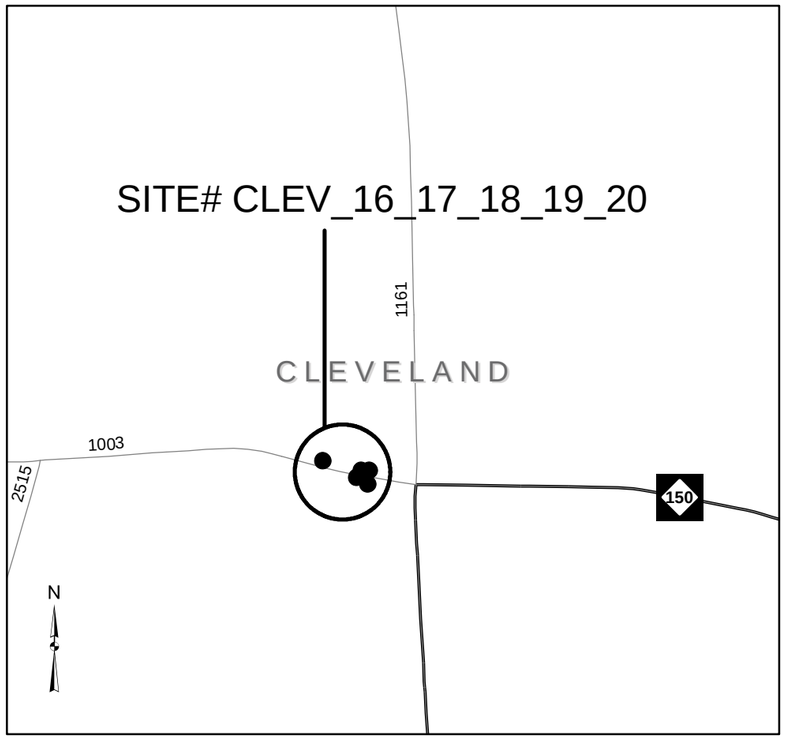


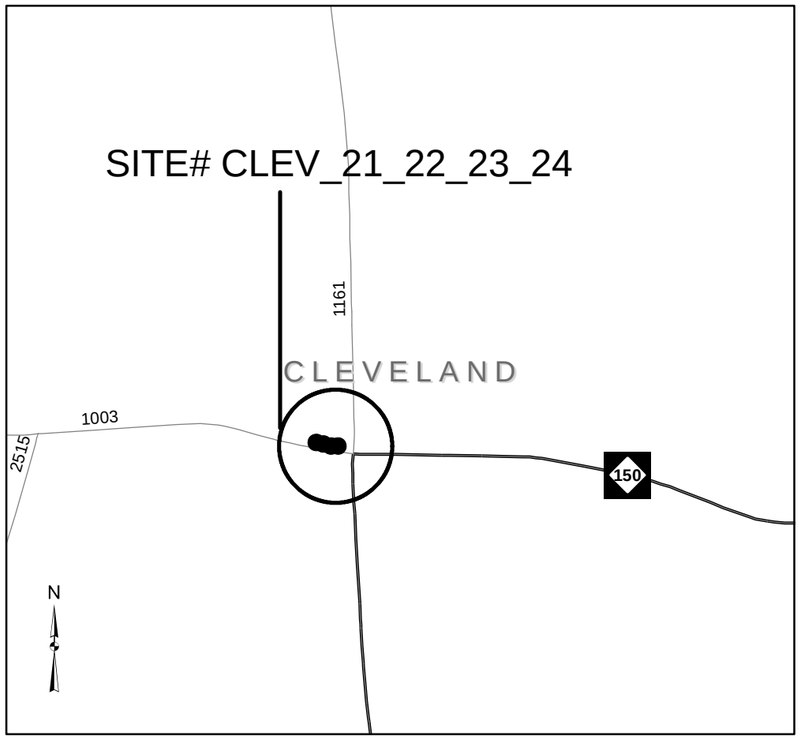
SR 1003 (W. COLLEGE AVE.) @ ENTRANCE TO
GWU HEALTH SCIENCE BUILDING

SR 1003 (W. COLLEGE AVE.) @ STADIUM DR. & SPRING ST.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

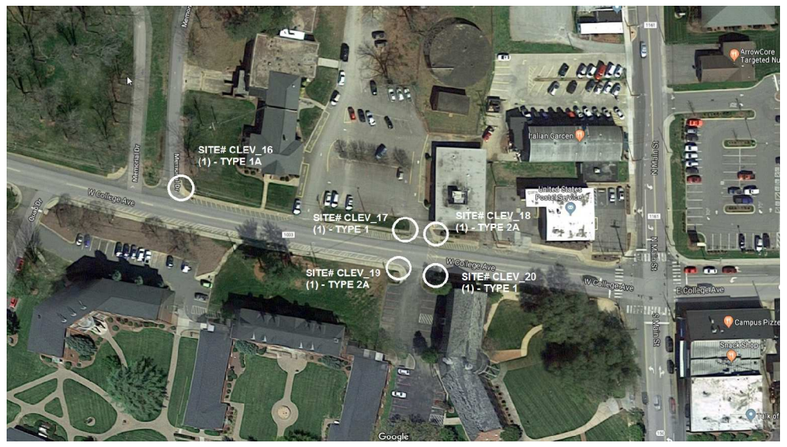






CLEVELAND COUNTY
WBS# 44922.3.22

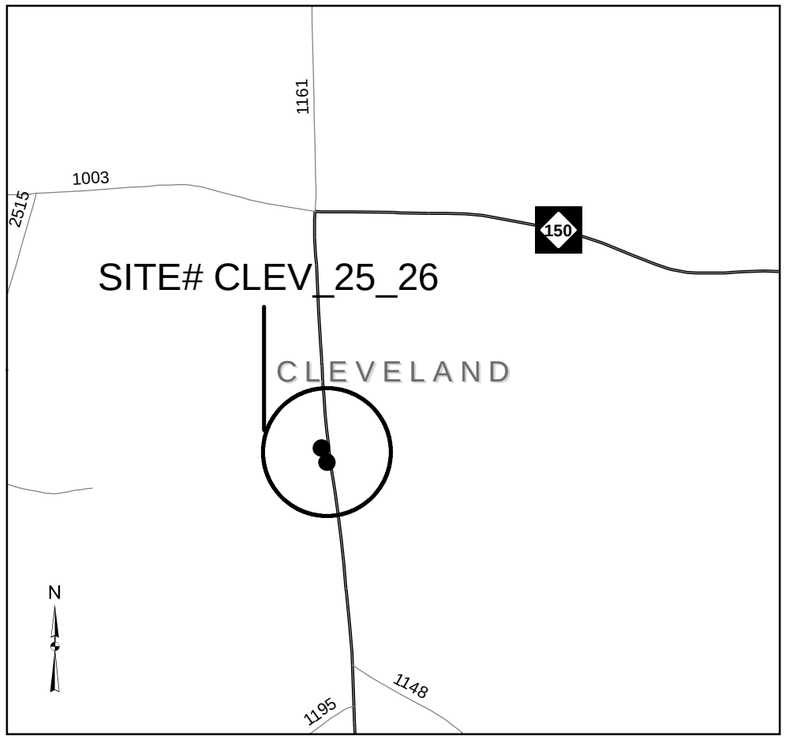
SR 1003 (W. COLLEGE AVE.) @ CANTRELL ST. & QUAD DR.

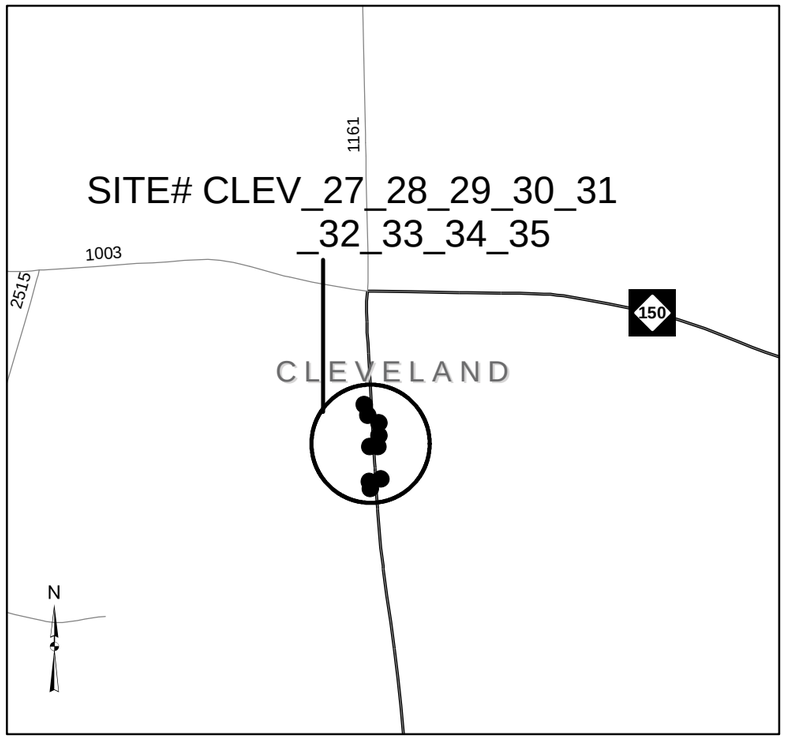


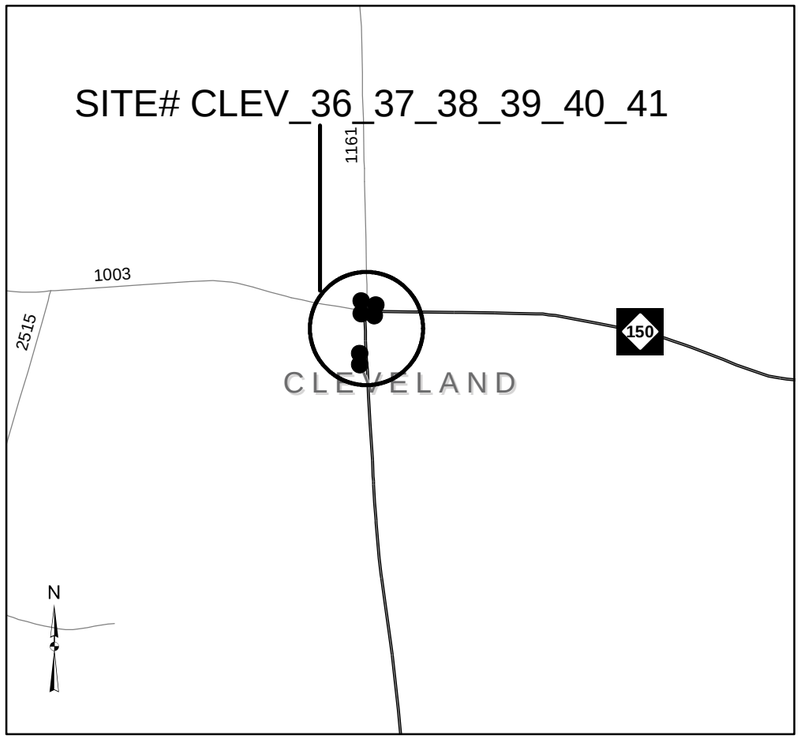
SR 1003 (W. COLLEGE AVE.) @ MEMORIAL DR. & GWU WASHBURN & WEB HALL ENTRANCES

SR 1003 (W. COLLEGE AVE.) @ PRIVATE DR. BETWEEN WASHBURN HALL AND POST OFFICE & POST OFFICE ENTRANCE

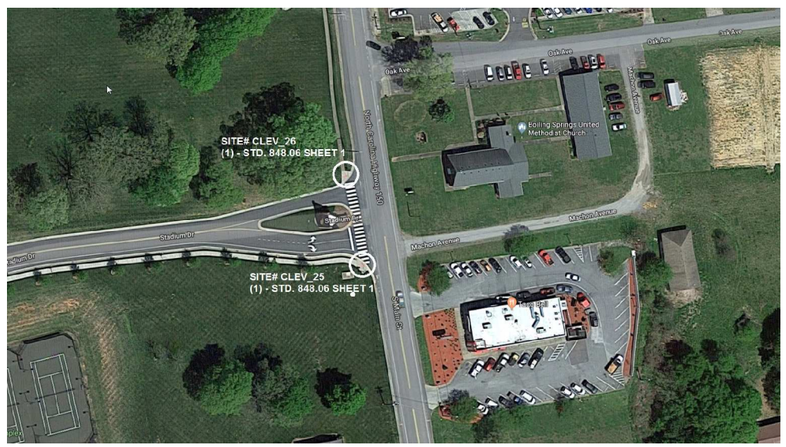
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



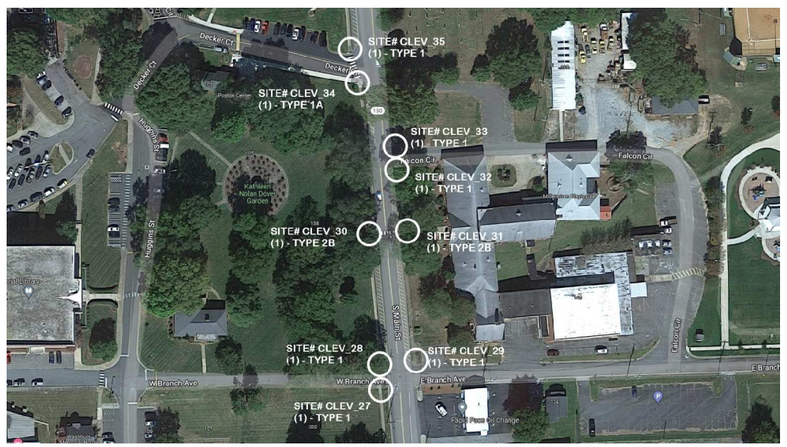




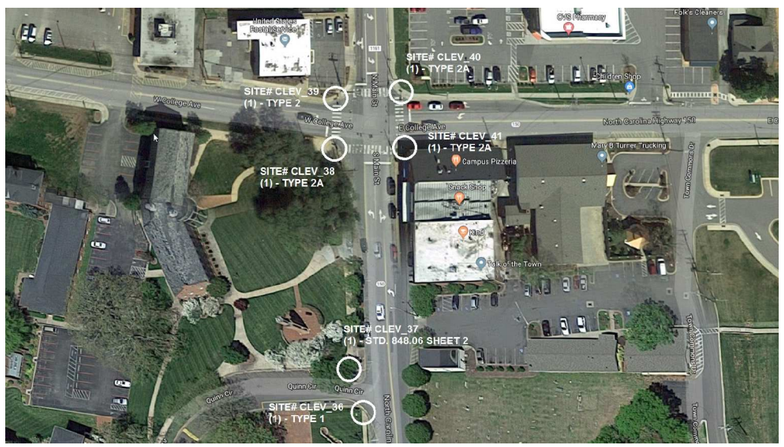
CLEVELAND COUNTY
WBS# 44922.3.22



NC 150 @ STADIUM DR.

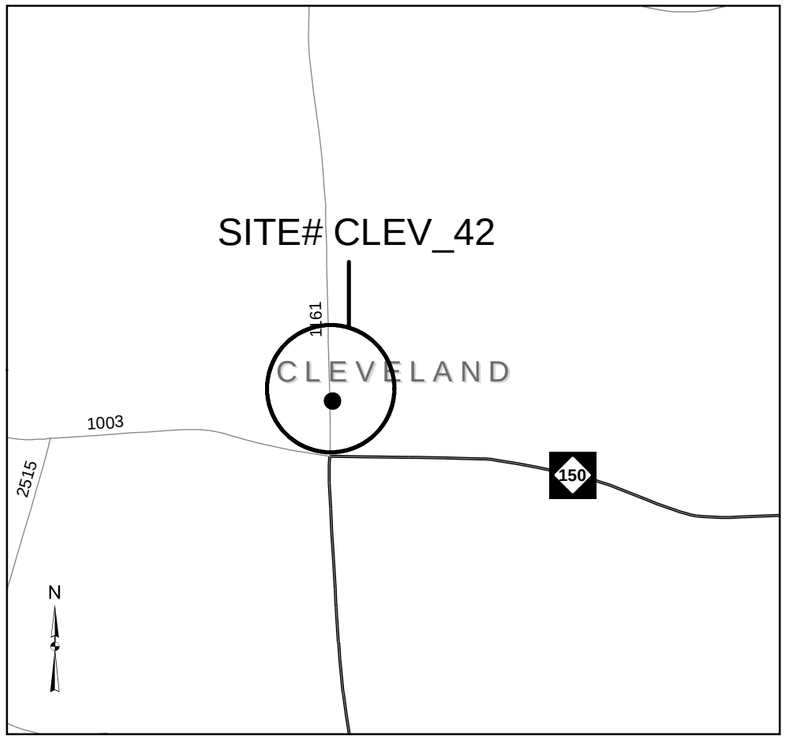


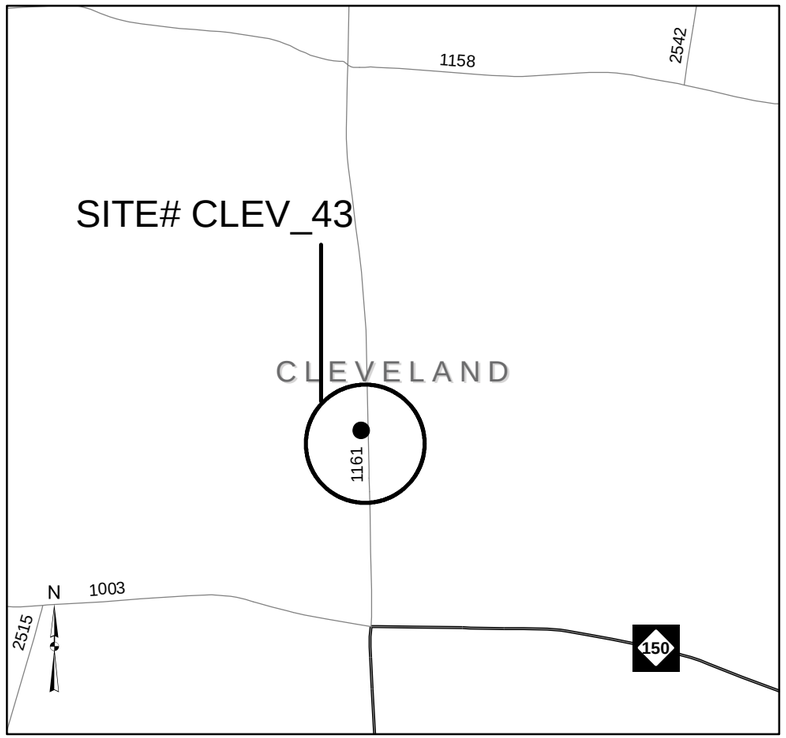
NC 150 @ E. BRANCH AVE., GWU COMMUNICATIONS STUDIES ENTRANCE, FALCON DR. AND DECKER CT.

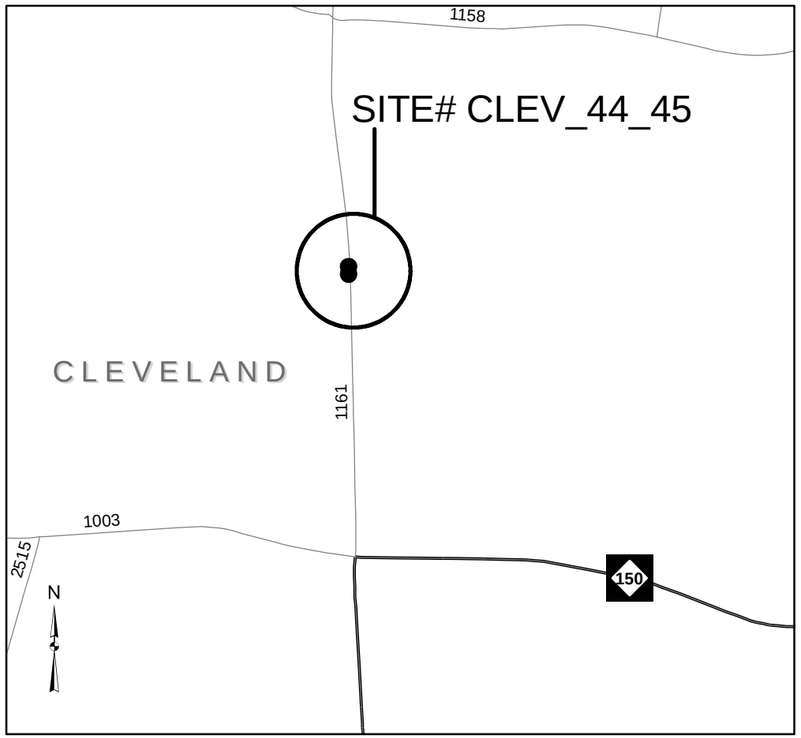


NC 150 @ QUINN CIRCLE DR. AND SR 1003 (W. COLLEGE AVE.)

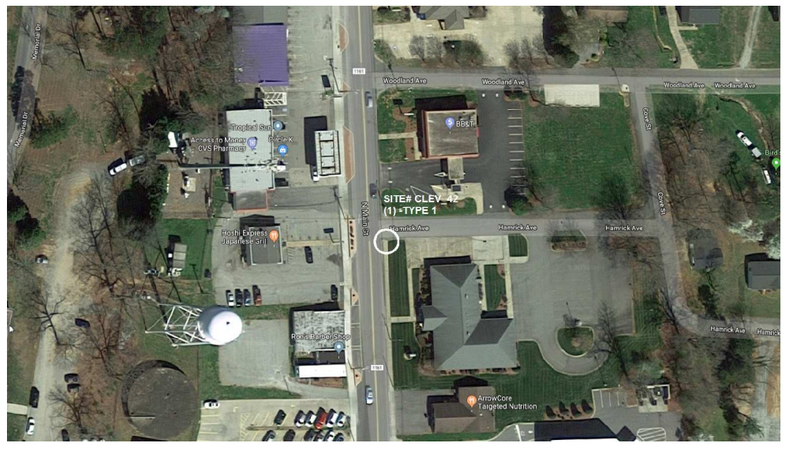
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







CLEVELAND COUNTY
WBS# 44922.3.22

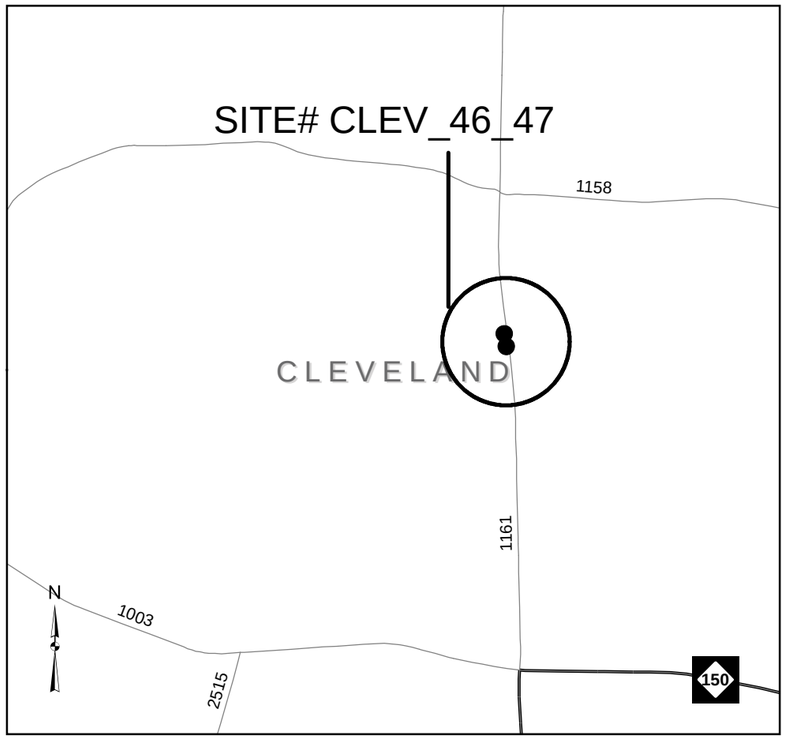


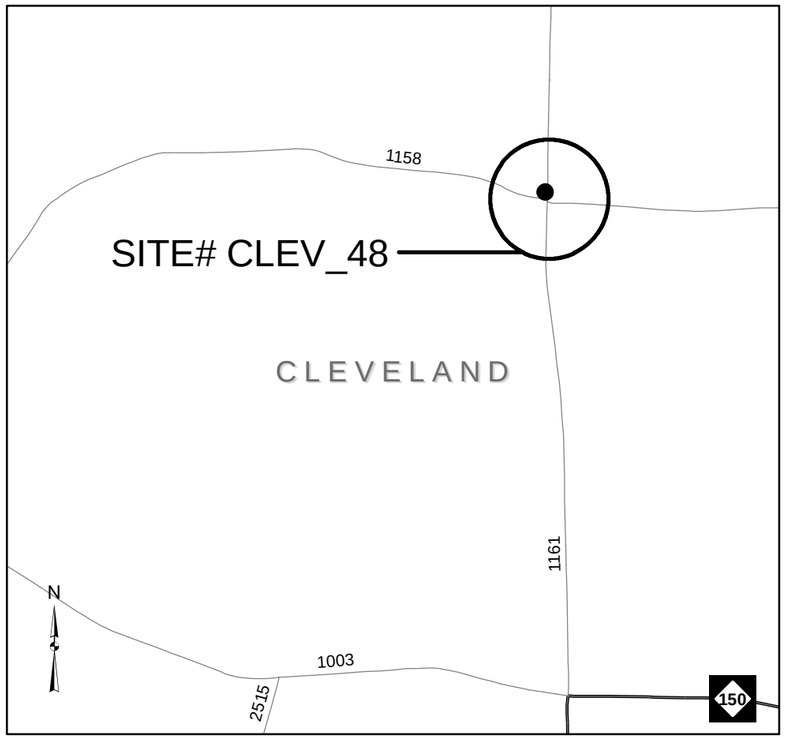
NC 150 @ HAMRICK AVE.

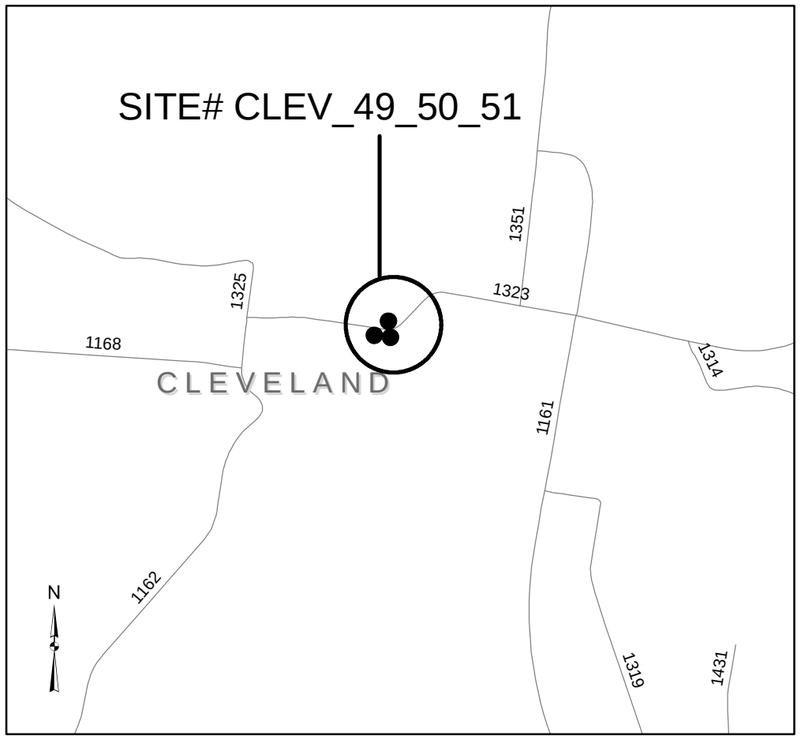
NC 150 @ GREEN AVE.

NC 150 @ HOLLAND DR.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION





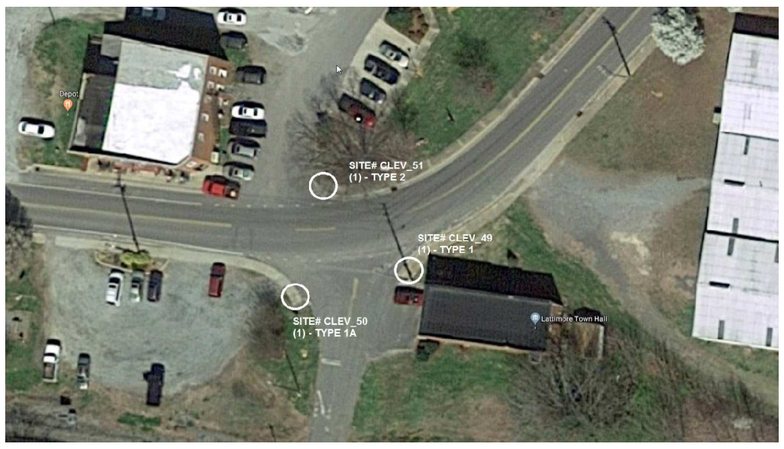


CLEVELAND COUNTY

WBS# 44922.3.17 & 44922.3.22

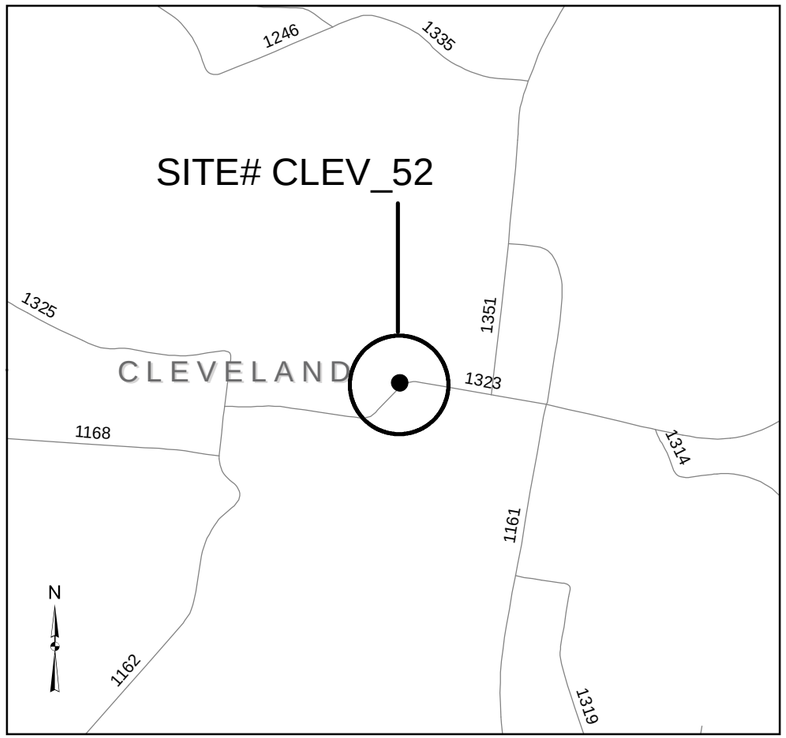
NC 150 @ DEHART DR.

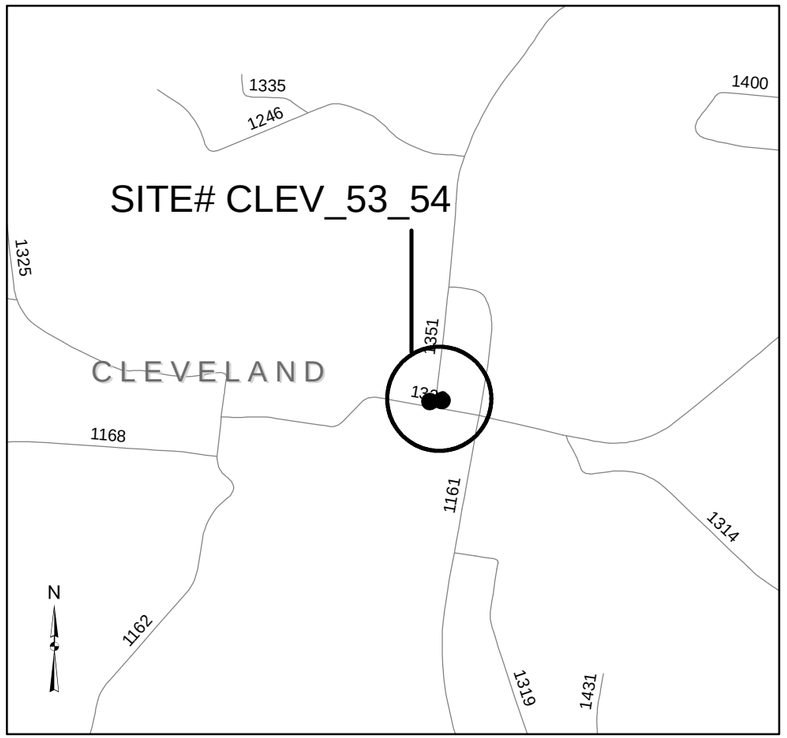
NC 150 @ SR 1158 (W. HOMESTEAD AVE.)

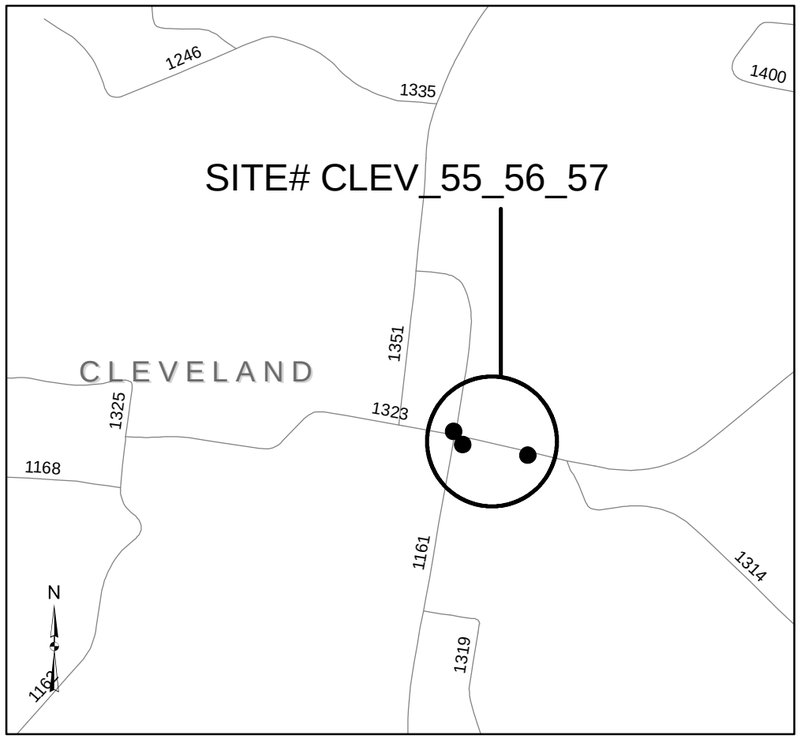


SR 1323 (MAIN ST.) @ CHERRY ST.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

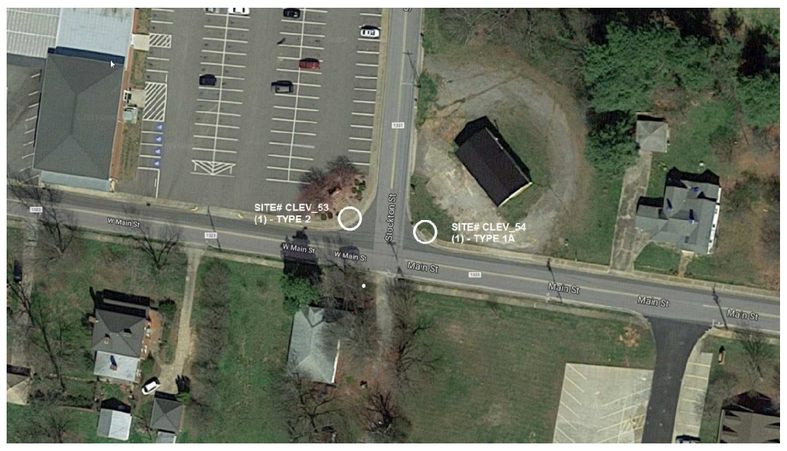






CLEVELAND COUNTY
WBS# 44922.3.17

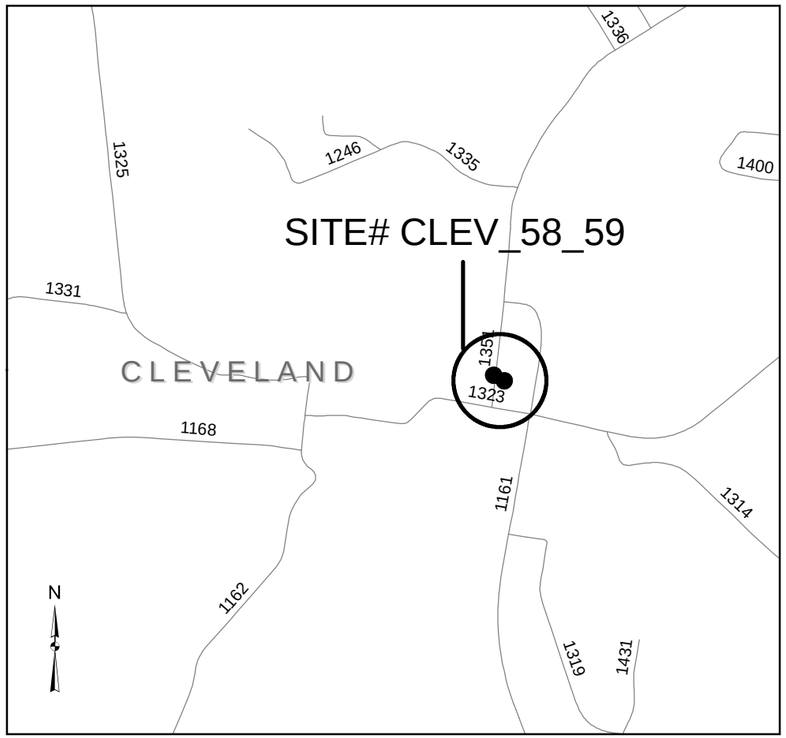
SR 1323 (MAIN ST.) @ PRICE ST.

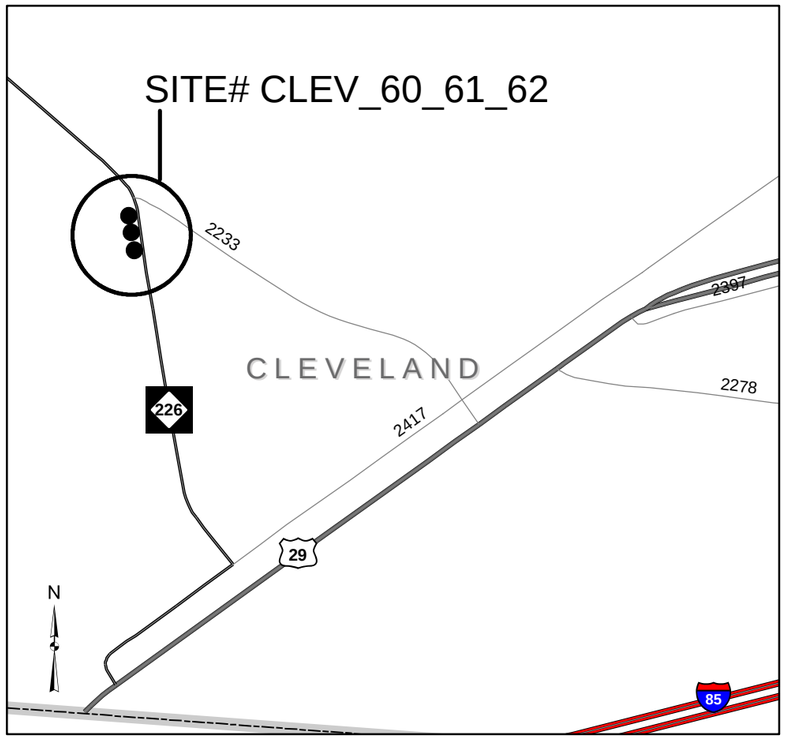


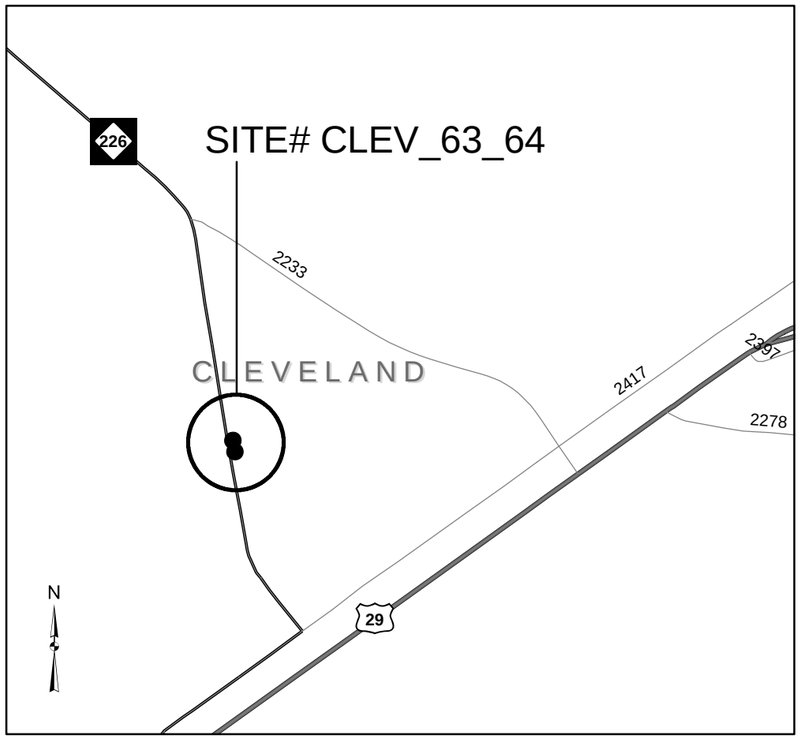
SR 1323 (MAIN ST.) @ SR 1351 (STOCKTON ST.)

SR 1323 (MAIN ST.) @ SR 1318 (WESTLEE ST.) AND
US POST OFFICE ENTRANCE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

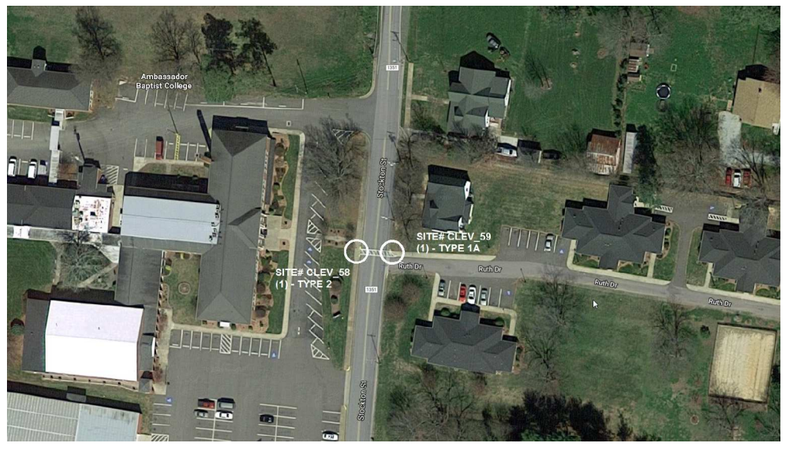




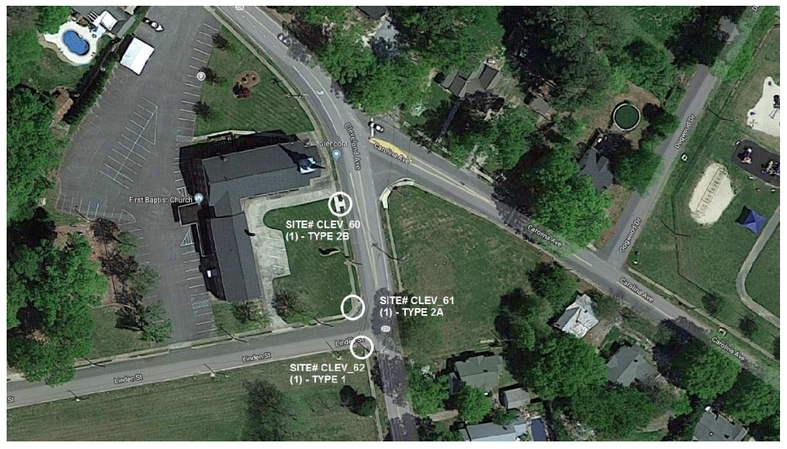


CLEVELAND COUNTY

WBS# 44922.3.17



SR 1351 (STOCKTON ST.) @ RUTH DR.

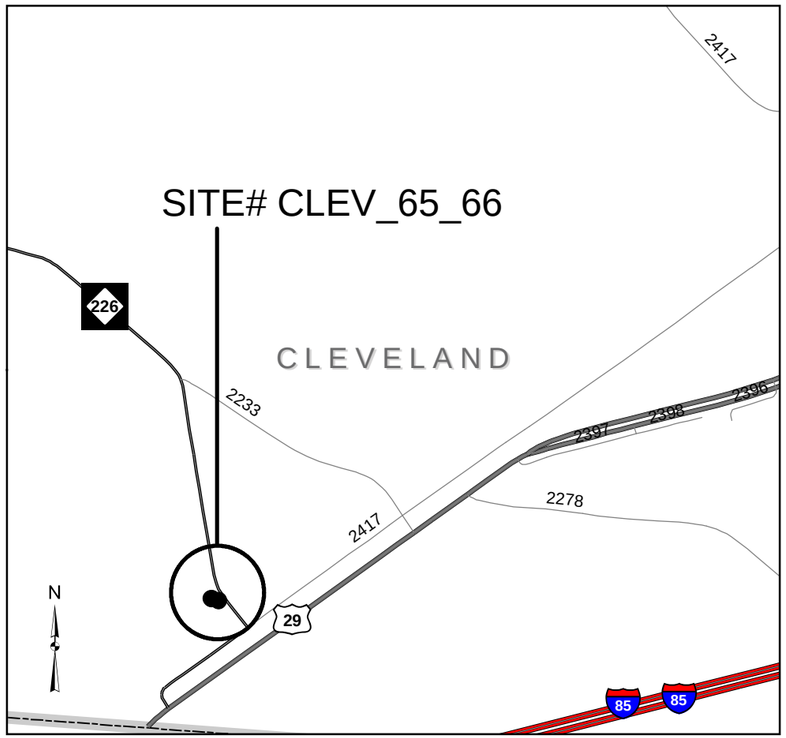


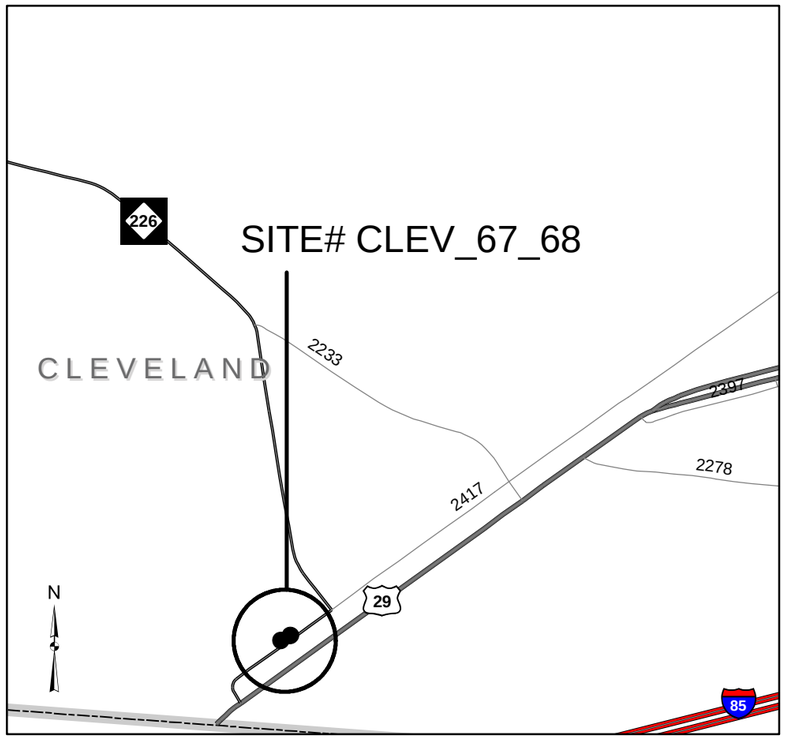
NC 22 @ SR 2233 (CAROLINA AVE.) AND LINDON ST.

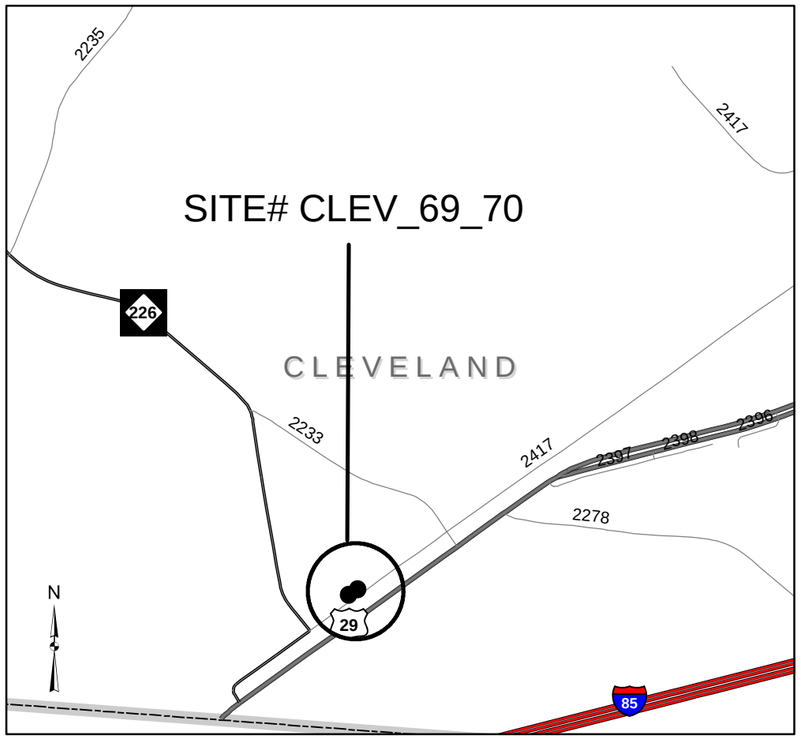
NC 226 @ CHESTNUT ST.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

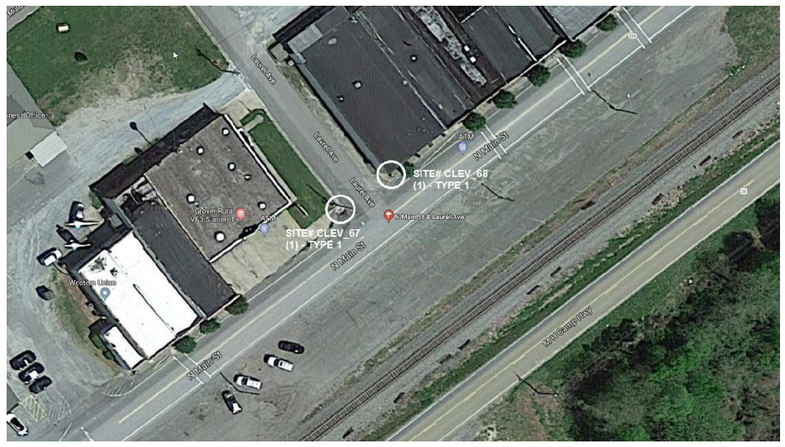
CLEVELAND COUNTY
WBS# 44922.3.17



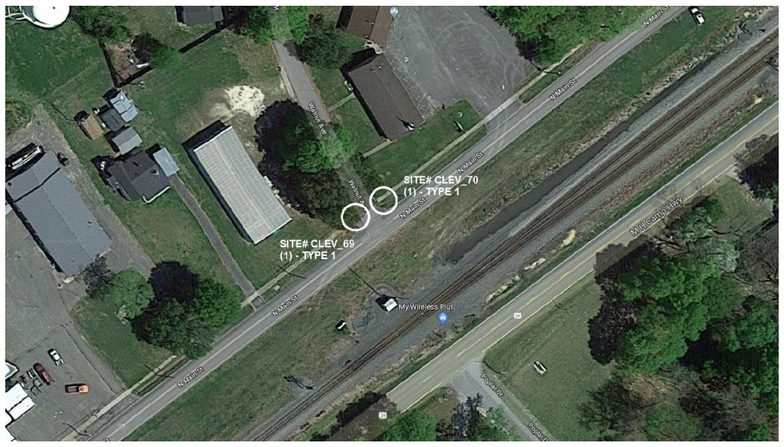




NC 226 @ MULBERRY ST.



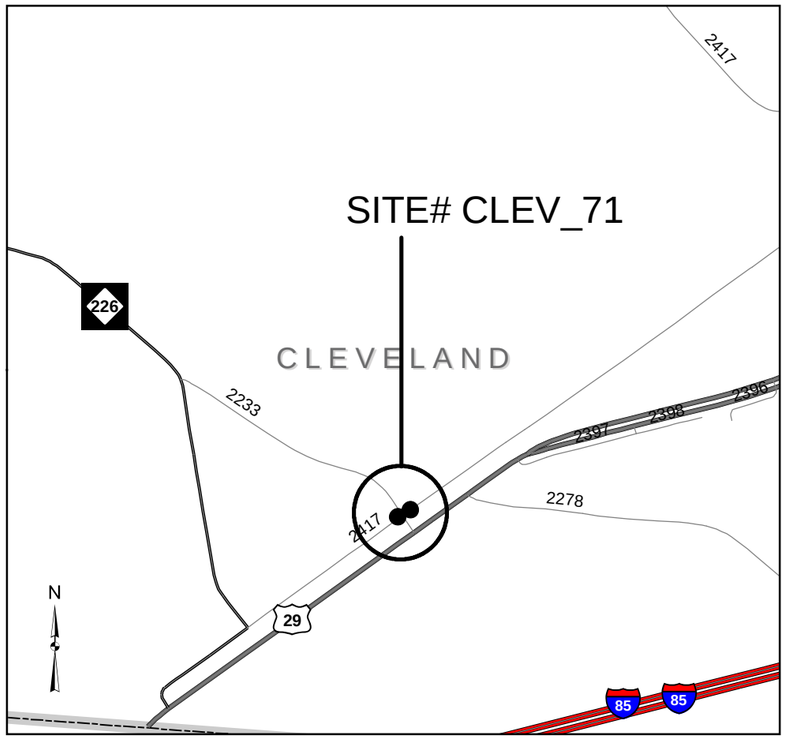
NC 226 @ LAUREL AVE.

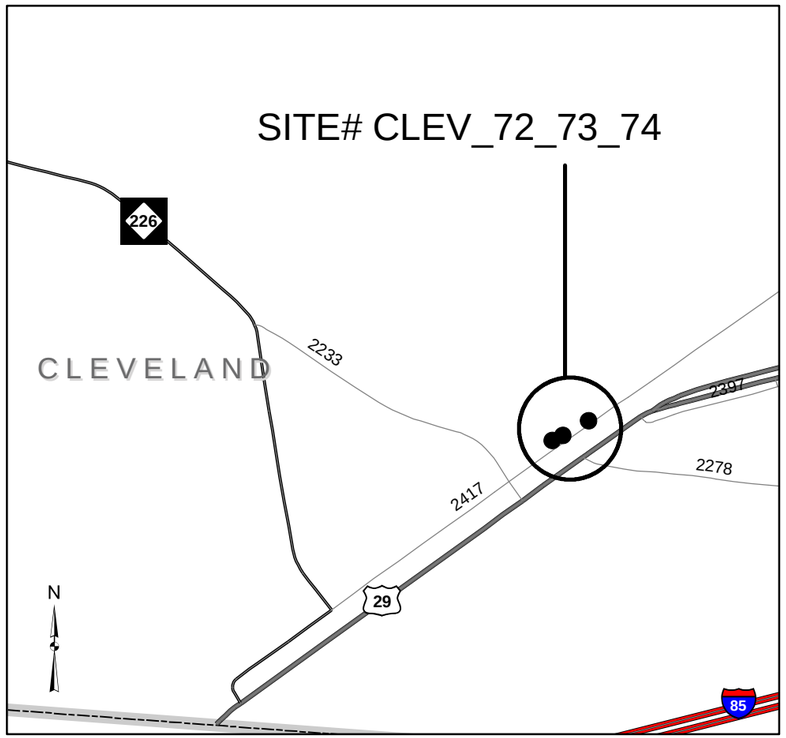


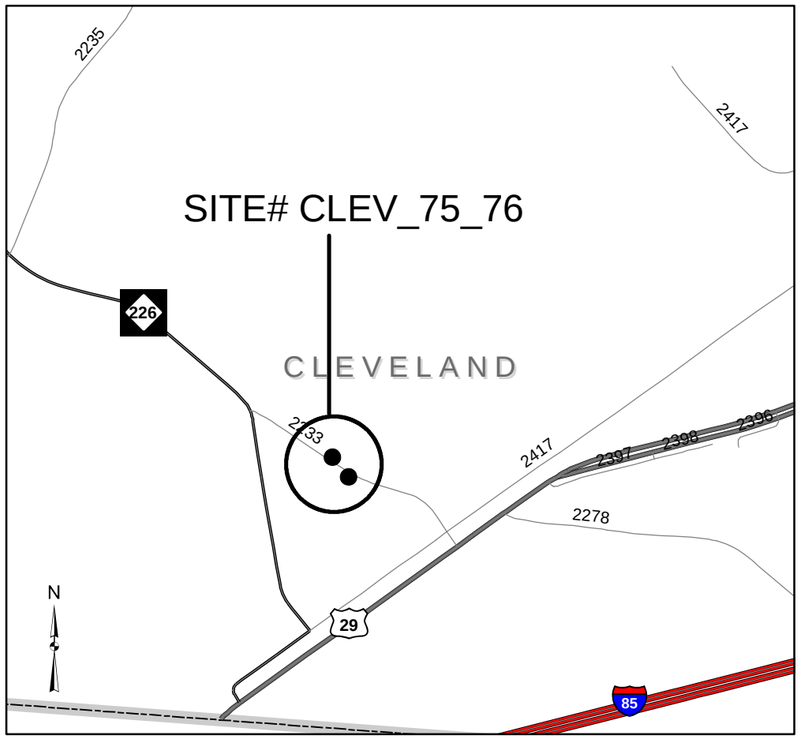
SR 2417 (MAIN ST.) @ WALNUT AVE.

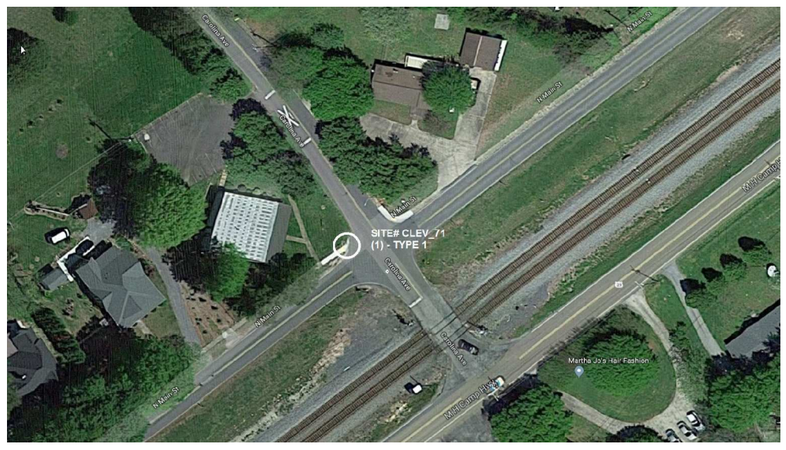
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

CLEVELAND COUNTY
WBS# 44922.3.17

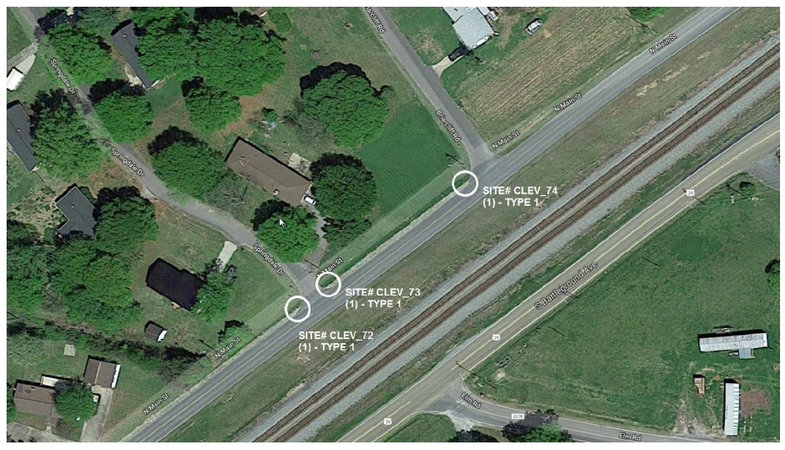




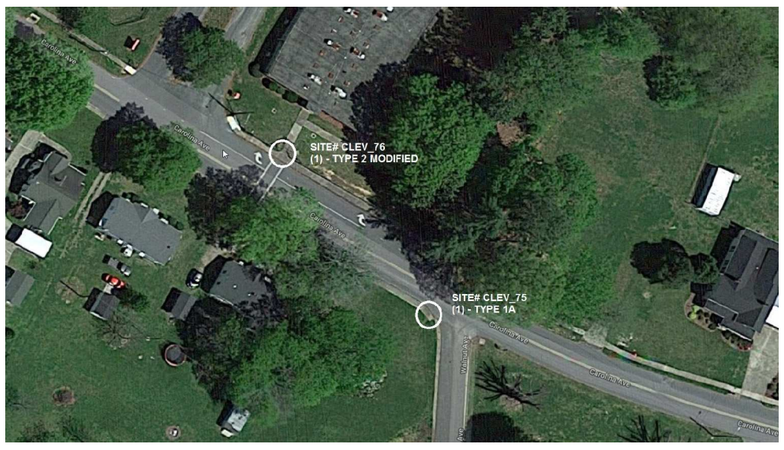




SR 2417 (MAIN ST.) @ SR 2233 (CAROLINA AVE.)

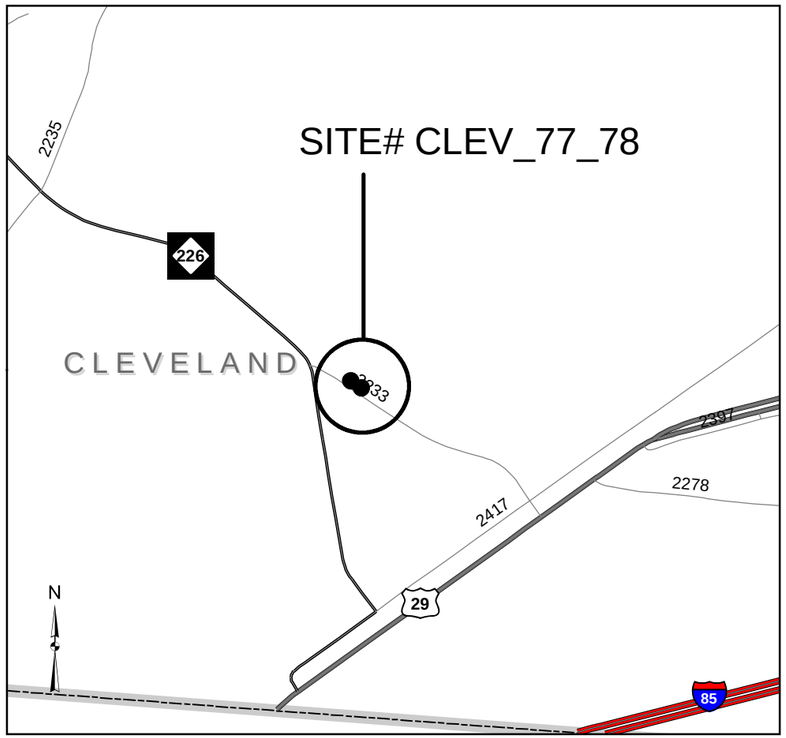


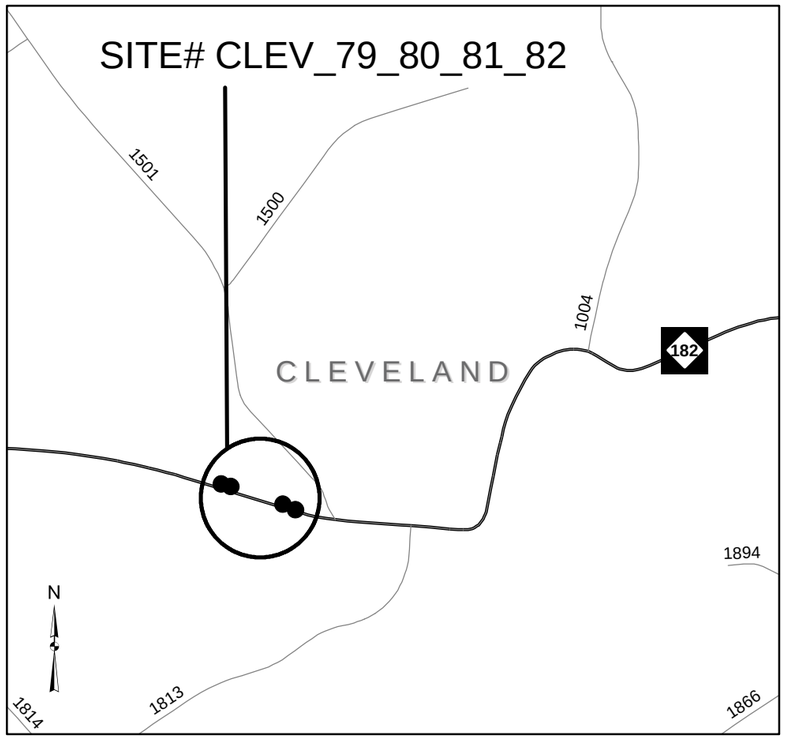
SR 2417 (MAIN ST.) @ SPRINGDALE DR. AND BRIARCLIFF RD.

