

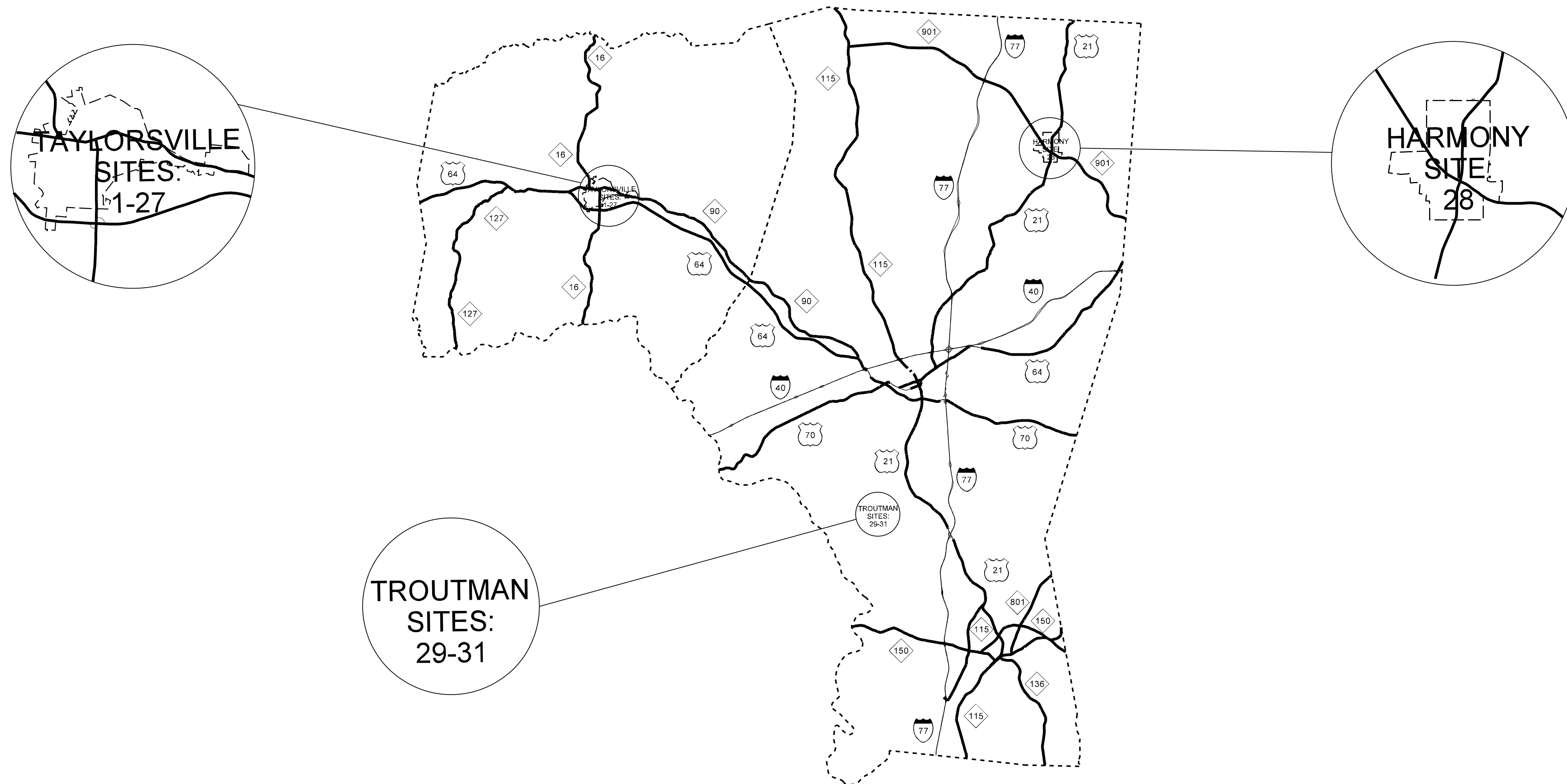
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BO-2412C_D	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50941.3.5		CONST. ALEX. < 5,000	
50941.3.6		CONST. IRED. < 5,000	

ALEXANDER & IREDELL COUNTIES

LOCATION: VARIOUS THROUGHOUT: TAYLORSVILLE, TROUTMAN, AND HARMONY.

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



TIP PROJECT: BO-2412C_D

CONTRACT: DL00329

02-MAY-2024 09:06 S:\DDC\Division_CurB_Ramp_2024\DL00329_Dist 2\Plansheets\BO-2412C-D_Rdy_tsh_1.dgn jscarpenier AT DIV12-529436L

Prepared In the Office of:
DIVISION OF HIGHWAYS
1710 E. MARION ST., SHELBY NC 28150

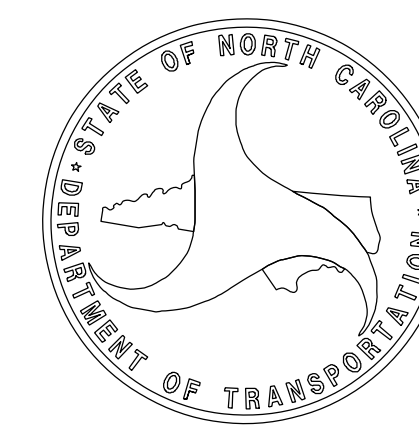
2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
MAY 28, 2024

BRYAN K. D. SOWELL, PE
PROJECT ENGINEER

JOSHUA S. CARPENTER
PROJECT DESIGN ENGINEER



8/17/99

SHEET NUMBER	INDEX OF SHEETS SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
2B-1 THRU 2B-4	SPECIAL DETAILS
2C-1	SUMMARY OF QUANTITIES
4 THRU 8	PLAN SHEETS

GENERAL NOTES: 2024 SPECIFICATIONS


CURB RAMP

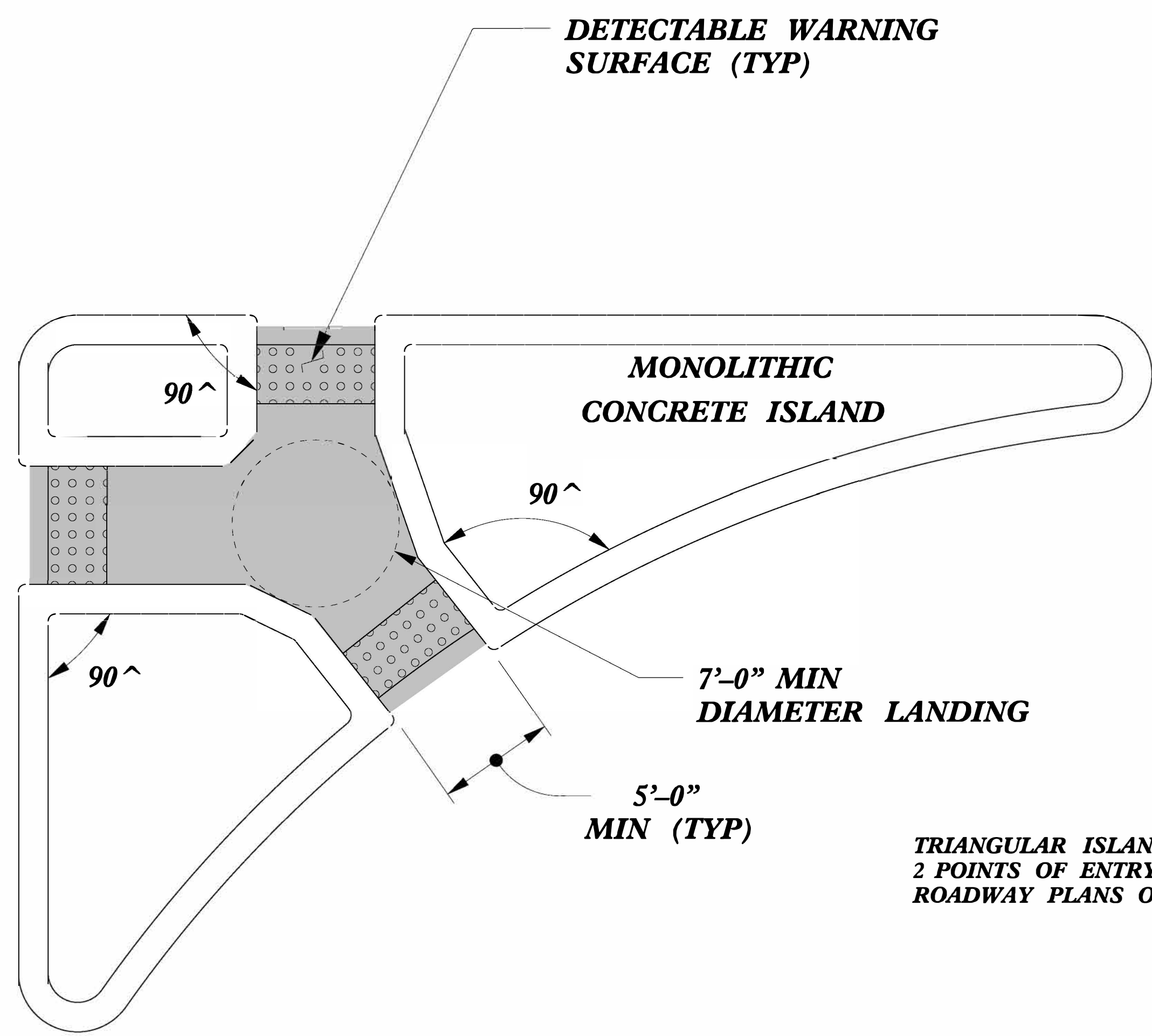
CURB RAMP ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMP'S ACCORDANCE WITH STD 848.05, 848.06, & SPECIAL DETAILS.

2024 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
848.06	Curb Ramp - Existing Curb & Gutter

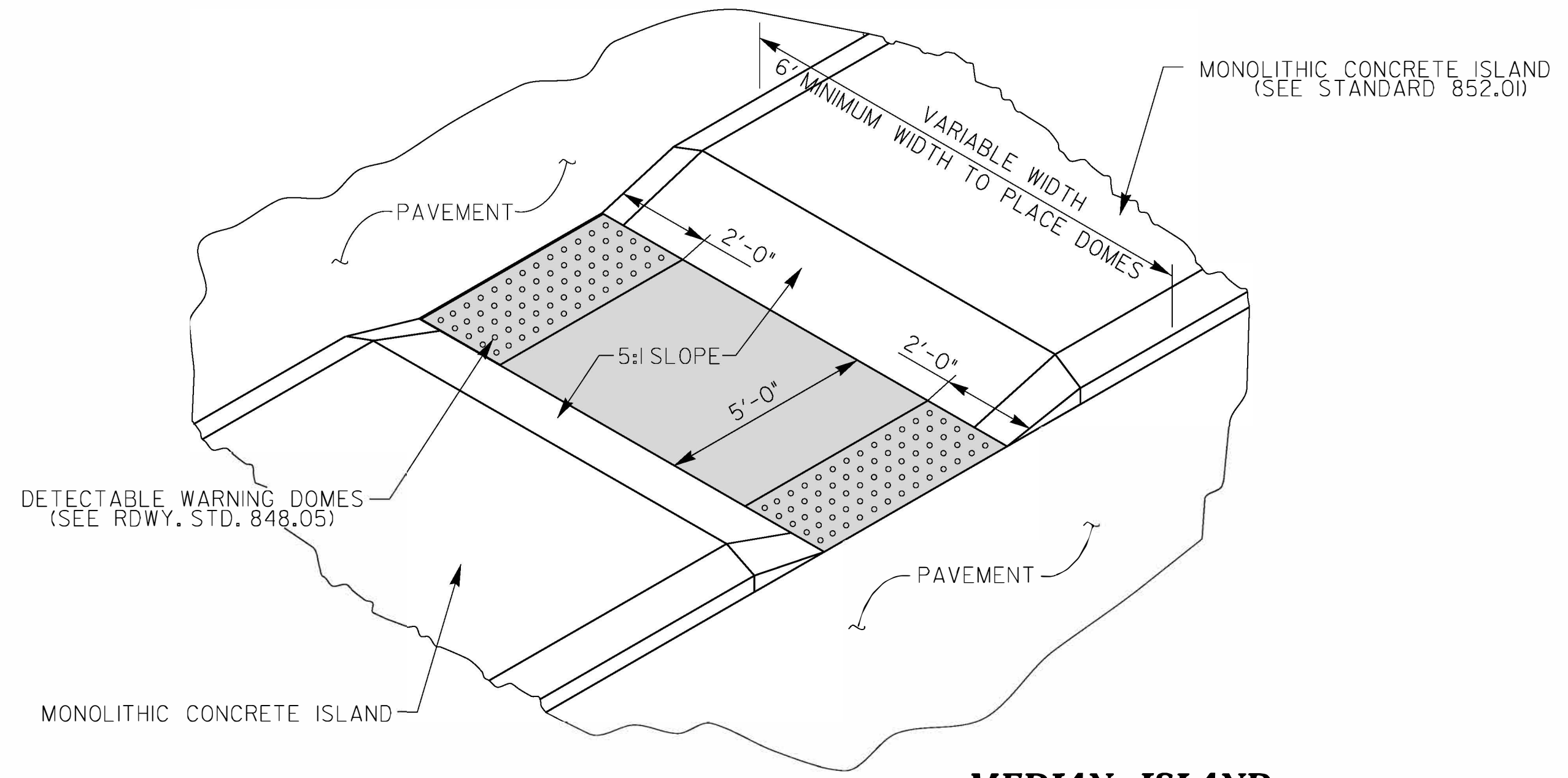
 PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF
SETS OF TRUNCATED DOMES)



