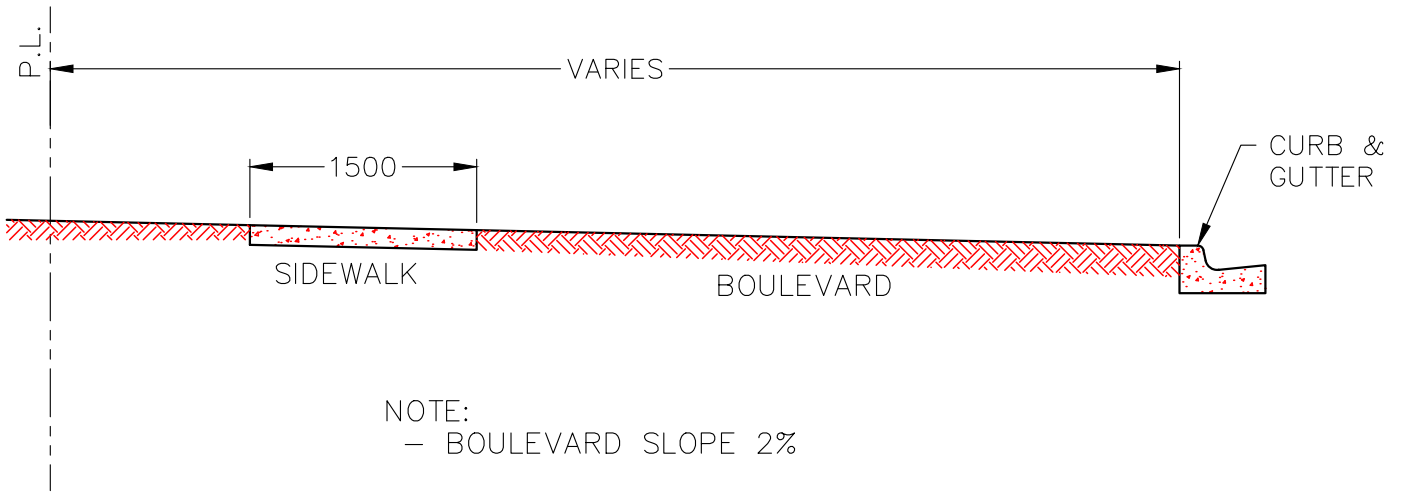


APPENDIX B

TRANSPORTATION CONSTRUCTION DRAWINGS LIST

Drawing No.	Standard
STR -1	Cross Section of Separate Standard Boulevard
STR -2	Separate Sidewalk
STR -3	Standard Curb & Gutter
STR-4	Standard Curb & Gutter 500 mm Gutter
STR-4.1	High Back Standard Curb & Gutter
STR-5	Dropped Curb & Gutter
STR-6	Low Profile Curb & Gutter with 500 mm Gutter
STR-6.1	Low Profile Rolled Curb
STR-7	Surmountable Curb & Gutter
STR-8	Combined Sidewalk – Standard Curb & Gutter
STR-9	Combined Sidewalk – Rolled Curb & Gutter
STR-10	Sidewalk Jointing
STR-11.0	Wheel Chair Ramps at Intersections – Types A & B
STR-11.1	Wheel Chair Amps on Tangent – Types C & D
STR-11.2	Wheelchair Ramps on Corner
STR-11.3	Sidewalk & crosswalk Layout of Smaller Islands & Medians less than 6m wide
STR-12	Concrete Crossing Between Separate Sidewalks, Curb & Gutter
STR-13.0	Lane or Private Crossing through Combined Sidewalk, Curb & Gutter
STR-13.1	Crossing through Combined Sidewalk, Standard Curb & Gutter
STR-14.0	Crossing through Combined Sidewalk, Rolled Curb & Gutter
STR-14.1	Crossing through Combined Sidewalk, Rolled Curb & Gutter
STR-15	Concrete Median
STR-17	Sidewalk Detail of Walkway
STR-18a	Pavement Structures
STR-18b	Pavement Structures
STR-20	Concrete Gutter Swale
STR-23	Combined Sidewalk – Standard Curb with 500mm Gutter
STR-24	Lane or private Crossing – Combined Standard Curb & Gutter
STR-26	Paved Lane Construction
STR-27	Standard Concrete Invert Crossing
STR-30	Road Extension Between Phases
STR-31	Typical Cross-Section Private Approach
STR-38	Typical Paved Pathway Construction
RDS00-4	Rural Private Approach



DATE	REVISION	BY
04/16	1.5m SIDEWALK	R.J.K.
FILE:	str_01.dwg	

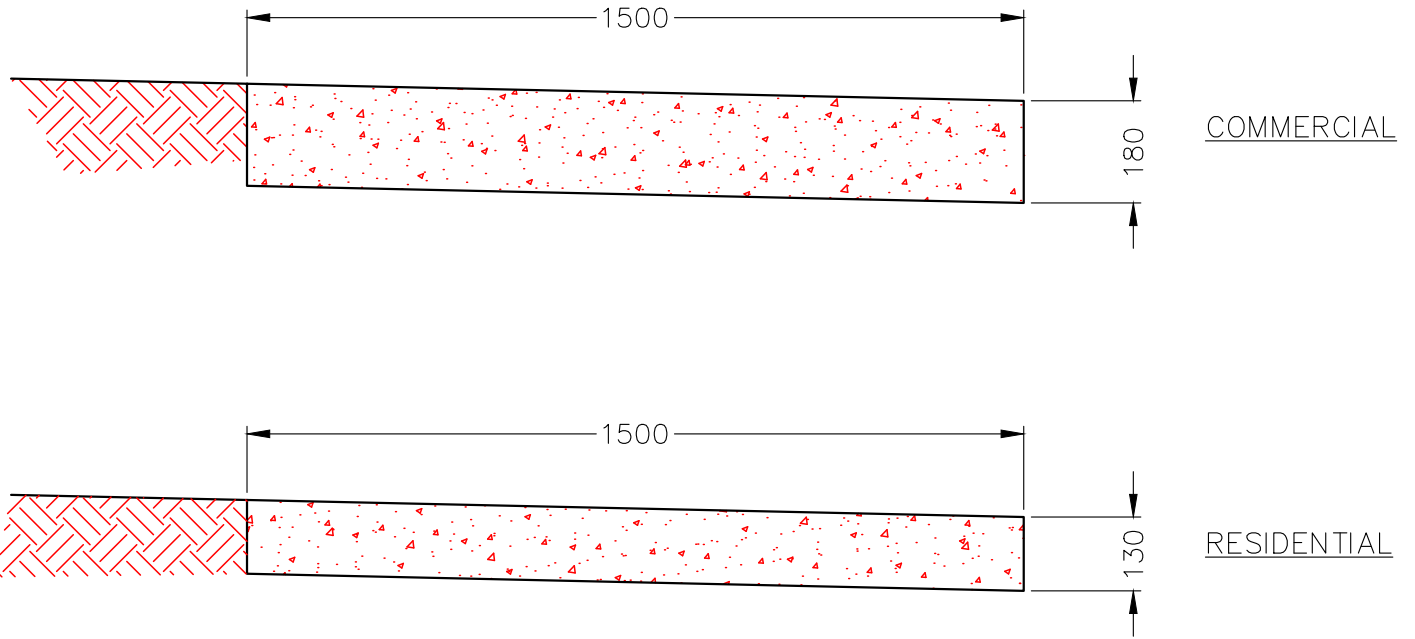


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

CROSS SECTION OF SEPARATE
STANDARD BOULEVARD

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	4/28/2016
DWG NO:	STR 01



NOTE:
- SLOPE 2%

DATE	REVISION	BY
04/16	1.5m SIDEWALK	R.J.K.
FILE:	str_02.dwg	

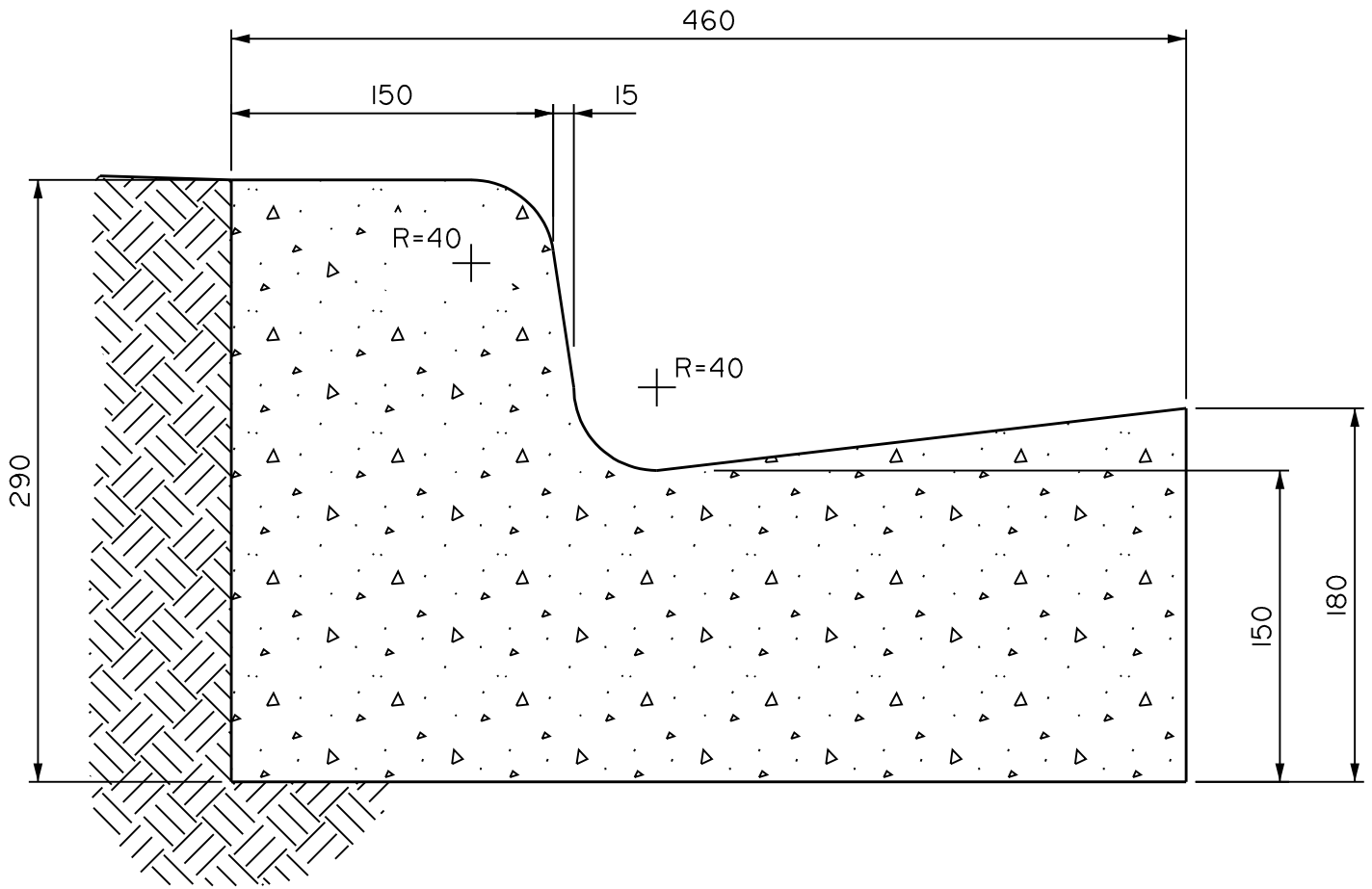


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

SEPARATE BOULEVARD

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	4/28/2016
DWG NO:	STR 02



City of Lethbridge
INFRASTRUCTURE

STANDARD CURB AND GUTTER

DRAWN jrg

CHECKED

APPROVED

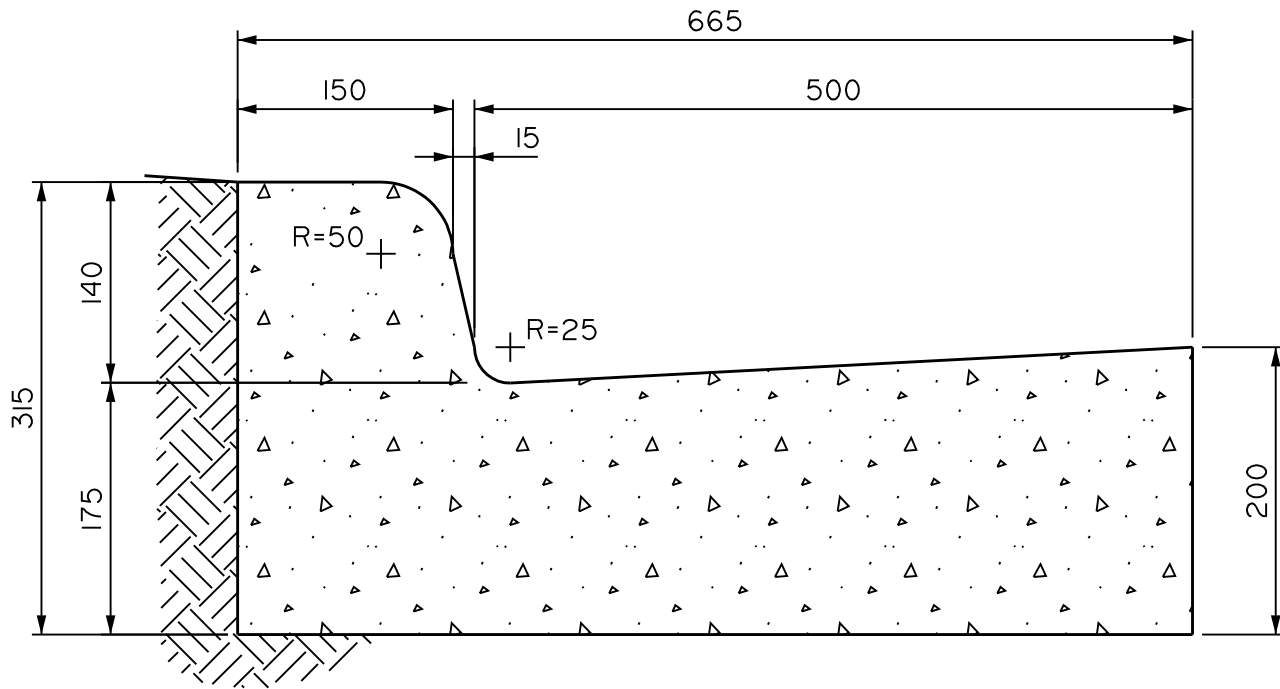
SCALE N.T.S.

DATE 99/05/03

REV. DATE

DWG NO

STR_03



NOTE:

- REVERSE GUTTER TO BE USED ON HIGH SIDE OF MAJOR ROAD IN SUPERELEVATION.
- ABOVE CURB AND GUTTER TO BE ROTATED TO MATCH GRADE OF BASE.



City of Lethbridge
INFRASTRUCTURE

STANDARD CURB WITH 500mm GUTTER

DRAWN jrg

CHECKED

APPROVED

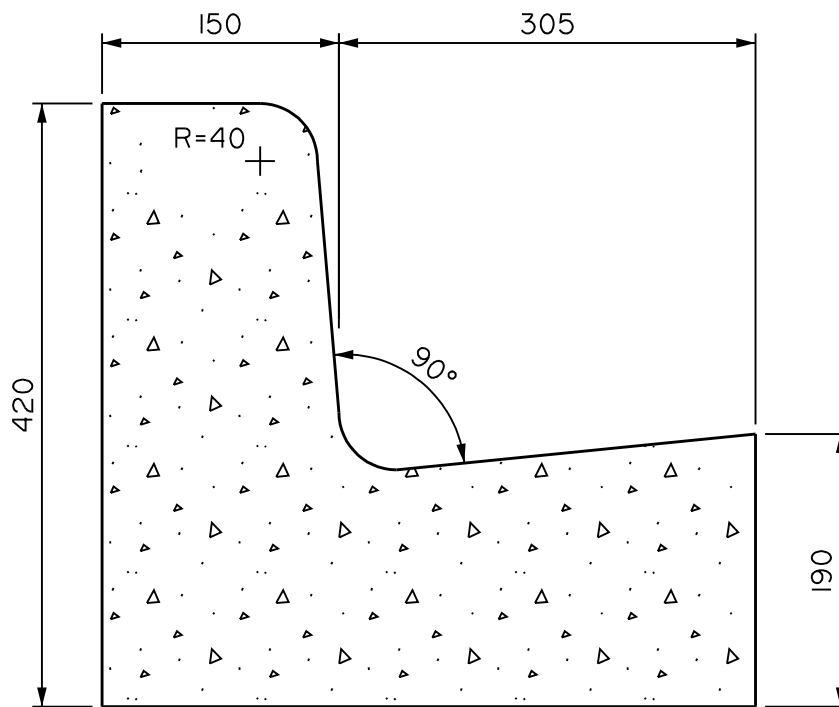
SCALE N.T.S.