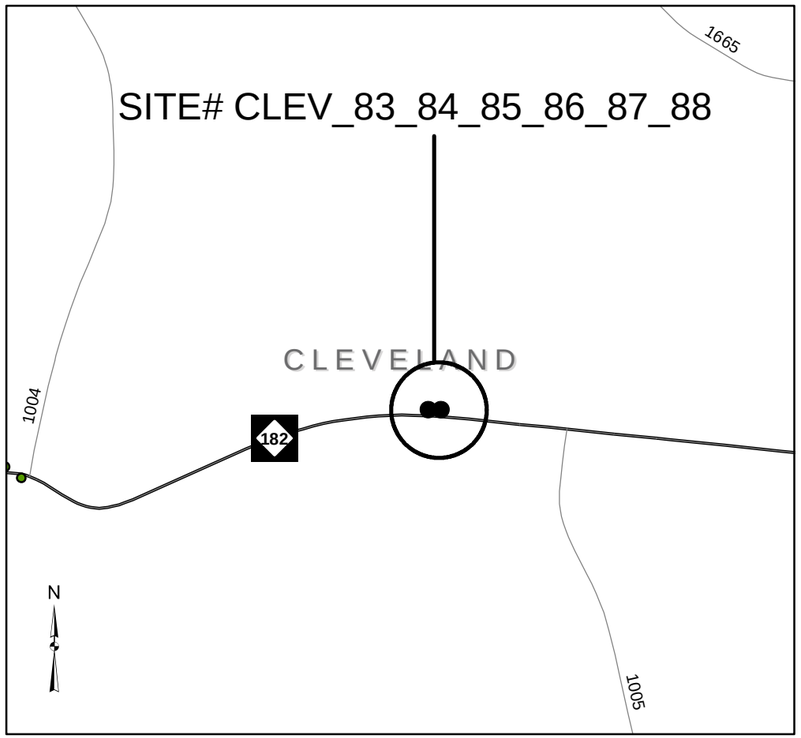


SR 2233 (CAROLINA AVE.) @ WALNUT AVE. AND GROVER ELEMENTARY CROSSWALK

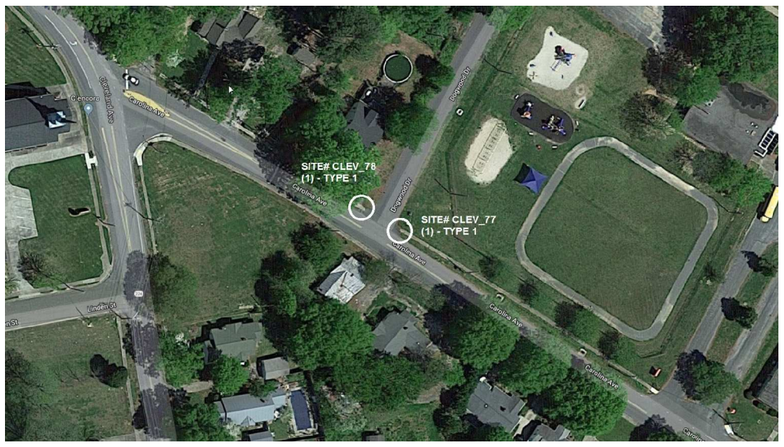
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







CLEVELAND COUNTY
WBS# 44922.3.17

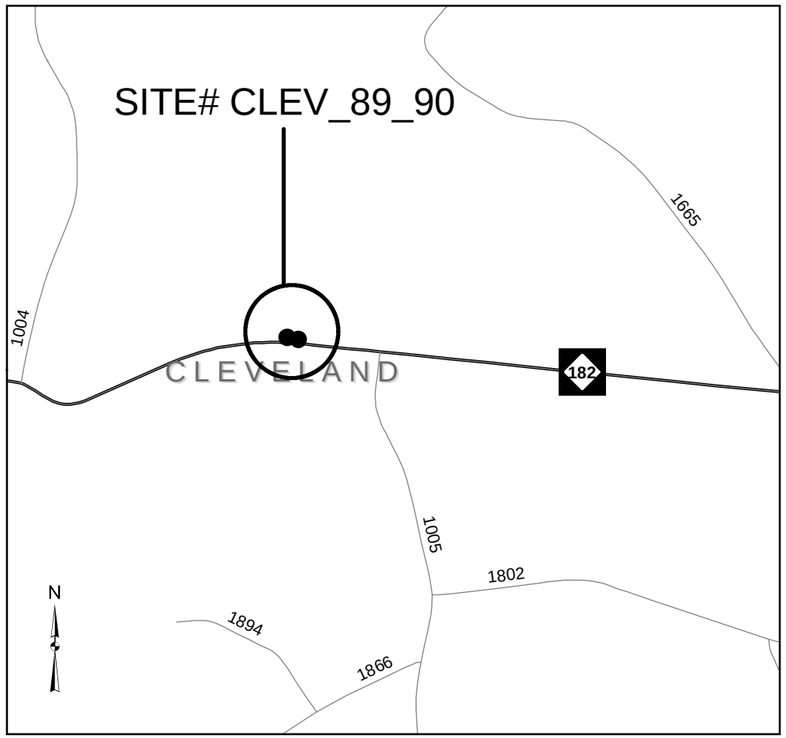


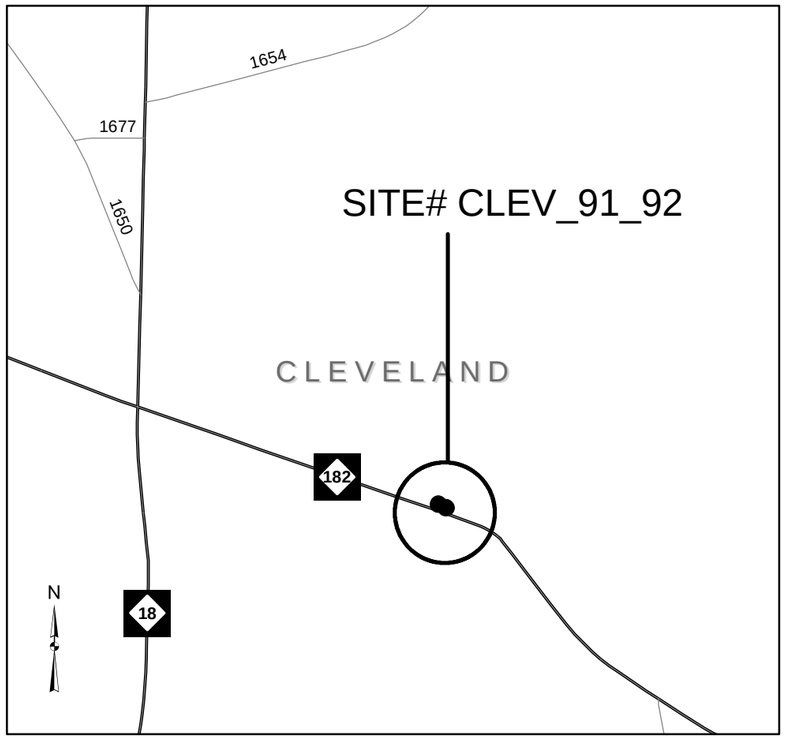
SR 2233 (CAROLINA AVE.) @ DOGWOOD DR.

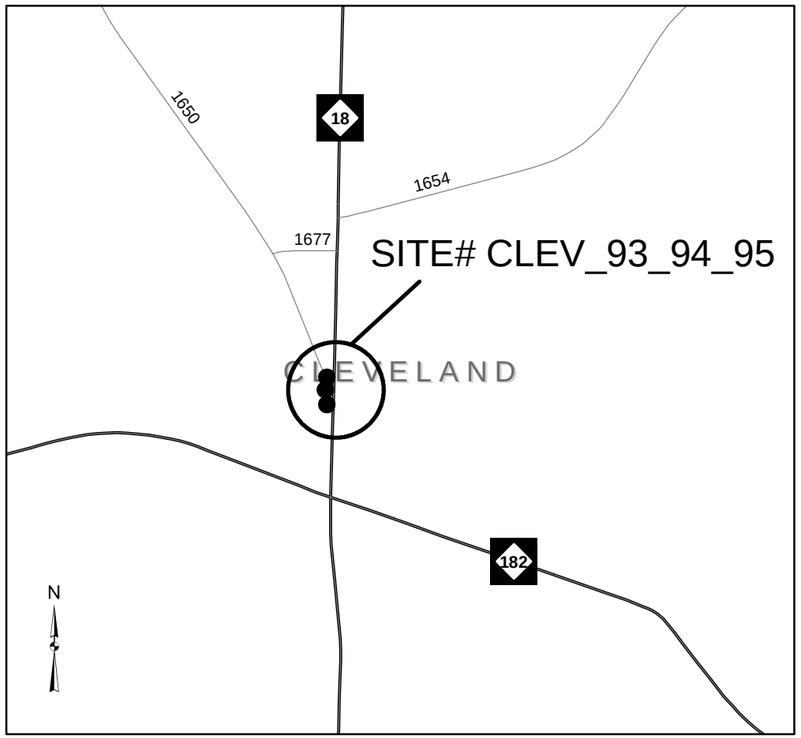
NC 182 @ LEE ST. AND SOUTHARD ST.

NC 182 @ SR-1501 (ELAM ST.), BLANTON ST.,
GARVER ST. AND SR-1813 (SHELBY RD.)

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

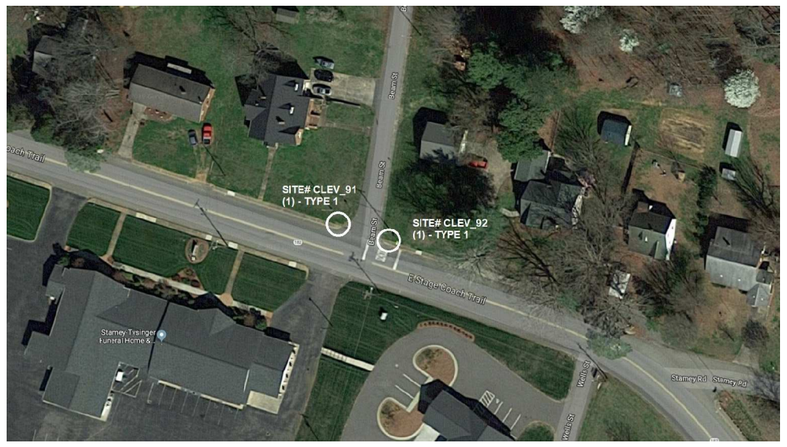




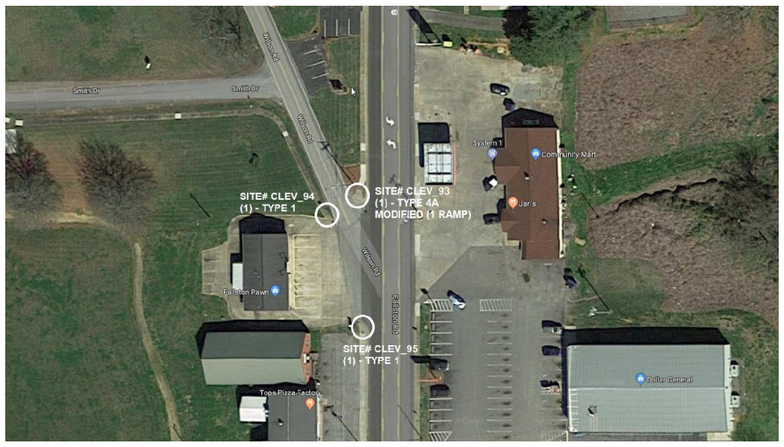


CLEVELAND COUNTY
WBS# 44922.3.17

NC 182 @ PIEDMONT DR.

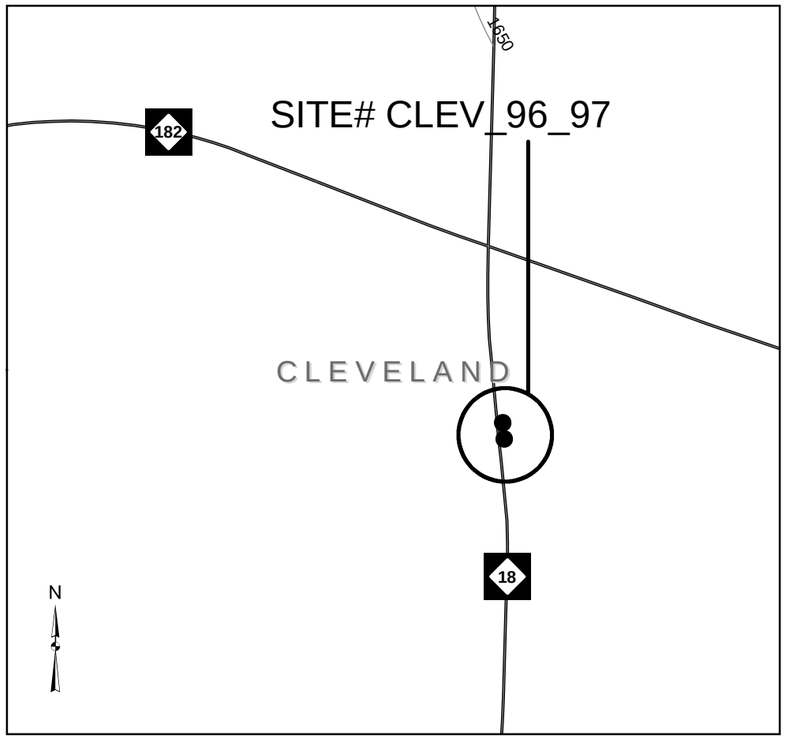


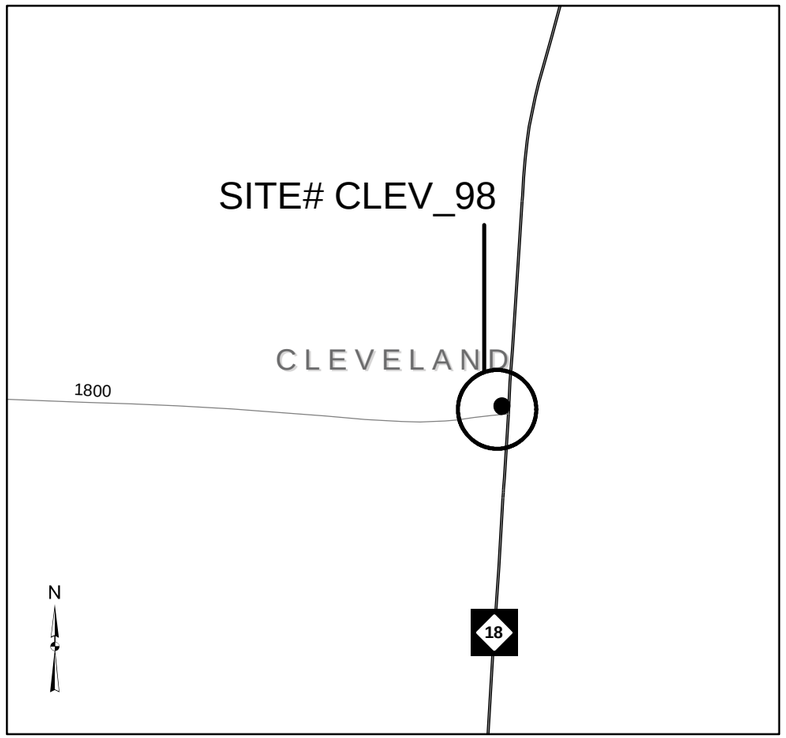
NC 182 @ BEAM ST.

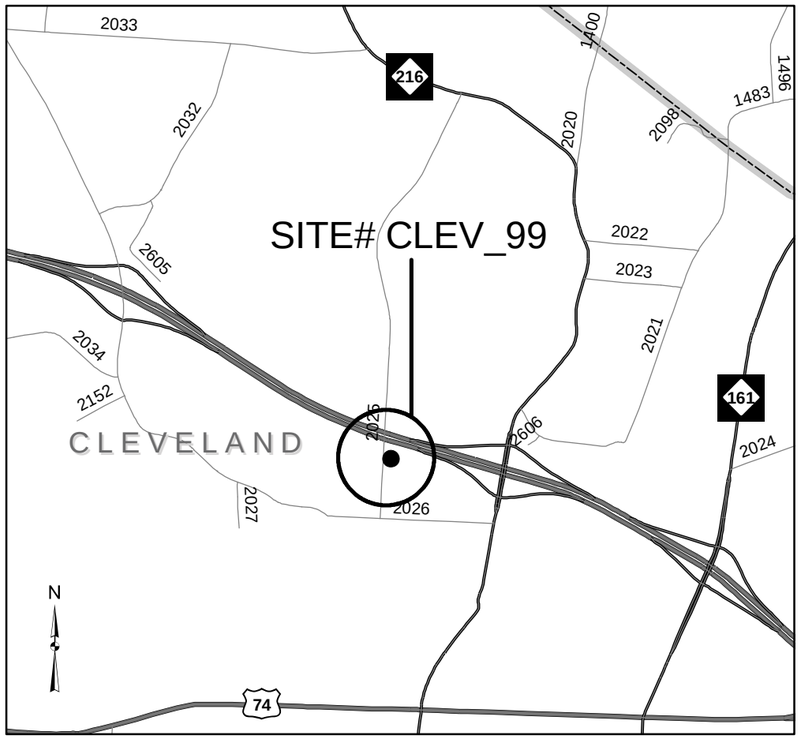


NC 18 @ WILSON RD.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



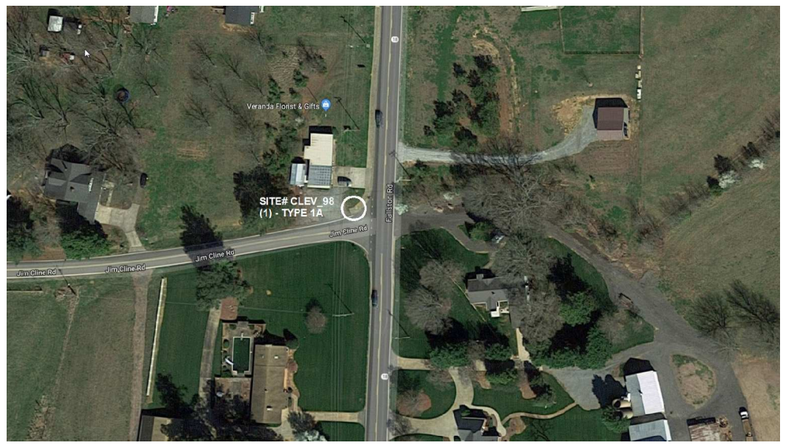




CLEVELAND and GASTON COUNTY

WBS# 44922.3.17 and 44922.3.22

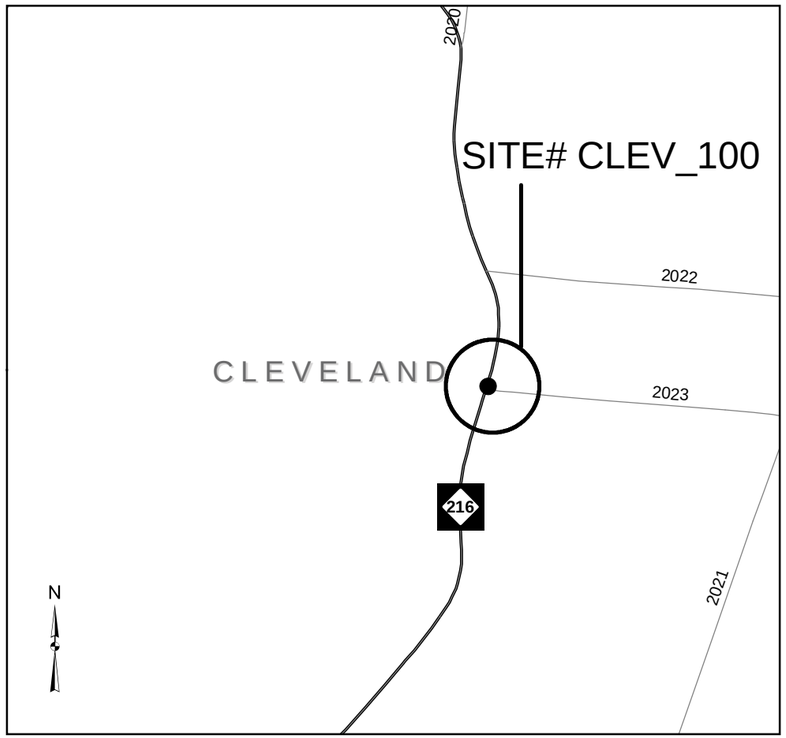
NC 18 @ BOGGS DR. (FALLSTON ELEMENTARY SCHOOL)

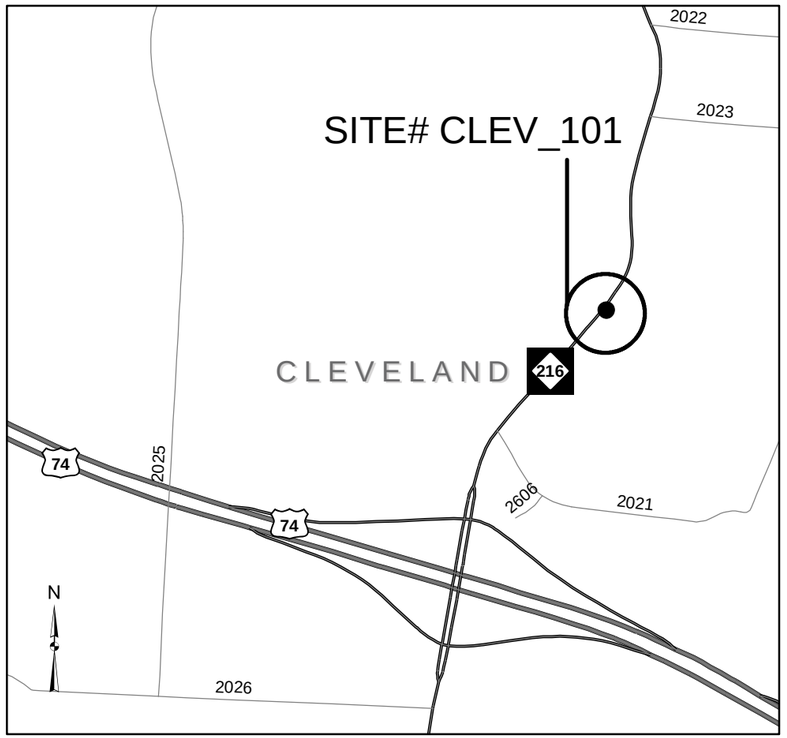


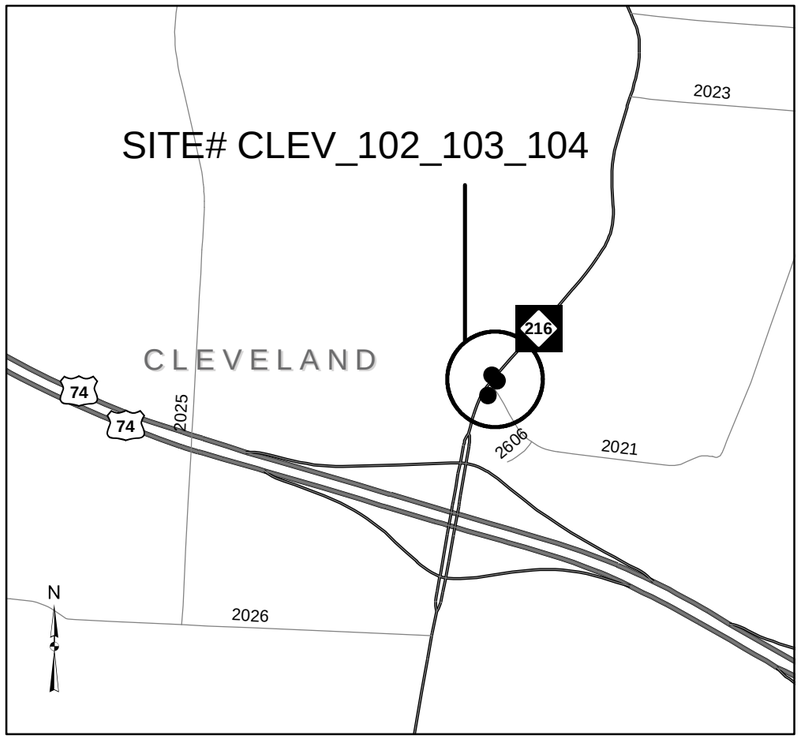
NC 18 @ SR-1800 (JIM CLINE RD.)

SR 2025 (LINWOOD RD.) @ FULTON ST.

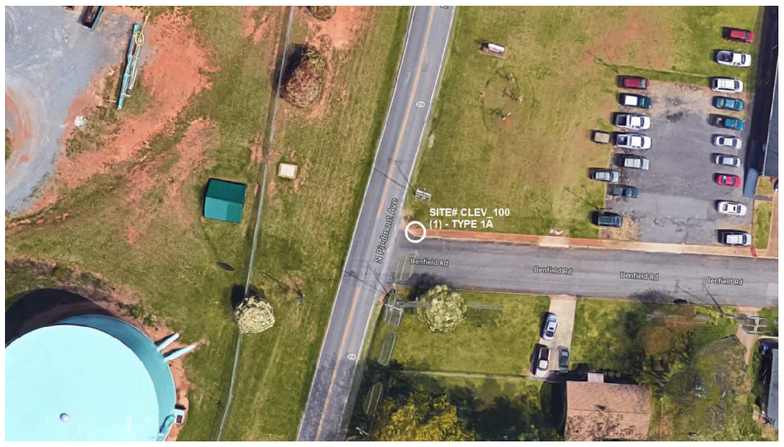
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



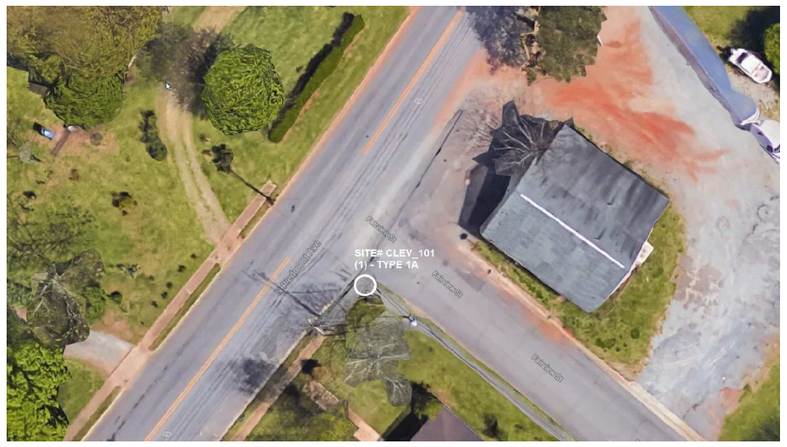




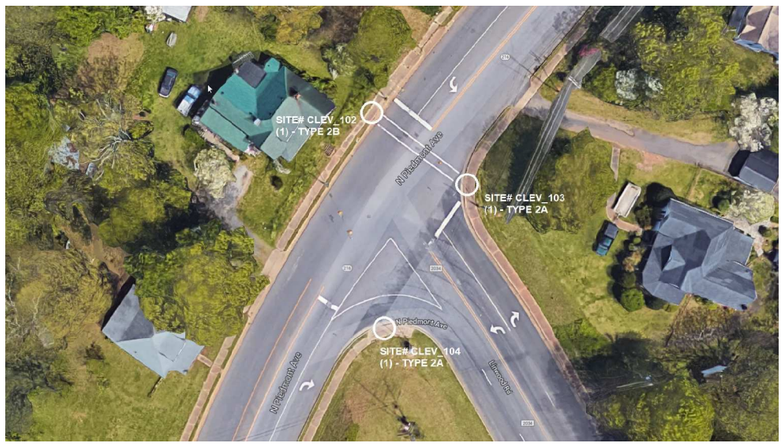
CLEVELAND COUNTY
WBS# 44922.3.22



NC 216 @ BENFIELD RD.



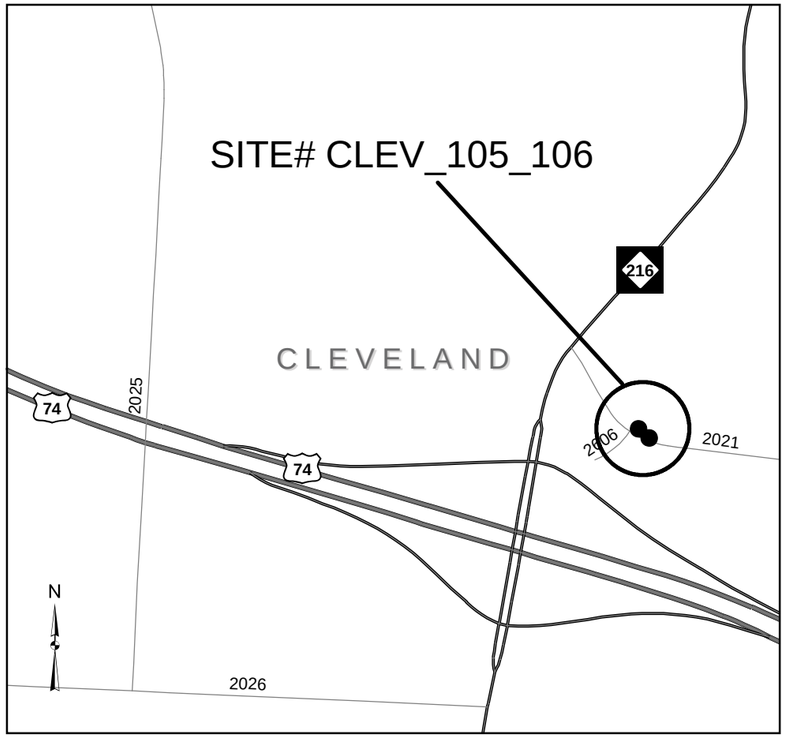
NC 216 @ FAIRVIEW ST.

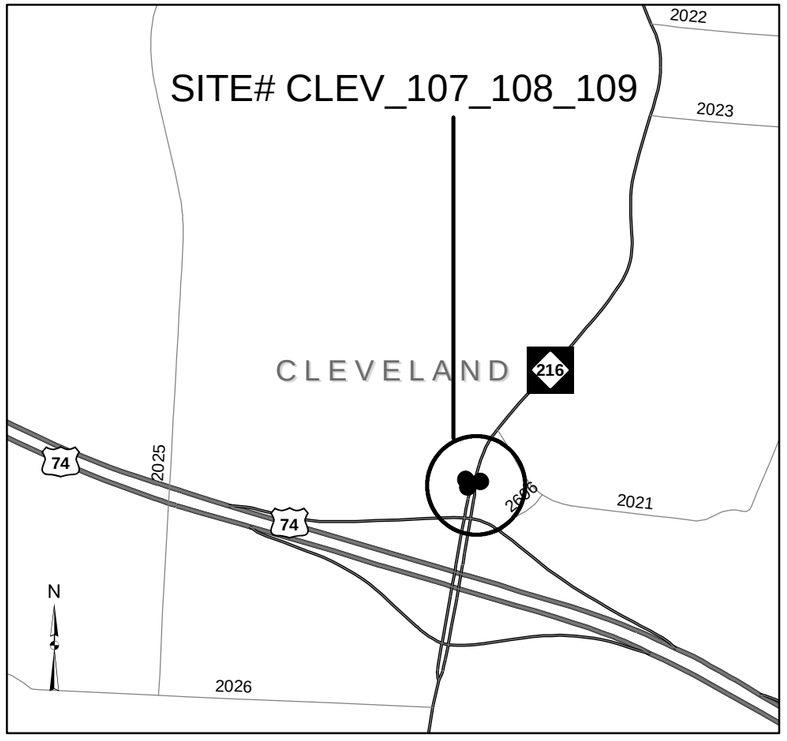


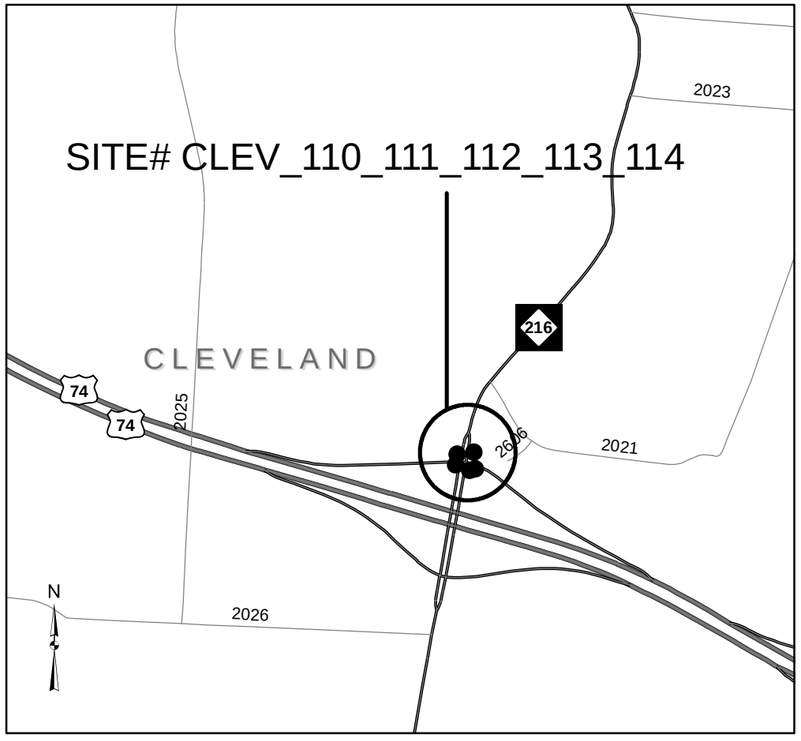
NC 216 @ SR 2021 (LINWOOD RD.)

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

CLEVELAND COUNTY
WBS# 44922.3.22

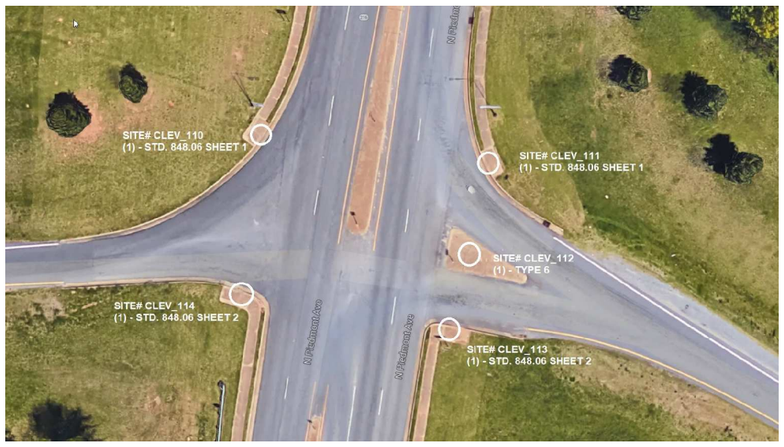






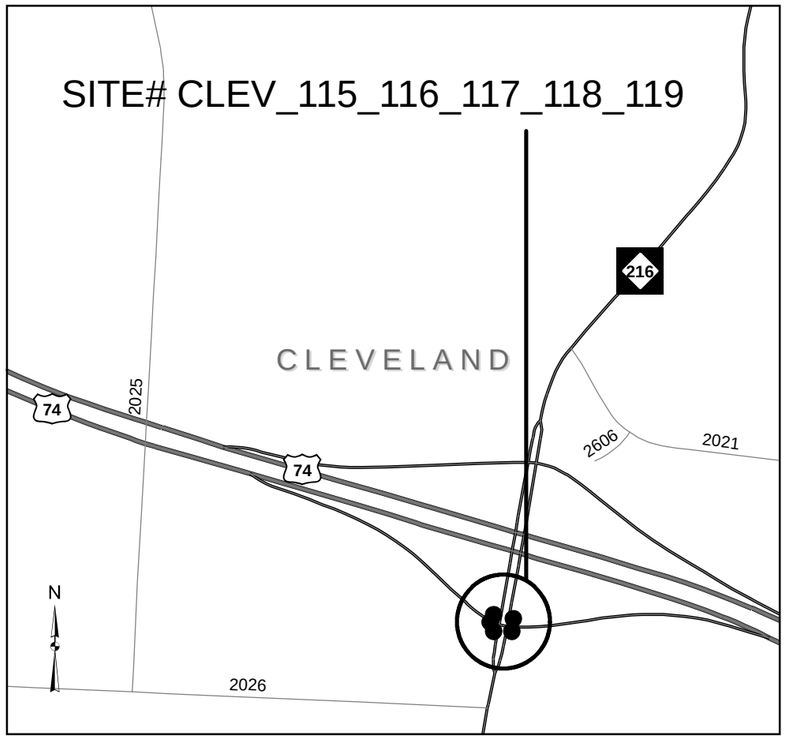
SR 2021 (LINWOOD RD.) @ PHILLIPS DR.

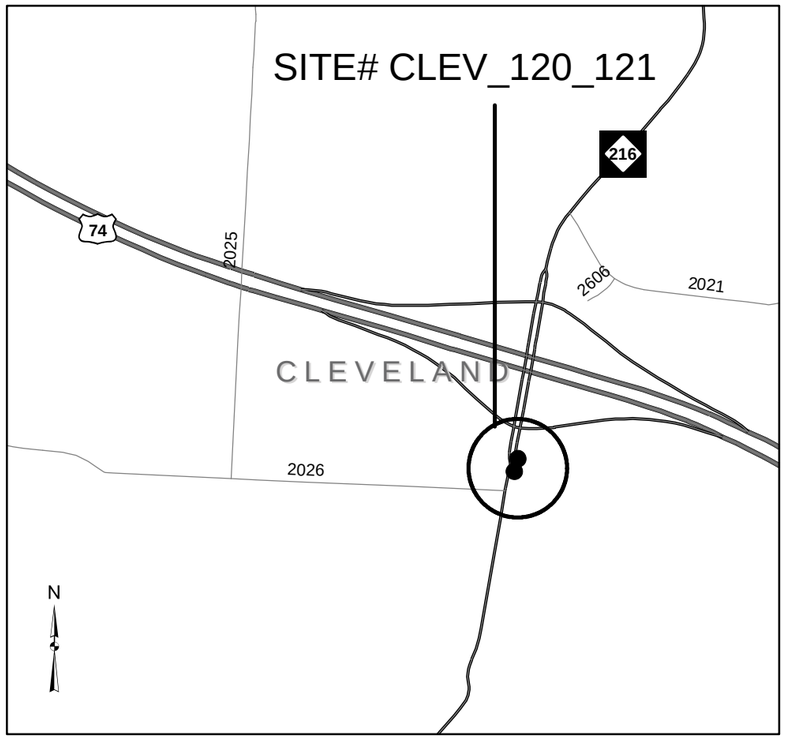
NC 216 @ LACKEY ST.

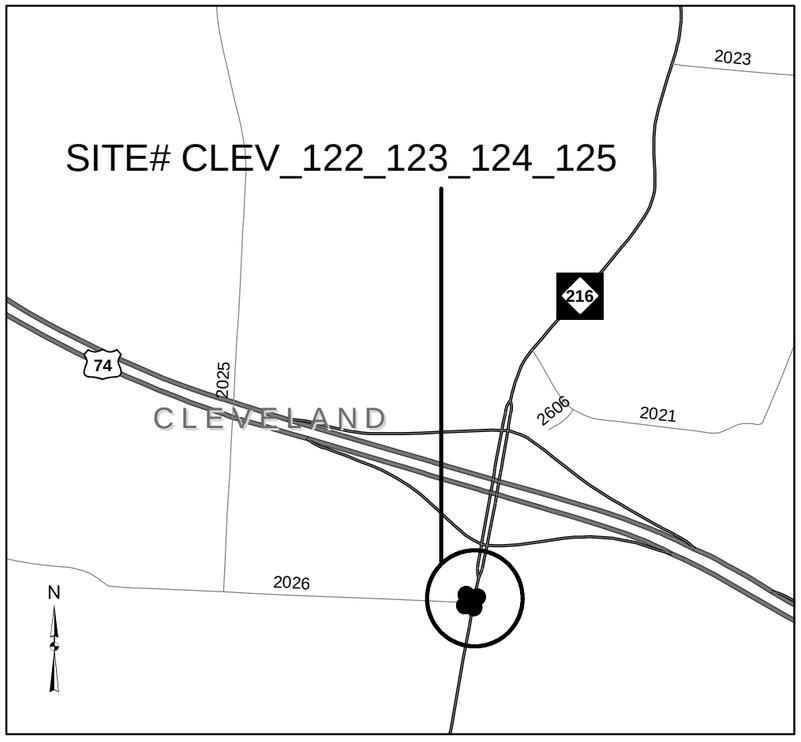


NC 216 @ US 74 RAMP

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

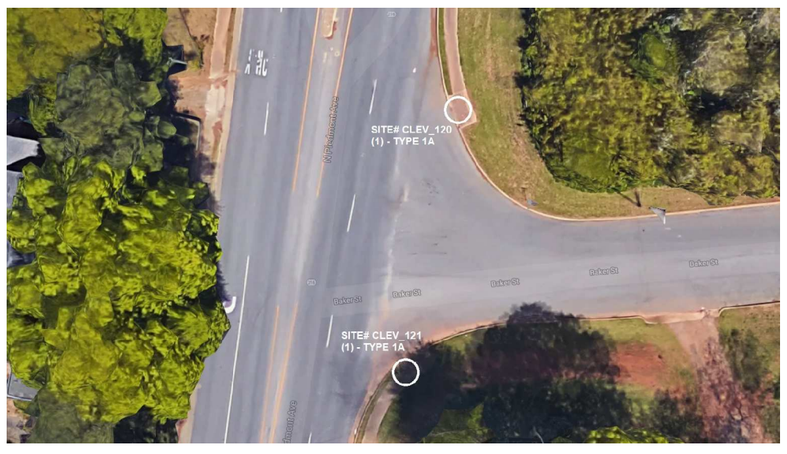




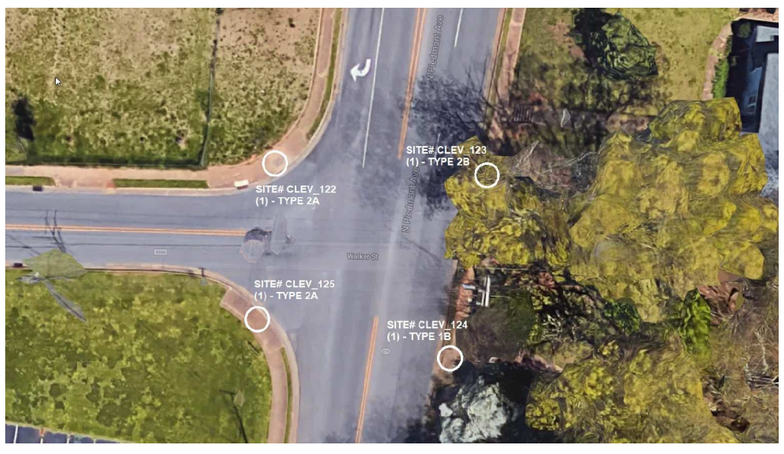


CLEVELAND COUNTY
WBS# 44922.3.22

NC 216 @ US 74 RAMP

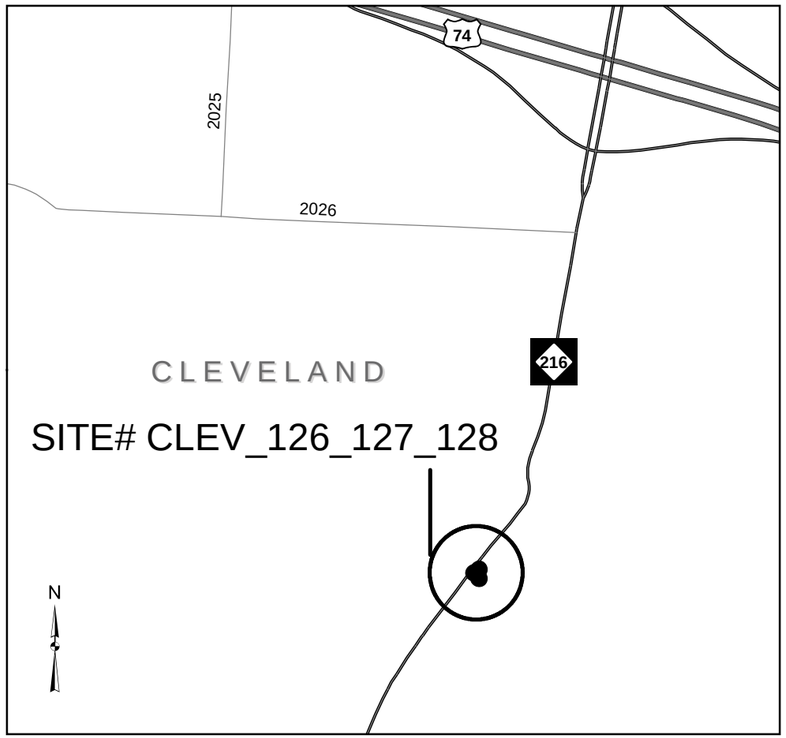


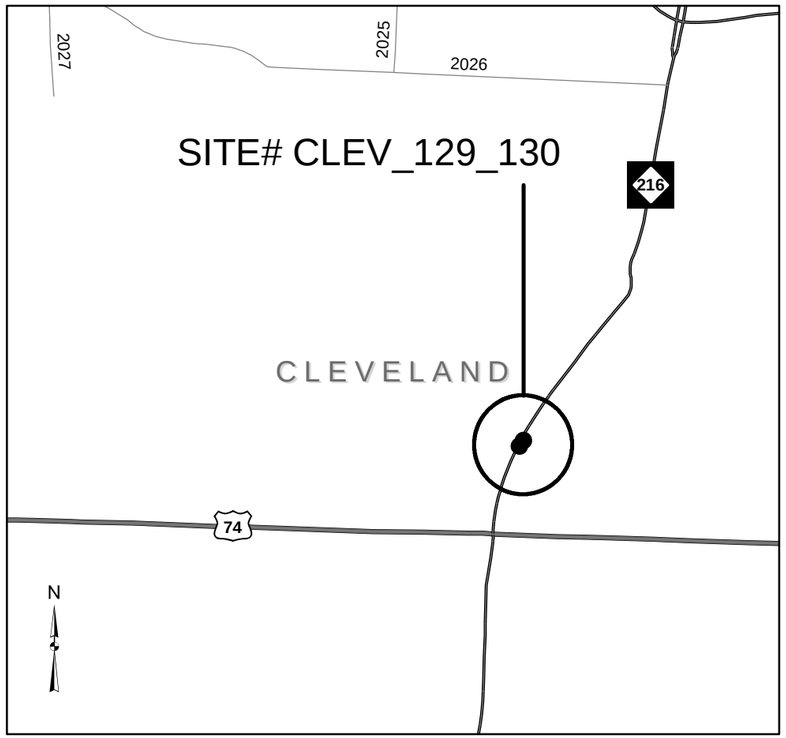
NC 216 @ BAKER ST.

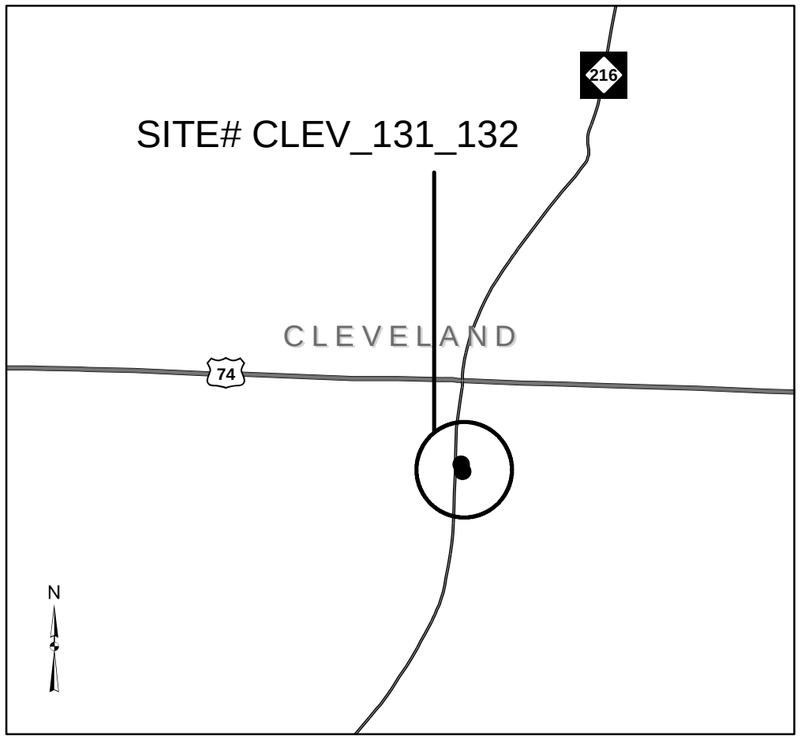


NC 216 @ WALKER ST.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







CLEVELAND COUNTY
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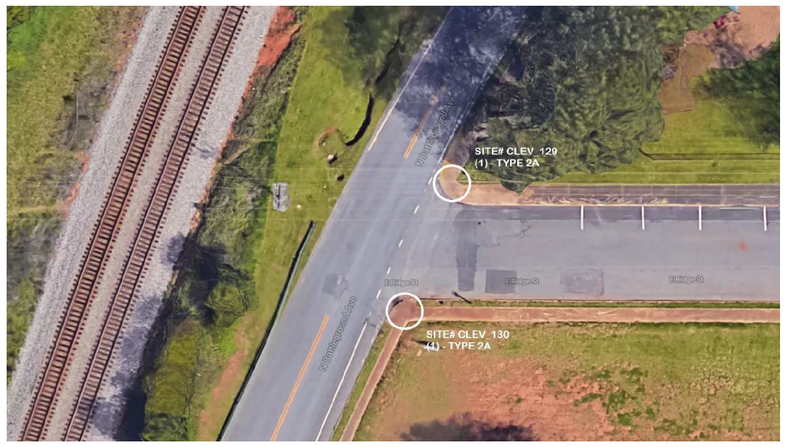
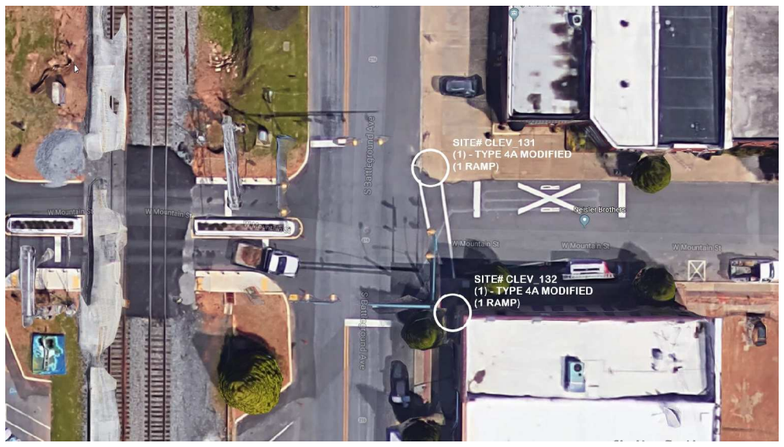
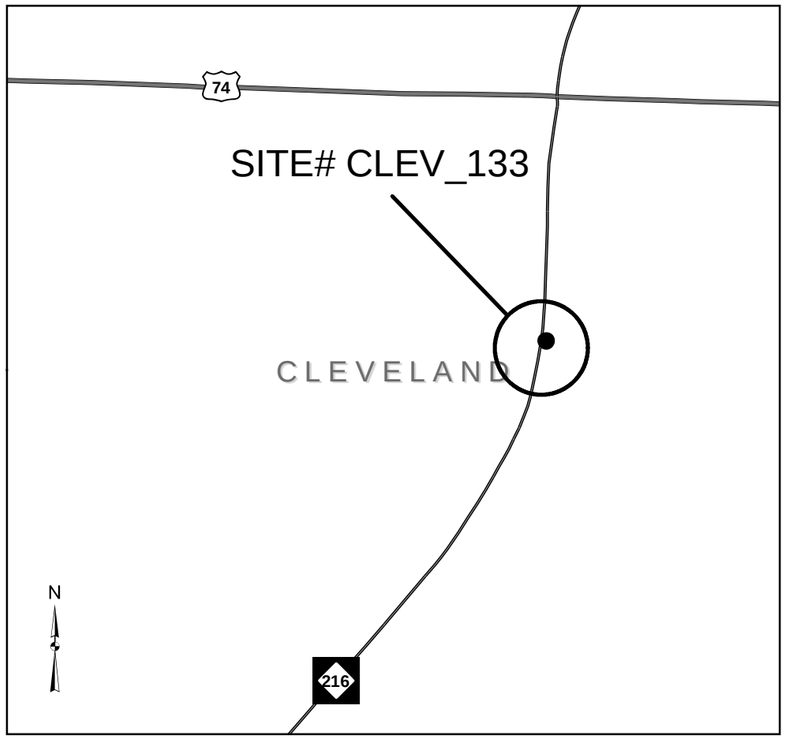
NC 216 @ E. PARKER ST.

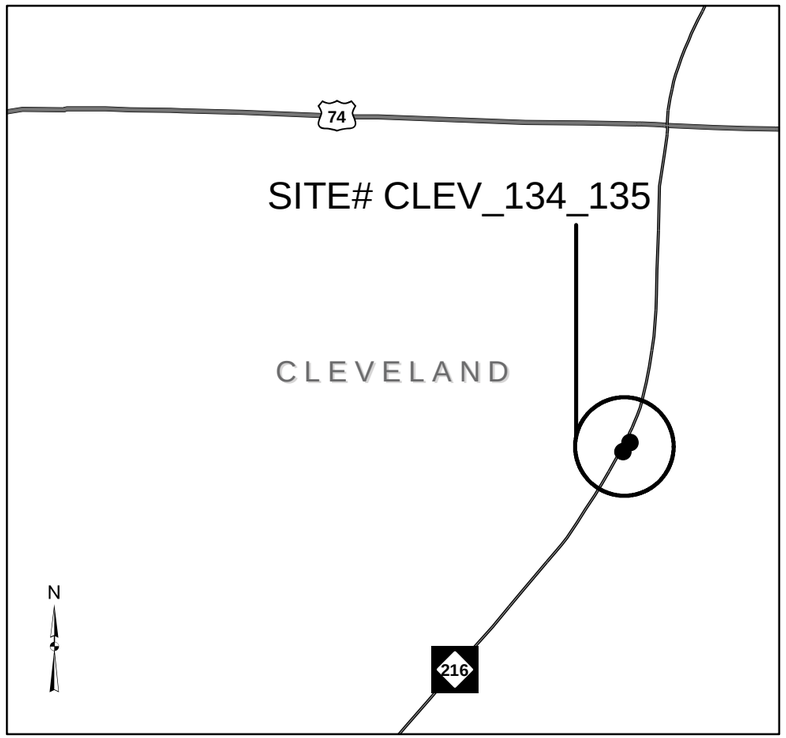


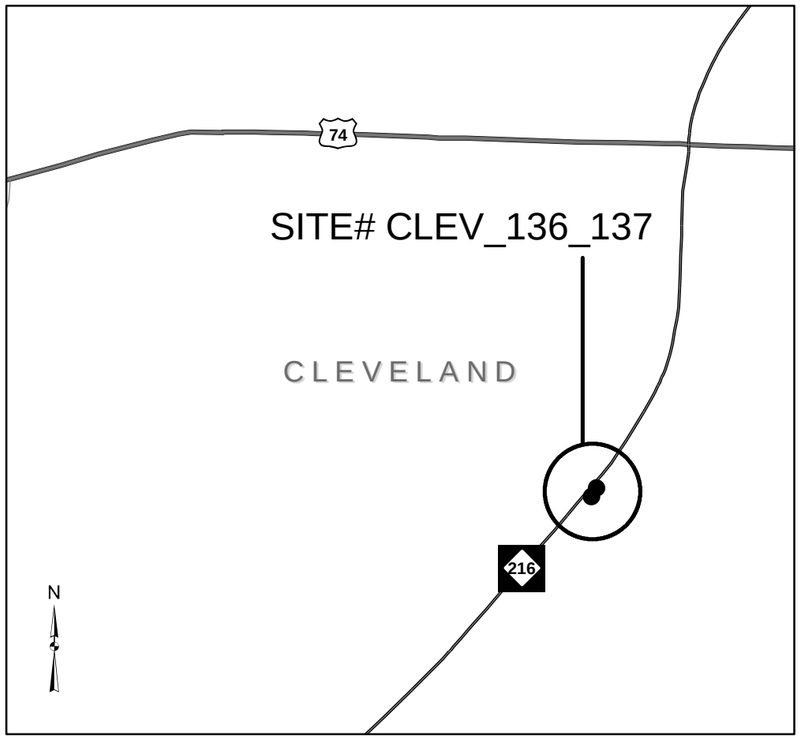
NC 216 @ E. RIDGE ST.



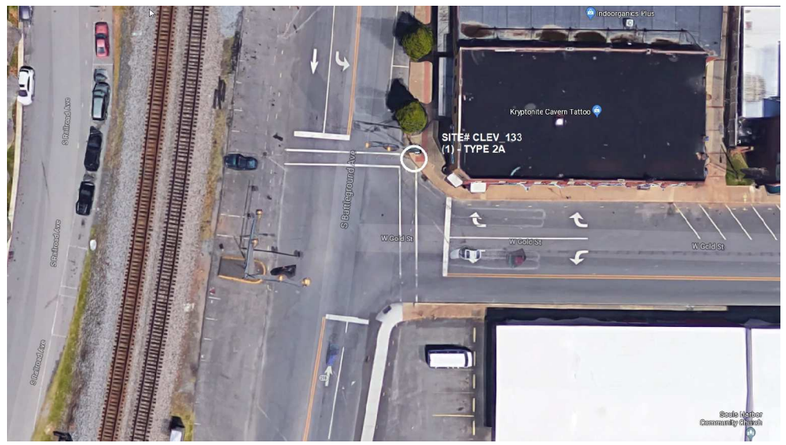
NC 216 @ W. MOUNTAIN ST.



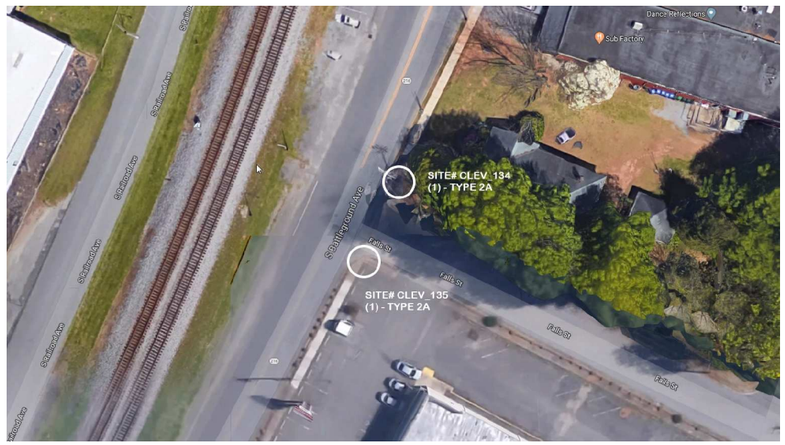




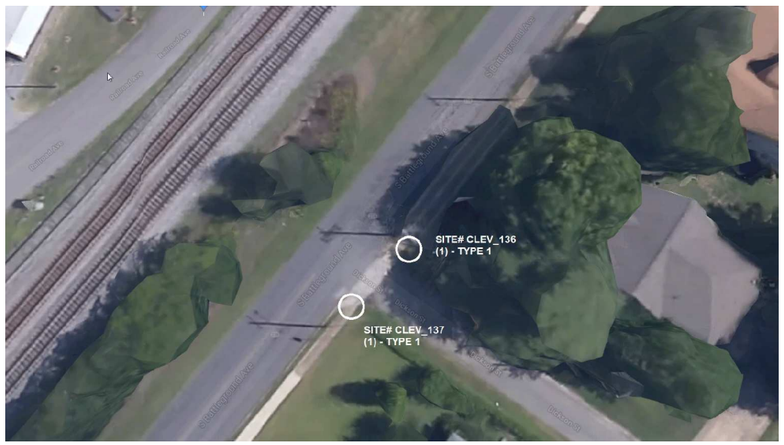
CLEVELAND COUNTY
WBS# 44922.3.22



NC 216 @ W. GOLD ST.



NC 216 @ E. FALLS ST.



NC 216 @ DICKSON ST.

