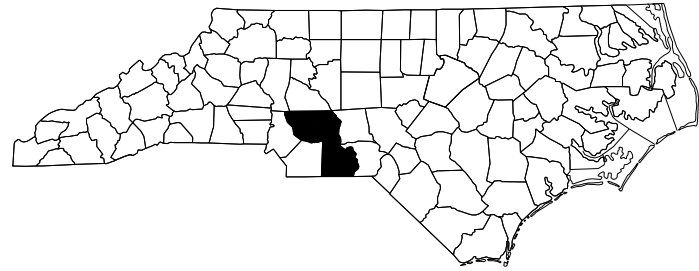


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5790JF	1	16
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44920.3.14	TAP-00SS(060)	Const	

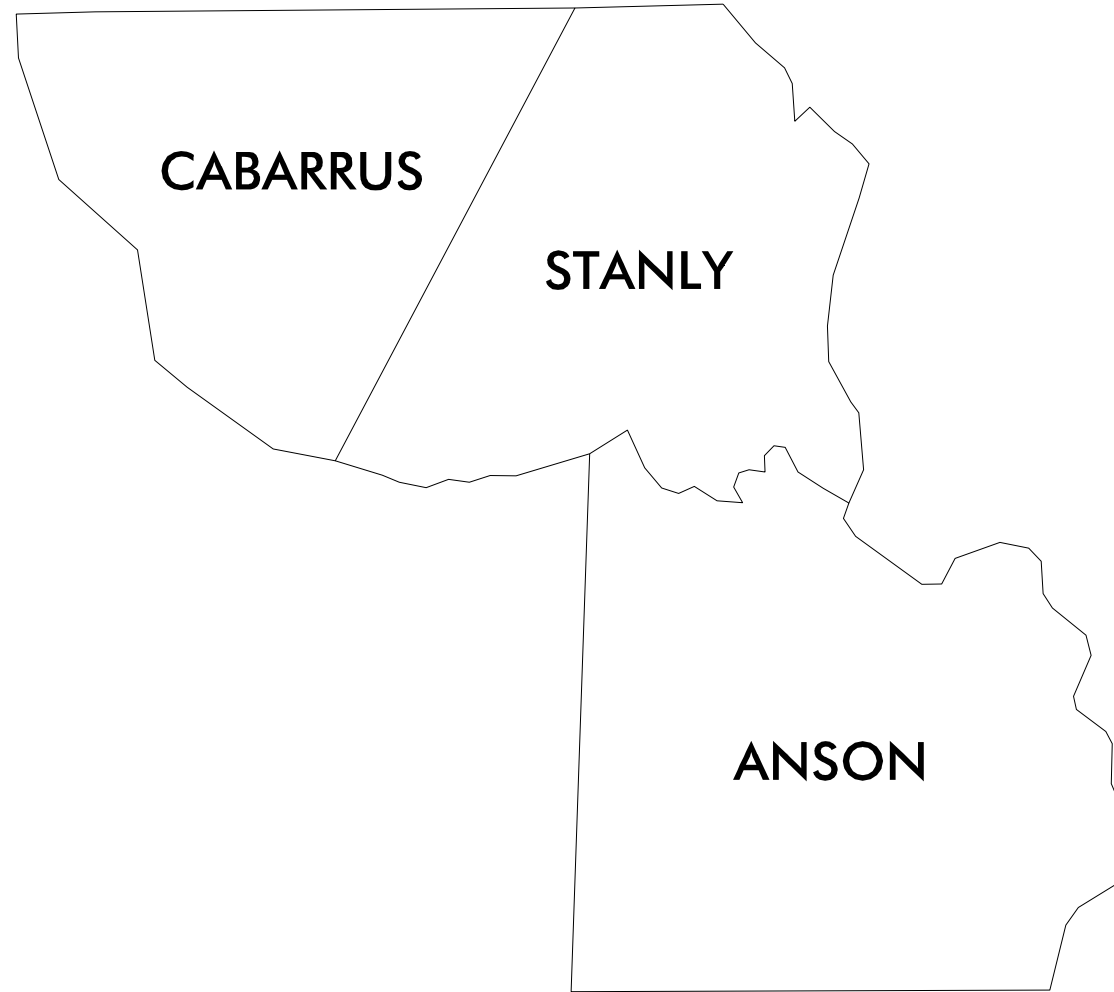


DIVISIONWIDE

LOCATION: CABARRUS COUNTY, STANLY COUNTY & ANSON COUNTY

TYPE OF WORK: CURB RAMP INSTALLATIONS

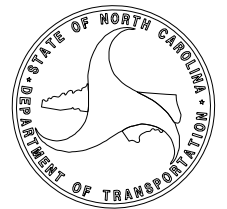
CONTRACT: DJ00360 TIP PROJECT: R-5790JF



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

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: —	TERRY W. BURLESON PROJECT ENGINEER
LETTING DATE: January 15, 2020	RAMEY KEMP & ASSOCIATES PROJECT DESIGN ENGINEER



SUMMARY OF QUANTITIES - DIVISION 10 UNDER 5000

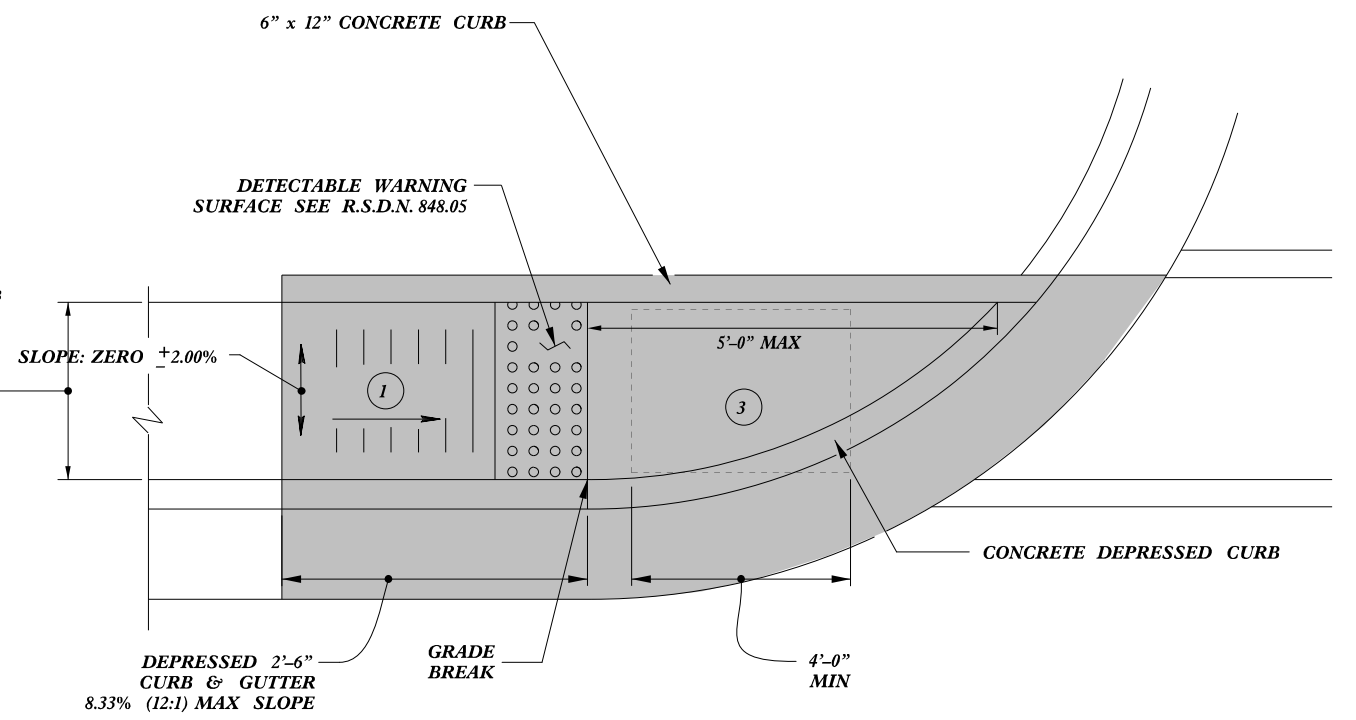
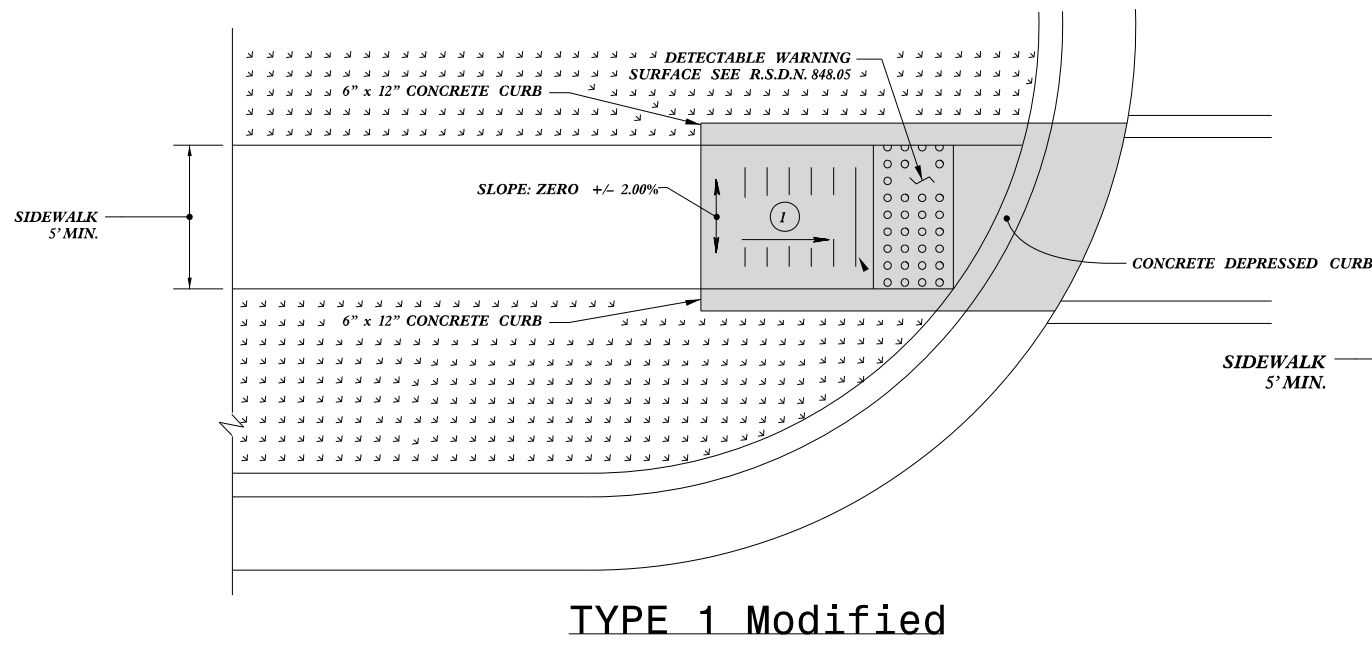
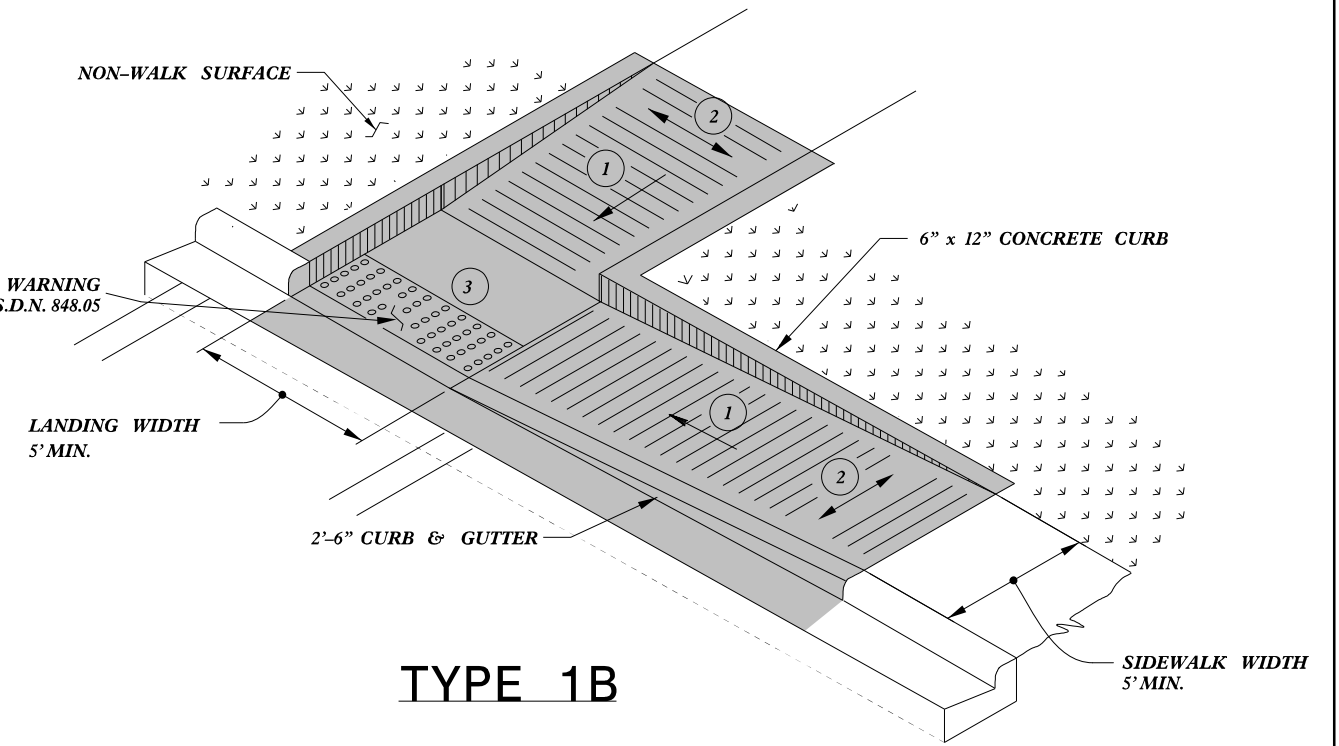
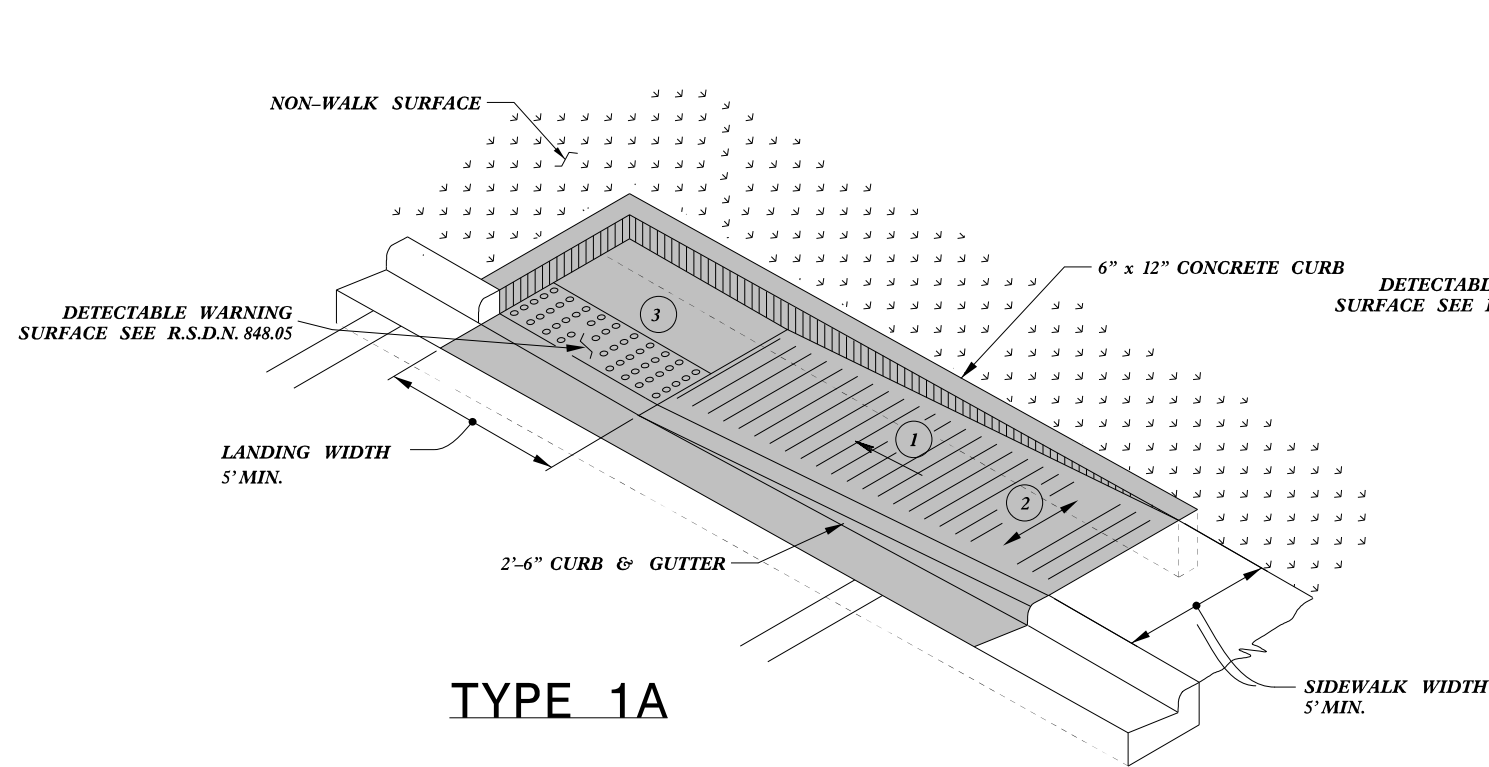
COUNTY: CABARRUS, STANLY & ANSON

