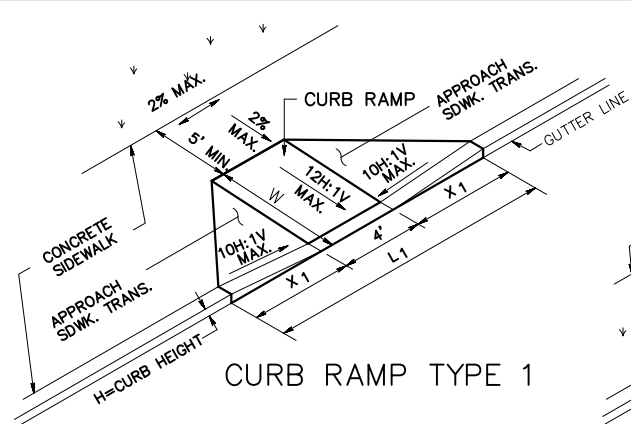
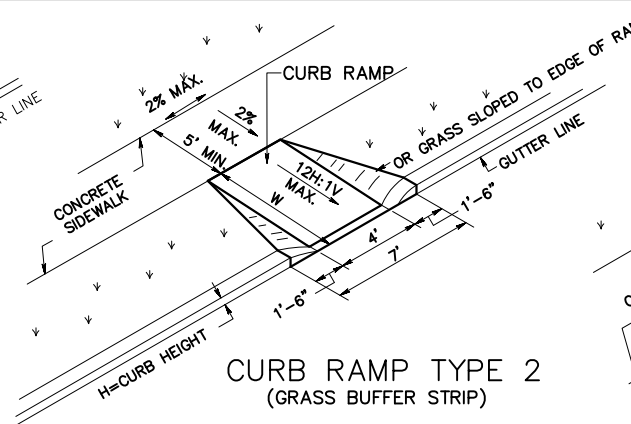


DETECTABLE WARNING SURFACE

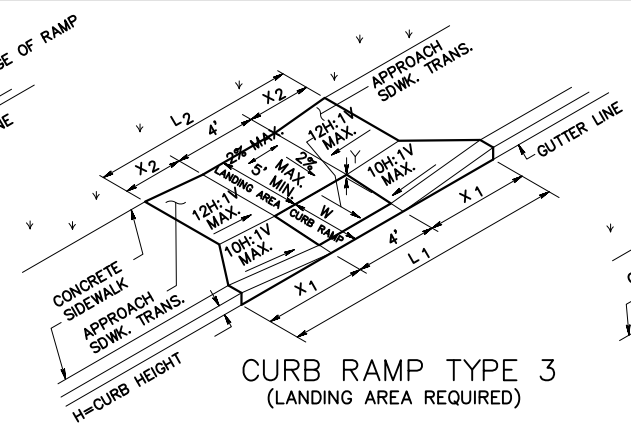
CD-607-1.1



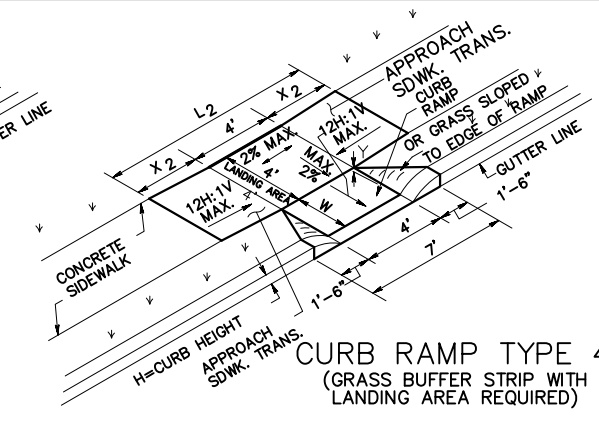
CURB RAMP TYPE 1



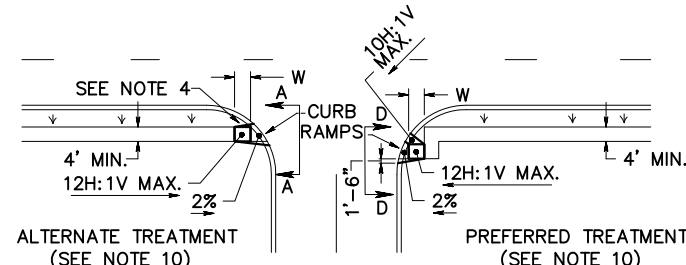
**CURB RAMP TYPE 2
(GRASS BUFFER STRIP)**



