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STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

GUILFORD COUNTY

LOCATION: *VARIOUS INTERSECTIONS IN  
ALAMACE AND ORANGE COUNTY*

TYPE OF WORK: *INSTALLATION OF ADA COMPLIANT CURB RAMPS*

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5787L	1	39
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
44917.1.15	4491715	P.E.	
44917.3.13	4491715	CONSTRUCTION	

TIP PROJECT: R-5787L

CONTRACT: DG00620



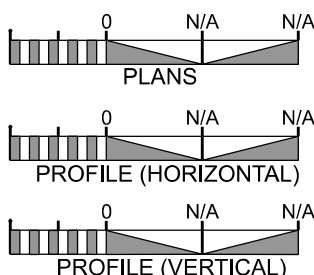
MAP 1  
INSETS 1- 59, 65, 67- 69

MAP 2  
INSETS 60-64, 66, 70 - 85



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

PROJECT LENGTH

Prepared in the Office of:

**DIVISION 7 DDC UNIT**

1584 YANCEYVILLE STREET, GREENSBORO, NC 27405

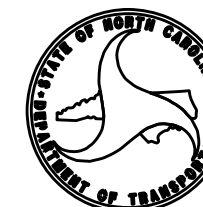
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
N/A

J.B. YATES, P.E.  
PROJECT ENGINEER

LETTING DATE:  
SEPTEMBER 21, 2023

NISHANT SHAH  
PROJECT DESIGN ENGINEER



## INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
2 THRU 2E	CURB RAMP DETAILS
3 THRU 3C	GUILFORD SUMMARY OF QUANTITIES
4 - 4A	GUILFORD VICINITY MAPS
5 THRU 26	GUILFORD INSETS
EC-1 THRU EC-3	EROSION CONTROL PLANS

GENERAL NOTES:                   2018 SPECIFICATIONS  
EFFECTIVE: 01-16-2018  
REVISED:

## SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

## CURB RAMPS

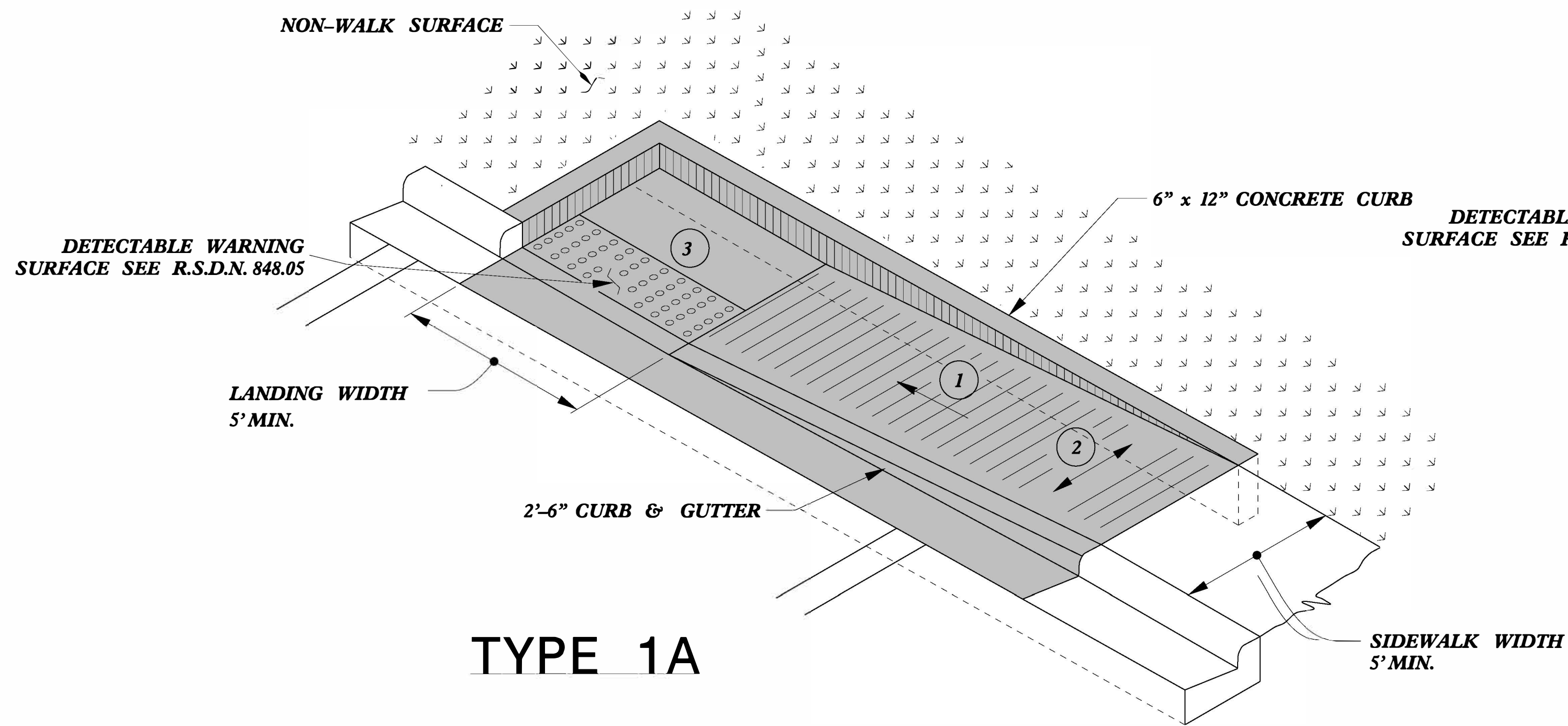
CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS.  
CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.05 and/or 848.06.

EFF. 01-16-2018  
REV.

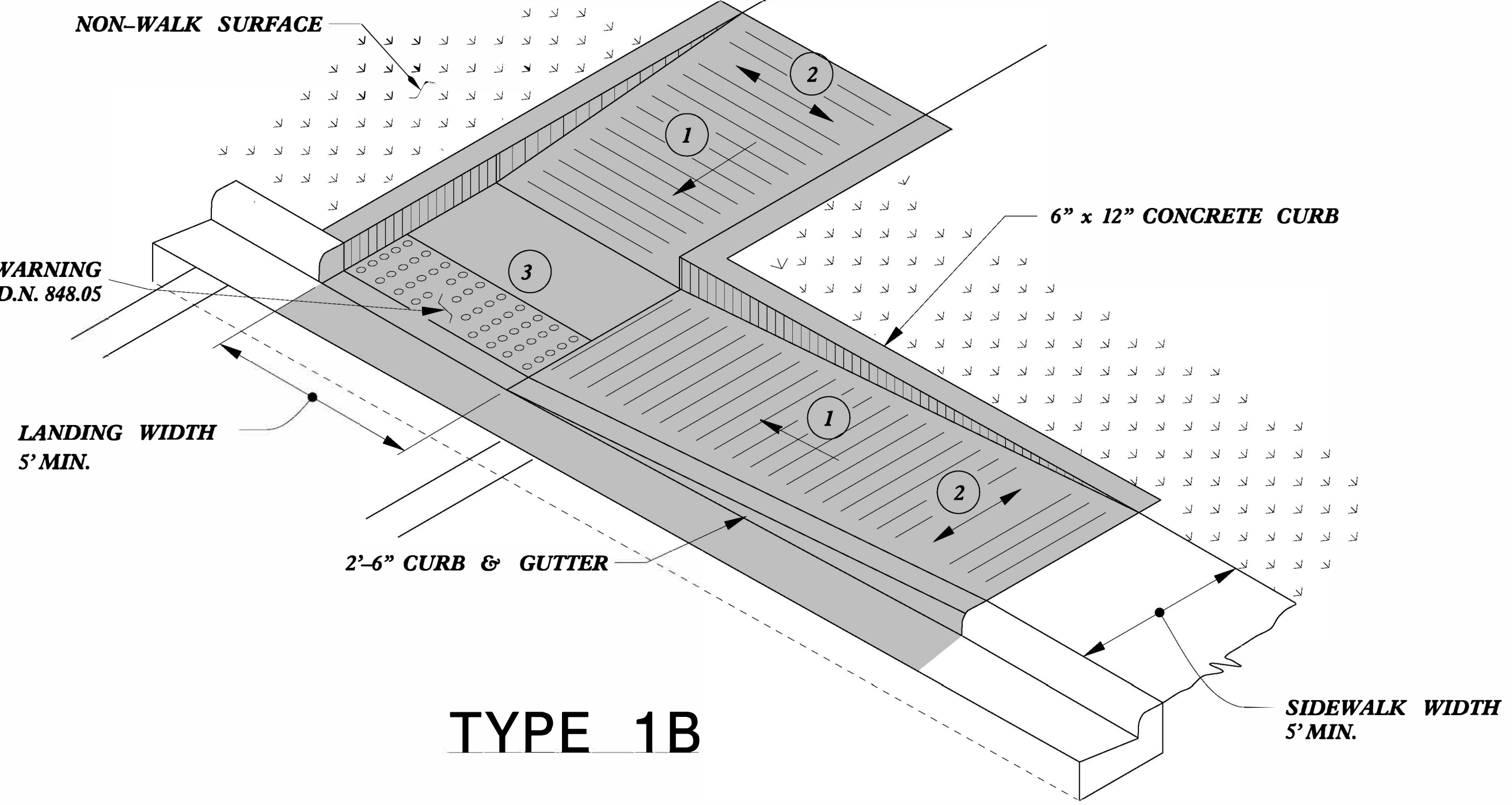
## 2018 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:

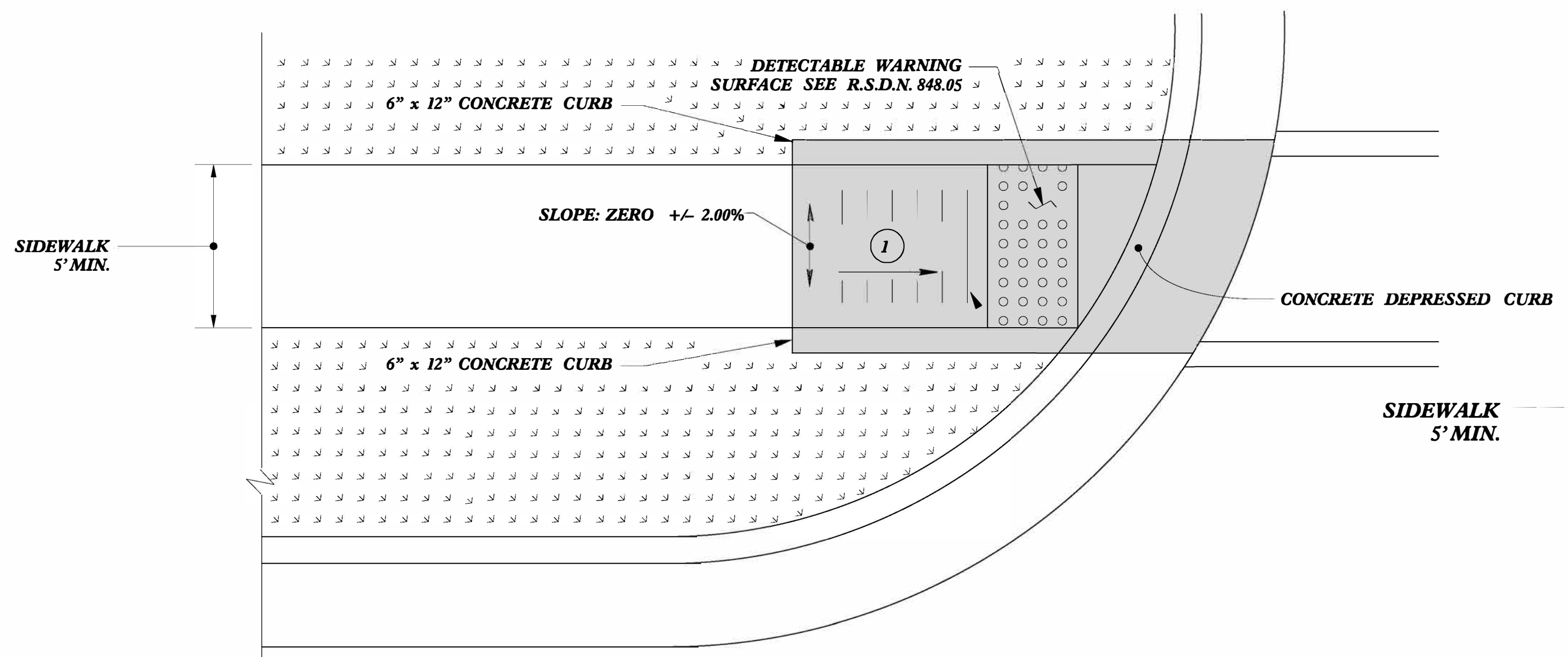
STD.NO.	TITLE
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS	
700.01	Concrete Pavement Joints - Construction and Contraction Joints
DIVISION 8 - INCIDENTALS	
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin
848.01	Concrete Sidewalk
848.04	Street Turnout
848.05	Curb Ramp - Proposed Curb & Gutter
848.06	Curb Ramp - Existing Curb & Gutter
852.01	Concrete Islands
852.10	Median Construction - with Curb and Gutter



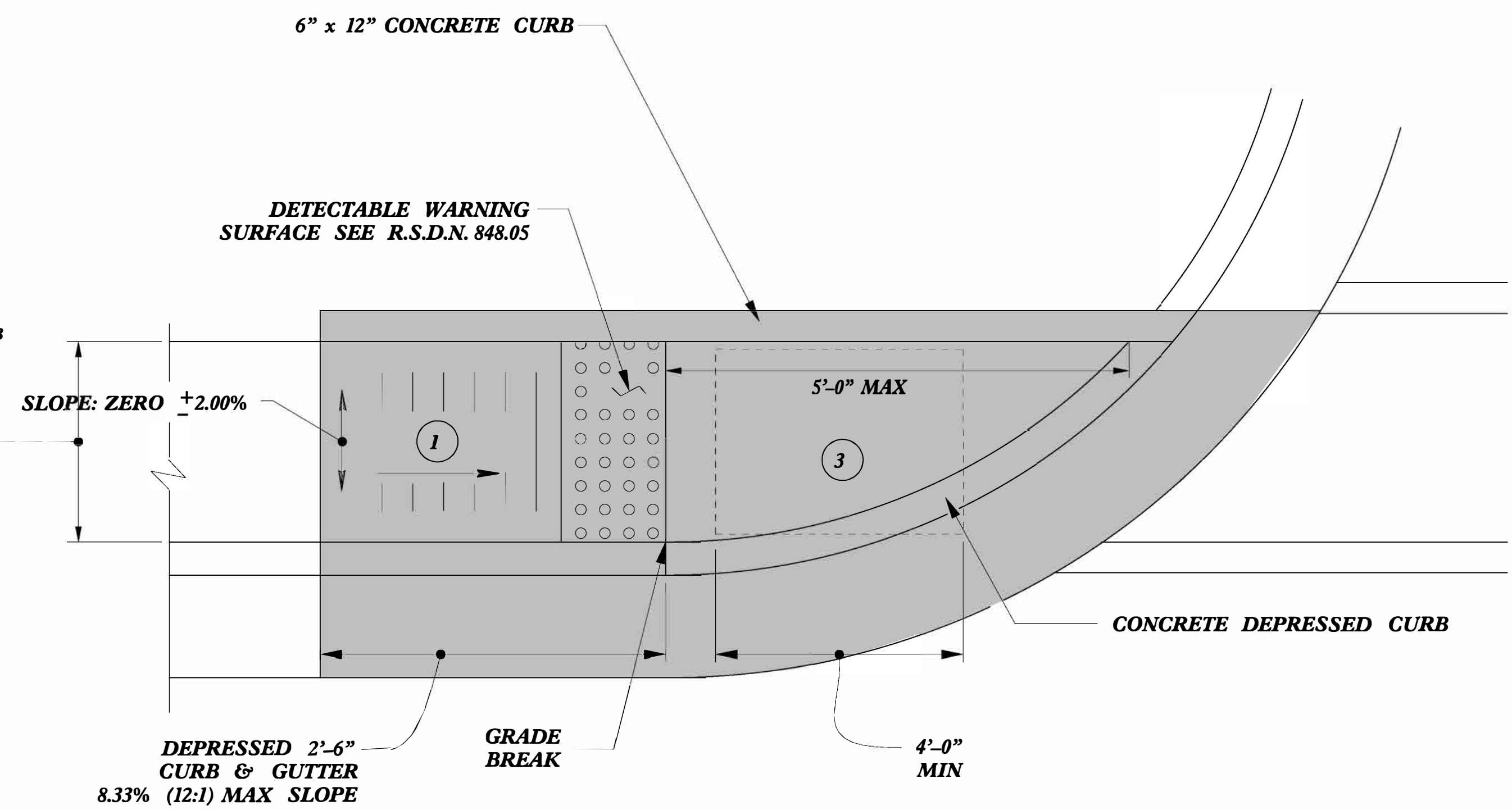
**TYPE 1A**



**TYPE 1B**



**TYPE 1 Modified**

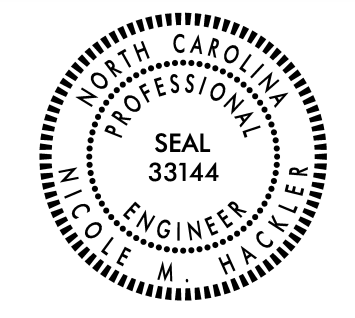


**TYPE 1**

- 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



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

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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 PLOT DATE: 7/7/11 10:00 AM  
 PLOT BY: J.S. HOWERTON

