

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
HIGHWAY DIVISION 6

**PLANS**  
**9-8-16**

**CONTRACT ID: DF00137**

**WBS ELEMENT NO.: 44916.3.2 & 44916.3.3**

**FEDERAL AID NO.: TAP-0620(035) & TAP-0620(036)**

**COUNTY: BLADEN, COLUMBUS & ROBESON**

**TIP NO.: R-5786A**

**LENGTH OF PROJECT: VARIOUS**

**ROUTE NO.: VARIOUS**

**LOCATION: VARIOUS**

**TYPE OF WORK: CURB RAMP INSTALLATIONS**

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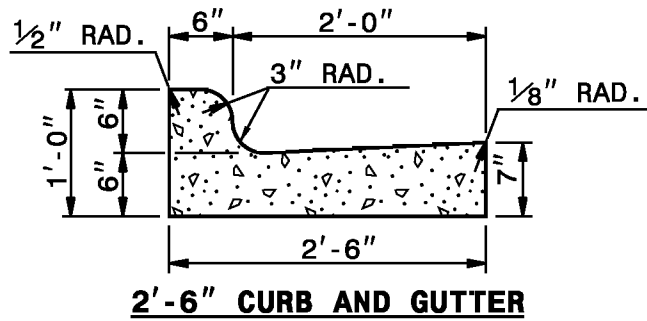
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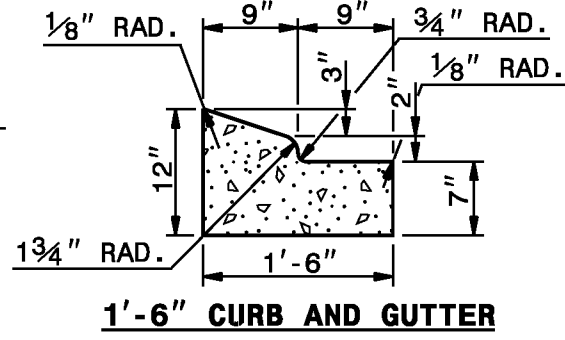
**SUMMARY OF QUANTITIES - BLADEN, COLUMBUS & ROBESON CO.**

PROJECT NO	COUNTY	MUNICIPALITY	MAJOR ROUTE	MINOR ROUTE	0000100000-N	2549000000-E	2591000000-E	2600000000-N	2605000000-N	2800000000-N	2815000000-N
					Mobilization LS	2'-6" Concrete Curb & Gutter LF	4" Concrete Sidewalk SY	Retrofit Existing Curb Ramp EA	Concrete Curb Ramp EA	Adjustments of Catch Basins EA	Adjustments of Drop Inlets EA
44916.3.2	Columbus	Whiteville	US 701 Business	East Main Street	1	20	20		4	3	1
44916.3.2	Columbus	Whiteville	US 701 Business	West Main Street		20	20		4		
44916.3.2	Columbus	Whiteville	SR 1916 (Lee Street)	East Main Street		10	10		2		
44916.3.2	Columbus	Whiteville	SR 1916 (Lee Street)	West Main Street		10	10		2	1	
44916.3.2	Columbus	Whiteville	SR 1916 (Lee Street)	Williamson Street		20	20		4		
44916.3.2	Columbus	Whiteville	SR 1916 (Lee Street)	College Street		20	20		4		
44916.3.2	Columbus	Whiteville	SR 1916 (Lee Street)	Whiteville High School		20	20		4		
44916.3.2	Columbus	Whiteville	SR 1916 (Lee Street)	Wyche Street		20	20		4	1	1
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Commerce Street		5	5		1		
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Mill Street		10	10		2		
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	West Main Street		20	20		4		
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	East Main Street		20	20		4		
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Walter Street		20	20		4		3
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Virgil Street		20	20		4		2
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Columbus Street		20	20		4		
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Webster Street		20	20		4		1
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Clay Street		20	20		4		
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Lewis Street		20	20		4		3
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Calhoun Street		20	20		4		
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Williamson Street		15	15		3		
44916.3.2	Columbus	Whiteville	SR 1953 (Franklin St.)	Church Street		10	10		2		
<b>TOTAL FOR WBS NO. 44916.3.2</b>					<b>1</b>	<b>360</b>	<b>360</b>	<b>0</b>	<b>72</b>	<b>5</b>	<b>11</b>
44916.3.3	Bladen	Clarkton	US 701 Bus.	NC 211		20	20		4		
44916.3.3	Bladen	Clarkton	US 701 Bus.	South Railroad Street		15	15		3		
44916.3.3	Bladen	Clarkton	US 701 Bus.	North Railroad Street		10	10		2		
44916.3.3	Bladen	Clarkton	US 701 Bus.	Church Street		10	10		2		
44916.3.3	Bladen	Clarkton	US 701 Bus.	Currie Street		10	10		2		
44916.3.3	Bladen	Clarkton	US 701 Bus.	Graham Street		10	10		2		
44916.3.3	Bladen	Clarkton	US 701 Bus.	Clarkton School South		10	10		2		
44916.3.3	Bladen	Clarkton	US 701 Bus.	Clarkton School North		10	10		2		
44916.3.3	Bladen	Clarkton	NC 211	Elm Street		5	5		1		
44916.3.3	Bladen	Clarkton	NC 211	Davis Street		5	5		1		
<b>SUBTOTAL</b>						<b>105</b>	<b>105</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>
44916.3.3	Columbus	Fair Bluff	US 76	NC 904 (Conway Rd.)		10	10		2		
44916.3.3	Columbus	Fair Bluff	US 76	NC 904 (River Bridge)		10	10		2		
<b>SUBTOTAL</b>						<b>20</b>	<b>20</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>
44916.3.3	Columbus	Tabor City	US 701 Bus.	NC 904/SR 1300		25	25		5	3	1
<b>SUBTOTAL</b>						<b>25</b>	<b>25</b>	<b>0</b>	<b>5</b>	<b>3</b>	<b>1</b>

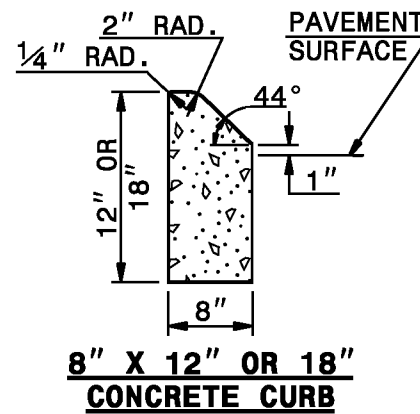
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PROJECT	COUNTY	MUNICIPALITY	MAJOR ROUTE	MINOR ROUTE	Mobilization	2'-6" Concrete Curb & Gutter	4" Concrete Sidewalk	Retrofit Existing Curb Ramp	Concrete Curb Ramp	Adjustments of Catch Basins	Adjustments of Drop Inlets
44916.3.3	Robeson	Fairmont	SR 2238	Red Cross St.		20	20	0	4		
44916.3.3	Robeson	Fairmont	SR 2238	Sandy St.		20	20	0	4		
44916.3.3	Robeson	Fairmont	SR 2238	Center St.		10	10	0	2		
<b>SUBTOTAL</b>						<b>50</b>	<b>50</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>
44916.3.3	Robeson	Maxton	US 74 Bus.	NC 130		30	30	0	6		
44916.3.3	Robeson	Maxton	US 74 Bus.	4th St./N. Hooper		20	20	0	4		
<b>SUBTOTAL</b>						<b>50</b>	<b>50</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>
44916.3.3	Robeson	Pembroke	NC 711	Main St.		10	10	0	2		
44916.3.3	Robeson	Pembroke	SR 1561	Dogwood Ln.		0	0	1	0		
<b>SUBTOTAL</b>						<b>10</b>	<b>10</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>
44916.3.3	Robeson	Red Springs	SR 1776	Cross St.		20	20	0	4		
44916.3.3	Robeson	Red Springs	NC 211	Peachtree St.		10	10	0	2		
<b>SUBTOTAL</b>						<b>30</b>	<b>30</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>
44916.3.3	Robeson	Rowland	US 501/NC 130	Webster St.		20	20	0	4		
44916.3.3	Robeson	Rowland	US 501/NC 130	SR 1185		20	20	0	4		
44916.3.3	Robeson	Rowland	US 501/NC 130	SR 1141		20	20	0	4		
<b>SUBTOTAL</b>						<b>60</b>	<b>60</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>
44916.3.3	Robeson	St. Pauls	US 301	W. Armfield		20	20	0	4		
44916.3.3	Robeson	St. Pauls	SR 1741	W. Armfield		10	10	0	2		
<b>SUBTOTAL</b>						<b>30</b>	<b>30</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>
<b>TOTAL FOR WBS NO. 44916.3.3</b>						<b>380</b>	<b>380</b>	<b>1</b>	<b>76</b>	<b>3</b>	<b>1</b>
<b>GRAND TOTAL</b>					<b>1</b>	<b>740</b>	<b>740</b>	<b>1</b>	<b>148</b>	<b>8</b>	<b>12</b>



