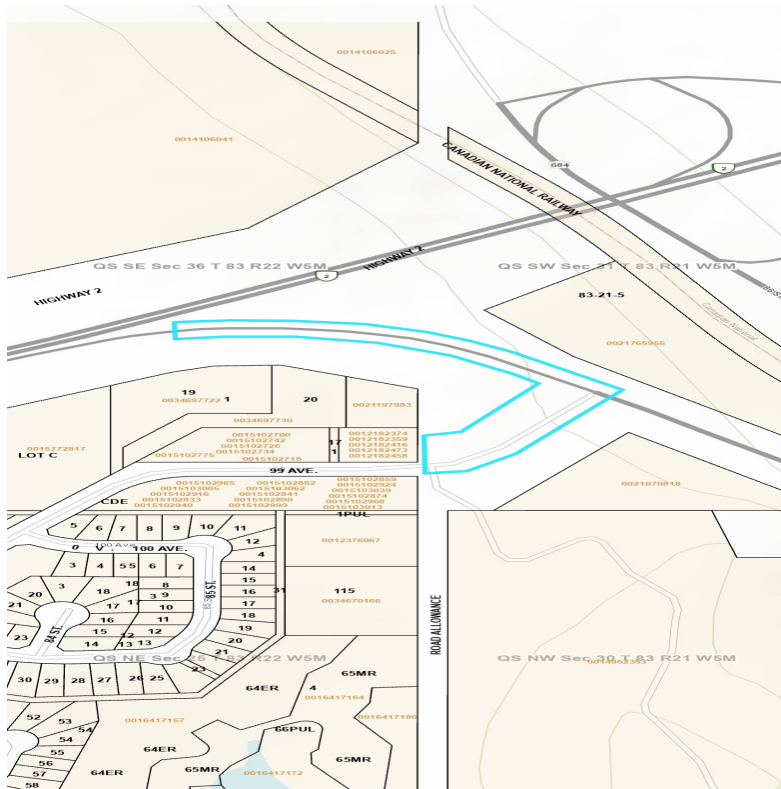


Transportation and Economic Corridors Permit

Request for Development Permit - Within Highway Right of Way
in Proximity of a Provincial Highway - **Approved**

Permit Number:	2023-0008403	Highway(s):	2
Issued to (Permittee):	McElhanney Ltd. For: Town of Peace River coloughlin@mcelhanney.com/ athomas@peacriver.ca		
Legal Land Location:	QS-SW SEC-31 TWP-083 RGE-21 MER-5	Municipality:	Peace River
Approved By:	Mary Crowley	Issuing Office:	Peace Region / Peace River
Issued Date:	2023-04-14 13:13:32		
Description of Development:	Roadside Development permit for work adjacent to Old Highway 2/Highway 2 offramp at 99 Avenue West in Peace River, Ab. Work will include trail development, culvert install, two (2) new crosswalks (Old Highway 2 & 99 Ave W), added signage including RRFB at Old Highway 2 crosswalk. See plans for reference.		



Transportation and Economic Corridors Permit No. **2023-0008403** is issued to the above named Permittee under authority of Section 14 of the *Highways Development and Protection Act* (the Act) authorizing the development(s) listed herein, and a further application is required for any changes or additions.

The approved site plan forms a part of this permit and any changes to the approved site plan will require an amendment or a new permit application.

This permit is subject to the following terms and conditions, which should be carefully reviewed:

1. This permit is subject to the provisions of Section 11-19 inclusive of the Highways Development and Protection Act (Chapter H-8.5 2004), amendments thereto, and Highways Development and Protection Regulation (Alberta Regulation 326/2009) and amendments thereto.
2. This permit is issued subject to any other municipal, provincial, or federal approvals that may be required. Issuance of a permit by Transportation and Economic Corridors does not guarantee the permittee will be able to obtain other required approvals and does not excuse violation of any regulation, bylaw, or Act that may affect the proposed development.
3. All works authorized by this permit shall be constructed, altered, maintained or operated at the sole expense of the Permittee.

4. In consideration of the permit issued in respect to this development, the Permittee shall indemnify and hold harmless Transportation and Economic Corridors, its employees and agents from any and all claims, demands, actions and costs whatsoever that may arise, directly or indirectly from anything done or omitted to be done in the construction, maintenance, alteration or operation of the works authorized.
 5. The Permittee shall conform to the approved site plan. Failure to conform to the approved site plan without an approved amendment may result in enforcement measures as laid out in the Act
 6. The Permittee is responsible for the ongoing maintenance and operation of all infrastructure related to the proposed work.
 7. Durable markings must be used for the "zebra" crossing.
 8. All disturbed areas adjacent to the highway surface must be reclaimed and reseeded in an acceptable manner. Please refer to Design Bulletin #25/2005 for the appropriate seed mix. The holder of this permit must ensure that all equipment is regularly cleaned off in order to prevent the spread of all invasive plant species that are listed in the Alberta Weed Control Act. The Permittee is responsible for any weed control in the disturbed area for a period of one year following completion of the topsoil and seeding.
 9. The Permittee or their contractor shall contact the Maintenance Contract Inspector (MCI) Erwin Kurz at 780-618-6015:
 - a. at least two (2) full working days prior to commencing work on Transportation rights-of-way to review signing and safety; and
 - b. at least two (2) full working days prior to completion of construction to inspect site clean-up and restoration of disturbed areas.
 10. A detailed Traffic Accommodation Strategy (TAS) must be provided to Transportation and Economic Corridors for review and acceptance a minimum of ten (10) business days prior to commencing work. The requirements of the TAS can be found in the most current version of the department manual entitled Traffic Accommodation in Work Zones. The Permittee will be responsible for providing any necessary measures to safely accommodate traffic through the work area and Permittee shall monitor the traffic control measures to ensure that the traffic accommodation strategy (TAS) is performing as intended and adjustments to the TAS may be necessary to address unanticipated situations. If field adjustments to this are made during this project, please submit a copy of the amended TAS for review and acceptance at your earliest convenience. You must remove and/or cover all signs when work is not in progress. Transportation will not supply signs.
 11. Transportation and Economic Corridors is under no obligation to reissue a permit if the development is not commenced before expiry of this permit
 12. All damages to any highways and/ or highway right of ways which may occur resulting from operations under this permit shall be immediately rectified by the Permittee. No equipment or materials shall be stored on the shoulder, sideslope or backslope of the highway. Equipment accessing the right-of-way will access only from existing high grade approaches. Where there is no permanent access the Permittee shall use rig mats to access the site from the shoulder of the highway
 13. This permit approves only the development contained herein, and a further application is required for any changes or additions
- Failure to comply with the terms and conditions of this permit is an offense pursuant to Section 35 of the

Highways Development and Protection Regulation (the Regulation), and may result in enforcement or penalties as described in Section 55 of the Act and Section 35-36 of the Regulation.

