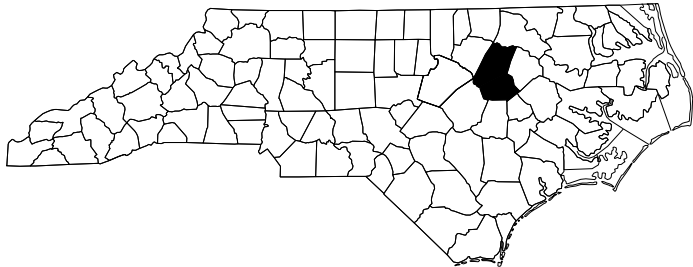


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CONTRACT: DD00518 TIP PROJECT: BO-2404FA/BO-2404FB

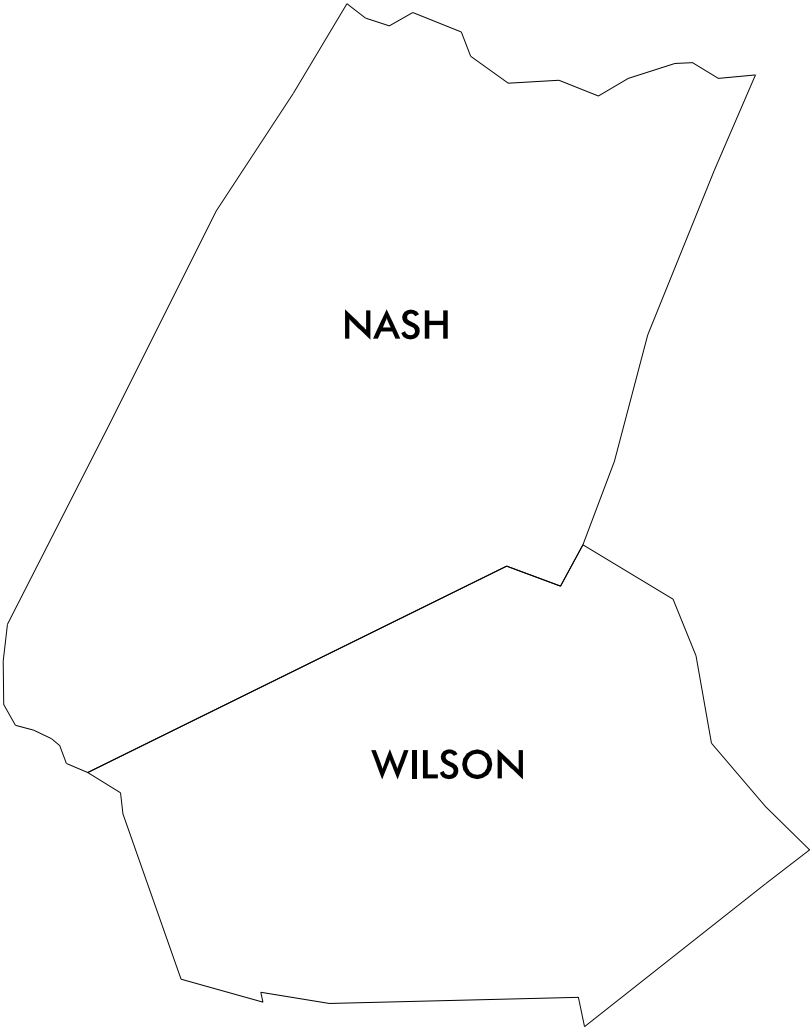


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

DIVISIONWIDE

LOCATION: NASH & WILSON COUNTIES

TYPE OF WORK: CURB RAMP INSTALLATIONS



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	BO-2404FA/BO-2404FB	1	51
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
50933.3.10	50933310	CON (BO-2404FA)	
50933.3.11	50933310	CON (BO-2404FB)	

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

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
5/12/2026

ADDISON GAINEY, PE
PROJECT ENGINEER

NV5
PROJECT DESIGN ENGINEER



ADA SUMMARY OF QUANTITIES - TOTALS

TIP Number:	BO-2404FA
	BO-2404FB
WBS Number:	50933.3.10
	50933.3.11
County:	Nash
	Wilson

Sheet No.
2

TIP	WBS	County	Municipality	0000100000-N (LS) Mobilization	4457000000-N (LS) Temporary Traffic Control	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps
BO-2404FA	50933.3.10	Nash	Bailey (<5K)			0	1.5	8	20	0	3	0	0	3	0	0	0	5	0	0	1
BO-2404FA	50933.3.10	Nash	Dortches (<5K)			0	3.25	198	0	0	0	0	0	0	0	0	0	0	0	0	13
BO-2404FA	50933.3.10	Nash	Middlesex (<5K)			0	1.5	0	12	55	0	0	12	18	0	0	0	3	3	0	0
BO-2404FA	50933.3.10	Nash	Nashville (<5K)			0	1	0	16	0	0	18	0	18	0	2	0	0	0	4	4
BO-2404FA	50933.3.10	Nash	Red Oak (<5K)			0	0.5	0	8	0	3	0	0	0	0	0	0	2	0	0	0
BO-2404FA	50933.3.10	Nash	Rocky Mount (<5K)			0	0.5	0	8	0	0	0	0	0	0	0	0	2	0	0	0
BO-2404FA	50933.3.10	Nash	Spring Hope (<5K)			0	4.25	8	56	9	5	0	18	6	0	0	0	14	2	0	1
BO-2404FA	50933.3.10	Nash	Whitakers (<5K)			0	0.75	0	12	0	6	0	6	4	0	1	0	3	0	0	0
BO-2404FA	50933.3.10	Wilson	Black Creek (<5K)			1	4.25	20	44	35	21	0	0	9	0	0	2	11	3	0	1
BO-2404FA	50933.3.10	Wilson	Elm City (<5K)			6	3	0	44	6	0	0	12	10	0	0	0	11	1	0	0
BO-2404FA	50933.3.10	Wilson	Lucama (<5K)			0	3.5	0	52	15	0	0	12	6	1	0	0	13	1	0	0
BO-2404FA	50933.3.10	Wilson	Unincorporated Areas (<5K)			0	2.25	135	0	0	0	0	0	0	0	0	0	0	0	0	9
BO-2404FA	50933.3.10	Wilson	Sims (<5K)			0	0.5	0	4	0	0	0	6	0	0	0	0	1	1	0	0
BO-2404FA	50933.3.10	Wilson	Stantonsburg (<5K)			2	3.25	40	36	10	45	0	15	0	0	0	0	9	1	0	3
BO-2404FA	50933.3.10	Wilson	Wilson (<5K)			0	3	138	16	0	0	0	9	0	0	0	0	4	0	0	8
BO-2404FA	50933.3.10	-	-	.75	.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal For Below 5,000 Population				.75	.75	9	33	547	328	130	83	18	90	74	1	3	2	78	12	4	40
BO-2404FB	50933.3.11	Wilson	Wilson (5-50K)			0	2	87	0	0	0	0	0	0	0	0	0	0	0	0	5
BO-2404FB	50933.3.11	-	-	.25	.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal For 5,000 - 50,000 Population				.25	.25	0	2	87	0	0	0	0	0	0	0	0	0	0	0	0	5
GRAND TOTAL				1	1	9	35	634	328	130	83	18	90	74	1	3	2	78	12	4	45

Notes: (1) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (2) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.

ADA SUMMARY OF QUANTITIES - BAILEY (< 5,000 POPULATION)

Municipality:	Bailey
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Nash

Sheet No.
3

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1358	1	NC-581 (Main St)	NC-581 (Sanford St)			8						3							1	Remove Ramp
1355	2	NC-581 (Main St)	Bailey Fire Department (6336 Main St)													1				Type 1 Modified - 848.06
1356	2	NC-581 (Main St)	Bailey Fire Department (6336 Main St)													1				Type 1 Modified - 848.06
1357	2	NC-581 (Main St)	Bailey Fire Department (6336 Main St)													1				Type 1 Modified - 848.06
1351	3	NC-581 (Benson St)	NC-581 (Main St)													1				Type 1C - 848.06
1354	3	NC-581 (Benson St)	NC-581 (Main St)						3							1				Type 1 Modified - 848.06
-	-	-	-	-	1.5*	-	20*	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Bailey				0	1.5	8	20	0	3	0	0	3	0	0	0	5	0	0	1	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.

ADA SUMMARY OF QUANTITIES - DORTCHES (< 5,000 POPULATION)

Municipality:	Dortches
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Nash

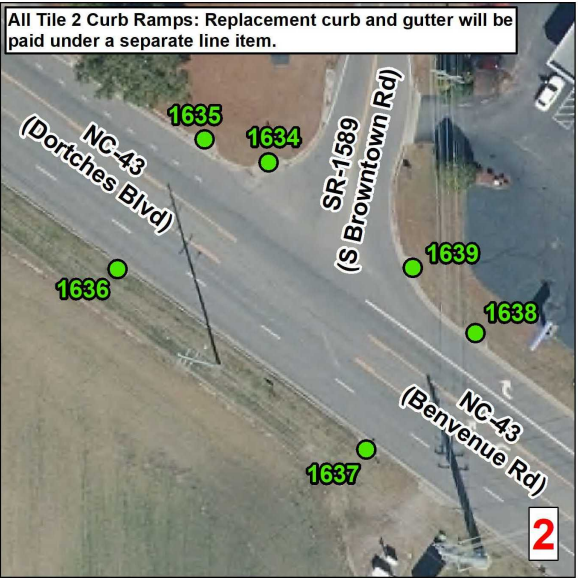
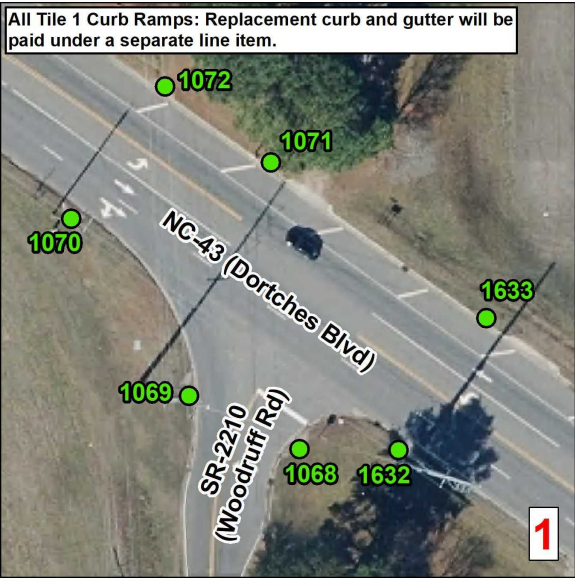
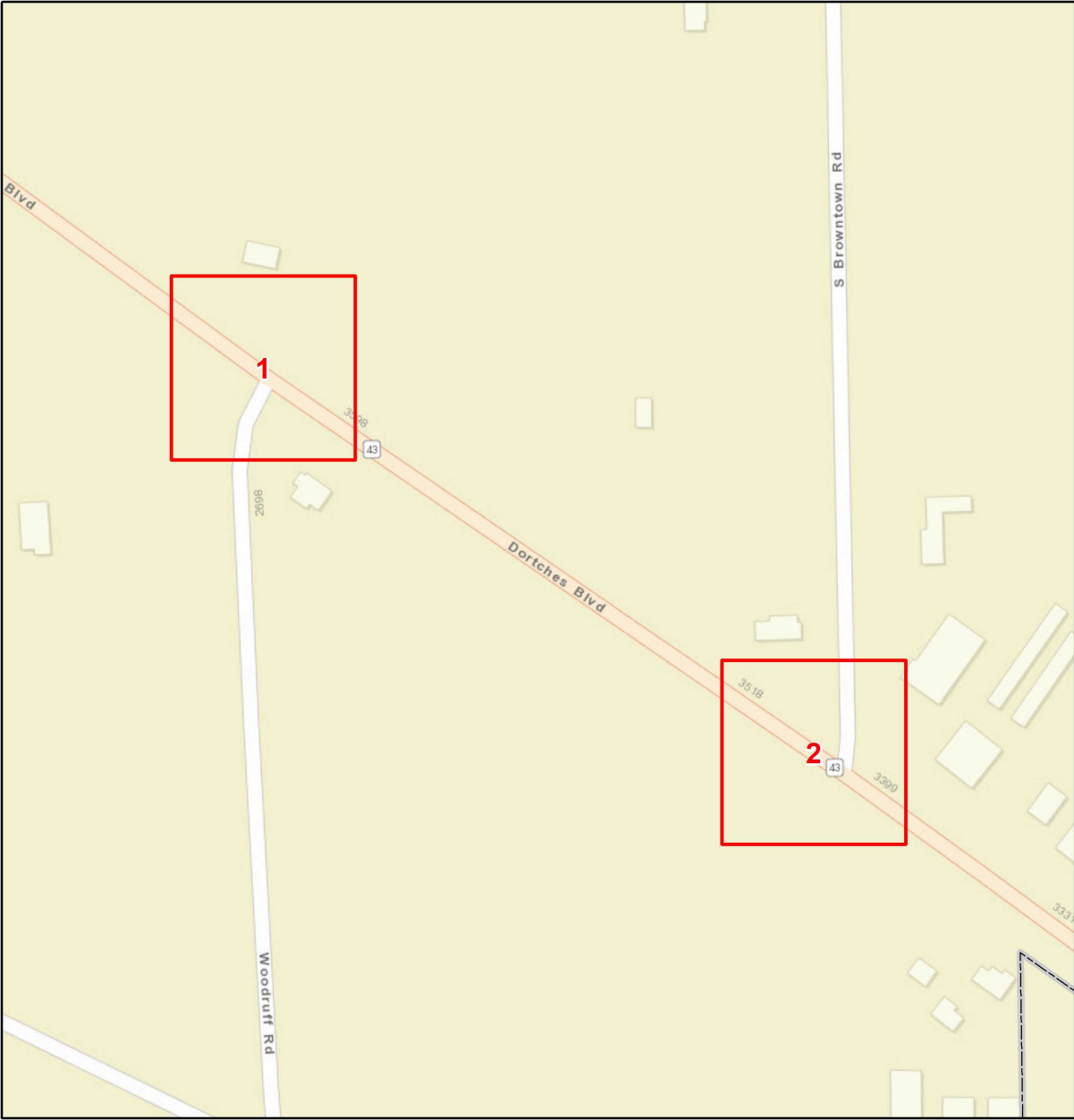
Sheet No.
5

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1068	1	NC-43 (Dortches Blvd)	SR-2210 (Woodruff Rd)			15													1	Remove Ramp
1069	1	NC-43 (Dortches Blvd)	SR-2210 (Woodruff Rd)			15													1	Remove Ramp
1070	1	NC-43 (Dortches Blvd)	SR-2210 (Woodruff Rd)			15													1	Remove Ramp
1071	1	NC-43 (Dortches Blvd)	SR-2210 (Woodruff Rd)			15													1	Remove Ramp
1072	1	NC-43 (Dortches Blvd)	SR-2210 (Woodruff Rd)			15													1	Remove Ramp
1632	1	NC-43 (Dortches Blvd)	SR-2210 (Woodruff Rd)			15													1	Remove Ramp
1633	1	NC-43 (Dortches Blvd)	SR-2210 (Woodruff Rd)			15													1	Remove Ramp
1634	2	NC-43 (Benvenue Rd)	SR-1589 (S Browntown Rd)			18													1	Remove Ramp
1635	2	NC-43 (Benvenue Rd)	SR-1589 (S Browntown Rd)			15													1	Remove Ramp
1636	2	NC-43 (Benvenue Rd)	SR-1589 (S Browntown Rd)			15													1	Remove Ramp
1637	2	NC-43 (Benvenue Rd)	SR-1589 (S Browntown Rd)			15													1	Remove Ramp
1638	2	NC-43 (Benvenue Rd)	SR-1589 (S Browntown Rd)			15													1	Remove Ramp
1639	2	NC-43 (Benvenue Rd)	SR-1589 (S Browntown Rd)			15													1	Remove Ramp
-	-	-	-	-	3.25*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Dortches				0	3.25	198	0	0	0	0	0	0	0	0	0	0	0	0	13	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



Curb Ramps To Be Repaired

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

Municipal Boundary

Census Urban Areas (>5,000 Pop)

NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas <5,000 Population
Municipality: Dortches
TIP Number: BO-2404FA
WBS Number: 50933.3.10
County: Nash

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 4

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

ADA SUMMARY OF QUANTITIES - MIDDLESEX (< 5,000 POPULATION)

Municipality:	Middlesex
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Nash

Sheet No.
7

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1377	1	SR-1120 (W Hanes Ave)	Morgan St					15				6					1			Type 1C - 848.06
1375	2	SR-1120 (W Hanes Ave)	Manning St					20				6					1			Type 1C - 848.06
1376	2	SR-1120 (W Hanes Ave)	Manning St					20				6					1			Type 1C - 848.06
1364	3	NC-231 (S Nash St)	E Hanes Ave													1				Standard - 848.06
1369	4	NC-231 (S Nash St)	Business (10186 S Nash St)													1				Type 1 - 848.06
1370	4	NC-231 (S Nash St)	Business (10186 S Nash St)													1				Type 1 Modified - 848.06
-	-	-	-	-	1.5*	-	12*	-	-	-	12*	-	-	-	-	-	-	-	-	
Sub-Total for Middlesex				0	1.5	0	12	55	0	0	12	18	0	0	0	3	3	0	0	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.

ADA SUMMARY OF QUANTITIES - NASHVILLE (< 5,000 POPULATION)

Municipality:	Nashville
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Nash

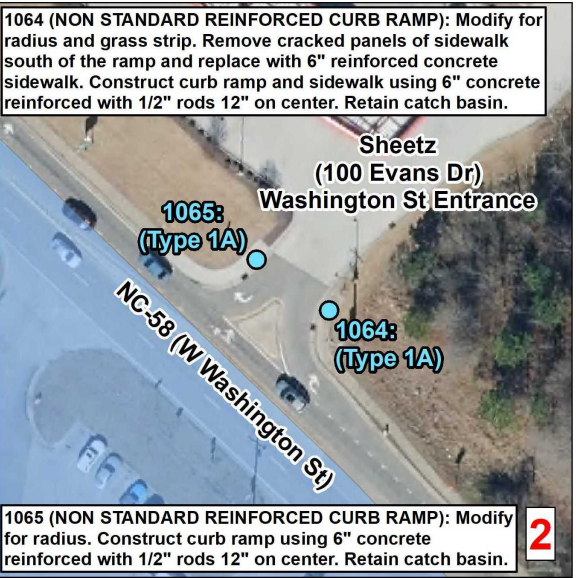
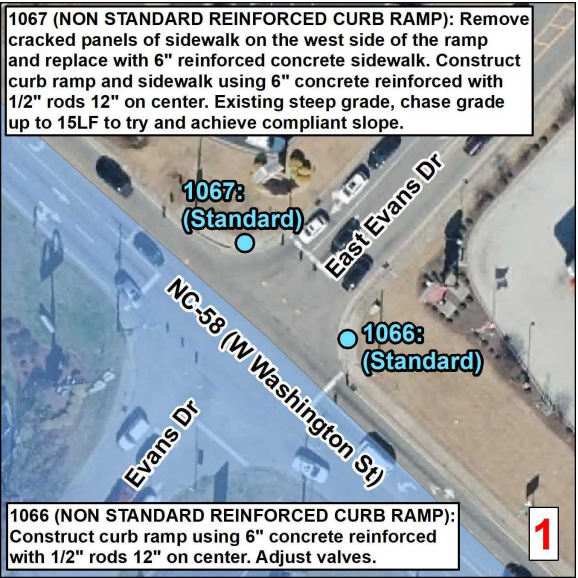
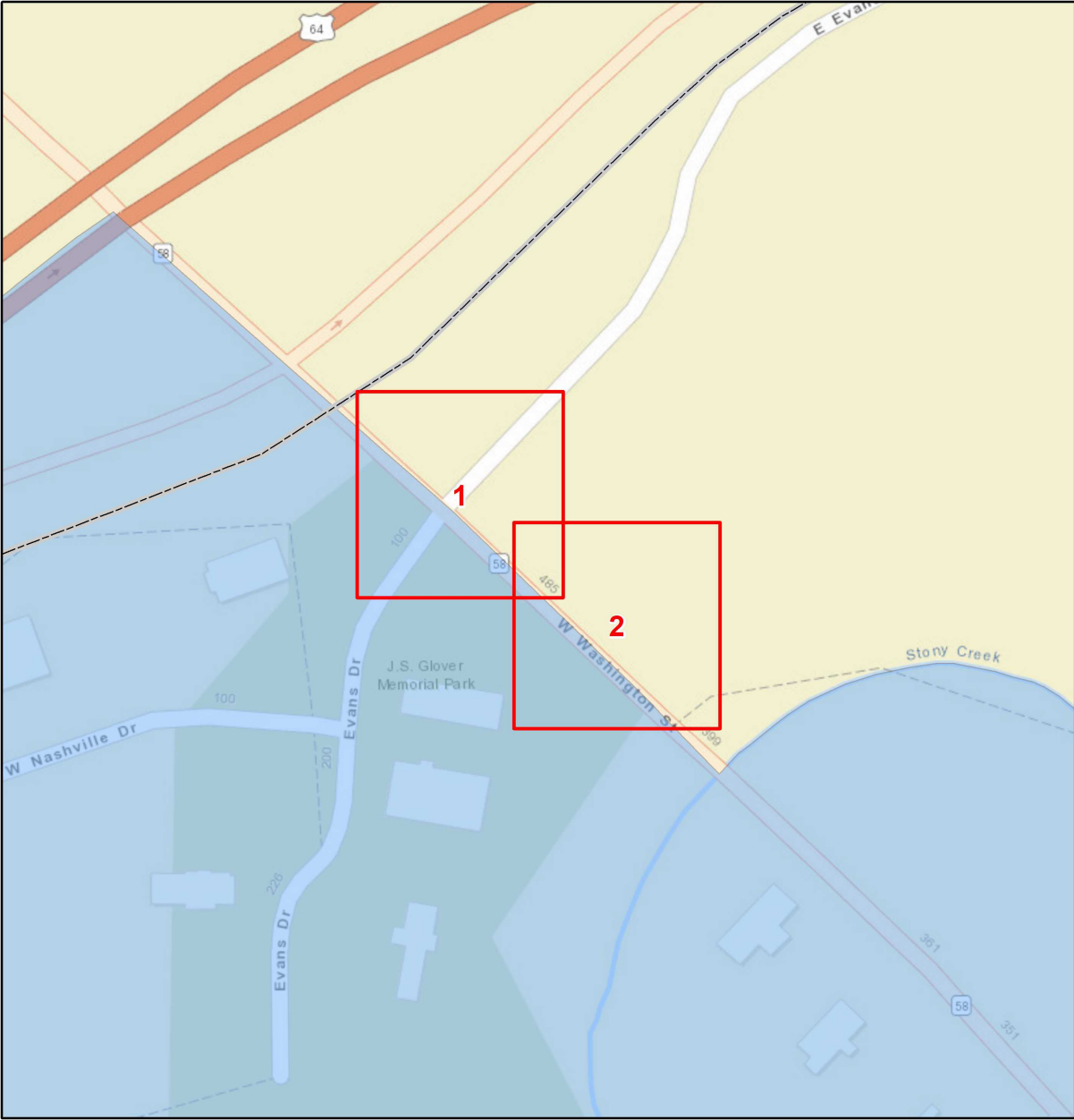
Sheet No.
9

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1066	1	NC-58 (W Washington St)	East Evans Dr											2				1	1	Standard - 848.06
1067	1	NC-58 (W Washington St)	East Evans Dr							9		9						1	1	Standard - 848.06
1064	2	NC-58 (W Washington St)	Sheetz (100 Evans Dr) Washington St Entrance							9		9						1	1	Type 1A - 848.06
1065	2	NC-58 (W Washington St)	Sheetz (100 Evans Dr) Washington St Entrance															1	1	Type 1A - 848.06
-	-	-	-	-	1*	-	16*	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Nashville				0	1	0	16	0	0	18	0	18	0	2	0	0	0	4	4	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



Curb Ramps To Be Repaired

Retrofit

Remove and Replace

New Curb Ramp

Remove Ramp

Other

Municipal Boundary

Census Urban Areas (>5,000 Pop)

NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas <5,000 Population

Municipality: Nashville

TIP Number: BO-2404FA

WBS Number: 50933.3.10

County: Nash

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION 4

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

ADA SUMMARY OF QUANTITIES - RED OAK (< 5,000 POPULATION)