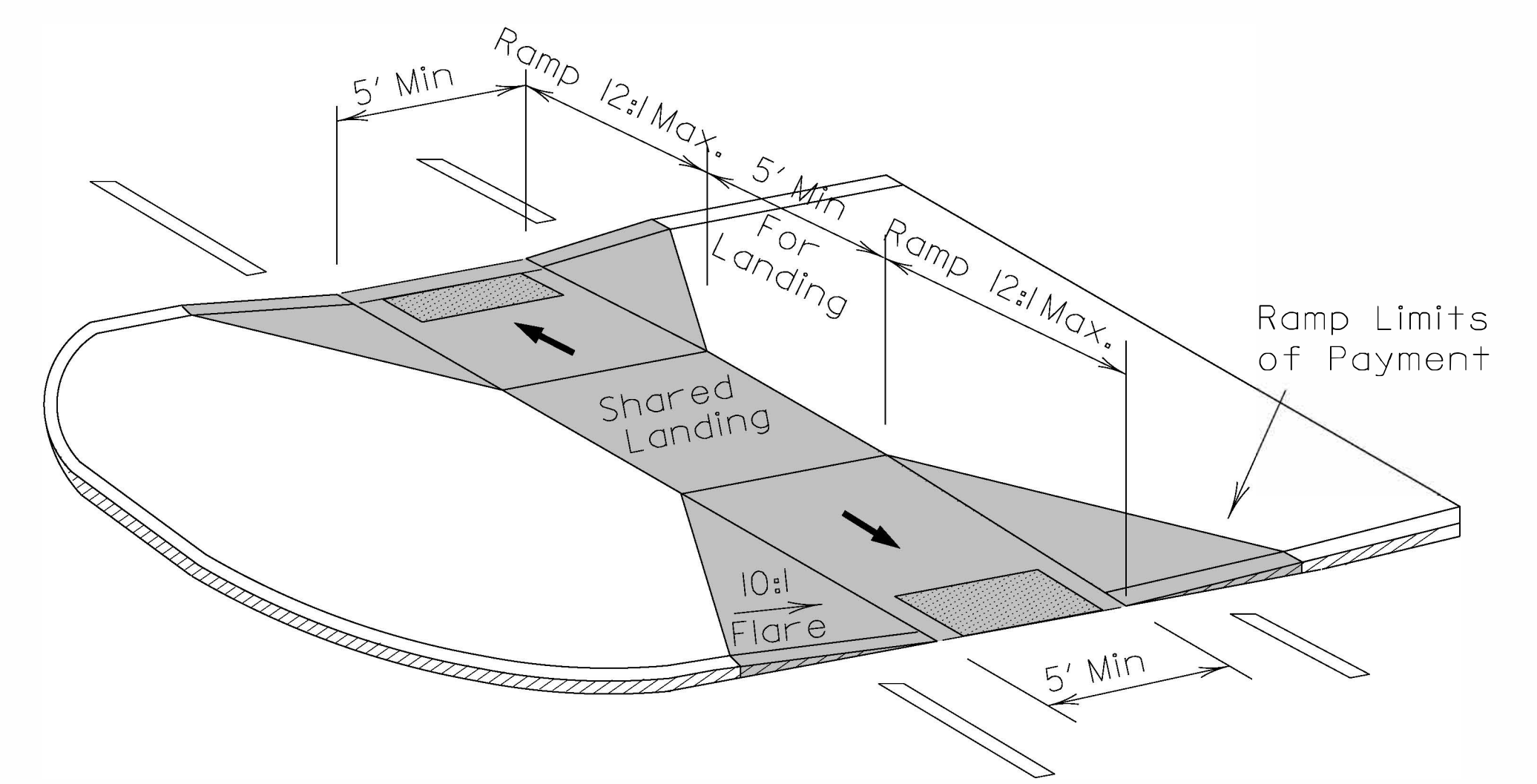
TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY
2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE
ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