DATE 99/05/03

REV. DATE

DWG NO STR_04

STR_04



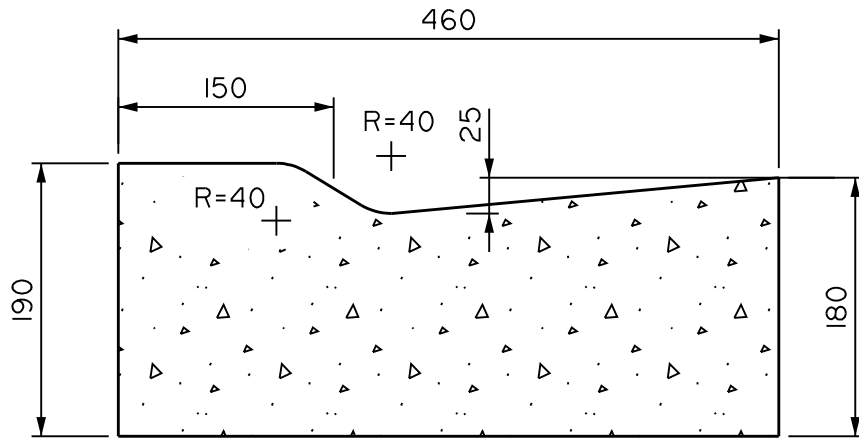
NOTE:
 - SLOPES ON GUTTERS VARY ON CURVES AND TRANSITION
 DEPENDING ON SUPERELEVATION.



City of Lethbridge
 INFRASTRUCTURE

HIGH BACK STANDARD CURB AND GUTTER

DRAWN	jrg
CHECKED	
APPROVED	
SCALE	N.T.S.
DATE	99/05/03
REV. DATE	
DWG NO	STR_04_1



City of Lethbridge

INFRASTRUCTURE

DROP CURB AND GUTTER

DRAWN jrg

CHECKED

APPROVED

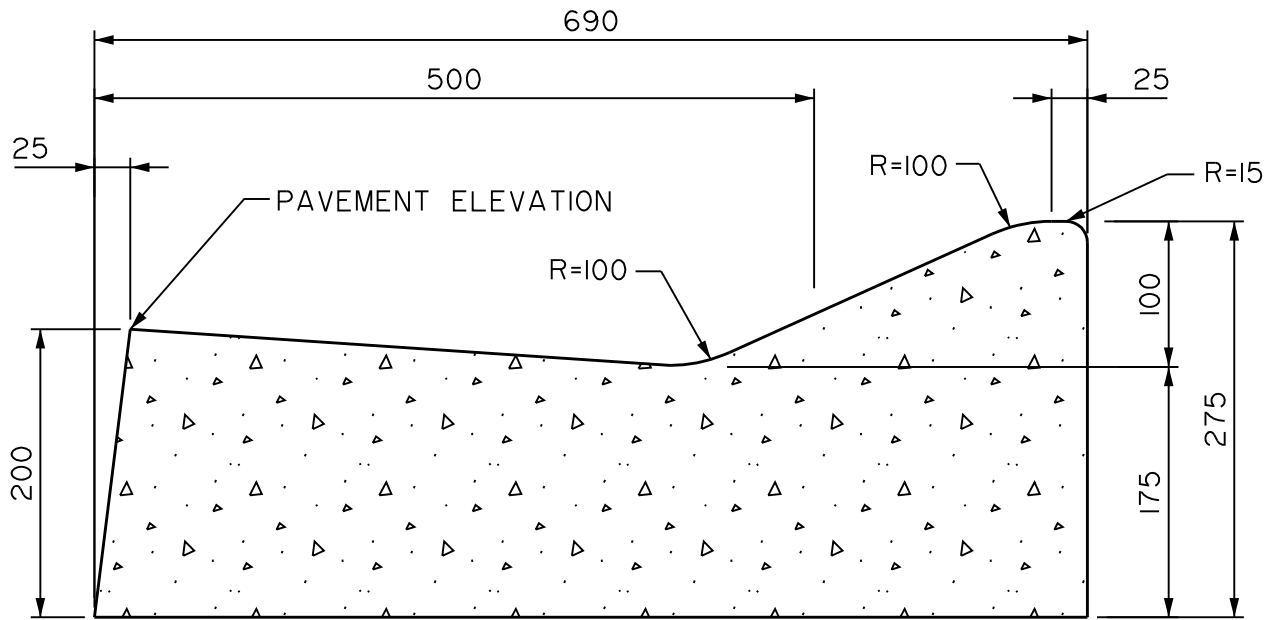
SCALE N.T.S.

DATE 99/05/03

REV. DATE

DWG NO

STR_05



City of Lethbridge

INFRASTRUCTURE

**LOW PROFILE ROLLED CURB WITH
500mm GUTTER**

DRAWN jrg

CHECKED

APPROVED

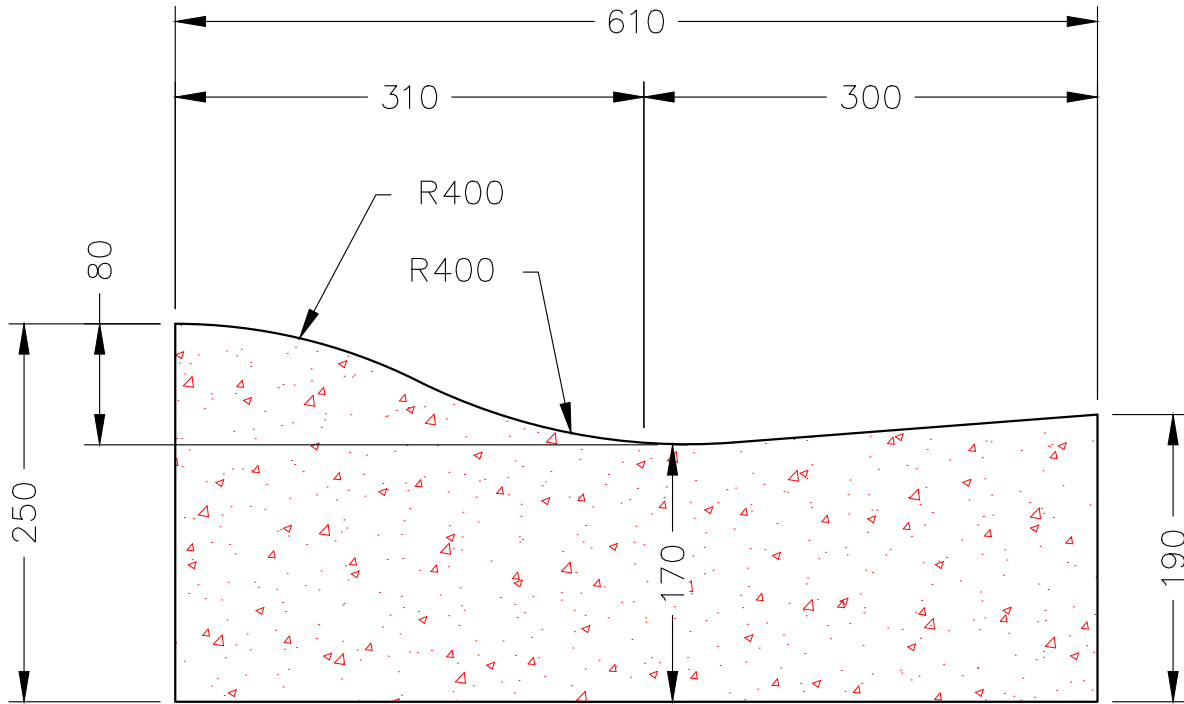
SCALE N.T.S.

DATE 99/05/03

REV. DATE

DWG NO

STR_06



DATE	REVISION	BY
03/07	REVISED ORIGINAL	R.J.K.
FILE:	str_06.dwg	

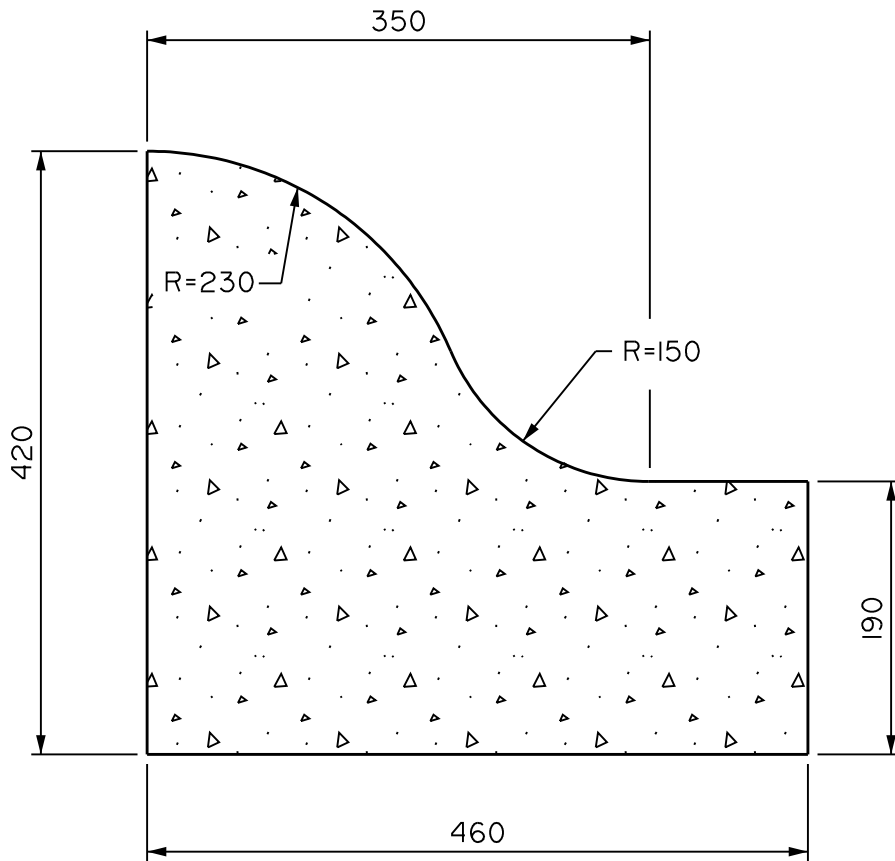


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

LOW PROFILE
ROLLED CURB

DRAWN:	D.Mc.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	31/10/2007
DWG NO:	STR 06.1



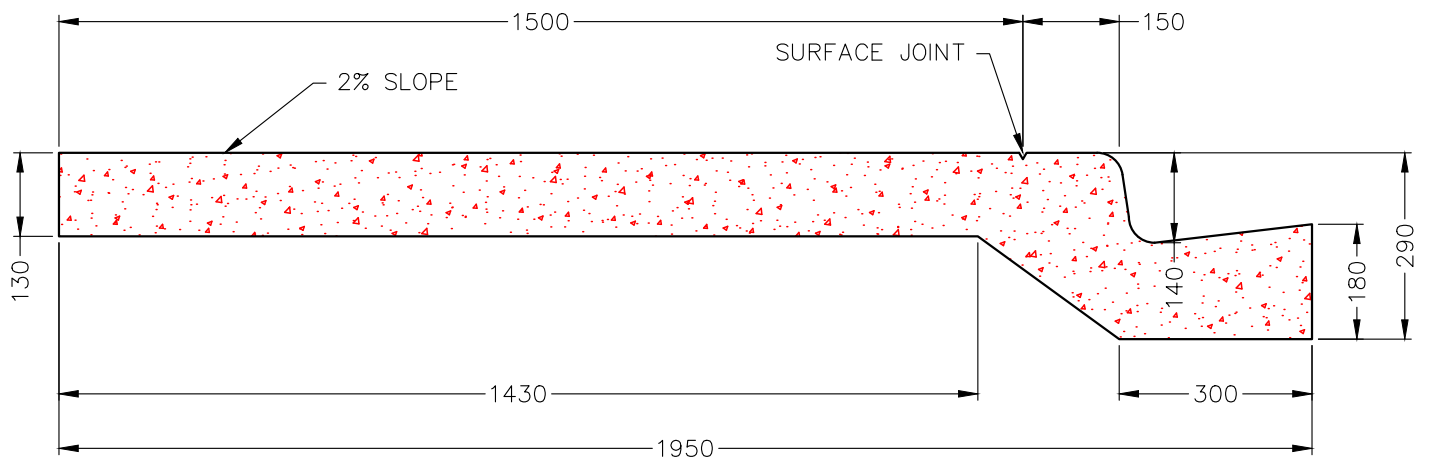
NOTE:
 - SLOPES ON GUTTERS VARY ON CURVES AND TRANSITIONS DEPENDING ON SUPERELEVATION.



City of Lethbridge
 INFRASTRUCTURE

SURMOUNTABLE CURB GUTTER

DRAWN	jrg
CHECKED	
APPROVED	
SCALE	N.T.S.
DATE	99/05/03
REV. DATE	
DWG NO	STR_07



NOTE:
 - ALL RADII = 40mm

DATE	REVISION	BY
04/16	1.5m SIDEWALK	R.J.K.
FILE:	str_08.dwg	

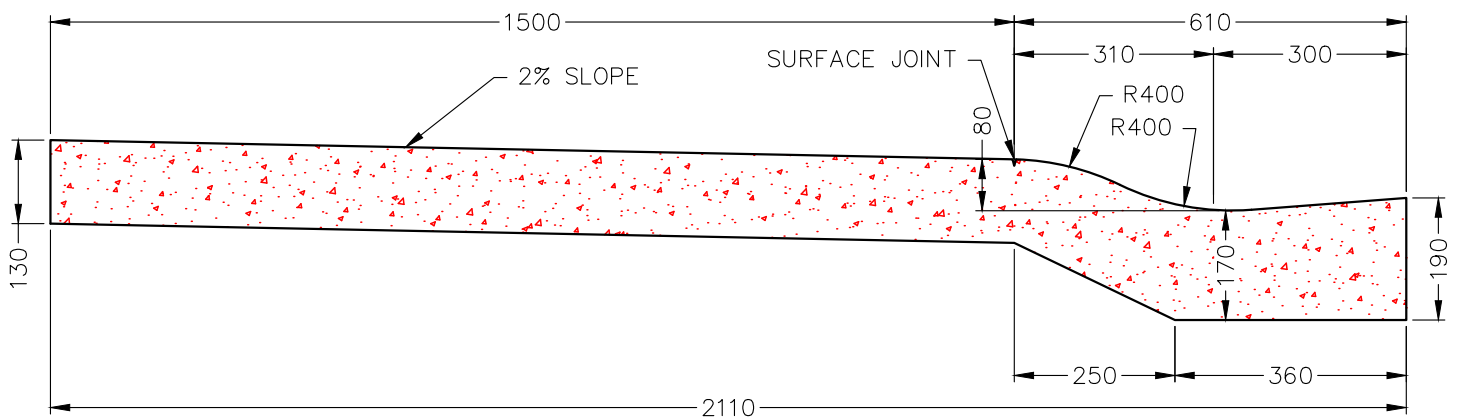


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

COMBINED SIDEWALK
 STANDARD CURB GUTTER

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	4/27/2016
DWG NO:	STR 08



DATE	REVISION	BY
03/07	REVISED ORIGINAL	R.J.K.
04/16	1.5m SIDEWALK	R.J.K.
FILE:	str_09.dwg	

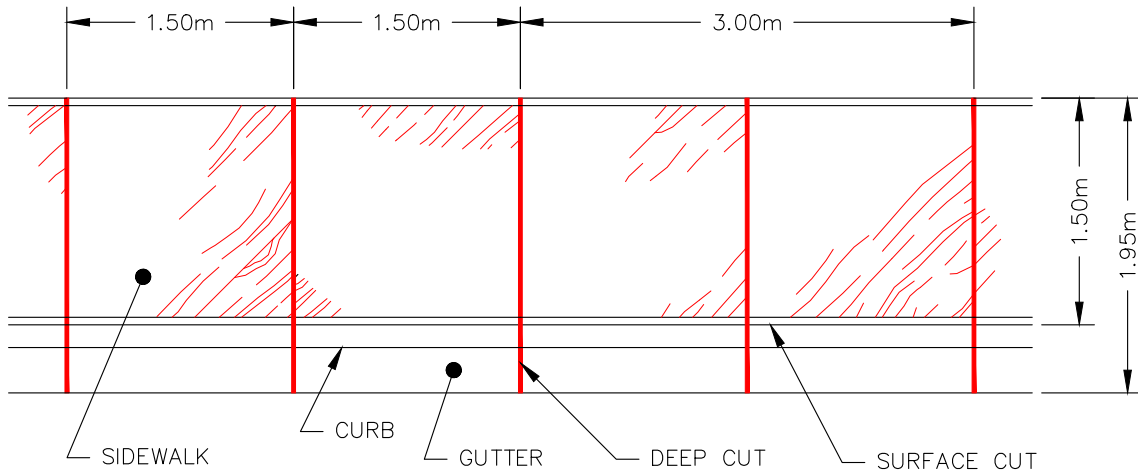


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

COMBINED SIDEWALK
ROLLED CURB GUTTER

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	5/12/2014
DWG NO:	STR 09



NOTE:
 - SIDEWALK SURFACE TO BE BRUSHED FINISHED
 - 6mm x 32mm DEEP EXPANSION JOINT TO BE LOCATED AT 3.0m INTERVAL.

