



Information Bulletin #31

Detectable Warning Surfaces for Wheel Chair Ramps

July 19, 2019

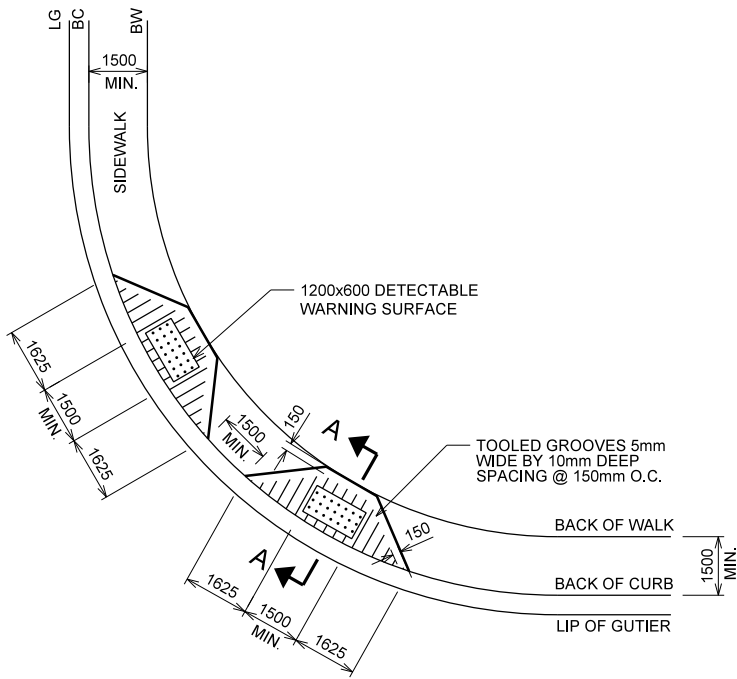
All new sidewalk wheel chair ramps must include detectable warning surfaces, as per Figures 42, 43 and 44. The detectable warning surfaces are to be unpainted cast iron (ASTM A48 CL35B). This applies to any subdivision or development drawing set that has not received final approval. We also encourage the addition of the detectable warning surfaces at any approved, but not yet constructed, wheel chair ramps.

Current approved supplier: Trojan Industries (D&L Foundry)
 ADA Solutions Inc.

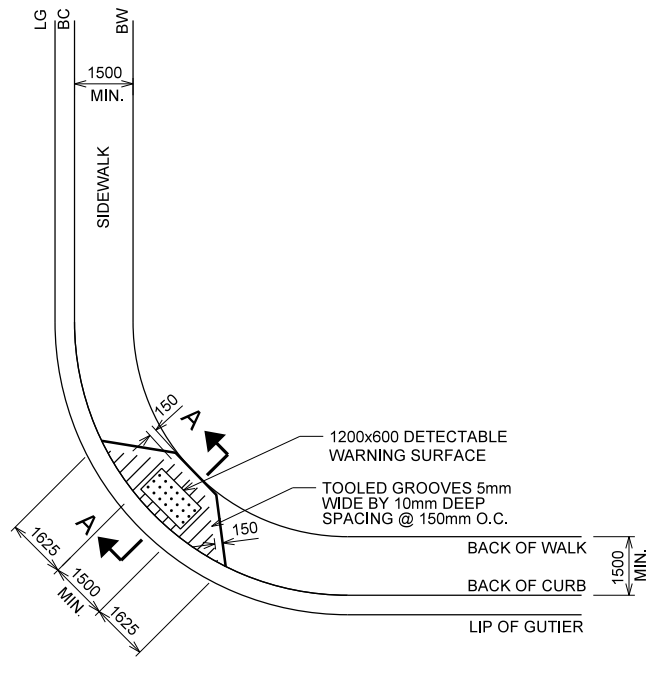
Please, feel free to contact Civil Land Development Services at (403) 851-2570 should you have any questions.

