

CROWCHILD TRAIL STUDY
MEDIUM TERM
RECOMMENDED PLAN
24 AVE NW
EXHIBIT 4.6
 2017/03/01

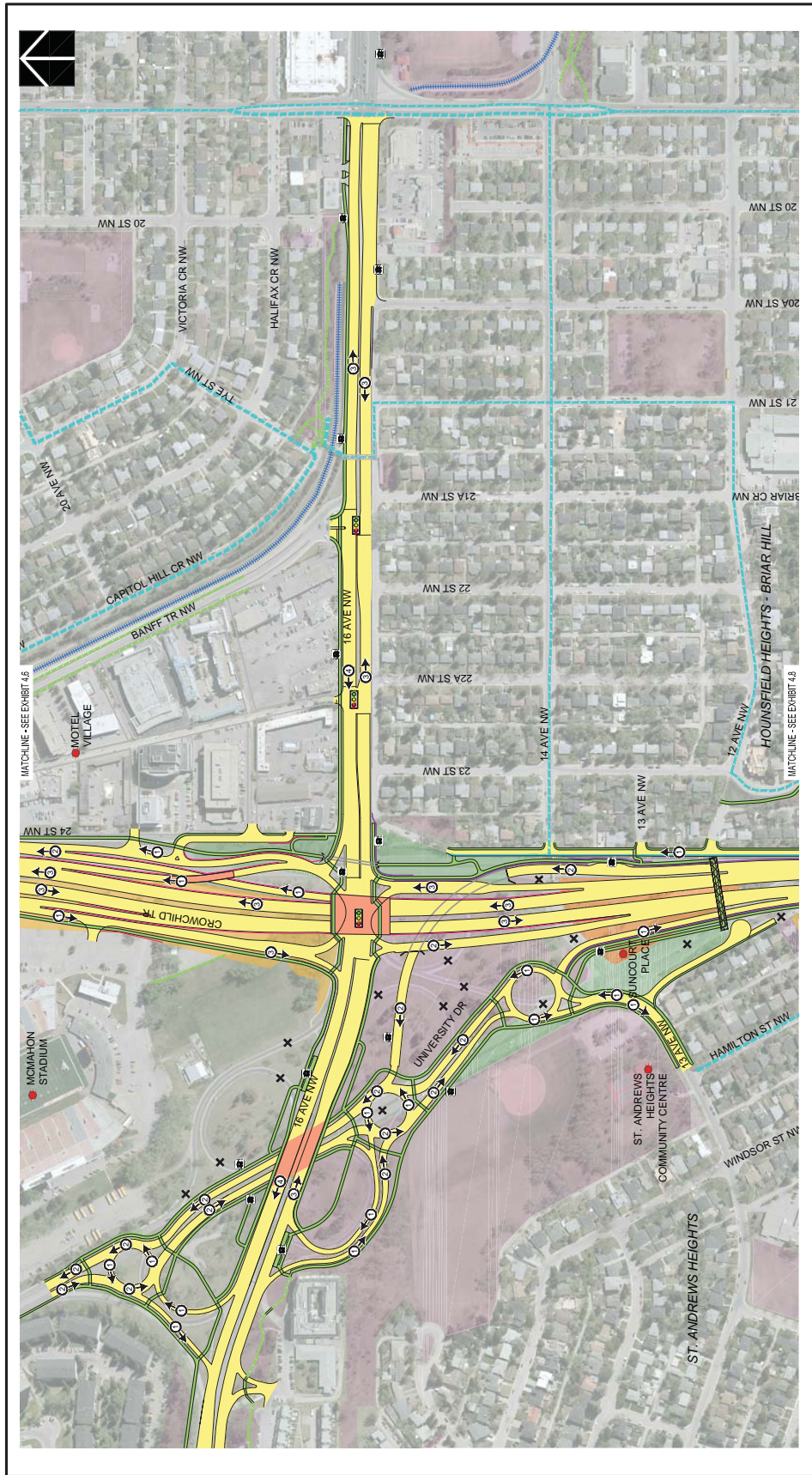
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 - ROAD CLOSURES
 - LANE COUNT / DIRECTION
 - TRAFFIC SIGNAL
 - RETAINING WALL
 - NOISE WALL
 - EXISTING PATHWAY / SIDEWALK
 - EXISTING PEDESTRIAN BRIDGE
 - EXISTING ON-STREET BIKE ROUTE
 - PROPOSED PATHWAY / SIDEWALK
 - PROPOSED PEDESTRIAN BRIDGE
 - PROPOSED BIKE ROUTE
 - POTENTIAL PROPERTY IMPACTS - BUILDING
 - POTENTIAL PROPERTY IMPACTS - GRADING
 - CITY OWNED PROPERTY
 - PROPOSED OR ENHANCED GREEN SPACE
 - RECOMMENDED FOR PREVIOUS STAGE
 - COMMUNITY PLACES OF INTEREST
 - EXISTING URT
 - EXISTING URT TRANSIT

HORZ 0 40 80 120 160m
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PRELIMINARY
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 SUBJECT TO REVISION



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY

**MEDIUM TERM
RECOMMENDED PLAN
16 AVE NW
EXHIBIT 4.7**
2017/03/01

Legend:

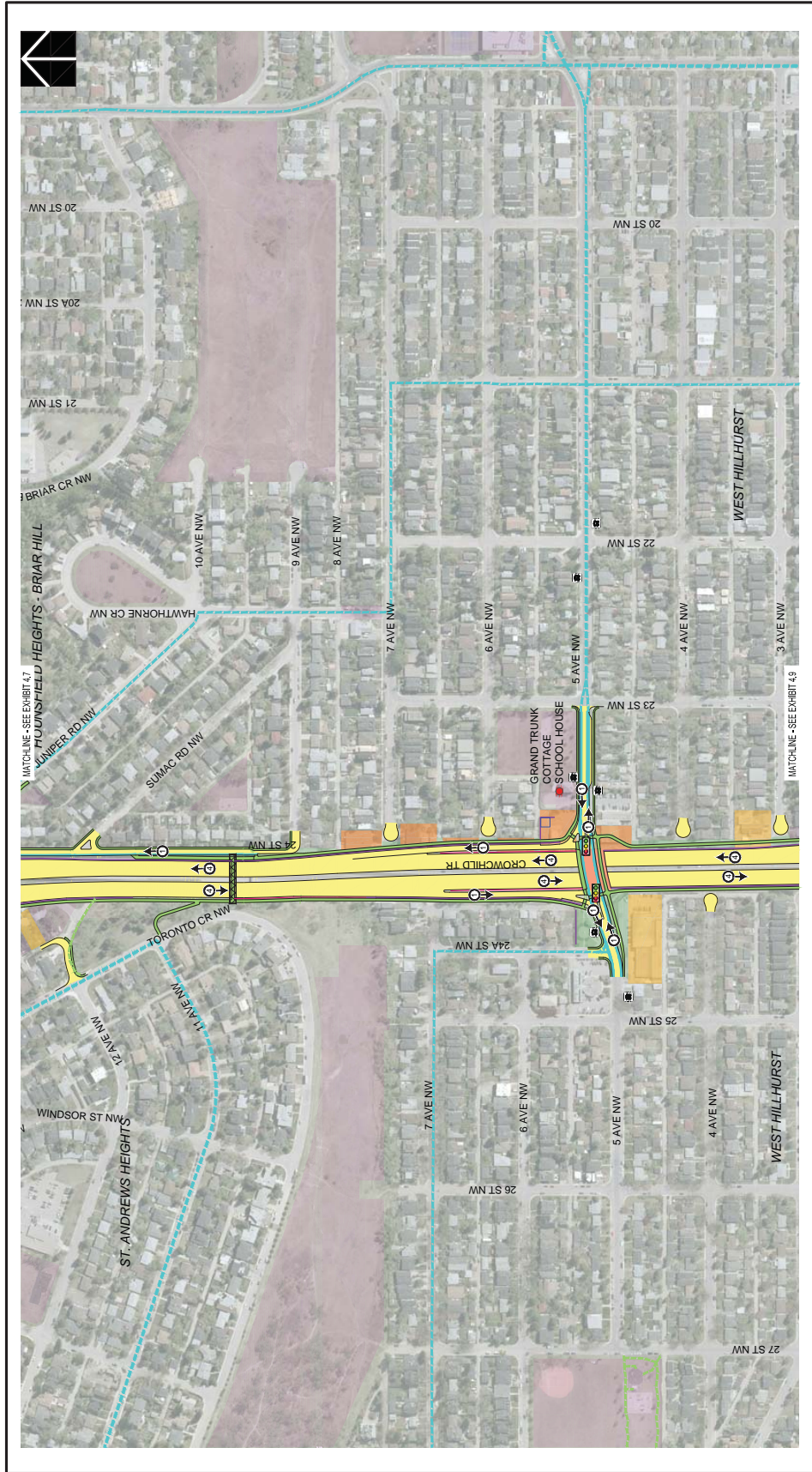
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- ROAD CLOSURES
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- EXISTING LIGHT TRANSIT

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Crowchild Trail Study - Recommended Medium-term Plan



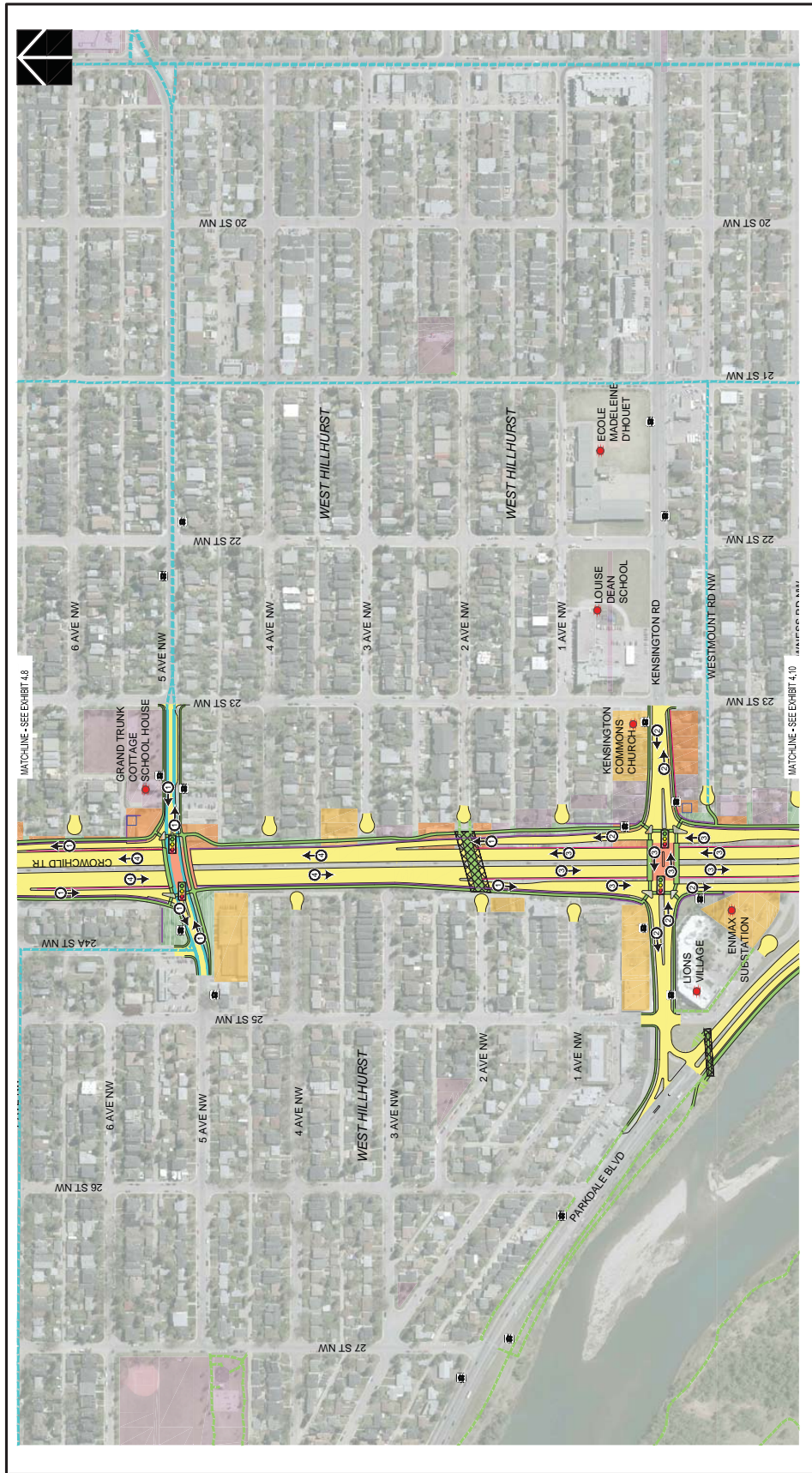
CROWCHILD TRAIL STUDY
MEDIUM TERM
RECOMMENDED PLAN
5 AVE NW
EXHIBIT 4.8
 2017/03/01