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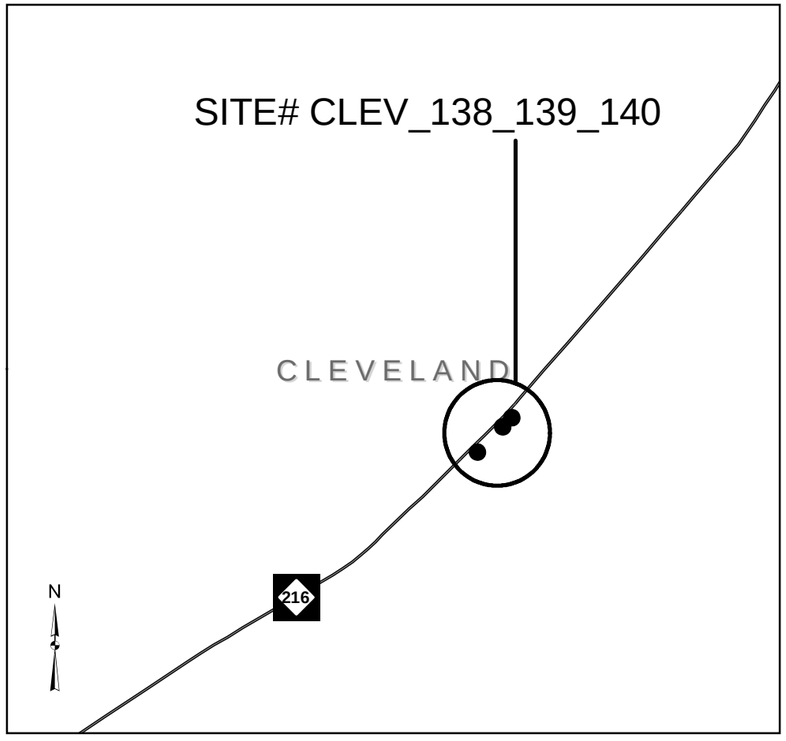
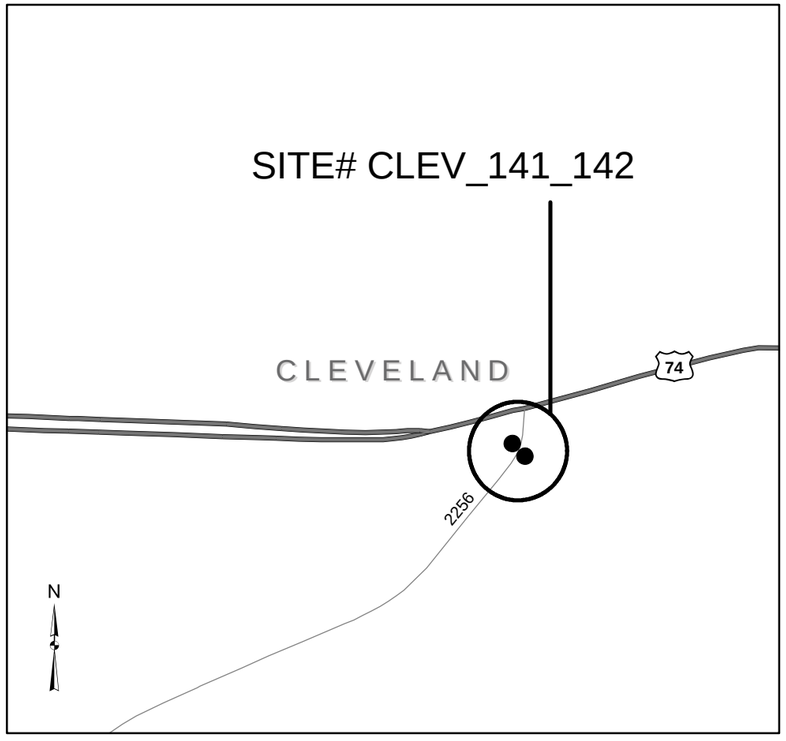
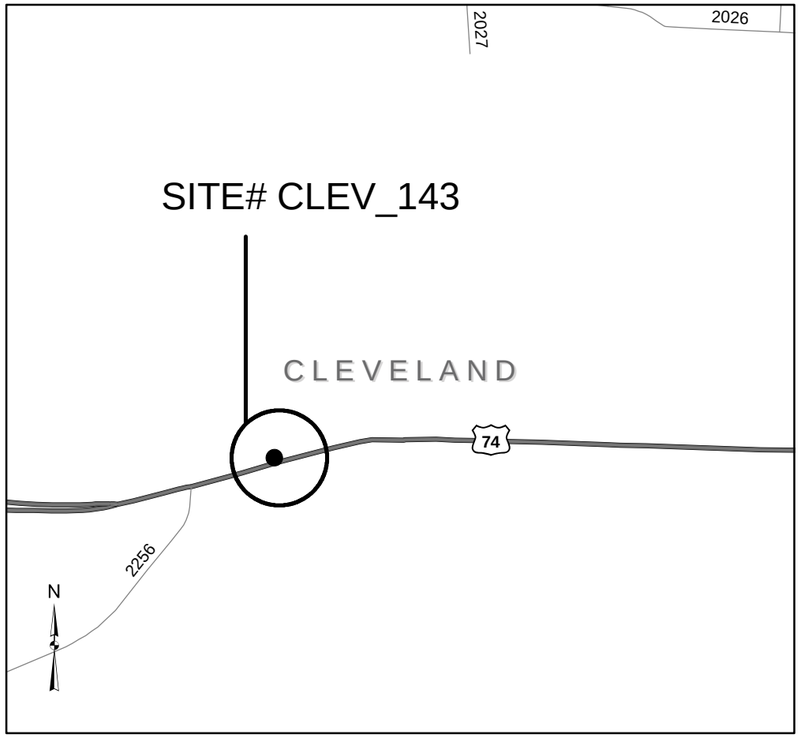
DEPARTMENT OF TRANSPORTATION







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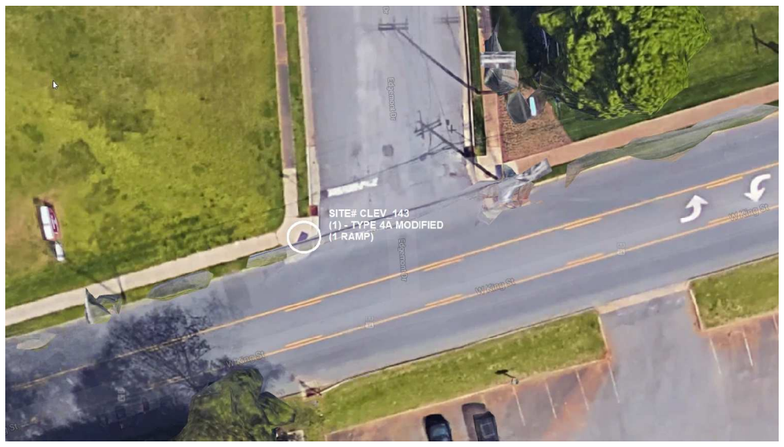
NC 216 @ WELLS ST. AND QUARRY RD.

SR 2256 (PHIFER RD.) @ W. MOUNTAIN ST.



US 74 BUS (KINGS ST.) @ EDGEMONT DR.

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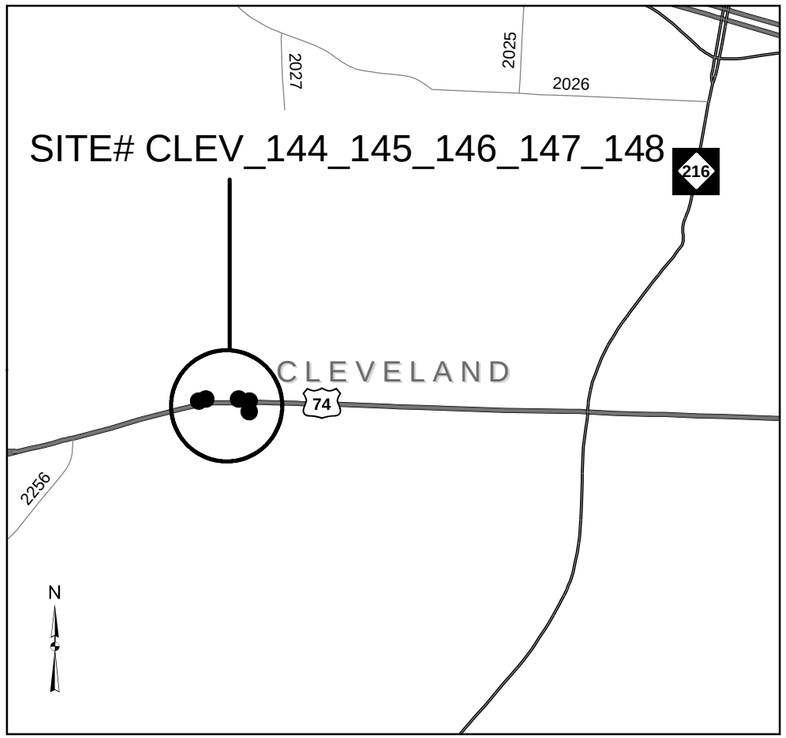
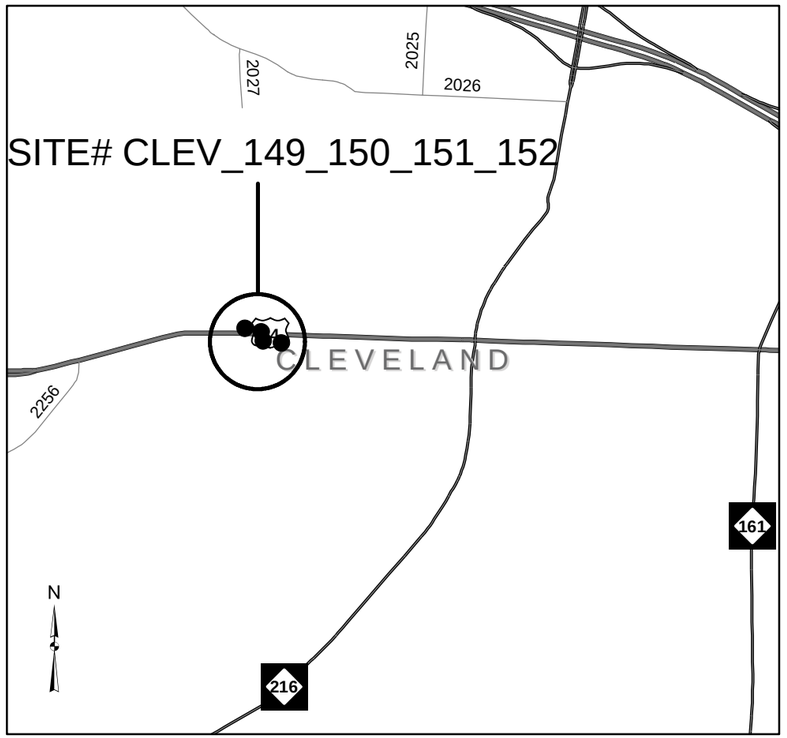
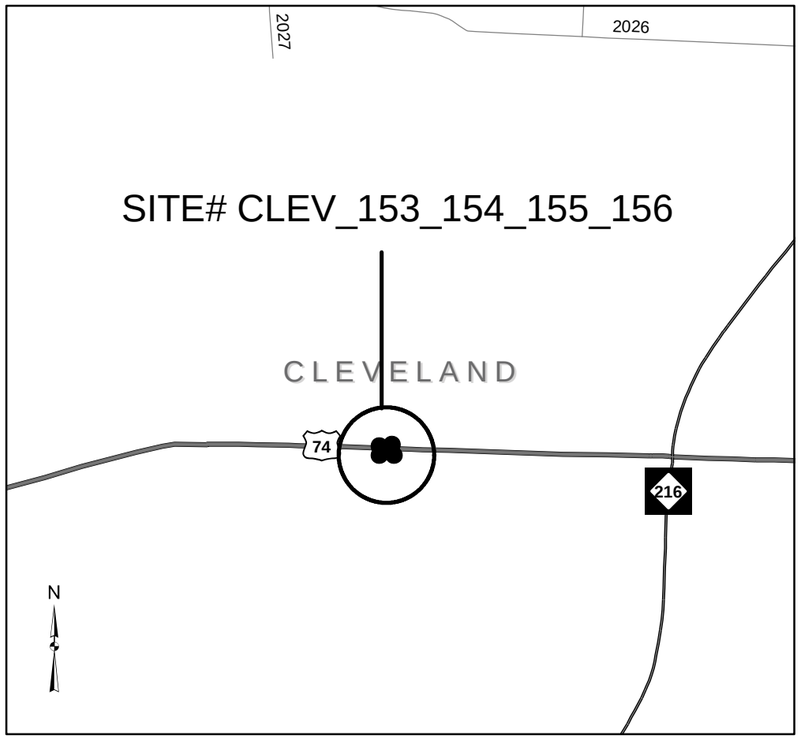
DEPARTMENT OF TRANSPORTATION







CLEVELAND COUNTY
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US 74 BUS (KINGS ST.) @ HOSPITAL DRIVEWAY AND SIMS ST.

US 74 BUS (KINGS ST.) @ GOFORTH ST.

US 74 BUS (KINGS ST.) @ WATTERSON ST.

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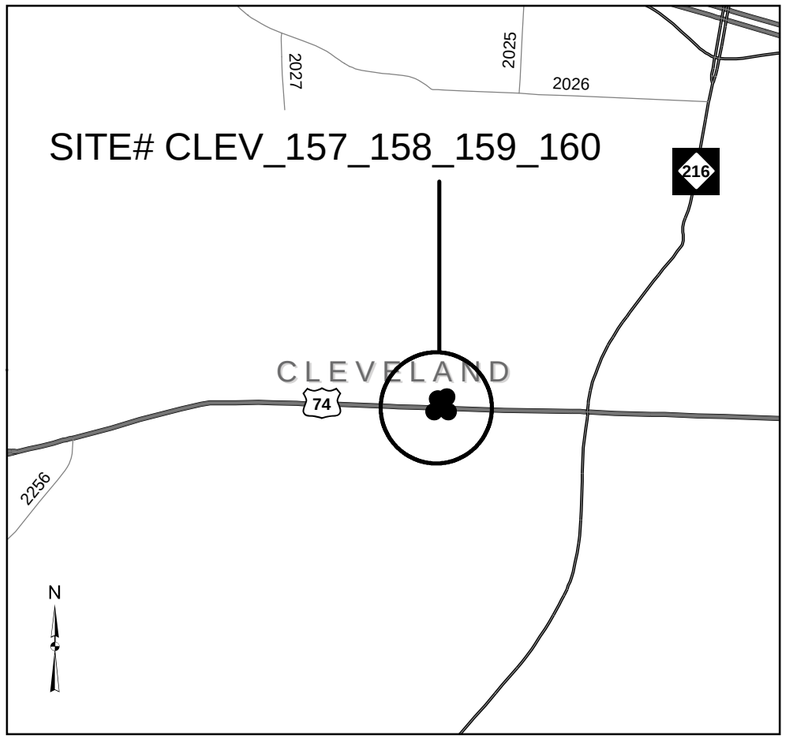
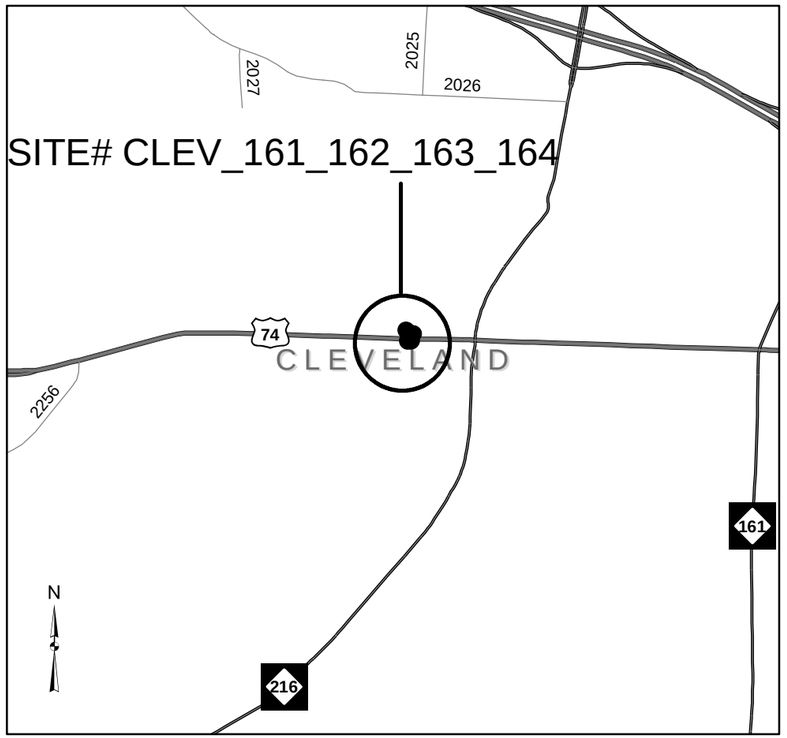
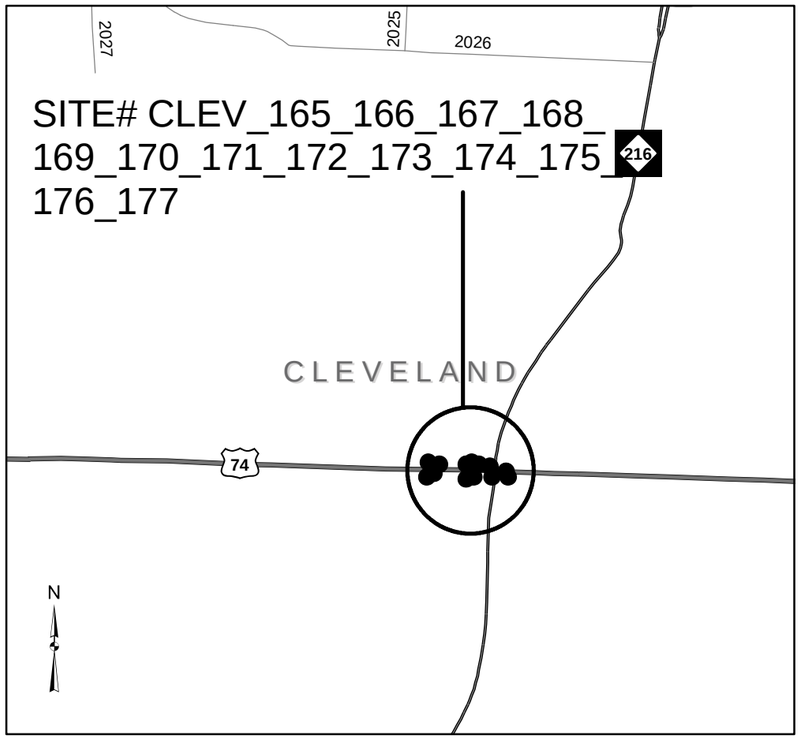
DEPARTMENT OF TRANSPORTATION







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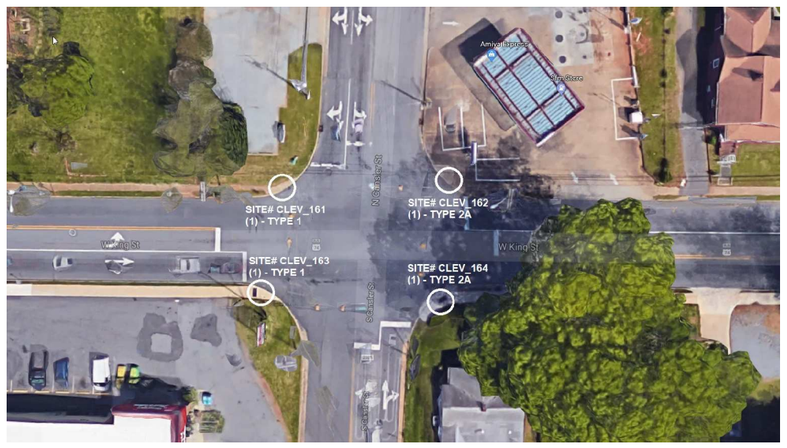
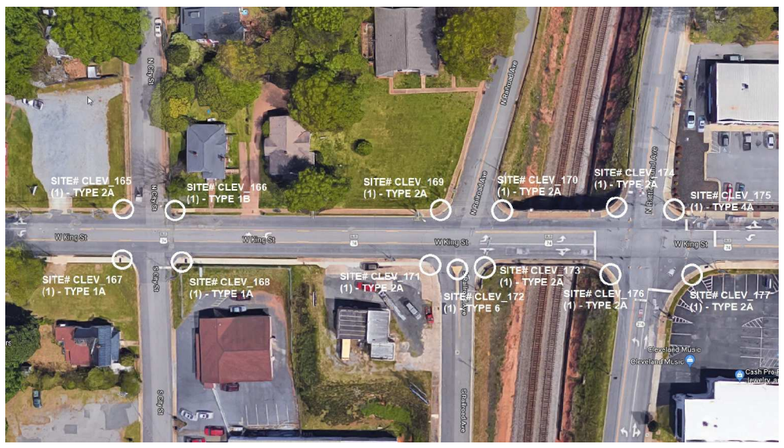
US 74 BUS (KINGS ST.) @ TRACY ST.

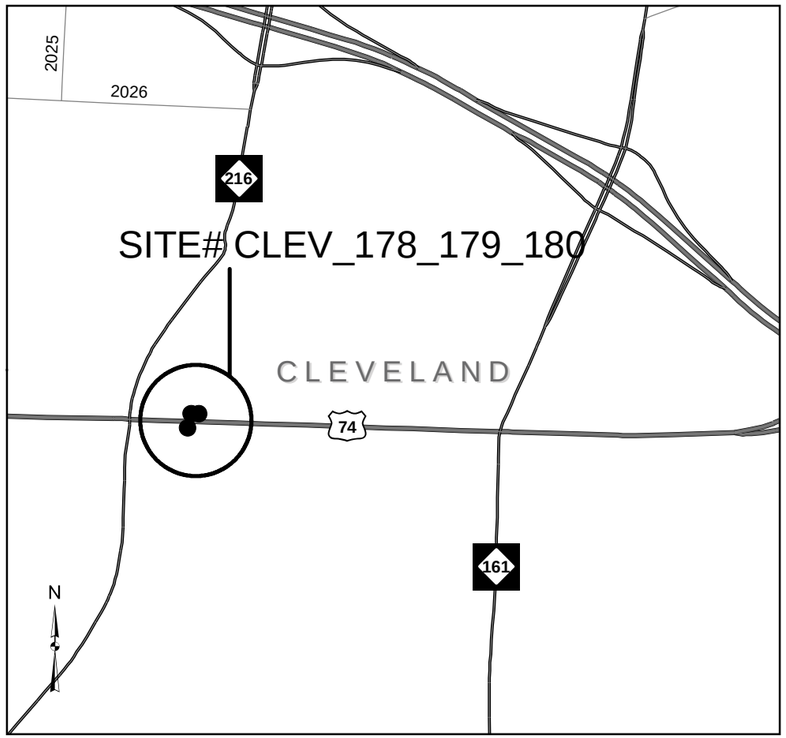


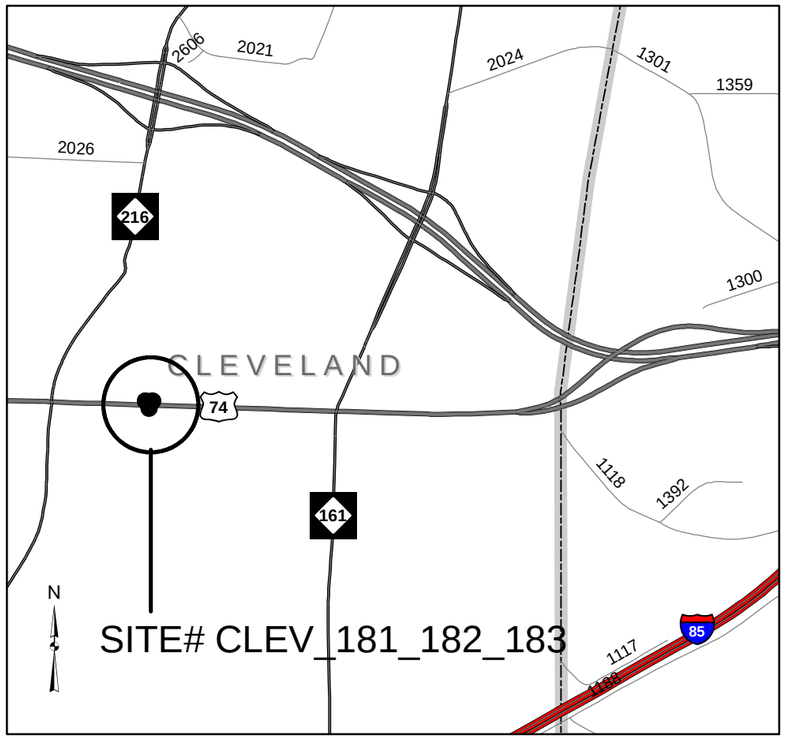
US 74 BUS (KINGS ST.) @ CANSLER ST.

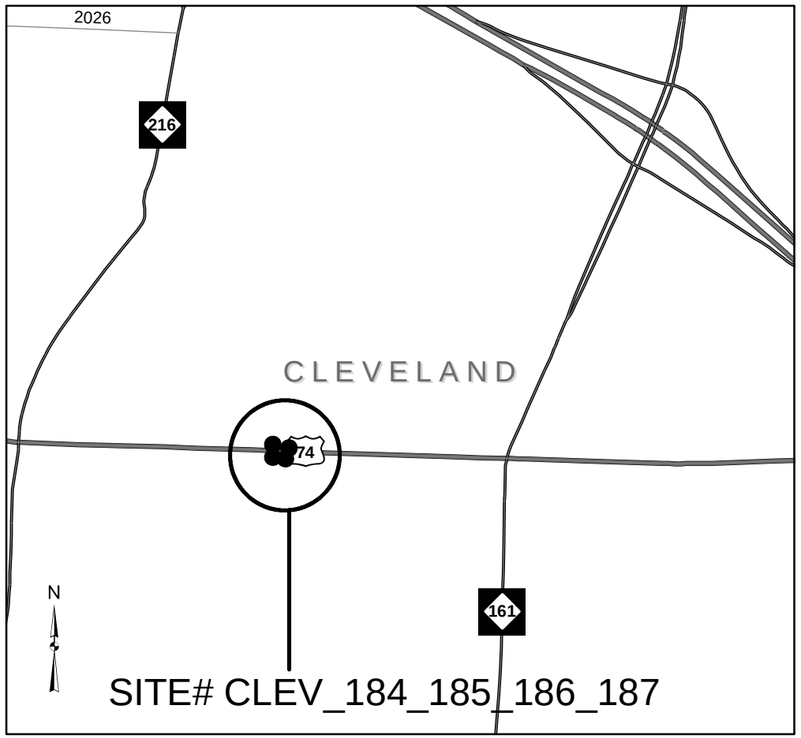


US 74 BUS (KINGS ST.) @ CITY ST., RAILROAD AVE. AND NC 216

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







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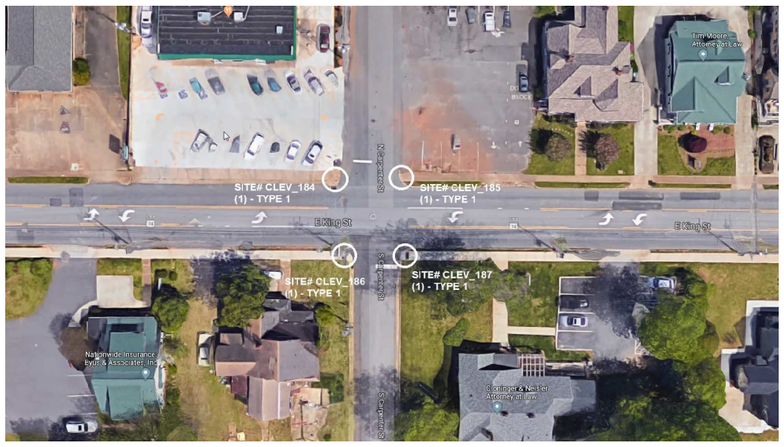
US 74 BUS (KINGS ST.) @ PIEDMONT AVE.

US 74 BUS (KINGS ST.) @ GASTON ST.



US 74 BUS (KINGS ST.) @ CARPENTER ST.

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DEPARTMENT OF TRANSPORTATION

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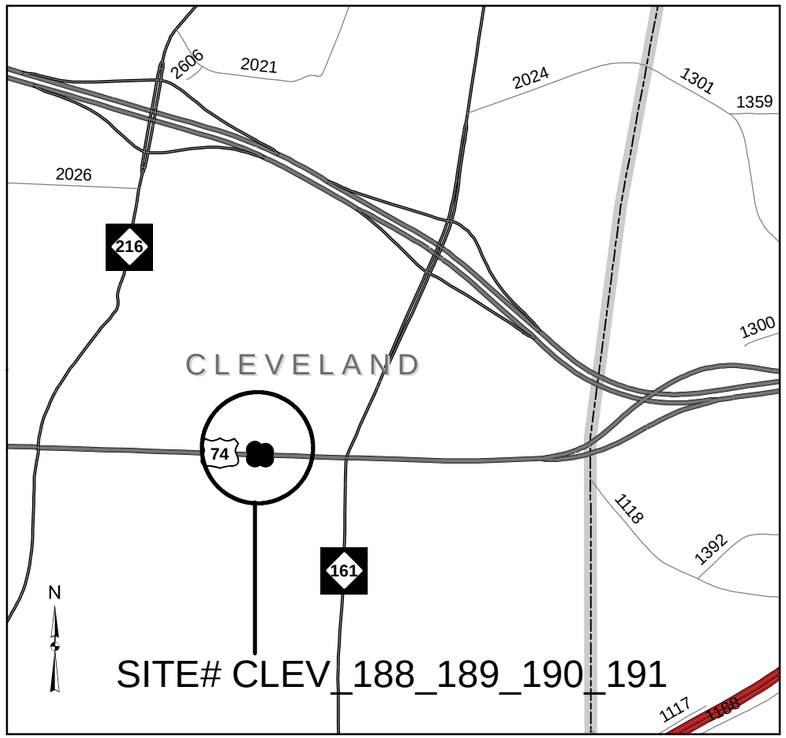
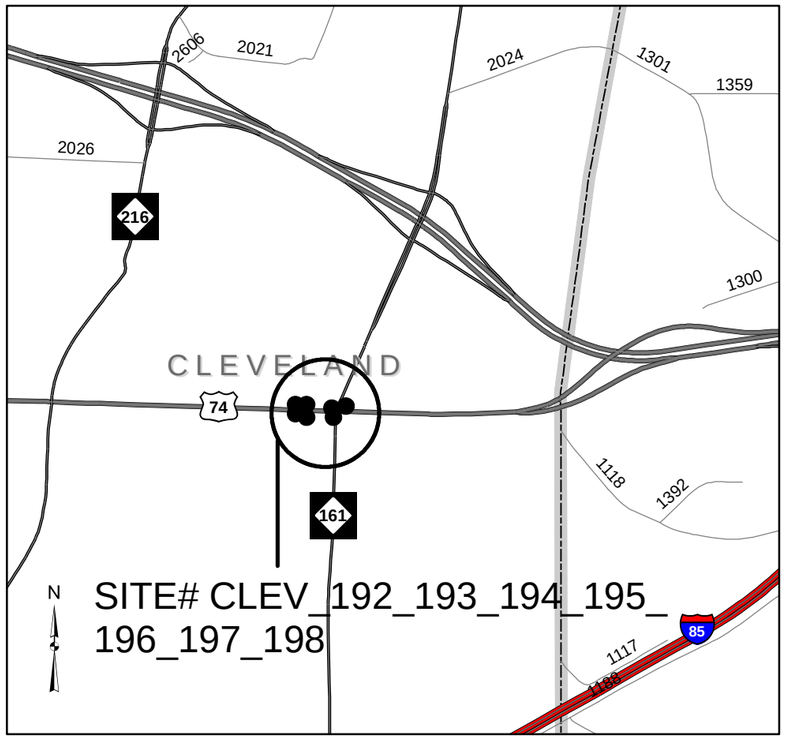
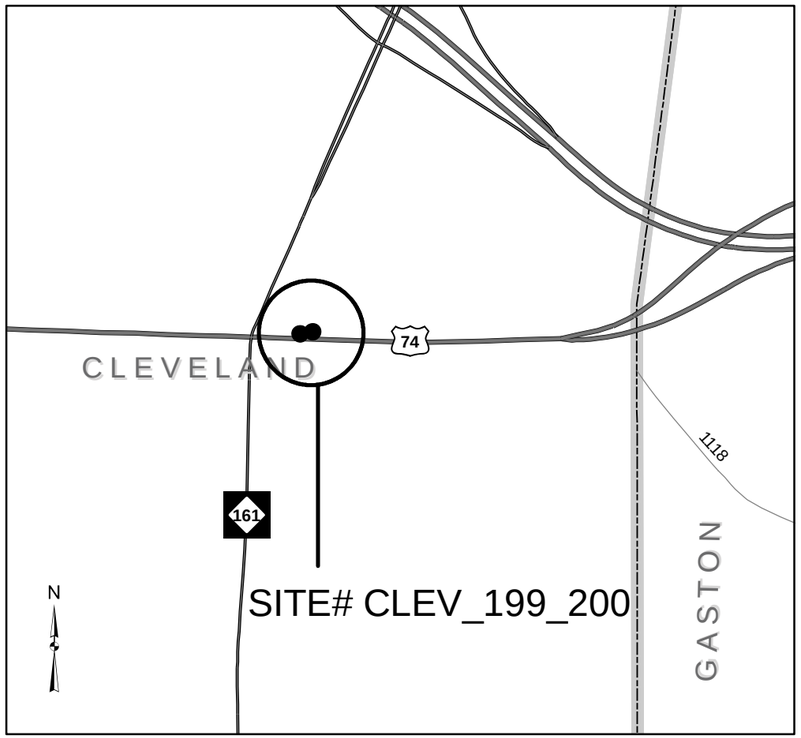
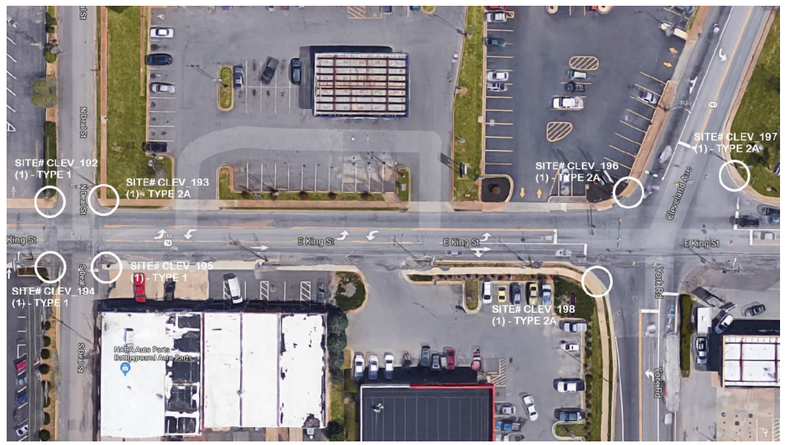


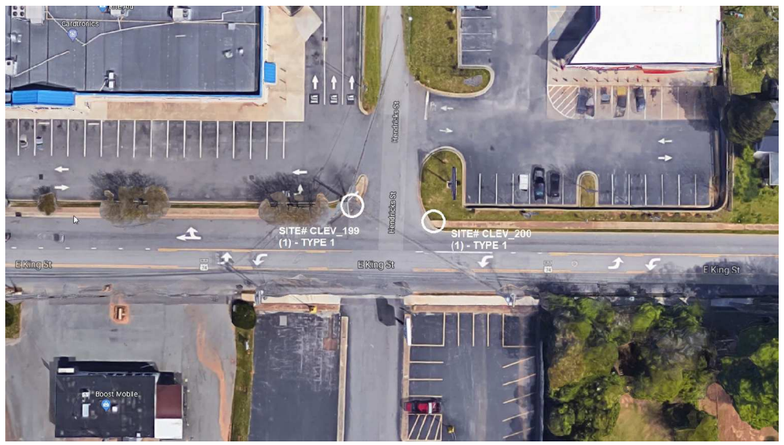




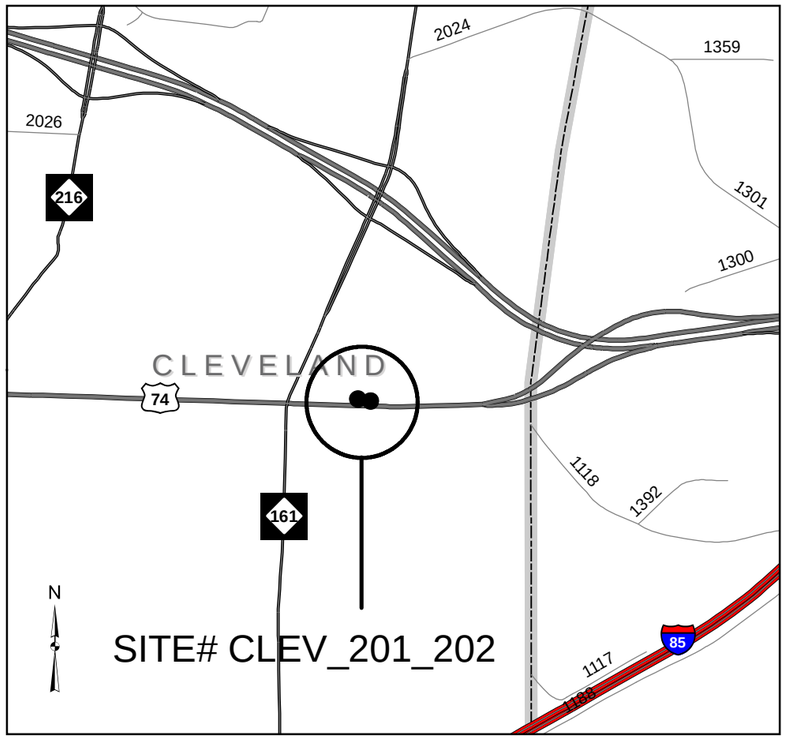
US 74 BUS (KINGS ST.) @ DILLING ST.

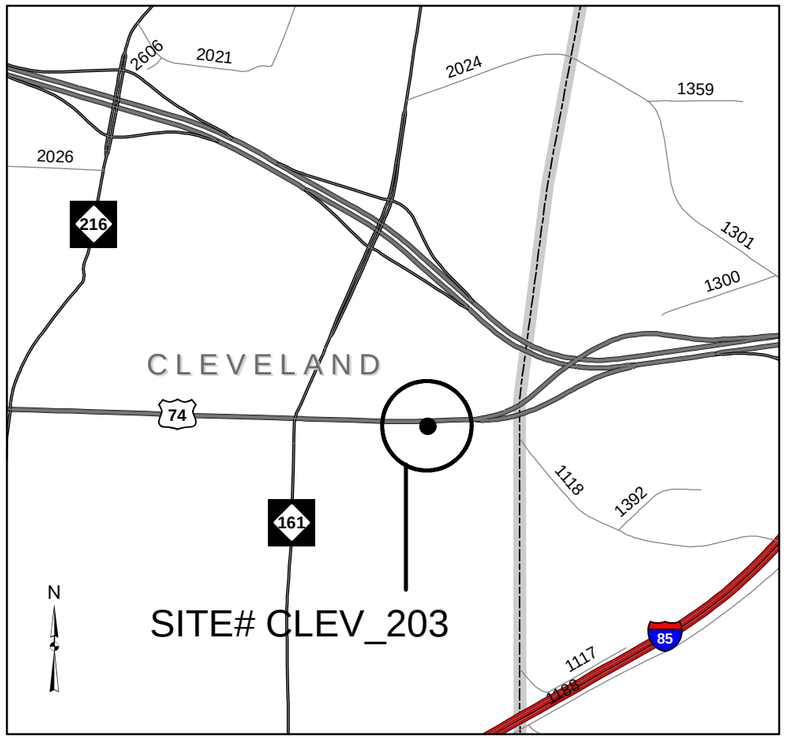


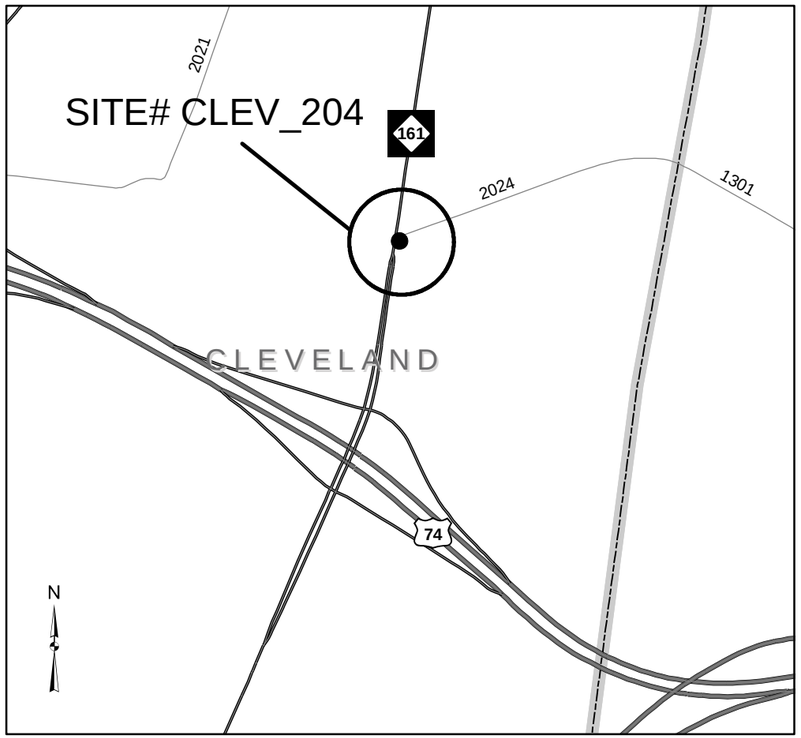
US 74 BUS (KINGS ST.) @ DEAL ST. AND NC 161



US 74 BUS (KINGS ST.) @ HENDRICKS ST.







CLEVELAND COUNTY
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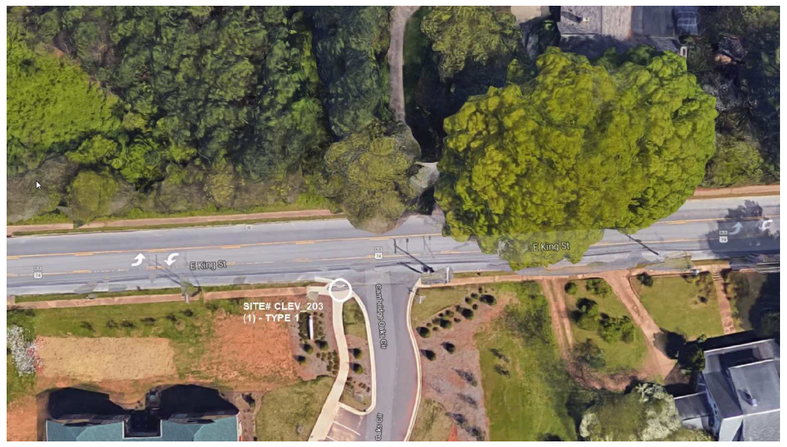
US 74 BUS (KINGS ST.) @ N. ORIENTAL AVE.



US 74 BUS (KINGS ST.) @ CAMBRIDGE OAKS CIRCLE

NC 161 @ SR 2024 (LINWOOD RD.)

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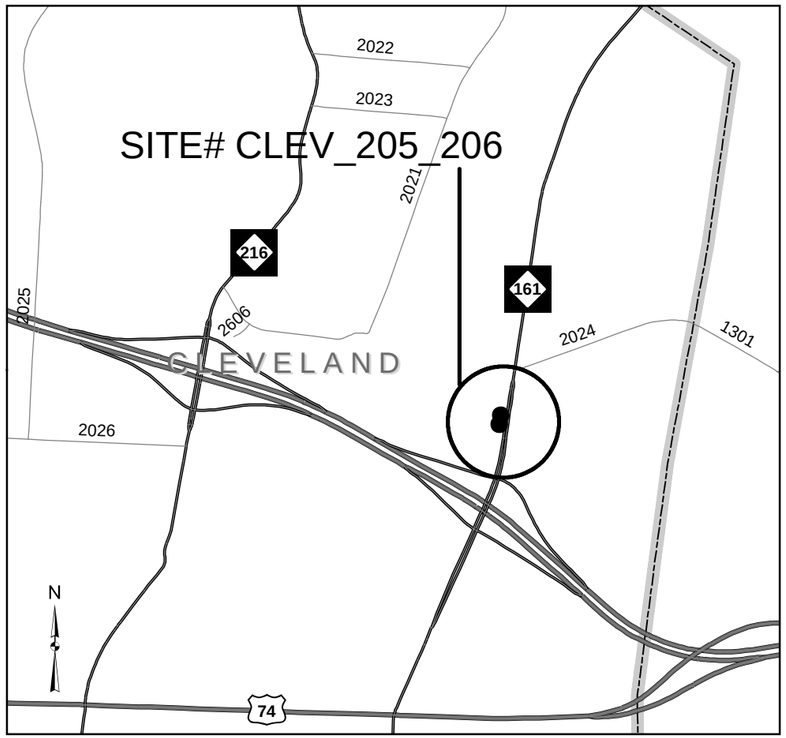
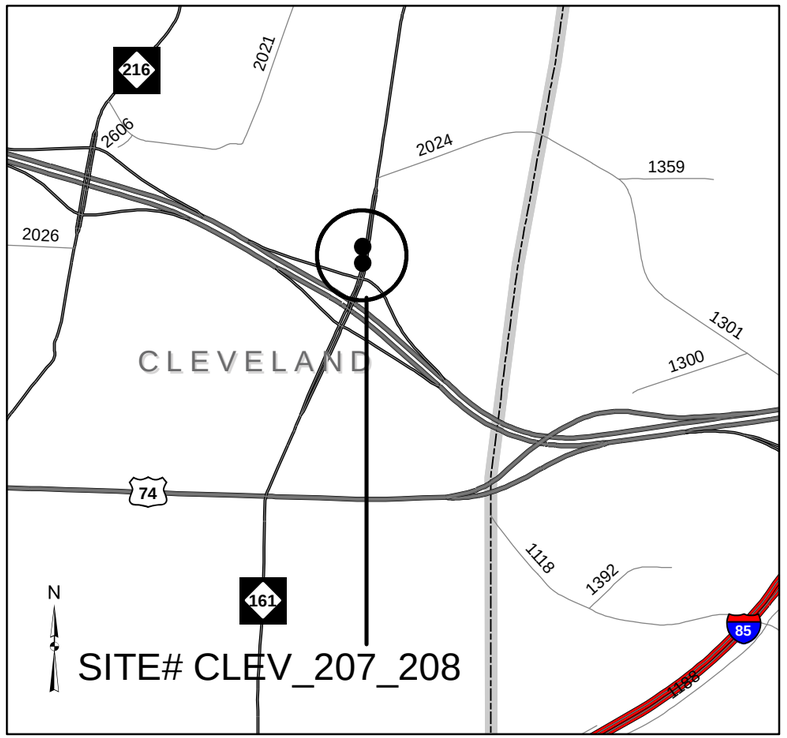
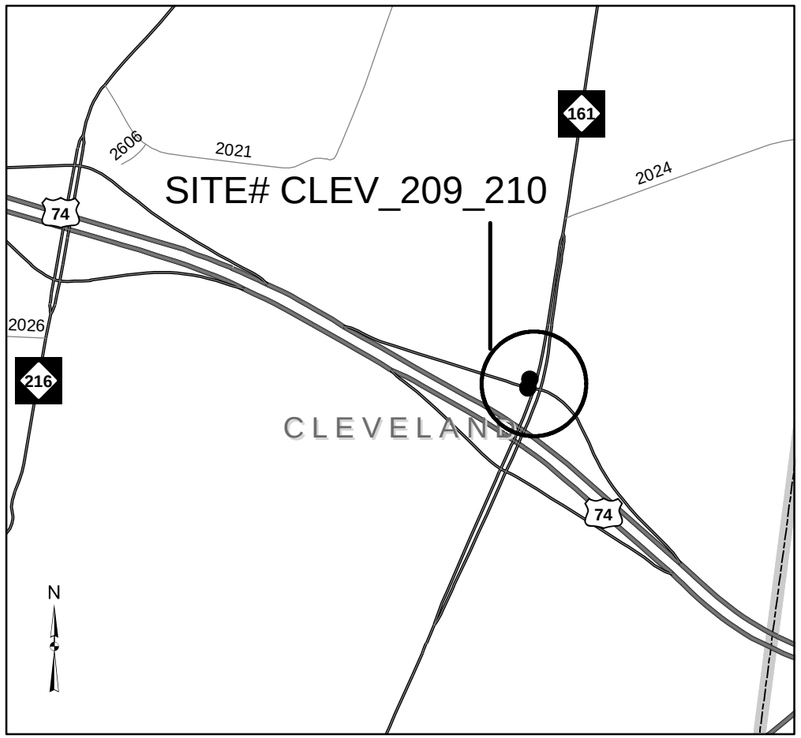
DEPARTMENT OF TRANSPORTATION

CLEVELAND COUNTY
WBS# 44922.3.22



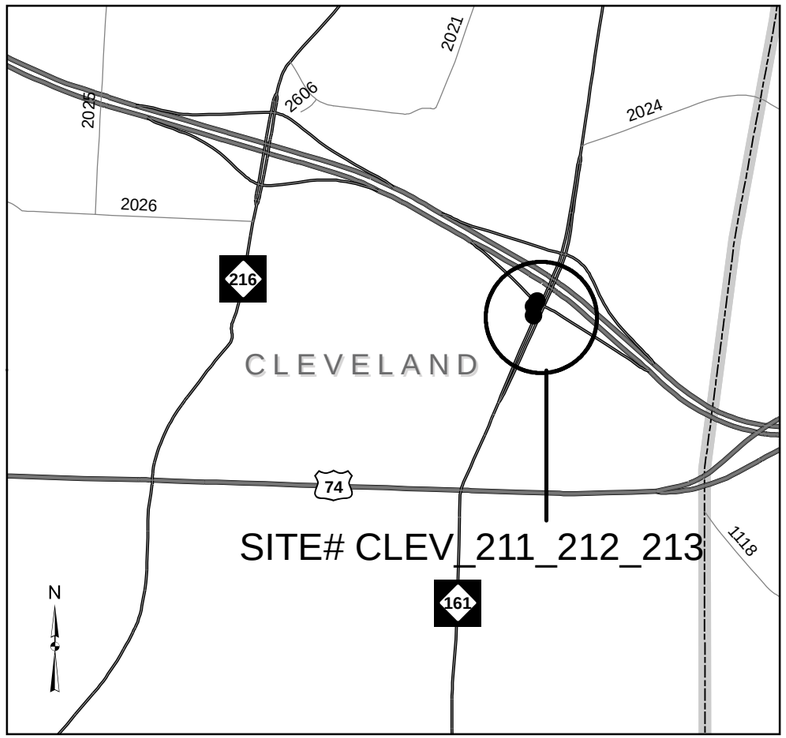


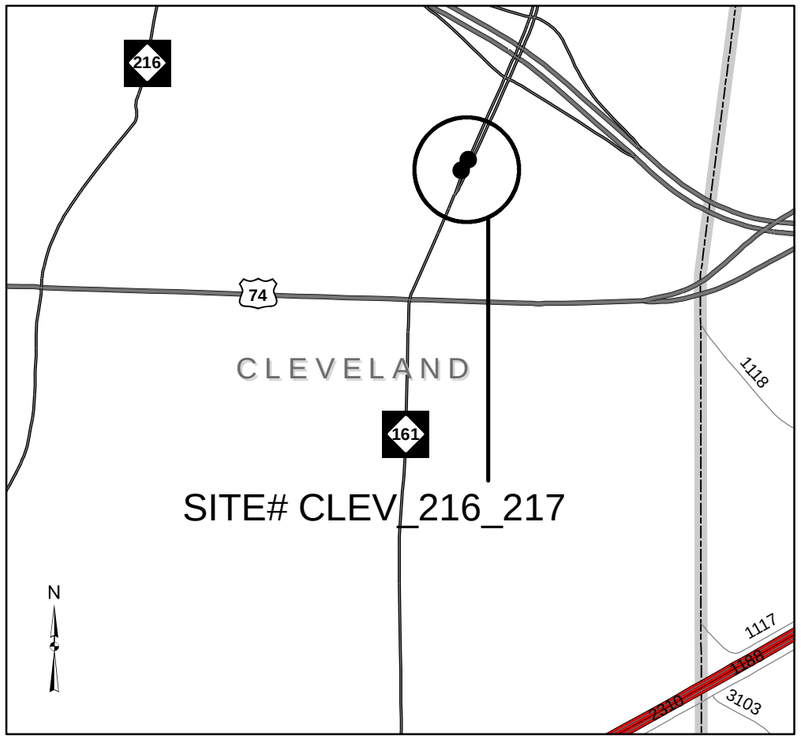


NC 161 @ WOODSIDE DR.

NC 161 @ LYNN ST.

NC 161 @ US 74 RAMP





CLEVELAND COUNTY
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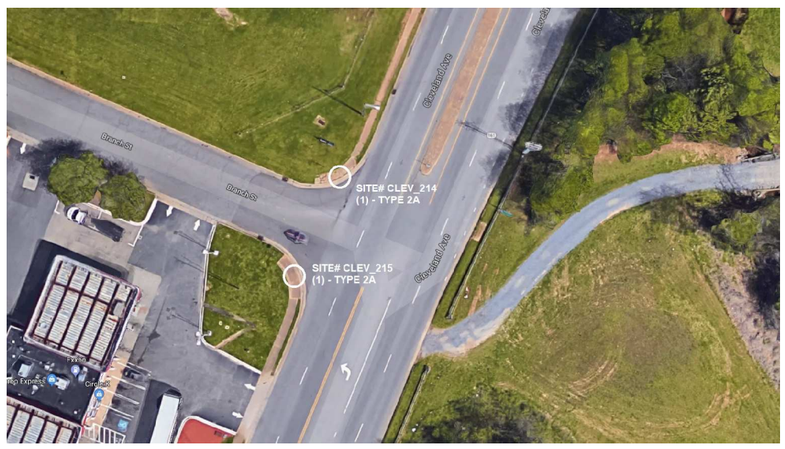
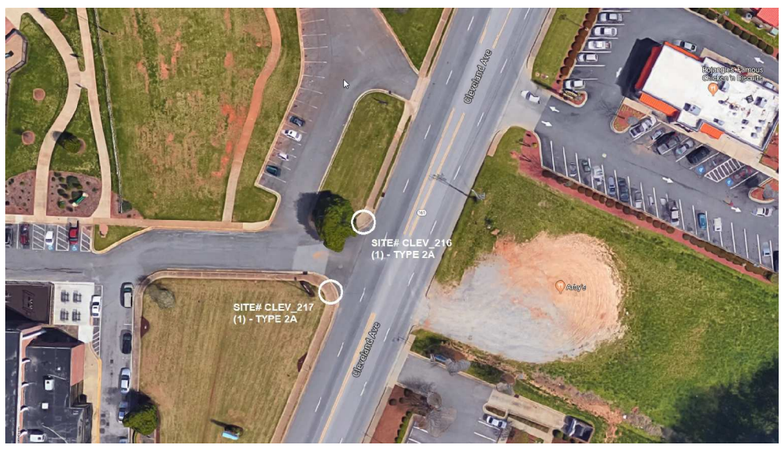
NC 161 @ US 74 RAMP



NC 161 @ BRANCH ST.



NC 161 @ KINGS MTN. YMCA ENTRANCE

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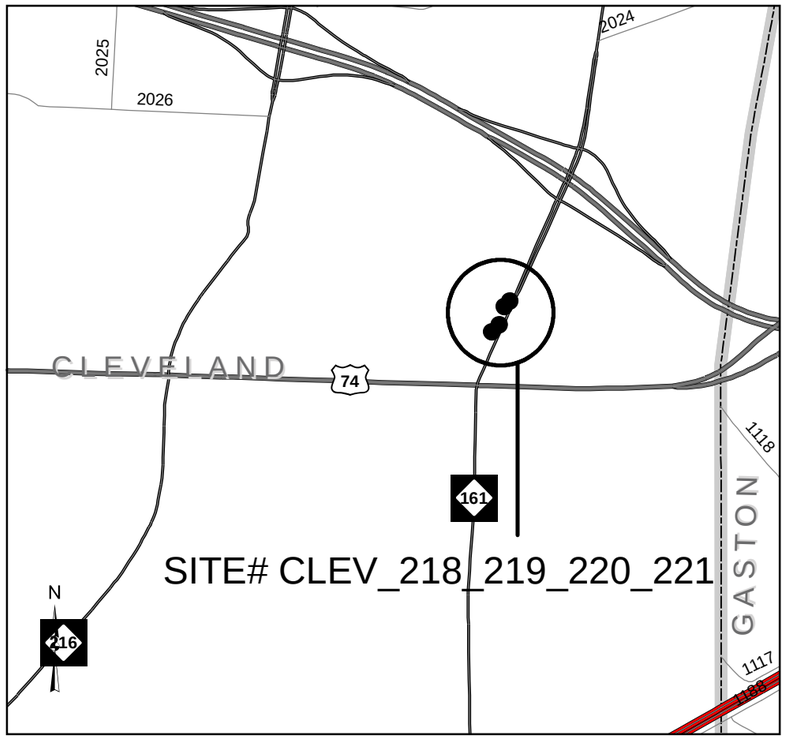
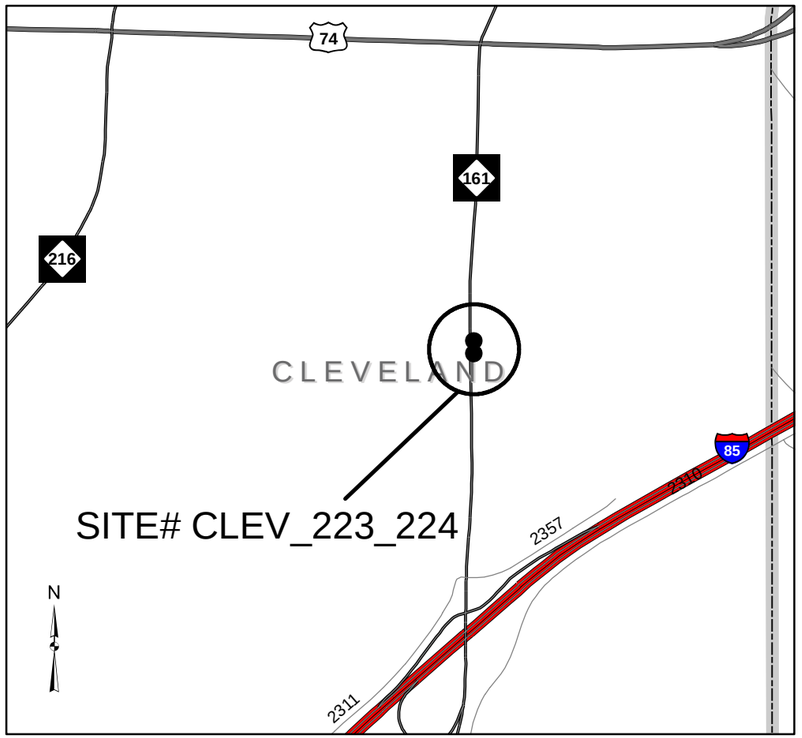
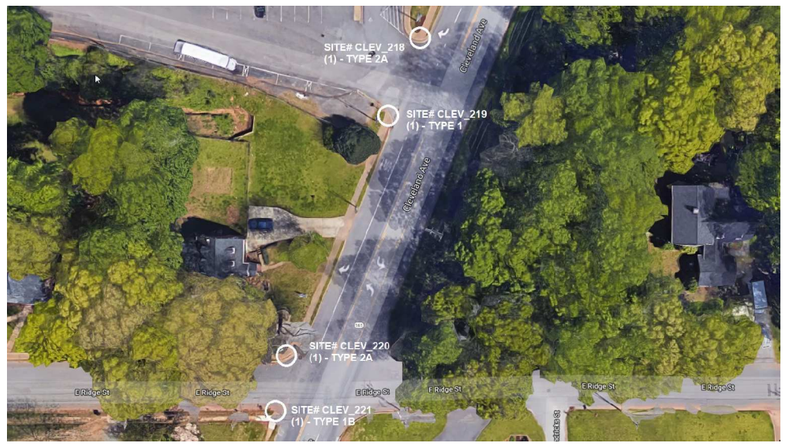
DEPARTMENT OF TRANSPORTATION

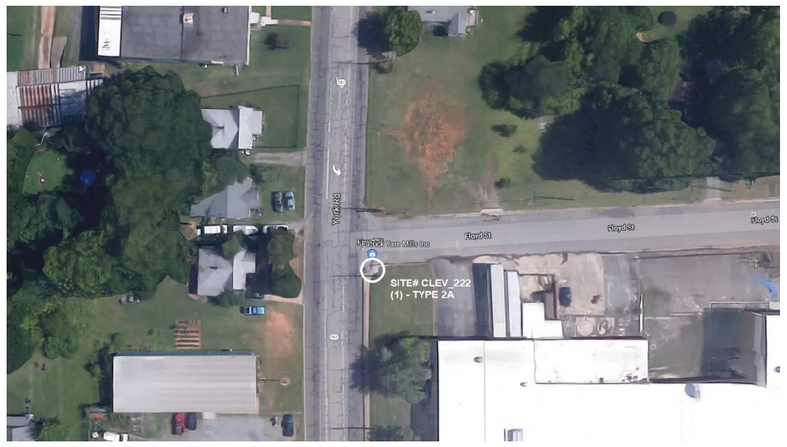




CLEVELAND COUNTY
WBS# 44922.3.22



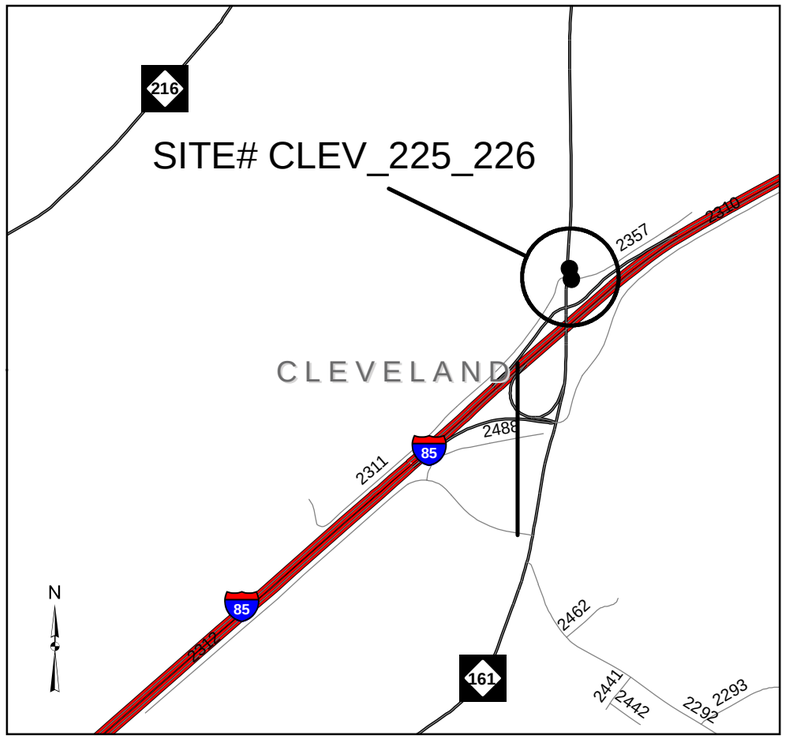
NC 161 @ KINGS MTN. YMCA ENTRANCE AND E. RIDGE ST.



NC 161 @ FLOYD ST.

NC 161 @ INNOVATION DR.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



CLEVELAND COUNTY
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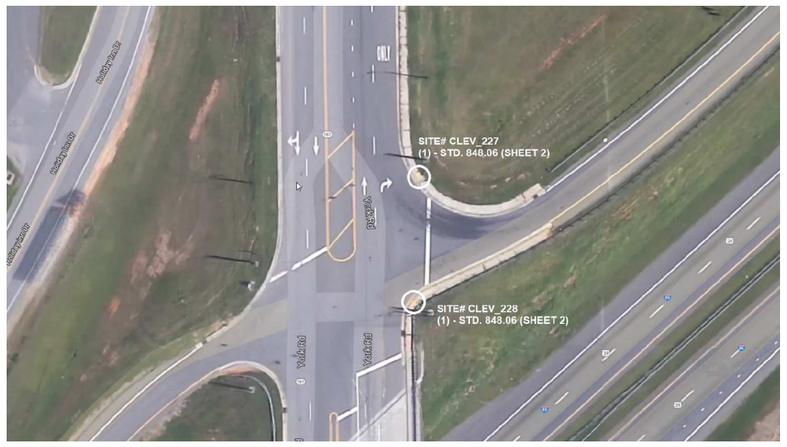
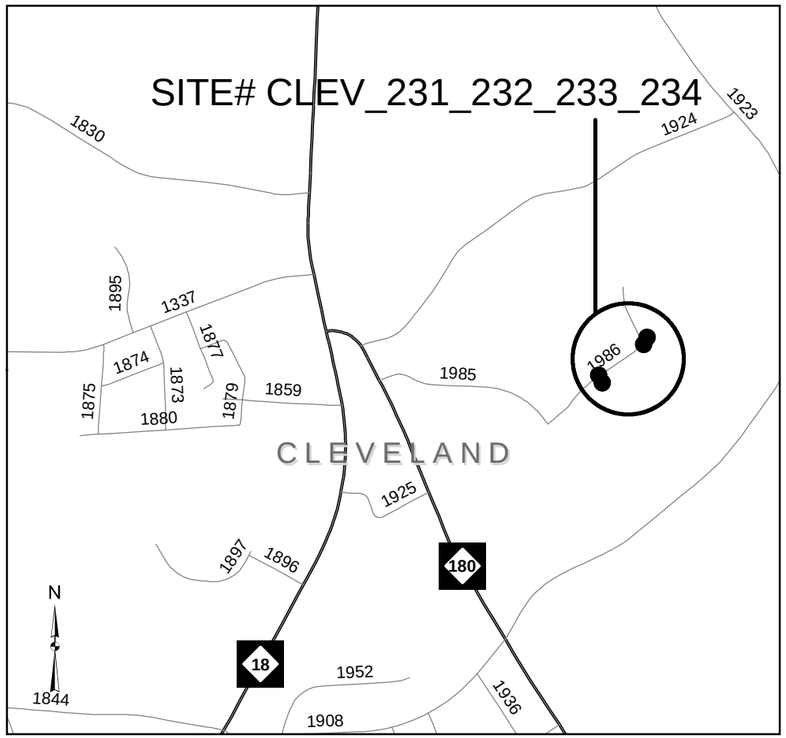
NC 161 @ SR 2357 (BROADVIEW ST.)