DATE	REVISION	BY
12/14	REVISED ORIGINAL	R.J.K.
04/16	1.5m SIDEWALK	R.J.K.
FILE:	str_10.dwg	

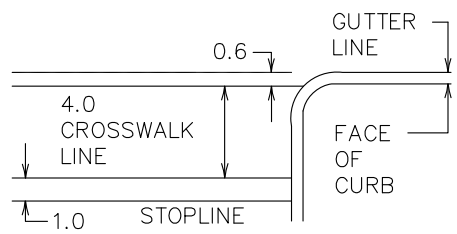
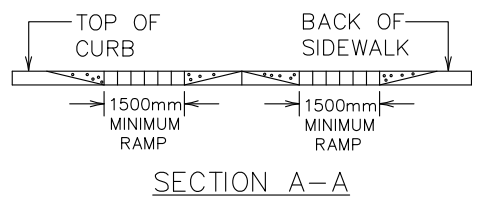
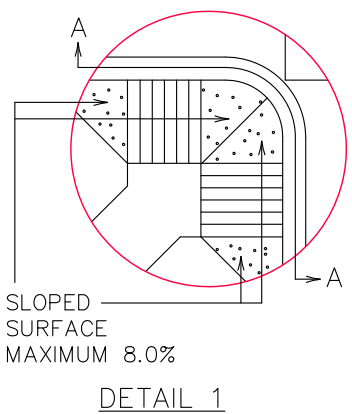
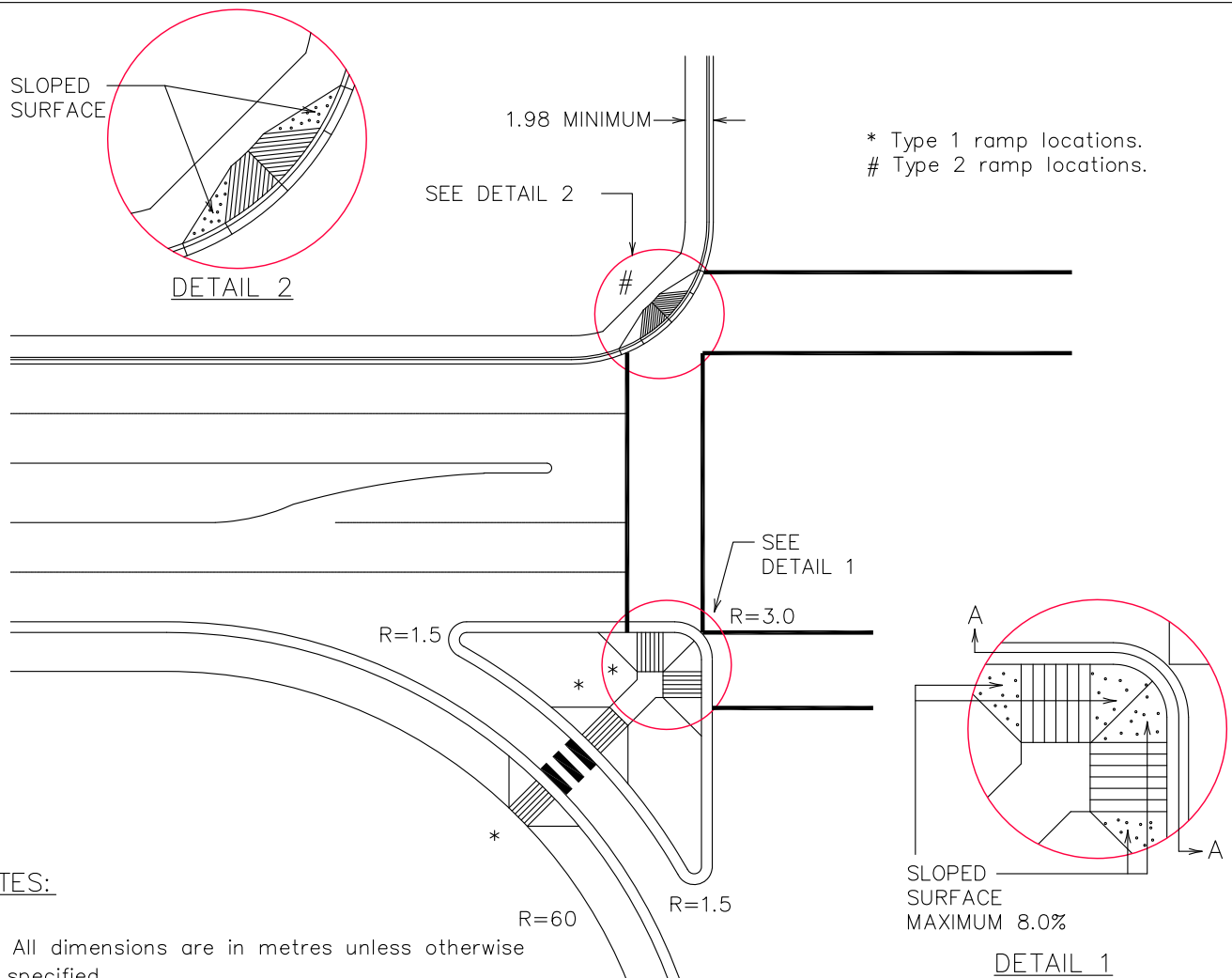


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

SIDEWALK JOINTING

DRAWN:	J.R.G.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	04/12/2014
DWG NO:	STR 10



NOTES:

- All dimensions are in metres unless otherwise specified.
- Sidewalk ramps must provide access directly to crosswalks.
- The selection of curb ramp type is dependent on the location of the crosswalk relative to the curb face. Where the curb return radius is greater than or equal to 4.0m one Type 2 ramp can be used. Where the curb return radius is less than 4.0m two Type 1 ramps are required.
- Where crosswalks are controlled by signals with a push-button system, the sidewalks and ramps must allow access by wheelchair to the pushbutton.
- Refer to Drawing Nos. STR 11.1 and 11.2 for details of Type 1 and Type 2 ramps.
- On a sharp corner where two Type 1 ramps are being used, the slope on the flared areas between the two ramps can be less than the 0.08 m/m maximum shown. This will provide a smoother sidewalk for general use especially for pedestrians who are not using the crosswalk.

DATE	REVISION	BY
02/11	REVISED SHAPE	R.J.K.
FILE:	str_11.0.dwg	

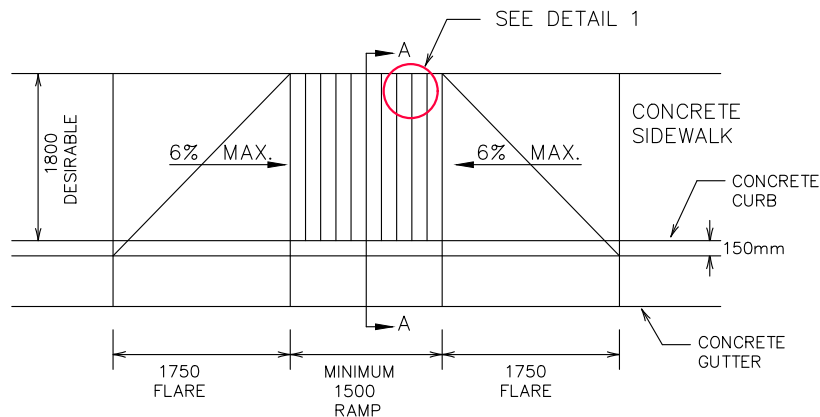


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

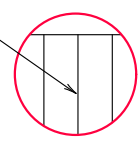
TYPICAL LAYOUT OF CROSSWALKS AND LOCATION AND TYPE OF SIDEWALK RAMPS AT URBAN INTERSECTIONS

DRAWN:	C.R.S.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	02/10/1991
DWG NO:	STR 11.0

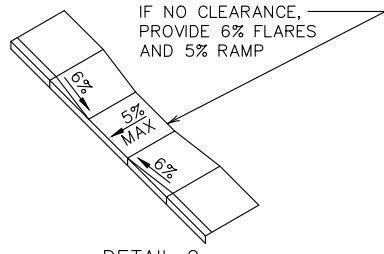


TYPICAL PLAN VIEW

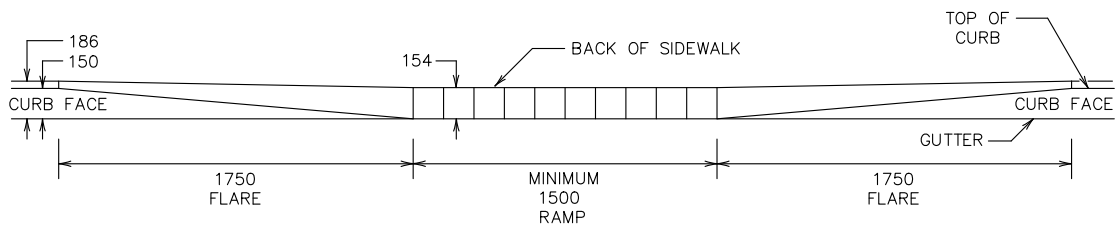
TOOLED GROOVES 5mm WIDE BY 10mm DEEP SPACING AT 150mm o.c.



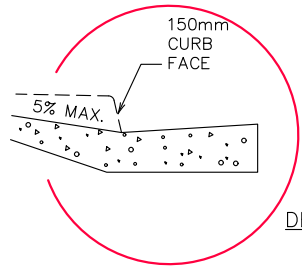
DETAIL 1



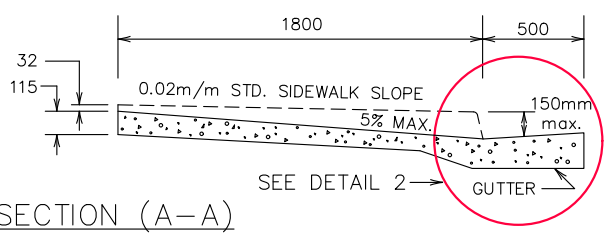
DETAIL 2



TYPICAL ELEVATION



DETAIL 2




TYPICAL CROSS SECTION (A-A)

NOTES:

- All dimensions are in millimetres unless otherwise specified.
- Ramps for users of wheelchairs/bicycles should be located at all junctions of crosswalks and sidewalks.
- Grooves on sidewalk ramps are to alert persons who are visually impaired of the curb-cut and a street crossing.
- Where crosswalks are controlled by signals with a push-button system, the sidewalks and ramps must allow access by wheelchair to the push-button.
- Concrete sidewalks, curbs and ramps to be poured monolithically.
- Minimum width of ramp is 1500mm. It may be necessary to build wider ramps in busy urban areas where the volume of pedestrian traffic is high.
- Maximum ramp slope is 5%.
- Where the sidewalk is less than 1800m wide, the 5% maximum slope should not be exceeded and therefore the back of the sidewalk must be lowered accordingly.
- Refer to Drawing No. STR 11.0 for typical layout of crosswalks and location and the type of ramp to be used.
- For details of typical ramps for 90 degree corners, refer to Drawing No. STR 11.2.

DATE	REVISION	BY
02/16	ADDED DETAIL 2	RJK
FILE:	str_11.1.dwg	

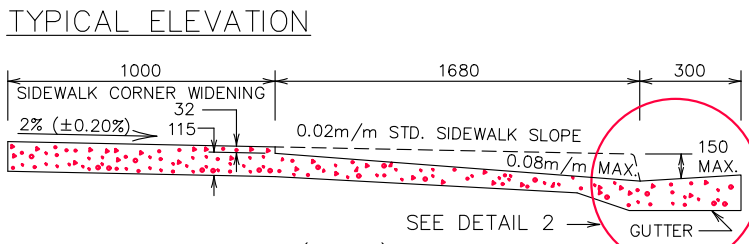
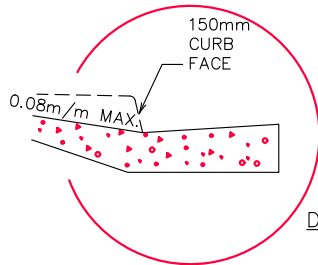
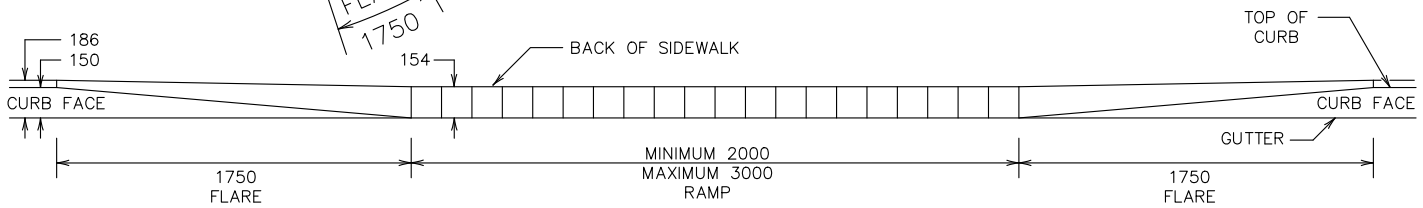
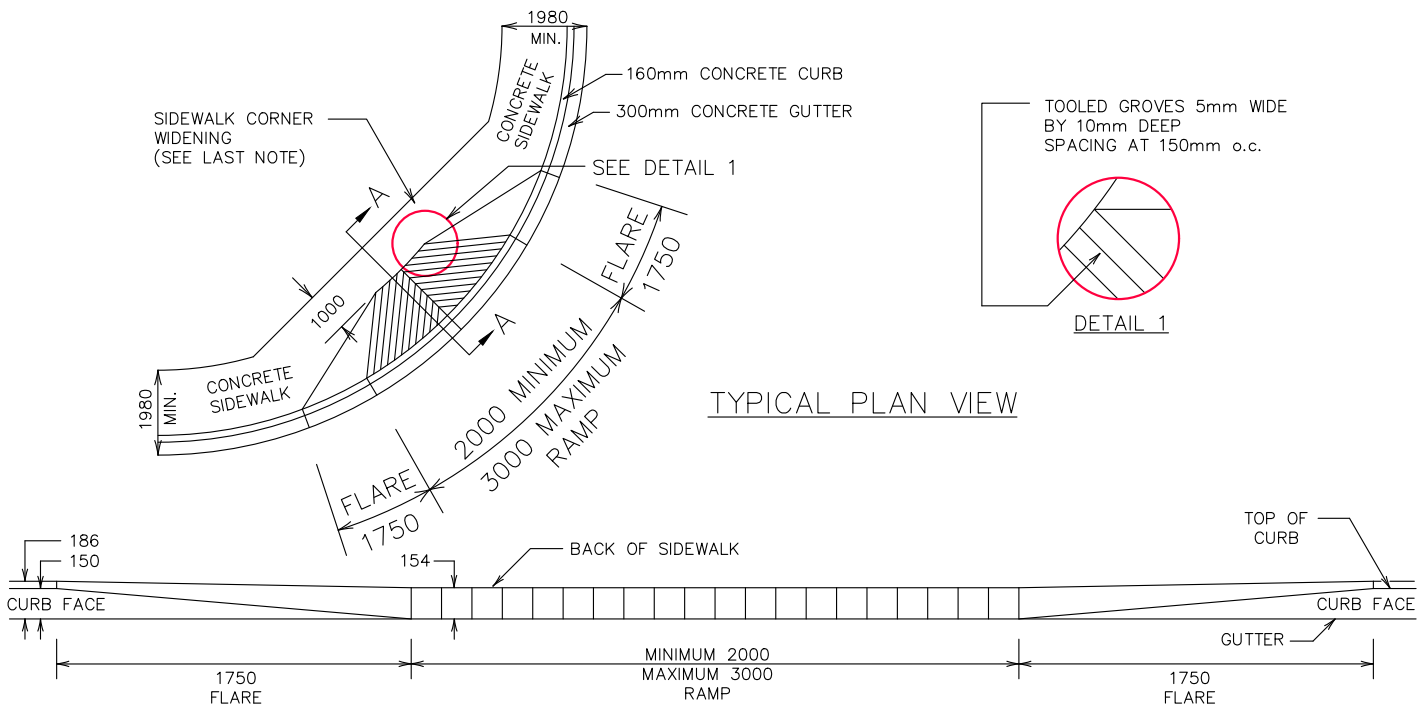