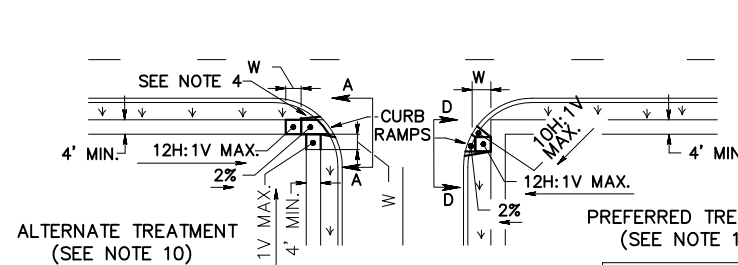
**CURB RAMP TYPE 3
(LANDING AREA REQUIRED)**



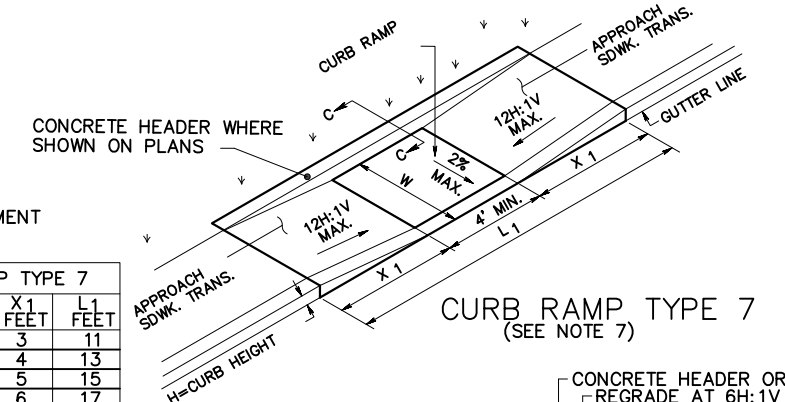
**CURB RAMP TYPE 4
(GRASS BUFFER STRIP WITH LANDING AREA REQUIRED)**