**TRIANGULAR ISLAND
WITH CUT THROUGH**

TYPE 6



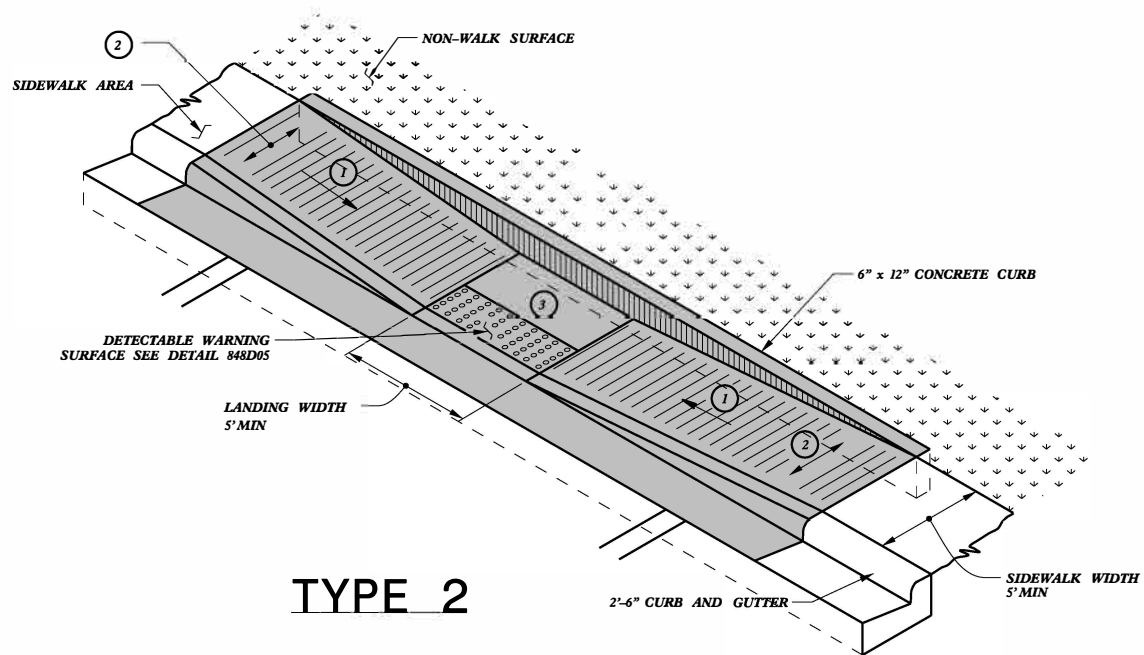
**MEDIAN ISLAND
WITH CUT THROUGH**



**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	

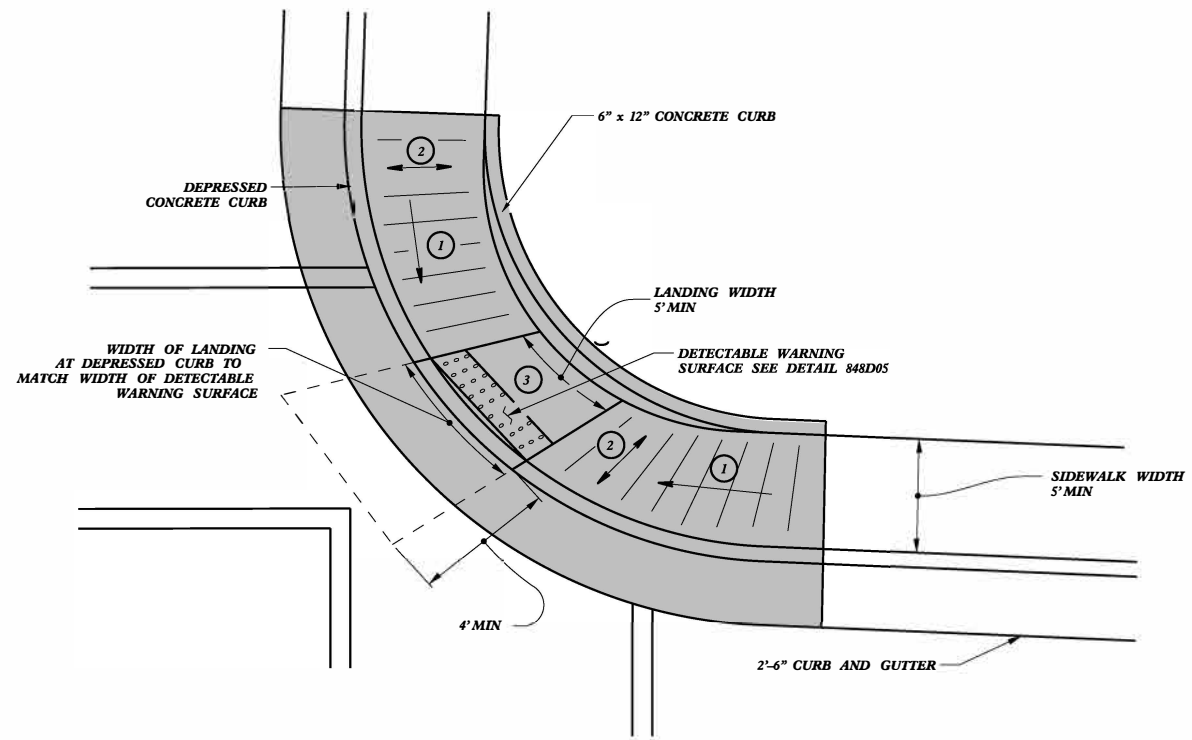
5/14/99
\$\$\$\$\$USERNAME\$\$\$\$\$



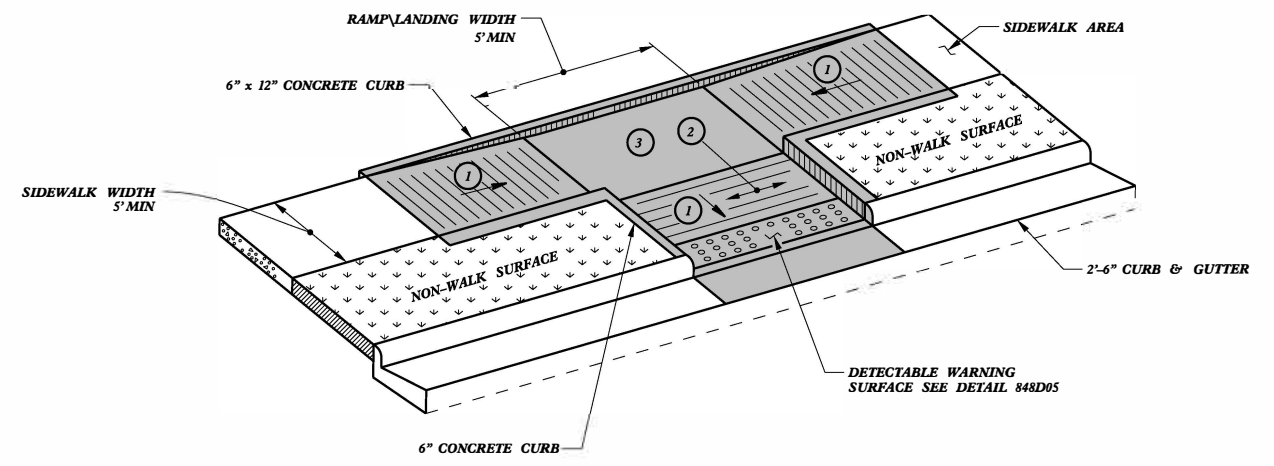
TYPE 2

 PAY LIMITS FOR CURB RAMP

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



TYPE 2A

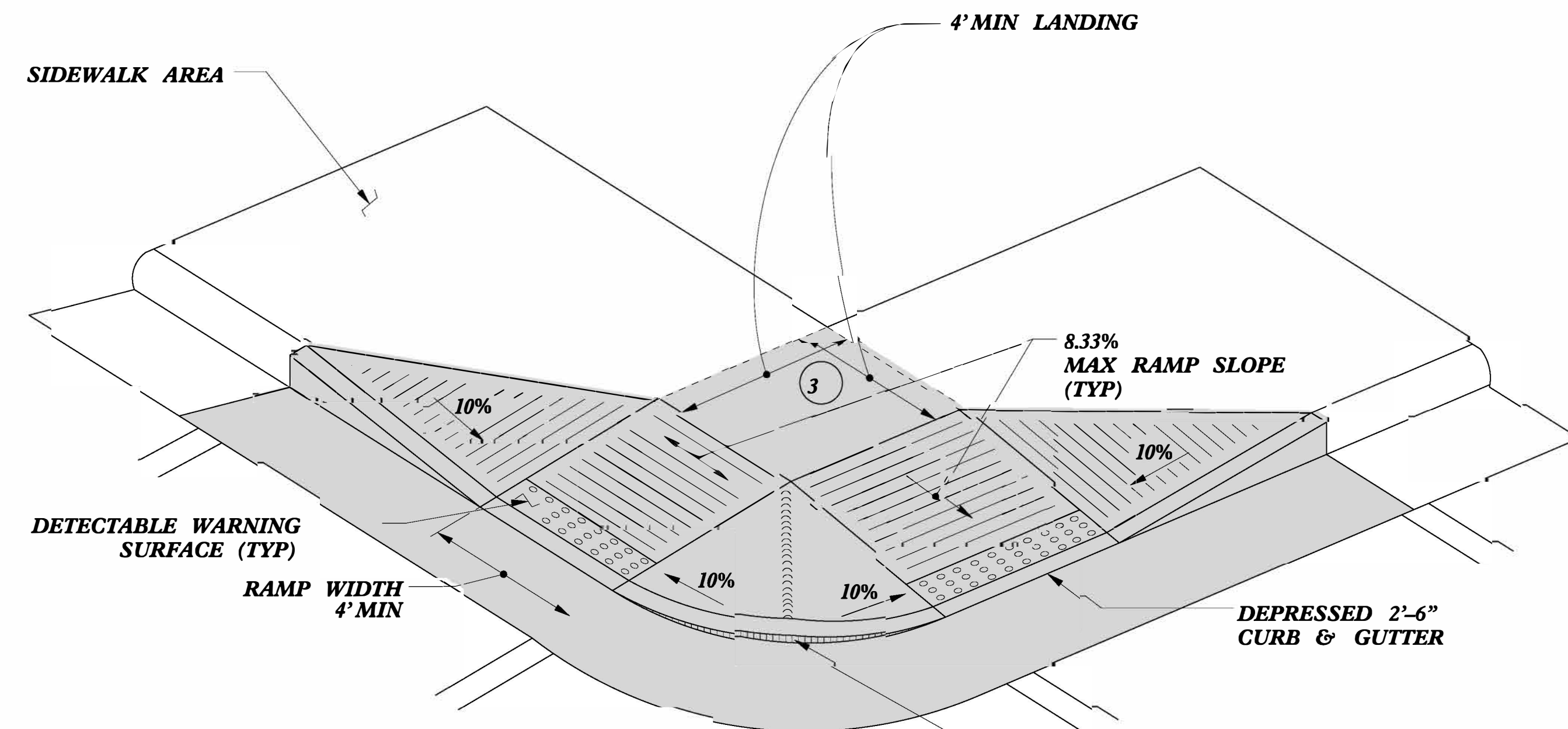


TYPE 2B

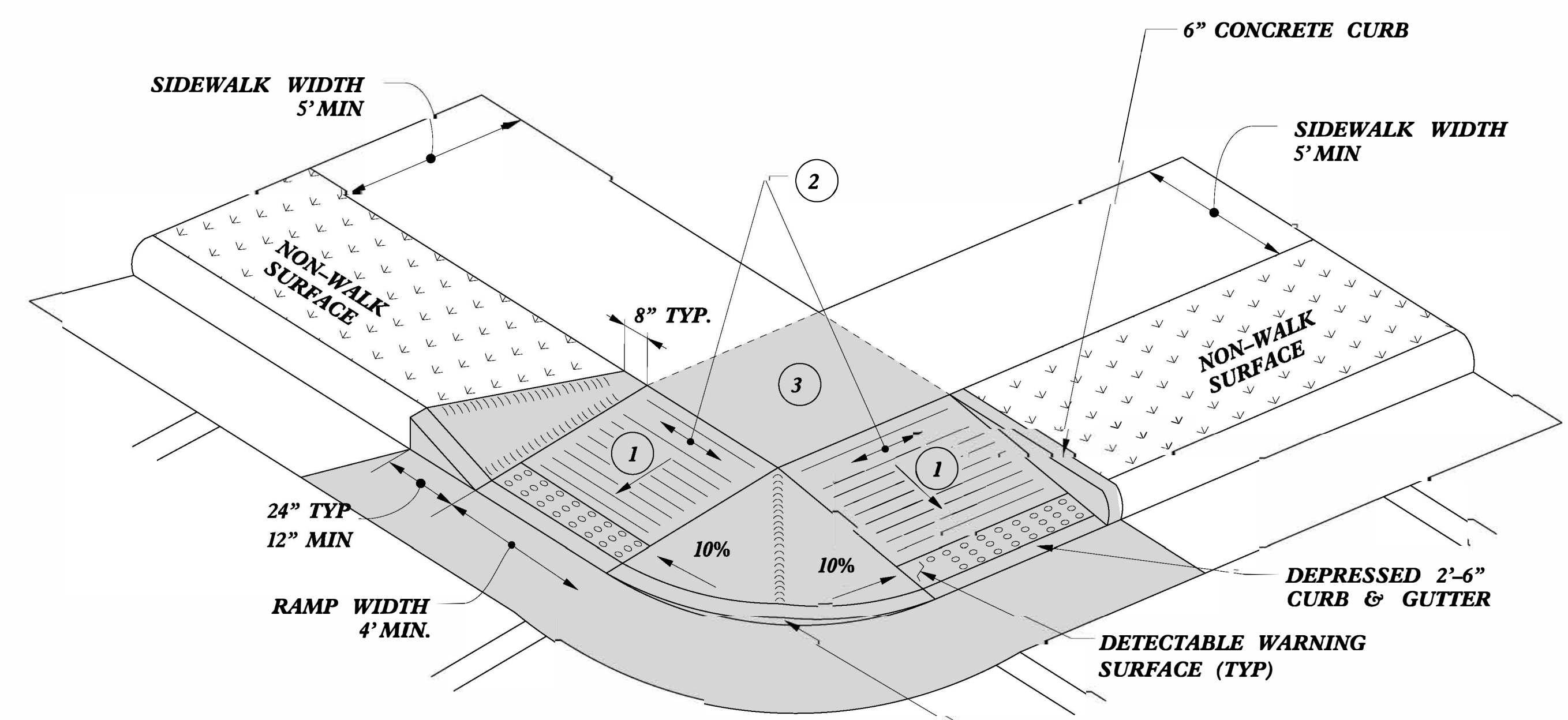
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
Parallel Ramps	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg	

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

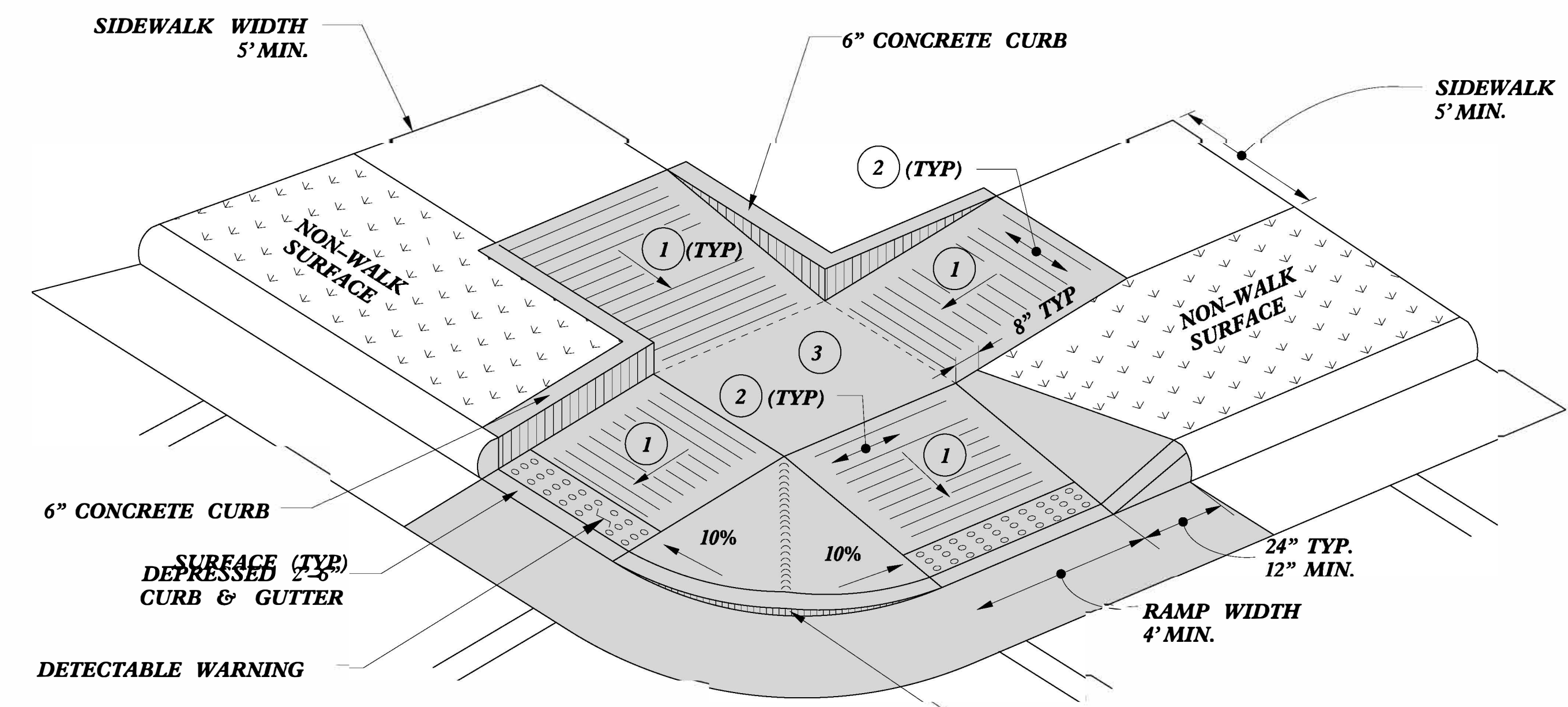
23-MAR-2012 15:07 J:\Contracts\2012\Standard Drawings\2012 Standard Drawings\Curb Ramp Special Details\Curb Ramp Details.dwg J:\Contracts\2012\Standard Drawings\Howerton\JHowerton



TYPE 4



TYPE 4A



TYPE 5

- 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.