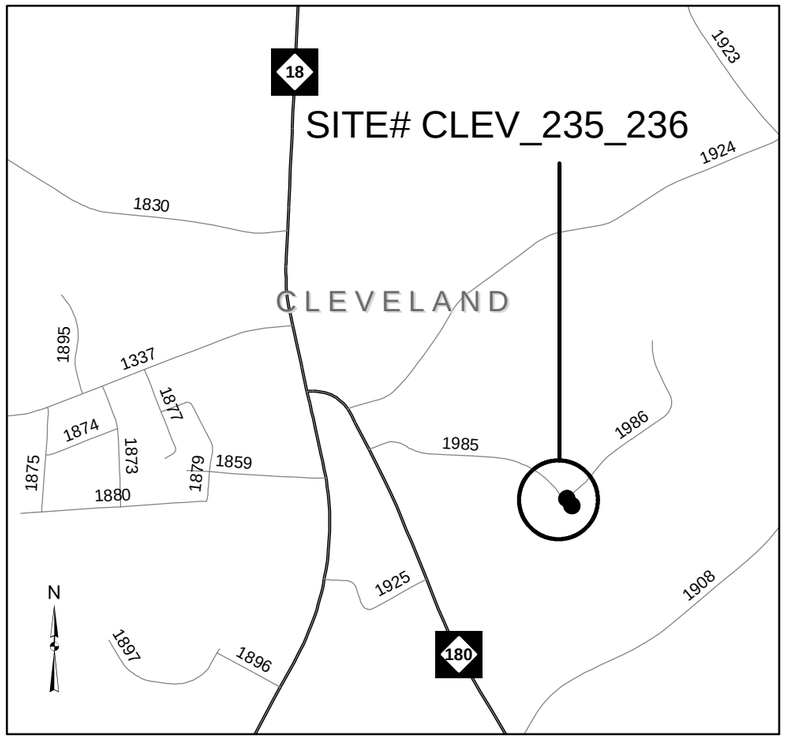


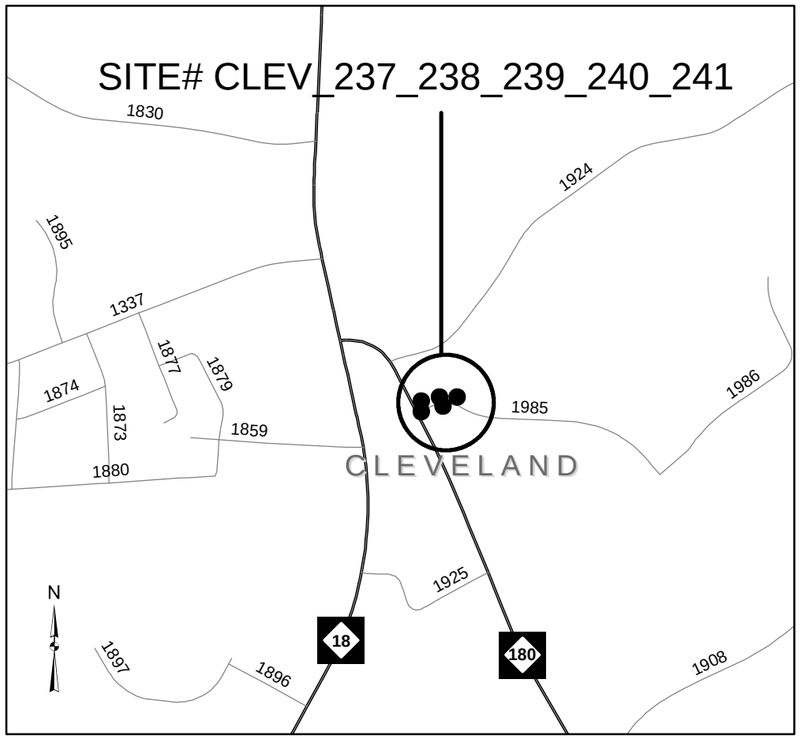
NC 161 @ I-85 RAMP

NC 161 @ SR 2310 (WOODLAKE PKWY.)

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







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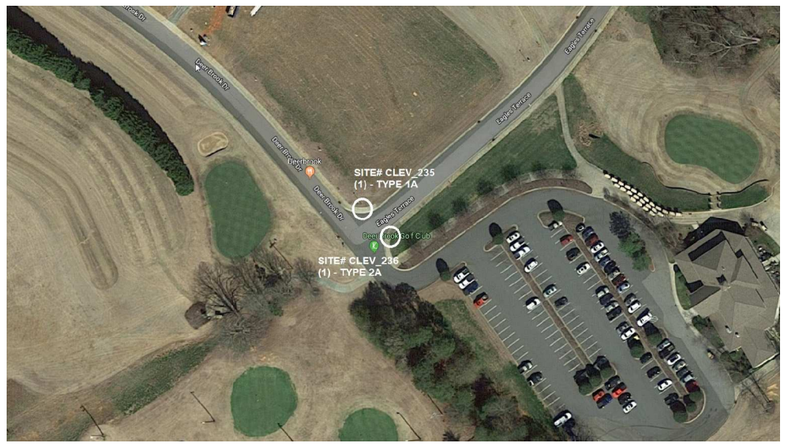
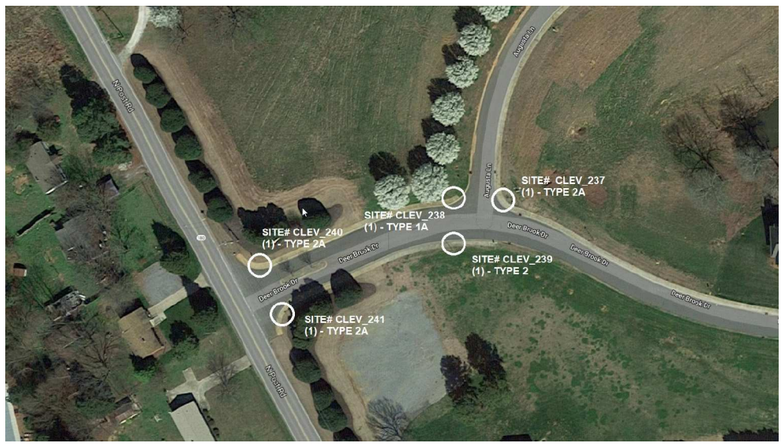
WBS# 44922.3.22

SR 1986 (EAGLES TERRACE) @ SR 1987 (CADDIES CT.)
AND AUGUSTA LANE

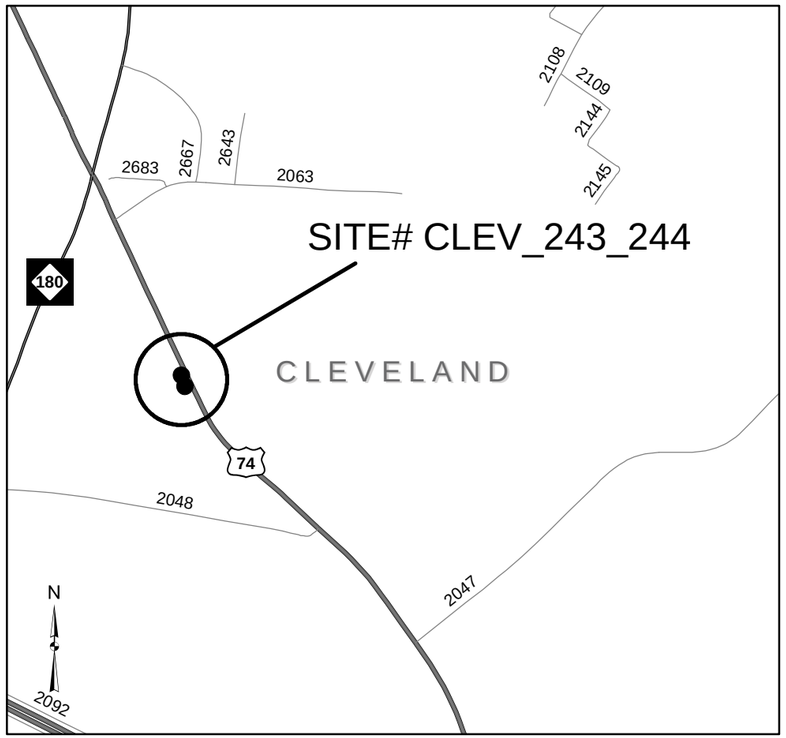


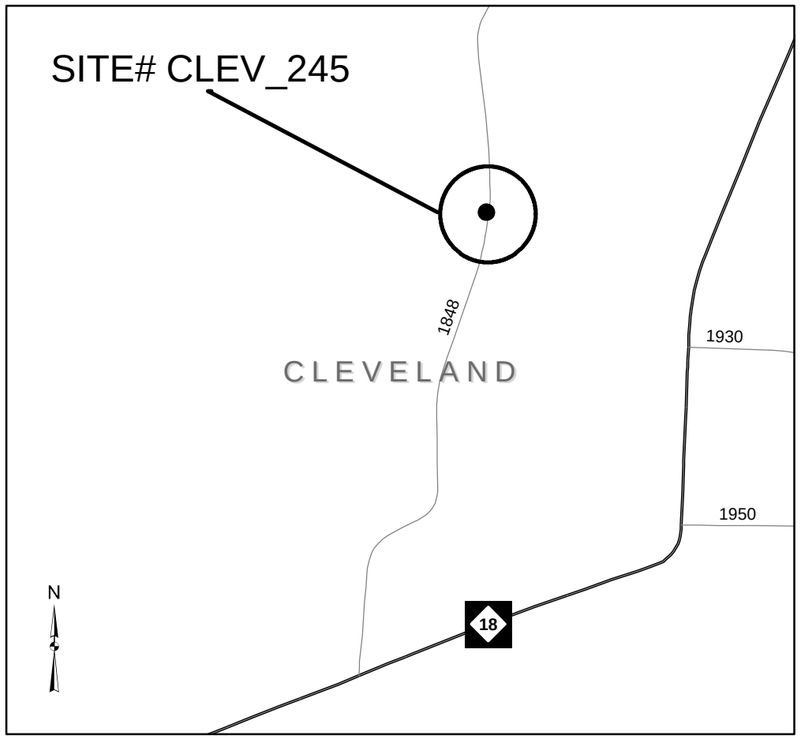
SR 1985 (DEER BROOK DR.) @ SR 1986 (EAGLES TERRACE)



SR 1985 (DEER BROOK DR.) @ AUGUSTA LANE AND
NC 180 (N. POST RD.) @ SR 1985 (DEER BROOK DR.)

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION





CLEVELAND COUNTY
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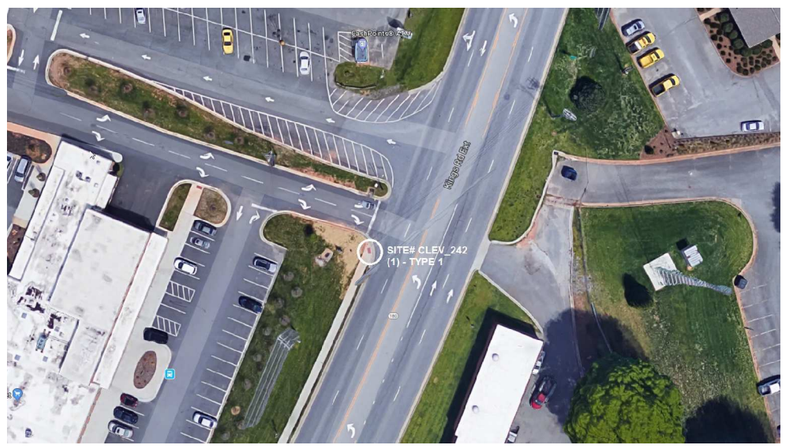
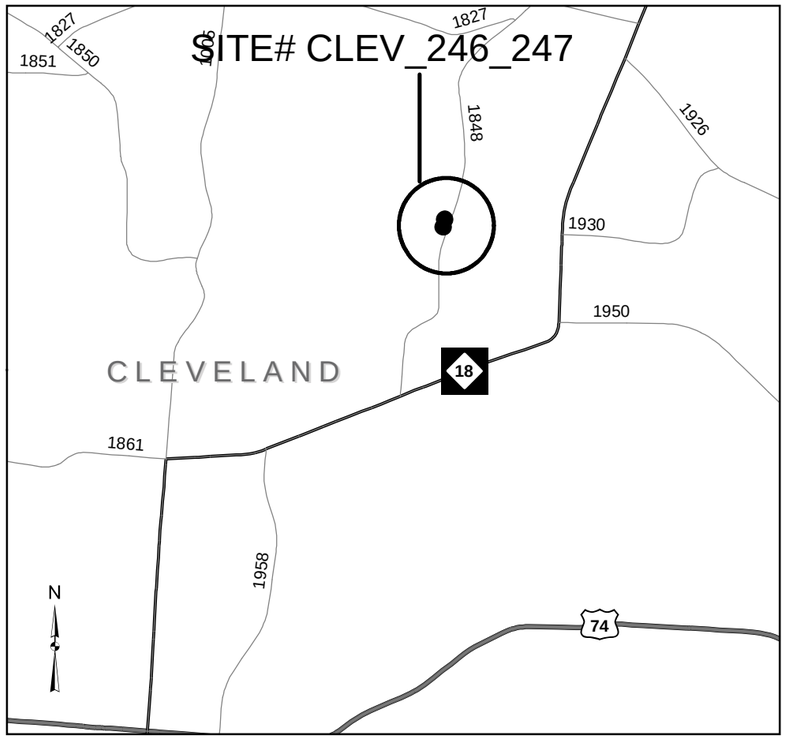


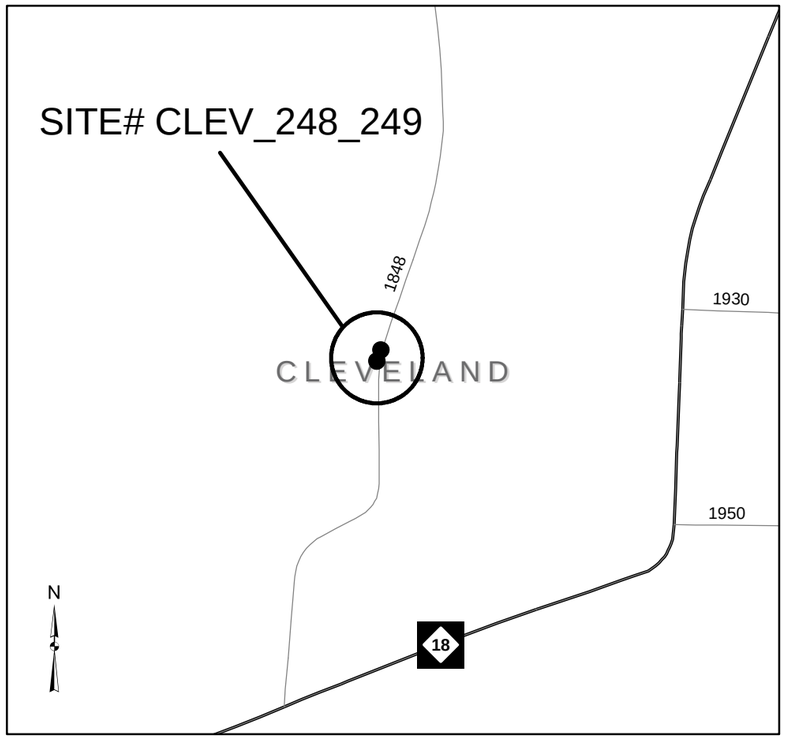
NC 180 @ CLEVELAND COUNTY CENTER

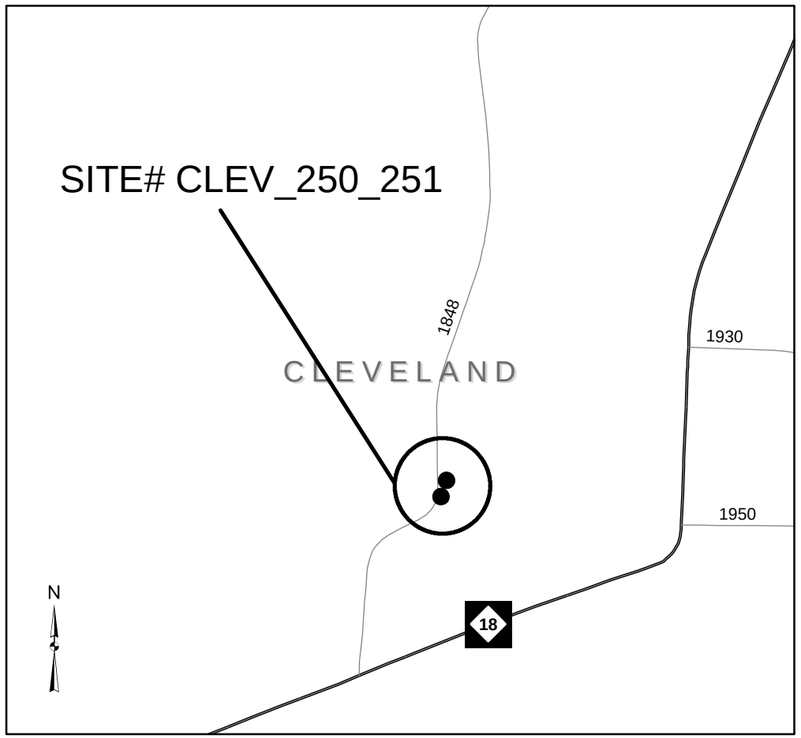
US 74 BUS (MARION ST.) @ CCC ENTRANCE

SR 18448 (FREDERICK ST.) @ MONROE ST.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







CLEVELAND COUNTY
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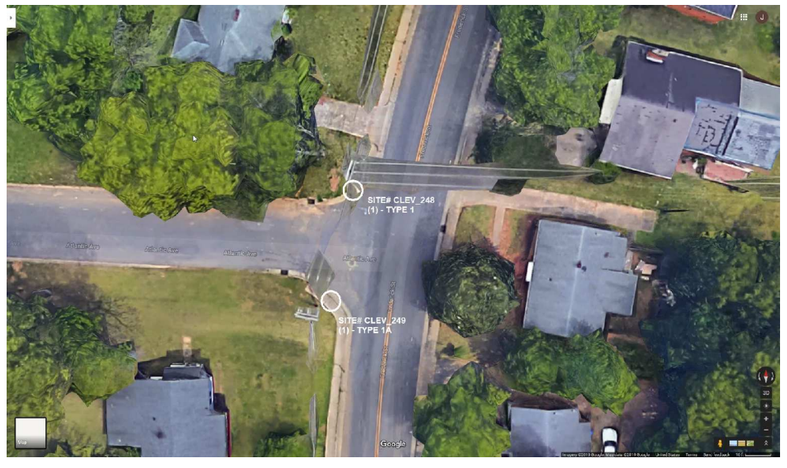
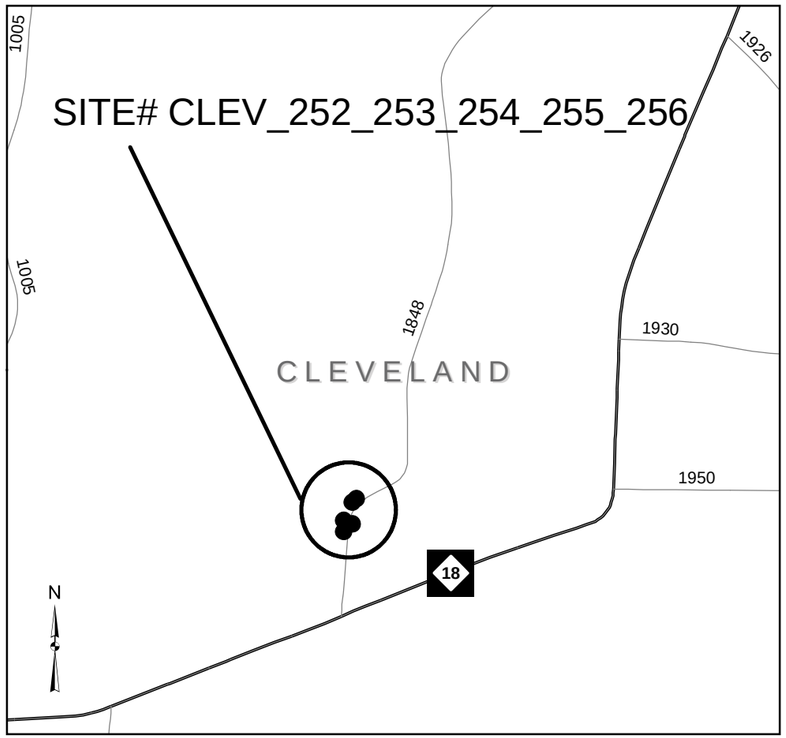
SR 1848 (FREDERICK ST.) @ PIEDMONT AVE.

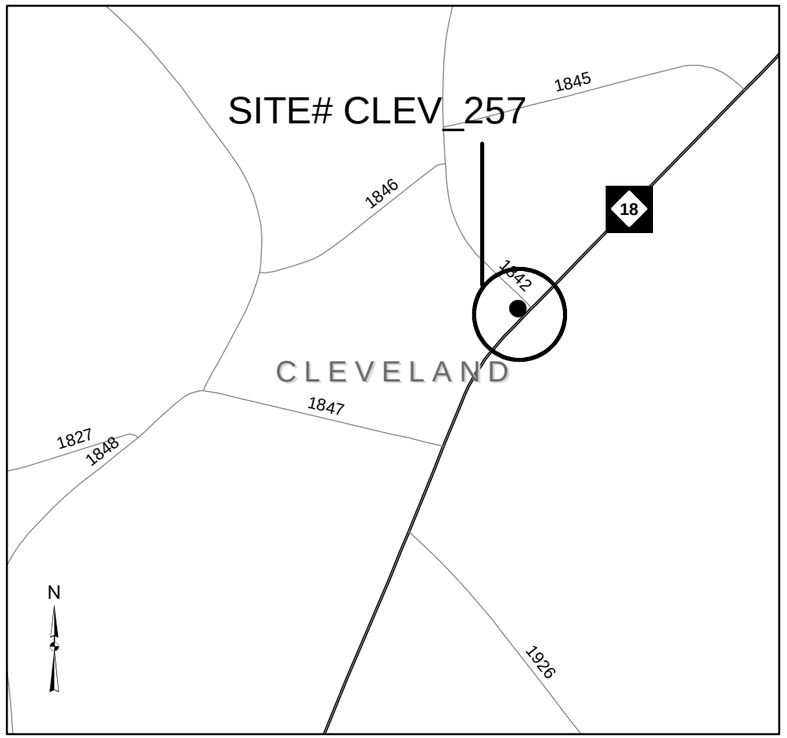


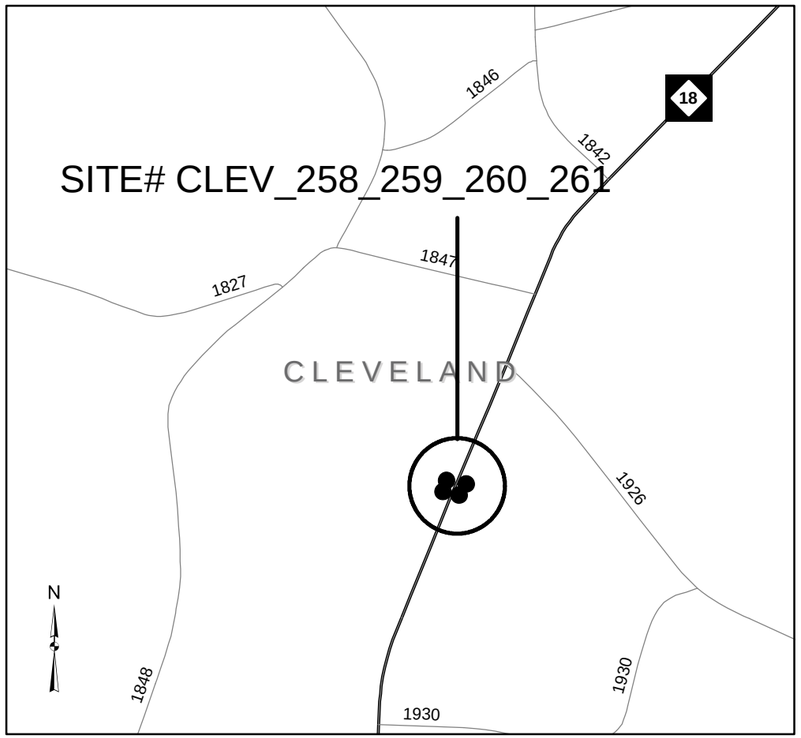
SR 1848 (FREDERICK ST.) @ ATLANTIC AVE.

SR 18448 (FREDERICK ST.) @ VALE ST.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



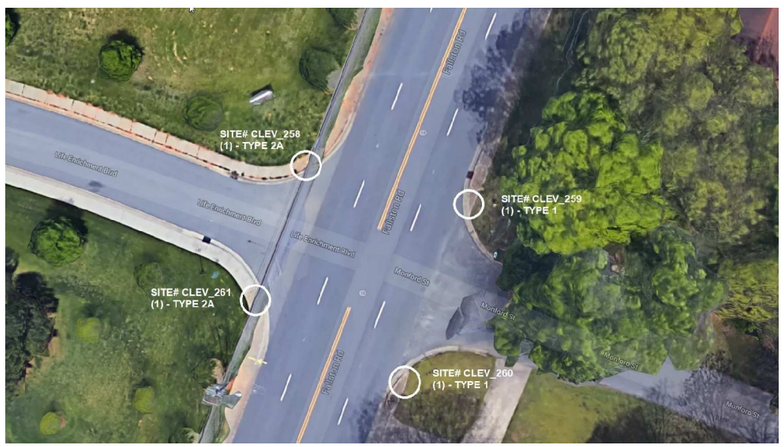




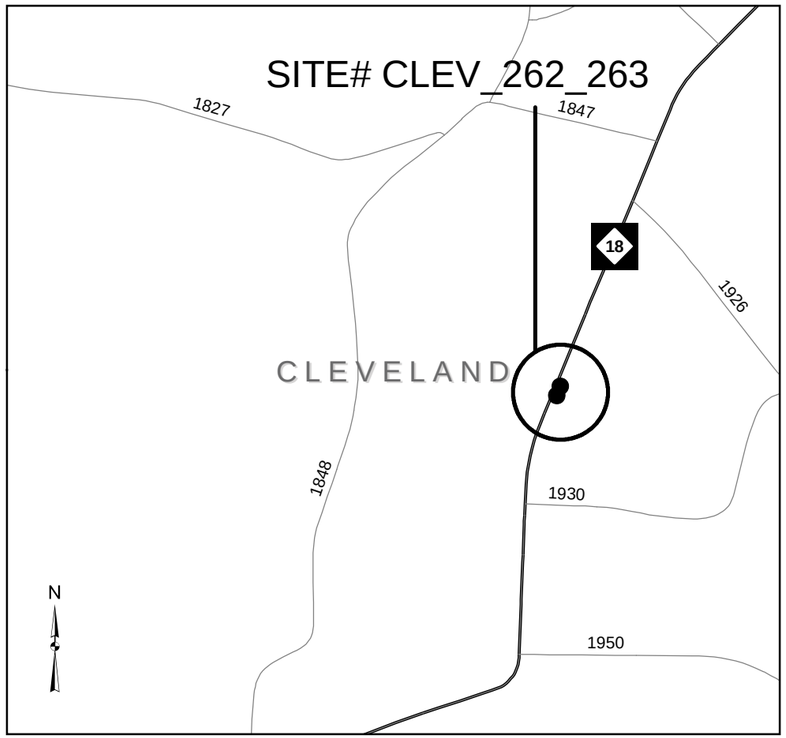
CLEVELAND COUNTY
WBS# 44922.3.22

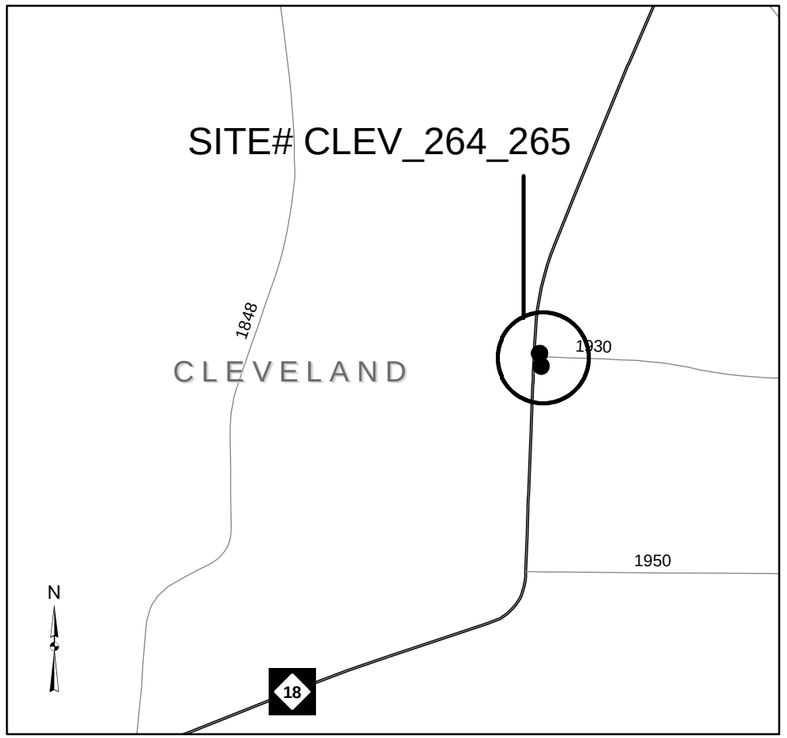
SR 1848 (FREDERICK ST.) @ BONNY ST. AND CRAWFORD ST.

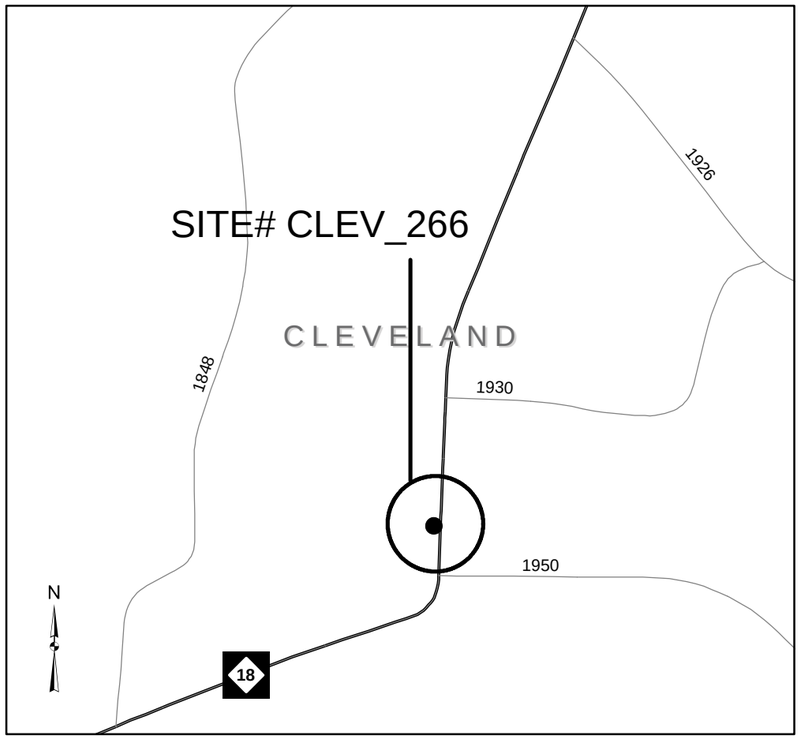
NC 18 @ SR 1842 (LITHIA SPRINGS RD.)



NC 18 @ LIFE ENRICHMENT BLVD.

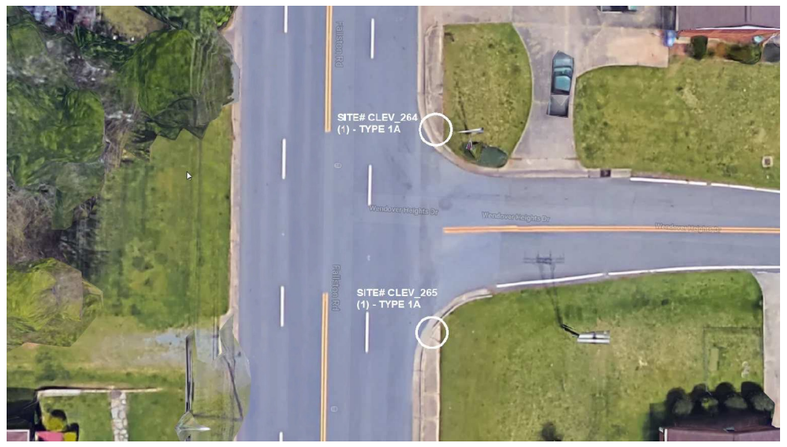




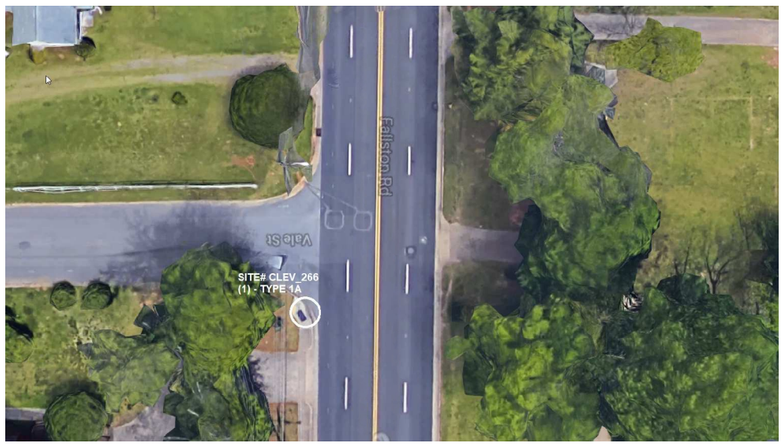


CLEVELAND COUNTY
WBS# 44922.3.22

NC 18 @ BLAND ST.

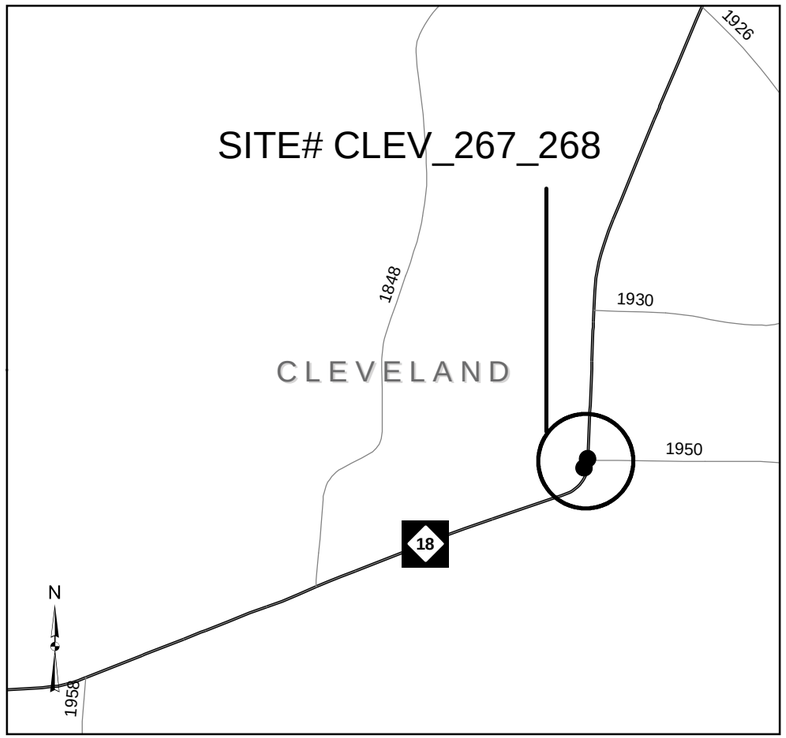


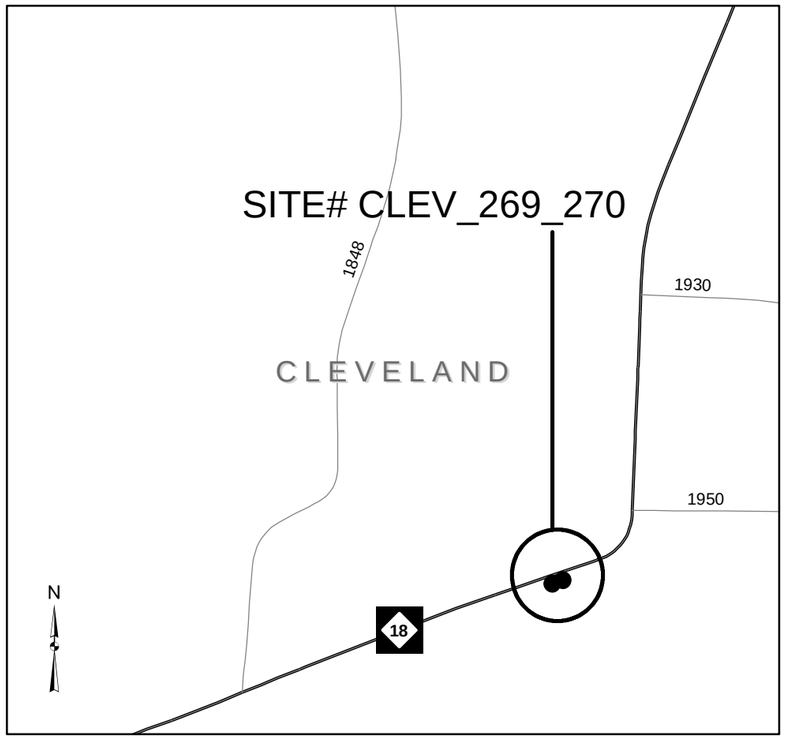
NC 18 @ SR 1930 (WENDOVER HEIGHTS DR.)

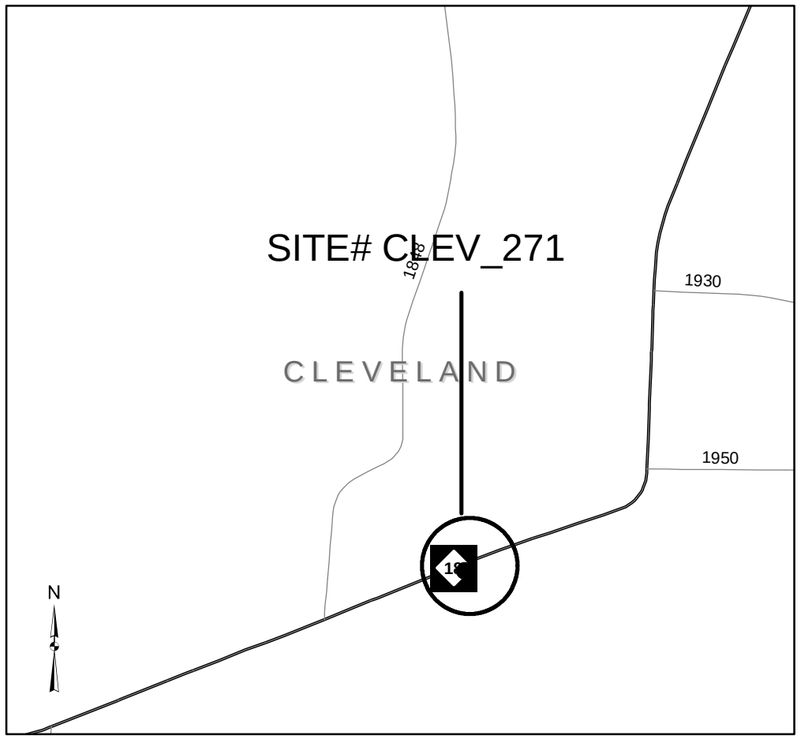


NC 18 @ VALE ST.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



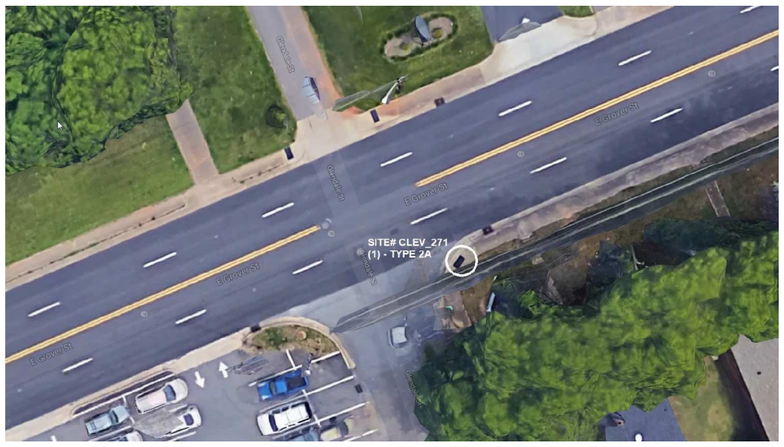




CLEVELAND COUNTY
WBS# 44922.3.22

NC 18 @ DOLLAR GENERAL DRIVEWAY

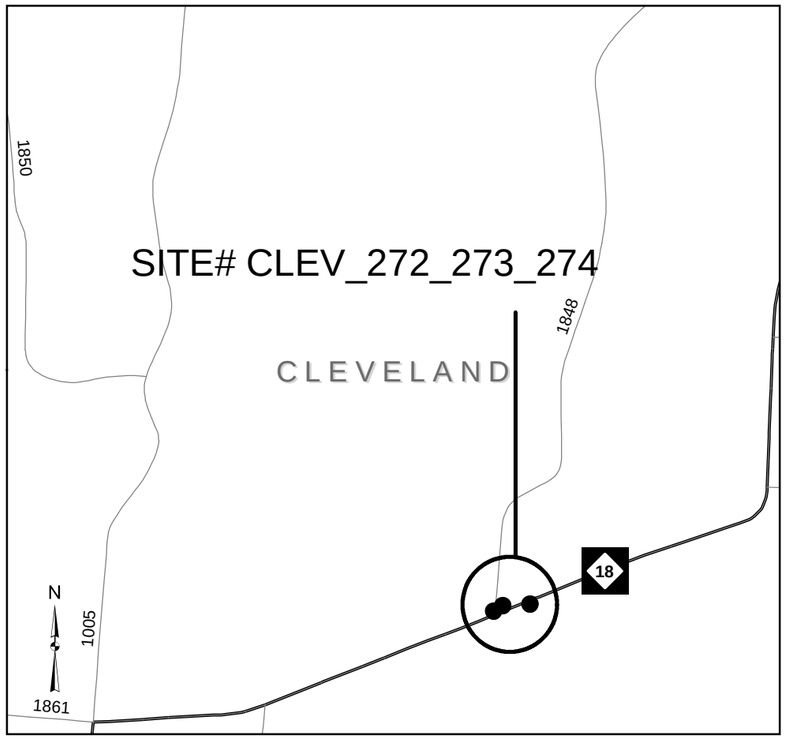
NC 18 @ JULIUS ST.

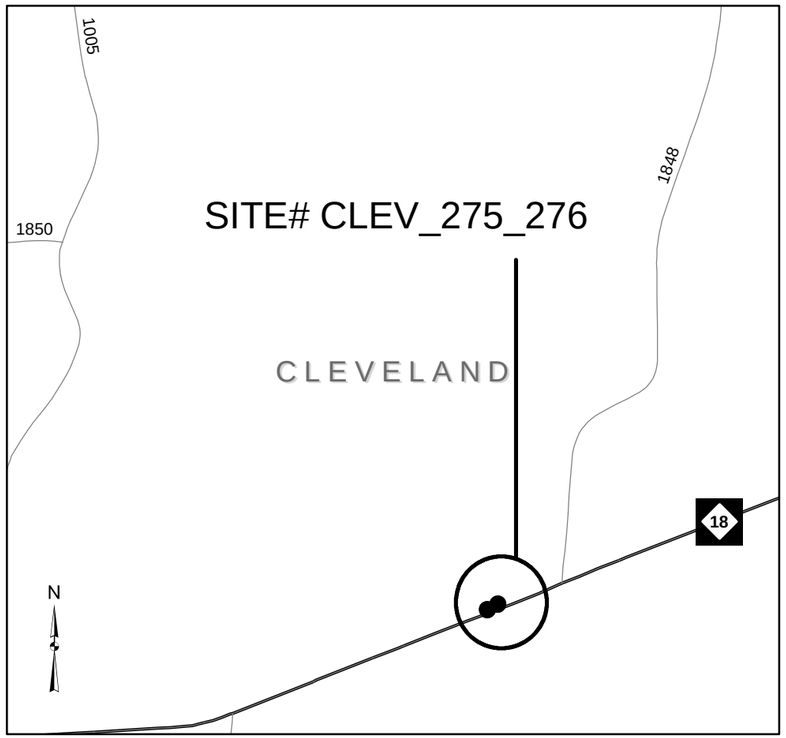


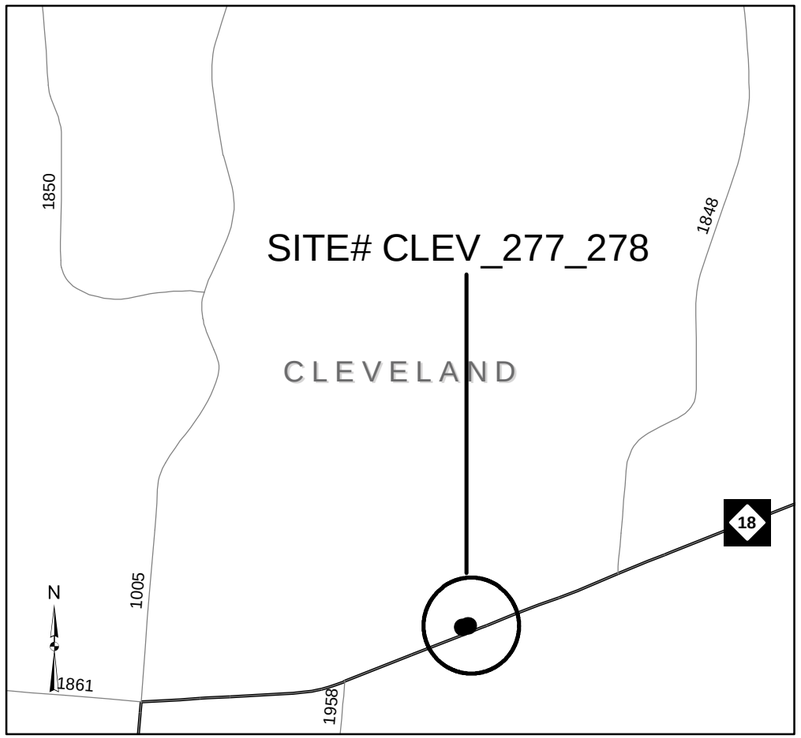
NC 18 @ GLENDALE ST.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

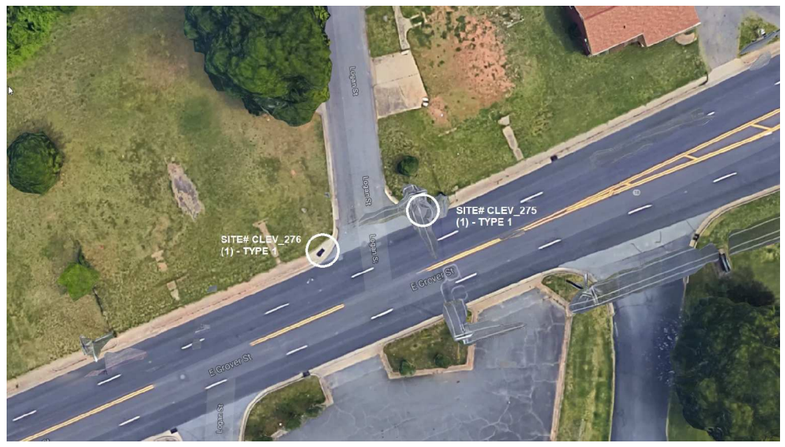
CLEVELAND COUNTY
WBS# 44922.3.22







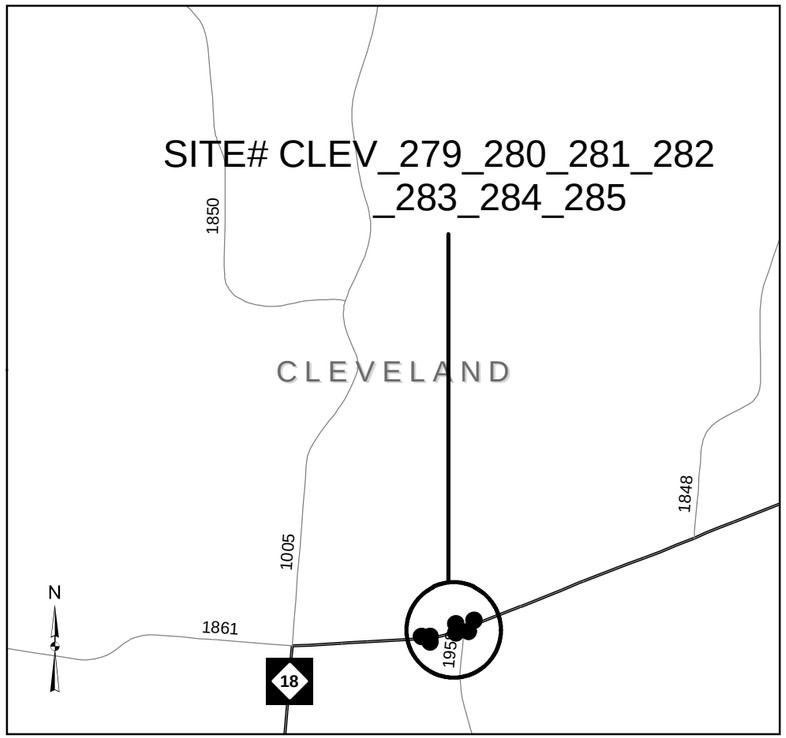
NC 18 @ BOJANGLES DRIVEWAY AND SR 1848 (FREDERICK ST.)

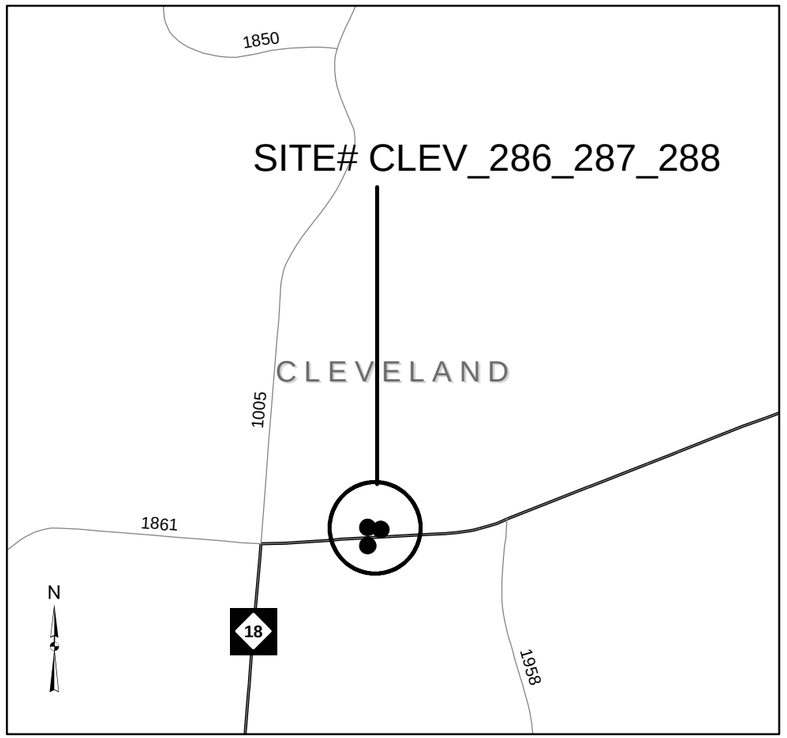


NC 18 @ LOGAN ST.

NC 18 @ FIRST ST.

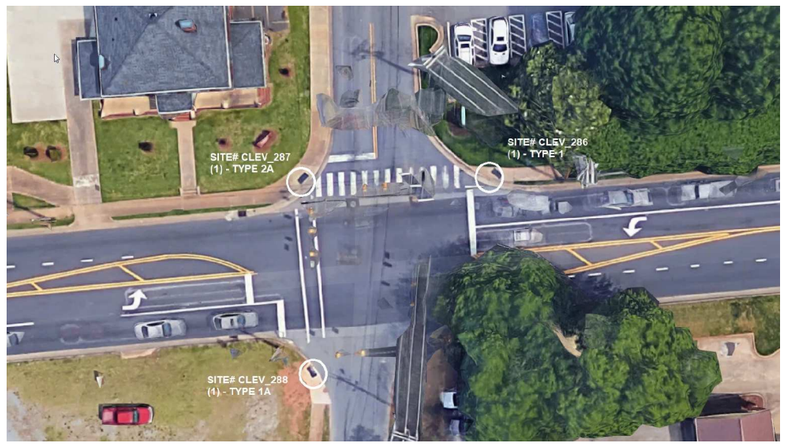
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



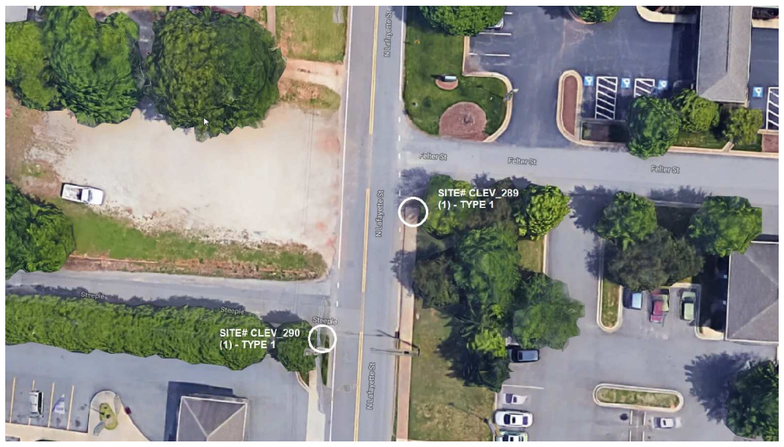


CLEVELAND COUNTY
WBS# 44922.3.22

NC 18 @ SR 1958 (DEKALB ST.), HOSPITAL ENTRANCE AND SCHENCK ST.



NC 18 @ N. WASHINGTON ST.



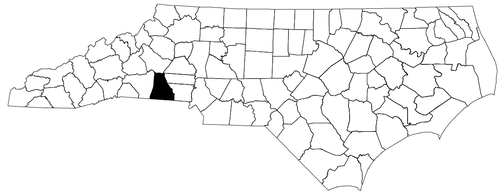
SR 1005 (N. LAFAYETTE) @ FELTER ST. AND STEEPLE ST.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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

- CONE
- DRUM SKINNY DRUM
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER

INDEX OF SHEETS

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

SHEET NO.
TMP-1

TIP PROJECT: R-5792AL & AQ

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

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

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PROJ. REFERENCE NO.	SHEET NO.
R-5792AL & AQ	TMP-1A

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
1. 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

1. 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. 1101.04 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. 1101.02 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. 1101.02 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.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

TRANSPORTATION OPERATIONS PLAN

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TIP PROJECT: R-5792AM & AR

CONTRACT: DL00215

See Sheet 1A For Index of Sheets

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

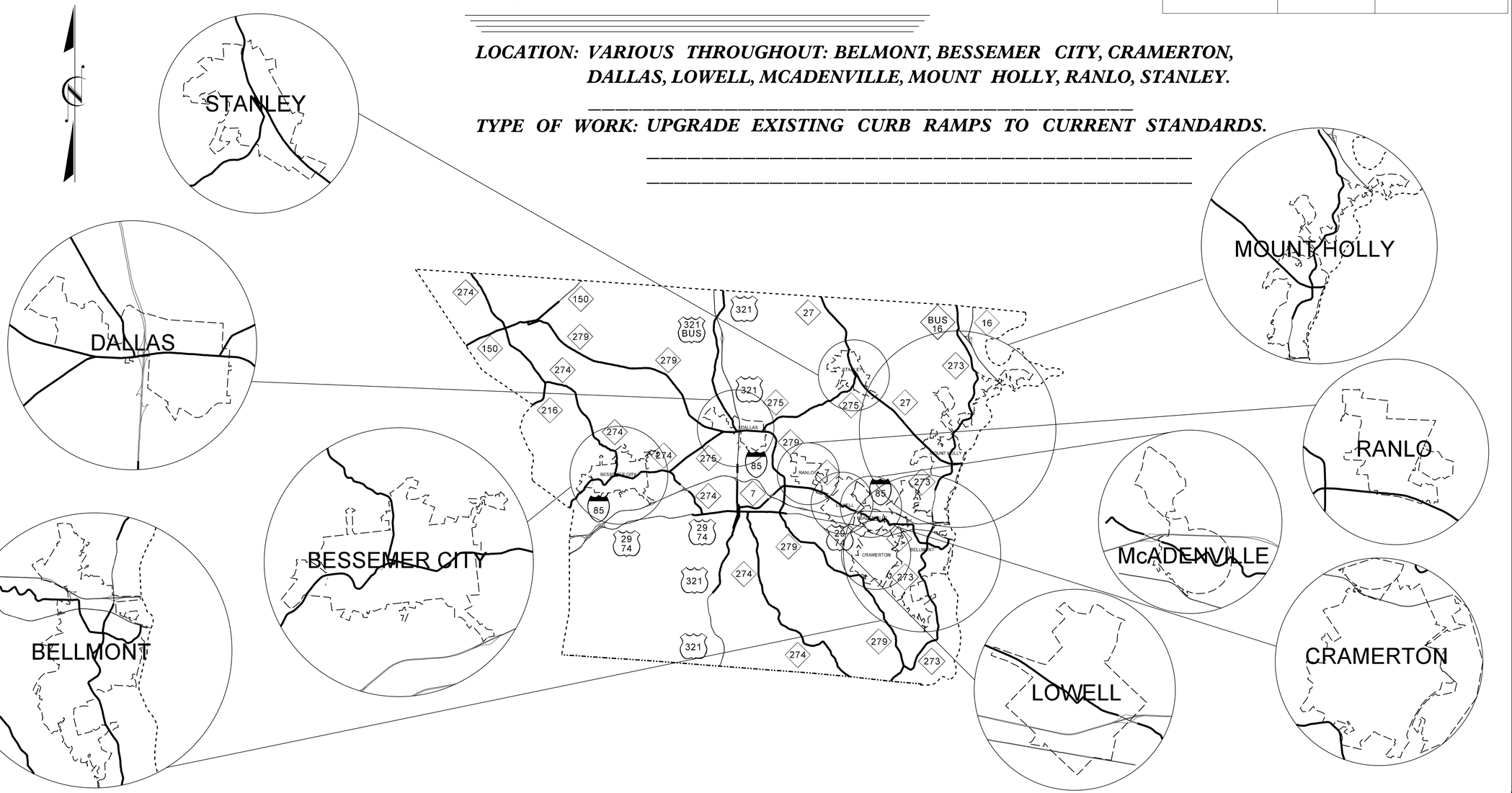
GASTON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5792AM & AR	1	46

STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION
44922.1.18	TAP-1229 (038)	PE, GAST. <5,000
44922.3.18	TAP-1229 (038)	CONST. GAST. < 5,000
44922.1.23	TAP-1229 (043)	PE, GAST. > 5,000
44922.3.23	TAP-1229 (043)	CONST. GAST. > 5,000

LOCATION: VARIOUS THROUGHOUT: BELMONT, BESSEMER CITY, CRAMERTON, DALLAS, LOWELL, MCADENVILLE, MOUNT HOLLY, RANLO, STANLEY.

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



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: MAY 23, 2023

C. BLAKE GUFFEY
PROJECT ENGINEER

BARRY BINGHAM, PE
PROJECT DESIGN ENGINEER

STATE OF NORTH CAROLINA • DEPARTMENT OF TRANSPORTATION •

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PROJECT REFERENCE NO.	SHEET NO.
R-5792AM & AR	1A

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
2B-1 THRU 2B-4	SPECIAL DETAILS
2C-1 THRU 2C-2	SUMMARY OF QUANTITIES
4 THRU 30	PLAN SHEETS
TMP-1 THRU TMP-1A	TRAFFIC MANAGEMENT PLANS

GENERAL NOTES: 2018 SPECIFICATIONS

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.05, 848.06, & SPECIAL DETAILS.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

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:

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

8/17/99

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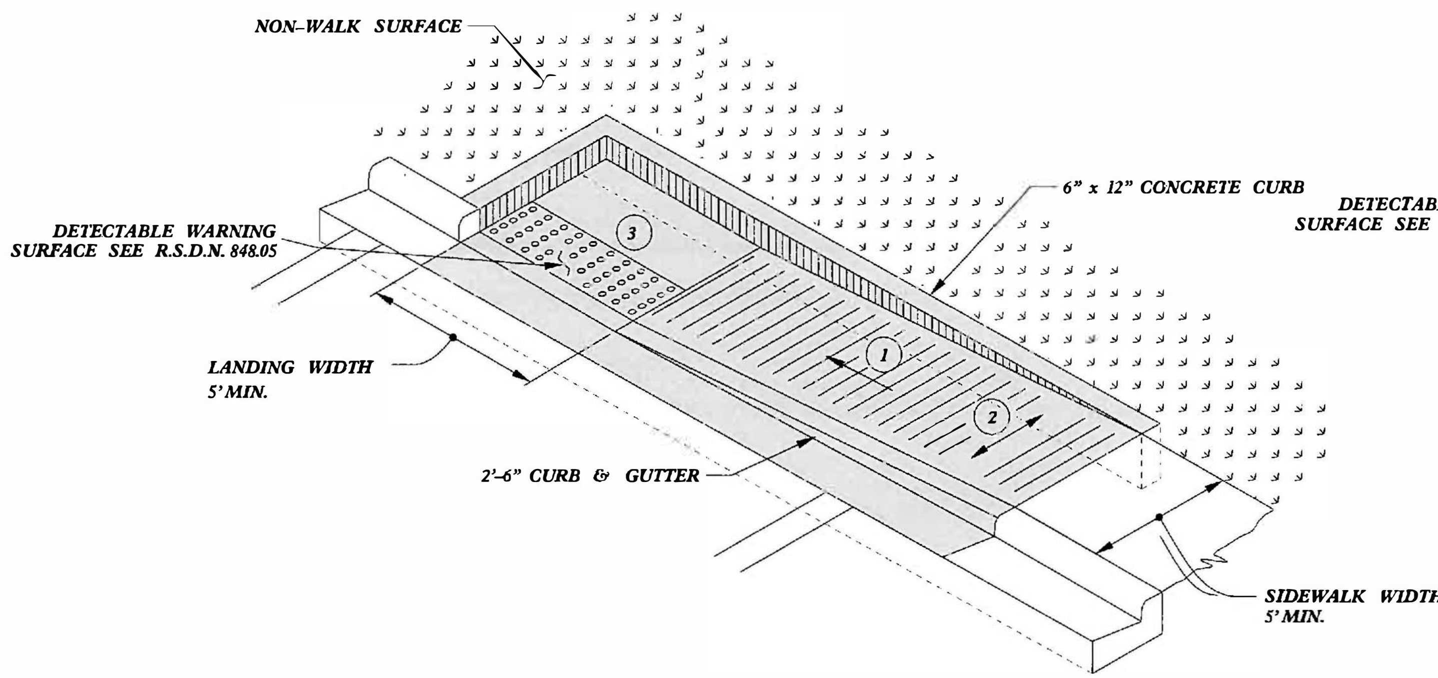
PROJECT REFERENCE NO.	SHEET NO.
R-5792AL & AQ	2B-1



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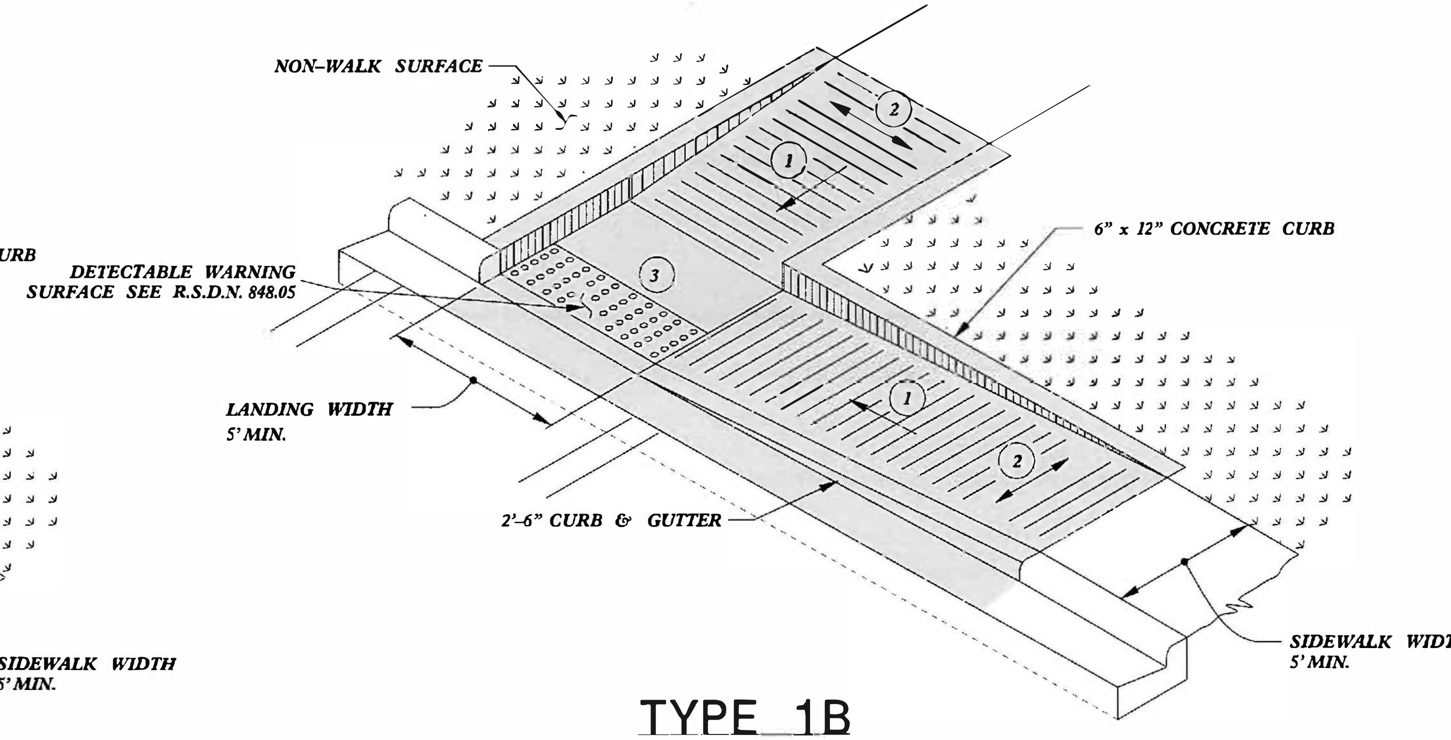
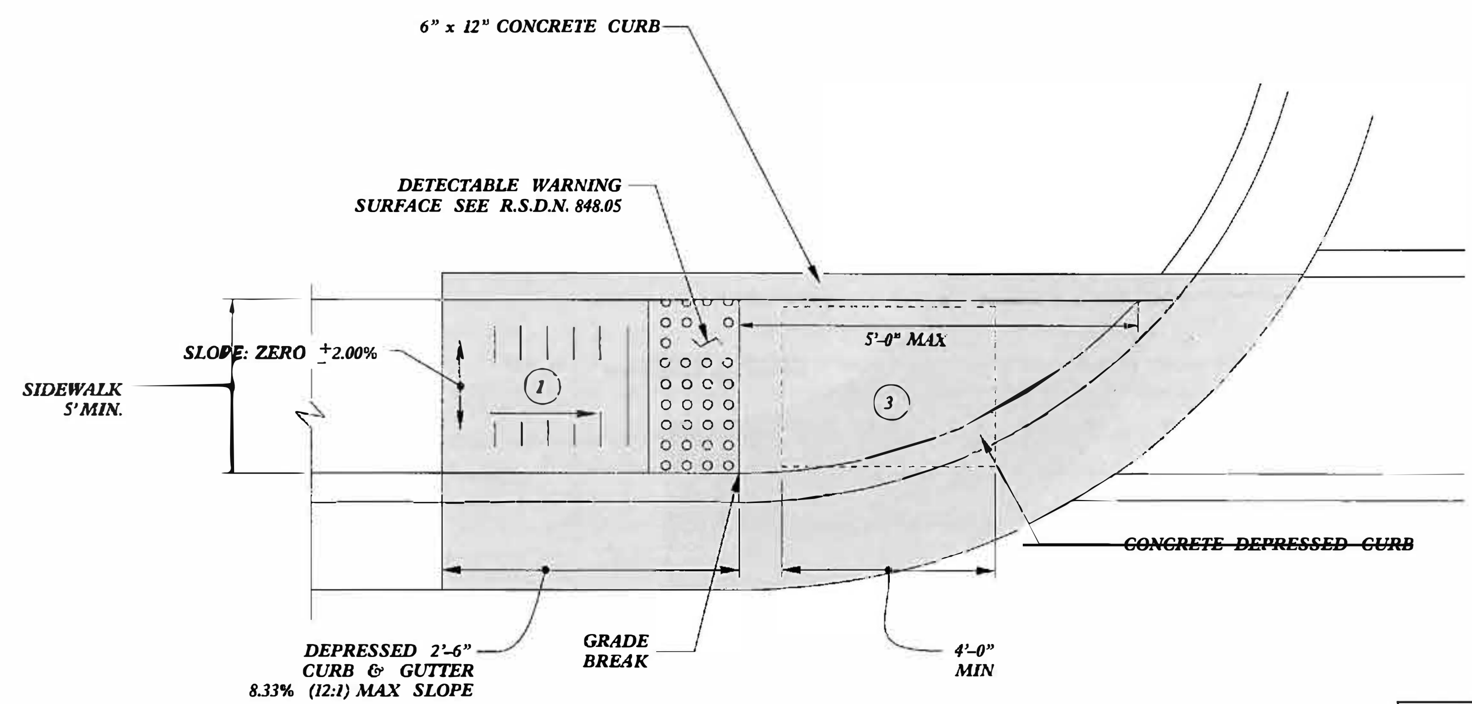


TYPE 1B



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.