This permit is valid for a period of **two years from the date of issuance**. If the works authorized by this permit have not commenced within this timeframe, the permit expires and the Permittee must submit a request for an extension, or reapply for a new permit, if they wish to proceed. Transportation and Economic Corridors is under no obligation to reissue a permit if the development is not commenced before expiry of this permit.

Please contact Transportation and Economic Corridors through [RPATH application](#) if you have any questions, updates, additions, or require additional information.



Issued by **Mary Crowley**, , on **2023-04-14 13:13:32** on behalf of the Minister of Transportation and Economic Corridors pursuant to *Ministerial Order 52/20 – Department of Transportation and Economic Corridors Delegation of Authority*



ISSUED FOR TENDER REVIEW
FEBRUARY 28, 2023

99 AVENUE WEST TRAIL DEVELOPMENT

TOWN OF PEACE RIVER, ALBERTA



McElhanney

Unit 201
13455 114 Avenue
Edmonton AB
Canada T5M 2E2
Tel 780 809 3200

PH (780) 809 3200
FAX (780) 452 7033



UTILITY LOCATES
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DRAWING INDEX

L000	COVER SHEET
L001	KEY PLAN & DRAWING INDEX
L101	SITE PREPARATION PLAN
L102	GRADING & LAYOUT PLAN
L301	LANDSCAPE DETAILS

KEY PLAN
 SCALE 1:5000

Rev	Date	Description	Drawn	Design	App'd
03	2023-02-28	ISSUED FOR TENDER REVIEW	JM	CO	CA
02	2023-01-18	ISSUED FOR TENDER REVIEW	JM	CO	CA
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ORIGINAL DWG SIZE: ANSI D (22" x 34")



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 13455 114 Avenue NW
 Edmonton AB
 Canada T5M 2E2
 Tel 780 809 3200

Permit

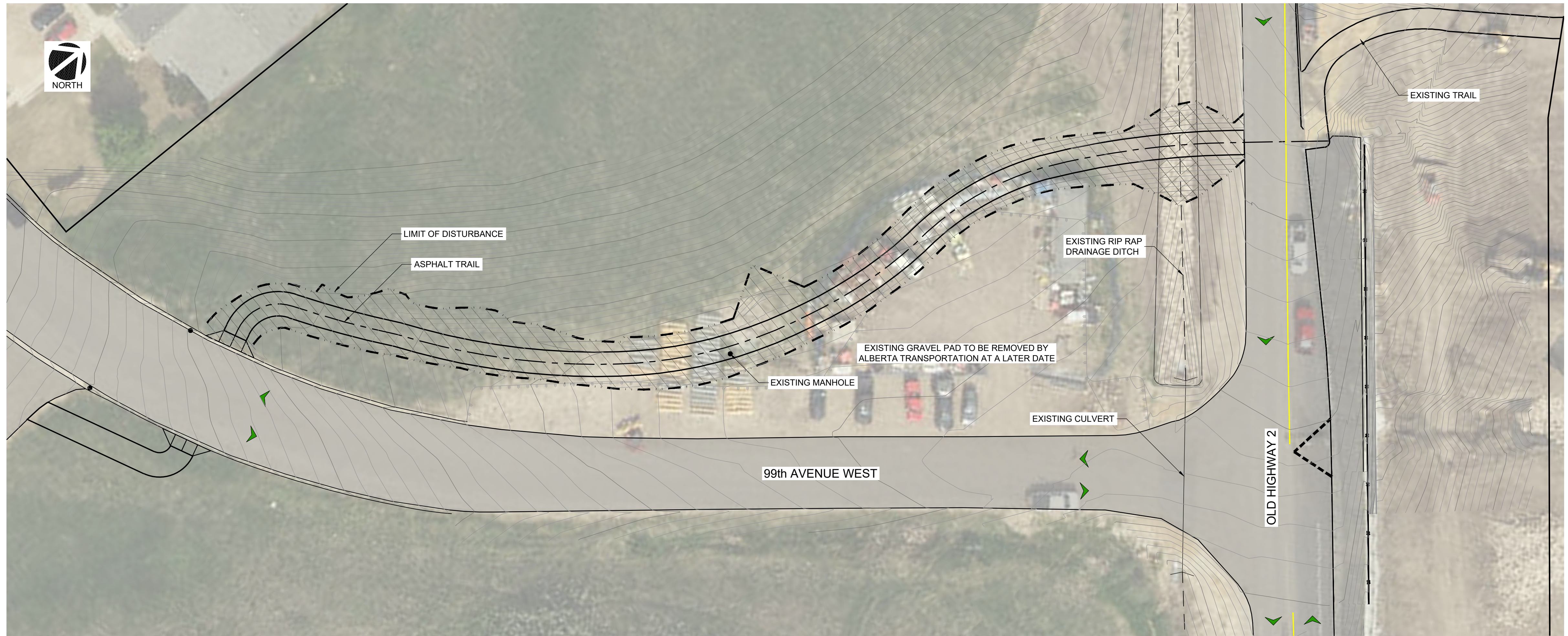
Approved Sealed

TOWN OF PEACE RIVER
 9911 100 Street, Peace River, AB, T8S 1S4

99 AVE WEST TRAIL DEVELOPMENT
 Key Plan & Drawing Index

PEACE RIVER, AB

Drawing No.	
L001	
Project Number	Rev.
2131-00611-05	03



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LEGEND

	TOPSOIL REMOVAL
	RIP RAP REMOVAL
	PROPERTY LINE
	EXISTING MAJOR CONTOUR - 1m
	EXISTING MINOR CONTOUR - 0.5m
	LIMIT OF DISTURBANCE
	EXISTING DRAINAGE SWALE
	EXISTING CULVERT
	EXISTING GUARD RAIL
	EXISTING JERSEY BARRIERS
	EXISTING FENCE
	EDGE OF EXISTING GRAVEL PAD