Municipality:	Red Oak
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Nash

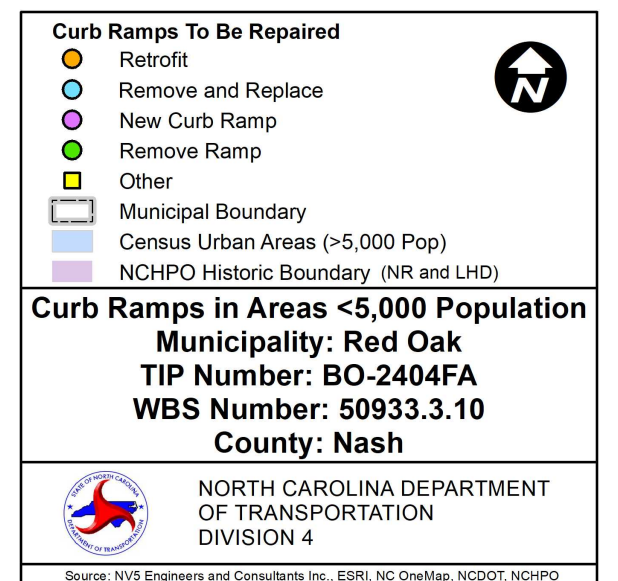
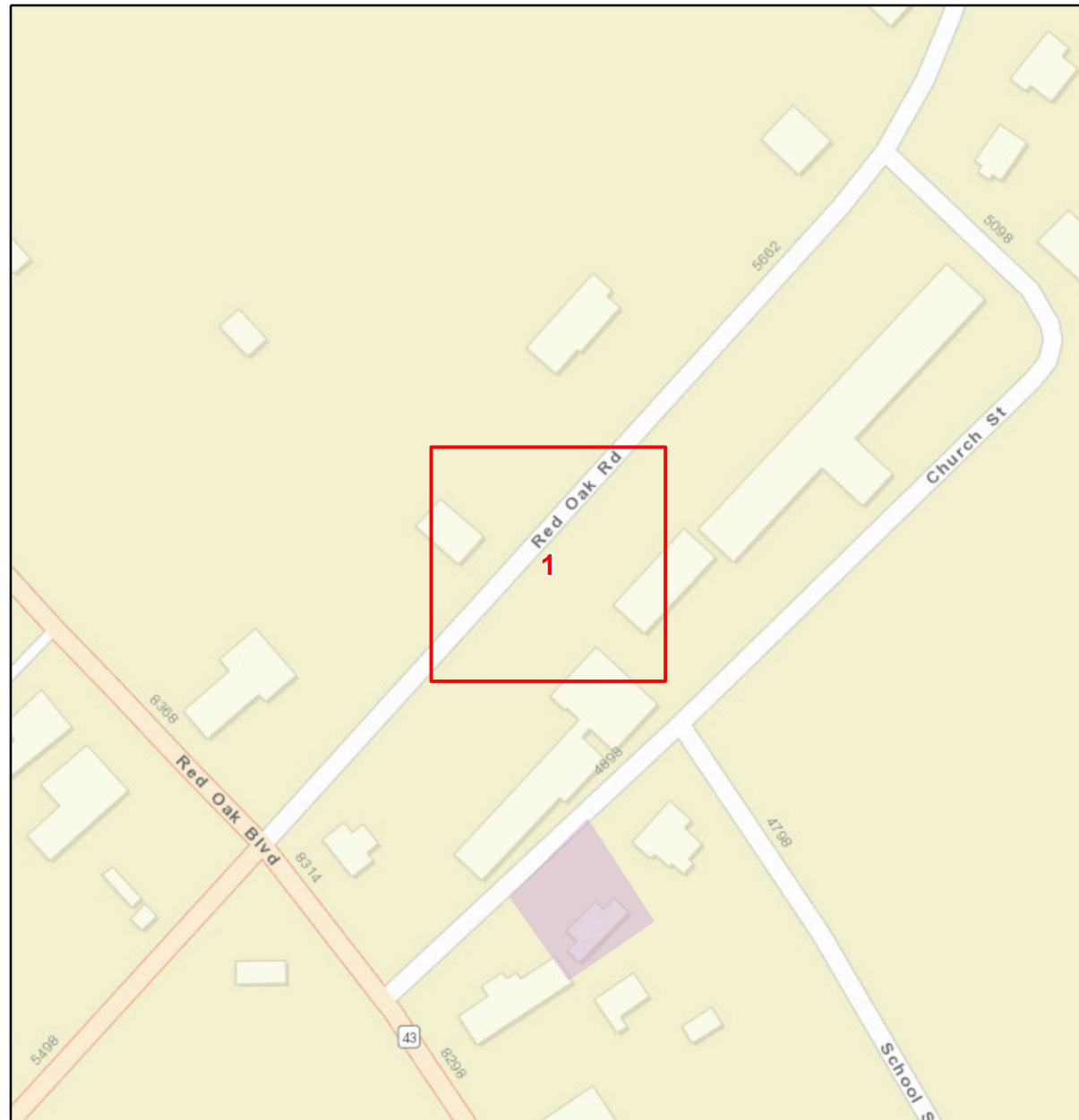
Sheet No.
11

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
919	1	SR-1003 (Red Oak Rd)	Red Oak Elementary School (5603 Red Oak Rd) South Entrance													1				Type 1A - 848.06
920	1	SR-1003 (Red Oak Rd)	Red Oak Elementary School (5603 Red Oak Rd) South Entrance						3							1				Type 1C - 848.06
-	-	-	-	-	0.5*	-	8*	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Red Oak				0	0.5	0	8	0	3	0	0	0	0	0	0	2	0	0	0	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



ADA SUMMARY OF QUANTITIES - ROCKY MOUNT (< 5,000 POPULATION)

Municipality:	Rocky Mount
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Nash

Sheet No.
13

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1073**	1	NC-43 (Benvenue Rd)	Crossroads Baptist Church (3224 Benvenue Rd)													1				Type 1 Modified - 848.06
1074**	1	NC-43 (Benvenue Rd)	Crossroads Baptist Church (3224 Benvenue Rd)													1				Type 1 Modified - 848.06
-	-	-	-	-	0.5*	-	8*	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Rocky Mount				0	0.5	0	8	0	0	0	0	0	0	0	0	2	0	0	0	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.

ADA SUMMARY OF QUANTITIES - SPRING HOPE (< 5,000 POPULATION)

Municipality:	Spring Hope
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Nash

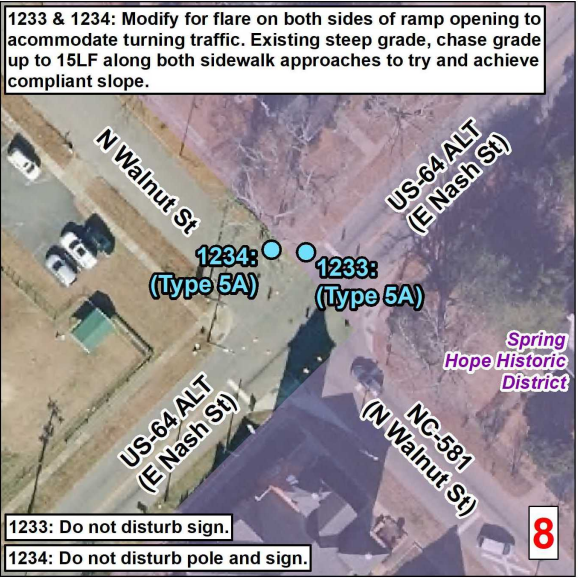
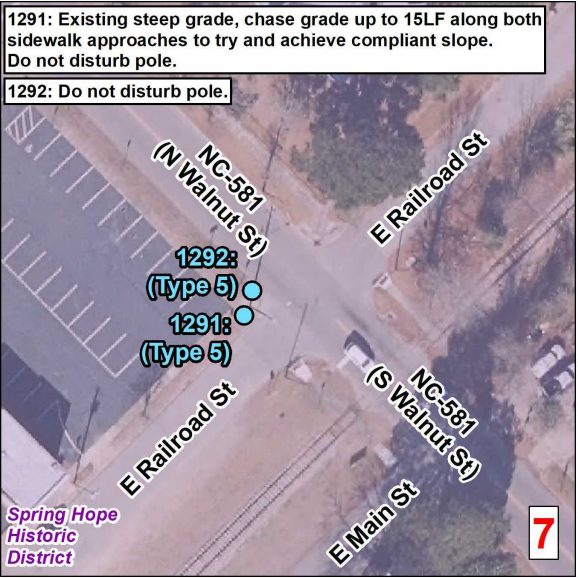
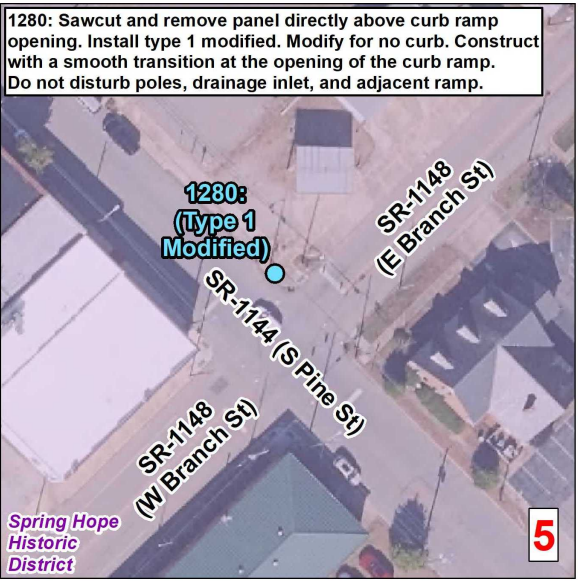
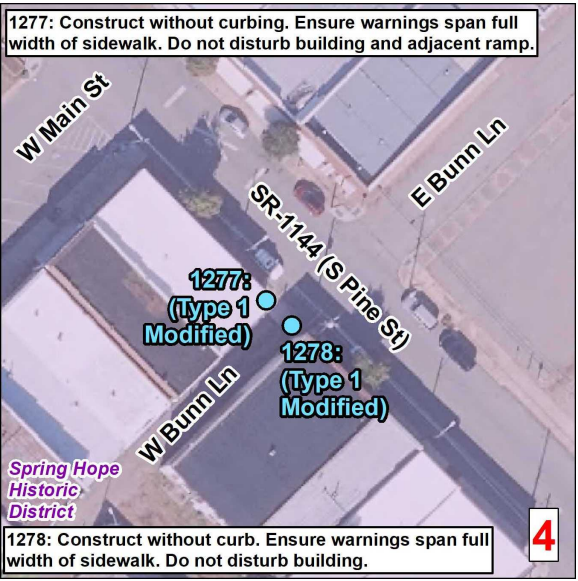
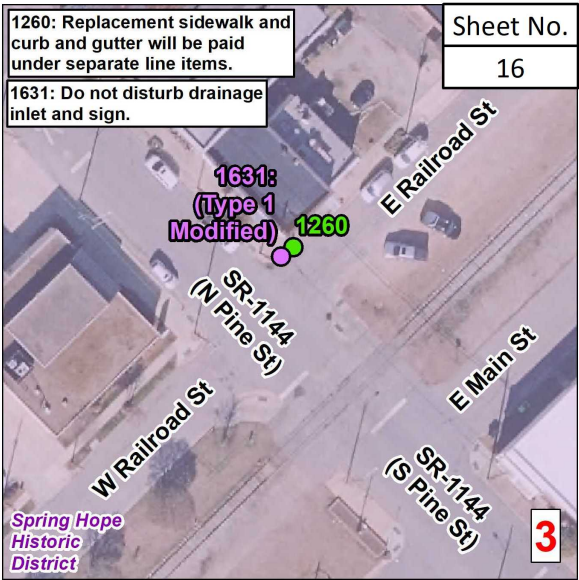
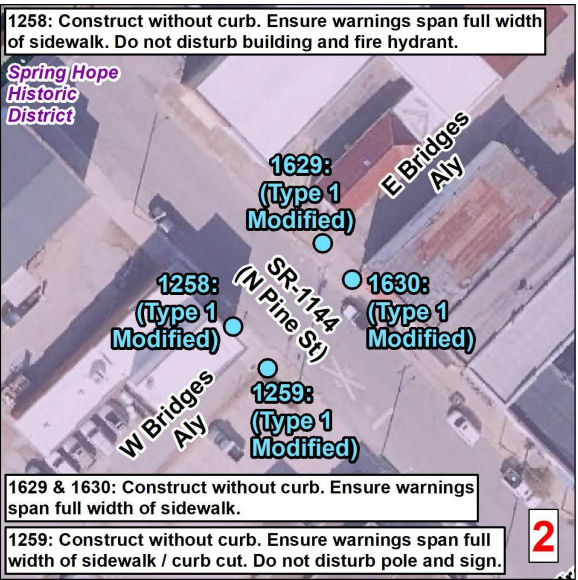
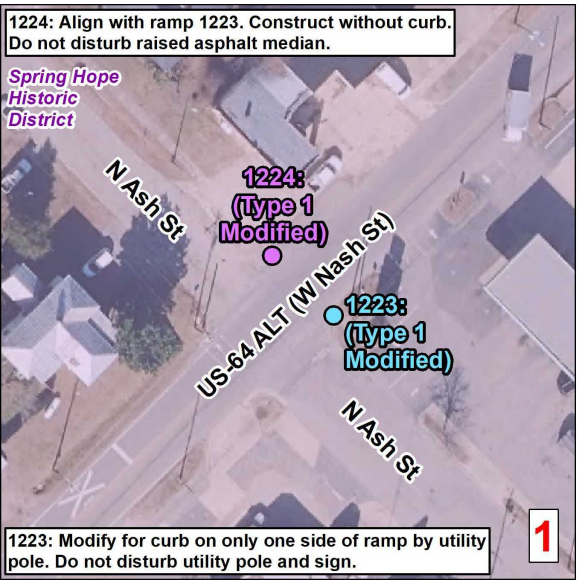
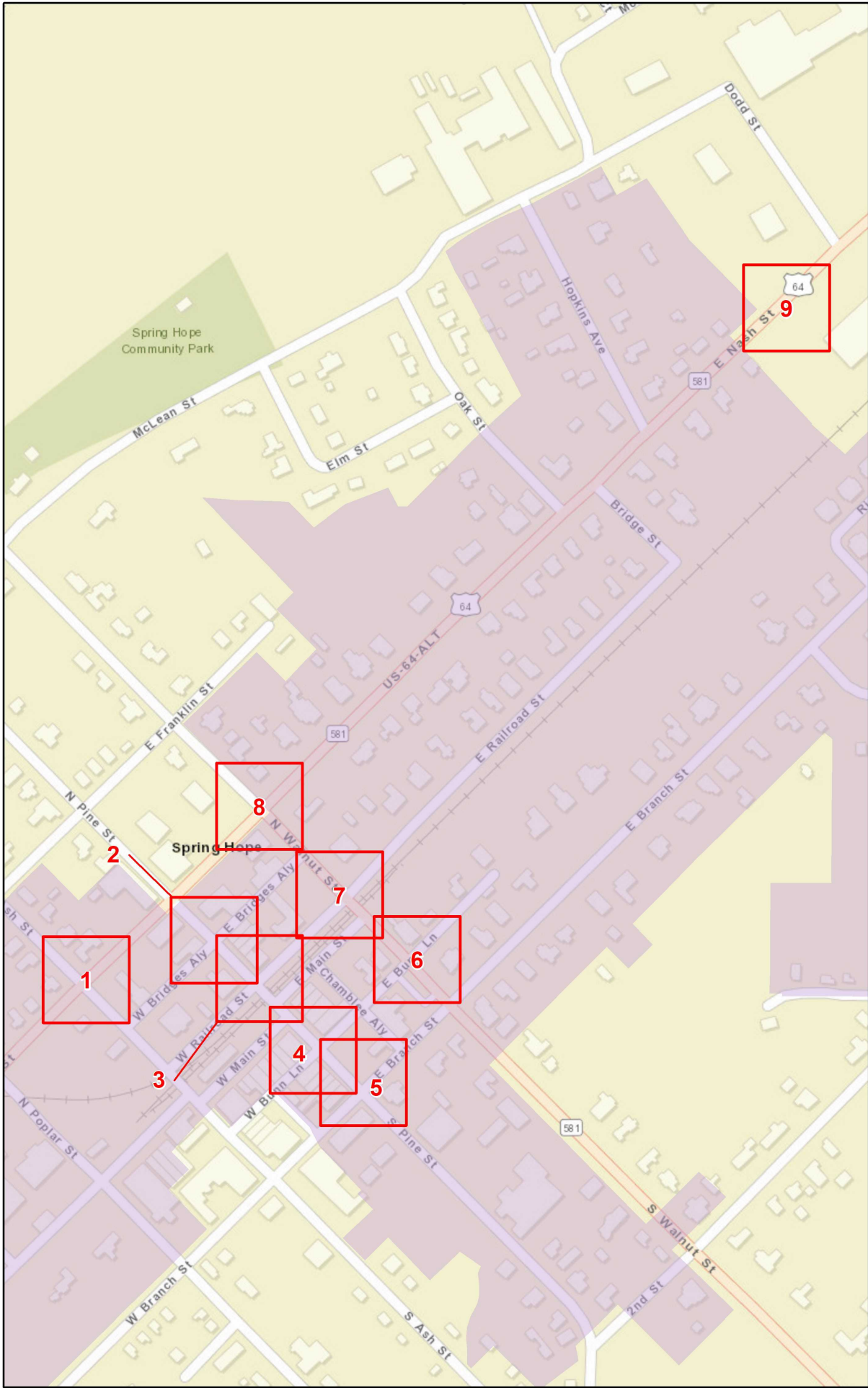
Sheet No.
15

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1223	1	US-64 ALT (W Nash St)	N Ash St													1				Type 1 Modified - 848.06
1224	1	US-64 ALT (W Nash St)	N Ash St														1			Type 1 Modified - 848.06
1258	2	SR-1144 (N Pine St)	W Bridges Aly													1				Type 1 Modified - 848.06
1259	2	SR-1144 (N Pine St)	W Bridges Aly													1				Type 1 Modified - 848.06
1629	2	SR-1144 (N Pine St)	E Bridges Aly													1				Type 1 Modified - 848.06
1630	2	SR-1144 (N Pine St)	E Bridges Aly													1				Type 1 Modified - 848.06
1260	3	SR-1144 (N Pine St)	E Railroad St			8			5										1	Remove Ramp
1631	3	SR-1144 (N Pine St)	E Railroad St					9				6					1			Type 1 Modified - 848.06
1277	4	SR-1144 (S Pine St)	W Bunn Ln													1				Type 1 Modified - 848.06
1278	4	SR-1144 (S Pine St)	W Bunn Ln													1				Type 1 Modified - 848.06
1280	5	SR-1144 (S Pine St)	SR-1148 (E Branch St)													1				Type 1 Modified - 848.06
1296	6	NC-581 (S Walnut St)	E Bunn Ln													1				Type 1 Modified - 848.06
1291	7	NC-581 (N Walnut St)	E Railroad St													1				Type 5 - 848.06
1292**	7	NC-581 (N Walnut St)	E Railroad St													1				Type 5 - 848.06
1233**	8	US-64 ALT (E Nash St)	N Walnut St													1				Type 5A - 848.06
1234	8	US-64 ALT (E Nash St)	N Walnut St													1				Type 5A - 848.06
1253	9	US-64 ALT (E Nash St)	AutoZone (518 E Nash St)													1				Standard - 848.06
-	-	-	-	-	4.25*	-	56*	-	-	-	18*	-	-	-	-	-	-	-	-	
Sub-Total for Spring Hope				0	4.25	8	56	9	5	0	18	6	0	0	0	14	2	0	1	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



Curb Ramps To Be Repaired

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

▭ Municipal Boundary

▭ Census Urban Areas (>5,000 Pop)

▭ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas <5,000 Population

Municipality: Spring Hope

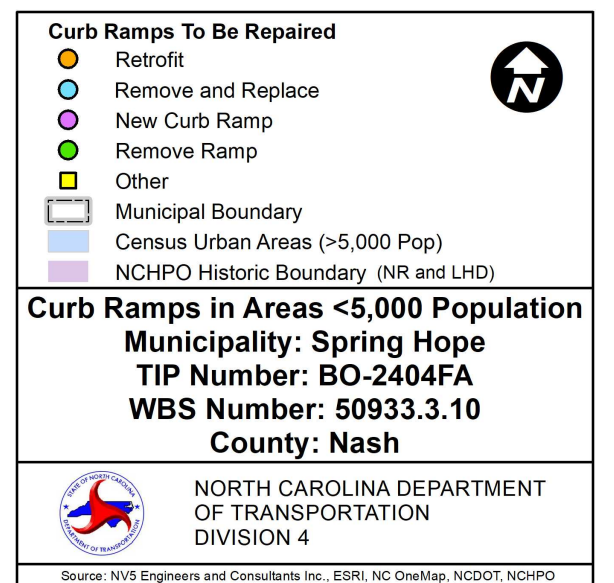
TIP Number: BO-2404FA

WBS Number: 50933.3.10

County: Nash

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 4

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



ADA SUMMARY OF QUANTITIES - WHITAKERS (< 5,000 POPULATION)

Municipality:	Whitakers
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Nash

Sheet No.
18

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
935	1	SR-1518 (W Pippen St)	N Wilson St													1				Type 1 Modified - 848.06
938	2	SR-1518 (W Pippen St)	N New St								6					1				Type 1 Modified - 848.06
939**	2	SR-1518 (W Pippen St)	N New St						6											Other
958	2	SR-1518 (W Pippen St)	N New St									4								Other
943	3	NC-33 (W Pippen St)	US-301 (S White St)											1		1				Type 1A - 848.06
-	-	-	-	-	0.75*	-	12*	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Whitakers				0	0.75	0	12	0	6	0	6	4	0	1	0	3	0	0	0	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.