- Legend:**
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 - EXISTING ROAD
 - PROPOSED BRIDGE
 - ROAD CLOSURES
 - LANE COUNT / DIRECTION
 - TRAFFIC SIGNAL
 - RETAINING WALL
 - NOISE WALL
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 - EXISTING LRT
 - TRANSIT

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Crowchild Trail Study - Recommended Medium-term Plan



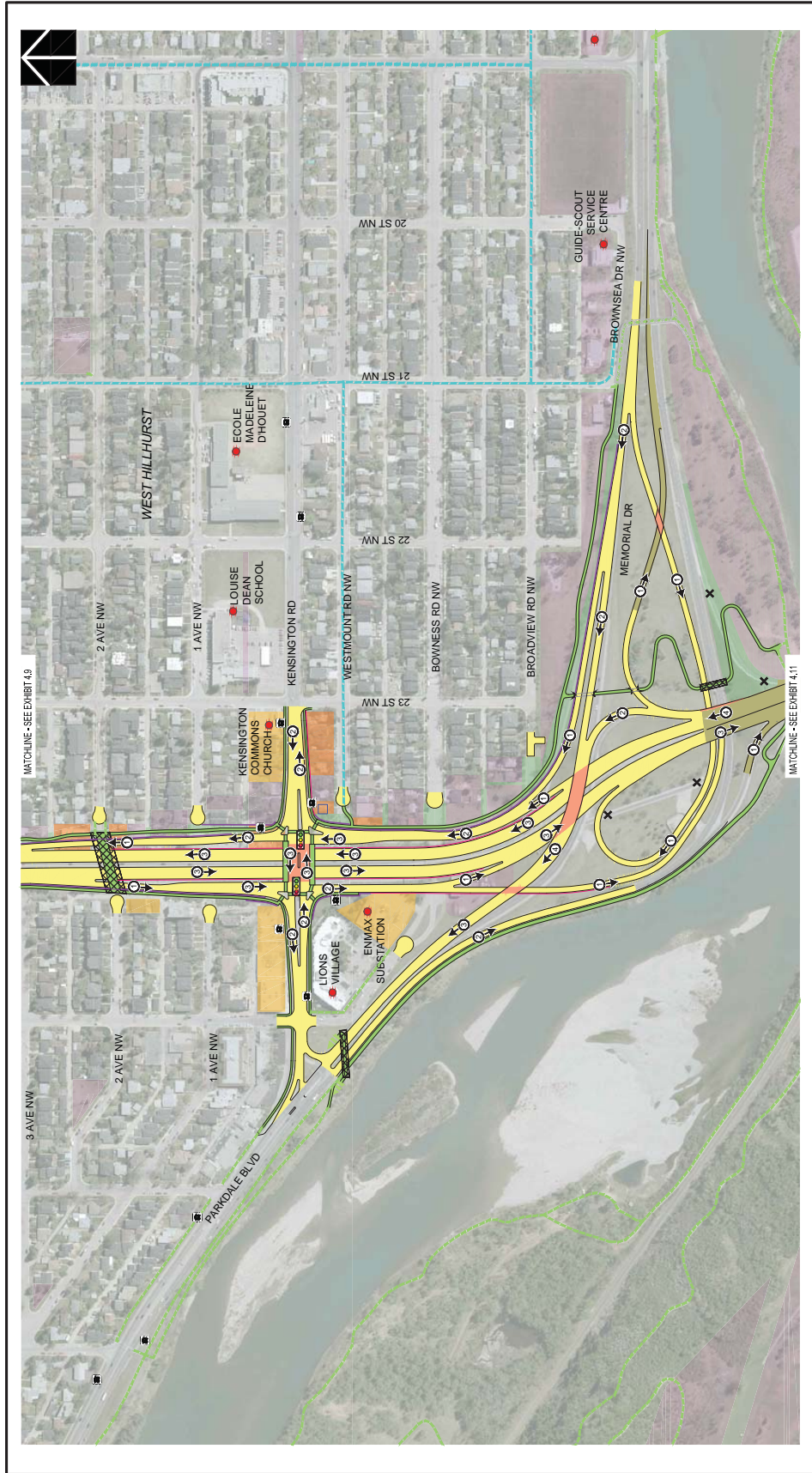
CROWCHILD TRAIL STUDY
MEDIUM TERM
RECOMMENDED PLAN
5 AVE NW / KENSINGTON RD
EXHIBIT 4.9
 2017/03/01

- Legend:**
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 - PROPOSED BRIDGE
 - ROAD CLOSURES
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 - TRAFFIC SIGNAL
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Crowchild Trail Study - Recommended Medium-term Plan



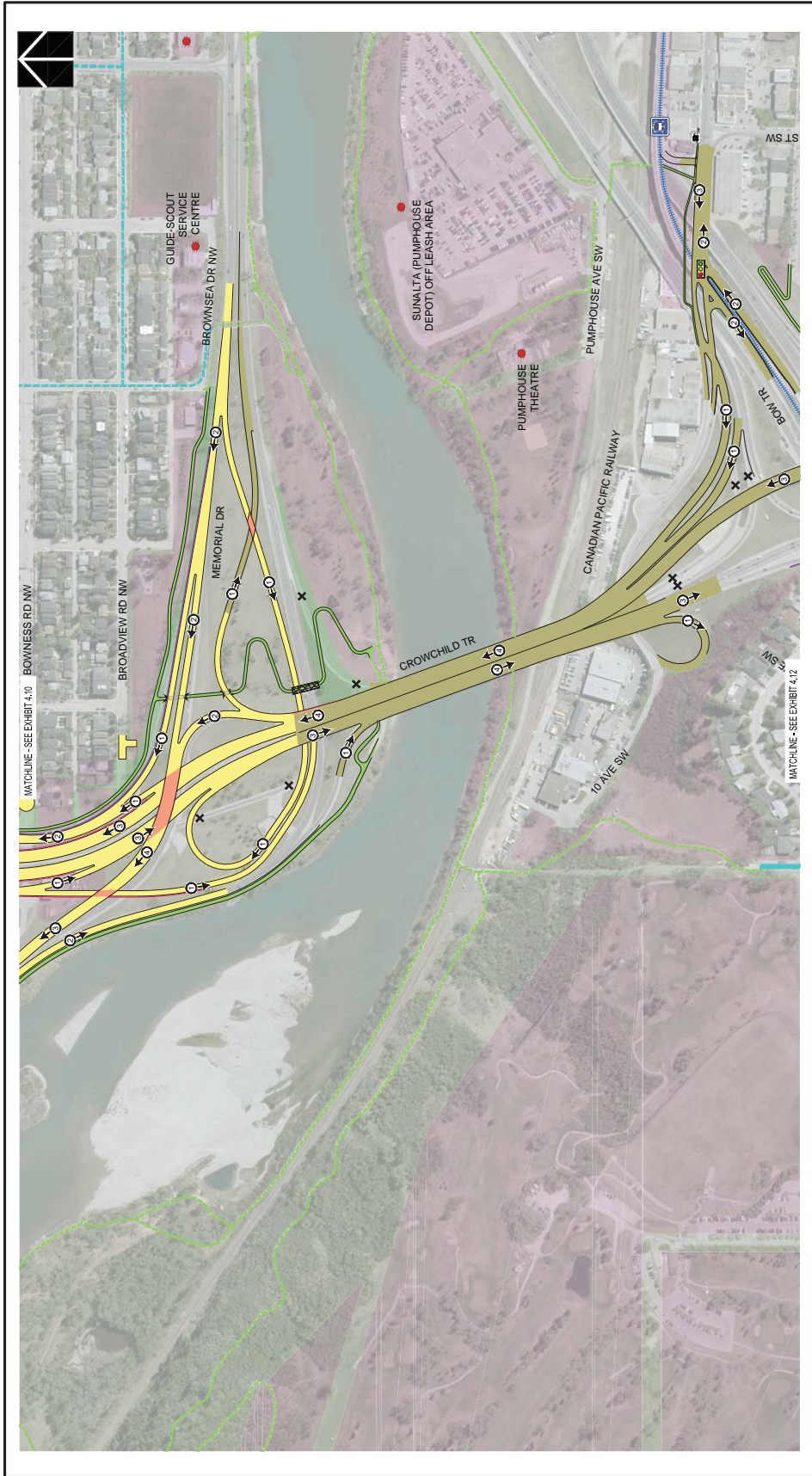
CROWCHILD TRAIL STUDY
MEDIUM TERM
RECOMMENDED PLAN
KENSINGTON RD / MEMORIAL DR
EXHIBIT 4.10
 2017/03/01

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Crowchild Trail Study - Recommended Medium-term Plan



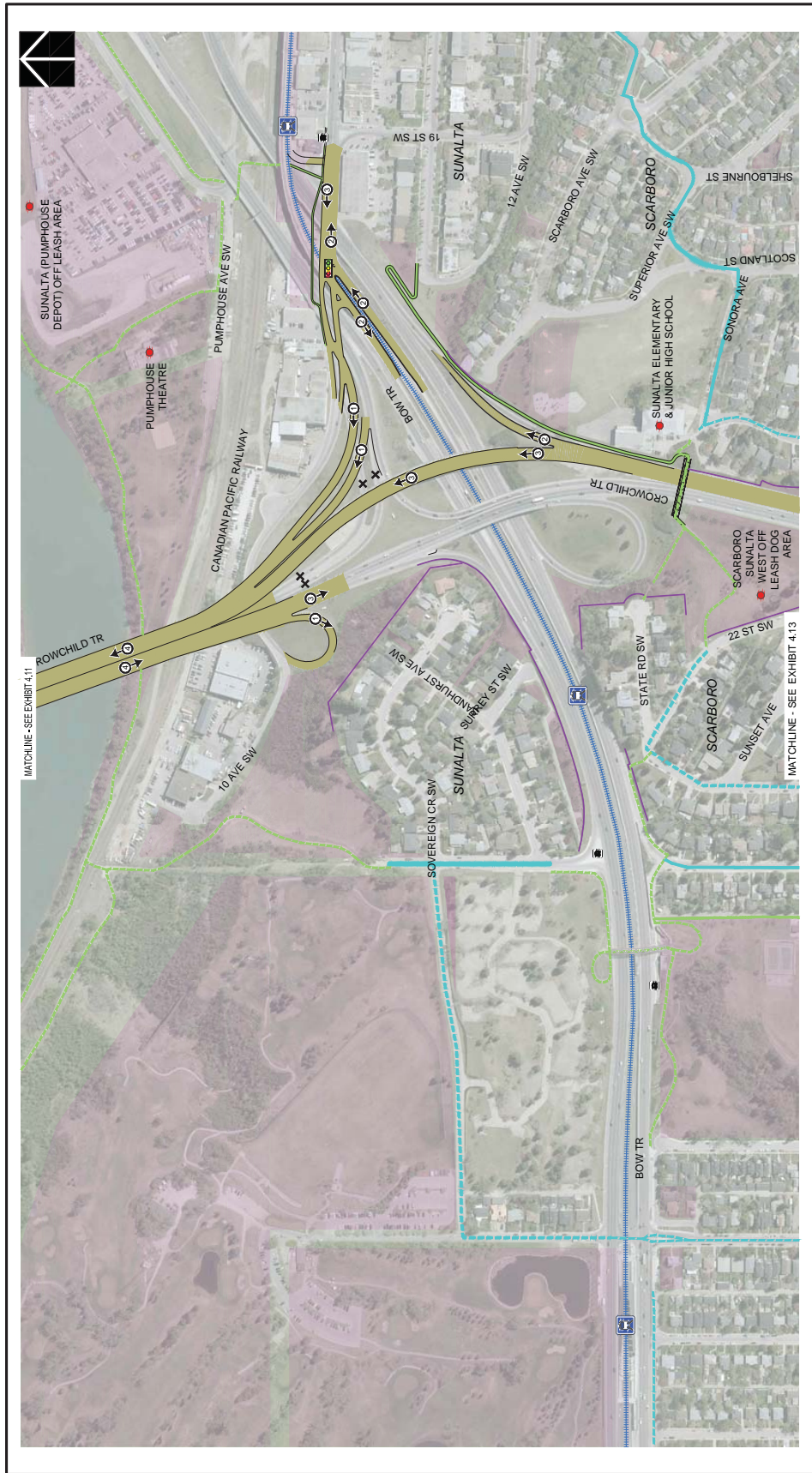
CROWCHILD TRAIL STUDY
MEDIUM TERM
RECOMMENDED PLAN
MEMORIAL DR / 10 AVE SW
EXHIBIT 4.11
 2017/03/01