99th AVE WEST TRAIL - SITE PREPARATION PLAN

SCALE 1:300

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McElhanney

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Permit

Approved Sealed

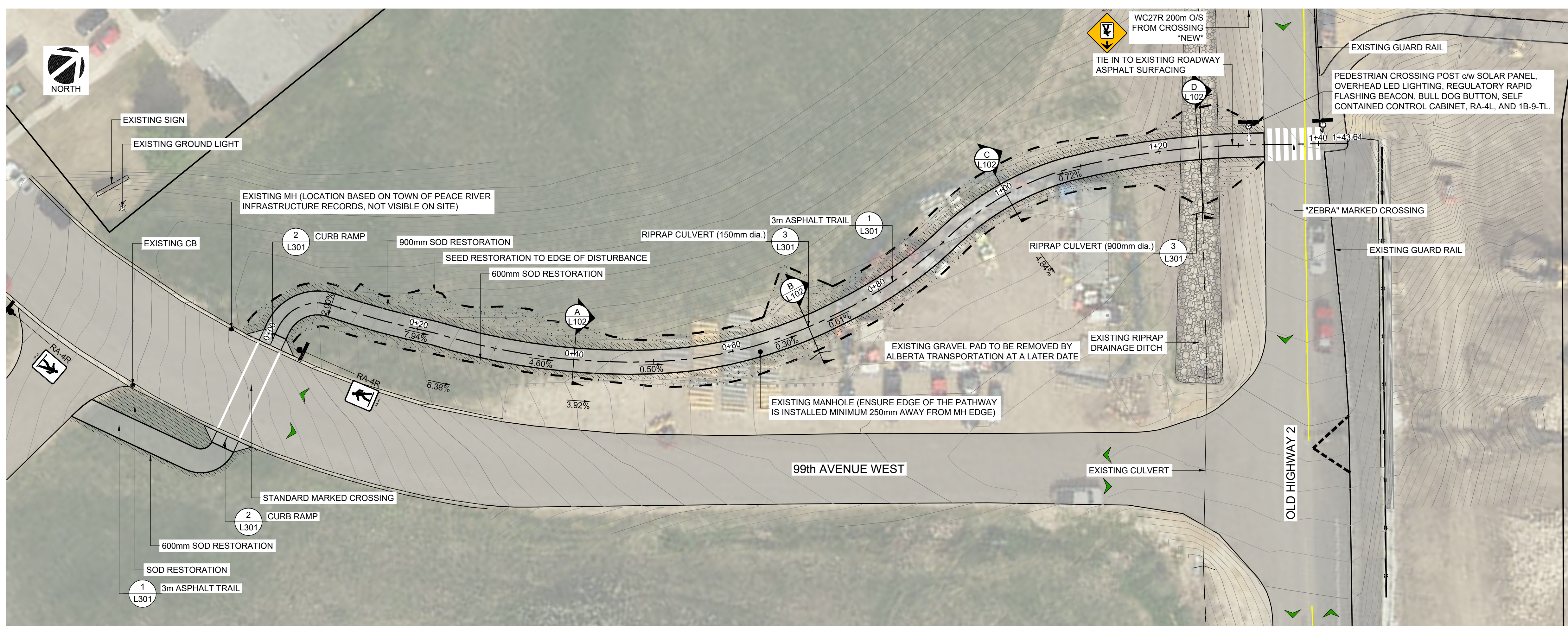
TOWN OF PEACE RIVER
 9911 100 Street, Peace River, AB, T8S 1S4

99 AVE WEST TRAIL DEVELOPMENT
 Site Preparation Plan

PEACE RIVER, AB

Drawing No.	L101
Project Number	2131-00611-05
Rev.	03

McElhanney D - 14-02-23



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- LEGEND**
- ASPHALT WALK
 - RIP RAP (EXISTING / REPURPOSED)
 - SOD ON 150mm DEPTH TOPSOIL. NOTE: SOD TO BACK OF CURB & EDGE OF SIDEWALKS. ENSURE SMOOTH TRANSITION WITH ADJACENT SURFACES.
 - SEED ON 150mm DEPTH TOPSOIL. NOTE: SOD TO BACK OF CURB & EDGE OF SIDEWALKS. ENSURE SMOOTH TRANSITION WITH ADJACENT SURFACES.
 - DRY MIXED WOOD**
 - 35% SLENDER WHEAT GRASS (*Agropyron trachycaulum*)
 - 20% FRINGED BROME (*Bromus ciliatus*)
 - 15% NORTHERN WHEAT GRASS (*Agropyron dasystachyum*)
 - 10% TUFTED HAIR GRASS (*Deschampsia cespitosa*)
 - 10% ROCKY MOUNTAIN FESCUE (*Festuca saximontana*)
 - 10% FOWL BLUEGRASS (*Poa palustris*)
 - BROADCAST SEED AT 20kg/ha**
 - PROPERTY LINE
 - EXISTING MAJOR CONTOUR - 1m
 - EXISTING MINOR CONTOUR - 0.5m
 - LIMIT OF DISTURBANCE
 - EXISTING DRAINAGE SWALE
 - EXISTING CULVERT
 - PROPOSED CULVERT
 - EXISTING GUARD RAIL
 - EXISTING JERSEY BARRIERS
 - EXISTING FENCE
 - EDGE OF EXISTING GRAVEL PAD
 - PROPOSED CURB RAMP
 - EXISTING GROUND LIGHT
 - PROPOSED OVERHEAD LIGHT
 - EXISTING CATCH BASIN / MANHOLE
 - PROPOSED SIGN
 - RA-4R PEDESTRIAN CROSSING SIGN
 - WC-27R PEDESTRIAN CROSSING AHEAD SIGN

