

07/17/2019

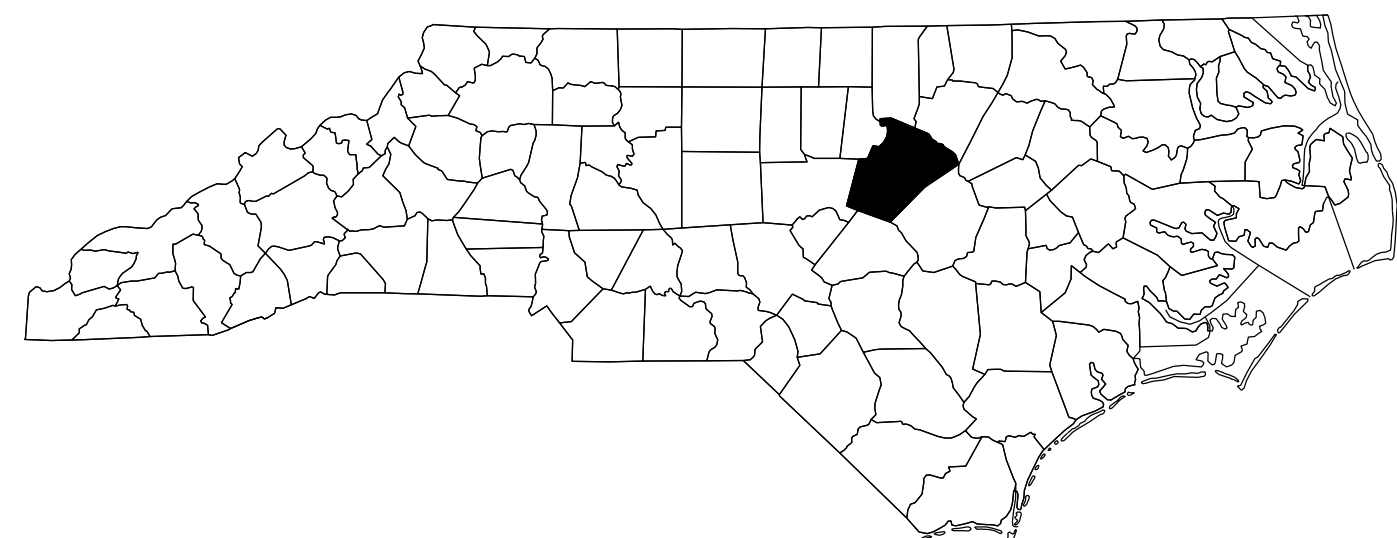
CONTRACT: DE00323 TIP PROJECT: R-5785H

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

***DIVISIONWIDE***

**LOCATION: WAKE COUNTY**

**TYPE OF WORK: CURB RAMP INSTALLATIONS**



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5785H	1	25
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44915.1.1		PE	
44915.3.14	TAP-0505(107)	CON	

**PROJECT LENGTH**

LENGTH OF ROADWAY TIP PROJECT R-5785H = APPROX 0.5 MILES  
TOTAL LENGTH TIP PROJECT R-5785H = APPROX 0.5 MILES

Prepared In the Office of:  
**DIVISION OF HIGHWAYS**  
1000 Birch Ridge Dr., Raleigh NC, 27610

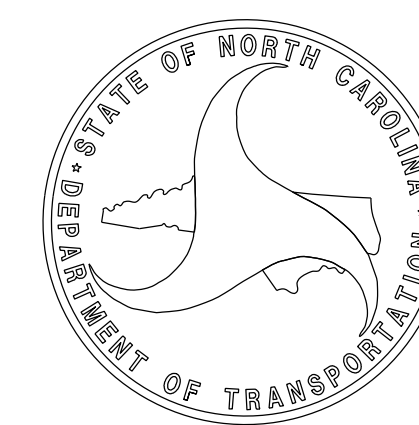
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:  
1/2/2022

**RANDY FINGER**  
PROJECT ENGINEER

**NV5**  
PROJECT DESIGN ENGINEER



SUMMARY OF QUANTITIES

Sheet No.
2

TIP Number:	R-5785H
WBS Number:	44915.3.14
County:	Wake

TIP Number	County	Municipality	0000100000-N	4447000000-E	4600000000-N	4600000000-N	1693000000-E	2549000000-E	2591000000-E	2738000000-E	2845000000-N	4695000000-E	4860000000-E	2600000000-N	2613000000-N	2605000000-N	2759000000-N
			Mobilization LS	Pedestrian Channelizing Devices LF	Generic Traffic Control Item - Pedestrian Transport Service EA	Generic Traffic Control Item - Audible Warning Device EA	Asphalt Plant Mix Pavement Repair TON	2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA
R-5785H	Wake	Apex						143	44	25	0	0	0	24	53	3	10
R-5785H	Wake	Cary						208	71	25	1	150	150	45	71	2	13
R-5785H	Wake	Fuquay-Varina						113	30	25	3	0	0	2	51	4	7
-	-	-	1	160	40	12	2	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>			<b>1</b>	<b>160</b>	<b>40</b>	<b>12</b>	<b>2</b>	<b>464</b>	<b>145</b>	<b>75</b>	<b>4</b>	<b>150</b>	<b>150</b>	<b>71</b>	<b>175</b>	<b>9</b>	<b>30</b>

SUMMARY OF QUANTITIES – APEX

Sheet No.
3

Municipality:	Apex
Project Number:	R-5785H
WBS Number:	44915.3.14
County:	Wake

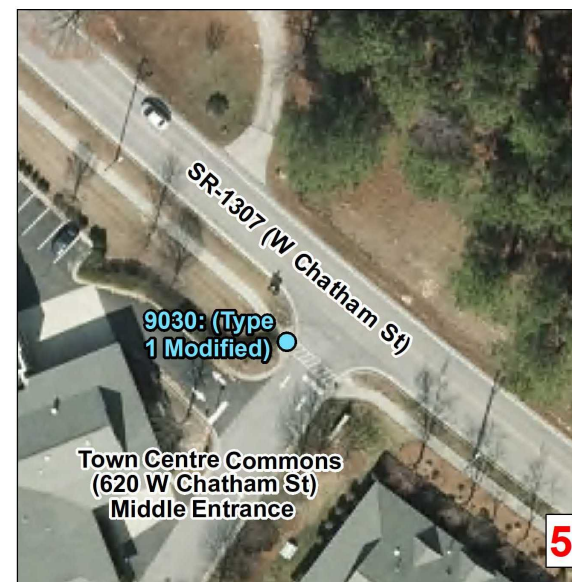
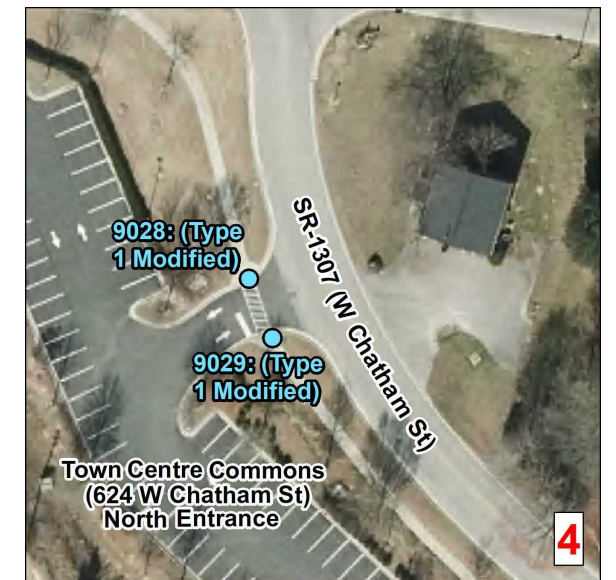
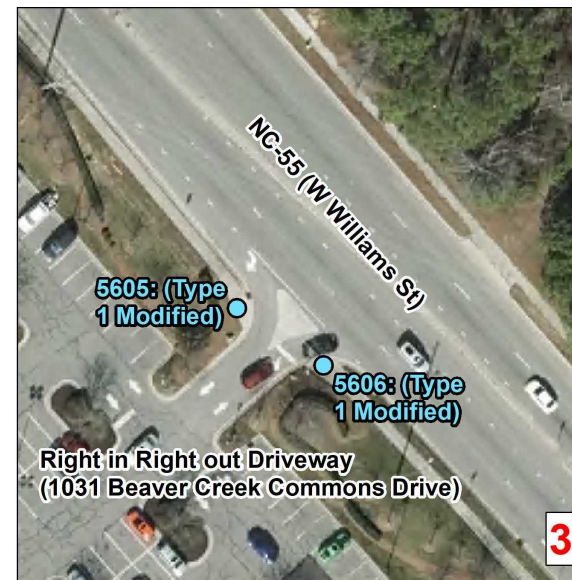
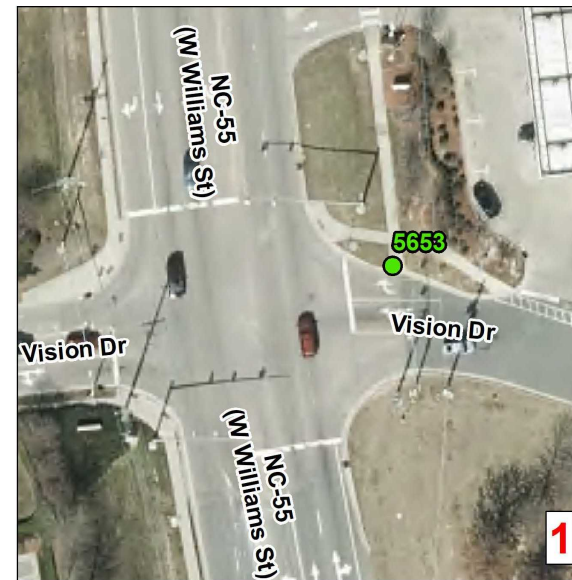
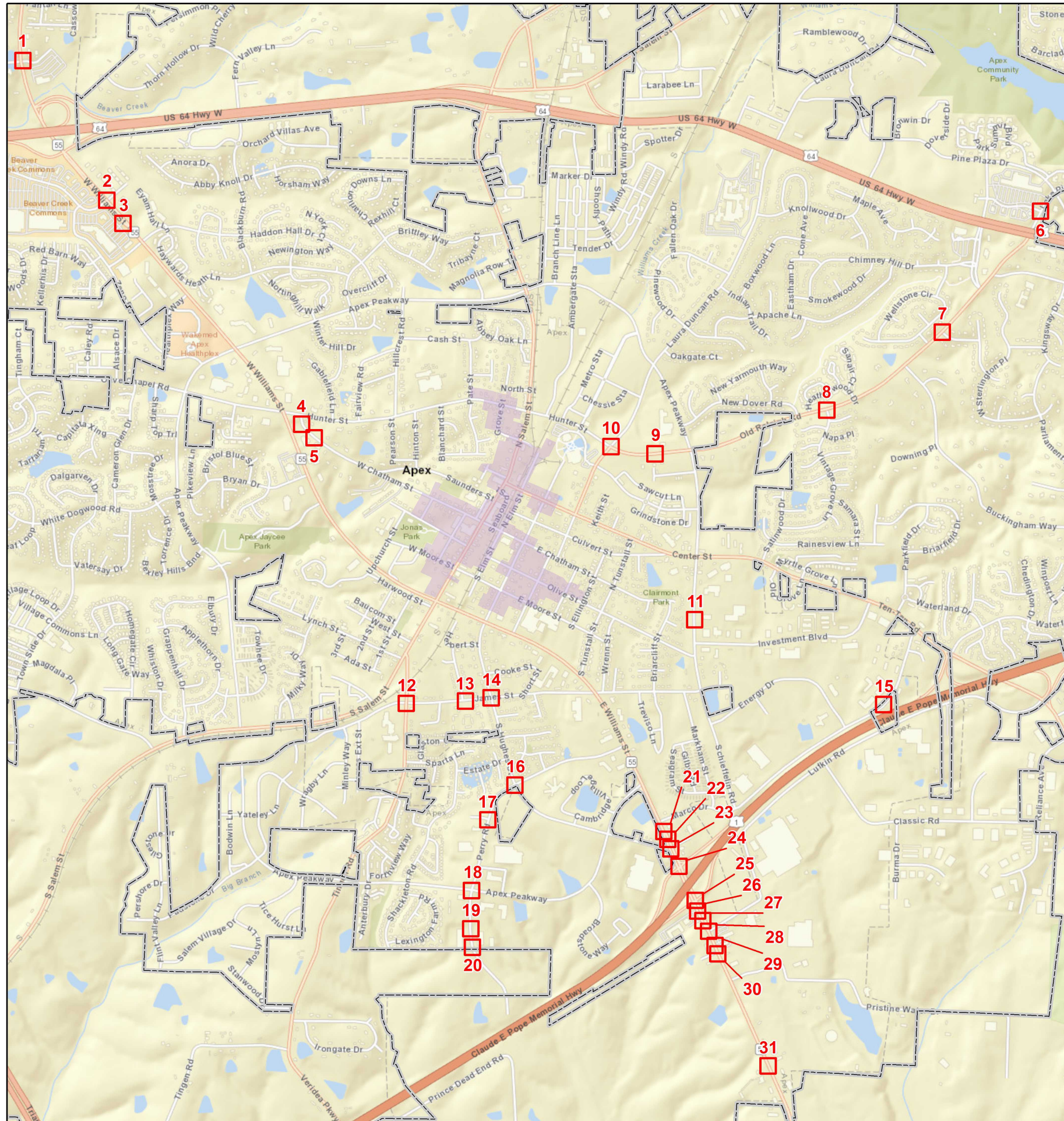
Ramp ID	Inset Map Number	Route 1	Route 2	254900000-E	259100000-E	273800000-E	284500000-N	469500000-E	486000000-E	260000000-N	261300000-N	260500000-N	275900000-N	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
5653	1	NC-55 (W Williams St)	Vision Dr	7									1	Remove Ramp
5617	2	NC-55 (W Williams St)	Pemberton Hill Rd	18	12								1	Remove Ramp
5616	2	NC-55 (W Williams St)	Pemberton Hill Rd								1			Type1B
5613	2	NC-55 (W Williams St)	Pemberton Hill Rd								1			Type1Modified
5618	2	NC-55 (W Williams St)	Pemberton Hill Rd								1			Type3
5606	3	NC 55 (E Williams St)	Right in Right out Driveway (1031 Beaver Creek Commons Drive)								1			Type1Modified
5605	3	NC-55 (W Williams St)	Right in Right out Driveway (1031 Beaver Creek Commons Drive)								1			Type1Modified
9029	4	SR-1307 (W Chatham St)	Town Centre Commons (624 W Chatham St) North Entrance								1			Type1Modified
9028	4	SR-1307 (W Chatham St)	Town Centre Commons (624 W Chatham St) North Entrance								1			Type1Modified
9030	5	SR-1307 (W Chatham St)	Town Centre Commons (620 W Chatham St) Middle Entrance								1			Type1Modified
8496	6	SR-1521 (Lake Pine Dr)	Lake Pine plaza South entrance								1			Type1Modified
8497	6	SR-1521 (Lake Pine Dr)	Lake Pine plaza South entrance								1			Type1Modified
5634	7	SR-1435 (Old Raleigh Rd)	Sterling Silver Dr								1			Type1Modified
5734	7	SR-1435 (Old Raleigh Rd)	Sterling Silver Dr								1			Type1Modified
5633	7	SR-1435 (Old Raleigh Rd)	Sterling Silver Dr	15	3								1	Remove Ramp
8476	8	SR-1435 (Old Raleigh Rd)	Vintage Grove Ln								1			Type1B
8477	8	SR-1435 (Old Raleigh Rd)	Vintage Grove Ln								1			Type1Modified
5610	9	SR-1435 (Old Raleigh Rd)	Vineyard Station / Foodlion (1199 Old Raleigh Rd) Entrance								1			Type1B
5609	9	SR-1435 (Old Raleigh Rd)	Vineyard Station / Foodlion (1199 Old Raleigh Rd) Entrance								1			Type1Modified
5604	10	SR-1435 (Old Raleigh Rd)	Laura Duncan Rd							1				RetrofitWarnings
9191	11	SR-1306 (Schieffelin Rd)	Apex Cabinet Company (1051 Schieffelin Rd) Entrance									1		Type1A
8844	12	SR-1153 (Tingen Rd)	SR-1157 (James St)							1				RetrofitWarnings
8845	12	SR-1153 (Tingen Rd)	SR-1157 (James St)								1			Type1Modified
8843	13	SR-1157 (James St)	Wake Acres Apartments (300 James St)								1			Type1B
8840	13	SR-1157 (James St)	Wake Acres Apartments (300 James St)								1			Type1Modified
8842	13	SR-1157 (James St)	Wake Acres Apartments (300 James St)								1			Type1Modified
8841	13	SR-1157 (James St)	Wake Acres Apartments (300 James St)								1			Type1Modified
8813	14	SR-1158 (S Hughes St)	SR-1157 (James St)	16	7								1	Remove Ramp
8839	14	SR-1158 (S Hughes St)	SR-1157 (James St)								1			Type1Modified
8811	14	SR-1158 (S Hughes St)	SR-1157 (James St)								1			Type1Modified
8812	14	SR-1158 (S Hughes St)	SR-1157 (James St)								1			Type3Modified
8708	15	SR-1306 (Schieffelin Rd)	Pine hill Plaza (2500 Schieffelin Rd) Entrance									1		Type1Modified
8707	15	SR-1306 (Schieffelin Rd)	Pine hill Plaza (2500 Schieffelin Rd) Entrance								1			Type1Modified
8818	16	SR-1158 (S Hughes St)	Perry Rd								1			Type2AModified
8834	16	SR-1158 (S Hughes St)	Perry Rd								1			Type2AModified
8819	16	SR-1158 (S Hughes St)	Perry Rd								1			Type3Modified
9184	17	SR-1171 (Perry Rd)	American Way	25	6								1	Remove Ramp
9183	17	SR-1171 (Perry Rd)	American Way								1			Type1Modified
9182	17	SR-1171 (Perry Rd)	American Way	18	7								1	Remove Ramp
9181	17	SR-1171 (Perry Rd)	American Way								1			Type3Modified
9186	18	SR-1171 (Perry Rd)	Apex Peakway								1			Type3Modified
23974	18	SR-1171 (Perry Rd)	Apex Peakway									1		Type4A
9185	18	SR-1171 (Perry Rd)	Apex Peakway								1			Type4A
9187	19	SR-1171 (Perry Rd)	Tucker Kirby Co. (1220 Perry Rd) North Entrance								1			Type1Modified
9188	19	SR-1171 (Perry Rd)	Tucker Kirby Co. (1220 Perry Rd) North Entrance								1			Type1Modified
9190	20	SR-1171 (Perry Rd)	Tucker Kirby Co. (1220 Perry Rd) South Entrance	7		6							1	Remove Ramp
9189	20	SR-1171 (Perry Rd)	Tucker Kirby Co. (1220 Perry Rd) South Entrance								1			Type1A
8950	21	NC-55 (E Williams St)	Los Tres Mexican Restaurant (1301 E. Williams St) Entrance								1			Type1Modified
8949	21	NC-55 (E Williams St)	Los Tres Mexican Restaurant (1301 E. Williams St) Entrance								1			Type1Modified
8948	22	NC-55 (E Williams St)	Enterprise (1303 E. Williams St) Entrance								1			Type1Modified
8947	22	NC-55 (E Williams St)	Enterprise (1303 E. Williams St) Entrance								1			Type1Modified
5468	23	NC-55 (E Williams St)	SR-1158 (S Hughes St) / Mark Weaver Ln							1				RetrofitWarnings
23847	23	NC-55 (E Williams St)	SR-1158 (S Hughes St) / Mark Weaver Ln							1				RetrofitWarnings
5482	23	NC-55 (E Williams St)	SR-1158 (S Hughes St) / Mark Weaver Ln								1			Type3
<b>Sub-Total</b>				<b>106</b>	<b>35</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>40</b>	<b>3</b>	<b>7</b>	