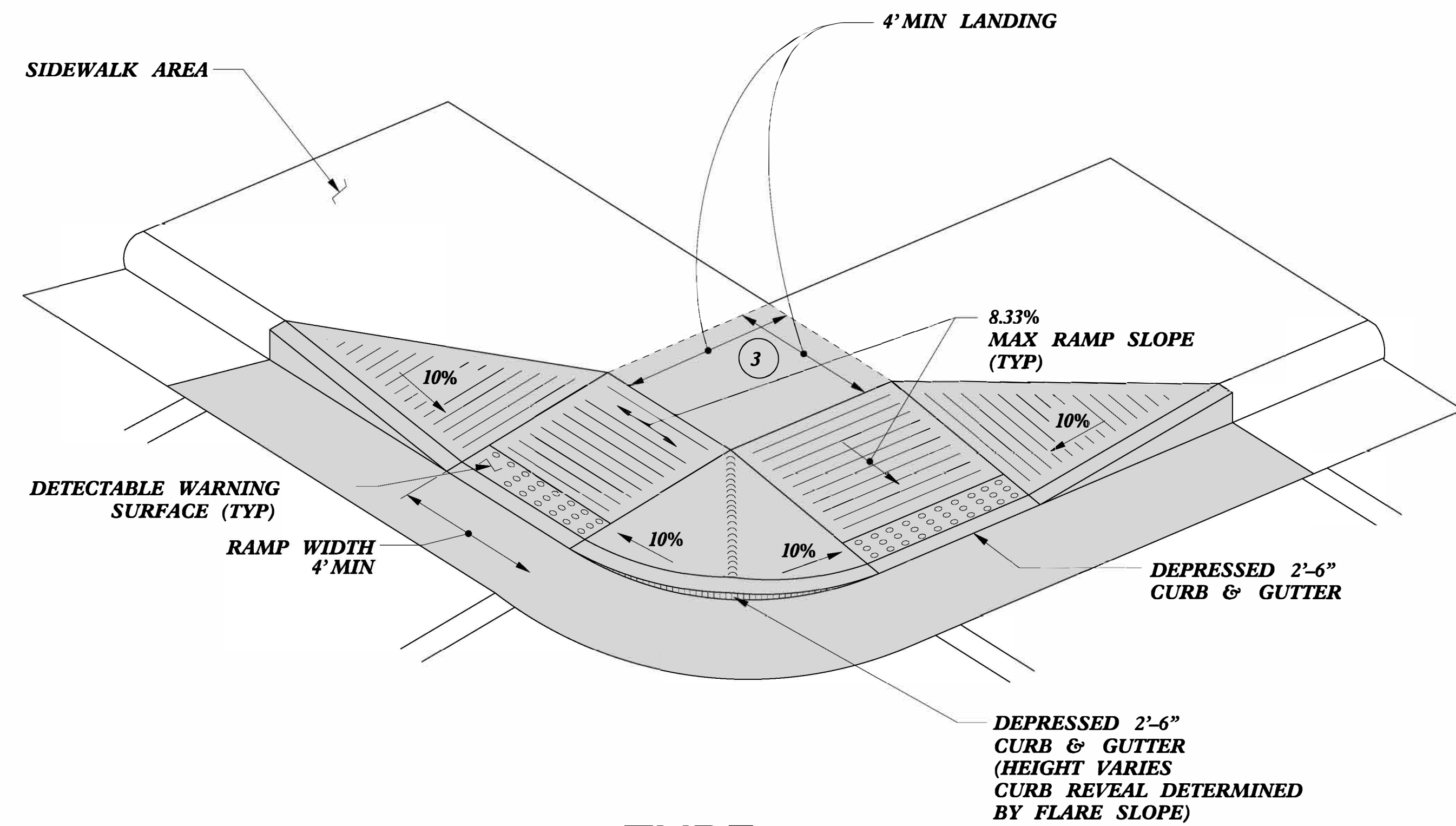




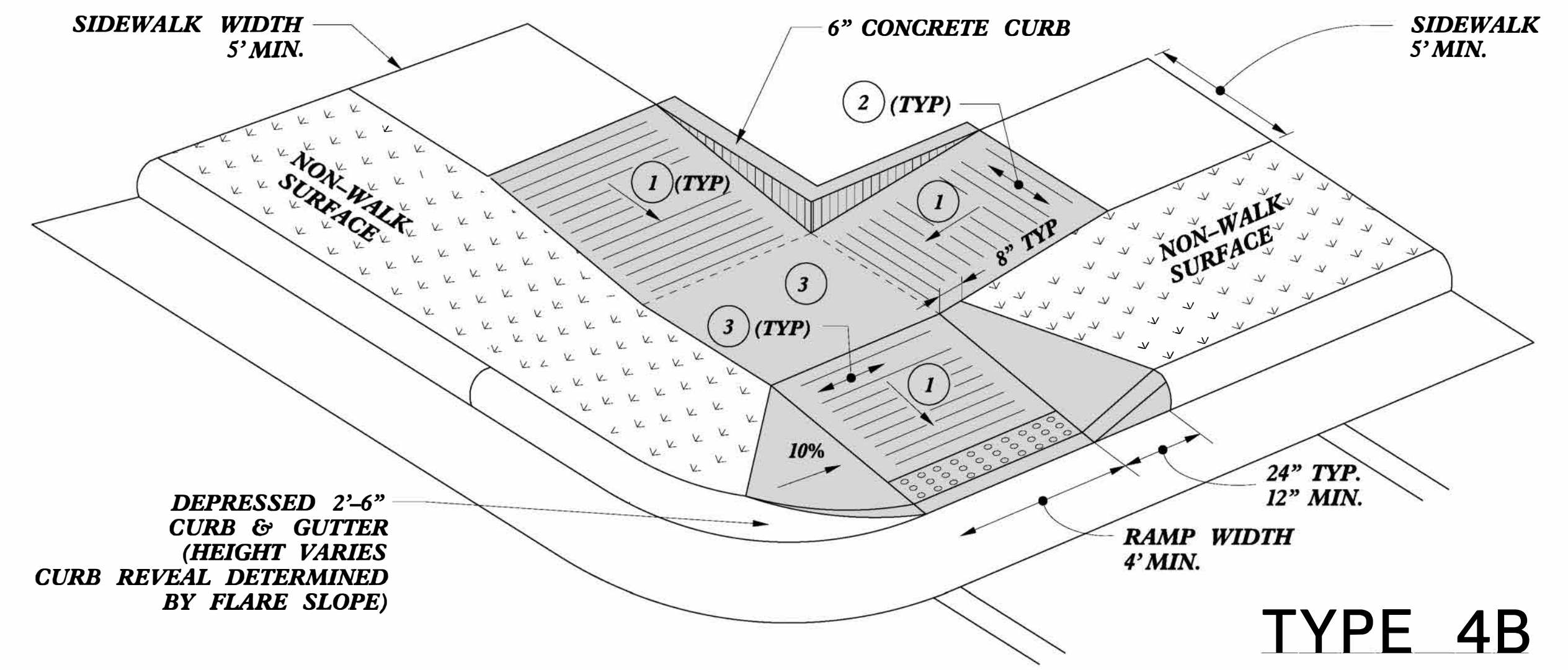




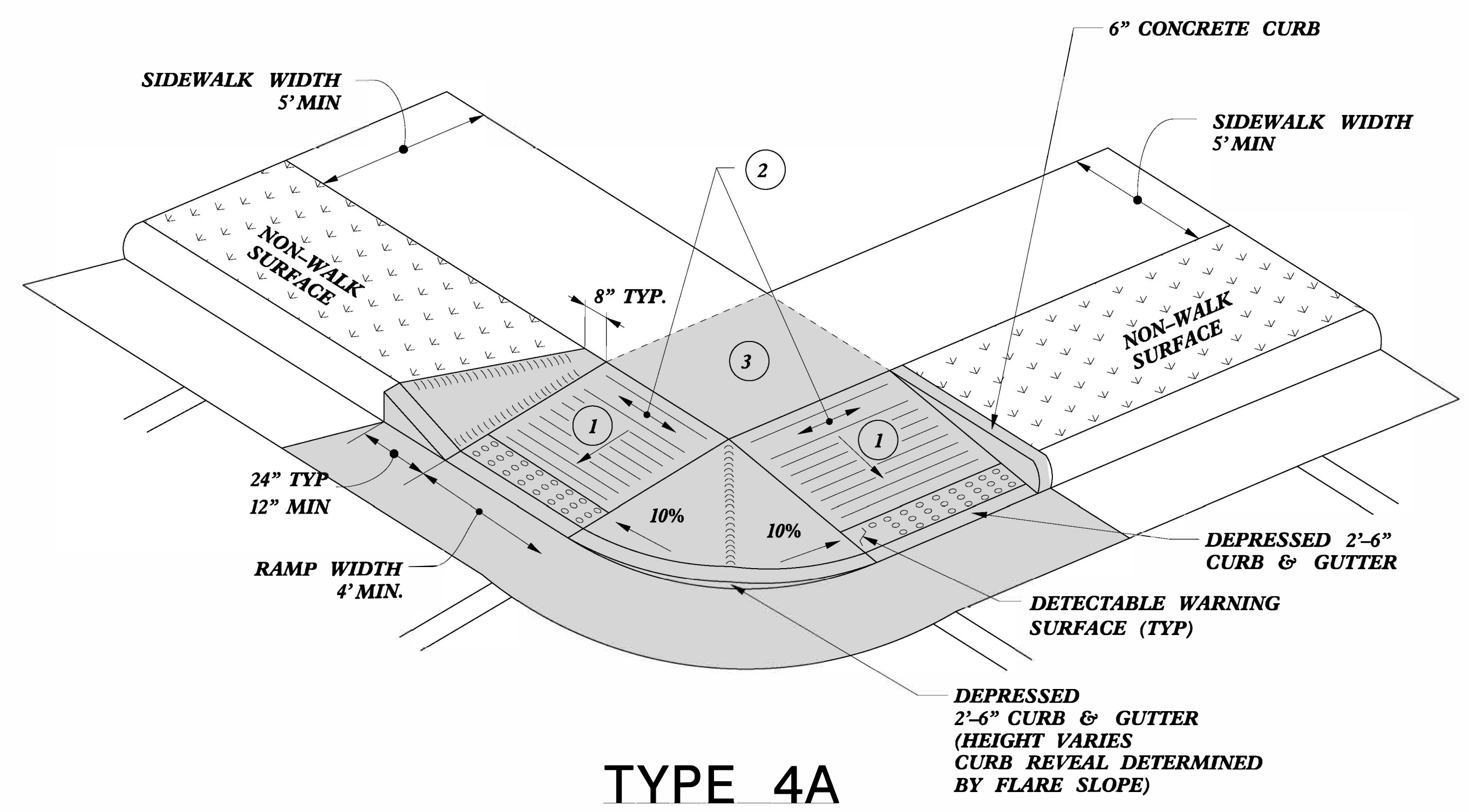
PAY LIMITS FOR 1 OR 2 CURB RAMPS  
(CALCULATE BASED ON NUMBER OF SETS  
OF TRUNCATED DOMES)