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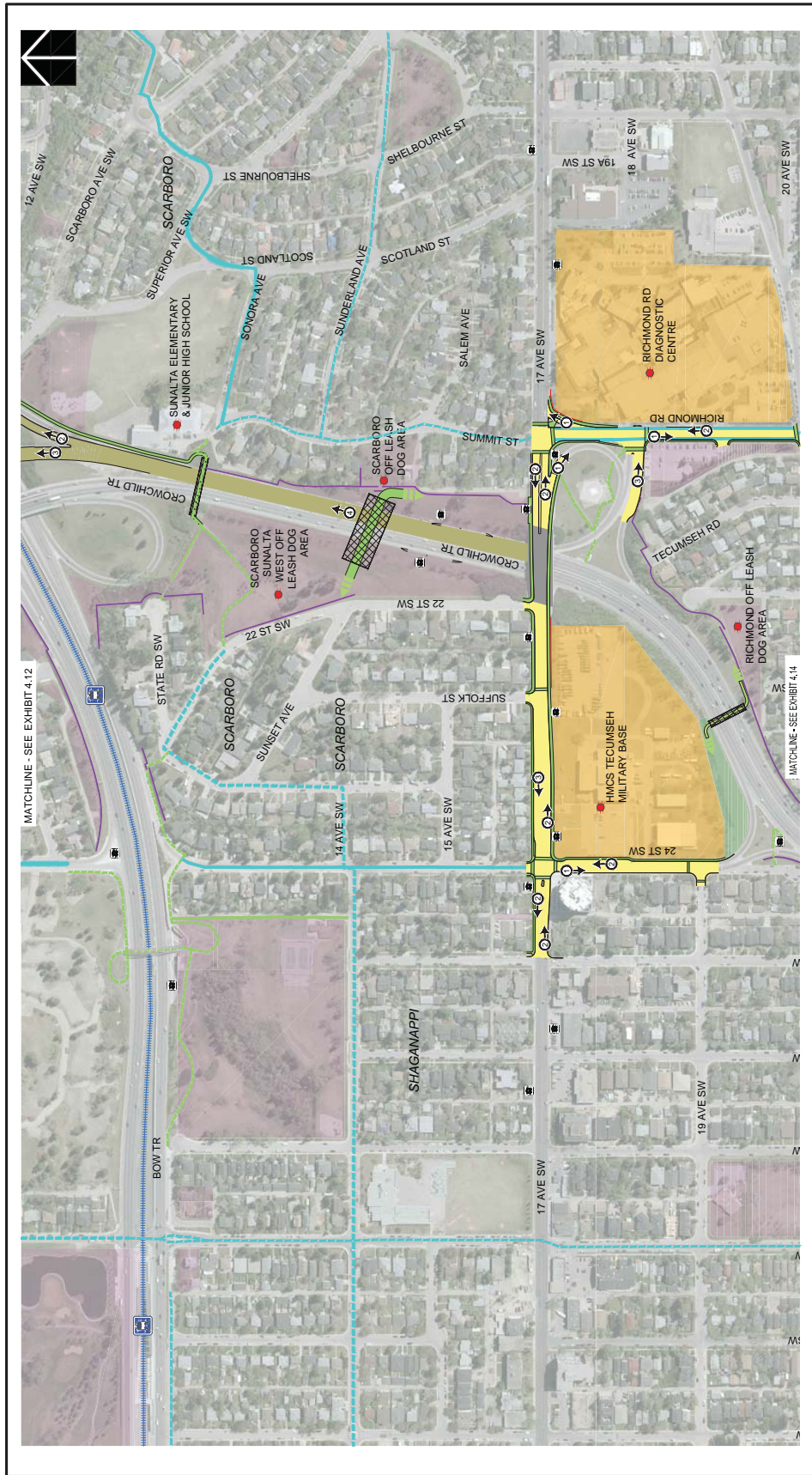
Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
MEDIUM TERM
RECOMMENDED PLAN
10 AVE SW / BOW TR
EXHIBIT 4.12
2017/03/01



Crowchild Trail Study - Recommended Medium-term Plan



Legend:

- PROPOSED ROAD
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MEDIUM TERM RECOMMENDED PLAN
BOW TR / 17 AVE NW
EXHIBIT 4.13
 2017/03/01

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CROWCHILD TRAIL STUDY
MEDIUM TERM
RECOMMENDED PLAN
17 AVE SW
EXHIBIT 4.14
 2017/03/01

- Legend:**
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 - █ EXISTING ROAD
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 - █ LANE COUNT / DIRECTION
 - █ TRAFFIC SIGNAL
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 - █ EXISTING TRANSIT

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 SUBJECT TO REVISION





CROWCHILD TRAIL STUDY

MEDIUM-TERM RECOMMENDED PLAN
PERSPECTIVE SKETCH
24 AVE NW AREA LOOKING SOUTHWEST
EXHIBIT 4.17
2017/03/01

Legend:

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SUBJECT TO DESIGN





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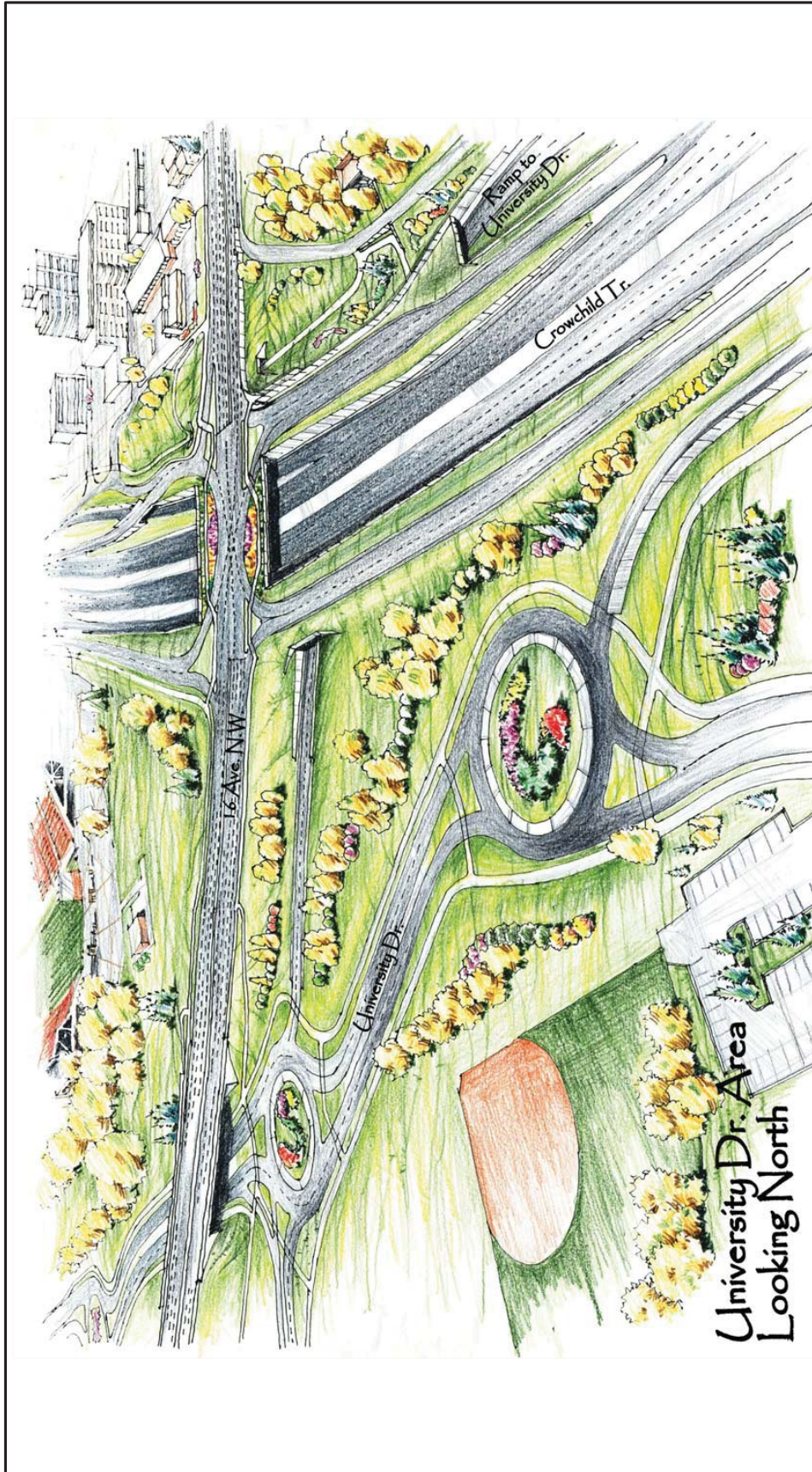
CROWCHILD TRAIL STUDY

MEDIUM-TERM RECOMMENDED PLAN
PERSPECTIVE SKETCH
16 AVE NW AREA LOOKING SOUTHWEST
EXHIBIT 4.18
2017/03/01

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SUBJECT TO DESIGN



Crowchild Trail Study - Recommended Medium-term Plan



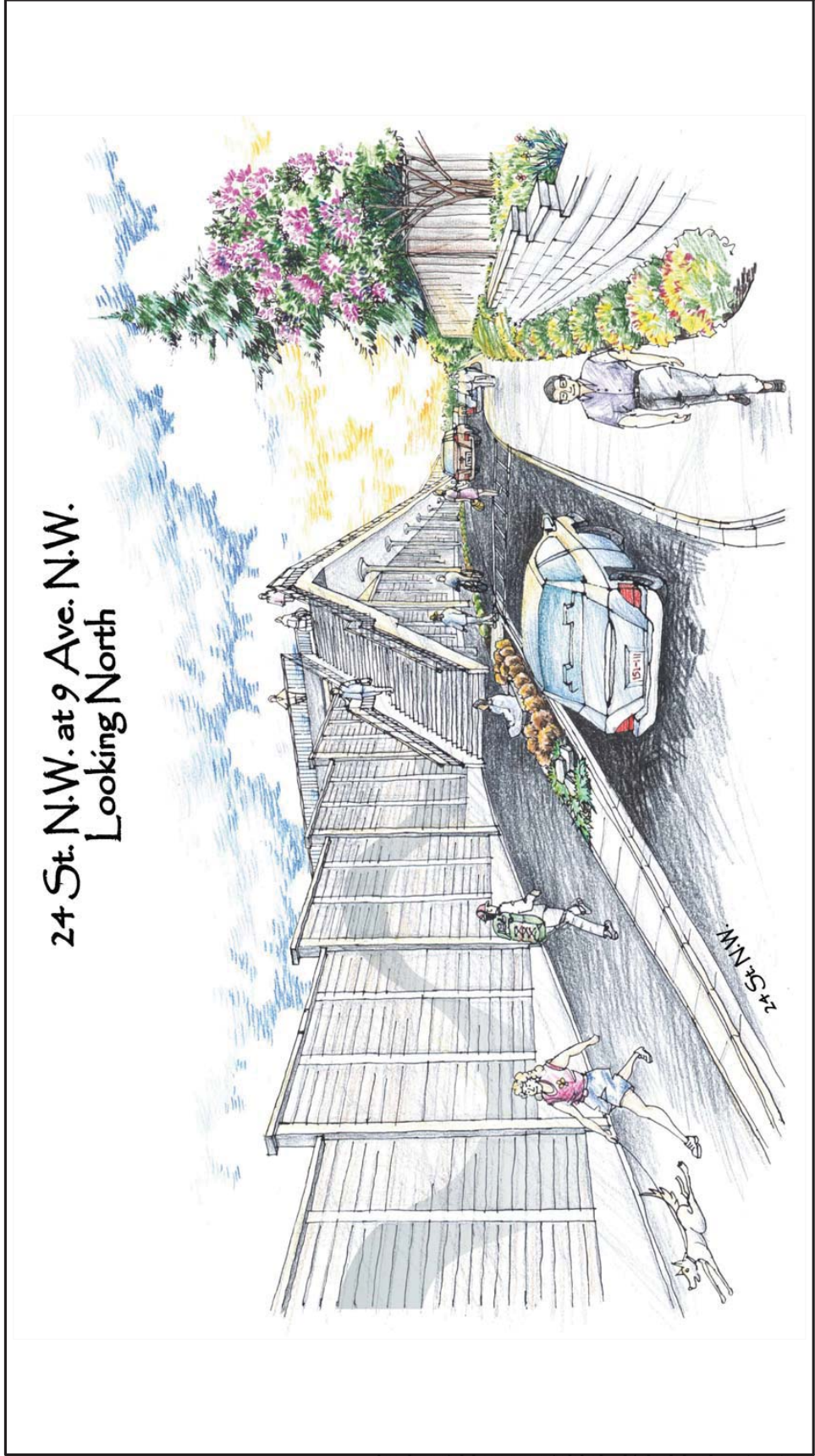
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CROWCHILD TRAIL STUDY