99th AVE WEST TRAIL - GRADING & LAYOUT PLAN

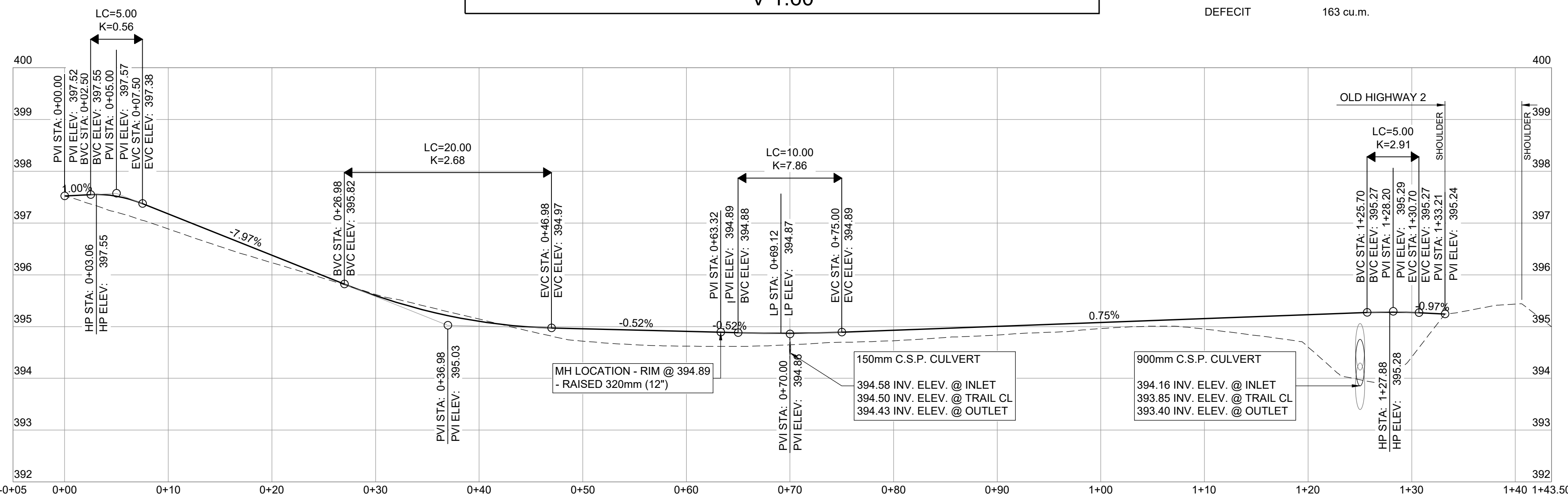
SCALE 1:300

- LEGEND**
- ORIGINAL GRADE PROFILE
 - PROPOSED TRAIL PROFILE

ALIGNMENT: AL-CL-PATH4
PROFILE VIEW: 3m TRAIL - VERTICAL ALIGNMENT PROFILE
 H 1:300
 V 1:60

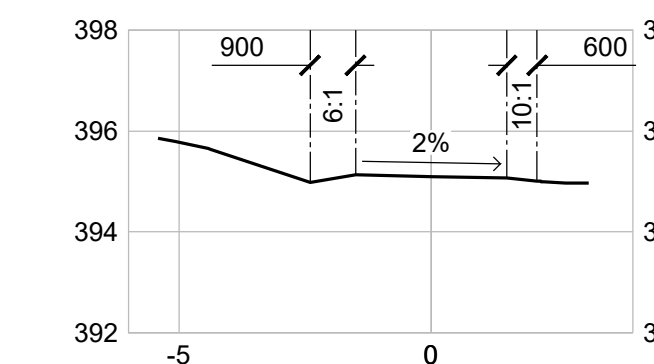
CUT FILL VOLUMES

CUT MATERIAL 32 cu.m.
 FILL MATERIAL 195 cu.m.
 DEFECIT 163 cu.m.

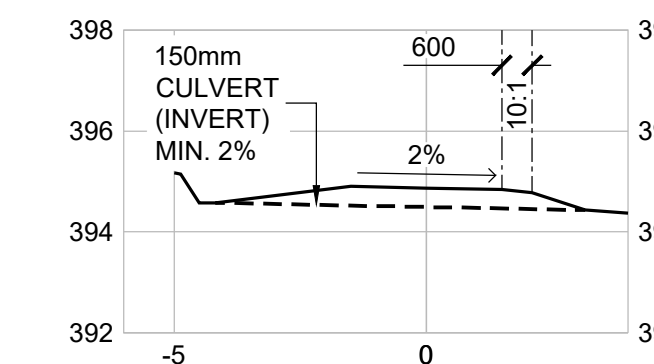


99th AVE TRAIL - TRAIL CENTERLINE PROFILE

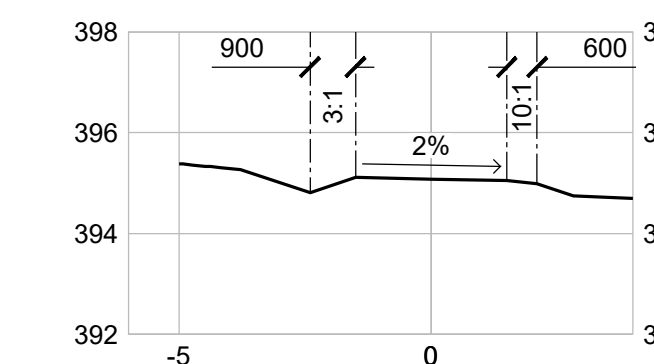
H 1:300
 V 1:60



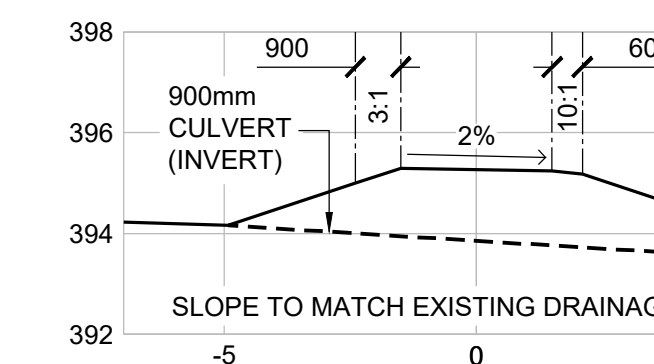
A TRAIL SECTION - STA 0+40
 STA 0+00 TO STA 0+65



B TRAIL SECTION - STA 0+70
 150mm dia. CULVERT



C TRAIL SECTION - STA 1+00
 STA 0+75 TO STA 1+33.2



D TRAIL SECTION - STA 1+25
 900mm dia. CULVERT

NOTES

- ALL DAYLIGHTING TO EXISTING GRADES 3:1

DATE: 2023-02-28 17:27 FILE: \\C:\Projects\0811-25-29-24-Res-Trail\Development\102-DRAWINGS\102-Landscape\Arch\102-1_Sheets\0811-25-29-24-Res-Trail-100.dwg

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03	2023-02-28	ISSUED FOR TENDER REVIEW	JM	CO	CA
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Permit

Approved Sealed

TOWN OF PEACE RIVER
 9911 100 Street, Peace River, AB, T8S 1S4
99 AVE WEST TRAIL DEVELOPMENT
 Grading & Layout Plan

Drawing No.

