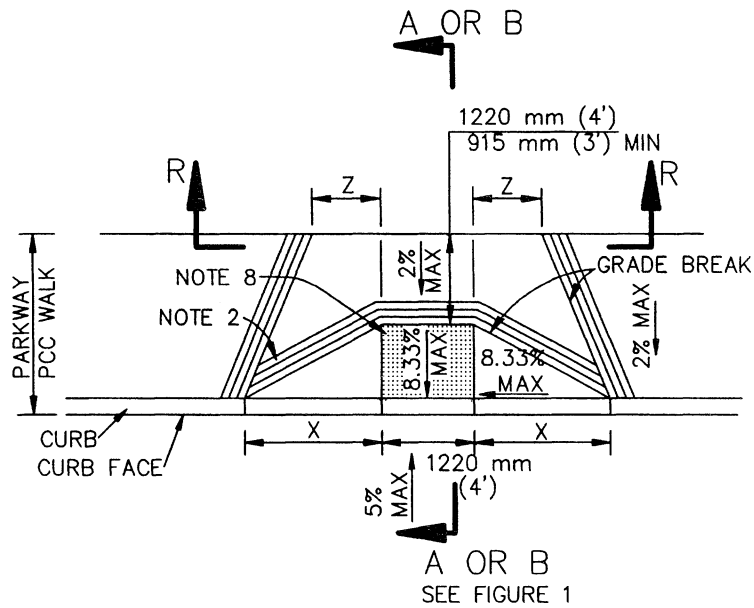


TYPE 1



TYPE 2

CASE A

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1992
REV. 1996, 2000, 2005

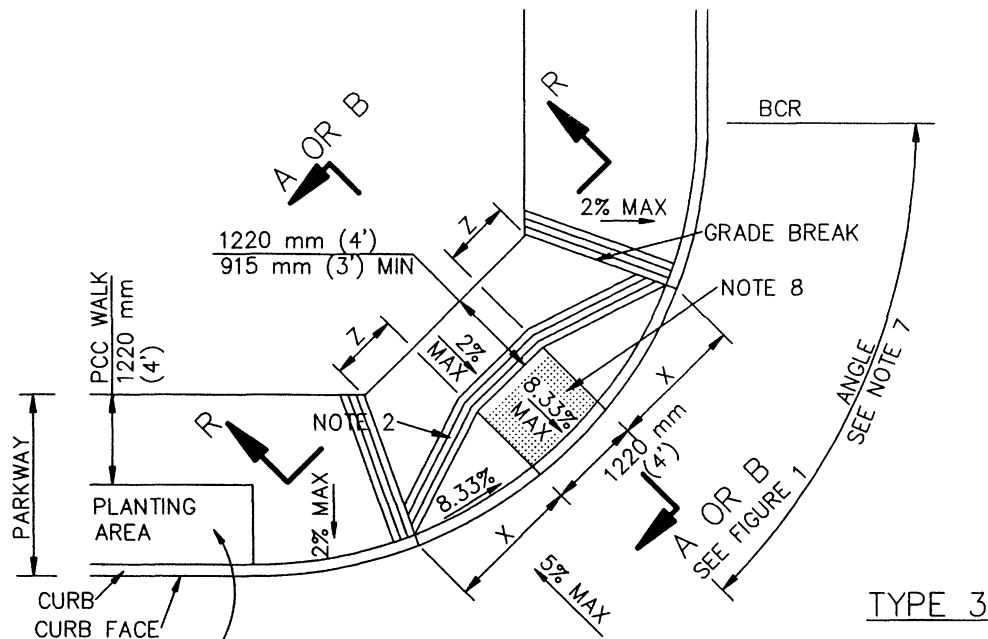
CURB RAMP

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN
METRIC

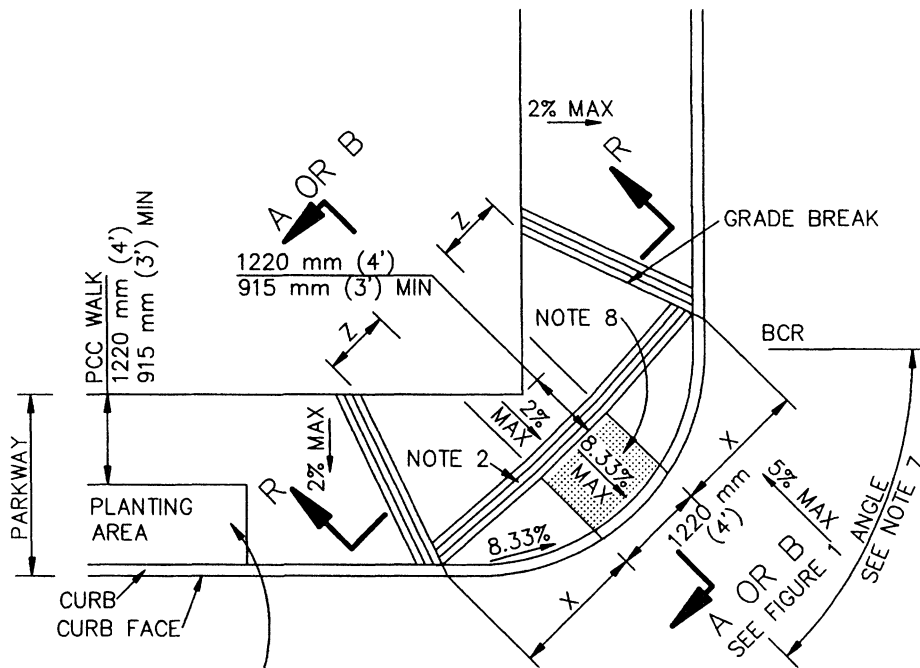
111-3

SHEET 1 OF 10



TYPE 3

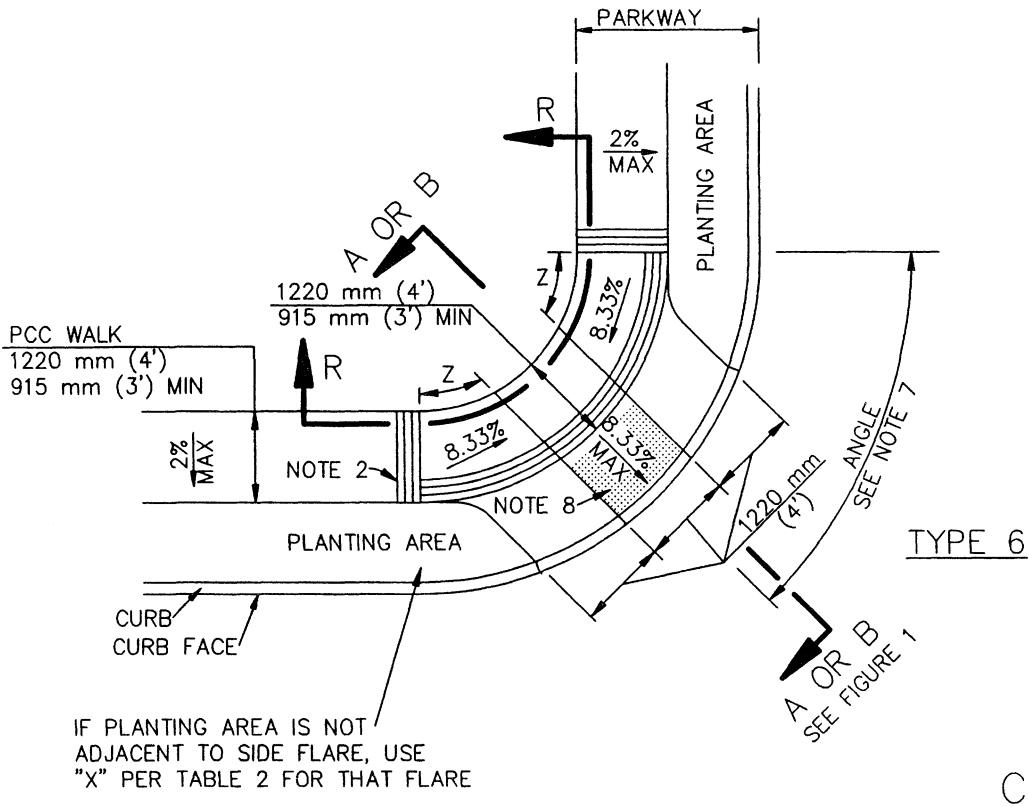
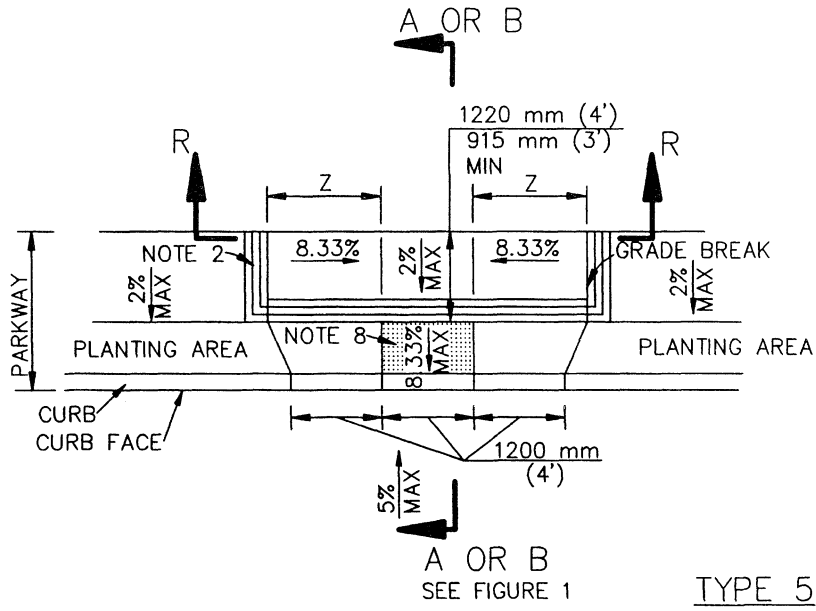
WHERE PLANTING AREA IS
ADJACENT TO THE CURB RAMP,
USE CASE A, TYPE 6