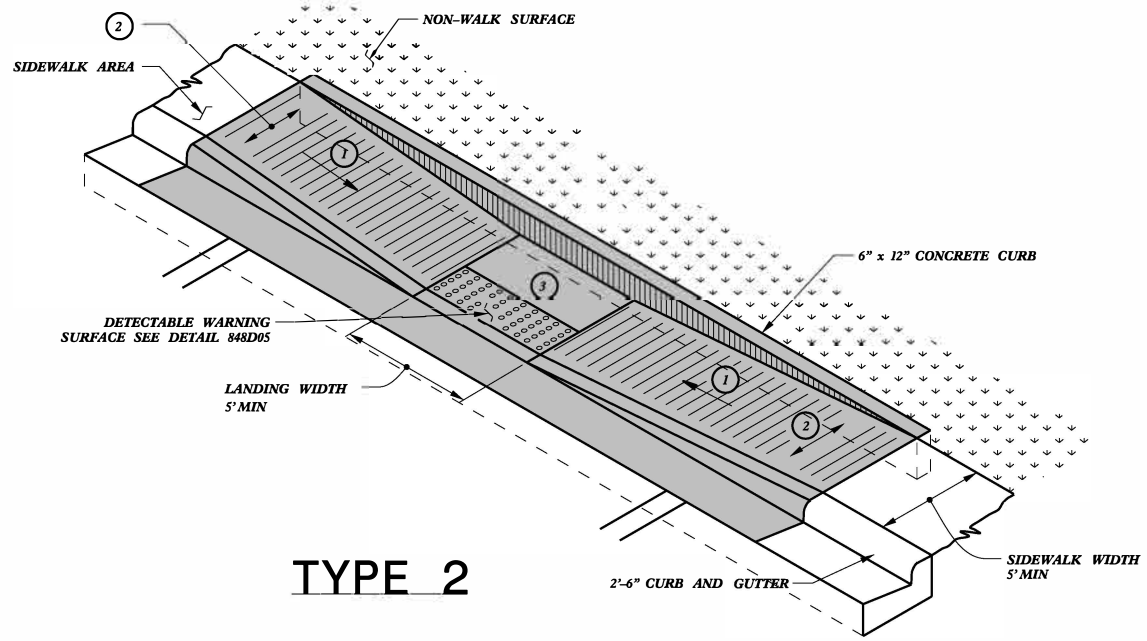
REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

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

CURB RAMPS
Directional Ramps

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC. stds/2012CurbRamp/CurbRampDetails.dgn

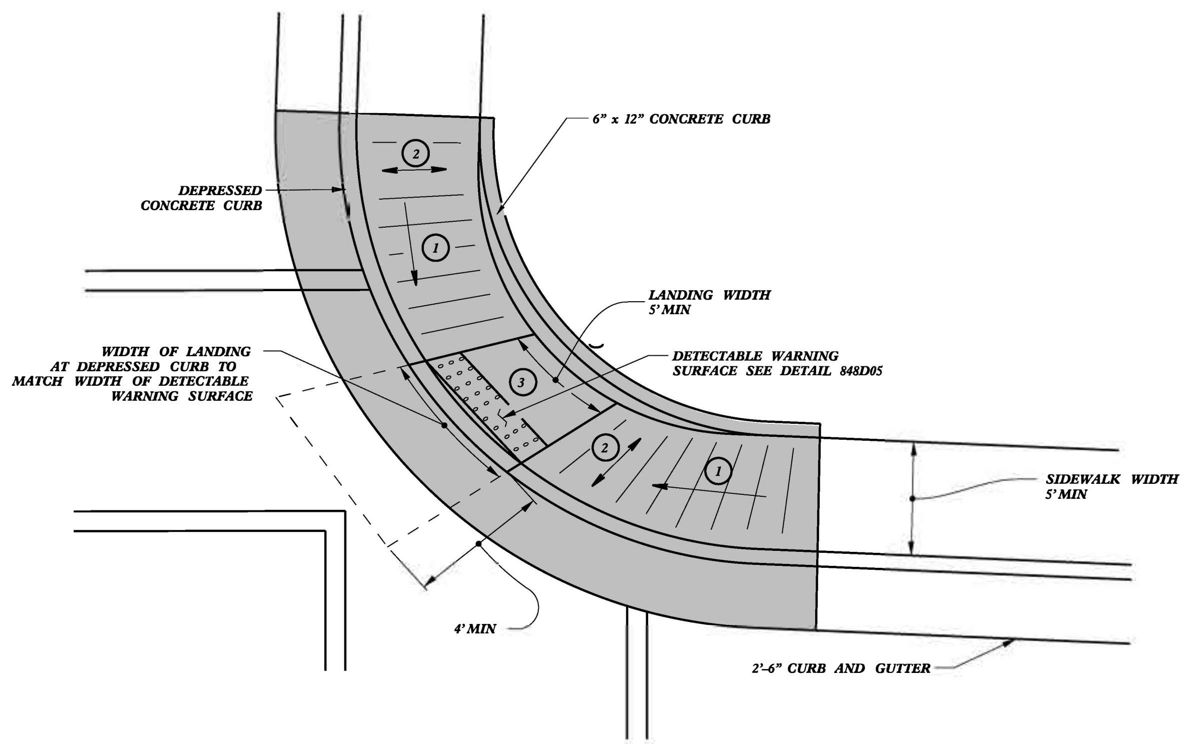
PROJECT REFERENCE NO.	SHEET NO.
R-5792AL & AQ	2B-2



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.*



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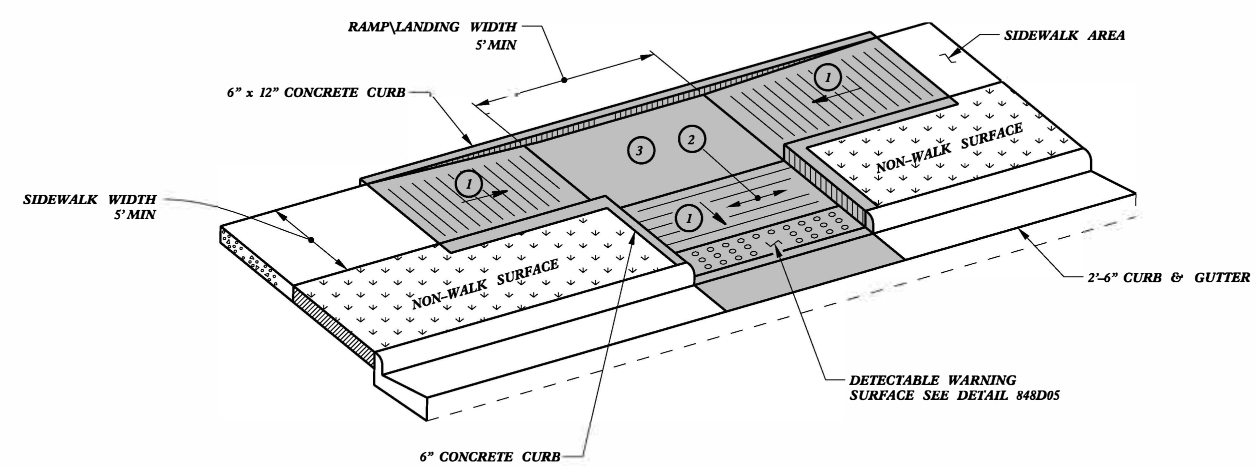


TYPE 2B

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

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

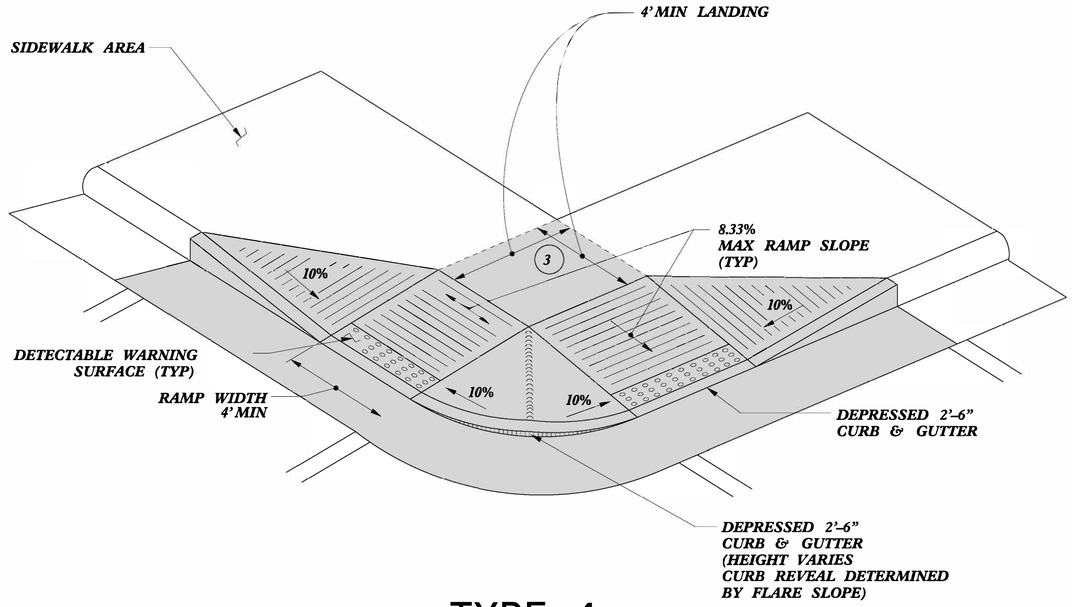
CURB RAMPS

Parallel Ramps

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: stds/2012CurbRamp/CurbRampDetails.dgn

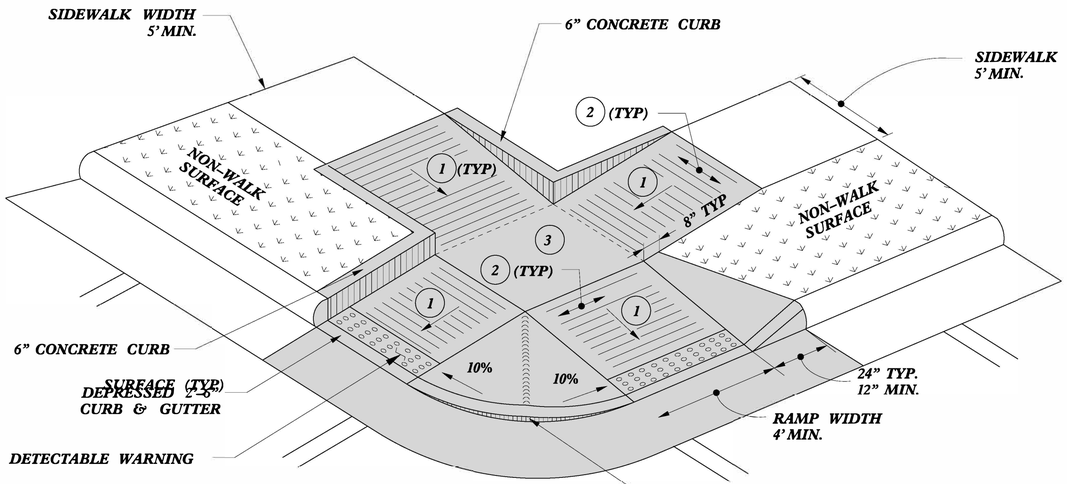
5/14/99
22-MAR-2012 15:07
S:\Contracts\Contracts\Special Details\jhowerton\Standard Drawings\2012 Standard Drawings\2012 Curb Ramp Special Details\Curb Ramp Details.dgn
jhowerton AT CSD23750I

PROJECT REFERENCE NO.	SHEET NO.
R-5792AL & AQ	2B-3

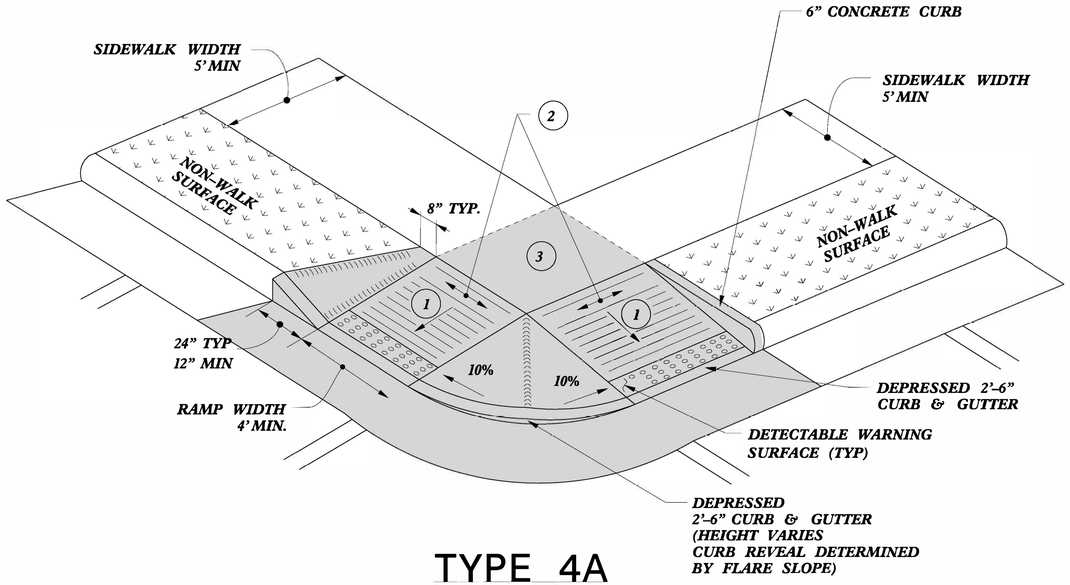


TYPE 4

PAY LIMITS FOR 2 CURB RAMPS



TYPE 5



TYPE 4A

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.

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

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. stds/2012CurbRamp/CurbRampDetails.dgn

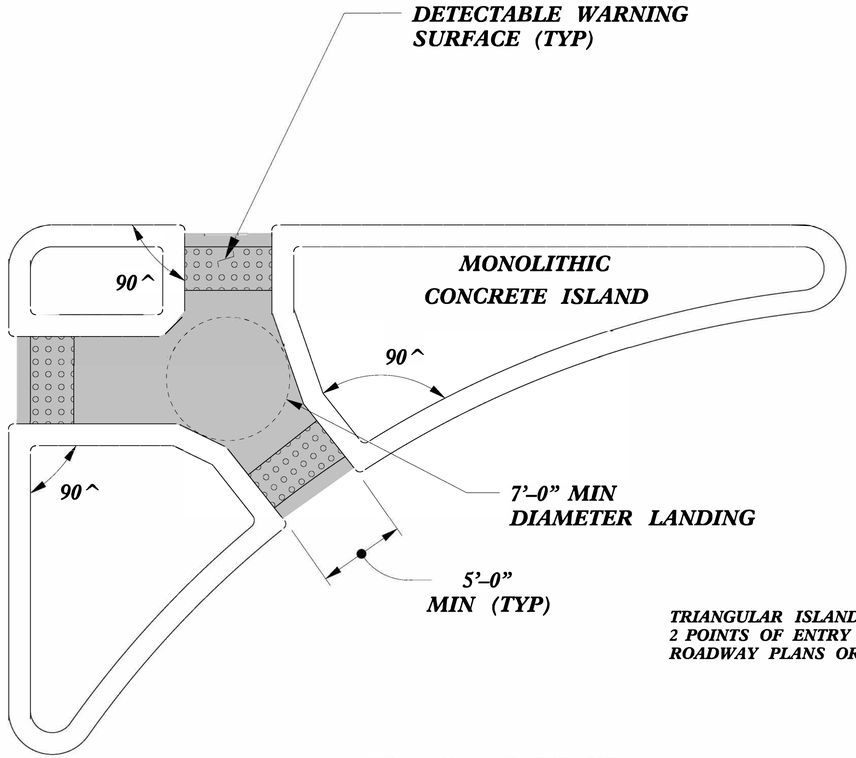
5/14/99

$$$$USERNAME$$$$
$$$$DGNFILE$$$$
$$$$CELLNAME$$$$
$$$$SYSTIME$$$$

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
R-5792AL & AQ	2B-4

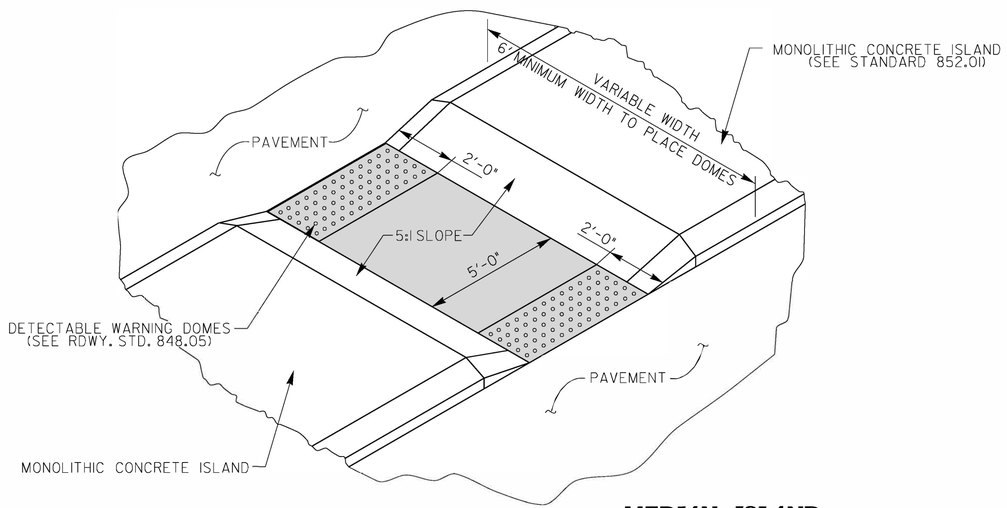
PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF SETS OF TRUNCATED DOMES)



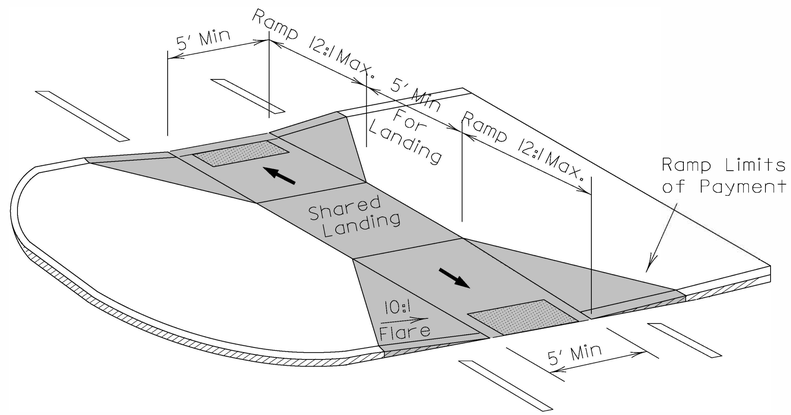
TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

TRIANGULAR ISLAND WITH CUT THROUGH

TYPE 6



MEDIAN ISLAND WITH CUT THROUGH



MEDIAN ISLAND CURB RAMPS

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

CURB RAMPS

Median or Turn Lane Islands

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC. stds/2012CurbRamp/CurbRampDetails.dgn

$$$$SYSTEM$$$$
$$$$SCALE$$$$
$$$$USERNAME$$$$

SUMMARY OF QUANTITIES

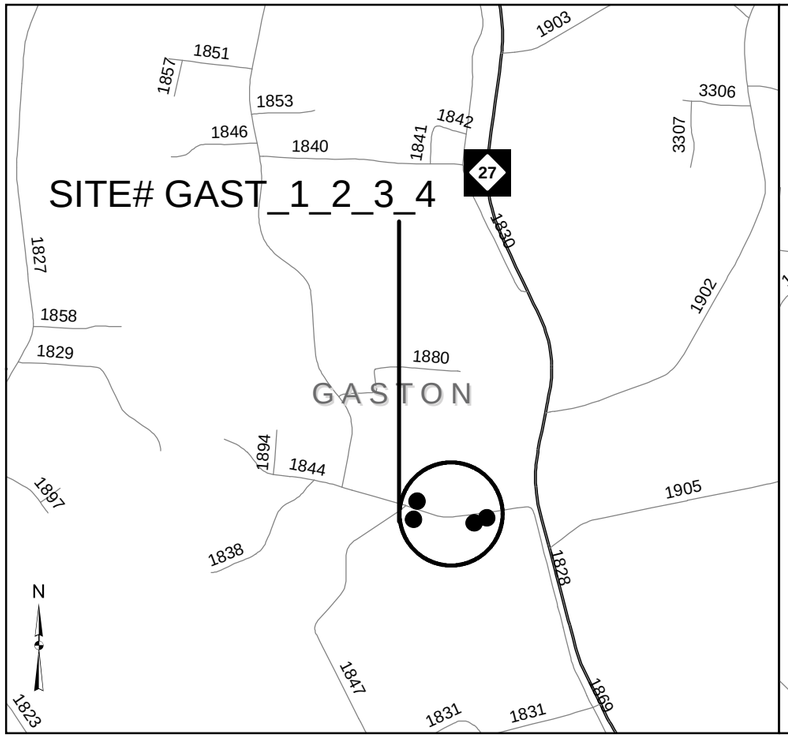
Proj. #	5792AM_AR
Sheet	2C-1

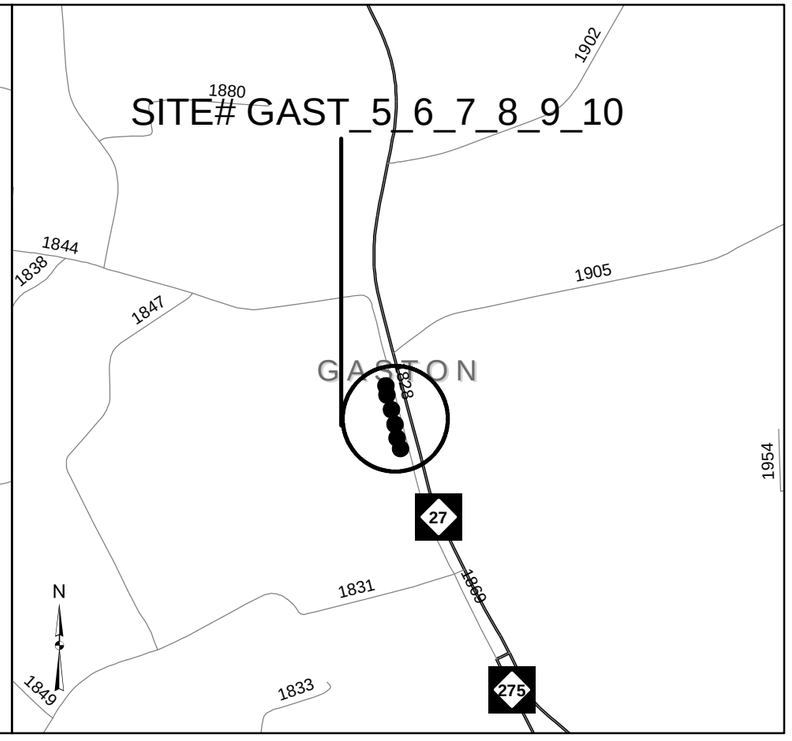
Sheet #	Division	County	Municipality	Under 5k Population? (Y/N)	WBS No.	Major Route	Minor Route	Proposed Concrete Sidewalk (SY)	Proposed 2'6" Concrete C&G (LF)	Proposed Remove Existing Curb Ramps (EA)	Proposed Retrofit Existing Concrete Curb Ramp (EA)	Proposed Remove and Replace Existing Curb Ramp (EA)	Site #	Comments
4	12	Gaston	Stanley	Y	44922.3.18	SR-1828 (Hovis Rd.)	Crosswalk East of Fourth St.					2	Gast_1_2	(1) - Type 2, (1) - Type 2B
4	12	Gaston	Stanley	Y	44922.3.18	SR-1828 (Hovis Rd.)	Buckoak St.					2	Gast_3_4	(2) - Type 1
4	12	Gaston	Stanley	Y	44922.3.18	SR-1828 (Main St.)	Poplar St.					2	Gast_5_6	(2) - Type 1
4	12	Gaston	Stanley	Y	44922.3.18	SR-1828 (Main St.)	Rhyne St.					2	Gast_7_8	(2) - Type 1
4	12	Gaston	Stanley	Y	44922.3.18	SR-1828 (Main St.)	Parkwood St.					2	Gast_9_10	(2) - Type 1
4	12	Gaston	Stanley	Y	44922.3.18	SR-1828 (Main St.)	Church St.					2	Gast_11_12	(1) - Type 2, (1) - Type 1A
4	12	Gaston	Stanley	Y	44922.3.18	SR-1828 (Main St.)	College St.					2	Gast_13_14	(2) - Type 1A
4	12	Gaston	Stanley	Y	44922.3.18	NC 275	SR-1869 (Main St.)					1	Gast_15	(1) - Type 1B
4	12	Gaston	Stanley	Y	44922.3.18	NC 275	Plum St.					2	Gast_16_17	(1) - Type 4 Modified (1 Ramp), (1) - Type 1B
5	12	Gaston	Stanley	Y	44922.3.18	NC 275	Carpenter St.					1	Gast_18	(1) - Type 4A Modified (1 Ramp)
5	12	Gaston	Stanley	Y	44922.3.18	NC 275	Buckoak St.					2	Gast_19_20	(2) - Type 1
5	12	Gaston	Stanley	Y	44922.3.18	NC 275	Wilson St.					2	Gast_21_22	(2) - Type 1
5	12	Gaston	Stanley	Y	44922.3.18	NC 275	Ethel Dr.					1	Gast_23	(1) - Type 1
5	12	Gaston	Stanley	Y	44922.3.18	NC 275	SR-1834 (Durham Rd.)					2	Gast_24_25	(2) - Type 1
6	12	Gaston	Stanley	Y	44922.3.18	NC 27	New St.					2	Gast_26_27	(1) - Type 1A, (1) - Type 1B
6	12	Gaston	Stanley	Y	44922.3.18	NC 27	McLurd St.					1	Gast_28	(1) - Type 1
6	12	Gaston	Dallas	Y	44922.3.18	NC 275	Gaston College Access Rd.					1	Gast_29	(1) - Std. 848.06 (Sheet 1)
7	12	Gaston	Dallas	Y	44922.3.18	NC 275	US 321 BUS					1	Gast_30	(1) - Std. 848.06 (Sheet 2)
7	12	Gaston	Dallas	Y	44922.3.18	NC 275	US 321 Ramp					2	Gast_31_32	(2) - Std. 848.06 (sheet 1)
7	12	Gaston	Dallas	Y	44922.3.18	NC 275	US 321 Ramp					2	Gast_33_34	(2) - Std. 848.06 (Sheet 1)
7	12	Gaston	Dallas	Y	44922.3.18	NC 275	Walnut St.					4	Gast_35_36_37_38	(1) - Std. 848.06 (Sheet 2), (2) - Type 2, (1) - Type 1A
7	12	Gaston	Dallas	Y	44922.3.18	NC 275	Hoffman St.					4	Gast_39_40_41_42	(2) - Type 2A, (1) - Type 1B, (1) - Type 1A
7	12	Gaston	Dallas	Y	44922.3.18	NC 275	Maple St.					4	Gast_43_44_45	(1) - Type 1A, (1) - Type 2A, (1) - Type 4A
8	12	Gaston	Dallas	Y	44922.3.18	NC 275	N. Oakland St.					4	Gast_46_47_48_49	(1) - Type 2A, (1) - Type 1, (2) - Type 1B
8	12	Gaston	Dallas	Y	44922.3.18	NC 275	N. College St.					3	Gast_50_51_52	(1) - Type 4A Modified (1 Ramp), (1) - Type 1, (1) - Type 1B
8	12	Gaston	Dallas	Y	44922.3.18	NC 275	Terry St.					2	Gast_53_54	(2) - Type 1
8	12	Gaston	Dallas	Y	44922.3.18	NC 275	Spargo St.					2	Gast_55_56	(1) - Type 1, (1) - Type 1B
9	12	Gaston	Dallas	Y	44922.3.18	NC 275	NC 279					2	Gast_57_58	(1) - Type 1A, (1) - Type 1B
9	12	Gaston	Dallas	Y	44922.3.18	SR-2278 (Gaston St.)	Carlton St.					1	Gast_59	(1) - Type 1
9	12	Gaston	Dallas	Y	44922.3.18	SR-2278 (Gaston St.)	Holland St.					1	Gast_60	(1) - Type 1
9	12	Gaston	Ranlo	Y	44922.3.18	SR-2200 (Spencer Mountain Rd.)	Burlington Ave.					2	Gast_61_62	(1) - Type 1, (1) - Type 1B
10	12	Gaston	Ranlo	Y	44922.3.18	SR-2200 (Spencer Mountain Rd.)	Ranlo Ave.					2	Gast_63_64	(2) - Type 1
10	12	Gaston	Ranlo	Y	44922.3.18	SR-2200 (Spencer Mountain Rd.)	Rhyne St.					2	Gast_65_66	(2) - Type 1
10	12	Gaston	Ranlo	Y	44922.3.18	SR-2200 (Spencer Mountain Rd.)	Church Ave.					2	Gast_67_68	(2) - Type 1
11	12	Gaston	Ranlo	Y	44922.3.18	SR-2200 (Spencer Mountain Rd.)	E. Long Ave.					1	Gast_69	(1) - Type 1
11	12	Gaston	Ranlo	Y	44922.3.18	NC 7	SR-2200 (Cox Rd.)					6	Gast_70_71_72_73_74_75	(4) - Type 2, (2) - Type 2A
11	12	Gaston	Ranlo	Y	44922.3.18	NC 7	Smyre Dr.					1	Gast_76	(1) - Type 1
12	12	Gaston	Lowell	Y	44922.3.18	NC 7	Rhyne St.					1	Gast_77	(1) - Type 1
12	12	Gaston	Lowell	Y	44922.3.18	NC 7	SR-2221 (Linberger Rd.)					2	Gast_78_79	(2) - Type 1
12	12	Gaston	Lowell	Y	44922.3.18	NC 7	SR-2215 (Oakland Dr.)					2	Gast_80_81	(2) - Type 1A
13	12	Gaston	Lowell	Y	44922.3.18	NC 7	N. Clay St.					2	Gast_82_83	(2) - Type 1A
13	12	Gaston	Lowell	Y	44922.3.18	NC 7	Birch St.					2	Gast_84_85	(1) - Type 1A, (1) - Type 1
13	12	Gaston	Lowell	Y	44922.3.18	NC 7	Phillips St.					1	Gast_86	(1) - Type 1
13	12	Gaston	Lowell	Y	44922.3.18	NC 7	Hemlock Ave.					2	Gast_87_88	(2) - Type 4A Modified (1 Ramp)
14	12	Gaston	Lowell	Y	44922.3.18	NC 7	SR-2213 (E. First St.)					4	Gast_89_90_91_92	(4) - Std. 848.06 (Sheet 2)
14	12	Gaston	Lowell	Y	44922.3.18	SR-2213 (E. First St.)	Mill St. and Groves St.					2	Gast_93_94	(2) - Type 1
14	12	Gaston	Lowell	Y	44922.3.18	SR-2329 (S. Main St.)	Reid St.					4	Gast_95_96_97_98	(4) - Type 2
15	12	Gaston	Lowell	Y	44922.3.18	SR-2329 (S. Main St.)	Branch St.					2	Gast_99_100	(1) - Type 2, (1) - Type 1A
15	12	Gaston	Lowell	Y	44922.3.18	SR-2329 (S. Main St.)	Henderson St.					3	Gast_101_102_103	(1) - Type 2, (1) - Type 2A, (1) - Type 1A
15	12	Gaston	Lowell	Y	44922.3.18	SR-2329 (S. Main St.)	SR-2339 (Railroad St.)					1	Gast_104	(1) - Type 2
15	12	Gaston	Lowell	Y	44922.3.18	NC 7	Second St.					7	Gast_105_106_107_108_109_110_111	(2) - Type 2, (2) - Type 1B, (2) - Type 1, (1) - Type 2A
16	12	Gaston	Lowell	Y	44922.3.18	NC 7	SR-2201 (N. Main St.)					4	Gast_112_113_114_115	(3) - Type 1A, (1) - Type 2B
16	12	Gaston	Lowell	Y	44922.3.18	NC 7	Mill St.					2	Gast_116_117	(2) - Type 1A
16	12	Gaston	Lowell	Y	44922.3.18	NC 7	Bridge St.					2	Gast_118_119	(2) - Type 1
16	12	Gaston	Lowell	Y	44922.3.18	NC 7	N. Oak St.					2	Gast_120_121	(2) - Type 1
16	12	Gaston	Lowell	Y	44922.3.18	NC 7	Tennant St.					2	Gast_122_123	(2) - Type 1A
17	12	Gaston	Lowell	Y	44922.3.18	SR-2201 (N. Main St.)	Park Cr.					2	Gast_124_125	(1) - Type 1A, (1) - Type 1
17	12	Gaston	Lowell	Y	44922.3.18	SR-2201 (N. Main St.)	SR-2207 (Lineberger St.)					3	Gast_126_127_128	(2) - Type 1A, (1) - Type 2A
17	12	Gaston	Lowell	Y	44922.3.18	SR-2201 (N. Main St.)	Marguerite Dr.					2	Gast_129_130	(2) - Type 1A
18	12	Gaston	Lowell	Y	44922.3.18	SR-2201 (N. Main St.)	Preston Dr.					2	Gast_131_132	(2) - Type 1A
18	12	Gaston	McAdenville	Y	44922.3.18	NC 7	SR-2208 (Ford Dr.)					1	Gast_133	(1) - Type 1
18	12	Gaston	McAdenville	Y	44922.3.18	NC 7	SR-2349 (Mockingbird Ln.)					2	Gast_134_135	(2) - Type 1
18	12	Gaston	McAdenville	Y	44922.3.18	NC 7	Park Dr.					1	Gast_136	(1) - Type 1
18	12	Gaston	McAdenville	Y	44922.3.18	NC 7	Crosswalk					2	Gast_137_138	(2) - Type 2
19	12	Gaston	McAdenville	Y	44922.3.18	NC 7	Elm St.					4	Gast_139_140_141_142	(1) - Type 2, (3) - Type 1

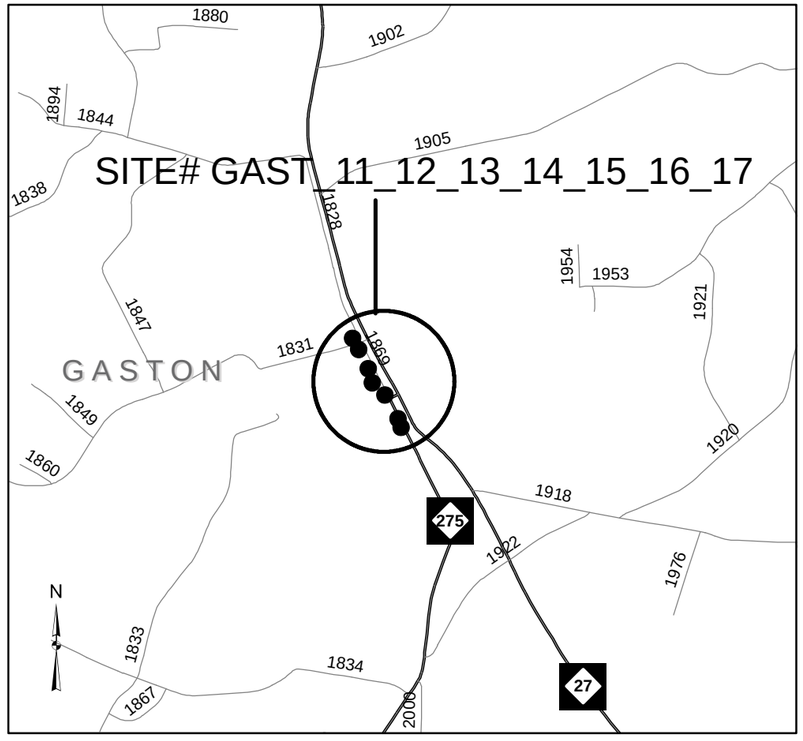
SUMMARY OF QUANTITIES

Proj. #	5792AM_AR
Sheet	2C-2

Sheet #	Division	County	Municipality	Under 5k Population? (Y/N)	WBS No.	Major Route	Minor Route	Proposed Concrete Sidewalk (SY)	Proposed 2'6" Concrete C&G (LF)	Proposed Remove Existing Curb Ramps (EA)	Proposed Retrofit Existing Concrete Curb Ramp (EA)	Proposed Remove and Replace Existing Curb Ramp (EA)	Site #	Comments
19	12	Gaston	McAdenville	Y	44922.3.18	NC 7	SR-2000 (Hickory Grove Rd.)					2	Gast_143_144	(2) - Type 2
19	12	Gaston	McAdenville	Y	44922.3.18	SR-2209 (Wesleyan Dr.)	Academy St.					6	Gast_145_146_147_148_149_150	(3) - Std. 848.06 (Sheet 1), (3) - Std. 848.06 (Sheet 3)
19	12	Gaston	McAdenville	Y	44922.3.18	SR-2209 (Wesleyan Dr.)	Church St.					6	Gast_151_152_153_154_155_156	(3) - Std. 848.06 (Sheet 3), (2) - Std. 848.06 (Sheet 2), (1) Tpye 1A
20	12	Gaston	McAdenville	Y	44922.3.18	SR-2209 (Wesleyan Dr.)	Crosswalk					2	Gast_157_158	(1) - Type 2, (1) - Type 1
20	12	Gaston	McAdenville	Y	44922.3.18	SR-2209 (Wesleyan Dr.)	Sanford Rd.					1	Gast_159	(1) - Type 1
20	12	Gaston	Cramerton	Y	44922.3.18	SR-2209 (Cramerton Rd.)	SR-2418 (Gaston Rd.)					2	Gast_160_161	(1) - Type 2A, (1) - Type 1B
21	12	Gaston	Cramerton	Y	44922.3.18	SR-3602 (Eighth Ave.)	Old Chestnut Way					2	Gast_162_163	(2) - Type 2
21	12	Gaston	Cramerton	Y	44922.3.18	SR-3602 (Eighth Ave.)	Scoggins St.					2	Gast_164_165	(2) - Type 1A
21	12	Gaston	Cramerton	Y	44922.3.18	SR-3602 (Eighth Ave.)	Brooklyn Ave.					1	Gast_166	(1) - Type 1
22	12	Gaston	Cramerton	Y	44922.3.18	SR-3602 (Eighth Ave.)	Eleventh St.					2	Gast_167_168	(1) - Type 2, (1) - Type 1
22	12	Gaston	Cramerton	Y	44922.3.18	SR-3602 (Eighth Ave.)	Julian St.					2	Gast_169_170	(2) - Type 2
22	12	Gaston	Cramerton	Y	44922.3.18	SR-3602 (Eighth Ave.)	200' NW of SR-3072 (Tenth St.)					2	Gast_171_172	(2) - Type 1
22	12	Gaston	Cramerton	Y	44922.3.18	SR-3602 (Eighth Ave.)	SR-3072 (Tenth St.)					4	Gast_173_174_175_176	(3) - Type 2A, (1) - Type 2
22	12	Gaston	Mount Holly	N	44922.3.23	NC 27	Hawthorne St.					2	Gast_177_178	(2) - Type 1A
23	12	Gaston	Mount Holly	N	44922.3.23	NC 27	Alexander St.					1	Gast_179	(1) - Type 2A
23	12	Gaston	Mount Holly	N	44922.3.23	NC 27	Lee St.					1	Gast_180	(1) - Type 2A
23	12	Gaston	Mount Holly	N	44922.3.23	NC 27	River St.					3	Gast_181_182_183	(2) - Type 2A, (1) Type 6
23	12	Gaston	Mount Holly	N	44922.3.23	SR-1923 (Woodlawn Ave.)	Hawthorne St.					1	Gast_184	(1) - Type 1B
24	12	Gaston	Mount Holly	N	44922.3.23	SR-1923 (Woodlawn Ave.)	Madison Dr.					1	Gast_185	(1) - Type 1A
24	12	Gaston	Mount Holly	N	44922.3.23	SR-2040 (Catawba Ave.)	Hawthorne St.					2	Gast_186_187	(1) - Type 2, (1) - Type 2A
24	12	Gaston	Mount Holly	N	44922.3.23	SR-2198 (Main St.)	Alsace St.					2	Gast_188_189	(2) - Type 1
25	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Forest Dr.					2	Gast_190_191	(2) - Type 1
25	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Stone River Pkwy.					2	Gast_192_193	(2) - Std. 848.06 (Sheet 1)
25	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Morris Ave.					2	Gast_194_195	(2) - Std. 848.06 (Sheet 1)
25	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Nantz Ave.					2	Gast_196_197	(2) - Type 1
26	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Walnut Ave.					5	Gast_198_199_200_201_202	(4) - Std. 848.06 (Sheet 1), (1) - Type 1A
26	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Killian Ave.					2	Gast_203_204	(1) - Type 1, (1) - Type 2
26	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Nims Ave.					2	Gast_205_206	(2) - Type 1
27	12	Gaston	Mount Holly	N	44922.3.23	NC 273	SR-1996 (N. Main St.)					2	Gast_207_208	(1) - Type 4A Modified (1 Ramp), (1) - Std. 848.06 (Sheet 1)
27	12	Gaston	Mount Holly	N	44922.3.23	NC 273	SR-2198 (N. Main St.)					3	Gast_209_210_211	(2) - Std.848.06 (Sheet 1), (1) - Type 2
27	12	Gaston	Mount Holly	N	44922.3.23	NC 273	NC 27					3	Gast_212_213_214	(3) - Type 2
27	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Central Ave.					3	Gast_215_216_217	(3) - Type 2
27	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Catawba Ave.					8	Gast_218_219_220_221_222_223_224_225	(8) - Std. 848.06 (Sheet 2)
28	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Piedmont Ave.					4	Gast_226_227_228_229	(1) - Type 1B, (3) - Type 1
28	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Glendale Ave.					4	Gast_230_231_232_233	(3) - Type 1, (1) - Type 4A Modified (1 Ramp)
28	12	Gaston	Mount Holly	N	44922.3.23	NC 273	Summit Ave.					4	Gast_234_235_236_237	(4) - Type 2B
29	12	Gaston	Bessemer City	N	44922.3.23	SR-1307 (W. Alabama Ave.)	S. Thirteenth St.	3	15	2		2	Gast_238_239_240_241	(1) - Type 4A Modified (1 Ramp), (1) - Std. 848.06 (Sheet 2), (2) - Removal
29	12	Gaston	Bessemer City	N	44922.3.23	SR-1448 (N. Twelfth St.)	W. Washington Ave.					6	Gast_242_243_244_245_246_247	(5) - Type 1, (1) - Type 1B
29	12	Gaston	Bessemer City	N	44922.3.23	NC 274	Crosswalk at City Hall				1		Gast_248	(1) - Retro-Fit
30	12	Gaston	Bessemer City	N	44922.3.23	NC 274	E. Eleventh St.					4	Gast_249_250_251_252	(4) - Type 1
30	12	Gaston	Bessemer City	N	44922.3.23	NC 274	E. Ohio Ave.					4	Gast_253_254_255_256	(2) - Std. 848.06 (Sheet 1), (1) - Type 1, (1) - Type 2
								3	**15**	**2**	**1**	**254**		







GASTON COUNTY
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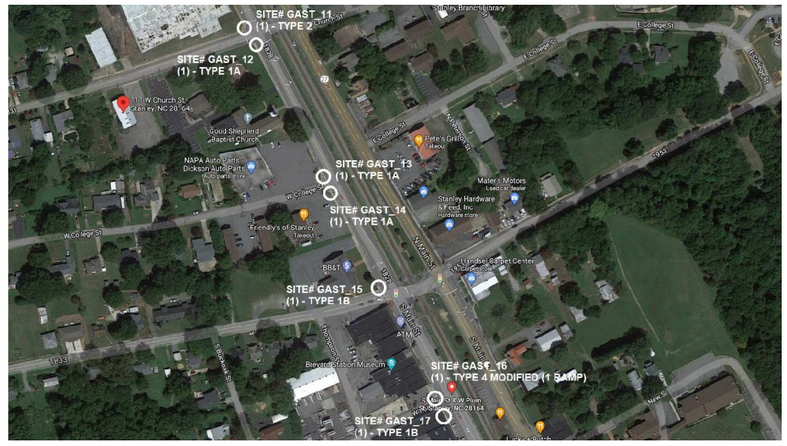
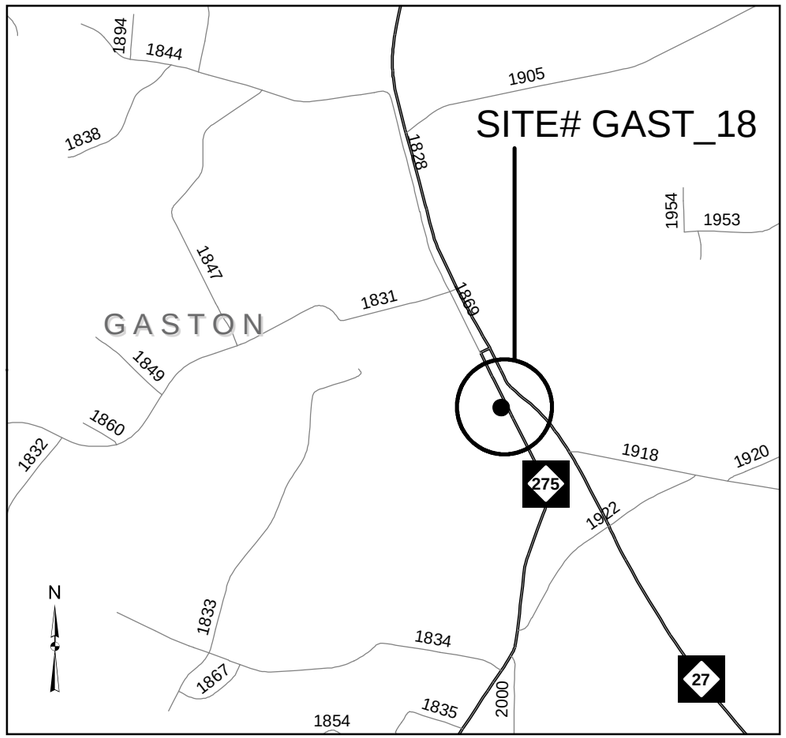
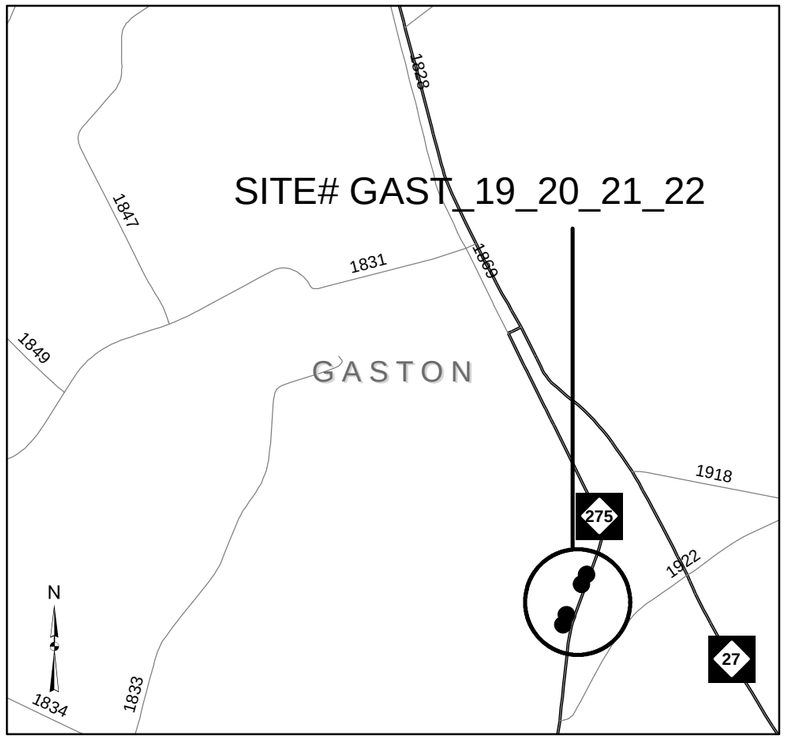
SR 1828 (MAIN ST.) @ CROSSWALK EAST OF FOURTH ST.
AND BUCKOAT ST.

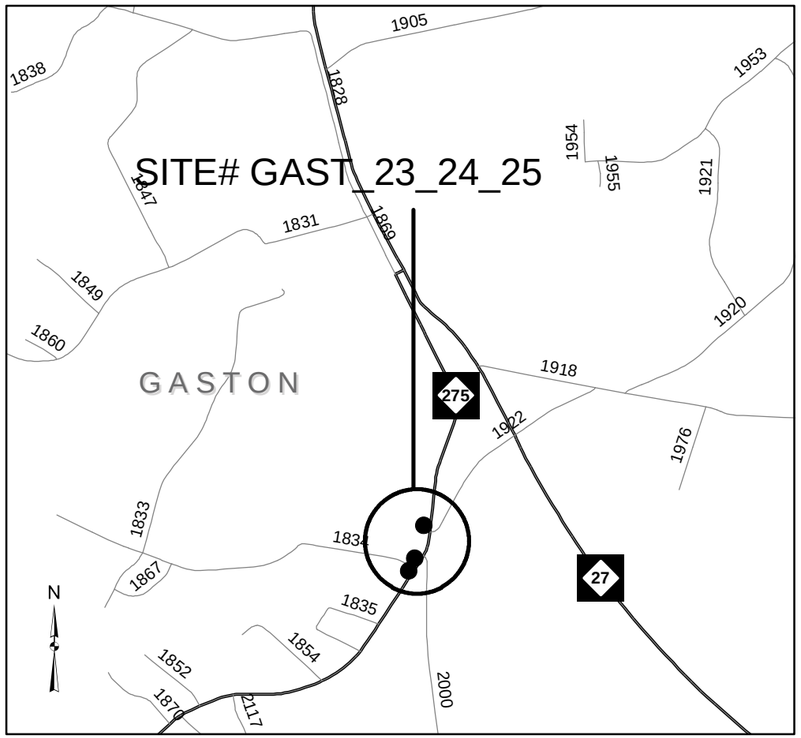
SR 1828 (MAIN ST.) @ POPLAR ST., RHYNE ST.
AND PARKWOOD ST.



SR 1828 (MAIN ST.) @ CHURCH ST. & COLLEGE ST. AND
NC 275 @ SR 1828 (MAIN ST.) & PLUM ST.







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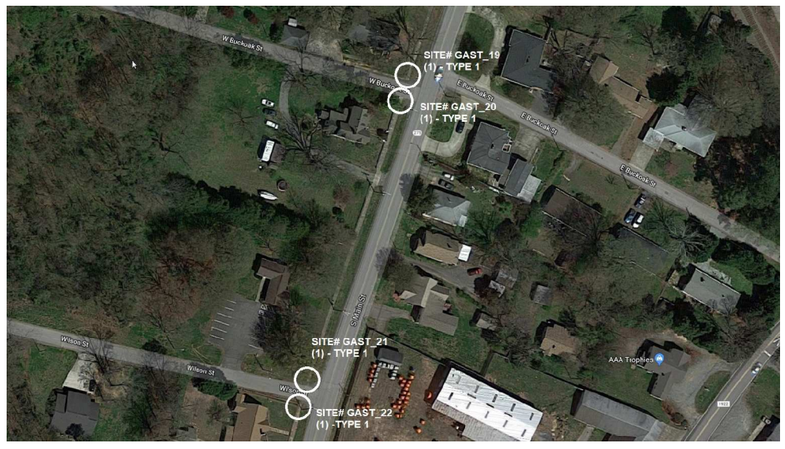
NC 275 @ CARPENTER ST.



NC 275 @ BUCKOAK ST. AND WILSON ST.

NC 275 @ ETHEL DR. AND SR 1834 (DURHAM RD.)

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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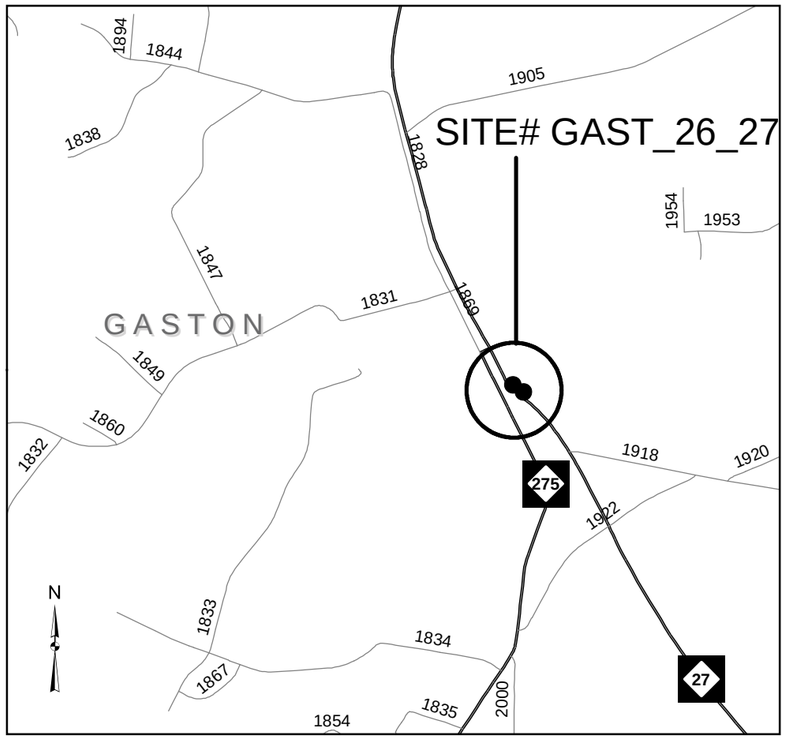

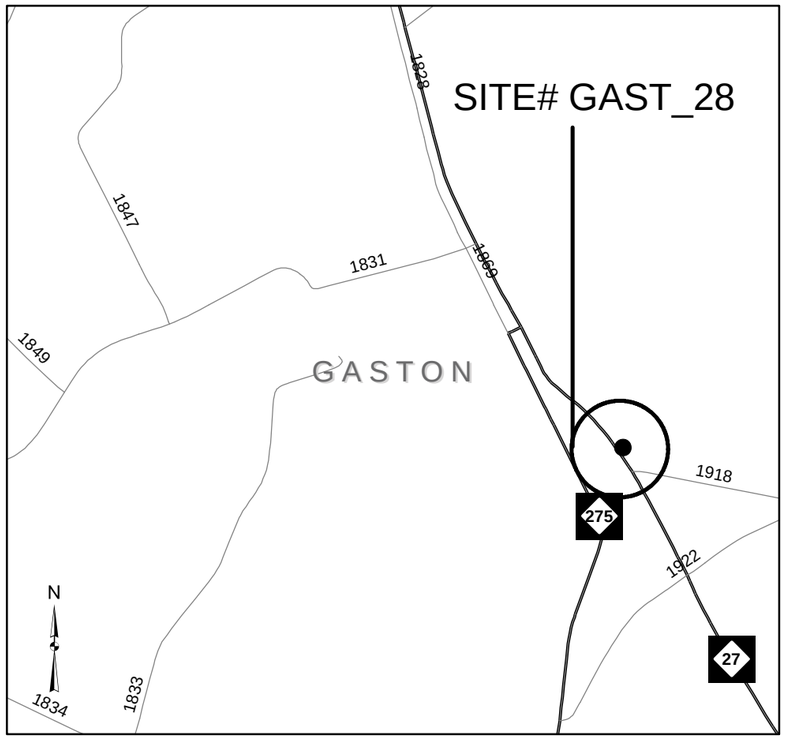

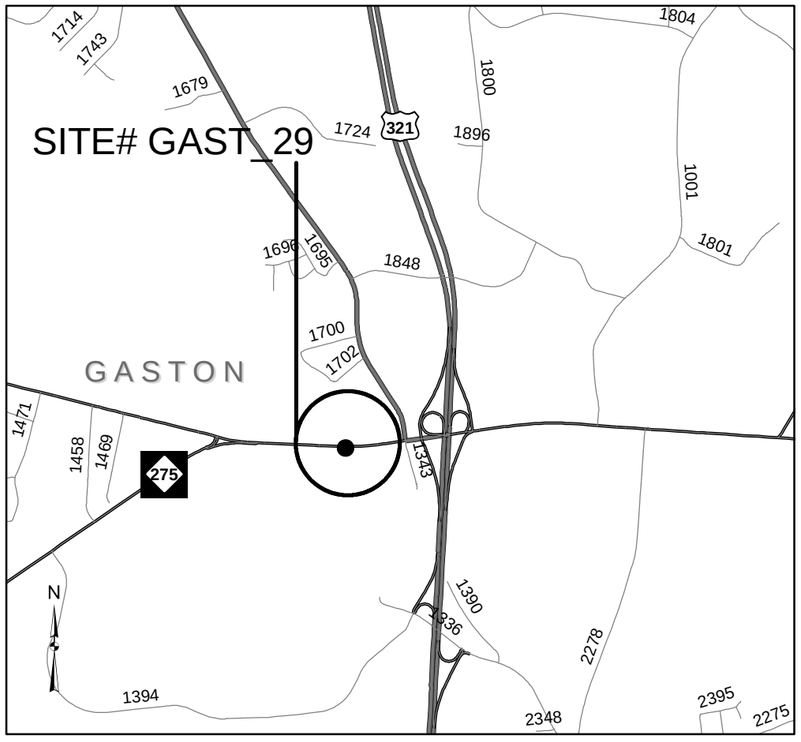

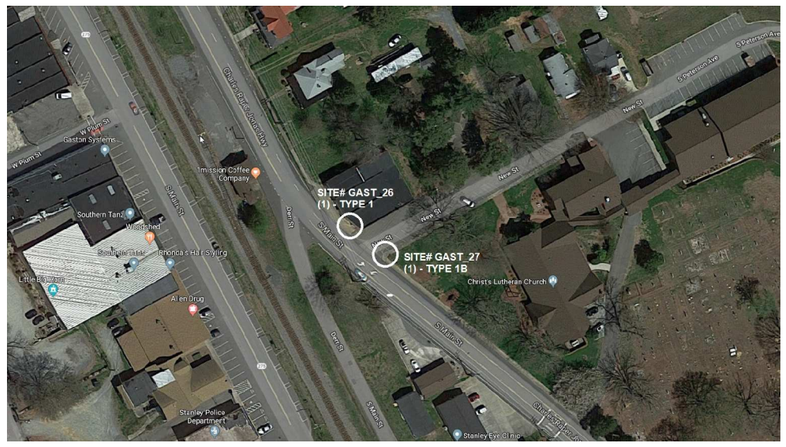

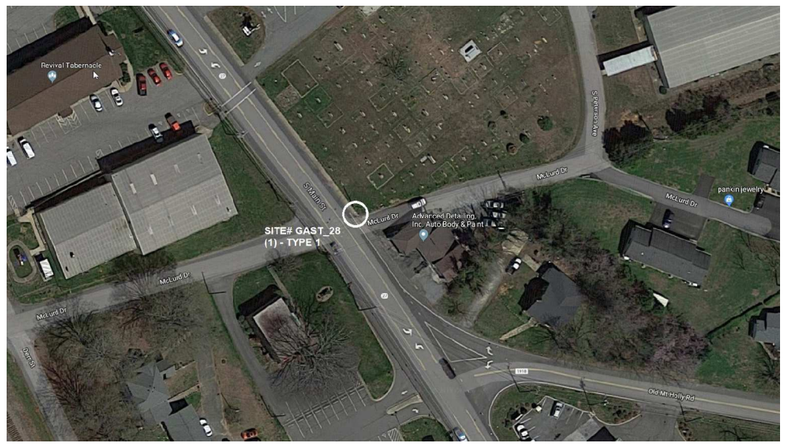

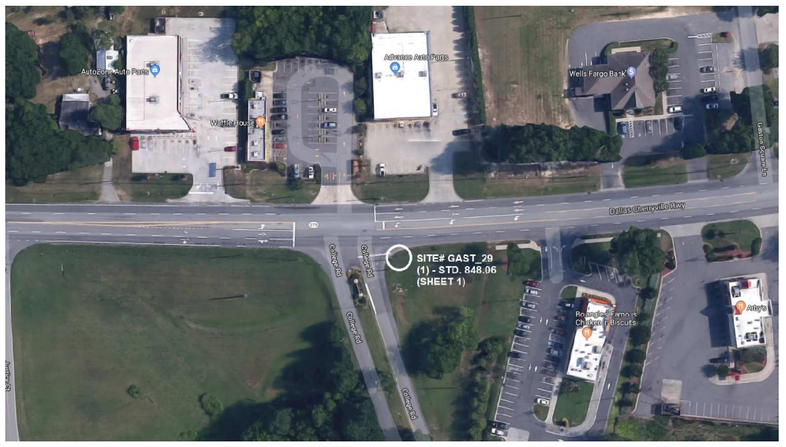

NC 27 @ NEW ST.