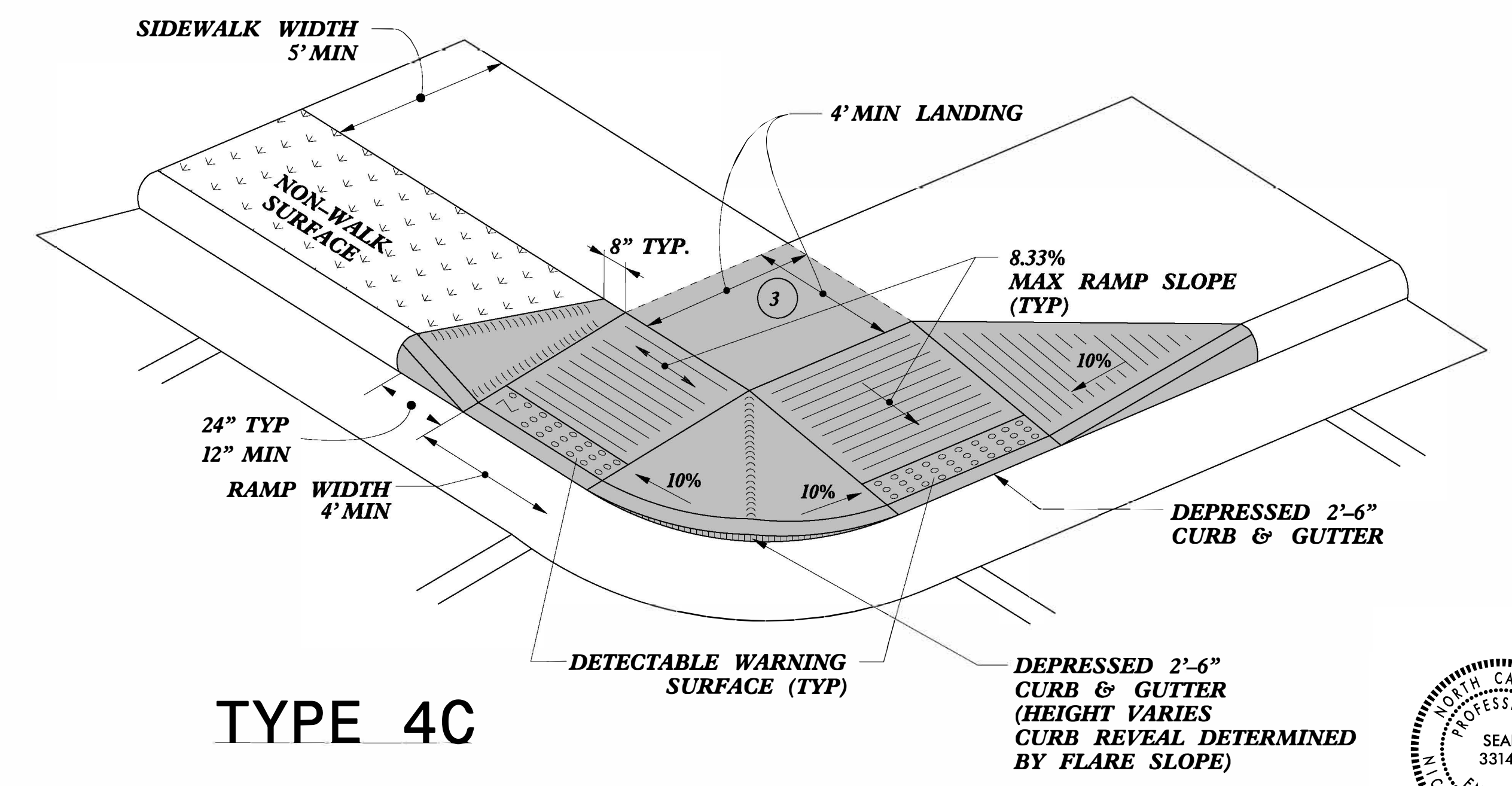
**TYPE 4**



**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.



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**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

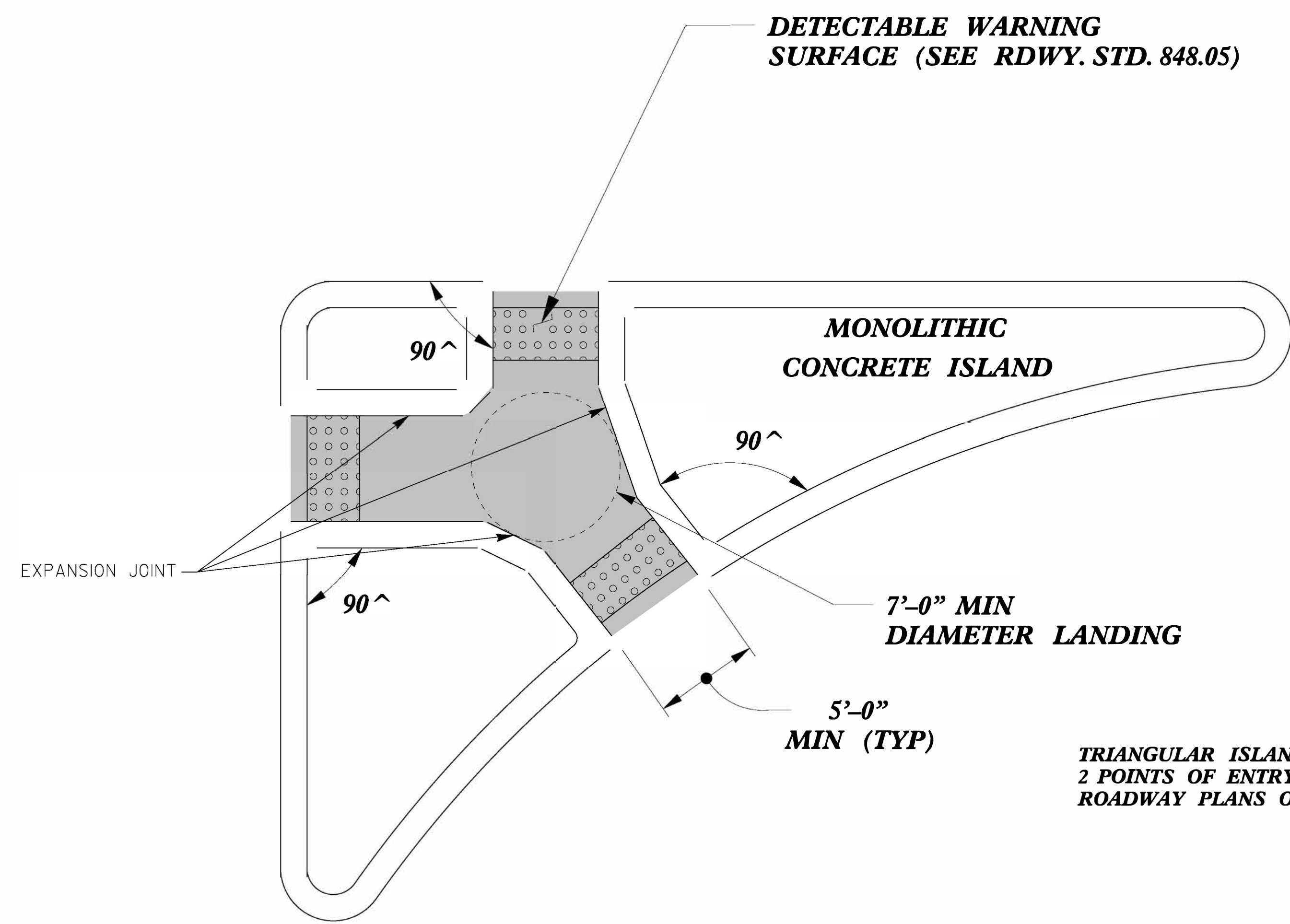
REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

5/14/99  
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 PLOT DATE: 7/7/11 10:00 AM  
 PLOT BY: J.S. HOWERTON



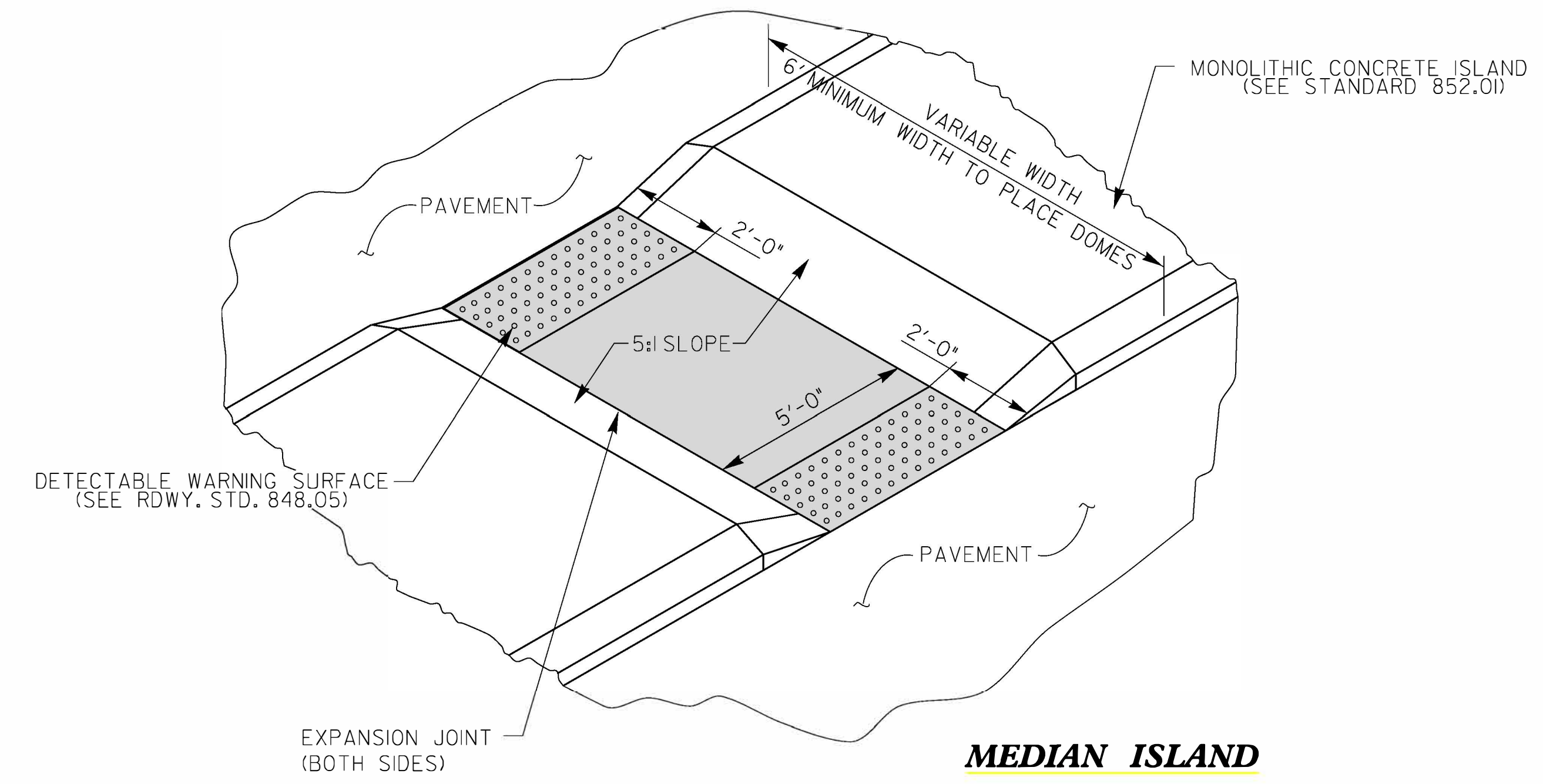


PAY LIMITS FOR 2 OR 3 CURB RAMPS  
(CALCULATE BASED ON NUMBER OF  
SETS OF TRUNCATED DOMES)