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

CONCRETE SIDEWALK RAMP FOR
WHEELCHAIR OR BICYCLE
ON TANGENT (TYPE 1)

DRAWN:	C.R.S.
DESIGN:	C.R.S.
CHECKED:	P.R.A.
APPROVED:	B.L.H.
SCALE:	N.T.S.
DATE:	10/10/1991
DWG NO:	STR 11.1



NOTES:

- All dimensions are in millimetres unless otherwise specified.
- Ramps for users of wheelchairs/bicycles should be located at all junctions of crosswalks and sidewalks. Ramp must be located within a crosswalk.
- Grooves on sidewalk ramps are to alert persons who are visually impaired of the curb-cut and a street crossing.
- Where crosswalks are controlled by signals with a push-button system, the sidewalks and ramps must allow access by wheelchair to the push-button.
- Concrete sidewalks, curbs and ramps to be poured monolithically.
- Minimum width of ramp is 2000mm. It may be necessary to build wider ramps in busy urban areas where the volume of pedestrian traffic is high.
- Maximum ramp slope is 0.08m/m.
- Where the sidewalk is less than 1800m wide, the 0.08m/m maximum slope should not be exceeded and therefore the back of the sidewalk must be lowered accordingly.
- Refer to Drawing No. STR 11.0 for typical layout of crosswalks and location and the type of ramp to be used.
- For details of typical ramps for tangent sections, refer to Drawing No. STR 11.1.
- Where right-of-way is available, the sidewalk is to be widened at corner locations as shown so that at least a 1.0m width of 2% (±0.02%) sloped sidewalk is provided adjacent to the ramp.

DATE	REVISION	BY
02/11	REVISED SHAPE	R.J.K.
05/11	RECORD REVISION	R.J.K.
05/12	SIZE REVISION	R.J.K.
06/15	MINIMUM REVISION	R.J.K.
FILE:	str_11.2.dwg	

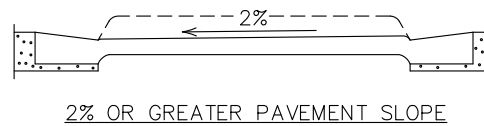
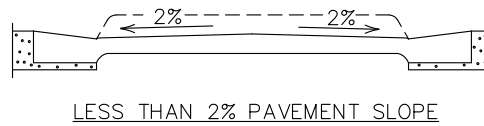
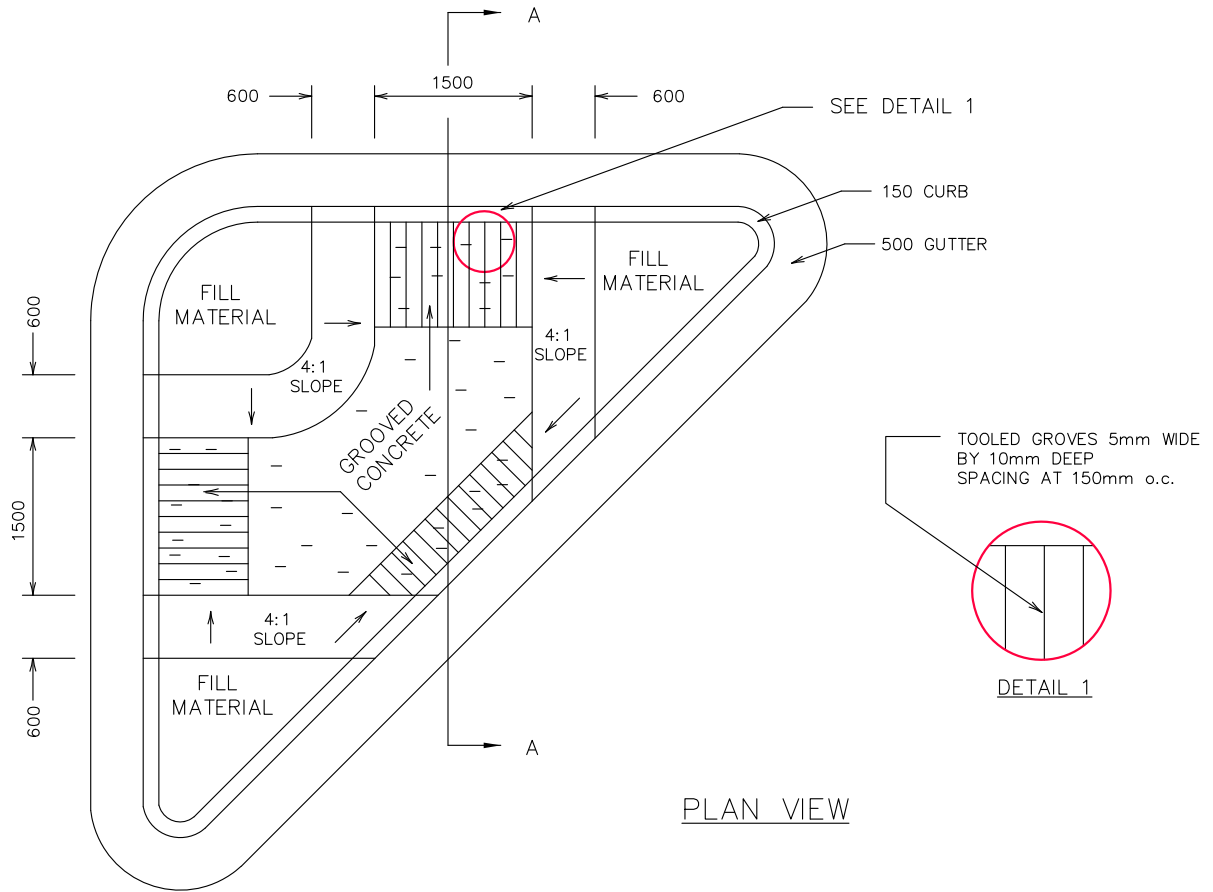


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

CONCRETE SIDEWALK RAMP FOR
WHEELCHAIR OR BICYCLE ON
CORNER (TYPE 2)

DRAWN:	C.R.S.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	10/11/1991
DWG NO:	STR 11.2



SECTION A-A

NOTES:

- All dimensions are in millimeters unless otherwise specified
- Where crosswalks are controlled by signals with a push-button system, the sidewalks and ramps must allow access by wheelchair to the push-button.
- Add 10M rebar to the ends of all bullnoses, medians and traffic islands.
- Fill material for islands shall be earth, concrete or asphalt concrete as specified.
- Sidewalk and ramps shall be concrete.
- 1.0m x 1.0m Minimum refuge between wheel chair ramps.



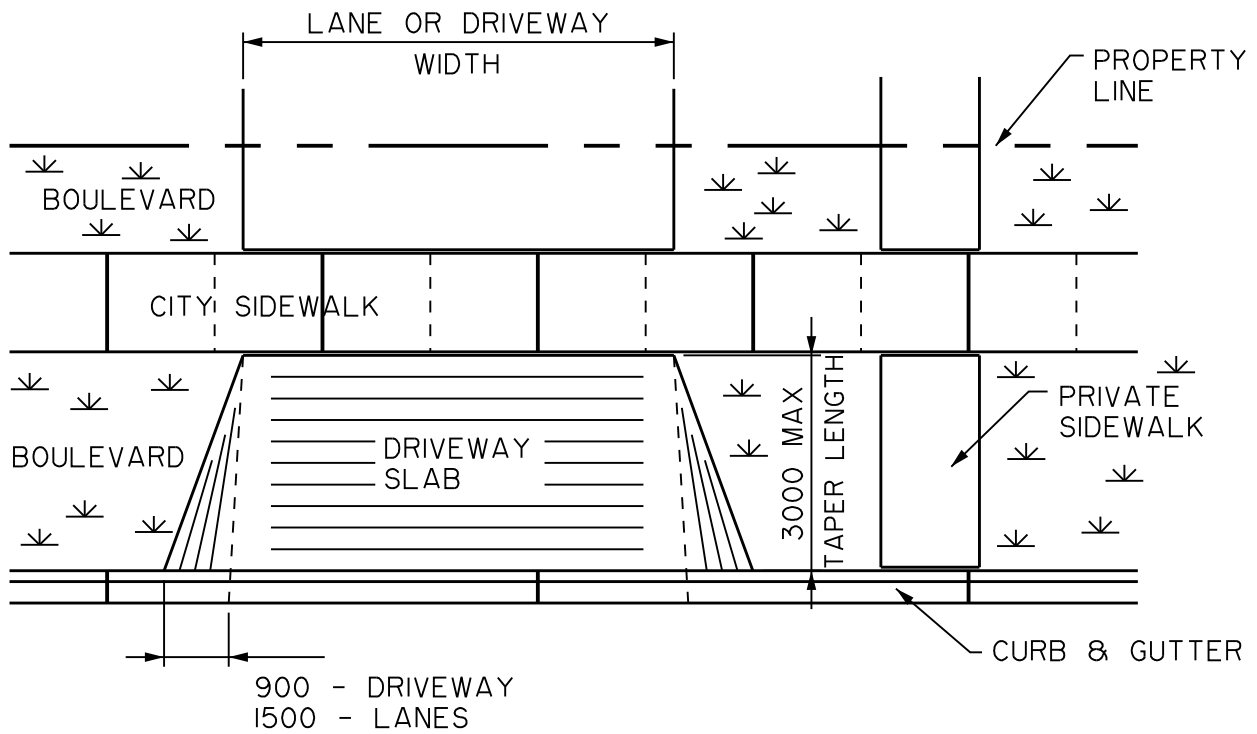
CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

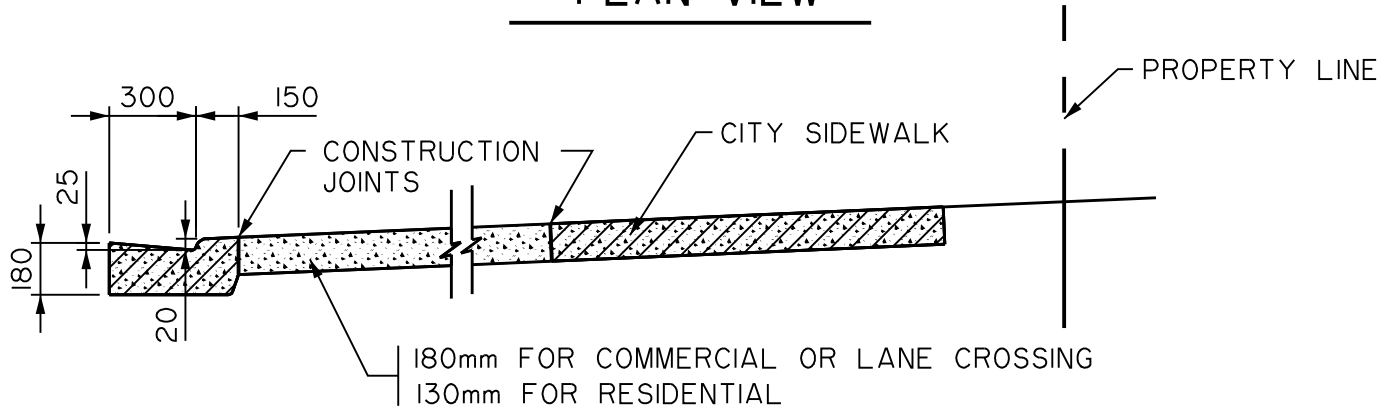
TYPICAL SIDEWALK AND CROSSWALK
LAYOUT OF SMALLER ISLANDS AND
MEDIANS LESS THAN 6 METRES WIDE

DRAWN:	C.R.S.
DESIGN:	C.R.S.
CHECKED:	B.L.H.
APPROVED:	B.L.H.
SCALE:	N.T.S.
DATE:	10/11/1991
DWG NO:	STR 11.3

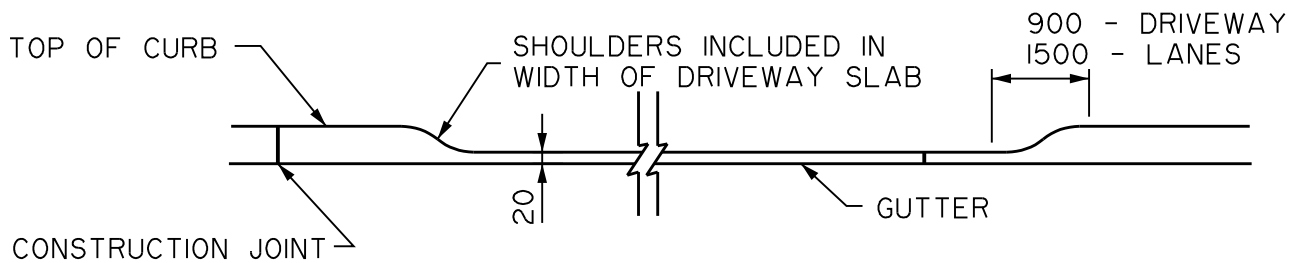
DATE	REVISION	BY
02/16	ADDED NOTE	RJK
FILE:	str_11.3.dwg	




PLAN VIEW

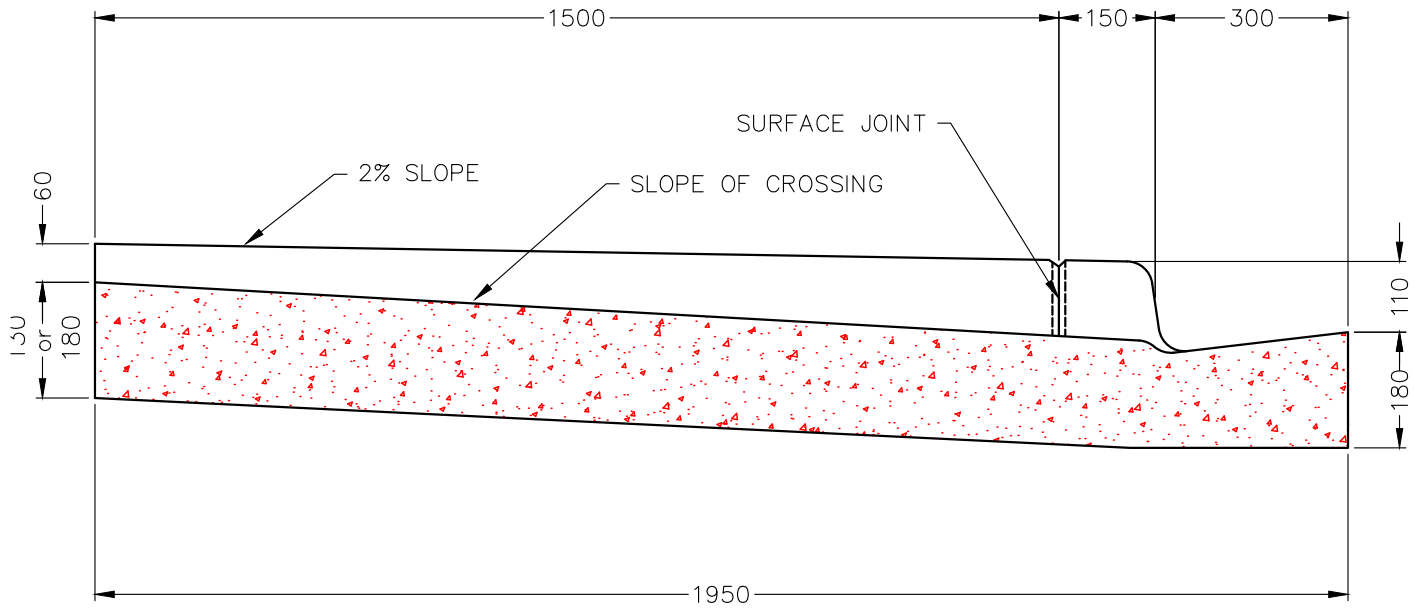


CROSS SECTIONAL VIEW



FRONT VIEW OF CURB

REV: CHANGED CURB HEIGHT TO 20	 City of Lethbridge INFRASTRUCTURE	DRAWN	jrg
		CHECKED	
	APPROVED		
	SCALE	N.T.S.	
	DATE	99/05/03	
CONCRETE CROSSING BETWEEN SEPARATE SIDEWALK CURB AND GUTTER		REV. DATE	99/12/14
		DWG NO	STR_12