Sincerely,

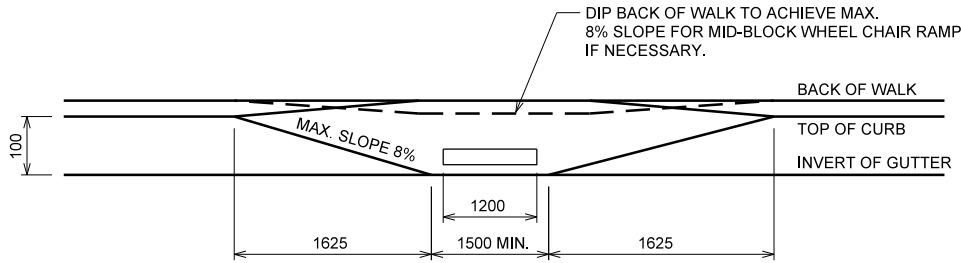
Ryan Stewart, C.E.T.
Manager, Civil Land Development
Development Services
Town of Cochrane



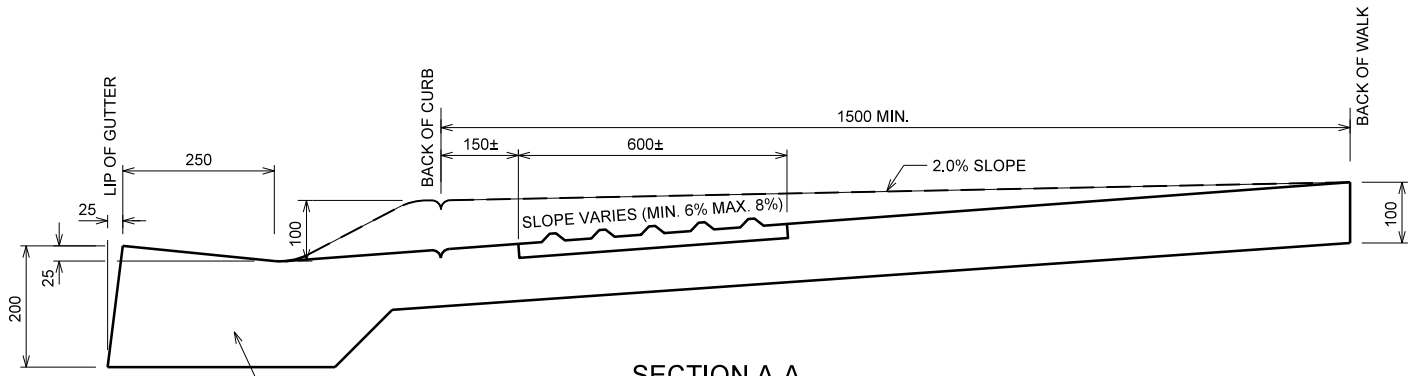
CORNER WHEEL CHAIR RAMP - DOUBLE
PLAN



CORNER WHEEL CHAIR RAMP - SINGLE
PLAN



ELEVATION

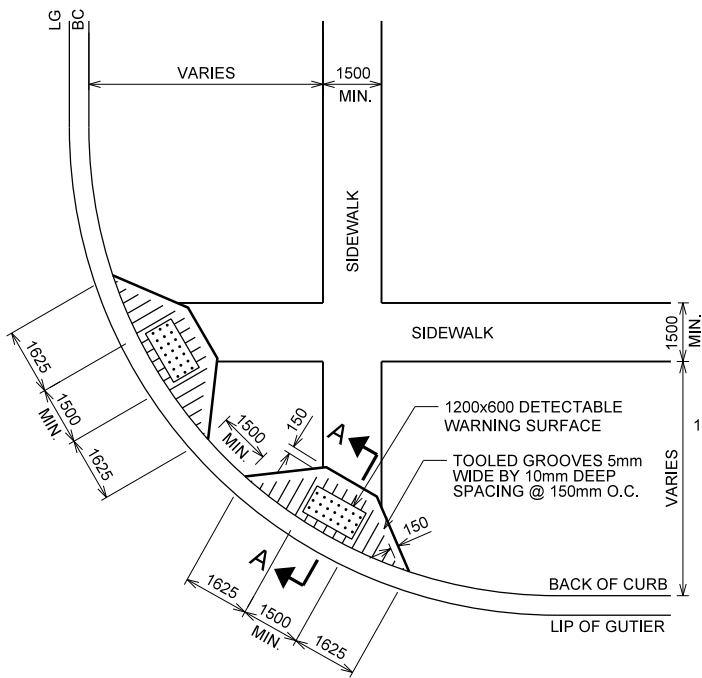


SECTION A-A

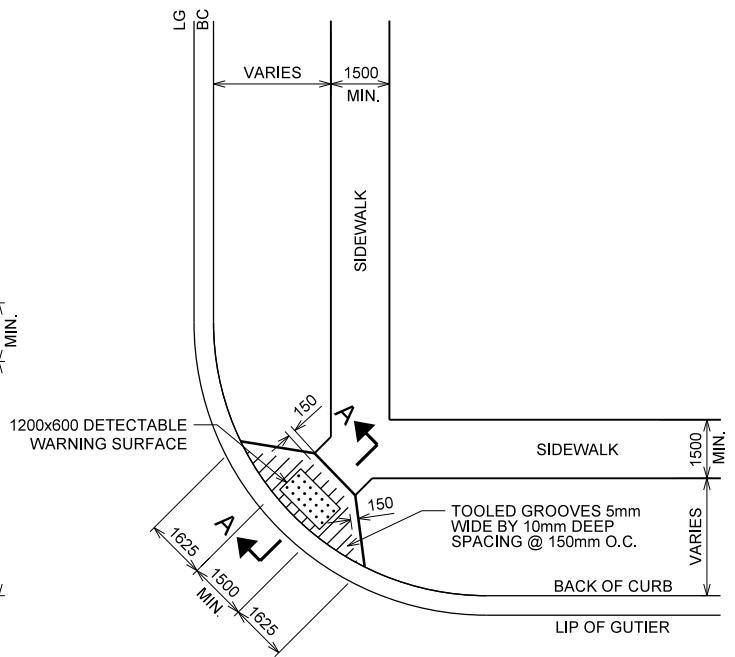
- NOTES:
- TWO DIRECTIONAL WHEEL CHAIR RAMPS SHOULD BE INSTALLED AT ALL STREET INTERSECTION CORNERS (IF CORNER RADII AND CATCH BASIN LOCATIONS PERMIT).
 - MINIMUM 1.50m SEPARATION BETWEEN CORNER WHEEL CHAIR RAMPS.
 - MINIMUM WIDTH OF RAMP 1500.
 - RAMP SURFACE TO BE TEXTURED CONCRETE.
 - SPECIFICATIONS ARE TO MINIMUM STANDARDS. CONSIDERATION MUST BE GIVEN TO ADDRESS ACTUAL SOIL CONDITIONS AND ASSESS THE NEED FOR GRAVEL BASE, THICKER SLAB, REINFORCEMENT OR SUB-DRAINAGE SYSTEM.
 - INSTALL DETECTABLE WARNING SURFACE SO THAT THE TOP OF THE PLATE IS FLUSH WITH THE SURFACE OF THE ADJACENT SIDEWALK.