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

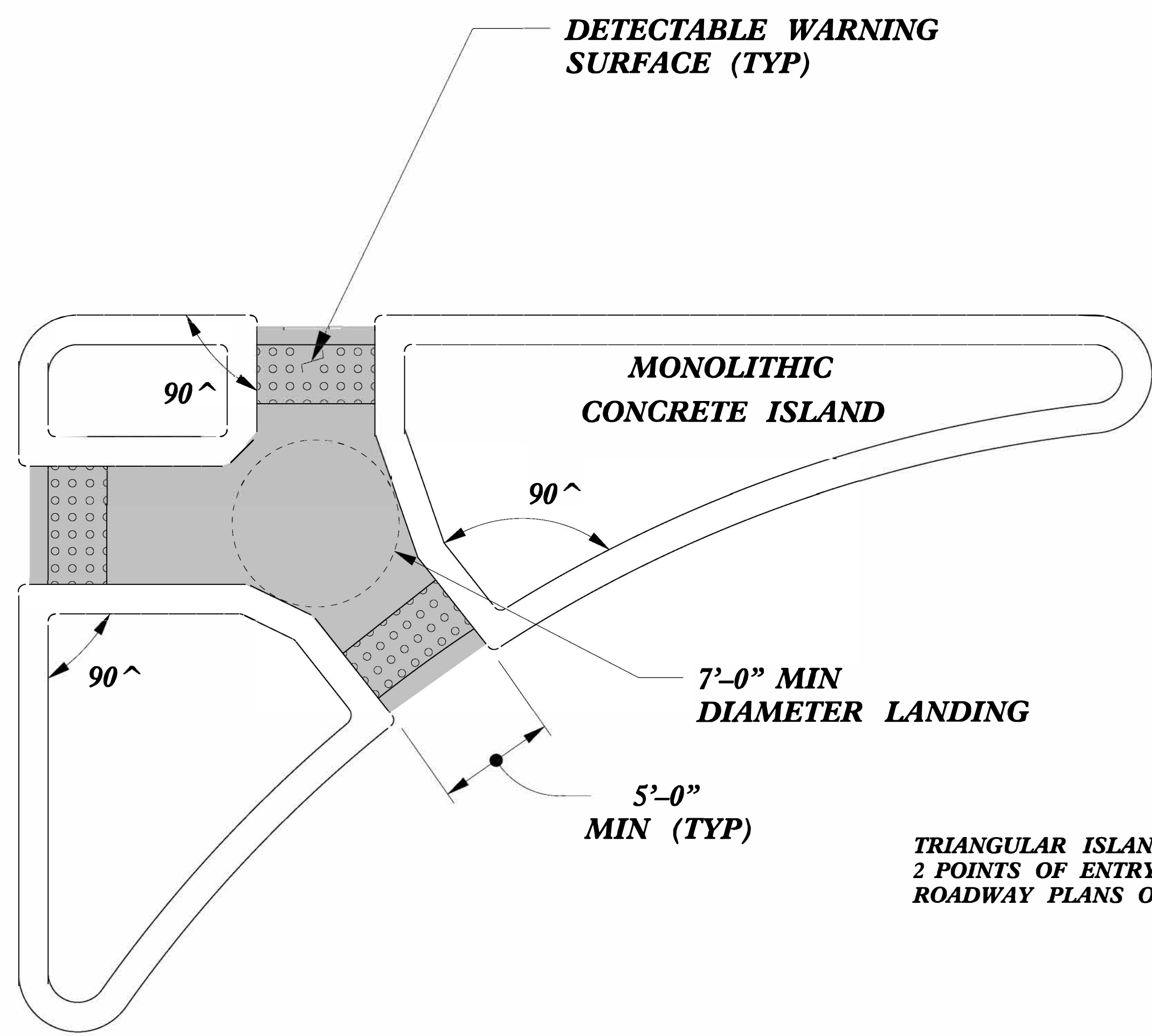
CURB RAMPS
Shared Landing

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

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

5/14/99
 1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100

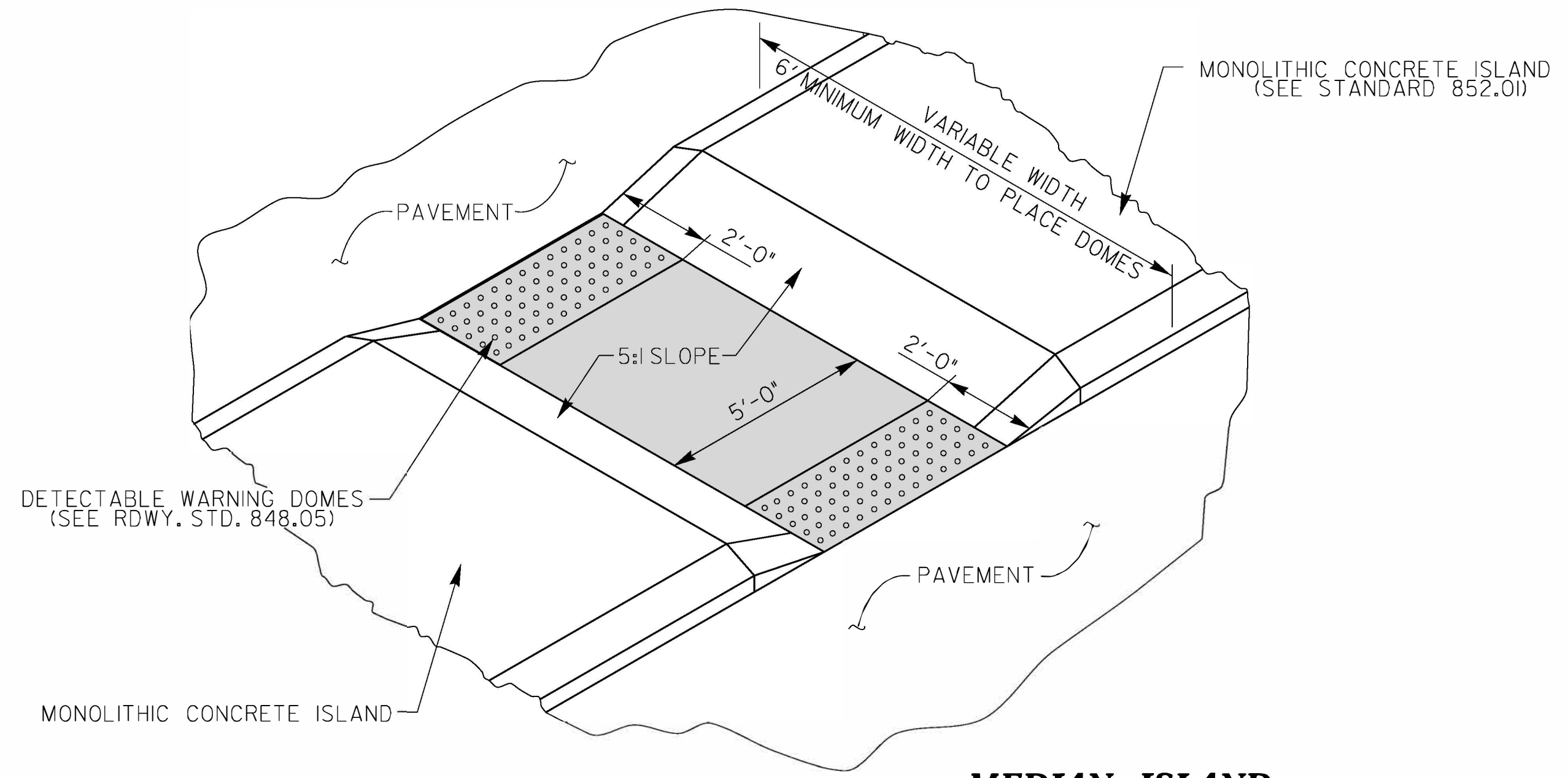
 PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF
SETS OF TRUNCATED DOMES)



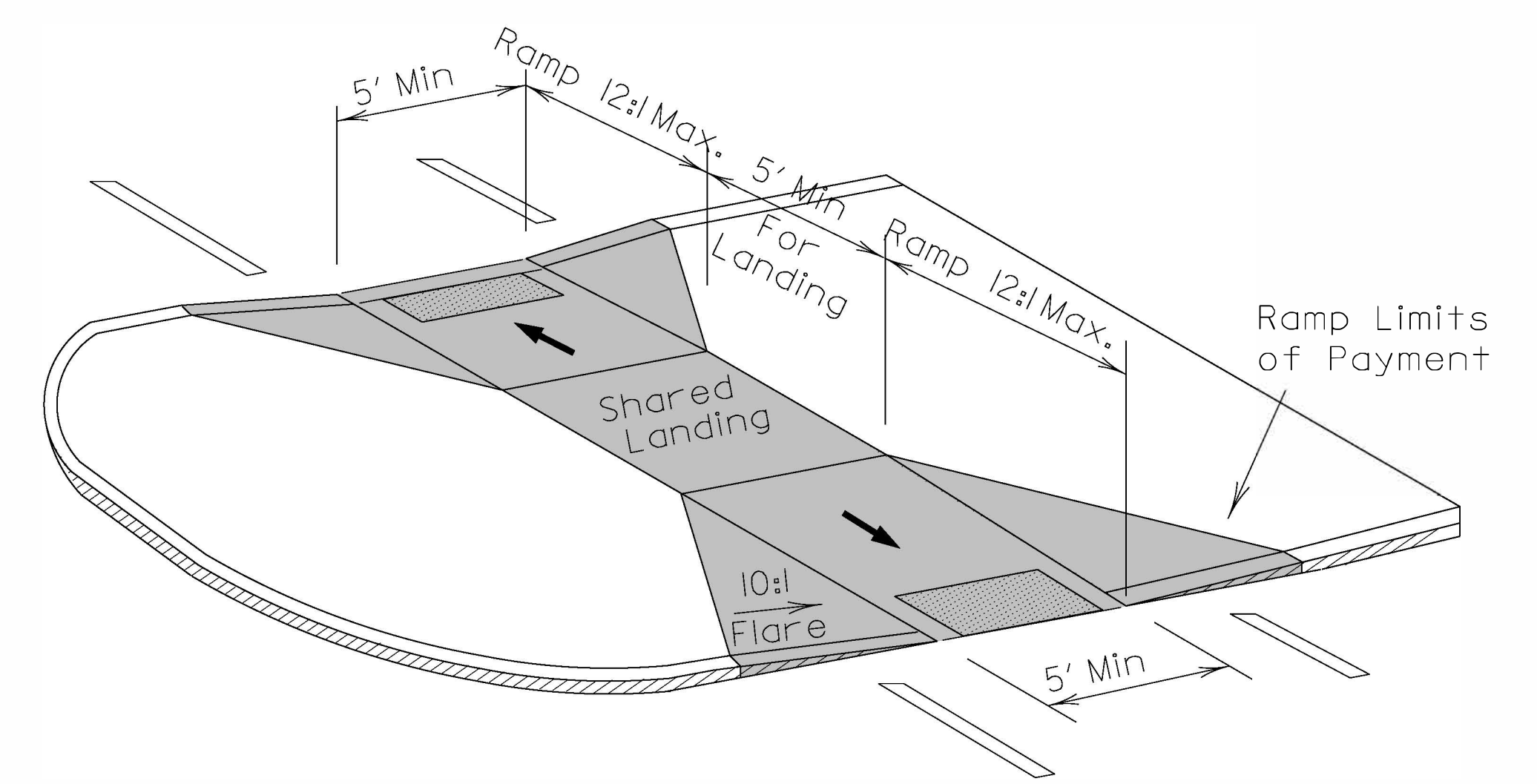
TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

TRIANGULAR ISLAND WITH CUT THROUGH

TYPE 6



MEDIAN ISLAND WITH CUT THROUGH

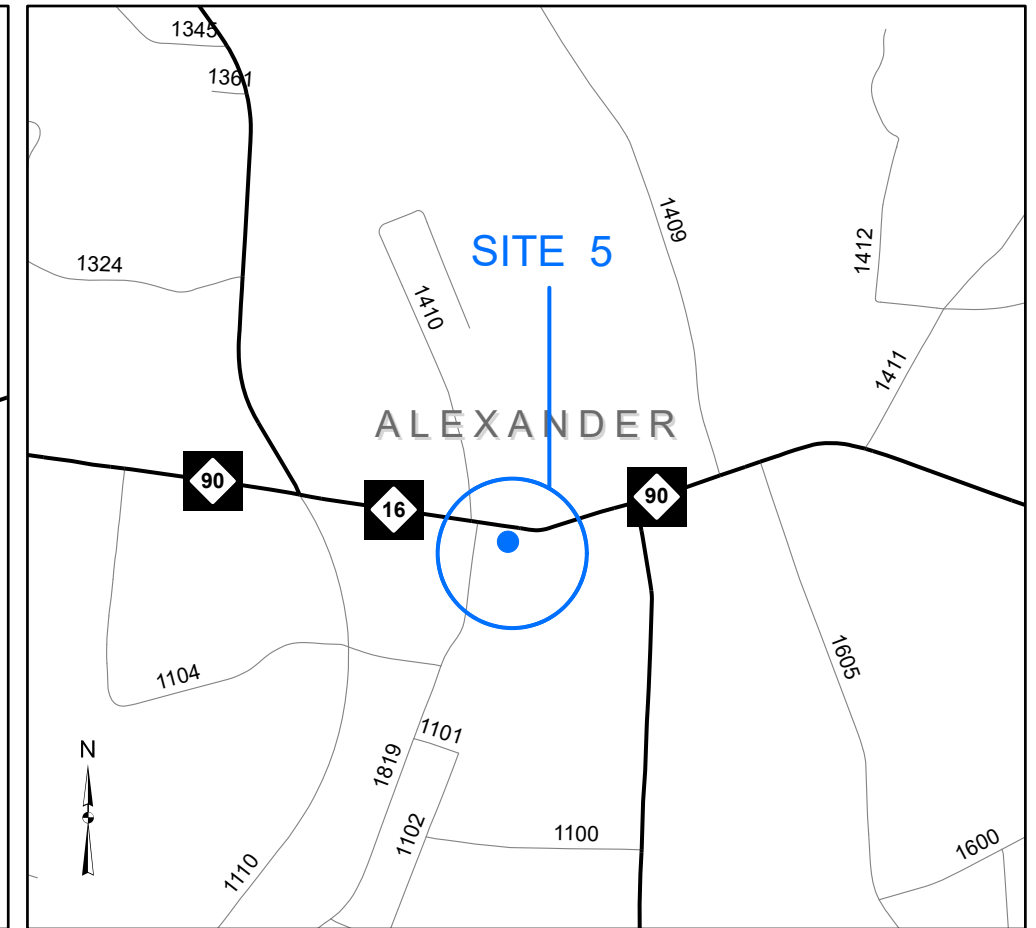
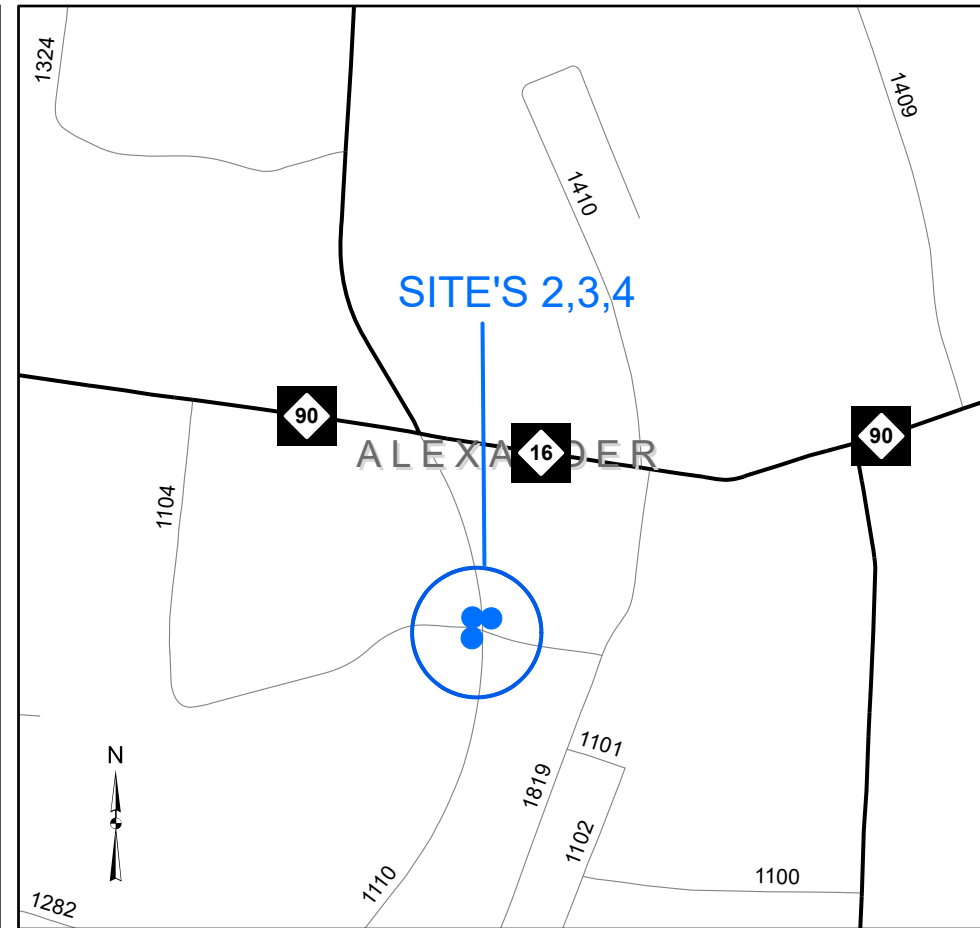
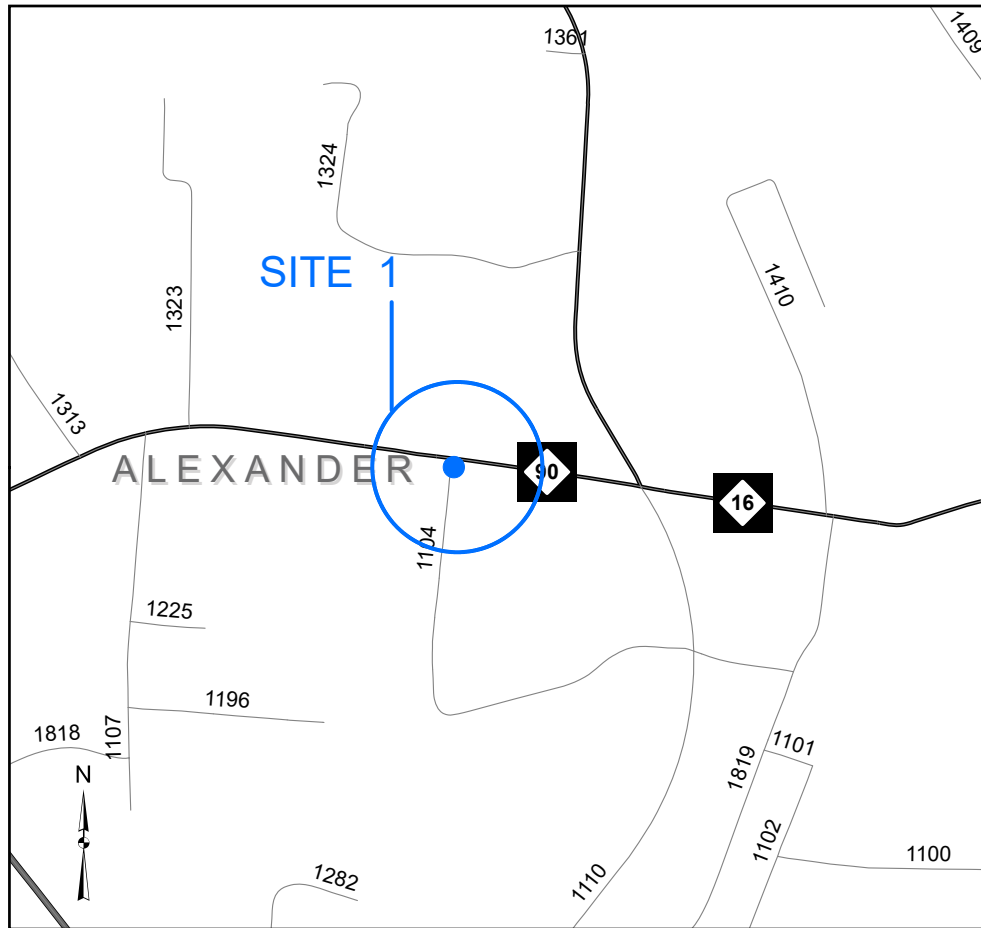