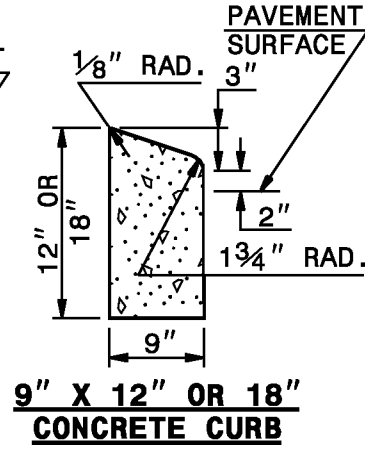
**2'-6" CURB AND GUTTER**



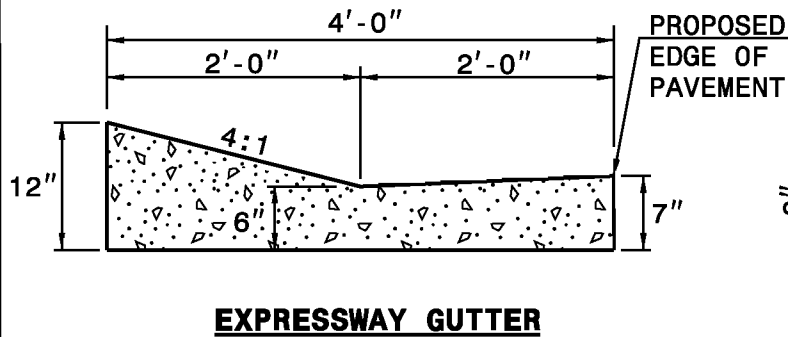
**1'-6" CURB AND GUTTER**



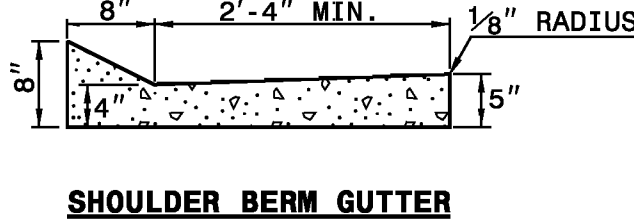
**8" X 12" OR 18" CONCRETE CURB**



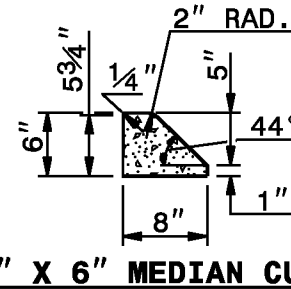
**9" X 12" OR 18" CONCRETE CURB**



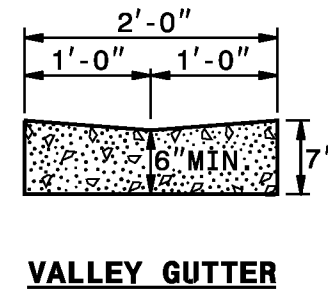
**EXPRESSWAY GUTTER**



**SHOULDER BERM GUTTER**



**8" X 6" MEDIAN CURB**

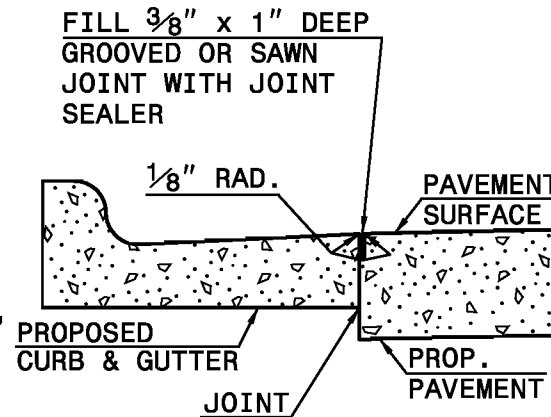


**VALLEY GUTTER**

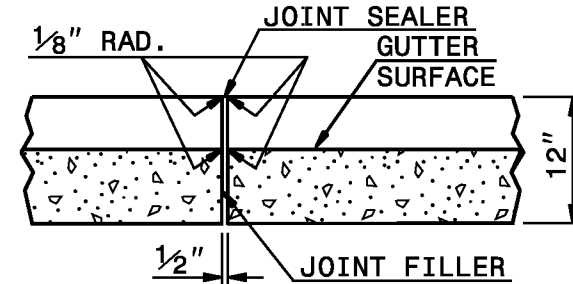
**SECTION VIEW OF CURBS OR CURBS AND GUTTERS**

**GENERAL NOTES:**

- PLACE CONTRACTION JOINTS AT 10' INTERVALS, EXCEPT THAT A 15' SPACING MAY BE USED WHEN A MACHINE IS USED OR WHEN SATISFACTORY SUPPORT FOR THE FACE FORM CAN BE OBTAINED WITHOUT THE USE OF TEMPLATES AT 10' INTERVALS.
- JOINT SPACING MAY BE ALTERED IF REQUIRED BY THE ENGINEER.
- CONTRACTION JOINTS MAY BE INSTALLED WITH THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS.
- CONSTRUCT NON-TEMPLATE FORMED JOINTS A MIN. OF 1 1/2" DEEP.
- FILL ALL CONSTRUCTION JOINTS, EXCEPT IN 8"x6" MEDIAN CURB, WITH JOINT FILLER AND SEALER.
- SPACE EXPANSION JOINTS AT 90' INTERVALS AND ADJACENT TO ALL RIGID OBJECTS.



**LONGITUDINAL JOINT**

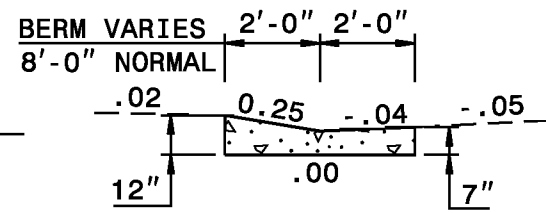
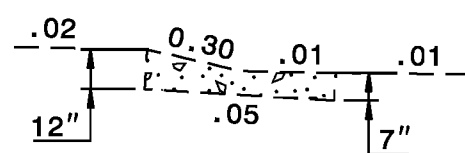
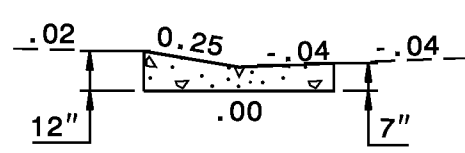
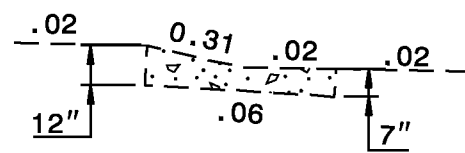
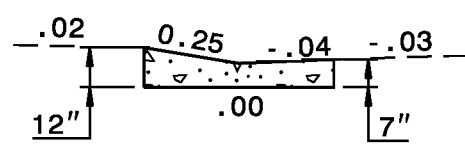
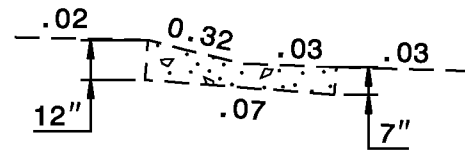
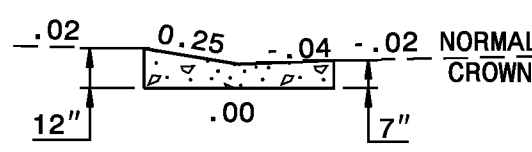
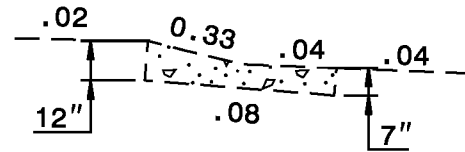
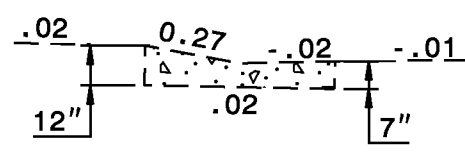
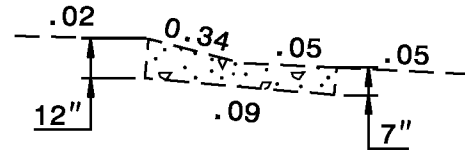
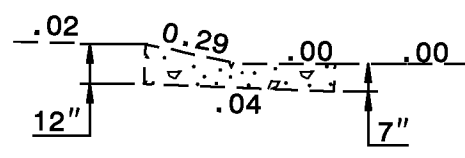
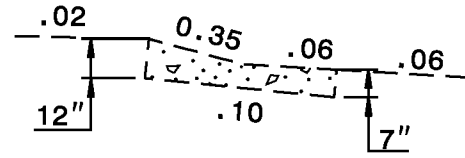