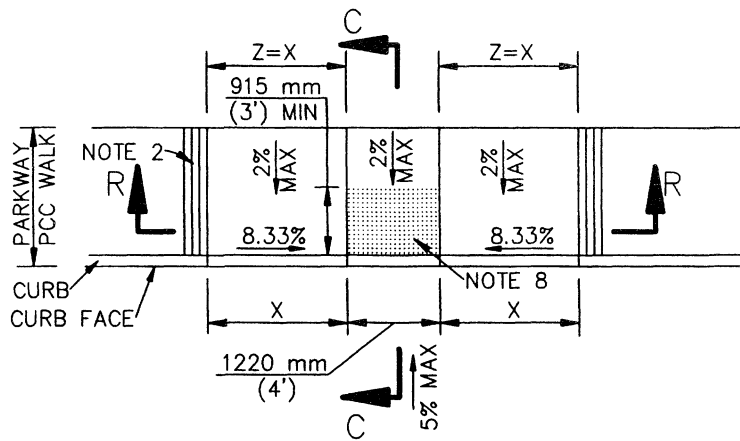


TYPE 4

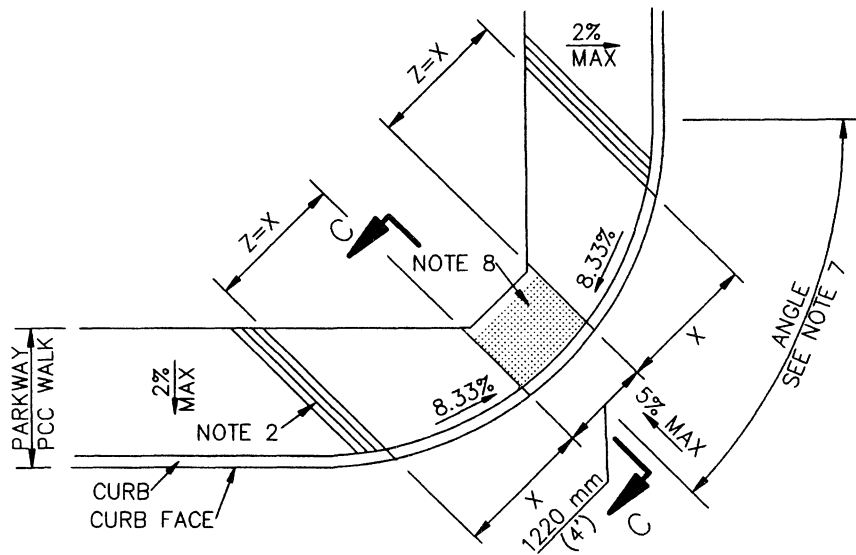
WHERE PLANTING AREA IS
ADJACENT TO THE CURB RAMP,
USE CASE A, TYPE 6

CASE A





TYPE 1



TYPE 2

CASE B

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

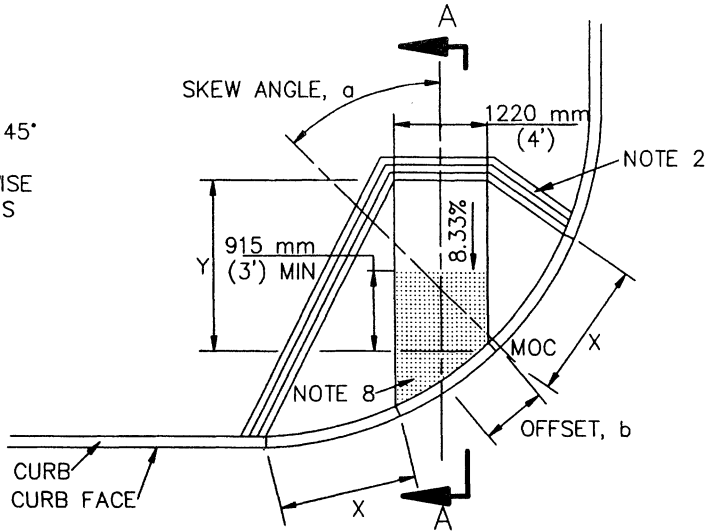