**CURB RAMP TYPE 5
(CROSSING PARALLEL TO HIGHWAY ONLY)**



**CURB RAMP TYPE 6
(CROSSING PARALLEL TO HIGHWAY ONLY)**



**CURB RAMP TYPE 7
(SEE NOTE 7)**

CURB RAMP TYPE 7			
W FEET	H INCHES	X1 FEET	L1 FEET
4 MIN.	3	3	11
6 MAX.	4	4	13
	5	5	15
	6	6	17
	7	7	19
	8	8	21
	9	9	23

- GENERAL NOTES:**
- LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
 - DIMENSIONS SHOWN IN TABLES ARE FOR RELATIVELY FLAT SIDEWALK AREAS. CARE SHOULD BE TAKEN WHEN DETERMINING CURB RAMP SIZE BASED ON CURB HEIGHT (H) WHERE ELEVATION OF CURB AND SIDEWALK VARY DRASTICALLY IN AREA OF PROPOSED CURB RAMP.
 - CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMP.
 - FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.
 - SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
 - CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
 - WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, CURB RAMP TYPE 7 SHOULD BE USED, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.
 - THE PUBLIC SIDEWALK CURB RAMP, DETECTABLE WARNING SURFACE (SHADED AREA) SHALL BE SAFETY RED COLOR ON CONCRETE OR 70% COLOR CONTRAST FOR OTHER SURFACE SUCH AS BRICK.
 - CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
 - PREFERRED TREATMENT SHOULD ALWAYS BE USED UNLESS APPROVAL IS GIVEN BY ENGINEER FOR USE OF ALTERNATE TREATMENT.
 - DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMPS WILL HAVE TO BE CALCULATED BASED ON CROSS SLOPES SHOWN.
 - THESE STANDARD CONSTRUCTION DETAILS ARE REQUIRED TO BE INCORPORATED INTO SITE SPECIFIC CONSTRUCTION DETAILS FOR EACH RAMP LOCATION, DESIGNED BY A PROFESSIONAL ENGINEER, AND INCLUDE THE FOLLOWING: SPOT ELEVATIONS AT ALL KEY LOCATIONS WITHIN THE RAMPS, SLOPES OF ALL SURFACES WITHIN AND ADJACENT TO THE RAMPS, DIMENSIONS OF ALL RAMP COMPONENTS, AND DRAWN AT A SCALE ACCEPTABLE TO BERGEN COUNTY.
 - ALL INSTALLED CURB RAMPS WILL BE CHECKED WITH AN ELECTRONIC SMART LEVEL FOR STRICT COMPLIANCE WITH REQUIRED SLOPES. PAYMENT WILL NOT BE MADE FOR RAMPS NOT IN COMPLIANCE.

CD-607-1

NEW JERSEY DEPARTMENT OF TRANSPORTATION
STANDARD CONSTRUCTION DETAILS
PUBLIC SIDEWALK CURB RAMPS
DETECTABLE WARNING SURFACE

AS REVISED BY BERGEN COUNTY
10/2011

N.T.S.

CURB RAMP TYPE 1			
H INCHES	X1 FEET	L1 FEET	W FEET
3	2.5	9.0	3
4	3.3	10.6	4
5	4.2	12.4	5
6	5.0	14.0	6
7	5.8	15.6	7
8	6.7	17.4	8
9	7.5	19.0	9

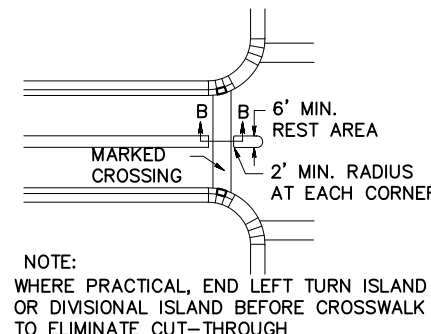
CURB RAMP TYPE 2, 5 OR 6	
H INCHES	W FEET
3	3
4	4
5	5
6	6
7	7
8	8
9	9

CURB RAMP TYPE 3						
W FEET	H INCHES	X1 FEET	L1 FEET	Y INCHES	X2 FEET	L2 FEET
2.5	3	2.5	9.0	2.5	0.5	5
	4	3.3	10.6	2.5	1.5	7
	5	4.2	12.4	2.5	2.5	9
	6	5.0	14.0	2.5	3.5	11
	7	5.8	15.6	2.5	4.5	13
	8	6.7	17.4	2.5	5.5	15
3.0	3	*	*	*	*	*
	4	3.3	10.6	3.0	1	6
	5	4.2	12.4	3.0	2	8
	6	5.0	14.0	3.0	3	10
	7	5.8	15.6	3.0	4	12
	8	6.7	17.4	3.0	5	14
3.5	3	*	*	*	*	*
	4	3.3	10.6	3.5	0.5	5
	5	4.2	12.4	3.5	1.5	7
	6	5.0	14.0	3.5	2.5	9
	7	5.8	15.6	3.5	3.5	11
	8	6.7	17.4	3.5	4.5	13
4.0	3	*	*	*	*	*
	4	*	*	*	*	*
	5	4.2	12.4	4.0	1	6
	6	5.0	14.0	4.0	2	8
	7	5.8	15.6	4.0	3	10
	8	6.7	17.4	4.0	4	12
9	7.5	19.0	4.0	5	14	