TIP Project: R-5790JF
WBS: 44920.3.14

Ramp ID	Map Number	Inset Number	Route 1	Route 2	4457100000-N	2549000000-E	2591000000-E	2845000000-N		7648000000-N	2600000000-N	2613000000-N	2605000000-N	Ramp Type
					Traffic Control LS	2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Adjust Valve / Meter EA	Crosswalks LF	Relocate Sign EA	Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	
2654	1-1	1	Wood St	Lee St						1			1	Type 2B
2655	1-1	1	Wood St	Lee St									1	Type 2A Modified
2656	1-1	2	Wood St	Grant St									1	Type 1
2657	1-1	2	Wood St	Grant St									1	Type 1
2658	1-1	3	Wood St	Jackson St								1		Type 2A Modified
2659	1-1	3	Wood St	Jackson St									1	Type 1A
2660	1-1	4	Sherman St	Lee St									1	Type 2A Modified
2661	1-1	4	Sherman St	Lee St									1	Type 2A Modified
2741	1-1	4	Sherman St	Lee St									1	Type 2B
2662	1-1	5	Roosevelt St	Grant St									1	Type 2B
2664	1-1	5	Roosevelt St	Grant St									1	Type 1
2665	1-1	6	Roosevelt St	Jackson St						2			1	Type 1
2666	1-1	6	Roosevelt St	Jackson St									1	Type 2B
2667	1-1	7	Roosevelt St	Sumpter St									1	NCDOT Std. 848.06
2668	1-1	7	Roosevelt St	Sumpter St									1	Type 1
2671	1-1	8	Dewey St	Washington St									1	Type 2B
2672	1-1	8	Dewey St	Washington St									1	Type 2B
2673	1-1	8	Dewey St	Washington St									1	Type 2B
2674	1-2	9	Dewey St	Mayo St									1	Type 2B
2675	1-2	9	Dewey St	Mayo St									1	Type 2B
2676	1-2	9	Dewey St	Mayo St									1	Type 2B
2702	1-2	10	Dewey St	Wayne St									1	Type 1
2697	2-1	11	NC 740	Falls Rd					200			1		NCDOT Std. 848.06
2698	2-1	11	NC 740	Falls Rd			5					1		NCDOT Std. 848.06
2677	2-1	12	Nantahala St	Henderson St								1		Type 2B
2739	2-1	12	Nantahala St	Henderson St								1		Type 2B
2737	2-1	13	Falls Rd	Boyden St					200				1	Type 1 Modified
2738	2-1	13	Falls Rd	Boyden St							1			Retrofit
2689	2-1	14	Pine St	Yadkin St						1			1	NCDOT Std. 848.06
2690	2-1	14	Pine St	Yadkin St								1		Type 2B
2681	2-1	15	Maple St	Spruce St								1		Type 2A
2683	2-1	15	Maple St	Spruce St						1			1	Type 2
2684	2-1	15	Maple St	Spruce St									1	Type 2B
2729	2-1	15	Maple St	Spruce St									1	Type 8
2730	2-1	15	Maple St	Spruce St									1	Type 8
2746	2-1	15	Maple St	Spruce St									1	Type 2
2679	2-1	16	Nantahala St	Maple St									1	Type 2B
2680	2-1	16	Nantahala St	Maple St						1			1	Type 2B
2685	2-1	17	Maple St	Falls Rd								1		Type 2B
2686	2-1	17	Maple St	Falls Rd								1		Type 2B
2731	2-1	17	Maple St	Falls Rd								1		Type 2B
2732	2-1	17	Maple St	Falls Rd								1		Type 2
2695	2-1	18	Walnut St	Hickory St									1	Type 1
2696	2-1	18	Walnut St	Hickory St									1	Type 2B
2687	2-2	19	Maple St	Willow St									1	Type 2B
2688	2-2	19	Maple St	Willow St									1	Type 2B

Ramp ID	Map Number	Inset Number	Route 1	Route 2	4457100000-N	2549000000-E	2591000000-E	2845000000-N		7648000000-N	2600000000-N	2613000000-N	2605000000-N	Ramp Type
					Traffic Control LS	2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Adjust Valve / Meter EA	Crosswalks	Relocate Sign EA	Retrofit Existing Curb Ramps EA	Remove & Replace Curb Ramps EA	Concrete Curb Ramps EA	
2691	2-2	20	Willow St	Holly Pl									1	Type 2B
2692	2-2	20	Willow St	Holly Pl									1	Type 2
2699	2-2	21	Falls Rd	Spruce St								1		Type 2
2701	2-2	22	Falls Rd	Stanly St									1	Type 2B
2721	3	1	US 52 (Main St)	Smith St			45				2	1		NCDOT Std. 848.06
2705	4	1	US 52	Pheiffer University							2			Retrofit
2707	4	1	US 52	Pheiffer University							2			Retrofit
2709	4	2	US 52	Pheiffer University							1			Retrofit
2711	4	2	US 52	Pheiffer University							1			Retrofit
2719	5	1	Main St	Park Dr								1		Type 1 Modified
2720	5	1	Main St	Park Dr							1			Retrofit
2718	5	2	Main St	Cook St								1		Type 1 Modified
2745	5	2	Main St	Cook St						1		1		Type 1B
2715	5	3	Main St	Kluttz St							1			Retrofit
2744	5	3	Main St	Kluttz St							1			Retrofit
2713	5	4	Main St	Broad St							1			Retrofit
2714	5	4	Main St	Broad St							1			Retrofit
Total					1	0	50	0	400	7	14	16	37	

Note: Token quantities will be added for Reset Existing Granite Curb and Aggregate Base Course in case granite curbing is encountered.