CURB RAMP

STANDARD PLAN
METRIC

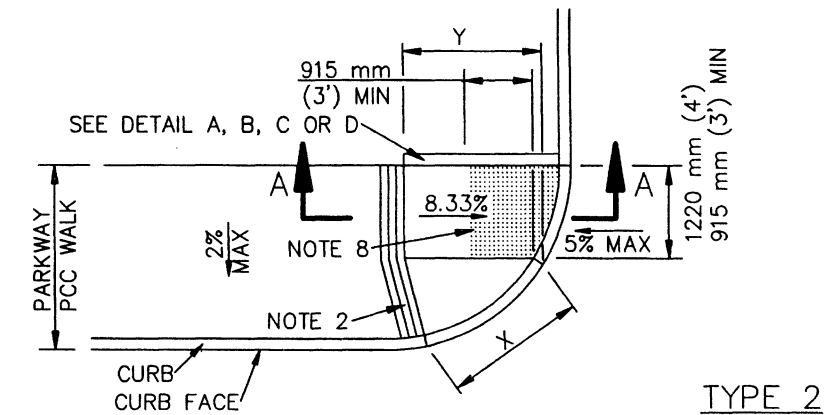
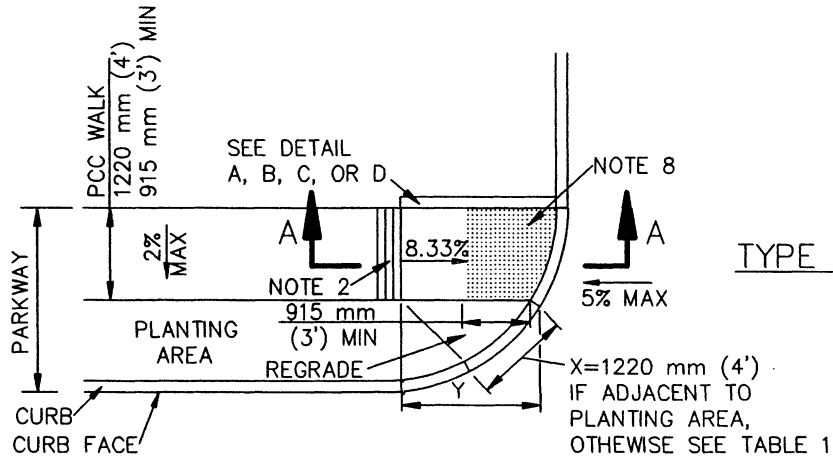
111-3

SHEET 4 OF 10

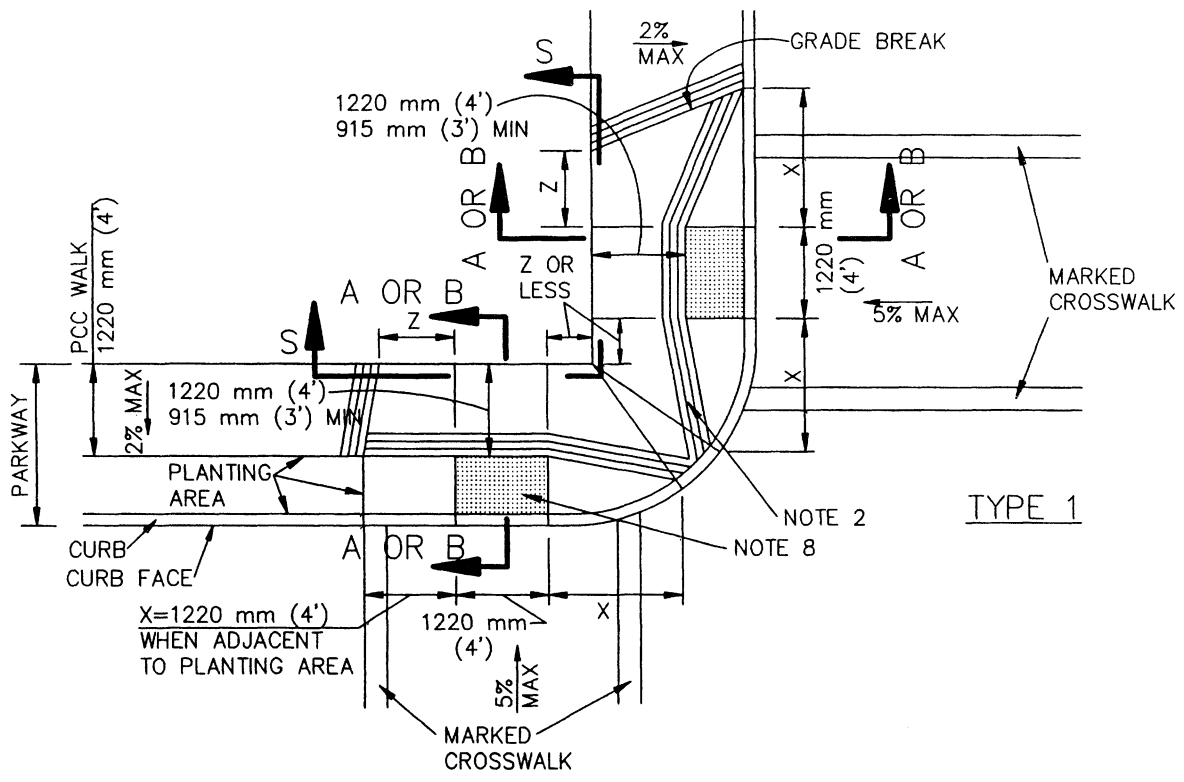
SKEW ANGLE $\alpha=45^\circ$
 OFFSET $b=0$
 UNLESS OTHERWISE
 NOTED ON PLANS