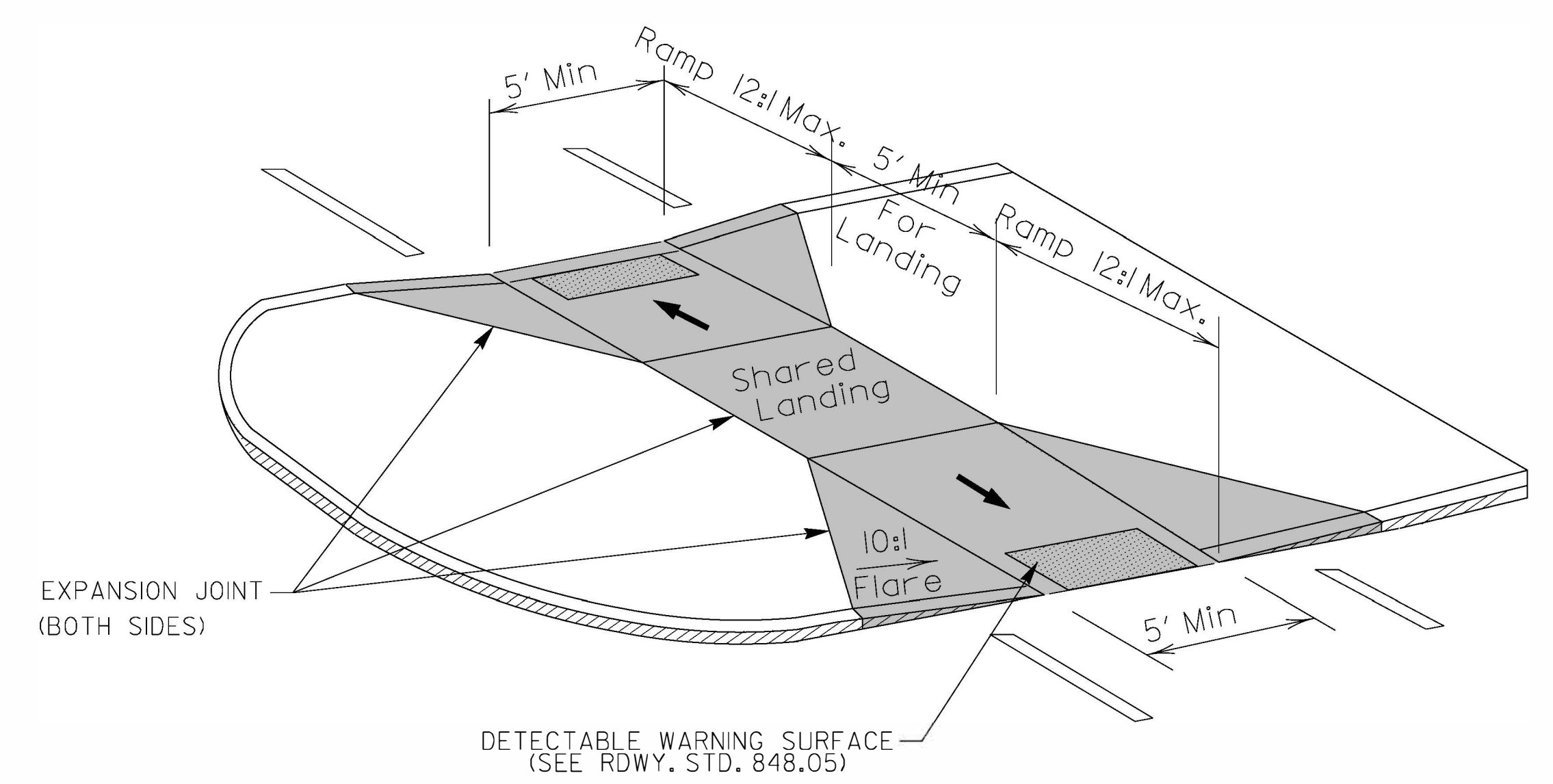


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY  
2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE  
ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

**TRIANGULAR ISLAND  
WITH CUT THROUGH  
TYPE 6**



**MEDIAN ISLAND  
WITH CUT THROUGH  
TYPE 7**



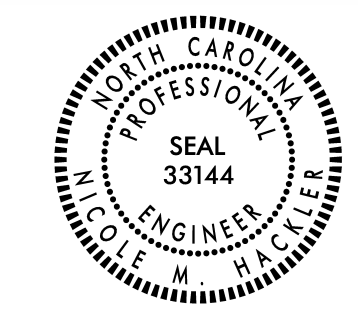
**MEDIAN ISLAND  
CURB RAMPS  
TYPE 8**

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

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

**CURB RAMPS**  
Median or Turn Lane Islands

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



5/14/99  
SYTIME  
SUGERNAVE

### R-5787L SUMMARY OF QUANTITIES

Municipality	INTERSECTION NO.	RAMP ID	Intersection	SHEET NO.	INSET	ASPHALT CONC. BASE COURSE, TYPE B2.5C	ASPHALT CONC. SURFACE COURSE, TYPE S9.5C	ASPHALT BINDER FOR PLANT MIX	2'-6" CONCRETE CURB AND GUTTER	4" CONCRETE SIDEWALK	CONCRETE CURB RAMPS	RETROFIT EXISTING CURB RAMPS	REMOVE & REPLACE CURB RAMPS	REMOVE & DISPOSE CURB RAMPS	REMOVE AND DISPOSE OF EXISTING SIDEWALK	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE BOXES	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	GENERIC TRAFFIC CONTROL ITEM - PEDESTRIAN TRANSPORT SERVICE	GENERIC TRAFFIC CONTROL ITEM - AUDIBLE WARNING DEVICE	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILLS)	TEMPORARY SILT FENCE	WATTLE	SEEDING & MULCHING	TYPE	NOTES	
Greensboro	1521	1521A	SR-2136 (Fleming Rd) & Fleming Terrace Rd	16	45	1	94	6	5				1					110	1	374	20		1870	1870	3	TYPE 2B	BEST FIT ramp to serve both direction.	
Greensboro	1521	1521B	SR-2136 (Fleming Rd) & Fleming Terrace Rd	16	45				5				1													TYPE 2B	BEST FIT ramp to serve both direction.	
Greensboro	1521	1521C	SR-2136 (Fleming Rd) & Fleming Terrace Rd	16	45				5				1													TYPE 2B	BEST FIT ramp to serve both direction.	
Greensboro	1521	1521D	SR-2136 (Fleming Rd) & Fleming Terrace Rd	16	45				5				1													TYPE 2B	BEST FIT ramp to serve both direction.	
<b>TOTAL FOR INTERSECTION NO. 1521</b>									<b>20</b>				<b>4</b>					<b>110</b>	<b>1</b>	<b>374</b>	<b>20</b>		<b>1870</b>	<b>1870</b>	<b>3</b>			
Greensboro	1522	1522A	SR-2136 (Fleming Rd) & Fox Chase Rd	16	46				10	22.23			1		20											TYPE 1 MOD	Realign sidewalk to create directional ramp to line up to 1522B, see design.	
Greensboro	1522	1522B	SR-2136 (Fleming Rd) & Fox Chase Rd	16	46				15	11.12			1		20											TYPE 1 MOD	Realign sidewalk and ramp to line up to 1522A, see design.	
<b>TOTAL FOR INTERSECTION NO. 1522</b>									<b>25</b>	<b>33.35</b>			<b>2</b>		<b>40</b>													
Greensboro	1537	1537A	SR-1546 (Guilford College Rd) & Hackney Rd	17	57				5				1													TYPE 1 MOD	Align ramp to 1537B, as per design.	
Greensboro	1537	1537B	SR-1546 (Guilford College Rd) & Hackney Rd	17	57				5				1													TYPE 1	Align ramp to 1537A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1537</b>									<b>10</b>				<b>2</b>															
Greensboro	1541	1541A	SR-1546 (Guilford College Rd) & Hibler Rd	17	58				5				1													TYPE 1 MOD	Align ramp to 1541B, as per design.	
Greensboro	1541	1541B	SR-1546 (Guilford College Rd) & Hibler Rd	17	58				5	8.34			1		3											TYPE 1 MOD	Curve sidewalk and realign ramp to 1541A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1541</b>									<b>10</b>	<b>8.34</b>			<b>2</b>		<b>3</b>													
Greensboro	1565	1565B	SR-2136 (Fleming Rd) & Kacey Meadows Dr	15	43				10				1													TYPE 1	Align ramp to 1565A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1565</b>									<b>10</b>				<b>1</b>															
Greensboro	1569	1569A	SR-2137 (Old Oak Ridge Rd) & Knightwood Dr	15	41				5				1													TYPE 1 MOD	Align ramp to 1569B, as per design.	
Greensboro	1569	1569B	SR-2137 (Old Oak Ridge Rd) & Knightwood Dr	15	41				5				1													TYPE 1 MOD	Align ramp to 1569A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1569</b>									<b>10</b>				<b>2</b>															
Greensboro	1637	1637A	SR-2136 (Fleming Rd) & Northlake Dr	15	44				10				1													TYPE 1 MOD	Align the ramp to 1637B, as per design.	
Greensboro	1637	1637B	SR-2136 (Fleming Rd) & Northlake Dr	15	44				10				1													TYPE 1 MOD	Square up the guy wire for 6' clearance? Contact DDC to Reach out to Utility owner for providing sidewalk guy.	
<b>TOTAL FOR INTERSECTION NO. 1637</b>									<b>20</b>				<b>2</b>															
Greensboro	1638	1638A	SR-2137 (Old Oak Ridge Rd) & Oak Ridge Meadows Dr	14	39				10				1													TYPE 1	Realign ramp to 1638B, as per design.	
Greensboro	1638	1638B	SR-2137 (Old Oak Ridge Rd) & Oak Ridge Meadows Dr	14	39				10				1													TYPE 1 MOD	Realign sidewalk and ramp to 1638A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1638</b>									<b>20</b>				<b>2</b>															