SUMMARY OF QUANTITIES – APEX

Municipality:	Apex
Project Number:	R-5785H
WBS Number:	44915.3.14
County:	Wake

Ramp ID	Inset Map Number	Route 1	Route 2	254900000-E	259100000-E	273800000-E	284500000-N	469500000-E	486000000-E	260000000-N	261300000-N	260500000-N	275900000-N	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
5483	23	NC-55 (E Williams St)	SR-1158 (S Hughes St) / Mark Weaver Ln								1			RetrofitWarnings
23846	23	NC-55 (E Williams St)	SR-1158 (S Hughes St) / Mark Weaver Ln								1			RetrofitWarnings
5464	24	NC-55 (E Williams St)	RMP-1244 (W Williams St To US 1 Ramp SB)								1			RetrofitWarnings
5463	24	NC-55 (E Williams St)	RMP-1242 (US 1 Exit 95 Ramp SB)								1			RetrofitWarnings
5459	24	NC-55 (E Williams St)	RMP-1244 (W Williams St To US 1 Ramp SB)								1			RetrofitWarnings
5460	24	NC-55 (E Williams St)	RMP-1243 (US 1 Exit 95 Ramp SB)								1			RetrofitWarnings
5465	24	NC-55 (E Williams St)	RMP-1244 (W Williams St To US 1 Ramp SB)									1		Type1A
5462	24	NC-55 (E Williams St)	RMP-1242 (US 1 Exit 95 Ramp SB)								1			RetrofitWarnings
5461	24	NC-55 (E Williams St)	RMP-1243 (US 1 Exit 95 Ramp SB)								1			RetrofitWarnings
5458	24	NC-55 (E Williams St)	RMP-1244 (W Williams St To US 1 Ramp SB)								1			RetrofitWarnings
5453	25	NC-55 (E Williams St)	RMP-1240 (US 1 Exit 95 Ramp NB)								1			RetrofitWarnings
5456	25	NC-55 (E Williams St)	RMP-1241 (E Williams St To US 1 Ramp NB)								1			RetrofitWarnings
5452	25	NC-55 (E Williams St)	RMP-1240 (US 1 Exit 95 Ramp NB)								1			RetrofitWarnings
5454	25	NC-55 (E Williams St)	RMP-1241 (E Williams St To US 1 Ramp NB)								1			RetrofitWarnings
5457	25	NC-55 (E Williams St)	RMP-1241 (E Williams St To US 1 Ramp NB)								1			RetrofitWarnings
5455	25	NC-55 (E Williams St)	RMP-1241 (E Williams St To US 1 Ramp NB)								1			RetrofitWarnings
5449	26	NC-55 (E Williams St)	The Point Church (1402 E Williams St) North Entrance									1		Type1Modified
5448	26	NC-55 (E Williams St)	The Point Church (1402 E Williams St) North Entrance									1		Type1Modified
5447	27	NC-55 (E Williams St)	The Point Church (1402 E Williams St) South Entrance									1		Type1Modified
5446	27	NC-55 (E Williams St)	The Point Church (1402 E Williams St) South Entrance									1		Type1Modified
5445	28	NC-55 (E Williams St)	SR-1444 (Lufkin Rd)								1			RetrofitWarnings
5442	28	NC-55 (E Williams St)	SR-1444 (Lufkin Rd)								1			RetrofitWarnings
5441	28	NC-55 (E Williams St)	SR-1444 (Lufkin Rd)								1			RetrofitWarnings
5485	28	NC-55 (E Williams St)	SR-1444 (Lufkin Rd)								1			RetrofitWarnings
23848	28	NC-55 (E Williams St)	SR-1444 (Lufkin Rd)								1			RetrofitWarnings
5439	29	NC-55 (E Williams St)	ABC Store / Comfort Inn (1415 NC-55 E Williams St) Entrance									1		Type1Modified
5440	29	NC-55 (E Williams St)	ABC Store / Comfort Inn (1415 NC-55 E Williams St) Entrance									1		Type1Modified
5484	29	NC-55 (E Williams St)	ABC Store / Comfort Inn (1415 NC-55 E Williams St) Entrance	15	9								1	Remove Ramp
5438	30	NC-55 (E Williams St)	Waffle House (1417 E Williams St) Entrance									1		Type1Modified
5436	30	NC-55 (E Williams St)	Arby's / CircleK Gas (Public Power Dr) Entrance			6						1		Type1Modified
23849	30	NC-55 (E Williams St)	Arby's / CircleK Gas (Public Power Dr) Entrance	12									1	Remove Ramp
23850	30	NC-55 (E Williams St)	Arby's / CircleK Gas (Public Power Dr) Entrance	10									1	Remove Ramp
5435	30	NC-55 (E Williams St)	Arby's / CircleK Gas (Public Power Dr) Entrance			6						1		Type1Modified
5437	30	NC-55 (E Williams St)	Waffle House (1417 E Williams St) Entrance									1		Type1Modified
5421	31	NC 55 (E Williams St)	BP Gas Station (1565 NC 55 E Williams St) Entrance									1		Type1Modified
5422	31	NC 55 (E Williams St)	BP Gas Station (1565 NC 55 E Williams St) Entrance									1		Type1Modified
-	-	-	-	-	-	7	-	-	-	-	-	-	-	
<b>Sub-Total</b>				<b>37</b>	<b>9</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>13</b>	<b>0</b>	<b>3</b>	
<b>Sub-Total for Apex</b>				<b>143</b>	<b>44</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>53</b>	<b>3</b>	<b>10</b>	



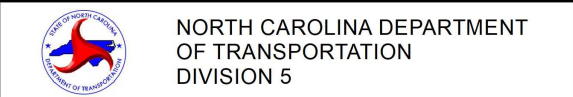


**Curb Ramps To Be Repaired**

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Municipal Boundary
- NCHPO Historic Boundary (NR and LHD)



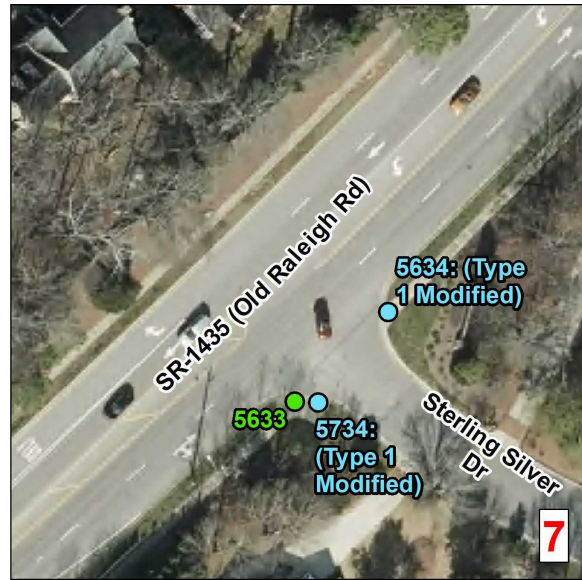
**Municipality: Apex**  
**TIP Number: R-5785H**  
**WBS Number: 44915.3.14**  
**County: Wake**







6

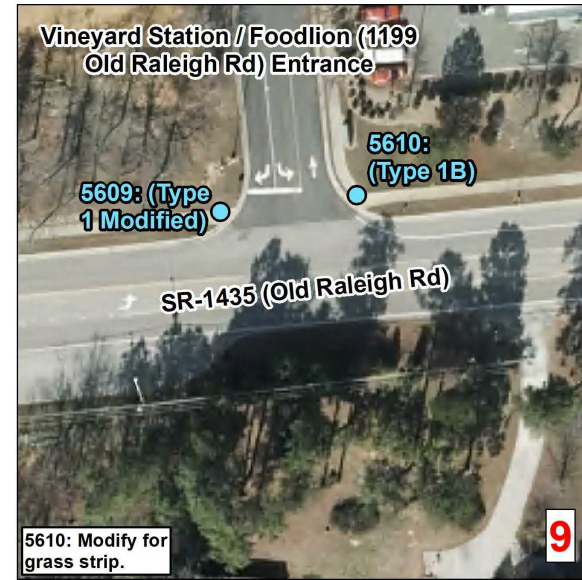


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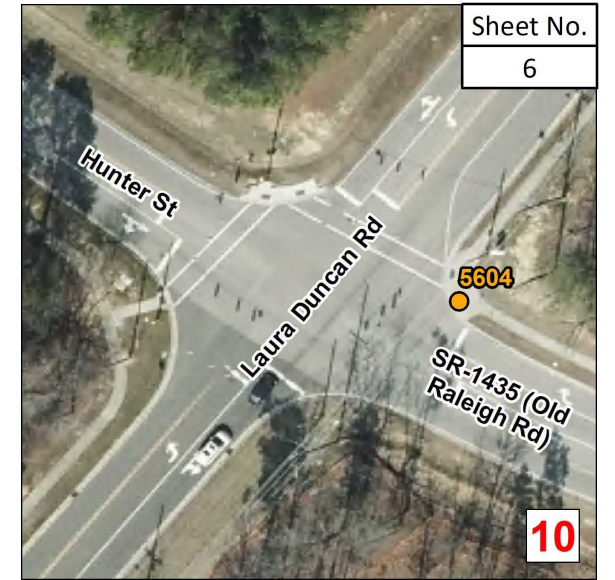
8476: Modify for grass strip.

8



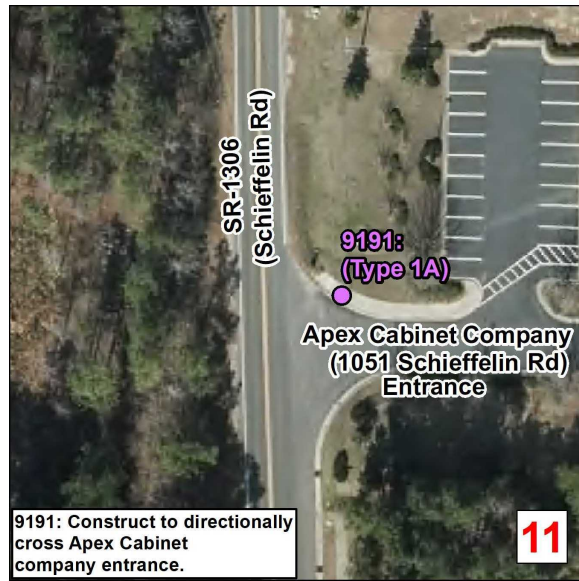
5610: Modify for grass strip.

9



Sheet No.  
6

10



9191: Construct to directionally cross Apex Cabinet company entrance.

11



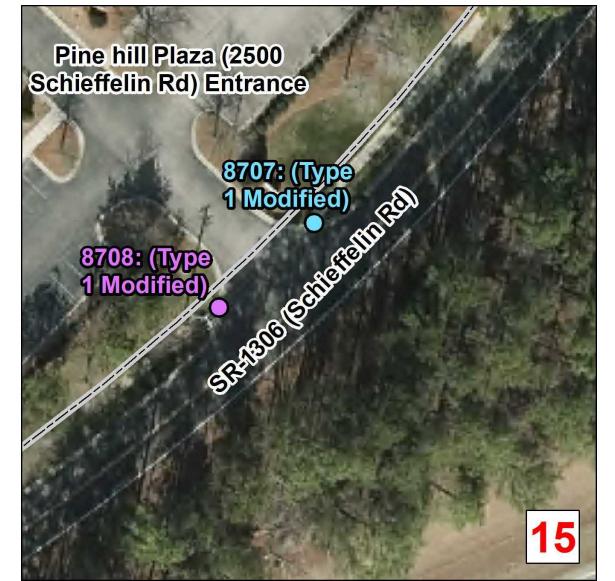
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13



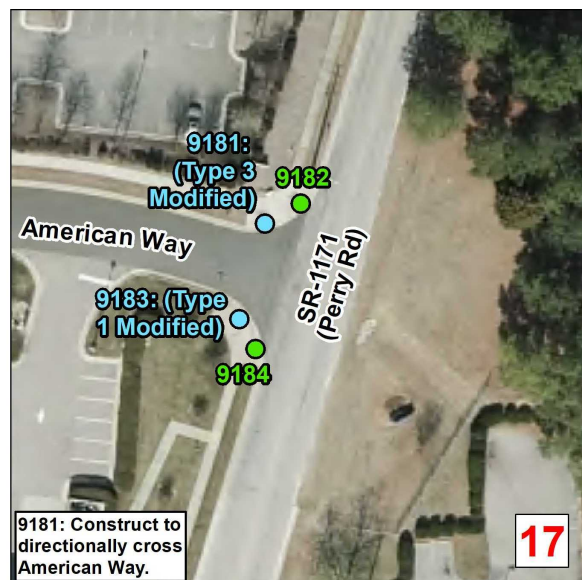
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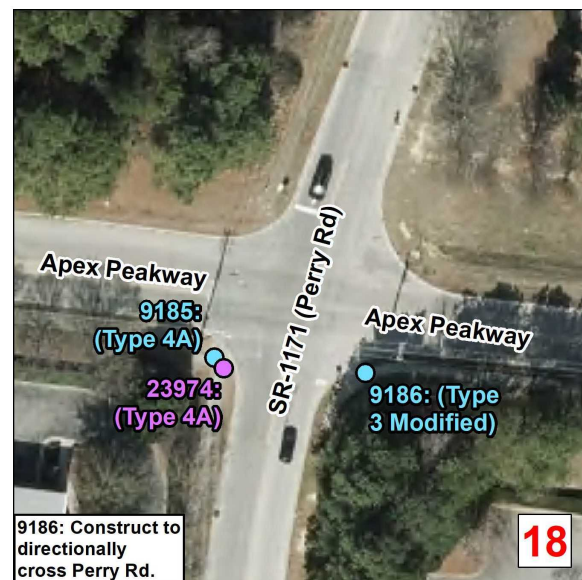


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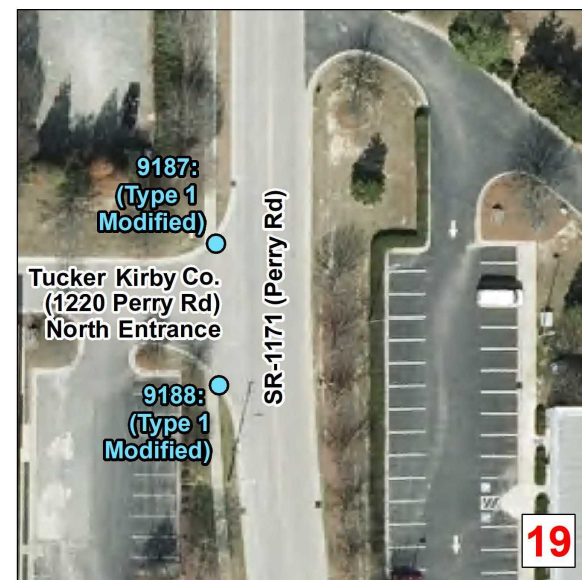
9181: Construct to directionally cross American Way.

17



9186: Construct to directionally cross Perry Rd.

18



19

**Curb Ramps To Be Repaired**

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp

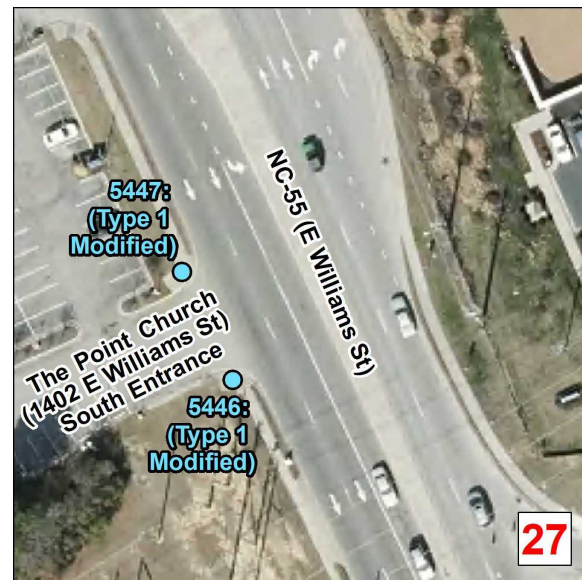
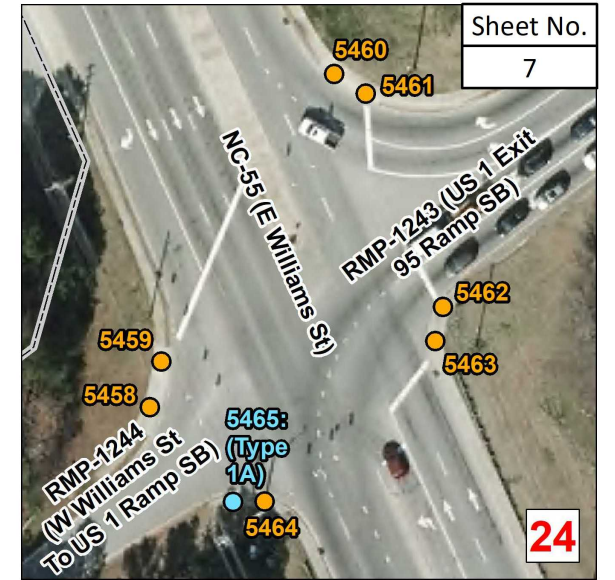
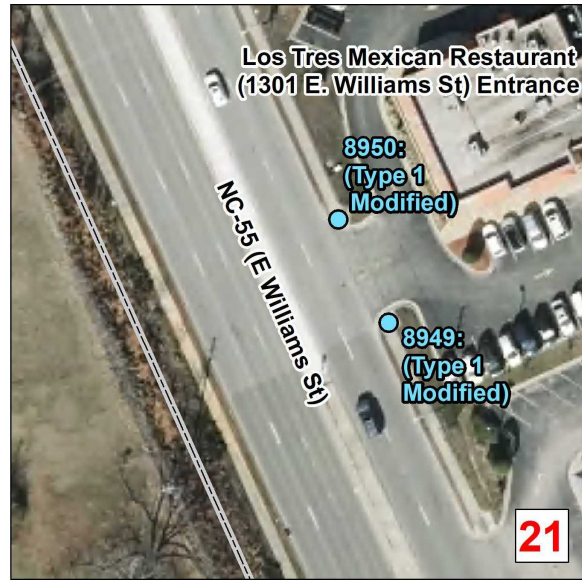
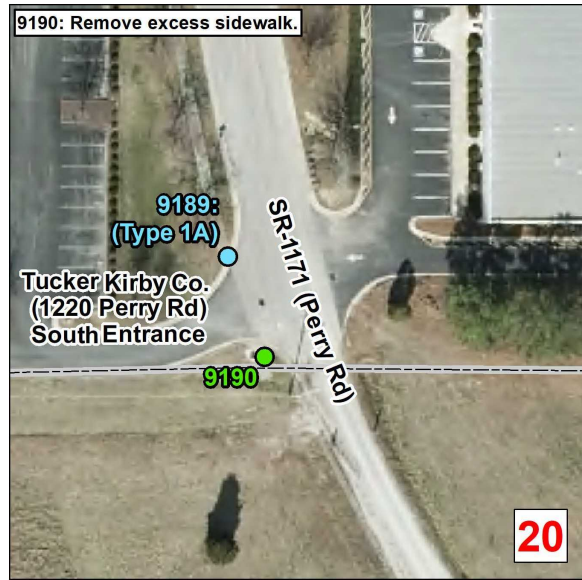
Municipal Boundary  
 NCHPO Historic Boundary (NR and LHD)

**Municipality: Apex**  
**TIP Number: R-5785H**  
**WBS Number: 44915.3.14**  
**County: Wake**

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION 5

Source: NV5 Engineers and Consultants Inc, ESRI, NC OneMap, NCDOT, NCHPO





**Curb Ramps To Be Repaired**

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp

Municipal Boundary

NCHPO Historic Boundary (NR and LHD)

**Municipality: Apex**  
**TIP Number: R-5785H**  
**WBS Number: 44915.3.14**  
**County: Wake**

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION 5

Source: NV5 Engineers and Consultants Inc, ESRI, NC OneMap, NCDOT, NCHPO



SUMMARY OF QUANTITIES – CARY

Municipality:	Cary
Project Number:	R-5785H
WBS Number:	44915.3.14
County:	Wake

Ramp ID	Inset Map Number	Route 1	Route 2	254900000-E	259100000-E	273800000-E	284500000-N	469500000-E	486000000-E	260000000-N	261300000-N	260500000-N	275900000-N	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
10277	1	SR-1652 (N Harrison Ave)	Cary Academy (1500 N Harrison Ave) Entrance							1				RetrofitWarnings
10287	1	SR-1652 (N Harrison Ave)	NW Cary Pkwy								1			Type3Modified
10274	1	SR-1652 (N Harrison Ave)	Cary Academy (1500 N Harrison Ave) Entrance							1				RetrofitWarnings
10288	1	SR-1652 (N Harrison Ave)	NW Cary Pkwy								1			Type3Modified
10289	1	SR-1652 (N Harrison Ave)	NW Cary Pkwy								1			Type3Modified
10290	1	SR-1652 (N Harrison Ave)	NW Cary Pkwy								1			Type3Modified
9823	2	SR-1652 (N Harrison Ave)	NC-54 (NW Maynard Rd)								1			Type3Modified
9821	2	SR-1652 (N Harrison Ave)	NC-54 (NW Maynard Rd)								1			Standard - 848.06
9874	2	SR-1652 (N Harrison Ave)	NC-54 (NE Maynard Rd)								1			Type3Modified
9875	2	SR-1652 (N Harrison Ave)	NC-54 (NE Maynard Rd)	18	8								1	Remove Ramp
9822	2	SR-1652 (N Harrison Ave)	NC-54 (NW Maynard Rd)								1			Type3Modified
9972	3	NC-54 (NW Maynard Rd)	Circle K Gas Station (1001 N Harrison Ave)								1			Type1Modified
9973	3	NC-54 (NW Maynard Rd)	Circle K Gas Station (1001 N Harrison Ave)								1			Type1A
10008	4	NC-54 (NW Maynard Rd)	Walmart (973 N Harrison Ave) Entrance								1			Type1Modified
10007	4	NC-54 (NW Maynard Rd)	Walmart (973 N Harrison Ave) Entrance								1			Type4B
23842	5	NC-54 (NW Maynard Rd)	Walmart (2313 NW Maynard Rd) Back Entrance								1			Type1Modified
10005	5	NC-54 (NW Maynard Rd)	Walmart (2313 NW Maynard Rd) Back Entrance								1			Type1Modified
10004	6	NC-54 (NW Maynard Rd)	Northwoods Dr								1			Type1Modified
23843	6	NC-54 (NW Maynard Rd)	Northwoods Dr								1			Type4A
10003	6	NC-54 (NW Maynard Rd)	Northwoods Dr								1			Type4A
9982	7	NC-54 (NW Maynard Rd)	Black creek greenway trailhead entrance							1				RetrofitWarnings
9981	7	NC-54 (NW Maynard Rd)	Black creek greenway trailhead entrance							1				RetrofitWarnings
10001	8	NC-54 (NW Maynard Rd)	Robert V. Goldbold park (2050 NW Maynard Rd) Entrance							1				RetrofitWarnings
10002	8	NC-54 (NW Maynard Rd)	Robert V. Goldbold park (2050 NW Maynard Rd) Entrance							1				RetrofitWarnings
9989	9	NC-54 (NW Maynard Rd)	West Cary Middle School (1000 Evans Rd) Bus Lot Entrance							1				RetrofitWarnings
9986	9	NC-54 (NW Maynard Rd)	West Cary Middle School (1000 Evans Rd) Bus Lot Entrance	14	6								1	Remove Ramp
9988	9	NC-54 (NW Maynard Rd)	West Cary Middle School (1000 Evans Rd) Bus Lot Entrance	16		9							1	Remove Ramp
9987	9	NC-54 (NW Maynard Rd)	West Cary Middle School (1000 Evans Rd) Bus Lot Entrance							1				RetrofitWarnings
9990	10	NC-54 (NW Maynard Rd)	SR-1653 (Evans Rd)							1				RetrofitWarnings
9991	10	NC-54 (NW Maynard Rd)	SR-1653 (Evans Rd)							1				RetrofitWarnings
16055	11	SR-3073 (NW Maynard Rd)	State Employees' Credit Union (9101 Chapel Hill Rd) Entrance								1			Type1Modified
15988	12	SR-1415 (NE Maynard Rd)	E Chatham St	12	9								1	Remove Ramp
17340	13	SR-1497 (Cary Towne Blvd)	SR-1313 (Walnut St)								1			Type2AModified
17339	13	SR-1497 (Cary Towne Blvd)	SR-1313 (Walnut St)								1			Type2AModified
23888	14	SR-5878 (Old Apex Rd)	W Chatham St	10	3							1		Standard - 848.06
15625	15	SR-1415 (SW Maynard Rd)	American Pride Car Wash (125 SW Maynard Rd) Entrance								1			Type1Modified
15624	15	SR-1415 (SW Maynard Rd)	American Pride Car Wash (125 SW Maynard Rd) Entrance								1			Type1Modified
15637	16	SR-1415 (SW Maynard Rd)	Food Lion (980 Kildaire Farm Rd) Back Entrance								1			Type1
15638	16	SR-1415 (SW Maynard Rd)	Food Lion (980 Kildaire Farm Rd) Plaza Entrance								1			Type1A
15581	17	SR-1415 (SW Maynard Rd)	BP Gas Station (103 SW Maynard Rd) Entrance								1			Type1
15580	17	SR-1415 (SW Maynard Rd)	BP Gas Station (103 SW Maynard Rd) Entrance								1			Type1
15584	17	SR-1415 (SW Maynard Rd)	Caribou Coffee (109 SW Maynard Rd) Entrance								1			Type1
13086	18	SR-1300 (Kildaire Farm Rd)	SR-1415 (SE Maynard Rd)								1			Type3Modified
13087	18	SR-1415 (SE Maynard Rd)	Kildaire Farm Rd								1			Type3Modified
15647	18	SR-1415 (SE Maynard Rd)	Rite Aid Pharmacy (929 Kildaire Farm Rd) Front Entrance								1			Type1Modified
13085	18	SR-1300 (Kildaire Farm Rd)	SR-1415 (SE Maynard Rd)								1			Type3Modified
15646	18	SR-1415 (SE Maynard Rd)	Rite Aid Pharmacy (929 Kildaire Farm Rd) Front Entrance								1			Type1Modified
13088	18	SR-1415 (SE Maynard Rd)	Kildaire Farm Rd								1			Type3Modified
15643	19	SR-1415 (SE Maynard Rd)	Greenwood Forest Baptist Church (110 SE Maynard Rd) Entrance by Bus Stop								1			Type1Modified
15644	19	SR-1415 (SE Maynard Rd)	Greenwood Forest Baptist Church (110 SE Maynard Rd) Entrance by Bus Stop								1			Type1Modified
15645	19	SR-1415 (SE Maynard Rd)	Rite Aid Pharmacy (929 Kildaire Farm Rd) Back Entrance								1			Type1Modified
15648	19	SR-1415 (SE Maynard Rd)	Rite Aid Pharmacy (929 Kildaire Farm Rd) Back Entrance								1			Type1Modified
<b>Sub-Total</b>				<b>70</b>	<b>26</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>37</b>	<b>1</b>	<b>4</b>	