NC 27 @ McLURD ST.

NC 275 @ GASTON COLLEGE ACCESS RD.

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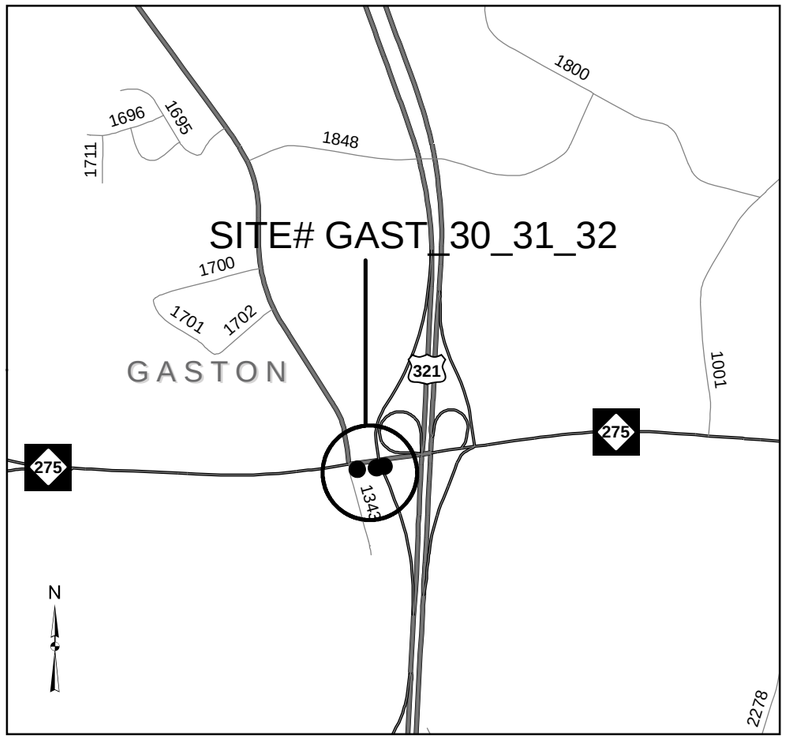
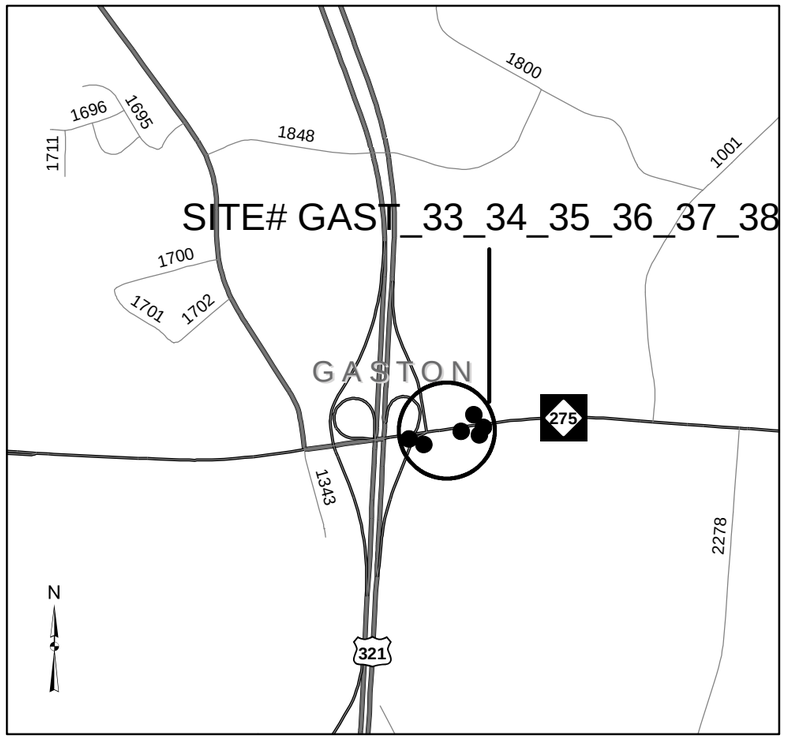
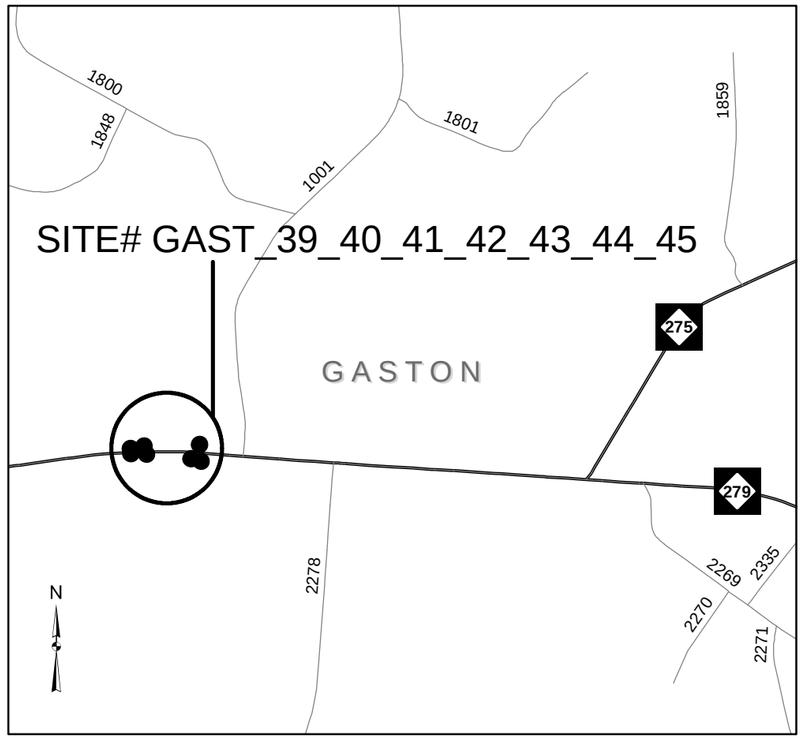
DEPARTMENT OF TRANSPORTATION







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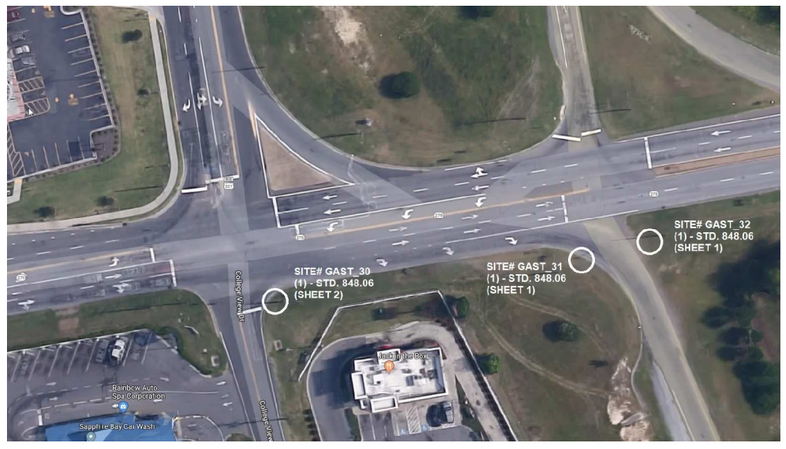
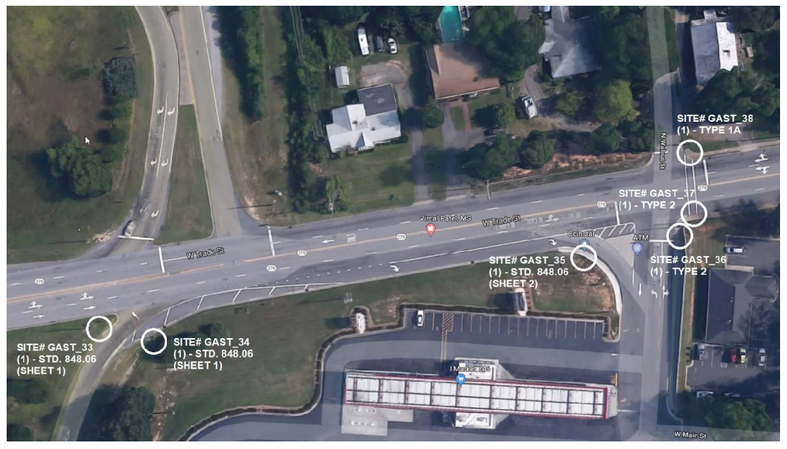


NC 275 @ US 321 BUS AND US 321 RAMP



NC 275 @ US 321 RAMP AND WALNUT ST.

NC 275 @ HOFFMAN ST. AND MAPLE

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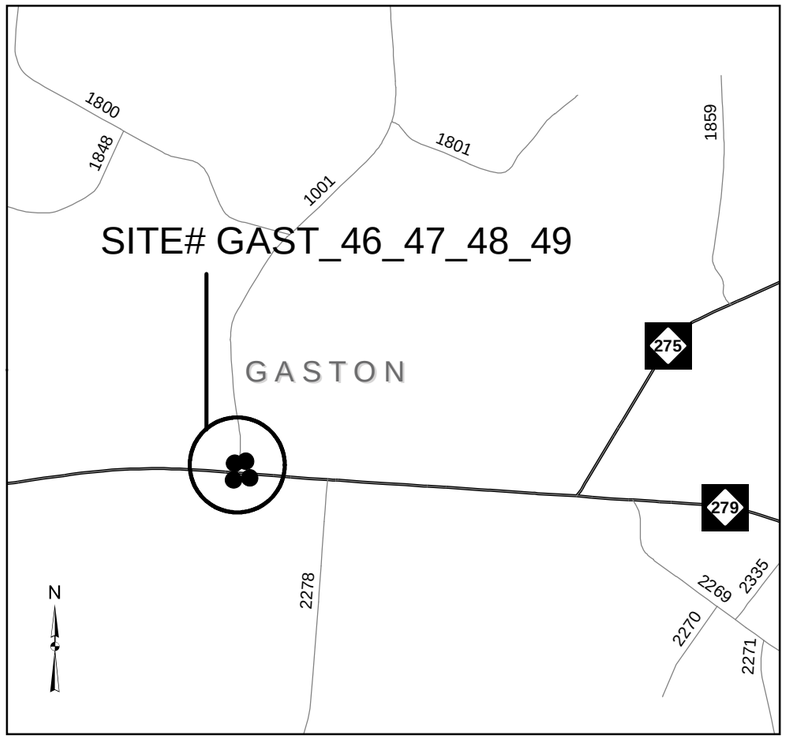
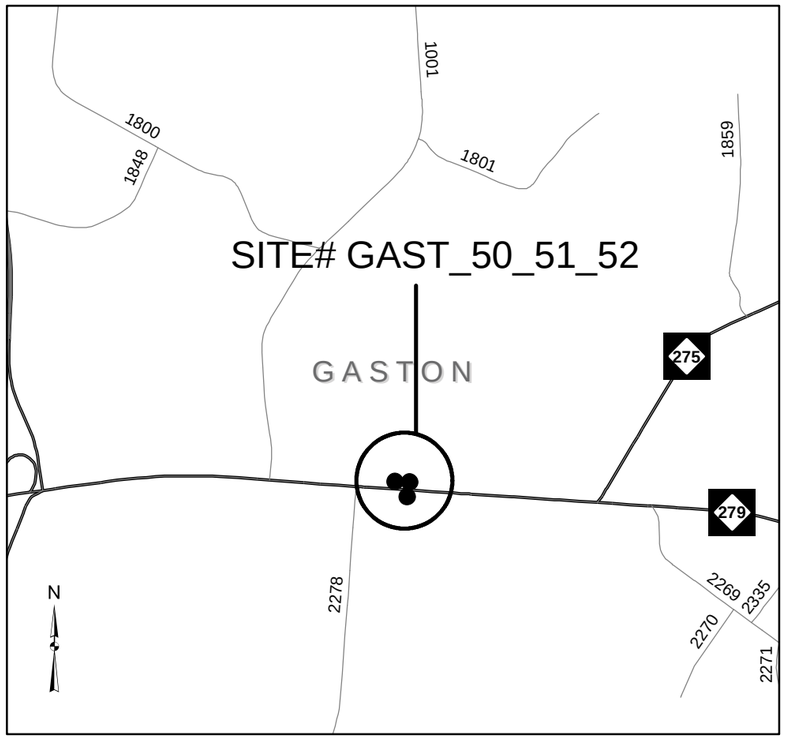
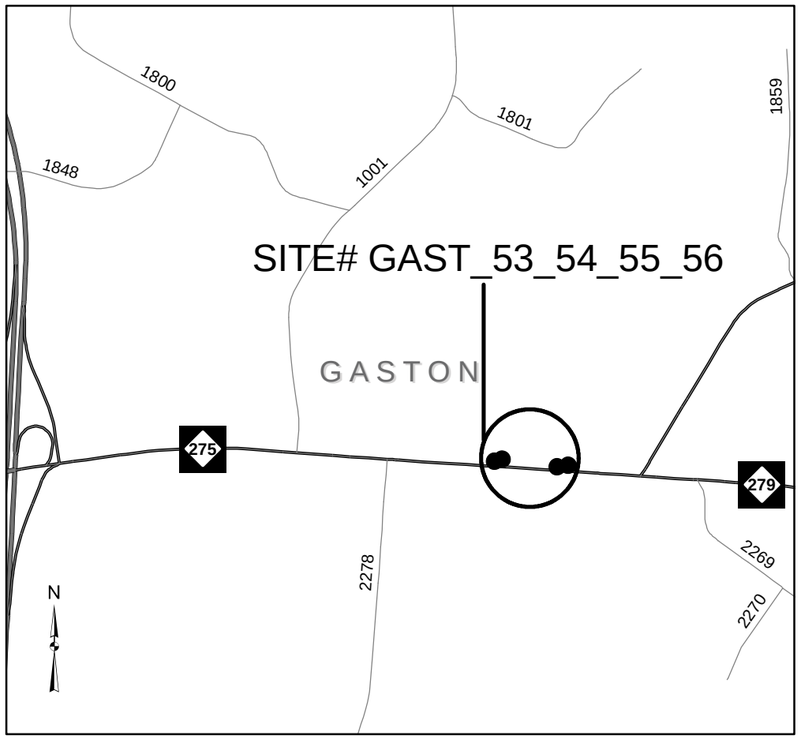
DEPARTMENT OF TRANSPORTATION







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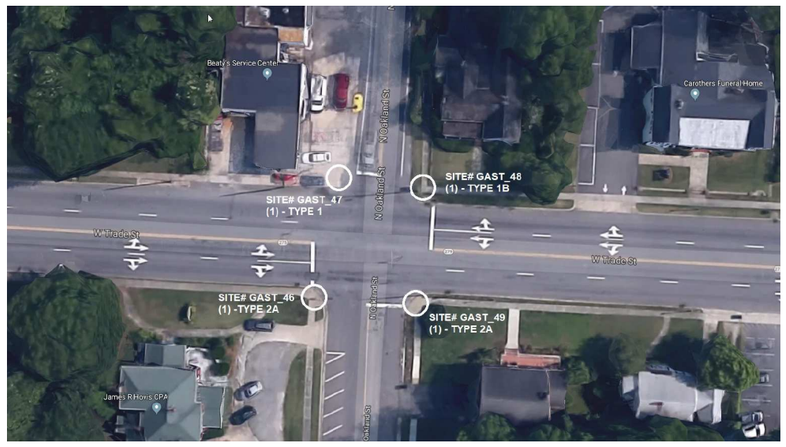
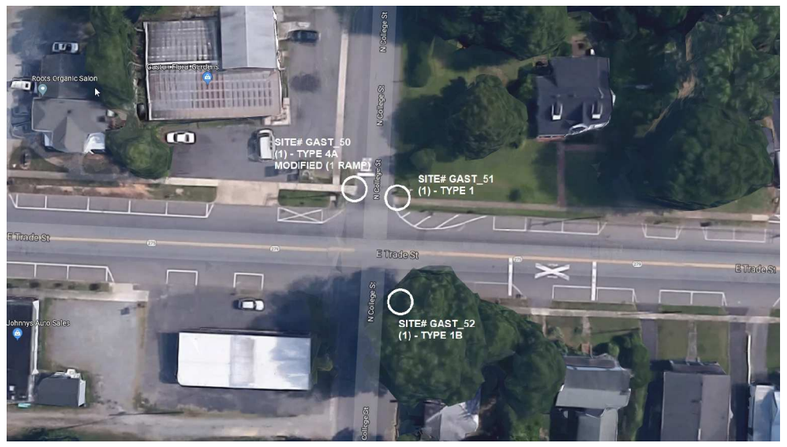


NC 275 @ N. OAKLAND ST.



NC 275 @ N. COLLEGE ST.

NC 275 @ TERRY ST. AND SPARGO ST.

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DEPARTMENT OF TRANSPORTATION

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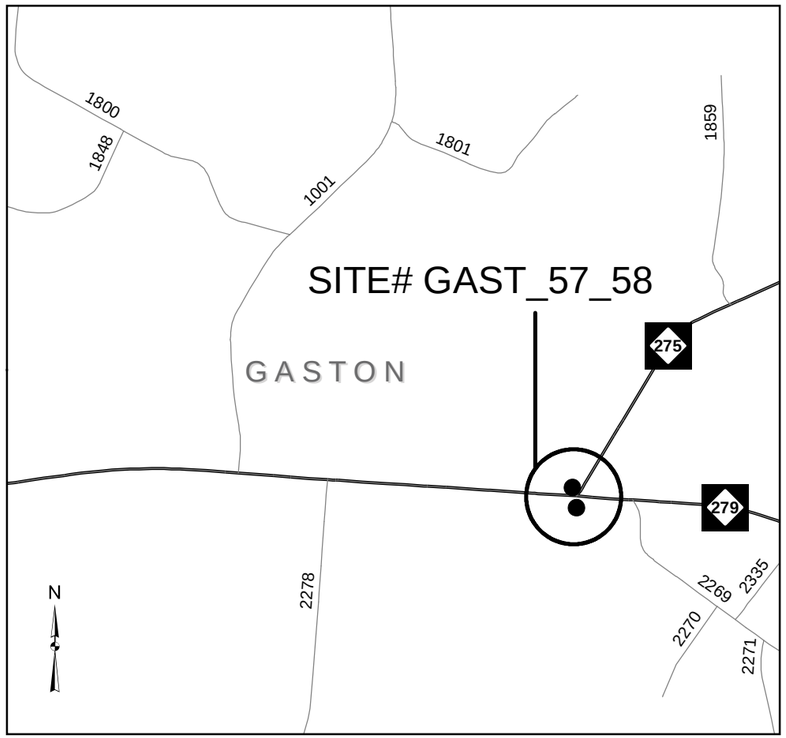

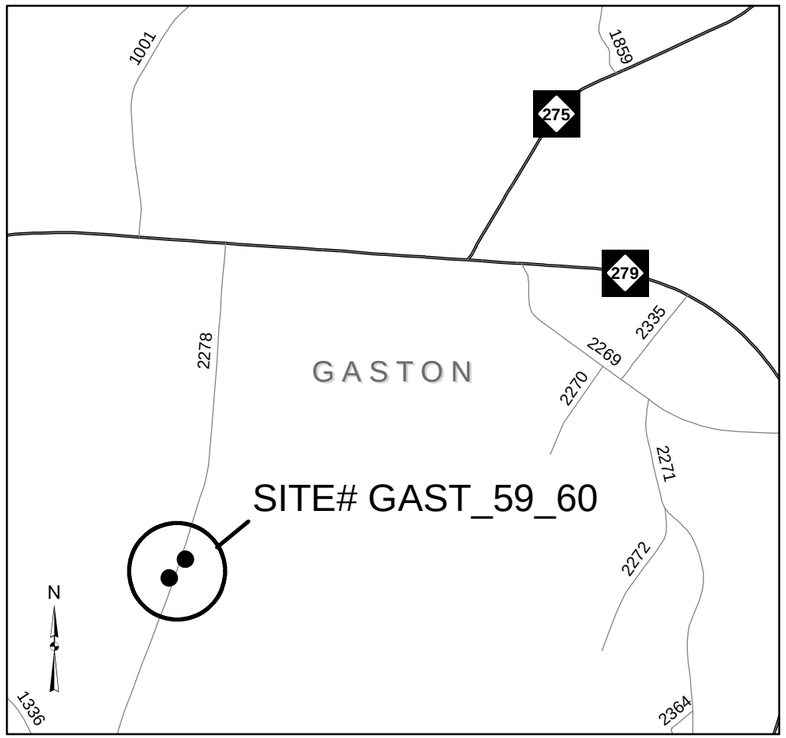

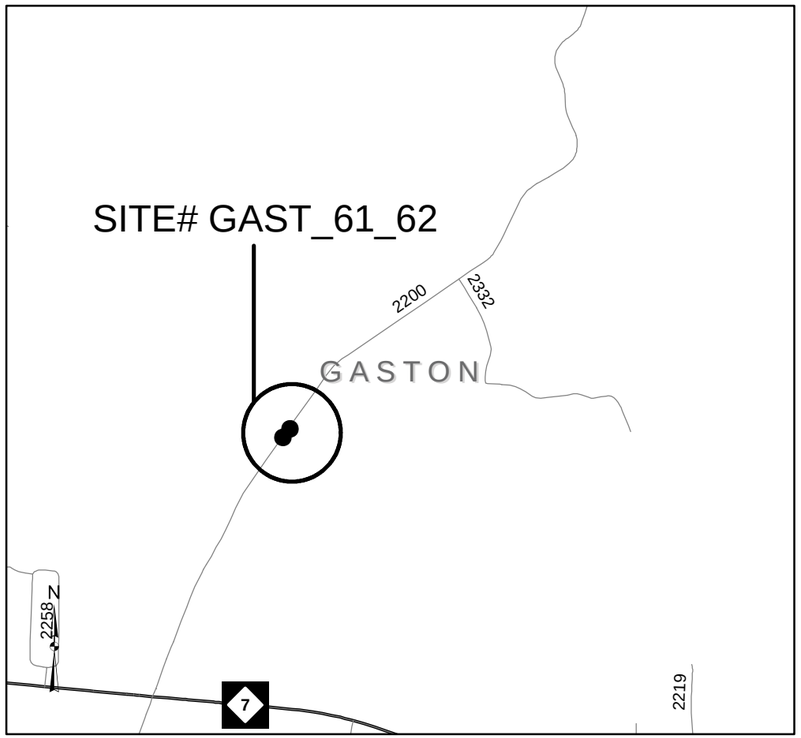

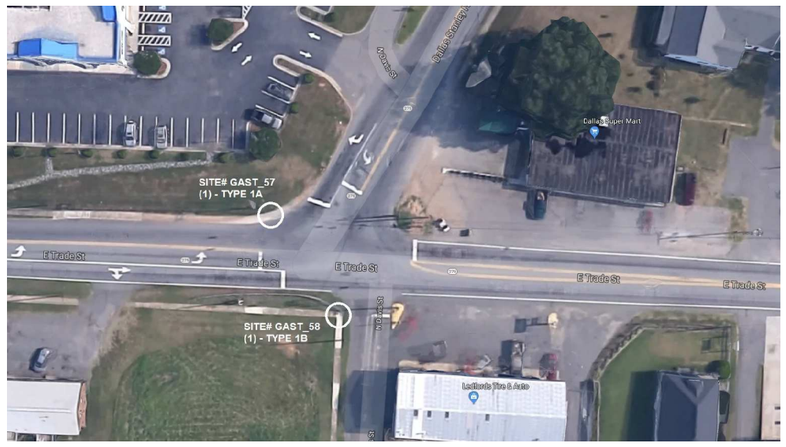

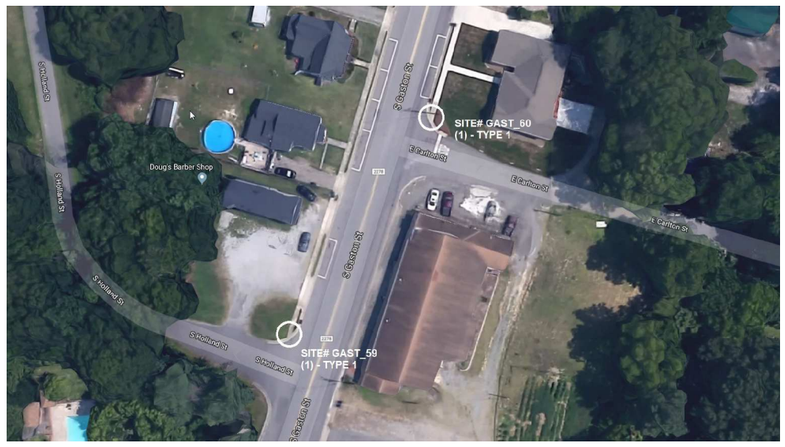

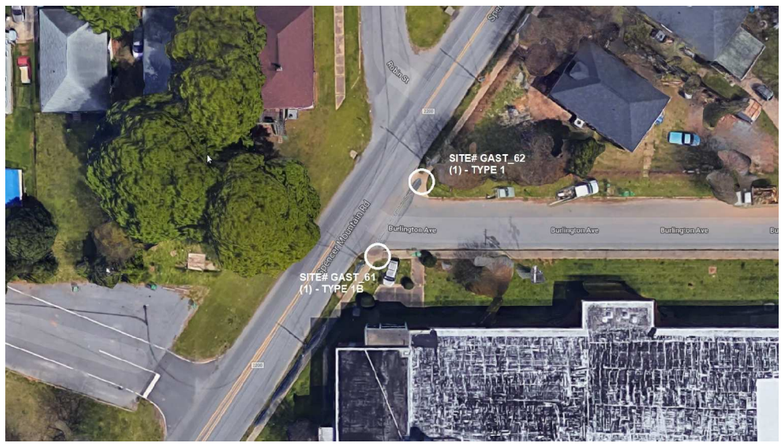

NC 275 @ NC 279

SR 2278 (GASTON ST.) @ CARLTON ST. AND HOLLAND ST.

SR 2200 (SPENCER MOUNTAIN RD.) @ BURLINGTON AVE.

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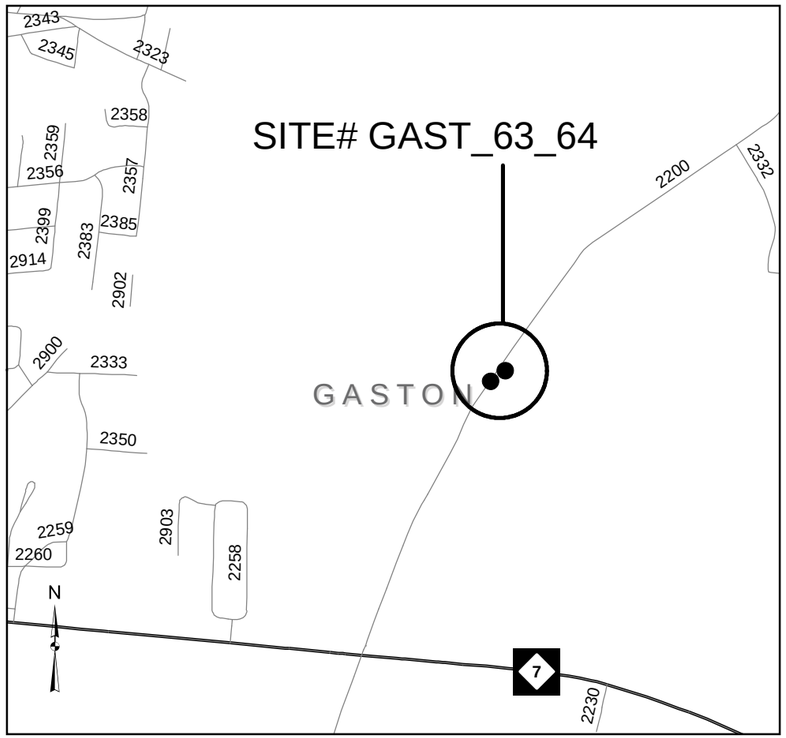
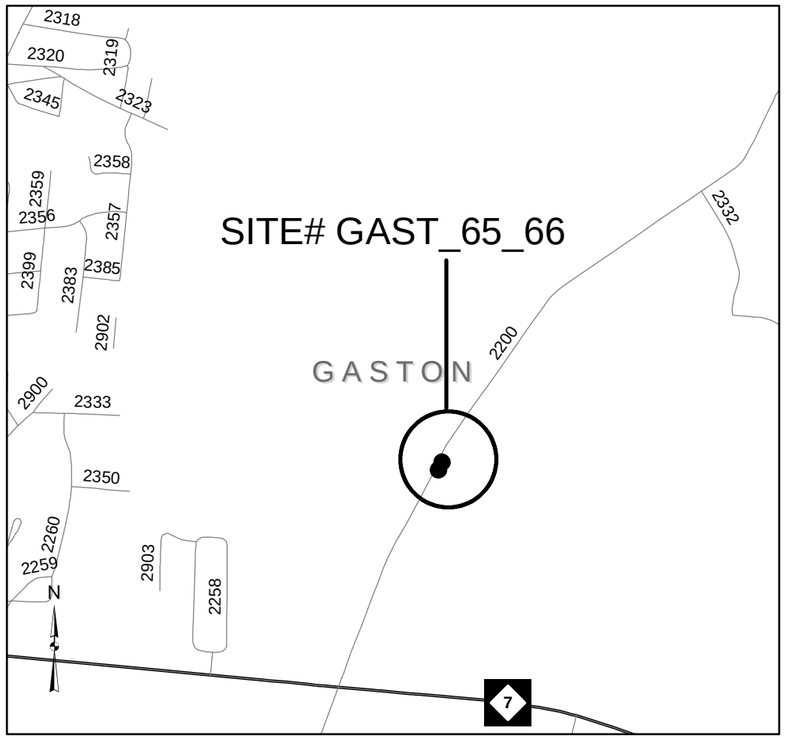
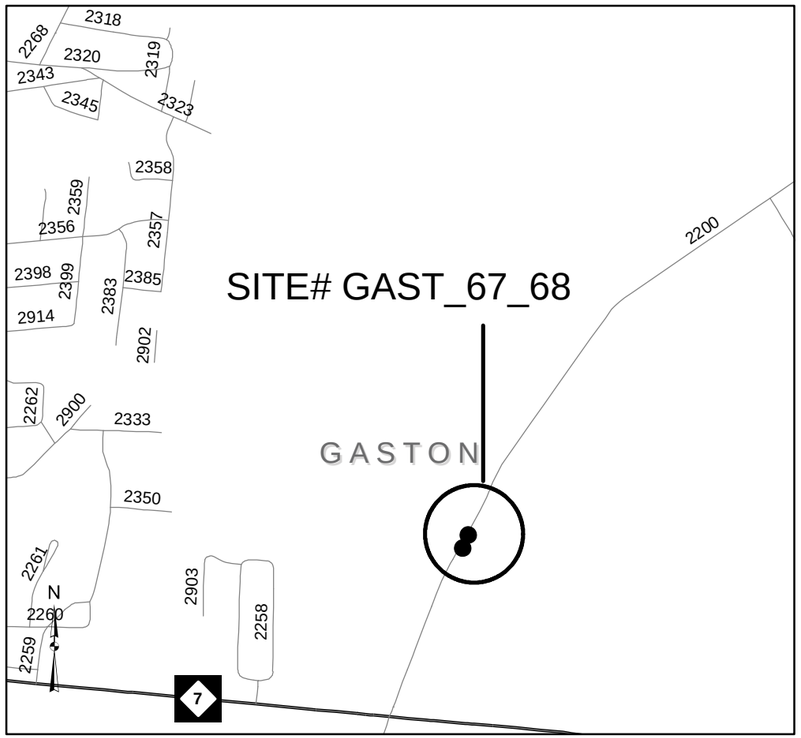
DEPARTMENT OF TRANSPORTATION







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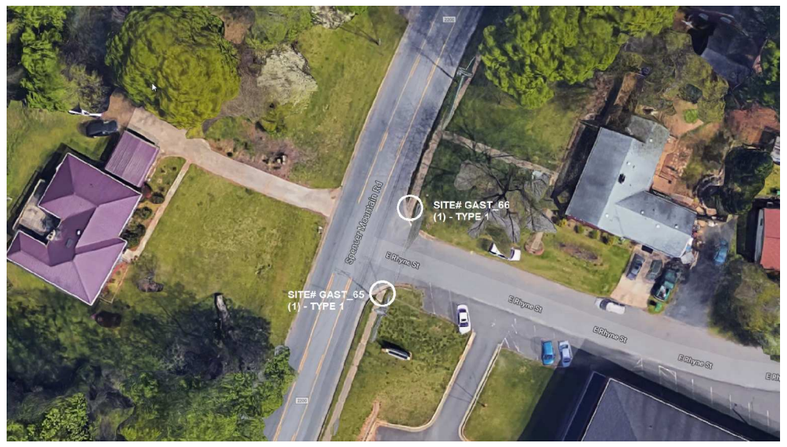
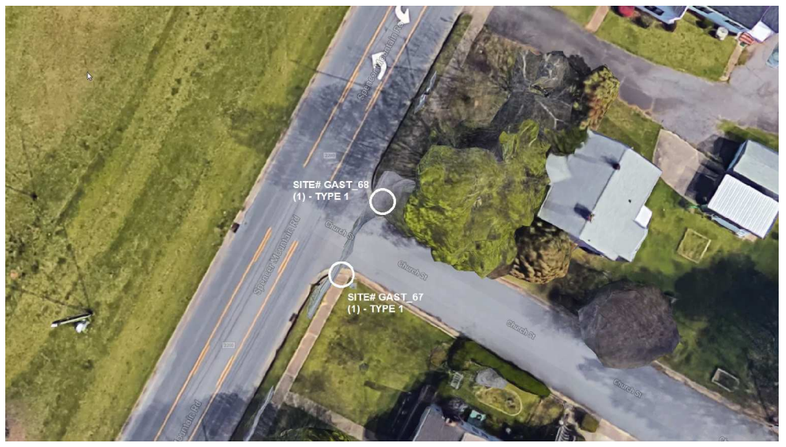
SR 2200 (SPENCER MOUNAIN RD.) @ RANLO AVE.



SR 2200 (SPENCER MOUNTAIN RD.) @ RHYNE ST.



SR 2200 (SPENCER MOUNTAIN RD.) @ CHURCH AVE.

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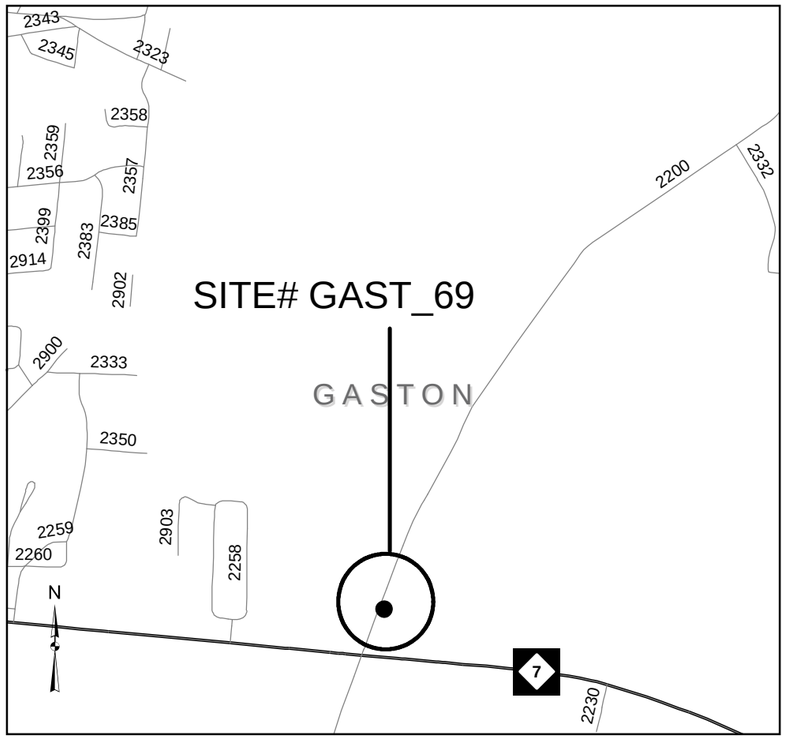
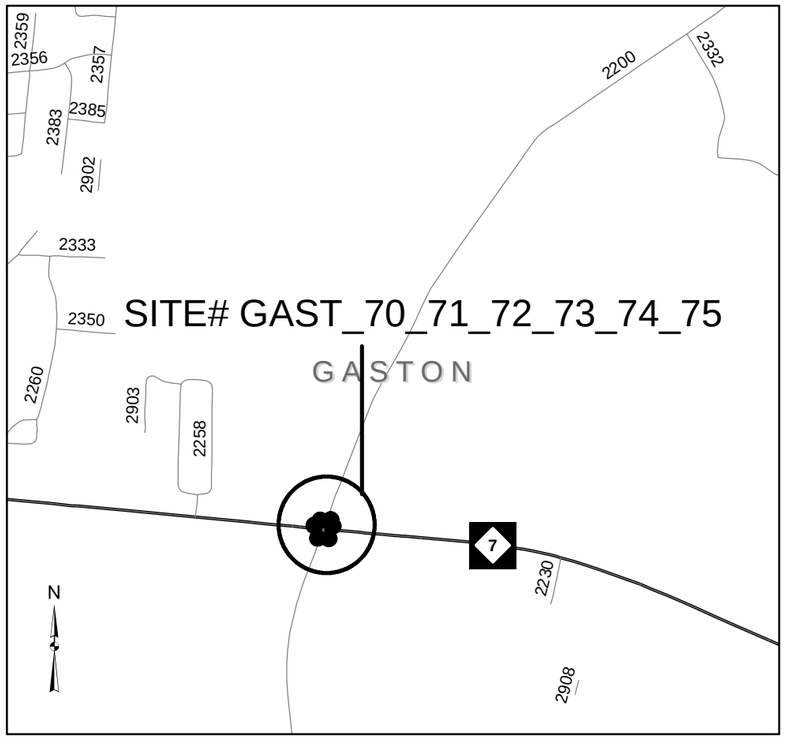
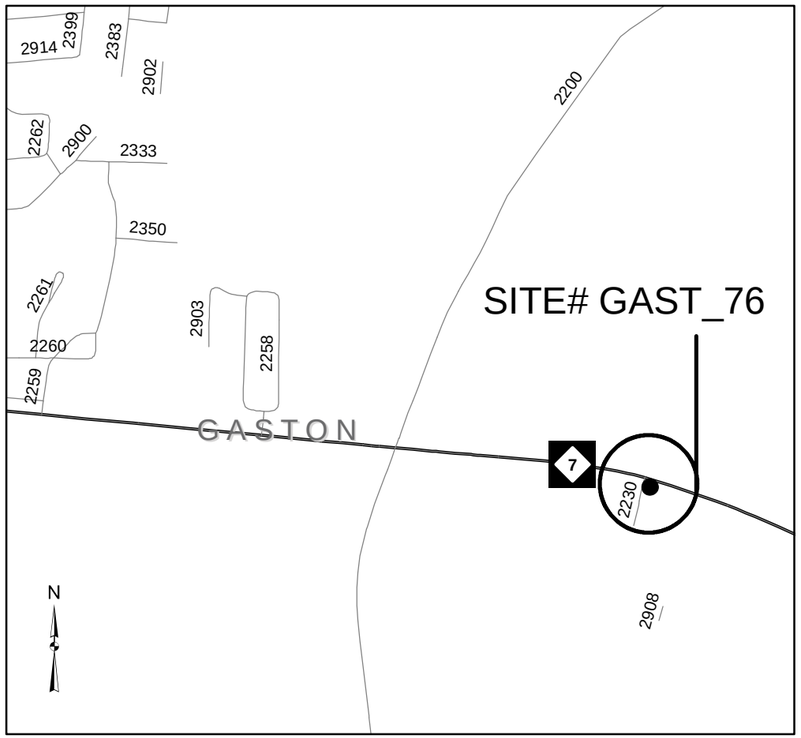
DEPARTMENT OF TRANSPORTATION







GASTON COUNTY
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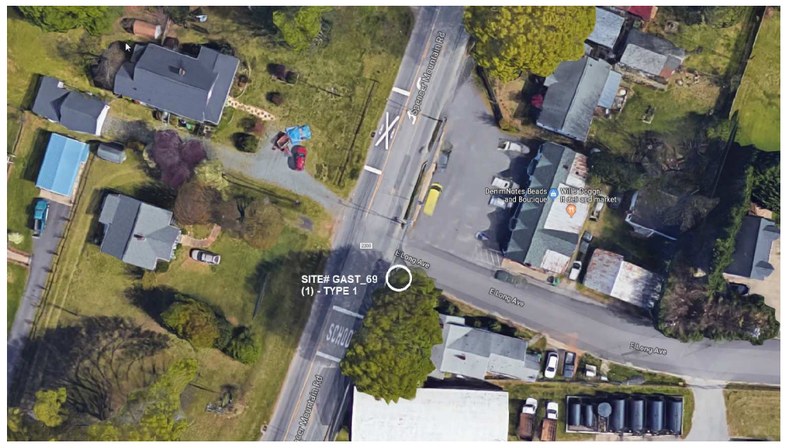
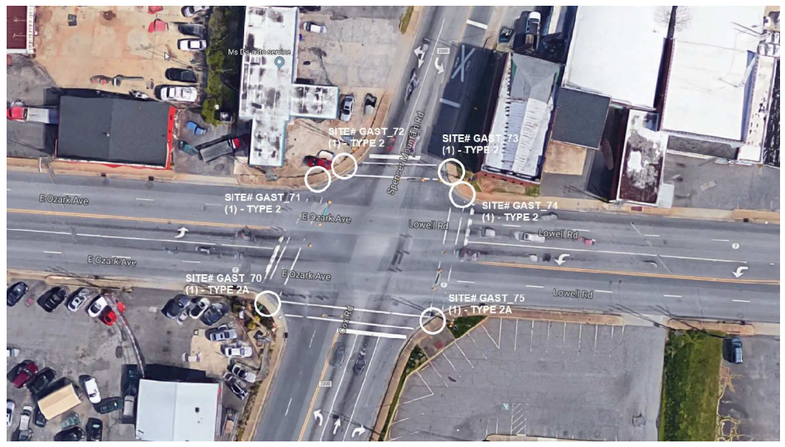
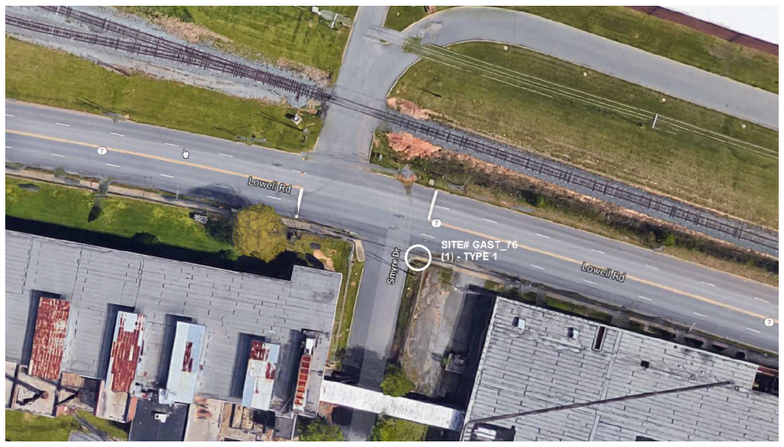


SR 2200 (SPENCER MOUNAIN RD.) @ E. LONG AVE.



NC 7 @ SR 2200 (COX RD.)



NC 7 @ SMYRE DR.

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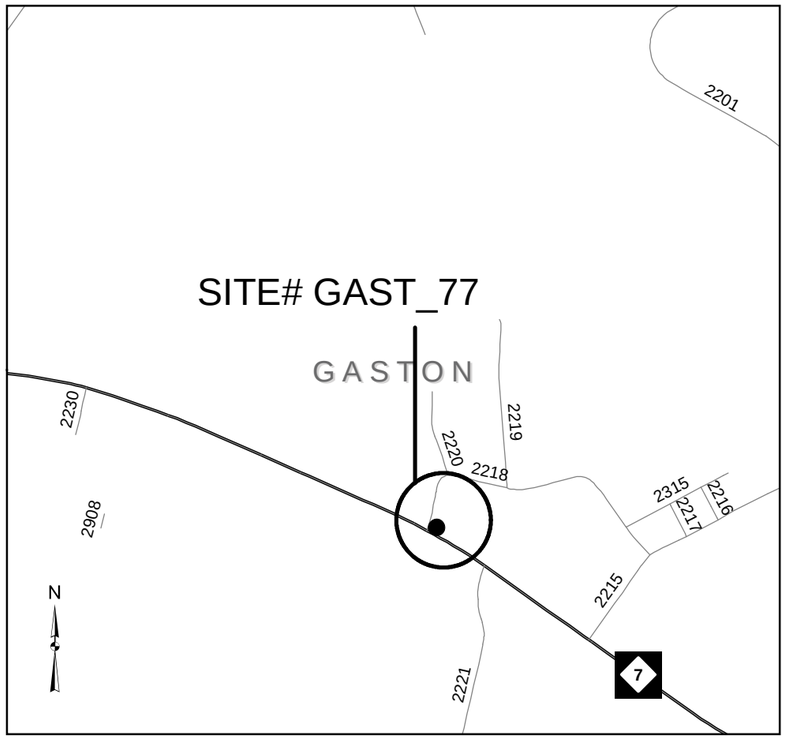
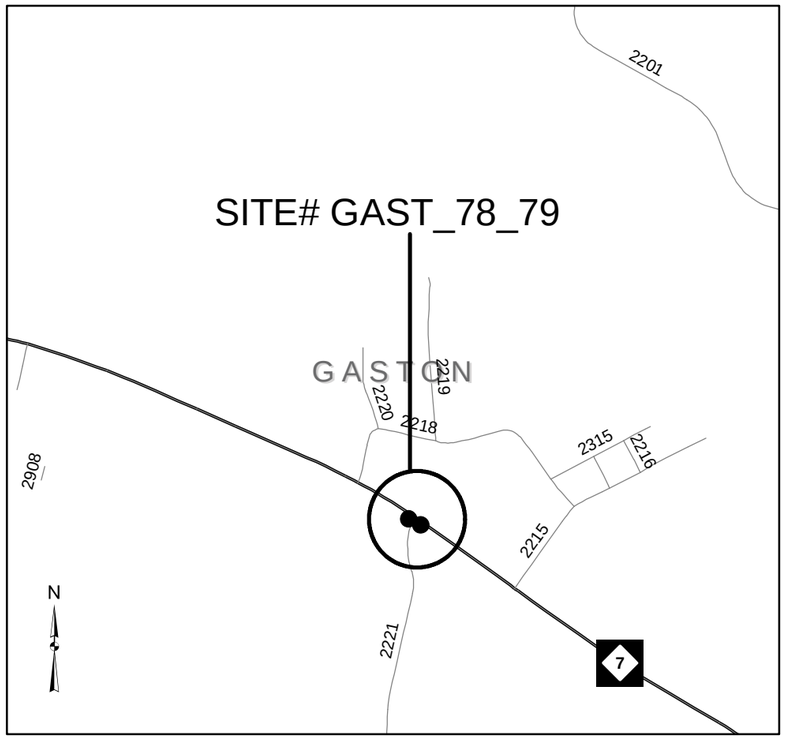
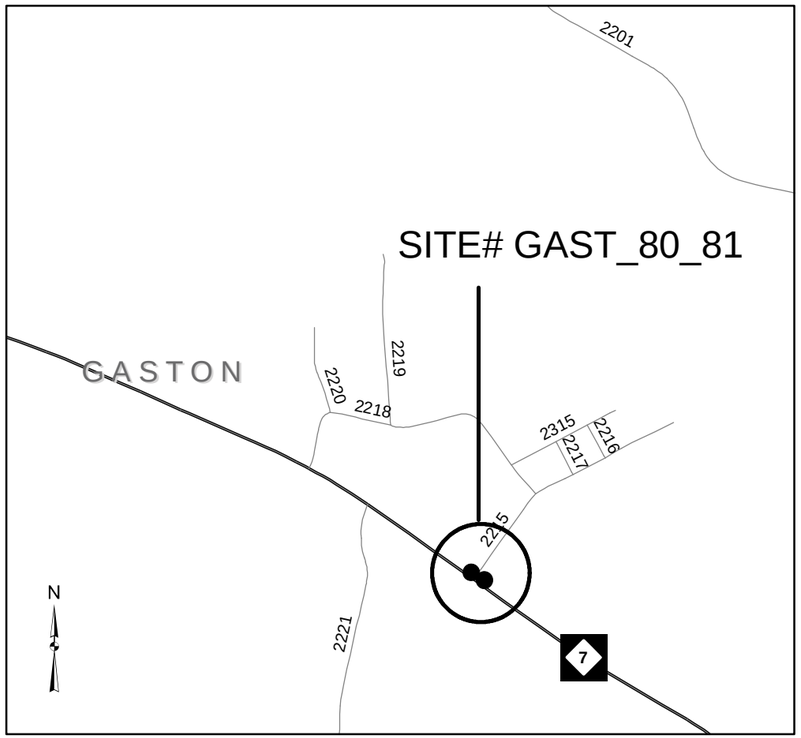
DEPARTMENT OF TRANSPORTATION







GASTON COUNTY
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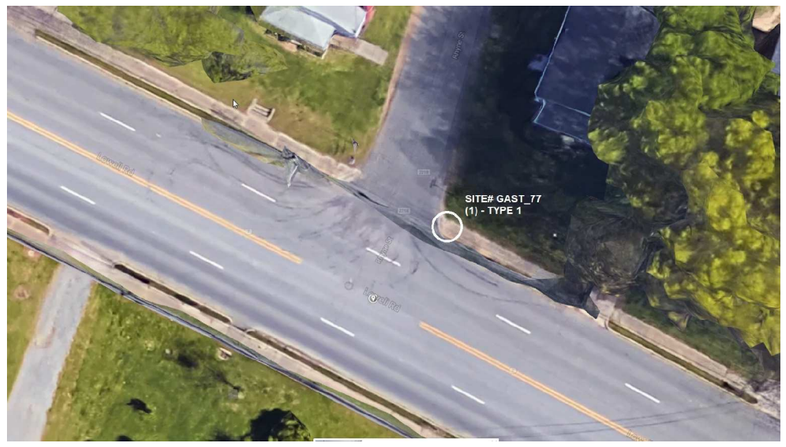
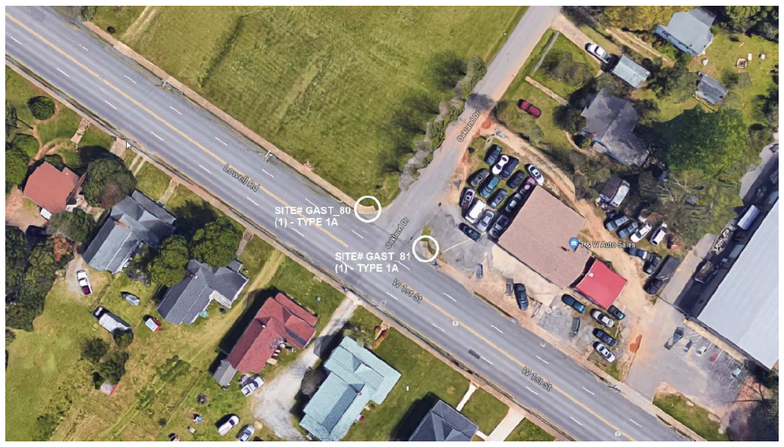


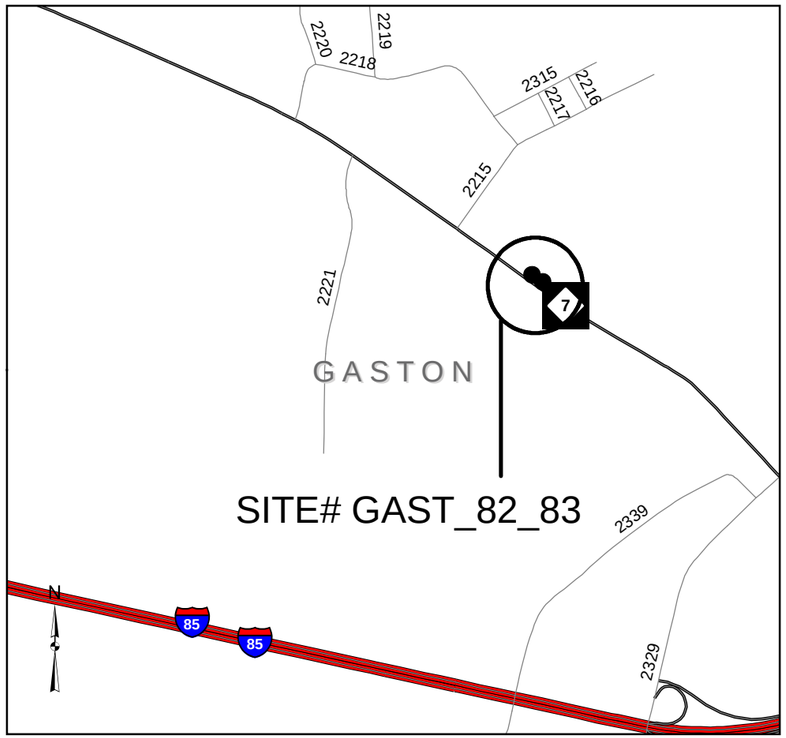
NC 7 @ RHYNE ST.

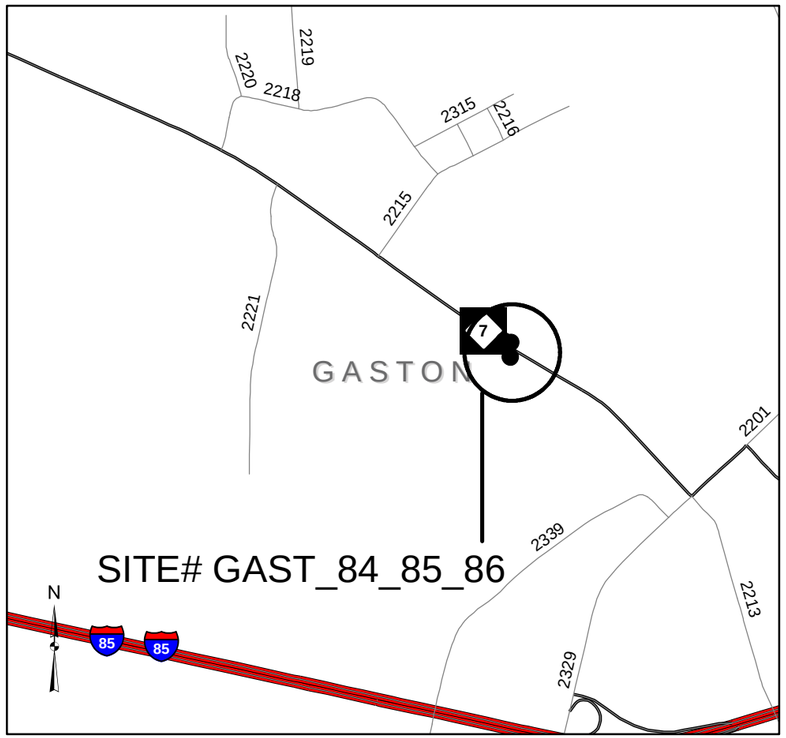
NC 7 @ SR 2221 (LINBERGER RD.)

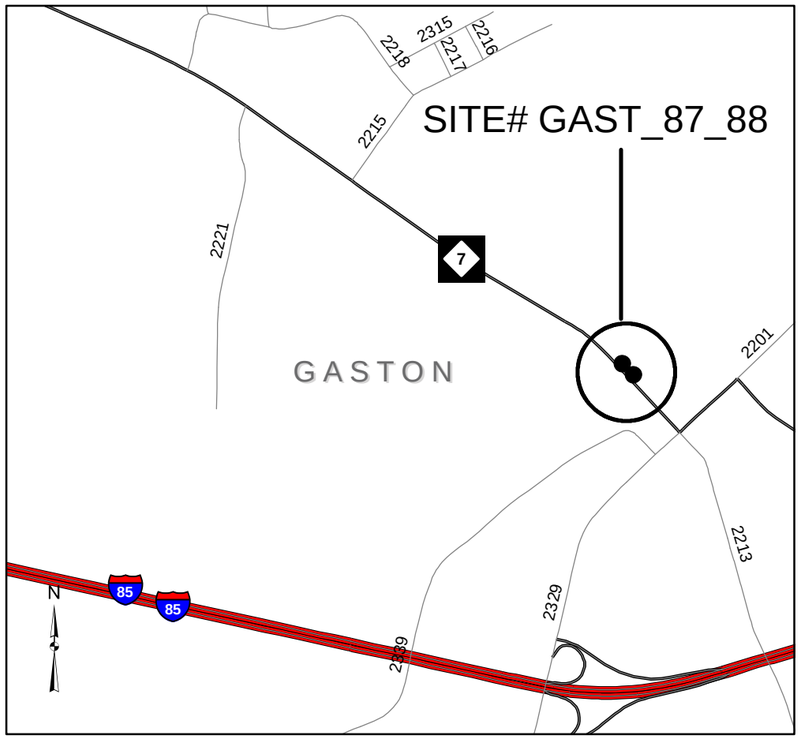


NC 7 @ SR 2215 (OAKLAND DR.)

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







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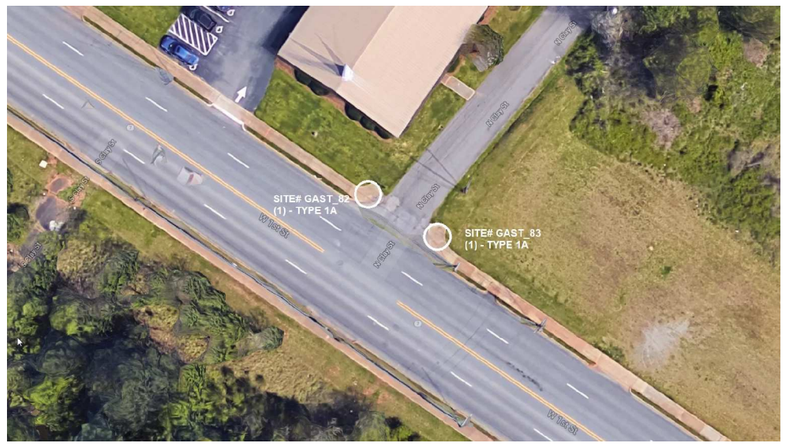
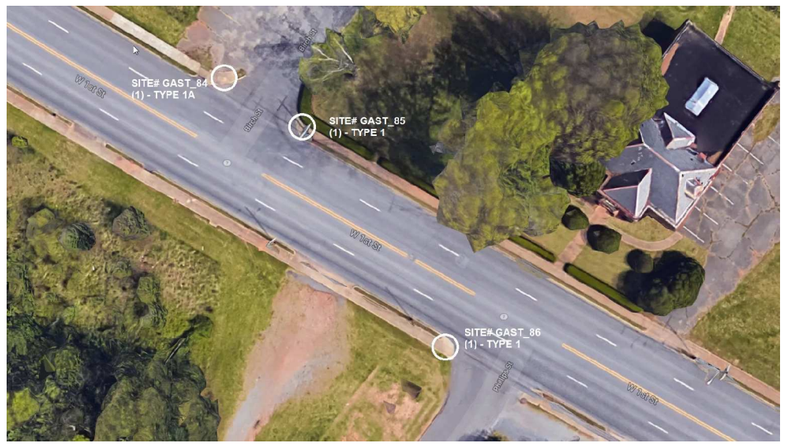
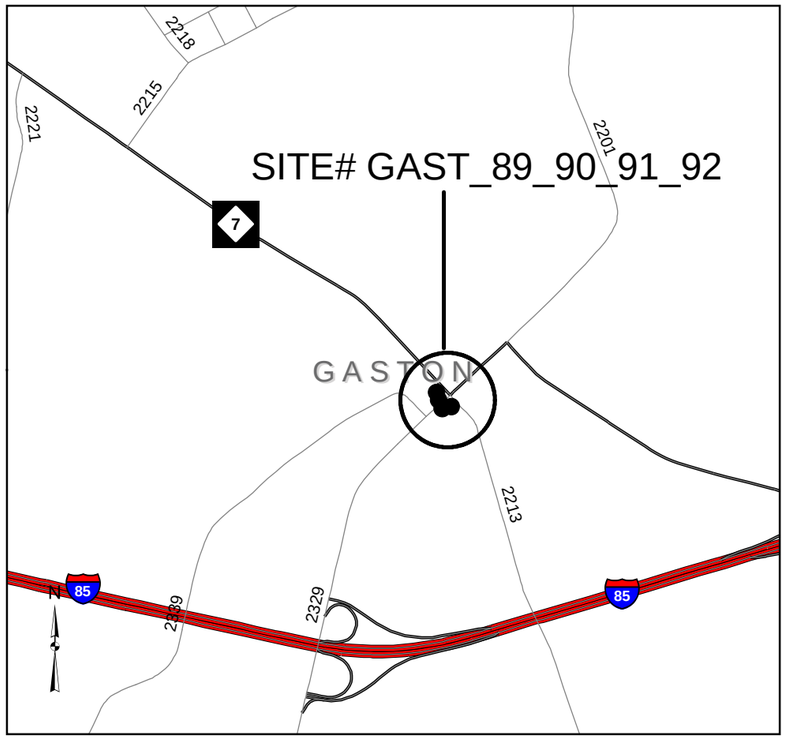


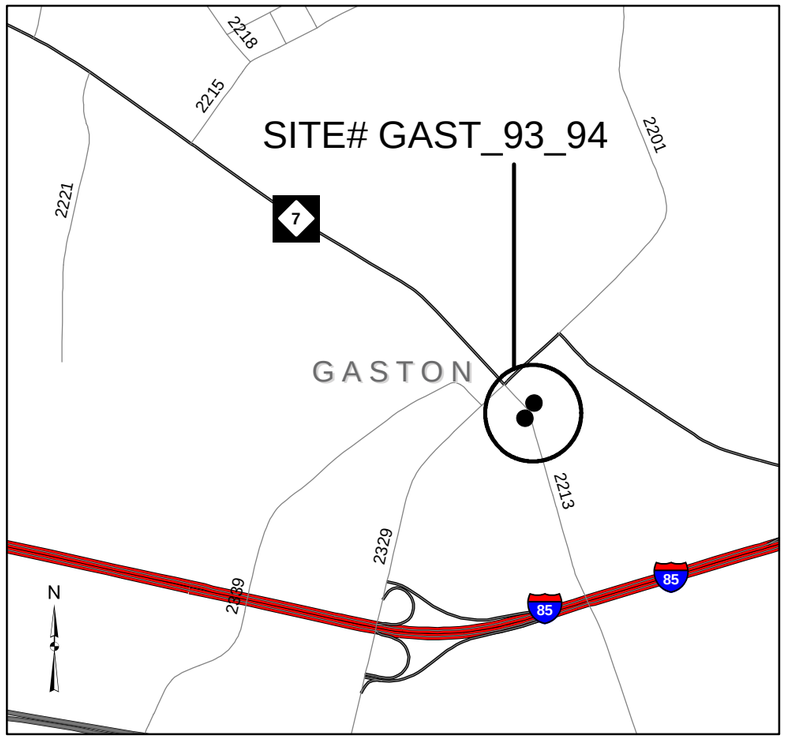
NC 7 @ N. CLAY ST.