Greensboro	1644	1644A	SR-2136 (Fleming Rd) & Pasquinelli Pl	22	69				5				1													TYPE 1 MOD	Align the ramp to 1644B, as per design.	
Greensboro	1644	1644B	SR-2136 (Fleming Rd) & Pasquinelli Pl	22	69				5				1													TYPE 1 MOD	Align the ramp to 1644A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1644</b>									<b>10</b>				<b>2</b>															
Greensboro	1664	1664A	SR-2136 (Fleming Rd) & Southlake Dr	15	42				15	11.12				1												REMOVAL	Remove ramp and put back sidewalk	
Greensboro	1664	1664B	SR-2136 (Fleming Rd) & Southlake Dr	15	42				5				1													TYPE 1 MOD	Align ramp to 1664 C, as per design.	
Greensboro	1664	1664C	SR-2136 (Fleming Rd) & Southlake Dr	15	42				5				1													TYPE 1 MOD	Align ramp to 1664 D, as per design.	
Greensboro	1664	1664D	SR-2136 (Fleming Rd) & Southlake Dr	15	42				15	11.12				1												REMOVAL	Remove ramp and put back sidewalk.	
<b>TOTAL FOR INTERSECTION NO. 1664</b>									<b>40</b>	<b>22.24</b>			<b>2</b>	<b>2</b>														
Greensboro	1711	1711A	SR-1008 (W Market St) & SR-2175 (Green Valley Rd)	11	25				5				1													TYPE 3 MOD	Relocate and align ramp to line up to 1711B, as per design.	
Greensboro	1711	1711B	SR-1008 (W Market St) & SR-2175 (Green Valley Rd)	11	25				10	11.12			1		8											TYPE 1 MOD	Realign sidewalk and ramp to line up to 1711A, as per design. Remove existing sidewalk and see after realignment.	
Greensboro	1711	1711C	SR-1008 (W Market St) & SR-2175 (Green Valley Rd)	11	25				10	8.34			1		3											TYPE 1	Realign sidewalk and ramp to line up to 1711D, as per design.	
Greensboro	1711	1711D	SR-1008 (W Market St) & SR-2175 (Green Valley Rd)	11	25				10				1													TYPE 1 MOD	Align ramp (best fit) to serve both ramps at 1711 C and 1711E, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1711</b>									<b>25</b>	<b>19.46</b>			<b>4</b>		<b>11</b>													
Greensboro	1712	1712A	SR-1008 (W Market St) & Homewood Av	10	24				5	11.12			1		8											TYPE 1 MOD	Realign sidewalk and ramp to line up to 1712B, as per design.	
Greensboro	1712	1712B	SR-1008 (W Market St) & Homewood Av	10	24				5				1													TYPE 1	Align warning pad to line up to 1712A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1712</b>									<b>5</b>	<b>11.12</b>			<b>2</b>		<b>8</b>													
Greensboro	1713	1713A	SR-1008 (W Market St) & E Avondale Dr	10	23				10				1													TYPE 1 MOD	Relocate & align warning pad to line up to 1713B, as per design.	
Greensboro	1713	1713B	SR-1008 (W Market St) & E Avondale Dr	10	23				10				1													TYPE 1 MOD	Relocate & align warning pad to line up to 1713A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1713</b>									<b>20</b>				<b>2</b>															
Greensboro	1714	1714A	SR-1008 (W Market St) & Starmount Dr	10	22				5				1													TYPE 1A	Provide TYPE 1 A or BEST FIT to align to ramp across the street.	
<b>TOTAL FOR INTERSECTION NO. 1714</b>									<b>5</b>				<b>1</b>															
Greensboro	1717	1717A	SR-1008 (W Market St) & West Green Ct	9	20				15				1													TYPE 1 MOD	Relocate & align warning pad to line up to 1717B, as per design.	
Greensboro	1717	1717B	SR-1008 (W Market St) & West Green Ct	9	20				15				1													TYPE 1 MOD	Relocate & align warning pad to line up to 1717A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1717</b>									<b>30</b>				<b>2</b>															
Greensboro	1718	1718A	SR-1008 (W Market St) & Dartmouth St	9	19				5				1													TYPE 1 MOD	Relocate & align warning pad to line up to 1718B, as per design.	
Greensboro	1718	1718B	SR-1008 (W Market St) & Dartmouth St	9	19				5				1													TYPE 1	Relocate & align warning pad to line up to 1718A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1718</b>									<b>10</b>				<b>2</b>															
Greensboro	1719	1719A	SR-1008 (W Market St) & Revere Dr	9	18				5				1													TYPE 1	Relocate & align warning pad to line up to 1719B, as per design.	
Greensboro	1719	1719B	SR-1008 (W Market St) & Revere Dr	9	18				5				1													TYPE 2B	Relocate & align warning pad to line up to 1719A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1719</b>									<b>10</b>				<b>2</b>															
Greensboro	1724	1724B	SR-1008 (W Market St) & Harris Teeter Entrance	9	17				15				1													TYPE 1 MOD	Relocate & align warning pad to line up to 1724A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 1724</b>									<b>15</b>				<b>1</b>															
Greensboro	1725	1725A	SR-1008 (W Market St) & Weslo Willow Dr	5	1				5	2.78			1		5											TYPE 1 MOD	Maintain 5' spacing when realigning the sidewalk.	
Greensboro	1725	1725B</																										