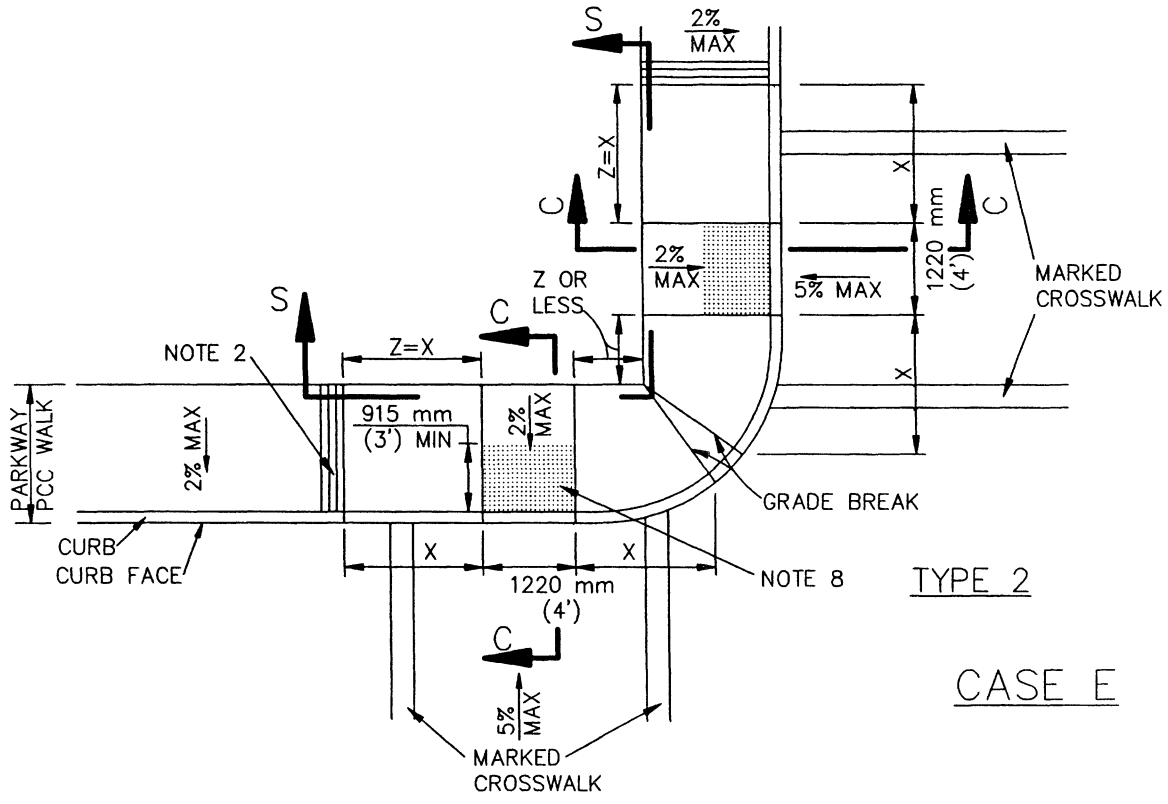
CASE C



CASE D

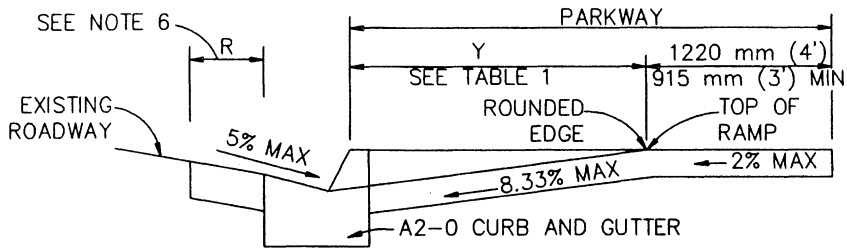


TYPE 1



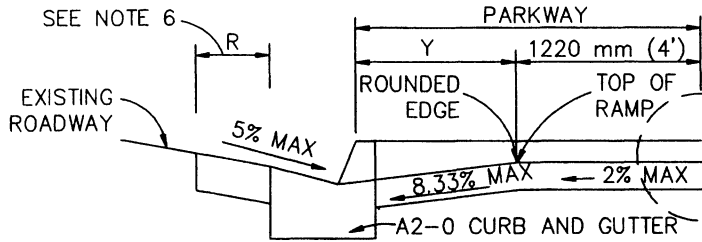
TYPE 2

CASE E



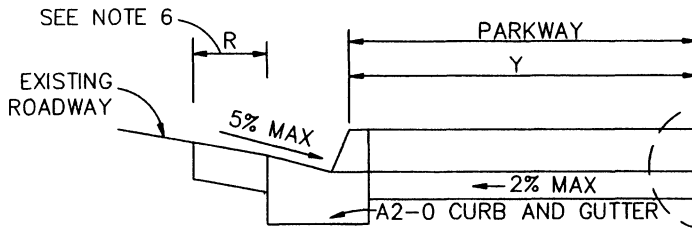
SECTION A-A

USE FIGURE 1 TO DETERMINE WHICH OF SECTIONS A-A, B-B OR C-C IS APPROPRIATE.



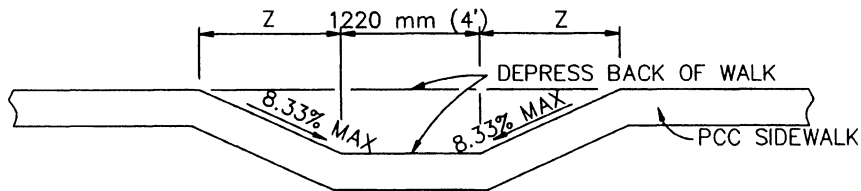
SECTION B-B

DEPRESS BACK OF WALK SEE DETAIL A, B, C OR D, SHEET 10.

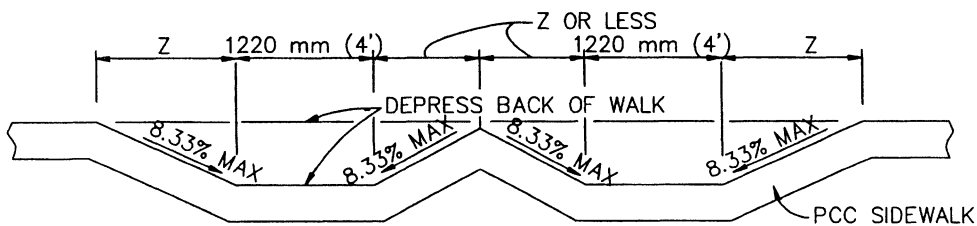


SECTION C-C

DEPRESS BACK OF WALK SEE DETAIL A, B, C OR D, SHEET 10.