L102

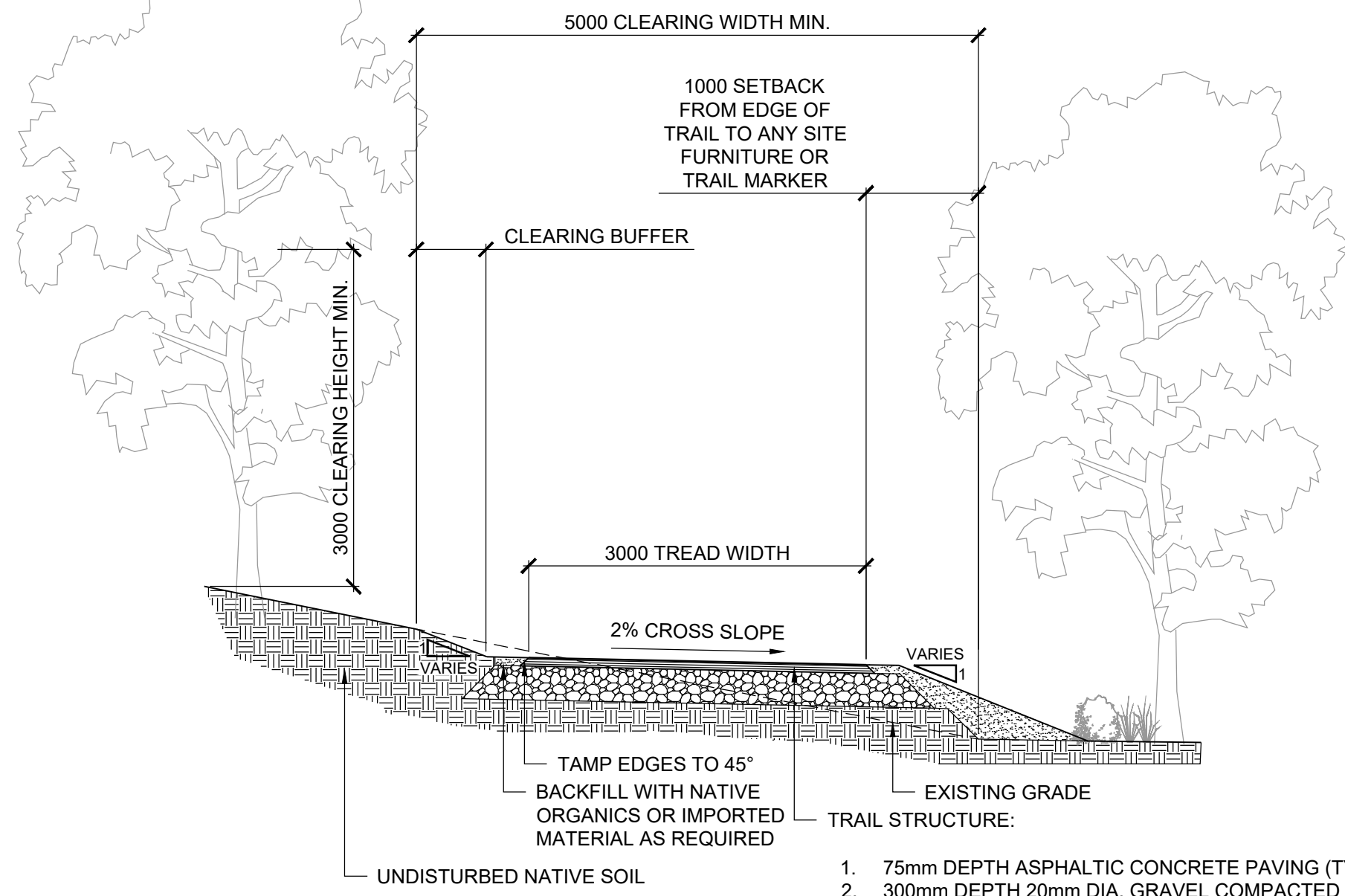
Project Number

2131-00611-05

Rev.

03

CHECK ALL PRINTS BEARING PREVIOUS REVISIONS

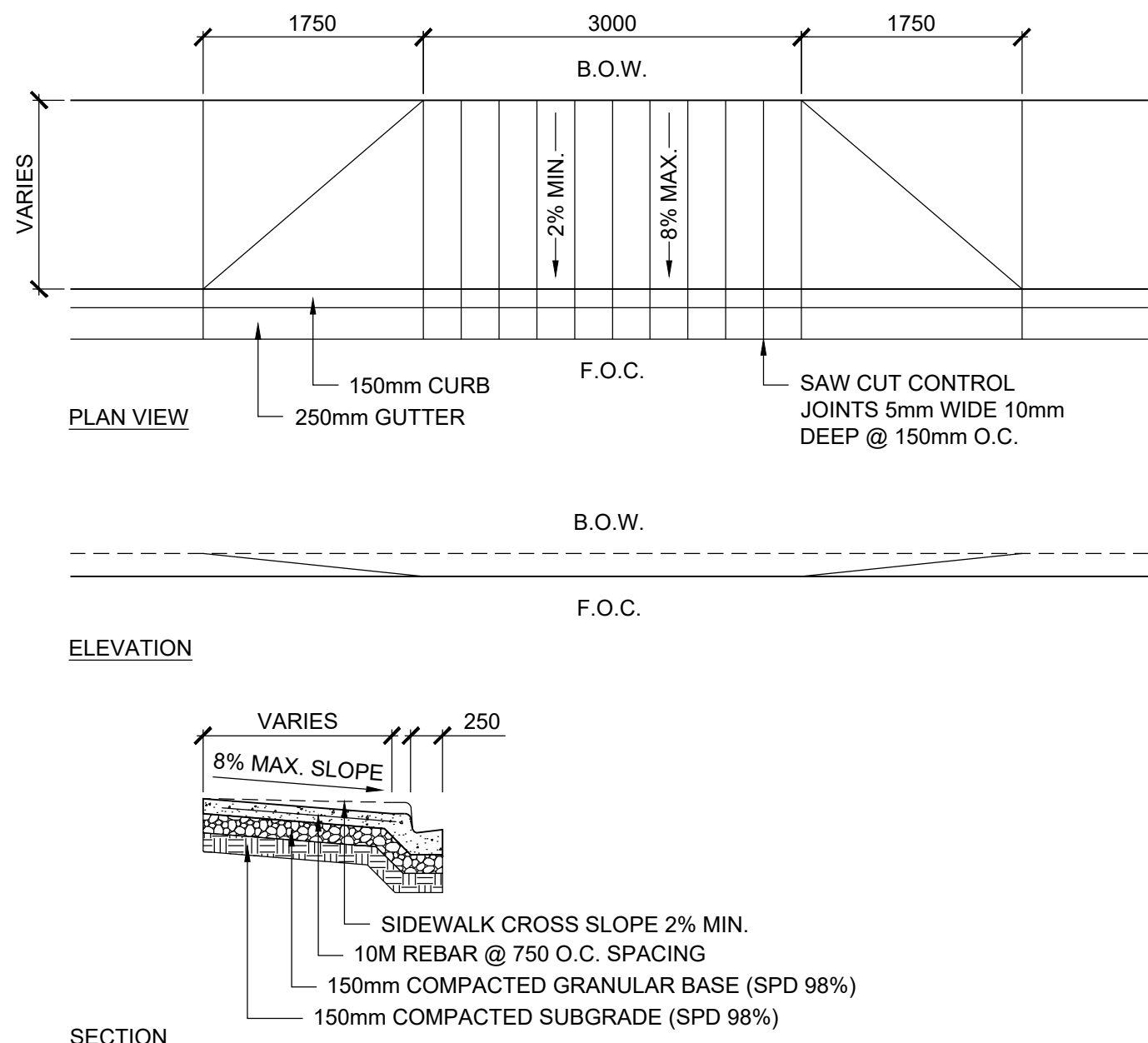


NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS.
- SUBGRADE PREPARATION TO BE DETERMINED ACCORDING TO SPECIFIC SOIL CONDITIONS AND APPROVED BY OWNER'S REPRESENTATIVE OR CONSULTANT PRIOR TO CONSTRUCTION.
- BALANCE CUT & FILL ACROSS SECTION.
- 75mm DEPTH ASPHALTIC CONCRETE PAVING (TYPE S3)
- 300mm DEPTH 20mm DIA. GRAVEL COMPACTED TO 98% S.P.D.
- PROVISIONAL - GEOTEXTILE MEMBRANE UNDER GRAVEL (NILEX WOVEN GEOTEXTILE 2006 OR APPROVED EQUIVALENT) EXTEND 300mm BEYOND TRAIL WIDTH, CONTINUOUS.
- NATIVE SUBGRADE SCARIFIED AND COMPACTED TO 100% S.P.D. - FREE OF TOPSOIL, ROOTS AND/OR DEBRIS
- COMMON FILL - CLEAN CLAY OR GRANULAR MATERIAL PLACED OVER APPROVED SUBGRADE AND COMPACTED TO 100% S.P.D.

1 3m ASPHALT TRAIL

SCALE H 1:50



NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS.
- 32MPa CONCRETE
- B.O.W. REFERS TO BACK OF WALK.
- F.O.C. REFERS TO FRONT OF CURB.