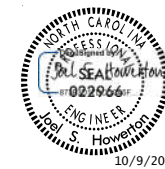


- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



PAY LIMITS FOR 1 CURB RAMP

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



10/9/2019

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

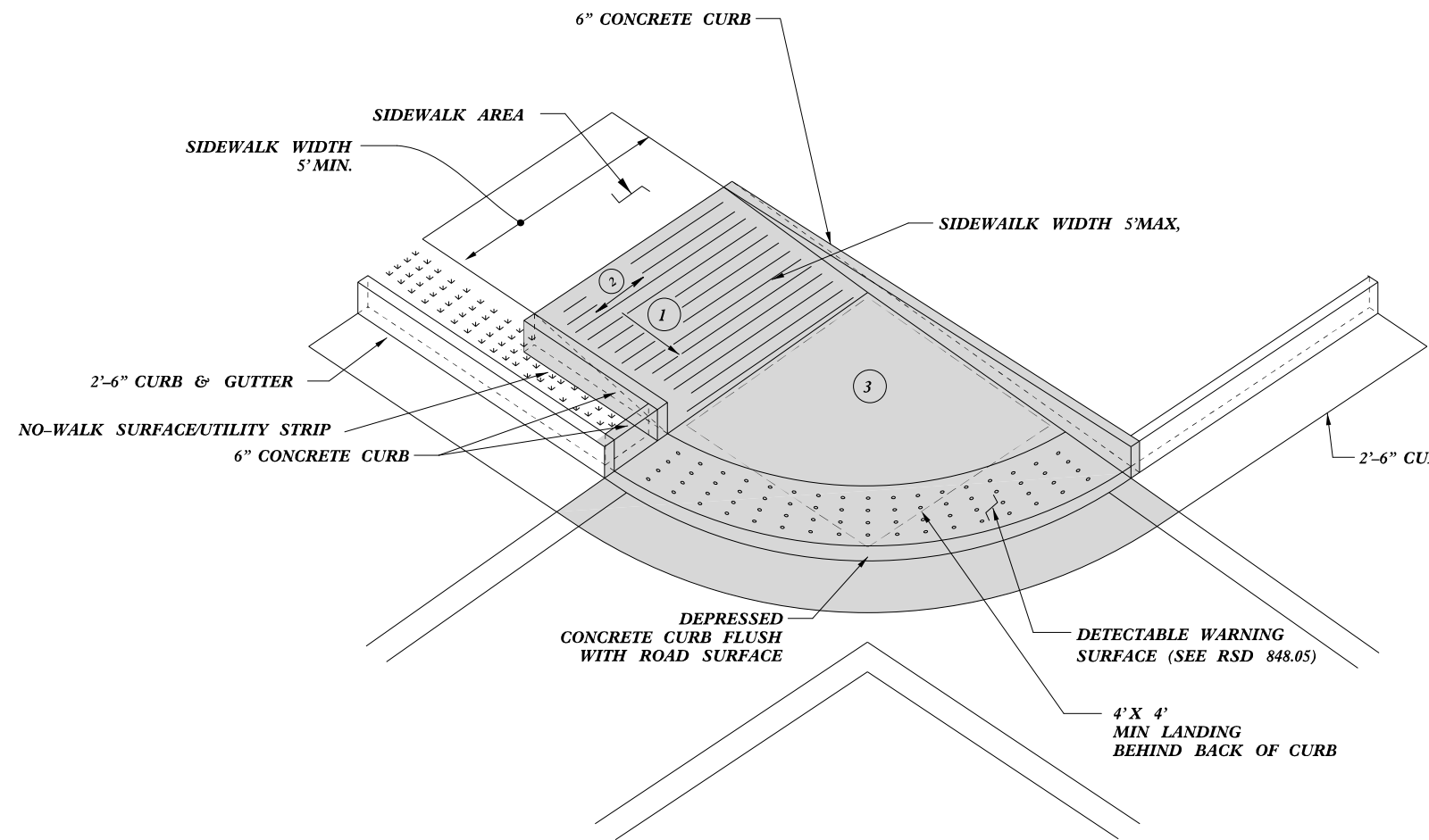
CONTRACT STANDARDS AND DEVELOPMENT UNIT
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS
Directional Ramps

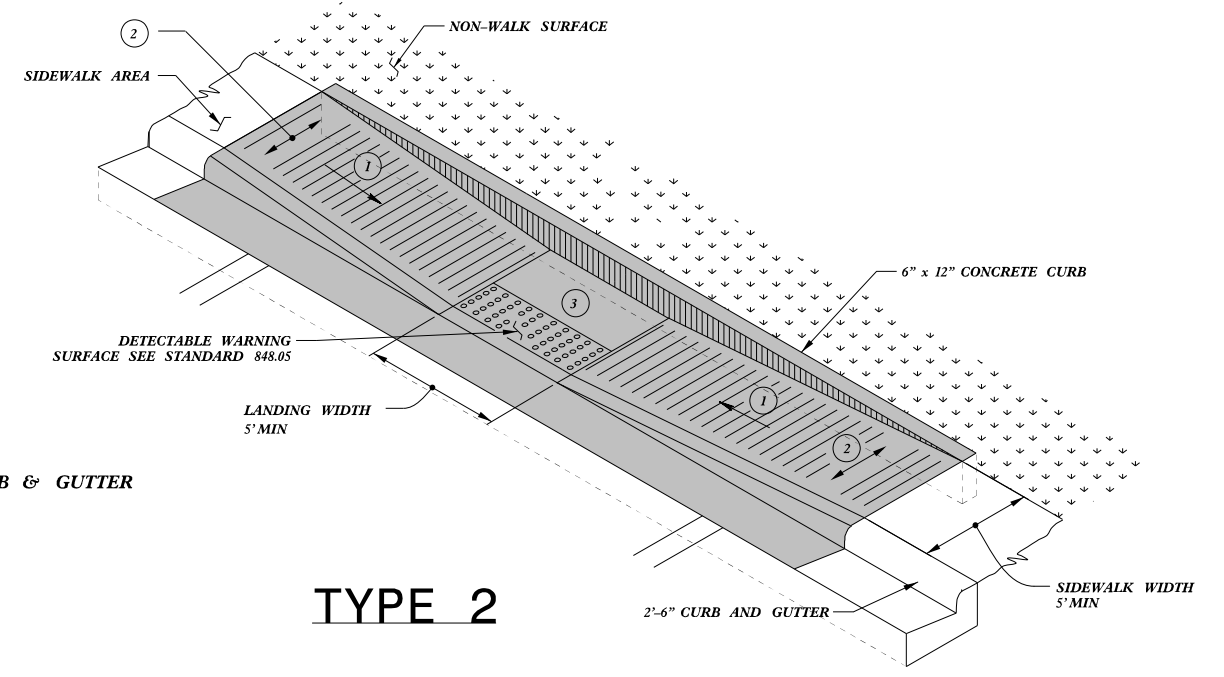
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MODIFIED BY: _____ DATE: _____
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DATE PLOTTED: 10/9/2019 10:00:00 AM

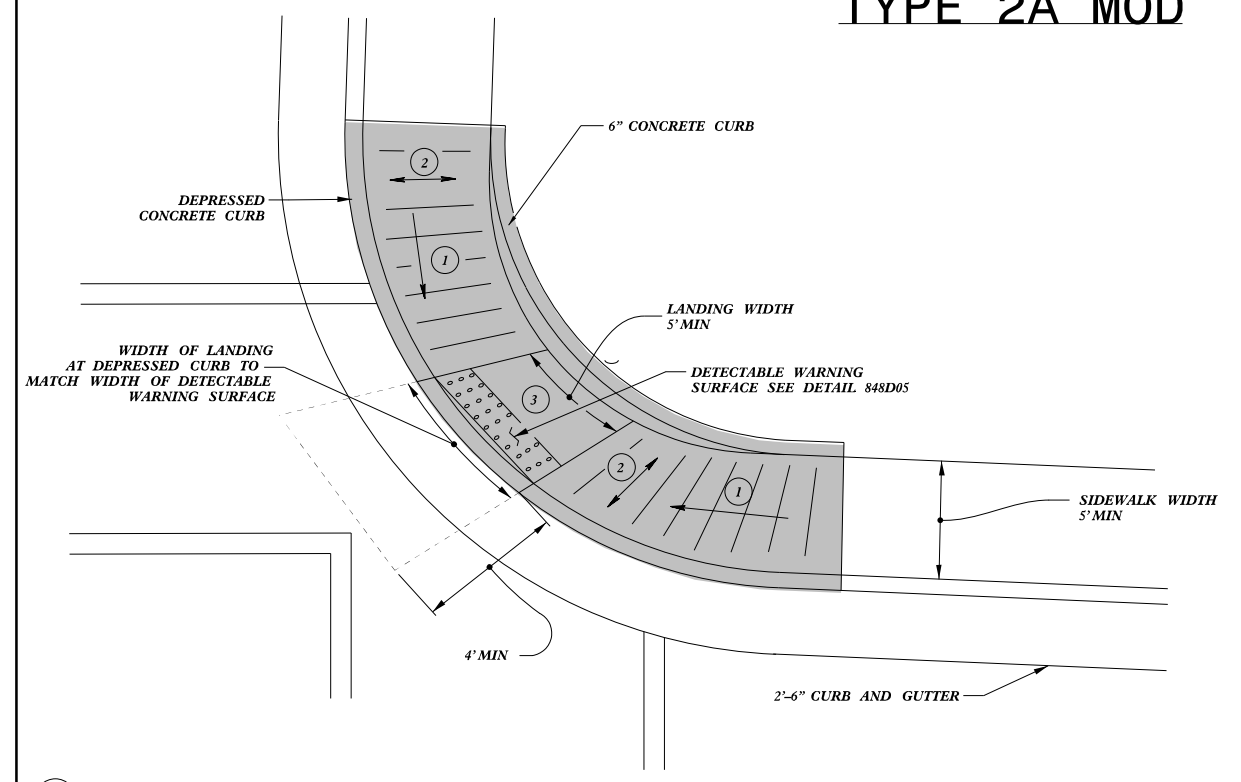
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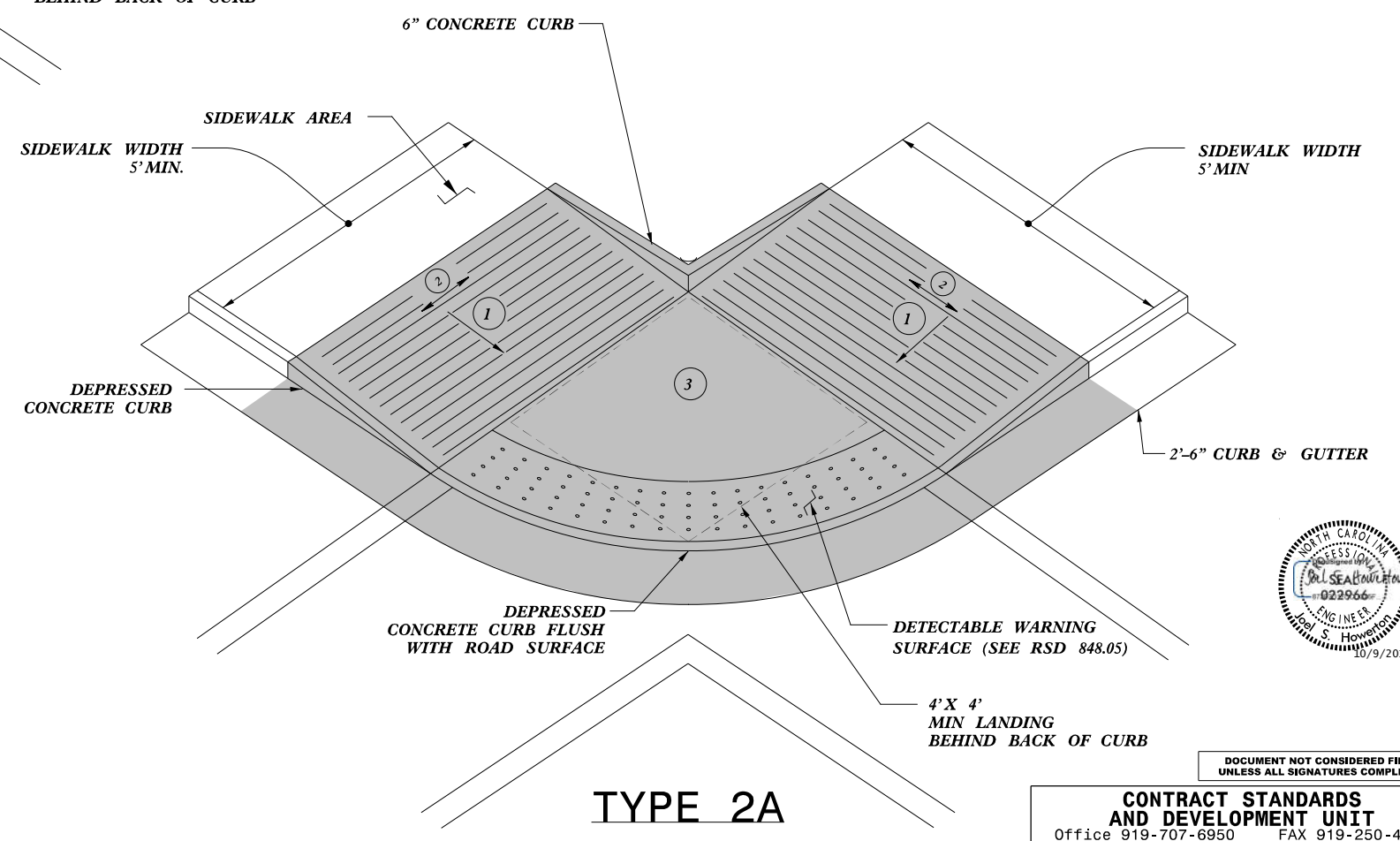
TYPE 2A MOD



TYPE 2



TYPE 2B



TYPE 2A

- 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.