SEE STD. DWG.
454.1003.008

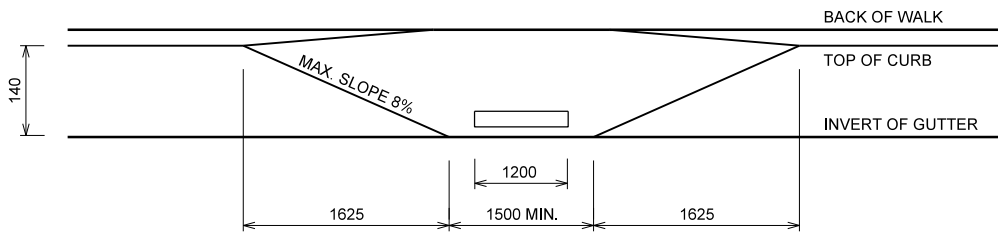
2	FEB. 2017	REVISE ZERO LIP, DETECTABLE WARNING SURFACE															
No.	Date	Revision	App'd	No.	Date	Revision	App'd	No.	Date	Revision	App'd						
PERMIT PERMIT TO PRACTICE CITY OF CALGARY Signature _____ Date _____ PERMIT NUMBER: P 04428 The Association of Professional Engineers and Geoscientists of Alberta		SEAL 		THE CITY OF CALGARY ROADS DIMENSIONS ARE METRES OR MILLIMETRES UNLESS OTHERWISE NOTED 2:\permanent\StdRoadSpecs_2017\dwgs\4541013001_V8.dgn 03-MAY-2017 11:49 ISC: UNRESTRICTED				Drawn JL 2014-11 Designed EW Checked EW Scale: NTS		WHEEL CHAIR RAMP FOR MONOLITHIC SIDEWALK				Figure 42 File Number 454.1013.001			