ADA SUMMARY OF QUANTITIES - BLACK CREEK (< 5,000 POPULATION)

Municipality:	Black Creek
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Wilson

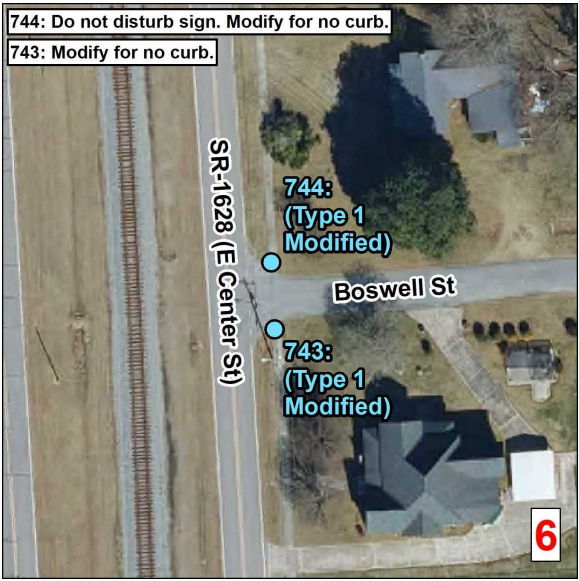
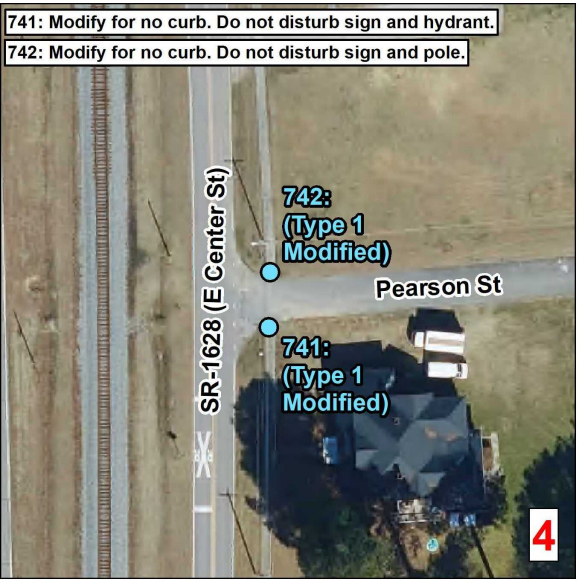
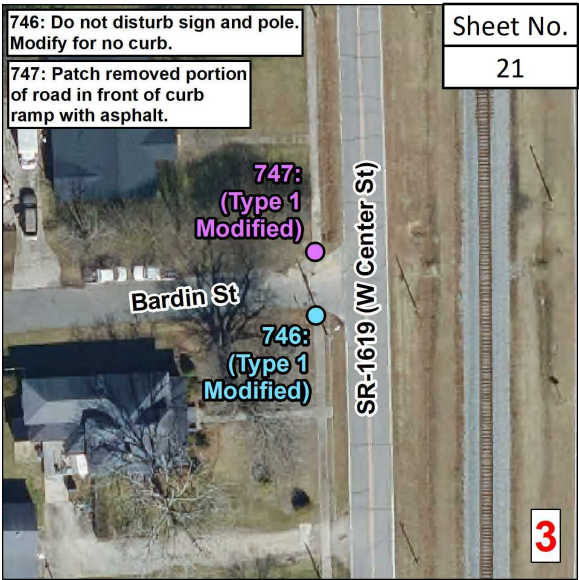
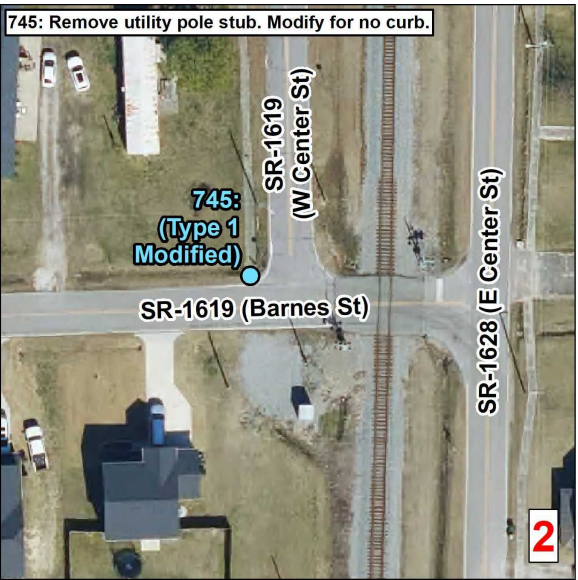
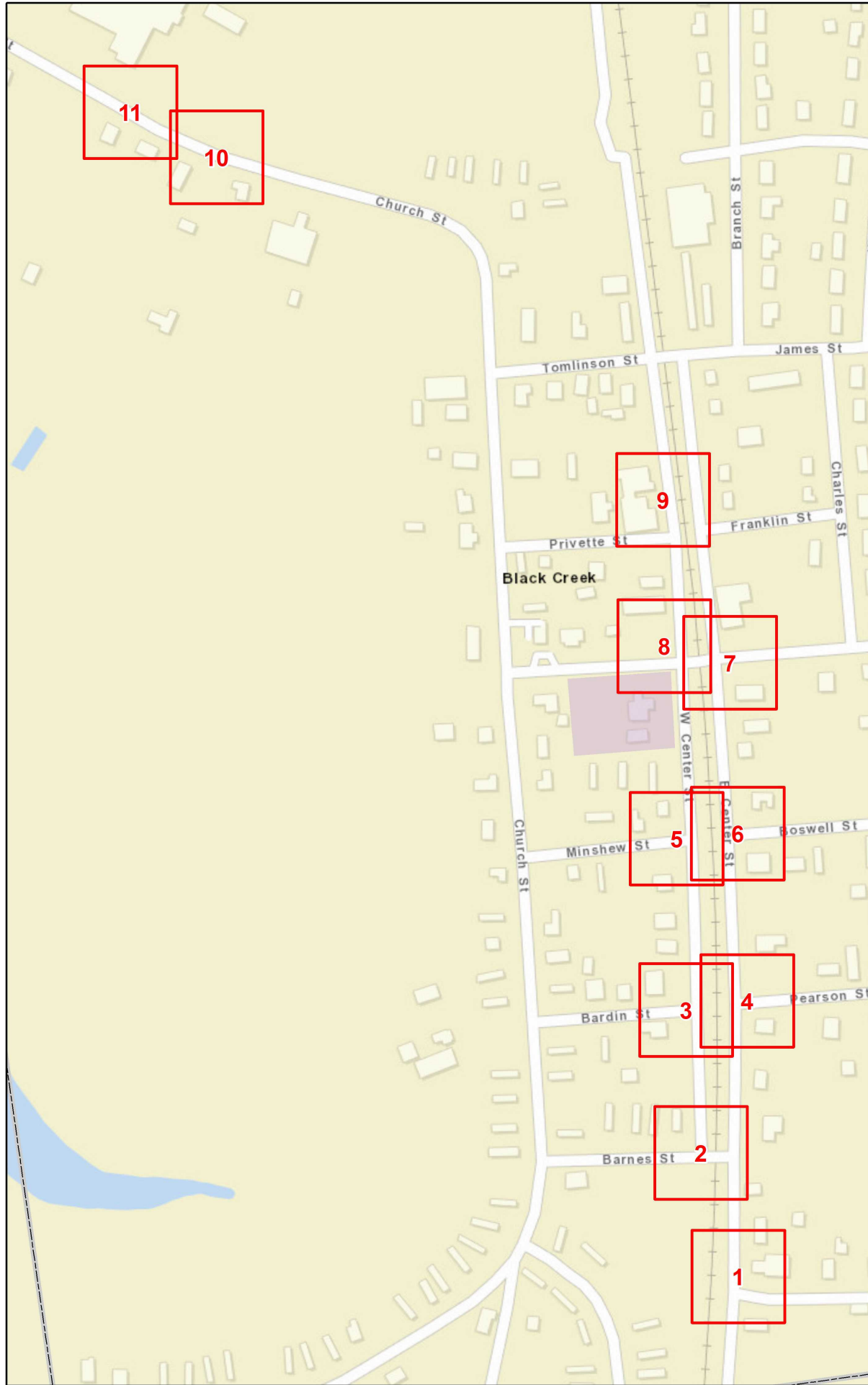
Sheet No.
20

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
740	1	SR-1628 (E Center St)	Black Creek Pentecostal Holiness Church (511 E Center St)													1				Type 1A - 848.06
745	2	SR-1619 (W Center St)	SR-1619 (Barnes St)													1				Type 1 Modified - 848.06
746**	3	SR-1619 (W Center St)	Bardin St													1				Type 1 Modified - 848.06
747	3	SR-1619 (W Center St)	Bardin St														1			Type 1 Modified - 848.06
741**	4	SR-1628 (E Center St)	Pearson St													1				Type 1 Modified - 848.06
742**	4	SR-1628 (E Center St)	Pearson St													1				Type 1 Modified - 848.06
748**	5	SR-1619 (W Center St)	Minshew St													1				Type 1 Modified - 848.06
749**	5	SR-1619 (W Center St)	Minshew St													1				Type 1 Modified - 848.06
743**	6	SR-1628 (E Center St)	Boswell St													1				Type 1 Modified - 848.06
744**	6	SR-1628 (E Center St)	Boswell St													1				Type 1 Modified - 848.06
736**	7	SR-1621 (Central Ave)	SR-1628 (E Center St)													1				Type 1 Modified - 848.06
738**	8	SR-1619 (W Center St)	Central Ave	1												1				Type 1 Modified - 848.06
750	8	SR-1618 (W Center St)	206 W Center St												1					Retrofit Warnings - 848.06
753**	9	SR-1618 (W Center St)	Black Creek Town Hall (112 W Center St)												1					Retrofit Warnings - 848.06
763	10	SR-1618 (Church St)	106 Church St			20			9										1	Remove Ramp
762	11	SR-1618 (Church St)	Crossing at Lee Woodard Elementary School (103 Church St)					20	12			9					1			Type 2 - 848.06
792	11	SR-1618 (Church St)	Crossing at Lee Woodard Elementary School (103 Church St)					15									1			Type 1A - 848.06
-	-	-	-	-	4.25*	-	44*	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Black Creek				1	4.25	20	44	35	21	0	0	9	0	0	2	11	3	0	1	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



Curb Ramps To Be Repaired

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

Municipal Boundary

Census Urban Areas (>5,000 Pop)

NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas <5,000 Population

Municipality: Black Creek

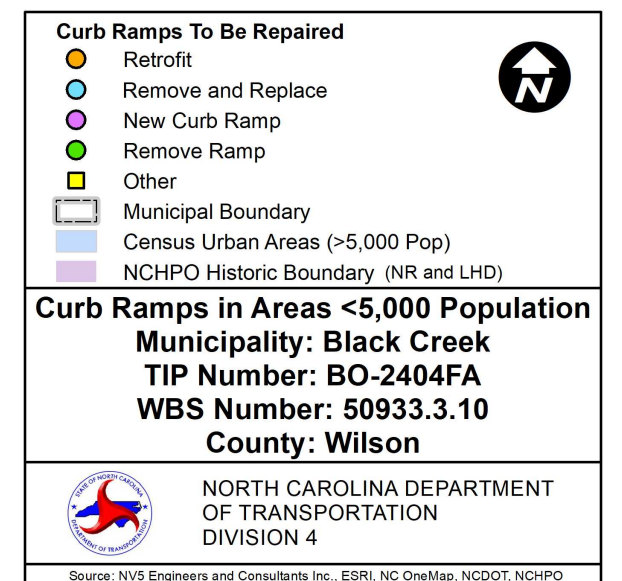
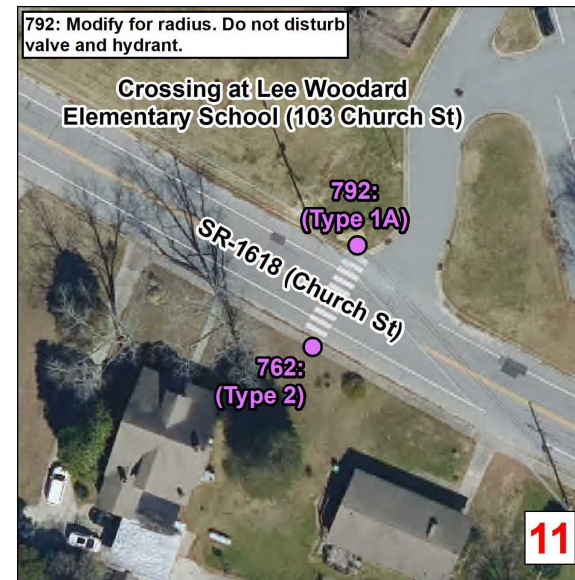
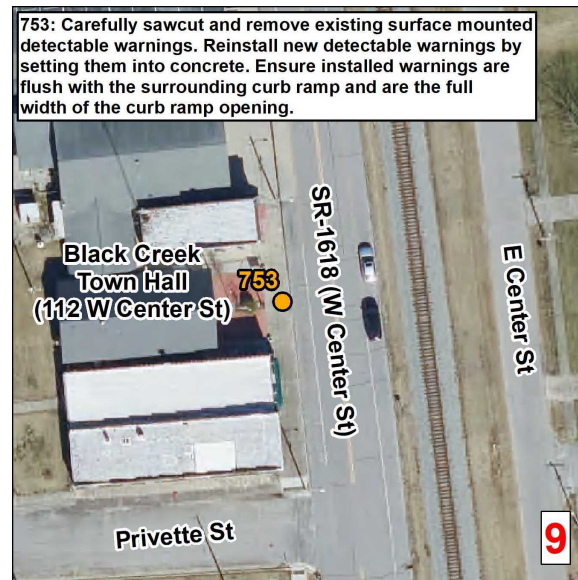
TIP Number: BO-2404FA

WBS Number: 50933.3.10

County: Wilson

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 4

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



ADA SUMMARY OF QUANTITIES - ELM CITY (< 5,000 POPULATION)

Municipality:	Elm City
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Wilson

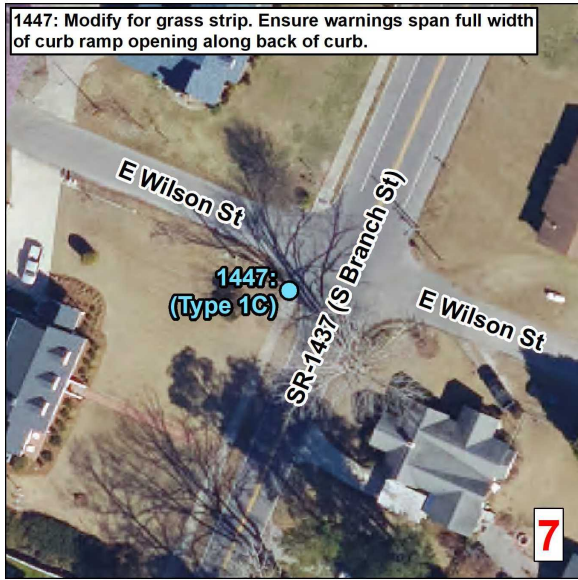
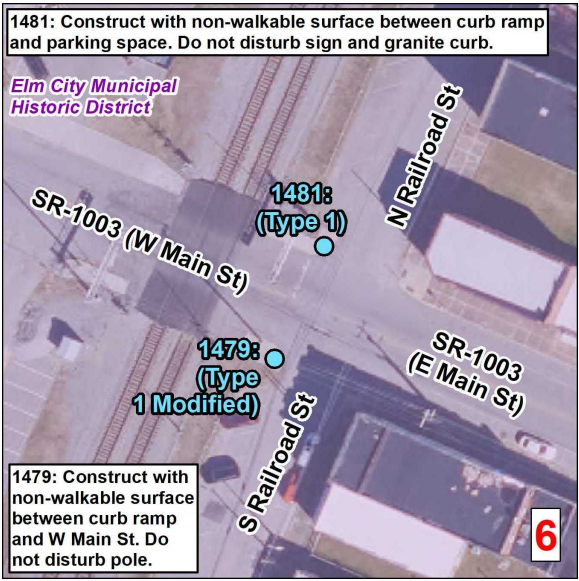
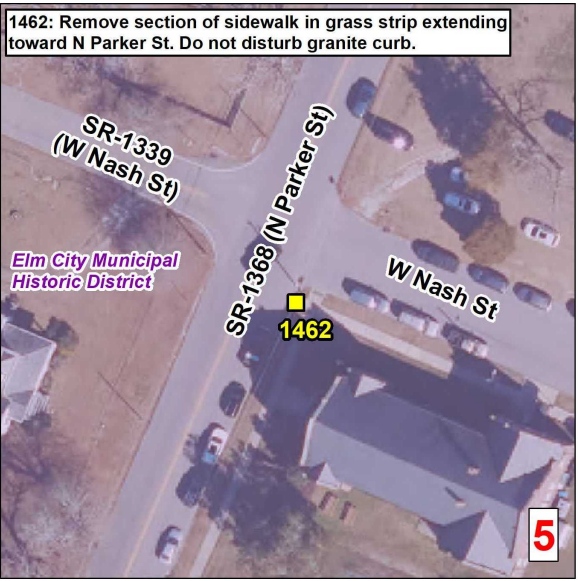
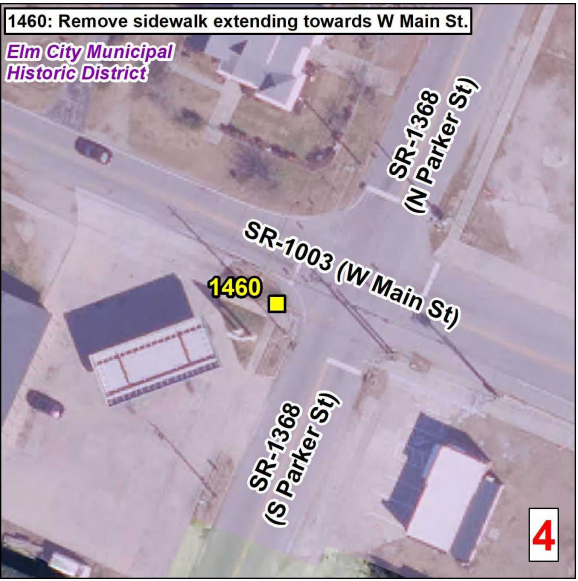
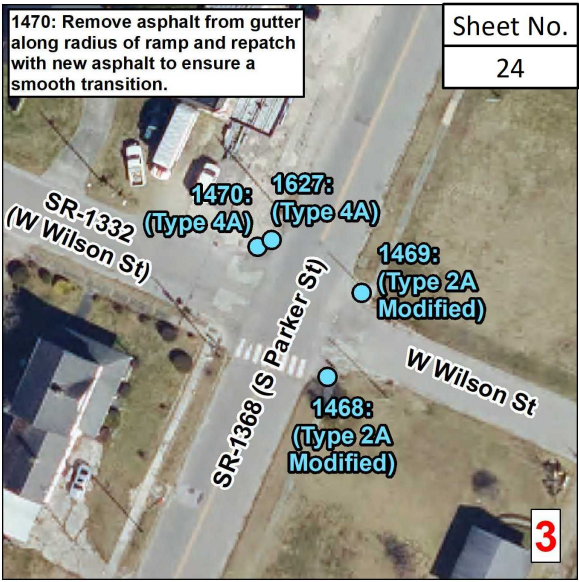
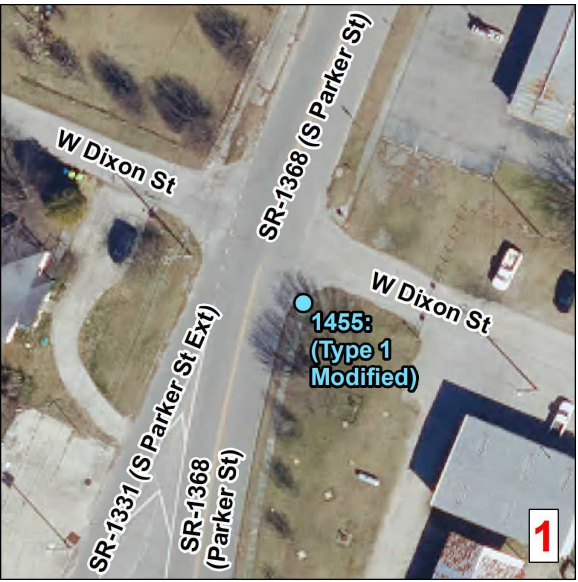
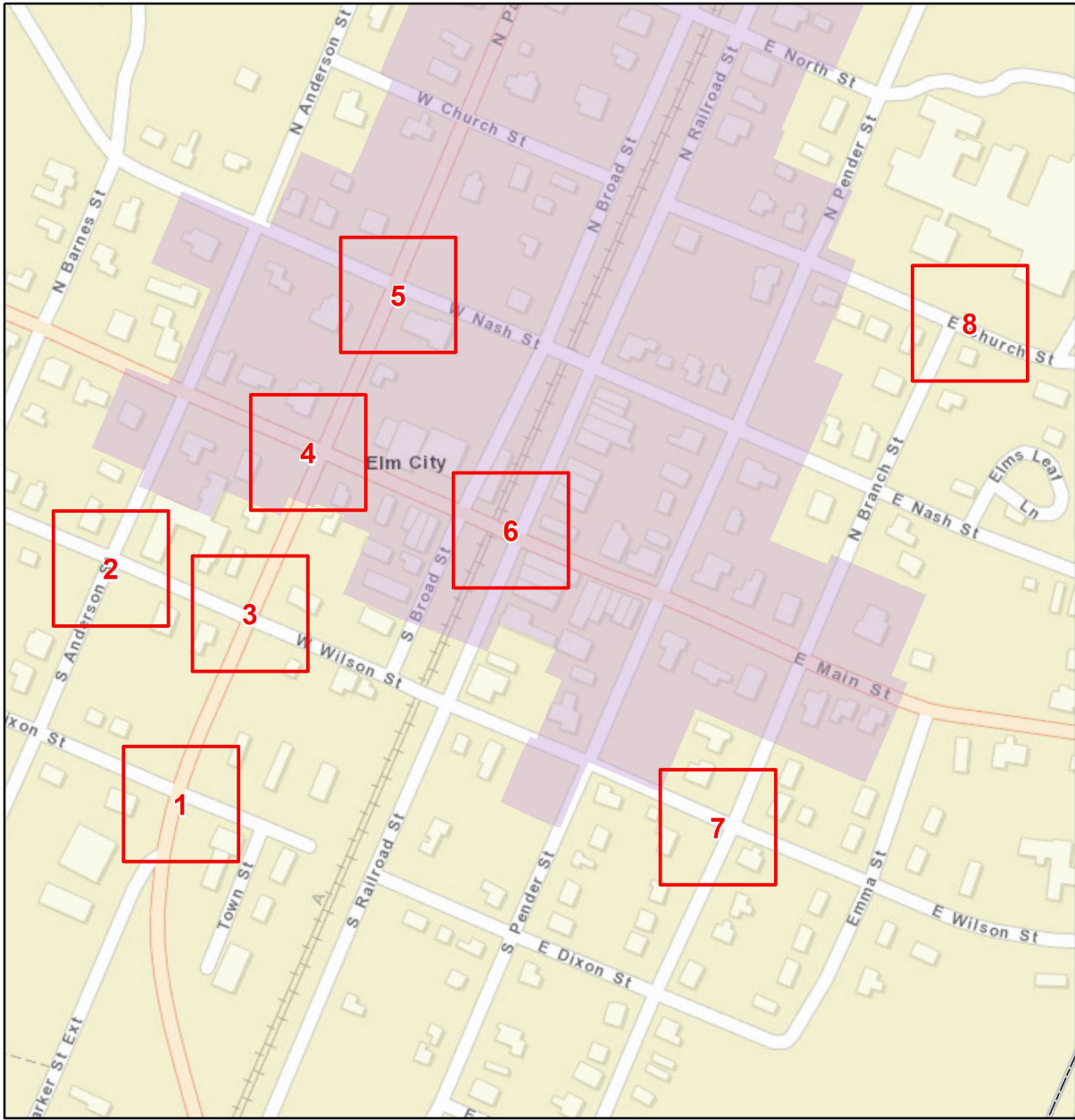
Sheet No.
23

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1455	1	SR-1368 (Parker St)	W Dixon St													1				Type 1 Modified - 848.06
1466**	2	SR-1332 (W Wilson St)	S Anderson St													1				Type 4A - 848D0610
1628	2	SR-1332 (W Wilson St)	S Anderson St					6			6	3					1			Type 4A - 848D0610
1468	3	SR-1368 (S Parker St)	W Wilson St													1				Type 2A Modified - 848.06
1469	3	SR-1368 (S Parker St)	W Wilson St													1				Type 2A Modified - 848.06
1470	3	SR-1368 (S Parker St)	SR-1332 (W Wilson St)	6												1				Type 4A - 848D0610
1627	3	SR-1368 (S Parker St)	SR-1332 (W Wilson St)													1				Type 4A - 848D0610
1460	4	SR-1368 (S Parker St)	SR-1003 (W Main St)									3								Other
1462	5	SR-1368 (N Parker St)	W Nash St									4								Other
1479	6	SR-1003 (W Main St)	S Railroad St													1				Type 1 Modified - 848.06
1481	6	SR-1003 (W Main St)	N Railroad St								6					1				Type 1 - 848.06
1447	7	SR-1437 (S Branch St)	E Wilson St													1				Type 1C - 848.06
1451	8	SR-1437 (N Branch St)	E Church St													1				Type 1 Modified - 848.06
1452	8	SR-1437 (E Church St)	Elm City Middle School (215 Church St E)													1				Type 1 Modified - 848.06
-	-	-	-	-	3*	-	44*	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Elm City				6	3	0	44	6	0	0	12	10	0	0	0	11	1	0	0	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



Curb Ramps To Be Repaired

●

Retrofit

●

Remove and Replace

●

New Curb Ramp

●

Remove Ramp

■

Other

▭

Municipal Boundary

■

Census Urban Areas (>5,000 Pop)

■

NCHPO Historic Boundary (NR and LHD)

N

Curb Ramps in Areas <5,000 Population

Municipality: Elm City

TIP Number: BO-2404FA

WBS Number: 50933.3.10

County: Wilson

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

DIVISION 4

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

ADA SUMMARY OF QUANTITIES - LUCAMA (< 5,000 POPULATION)