SECTION R-R



SECTION S-S

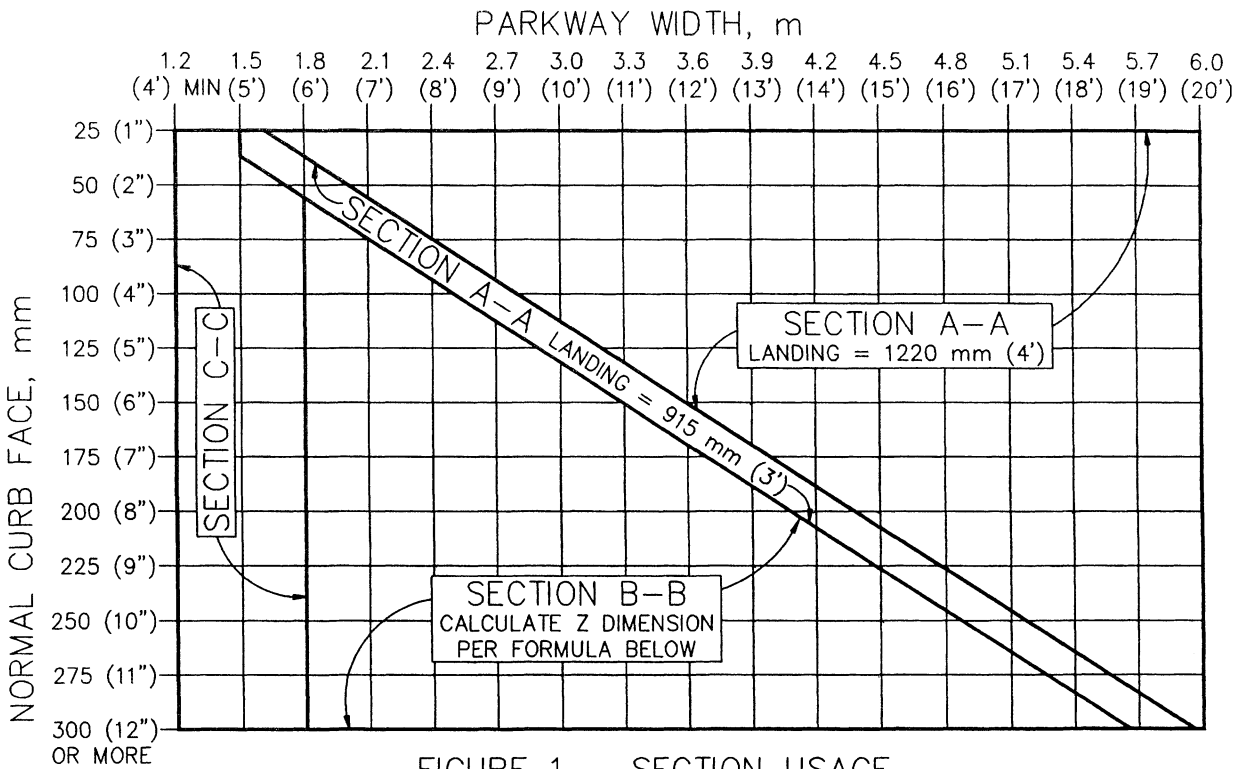


FIGURE 1 - SECTION USAGE

NORMAL CURB FACE, mm (INCHES)	X, mm (FT)	SECTION Y-Y Y, mm (FT)
50 (2'')	1200 (4.00') MIN	790 (2.63')
75 (3'')	1200 (4.00') MIN	1185 (3.95')
100 (4'')	1200 (4.00')	1580 (5.26')
125 (5'')	1500 (5.00')	1975 (6.58')
150 (6'')	1800 (6.00')	2370 (7.90')
175 (7'')	2100 (7.00')	2765 (9.21')
200 (8'')	2400 (8.00')	3160 (10.53')
225 (9'')	2700 (9.00')	3555 (11.84')
250 (10'')	3000 (10.00')	3950 (13.16')
275 (11'')	3300 (11.00')	4340 (14.47')
300 (12'')	3600 (12.00')	4735 (15.79')

WHERE FIGURE 1 SHOWS USE OF SECTION B-B, FIGURE Z DIMENSION AS FOLLOWS:

W = PARKWAY WIDTH

L = LANDING WIDTH, 1220 mm (4') TYP, 915 mm (3') MIN

$$Z = [(Y+L)-W] \times 0.760$$