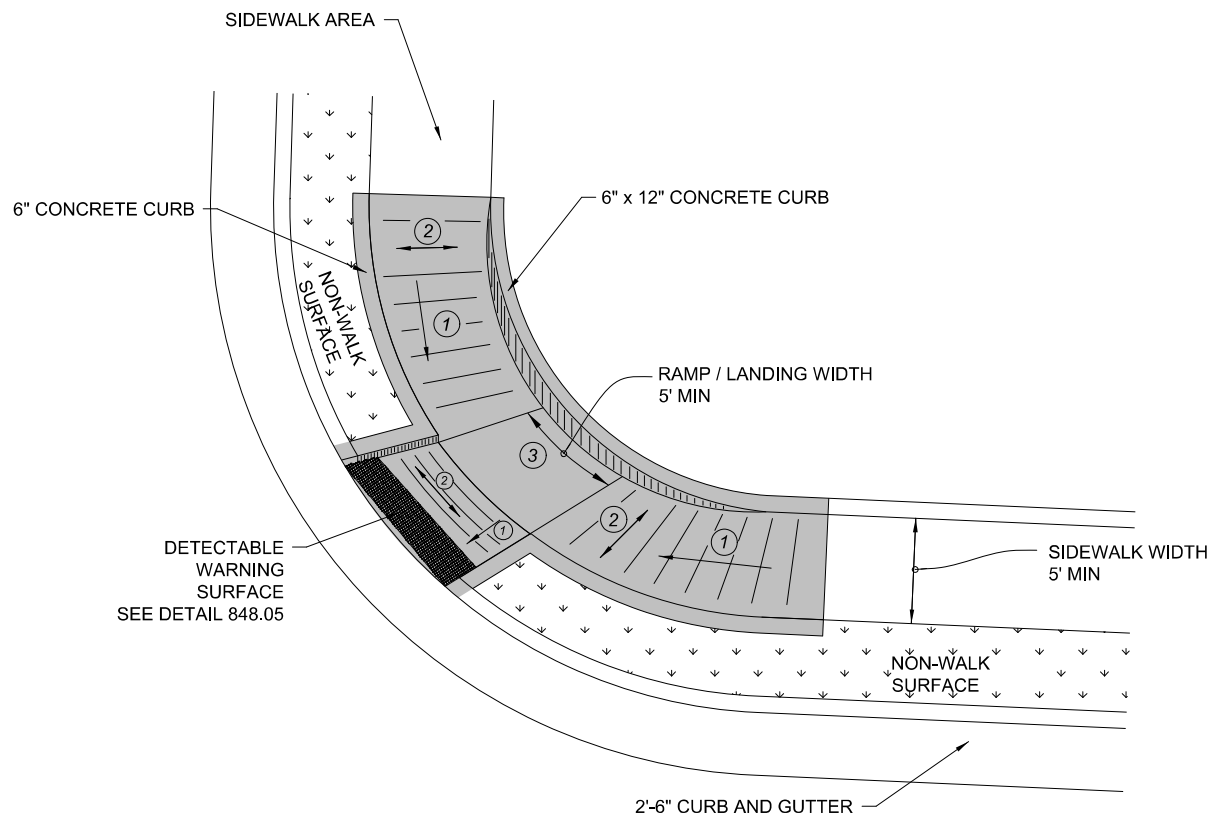
PAY LIMITS FOR 1 CURB RAMP



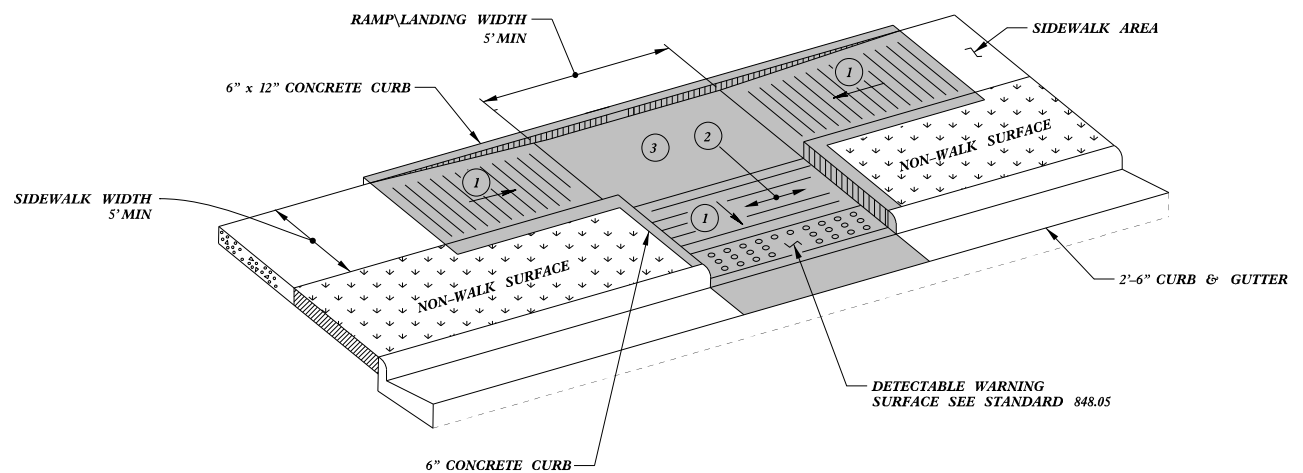
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

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.



10/9/2019

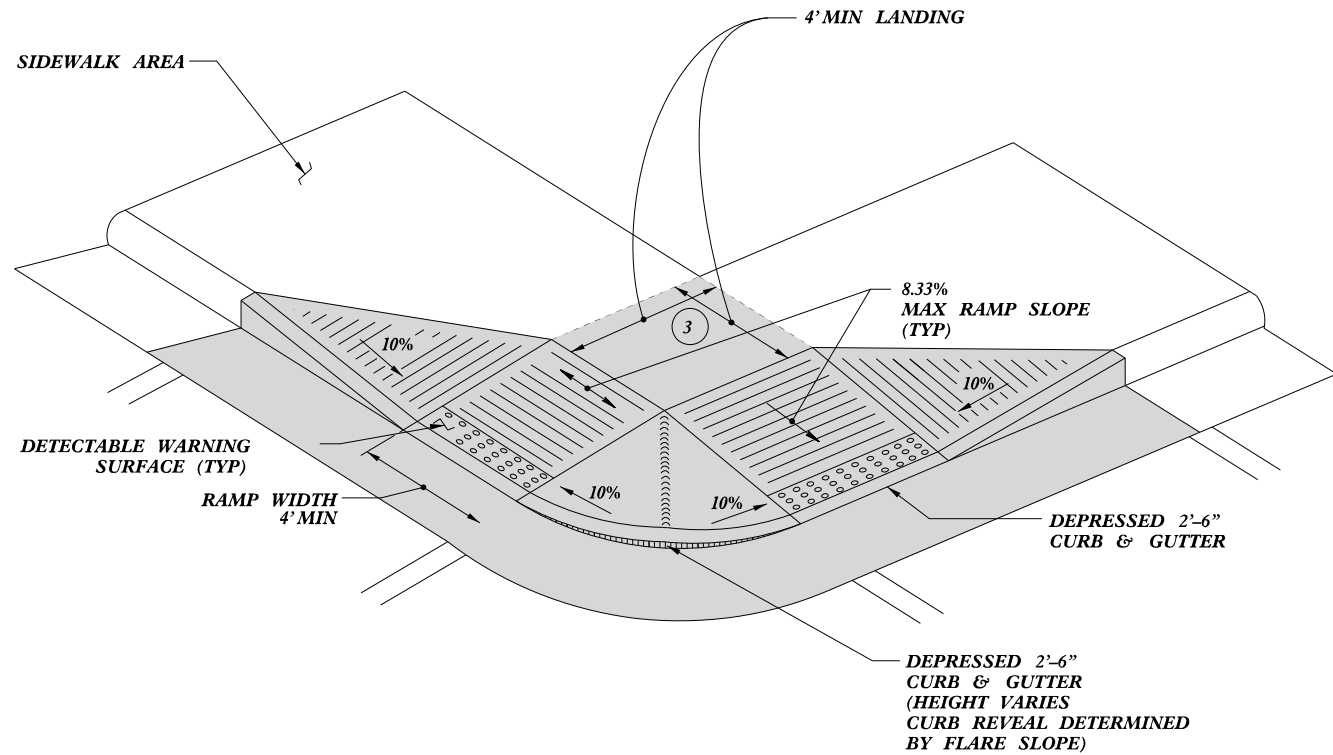
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