**TRANSVERSE EXPANSION JOINT IN CURB AND GUTTER**

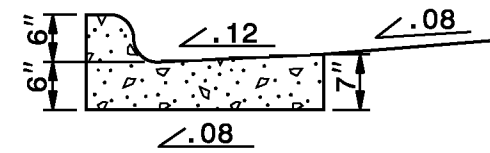
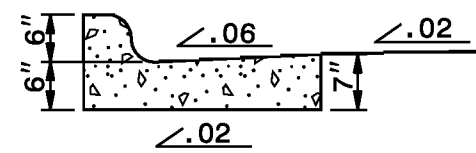
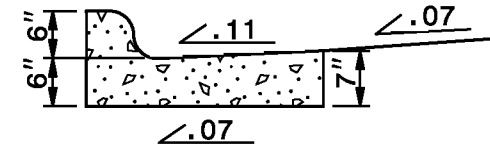
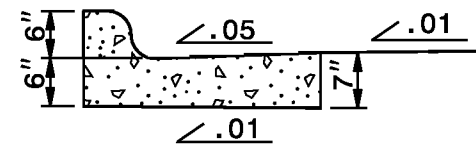
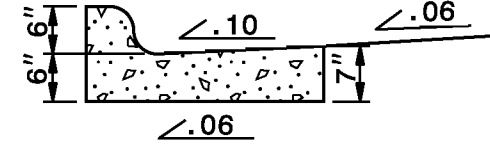
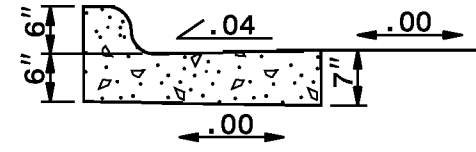
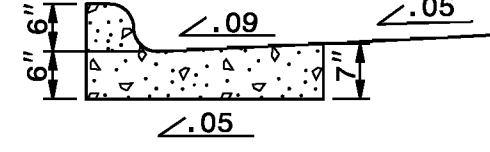
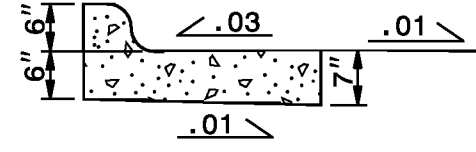
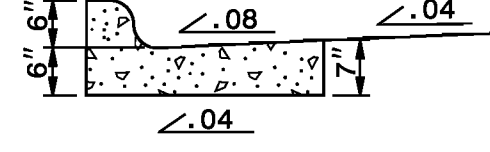
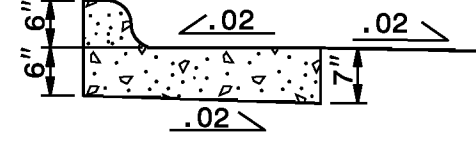
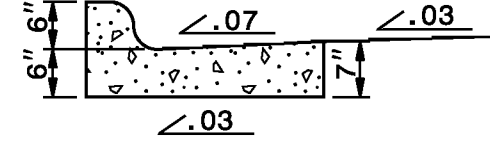
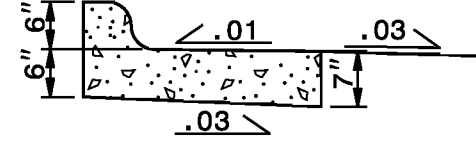
**SECTION VIEW OF JOINTS**

1-12

ENGLISH STANDARD DRAWING FOR  
CONCRETE CURB, GUTTER  
AND CURB & GUTTER



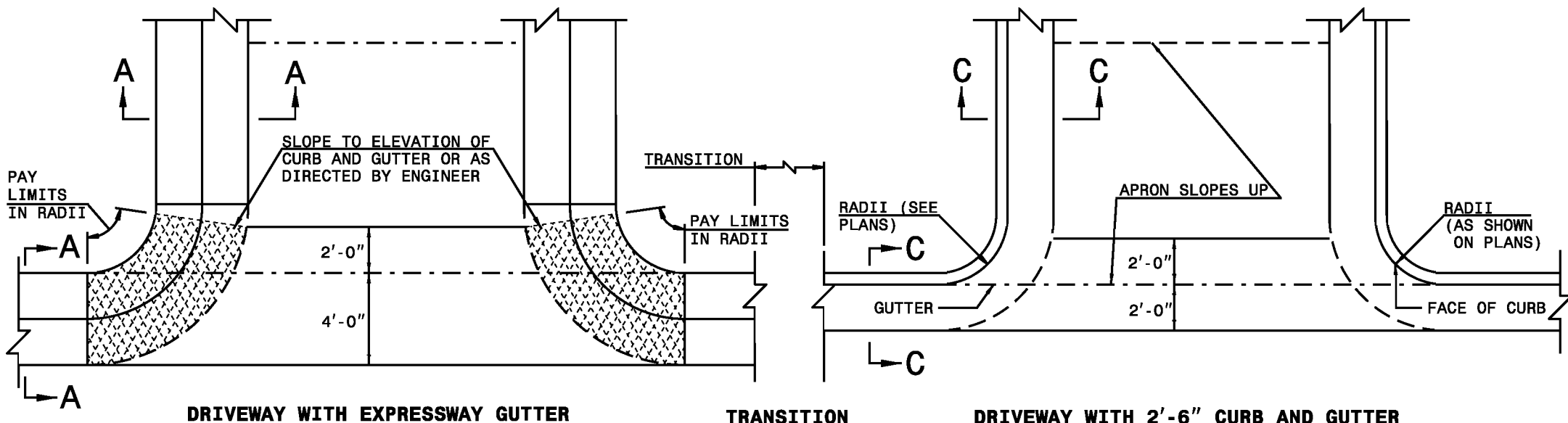
SECTION VIEWS OF  
EXPRESSWAY GUTTER IN SUPER ELEVATION



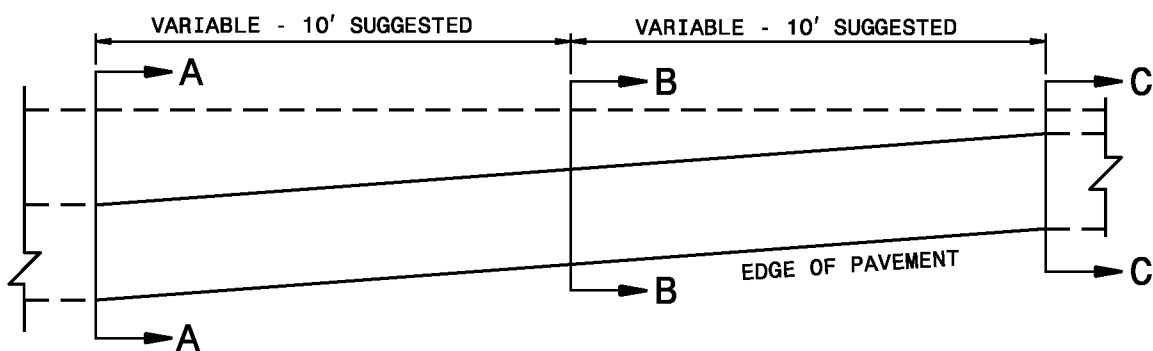
SECTION VIEWS OF  
2'-6" CURB AND GUTTER SUPERELEVATION RATES

1-12

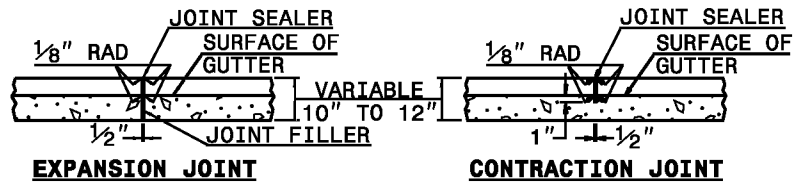
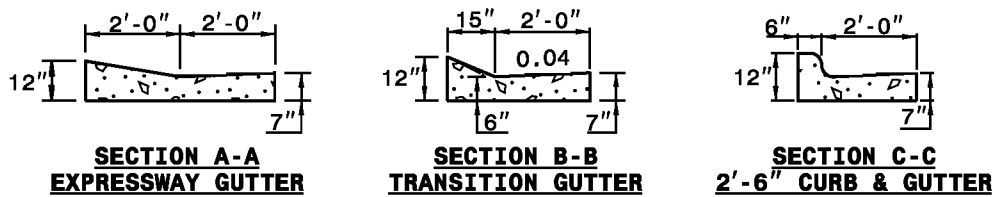
ENGLISH STANDARD DRAWING FOR  
CONCRETE CURB, GUTTER  
AND CURB & GUTTER



DRIVEWAY WITH EXPRESSWAY GUTTER      TRANSITION      DRIVEWAY WITH 2'-6" CURB AND GUTTER  
**PLAN VIEW OF TYPICAL CURB AND GUTTER OCCURENCES**



**PLAN VIEW OF TRANSITION**  
**EXPRESSWAY GUTTER TO 2'-6" CURB AND GUTTER**



**NOTES:**  
 - IN THE TRANSITION FROM 4'-0" CONCRETE EXPRESSWAY GUTTER TO 2'-6" CONCRETE CURB AND GUTTER, PLACE 1/2" EXPANSION JOINTS AT 25' INTERVALS.  
 - PLACE GROOVE JOINTS 1" DEEP AT 12'-6" INTERVALS BETWEEN EXPANSION JOINTS.  
 - FILL AND SEAL THE TOP 1/2" OF THE EXPANSION JOINTS AND 1" OF CONTRACTION JOINTS WITH APPROVED JOINT SEALING COMPOUND.