Municipality:	Lucama
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Wilson

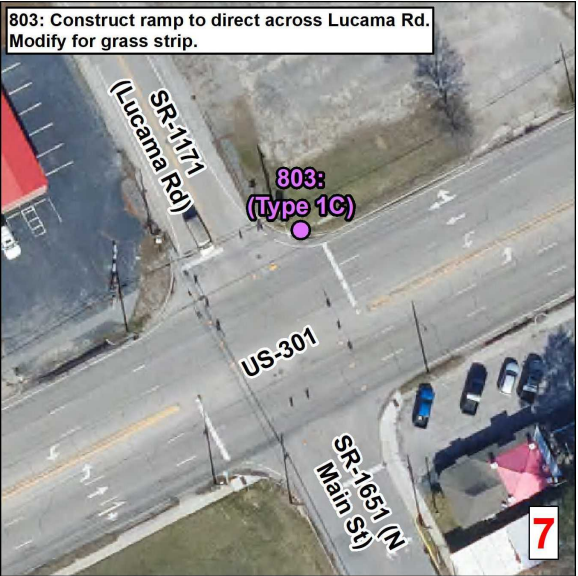
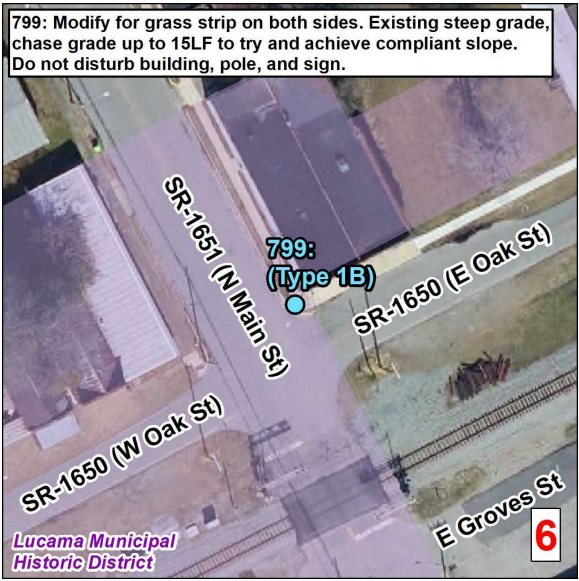
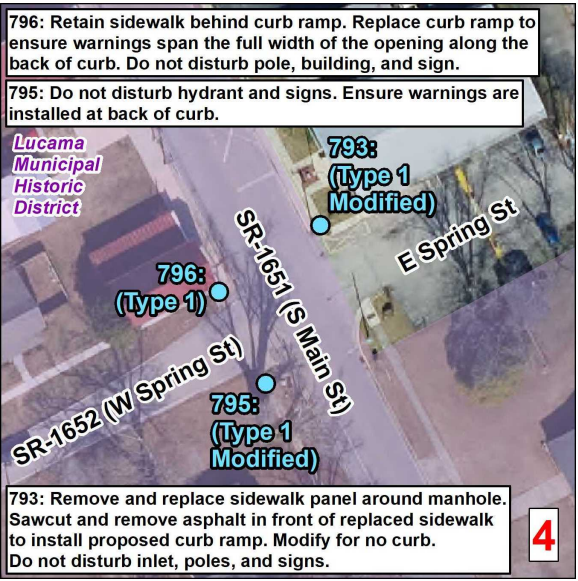
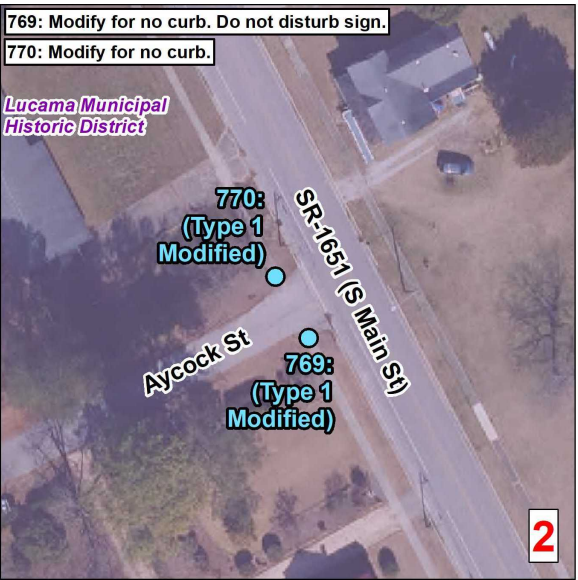
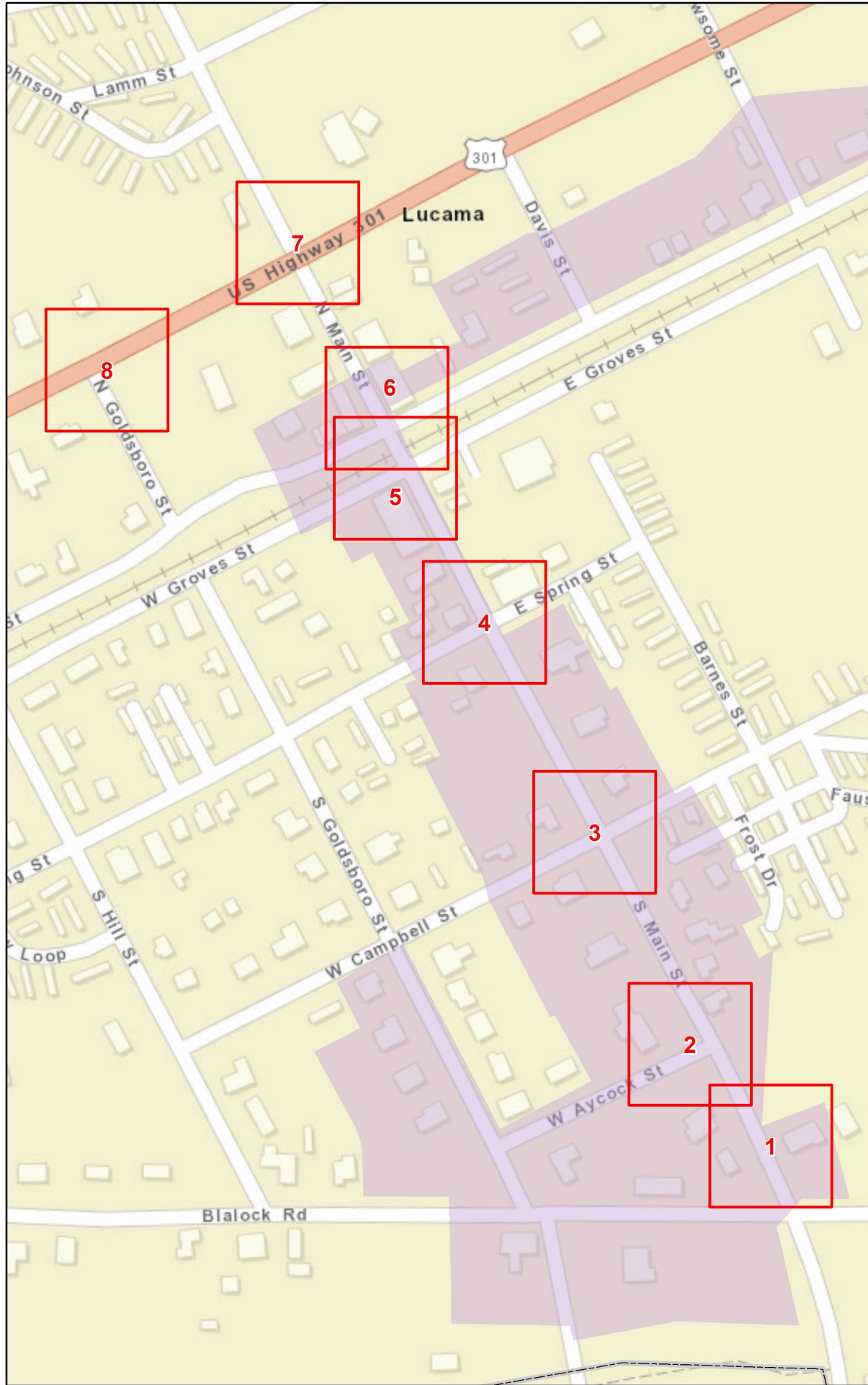
Sheet No.
25

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
768	1	SR-1651 (S Main St)	403 S Main St													1				Type 3 - 848D0609
769**	2	SR-1651 (S Main St)	Aycock St													1				Type 1 Modified - 848.06
770**	2	SR-1651 (S Main St)	Aycock St													1				Type 1 Modified - 848.06
771	3	SR-1651 (S Main St)	Campbell St													1				Type 1 Modified - 848.06
772**	3	SR-1651 (S Main St)	Campbell St													1				Type 1 Modified - 848.06
773**	3	SR-1651 (S Main St)	Rouse St													1				Type 1 Modified - 848.06
774**	3	SR-1651 (S Main St)	Rouse St													1				Type 1 Modified - 848.06
793	4	SR-1651 (S Main St)	Spring St										1			1				Type 1 Modified - 848.06
795	4	SR-1651 (S Main St)	SR-1652 (W Spring St)													1				Type 1 Modified - 848.06
796	4	SR-1651 (S Main St)	SR-1652 (W Spring St)													1				Type 1 - 848.06
798	5	SR-1651 (S Main St)	W Groves St													1				Type 1 Modified - 848.06
799	6	SR-1651 (N Main St)	SR-1650 (E Oak St)													1				Type 1B - 848.06
803	7	US-301	SR-1171 (Lucama Rd)					15				6					1			Type 1C - 848.06
817	8	US-301	N Goldsboro St													1				Type 1C - 848.06
-	-	-	-	-	3.5*	-	52*	-	-	-	12*	-	-	-	-	-	-	-	-	
Sub-Total for Lucama				0	3.5	0	52	15	0	0	12	6	1	0	0	13	1	0	0	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



Curb Ramps To Be Repaired

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

Municipal Boundary

Census Urban Areas (>5,000 Pop)

NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas <5,000 Population

Municipality: Lucama

TIP Number: BO-2404FA

WBS Number: 50933.3.10

County: Wilson

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 4

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

ADA SUMMARY OF QUANTITIES - UNINCORPORATED AREAS - WILSON COUNTY (< 5,000 POPULATION)

Municipality:	Unincorporated Areas
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Wilson

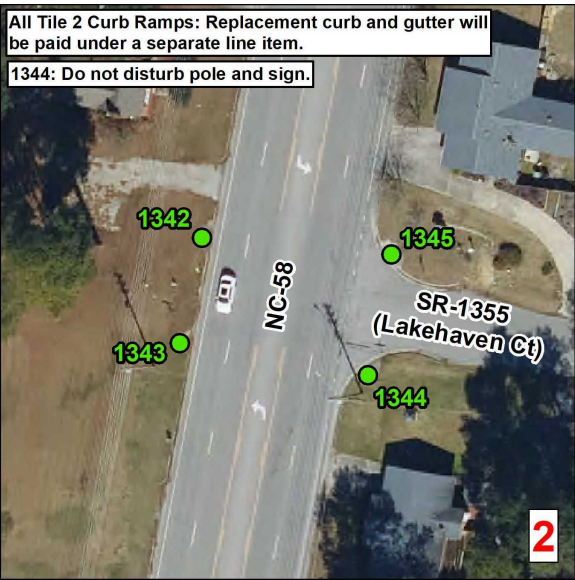
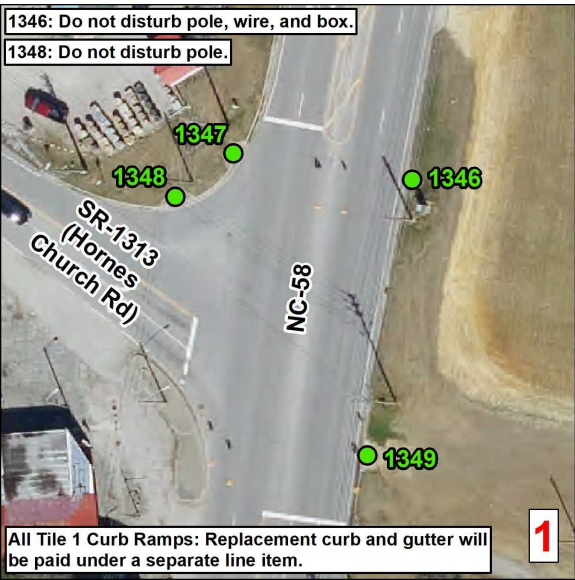
Sheet No.
27

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1346	1	NC-58	SR-1313 (Hornes Church Rd)			15													1	Remove Ramp
1347	1	NC-58	SR-1313 (Hornes Church Rd)			15													1	Remove Ramp
1348	1	NC-58	SR-1313 (Hornes Church Rd)			15													1	Remove Ramp
1349	1	NC-58	SR-1313 (Hornes Church Rd)			15													1	Remove Ramp
1342	2	NC-58	5303 NC-58			15													1	Remove Ramp
1343	2	NC-58	5303 NC-58			15													1	Remove Ramp
1344	2	NC-58	SR-1355 (Lakehaven Ct)			15													1	Remove Ramp
1345	2	NC-58	SR-1355 (Lakehaven Ct)			15													1	Remove Ramp
1341	3	NC-58	SR-1314 (Thompson Chapel Church Rd)			15													1	Remove Ramp
-	-	-	-	-	2.25*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Unincorporated Areas - Wilson County				0	2.25	135	0	0	0	0	0	0	0	0	0	0	0	0	9	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



Curb Ramps To Be Repaired

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

Municipal Boundary

Census Urban Areas (>5,000 Pop)

NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas <5,000 Population
Municipality: Unincorporated Areas
TIP Number: BO-2404FA
WBS Number: 50933.3.10
County: Wilson

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 4

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

ADA SUMMARY OF QUANTITIES - SIMS (< 5,000 POPULATION)

Municipality:	Sims
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Wilson

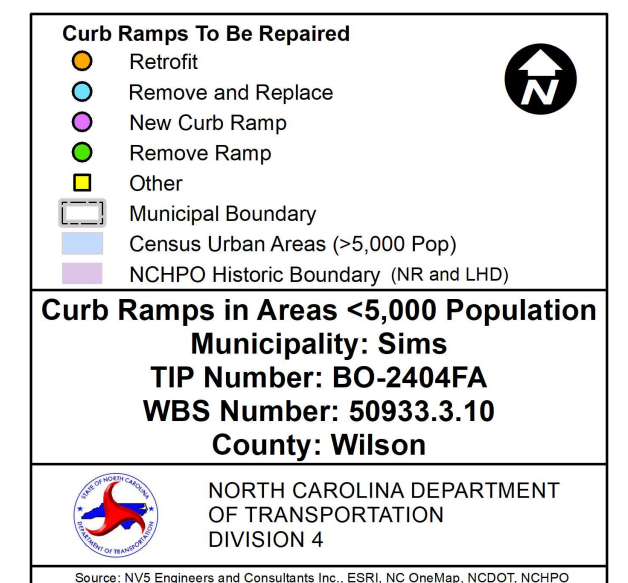
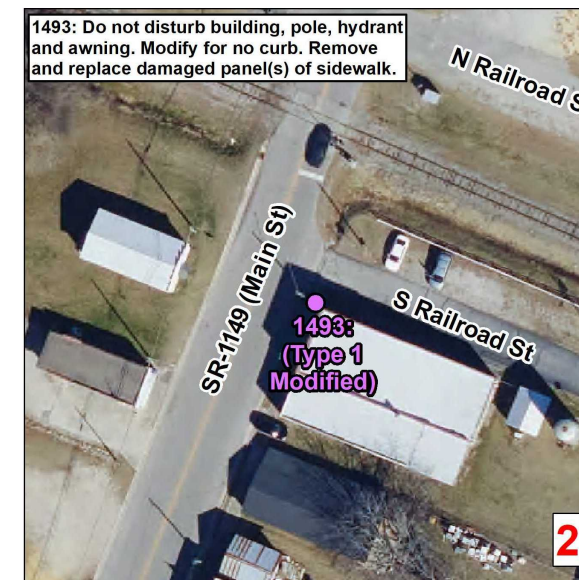
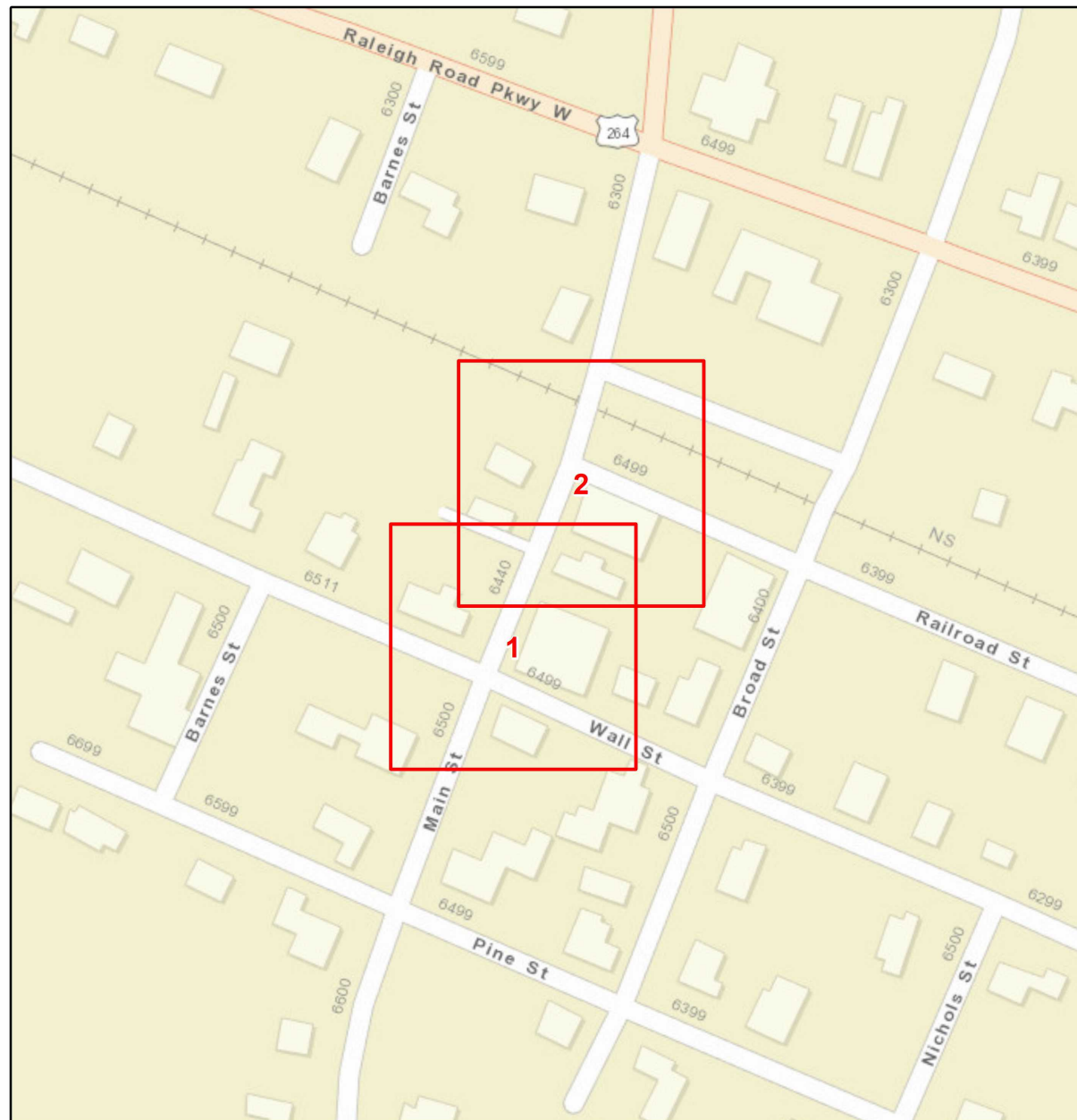
Sheet No.
29

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1494	1	SR-1149 (Main St)	Wall St													1				Standard - 848.06
1493	2	SR-1149 (Main St)	Railroad St								6						1			Type 1 Modified - 848.06
-	-	-	-	-	0.5*	-	4*	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Sims				0	0.5	0	4	0	0	0	6	0	0	0	0	1	1	0	0	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



ADA SUMMARY OF QUANTITIES - STANTONSBURG (< 5,000 POPULATION)

Municipality:	Stantonsburg
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Wilson

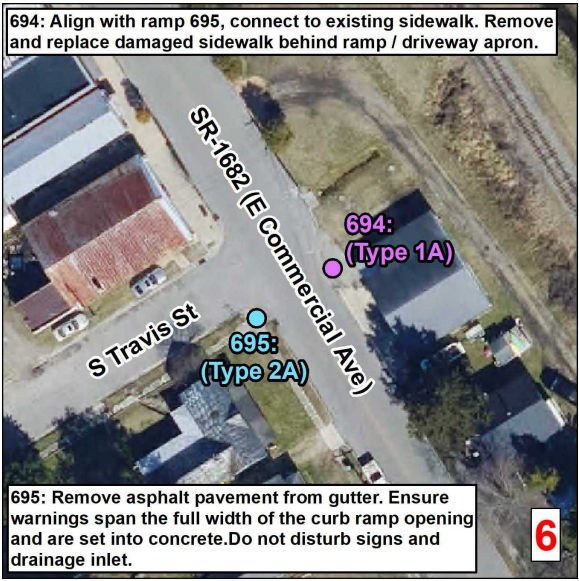
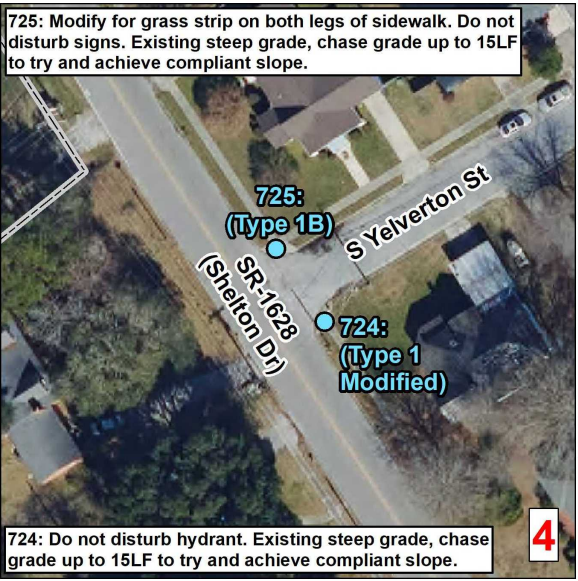
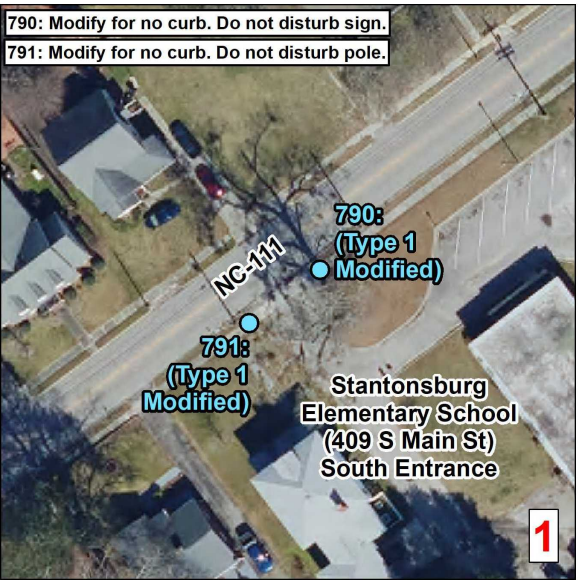
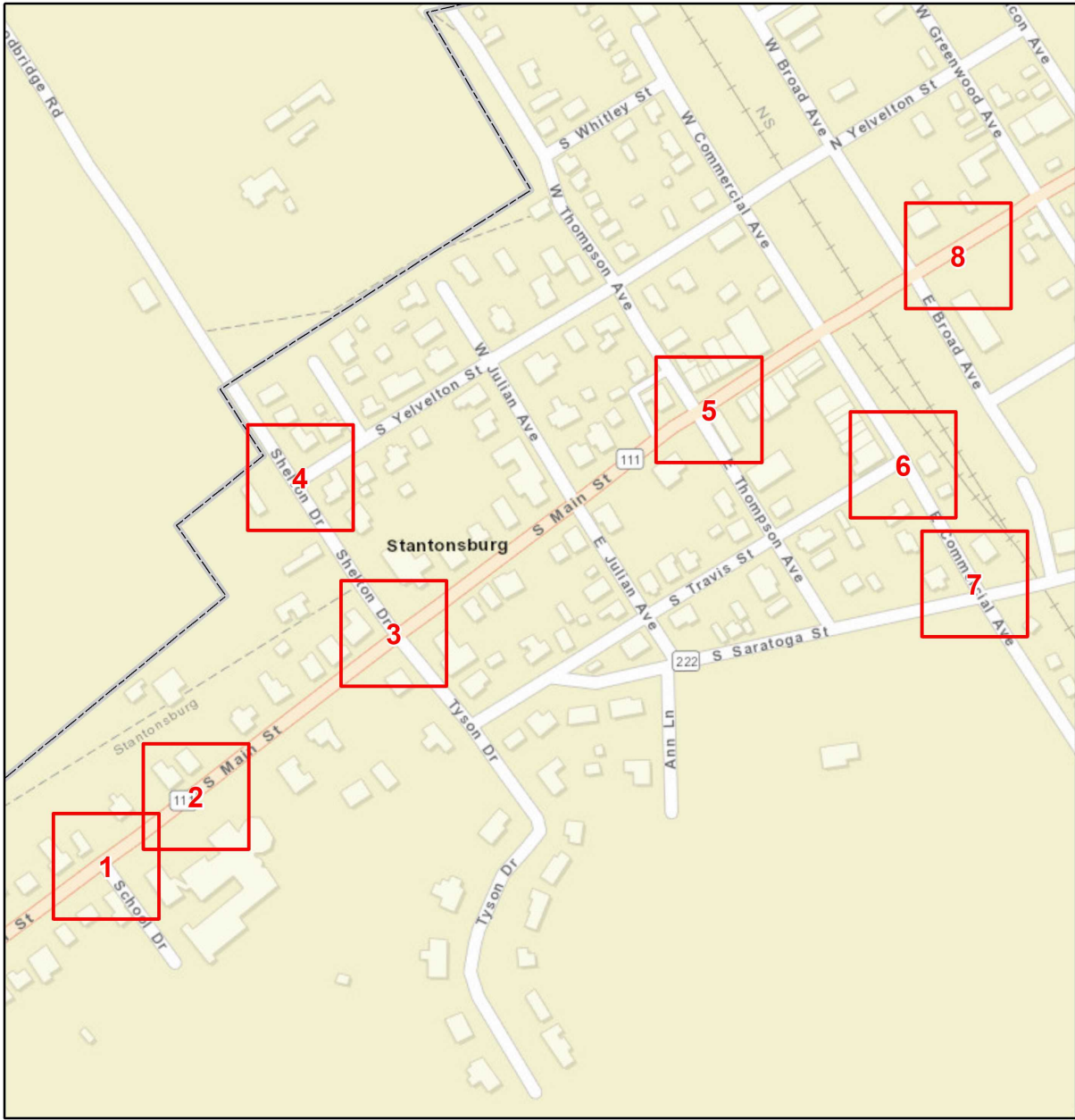
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31