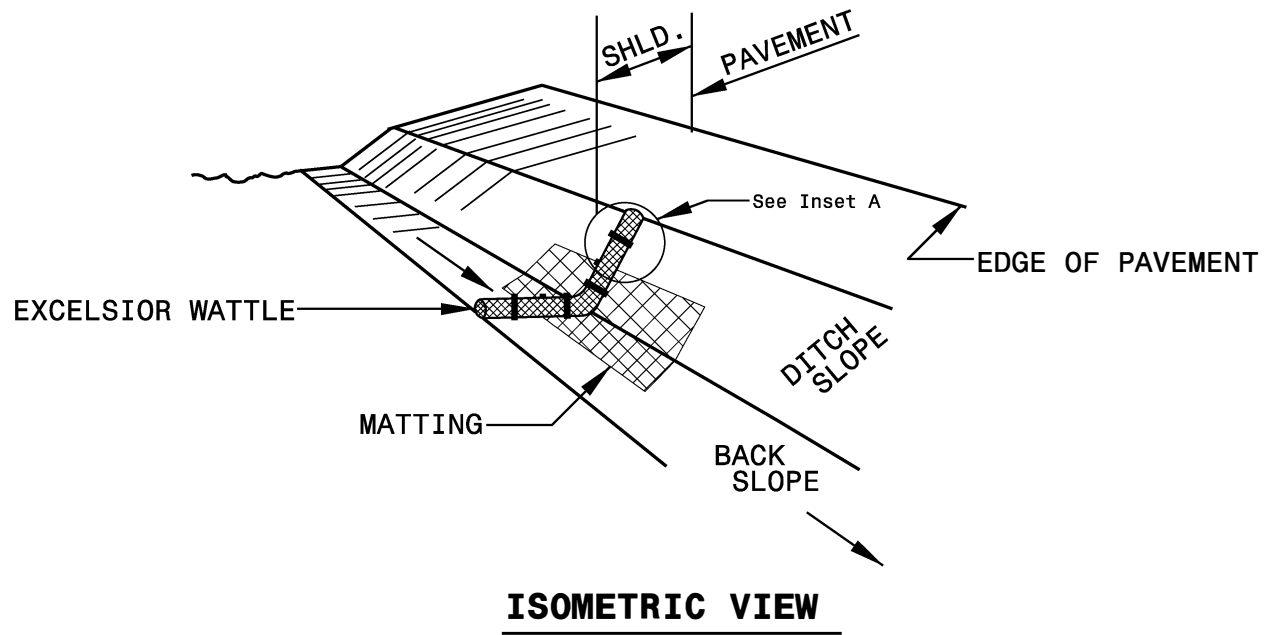


### R-5787L SUMMARY OF QUANTITIES

Municipality	INTERSECTION NO.	RAMP ID	Intersection	SHEET NO.	INSET	ASPHALT CONC. BASE COURSE, TYPE B2.5C	ASPHALT CONC. SURFACE COURSE, TYPE S9.5C	ASPHALT BINDER FOR PLANT MIX	2'-6" CONCRETE CURB AND GUTTER	4" CONCRETE SIDEWALK	CONCRETE CURB RAMPS	RETROFIT EXISTING CURB RAMPS	REMOVE & REPLACE CURB RAMPS	REMOVE & DISPOSE CURB RAMPS	REMOVE AND DISPOSE OF EXISTING SIDEWALK	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE BOXES	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	GENERIC TRAFFIC CONTROL ITEM - PEDESTRIAN TRANSPORT SERVICE	GENERIC TRAFFIC CONTROL ITEM - AUDIBLE WARNING DEVICE	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILLS)	TEMPORARY SILT FENCE	WATTLE	SEEDING & MULCHING	TYPE	NOTES	
Greensboro	2193	2193A	SR-3841 (W Market St) & Arden Pl	12	32				5				1													TYPE 4B	Align the ramp to 2193B, as per design	
Greensboro	2193	2193B	SR-3841 (W Market St) & Arden Pl	12	32				5				1													TYPE 1 MOD	Align the ramp to 2193A, as per design	
<b>TOTAL FOR INTERSECTION NO. 2193</b>									10				2															
Greensboro	2194	2194A	SR-3841 (W Market St) & Kensington Rd	12	31				5				1				1									TYPE 4B	Align the ramp to 2194B, as per design	
Greensboro	2194	2194B	SR-3841 (W Market St) & Kensington Rd	12	31				5				1													TYPE 1 MOD	Align the ramp to 2194A, as per design	
<b>TOTAL FOR INTERSECTION NO. 2194</b>									10				2				1											
Greensboro	2197	2197A	SR-3841 (W Market St) & E Greenway Dr N	12	30				5				1													TYPE 1 MOD	Align the ramp to 2197B, as per design	
Greensboro	2197	2197B	SR-3841 (W Market St) & E Greenway Dr N	12	30				5				1													TYPE 4B	Align the ramp to 2197A, as per design	
Greensboro	2197	2197C	SR-3841 (W Market St) & E Greenway Dr N	12	30				5				1													TYPE 4B	Align the ramp to 2197D, as per design	
Greensboro	2197	2197D	SR-3841 (W Market St) & E Greenway Dr N	12	30				5				1													TYPE 1 MOD	Align the ramp to 2197C, as per design	
<b>TOTAL FOR INTERSECTION NO. 2197</b>									20				4															
Greensboro	2198	2198A	SR-3841 (W Market St) & W Greenway Dr S	12	29				5				1													TYPE 4B	Align the ramp to 2198B, as per design	
Greensboro	2198	2198B	SR-3841 (W Market St) & W Greenway Dr S	12	29				5				1													TYPE 1 MOD	Align the ramp to 2198A, as per design	
Greensboro	2198	2198C	SR-3841 (W Market St) & W Greenway Dr S	12	29				5				1													TYPE 1 MOD	Align the ramp to 2198D, as per design	
Greensboro	2198	2198D	SR-3841 (W Market St) & W Greenway Dr S	12	29				5				1													TYPE 4B	Align the ramp to 2198C, as per design	
<b>TOTAL FOR INTERSECTION NO. 2198</b>									20				4															
Greensboro	2199	2199A	SR-3841 (W Market St) & Ridgeway Dr	11	28				5				1													TYPE 1 MOD	Align the ramp to 2199B, as per design	
Greensboro	2199	2199B	SR-3841 (W Market St) & Ridgeway Dr	11	28				5				1													TYPE 1 MOD	Align the ramp to 2199A, as per design	
<b>TOTAL FOR INTERSECTION NO. 2199</b>									10				2															
Greensboro	2201	2201A	SR-3841 (W Market St) & S Lindell Rd	11	27				15				1													TYPE 1	Realign ramp to 2201B, as per design.	
Greensboro	2201	2201B	SR-3841 (W Market St) & S Lindell Rd	11	27				10				1													TYPE 1	Realign ramp to 2201A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 2201</b>									25				2															
Greensboro	2202	2202A	SR-3841 (W Market St) & RMP-4267 (N Lindell Rd)	11	26								1													TYPE 1	Realign ramp to 2202B, as per design. Maintain ramp with existing crosswalk limits	
Greensboro	2202	2202D	SR-3841 (W Market St) & RMP-4267 (N Lindell Rd)	11	26				5				1													TYPE 1	Realign ramp to 2202D, as per design. Maintain ramp with existing crosswalk limits	
<b>TOTAL FOR INTERSECTION NO. 2202</b>									5				2															
Greensboro	2205	2205A	SR-3841 (W Market St) & RMP-6425 (N Aycock St NB Off Ramp)	13	35				10				1													TYPE 1 MOD	Curve the sidewalk and align ramp to 2205B, as per design.	
Greensboro	2205	2205B	SR-3841 (W Market St) & RMP-6425 (N Aycock St NB Off Ramp)	13	35				10				1													TYPE 1A	Align the sidewalk and ramp to 2205A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 2205</b>									20				2															
Greensboro	2206	2206A	SR-3841 (W Market St) & Hillcrest Dr	13	36				5				1													TYPE 1 MOD	Align the sidewalk and ramp to 2206B, as per design.	
Greensboro	2206	2206B	SR-3841 (W Market St) & Hillcrest Dr	13	36				10				1													TYPE 1 MOD	Align the sidewalk and ramp to 2206A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 2206</b>									15				2															
Greensboro	2266	2266A	SR-4126 (Bridford Pkwy) & SR-1546 (Guilford College Rd)	19	59				5				1													TYPE 3 MOD	Maintain all ramps within existing sidewalk	
Greensboro	2266	2266B	SR-4126 (Bridford Pkwy) & SR-1546 (Guilford College Rd)	19	59				5				1													TYPE 3 MOD	Maintain all ramps within existing sidewalk	
Greensboro	2266	2266C	SR-4126 (Bridford Pkwy) & SR-1546 (Guilford College Rd)	19	59				5				1													TYPE 2B	Maintain all ramps within existing sidewalk	
<b>TOTAL FOR INTERSECTION NO. 2266</b>									15				3															
High Point	2276	2276A	SR-4187 (Piedmont Pkwy) & Cross Inc. Entrance	22	71				5				1													TYPE 1	Align the ramp to 2276B, as per design.	
High Point	2276	2276B	SR-4187 (Piedmont Pkwy) & Cross Inc. Entrance	22	71				5				1													TYPE 1	Align the ramp to 2276A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 2276</b>									10				2															
Greensboro	2311	2311A	SR-5002 (Boulder Rd) & Entrance to Gasoline Storage Tank field	21	65				5				1													TYPE 1 MOD	Align the ramp to 2311B.	
Greensboro	2311	2311B	SR-5002 (Boulder Rd) & Entrance to Gasoline Storage Tank field	21	65				5				1													TYPE 1 MOD	Align the ramp to 2311A.	
<b>TOTAL FOR INTERSECTION NO. 2311</b>									10				2															
Greensboro	2358	2358A	SR-1546 (College Rd) & Tomahawk Dr	18	55							1														RETROFIT	Remove existing warning domes and install new domes as per TYPE 1 detail	
Greensboro	2358	2358B	SR-1546 (College Rd) & Tomahawk Dr	18	55							1														RETROFIT	Remove existing warning domes and install new domes as per TYPE 1 detail	
<b>TOTAL FOR INTERSECTION NO. 2358</b>													2															
Greensboro	2398	2398A	SR-1546 (Guilford College Rd) & Wendy Ct	18	56				10				1													TYPE 1	Align ramps to 2398B, as per design.	
Greensboro	2398	2398B	SR-1546 (Guilford College Rd) & Wendy Ct	18	56				10				1													TYPE 1	Align ramps to 2398A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 2398</b>									20				2															
Greensboro	3057	3057A	SR-2136 (Fleming Rd) & Bledsoe Dr.	16	48				10				1													TYPE 3	Upgrade the ramp and align to 3057D. Place ramp in HI-VIS crosswalk limits.	
Greensboro	3057	3057D	SR-2136 (Fleming Rd) & Bledsoe Dr.	16	48				5	11.12			1		10											TYPE 1A	Realign sidewalk and ramp to 3057A, as per design. Remove existing and add additional sidewalk, as necessary. Place ramp in HI-VIS crosswalk limits.	
<b>TOTAL FOR INTERSECTION NO. 3057</b>									15	11.12			2		10													
Greensboro	3059	3059A	SR-1008 (W Market St) & Fanta City Shopping Center entrance	7	10								1													TYPE 1 MOD	Relocate & align the ramp to 3059B, as per design.	
Greensboro	3059	3059B	SR-1008 (W Market St) & Fanta City Shopping Center entrance	7	10								1													TYPE 1 MOD	Relocate & align the ramp to 3059A, as per design.	
<b>TOTAL FOR INTERSECTION NO. 3059</b>													2															
Greensboro	3060	3060A	SR-1008 (W Market St) & Dollar General entrance	7	11								1													TYPE 1 MOD	Provide TYPE 1 MOD directional ramp, as per design.	
<b>TOTAL FOR INTERSECTION NO. 3060</b>													1															
<b>Grand Total</b>									1	94	6	1155	258.51	1	4	171	11	257	1	2	110	1	374	20	90	1870	1870	3

SUBTOTAL OF ALL RAMPS	187
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# WATTLE DETAIL