IF $(Y+L) < W$, THEN $Z = 0$

TABLE 1 SHOWS X FOR A FLARE SLOPE OF 8.33% AT THE CURB FACE. IF L IS 1220 mm (4') OR MORE, X MAY BE MULTIPLIED BY 0.833 FOR A MAXIMUM FLARE SLOPE OF 10% AT THE CURB FACE.

SEE SHEET 9 FOR STREET SLOPE ADJUSTMENT FACTORS, ALL STREETS

TABLE 1 - X AND Y VALUES

TABLE 1 REFERENCE FORMULAS:

$$X = CF / 8.333\%$$

$$Y = CF / (8.333\% - 2\% \text{ WALK CROSS SLOPE})$$

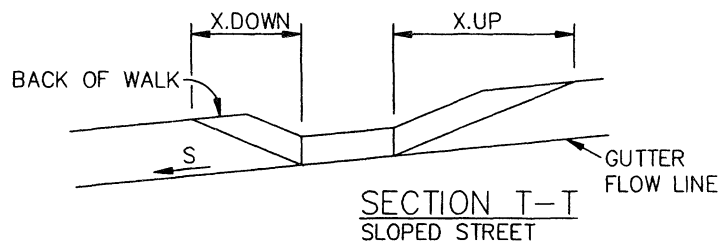
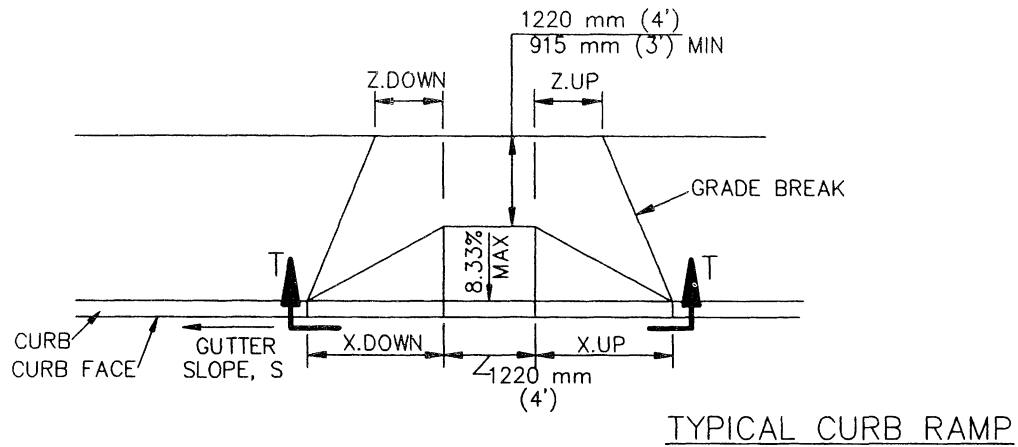
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

CURB RAMP

STANDARD PLAN METRIC

111-3

SHEET 8 OF 10



FOR SLOPED STREETS, MULTIPLY THE DIMENSIONS PARALLEL TO THE STREET, X AND Z, UPSTREAM AND DOWNSTREAM OF THE RAMP, BY THE FACTORS IN THE FOLLOWING TABLE.