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
790	1	NC-111	Stantonsburg Elementary School (409 S Main St) South Entrance													1				Type 1 Modified - 848.06
791	1	NC-111	Stantonsburg Elementary School (409 S Main St) South Entrance													1				Type 1 Modified - 848.06
788	2	NC-111	Stantonsburg Elementary School (409 S Main St) North Entrance													1				Type 1 Modified - 848.06
789	2	NC-111	Stantonsburg Elementary School (409 S Main St) North Entrance													1				Type 1 Modified - 848.06
715	3	SR-1628 (Shelton Dr)	NC-111 (S Main St)													1				Type 2A Modified - 848.06
724	4	SR-1628 (Shelton Dr)	S Yelverton St													1				Type 1 Modified - 848.06
725	4	SR-1628 (Woodbridge Rd)	S Yelverton St													1				Type 1B - 848.06
704	5	NC-111 (S Main St)	E Thompson Ave			15			9										1	Remove Ramp
694	6	SR-1682 (E Commercial Ave)	General store (309 E Commercial ave)					10			6						1			Type 1A - 848.06
695**	6	SR-1682 (E Commercial Ave)	S Travis St	2												1				Type 2A - 848.06
692	7	SR-1682 (E Commercial Ave)	S Saratoga St													1				Type 3 - 848D0609
728	8	NC-111 (N Main St)	St James Holy Church (100 N Main St)			15			24										1	Remove Ramp
729	8	NC-111 (N Main St)	St James Holy Church (100 N Main St)			10			12										1	Remove Ramp
-	-	-	-	-	3.25*	-	36*	-	-	-	9*	-	-	-	-	-	-	-	-	
Sub-Total for Stantonsburg				2	3.25	40	36	10	45	0	15	0	0	0	0	9	1	0	3	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



Curb Ramps To Be Repaired

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

Municipal Boundary
Census Urban Areas (>5,000 Pop)
NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas <5,000 Population
Municipality: Stantonburg
TIP Number: BO-2404FA
WBS Number: 50933.3.10
County: Wilson

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 4

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

ADA SUMMARY OF QUANTITIES - WILSON (< 5,000 POPULATION)

Municipality:	Wilson
TIP Number:	BO-2404FA
WBS Number:	50933.3.10
County:	Wilson

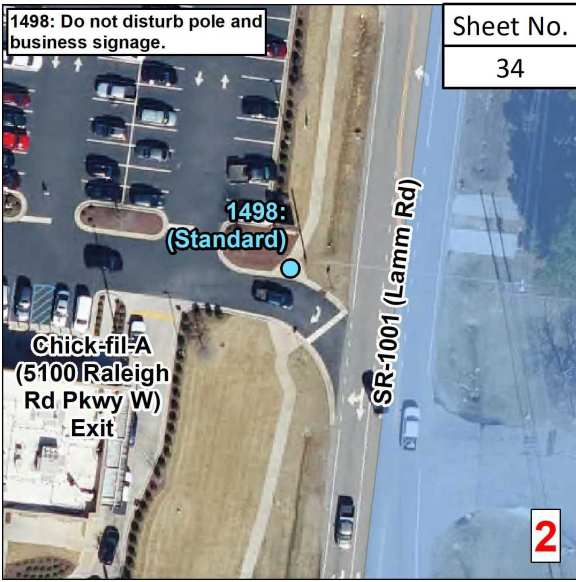
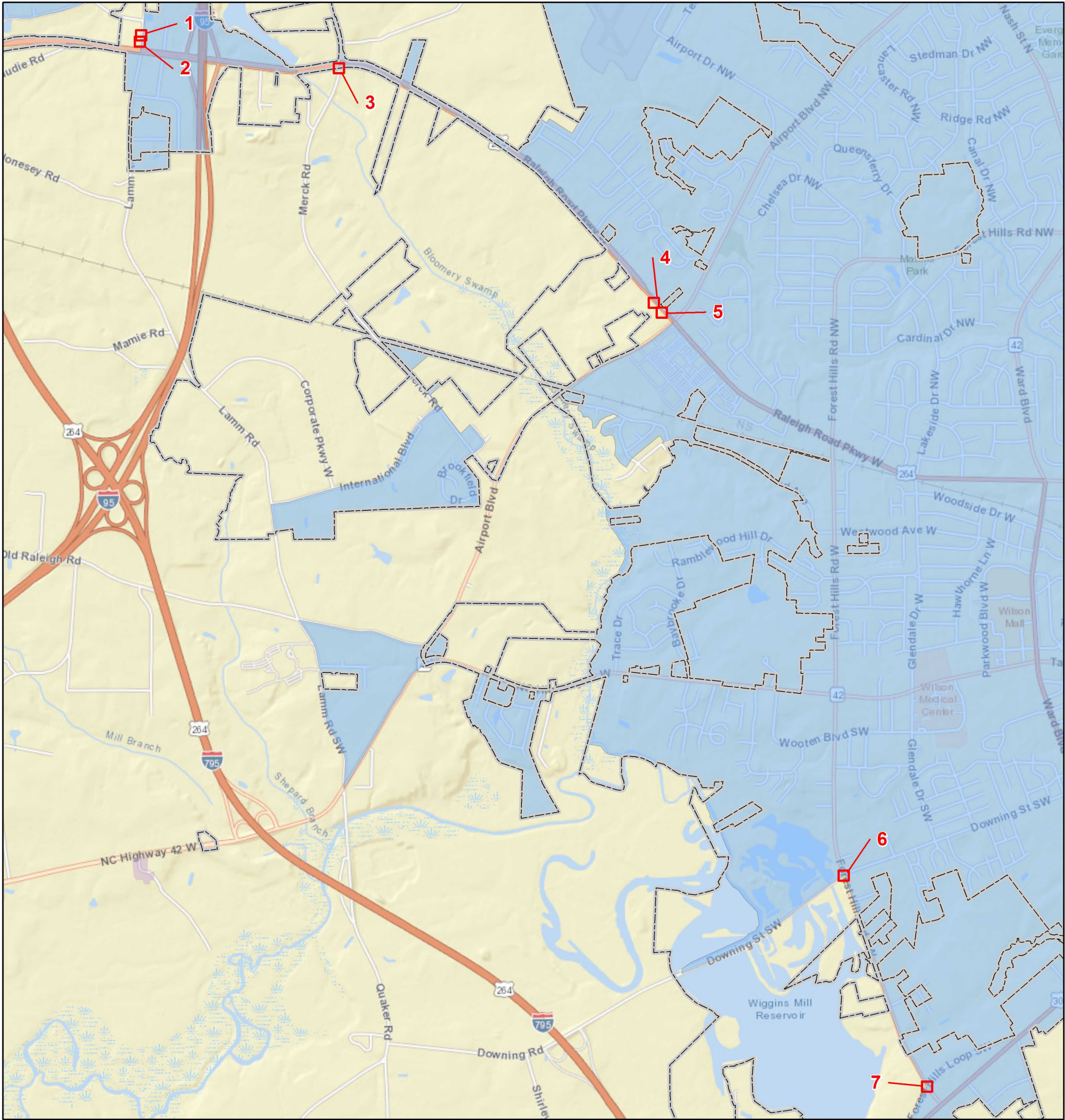
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33

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1496	1	SR-1001 (Lamm Rd)	Chick-fil-A (5100 Raleigh Rd Pkwy W) Entrance			15													1	Remove Ramp
1497	1	SR-1001 (Lamm Rd)	Chick-fil-A (5100 Raleigh Rd Pkwy W) Entrance													1				Standard - 848.06
1498	2	SR-1001 (Lamm Rd)	Chick-fil-A (5100 Raleigh Rd Pkwy W) Exit													1				Standard - 848.06
1504	3	US-264 ALT (Raleigh Road Pkwy)	SR-1157 (Merck Rd)			18													1	Remove Ramp
1505	3	US-264 ALT (Raleigh Road Pkwy)	SR-1157 (Merck Rd)			18													1	Remove Ramp
1506	3	US-264 ALT (Raleigh Road Pkwy)	SR-1157 (Merck Rd)			18													1	Remove Ramp
1507	3	US-264 ALT (Raleigh Road Pkwy)	SR-1157 (Merck Rd)			18													1	Remove Ramp
1511	4	US-264 ALT (Raleigh Road Pkwy)	Culvers (3609 Raleigh Rd Pkwy W)													1				Type 1C - 848.06
1510	5	US-264 ALT (Raleigh Road Pkwy)	Firestone (3607 Raleigh Rd Pkwy W)													1				Type 1C - 848.06
1562	6	SR-1165 (Forest Hills Rd)	SR-1163 (Downing St)			15													1	Remove Ramp
1556	7	SR-1165 (Forest Hills Rd)	Forest Hills Lp			18													1	Remove Ramp
1557	7	SR-1165 (Forest Hills Rd)	Forest Hills Lp			18													1	Remove Ramp
-	-	-	-	-	3*	-	16*	-	-	-	9*	-	-	-	-	-	-	-	-	
Sub-Total for Wilson				0	3	138	16	0	0	0	9	0	0	0	0	4	0	0	8	

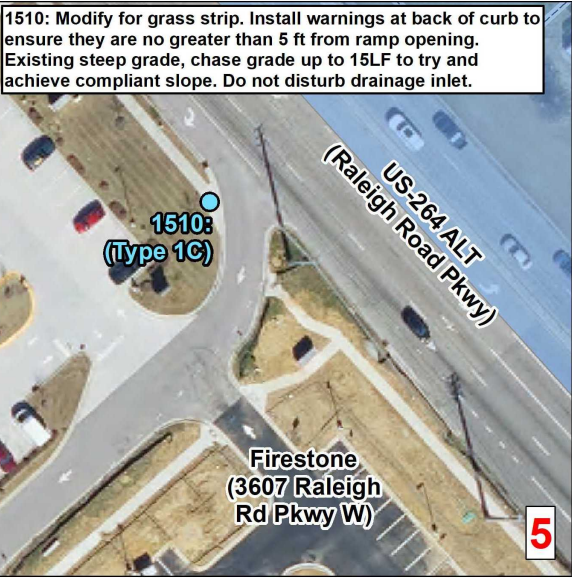
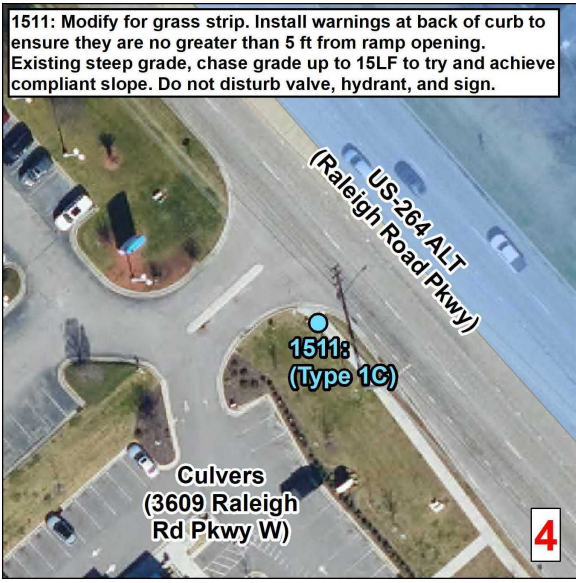
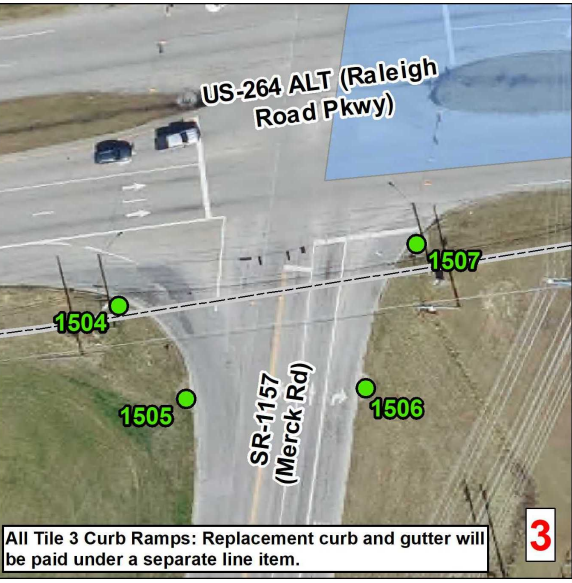
*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



Sheet No.
34



Curb Ramps To Be Repaired

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

■ Municipal Boundary

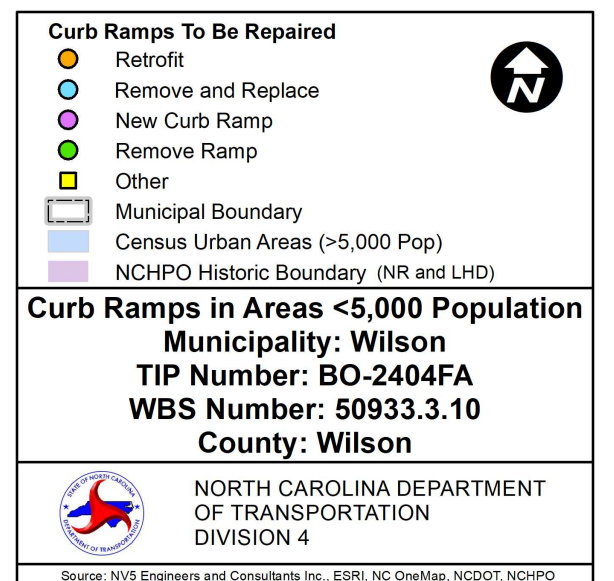
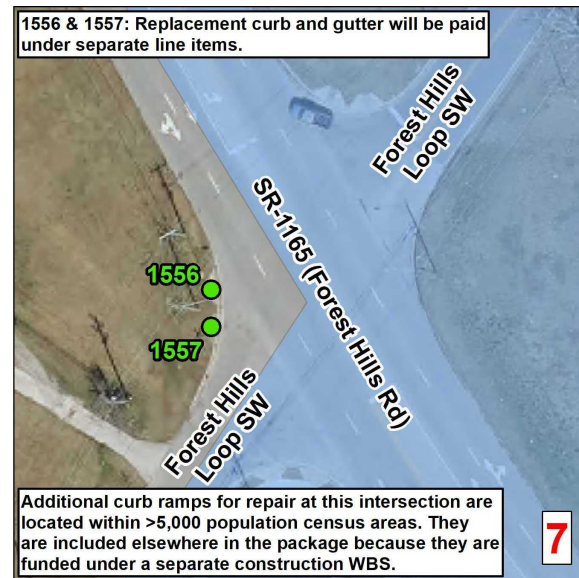
■ Census Urban Areas (>5,000 Pop)

■ NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas <5,000 Population
Municipality: Wilson
TIP Number: BO-2404FA
WBS Number: 50933.3.10
County: Wilson

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 4

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



-  Retrofit
-  Remove and Replace
-  New Curb Ramp
-  Remove Ramp
-  Other
-  Municipal Boundary
-  Census Urban Areas (>5,000 Pop)
-  NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas <5,000 Population
Municipality: Wilson
TIP Number: BO-2404FA
WBS Number: 50933.3.10
County: Wilson



NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 4

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

ADA SUMMARY OF QUANTITIES - WILSON (5,000 - 50,000 POPULATION)

Municipality:	Wilson
TIP Number:	BO-2404FB
WBS Number:	50933.3.11
County:	Wilson

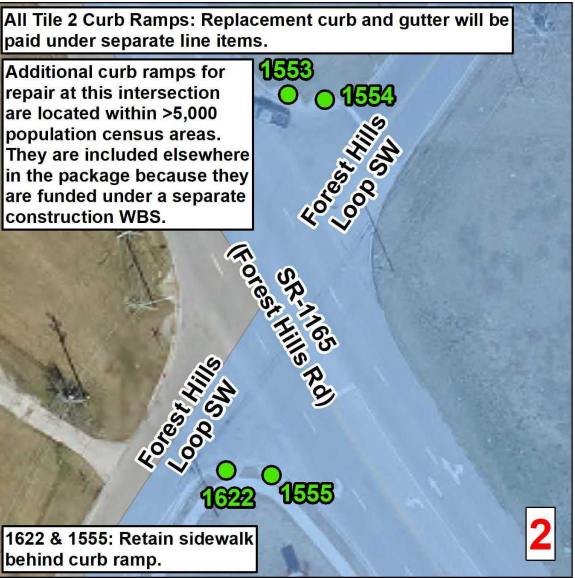
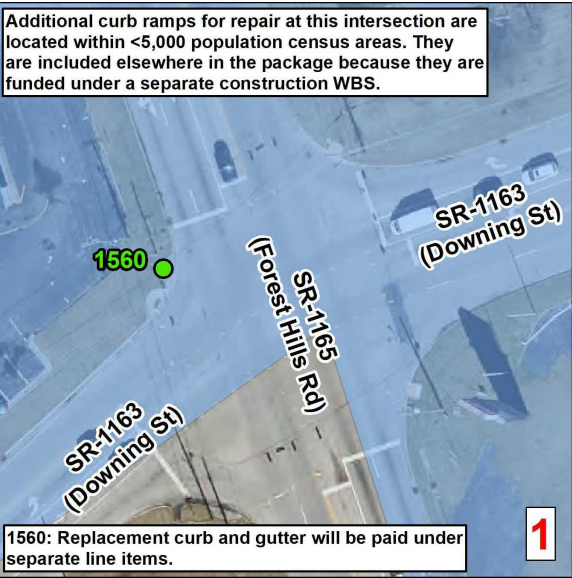
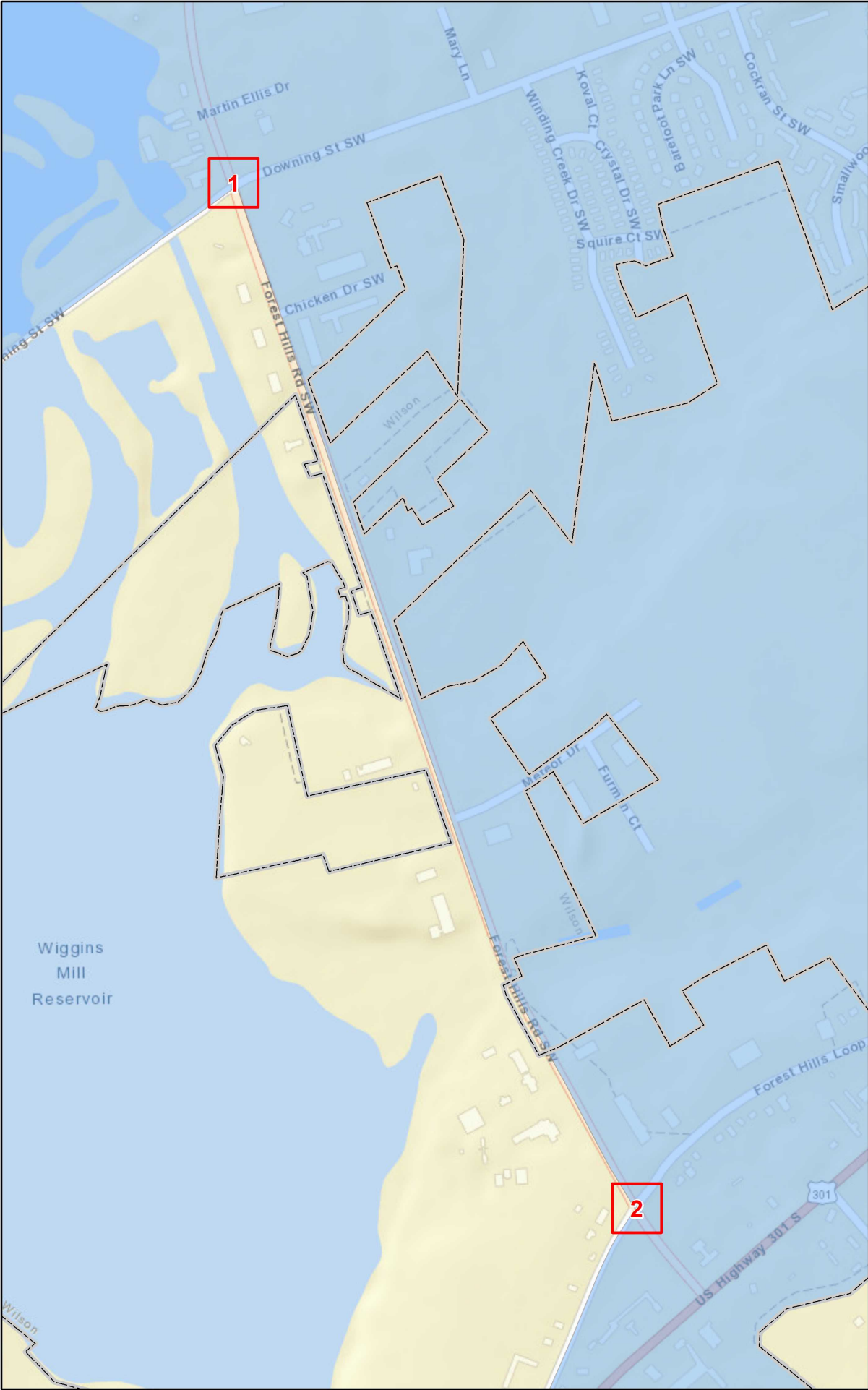
Sheet No.
36

Ramp ID	Inset Map Number	Route 1	Route 2	0156000000-E (SY) Removal of Existing Asphalt Pavement	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove And Replace 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove 2'-6" Concrete Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) 6" Reinforced Concrete Sidewalk	2738000000-E (SY) Remove And Replace 4" Concrete Sidewalk	2738000000-E (SY) Remove 4" Concrete Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2612300000-N (EA) Retrofit Existing Concrete Curb Ramps	2612500000-N (EA) Remove and Replace Concrete Curb Ramps	2605000000-N (EA) Concrete Curb Ramps	2759000000-N (EA) 6" Reinforced Concrete Curb Ramps	2759000000-N (EA) Remove Concrete Curb Ramps	Improvement Type
1560	1	SR-1165 (Forest Hills Rd)	SR-1163 (Downing St)			15													1	Remove Ramp
1553	2	SR-1165 (Forest Hills Rd)	Forest Hills Lp			18													1	Remove Ramp
1554	2	SR-1165 (Forest Hills Rd)	Forest Hills Lp			18													1	Remove Ramp
1555	2	SR-1165 (Forest Hills Rd)	Forest Hills Lp			18													1	Remove Ramp
1622	2	SR-1165 (Forest Hills Rd)	Forest Hills Lp			18													1	Remove Ramp
-	-	-	-	-	2*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sub-Total for Wilson				0	2	87	0	0	0	0	0	0	0	0	0	0	0	0	5	

*Contingency line item amount provided for additional adjustments outside of curb ramp pay limits, as needed.

**While ramp is compliant upon initial inspection, it is to be improved in order to create a more resilient curb ramp.

Notes: (1) ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page. (2) Construct in accordance with Section 848. Detectable warnings shall be of one of the following materials: engineered plastics, rubber, or composite tile. Additionally, warnings shall be applied directly to the curb ramps by incorporating into the concrete of the curb ramps unless otherwise approved by the Engineer. Surface mounted rubber mats, brick, steel and stamped concrete pavers will not be accepted. (3) In accordance with PROWAG Sections R304.2.1 and R304.3.1, curb ramp running slope is to be constructed to a maximum of 8.33%. Where the curb ramp length must exceed 15 feet to achieve an 8.33% running slope, the curb ramp length shall extend at least 15 feet and may have a running slope greater than 8.33%.