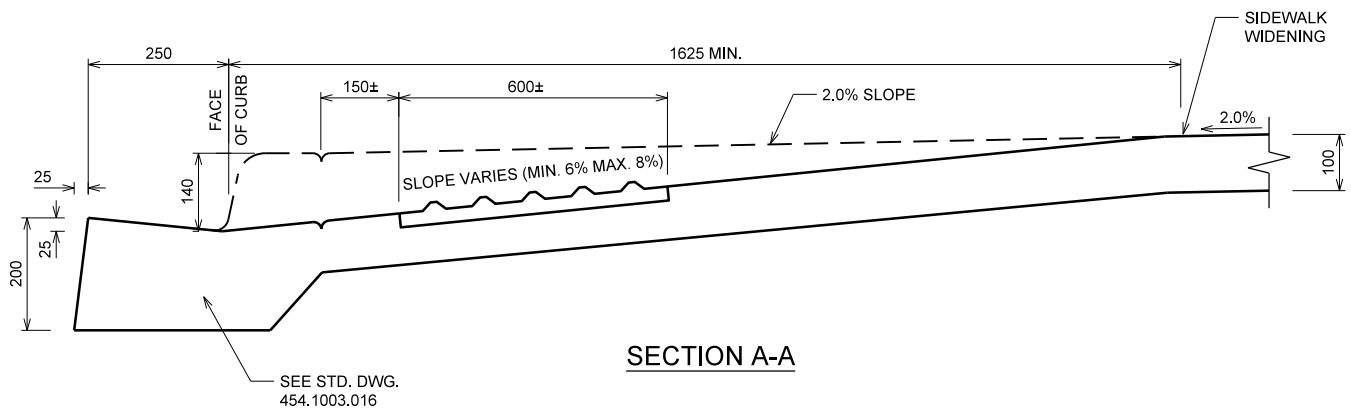
CORNER WHEEL CHAIR RAMP - DOUBLE PLAN



CORNER WHEEL CHAIR RAMP - SINGLE PLAN

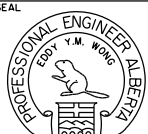



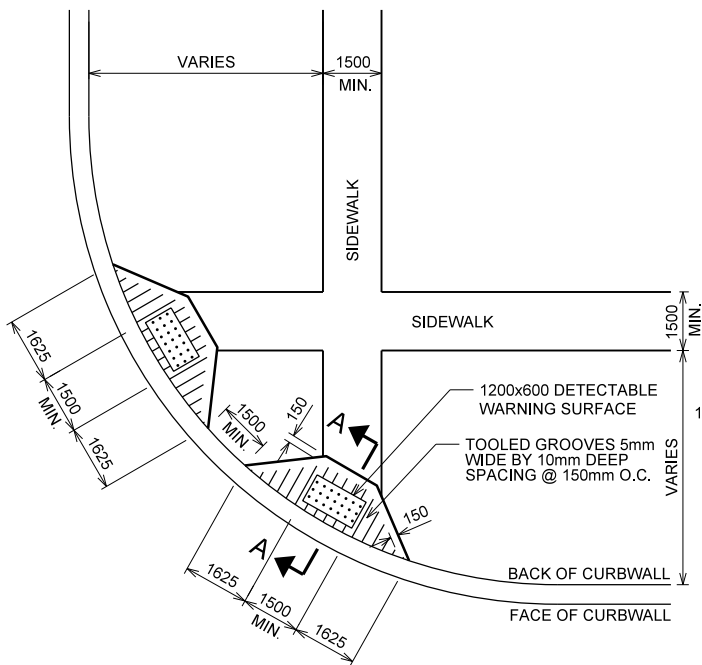
ELEVATION



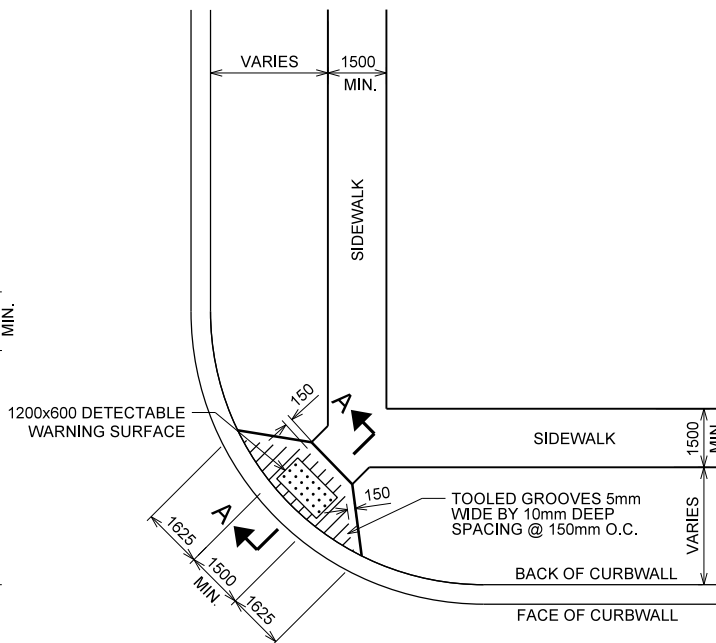
SECTION A-A

- NOTES:**
1. TWO DIRECTIONAL WHEEL CHAIR RAMPS SHOULD BE INSTALLED AT ALL STREET INTERSECTION CORNERS (IF CORNER RADII AND CATCH BASIN LOCATIONS PERMIT).
 2. MINIMUM 1.50m SEPARATION BETWEEN CORNER WHEEL CHAIR RAMPS.
 3. MINIMUM WIDTH OF RAMP 1500.
 4. RAMP SURFACE TO BE TEXTURED CONCRETE.
 5. SPECIFICATIONS ARE TO MINIMUM STANDARDS. CONSIDERATION MUST BE GIVEN TO ADDRESS ACTUAL SOIL CONDITIONS AND ASSESS THE NEED FOR GRAVEL BASE, THICKER SLAB, REINFORCEMENT OR SUB-DRAINAGE SYSTEM.
 6. INSTALL DETECTABLE WARNING SURFACE SO THAT THE TOP OF THE PLATE IS FLUSH WITH THE SURFACE OF THE ADJACENT SIDEWALK.