SUMMARY OF QUANTITIES – CARY

Municipality:	Cary
Project Number:	R-5785H
WBS Number:	44915.3.14
County:	Wake

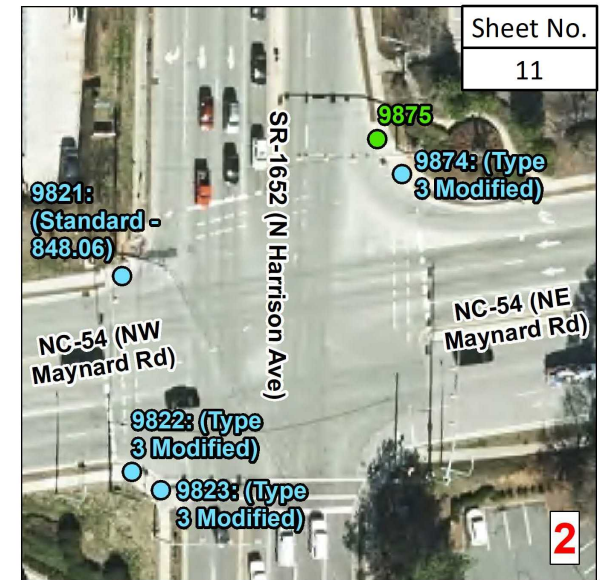
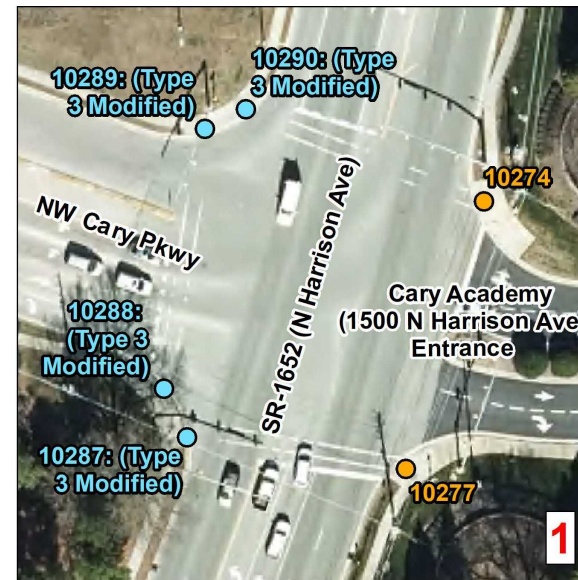
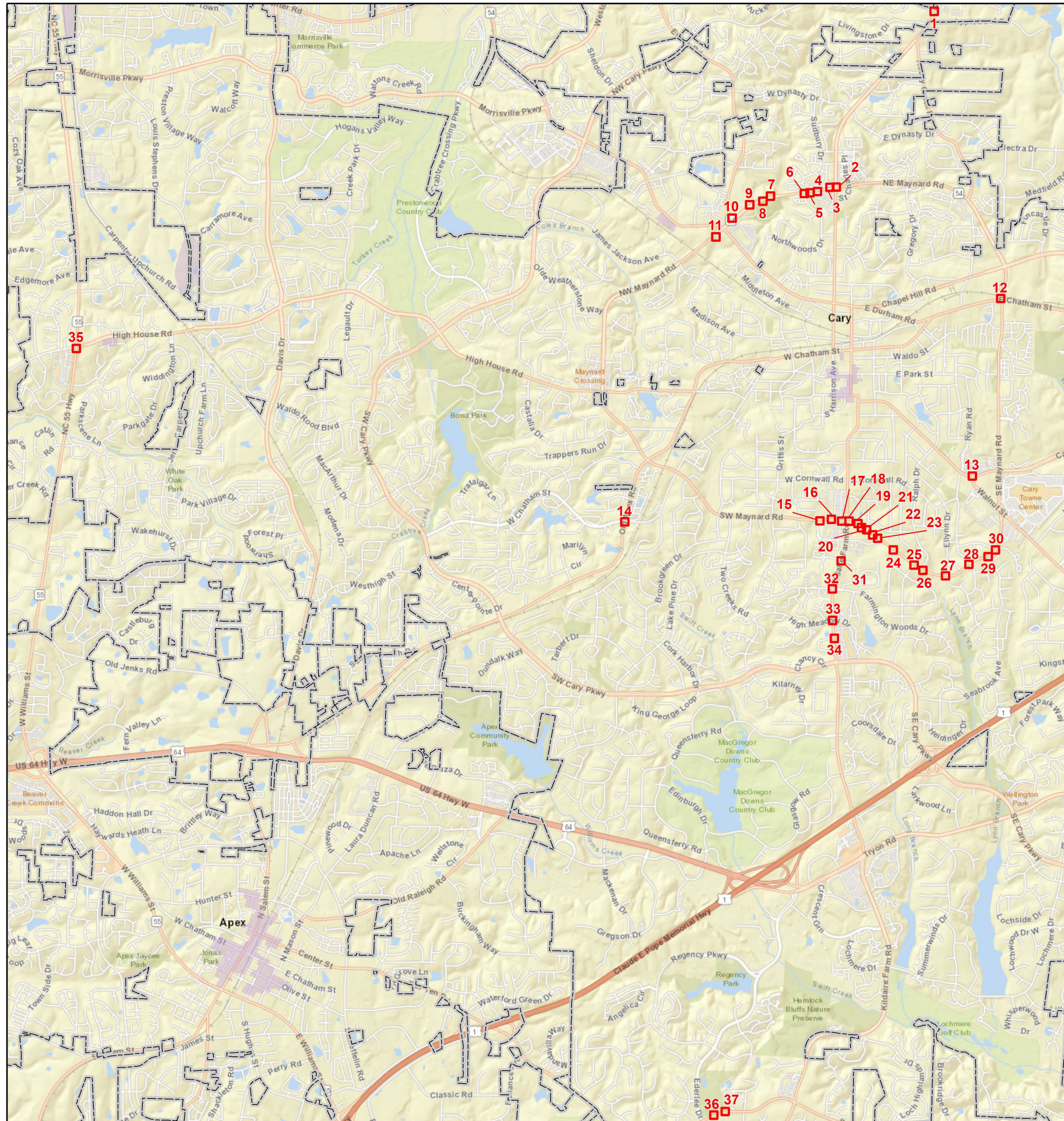
Ramp ID	Inset Map Number	Route 1	Route 2	254900000-E	259100000-E	273800000-E	284500000-N	469500000-E	486000000-E	260000000-N	261300000-N	260500000-N	275900000-N	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
15642	20	SR-1415 (SE Maynard Rd)	Greenwood Forest Baptist Church (184 SE Maynard Rd) Parking Entrance									1		Type1Modified
15661	20	SR-1415 (SE Maynard Rd)	Greenwood Forest Baptist Church (184 SE Maynard Rd) Parking Entrance									1		Type1Modified
15658	21	SR-1415 (SE Maynard Rd)	Brown-Wynne Funeral Home (200 SE Maynard Rd) West Entrance									1		Type1Modified
15659	21	SR-1415 (SE Maynard Rd)	Brown-Wynne Funeral Home (200 SE Maynard Rd) West Entrance									1		Type1Modified
15650	21	SR-1415 (SE Maynard Rd)	Wilshire Dr							1				RetrofitWarnings
15651	21	SR-1415 (SE Maynard Rd)	Wilshire Dr							1				RetrofitWarnings
15649	21	SR-1415 (SE Maynard Rd)	Wilshire Dr							1				RetrofitWarnings
15660	21	SR-1415 (SE Maynard Rd)	Wilshire Dr							1				RetrofitWarnings
15657	22	SR-1415 (SE Maynard Rd)	Brown-Wynne Funeral Home (200 SE Maynard Rd) East Entrance									1		Type1Modified
15656	22	SR-1415 (SE Maynard Rd)	Brown-Wynne Funeral Home (200 SE Maynard Rd) East Entrance									1		Type1Modified
15652	23	SR-1415 (SE Maynard Rd)	Kilmayne Dr	16	9								1	Remove Ramp
15653	23	SR-1415 (SE Maynard Rd)	Kilmayne Dr									1		Type3Modified
15655	23	SR-1415 (SE Maynard Rd)	Kilmayne Dr	16	9								1	Remove Ramp
15654	23	SR-1415 (SE Maynard Rd)	Kilmayne Dr									1		Type3Modified
15665	24	SR-1415 (SE Maynard Rd)	Oakridge Rd									1		Type2B
15663	24	SR-1415 (SE Maynard Rd)	Oakridge Rd							1				RetrofitWarnings
15667	24	SR-1415 (SE Maynard Rd)	Oakridge Rd				1				1			Type3Modified
15664	24	SR-1415 (SE Maynard Rd)	Oakridge Rd							1				RetrofitWarnings
15666	24	SR-1415 (SE Maynard Rd)	Oakridge Rd							1				RetrofitWarnings
15662	24	SR-1415 (SE Maynard Rd)	Oakridge Rd									1		Type2B
15674	25	SR-1415 (SE Maynard Rd)	White Plains United Methodist Church (313 SE Maynard Rd) Entrance									1		Type1Modified
15668	25	SR-1415 (SE Maynard Rd)	Hampton Valley Rd									1		Type2B
15672	25	SR-1415 (SE Maynard Rd)	White Plains United Methodist Church (313 SE Maynard Rd) Entrance									1		Type2B
15669	25	SR-1415 (SE Maynard Rd)	Hampton Valley Rd	18		9							1	Remove Ramp
15673	25	SR-1415 (SE Maynard Rd)	White Plains United Methodist Church (313 SE Maynard Rd) Entrance									1		Type2B
15670	25	SR-1415 (SE Maynard Rd)	Hampton Valley Rd									1		Type2B
15671	25	SR-1415 (SE Maynard Rd)	Hampton Valley Rd									1		Type2B
15675	26	SR-1415 (SE Maynard Rd)	Ralph Dr							1				RetrofitWarnings
15678	26	SR-1415 (SE Maynard Rd)	Ralph Dr							1				RetrofitWarnings
15676	26	SR-1415 (SE Maynard Rd)	Ralph Dr							1				RetrofitWarnings
15677	26	SR-1415 (SE Maynard Rd)	Ralph Dr							1				RetrofitWarnings
15686	27	SR-1415 (SE Maynard Rd)	Ellynn Dr							1				RetrofitWarnings
15688	27	SR-1415 (SE Maynard Rd)	Ellynn Dr							1				RetrofitWarnings
15684	27	SR-1415 (SE Maynard Rd)	Greenwood Cir							1				RetrofitWarnings
15681	27	SR-1415 (SE Maynard Rd)	Temple (500 SE Maynard Rd) Entrance							1				RetrofitWarnings
15683	27	SR-1415 (SE Maynard Rd)	Greenwood Cir							1				RetrofitWarnings
15685	27	SR-1415 (SE Maynard Rd)	Greenwood Cir							1				RetrofitWarnings
15682	27	SR-1415 (SE Maynard Rd)	Temple (500 SE Maynard Rd) Entrance							1				RetrofitWarnings
15687	27	SR-1415 (SE Maynard Rd)	Ellynn Dr							1				RetrofitWarnings
15694	28	SR-1415 (SE Maynard Rd)	Tanglewood Dr							1				RetrofitWarnings
15702	28	SR-1415 (SE Maynard Rd)	Tanglewood Dr							1				RetrofitWarnings
15700	28	SR-1415 (SE Maynard Rd)	Tanglewood Dr							1				RetrofitWarnings
15701	28	SR-1415 (SE Maynard Rd)	Tanglewood Dr							1				RetrofitWarnings
15695	28	SR-1415 (SE Maynard Rd)	Tanglewood Dr							1				RetrofitWarnings
15692	28	SR-1415 (SE Maynard Rd)	Tanglewood Dr							1				RetrofitWarnings
15693	28	SR-1415 (SE Maynard Rd)	Tanglewood Dr							1				RetrofitWarnings
15699	28	SR-1415 (SE Maynard Rd)	Tanglewood Dr							1				RetrofitWarnings
15696	29	SR-1415 (SE Maynard Rd)	Seabrook Ave							1				RetrofitWarnings
15698	29	SR-1415 (SE Maynard Rd)	Seabrook Ave	14	6								1	Remove Ramp
15703	30	SR-1415 (SE Maynard Rd)	Ashe Ave							1				RetrofitWarnings
15705	30	SR-1415 (SE Maynard Rd)	Ashe Ave							1				RetrofitWarnings
15704	30	SR-1415 (SE Maynard Rd)	Ashe Ave							1				RetrofitWarnings
15712	30	SR-1415 (SE Maynard Rd)	Ashe Ave							1				RetrofitWarnings
13096	31	SR-1300 (Kildaire Farm Rd)	Commonwealth Ct							1				RetrofitWarnings
<b>Sub-Total</b>				<b>64</b>	<b>24</b>	<b>9</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>17</b>	<b>0</b>	<b>4</b>	

SUMMARY OF QUANTITIES – CARY

Municipality:	Cary
Project Number:	R-5785H
WBS Number:	44915.3.14
County:	Wake

Ramp ID	Inset Map Number	Route 1	Route 2	2549000000-E	2591000000-E	2738000000-E	2845000000-N	4695000000-E	4860000000-E	2600000000-N	2613000000-N	2605000000-N	2759000000-N	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
13097	31	SR-1300 (Kildaire Farm Rd)	Commonwealth Ct							1				RetrofitWarnings
13070	32	SR-1300 (Kildaire Farm Rd)	Farmington Woods Dr								1			Type3Modified
13101	32	SR-1300 (Kildaire Farm Rd)	Wrenn Dr								1			Standard - 848.06
13100	32	SR-1300 (Kildaire Farm Rd)	Wrenn Dr								1			Standard - 848.06
23956	32	SR-1300 (Kildaire Farm Rd)	Farmington Woods Dr									1		Type4A
13069	32	SR-1300 (Kildaire Farm Rd)	Farmington Woods Dr								1			Type4A
13109	33	SR-1300 (Kildaire Farm Rd)	High Meadow Dr								1			Type2B
13108	33	SR-1300 (Kildaire Farm Rd)	High Meadow Dr	16	8			150	150				1	Remove Ramp
13061	33	SR-1300 (Kildaire Farm Rd)	High Meadow Dr							1				RetrofitWarnings
13059	34	SR-1300 (Kildaire Farm Rd)	Shannon Oaks Circle			3					1			Type1Modified
13111	34	SR-1300 (Kildaire Farm Rd)	Shannon Oaks Circle		3						1			Standard - 848.06
13112	34	SR-1300 (Kildaire Farm Rd)	Shannon Oaks Circle								1			Standard - 848.06
13113	34	SR-1300 (Kildaire Farm Rd)	Shannon Oaks Circle			3					1			Standard - 848.06
13114	34	SR-1300 (Kildaire Farm Rd)	Shannon Oaks Circle		3						1			Standard - 848.06
5805	35	NC-55	SR-1615 (High House Rd) / SR-1615 (Green Level West Rd)								1			Standard - 848.06
5807	35	NC-55	SR-1615 (High House Rd) / SR-1615 (Green Level West Rd)								1			Standard - 848.06
5811	35	NC-55	SR-1615 (High House Rd) / SR-1615 (Green Level West Rd)								1			Standard - 848.06
5809	35	NC-55	SR-1615 (High House Rd) / SR-1615 (Green Level West Rd)								1			Standard - 848.06
5728	36	SR 1379 (Penny Road)	Penny Road Elementary School (10900 Penny Rd) West Entrance								1			Type2B
5682	36	SR 1379 (Penny Road)	Penny Road Elementary School (10900 Penny Rd) West Entrance	12	7								1	Remove Ramp
5680	36	SR 1379 (Penny Road)	Penny Road Elementary School (10900 Penny Rd) West Entrance	16									1	Remove Ramp
10195	37	SR-1379 (Penny Rd)	Penny Road Elementary School (10900 Penny Rd) East Entrance	12									1	Remove Ramp
10196	37	SR-1379 (Penny Rd)	Penny Road Elementary School (10900 Penny Rd) East Entrance								1			Type1A
10194	37	SR-1379 (Penny Rd)	Penny Road Elementary School (10900 Penny Rd) East Entrance	18									1	Remove Ramp
10193	37	SR-1379 (Penny Rd)	Penny Road Elementary School (10900 Penny Rd) East Entrance								1			Type1A
-	-	-	-	-	-	1	-	-	-	-	-	-	-	
<b>Sub-Total</b>				<b>74</b>	<b>21</b>	<b>7</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>2</b>	<b>17</b>	<b>1</b>	<b>5</b>	
<b>Sub-Total for Cary</b>				<b>208</b>	<b>71</b>	<b>25</b>	<b>1</b>	<b>150</b>	<b>150</b>	<b>45</b>	<b>71</b>	<b>2</b>	<b>13</b>	





Sheet No.  
11

**Curb Ramps To Be Repaired**

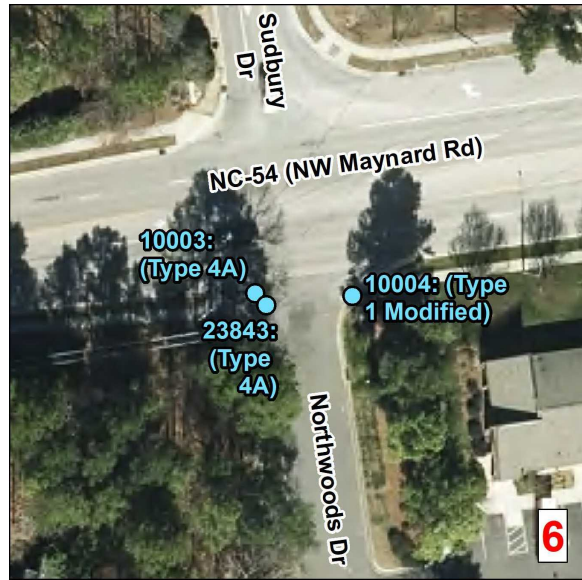
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Municipal Boundary
- NCHPO Historic Boundary (NR, LHD and DOE)

**Municipality: Cary**  
**TIP Number: R-5785H**  
**WBS Number: 44915.3.14**  
**County: Wake**

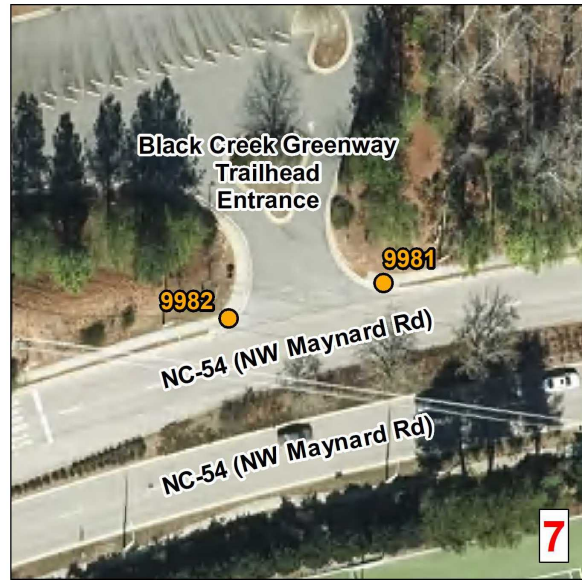
NORTH CAROLINA DEPARTMENT  
OF TRANSPORTATION  
DIVISION 5