Curb Ramps To Be Repaired

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

Municipal Boundary

Census Urban Areas (>5,000 Pop)

NCHPO Historic Boundary (NR and LHD)

Curb Ramps in Areas 5,000-50,000 Population

Municipality: Wilson

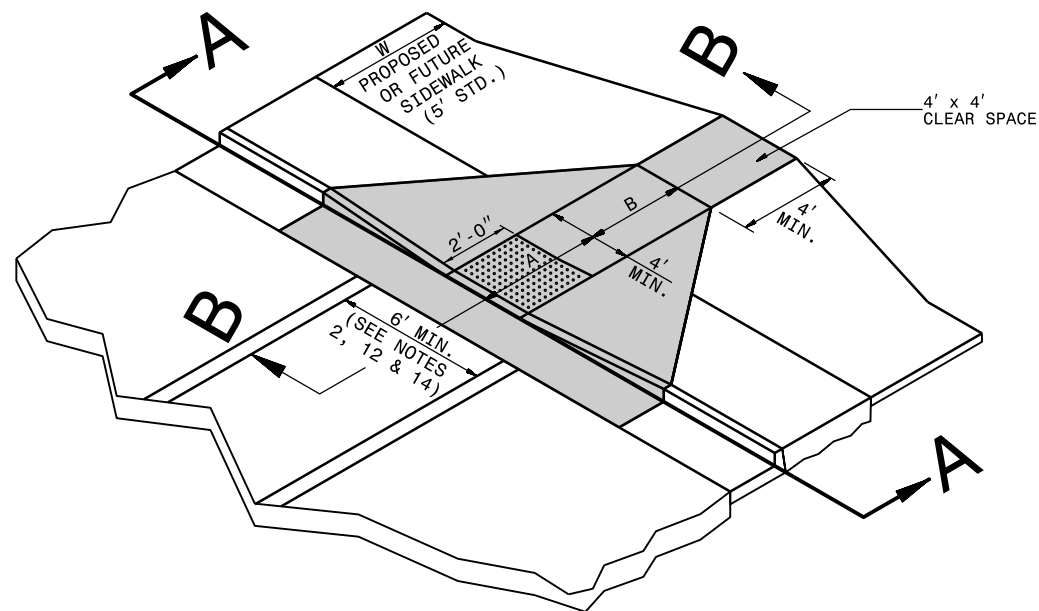
TIP Number: BO-2404FB

WBS Number: 50933.3.11

County: Wilson

NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 4

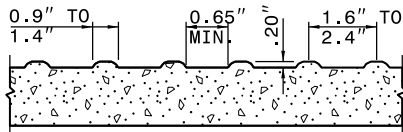
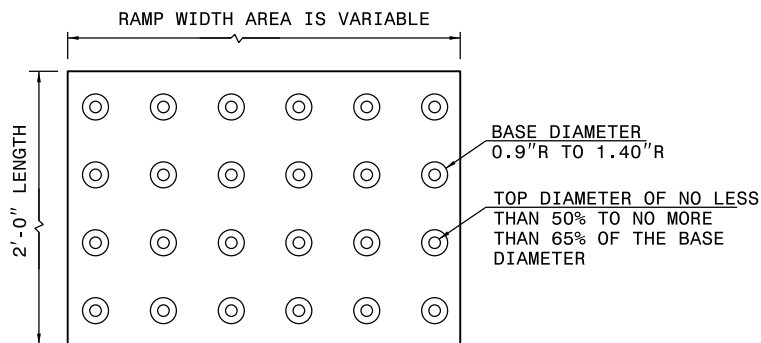
Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



ISOMETRIC VIEW

PAY LIMITS FOR CURB RAMP

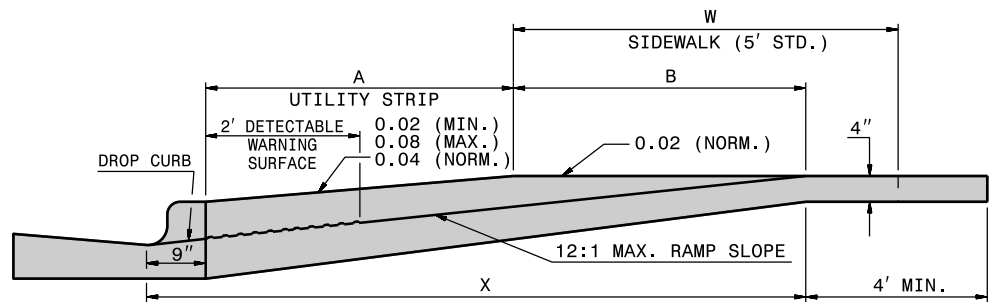
NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



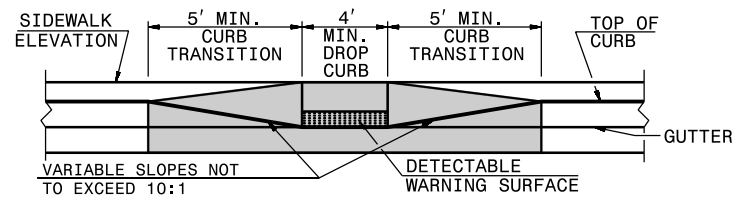
DETECTABLE WARNING SURFACE

W	A	W+A+9"	X	B
5'	0.0'	5.8'	5.8'	5.0'*
6'	0.0'	6.8'	6.8'	6.0'**
7'	0.0'	7.8'	7.3'	6.5'**
8'	0.0'	8.8'	7.3'	6.5'**
5'	2.0'	7.8'	7.8'	5.0'
5'	2.5'	8.3'	8.1'	4.8'
5'	3.0'	8.8'	8.3'	4.4'
5'	3.5'	9.3'	8.4'	4.1'
5'	4.0'	9.8'	8.6'	3.8'
5'	4.5'	10.3'	8.7'	3.4'
5'	5.0'	10.8'	8.9'	3.1'

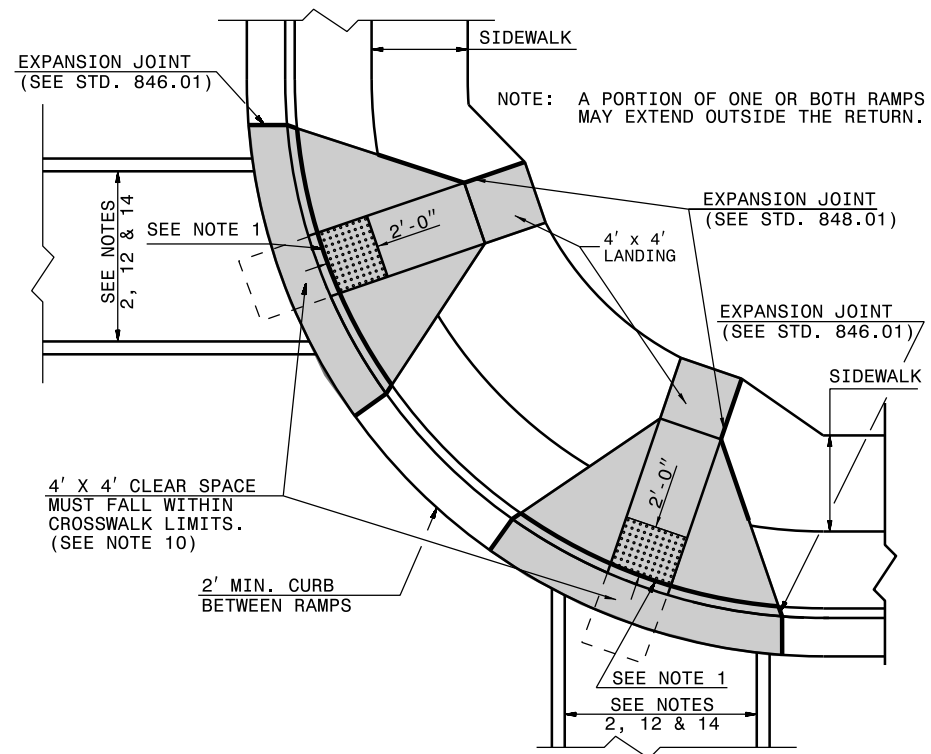
$B = X - (A + 9")$
B = DISTANCE FROM FRONT EDGE OF SIDEWALK TO BACK POINT OF 12:1 (8.33%) SLOPE.
* BACK OF SIDEWALK DROP REQUIRED FOR ALL SIDEWALK SLOPES.
** BACK OF SIDEWALK DROP REQUIRED FOR SIDEWALK SLOPES 0.04.



SECTION B-B



SECTION A-A



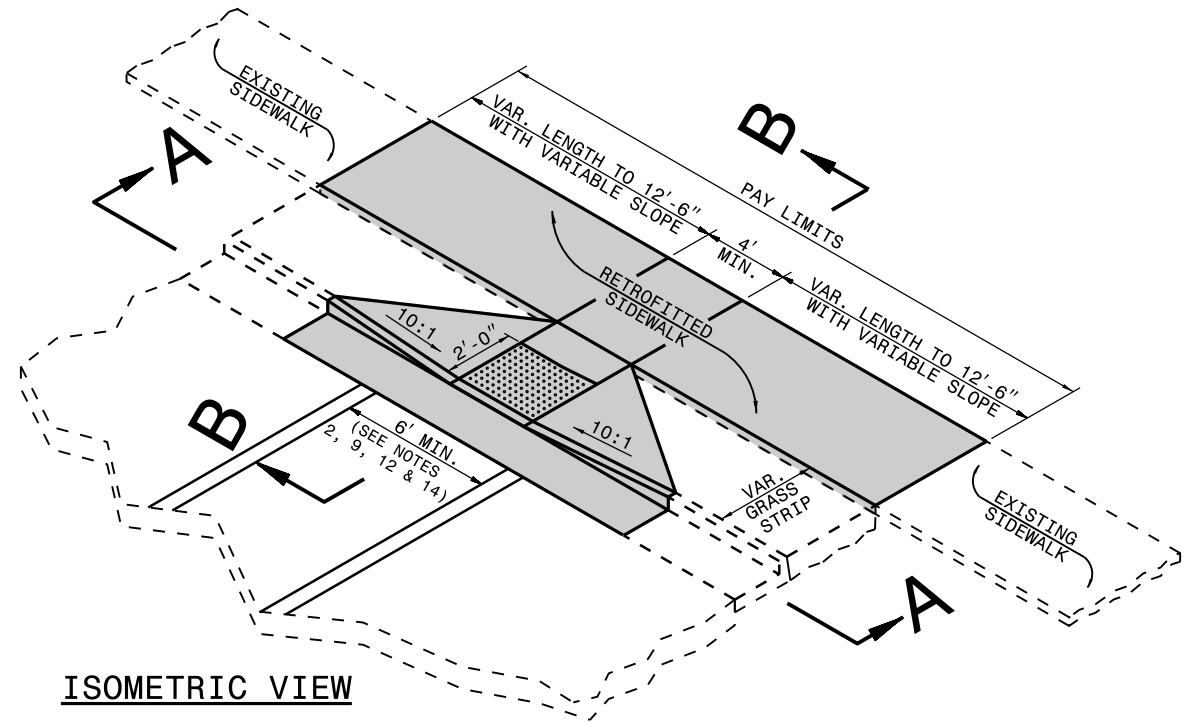
PLAN VIEW

DUAL RAMPS
ANY RADII
(4' MIN. FLOOR WIDTH)

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

ROADWAY STANDARD DRAWING FOR
CURB RAMP
PROPOSED CURB AND GUTTER

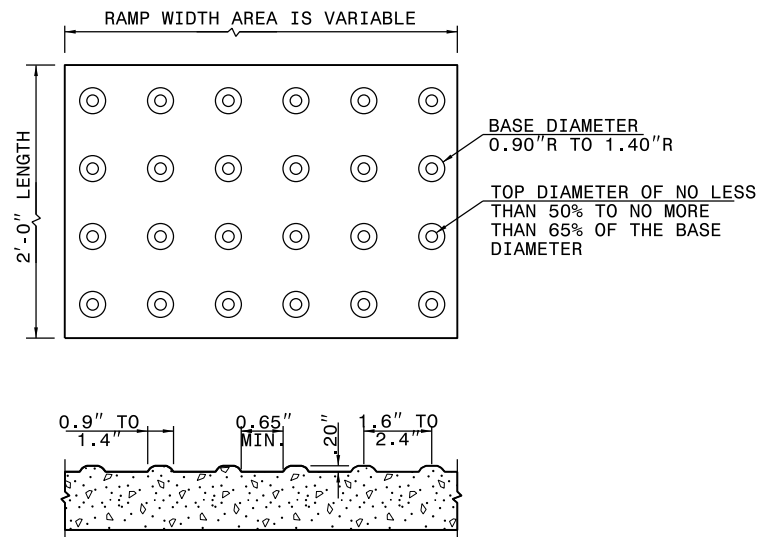
SHEET 1 OF 13
848.06



ISOMETRIC VIEW

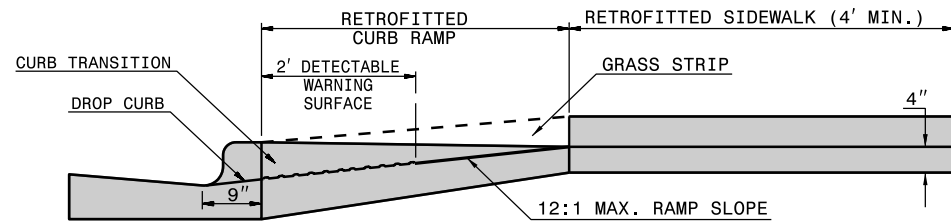
NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

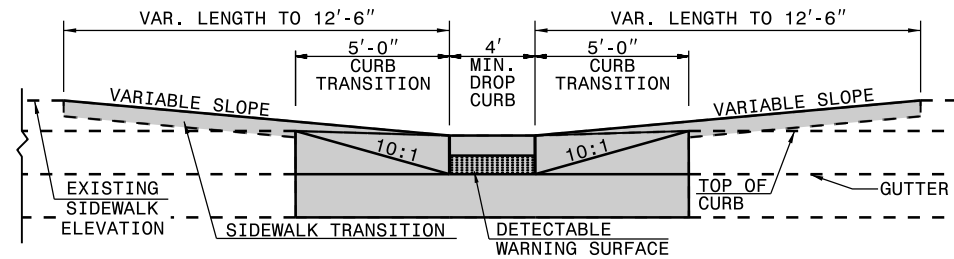


DETECTABLE WARNING SURFACE

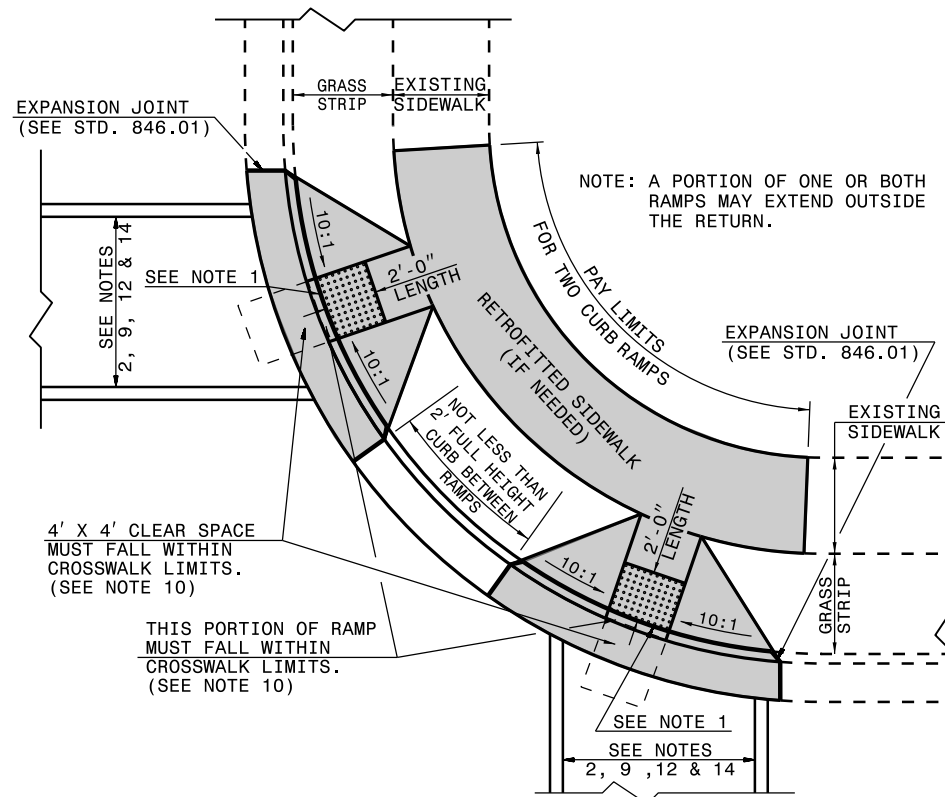
 PAY LIMITS OF CURB RAMP



SECTION B-B



SECTION A-A



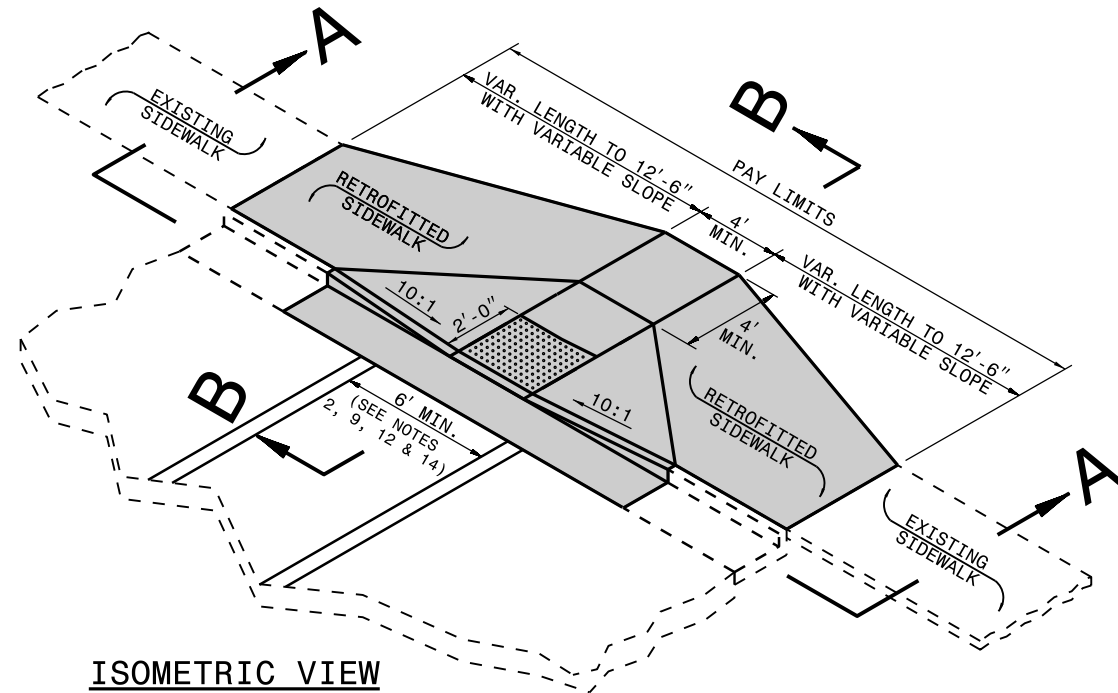
PLAN VIEW

DUAL RAMPS
ANY RADII
(40" MIN. FLOOR WIDTH)

1-24
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CURB RAMP
CURB RAMP AND EXISTING SIDEWALK
WITH GRASS STRIP

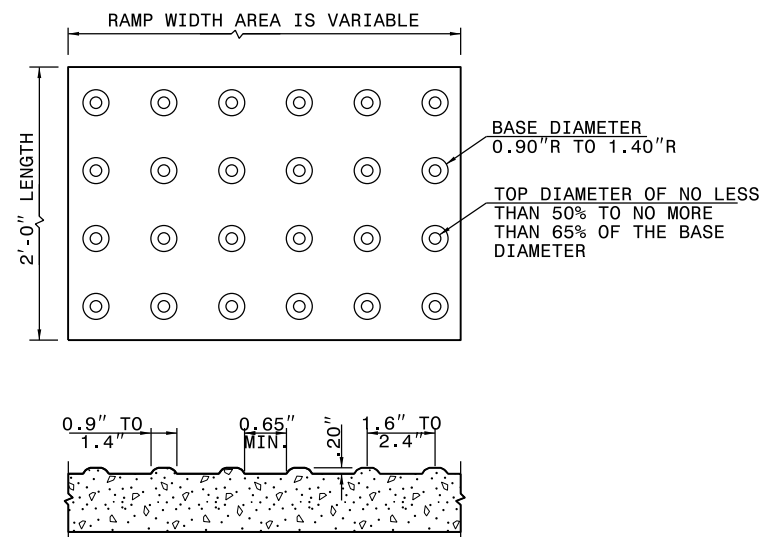
SHEET 2 OF 13
848.06



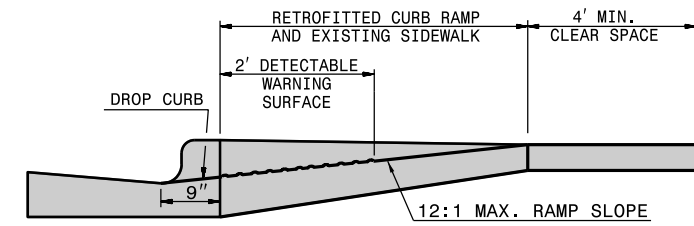
NOTES:

DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

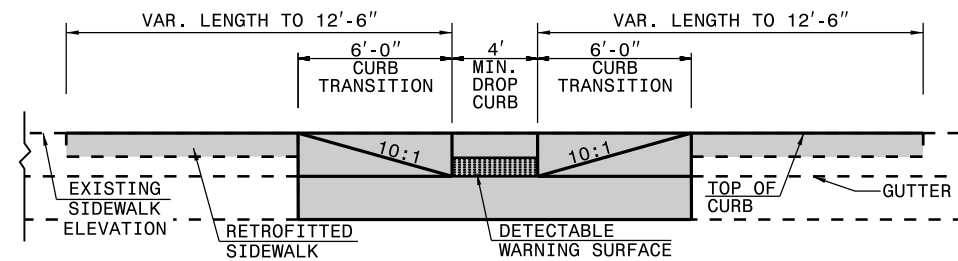
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



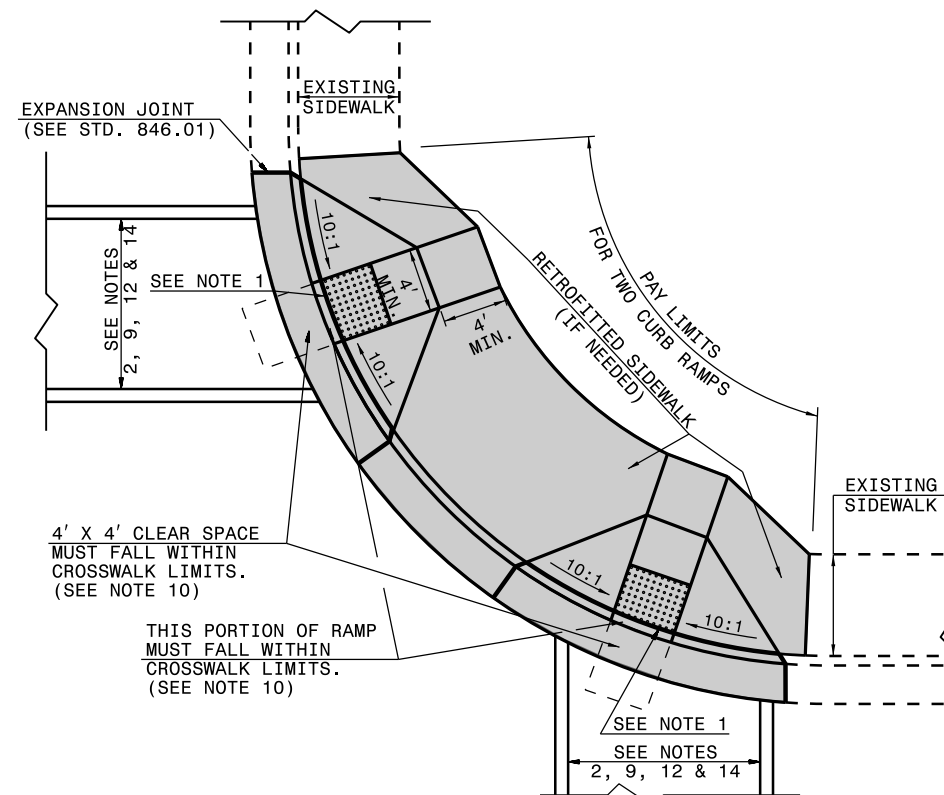
DETECTABLE WARNING SURFACE



SECTION B-B



SECTION A-A



PLAN VIEW

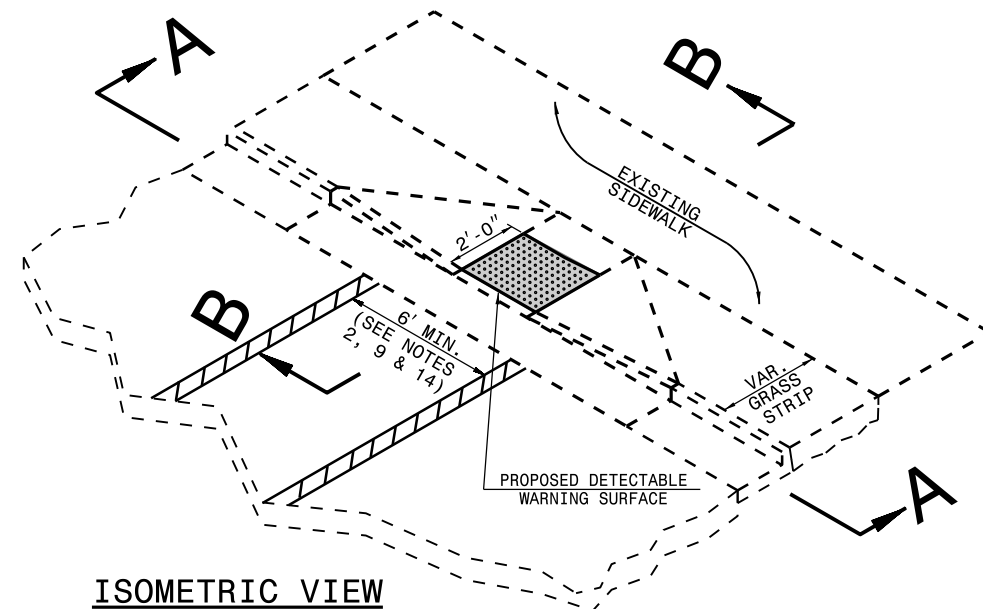
DUAL RAMPS
ANY RADII
(40" MIN. FLOOR WIDTH)