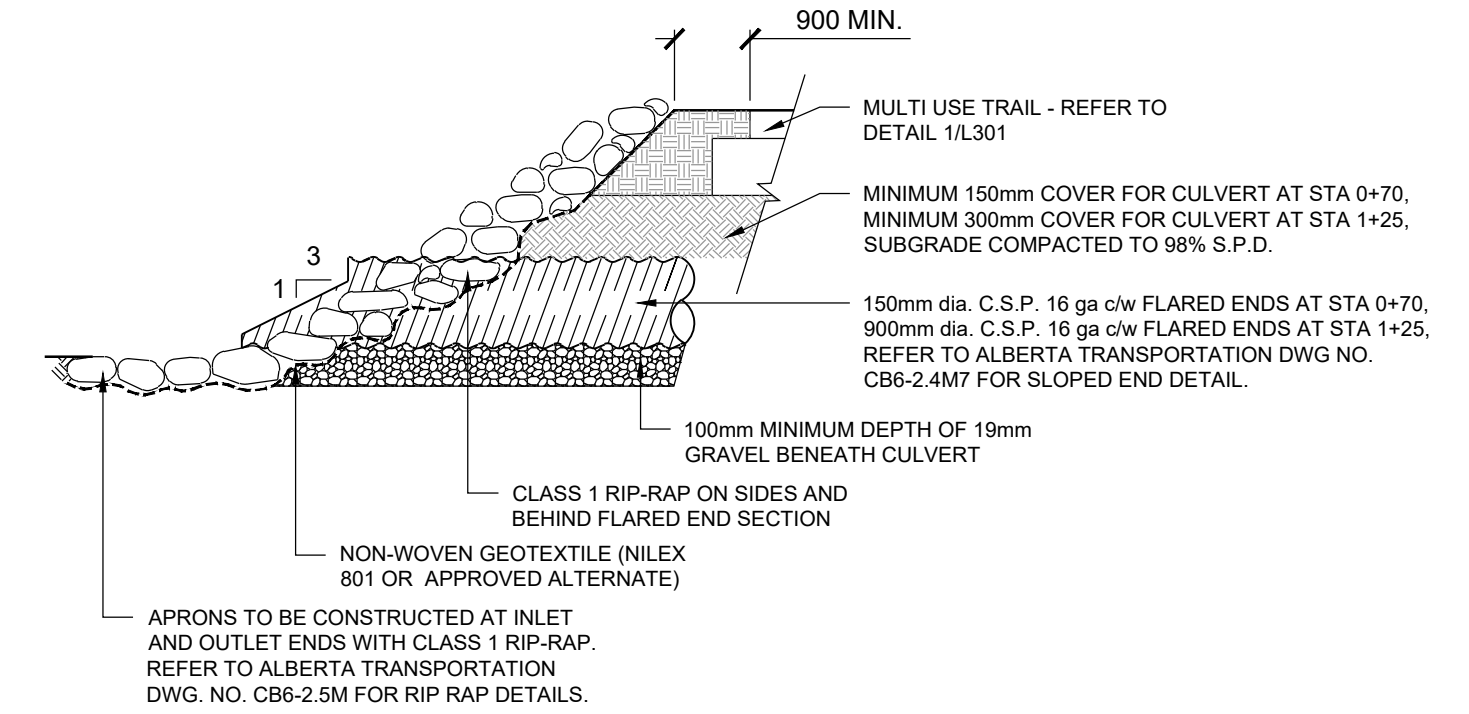
2 CURB RAMP

SCALE H 1:50

RIP RAP SPECIFICATIONS:

CLASS 1

- 100% OF TOTAL VOLUME OF STONES WITH INDIVIDUAL SIZE LESS THAN 450mm.
- NOT LESS THAN 50% OF TOTAL VOLUME OF STONES WITH INDIVIDUAL VOLUME LESS THAN 350mm.
- REMAINING PERCENTAGE OF TOTAL VOLUME TO HAVE UNIFORM DISTRIBUTION OF STONES BETWEEN 100mm AND 350mm.
- THICKNESS OF RIP RAP = 500mm.
- SUPPLY ROCK SPALLS OR COBBLES TO FILL OPEN JOINTS.

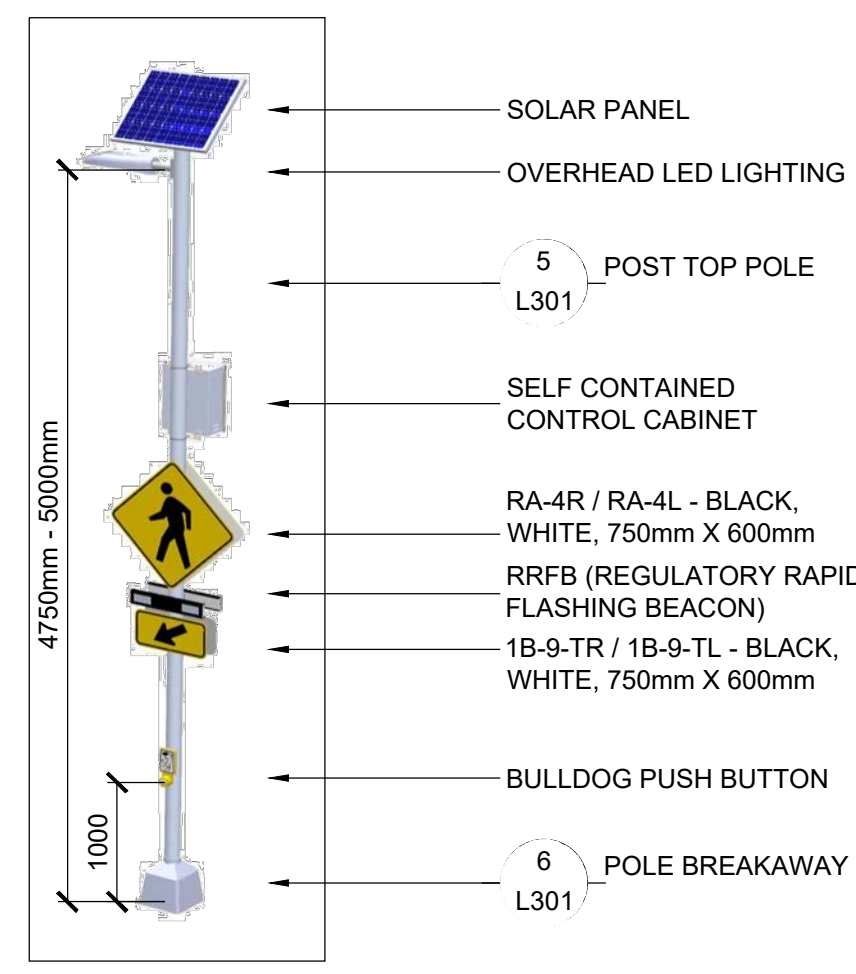


NOTES:

- ROCKS AND BOULDERS SHALL BE SELECTED AS NEARLY CUBICAL IN FORM AS PRACTICABLE.
- THE LARGER STONES BEING USED IN THE BOTTOM COURSES AND THE SMALLER STONES AT THE TOP.
- THEY SHALL BE LAID IN CLOSE CONTACT SO AS THE BREAK JOINTS AND IN SUCH MANNER THAT THE WEIGHT OF THE STONES IS CARRIED BY THE EARTH AND NOT BY THE ADJACENT STONES.