Source: NVS Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO





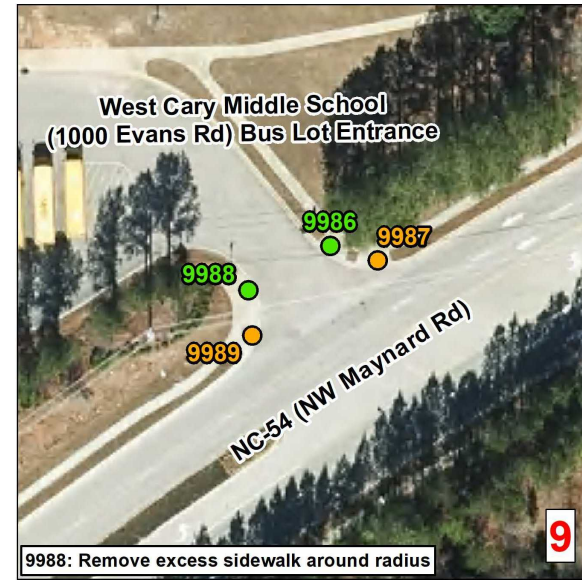
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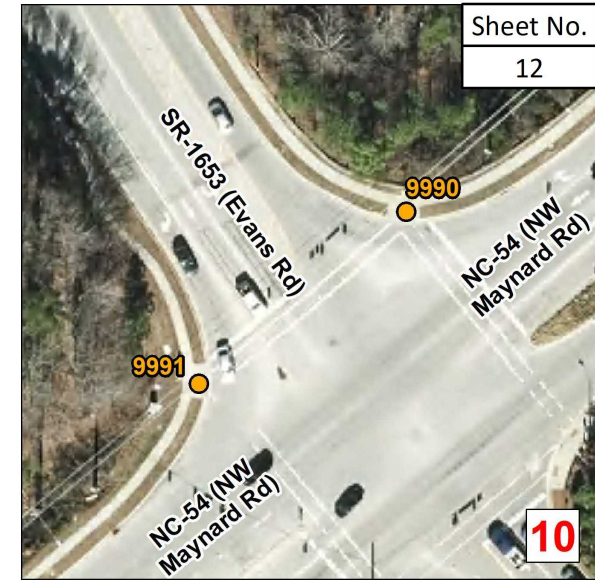


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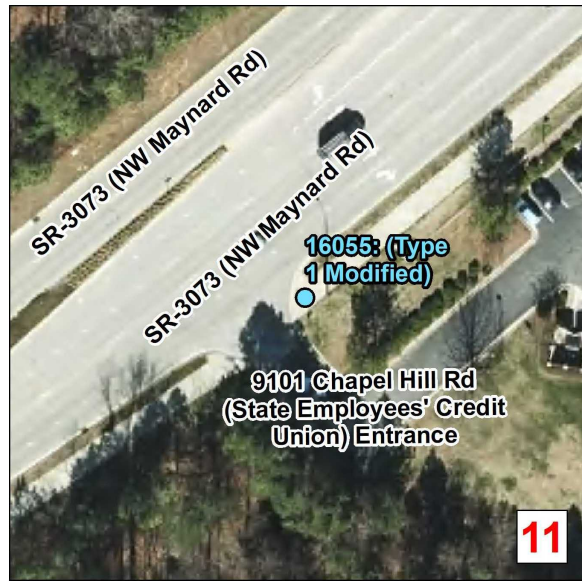


9988: Remove excess sidewalk around radius

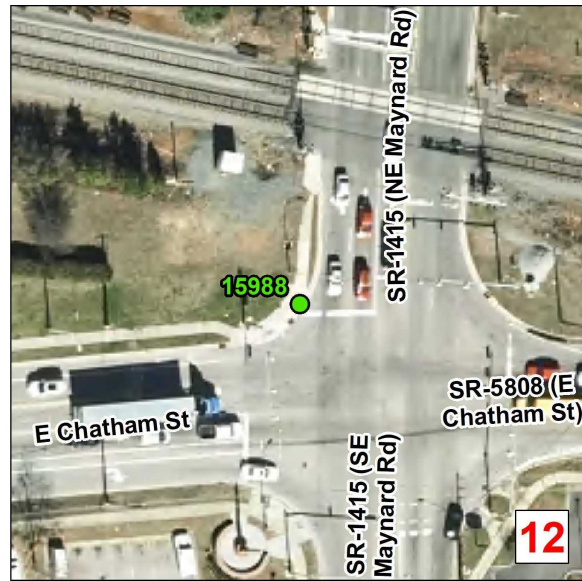
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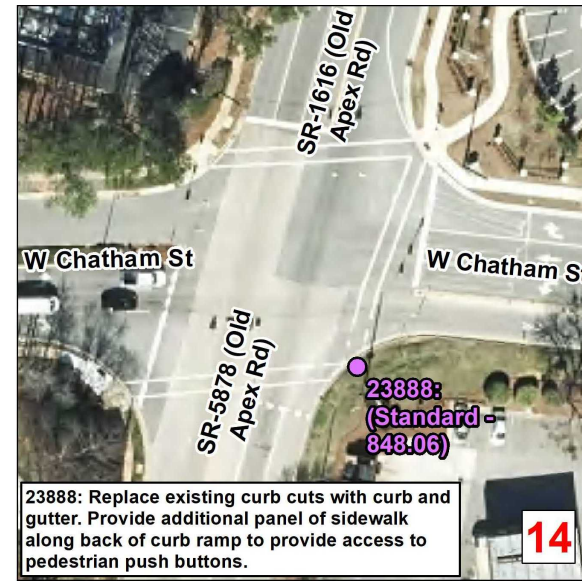
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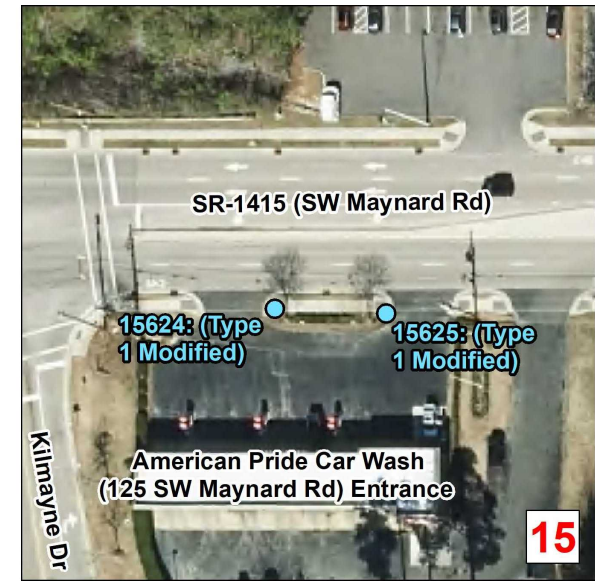


13



23888: Replace existing curb cuts with curb and gutter. Provide additional panel of sidewalk along back of curb ramp to provide access to pedestrian push buttons.

14

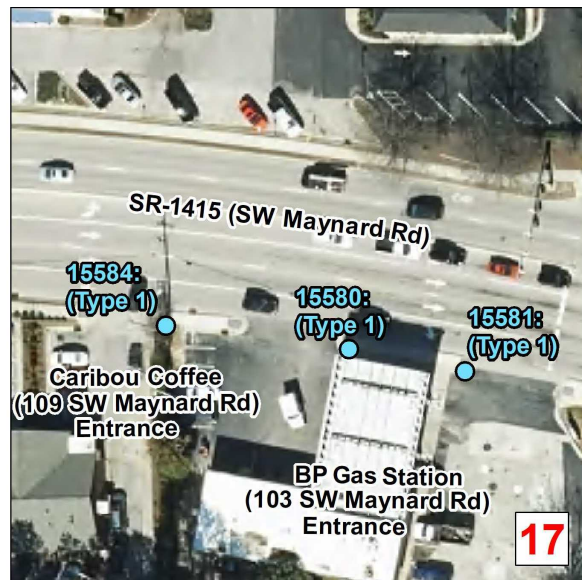


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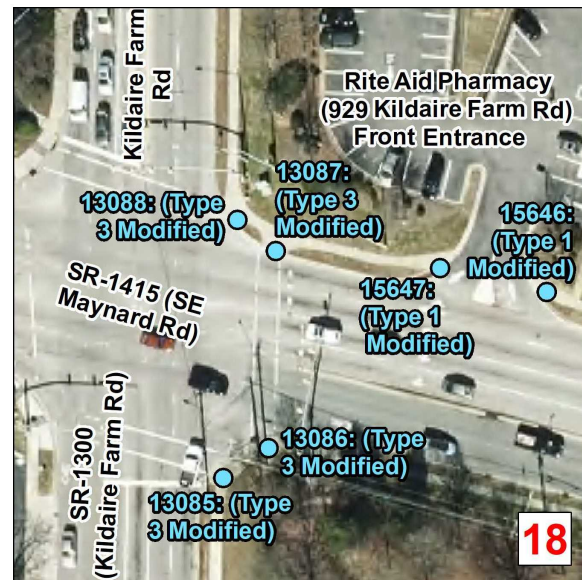


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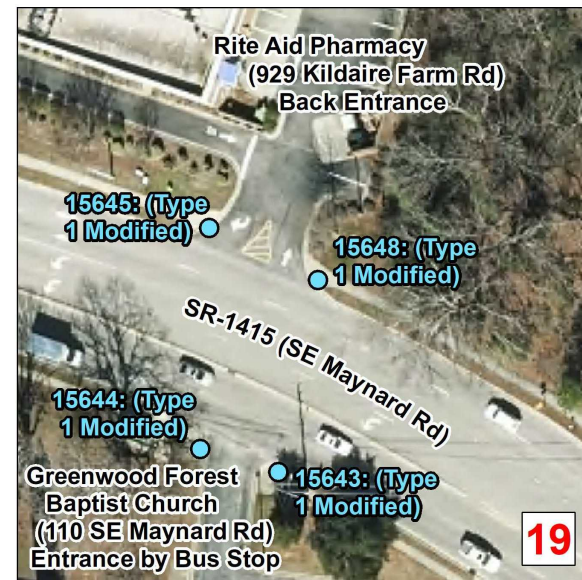
15637: Retain catch basin.  
15638: Retain catch basin. Wrap curb ramp around radius.



17



18



19

**Curb Ramps To Be Repaired**

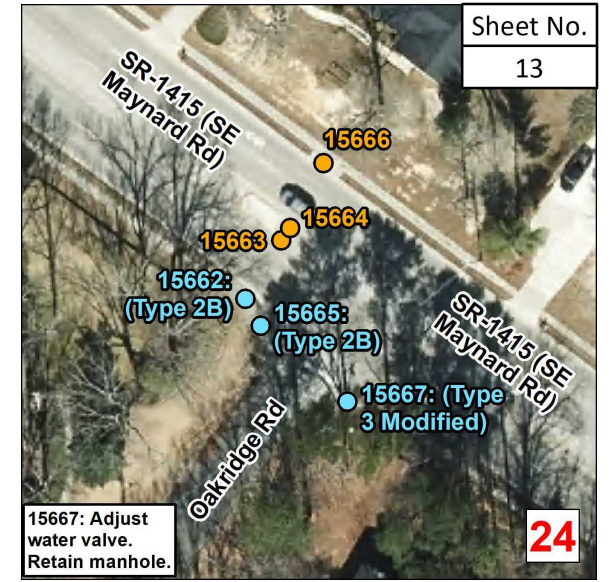
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Municipal Boundary
- NCHPO Historic Boundary (NR, LHD and DOE)

**Municipality: Cary**  
**TIP Number: R-5785H**  
**WBS Number: 44915.3.14**  
**County: Wake**

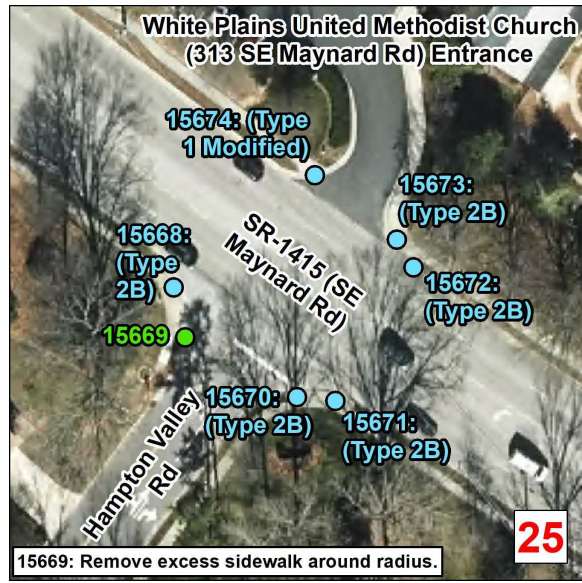
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION 5

Source: NV5 Engineers and Consultants Inc, ESRI, NC OneMap, NCDOT, NCHPO

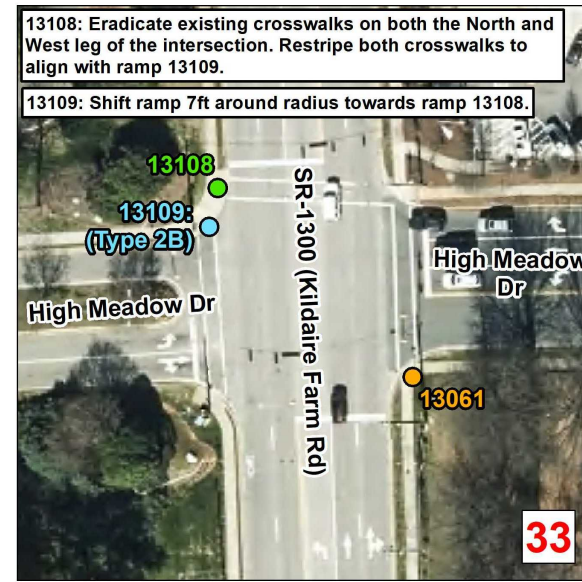
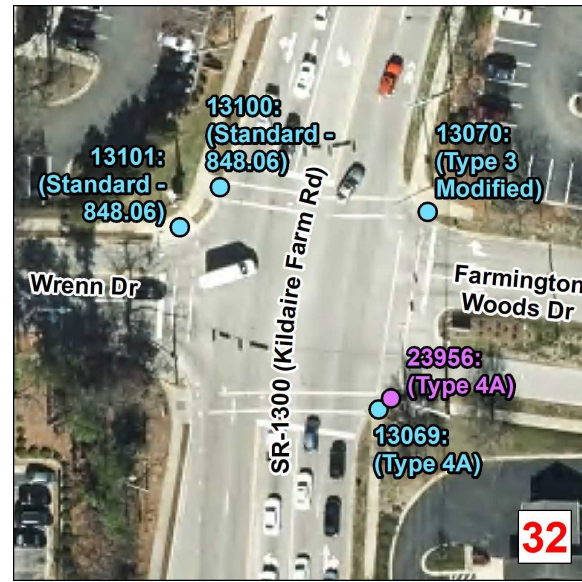
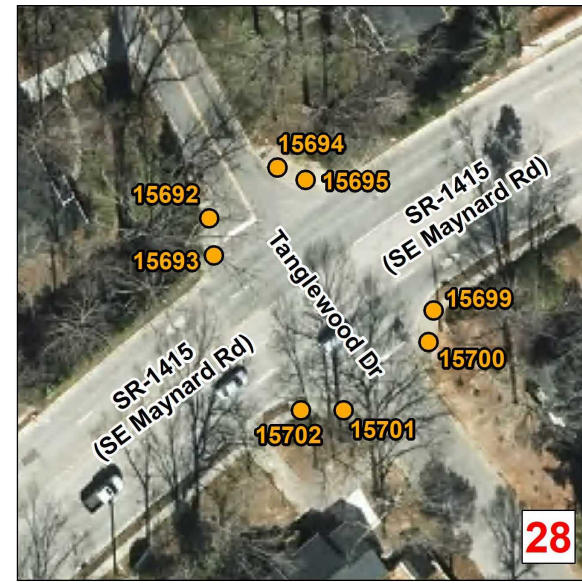
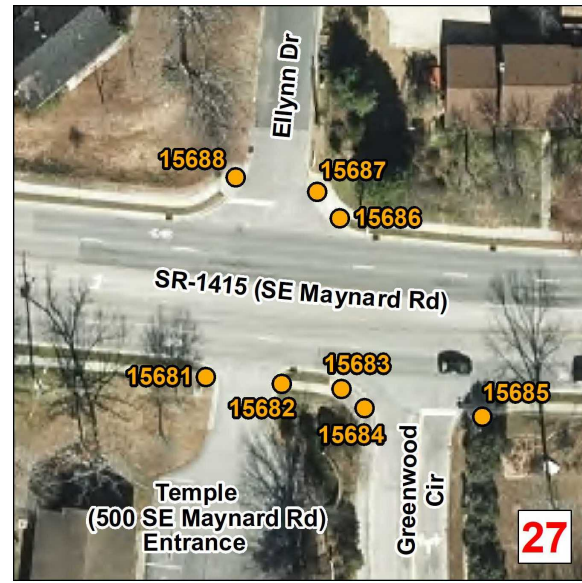




15667: Adjust water valve. Retain manhole.



15669: Remove excess sidewalk around radius.





13108: Eradicate existing crosswalks on both the North and West leg of the intersection. Restripe both crosswalks to align with ramp 13109.


13109: Shift ramp 7ft around radius towards ramp 13108.

**Curb Ramps To Be Repaired**

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp

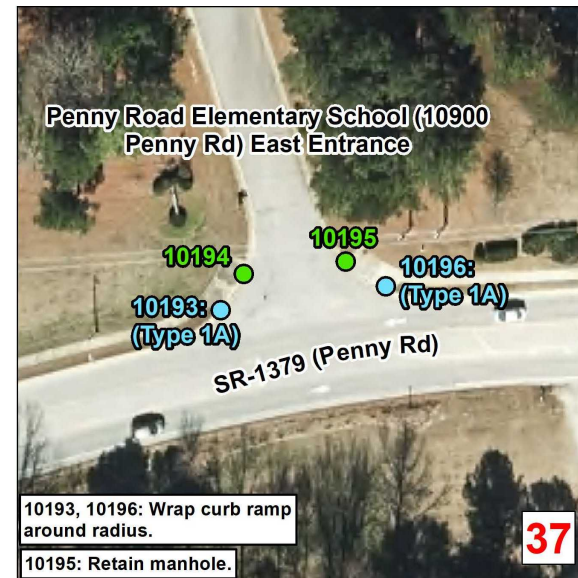
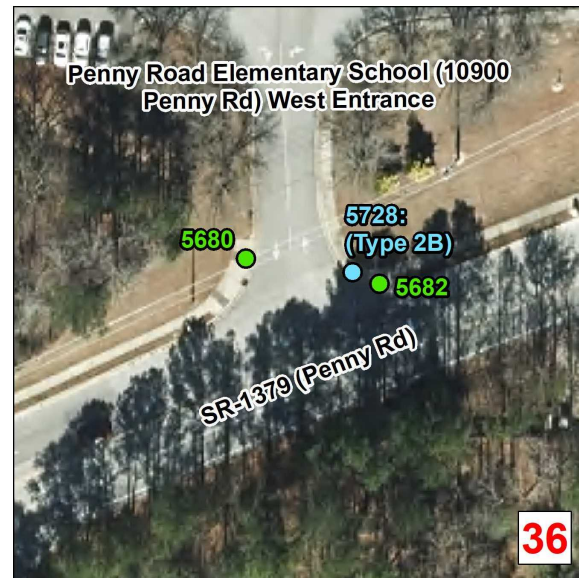
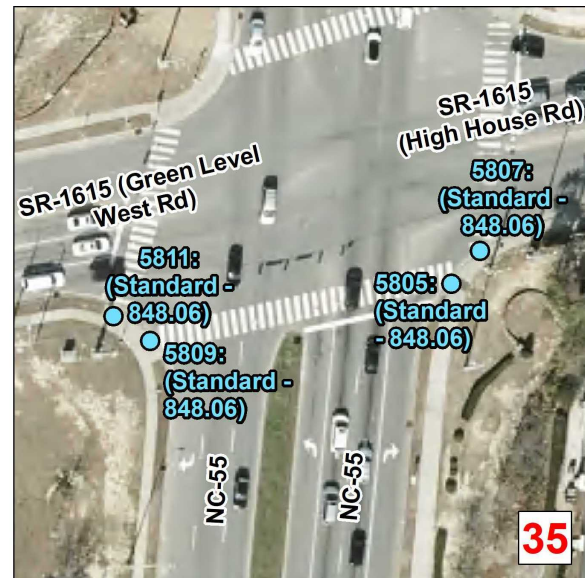
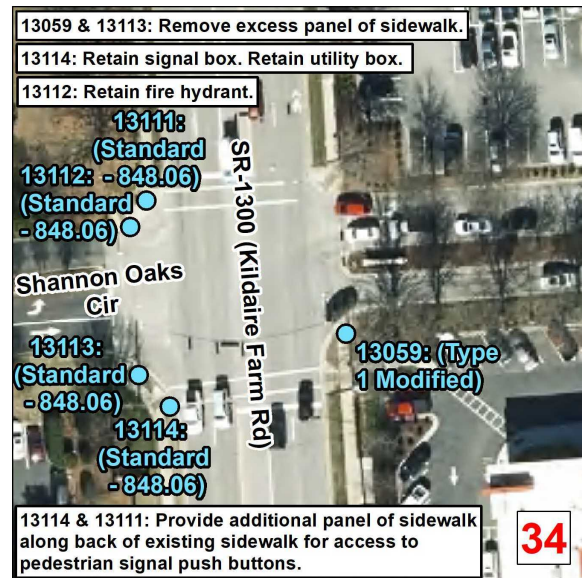
 Municipal Boundary  
 NCHPO Historic Boundary (NR, LHD and DOE)

**Municipality: Cary**  
**TIP Number: R-5785H**  
**WBS Number: 44915.3.14**  
**County: Wake**


 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION 5

Source: NV5 Engineers and Consultants Inc, ESRI, NC OneMap, NCDOT, NCHPO





**Curb Ramps To Be Repaired**

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp

Municipal Boundary

NCHPO Historic Boundary (NR, LHD and DOE)

**Municipality: Cary**  
**TIP Number: R-5785H**  
**WBS Number: 44915.3.14**  
**County: Wake**

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION 5

Source: NV5 Engineers and Consultants Inc, ESRI, NC OneMap, NCDOT, NCHPO

SUMMARY OF QUANTITIES – FUQUAY-VARINA

Sheet No.  
15

Municipality: Fuquay-Varina  
Project Number: R-5785H  
WBS Number: 44915.3.14  
County: Wake