MEDIAN ISLAND CURB RAMPS

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	

5/14/99
\$\$\$\$\$USERNAME\$\$\$\$\$

SUMMARY OF QUANTITIES													Proj. #	BO-2412C_D
													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	Alexander	Taylorsville	Y	50941.3.5	NC 90	SR 1104					1	1	(1) - STD. 848.06 (1 RAMP)
4	12	Alexander	Taylorsville	Y	50941.3.5	SR 1104	SR 1110					3	2,3,4	(2) - TYPE 2B (MODIFIED); (1) - TYPE 1
4	12	Alexander	Taylorsville	Y	50941.3.5	NC 16	6th Street. SW					1	5	(1) - TYPE 1 (West Corner)
5	12	Alexander	Taylorsville	Y	50941.3.5	NC 16	Main Ave Dr.					2	6,7	(1) - TYPE 1B (MODIFIED); (1) - TYPE 2A
5	12	Alexander	Taylorsville	Y	50941.3.5	NC 16	1st Ave. SW					1	8	(1) - TYPE 2 (NW Corner)
5	12	Alexander	Taylorsville	Y	50941.3.5	SR 1411	Town Aly					2	9,10	(1) - TYPE 848.06 (1 RAMP); (1) - TYPE 1
6	12	Alexander	Taylorsville	Y	50941.3.5	NC 90	June Bug Loop (West End)					1	11	(1) - TYPE 1
6	12	Alexander	Taylorsville	Y	50941.3.5	SR 1605	Main Ave Dr.					4	12,13,14,15	(2) - TYPE 2A; (1) - 848.06 (1 RAMP); (1) - TYPE 4A (1 RAMP)
6	12	Alexander	Taylorsville	Y	50941.3.5	SR 1605	1st Ave SW					4	16,17,18,19	(4) - TYPE 1
7	12	Alexander	Taylorsville	Y	50941.3.5	SR 1605	1st Ave Dr. SE					2	20,21	(1) - TYPE 1A; (1) - TYPE 1
7	12	Alexander	Taylorsville	Y	50941.3.5	SR 1605	2nd Ave SE					2	22,23	(2) - TYPE 1
7	12	Alexander	Taylorsville	Y	50941.3.5	SR 1605	3rd Ave SE/SW					4	24,25,26,27	(4) - TYPE 1
8	12	Iredell	Troutman	Y	50941.3.6	SR 3151	SR 3152					1	28	(1) - STD. 848.06 (1 RAMP)
8	12	Iredell	Harmony	Y	50941.3.6	SR 1840	SR 1842					3	29,30,31	(1) - TYPE 2A; (1) - TYPE 1; (1) - TYPE 1A
								0	0	0	0	31		



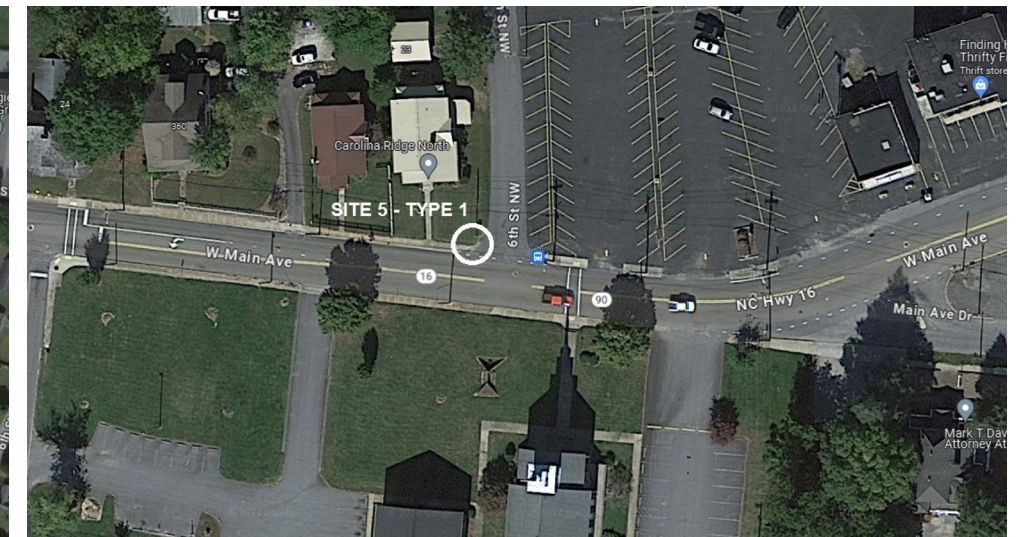
ALEXANDER COUNTY
WBS# BO-2412C



NC 90 @ SR 1104

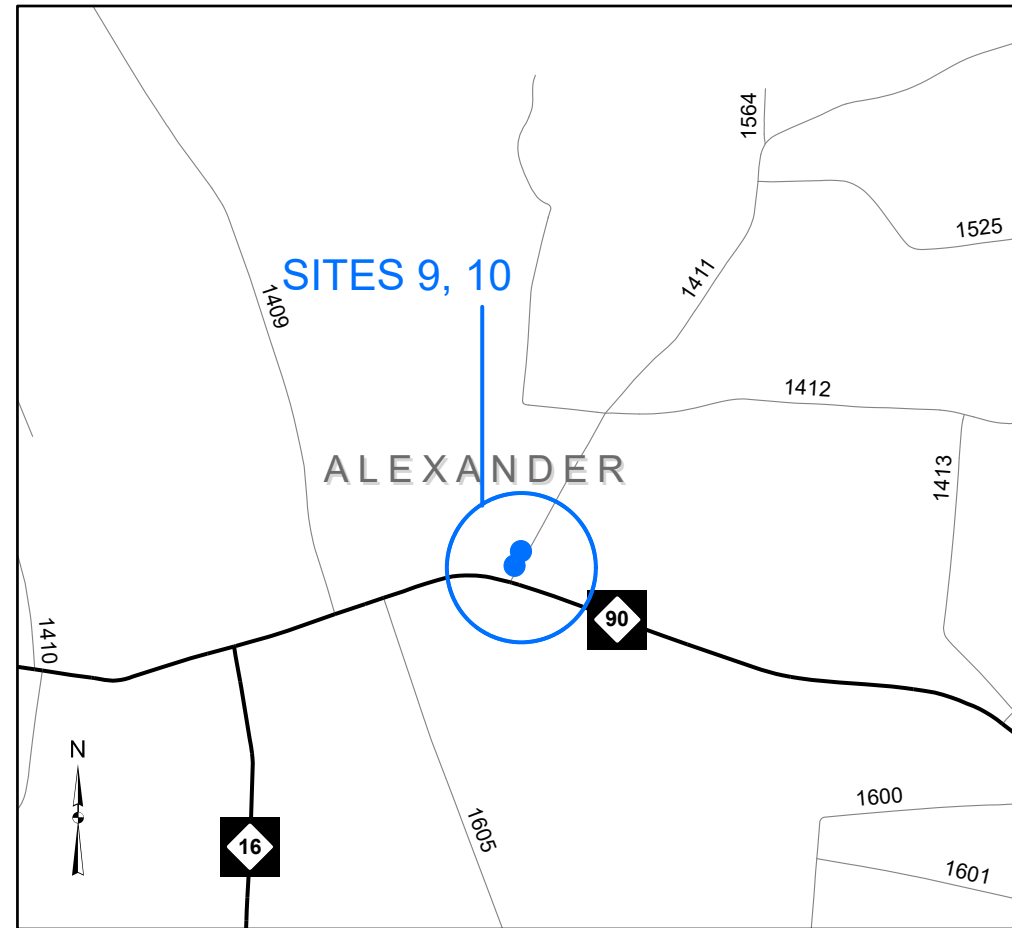
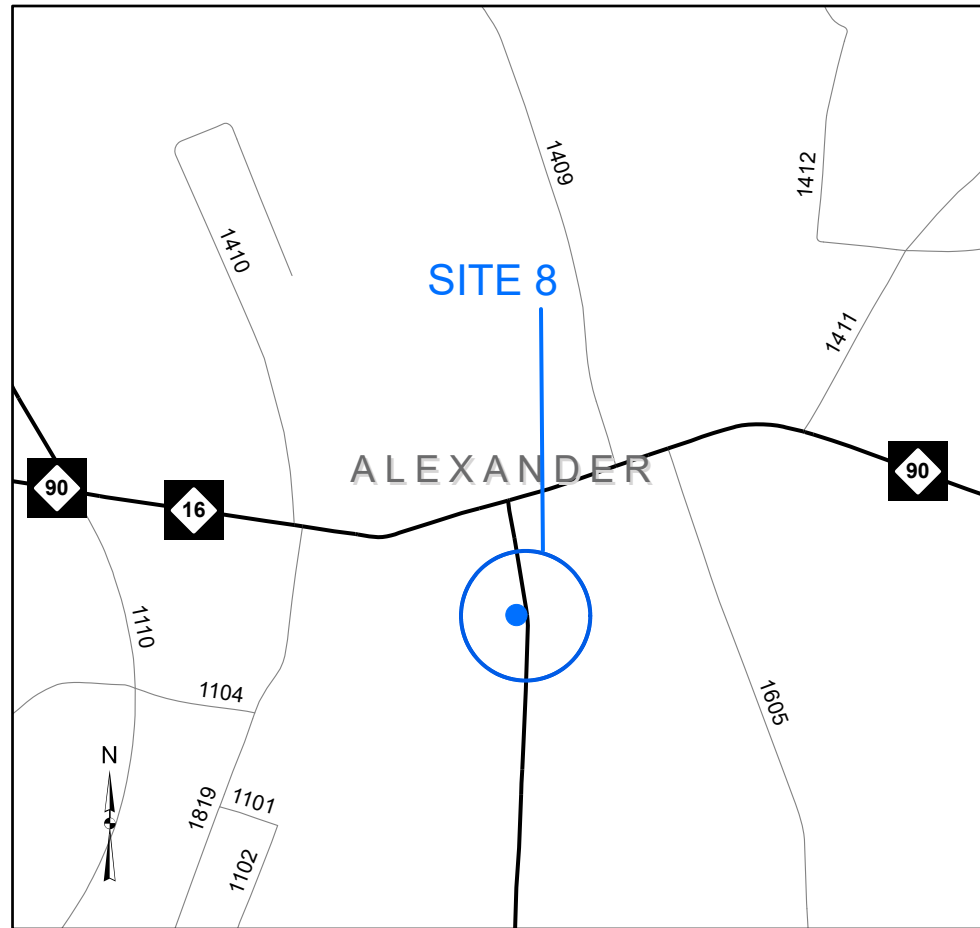
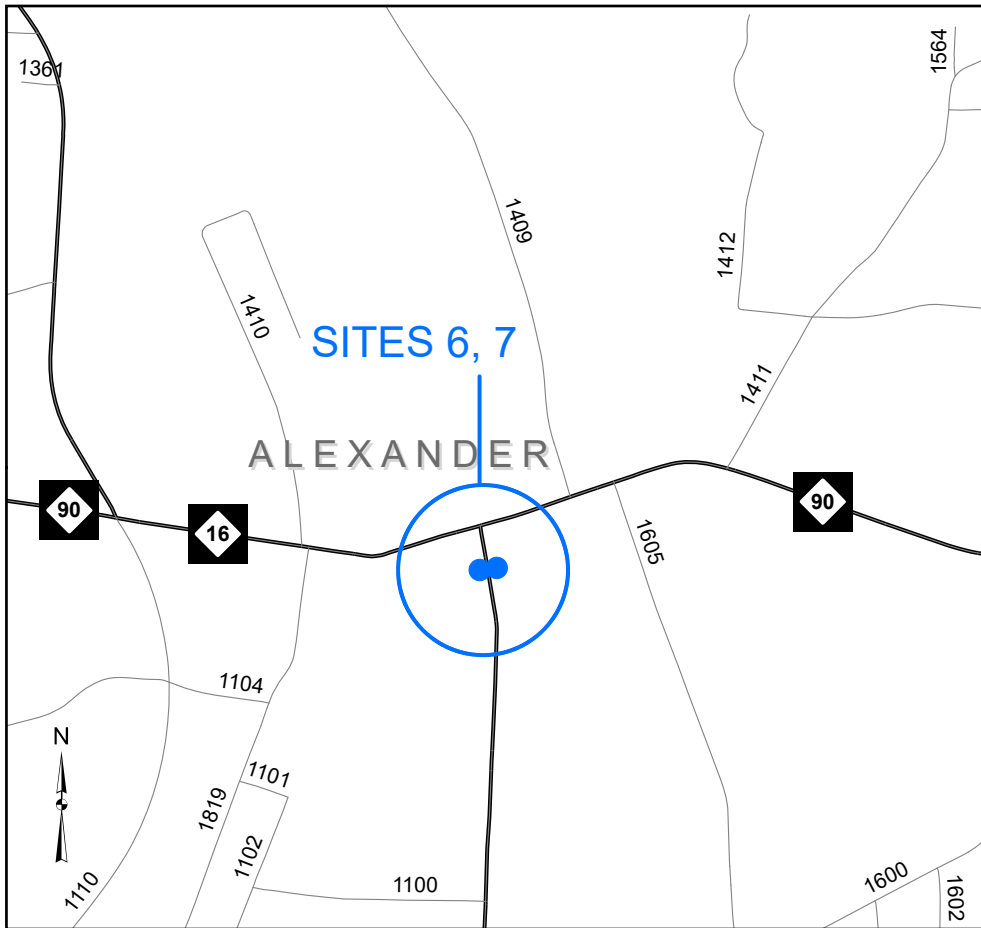