NOTE:

- ALL RADII TO BE 40mm
- RESIDENTIAL CROSSING TO BE MIN. 130mm THICK
- LANE OR COMMERCIAL CROSSING TO BE MIN. 180mm THICK

DATE	REVISION	BY
04/16	1.5m SIDEWALK	R.J.K.
FILE:	str_13.dwg	

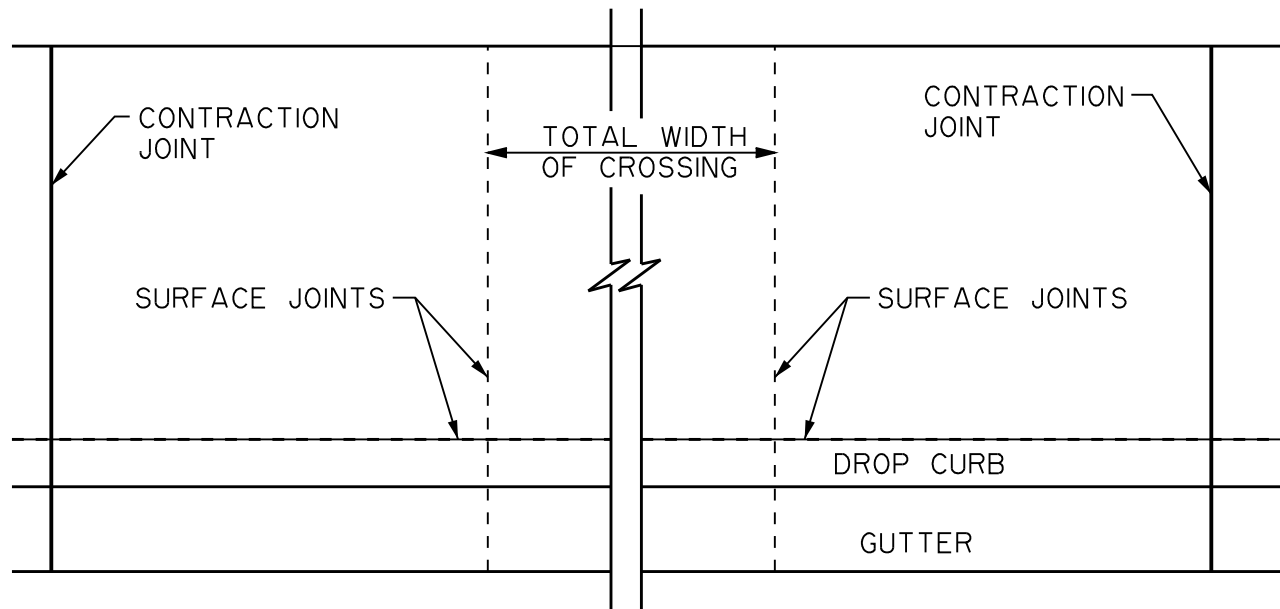


CITY OF
Lethbridge

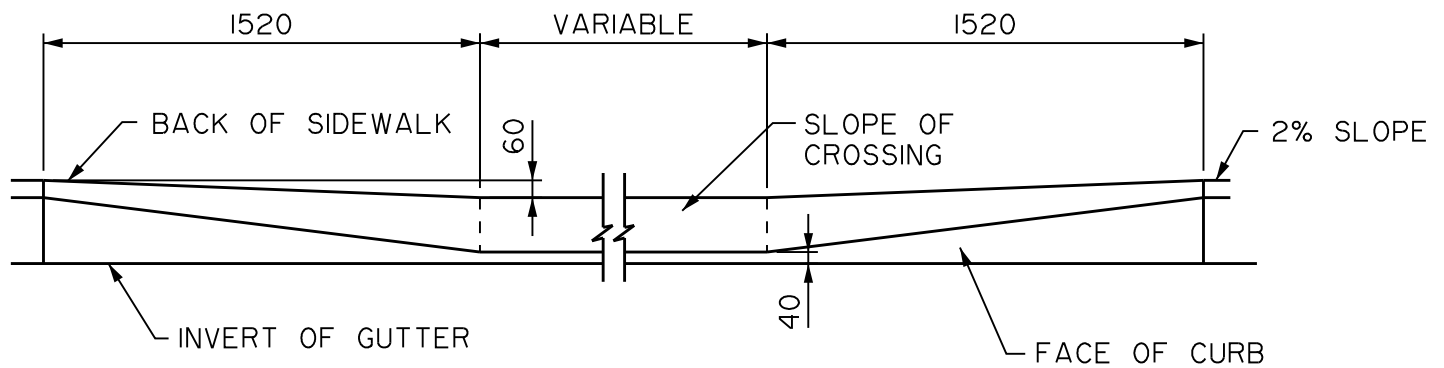
INFRASTRUCTURE SERVICES

LANE OR PRIVATE CROSSING
THROUGH COMBINED SIDEWALK
STANDARD CURB AND GUTTER

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	4/29/2016
DWG NO:	STR 13



PLAN VIEW



FRONT VIEW

NOTE:
- BRUSH FINISH SURFACE

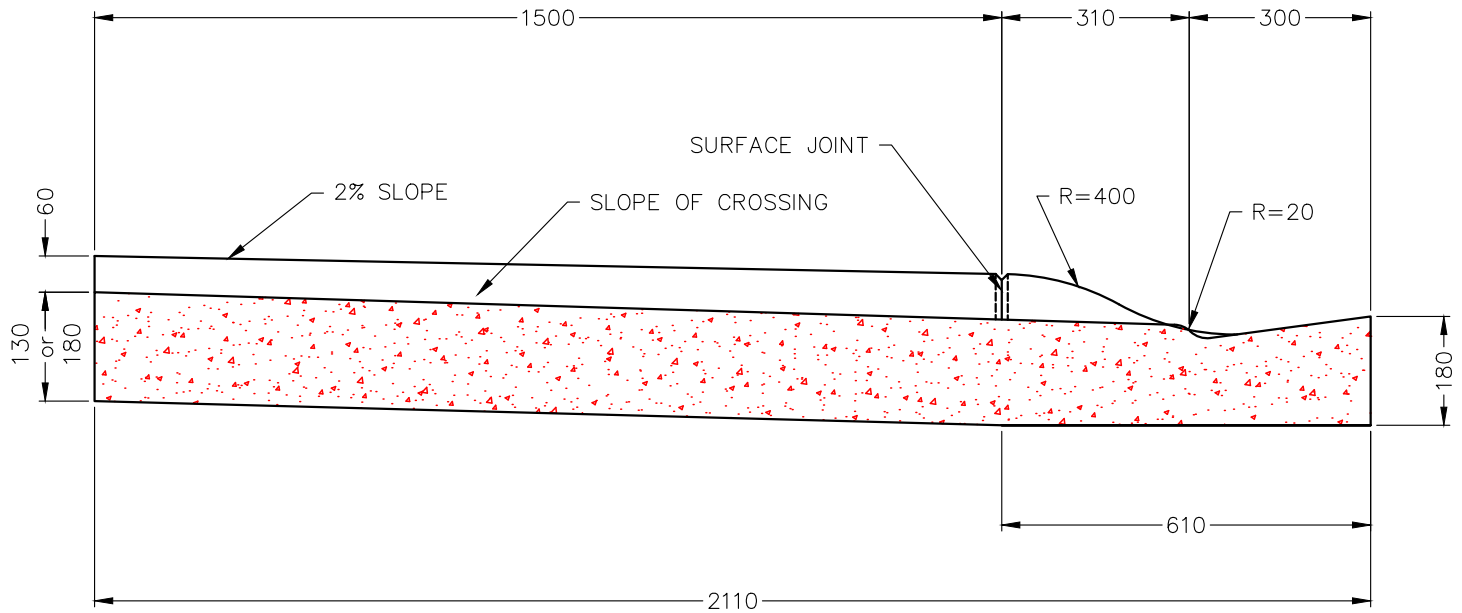


City of Lethbridge
INFRASTRUCTURE

**CROSSING THROUGH COMBINED SIDEWALK
STANDARD OR ROLLED CURB AND GUTTER**

DRAWN	jrg
CHECKED	
APPROVED	
SCALE	N.T.S.
DATE	99/05/03
REV. DATE	
DWG NO	

STR_13_1



NOTE:
 - RESIDENTIAL CROSSING TO BE MIN. 130mm THICK.
 LANE OR COMMERCIAL CROSSING TO BE MIN.
 180mm THICK.

DATE	REVISION	BY
04/16	1.5m SIDEWALK	R.J.K.
FILE:	str_14.dwg	

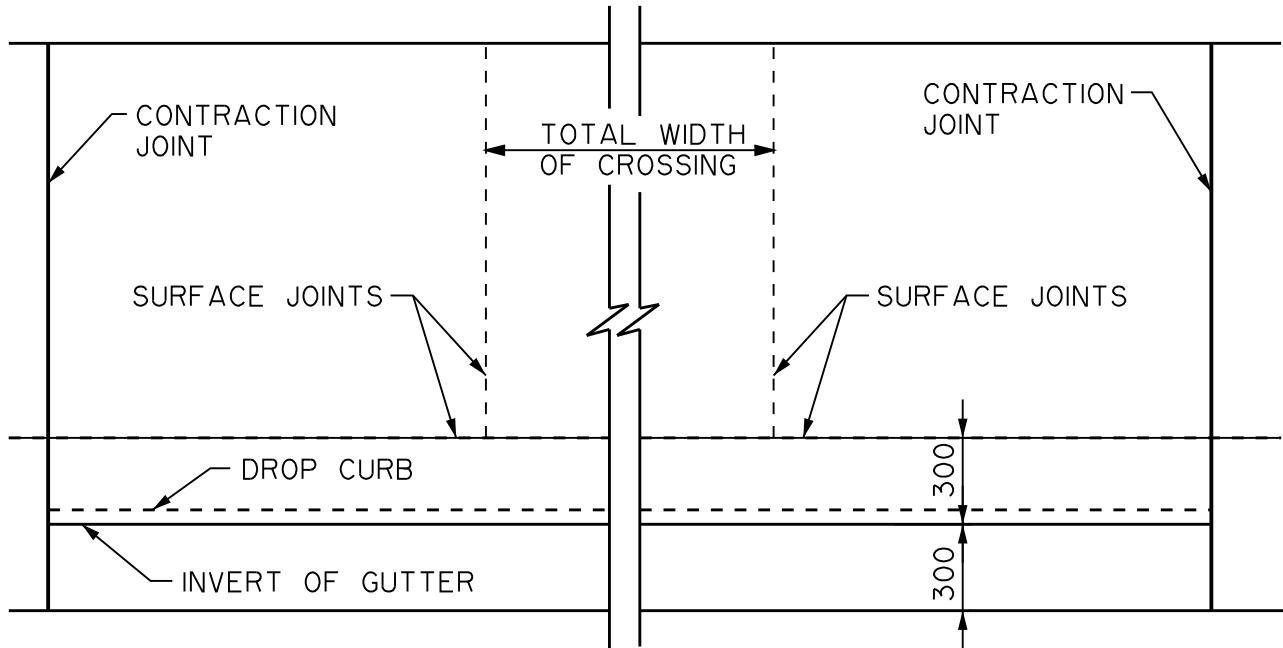


CITY OF
Lethbridge

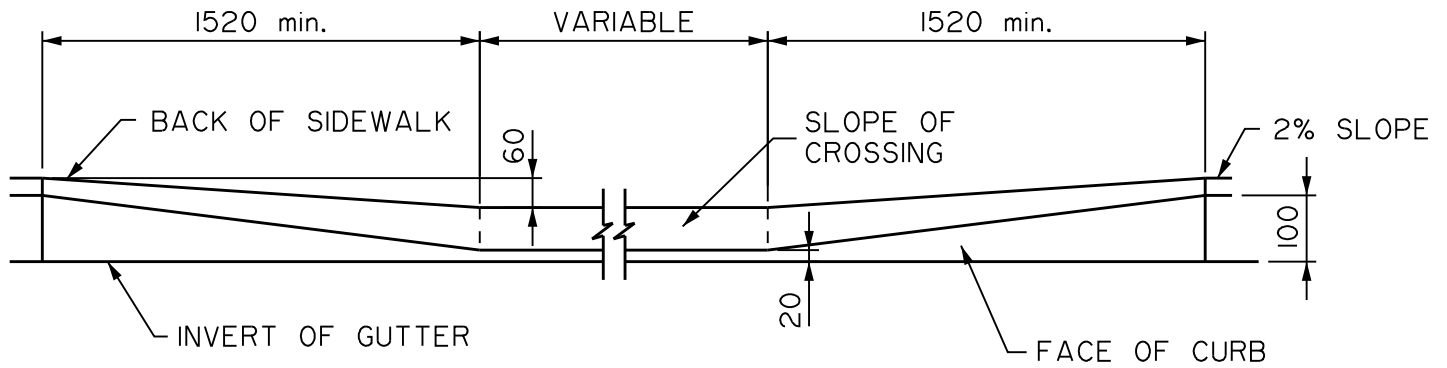
INFRASTRUCTURE SERVICES

CROSSING THROUGH COMBINED
 SIDEWALK ROLLED CURB AND GUTTER

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	4/29/2016
DWG NO:	STR 14




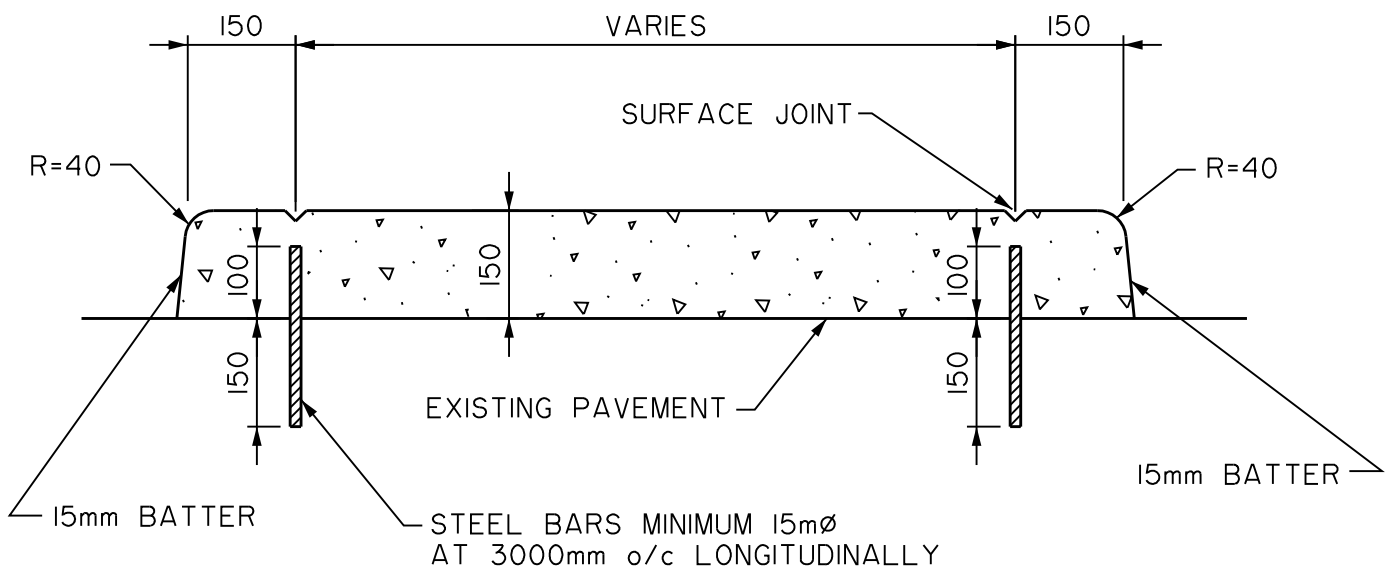
PLAN VIEW



FRONT VIEW

NOTE:
- BRUSH FINISH SURFACE

REVI: CHANGED CURB HEIGHT TO 20. BACK TO 60	 City of Lethbridge INFRASTRUCTURE	DRAWN	jrg	
		CHECKED		
	CROSSING THROUGH COMBINED SIDEWALK STANDARD ROLLED CURB AND GUTTER		APPROVED	
			SCALE	N.T.S.
			DATE	99/05/03
		REV. DATE		
		DWG NO	STR_14_1	