MEDIUM-TERM RECOMMENDED PLAN
PERSPECTIVE SKETCH
UNIVERSITY DR AREA LOOKING NORTH
EXHIBIT 4.19
2017/03/01

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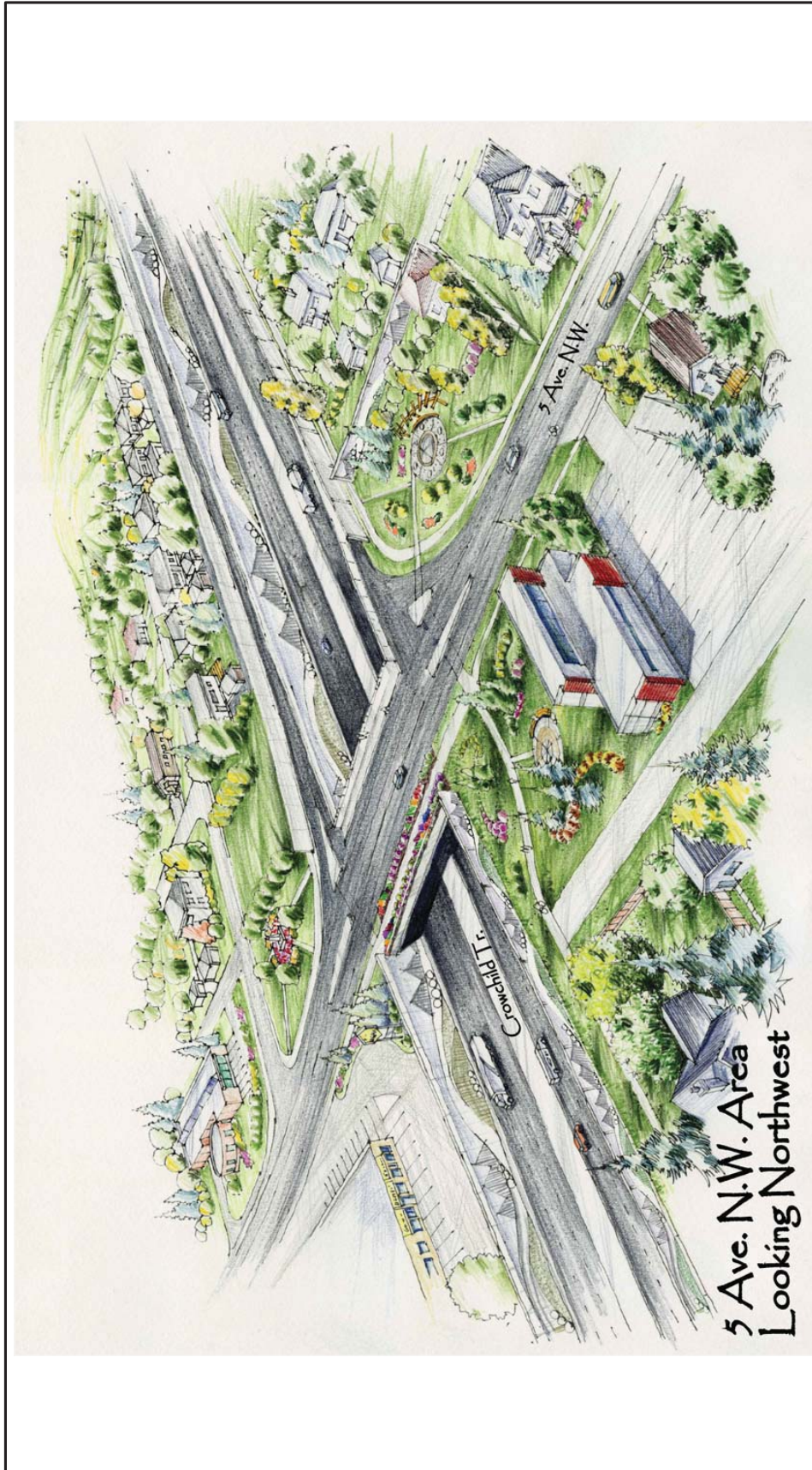
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CROWCHILD TRAIL STUDY

MEDIUM-TERM RECOMMENDED PLAN
PERSPECTIVE SKETCH
24 ST NW AT 9 AVE NW LOOKING NORTH
EXHIBIT 4.20
2017/03/01

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SUBJECT TO DESIGN





Legend:

CROWCHILD TRAIL STUDY

MEDIUM-TERM RECOMMENDED PLAN
PERSPECTIVE SKETCH
5 AVE NW AREA LOOKING NORTHWEST
EXHIBIT 4.21
2017/03/01

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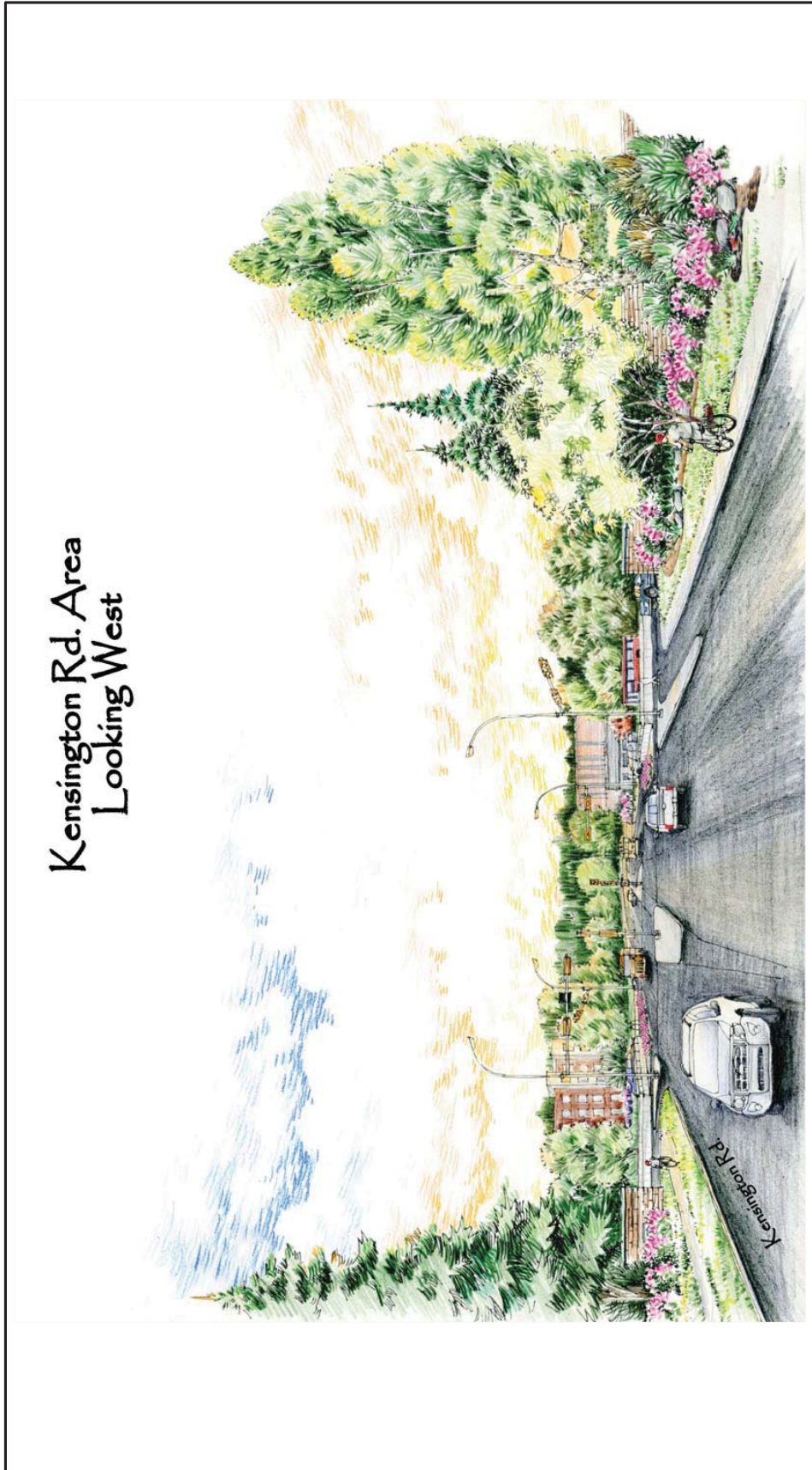
CROWCHILD TRAIL STUDY

MEDIUM-TERM RECOMMENDED PLAN
PERSPECTIVE SKETCH
KENSINGTON RD AREA LOOKING SOUTHWEST
EXHIBIT 4.22
2017/03/01

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PRELIMINARY
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SUBJECT TO DESIGN





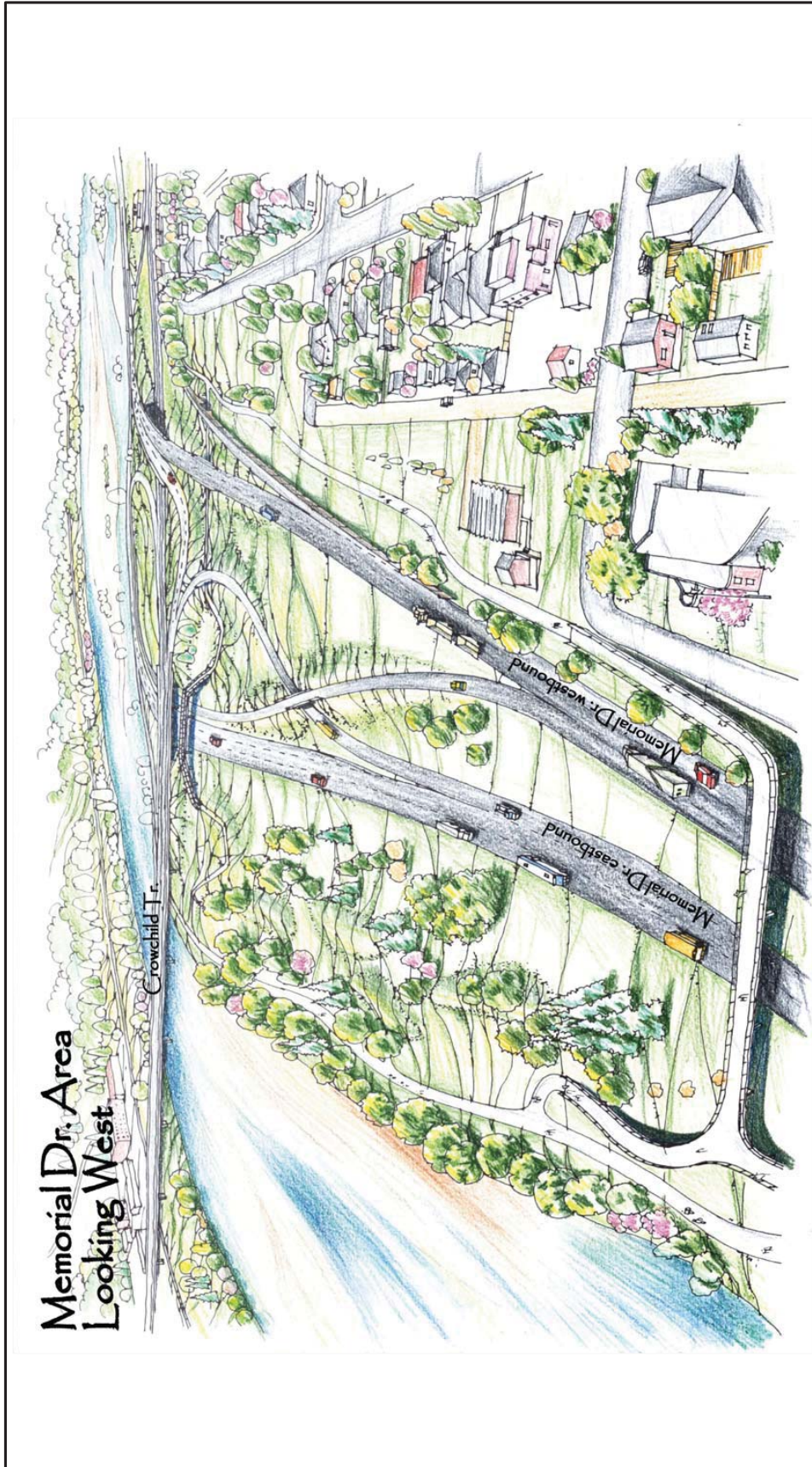
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CROWCHILD TRAIL STUDY

MEDIUM-TERM RECOMMENDED PLAN
PERSPECTIVE SKETCH
KENSINGTON RD AREA LOOKING WEST
EXHIBIT 4.23
2017/03/01

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Memorial Dr. Area
Looking West

Crowchild Tr.