3 RIPRAP CULVERT

SCALE H - NTS



NOTES:

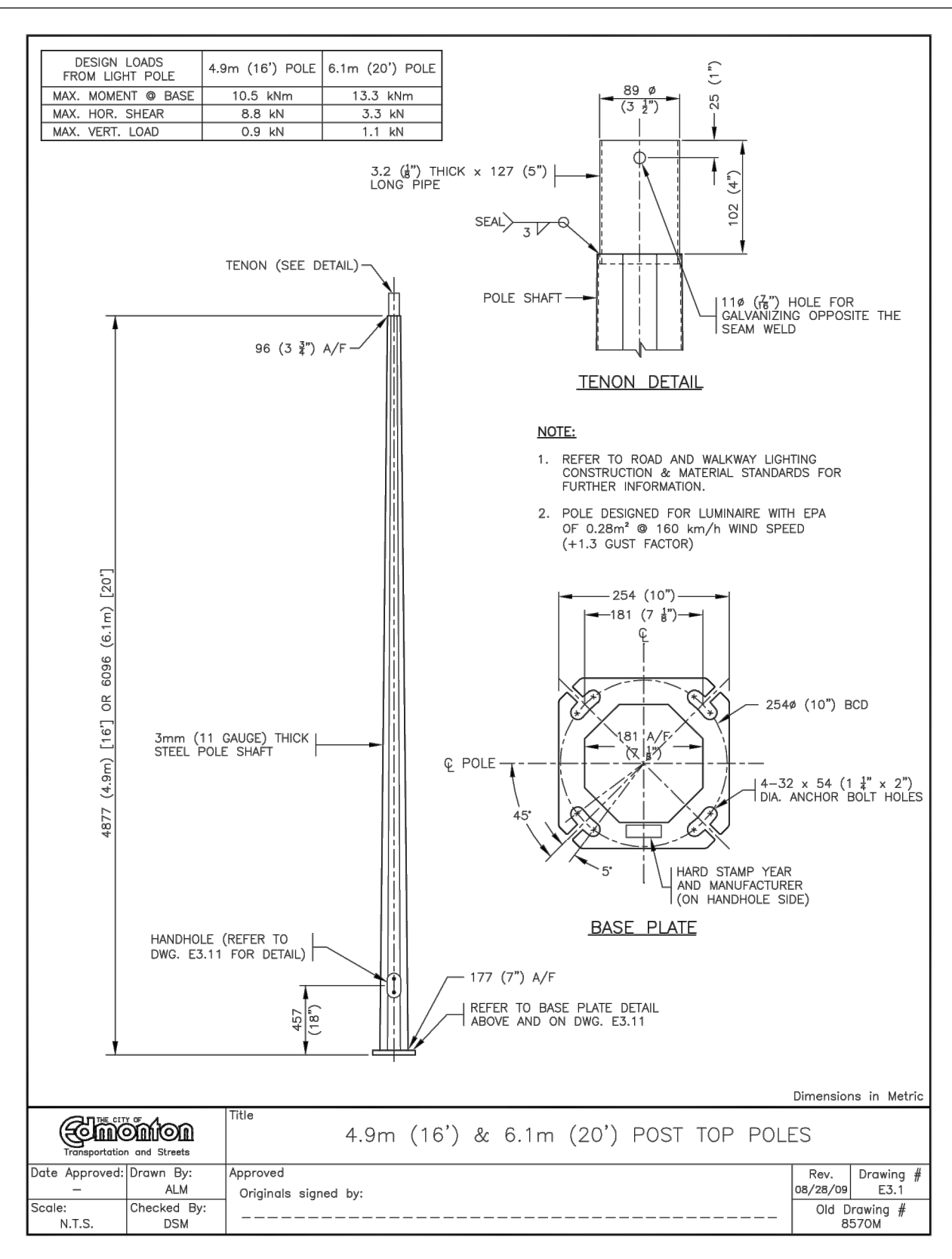
- RRFB (REGULATORY RAPID FLASHING BEACON) AND OTHER EQUIPMENT TO BE INSTALLED AS PER MANUFACTURER SPECIFICATIONS.