**NOTES:**

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

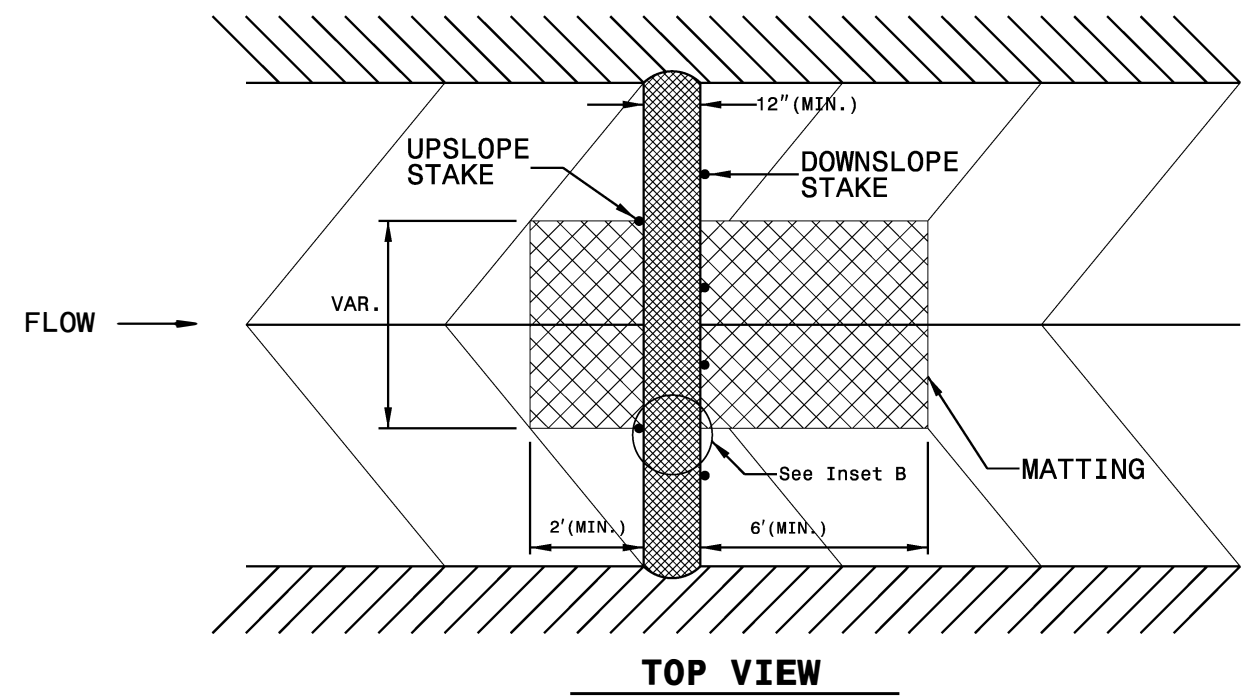
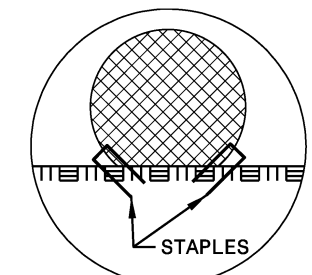
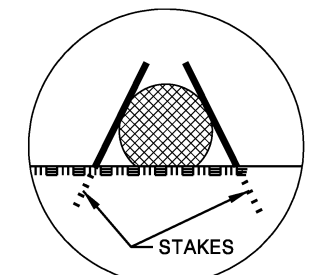
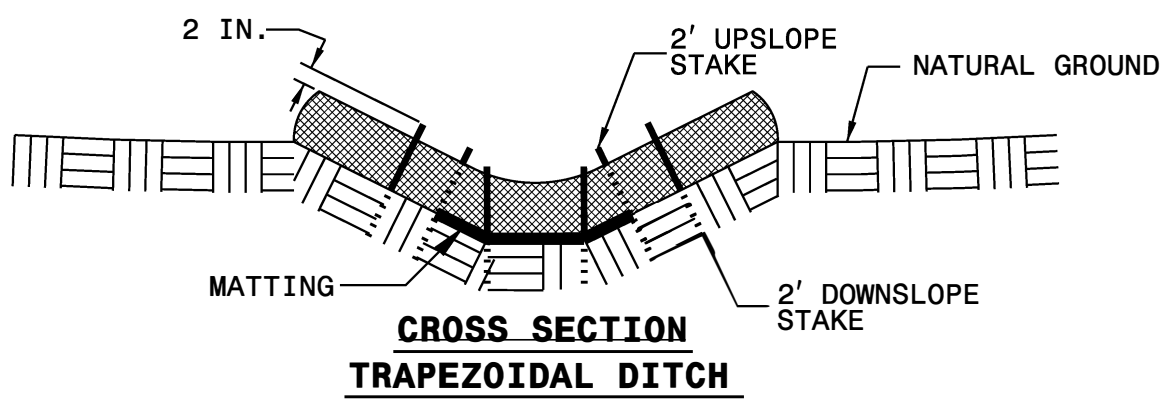
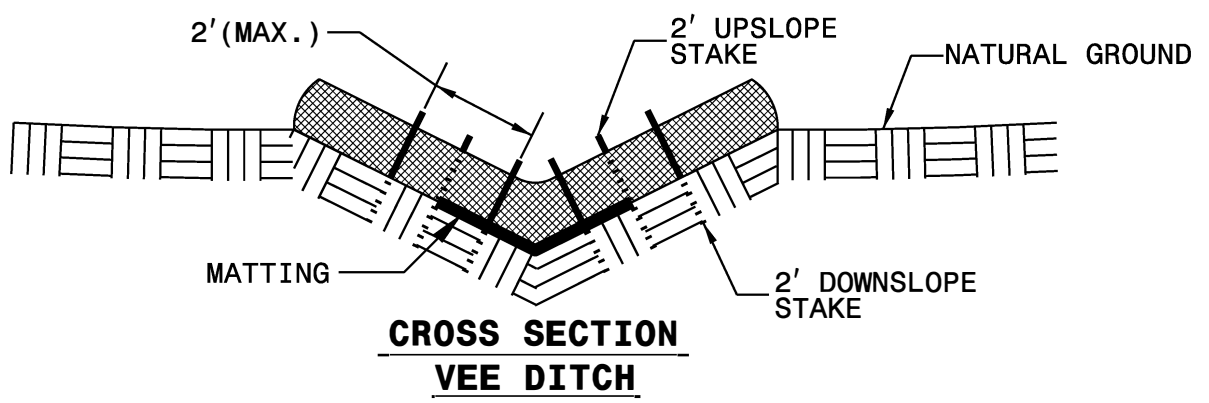
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

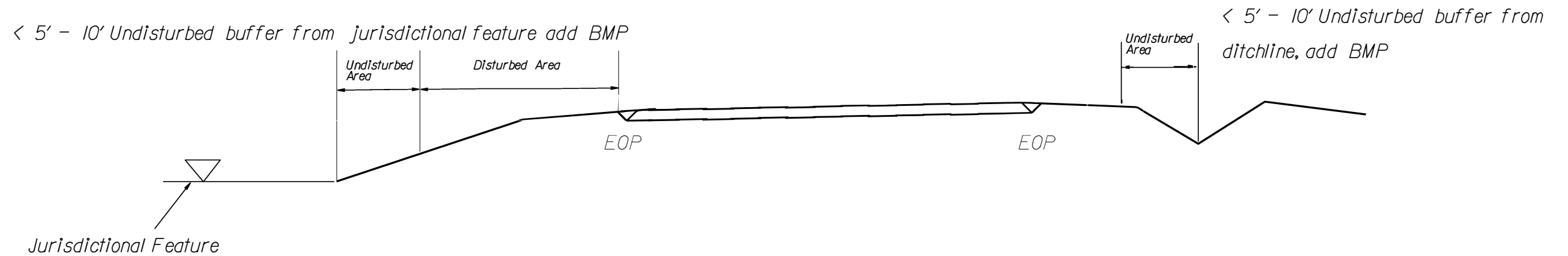
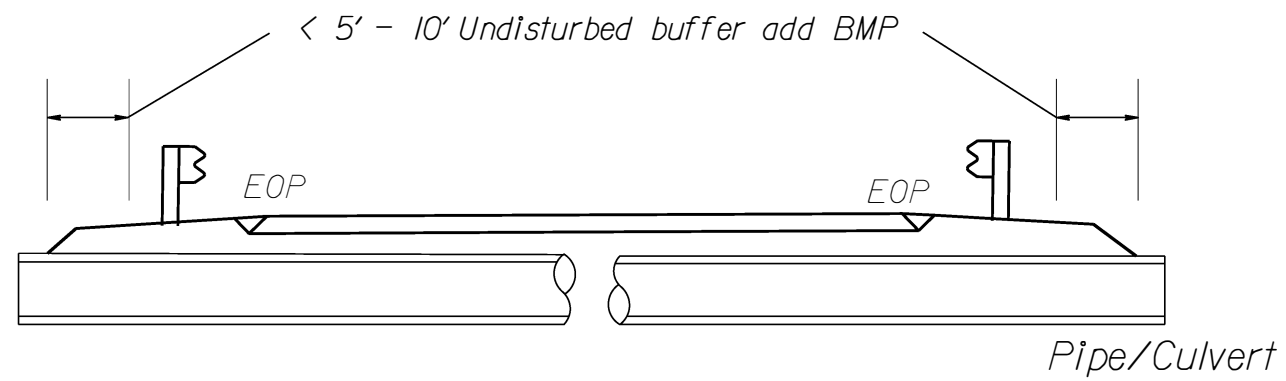
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



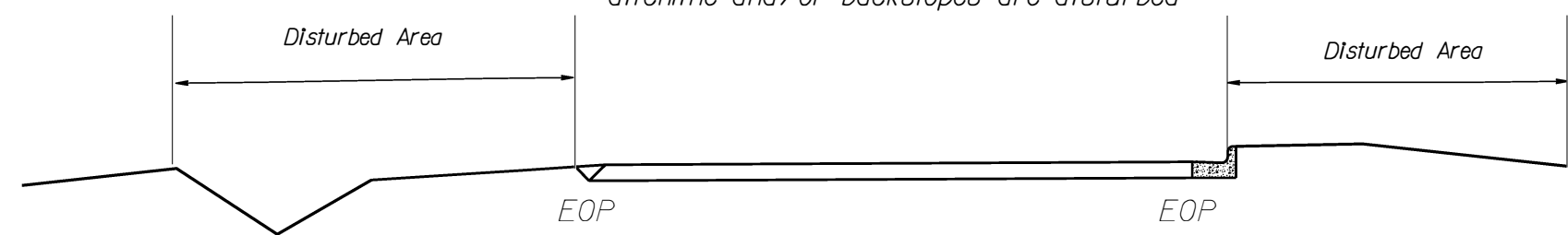
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

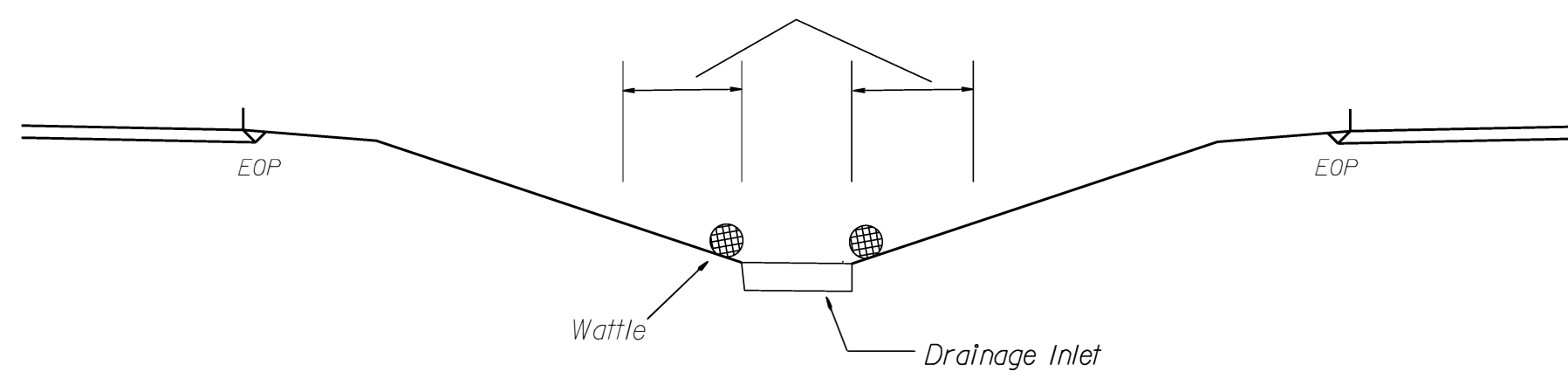
# EROSION CONTROL DETAIL



Use BMP's if berms, shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

DIVISION OF HIGHWAYS  
STATE OF NORTH CAROLINA

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## ***SOIL STABILIZATION TIMEFRAMES***

SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY  
WITH THE REGULATIONS SET FORTH BY THE  
NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011  
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND  
NATURAL RESOURCES DIVISION OF WATER QUALITY.