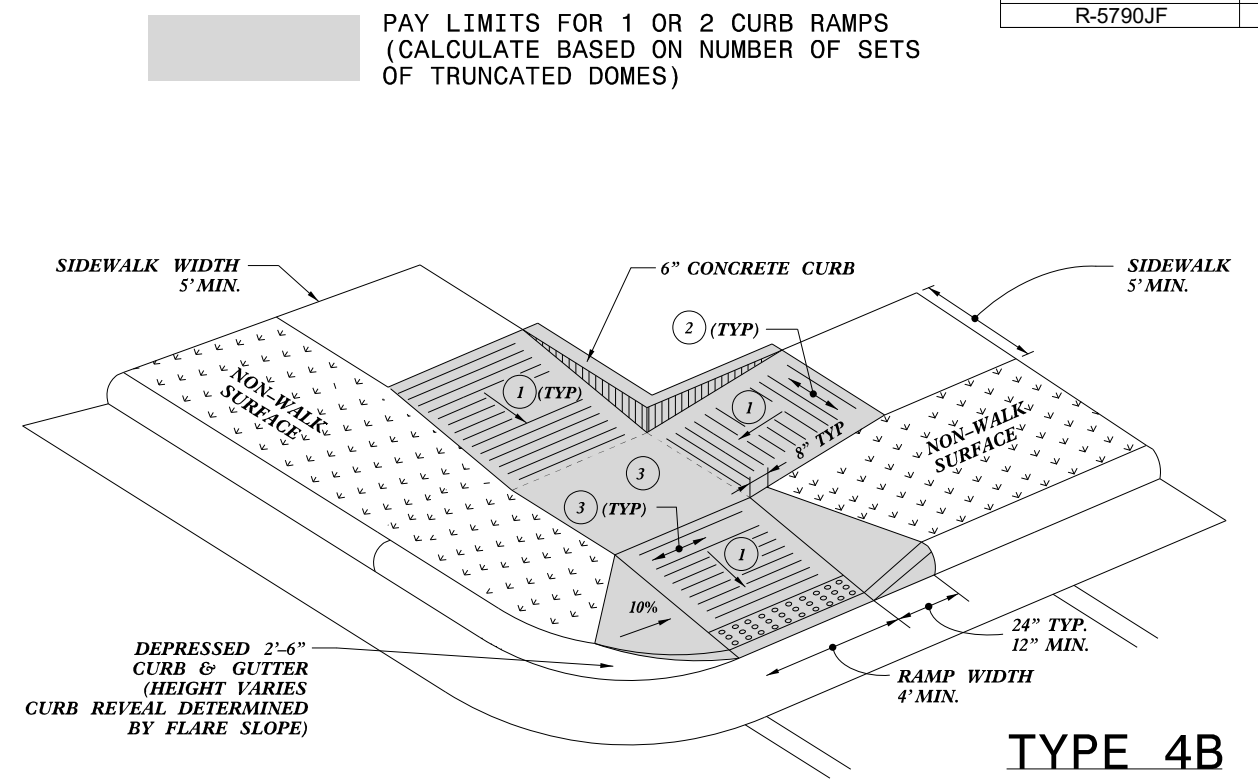
CURB RAMPS

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
 MODIFIED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
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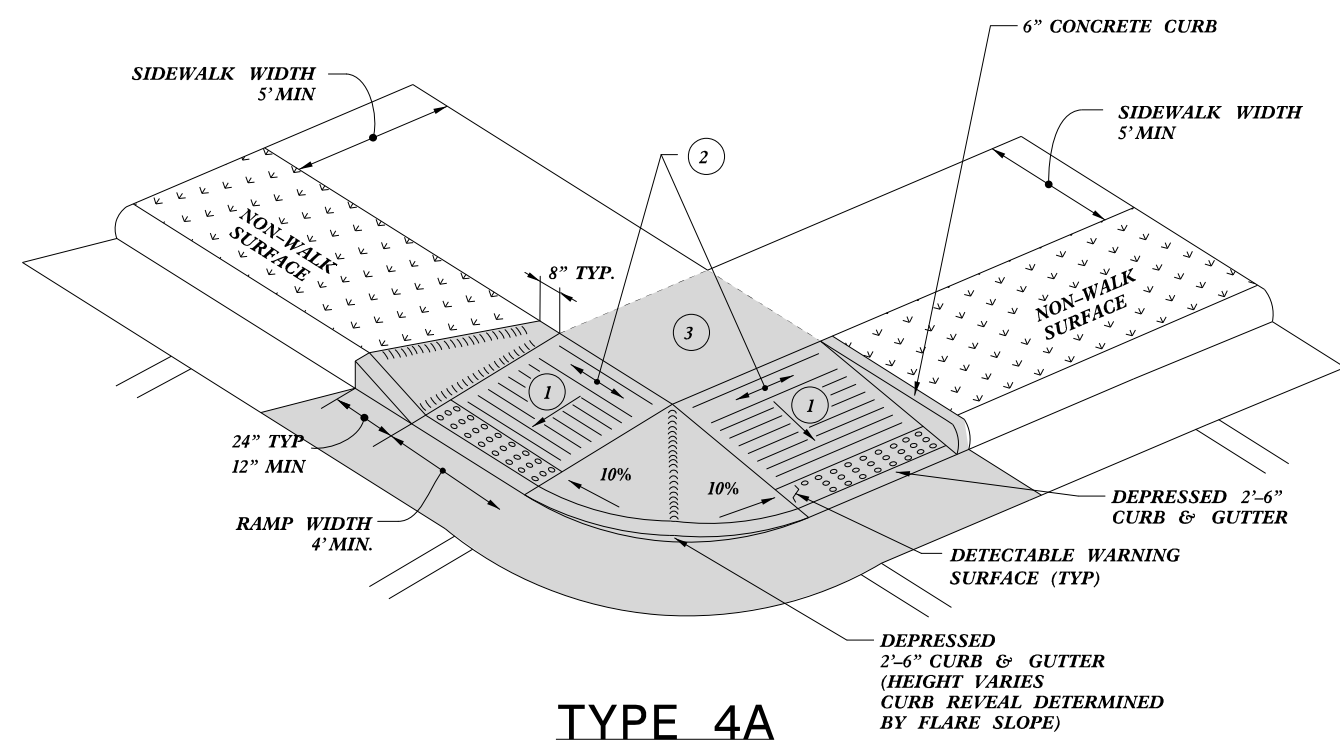
5/14/99



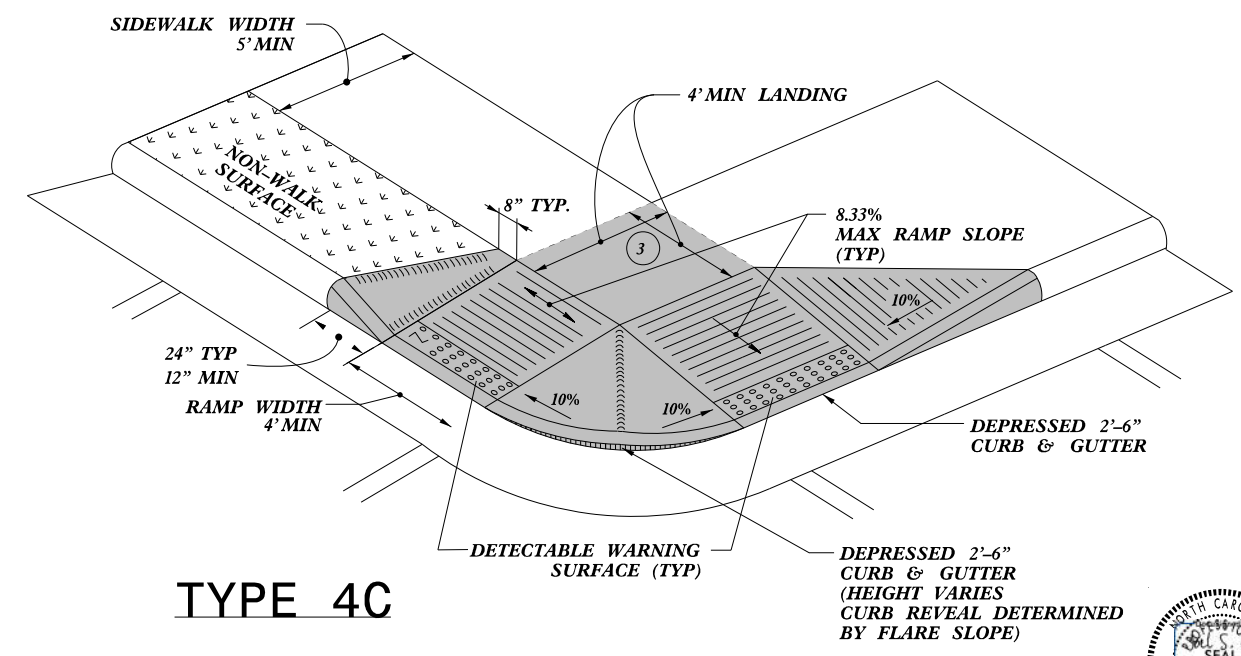
TYPE 4



TYPE 4B

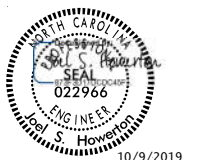


TYPE 4A



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.



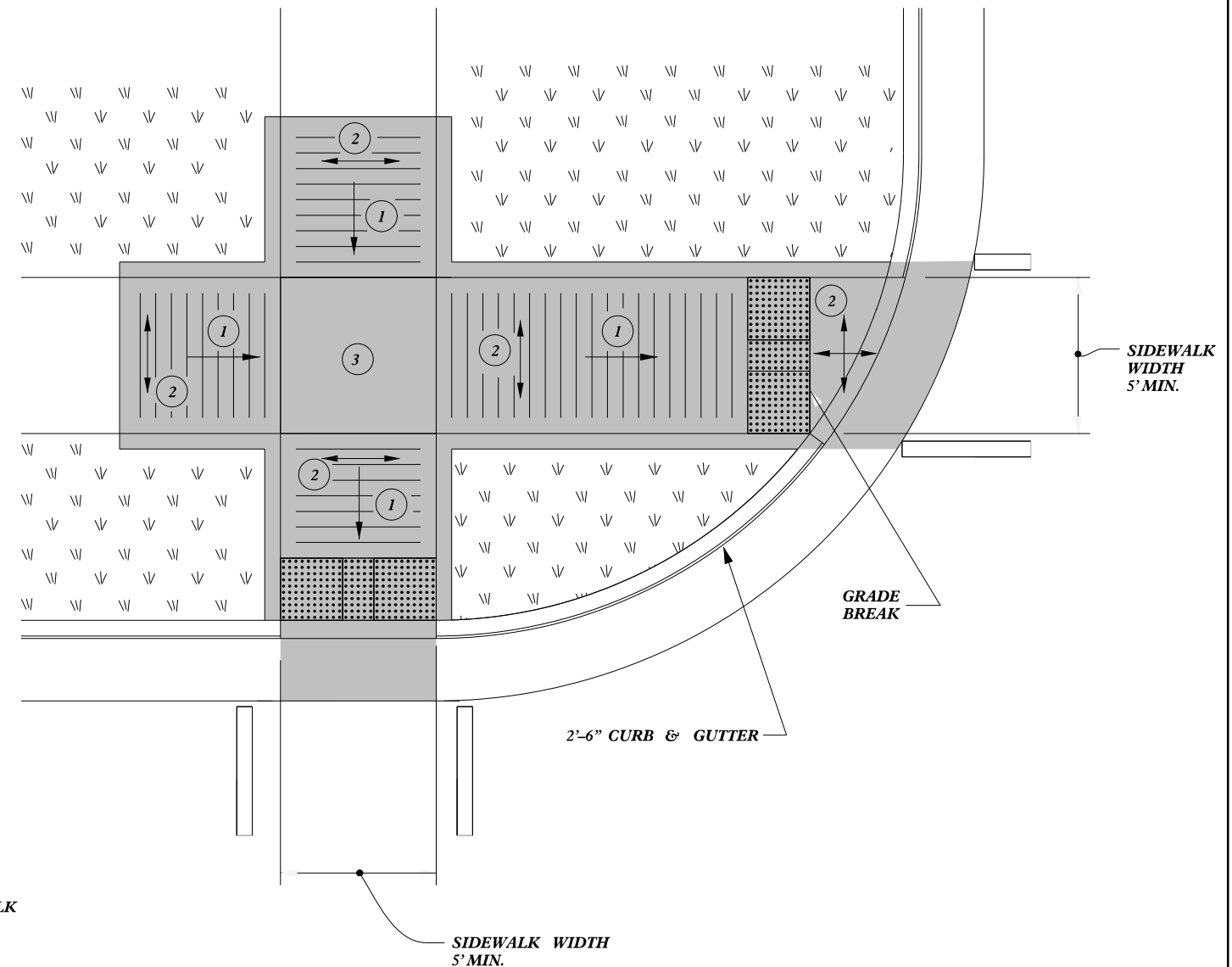
10/9/2019

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	

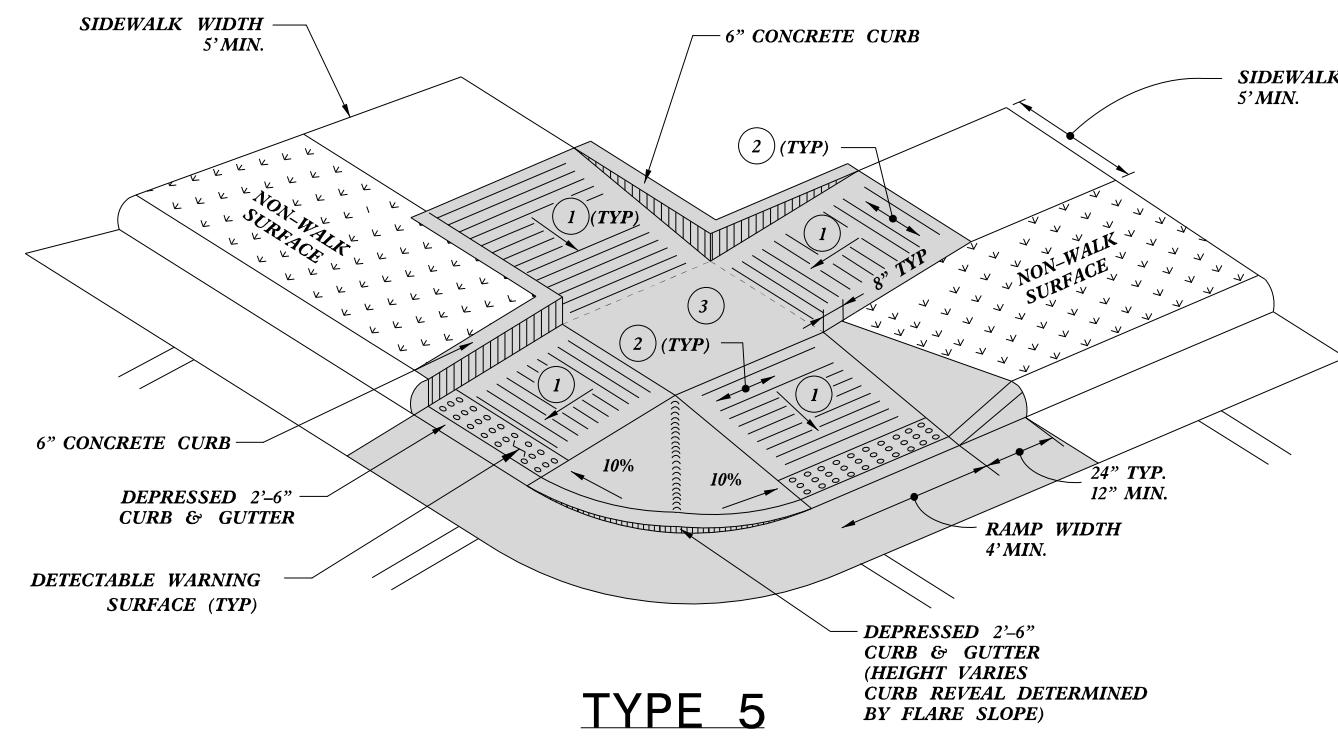
REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

5/14/1999
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PAY LIMITS FOR 1 OR 2 CURB RAMPS
(CALCULATE BASED ON NUMBER OF SETS
OF TRUNCATED DOMES)