4 RRFB SIGNAGE AND LIGHTING

SCALE H 1:50

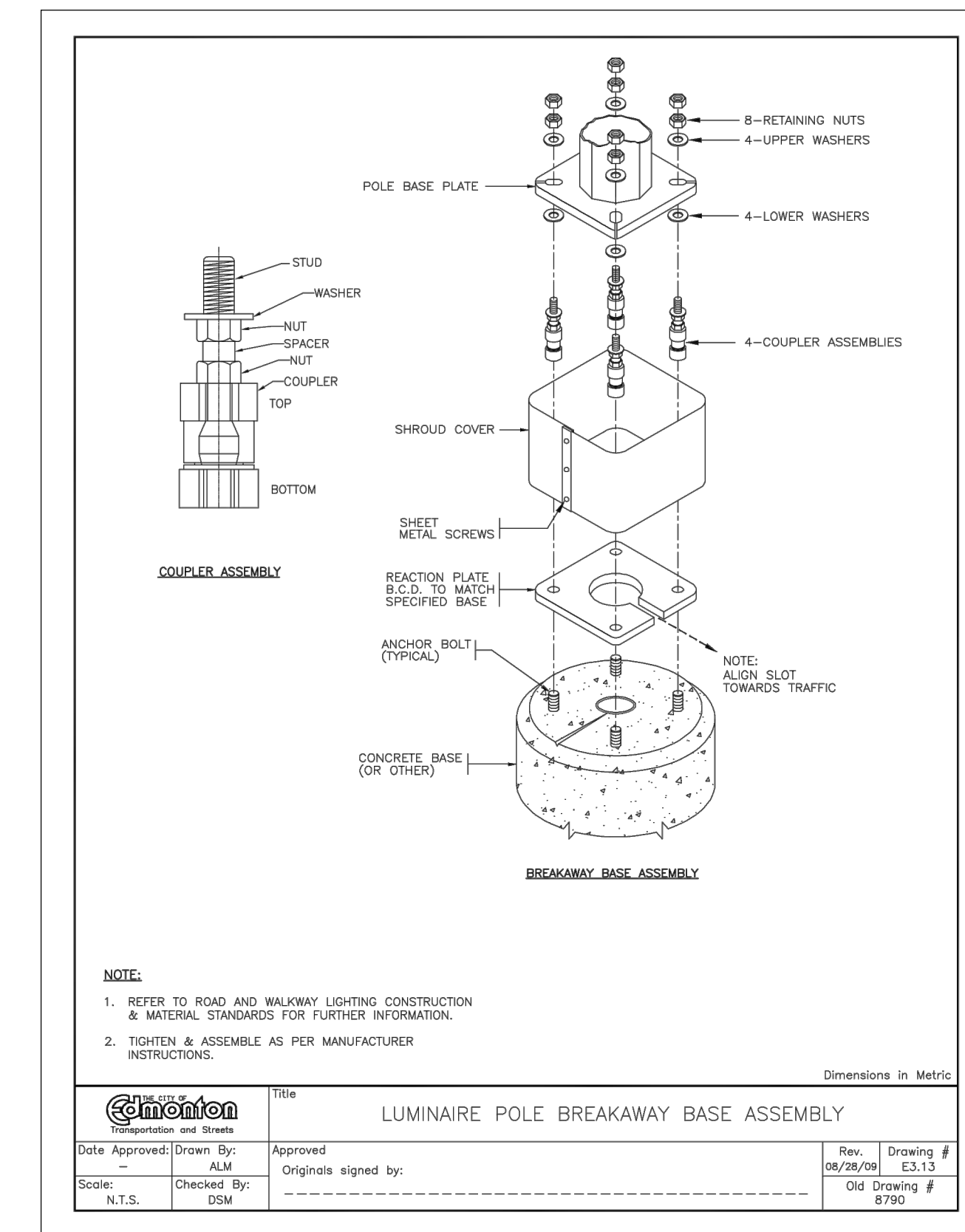
FURNITURE SCHEDULE

Qty	Description	Manufacturer	Model # / Type	Color / Materials	Mount
2	RRFB Pedestrian Crossing Kit (Solar)	Carmenah	Single, Black, Standard Pushbutton-Yellow, Solar, Integrated Solar Engine-Black, Overhead LED Light	Black/Yellow/Black	Pole Mounted
2	Pedestrian Sign (Right)	ATS Traffic	RA-4R	Aluminum, Black, White, 750mm x 600mm	Pole Mounted
2	Pedestrian Sign (Left)	ATS Traffic	RA-4L	Aluminum, Black, White, 750mm x 600mm	Pole Mounted
1	Right Angle Arrow Tab	ATS Traffic	1B-9-TR	Aluminum, Black, White, 300mm x 450mm	Pole Mounted
1	Left Angle Arrow Tab	ATS Traffic	1B-9-TR	Aluminum, Black, White, 300mm x 450mm	Pole Mounted
1	Pedestrians Ahead Sign (Right)	ATS Traffic	WC-2TR	Aluminum, Yellow, Black, White, 750mm x 750mm	Pole Mounted
2	Callan Pole	ATS Traffic	Type 1A	Aluminum, 5" Base, 16" Height	Concrete Pile c/w Breakaway Bolts
3	Telespar Post Square	ATS Traffic	Standard	Galvanized Steel, 175" width, 6" Height	Soil Anchor
1	Culvert	Arntec	800mm dia C.S.P. 16 ga. c/w Flared Ends	Corrugated Steel	Ground



5 POST TOP POLES

SCALE H 1:50



5 POLE BREAKAWAY BASE ASSEMBLY

SCALE H 1:50

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PEACE RIVER, AB

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9911 100 Street, Peace River, AB, T8S 1S4
99 AVE WEST TRAIL DEVELOPMENT
Landscape Details

Drawing No.

L301

Project Number

2131-00611-05

Rev.

03

Illumination of Isolated Rural Intersections

LIGHTING WARRANT SPREADSHEET

This spreadsheet is to be used in conjunction with *Illumination of Isolated Rural Intersections*, Transportation Association of Canada, February 2001.

Please enter information in the cells with yellow background

INTERSECTION CHARACTERISTICS

Old Highway 2 (Hwy 2 Off-Ramp)	Main Road
99 Avenue West	Minor Road
Peace River, AB	City/Town

Date April 10, 2023

Other 2022 Traffic Data

GEOMETRIC FACTORS

	Value	Rating	Weight	Comments	Check	Score
Channelization Rating	Descriptive	0		Refer to Table 1(A) to determine rating value	OK	
Presence of raised channelization? (Y / N)	n				OK	
Highest operating speed on raised, channelized approach (km/h)	0		5		OK	
Channelization Factor					OK	0
Approach Sight Distance on most constrained approach (%)	80	1	10	Relative to the recommended minimum sight distance	OK	10
Posted Speed limit (in 10's of km/h)	50				OK	
Radius of Horizontal Curve (m)	300			Enter "T" for tangent (no horizontal curve at the intersection)	OK	
Posted Speed Category =		0				
Posted Speed Category =		0				
Posted Speed Category =		0				
Posted Speed Category =	D	3				
Horizontal Curvature Factor		3	5		OK	15
Angle of Intersection (10's of Degrees)	90	0	5		OK	0
Downhill Approach Grade (x.x%)	9.0	4	3	Rounded to nearest tenth of a percent	OK	12
Number of Intersection Legs	3	1	3	Number of legs = 3 or more	OK	3
Geometric Factors Subtotal						40

OPERATIONAL FACTORS

Is the intersection signalized ? (Y / N)	n			Calculate the Signalization Warrant Factor		
AADT on Major Road (2-way)	940	0	10	Either Use the two AADT inputs OR the Descriptive Signalization Warrant (Unused values should be set to Zero) Refer to Table 1(B) for description and rating values for signalization warrant.	OK	0
AADT on Minor Road (2-way)	300	0	20		OK	0
Signalization Warrant	Descriptive	0	30		OK	0
Night-Time Hourly Pedestrian Volume	5	1	10	Refer to Table 1(B), note #2, to account for children and seniors	OK	10
Intersecting Roadway Classification	Descriptive	0	5	Refer to Table 1(B) for ratings.	OK	0
Operating Speed or Posted Speed on Major Road (km/h)	50	0	5	Refer to Table 1(B), note #3	OK	0
Operating Speed on Minor Road (km/h)	30	0	5	Refer to Table 1(B), note #3	OK	0
Operational Factors Subtotal						10

ENVIRONMENTAL FACTOR

Lighted Developments within 150 m radius of intersection	1	1	5	Maximum of 4 quadrants	OK	5
Environmental Factor Subtotal						5

COLLISION HISTORY

Average Annual night-time collision frequency due to inadequate lighting (collisions/yr, rounded to nearest whole #)	0.0	0	0	Enter either the annual frequency (See Table 1(C), note #4) OR the number of collisions / MEV (Unused values should be set to Zero)	OK	0
Collision Rate over last 3 years, due to inadequate lighting (/MEV)	0	0	0		OK	0
Is the average ratio of all night to day collisions >= 1.5 (Y/N)	n				OK	
Collision History Subtotal						0

Check Intersection Signalization:
Intersection is not Signalized

LIGHTING IS NOT WARRANTED

SUMMARY

Geometric Factors Subtotal	40
Operational Factor Subtotal	10
Environmental Factor Subtotal	5
Collision History Subtotal	0

TOTAL POINTS **55**