ENGLISH STANDARD DRAWING FOR  
**CONCRETE CURB, GUTTER**  
**AND CURB & GUTTER**

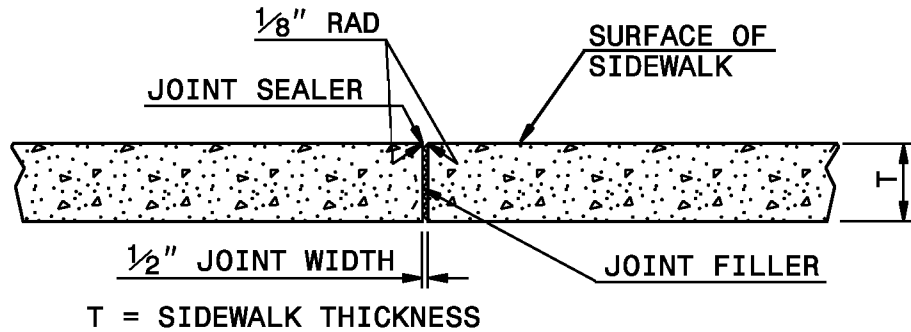
ENGLISH STANDARD DRAWING FOR  
**CONCRETE CURB, GUTTER**  
**AND CURB & GUTTER**

NOTES:

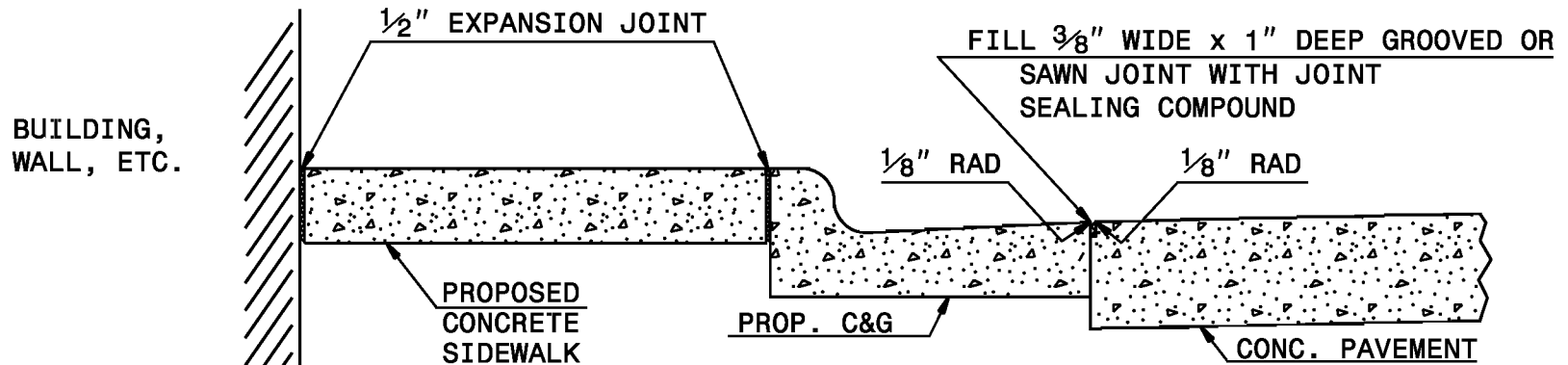
CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

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. 848.05 FOR WHEELCHAIR RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.

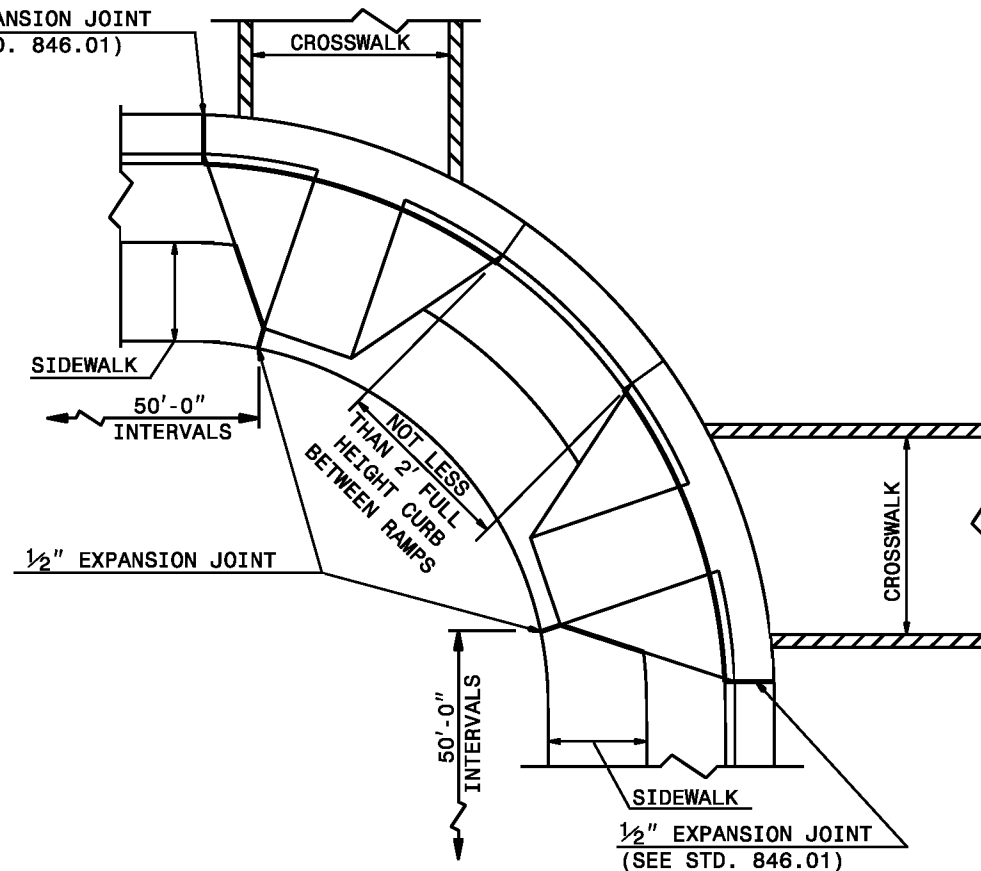


**TRANSVERSE EXPANSION JOINT  
IN SIDEWALK**



**DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK**

1/2" EXPANSION JOINT  
(SEE STD. 846.01)