Memorial Dr. westbound

Memorial Dr. eastbound

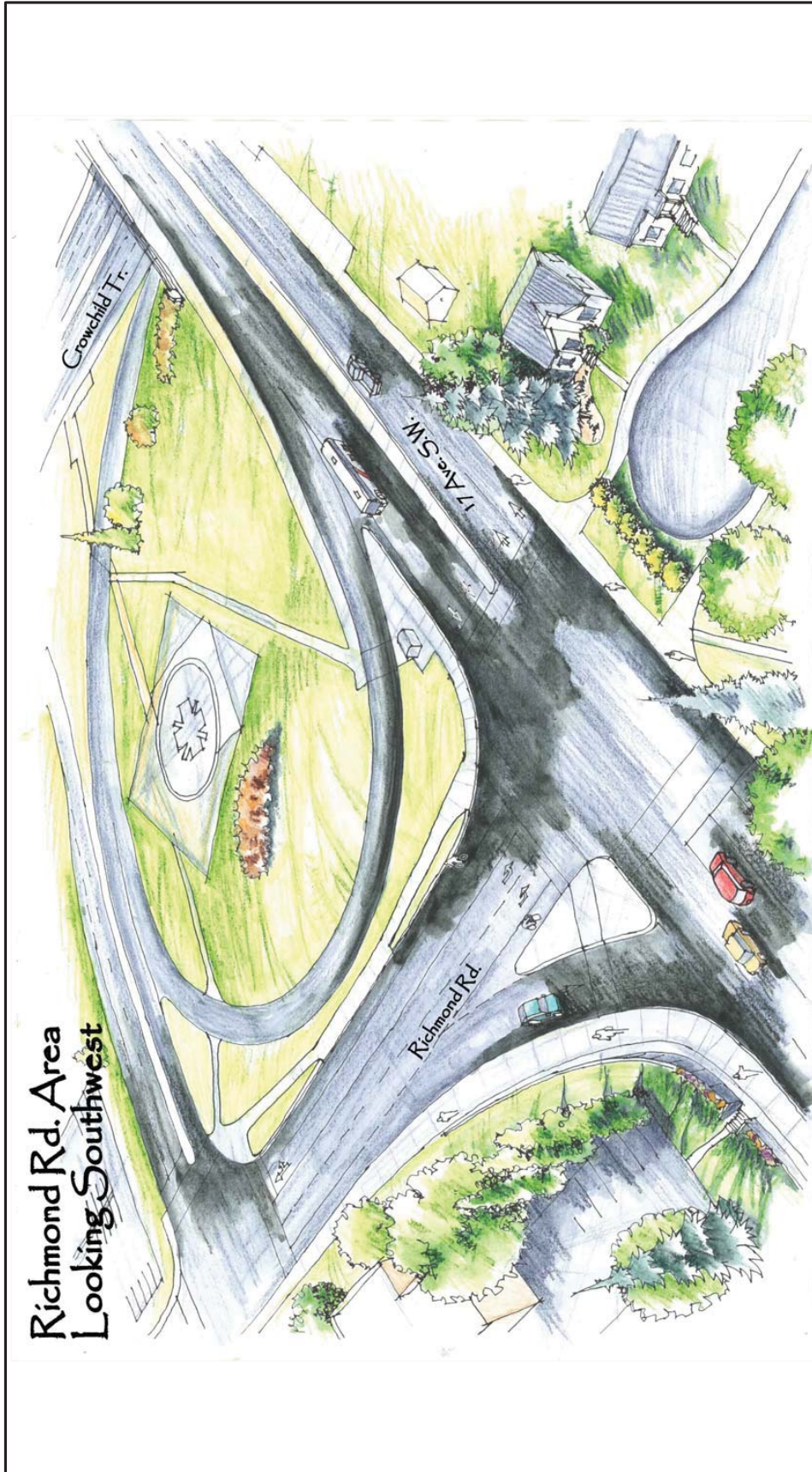
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PRELIMINARY
FOR DISCUSSION ONLY
SUBJECT TO DESIGN



CROWCHILD TRAIL STUDY
MEDIUM-TERM RECOMMENDED PLAN
PERSPECTIVE SKETCH
MEMORIAL DR. AREA LOOKING WEST
EXHIBIT 4.24
2017/03/01

Crowchild Trail Study - Recommended Medium-term Plan



Richmond Rd. Area
Looking Southwest

Legend:

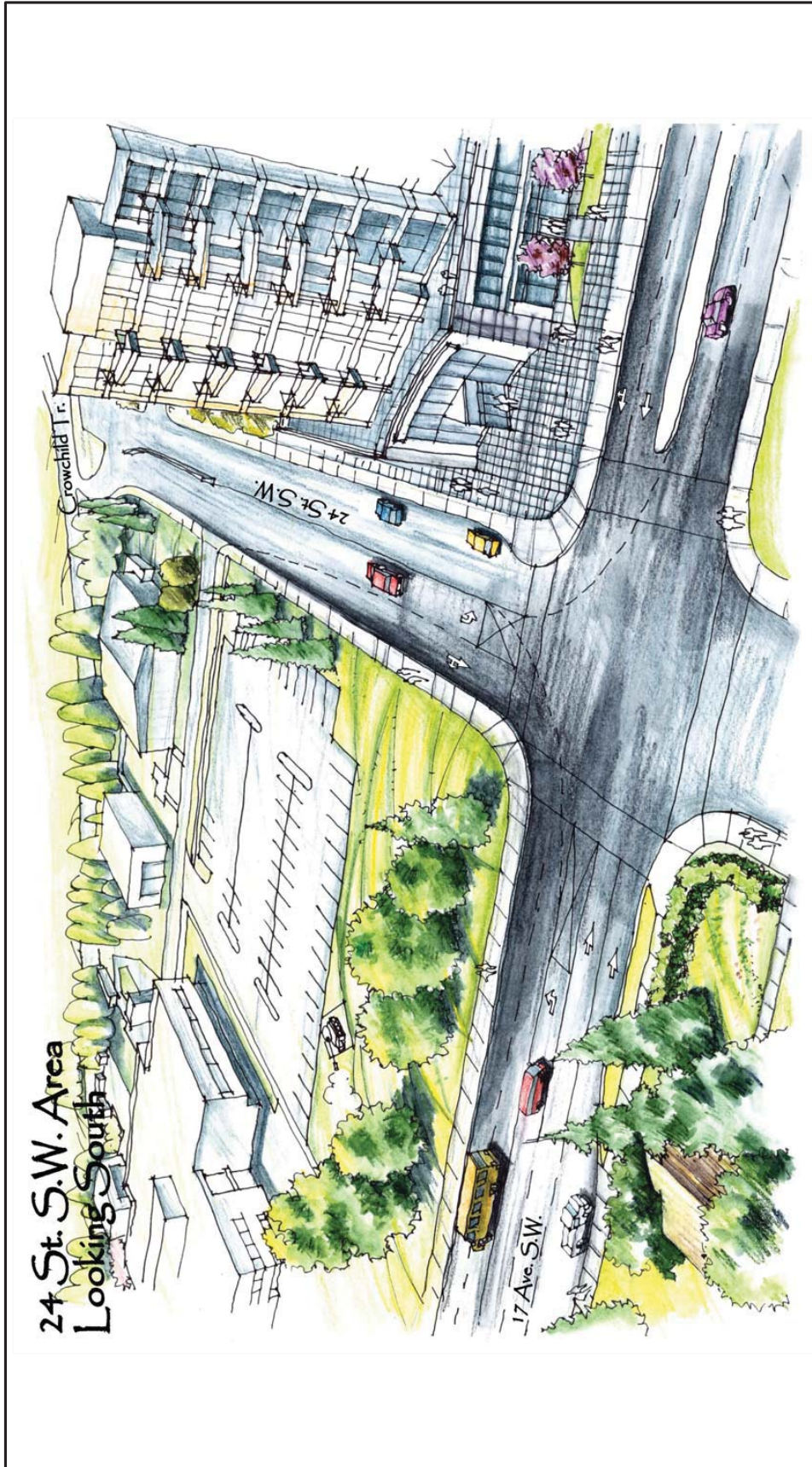
PRELIMINARY
FOR DISCUSSION ONLY
SUBJECT TO DESIGN

CROWCHILD TRAIL STUDY



MEDIUM-TERM RECOMMENDED PLAN
PERSPECTIVE SKETCH
RICHMOND RD AREA LOOKING SOUTHWEST
EXHIBIT 4.27
2017/03/01

Crowchild Trail Study - Recommended Medium-term Plan



24 St. S.W. Area
Looking South

Legend:

CROWCHILD TRAIL STUDY

MEDIUM-TERM RECOMMENDED PLAN
PERSPECTIVE SKETCH
24 ST SW AREA LOOKING SOUTH
EXHIBIT 4.28
2017/03/01

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PURPOSES ONLY





Noise Attenuation

Proposed Noise Walls



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Recommendations

- Noise walls along all residential properties immediately adjacent to Crowchild Tr. and along the ramps to and from Crowchild Tr.
- Community engagement prior to construction to review wall details including location, appearance and height.

Enhancements

- Absorptive materials and cantilevered walls can further mitigate noise.
- Noise walls may provide an opportunity to incorporate Public Art.
- Computer printing techniques allow most patterns or colours to be adopted on wall panels.

Examples of Noise Walls and Materials

(All photos courtesy of google.ca and project team)



Custom panel wall



Custom panel wall



Custom panel wall



Cantilevered wall



Cantilevered wall



Cantilevered wall with solar panel



Absorptive material

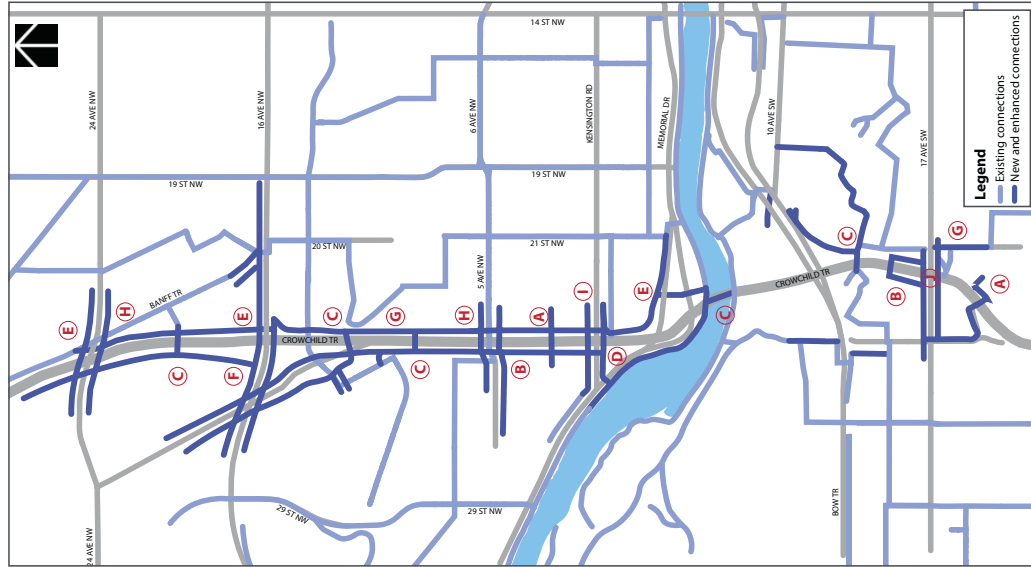


Transparent materials with artistic design



Transparent materials with colour

Proposed Walking and Cycling Connections



Recommendations

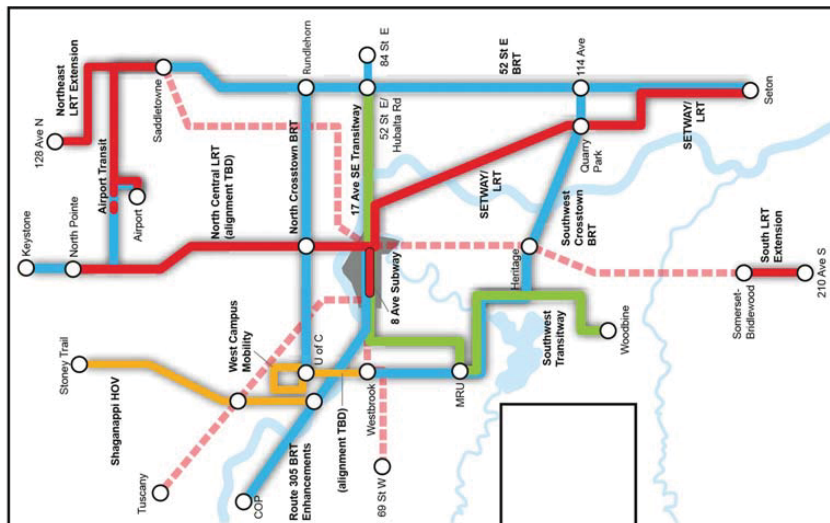
- A** New overpasses across Crowchild Tr. at 2 Ave. N.W. and 19 Ave. S.W.
- B** Land bridge-style overpasses across Crowchild Tr. at 5 Ave. N.W. and north of 17 Ave. S.W.
- C** Enhanced, accessible overpasses across Crowchild Tr. at 23 Ave. N.W., 12 Ave. N.W., 9 Ave. N.W., Sonora Ave. and under the Bow River Bridge.
- D** New crossing from the Bow River Pathway across Memorial Dr. at Parkdale Blvd. tying the Bow River Pathway to continuous north-south pathways on west side of Crowchild Tr.
- E** New and enhanced underpasses across 24 Ave. N.W., 16 Ave. N.W. and Memorial Dr. providing continuous north-south connectivity on the east side of Crowchild Tr.
- F** New connections along 16 Ave. N.W., connecting the Banff Trail LRT Station area with bordering communities and major destinations such as Foothills Medical Centre.
- G** New north-south bike lanes on 24 St. N.W. and Richmond Rd.
- H** New east-west bike lanes on 24 Ave. N.W. and 5 Ave. N.W., connecting bordering communities to the University of Calgary and other destinations.
- I** Enhancements along Kensington Rd. extending the Main Street feel continuously across Crowchild Tr. to Parkdale Blvd.
- J** Enhancements along 17 Ave. S.W. across Crowchild Tr. including construction of new pathway on south side of the street.