Ramp ID	Inset Map Number	Route 1	Route 2	2549000000-E	2591000000-E	2738000000-E	2845000000-N	4695000000-E	4860000000-E	2600000000-N	2613000000-N	2605000000-N	2759000000-N	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
10828	1	SR-1100 (Wagstaff Rd)	Felmet Dr									1		Type1Modified
10829	1	SR-1100 (Wagstaff Rd)	Felmet Dr									1		Type1Modified
4839	2	US-401 (N Main St)	NC-55 (N Ennis St)								1			Type2B
4840	2	US-401 (N Main St)	NC-55 (N Ennis St)								1			Type2B
4841	2	US-401 (N Main St)	NC-55 (N Ennis St)								1			Type2B
23816	2	US-401 (N Main St)	NC-55 (N Ennis St)	14	9								1	Remove Ramp
4873	3	US-401 (N Main St)	Guardian Angel Thrift (742 N. Main St) West Entrance								1			Type1
4878	4	US-401 (N Main St)	Guardian Angel Thrift (742 N. Main St) East Entrance								1			Type1
4889	5	US-401 (N Main St)	Walgreens (816 N. Main St) West Entrance								1			Type1Modified
4890	5	US-401 (N Main St)	Walgreens (816 N. Main St) West Entrance								1			Type1Modified
4891	6	US-401 (N Main St)	Walgreens (816 N. Main St) East Entrance								1			Type1Modified
4892	6	US-401 (N Main St)	Walgreens (816 N. Main St) East Entrance								1			Type1Modified
4896	7	US-401 (N Main St)	Smithwood St				1				1			Type2B
4895	7	US-401 (N Main St)	Smithwood St	15	6								1	Remove Ramp
4894	7	US-401 (N Main St)	Smithwood St								1			Type1Modified
4893	7	US-401 (N Main St)	Smithwood St	18		3							1	Remove Ramp
4899	8	US-401 (N Main St)	Express Lube (1110 N. Main St) Entrance								1			Type1Modified
4900	8	US-401 (N Main St)	Express Lube (1110 N. Main St) Entrance								1			Type1Modified
4902	9	US-401 (N Main St)	Attain St	15	8								1	Remove Ramp
4901	9	US-401 (N Main St)	Attain St								1			Type1Modified
4903	9	US-401 (N Main St)	Attain St								1			Type3Modified
23831	10	US-401 (N Main St)	Honest Care Automotive (1219 N. Main St) Entrance								1			Type1Modified
4906	10	US-401 (N Main St)	Stellata Dr								1			Type3Modified
23832	10	US-401 (N Main St)	Honest Care Automotive (1219 N. Main St) Entrance								1			Type1Modified
4904	10	US-401 (N Main St)	Stellata Dr								1			Type3Modified
4905	10	US-401 (N Main St)	Stellata Dr	15	7								1	Remove Ramp
4907	11	US-401 (N Main St)	Glam-O-Rama (1290 N. Main St) Entrance				1				1			Type1Modified
4908	11	US-401 (N Main St)	Glam-O-Rama (1290 N. Main St) Entrance								1			Type1Modified
4915	12	US-401 (N Main St)	AT&T and the Vitamin Shoppe (1237 N. Main St) Entrance								1			RetrofitWarnings
23824	12	US-401 (N Main St)	AT&T and the Vitamin Shoppe (1237 N. Main St) Entrance								1			RetrofitWarnings
4943	13	US-401 (N Main St)	Pizza Hut (1301 N. Main St) Entrance								1			Type1Modified
4938	13	US-401 (N Main St)	Pizza Hut (1301 N. Main St) Entrance								1			Type1Modified
4940	13	US-401 (N Main St)	Pizza Hut (1301 N. Main St) Entrance								1			Type1Modified
23817	13	US-401 (N Main St)	Pizza Hut (1301 N. Main St) Entrance								1			Type1Modified
5009	14	US-401 (N Main St)	Firehouse Subs (1303 N. Main St) Entrance								1			Type1Modified
5008	14	US-401 (N Main St)	Firehouse Subs (1303 N. Main St) Entrance								1			Type1Modified
23336	15	US-401 (N. Main St)	Creative Insurance Solutions (1321 N. Main St)									1		Type1Modified
5010	15	US-401 (N Main St)	First Citizens Bank (1344 N. Main St) Entrance								1			Type1Modified
5011	15	US-401 (N Main St)	First Citizens Bank (1344 N. Main St) Entrance								1			Type1Modified
23337	15	US-401 (N. Main St)	Creative Insurance Solutions (1321 N. Main St)									1		Type1Modified
5017	16	US-401 (N Main St)	Food Lion (1338 N. Main St)	18									1	Remove Ramp
5020	16	US-401 (N Main St)	Food Lion (1338 N. Main St)				1				1			Type2B
5018	16	US-401 (N Main St)	Food Lion (1338 N. Main St)	18									1	Remove Ramp
5013	16	US-401 (N Main St)	Zaxby's (1341 N. Main St)								1			Type1
5012	16	US-401 (N Main St)	Zaxby's (1341 N. Main St)								1			Type2B
5015	16	US-401 (N Main St)	Food Lion (1338 N. Main St)								1			Type2B
5024	17	US-401 (N Main St)	Aldi and BB&T (1375 / 1381 N. Main St)								1			Type1Modified
5023	17	US-401 (N Main St)	Aldi and BB&T (1375 / 1381 N. Main St)								1			Type1Modified
5026	18	US-401 (N Main St)	PNC (1381 N. Main St) Right-In Entrance								1			Type1Modified
5025	18	US-401 (N Main St)	PNC (1381 N. Main St) Right-In Entrance								1			Type1Modified
23335	19	US-401 (N. Main St)	Walgreens (1401 N. Main St) Entrance								1			Type1Modified
23332	19	US-401 (N. Main St)	Walgreens (1401 N. Main St) Entrance								1			Type1Modified
5032	20	US-401 (N Main St)	Waffle House (1412 N. Main St)								1			Type2B
5031	20	US-401 (N Main St)	BB&T (1405 N. Main St)								1			Type1Modified
5030	20	US-401 (N Main St)	Waffle House (1412 N. Main St)								1			Type1Modified
5029	20	US-401 (N Main St)	BB&T (1405 N. Main St)								1			Type1Modified
1828	21	US-401 (N Main St)	McDonalds (1409 N. Main St) East Entrance								1			Type1Modified
1827	21	US-401 (N Main St)	McDonalds (1409 N. Main St) East Entrance								1			Type1Modified
1823	22	US-401 (N Main St)	Harris Teeter / Sexton Commons (1430 N. Main St) East Entrance								1			Type1Modified
1825	22	US-401 (N Main St)	Cook Out (1433 N. Main St)								1			Type1Modified
<b>Sub-Total</b>				<b>113</b>	<b>30</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>47</b>	<b>4</b>	<b>7</b>	

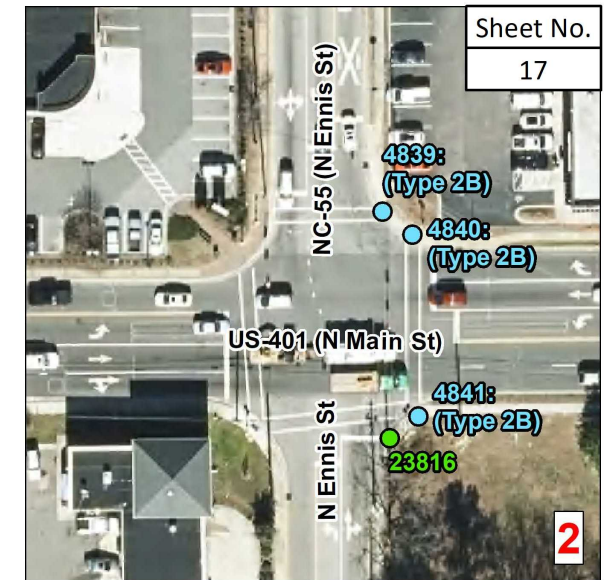
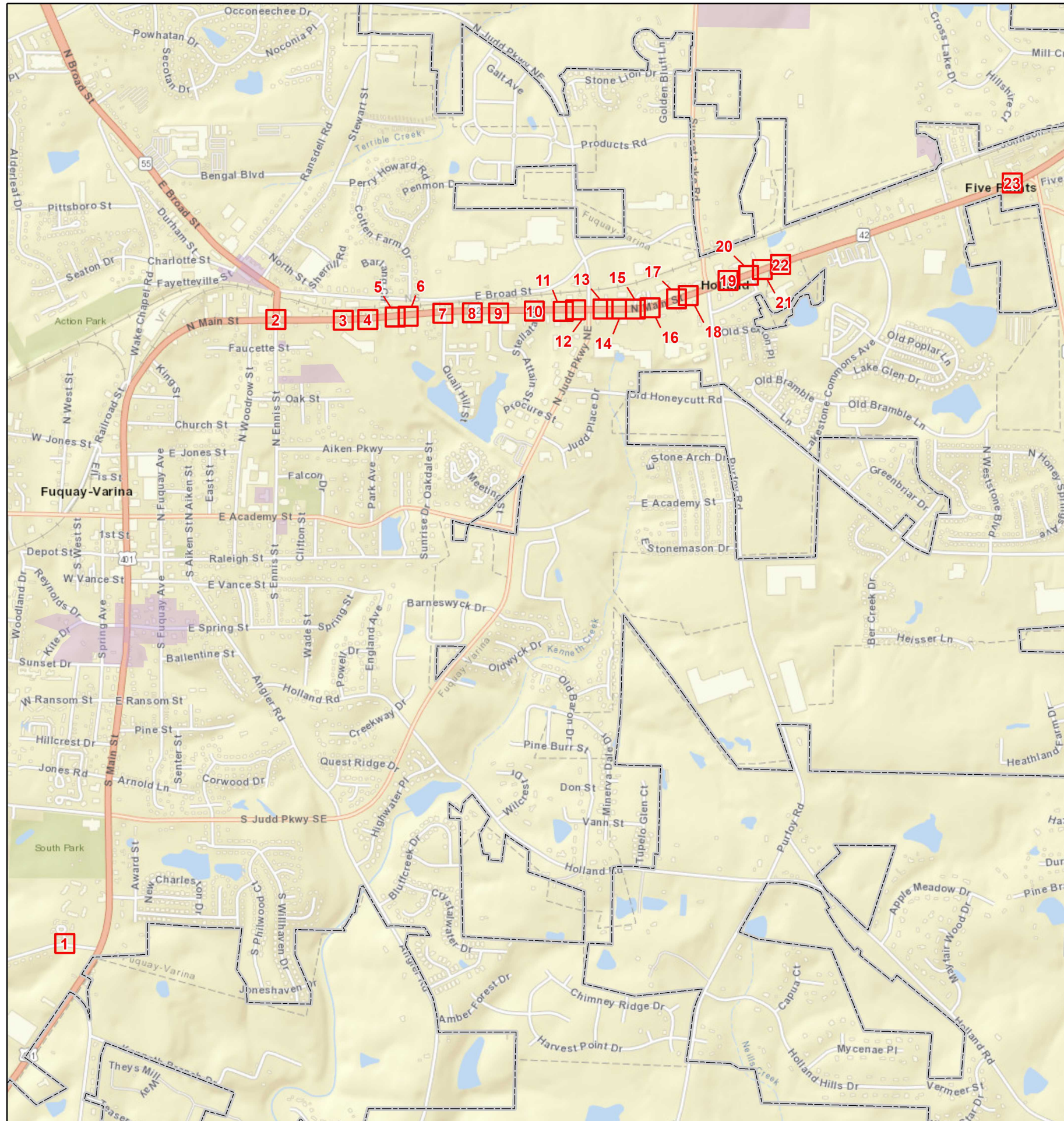
SUMMARY OF QUANTITIES – FUQUAY-VARINA

Sheet No.
16

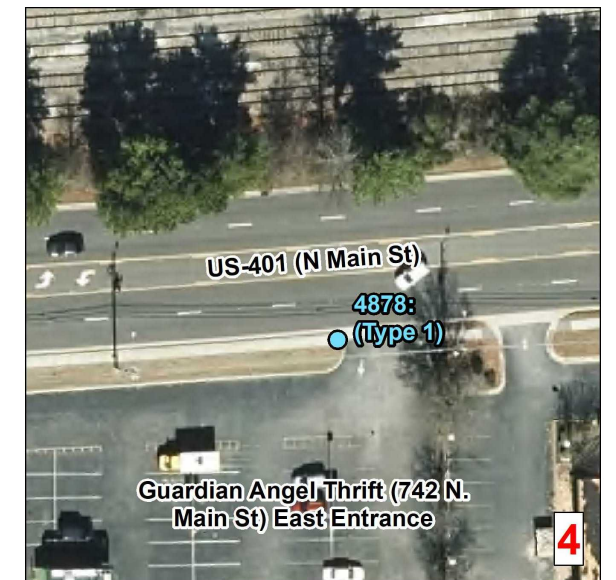
Municipality:	Fuquay-Varina
Project Number:	R-5785H
WBS Number:	44915.3.14
County:	Wake

Ramp ID	Inset Map Number	Route 1	Route 2	2549000000-E	2591000000-E	2738000000-E	2845000000-N	4695000000-E	4860000000-E	2600000000-N	2613000000-N	2605000000-N	2759000000-N	Improvement Type
				2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Remove Sidewalk SY	Adjustment of Meter Boxes or Valve Boxes EA	8" X 90 MIL White Thermo LF	8" Line Removal LF	Retrofit Existing Curb Ramps EA	Remove and Replace Curb Ramps EA	Concrete Curb Ramps EA	Remove Curb Ramps EA	
1824	22	US-401 (N Main St)	Harris Teeter / Sexton Commons (1430 N. Main St) East Entrance									1		Type1Modified
1826	22	US-401 (N Main St)	Cook Out (1433 N. Main St)									1		Type1Modified
1805	23	US-401 (N Main St)	Sheetz Gas Station (1655 N. Main St)									1		Type1Modified
1800	23	US-401 (N Main St)	Sheetz Gas Station (1655 N. Main St)									1		Type1B
				-	-	22	-	-	-	-	-	-	-	
<b>Sub-Total</b>				<b>0</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	
<b>Sub-Total for Fuquay-Varina</b>				<b>113</b>	<b>30</b>	<b>25</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>51</b>	<b>4</b>	<b>7</b>	





Sheet No.  
17



**Curb Ramps To Be Repaired**

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp

Municipal Boundary

NCHPO Historic Boundary (NR, LHD and DOE)

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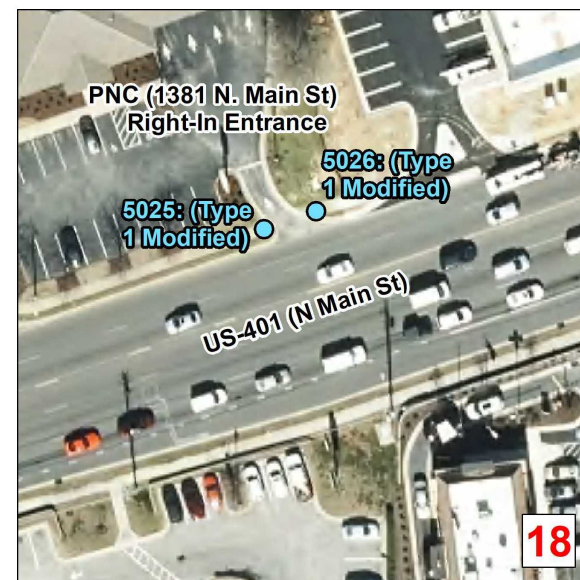
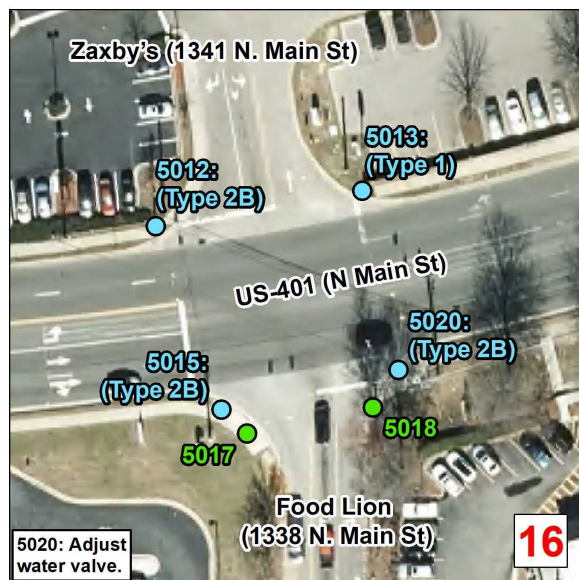
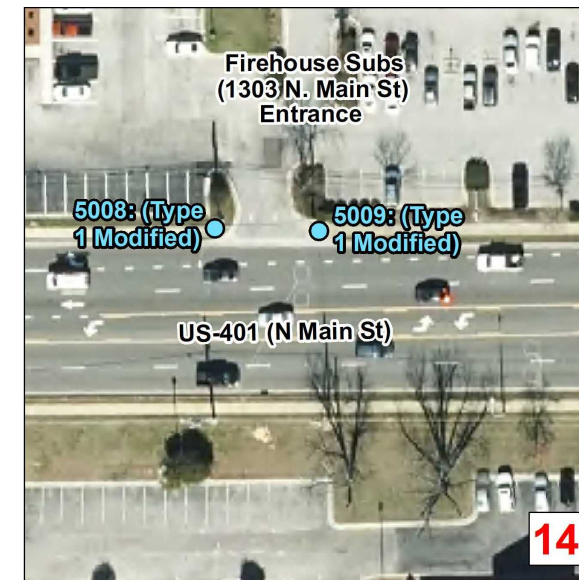
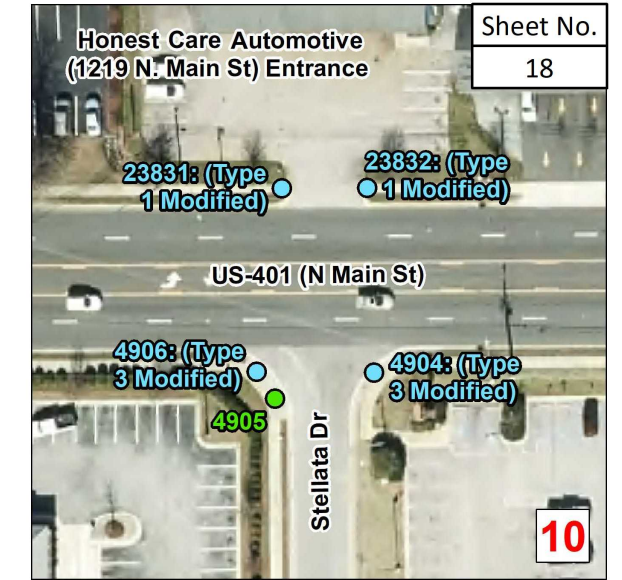
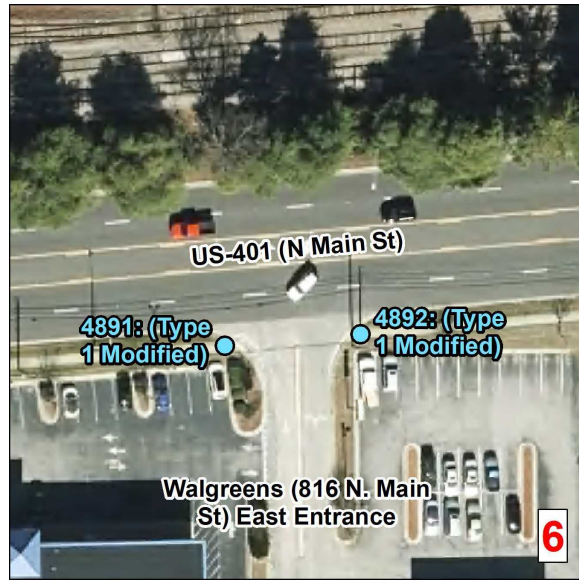
**Municipality: Fuquay-Varina**  
**TIP Number: R-5785H**  
**WBS Number: 44915.3.14**  
**County: Wake**

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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO





**Curb Ramps To Be Repaired**

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp

Municipal Boundary

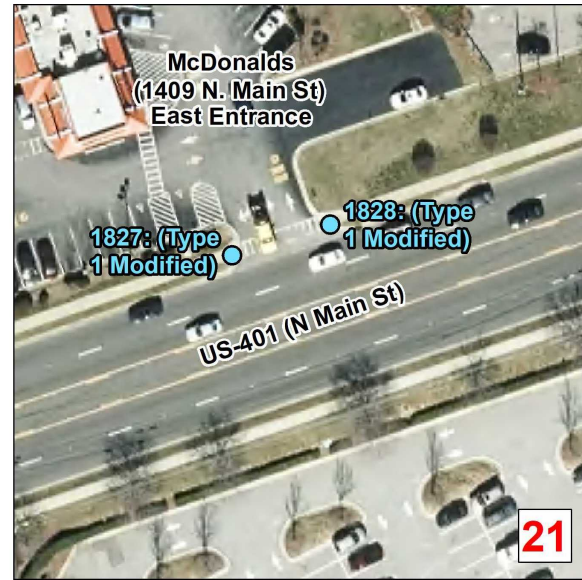
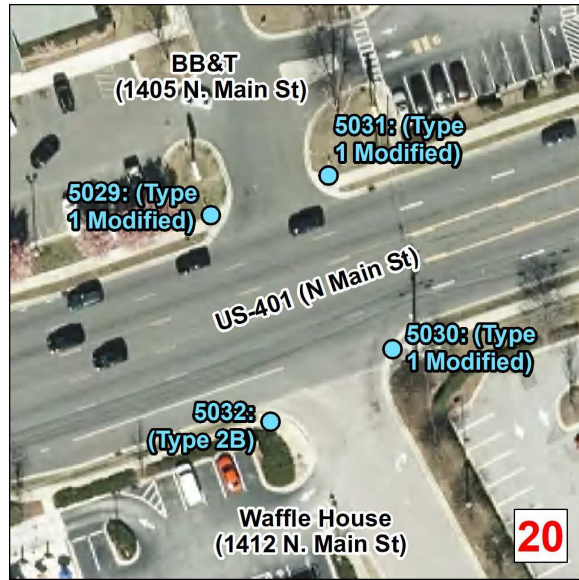
NCHPO Historic Boundary (NR, LHD and DOE)

**Municipality: Fuquay-Varina**  
**TIP Number: R-5785H**  
**WBS Number: 44915.3.14**  
**County: Wake**





NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION 5


Source: NV5 Engineers and Consultants Inc, ESRI, NC OneMap, NCDOT, NCHPO







**Curb Ramps To Be Repaired**


-  Retrofit
-  Remove and Replace
-  New Curb Ramp
-  Remove Ramp

 Municipal Boundary

 NCHPO Historic Boundary (NR, LHD and DOE)