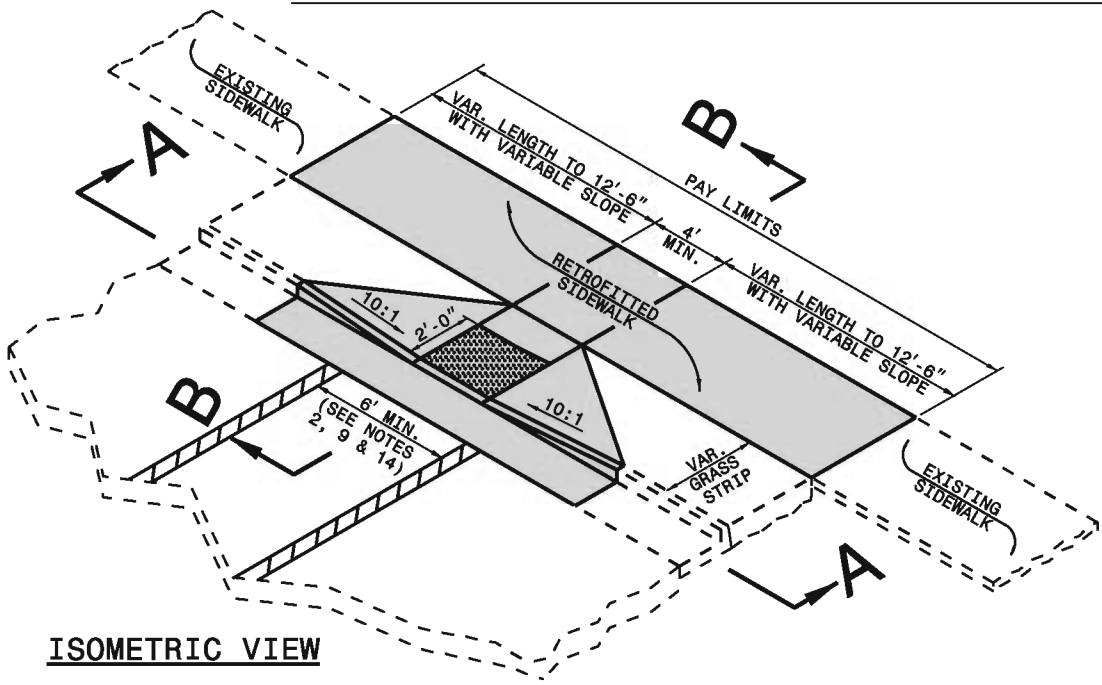
**PLAN VIEW**



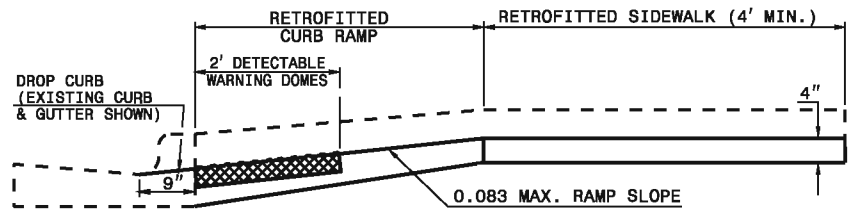
**CURB RAMP AND EXISTING SIDEWALK WITH GRASS STRIP**

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

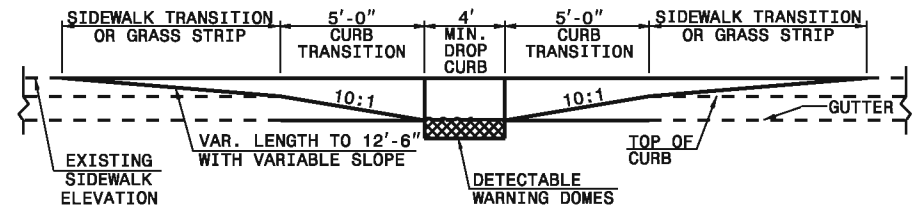
STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.



**ISOMETRIC VIEW**

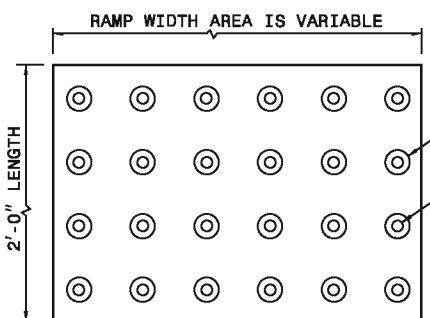


**SECTION B-B**

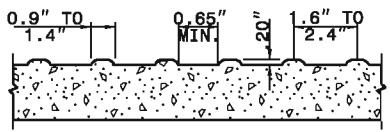


**SECTION A-A**

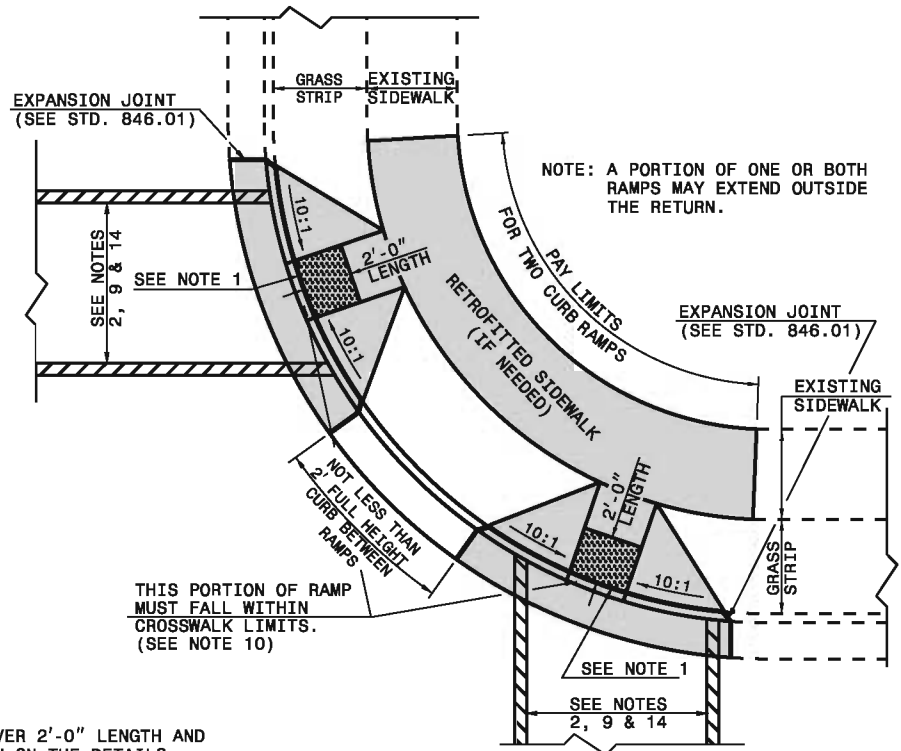
PAY LIMITS OF CURB RAMP



BASE DIAMETER  
0.90"R TO 1.40"R  
TOP DIAMETER OF NO LESS  
THAN 50% TO NO MORE  
THAN 65% OF THE BASE  
DIAMETER



**DETECTABLE WARNING DOMES**



**PLAN VIEW**

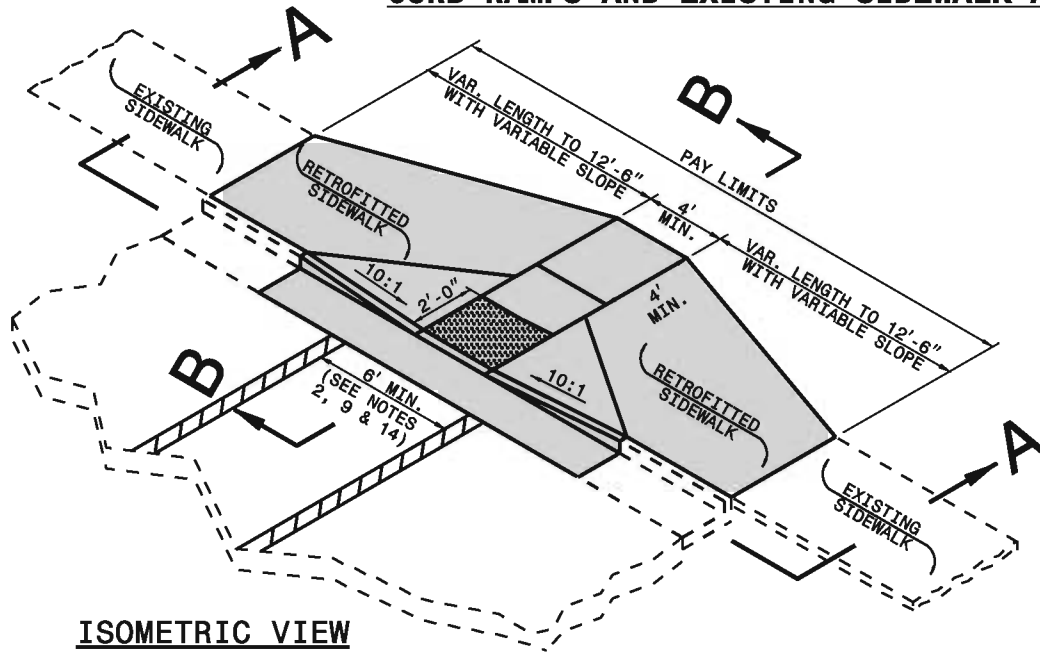
DUAL RAMPS  
ANY RADII  
(40" MIN. FLOOR WIDTH)

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

ENGLISH STANDARD DRAWING FOR  
**CURB RAMP**  
EXISTING CURB AND GUTTER

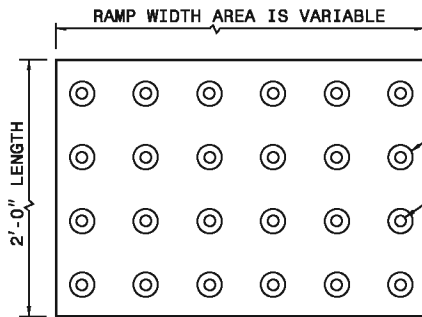
ENGLISH STANDARD DRAWING FOR  
**CURB RAMP**  
EXISTING CURB AND GUTTER