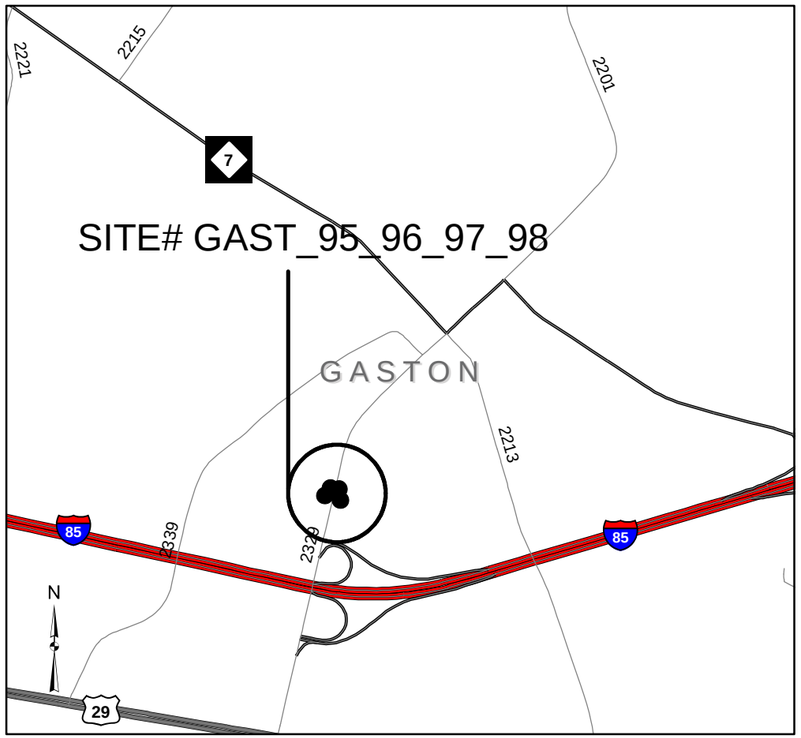


NC 7 @ BIRCH ST. AND PHILLIPS ST.

NC 7 @ HEMLOCK AVE.







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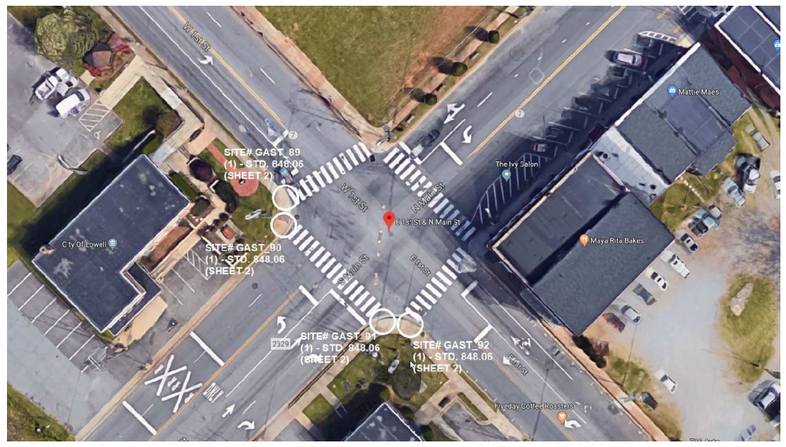

NC 7 @ SR 2213 (E. FIRST ST.)

SR 2213 (E. FIRST ST.) @ MILL ST. AND GROVES ST.

SR 2329 (S. MAIN ST.) @ REID ST.

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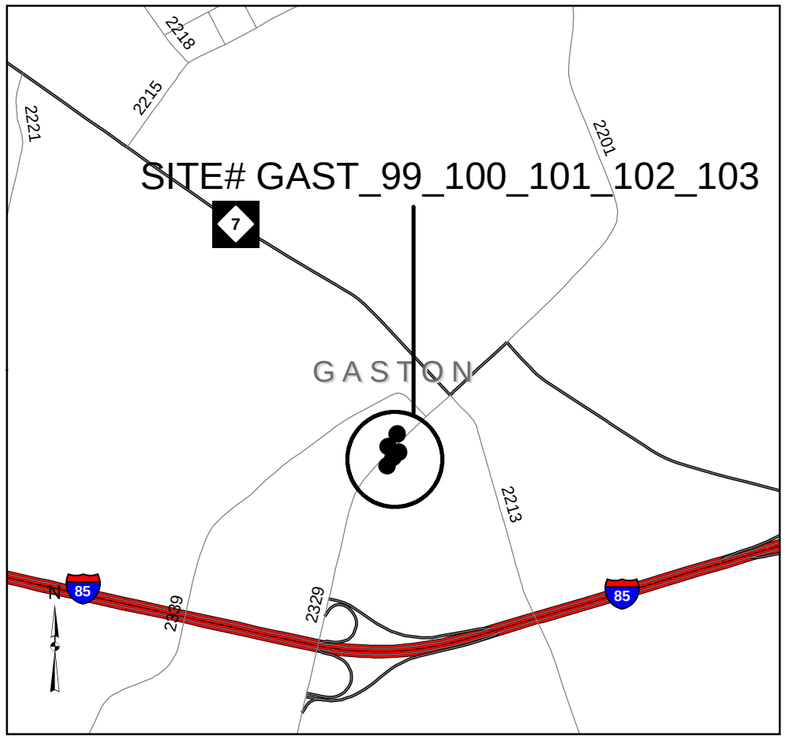
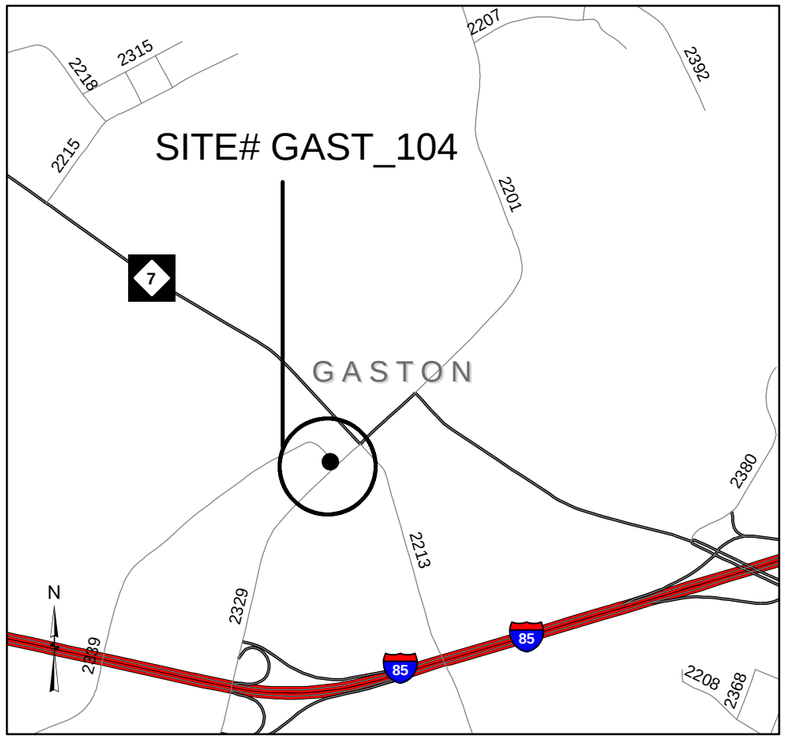
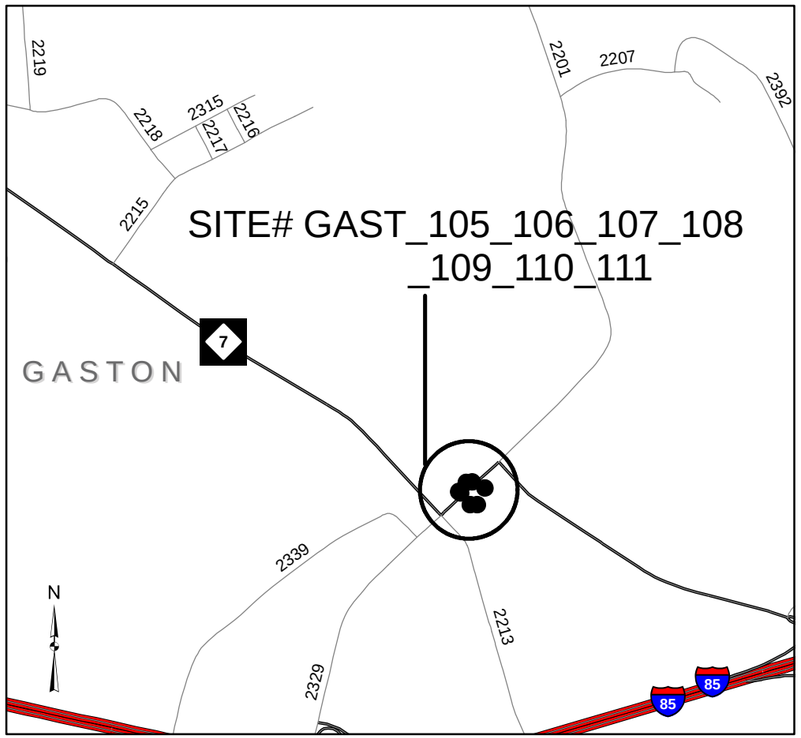
DEPARTMENT OF TRANSPORTATION







GASTON COUNTY
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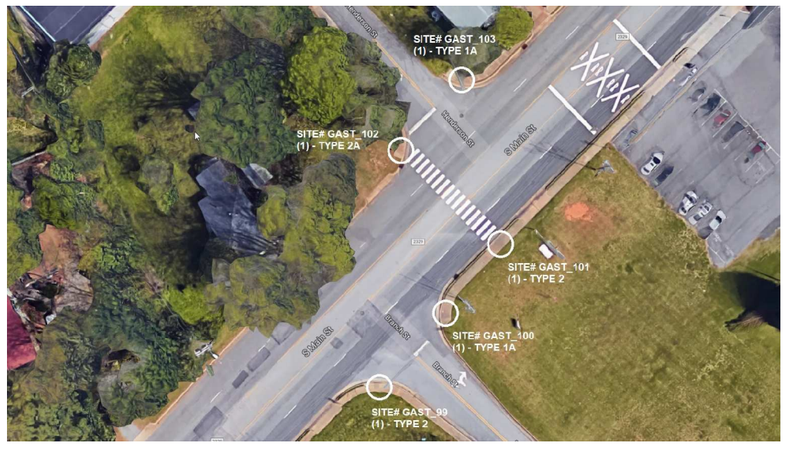
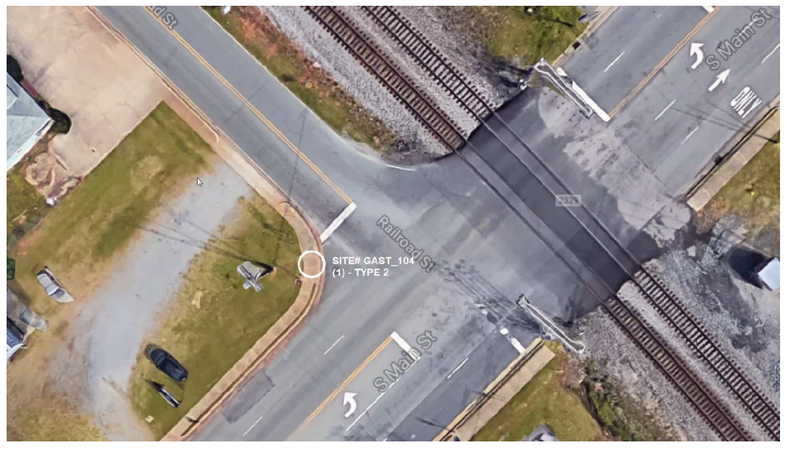
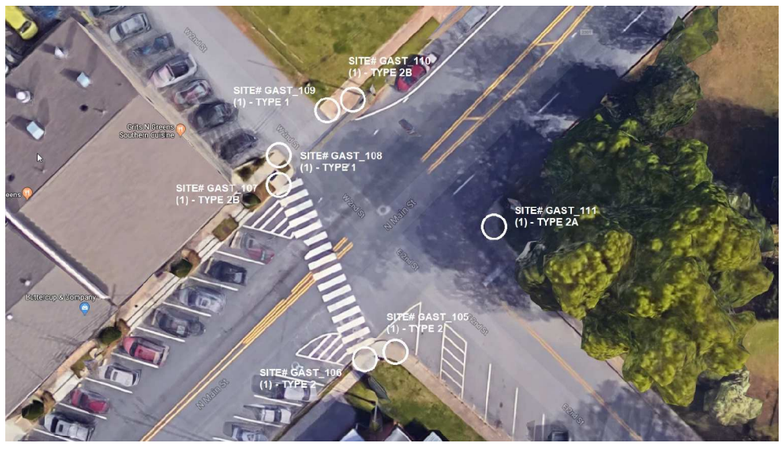


SR 2329 (S. MAIN ST.) @ BRANCH ST. AND HENDERSON ST.



SR 2329 (S. MAIN ST.) @ SR 2339 (RAILROAD ST.)



NC 7 @ SECOND ST.

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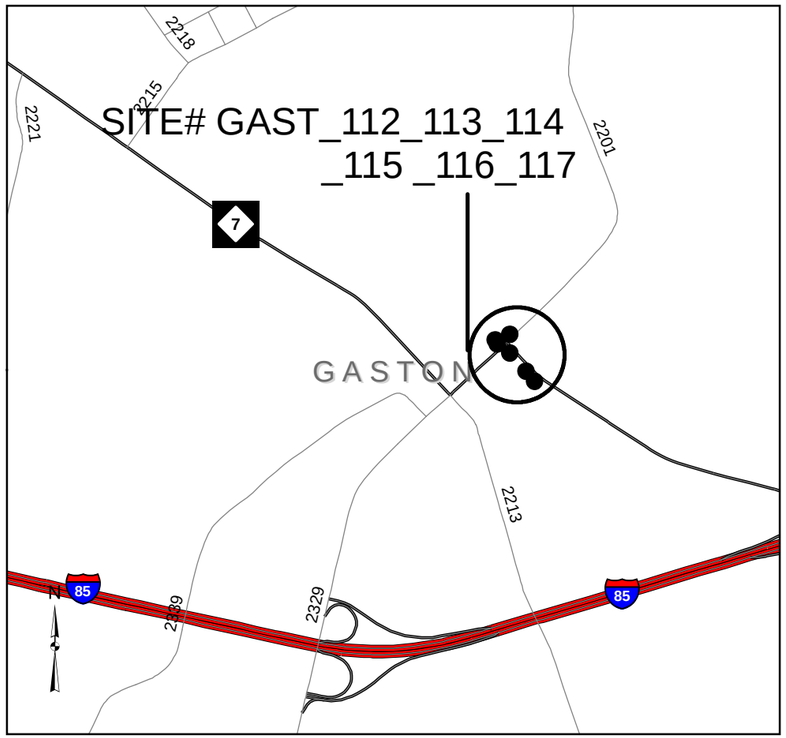
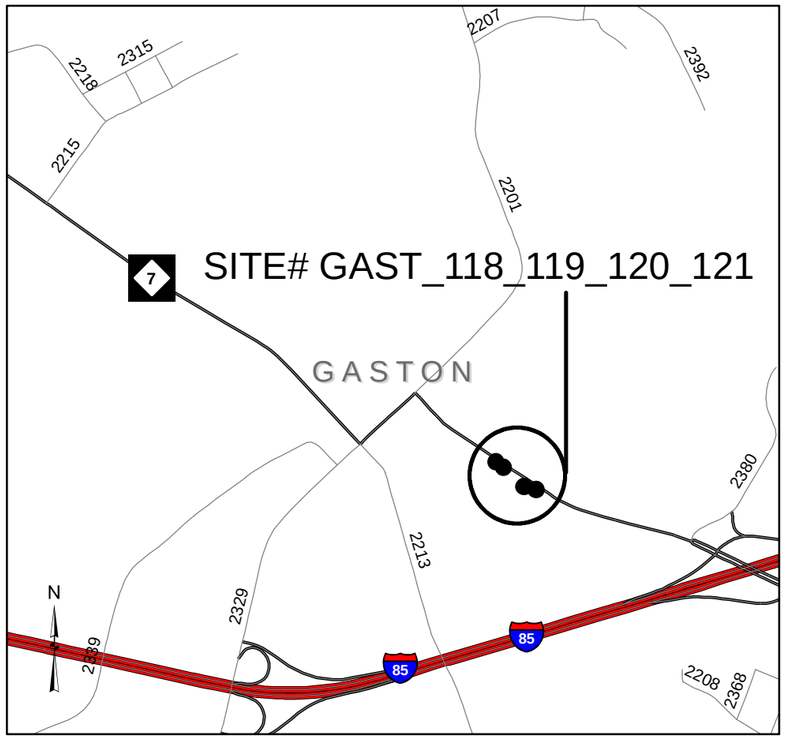
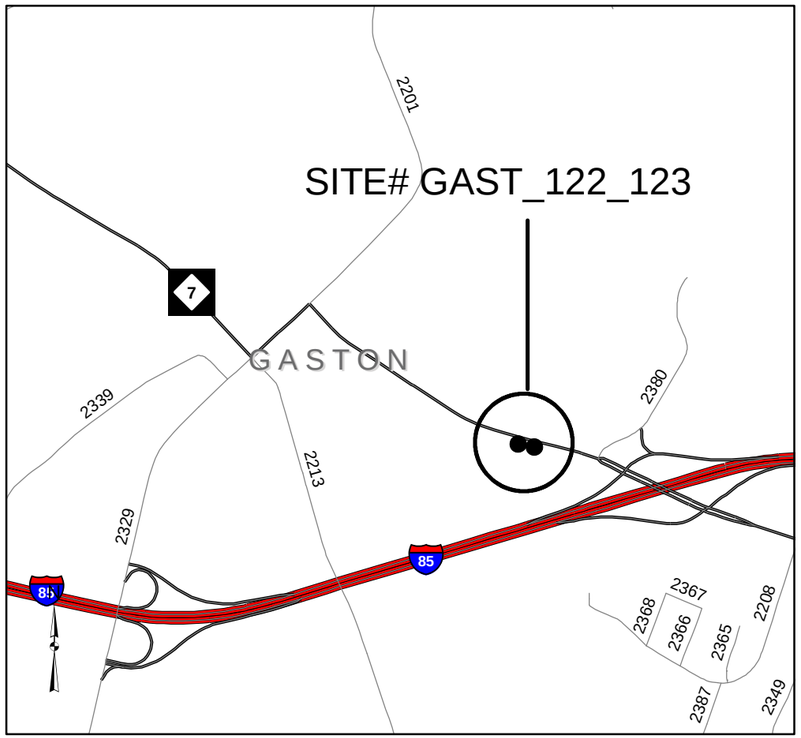
DEPARTMENT OF TRANSPORTATION







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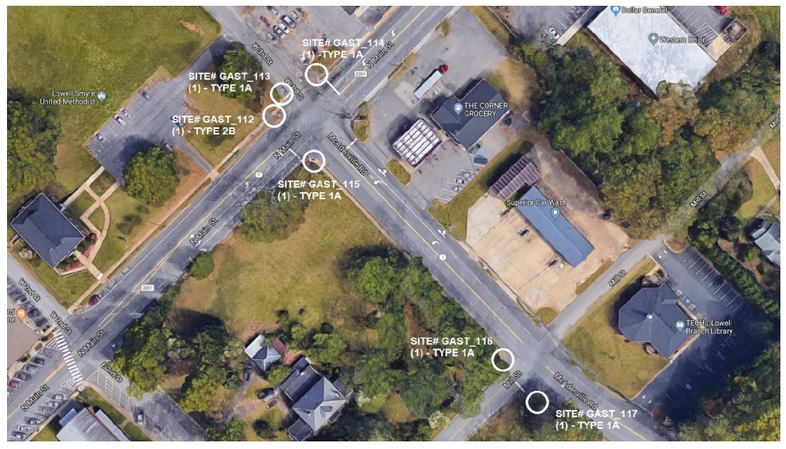
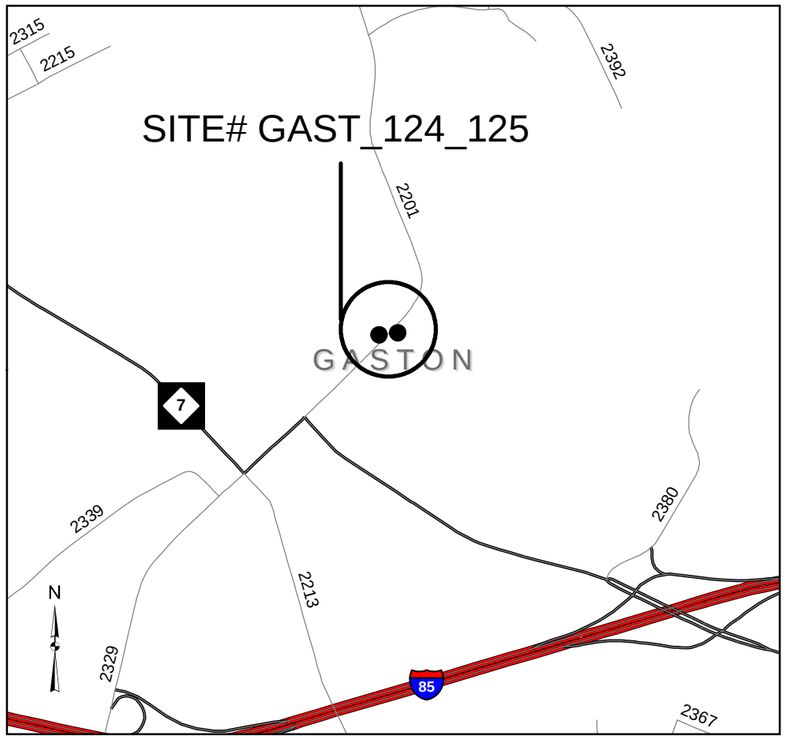
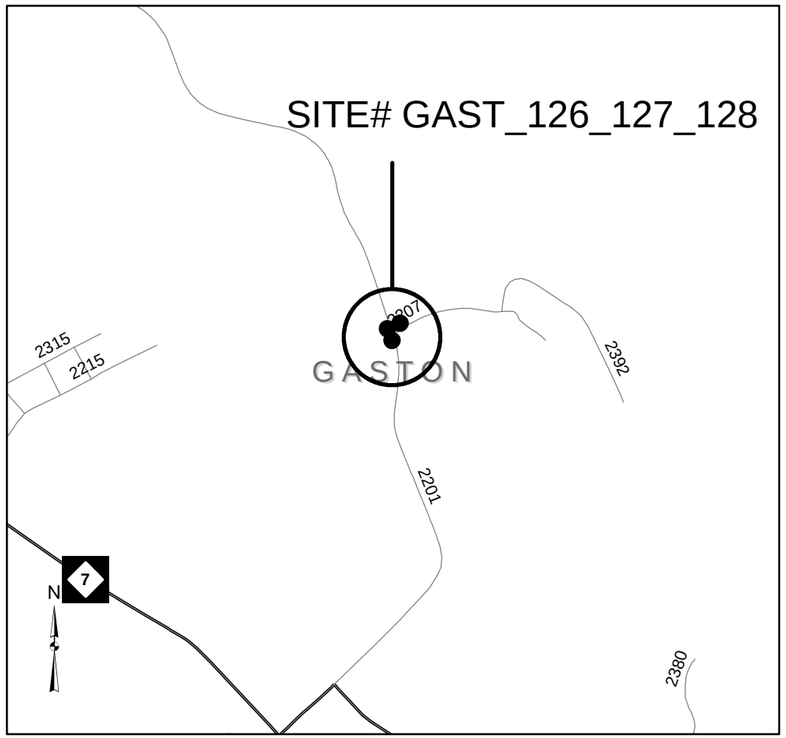


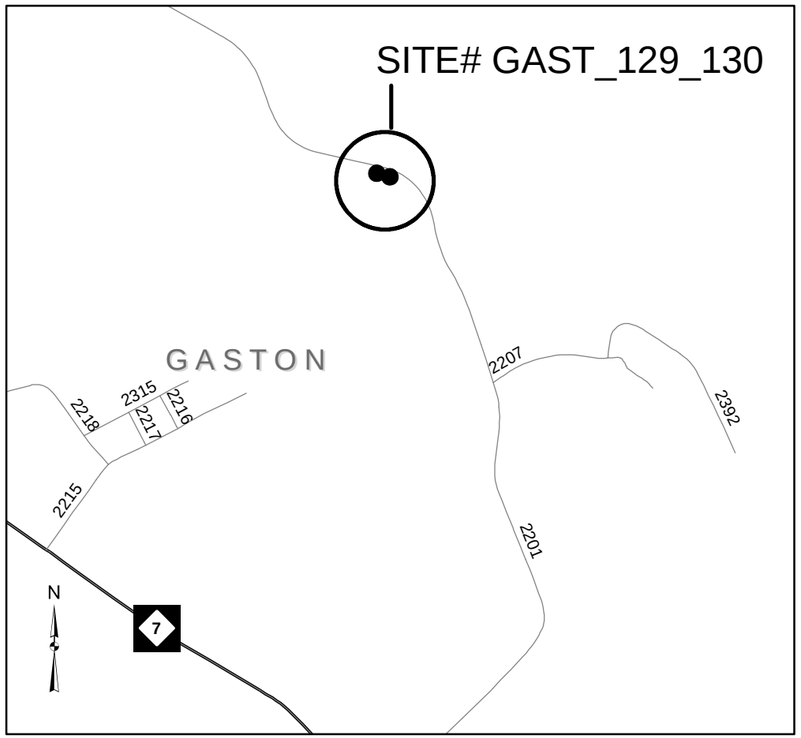
NC 7 @ SR 2201 (N. MAIN ST.) AND MILL ST.

NC 7 @ BRIDGE ST. AND N.OAK ST.

NC 7 @ TENNANT ST.







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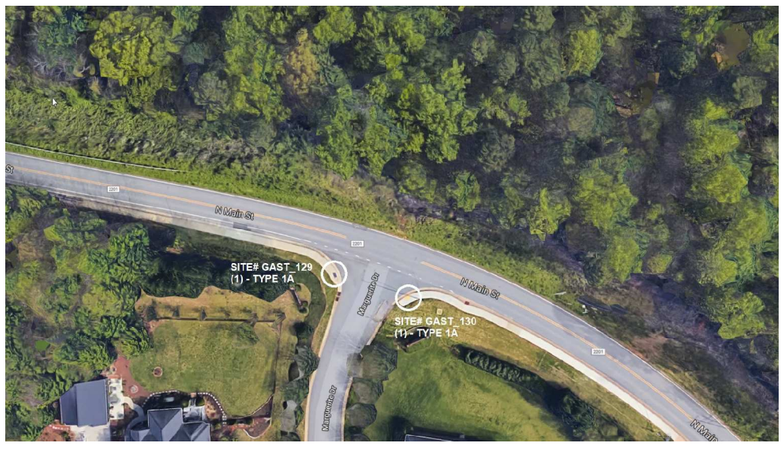
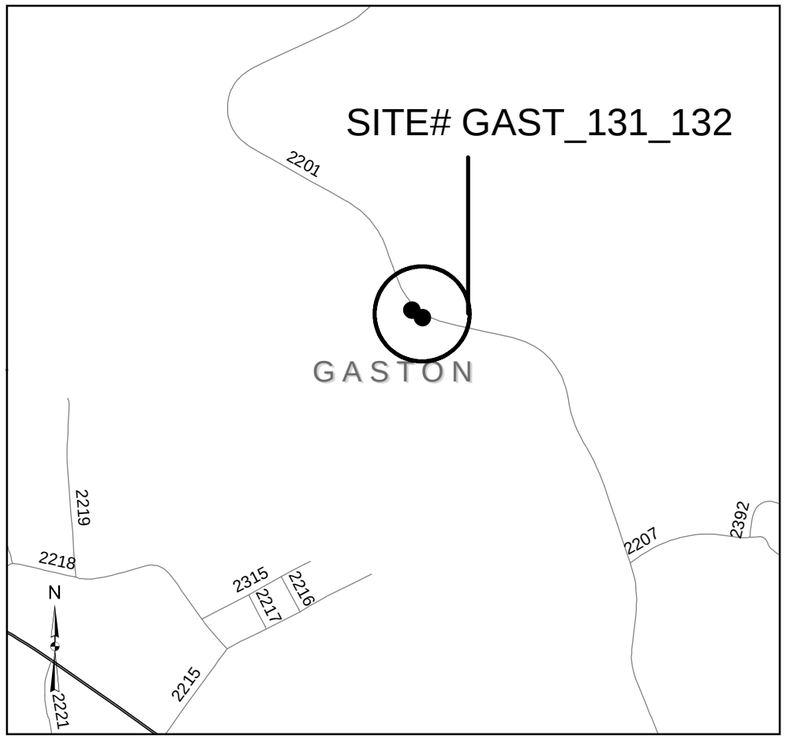
SR 2201 (N. MAIN ST.) @ PARK CR.

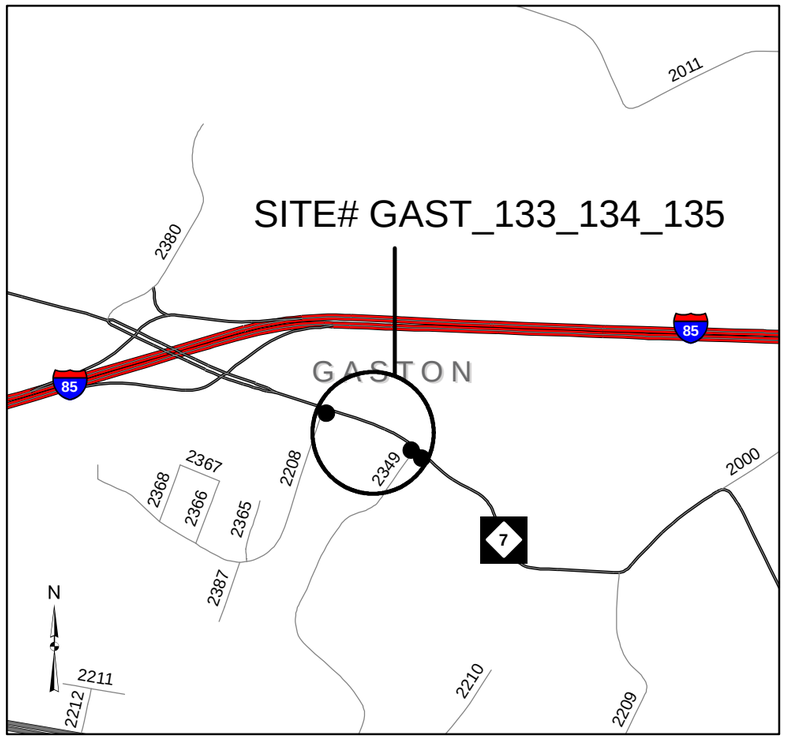
SR 2201 (N. MAIN ST.) @ SR 2207 (LINEBERGER ST.)

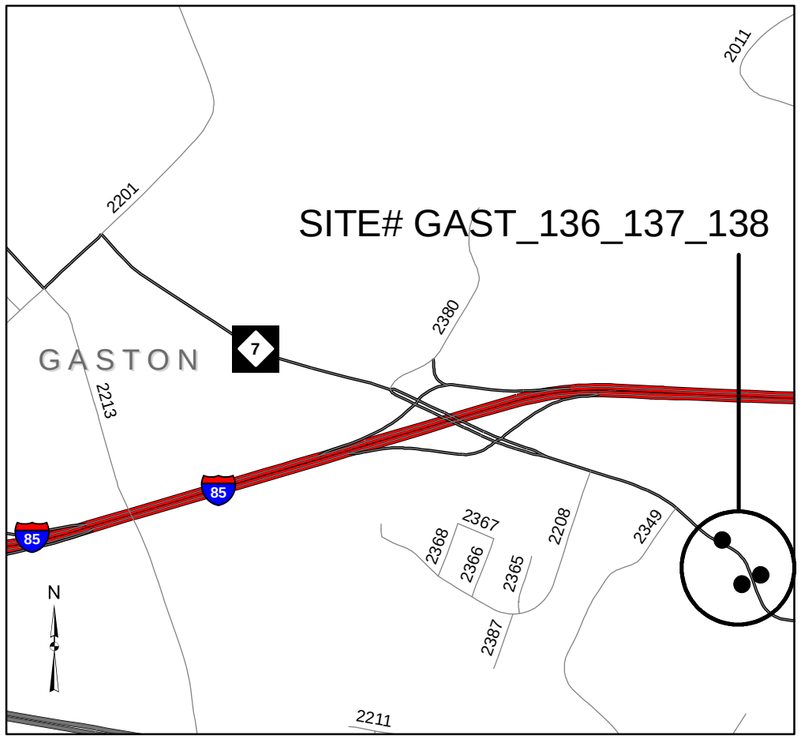


NC 7 @ MARGUERITE DR.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







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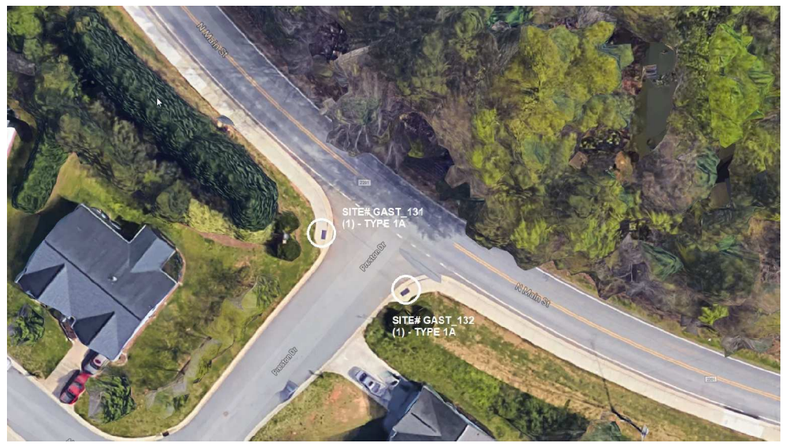
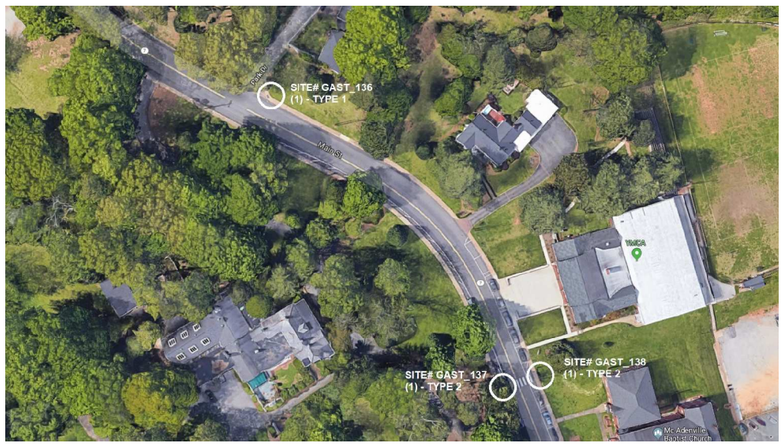


SR 2201 (N. MAIN ST.) @ PRESTON DR.

NC 7 @ SR 2208 (FORD DR.) AND SR 2349 (MOCKINGBIRD LN.)



SR 2201 (N. MAIN ST.) @ PARK DR. AND CROSSWALK

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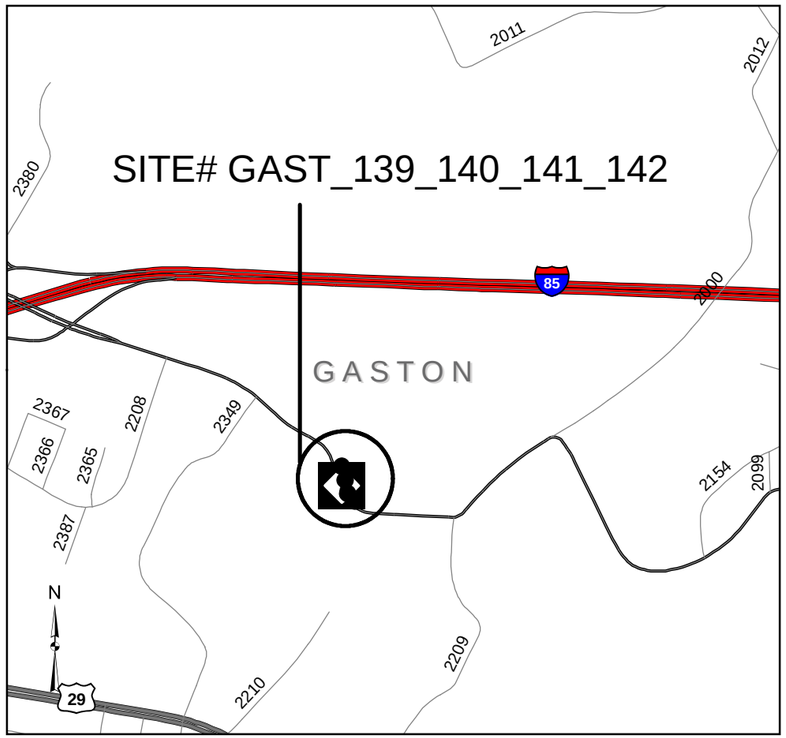
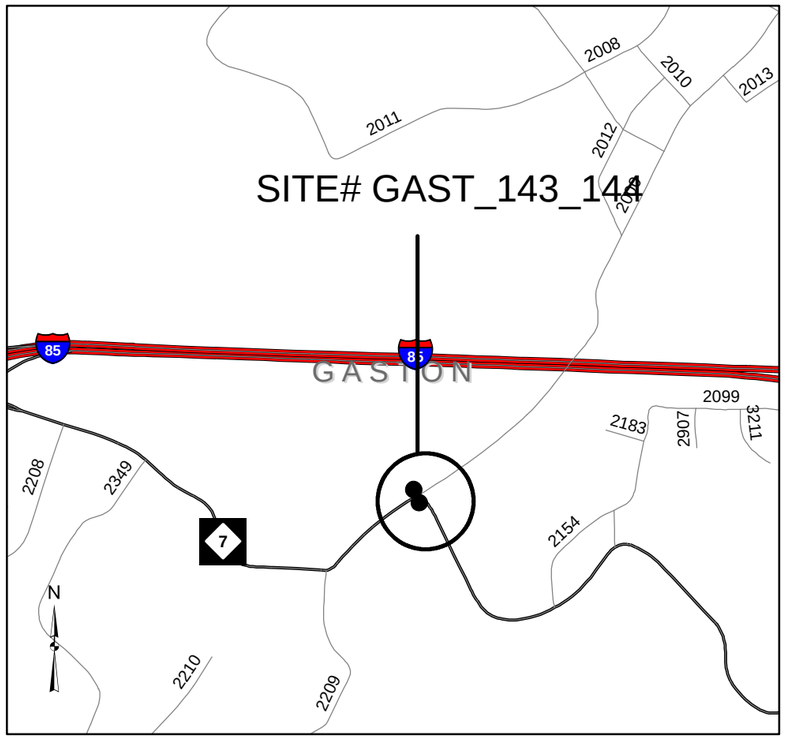
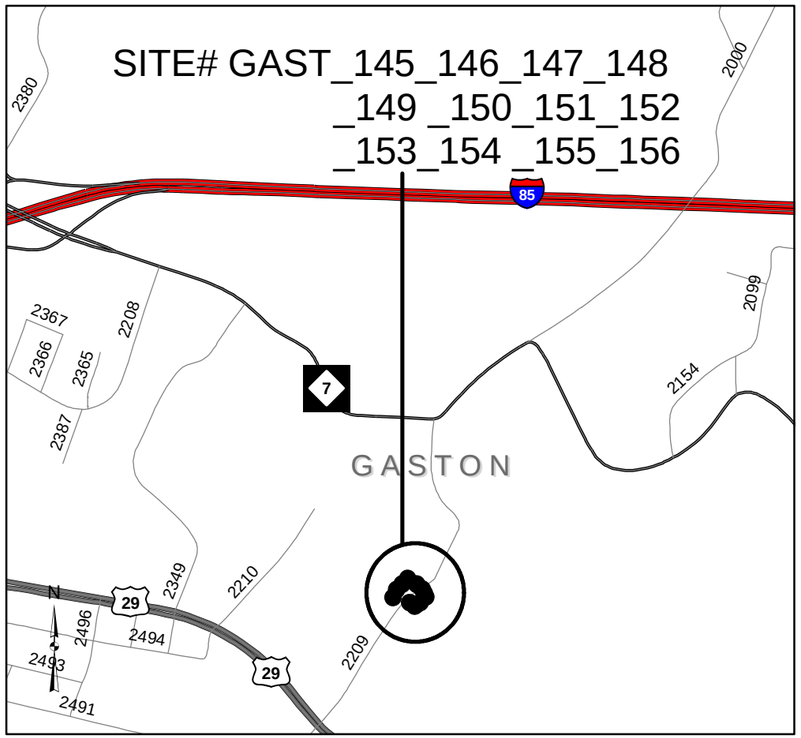
DEPARTMENT OF TRANSPORTATION







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NC 7 @ ELM ST.

NC 7 @ SR 2000 (HICKORY GROVE RD.)

SR 2209 (WESLEYAN DR.) @ CHURCH ST AND ACADEMY ST.

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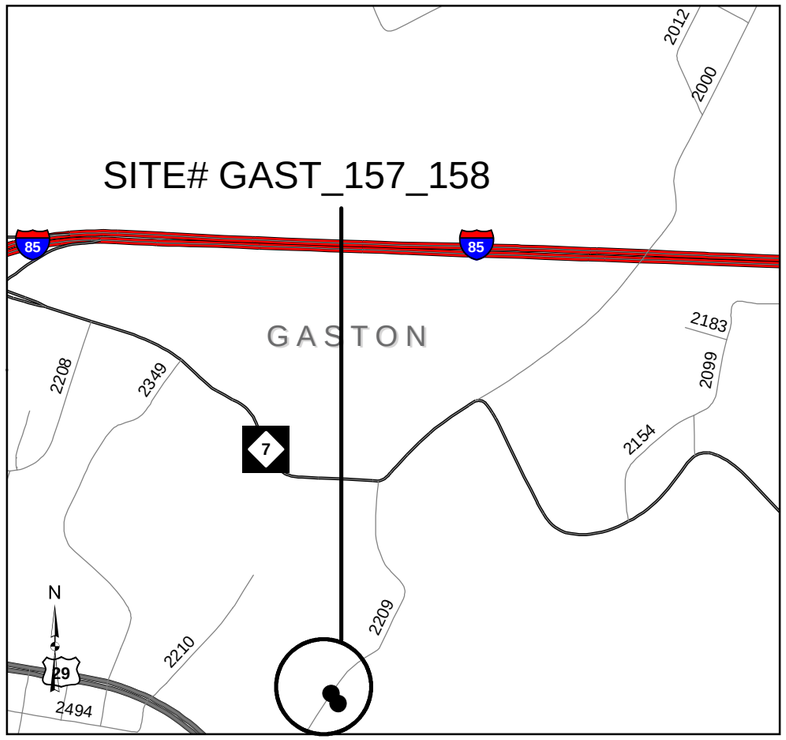
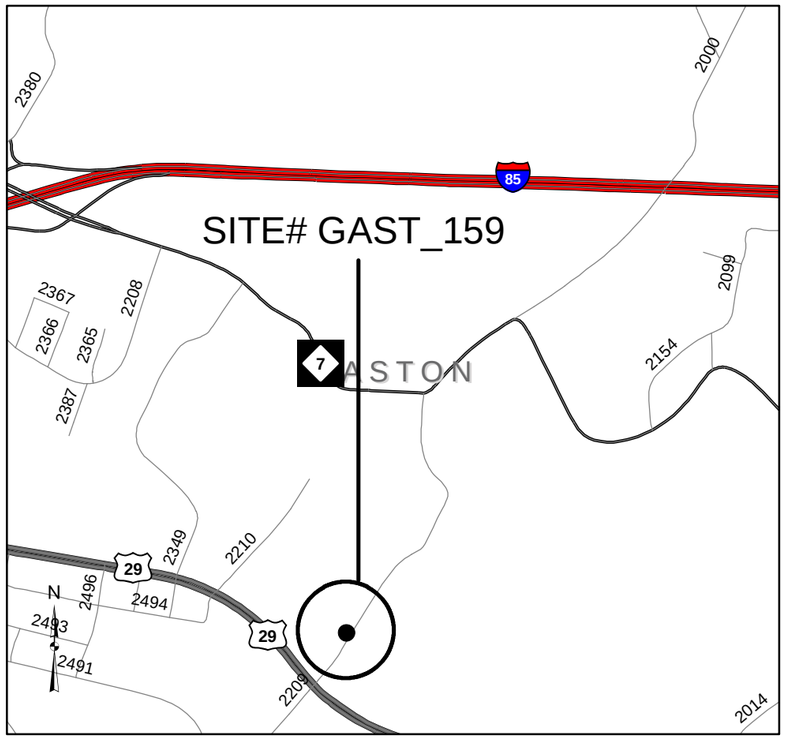
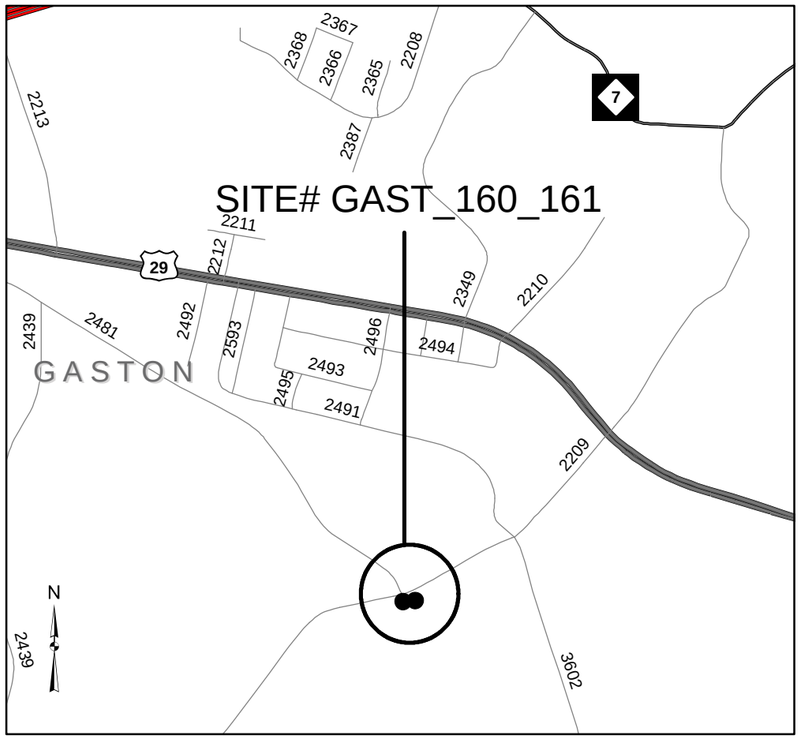
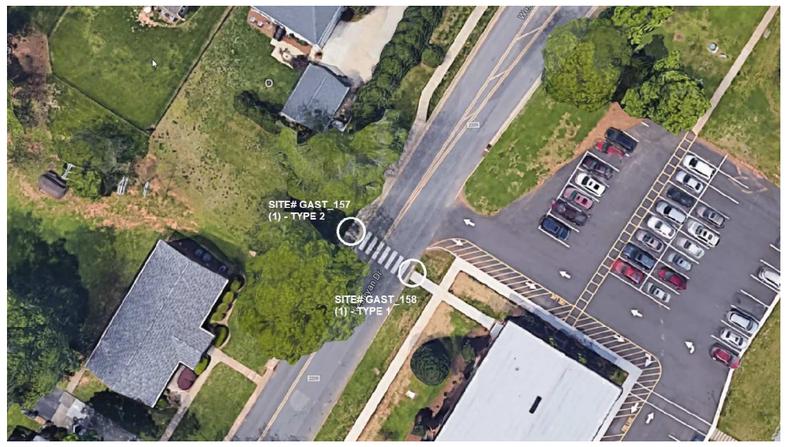
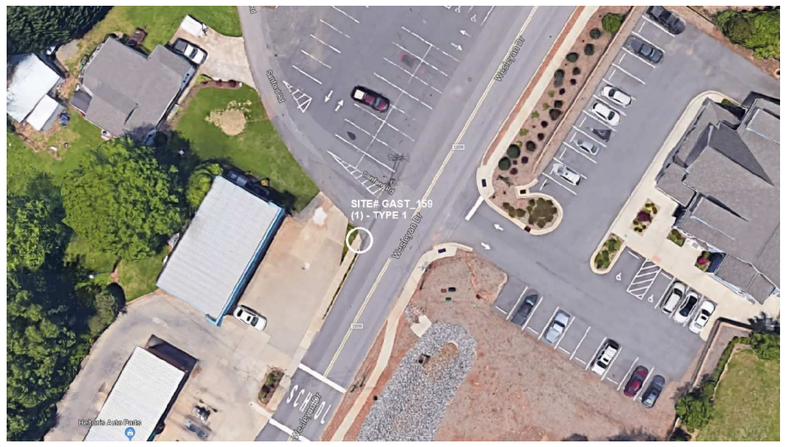








SR 2209 (WESLEYAN DR.) @ CROSSWALK



SR 2209 (WESLEYAN DR.) @ SANFORD RD.

SR 2209 (CRAMERTON RD.) @ SR 2418 (GASTON RD.)

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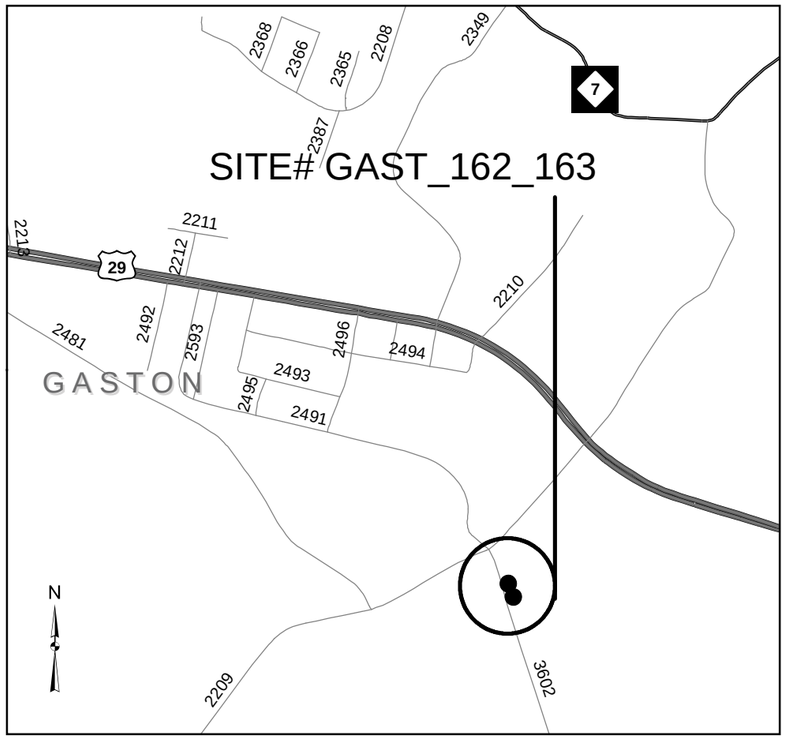
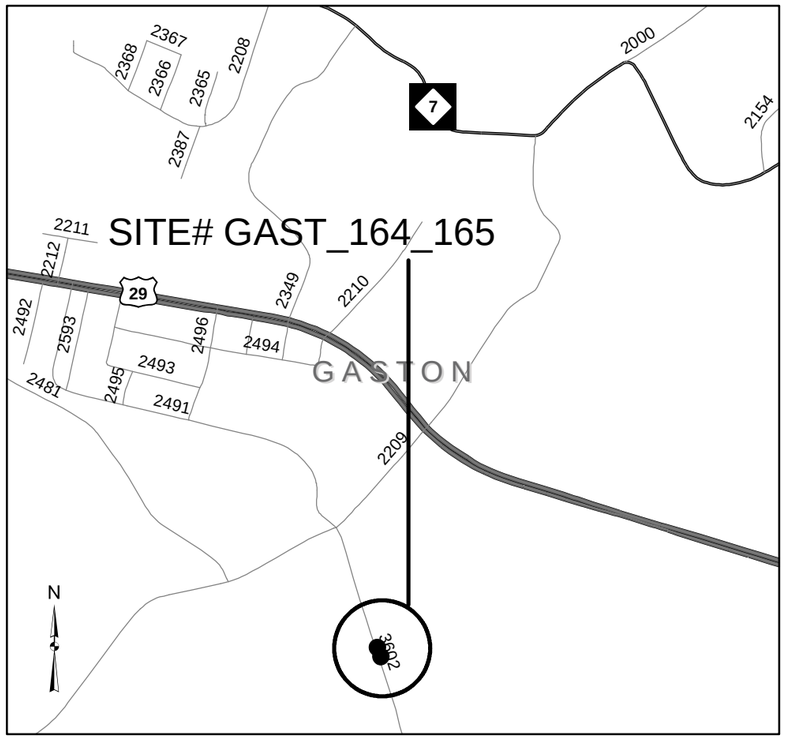
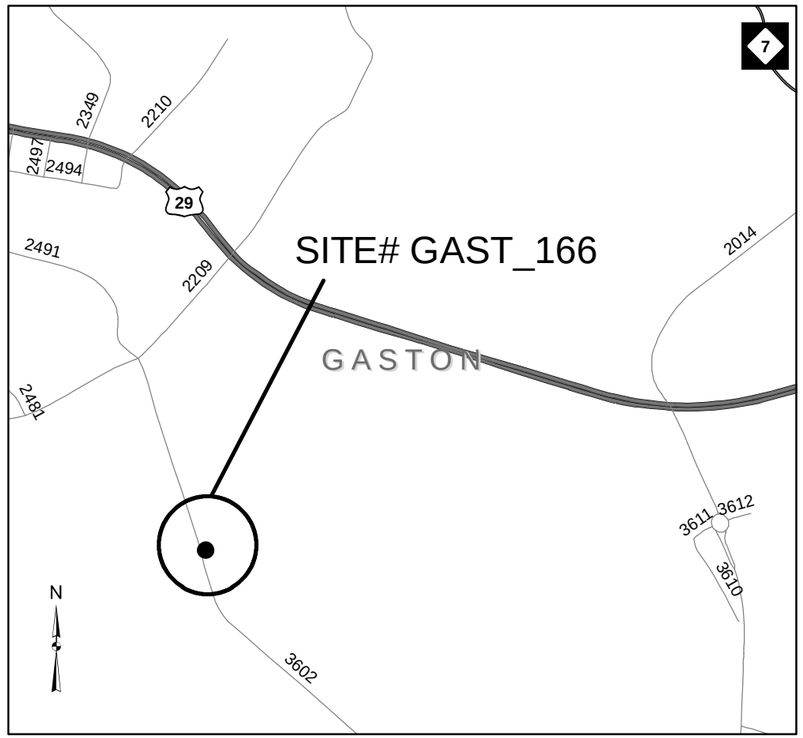
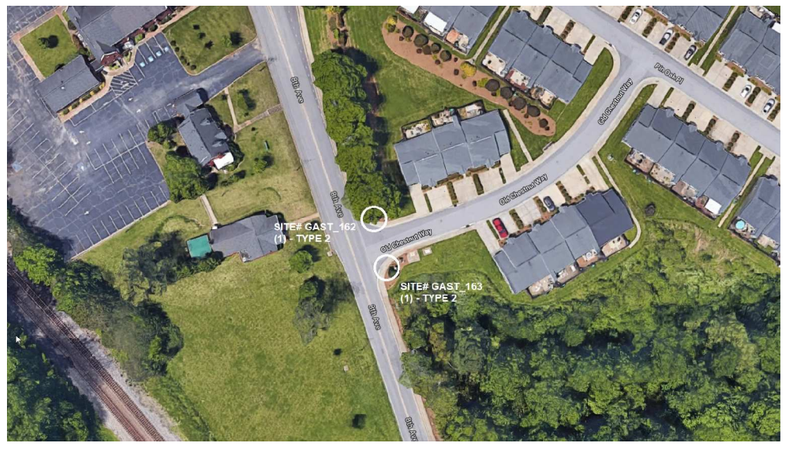
DEPARTMENT OF TRANSPORTATION



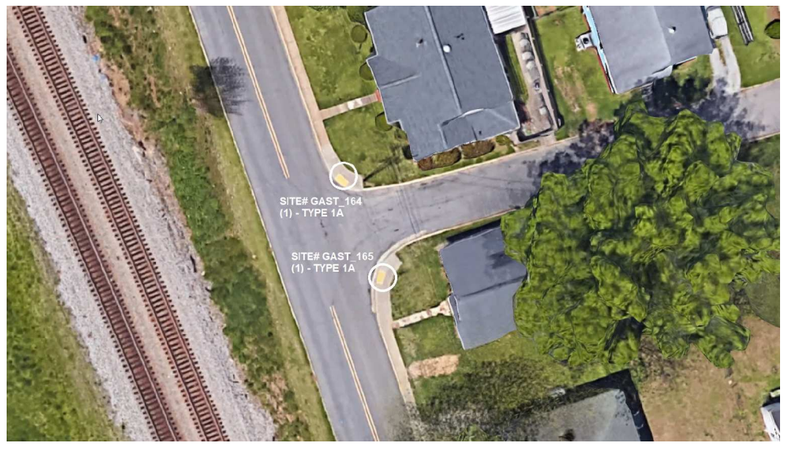




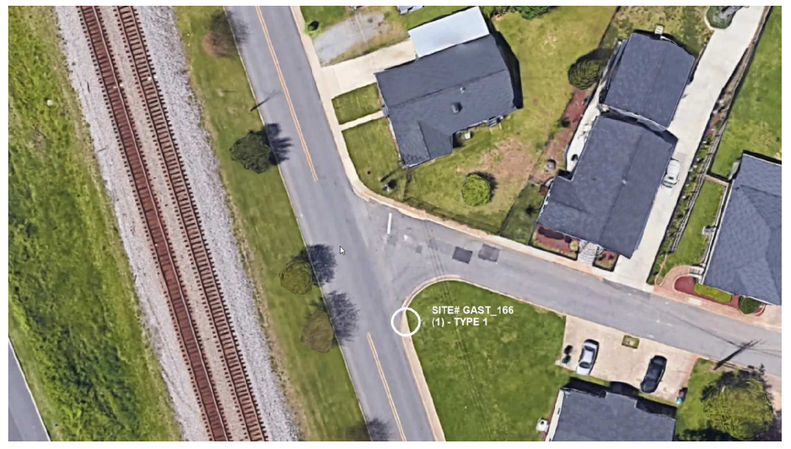
GASTON COUNTY
WBS# 44922.3.18



SR 3602 (EIGHTH AVE.) @ OLD CHESTNUT WAY



SR 3602 (EIGHTH AVE.) @ SCOGGINS ST.



SR 3602 (EIGHTH AVE.) @ BROOKLYN AVE.

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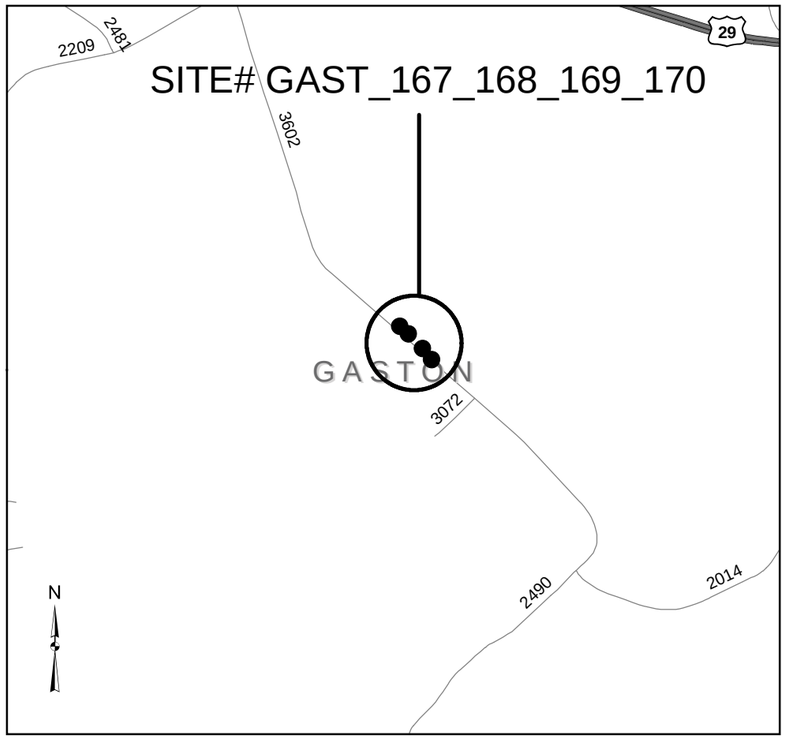

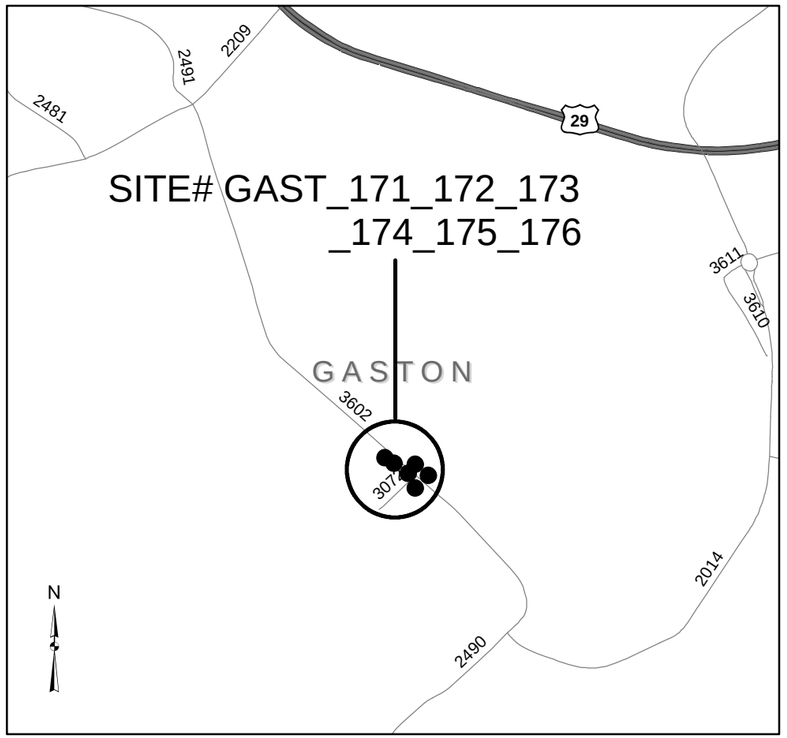

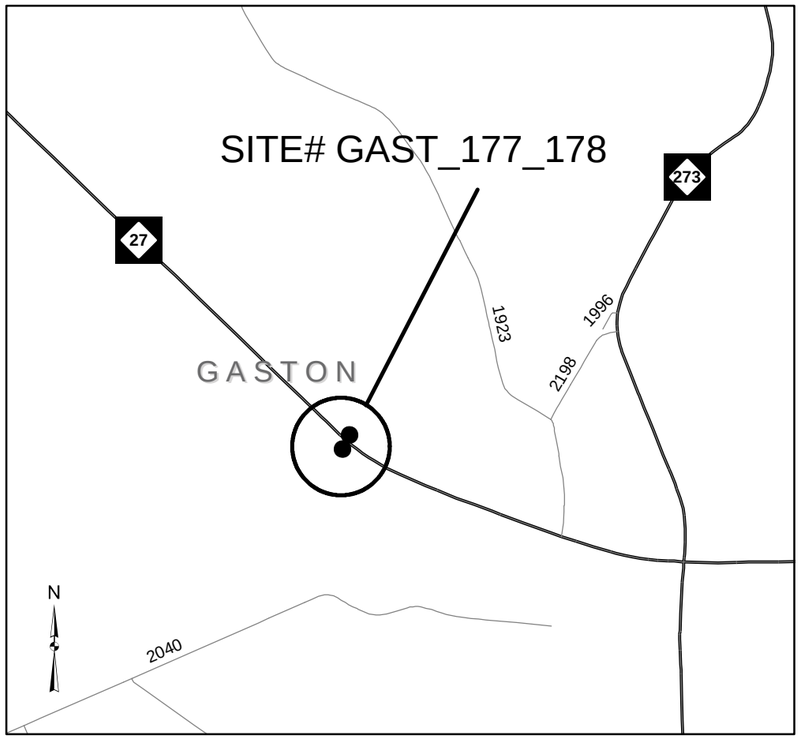

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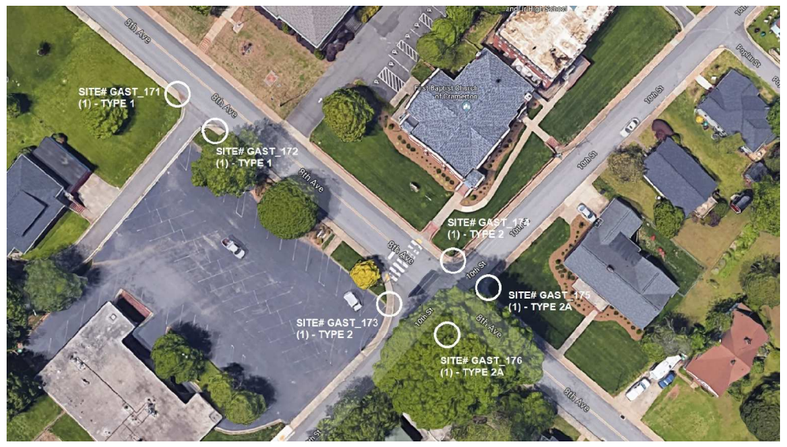
SR 3602 (EIGHTH AVE.) @ ELEVENTH AVE. AND JULIAN ST.



