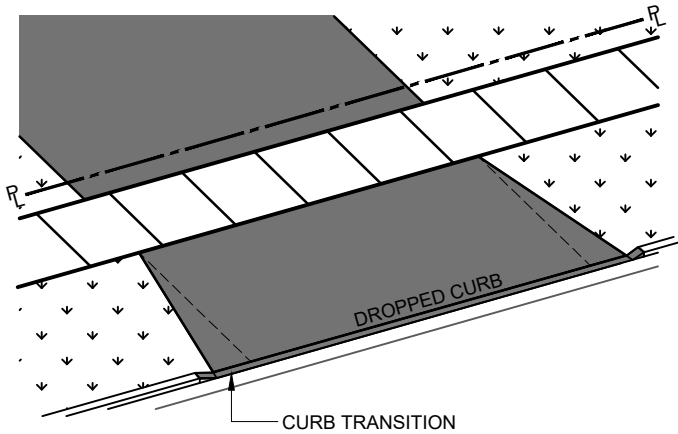


ISOMETRIC VIEW

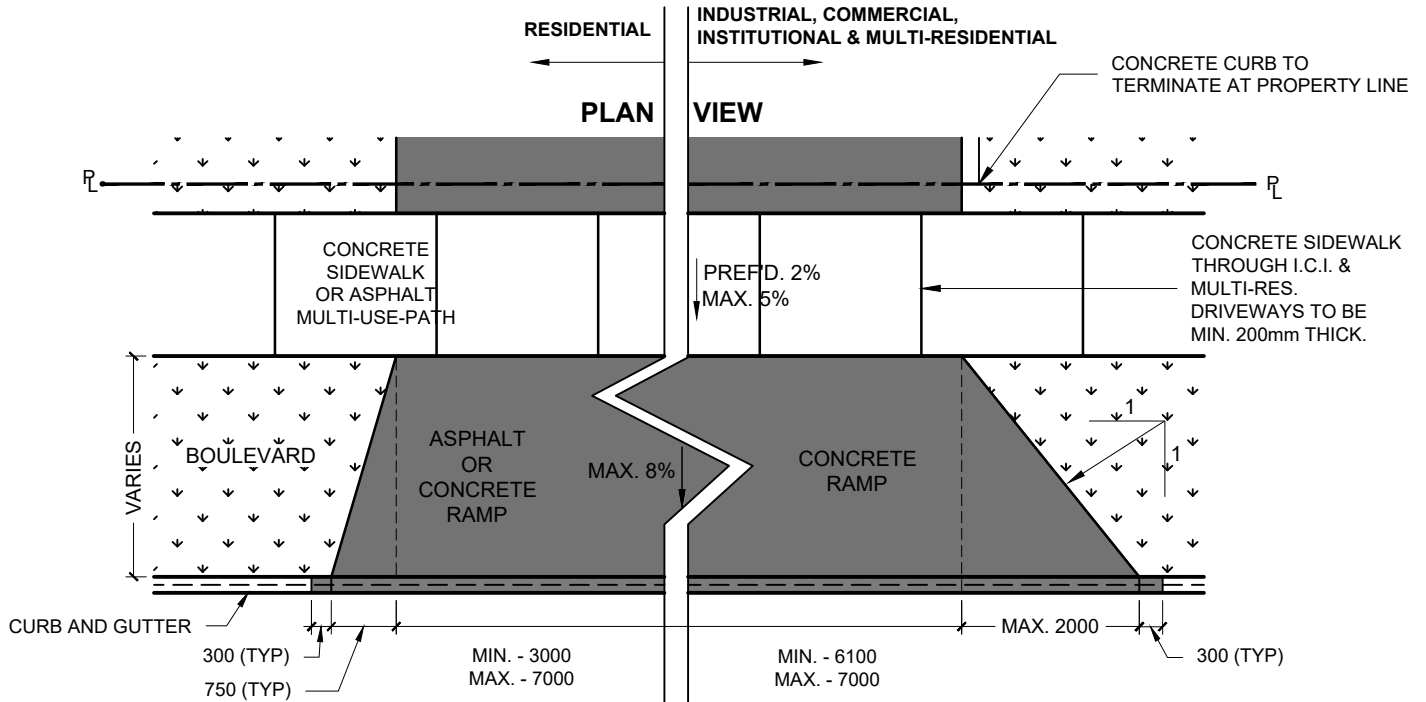


NOTES:

1. FOR CONCRETE RAMPS, EXPANSION JOINT MATERIAL SHALL BE INSTALLED AT THE BACK OF THE CONCRETE CURB AND A BOND BREAKER AT THE SIDEWALK AND RAMP INTERFACE.
2. FOR CONCRETE RAMPS A SAWCUT SHALL BE PLACED AT THE CENTRELINE OF THE DRIVEWAY RAMP AND EXTENDED THROUGH THE SIDEWALK AND CURB.
3. SAWCUTS SHALL BE PLACED IN THE SIDEWALK WHERE THE DRIVEWAY RAMP INTERSECTS THE SIDEWALK AND THE CURB AT THE BOTTOM OF THE CURB TRANSITION.
4. BOULEVARD SHALL BE RESTORED WITH MIN. 150mm OF SCREENED TOPSOIL AND NO. 1 NURSERY SOD, OR LOW-GROW SEED MIX AND FERTILIZER AS PER VOLUME 6 OF THE CITY OF WATERLOO COMPREHENSIVE DESIGN GUIDELINES & REQUIREMENTS (CDGR).
5. PRIOR TO PLACEMENT OF SOD IN BOULEVARD, FERTILIZER (MIN. 0-25-0 TO 0-50-0 MAX.) SHALL BE APPLIED TO TOPSOIL AS PER MANUFACTURER'S APPLICATION RATE.
6. DRIVEWAY TO BE A MINIMUM OF 1.2m FROM ANY STREET FURNITURE.
7. DEPRESSED CURB AND GUTTER AT DRIVEWAY ENTRANCES SHALL HAVE AN ADDITIONAL 50mm BENCH TO SUPPORT ADJACENT CONCRETE RAMPS, REFER TO OPSDE 600.040.

RESIDENTIAL INDUSTRIAL, COMMERCIAL, INSTITUTIONAL & MULTI-RESIDENTIAL

PLAN VIEW



RESIDENTIAL DRIVEWAY RAMPS MAY BE ASPHALT OR CONCRETE.

MIN. PAVEMENT THICKNESS FOR ASPHALT
 - 60mm HL3
 - 200mm GRAN. 'A', COMPACTED TO 100% SPMDD

MIN. PAVEMENT THICKNESS FOR CONCRETE
 - 150mm CONCRETE, 32 MPa AT 28 DAYS.
 - 150mm GRAN. 'A', COMPACTED TO 100% SPMDD

INDUSTRIAL, COMMERCIAL, INSTITUTIONAL & MULTI-RESIDENTIAL DRIVEWAY RAMPS MUST BE CONCRETE.

MIN. PAVEMENT THICKNESS FOR CONCRETE
 - 200mm CONCRETE, 32 MPa AT 28 DAYS.
 - 150mm GRAN. 'A', COMPACTED TO 100% SPMDD

ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SHOWN.

STANDARD DRAWING

REV 1

MAY 2023

DRIVEWAY RAMP DETAILS



CW-211