- NOTE:**
- SURFACE CUTS AT 3000mm
 - DEEP CUTS TO BE AT 15240mm
 - BRUSH FINISH

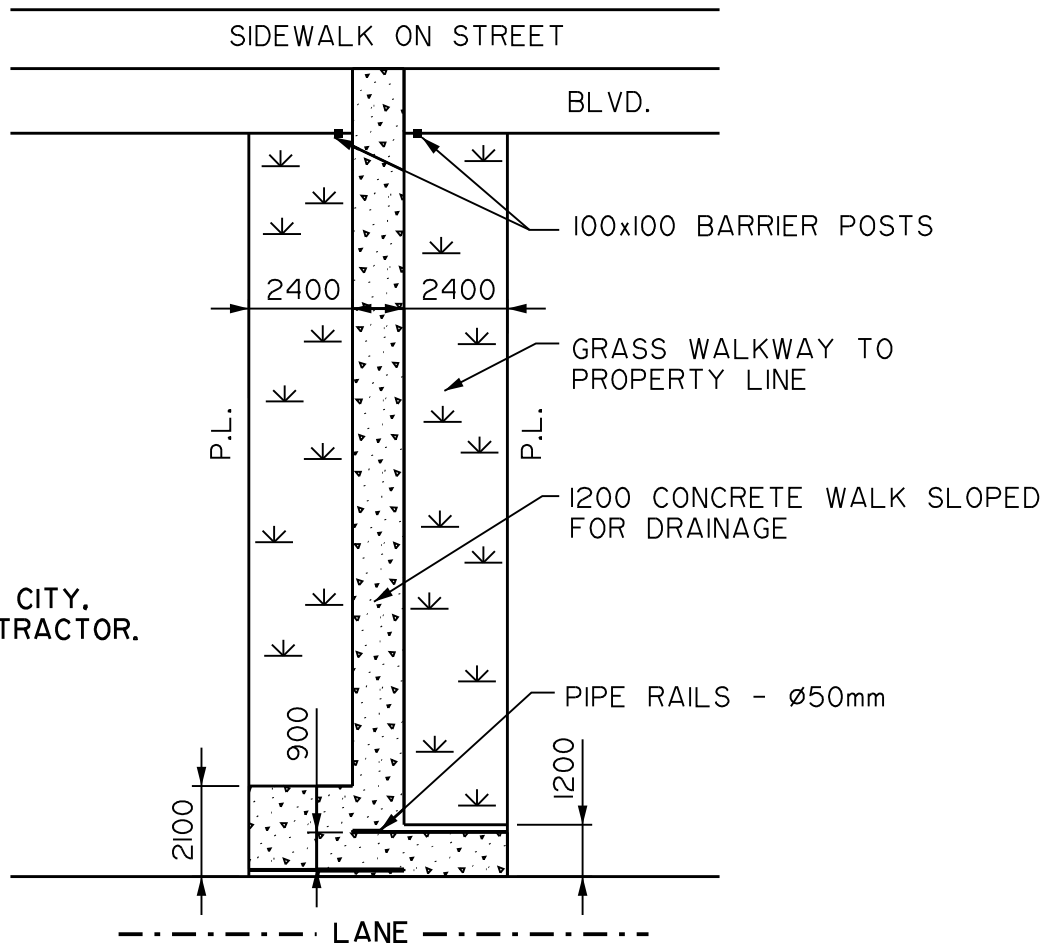


City of Lethbridge
INFRASTRUCTURE

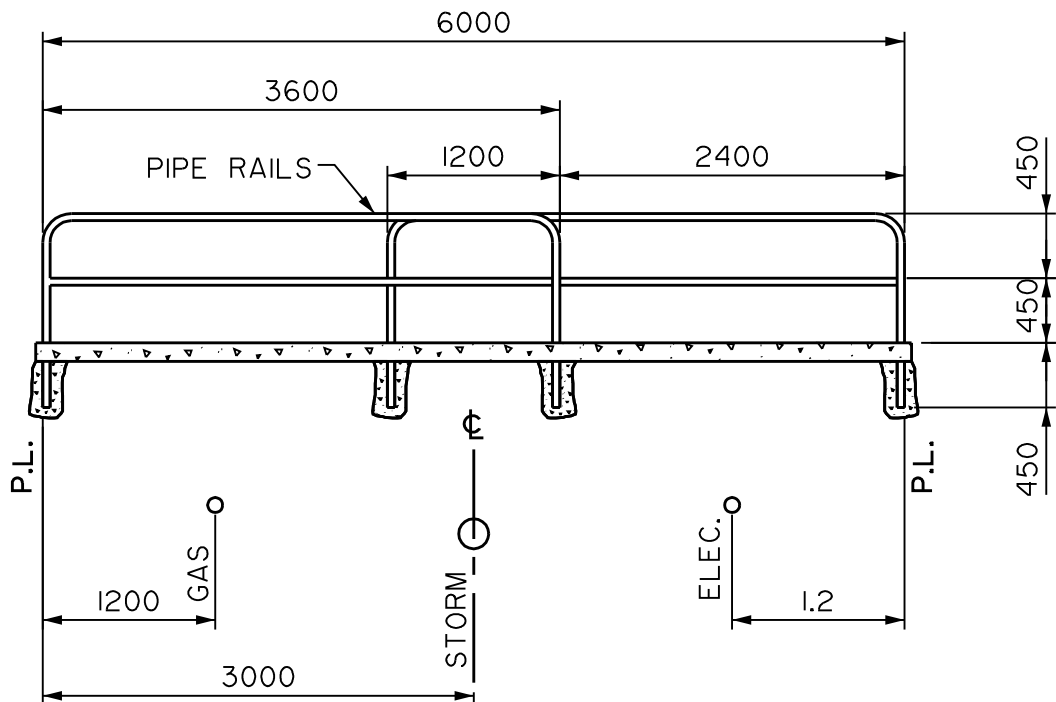
CONCRETE MEDIAN

APPROVED BY SUBDIVISION
 REVIEW COMMITTEE FEB. 22/80

DRAWN	jrg
CHECKED	
APPROVED	
SCALE	N.T.S.
DATE	99/05/03
REV. DATE	
DWG NO	STR_15



NOTE:
 - RAILS SUPPLIED BY CITY,
 INSTALLED BY CONTRACTOR.



City of Lethbridge
 INFRASTRUCTURE

SIDEWALK DETAIL OF WALKWAY

DRAWN jrg

CHECKED

APPROVED

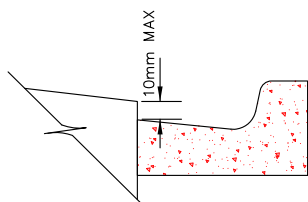
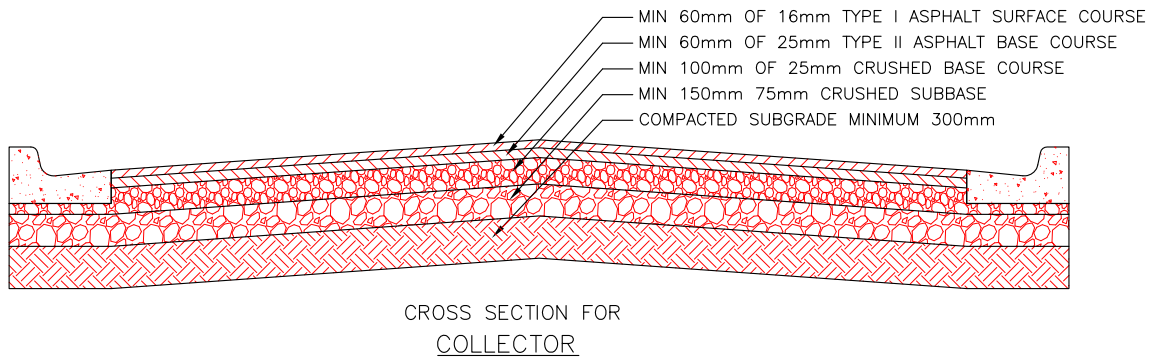
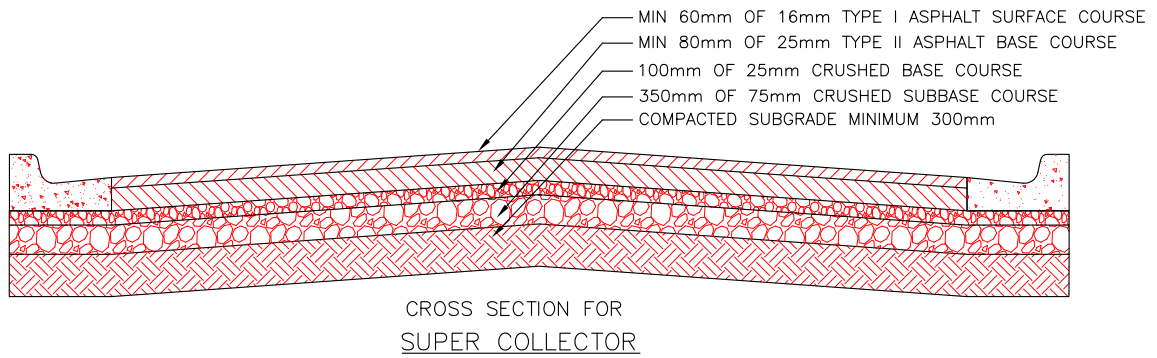
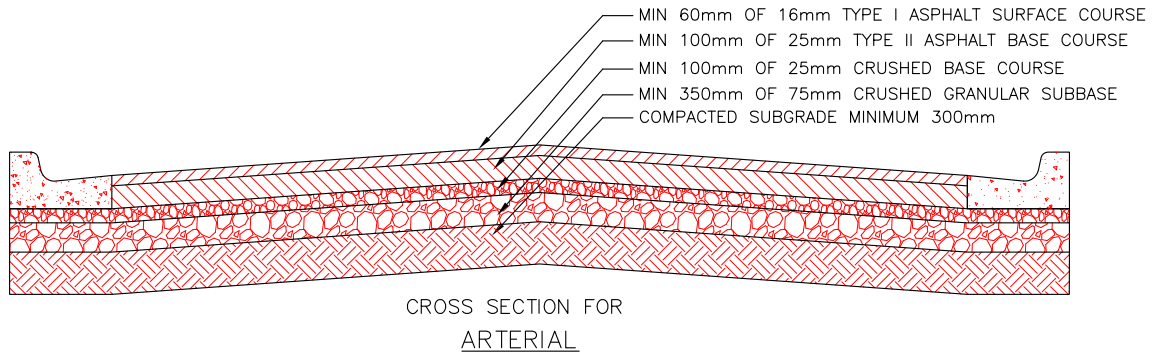
SCALE N.T.S.

DATE 99/05/03

REV. DATE

DWG NO

STR_17



DESIGN THICKNESS OF
 ASPHALT TO CURB

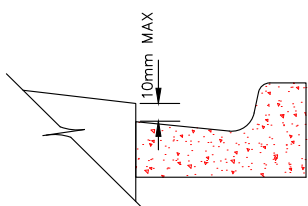
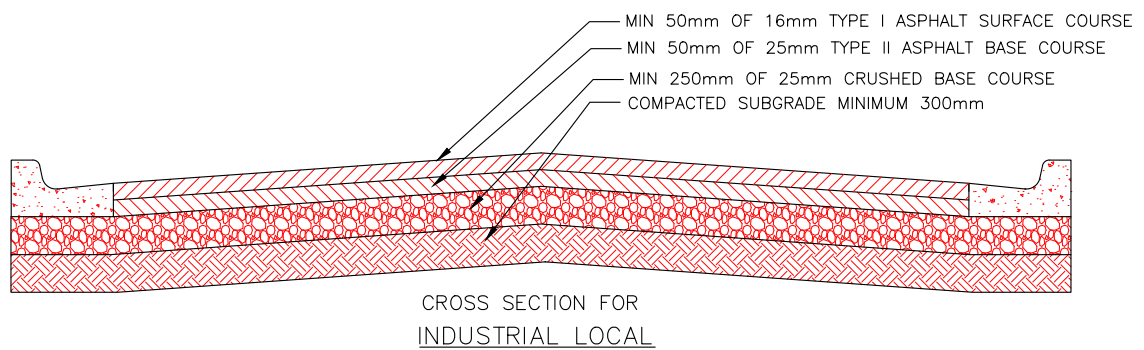
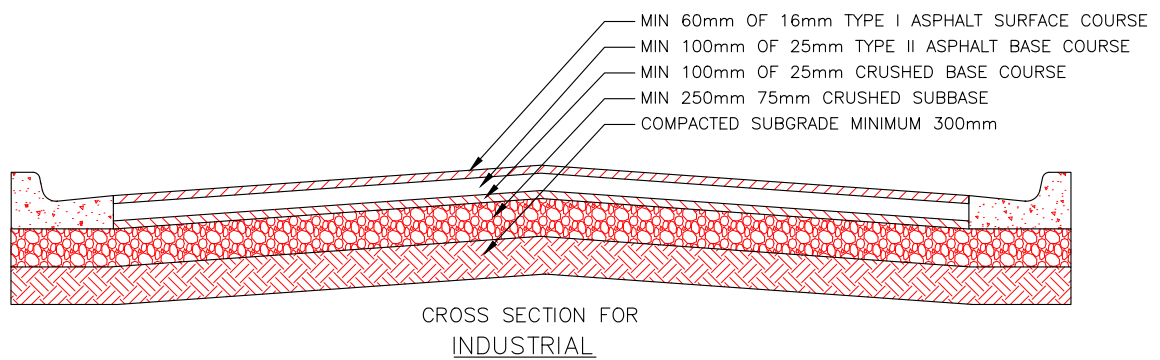
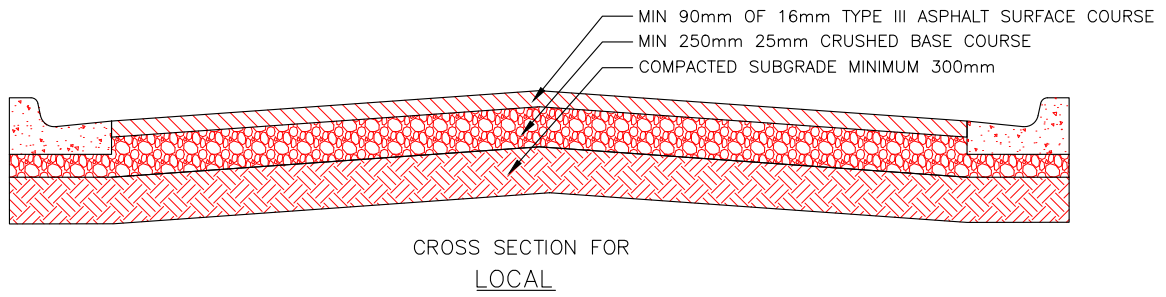