FOR EXAMPLE, $X.DOWN = X \times K.DOWN$

S	K.DOWN	K.UP
0%	1.000	1.000
0.2%	0.977	1.025
0.5%	0.943	1.064
1%	0.893	1.136
2%	0.806	1.316
3%	0.735	1.563
4%	0.676	1.923
5%	0.625	2.500

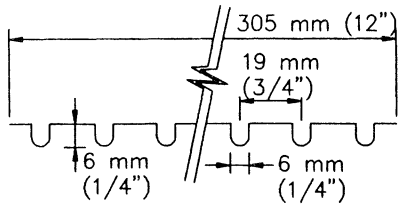
TABLE 2 - SLOPE ADJUSTMENTS

TABLE 2 REFERENCE FORMULAS:

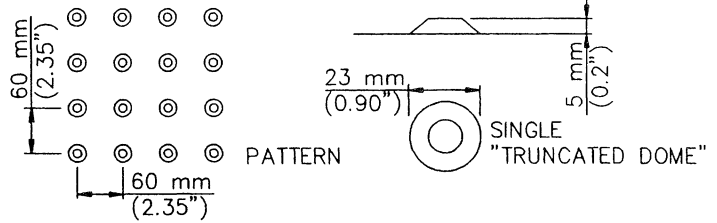
$$K.DOWN = 8.333\% / (8.333\% + S)$$

$$K.UP = 8.333\% / (8.333\% - S)$$

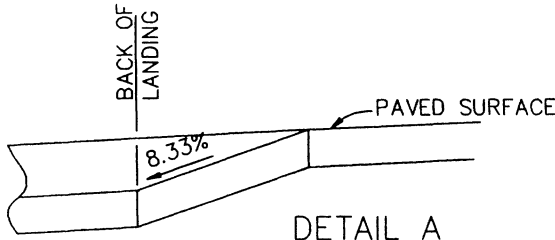
STREET SLOPE ADJUSTMENTS



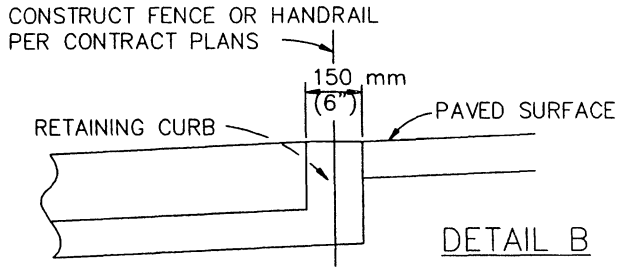
GROOVING DETAIL



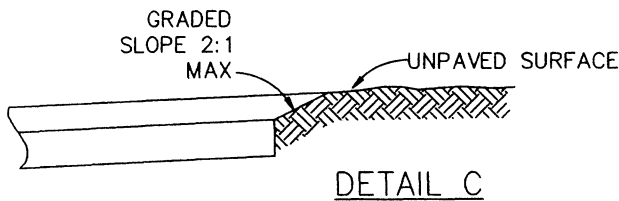
DETECTABLE WARNING DETAIL



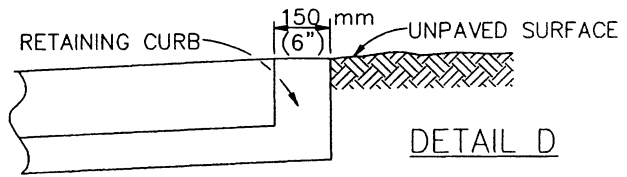
DETAIL A



DETAIL B



DETAIL C



DETAIL D

GENERAL NOTES:

1. CONCRETE SHALL BE CLASS 310-C-17 (520-C-2500) CONFORMING TO SSPWC 201-1.1.2 AND SHALL BE 100 mm (4") THICK.
2. THE RAMP SHALL HAVE A 305 mm (12") WIDE BORDER WITH 6 mm (1/4") GROOVES APPROXIMATELY 19 mm (3/4") OC. SEE GROOVING DETAIL.
3. THE RAMP SURFACE SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE CONFORMING TO SSPWC 303-1.9.
4. USE DETAIL "A" OR "B" IF EXISTING SURFACE BEHIND LANDING IS PAVED.
5. USE DETAIL "C" OR "D" IF EXISTING SURFACE BEHIND LANDING IS UNPAVED.
6. R = 900 mm (3') UNLESS OTHERWISE SHOWN ON PLAN.
7. ANGLE = $\Delta/2$ UNLESS OTHERWISE SHOWN ON PLAN.
8. CONSTRUCT DETECTABLE WARNING SURFACE PER DETAIL THIS SHEET. MATERIALS SHALL BE PER CONTRACT DOCUMENTS.