SR 1104 @ SR 1110



NC 16 @ 6th STREET SW

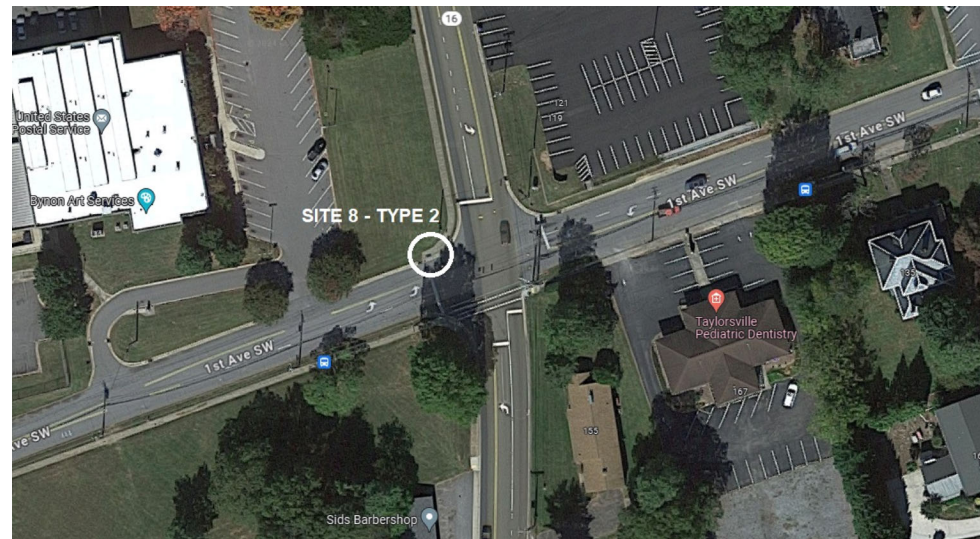




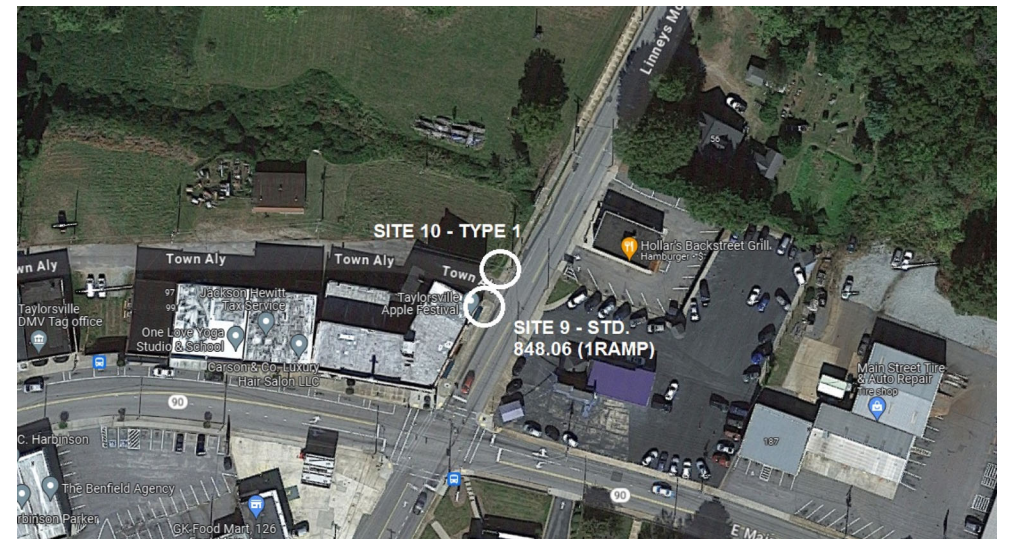
ALEXANDER COUNTY
WBS# BO-2412C



NC 16 @ MAIN AVE. DR.

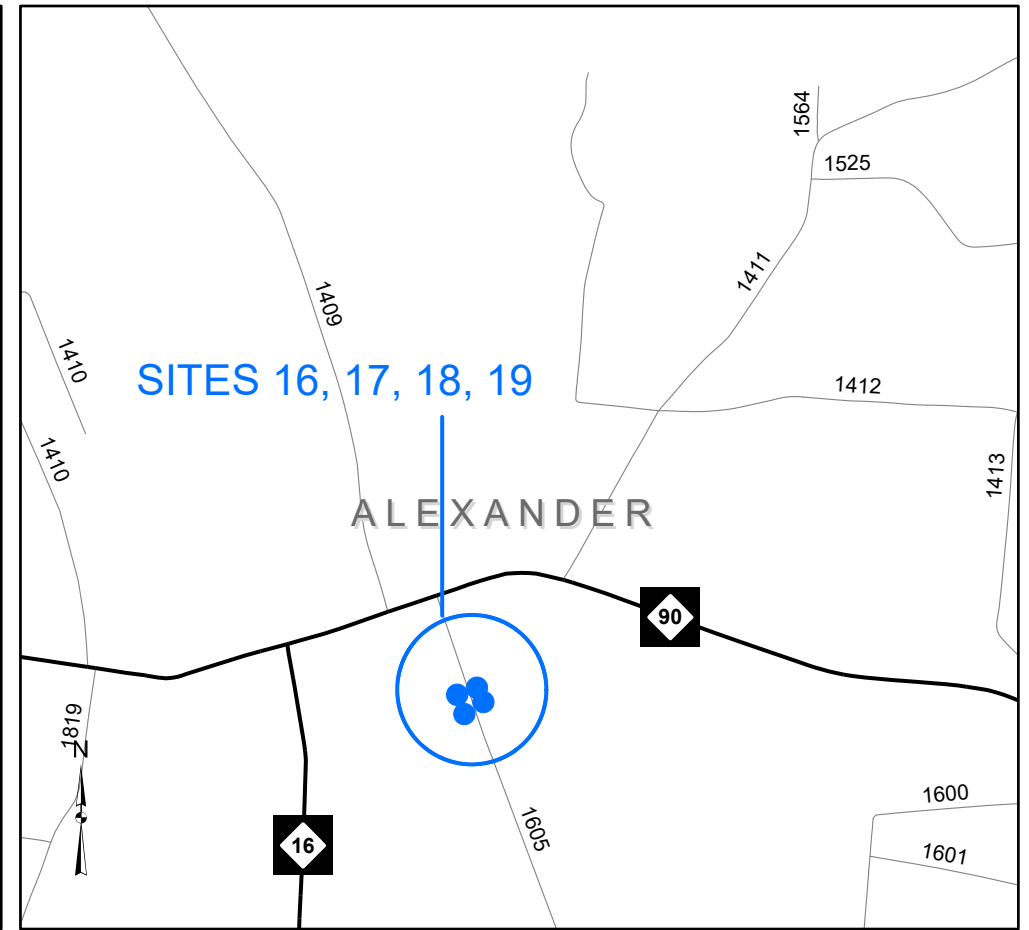
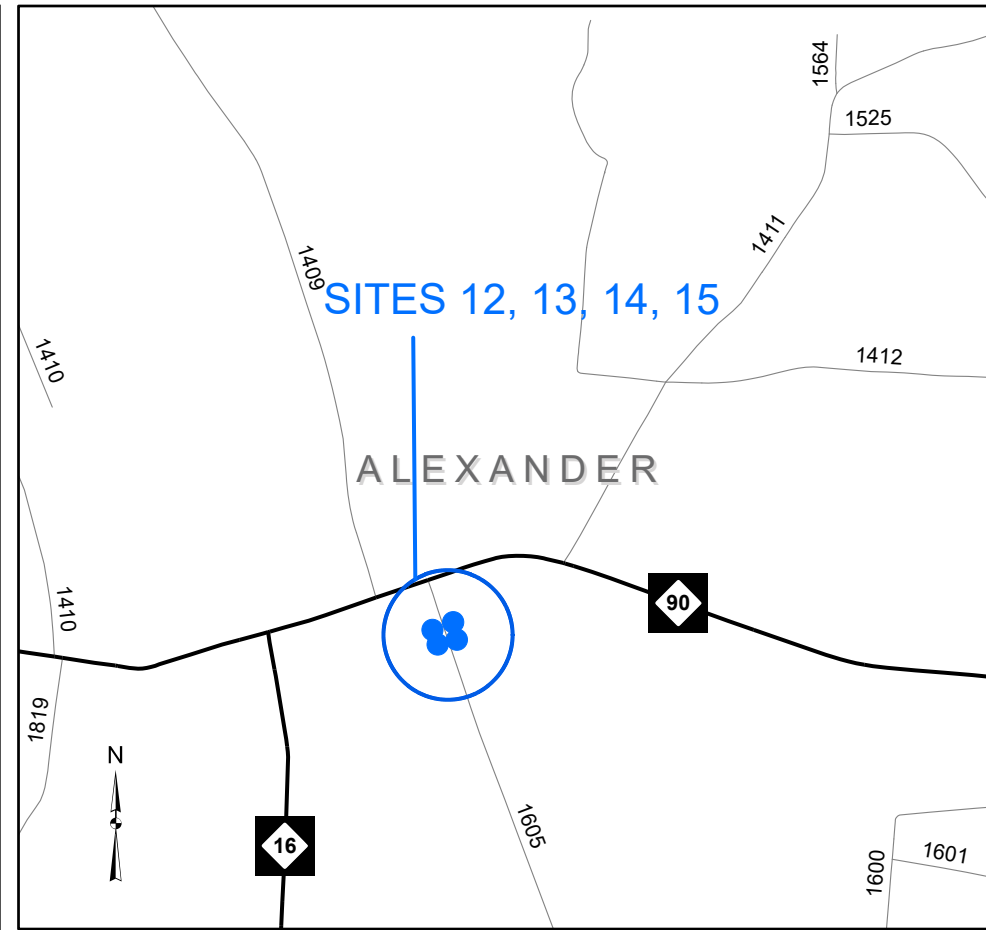
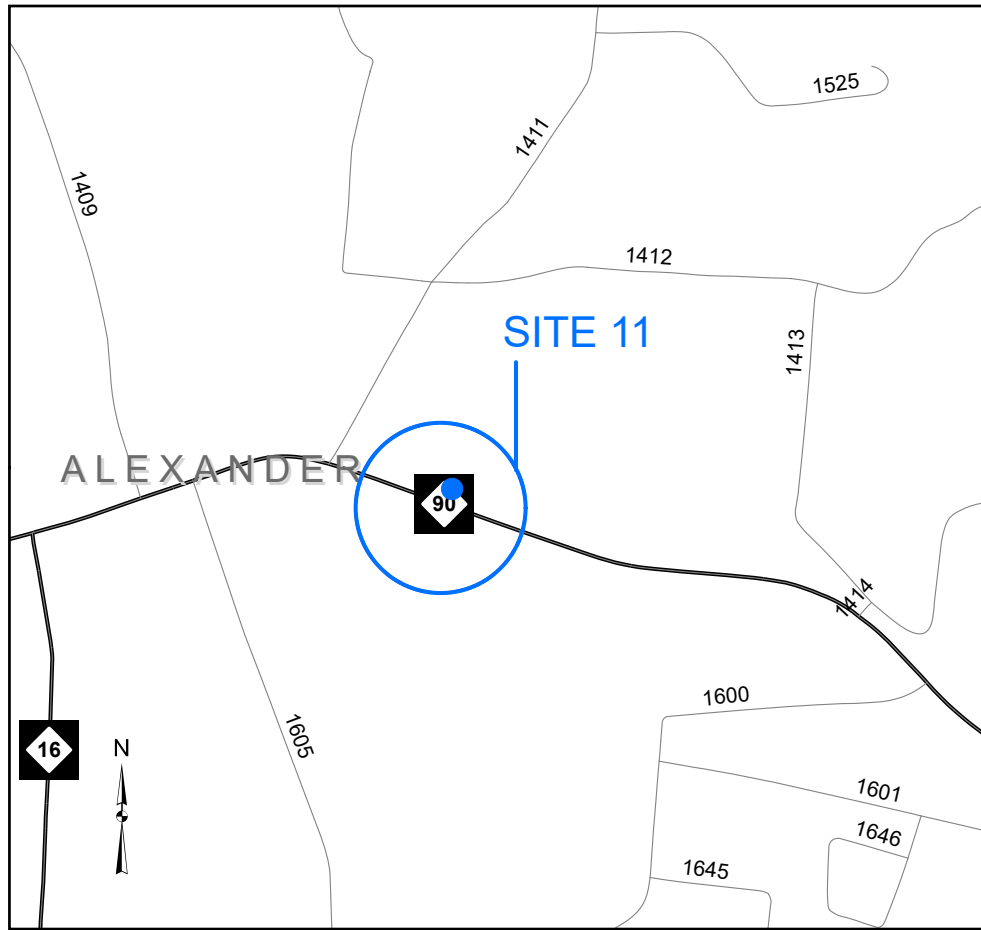