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

PAVEMENT STRUCTURES

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	24/01/2001
DWG NO:	STR 18a



DESIGN THICKNESS OF
 ASPHALT TO CURB



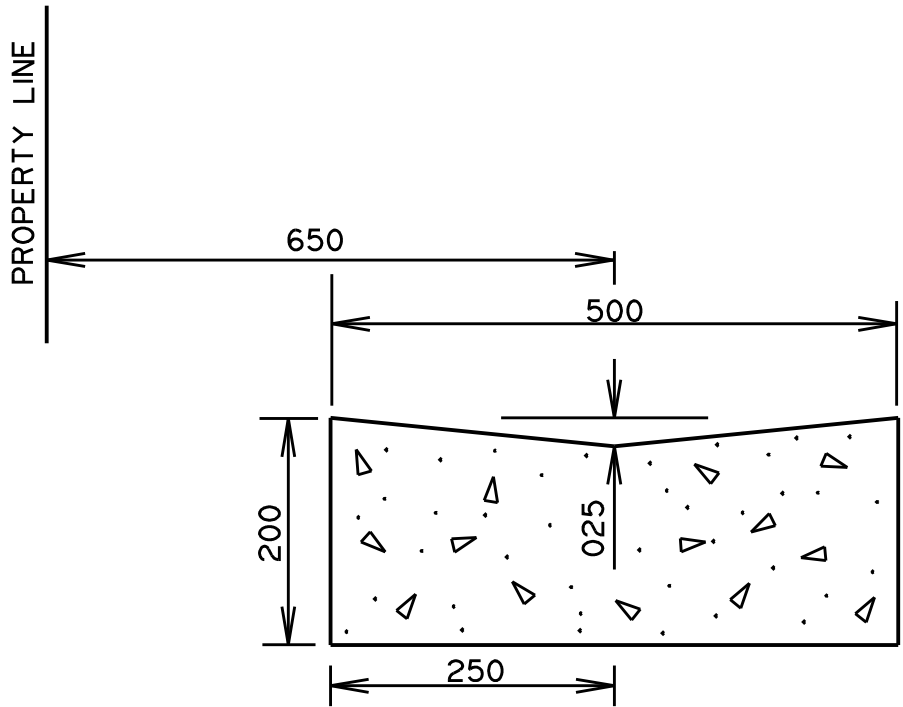
CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

PAVEMENT STRUCTURES

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	24/01/2001
DWG NO:	STR 18b

FILE: str_18.dwg

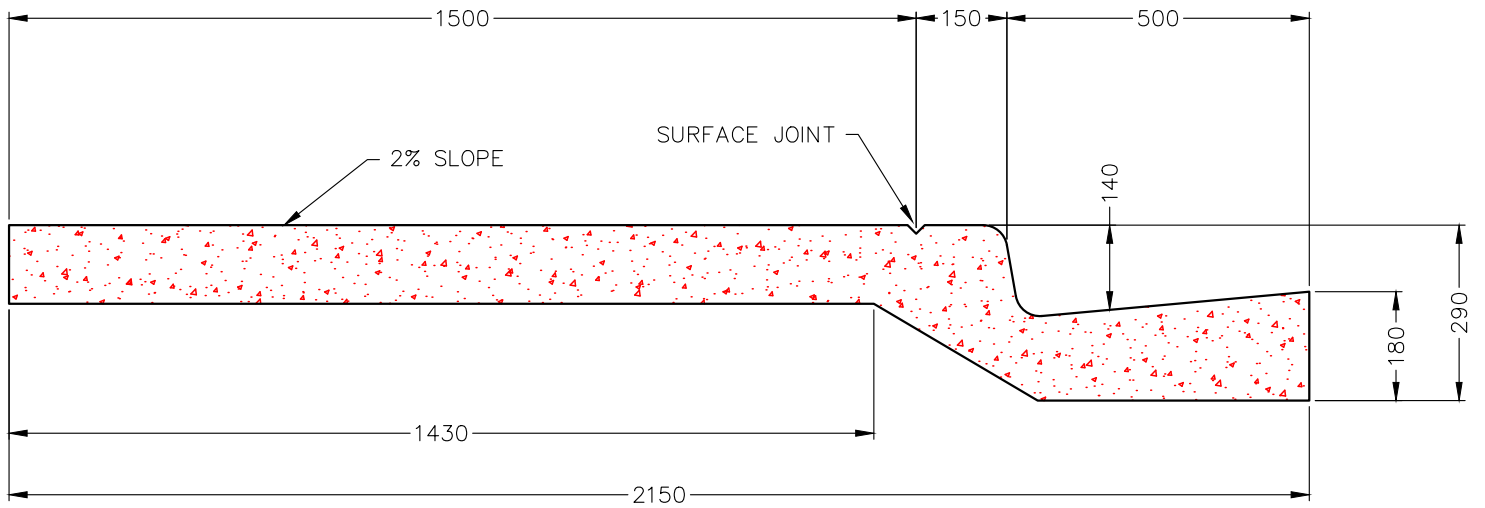


CITY OF
Lethbridge

INFRASTRUCTURE

CONCRETE GUTTER SWALE

DRAWN	R.S.I.
CHECKED	D.M.M.P.
APPROVED	
SCALE	N.T.S.
DATE	97/01/31
DWG NO	STR-20



NOTE:
 - ALL RADII = 40mm

DATE	REVISION	BY
04/16	1.5m SIDEWALK	R.J.K.
FILE:	str_23.dwg	

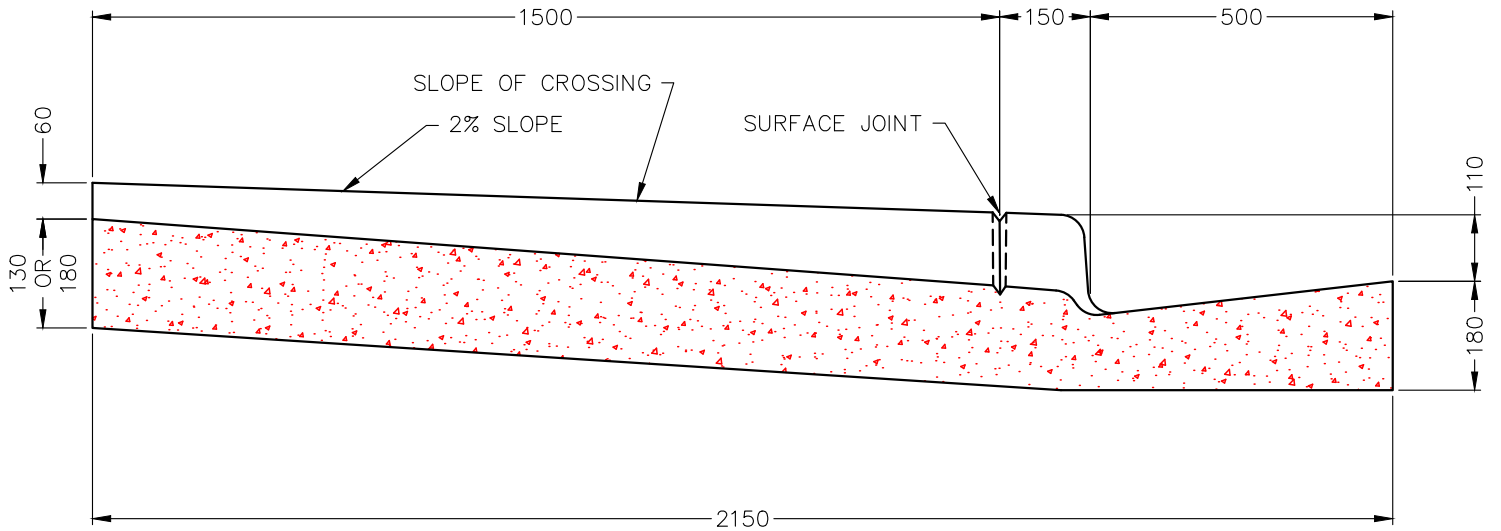


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

COMBINED SIDEWALK STANDARD
 CURB & GUTTER 500mm PAN

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	4/29/2016
DWG NO:	STR 23



NOTE: - ALL RADII TO BE 40mm.
 - RESIDENTIAL CROSSING TO BE MIN. 130mm THICK
 - LANE OR COMMERCIAL CROSSING TO BE MIN. 180mm THICK.

DATE	REVISION	BY
04/16	1.5m SIDEWALK	R.J.K.
FILE:	str_24.dwg	

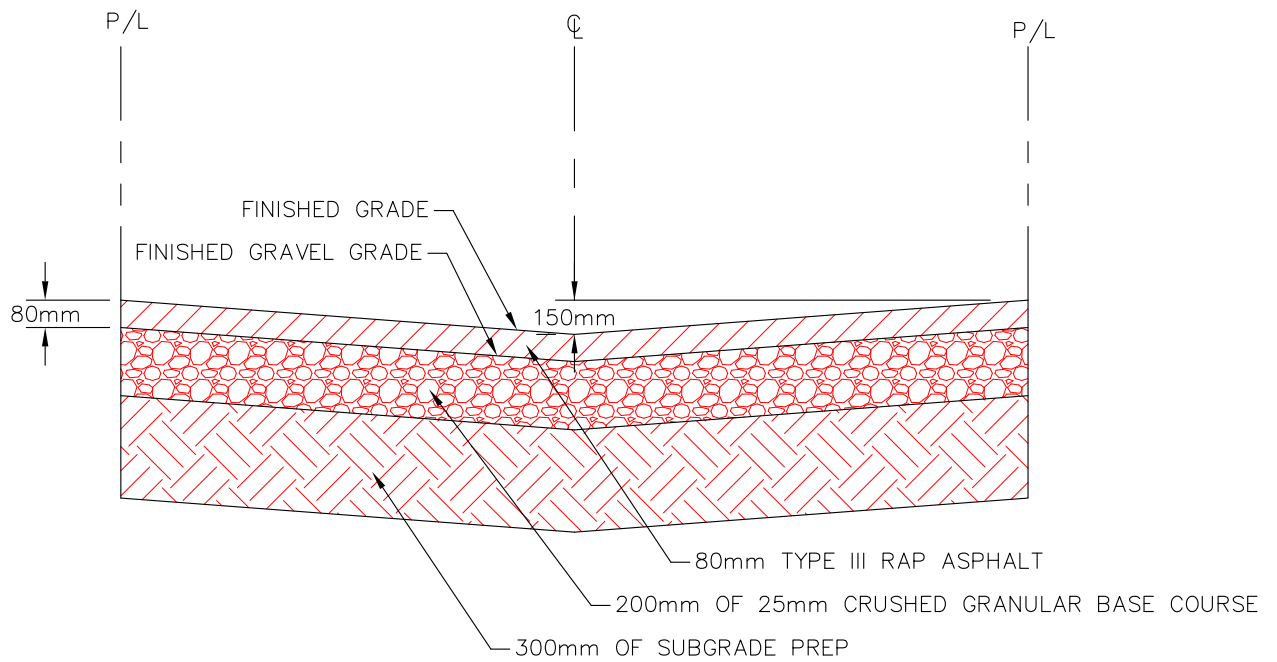


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

LANE OR PRIVATE CROSSING THROUGH
 COMBINED SIDEWALK STANDARD CURB
 & GUTTER 500mm PAN

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	4/29/2016
DWG NO:	STR 24



NOTE: -USE 100mm OF TYPE III RAP ASPHALT FOR ALL LANES IN
 SOLID WASTE COLLECTION ROUTES
 -MINIMUM 1% PROFILE SLOPE ON CENTRELINE

DATE	REVISION	BY
01/10	UPDATE	R.J.K.
03/14	300mm SUBGRADE	R.J.K.
12/15	ADDED MIN. SLOPE	R.J.K.
FILE:	str_26.dwg	

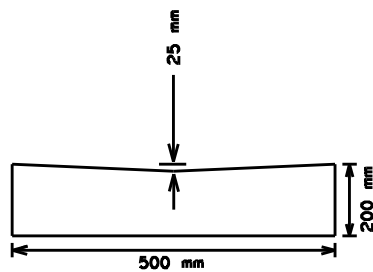
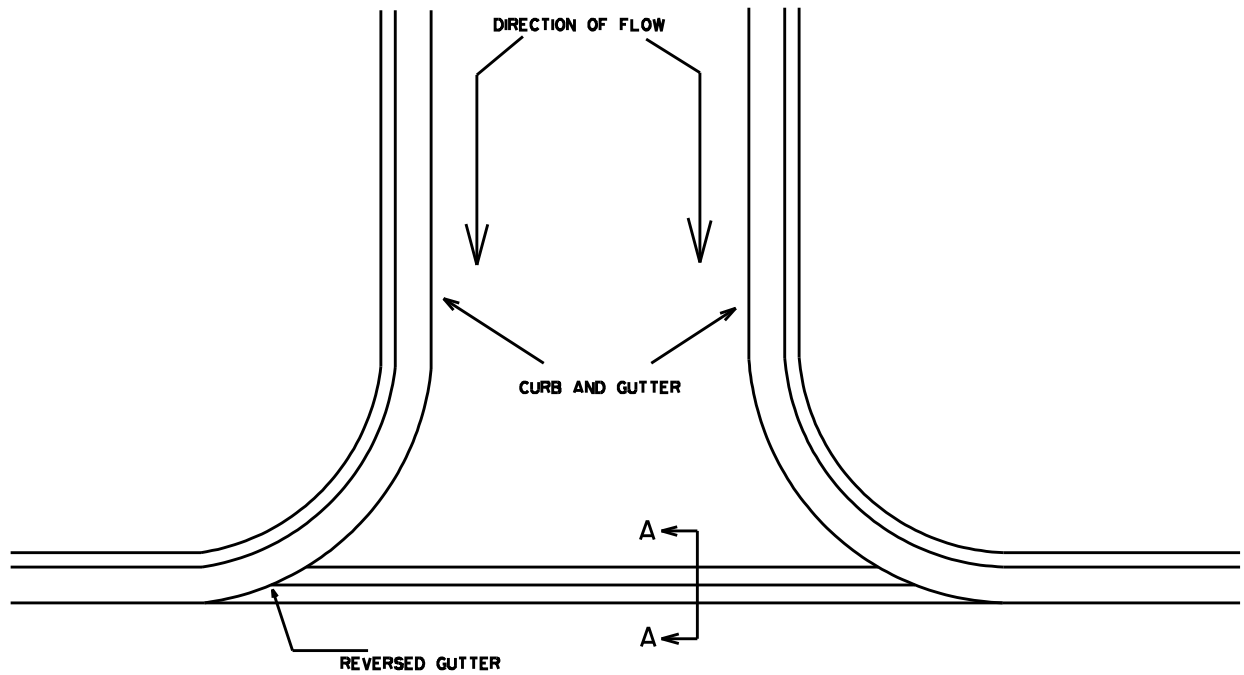


CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

TYPICAL PAVED LANE CONSTRUCTION

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	S.K.M.
APPROVED:	R.A.B.
SCALE:	N.T.S.
DATE:	27/01/2010
DWG NO:	STR_26



SECTION A-A

NOTE:

- shall be used for rolled and standard curb and gutter
- 20 MPa concrete
- shall be placed on base to conform with street standards
- to be used only where drop across intersection is less than 2%



City of Lethbridge
INFRASTRUCTURE

STANDARD CONCRETE INVERT
CROSSING - ON STREETS

DRAWN R.S.I.

CHECKED

APPROVED

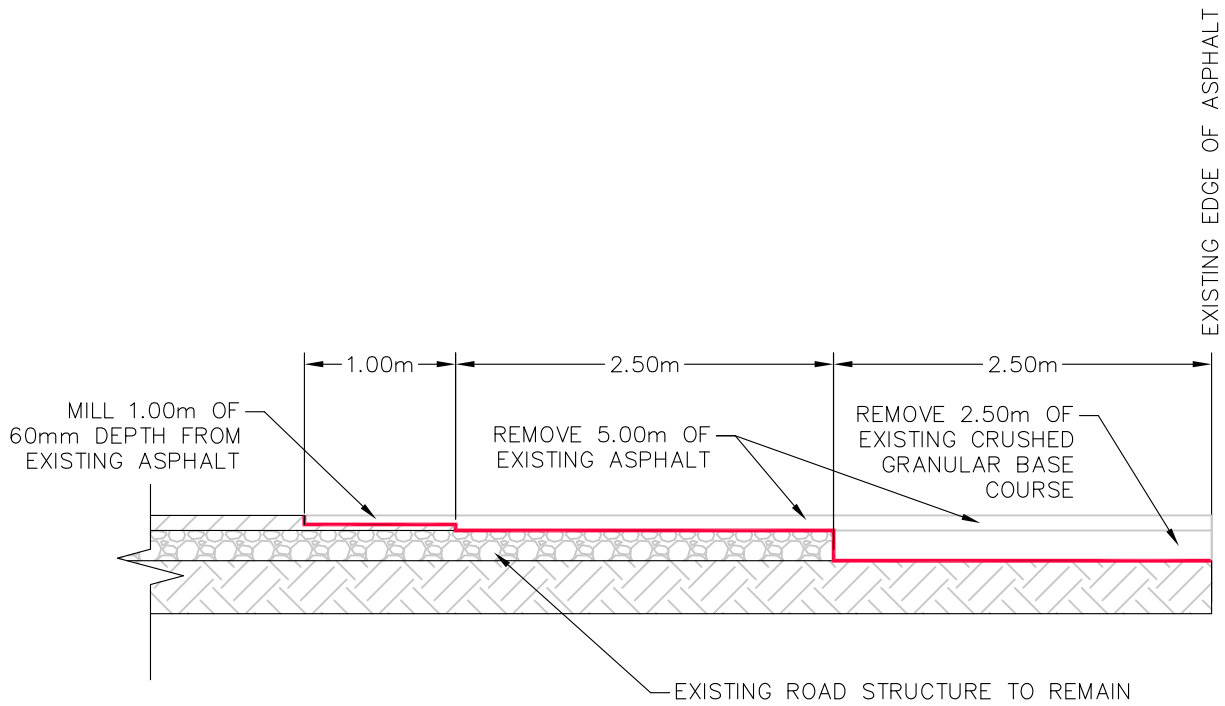
SCALE N.T.S.