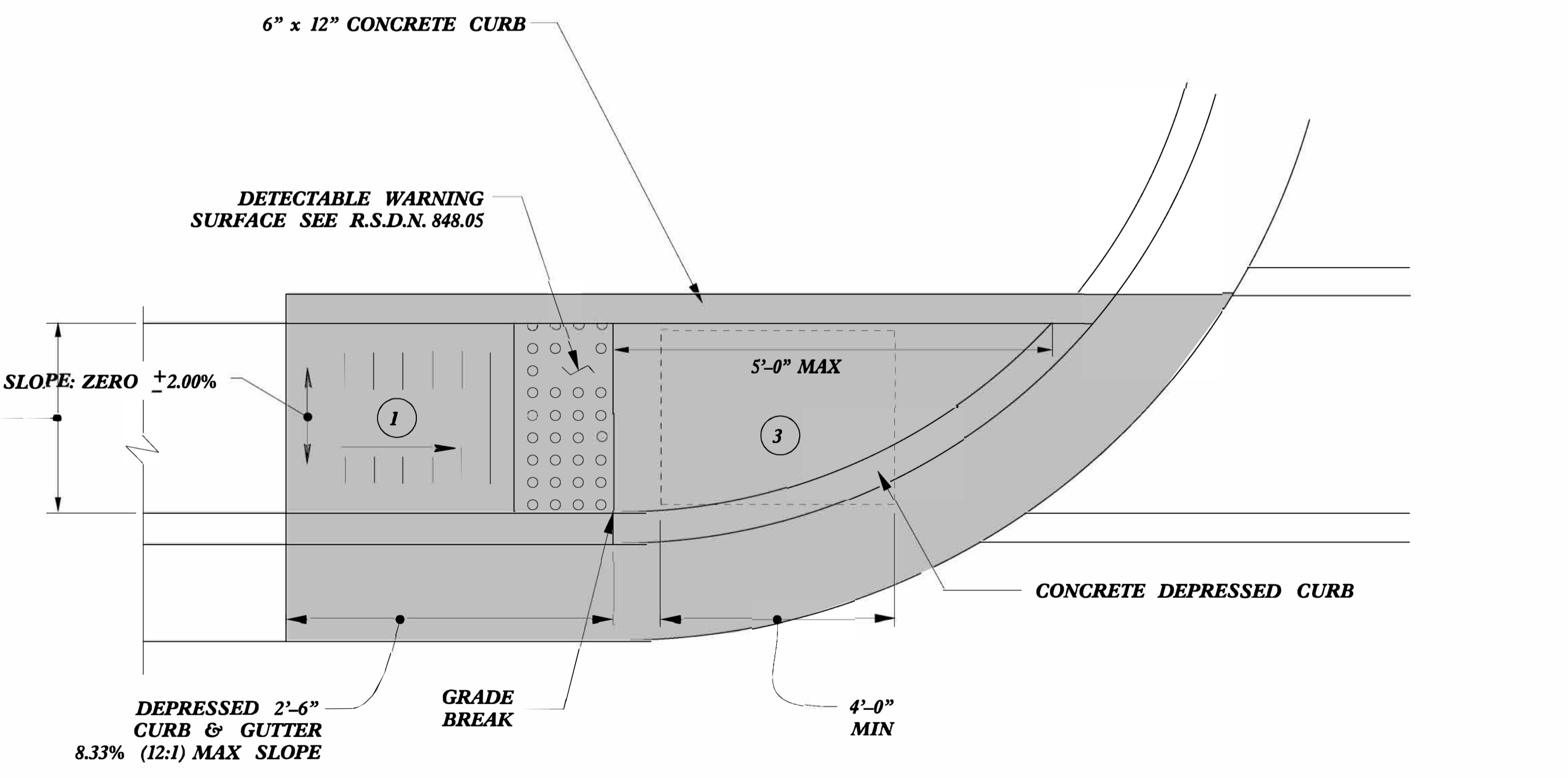
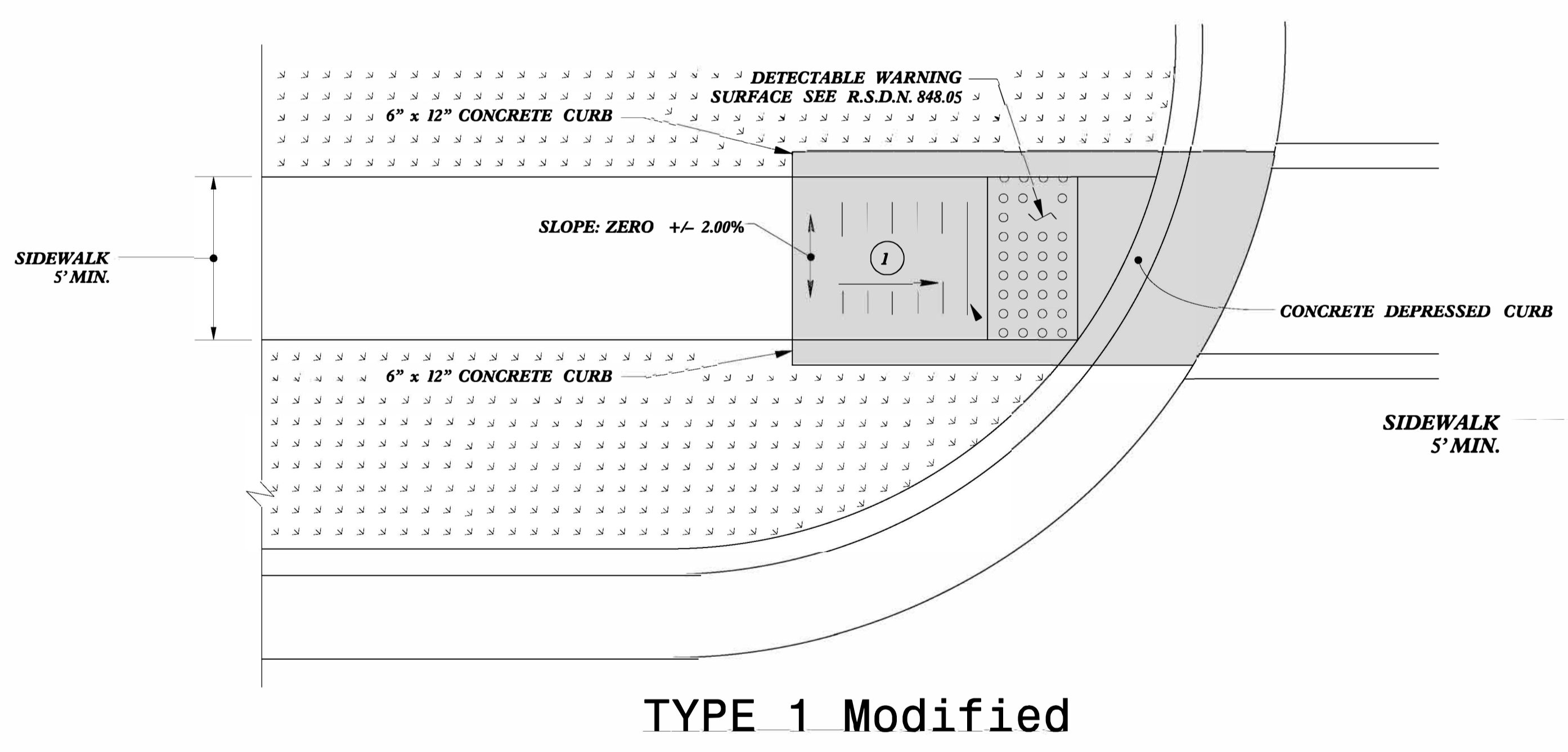
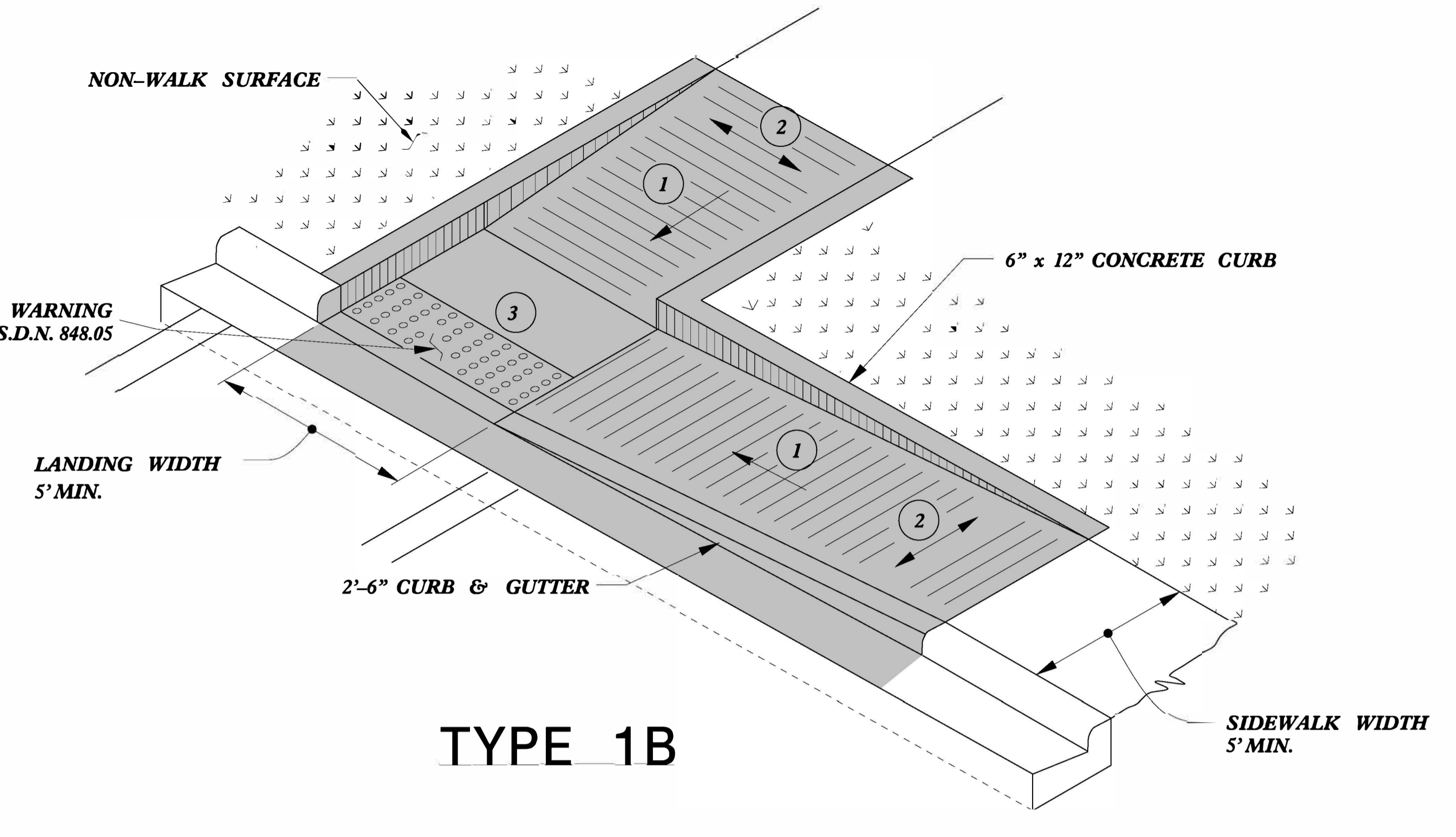
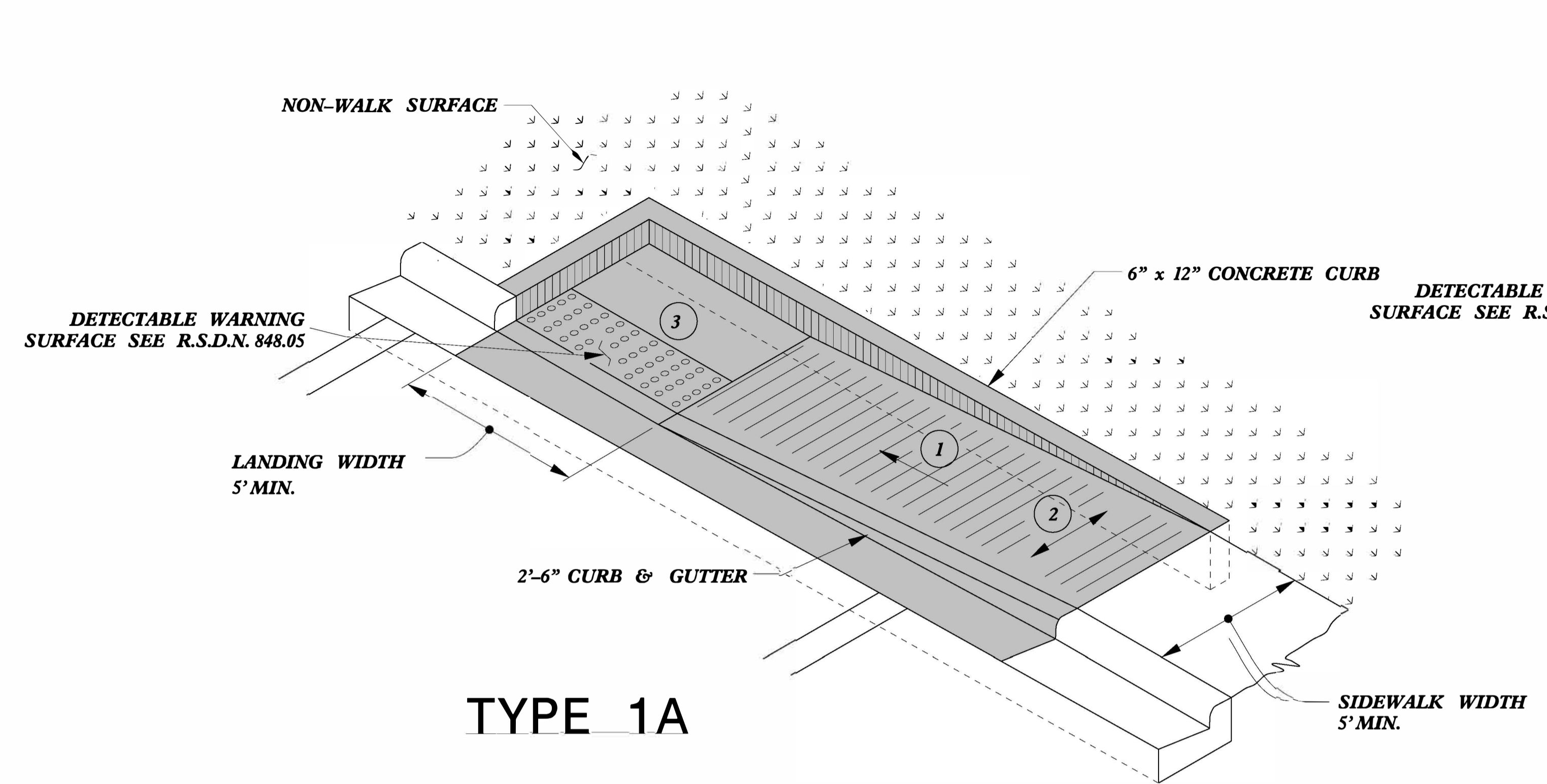


**Municipality: Fuquay-Varina**  
**TIP Number: R-5785H**  
**WBS Number: 44915.3.14**  
**County: Wake**

 NORTH CAROLINA DEPARTMENT  
OF TRANSPORTATION  
DIVISION 5

Source: NV5 Engineers and Consultants Inc, ESRI, NC OneMap, NCDOT, NCHPO

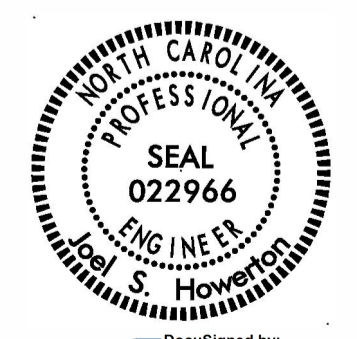




- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

PAY LIMITS FOR 1 CURB RAMP

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



DocuSigned by:  
 Joel S. Howerton, P.E.  
 873F3D17DCDC45F  
 11/3/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