1-24 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY STANDARD DRAWING FOR
CURB RAMP
CURB RAMP AND EXISTING SIDEWALK
ADJACENT TO CURB

SHEET 3 OF 13

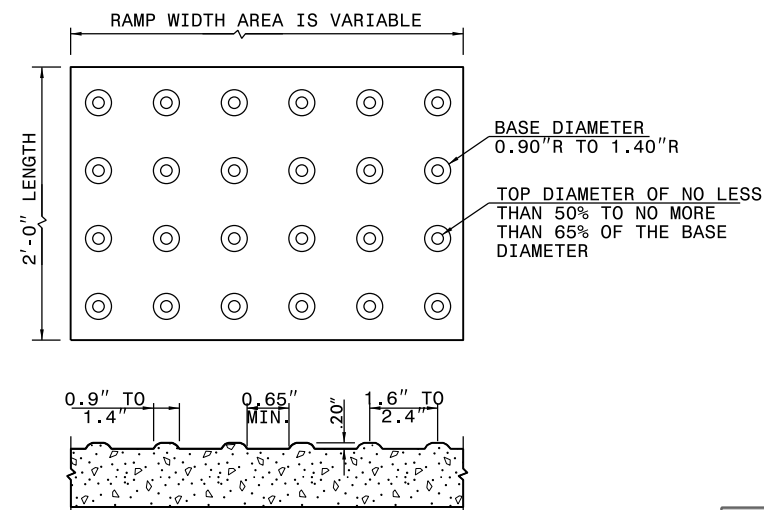
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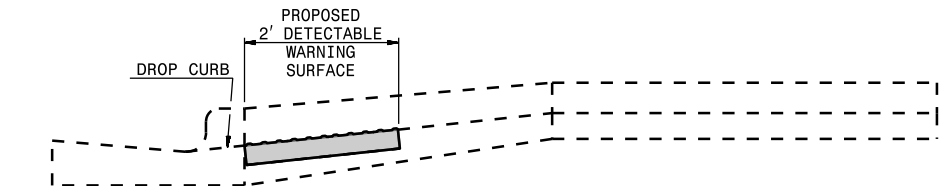
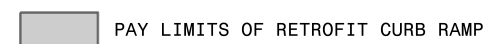
NOTES:

DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

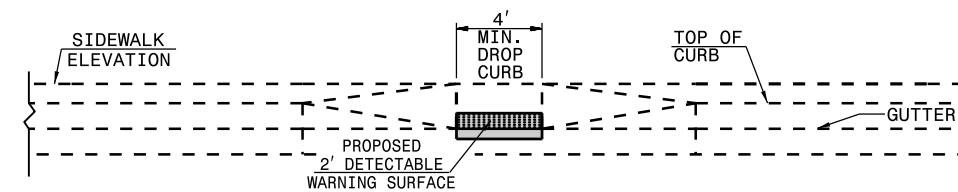
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE,
EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



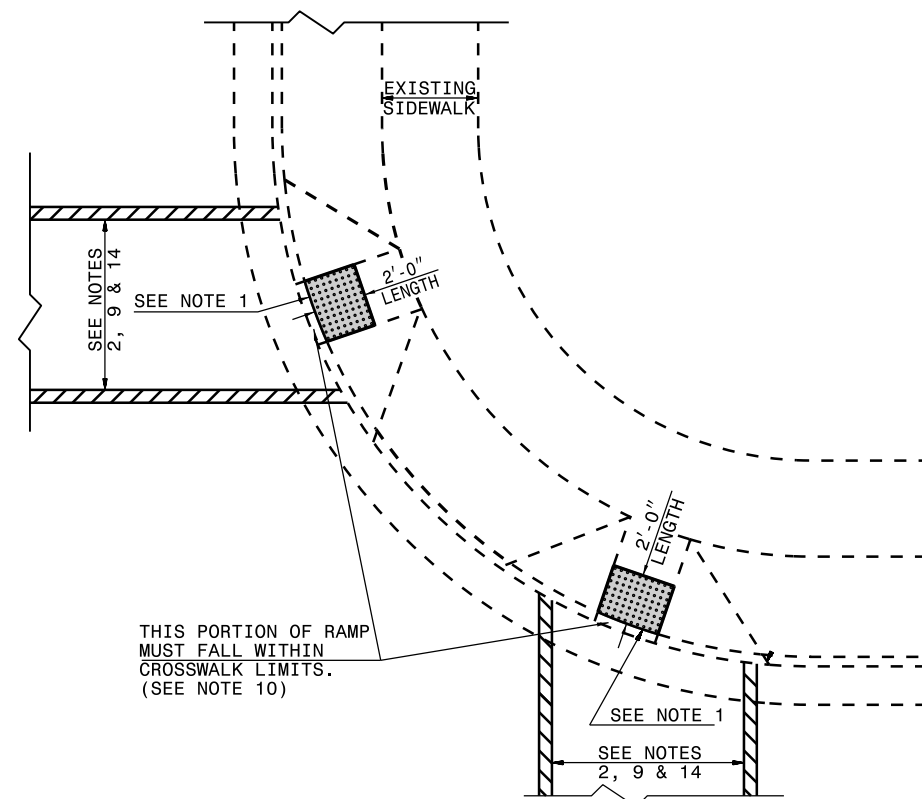
DETECTABLE WARNING SURFACE



SECTION B-B



SECTION A-A



PLAN VIEW

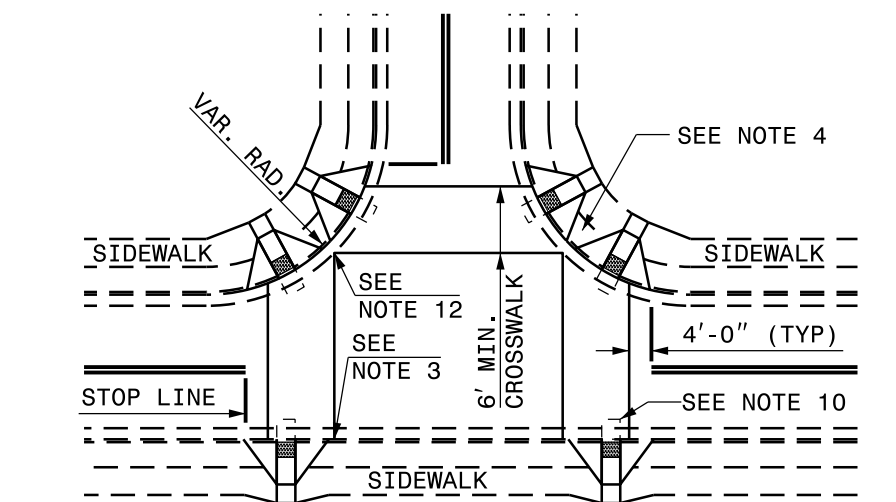
DUAL RAMPS
ANY RADII
(40" MIN. FLOOR WIDTH)

1-24 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

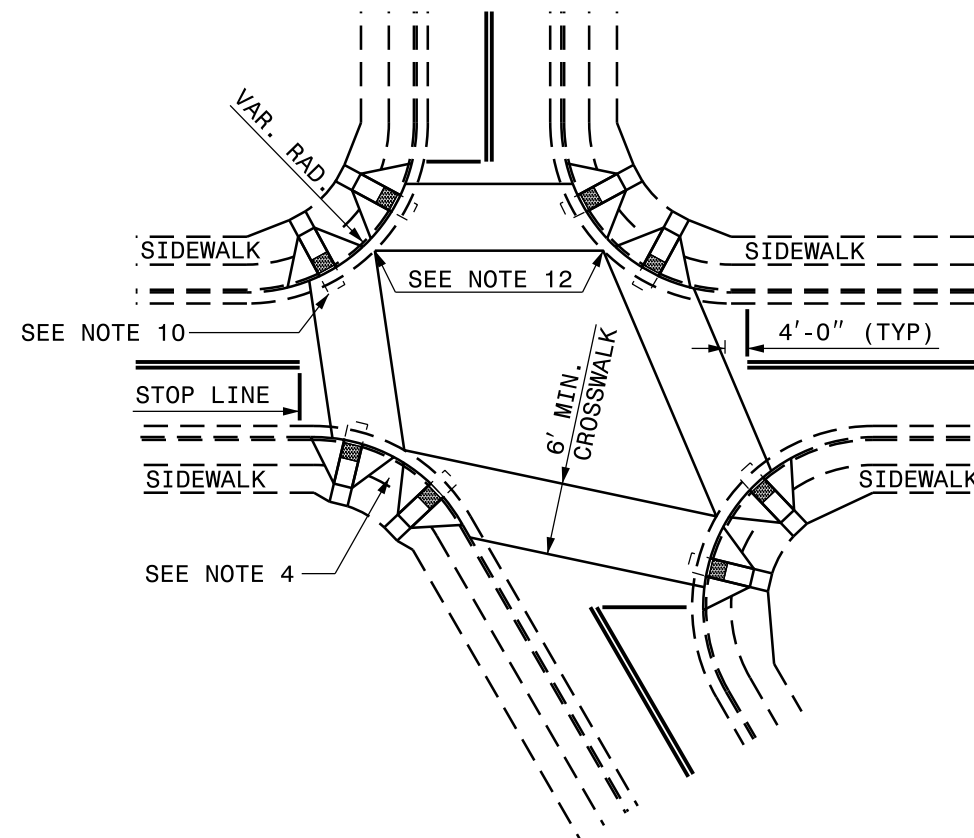
ROADWAY STANDARD DRAWING FOR **CURB RAMP** RETROFITTING DETECTABLE WARNING SURFACE ONTO EXISTING CURB RAMP

SHEET 4 OF 13

848.06



DETAIL SHOWING TYPICAL LOCATION OF CURB RAMPS,
PEDESTRIAN CROSSWALKS AND STOP LINES FOR TEE INTERSECTIONS

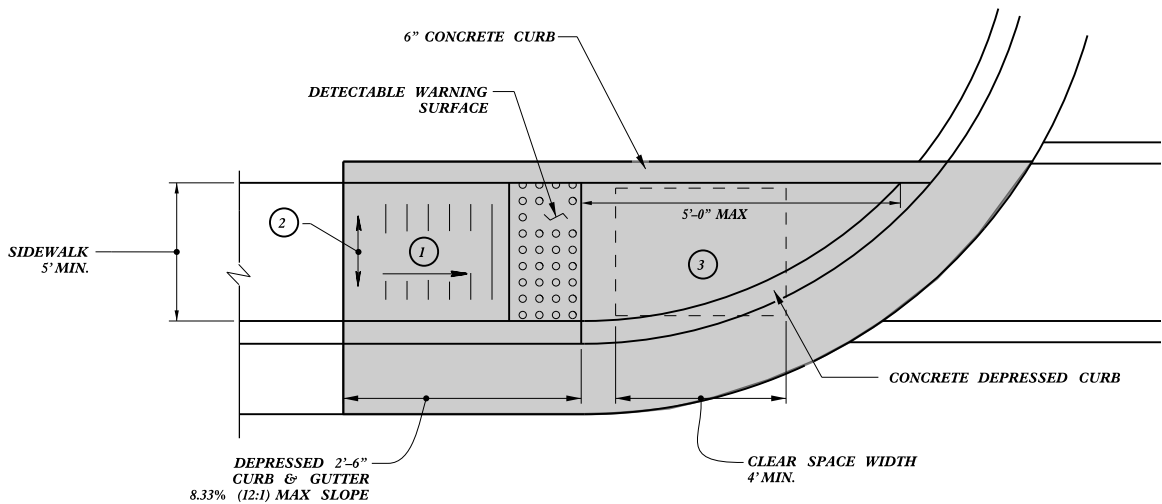


DETAIL SHOWING TYPICAL LOCATION OF CURB
RAMPS, PEDESTRIAN CROSSWALKS AND STOP LINES

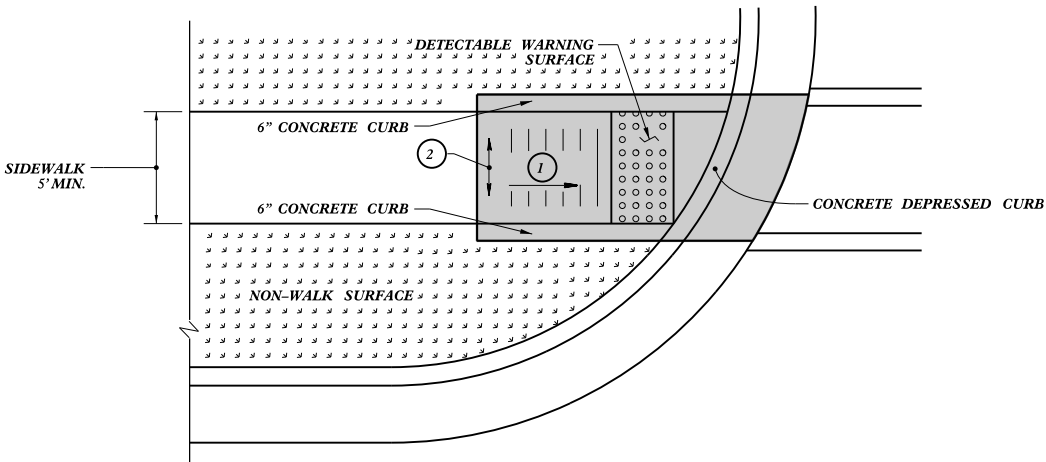
ROADWAY
PLAN SYMBOL
CR
FOR PROPOSED
CURB RAMP

 PROPOSED CURB RAMP W/ CLEAR SPACE
 PROPOSED OR FUTURE SIDEWALK

ALLOWABLE LOCATIONS
DUAL RAMP RADII.....ANY



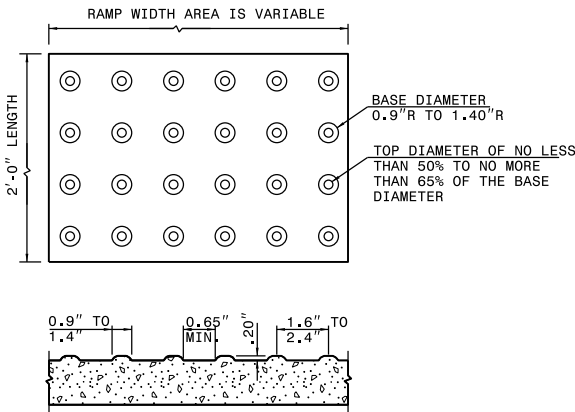
TYPE 1



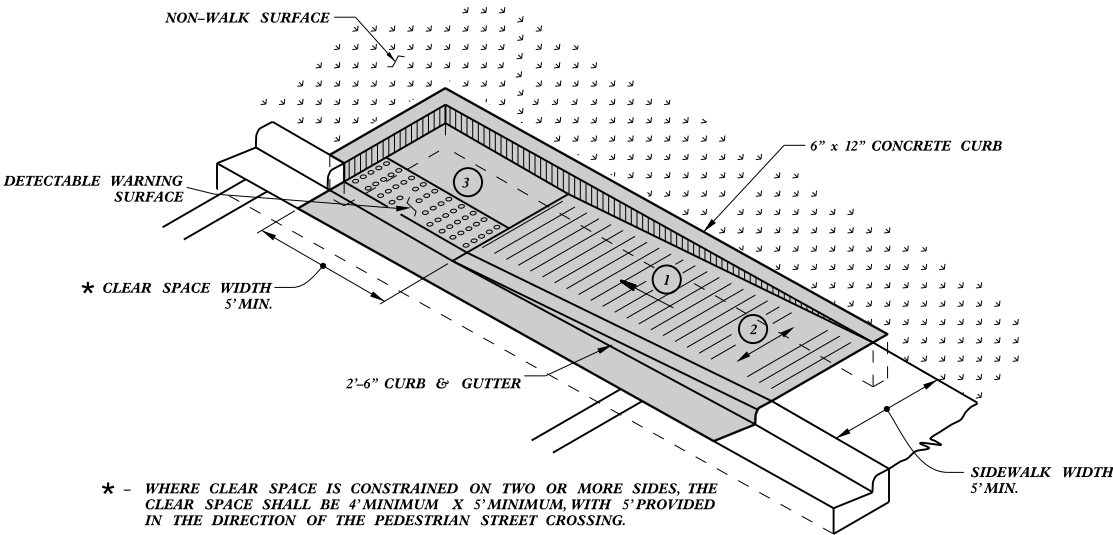
TYPE 1 MODIFIED

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

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



DETECTABLE WARNING SURFACE



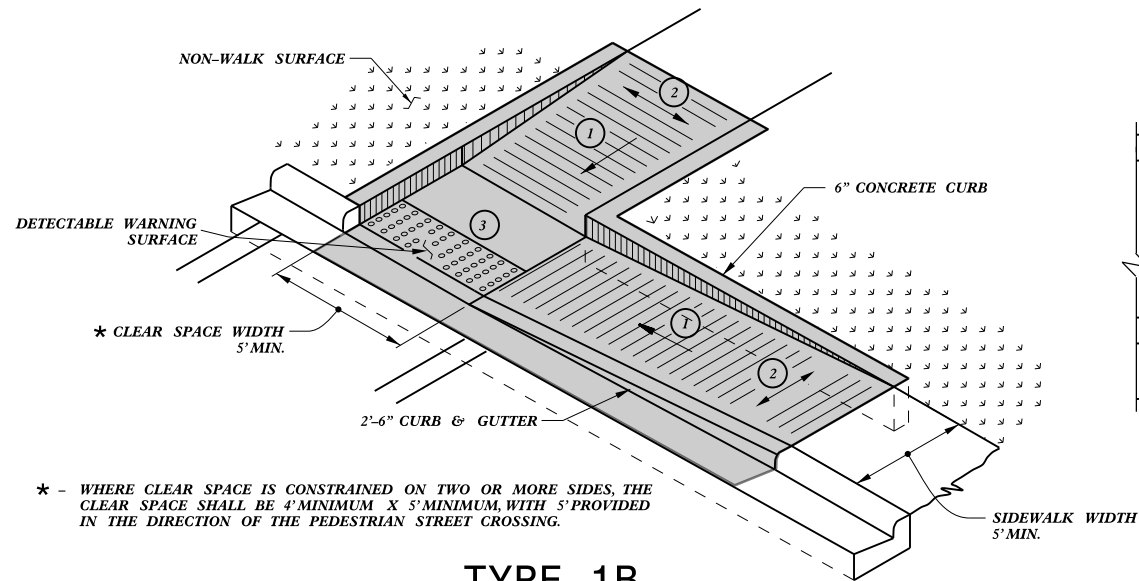
TYPE 1A

* - WHERE CLEAR SPACE IS CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' MINIMUM, WITH 5' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.

PAY LIMITS FOR 1 CURB RAMP

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

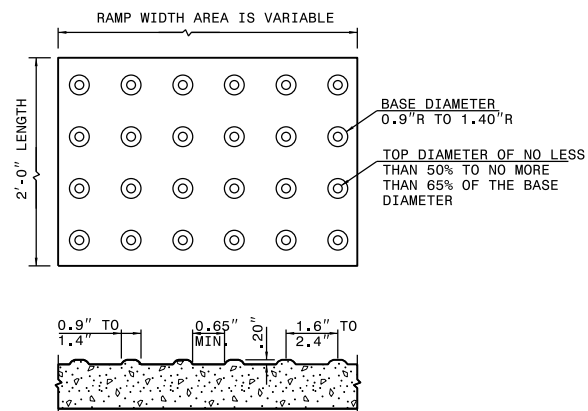
ROADWAY STANDARD DRAWING FOR
CURB RAMP
DIRECTIONAL RAMP



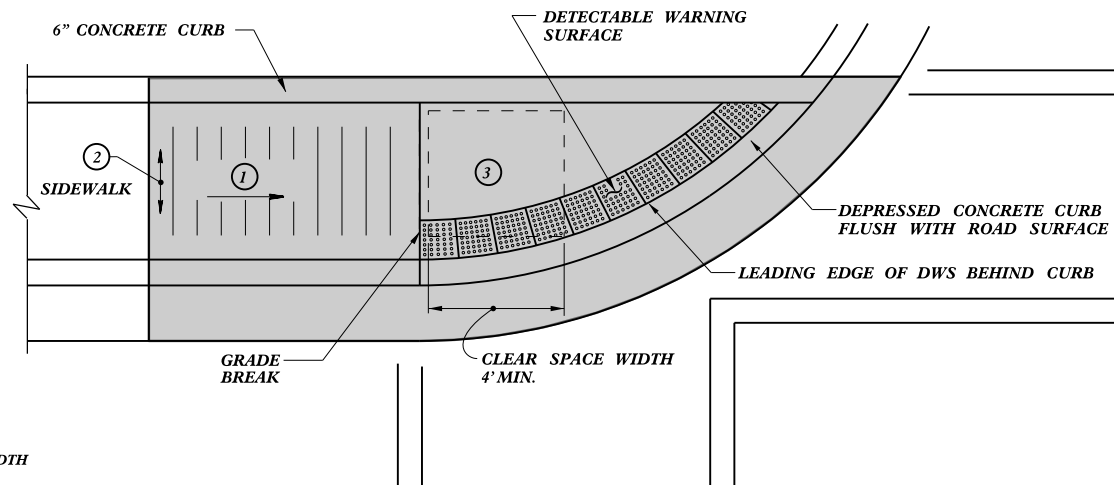
TYPE 1B

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

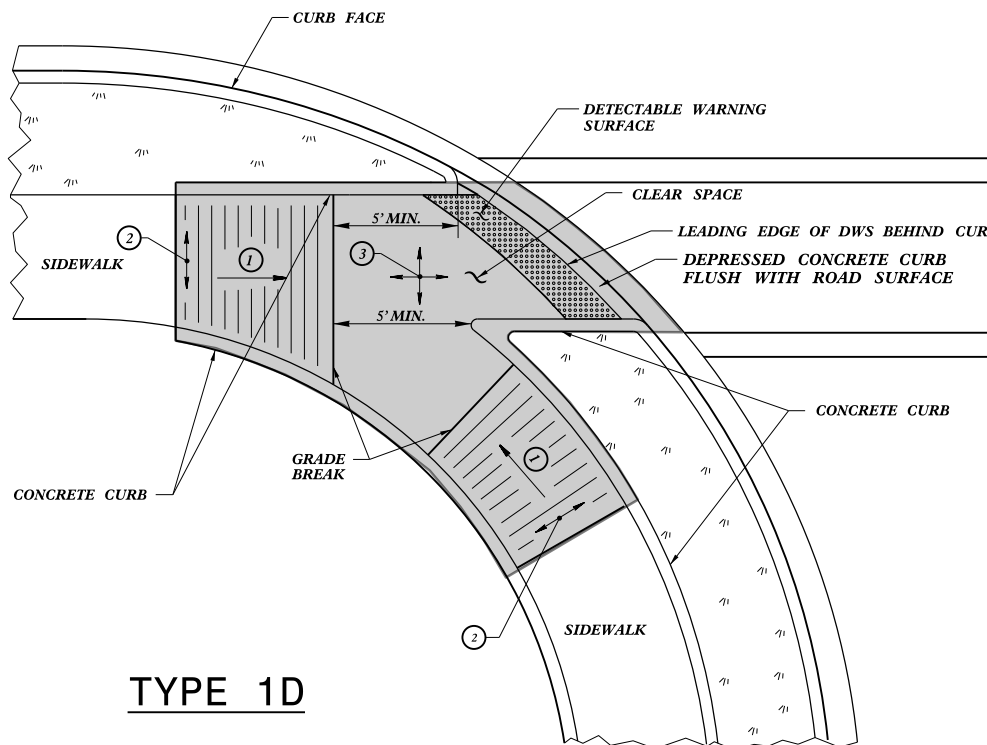
NOTES:
DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