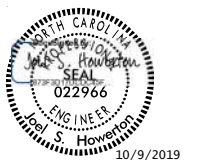


TYPE 5A



TYPE 5

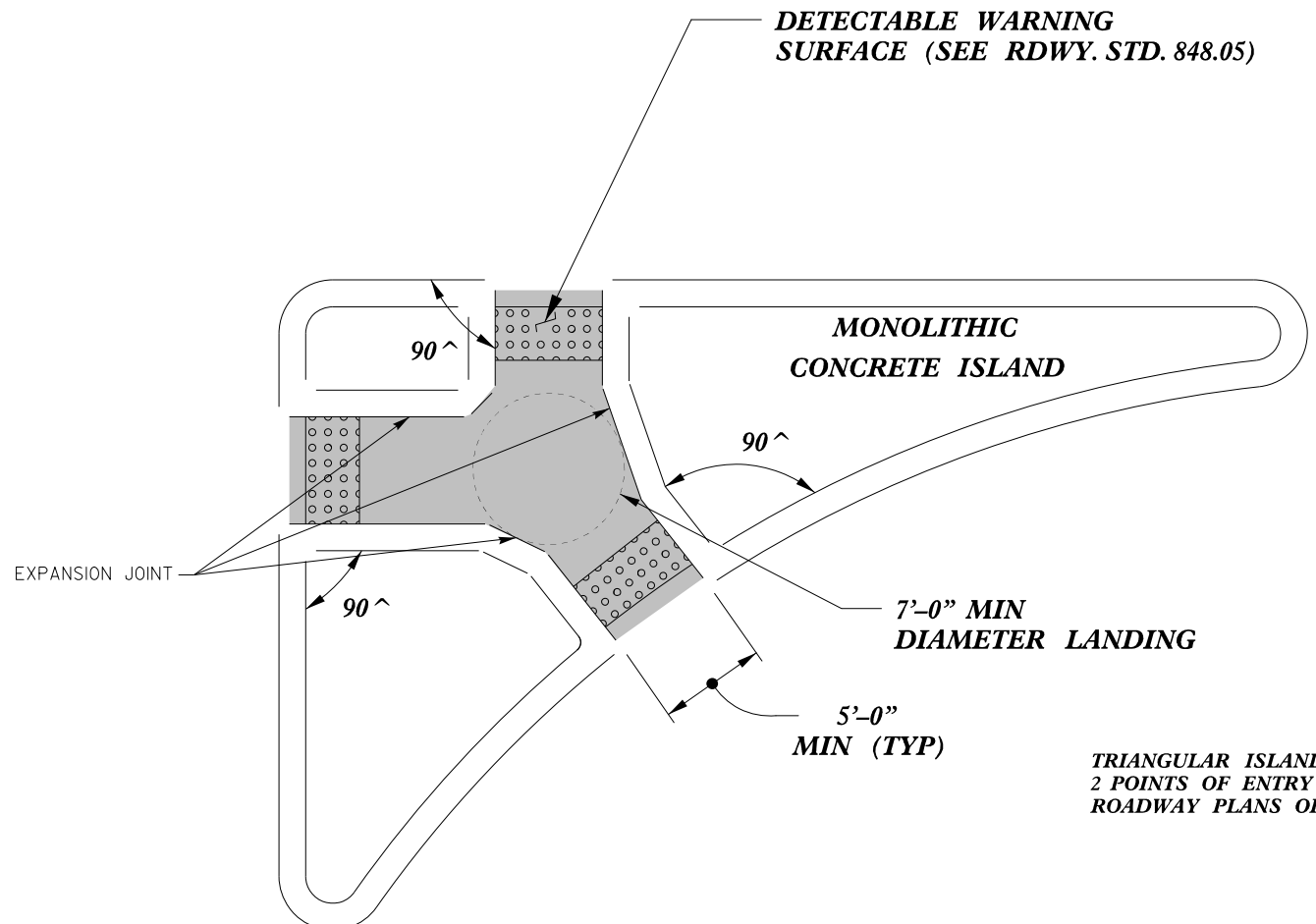
- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
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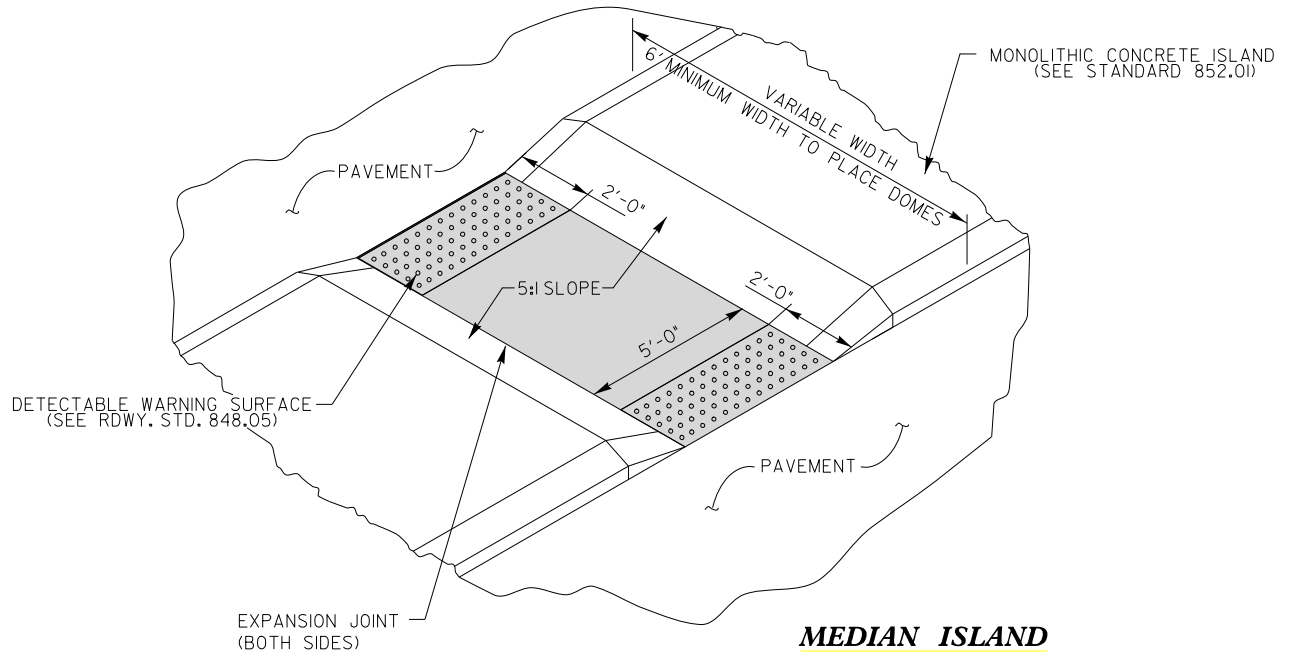
REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

5/14/1999
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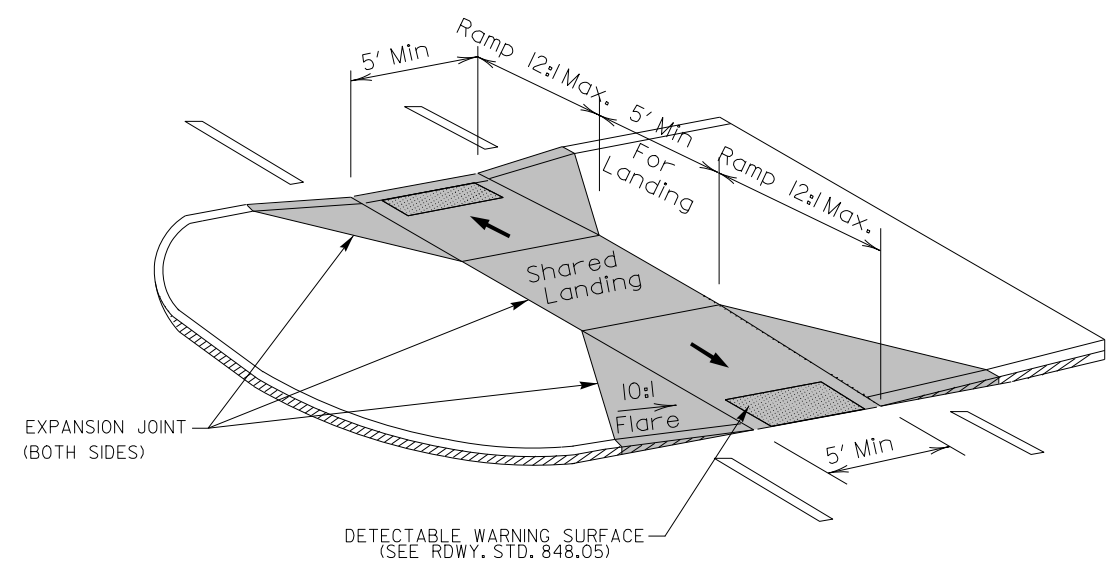


PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF SETS OF TRUNCATED DOMES)

TRIANGULAR ISLAND WITH CUT THROUGH
TYPE 6



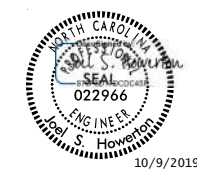
MEDIAN ISLAND WITH CUT THROUGH
TYPE 7



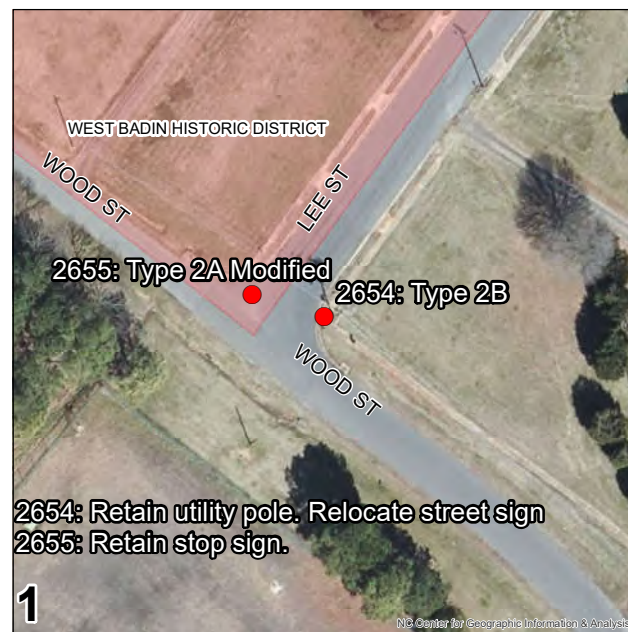
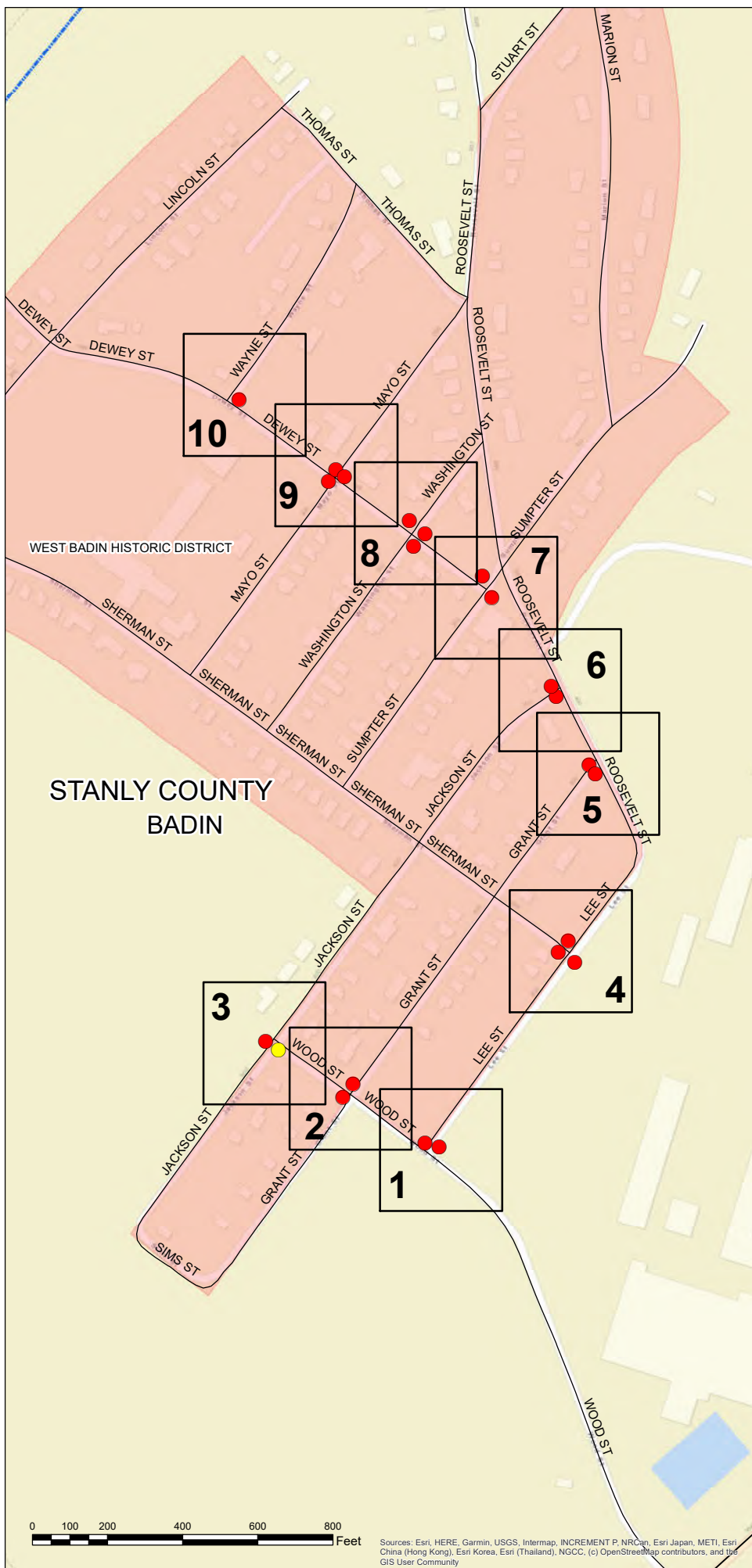
MEDIAN ISLAND CURB RAMPS
TYPE 8