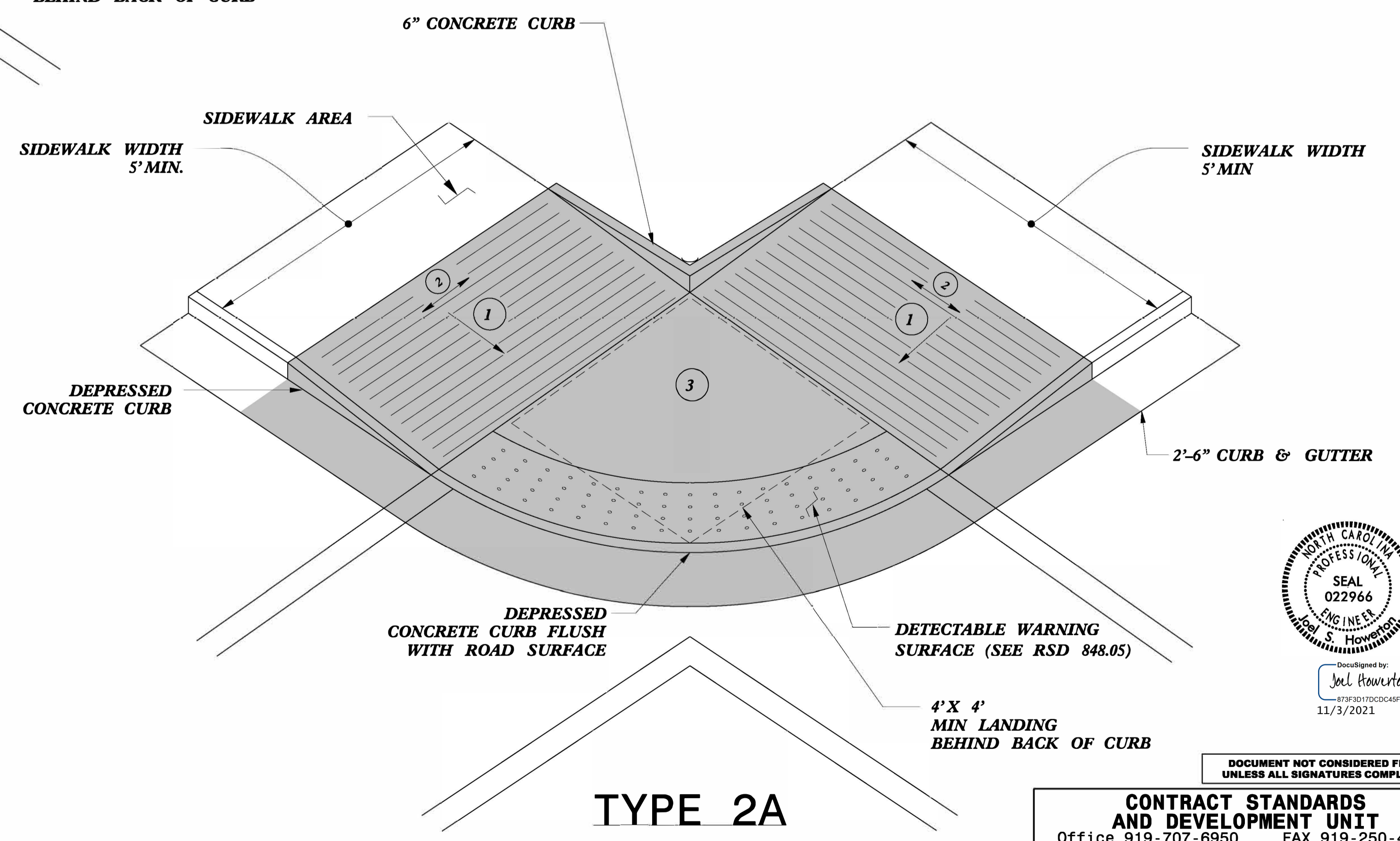
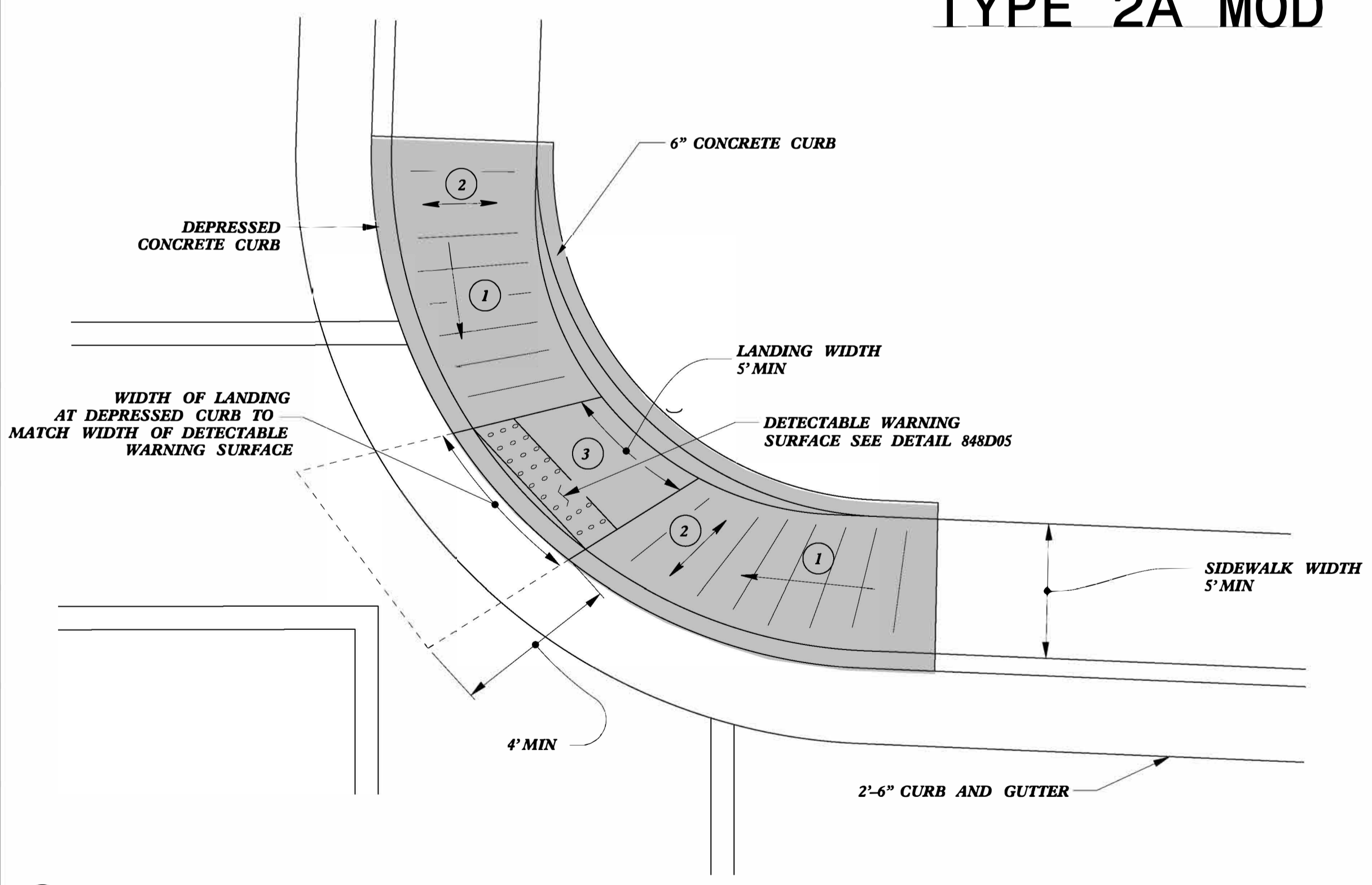
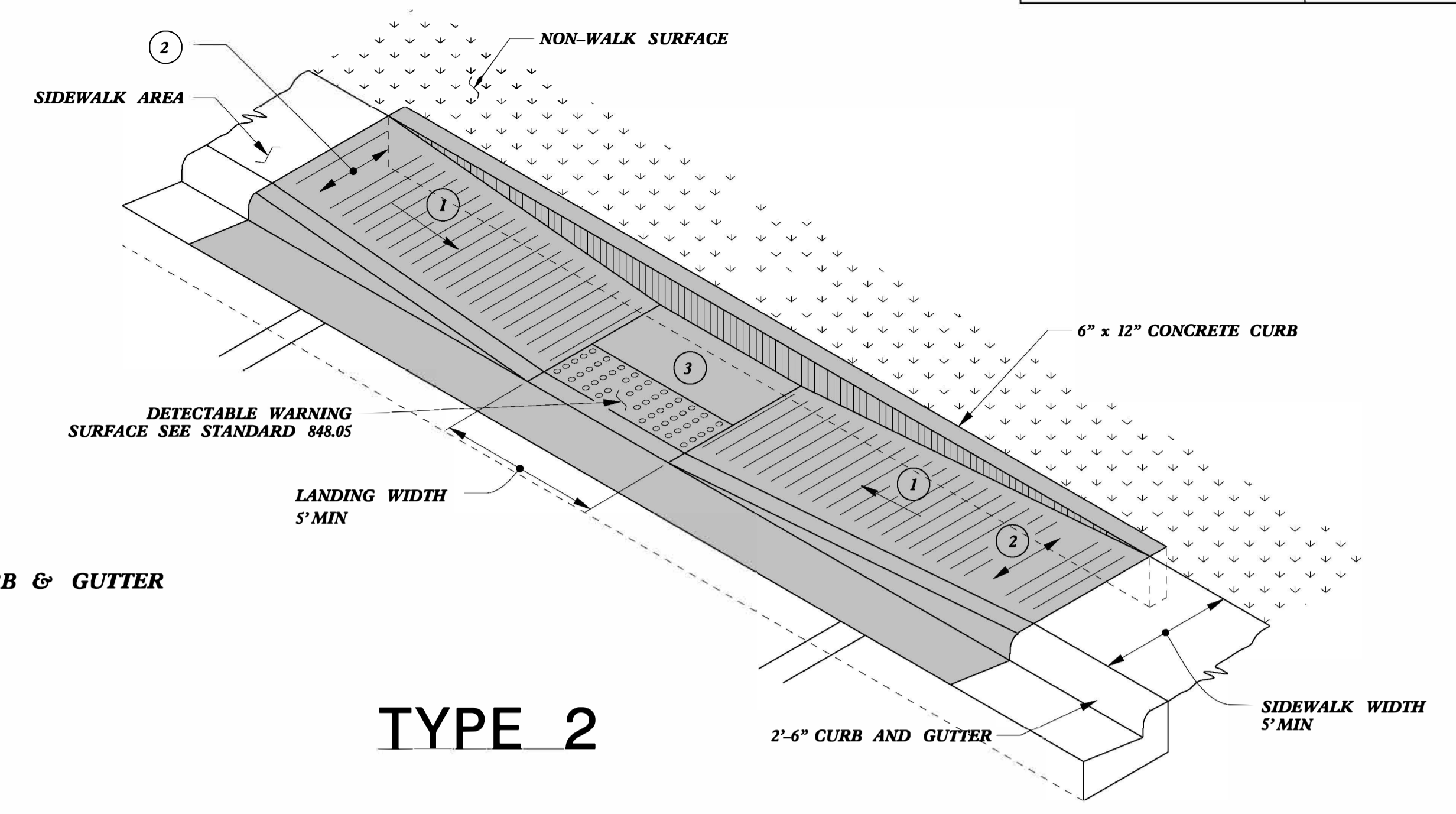
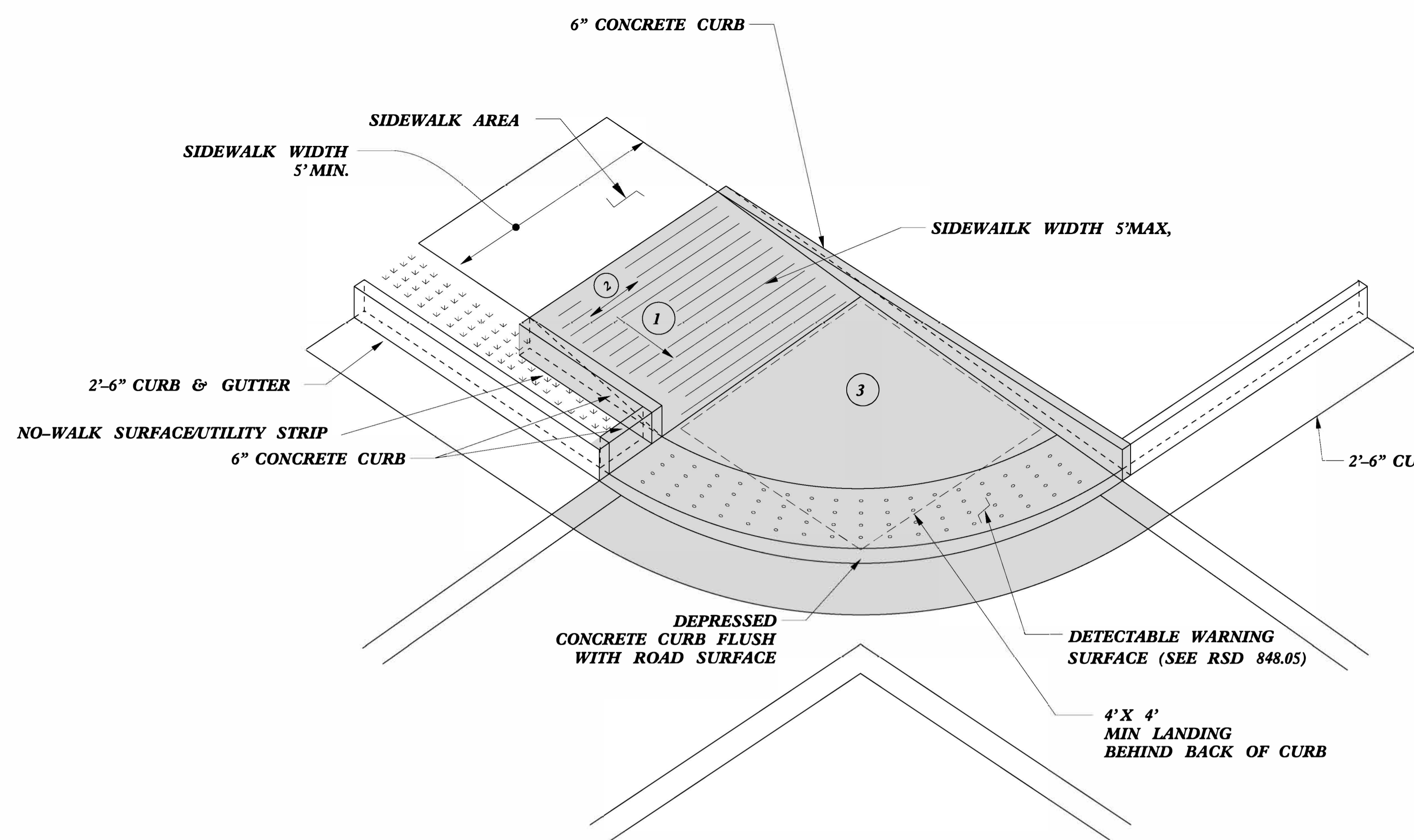
**CONTRACT STANDARDS AND DEVELOPMENT UNIT**  
 Office 919-707-6950 FAX 919-250-4119

**CURB RAMPS**  
 Directional Ramps

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

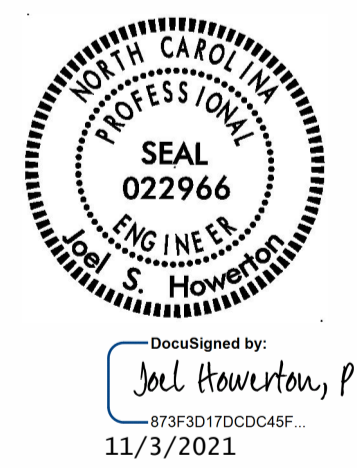
5/14/99





- 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.

PAY LIMITS FOR 1 CURB RAMP



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

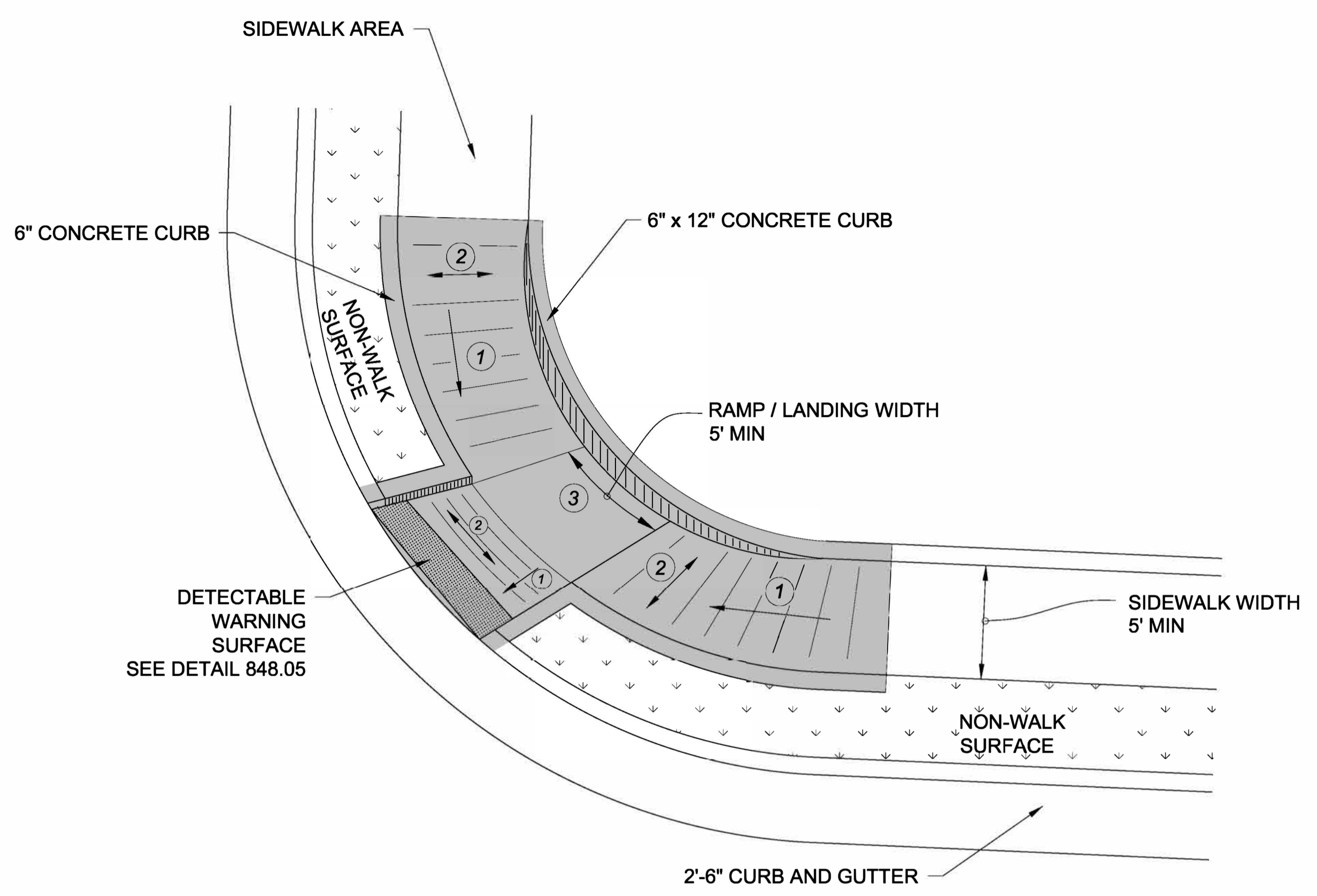
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ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11  
 MODIFIED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
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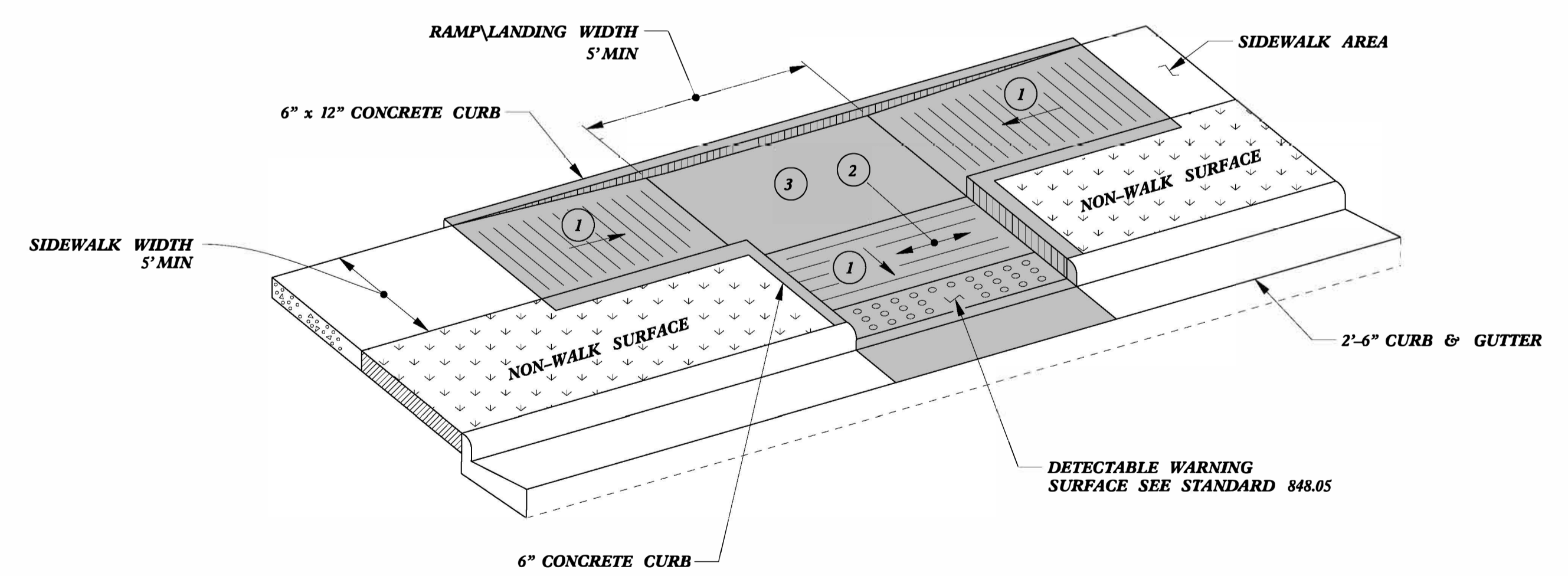
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**PAY LIMITS FOR 1 CURB RAMP**



**TYPE 3 MODIFIED  
INSTALLATION IN A RADIUS**



**TYPE 3**

- 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.

Seal of a Professional Engineer, North Carolina, Seal No. 022966, Joel Howerton, P.E., dated 11/3/2021.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

**CONTRACT STANDARDS AND DEVELOPMENT UNIT**

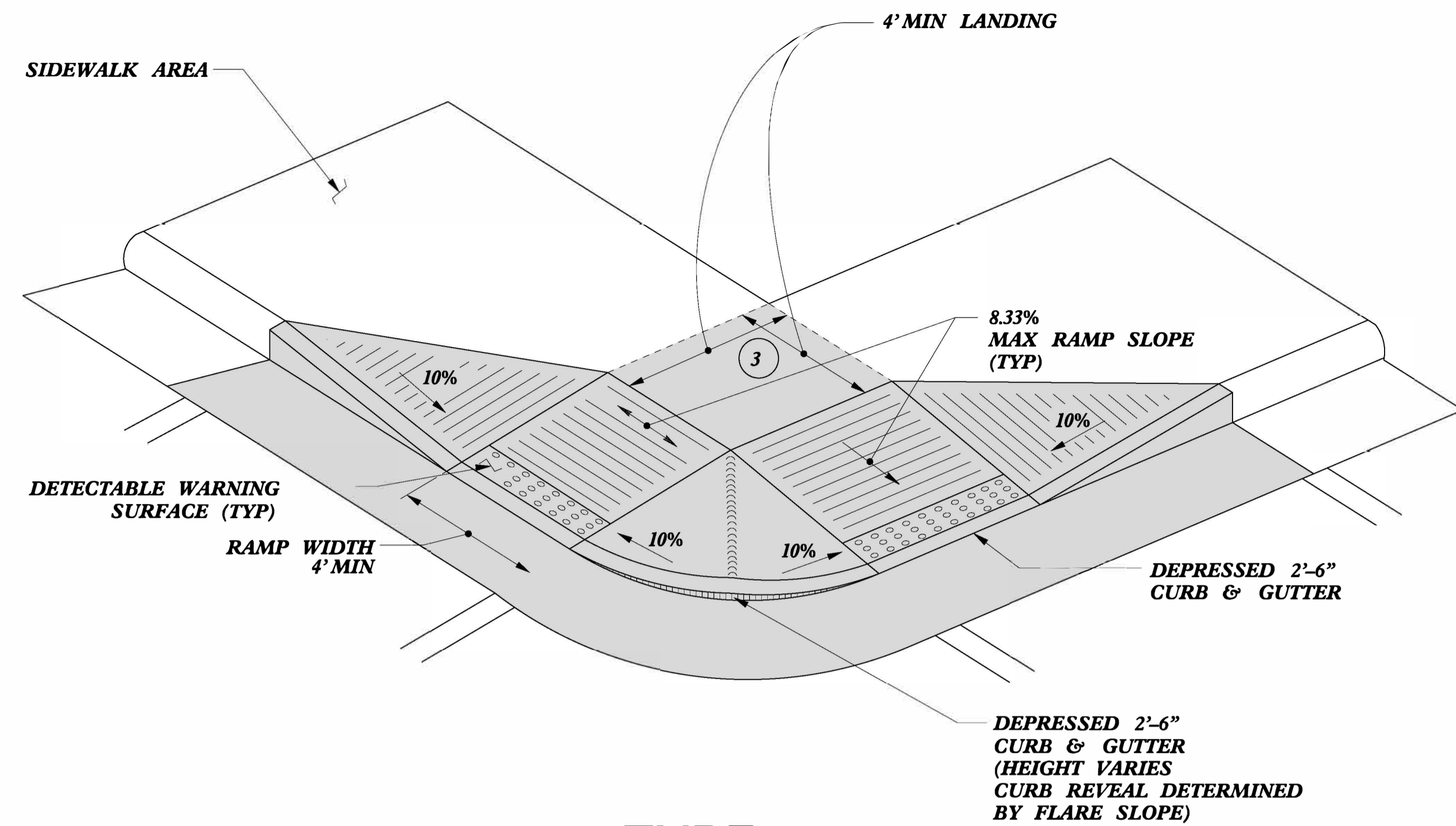
Office 919-707-6950 FAX 919-250-4119

**CURB RAMPS**

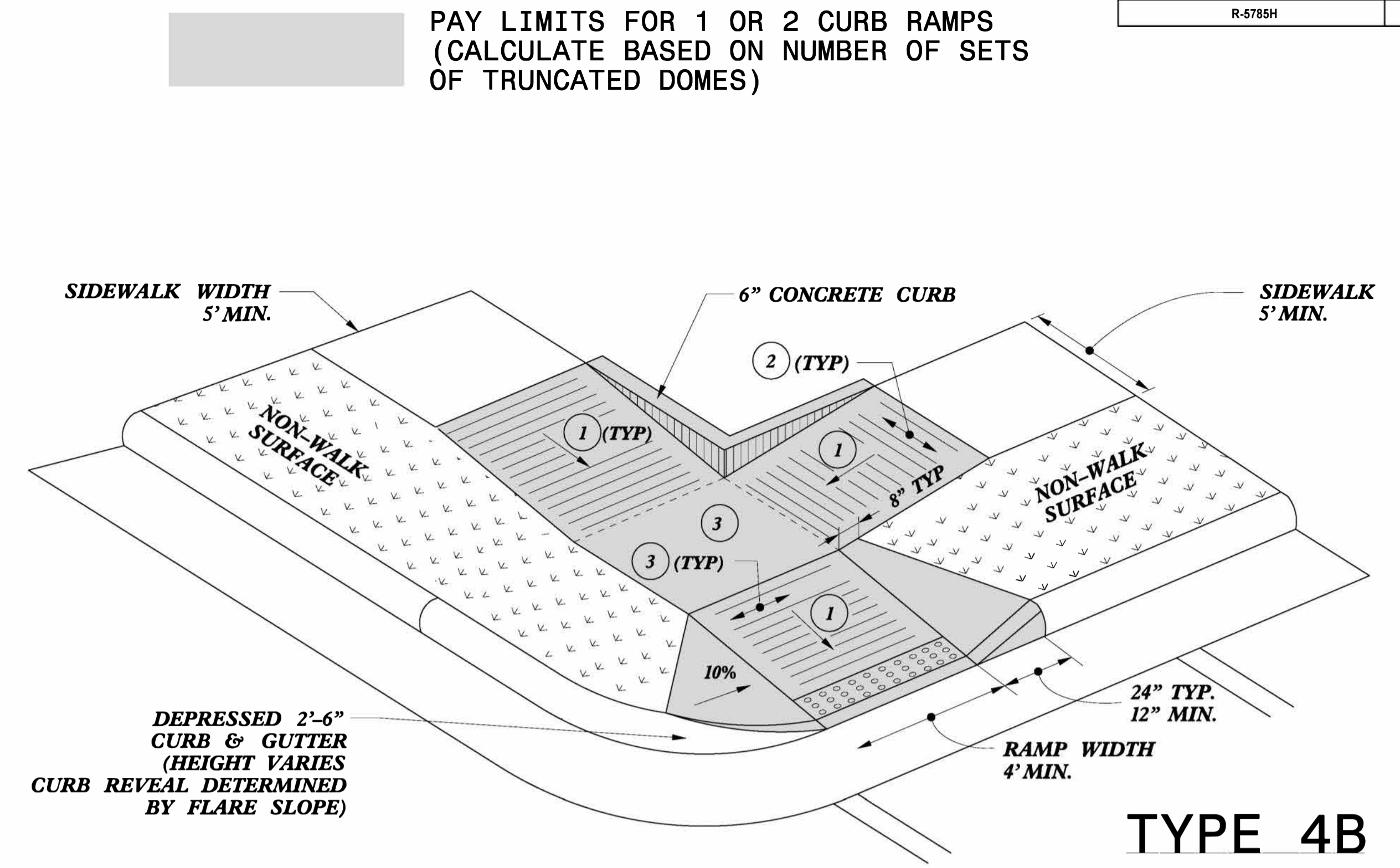
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5/14/99  
 CURB RAMPS  
 11/3/2021