DETECTABLE WARNING SURFACE



TYPE 1C

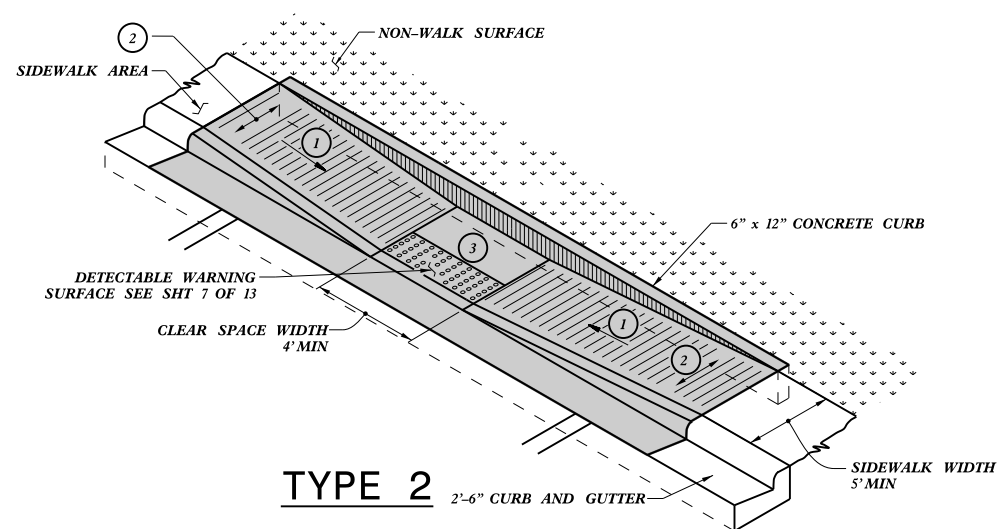


TYPE 1D

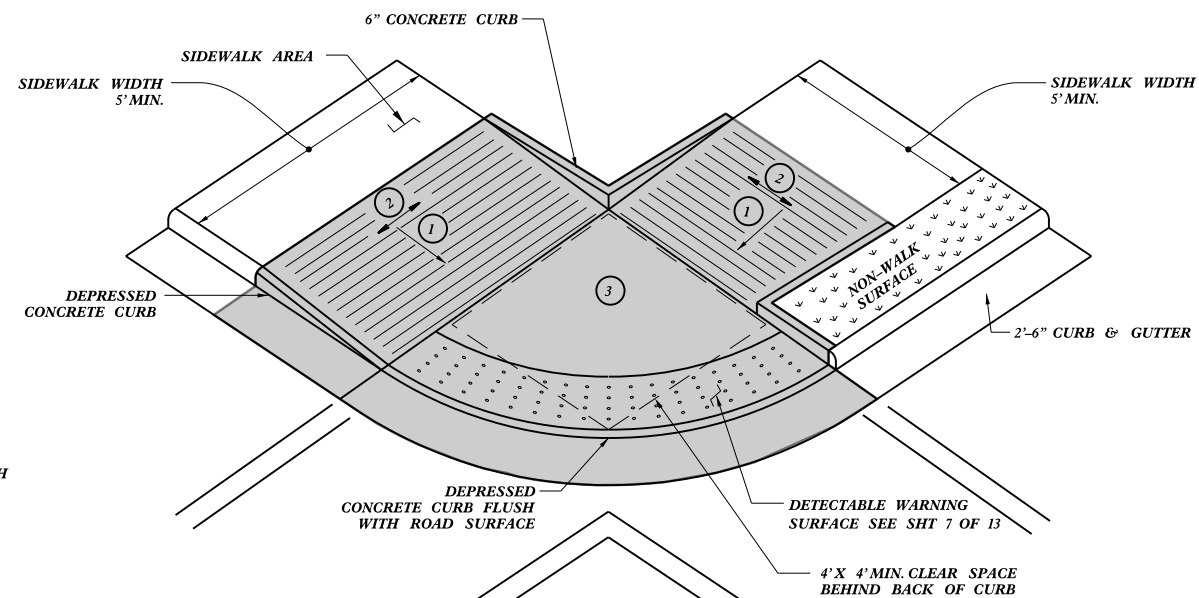
PAY LIMITS FOR 1 CURB RAMP

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

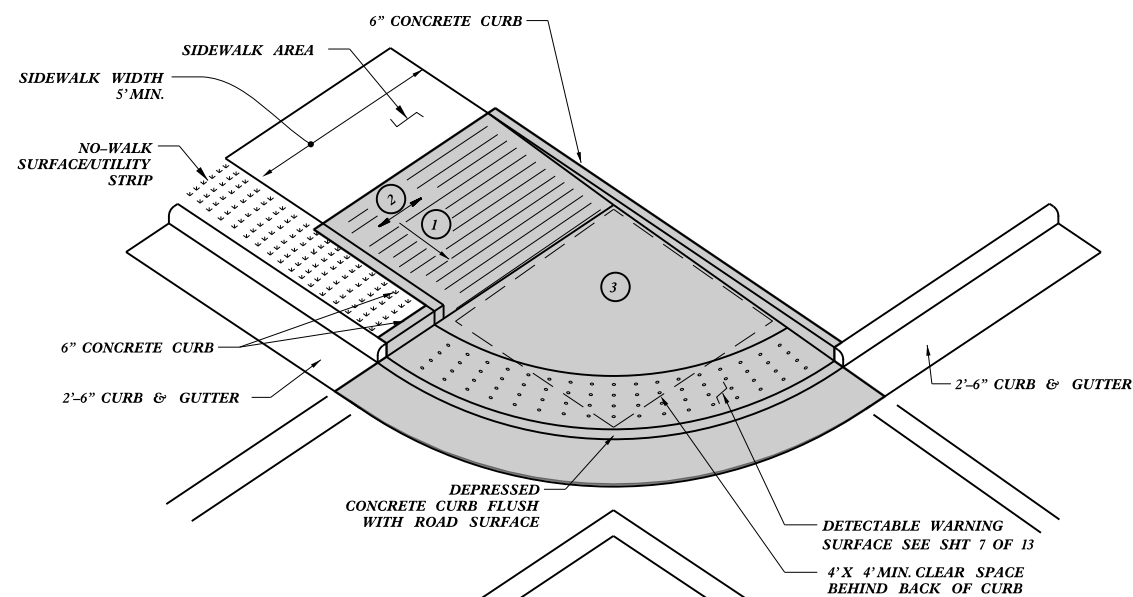
ROADWAY STANDARD DRAWING FOR
CURB RAMP
DIRECTIONAL RAMP



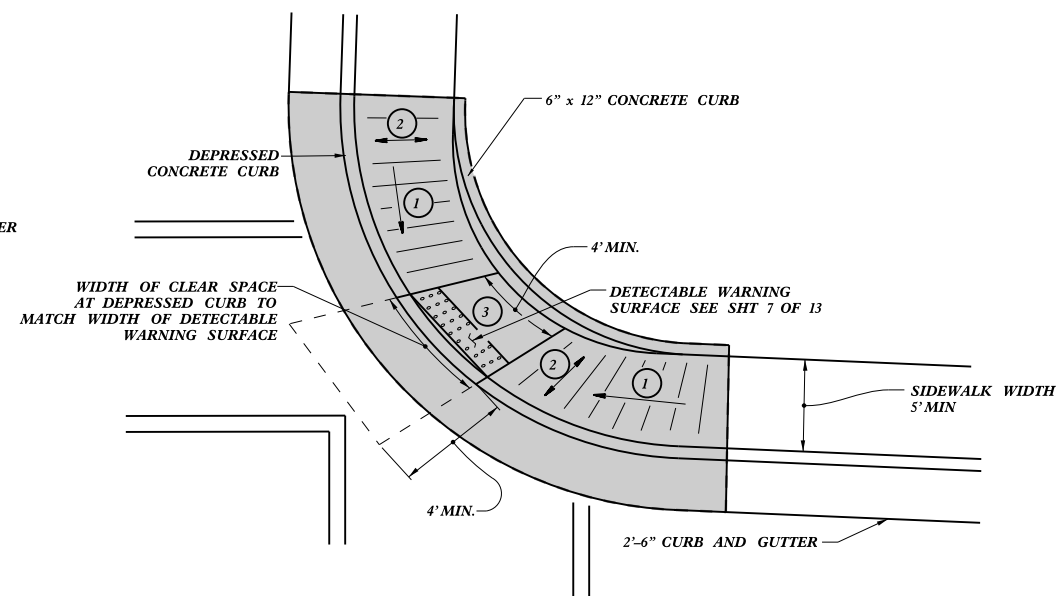
TYPE 2



TYPE 2A



TYPE 2A MODIFIED



TYPE 2B

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

PAY LIMITS FOR 1 CURB RAMP

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

ROADWAY STANDARD DRAWING FOR
CURB RAMP
PARALLEL RAMP

PROJECT REFERENCE NO.	SHEET NO.
BO-2404FA & BO-2404FB	46

★ - WHERE CLEAR SPACE IS CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' MINIMUM, WITH 5' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.

★ CLEAR SPACE 5' MIN.

6" CONCRETE CURB

SIDEWALK WIDTH 5' MIN.

NON-WALK SURFACE

2'-6" CURB & GUTTER

DETECTABLE WARNING SURFACE

TYPE 3

NOTES:

DETECTABLE WARNING SURFACE SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

DETECTABLE WARNING SURFACE

SIDEWALK AREA

6" CONCRETE CURB

NON-WALK SURFACE

★ CLEAR SPACE 5' MIN.

SIDEWALK WIDTH 5' MIN.

NON-WALK SURFACE

2'-6" CURB AND GUTTER

4' MIN.

DETECTABLE WARNING SURFACE

WIDTH OF CLEAR SPACE AT DEPRESSED CURB TO MATCH WIDTH OF DETECTABLE WARNING SURFACE

TYPE 3 MODIFIED

INSTALLATION IN A RADIUS

1

8.33% (12:1) MAX RAMP SLOPE

2

CROSS SLOPE: 2.00%

3

MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%.

PAY LIMITS FOR 1 CURB RAMP

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

ROADWAY STANDARD DRAWING FOR
CURB RAMP
PARALLEL RAMP

SHEET 9 OF 13
848D06



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

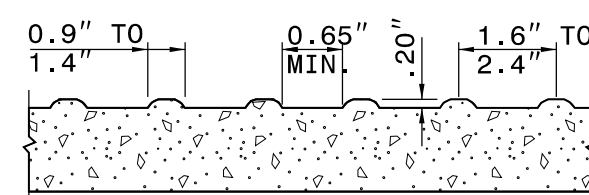
CONTRACTS STANDARDS
AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

ORIGINAL BY: S.CALHOUN DATE: 12-22-2023
MODIFIED BY: DATE:
CHECKED BY: DATE:
FILE SPEC.: special_details\nmhackler\DO609.dgn



DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE,
EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



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

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

DETECTABLE WARNING SURFACE

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

STANDARD DRAWING FOR
CURB RAMP
SHARED LANDING

SHEET 10 OF 13

848D06



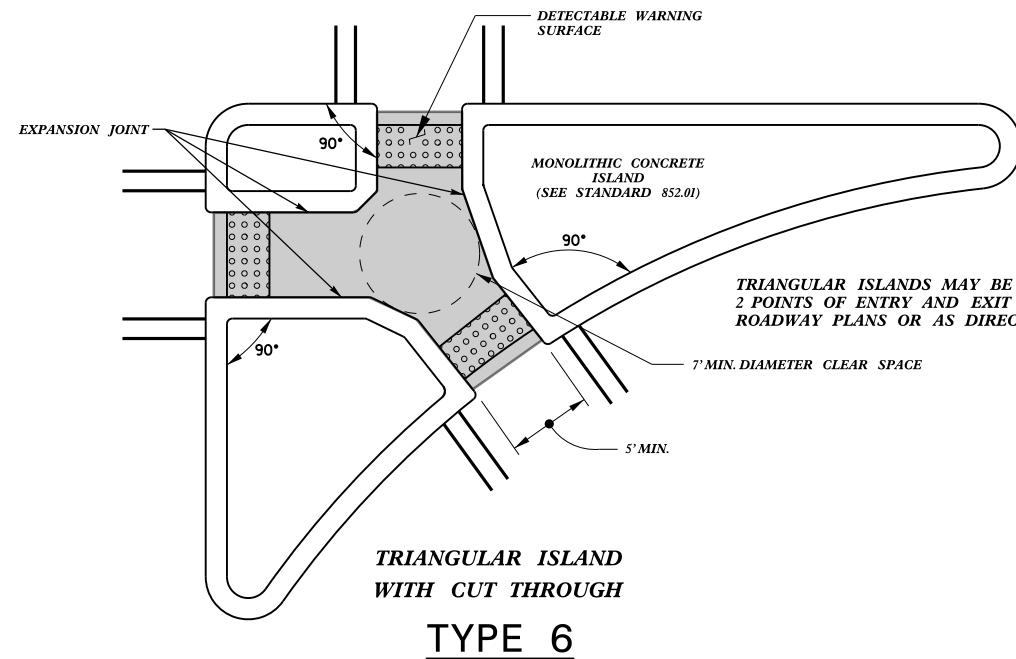
Signed by:
Nicola M Hachler
5884323D34184C5...
3/6/2026

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

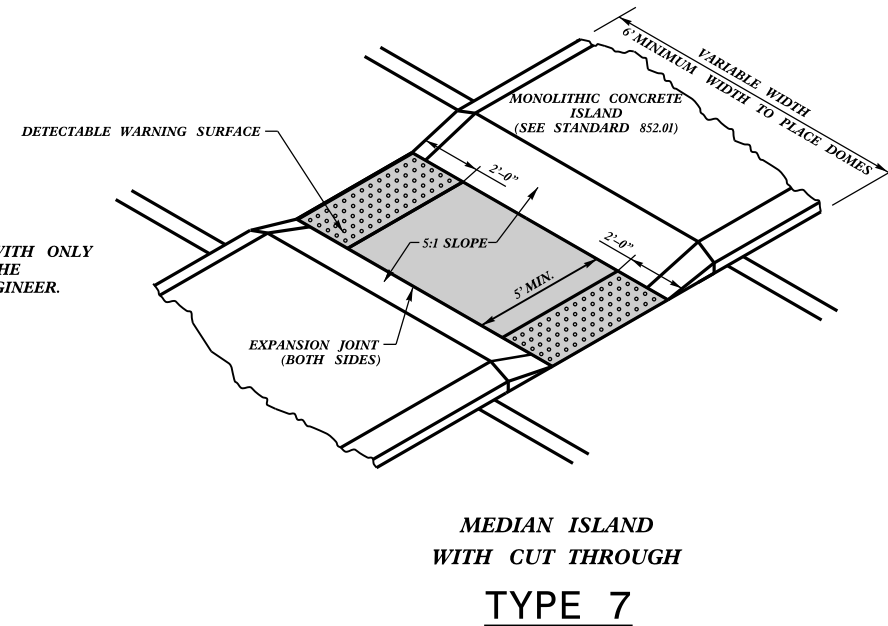
**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

SEE TITLE BLOCK

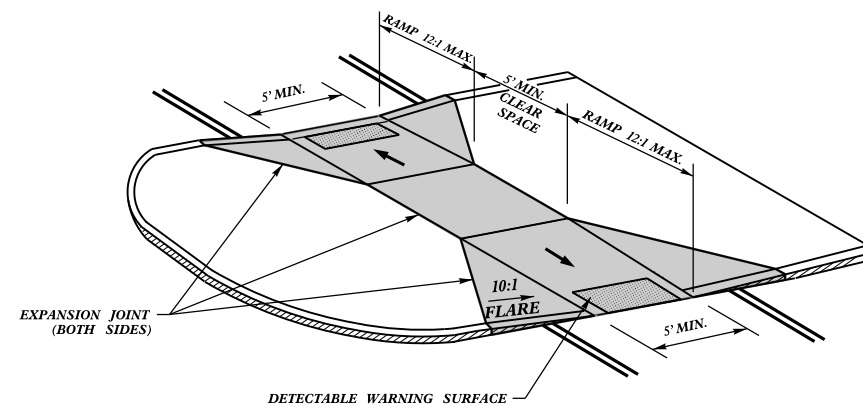
ORIGINAL BY: S.CALHOUN DATE: 12-22-2023
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC.: special_details\nmhackler\848D0610.dgn



TRIANGULAR ISLAND
WITH CUT THROUGH
TYPE 6



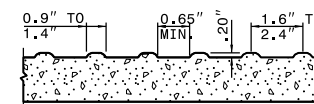
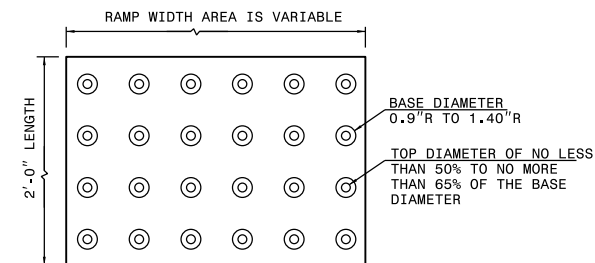
MEDIAN ISLAND
WITH CUT THROUGH
TYPE 7



MEDIAN ISLAND
CURB RAMPS
TYPE 8

PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF
SETS OF DETECTABLE WARNING SURFACES)

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



DETECTABLE WARNING SURFACE

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

ROADWAY STANDARD DRAWING FOR
CURB RAMP
ISLAND RAMP

NOTES:

1. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
2. LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMPS OR MARKINGS AS SHOWN, CONTACT THE SIGNING AND DELINEATION UNIT OR LOCATE AS DIRECTED BY THE ENGINEER.
3. COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'x4' CLEAR SPACE AT THE BASE OF THE CURB RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES.
4. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM.
5. REFER TO THE PAVEMENT MARKING PLANS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS. IF A PAVEMENT MARKING PLAN IS NOT PROVIDED, CONTACT THE SIGNAL DESIGN SECTION FOR THE STOP BAR LOCATIONS OR LOCATE AS DIRECTED BY THE ENGINEER.
6. TERMINATE PARKING A MINIMUM OF 20' FROM THE BACK OF PEDESTRIAN CROSSWALK.
7. CONSTRUCT CURB RAMPS A MINIMUM OF 4' WIDE.
8. CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM.
9. ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE 2% MAXIMUM.
10. CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE.
11. CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION.
12. CONSTRUCT CLEAR SPACES FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT CLEAR SPACES FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. IF CONSTRAINED ON TWO OR MORE SIDES, THE CLEAR SPACE SHALL BE 4' MINIMUM X 5' MINIMUM, WITH 5' PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.
13. TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE. CONSTRUCT MEDIAN ISLANDS TO PROVIDE PASSAGE OVER OR THROUGH THE ISLAND.
14. SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'x5' CLEAR SPACE AT THE TOP OF RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET.
15. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP, WHERE THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE, OR THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED.
16. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB AS SHOWN IN ROADWAY STANDARD DRAWING 848.01.
17. PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS AS SHOWN IN THE PLANS OR AS SHOWN IN THE MUTCD.
18. DETECTABLE WARNING SURFACES WILL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
19. DETECTABLE WARNING SURFACES WILL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

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

ROADWAY STANDARD DRAWING FOR
CURB RAMP
NOTES

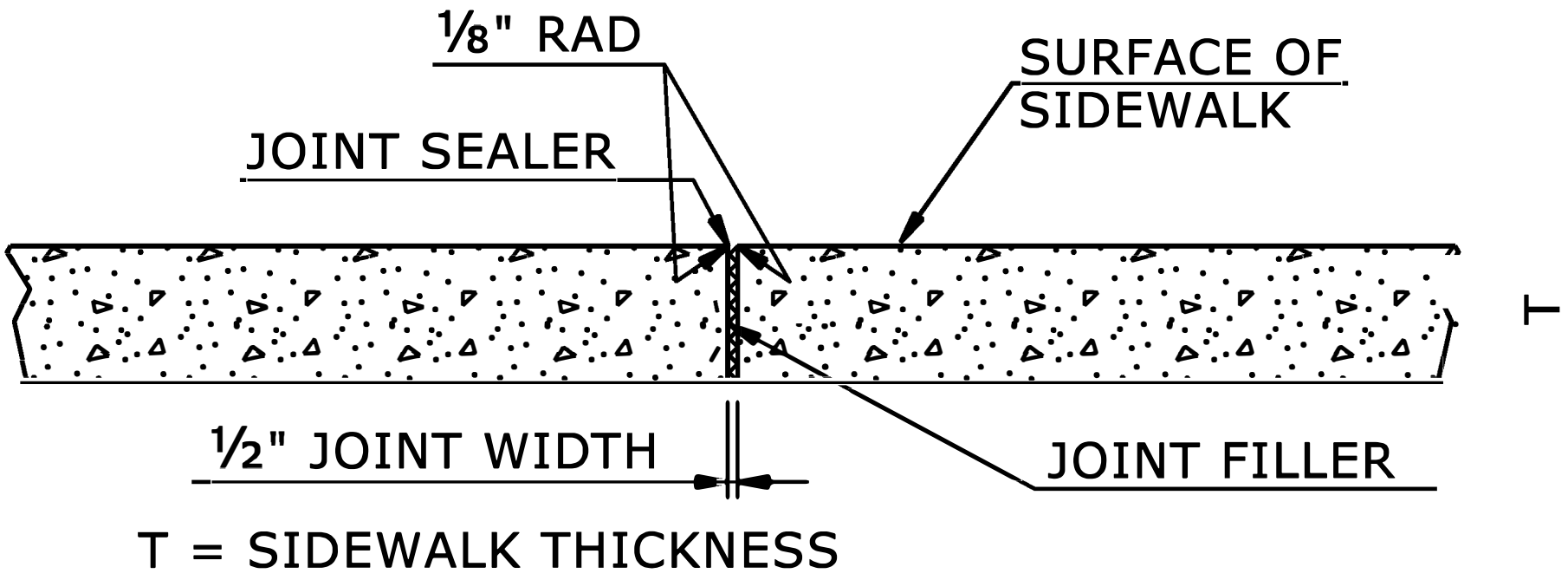
SHEET 13 OF 13
848.06

NOTES:

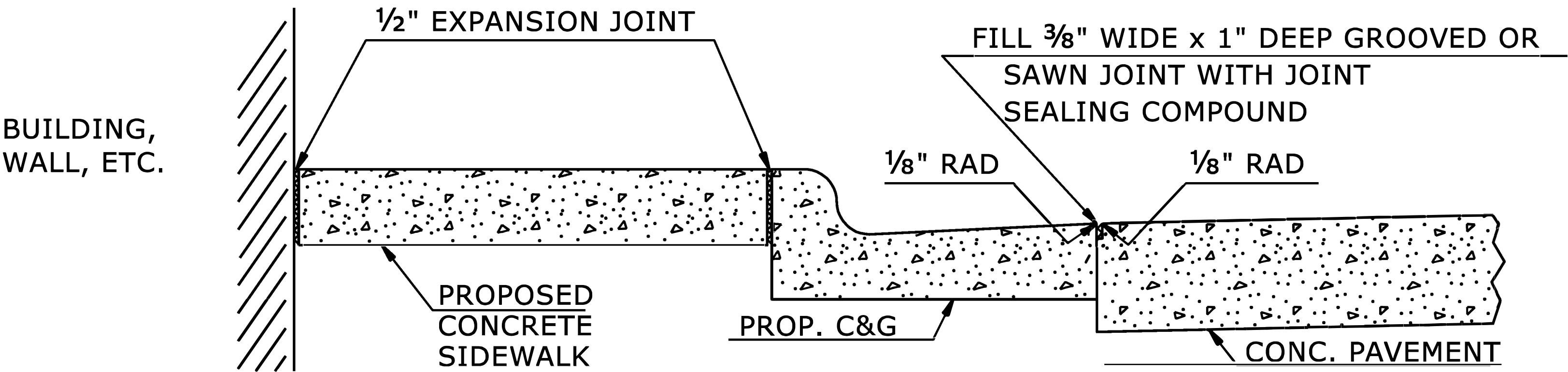
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

PLACE A GROOVE JOINT 1" DEEP WITH 1/8" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.06 FOR CURB RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.



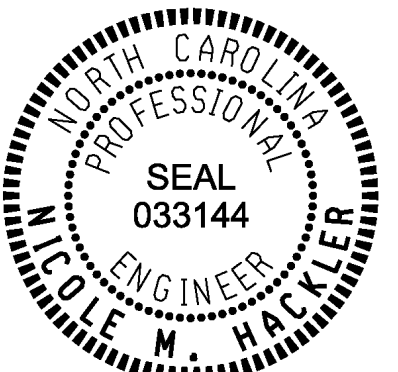
TRANSVERSE EXPANSION JOINT
IN SIDEWALK



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK

STATE OF
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RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
CONCRETE SIDEWALK



Signed by:
Nicole M. Hacker
3/6/2026

SHEET 1 OF 1
848D01

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**

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

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