SR 3602 (EIGHTH AVE.) @ 20.0' NW OF SR 3072 (TENTH ST.)
AND SR 3072 (TENTH ST.)

NC 27 @ HAWTHORNE ST.

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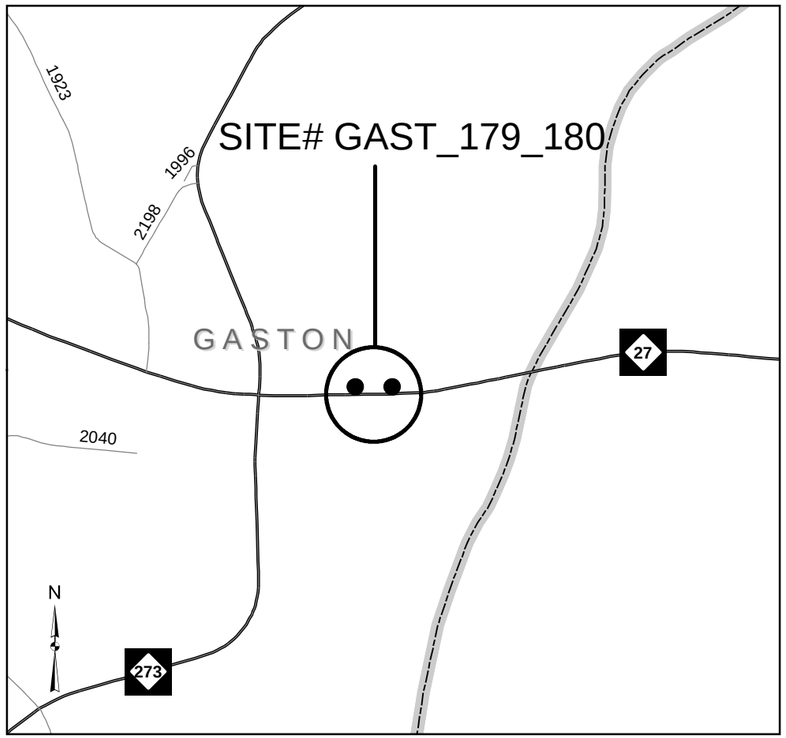
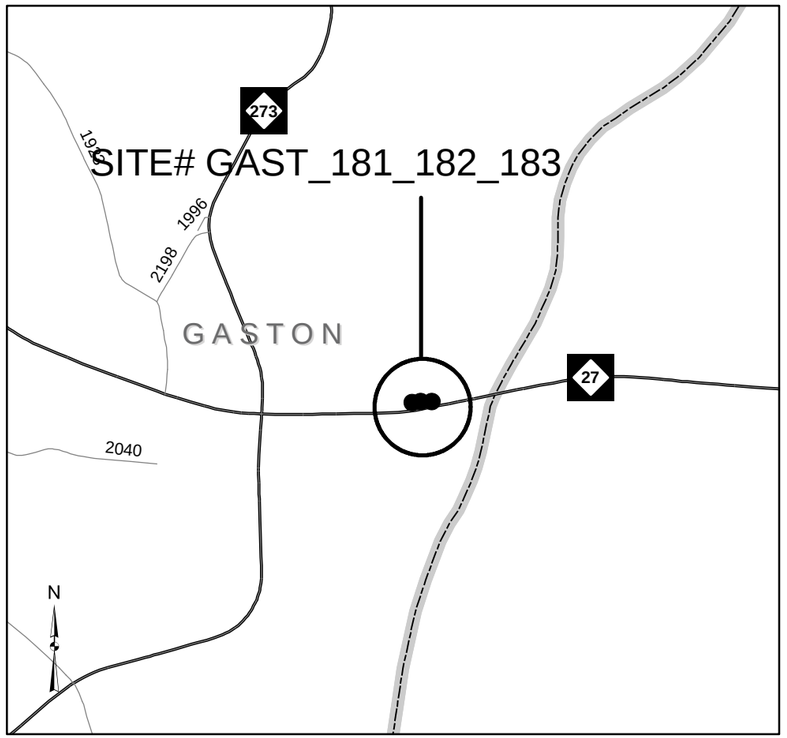
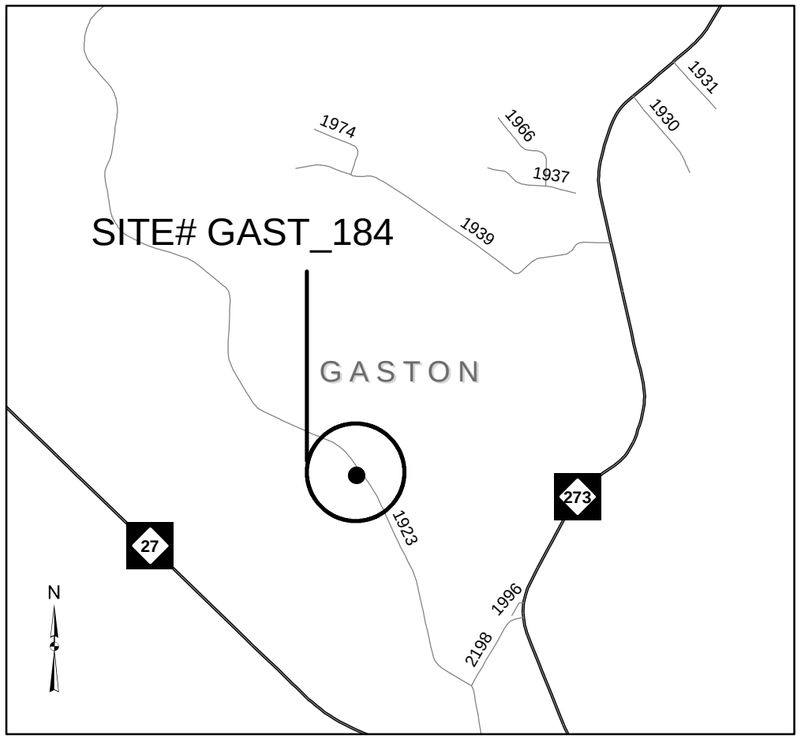
DEPARTMENT OF TRANSPORTATION







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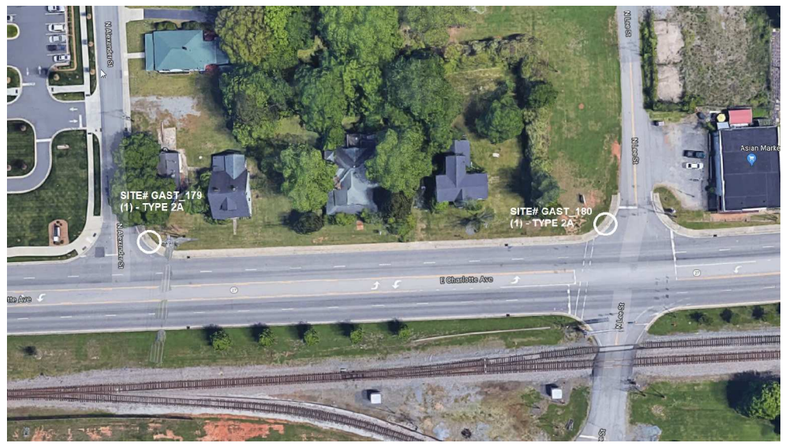
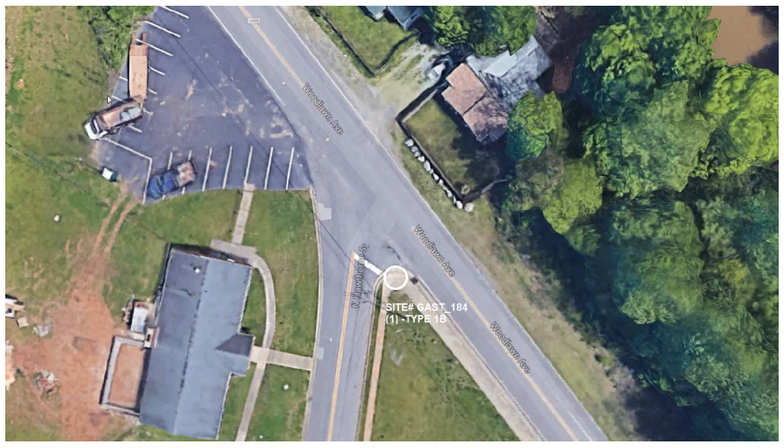


NC 27 @ ALEXANDER ST. AND LEE ST.

NC 27 @ RIVER ST.



SR 1923 (WOODLAWN AVE.) @ HAWTHORNE ST.

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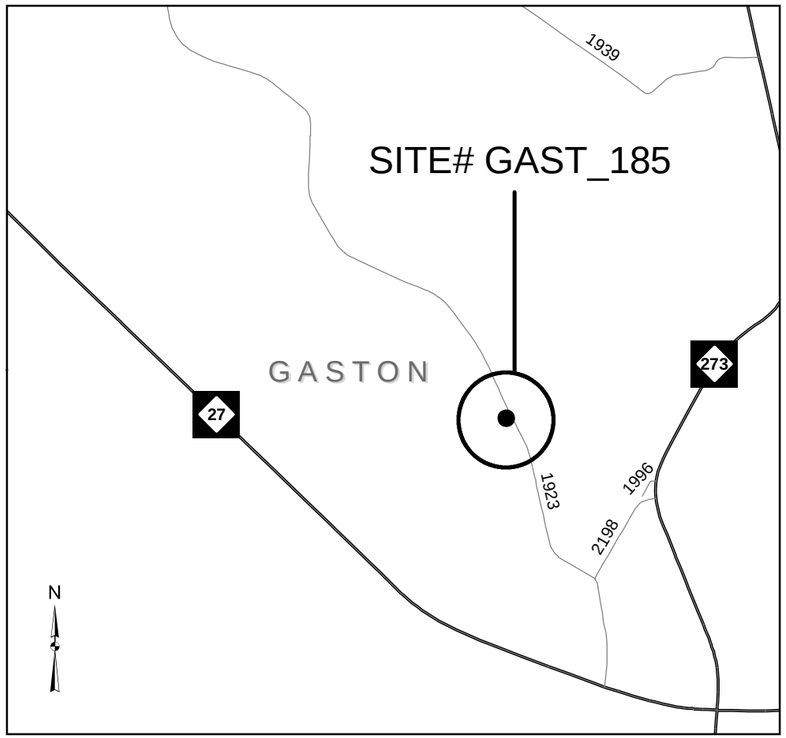
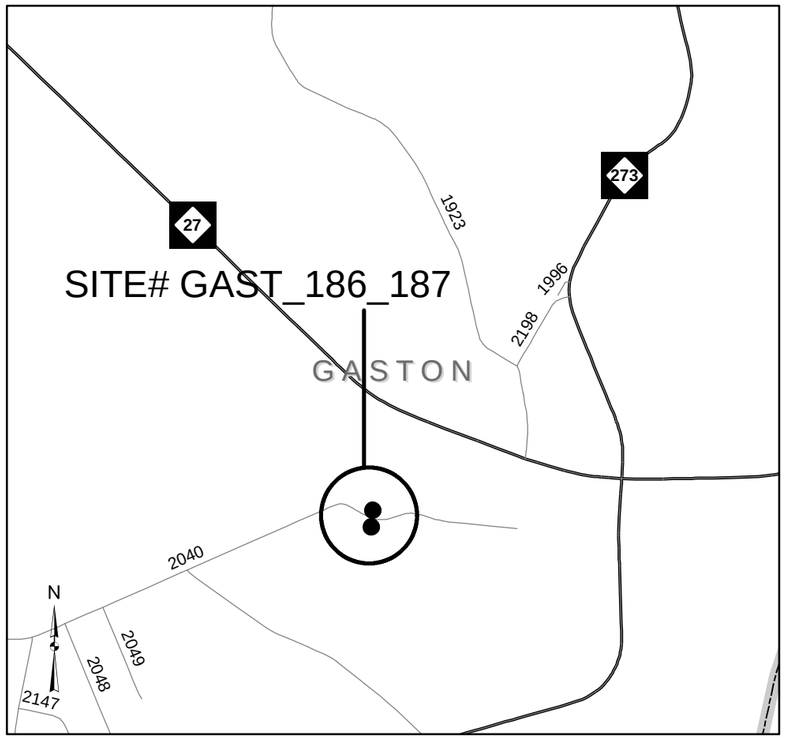
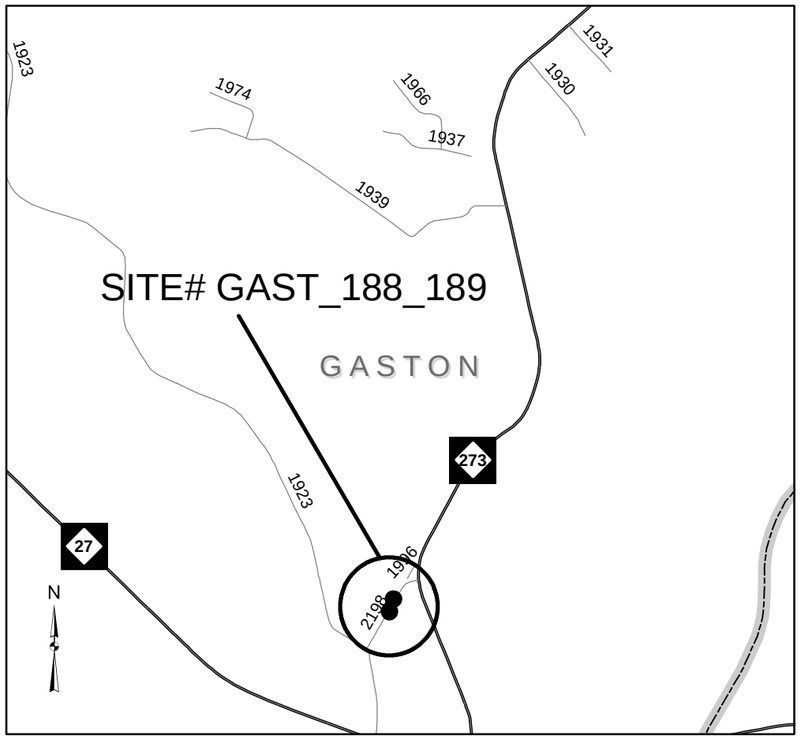
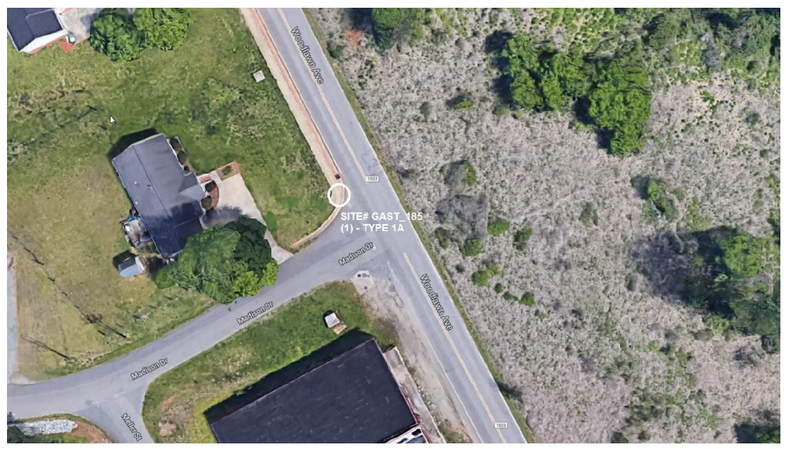




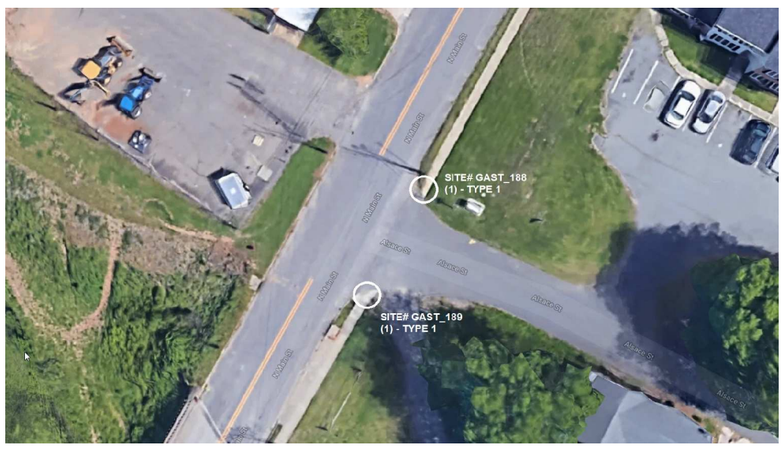


GASTON COUNTY
WBS# 44922.3.23



SR 1923 (WOODLAWN AVE.) @ MADISON DR.

SR 2040 (CATAWBA AVE.) @ HAWTHORNE ST.



SR 2198 (MAIN ST.) @ ALSACE ST.

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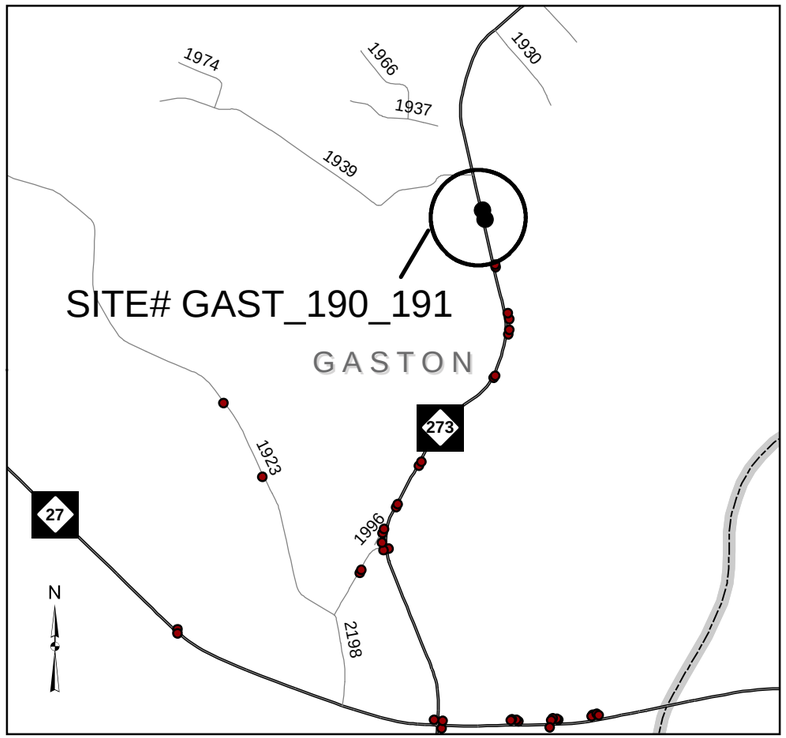
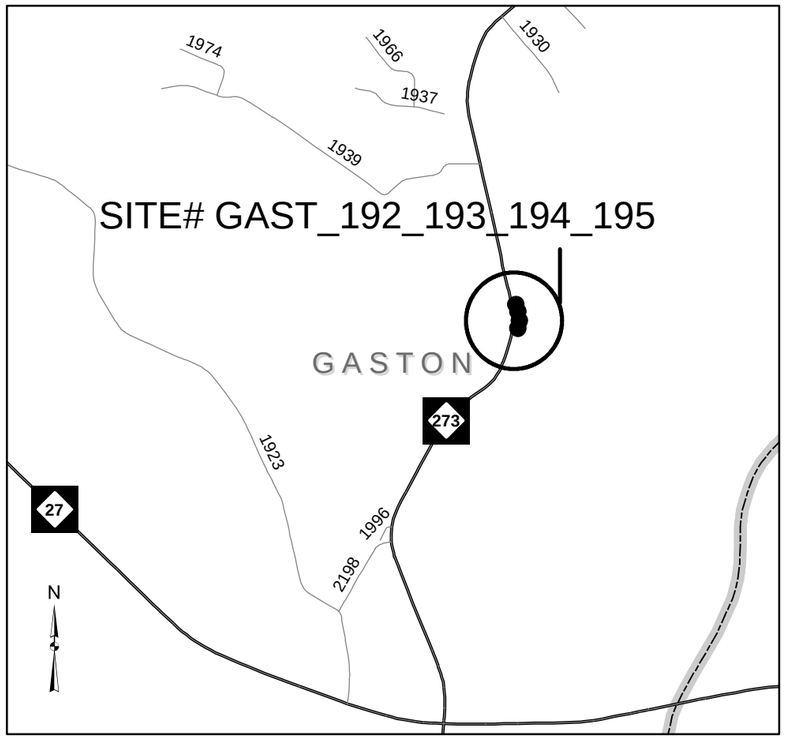
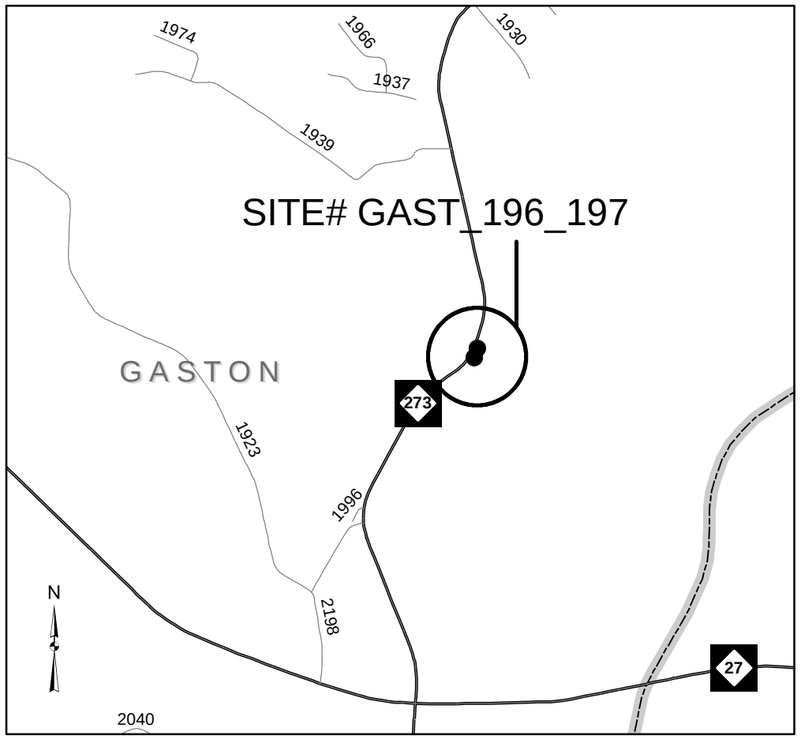
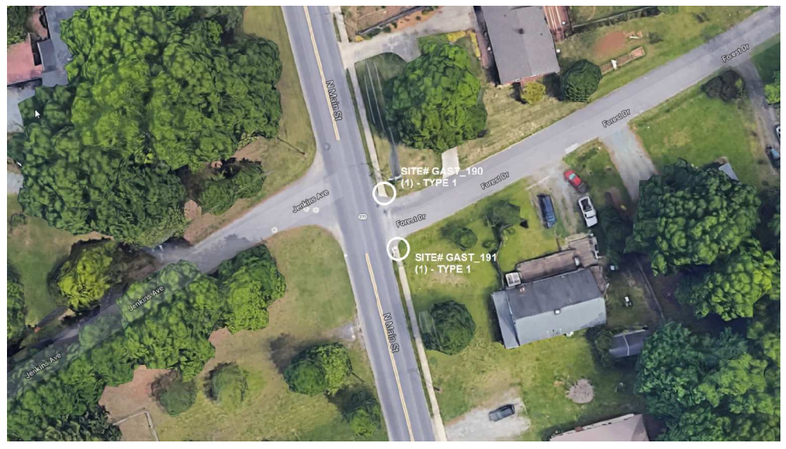
DEPARTMENT OF TRANSPORTATION



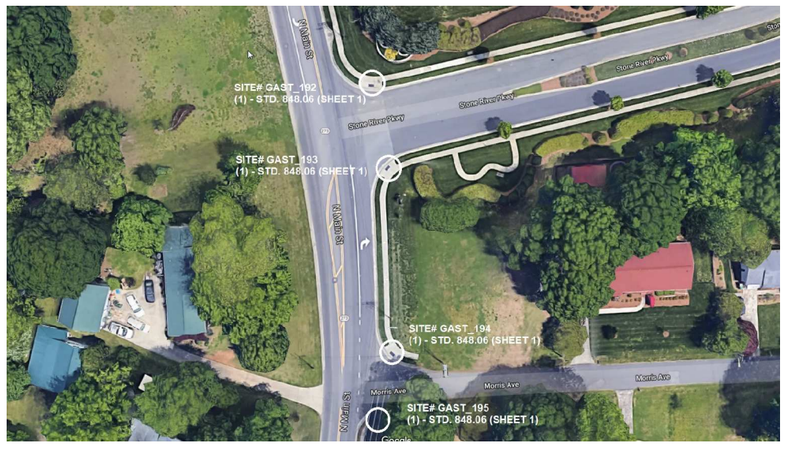




GASTON COUNTY
WBS# 44922.3.23



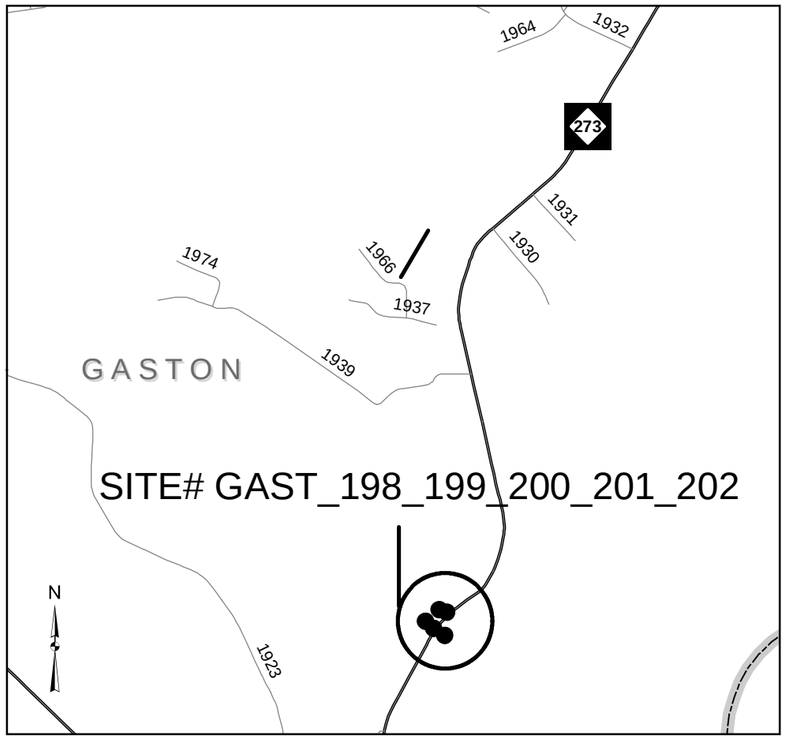
NC 273 @ FOREST DR.

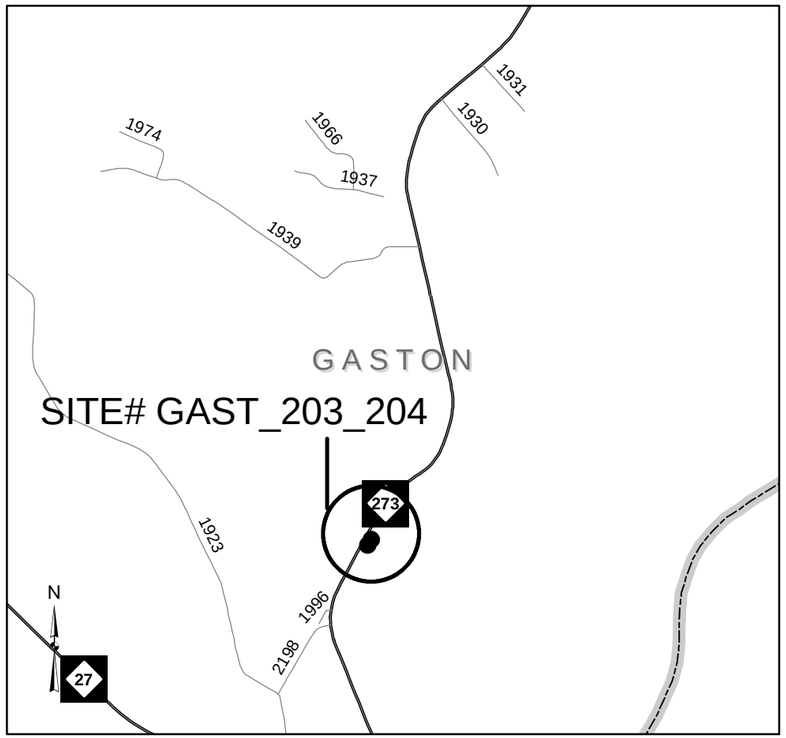


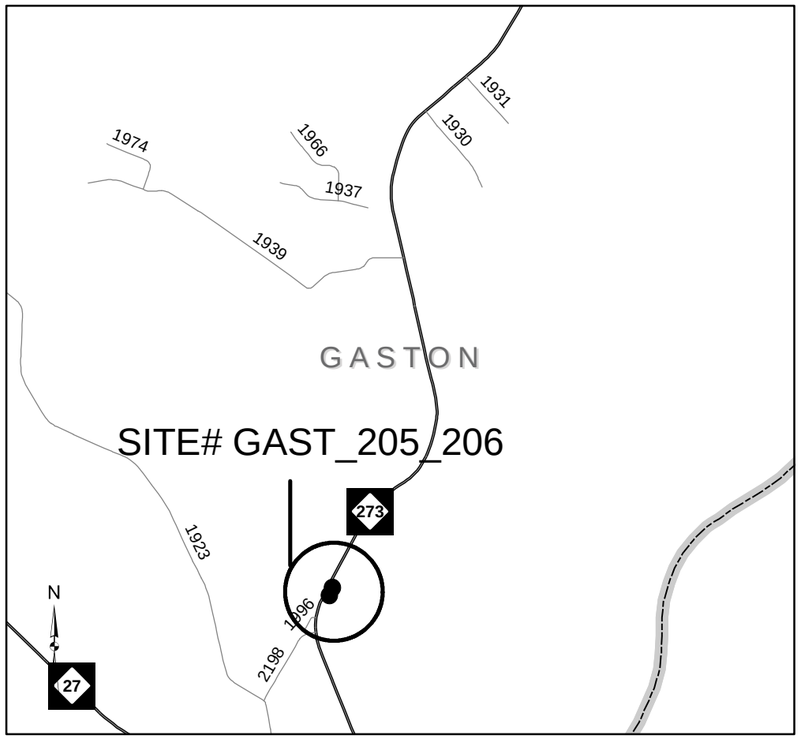
NC 273 @ STONE RIVER PKWY. AND MORRIS AVE.

NC 273 @ NANTZ AVE.

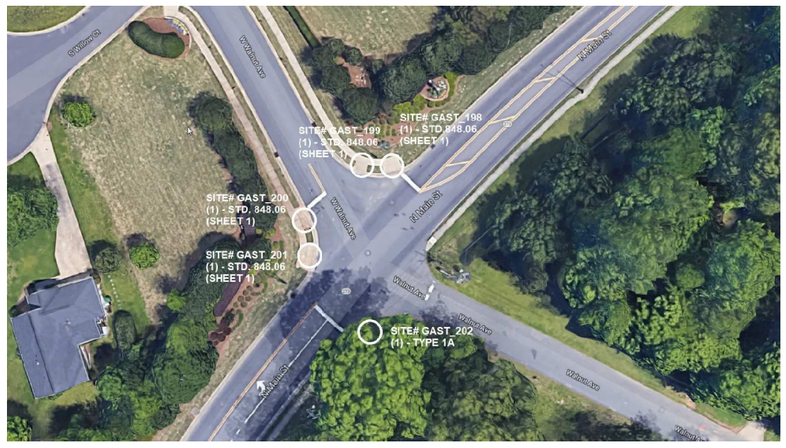
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION





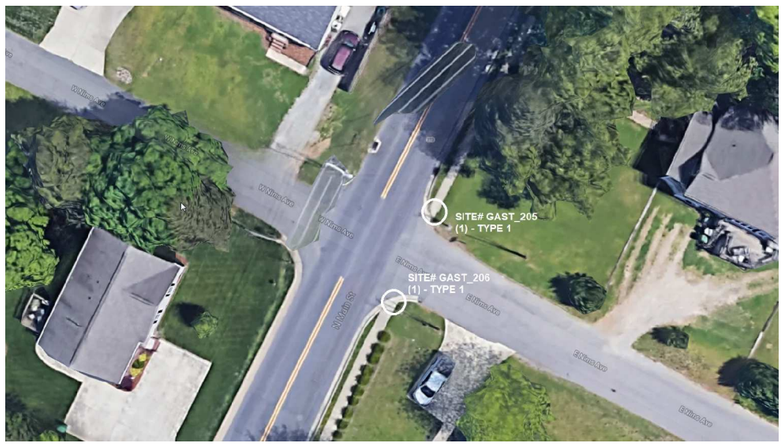


GASTON COUNTY
WBS# 44922.3.23



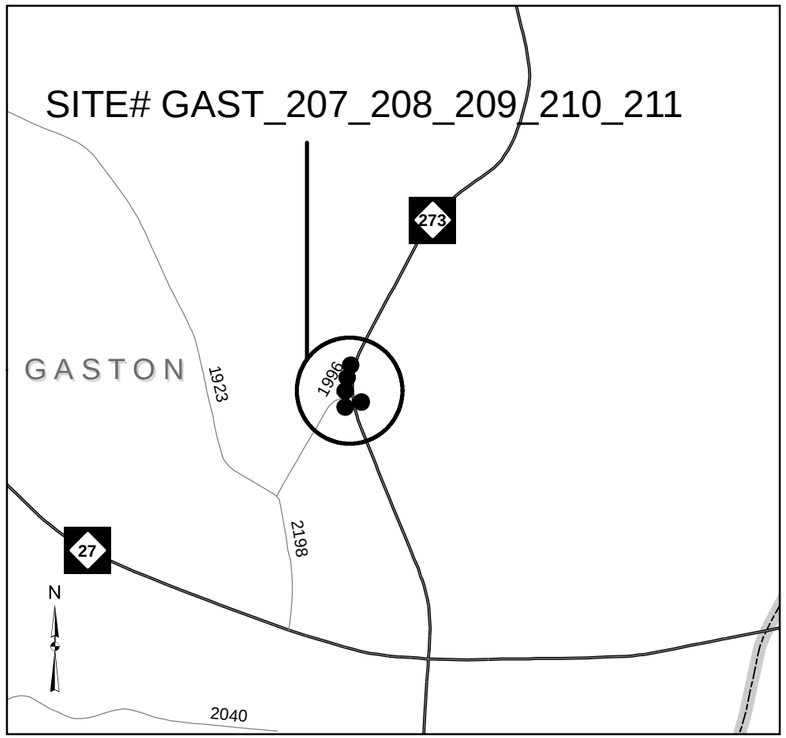
NC 273 @ WALNUT AVE.

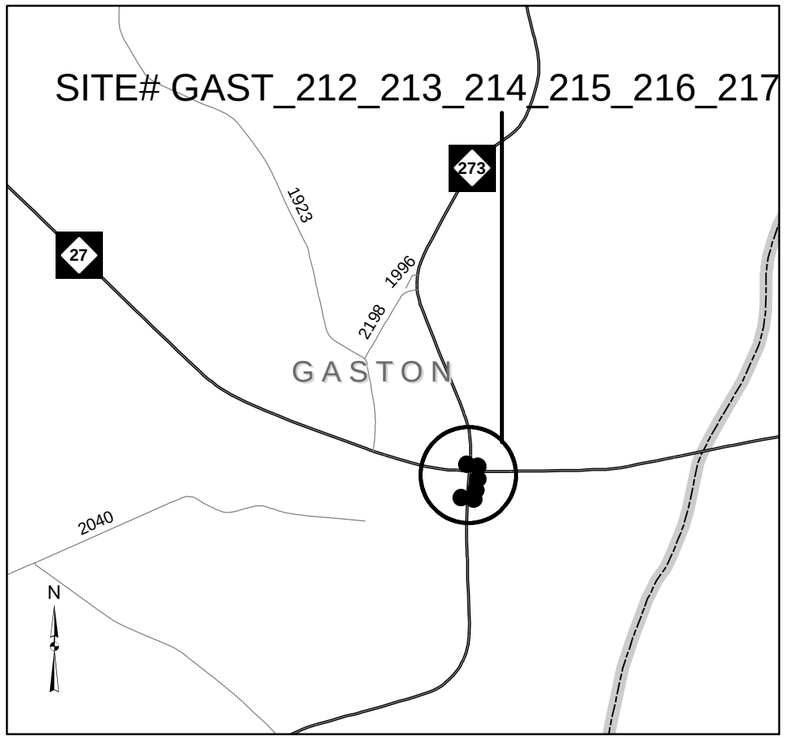
NC 273 @ KILLIAN AVE.

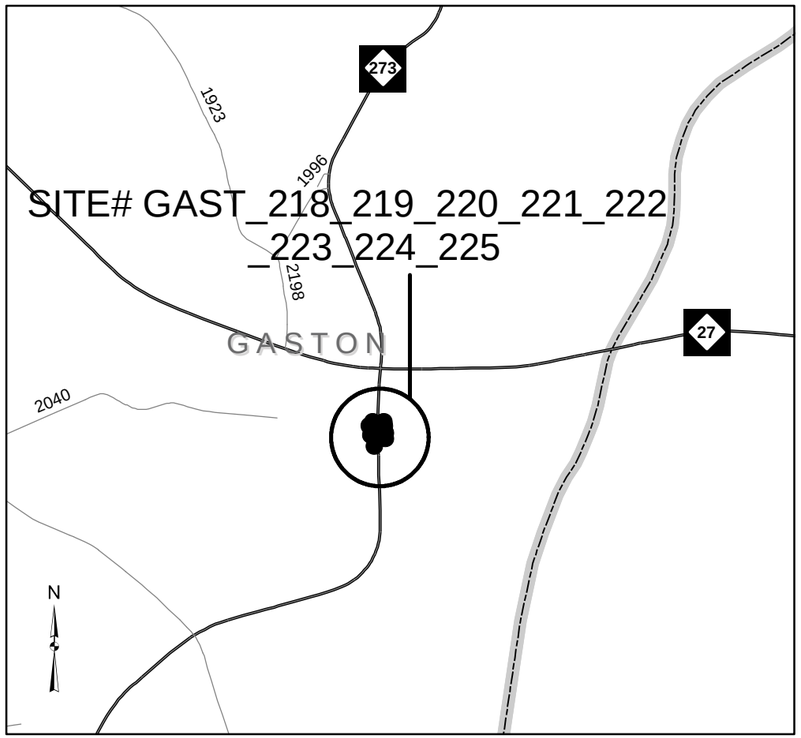


NC 273 @ NIMS AVE.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

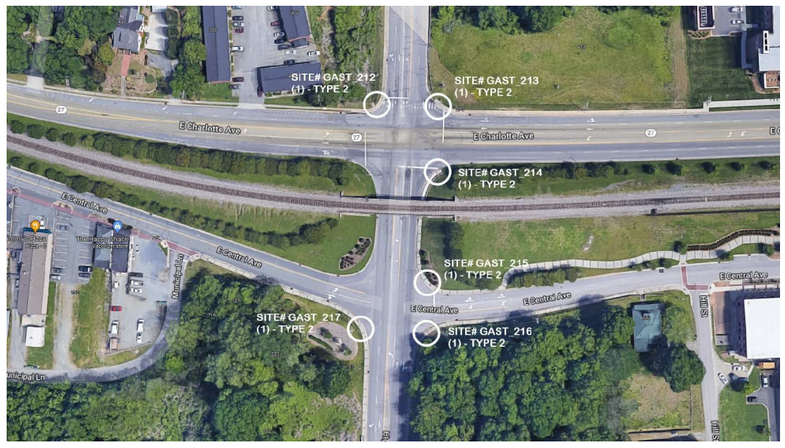




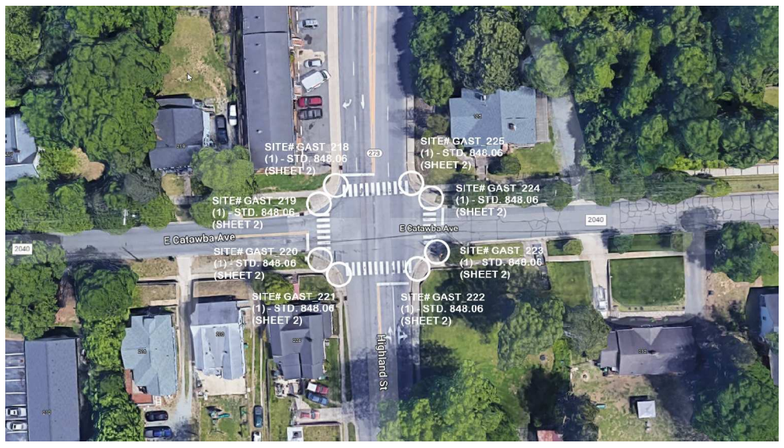


GASTON COUNTY
WBS# 44922.3.23

NC 273 @ SR 1996 (N. MAIN ST.) & SR 2198 (N. MAIN ST.)

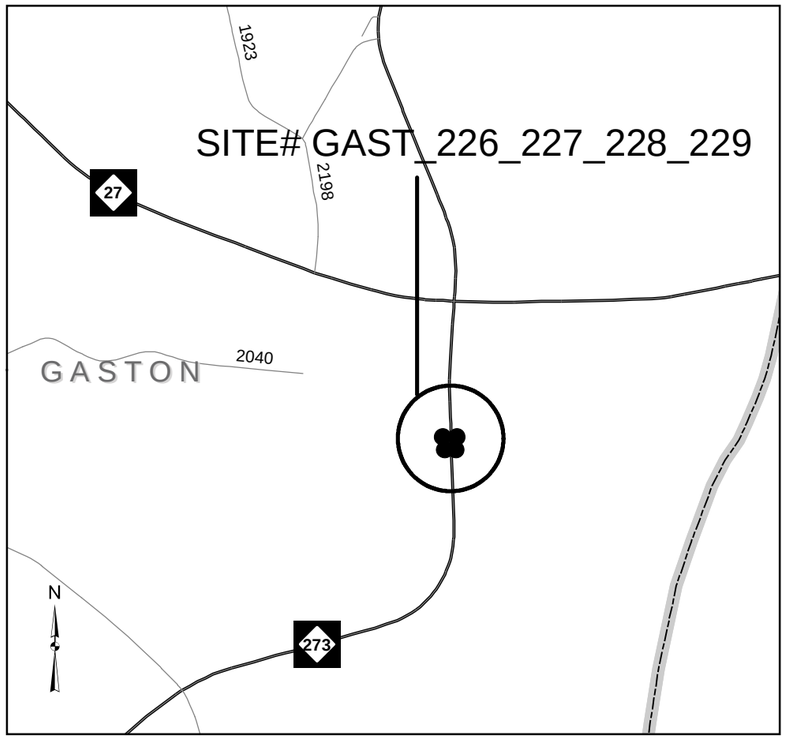


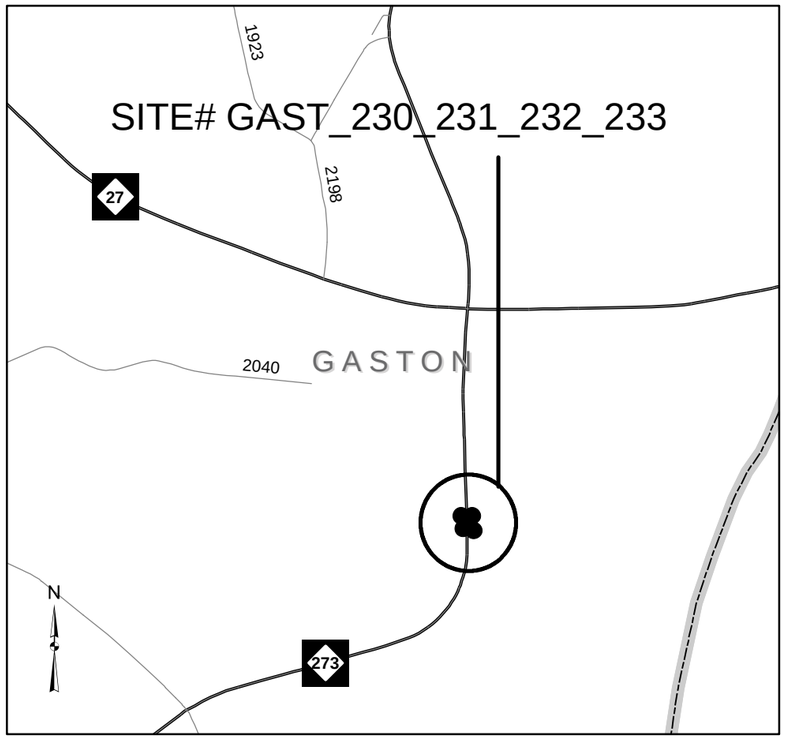
NC 273 @ NC 27 & CENTRAL AVE.

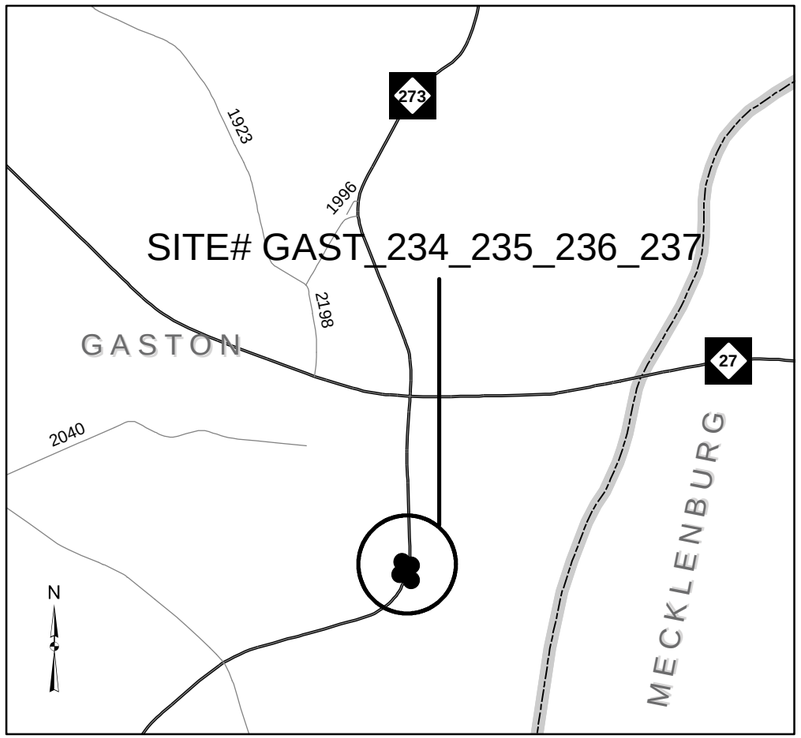


NC 273 @ CATAWBA AVE.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION







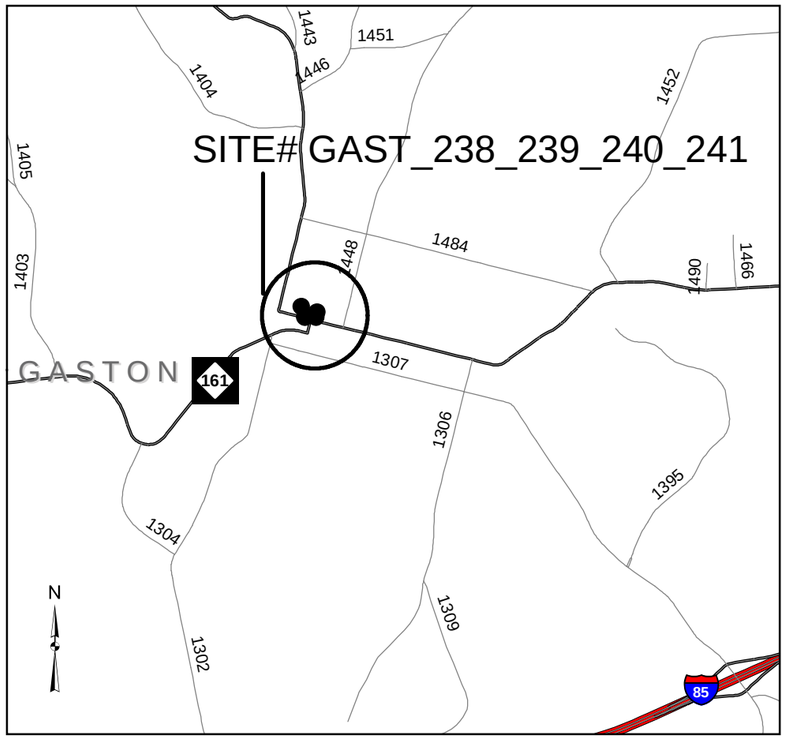
GASTON COUNTY
WBS# 44922.3.23

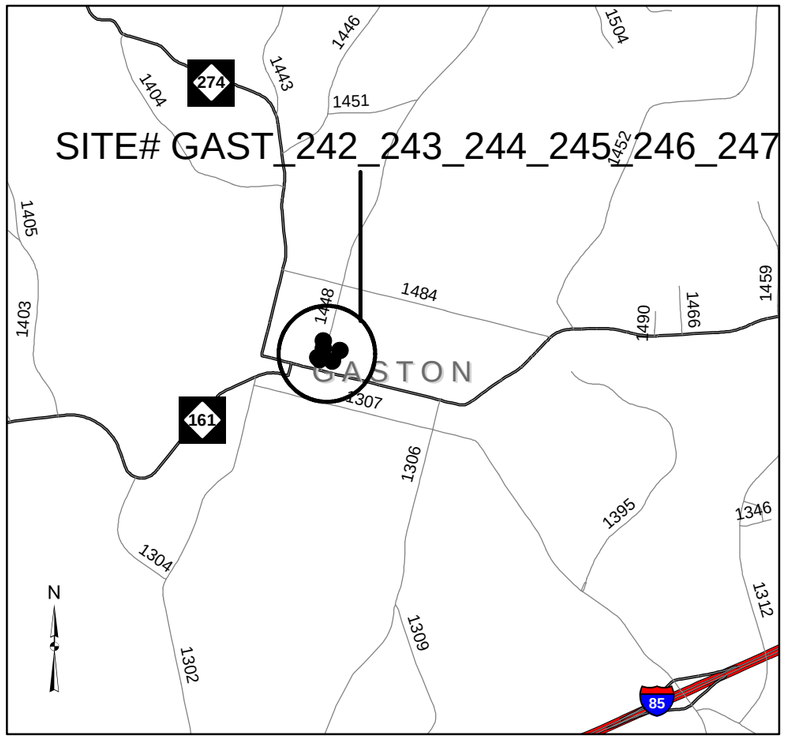
NC 273 @ PIEDMONT AVE.

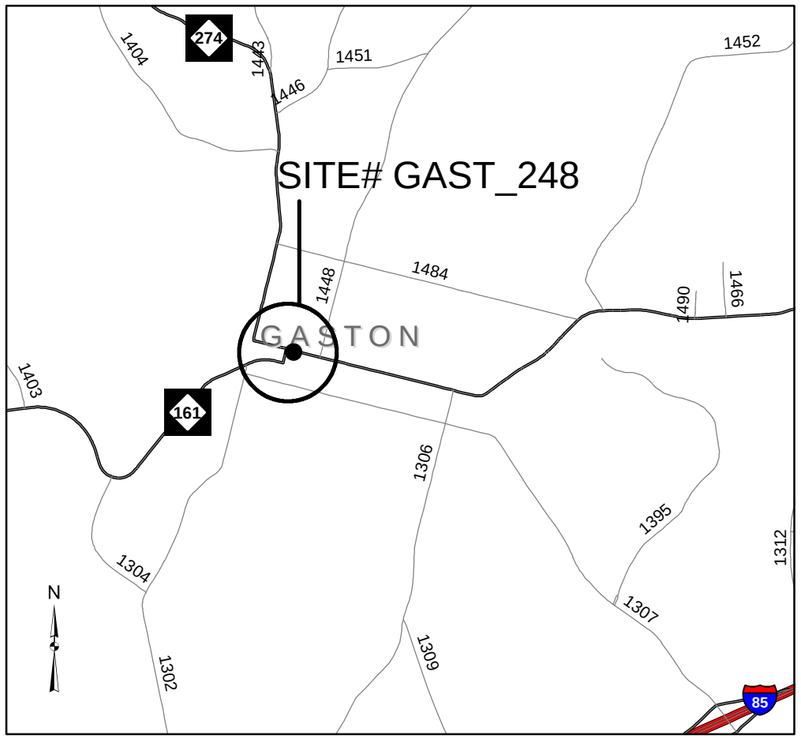
NC 273 @ NC 27 & GLENDALE AVE.

NC 273 @ SUMMIT AVE.

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

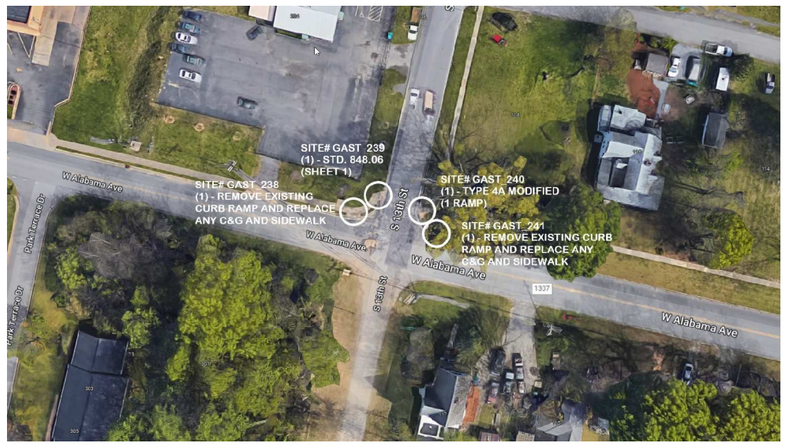




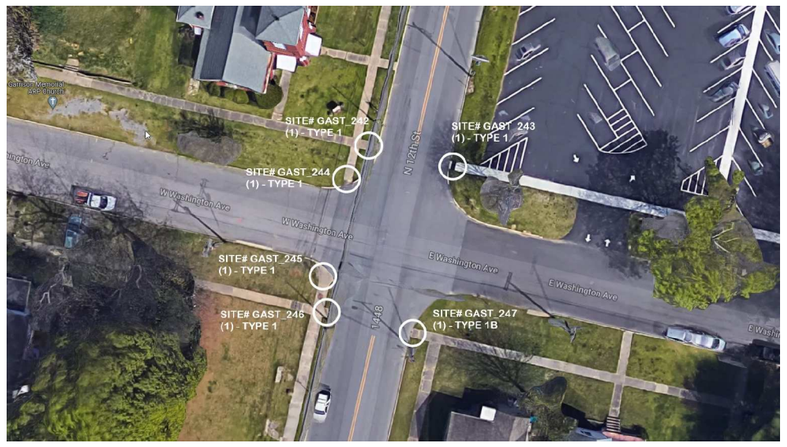


GASTON COUNTY

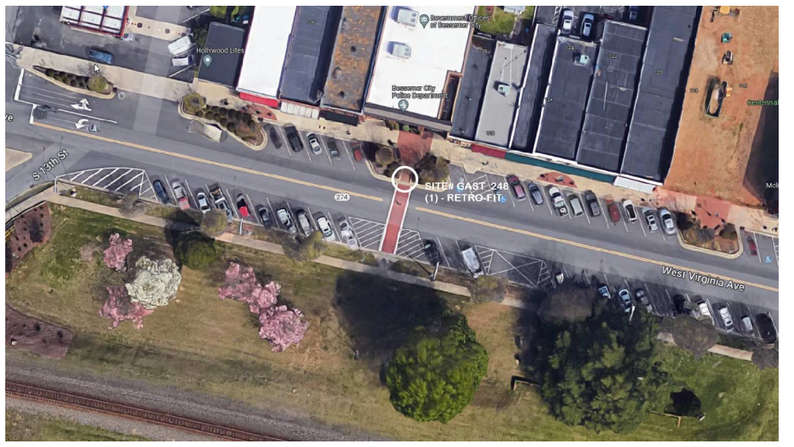
WBS# 44922.3.23



SR-1307 (W. ALABAMA AVE.) @ S. THIRTEENTH ST.)

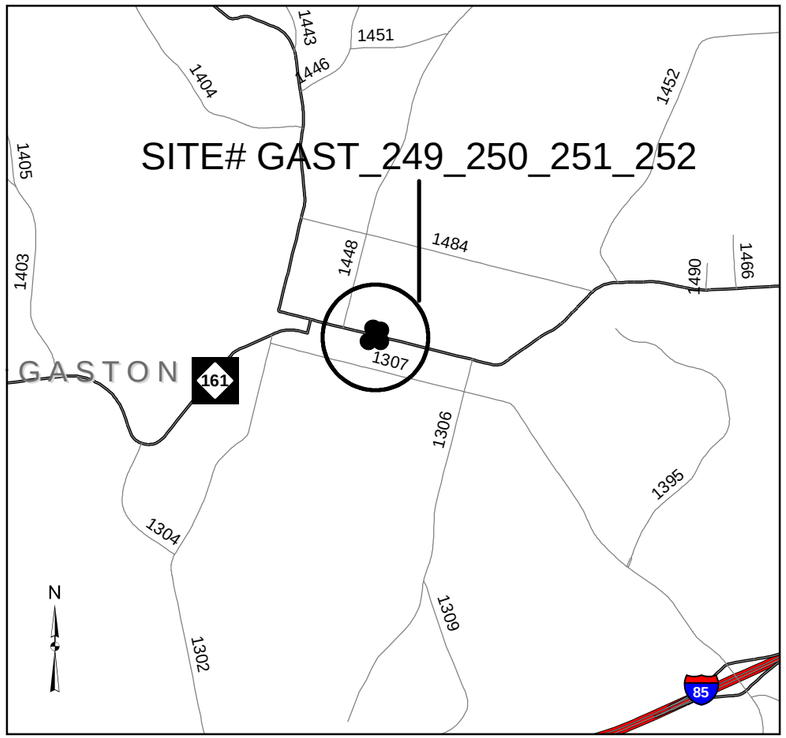


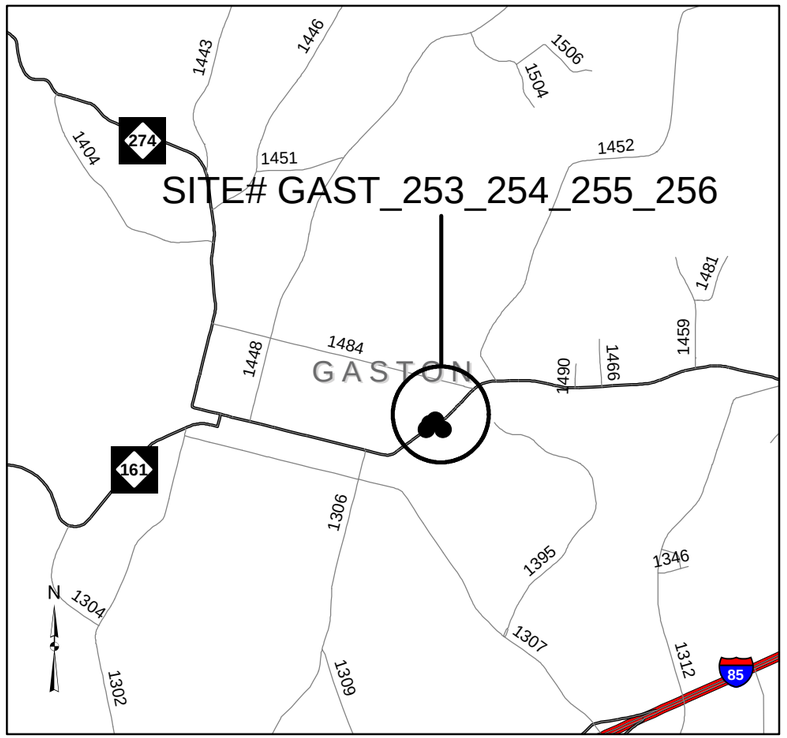
SR - 1448 (N. TWELFTH ST.) @ W. WASHINGTON AVE.



NC 274 @ CROSSWALK AT CITY HALL

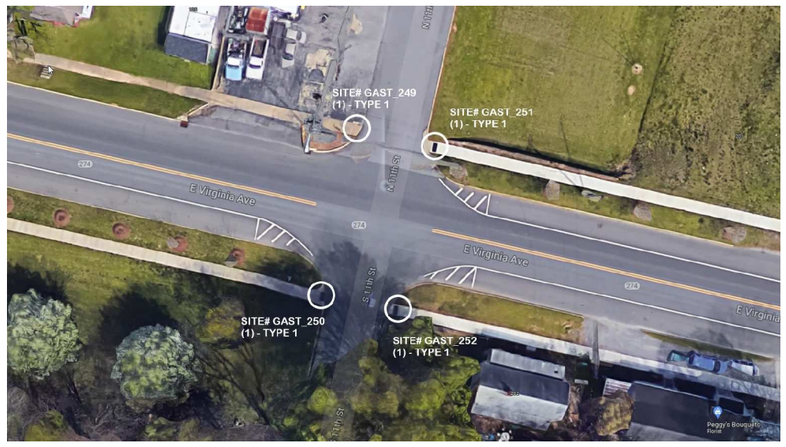
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION



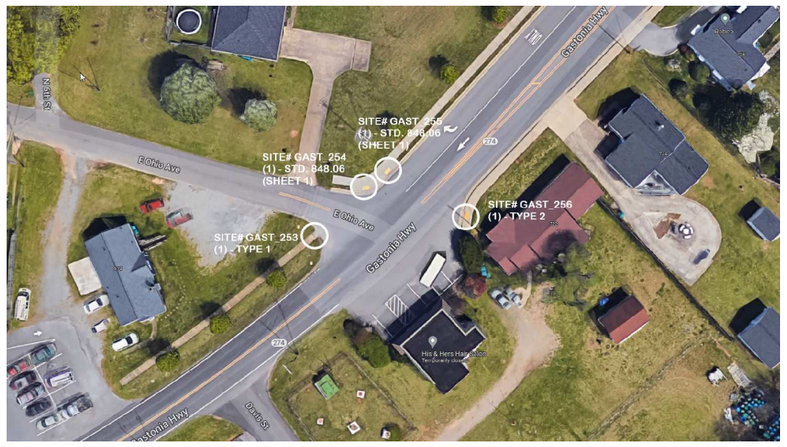


GASTON COUNTY

WBS# 44922.3.23



NC 274 @ N. ELEVENTH ST.

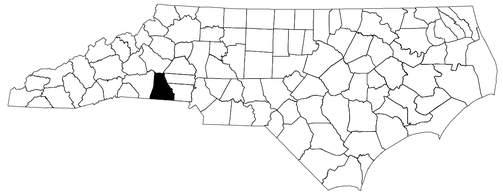


NC 274 @ E. OHIO AVE.

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

- CONE
- DRUM SKINNY DRUM
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER

INDEX OF SHEETS

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

SHEET NO.
TMP-1

TIP PROJECT: R-5792AL & AQ

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

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

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PROJ. REFERENCE NO.	SHEET NO.
R-5792AL & AQ	TMP-1A

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
1. 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

1. 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. 1101.04 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. 1101.02 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. 1101.02 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.

DIVISION OF HIGHWAYS · STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION · WORK ZONE TRAFFIC CONTROL

TRANSPORTATION OPERATIONS PLAN

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