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	




5/14/99
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LEGEND

- MISSING
- NOT COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

0 20 40 60 80 100 Feet

 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

RAMEY KEMP & ASSOCIATES

DIVISION 10 INTERSECTION
ADA IMPROVEMENTS
ANSON, CABARRUS, AND STANLY
COUNTIES
STIP PROJECT R-5790JF

SHEET 1-1




LEGEND

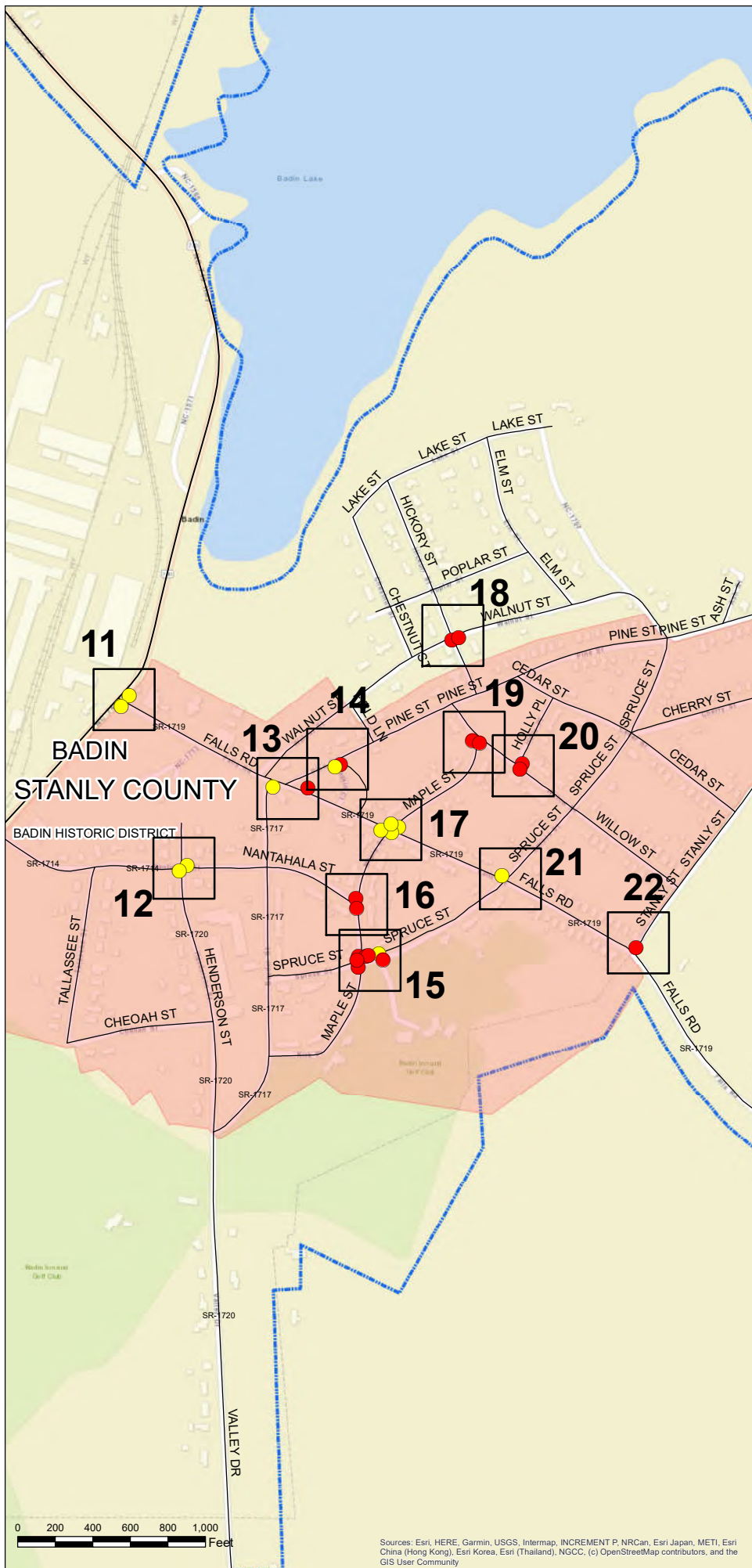
ADA RAMP IMPROVEMENT LOCATION

- MISSING
- NOT COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

0 20 40 60 80 100 Feet

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	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
	RAMEY KEMP & ASSOCIATES
DIVISION 10 INTERSECTION ADA IMPROVEMENTS ANSON, CABARRUS, AND STANLY COUNTIES STIP PROJECT R-5790JF	
SHEET 1-2	



LEGEND

- MISSING
- NOT COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

0 20 40 60 80 100 Feet

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

RAMEY KEMP & ASSOCIATES

DIVISION 10 INTERSECTION ADA IMPROVEMENTS
ANSON, CABARRUS, AND STANLY COUNTIES
STIP PROJECT R-5790JF

SHEET 2-1




LEGEND

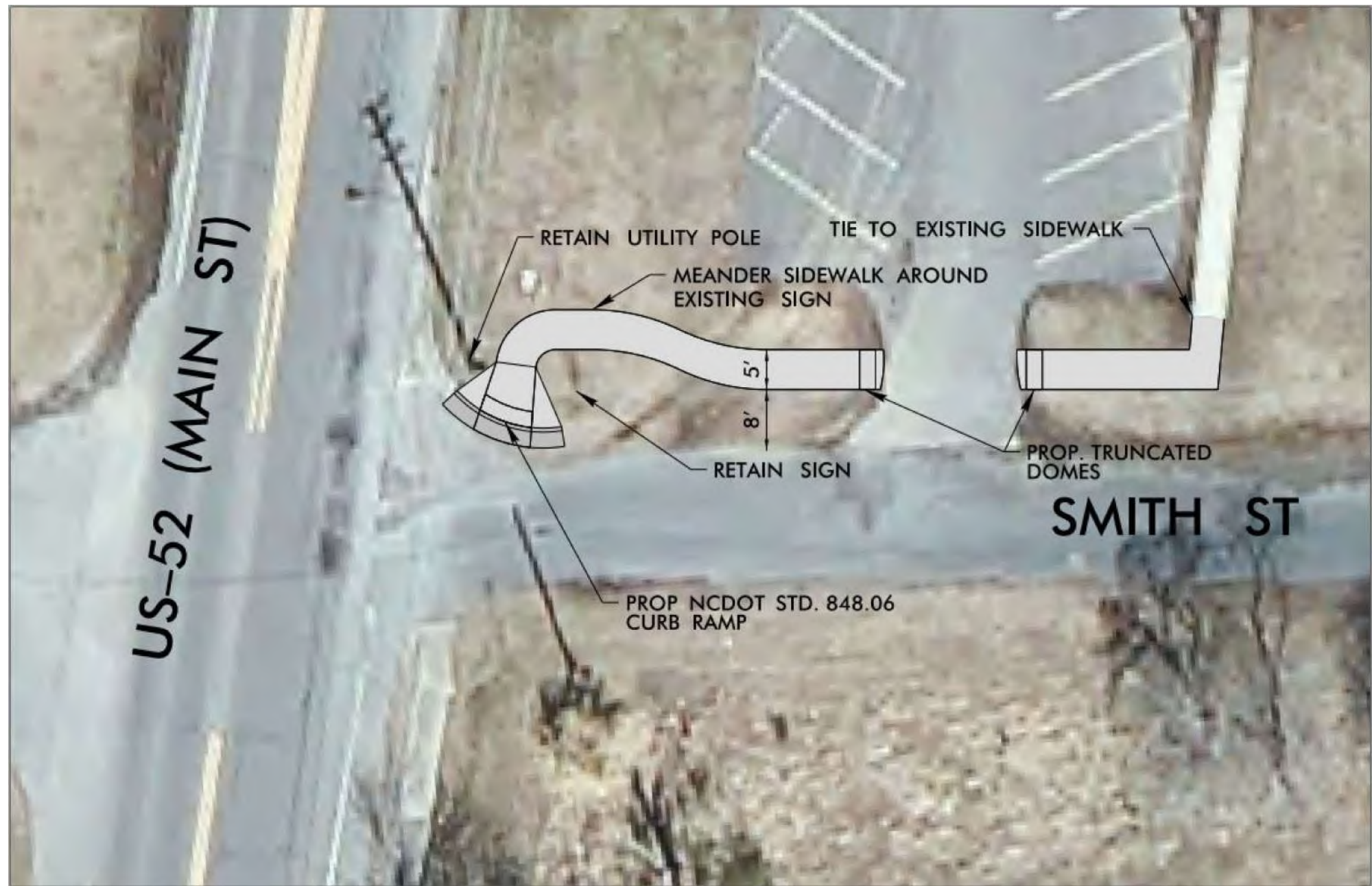
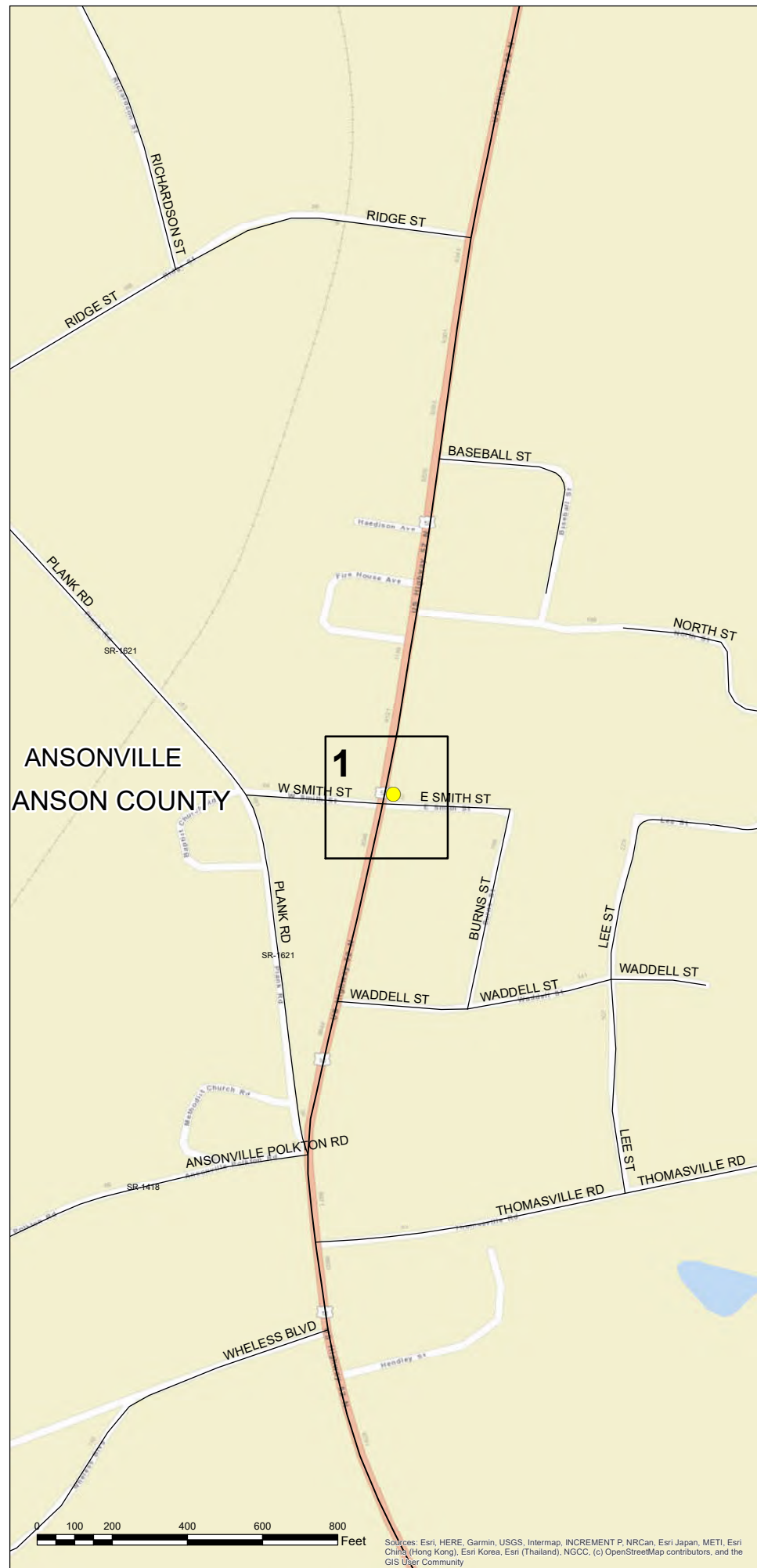
ADA RAMP IMPROVEMENT LOCATION