Examples of Pedestrian Crossings and Multi-Use Pathways



Future Planned Calgary Transit Projects

RouteAhead 10-year Rapid Transit Network
(includes existing rapid transit network)



calgary.ca | [contact 311](tel:403311)

Crowchild Trail Study - Recommended Medium-term Plan

Recommendations

- Upgrade and enhance bus stops along Crowchild Tr. to improve accessibility including:
 - Provide new stops on University Dr. for connections to 16 Ave. N.W.
 - Relocate Crowchild Tr. stops to Kensington Rd. interchange ramps.
 - Relocate 17 Ave. S.W. stops further north on Crowchild Tr.
- Accommodate convenient routes for people who walk and bike to transfer between local routes and primary transit services including:
 - Red Line LRT at Banff Trail Station.
 - North Crosstown BRT on 16 Ave. N.W. near Motel Village and University Dr.
 - Southwest BRT on Crowchild Tr. near 17 Ave. S.W.
- Maintain all east-west crossing locations over Crowchild Tr., allowing continuation of east-west transit connections (e.g. 16 Ave. N.W., 5 Ave. N.W., Kensington Rd. and 17 Ave. S.W.).
- Accommodate extended bus-only shoulder lanes in the long-term plan.

Examples of Stops and Transit Infrastructure

(All photos courtesy of google.ca and project team)



Calgary Transit bus



Enhanced bus stops



Banff Trail LRT station



Enhanced bus stops



Enhanced bus stops



Bus-only shoulder lane



Green Spaces

Crowchild Trail Study - Recommended Medium-term Plan

Proposed Green Spaces



Recommendations

- (A)** Redevelop surplus land on east side of 24 Ave. N.W. interchange with enhanced landscaping following construction, providing a green buffer to the bordering community.
- (B)** Redevelop surplus land on east side of 16 Ave. N.W. interchange with enhanced landscaping following construction, providing a green buffer to the bordering community.
- (C)** Redevelop surplus land along University Dr. near 13 Ave. N.W. with enhanced landscaping following construction, providing a green buffer to the bordering community.
- (D)** Redevelop 5 Ave. N.W. with enhanced landscaping and land bridge-style pedestrian overpass across Crowchild Tr.
- (E)** Provide 10 metre green buffer area, including pathway, along east side of Crowchild Tr. between noise wall and adjacent properties.
- (F)** Redevelop some City properties between Westmount Rd. and Memorial Dr. as green space following interchange construction, providing a buffer to the bordering community.
- (G)** Provide additional green space along Bow River as a result of relocation of Memorial Dr. exit ramp.
- (H)** Enhance existing park spaces north of 17 Ave. S.W. to provide visual buffer to the bordering community.
- (I)** Connect existing park spaces north of 17 Ave. S.W. with land bridge-style pedestrian overpass across Crowchild Tr.
- (J)** Enhance existing green spaces along Crowchild Tr. and 24 St. S.W.

Examples of Green Spaces, Buffers and Pathways



Multi-use pathway within green space



Multi-use pathway within green space



Multi-use pathway within green space



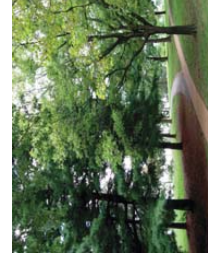
Land bridge



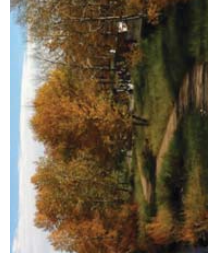
Land bridge



View on land bridge



Green space buffer



Green space buffer



Transportation Measures

Recommendations



Consider variable speed limits on Crowchild Tr. if provincial legislation changes in the future. Variable peak-hour speeds would be most effective from 16 Ave. N.W. to 17 Ave. S.W.

Variable speed limits



Design Crowchild Tr. from 24 Ave. N.W. to Memorial Dr. to accommodate a 60-80 km/h speed limit. The recommendations maintain standard lane widths of 3.7 m on Crowchild Tr. Consider lane width reduction from to 3.5m at the detailed design stage, if required.

Reduce speed limits or lane widths



Accommodate extended bus-only shoulder lanes in the long-term plan.

Bus-only lanes



When changes to Crowchild Tr. are implemented, work with the bordering communities to address any implications the changes would have to traffic patterns on local streets.

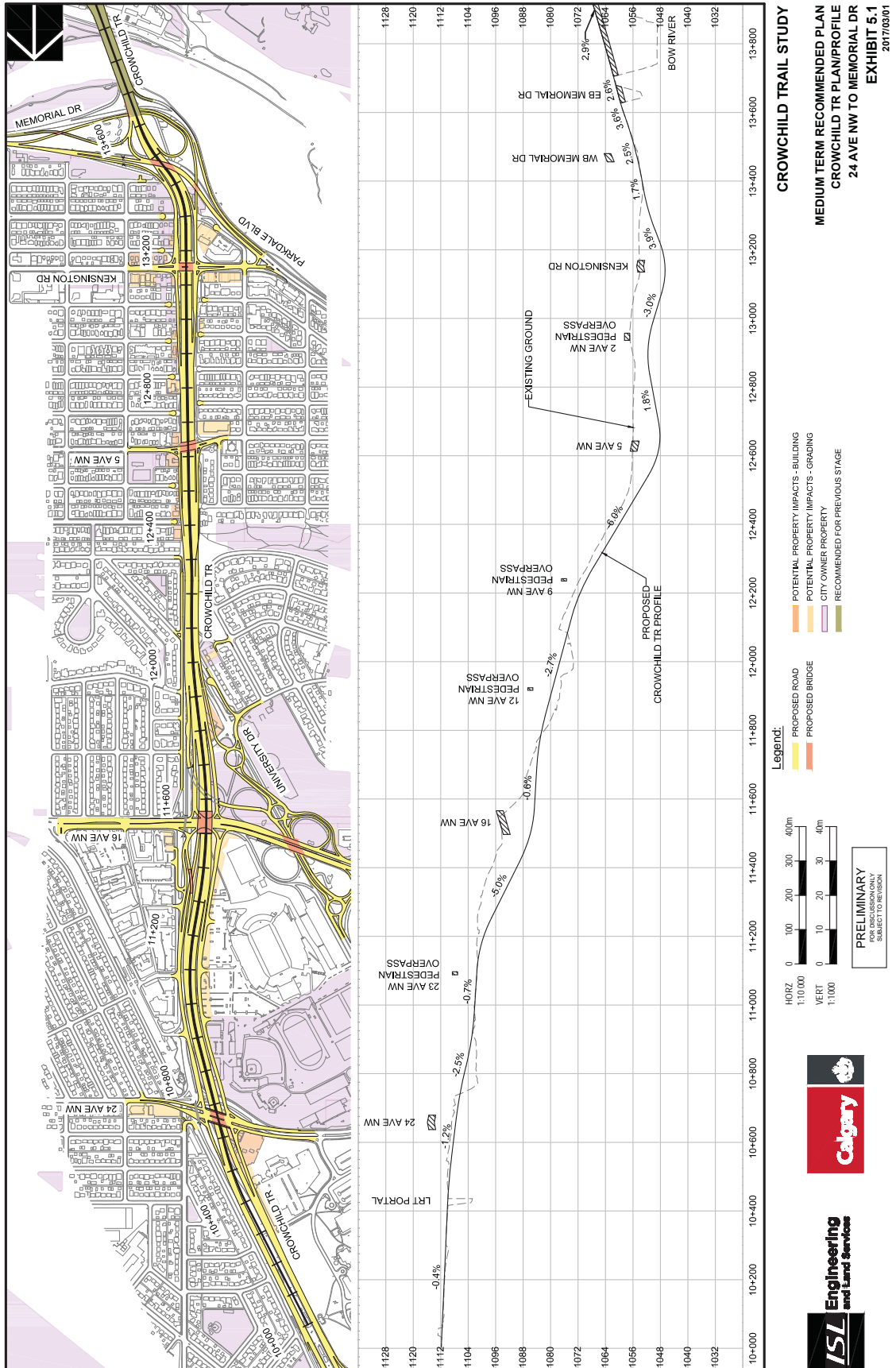
Mitigate neighbourhood traffic

(All photos courtesy of google.ca and project team)

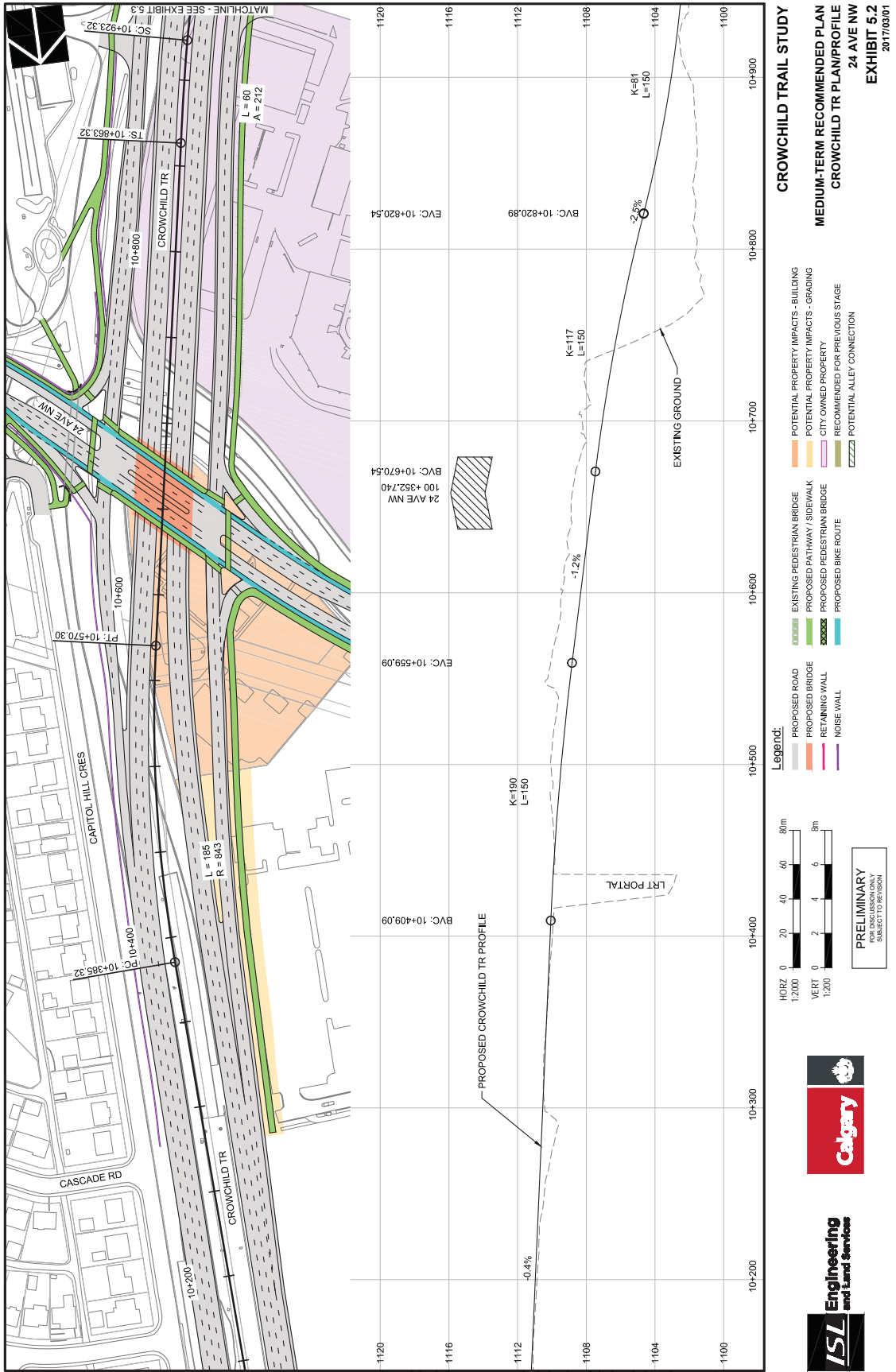
calgary.ca | [contact 311](tel:311)