**CURB RAMPS AND EXISTING SIDEWALK ADJACENT TO CURB**

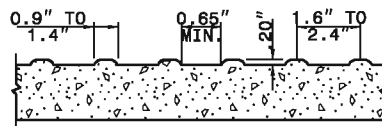


**ISOMETRIC VIEW**

PAY LIMITS OF CURB RAMP

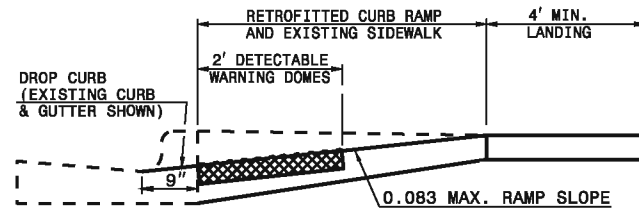


BASE DIAMETER  
0.90"R TO 1.40"R  
TOP DIAMETER OF NO LESS  
THAN 50% TO NO MORE  
THAN 65% OF THE BASE  
DIAMETER

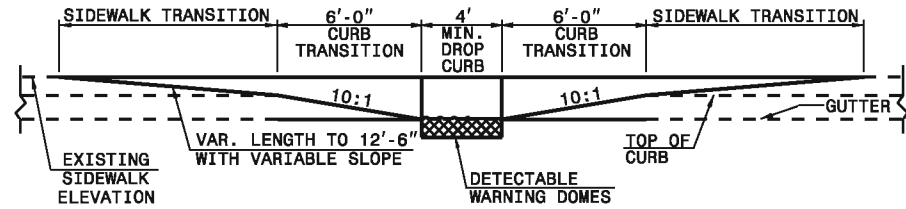


**DETECTABLE WARNING DOMES**

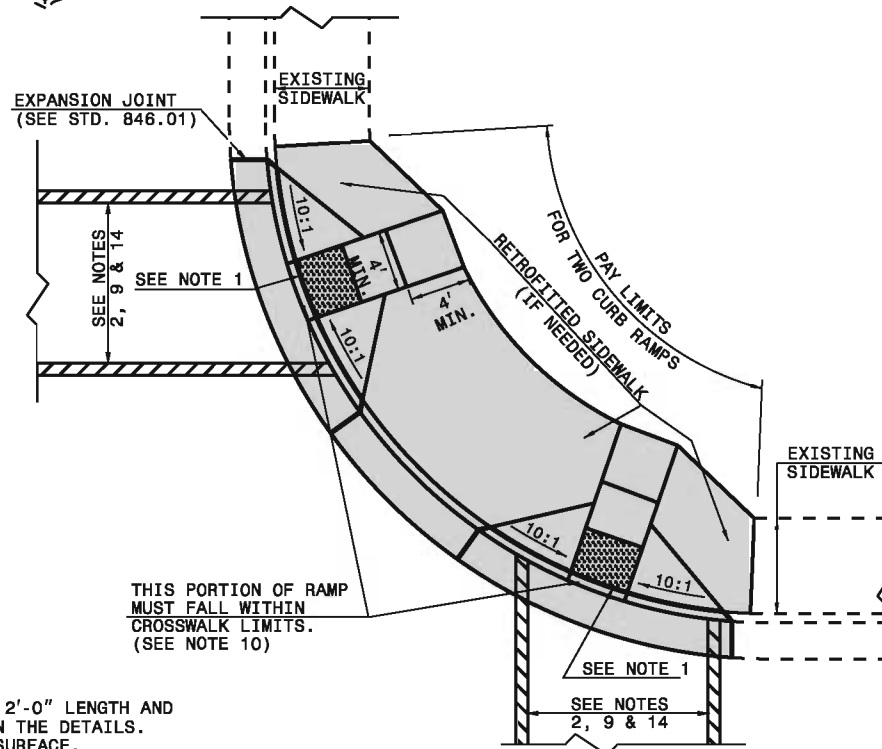
- NOTES:
1. PLACE DETECTABLE WARNING DOMES TO COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
  2. OBTAIN VISIBLE CONTRAST WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



**SECTION B-B**



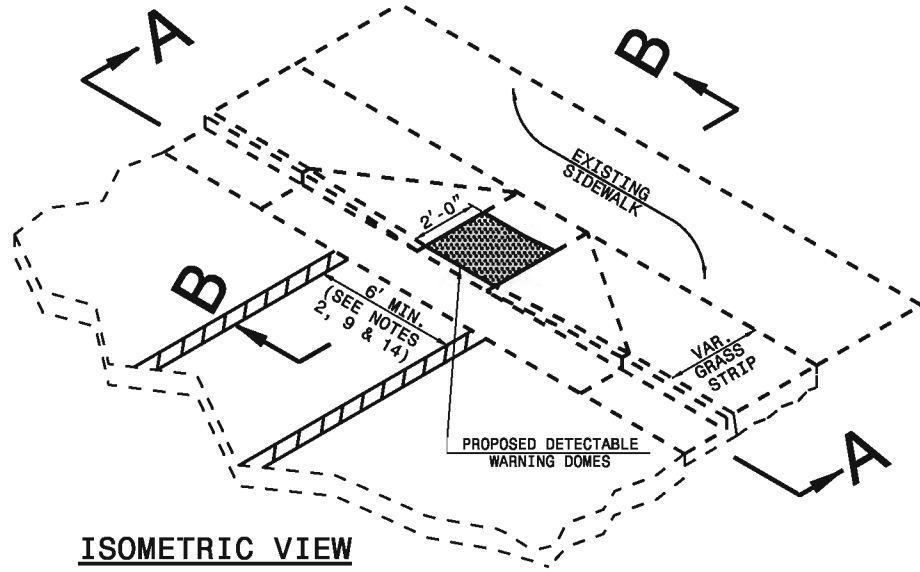
**SECTION A-A**



**PLAN VIEW**

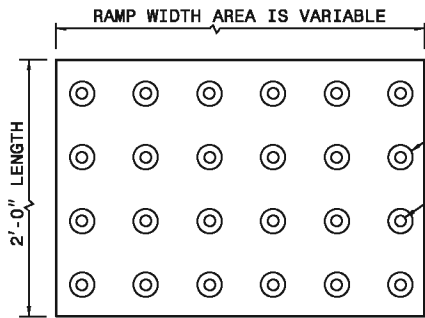
DUAL RAMPS  
ANY RADII  
(40" MIN. FLOOR WIDTH)

**RETROFITTING DETECTABLE WARNING DOMES ONTO EXISTING CURB RAMP**



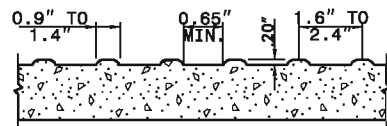
**ISOMETRIC VIEW**

PAY LIMITS OF RETROFIT CURB RAMP



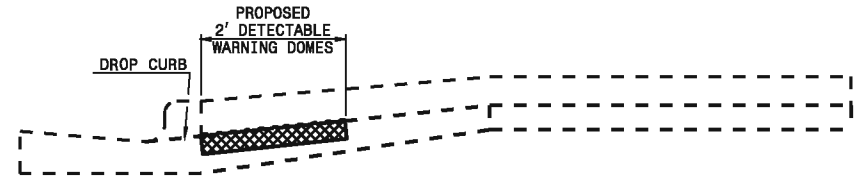
**BASE DIAMETER**  
0.90" R TO 1.40" R

**TOP DIAMETER OF NO LESS**  
THAN 50% TO NO MORE  
THAN 65% OF THE BASE  
DIAMETER

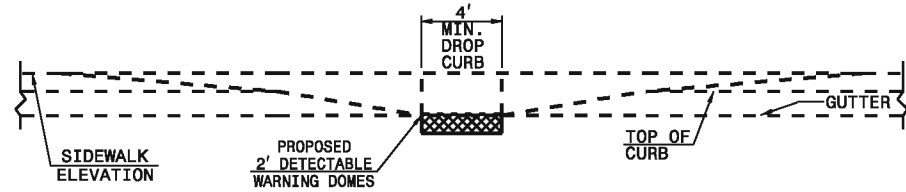


- NOTES:**
1. PLACE DETECTABLE WARNING DOMES TO COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
  2. OBTAIN VISIBLE CONTRAST WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