DATE 97/01/30

REV. DATE 97/01/30

DWG NO

STR_27



CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

ROAD EXTENSION BETWEEN PHASES

DRAWN: R.J.K.

DESIGN: R.J.K.

CHECKED: R.A.B.

APPROVED: D.L.J.

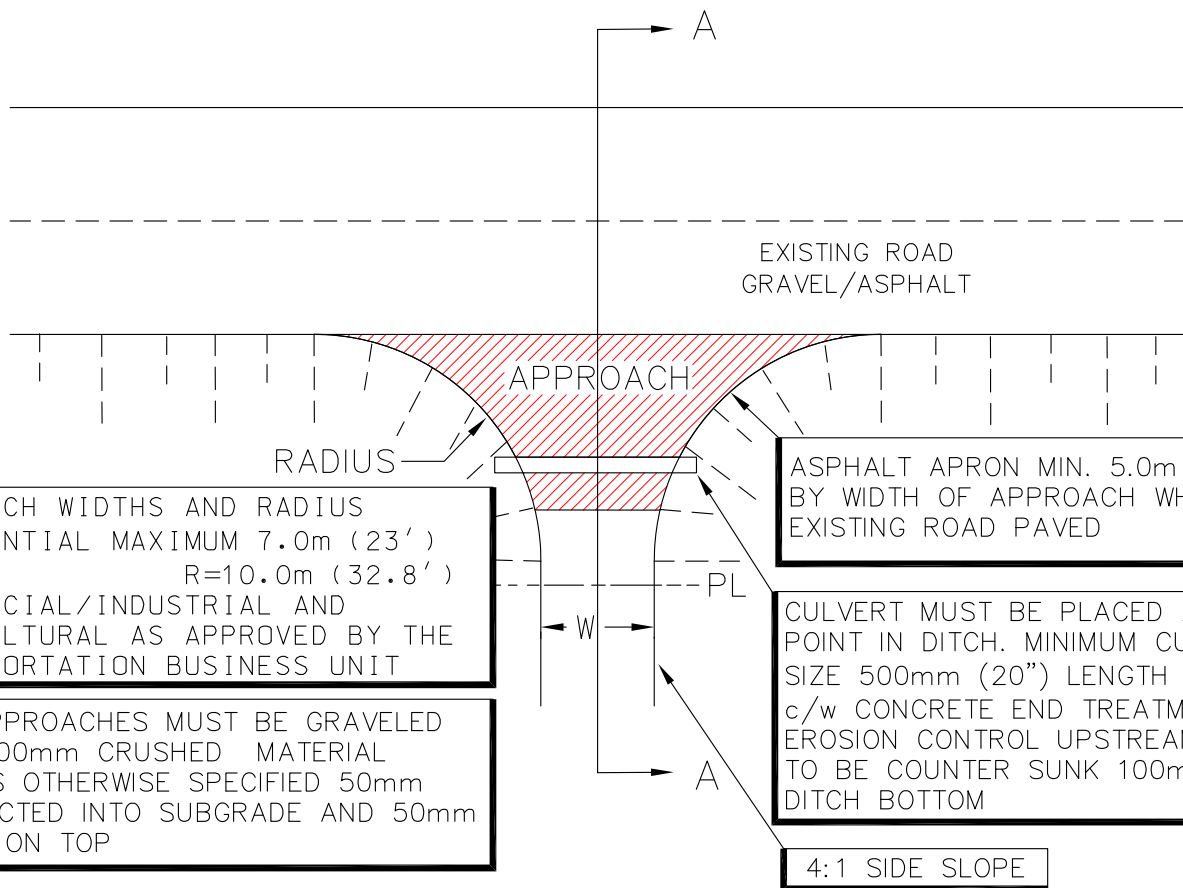
SCALE: N.T.S.

DATE: 14/02/2011

DWG NO: STR_30

DATE	REVISION	BY

FILE: str_30.dwg



APPROACH WIDTHS AND RADIUS
 RESIDENTIAL MAXIMUM 7.0m (23')
 R=10.0m (32.8')
 COMMERCIAL/INDUSTRIAL AND
 AGRICULTURAL AS APPROVED BY THE
 TRANSPORTATION BUSINESS UNIT

ALL APPROACHES MUST BE GRAVELED
 WITH 100mm CRUSHED MATERIAL
 UNLESS OTHERWISE SPECIFIED 50mm
 COMPACTED INTO SUBGRADE AND 50mm
 LOOSE ON TOP

ASPHALT APRON
 MIN. 80mm DEPTH ACCEPTABLE QUALITY
 ASPHALT PLACED ON MIN. 200mm
 COMPACTED GRANULAR MATERIAL (GRAVEL)

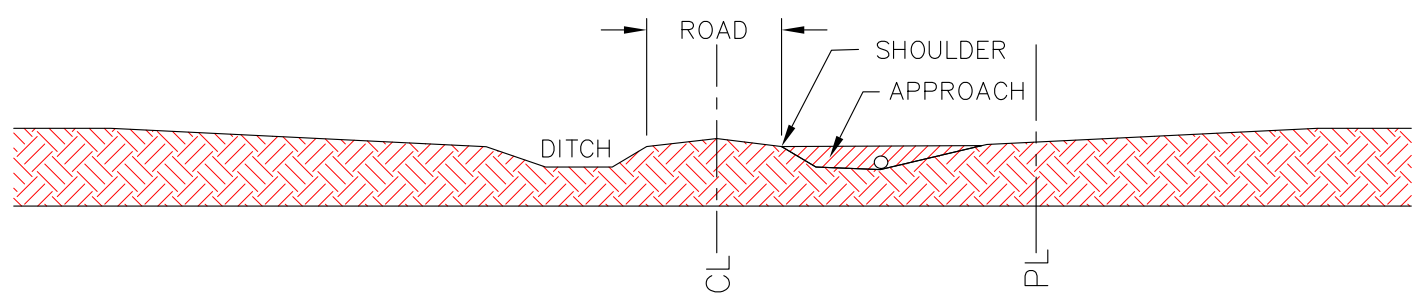
ASPHALT APRON MIN. 5.0m LENGTH
 BY WIDTH OF APPROACH WHEN
 EXISTING ROAD PAVED

CULVERT MUST BE PLACED AT LOW
 POINT IN DITCH. MINIMUM CULVERT
 SIZE 500mm (20") LENGTH TO SUIT
 c/w CONCRETE END TREATMENT AND
 EROSION CONTROL UPSTREAM INVERT
 TO BE COUNTER SUNK 100mm FROM
 DITCH BOTTOM

4:1 SIDE SLOPE

DITCH MUST HAVE A MINIMUM 4:1 SIDE
 SLOPE AND A MINIMUM 600mm DEPTH
 FROM ROAD SHOULDER WITH A MINIMUM
 1.0m DITCH BOTTOM

PLAN VIEW



CROSS SECTION A-A

DATE	REVISION	BY
12/06	REVISION	RJK
03/11	UPDATE	RJK



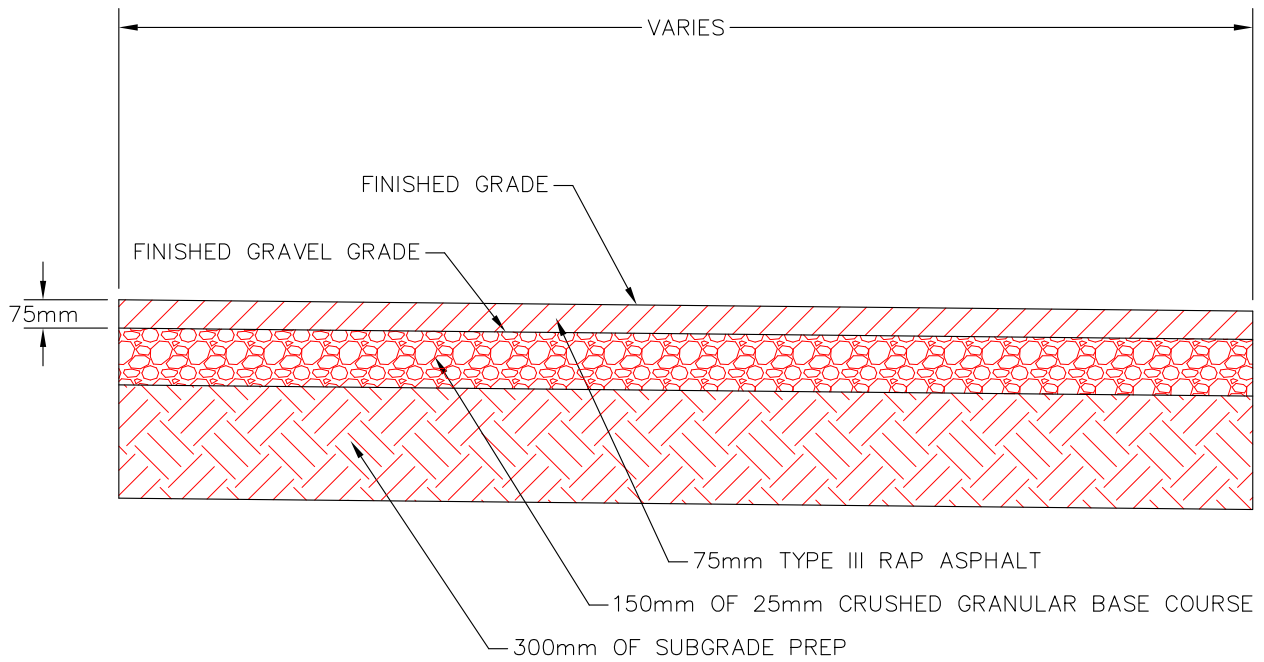
CITY OF
Lethbridge

INFRASTRUCTURE SERVICES

TYPICAL CROSS-SECTION
 PRIVATE APPROACH

DRAWN:	R.J.K.
DESIGN:	R.J.K.
CHECKED:	R.A.B.
APPROVED:	D.L.J.
SCALE:	N.T.S.
DATE:	02/03/2000
DWG NO:	STR_31

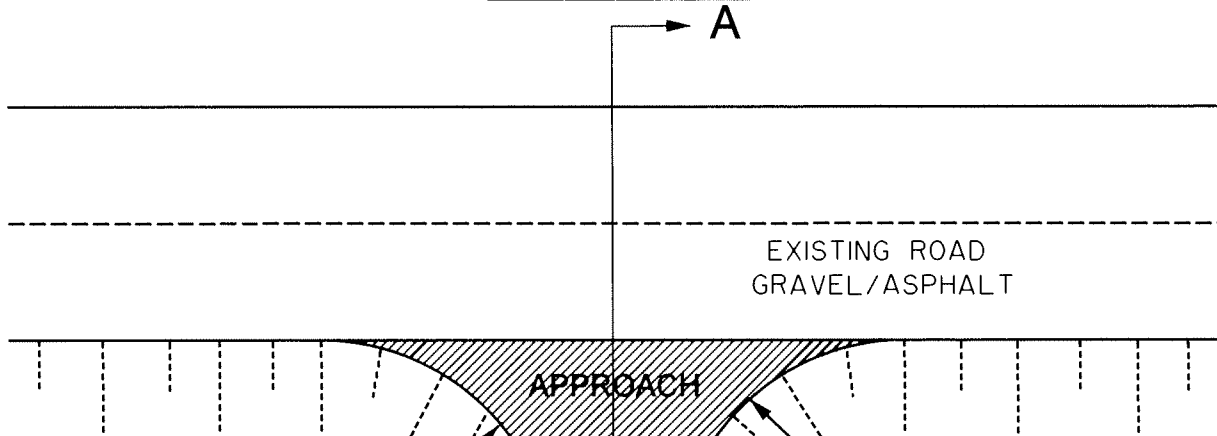
FILE: str_31.dwg



NOTE: SLOPE OF $\pm 2\%$ CROSSFALL

DATE	REVISION	BY	 <p>CITY OF <i>Lethbridge</i> INFRASTRUCTURE SERVICES</p>	DRAWN:	R.J.K.	
				TYPICAL PAVED PATHWAY CONSTRUCTION	DESIGN:	R.J.K.
					CHECKED:	R.A.B.
					APPROVED:	D.L.J.
					SCALE:	N.T.S.
					DATE:	15/11/2015
					DWG NO:	STR_38
FILE:	str_38.dwg					

PLAN VIEW



APPROACH WIDTHS AND RADIUS
 RESIDENTIAL MAXIMUM 7.0m (23')
 R=10.0m (32.8')
 COMMERCIAL/INDUSTRIAL & AGRICULTURAL
 AS APPROVED BY THE TRANSPORTATION
 BUSINESS UNIT

ASPHALT APRON MIN. 5.0m LENGTH
 BY WIDTH OF APPROACH WHEN
 EXISTING ROAD PAVED

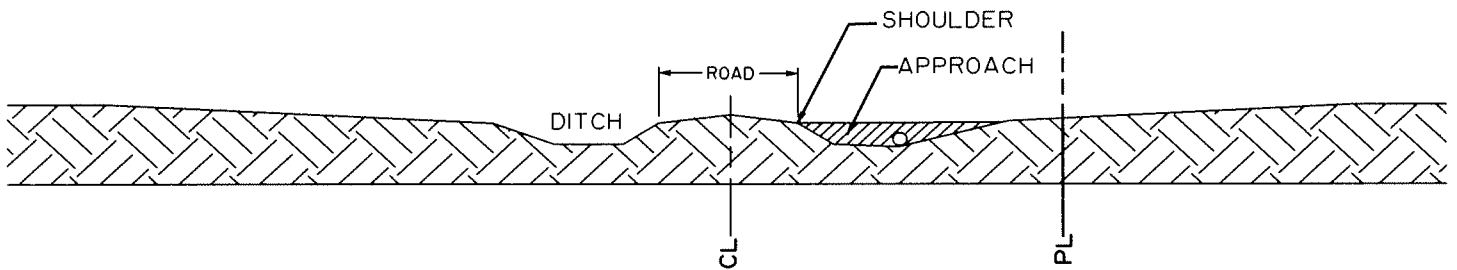
CULVERT MUST BE PLACED
 AT LOW POINT IN DITCH.
 MINIMUM CULVERT SIZE 500mm (20")
 LENGTH TO SUIT c/w CONCRETE END
 TREATMENT AND EROSION CONTROL
 -UPSTREAM INVERT TO BE COUNTER
 SUNK 100mm FROM DITCH BOTTOM


4:1 SIDE SLOPE

ALL APPROACHES MUST BE
 GRAVELED WITH 100mm CRUSHED
 MATERIAL UNLESS OTHERWISE SPECIFIED
 -50mm COMPACTED INTO SUBGRADE
 AND 50mm LOOSE ON TOP

ASPHALT APRON
 MIN. 80mm DEPTH ACCEPTABLE QUALITY
 ASPHALT PLACED ON MIN. 200mm
 COMPACTED GRANULAR MATERIAL (GRAVEL)

CROSS SECTION A-A



	CITY OF <i>Lethbridge</i>	INFRASTRUCTURE	DRAWN	R. J. K.
			CHECKED	R. A. B.
TYPICAL CROSS-SECTION PRIVATE APPROACH			APPROVED	
			SCALE	N. T. S.
			DATE	00/02/03
			REV. DATE	06/12/12
			DWG NO	rds00_04.dgn