- MISSING
- NOT COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

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0 20 40 60 80 100 Feet


	<p>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS</p>
	<p>RAMEY KEMP & ASSOCIATES</p>
<p>DIVISION 10 INTERSECTION ADA IMPROVEMENTS ANSON, CABARRUS, AND STANLY COUNTIES STIP PROJECT R-5790JF</p>	
<p>SHEET 2-2</p>	



LEGEND

ADA RAMP IMPROVEMENT LOCATION

- MISSING
- NOT COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

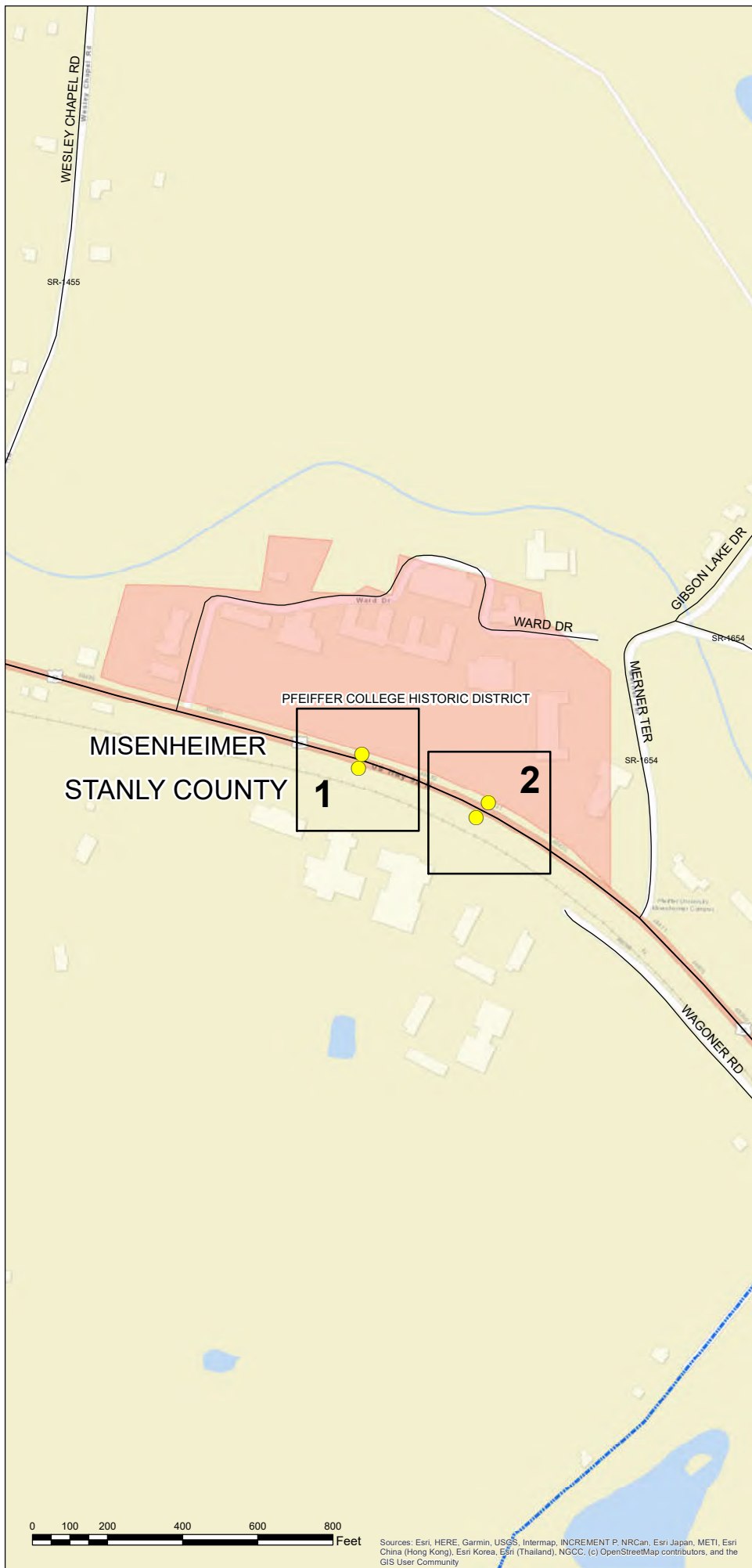


NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

RAMEY KEMP & ASSOCIATES

**DIVISION 10 INTERSECTION
ADA IMPROVEMENTS
ANSON, CABARRUS, AND STANLY
COUNTIES
STIP PROJECT R-5790JF**

SHEET 3




LEGEND

ADA RAMP IMPROVEMENT LOCATION

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- NOT COMPLIANT
- MUNICIPAL BOUNDARY
- NCHPO HISTORIC PROPERTY OR DISTRICT

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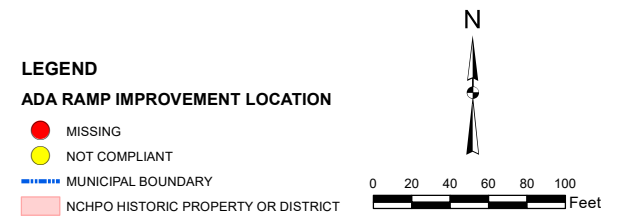
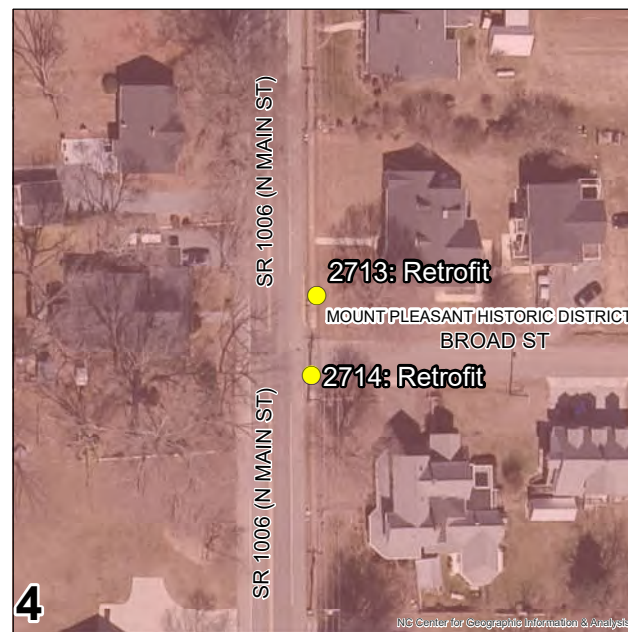
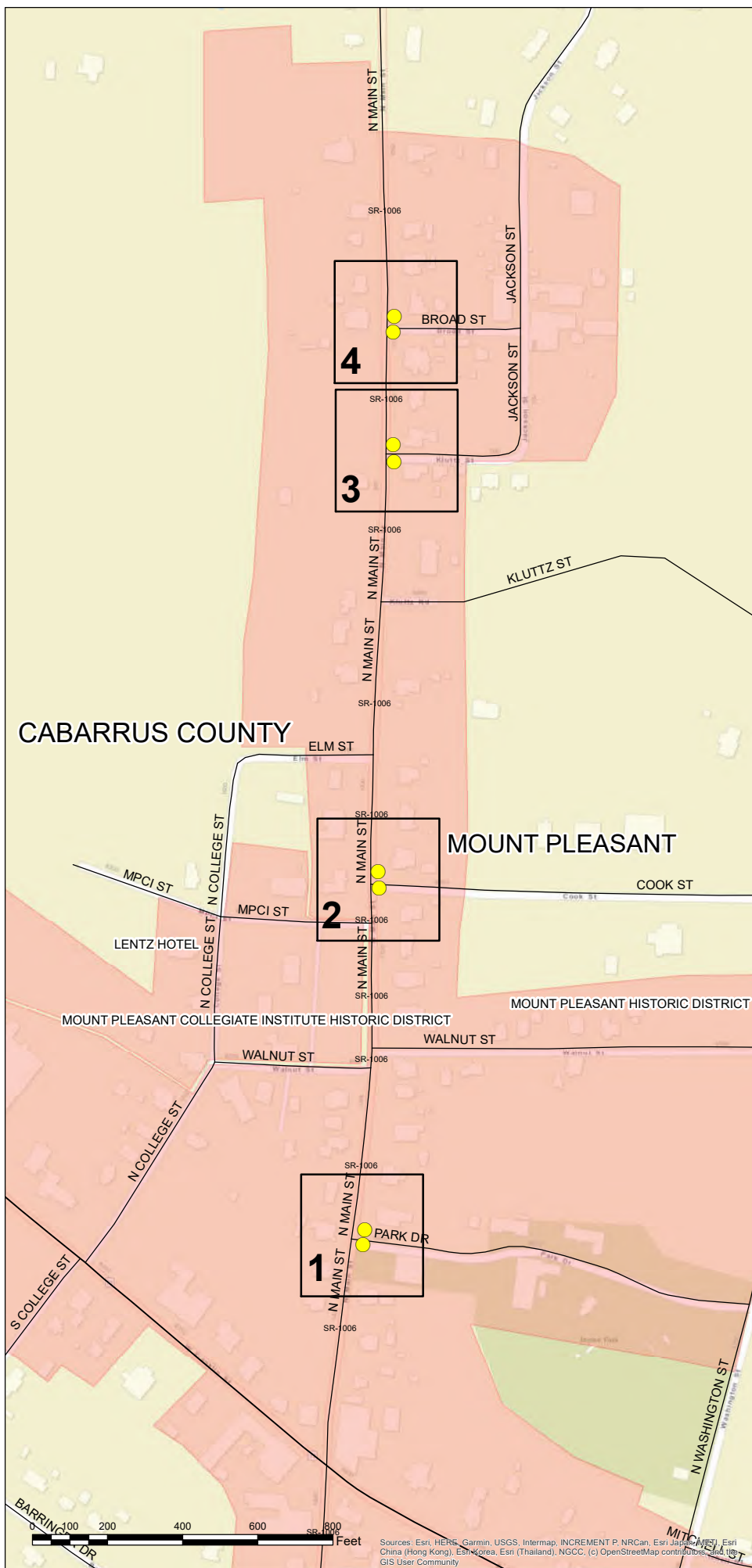
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 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

RAMEY KEMP & ASSOCIATES

DIVISION 10 INTERSECTION
ADA IMPROVEMENTS
ANSON, CABARRUS, AND STANLY
COUNTIES
STIP PROJECT R-5790JF

SHEET 4




NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
 RAMEY KEMP & ASSOCIATES
DIVISION 10 INTERSECTION ADA IMPROVEMENTS
ANSON, CABARRUS, AND STANLY COUNTIES
STIP PROJECT R-5790JF

SHEET 5