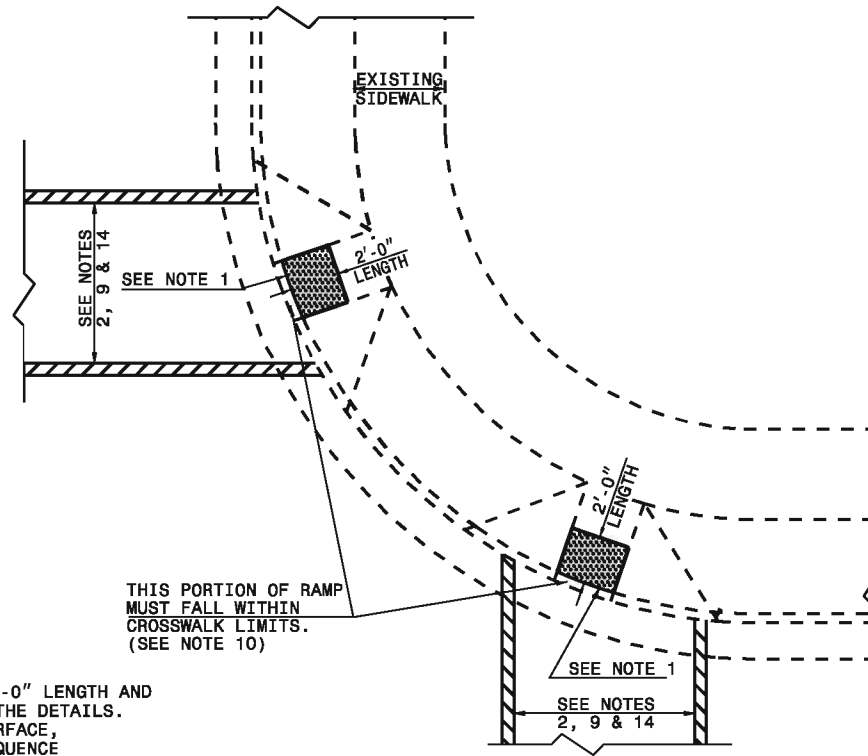
**DETECTABLE WARNING DOMES**



**SECTION B-B**



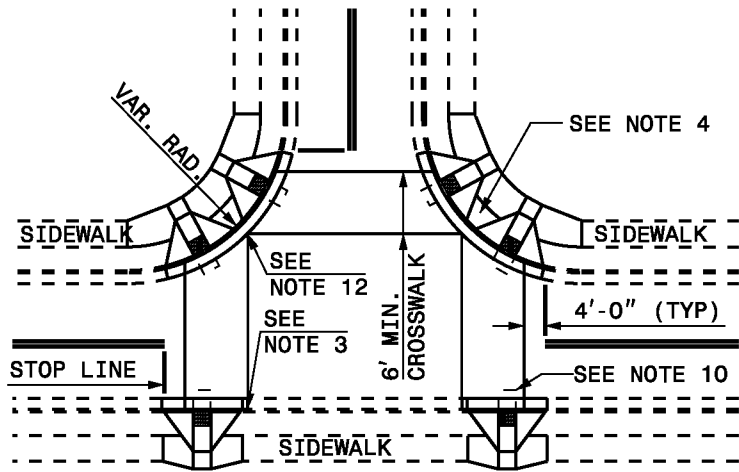
**SECTION A-A**



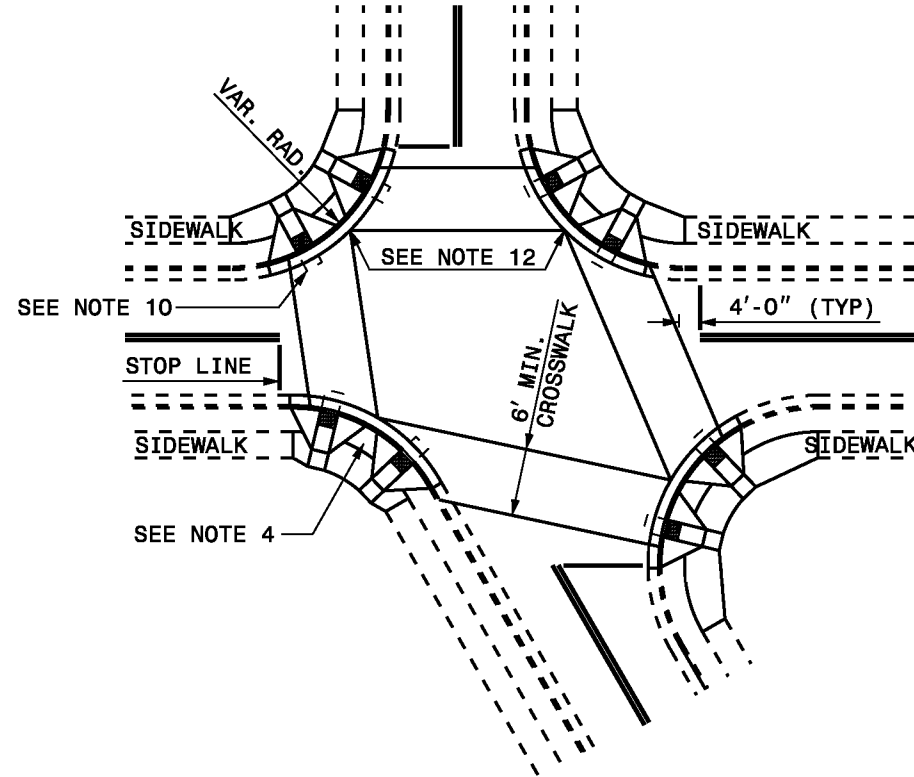
**PLAN VIEW**

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

**CURB RAMPS AND EXISTING SIDEWALK**

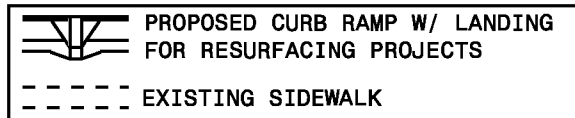


DETAIL SHOWING TYPICAL LOCATION OF CURB RAMPS,  
PEDESTRIAN CROSSWALKS AND STOP LINES FOR TEE INTERSECTIONS



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

**RESURFACING PROJECTS**



ALLOWABLE LOCATIONS

DUAL RAMP RADII.....ANY

**CURB RAMP AND EXISTING SIDEWALK**

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' BACK OF A 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 LANDINGS FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT LANDINGS FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
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' LANDING AT THE TOP OF A 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. 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. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS. CONTACT THE CONTRACT STANDARDS AND DEVELOPMENT UNIT FOR THE DETAILS OR FOR A SPECIAL DESIGN.

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

1-12

ENGLISH STANDARD DRAWING FOR  
**CURB RAMP**  
EXISTING CURB AND GUTTER

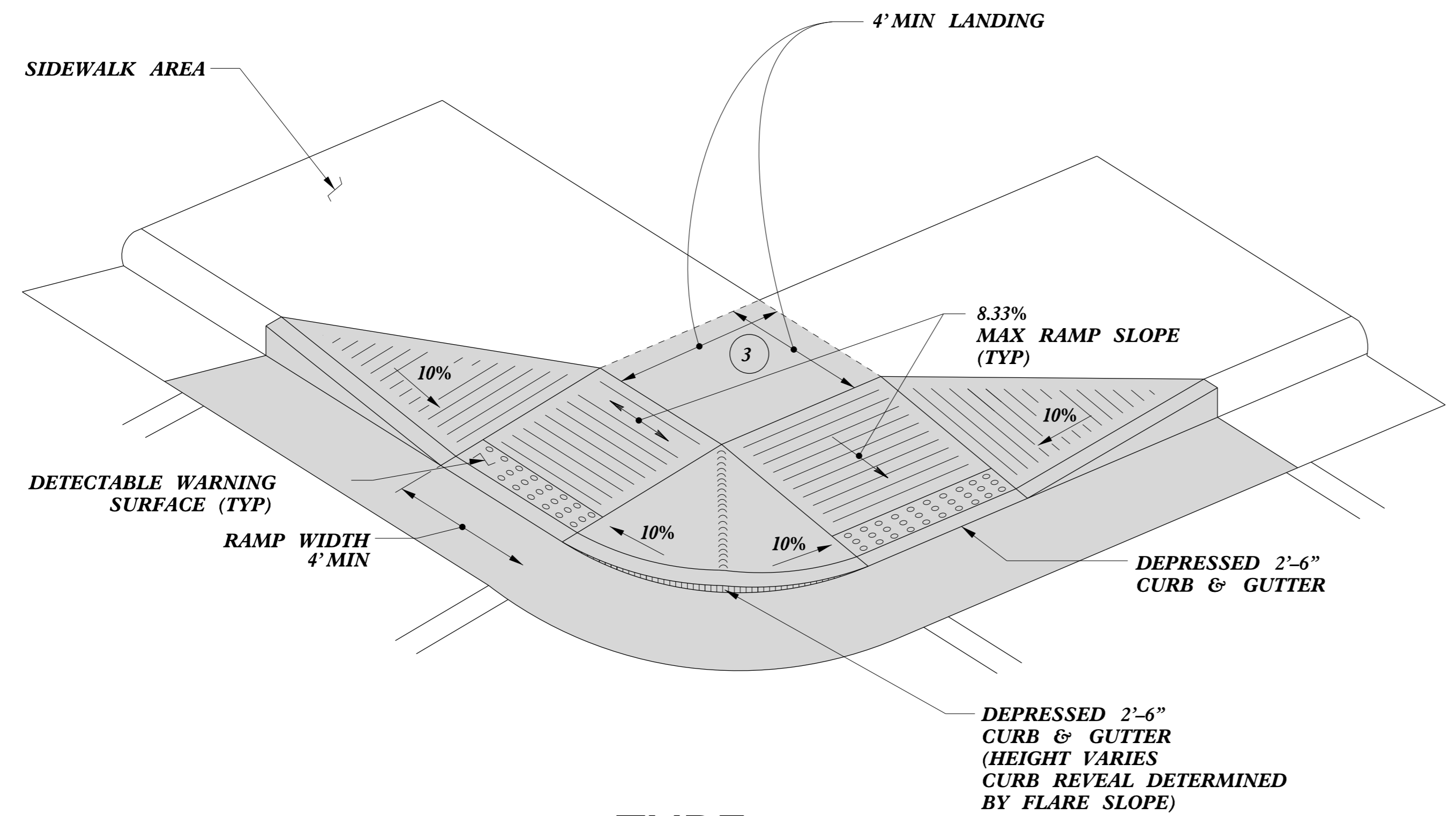
STATE OF  
NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