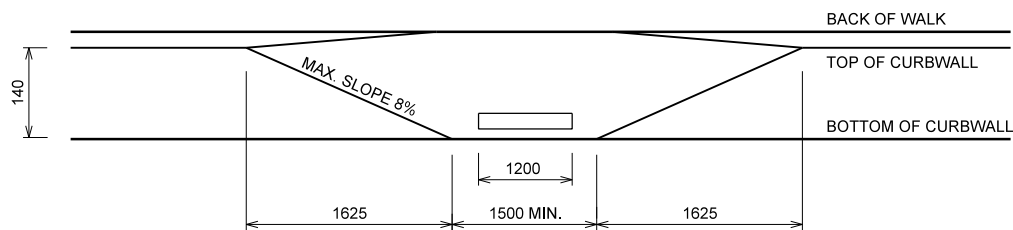
8	FEB. 2017	REVISE ZERO LIP, DETECTABLE WARNING SURFACE																
No.	Date	Revision	App'd	No.	Date	Revision	App'd	No.	Date	Revision	App'd	No.	Date	Revision	App'd	No.	Date	Revision
PERMIT PERMIT TO PRACTICE CITY OF CALGARY Signature _____ Date _____ PERMIT NUMBER: P 04428 The Association of Professional Engineers and Geoscientists of Alberta		SEAL  PROFESSIONAL ENGINEER ALBERTA EBY Y.M. WONG		 THE CITY OF CALGARY ROADS DIMENSIONS ARE METRES OR MILLIMETRES UNLESS OTHERWISE NOTED METRIC Z:\permanent\StdRoadSpecs_2017\dwgs\4541013012_V8.dgn 03-MAY-2017 11:50 ISC: UNRESTRICTED				Drawn JL 2014-11 Designed EW Checked EW Scale: NTS				WHEEL CHAIR RAMP FOR SEPARATE SIDEWALK				Figure 43 File Number 454.1013.012		



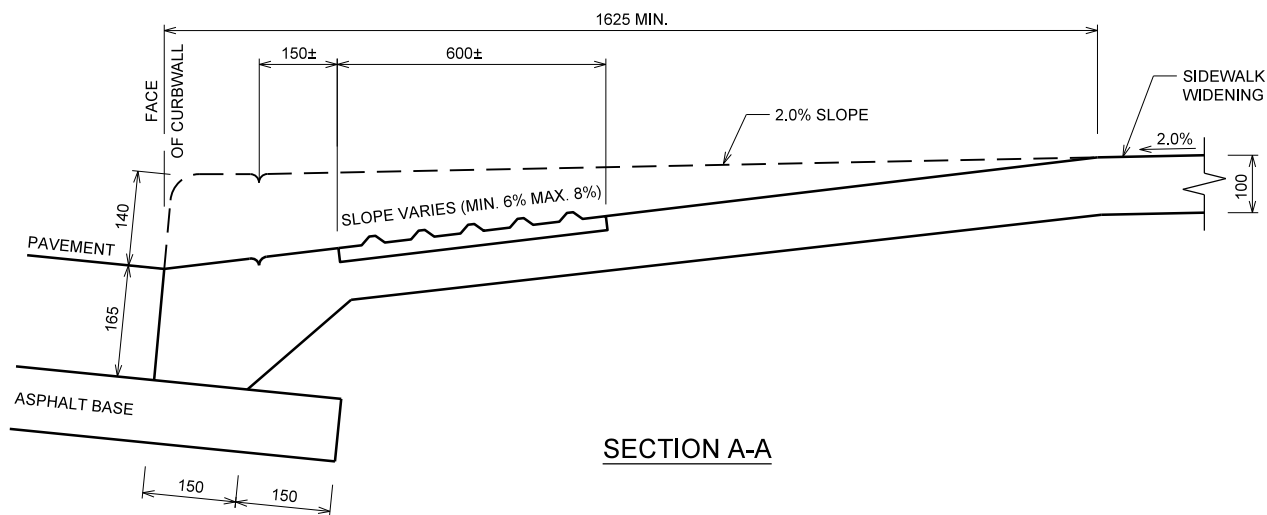
**CORNER WHEEL CHAIR RAMP - DOUBLE
PLAN**



**CORNER WHEEL CHAIR RAMP - SINGLE
PLAN**



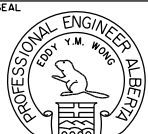

ELEVATION



SECTION A-A

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8	FEB. 2017	REVISE ZERO LIP, DETECTABLE WARNING SURFACE													
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ISC: UNRESTRICTED															