Crowchild Trail Study

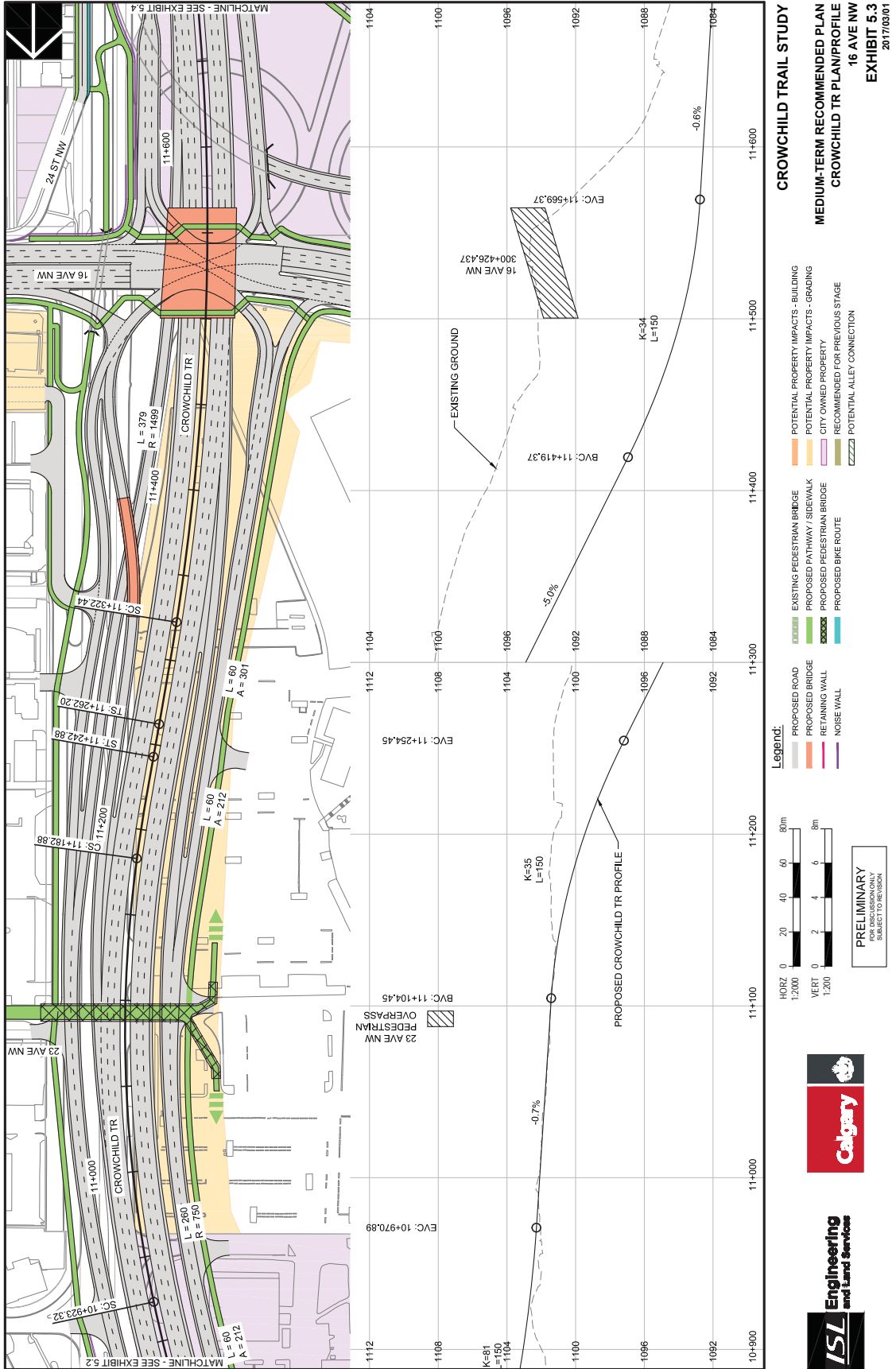
Crowchild Trail Study - Recommended Medium-term Plan



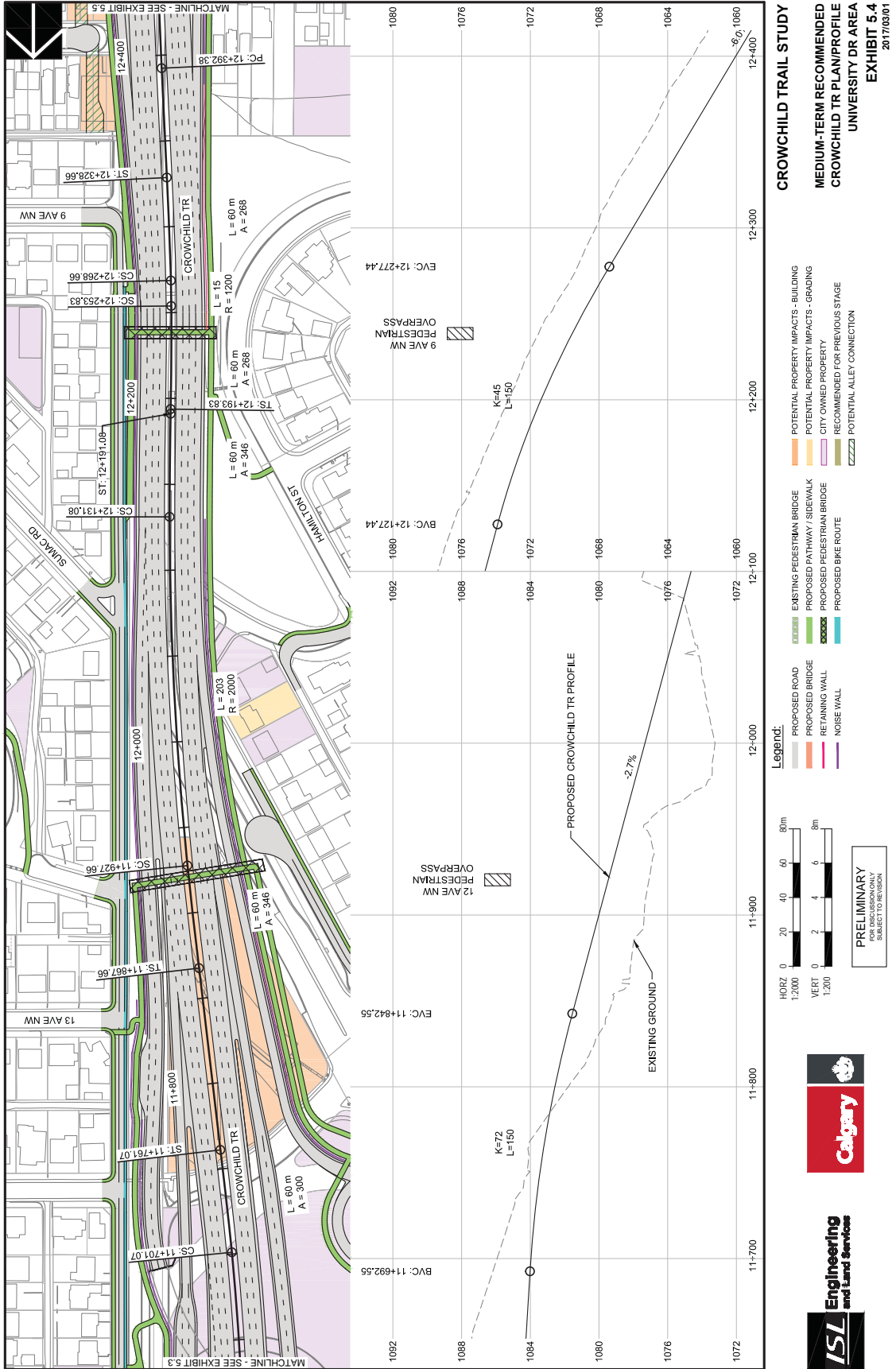
Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan



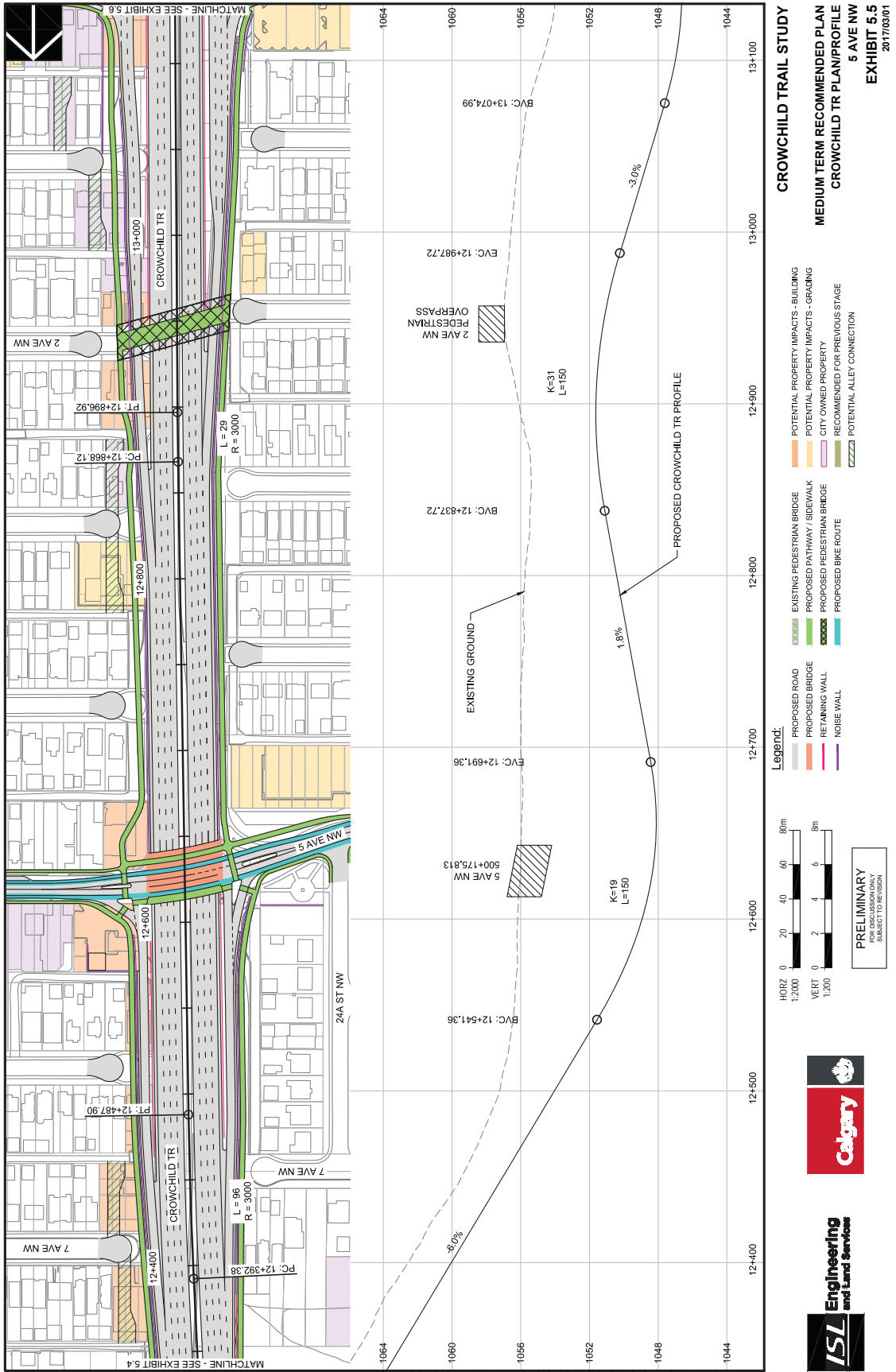
Crowchild Trail Study - Recommended Medium-term Plan



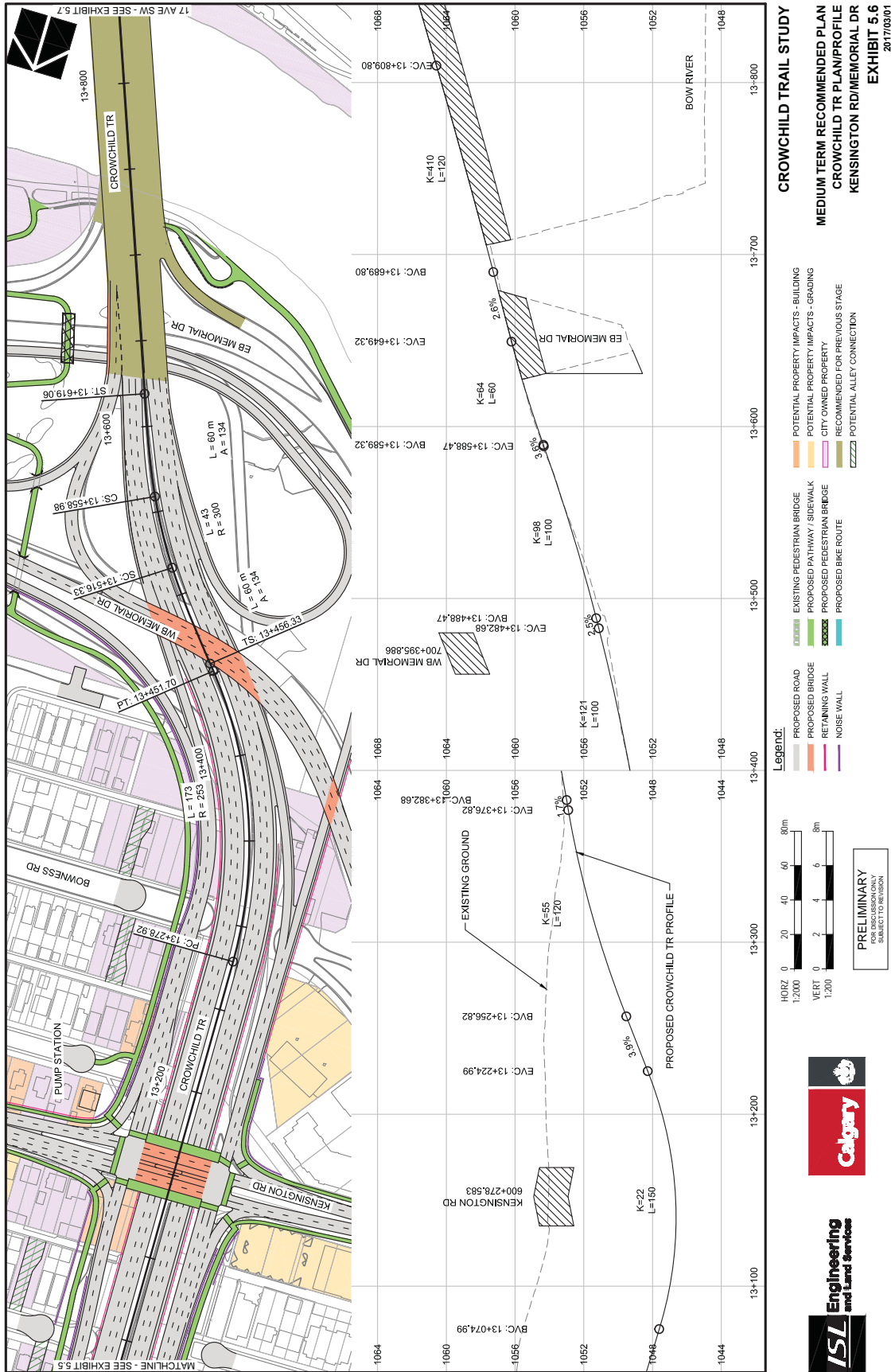
CROWCHILD TRAIL STUDY
 MEDIUM-TERM RECOMMENDED
 CROWCHILD TR PLAN/PROFILE
 UNIVERSITY DR AREA
 EXHIBIT 5.4
 2017/03/01