1-12

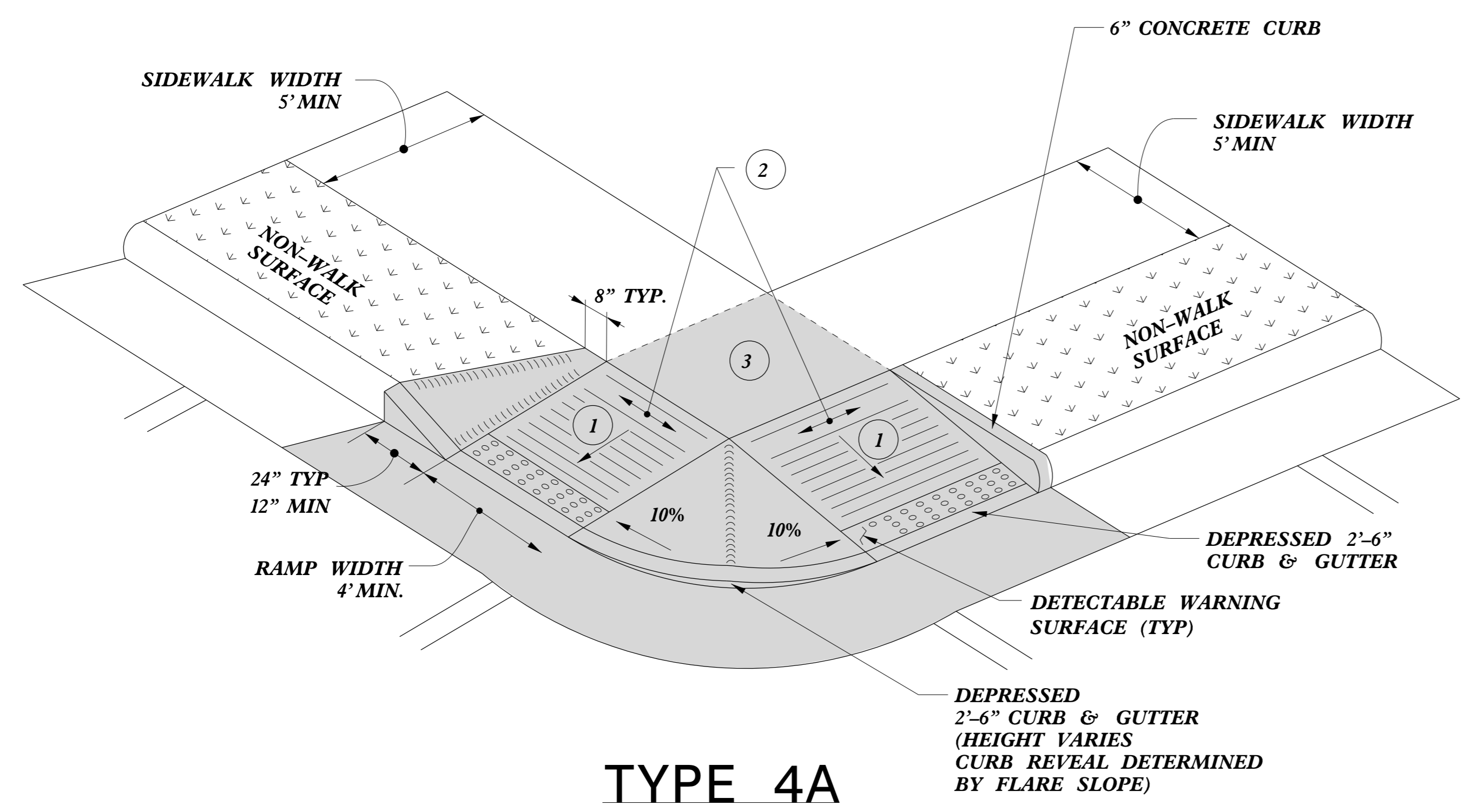
ENGLISH STANDARD DRAWING FOR  
**CURB RAMP**  
EXISTING CURB AND GUTTER





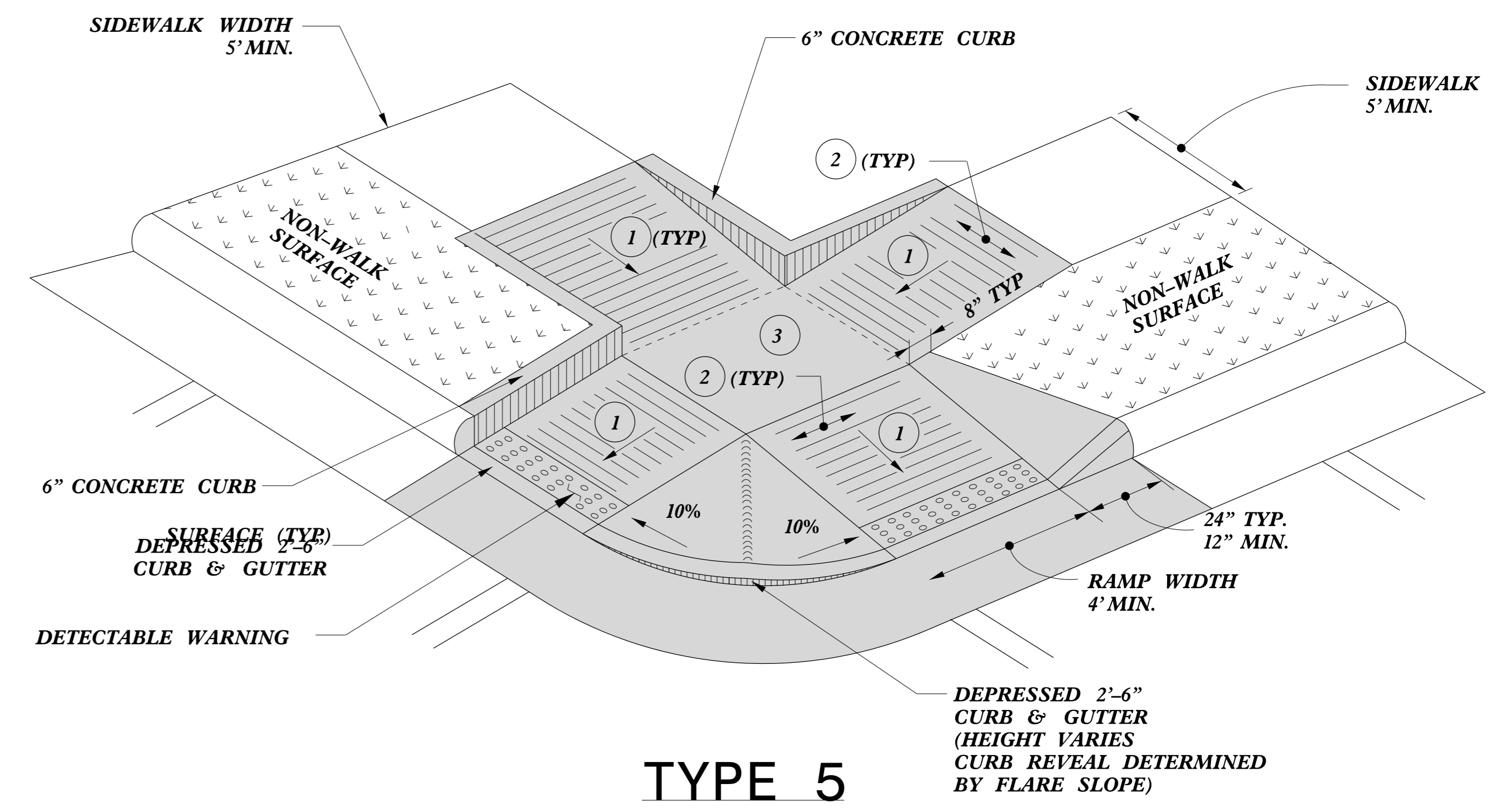


**TYPE 4**



**TYPE 4A**

**PAY LIMITS FOR 2 CURB RAMPS**



**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.



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

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

5/14/99  
C:\TIME\STDS\CON\STDS\USER\NAME