NC 16 @ 1ST AVE. SW

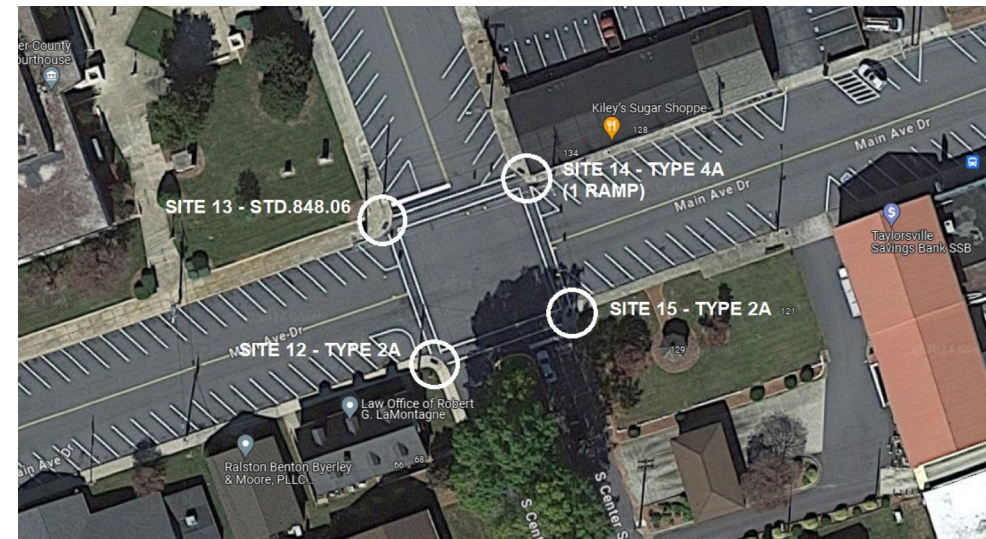


SR 1411 @ TOWN ALY

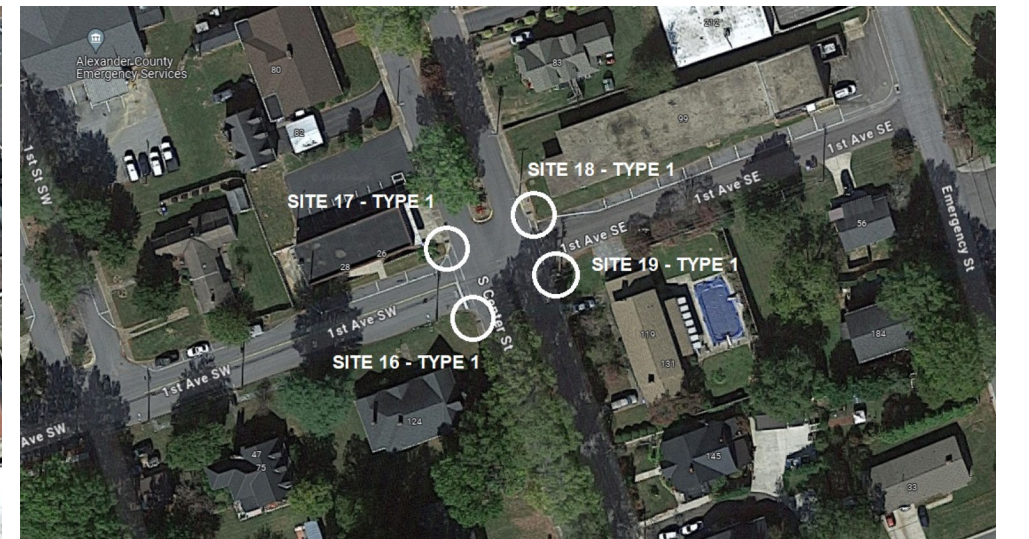




NC 90 @ JUNE BUG LOOP (WEST END)

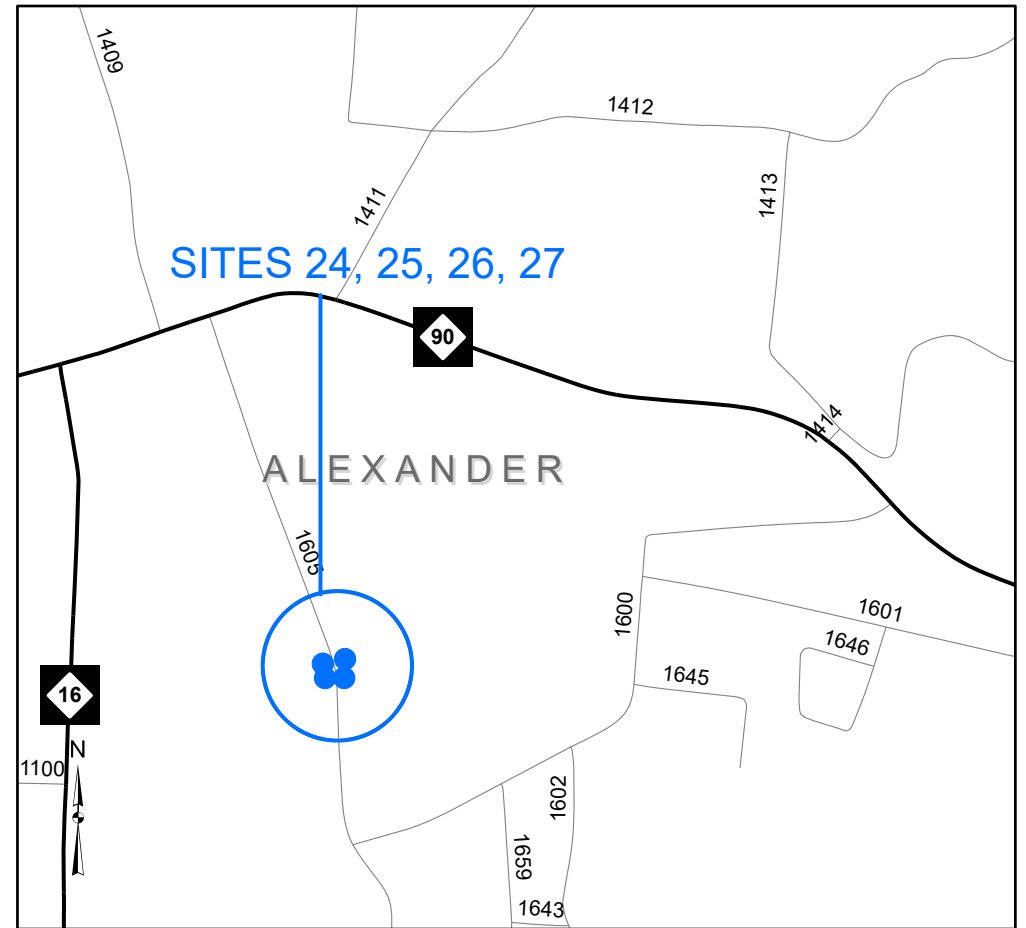
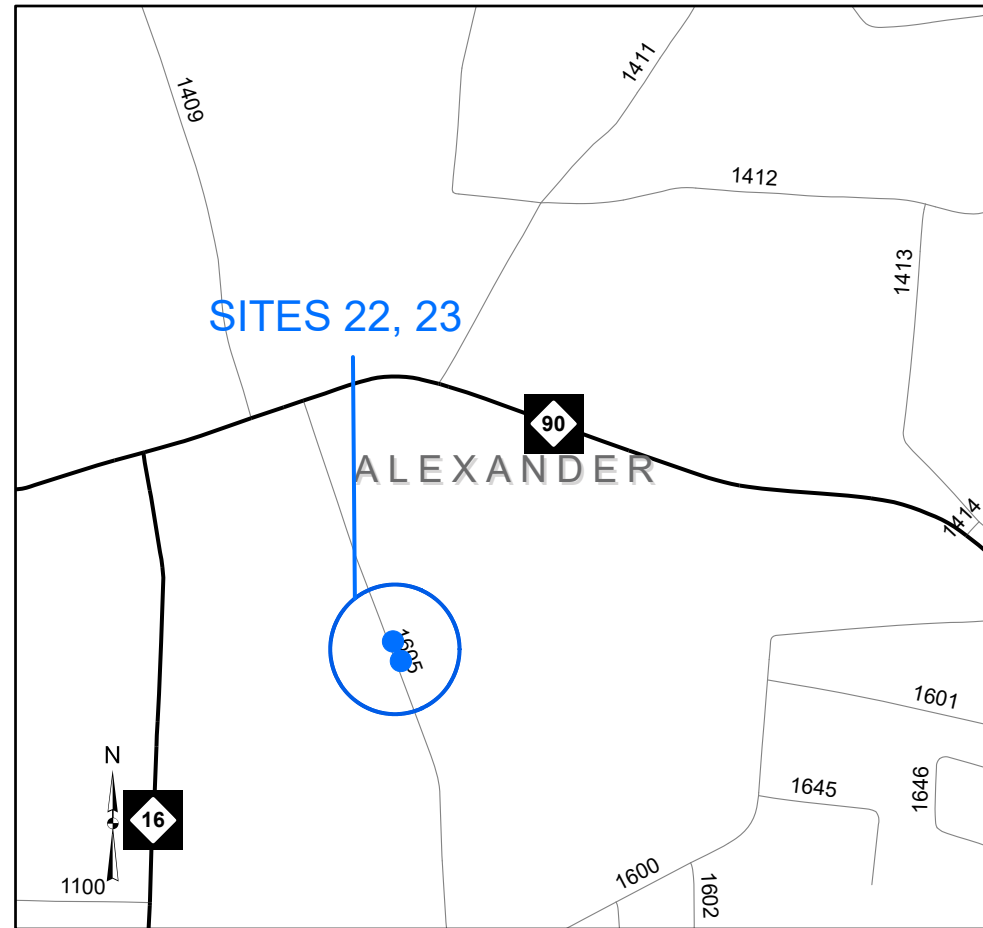
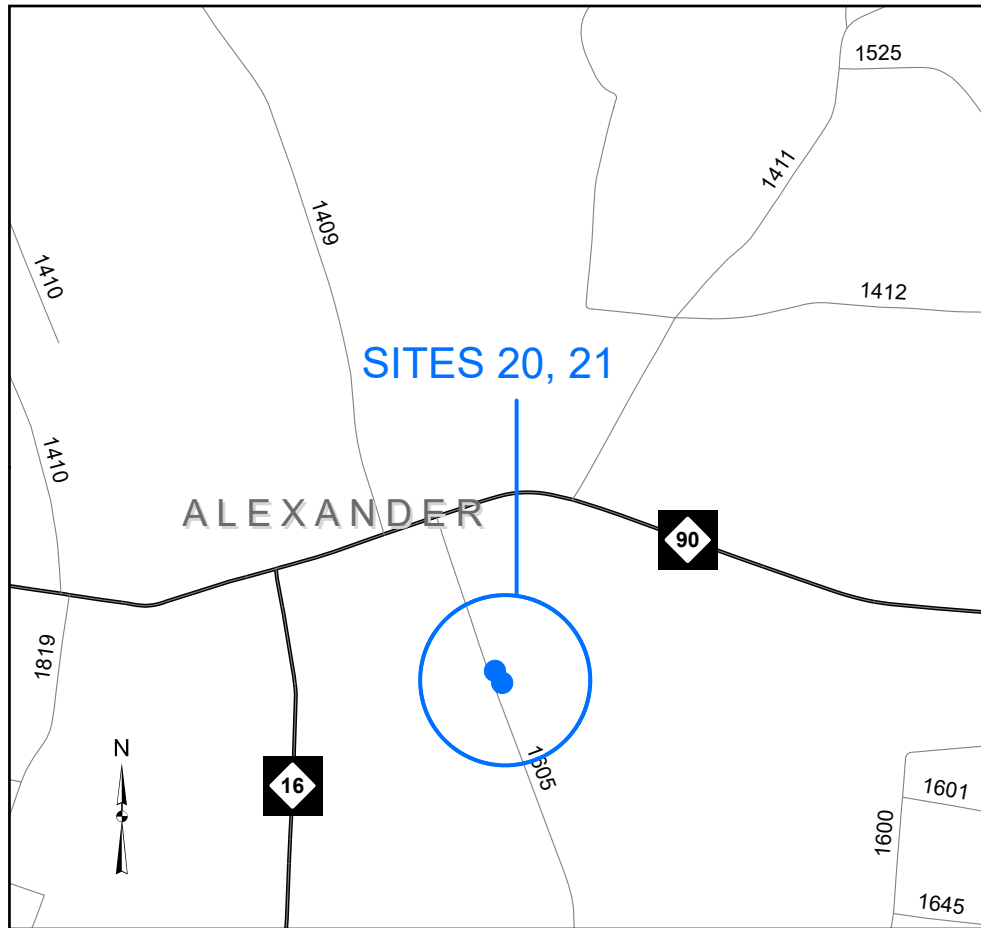