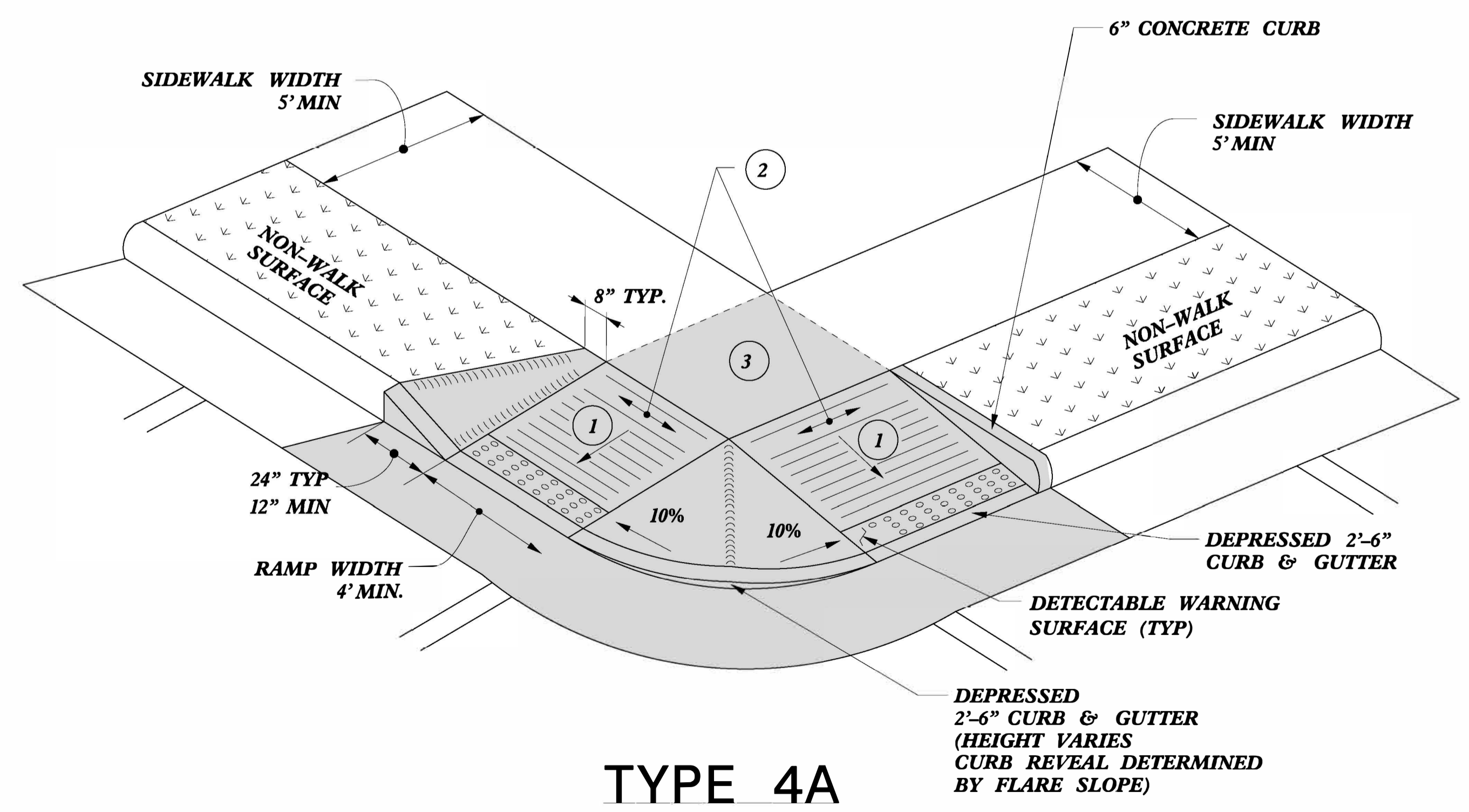




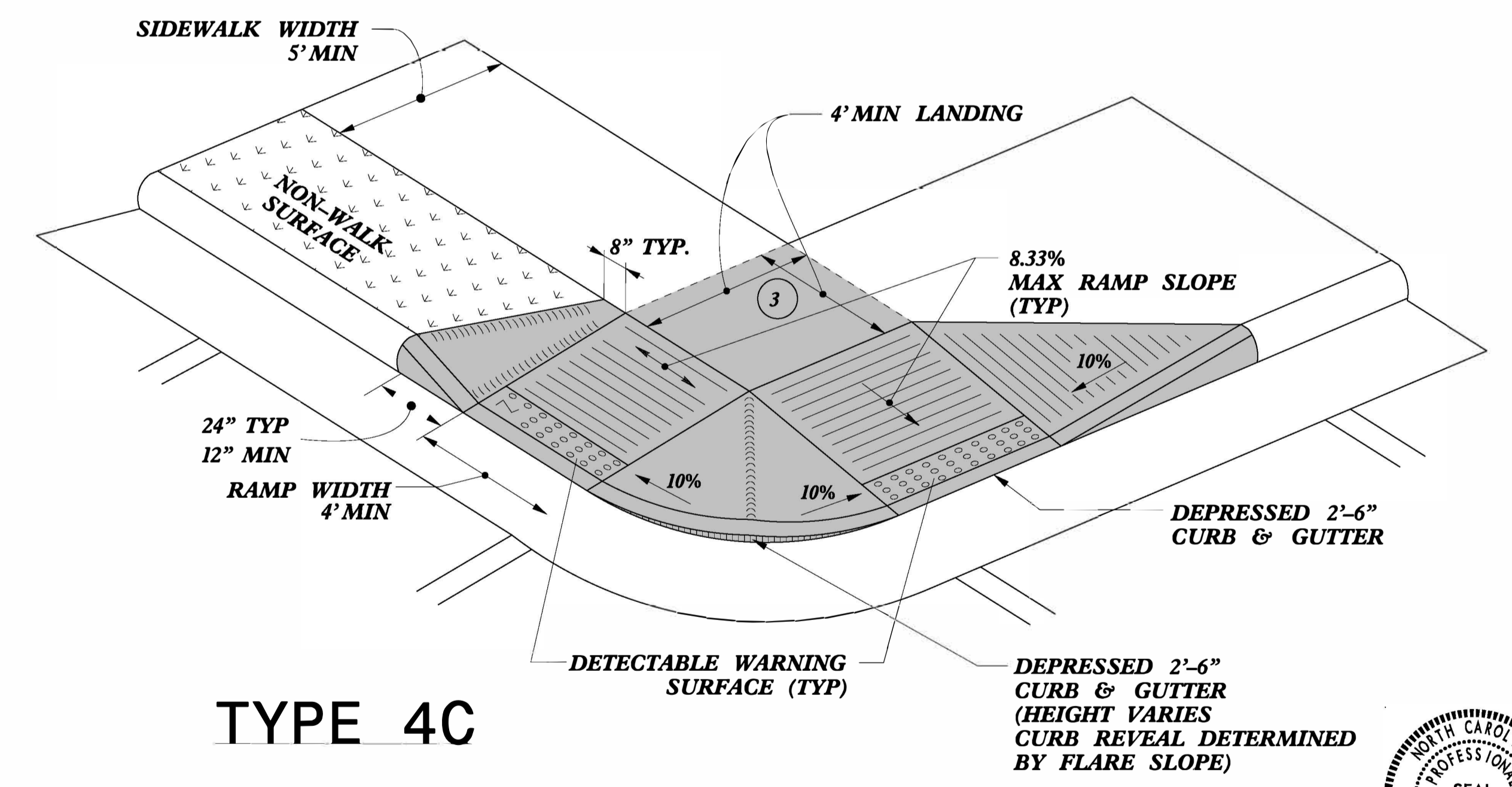
TYPE 4



TYPE 4B



TYPE 4A



TYPE 4C

- 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**

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

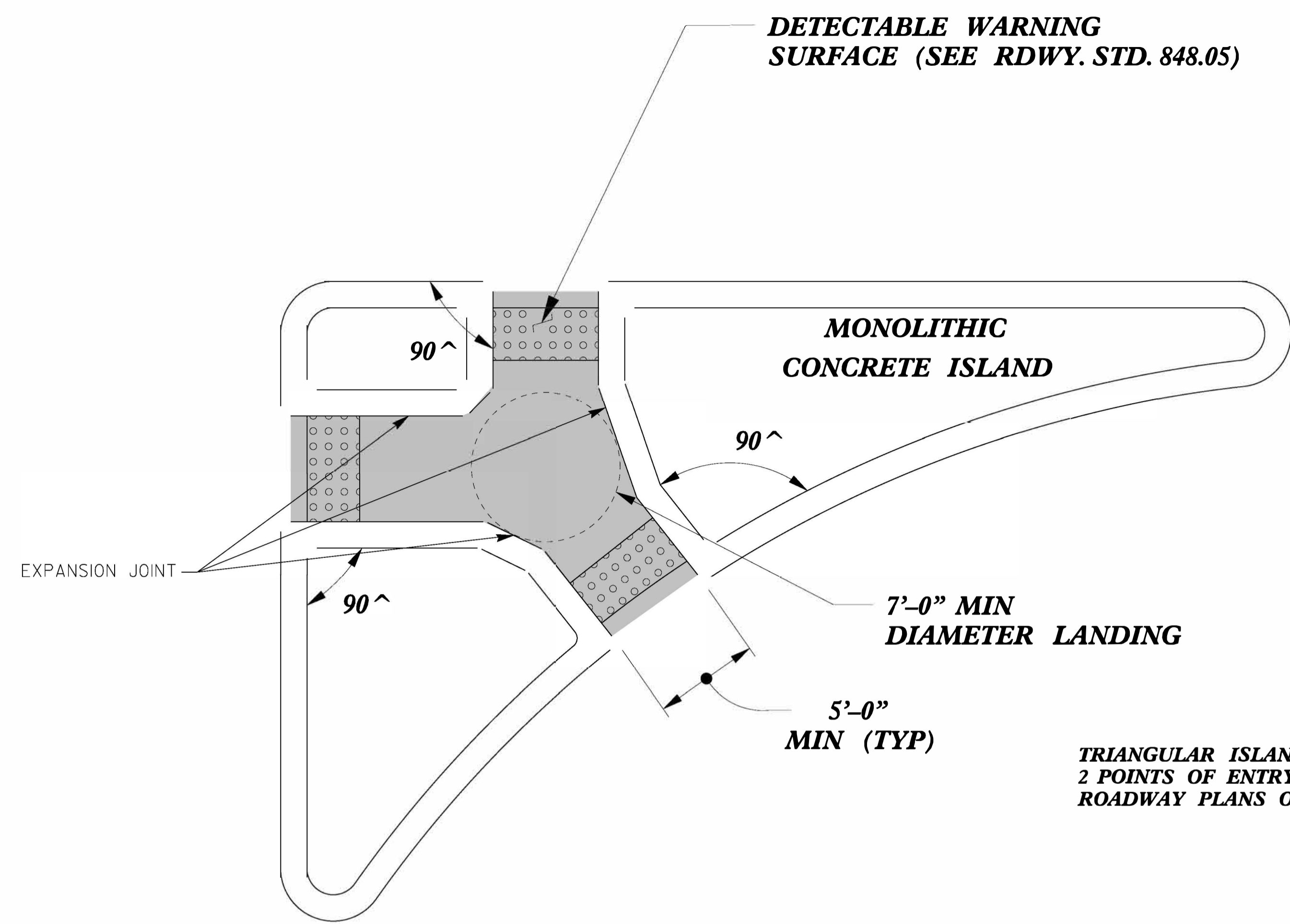
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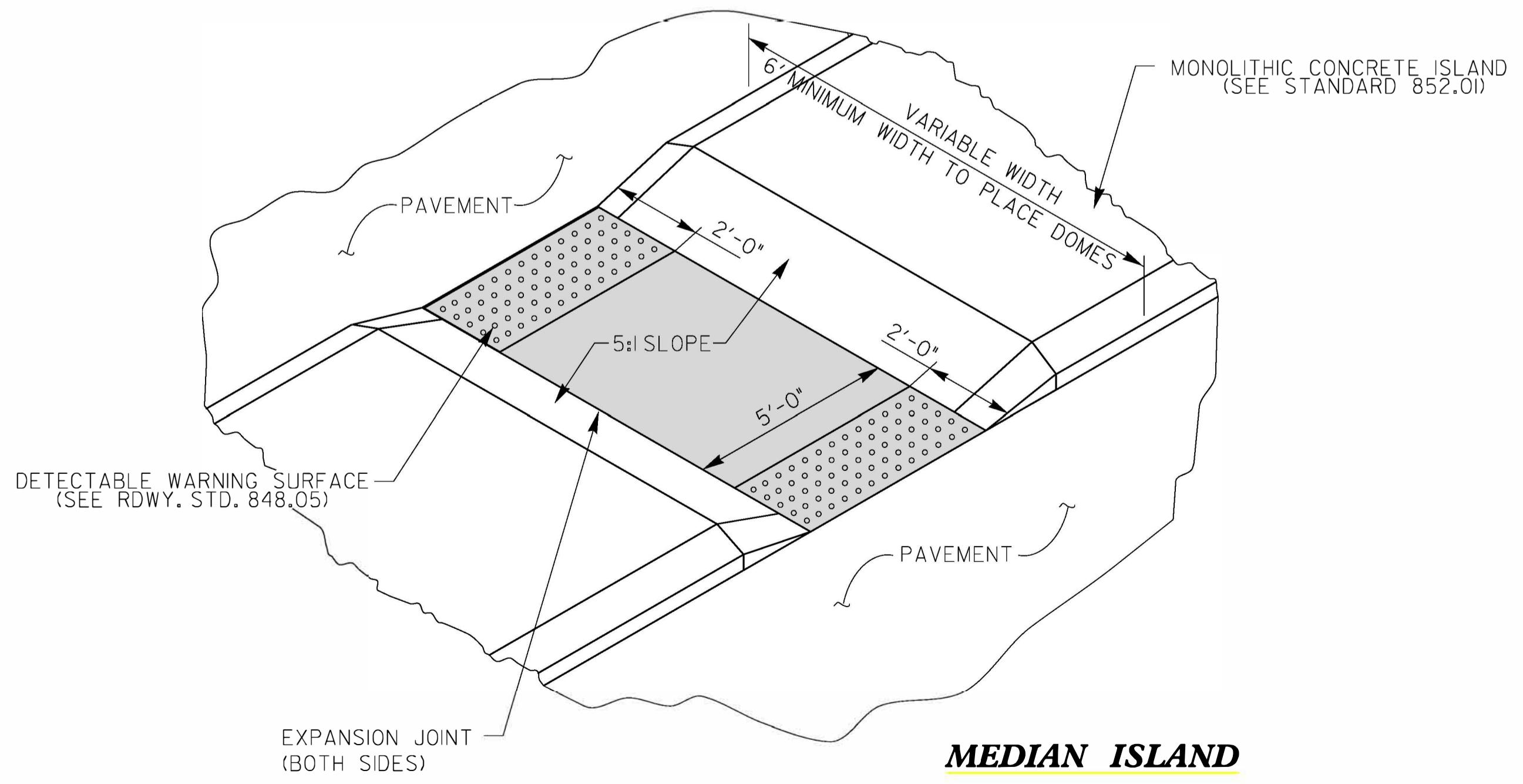


**PAY LIMITS FOR 2 OR 3 CURB RAMPS  
(CALCULATE BASED ON NUMBER OF  
SETS OF TRUNCATED DOMES)**

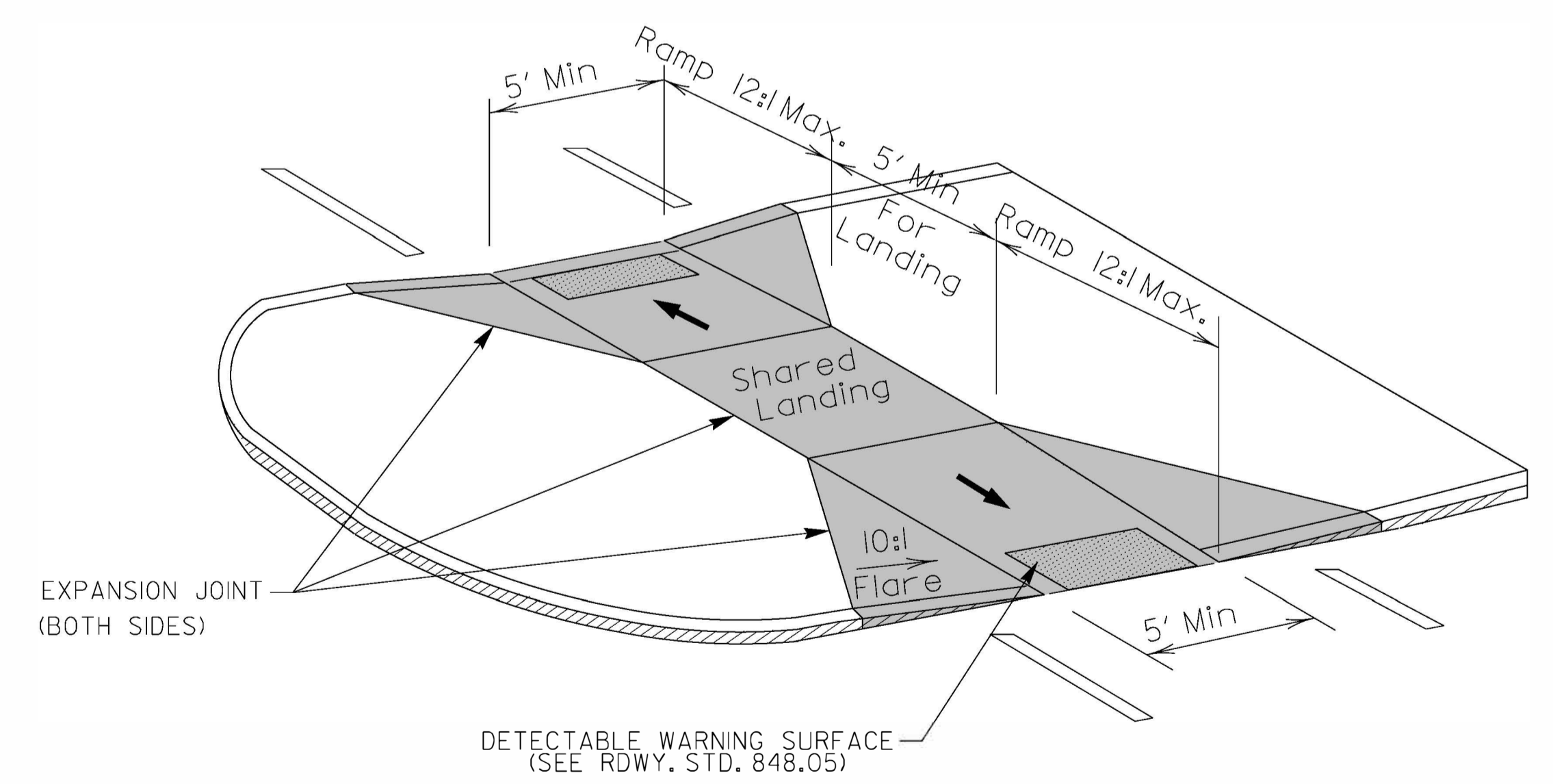


**TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.**

**TRIANGULAR ISLAND WITH CUT THROUGH  
TYPE 6**



**MEDIAN ISLAND WITH CUT THROUGH  
TYPE 7**



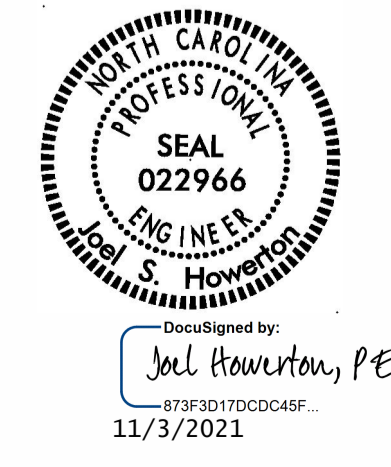
**MEDIAN ISLAND CURB RAMPS  
TYPE 8**

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

**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



DocuSigned by:  
**J.S. Howerton, P.E.**  
873F3D170C8C45F  
11/3/2021

5/14/99  
CYCLIC  
CONCRETE  
SURFACE