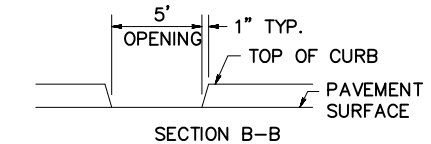
CURB RAMP TYPE 4				
W FEET	H INCHES	Y INCHES	X2 FEET	L2 FEET
2.5	3	2.5	0.5	5
	4	2.5	1.5	7
	5	2.5	2.5	9
	6	2.5	3.5	11
	7	2.5	4.5	13
	8	2.5	5.5	15
3.0	3	**	**	**
	4	3.0	1	6
	5	3.0	2	8
	6	3.0	3	10
	7	3.0	4	12
	8	3.0	5	14
3.5	3	**	**	**
	4	3.5	0.5	5
	5	3.5	1.5	7
	6	3.5	2.5	9
	7	3.5	3.5	11
	8	3.5	4.5	13
4.0	3	**	**	**
	4	**	**	**
	5	4.0	1	6
	6	4.0	2	8
	7	4.0	3	10
	8	4.0	4	12
9	4.0	5	14	

* TYPE 3 RAMP IS NOT APPLICABLE, USE TYPE 1.

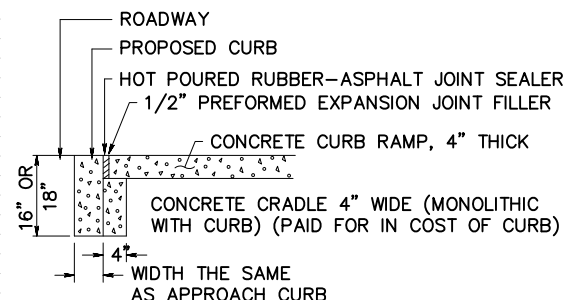
** TYPE 4 RAMP IS NOT APPLICABLE, USE TYPE 2.



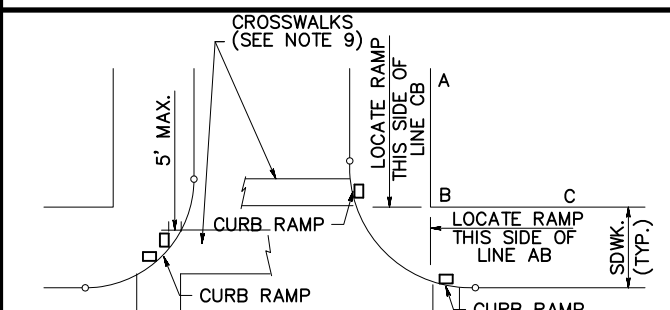
ISLAND WALKWAY OPENING AT INTERSECTIONS



NOTE:
5' WIDE OPENING TO BE FLUSH WITH ROADWAY PAVEMENT

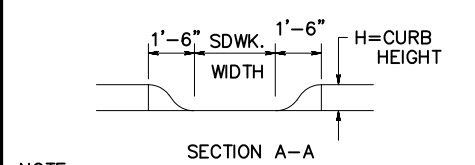


DROPPED CURB AND CRADLE

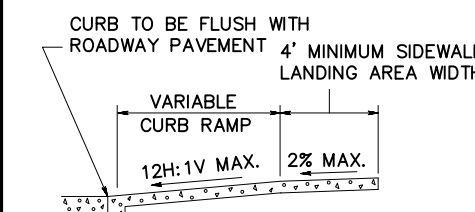
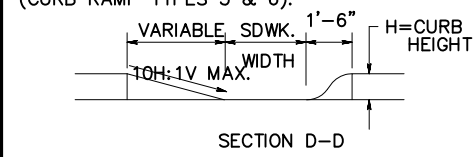


ALTERNATE TREATMENT (SEE NOTE 10) PREFERRED TREATMENT (SEE NOTE 10)

LOCATION OF CURB RAMP TYPES 1, 2, 3, 4 & 7 FOR CROSSING PARALLEL AND PERPENDICULAR TO HIGHWAY



NOTE:
CURB RAMP OPENING TO BE FLUSH WITH ROADWAY PAVEMENT (CURB RAMP TYPES 5 & 6).



SECTION THROUGH CURB RAMPS 1 THROUGH 6

BDC03D-06 - MAJOR CHANGES TO ALL DETAILS RECORDED - ORIGINAL SHEET

CD-607-1.2