SR 1605 @ MAIN AVE. DR.

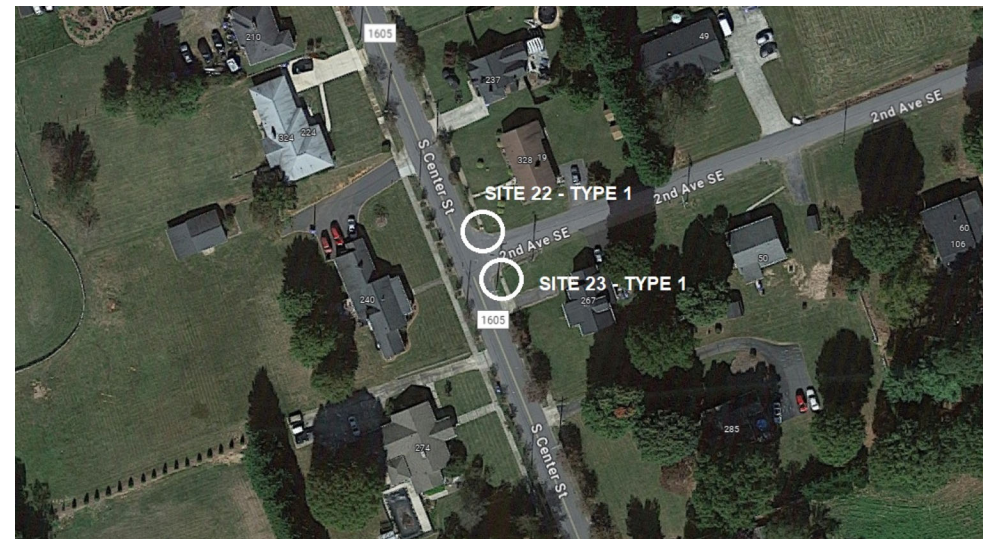


SR 1605 @ 1ST AVE, SW





SR 1605 @ 1ST AVE. DR. SE

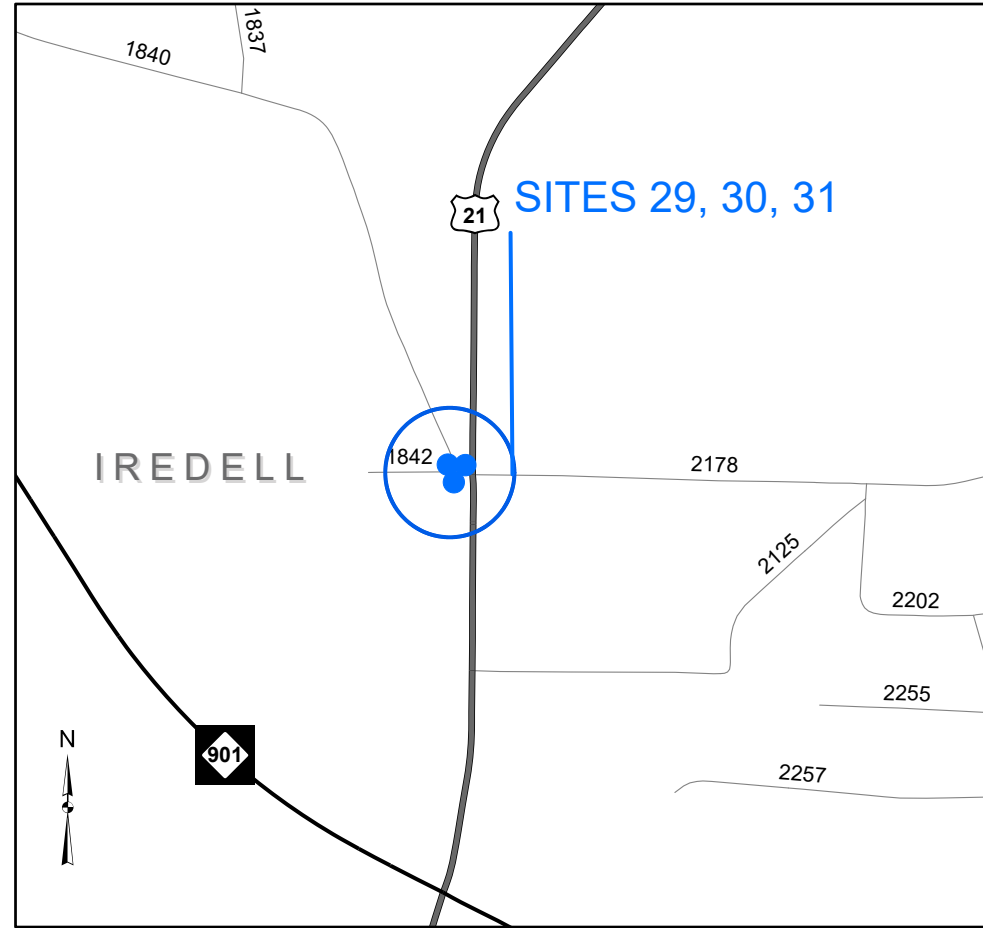
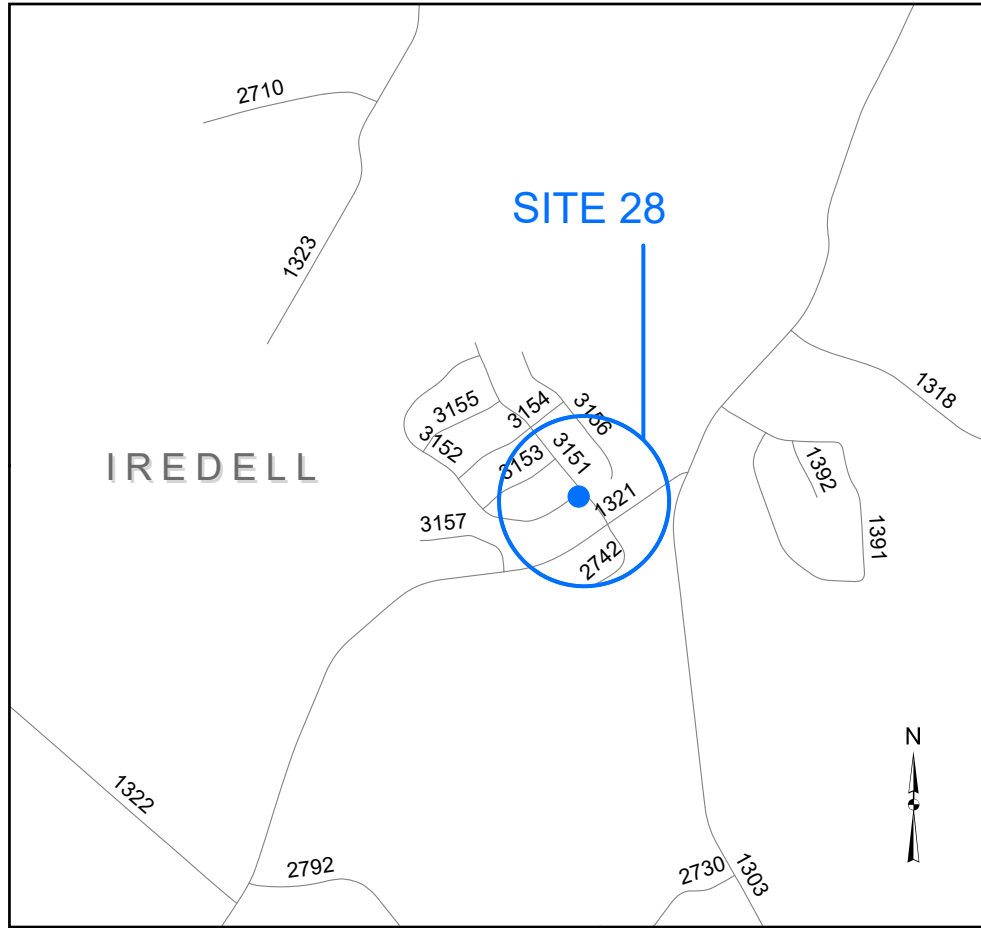


SR 1605 @ 2ND AVE. SE

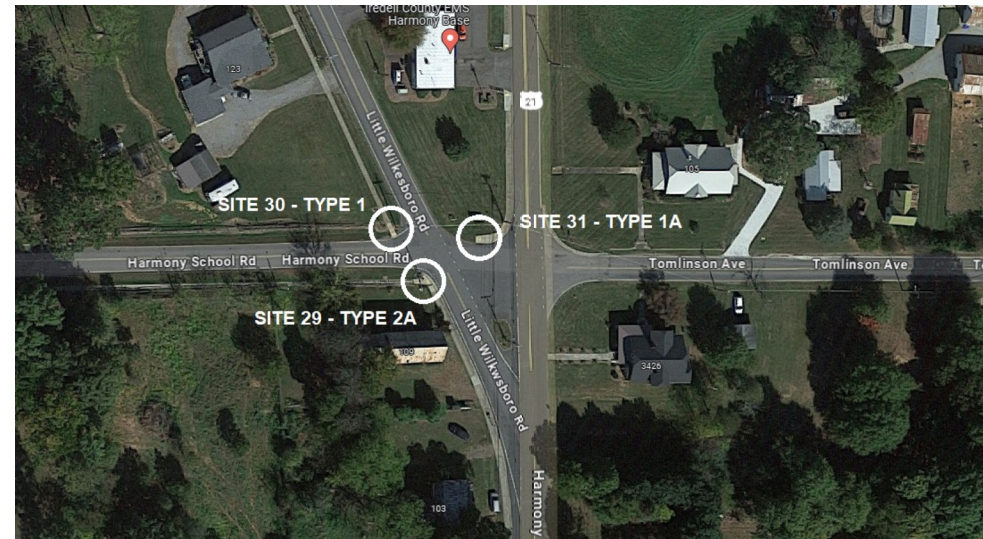


SR 1605 @ 1RD AVE. SE/SW





SR 3151 @ SR 3152



SR 1840 @ SR 1842