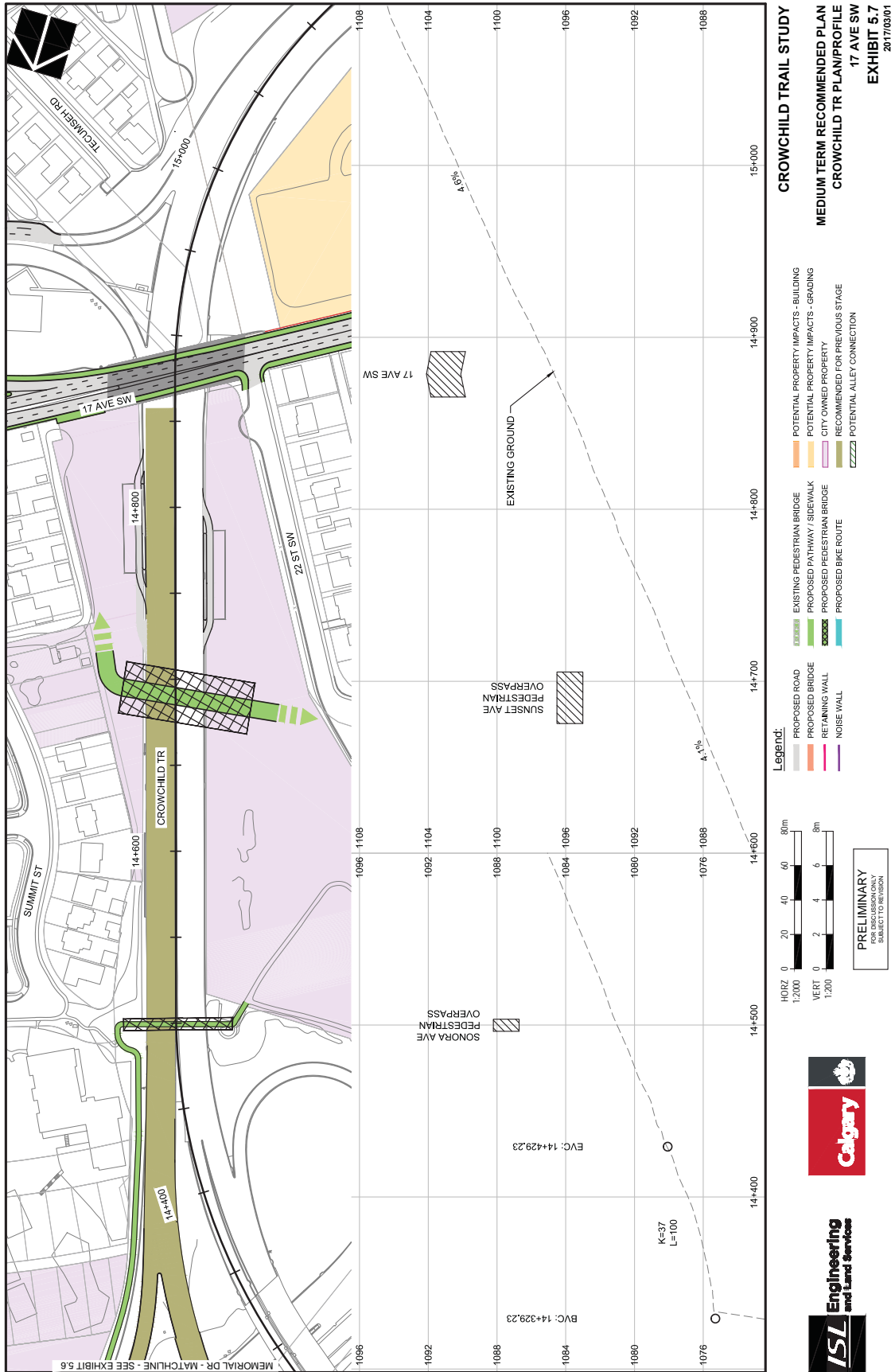
Crowchild Trail Study - Recommended Medium-term Plan



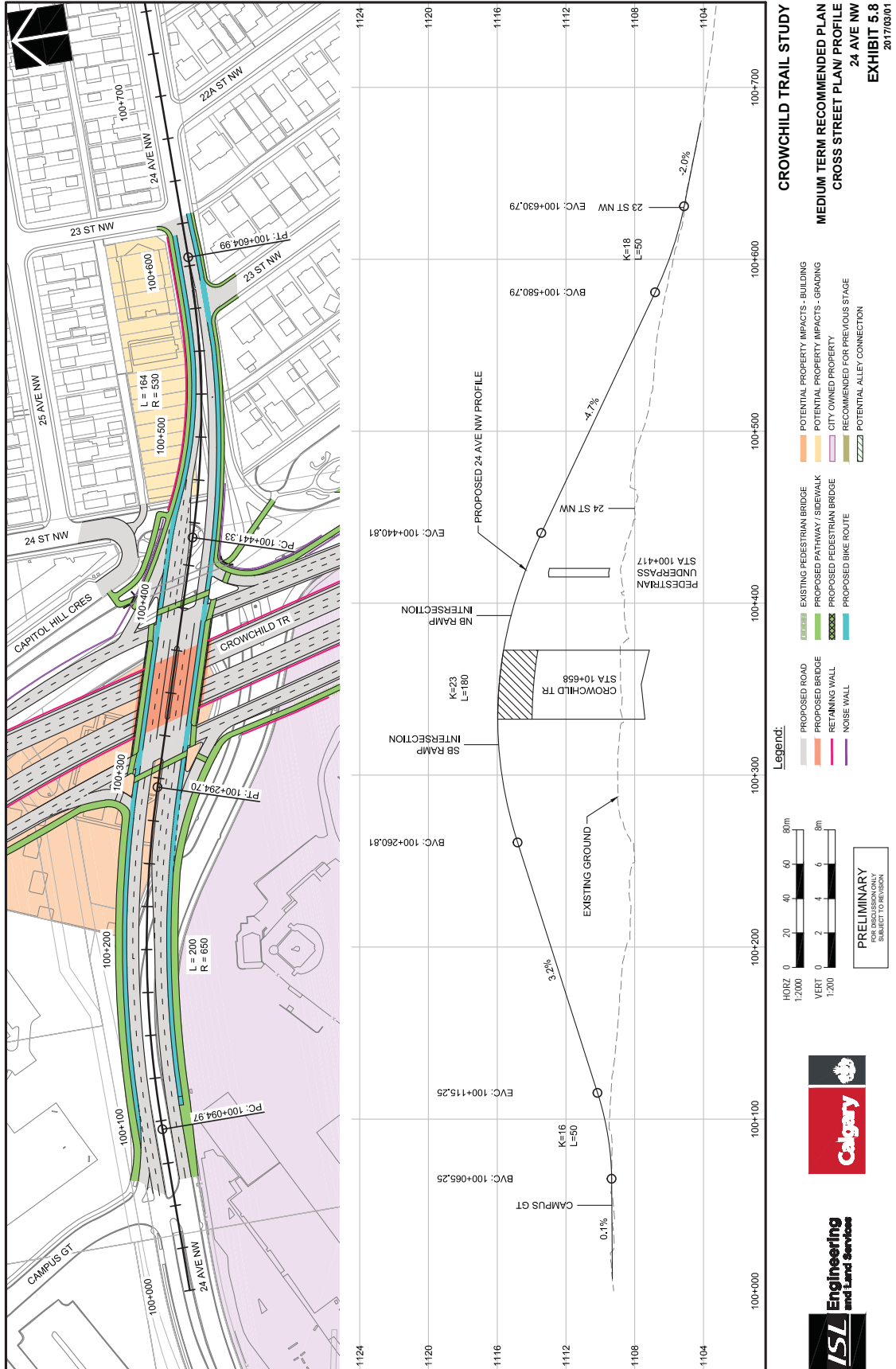
Crowchild Trail Study - Recommended Medium-term Plan



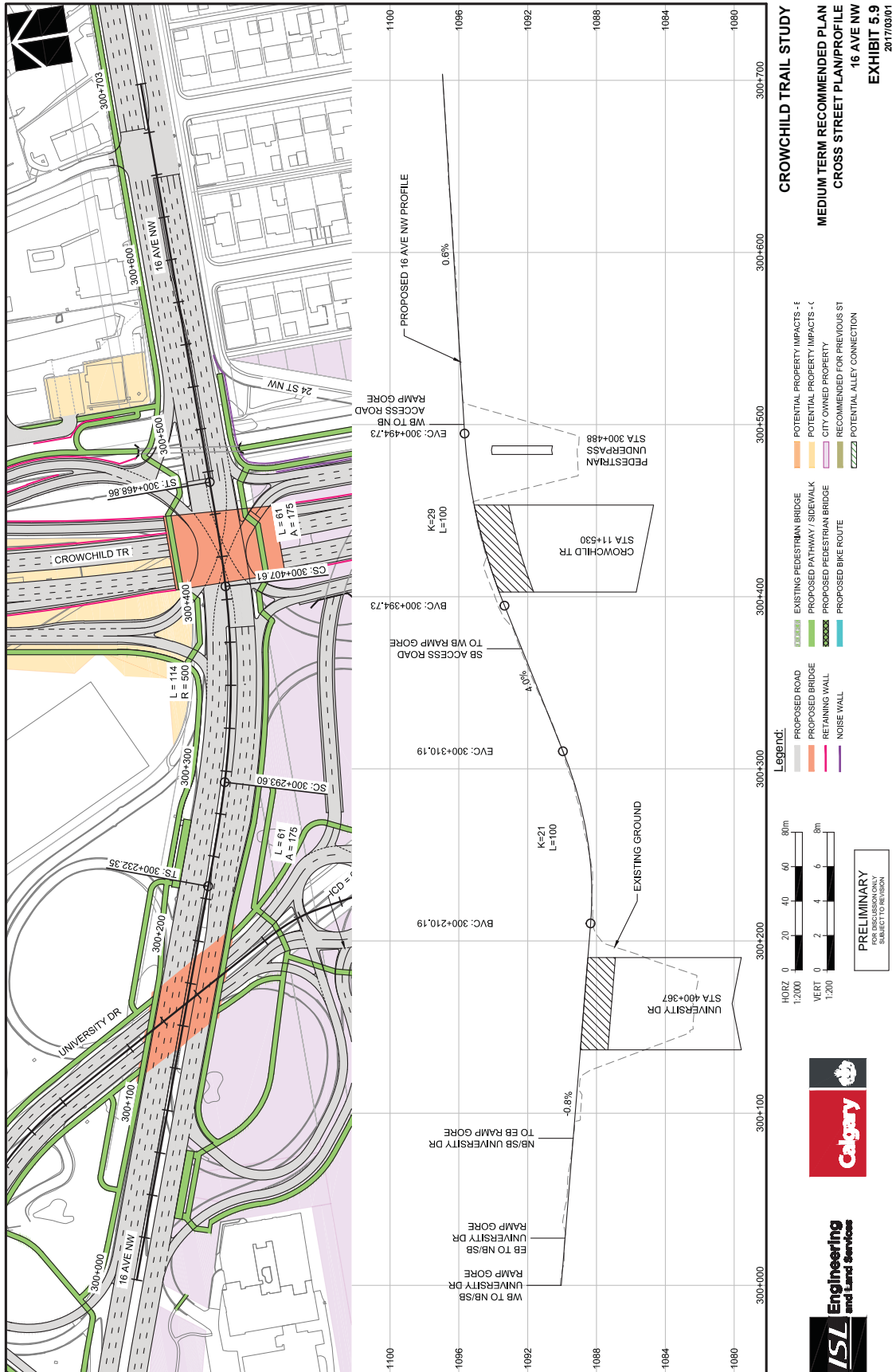
Crowchild Trail Study - Recommended Medium-term Plan



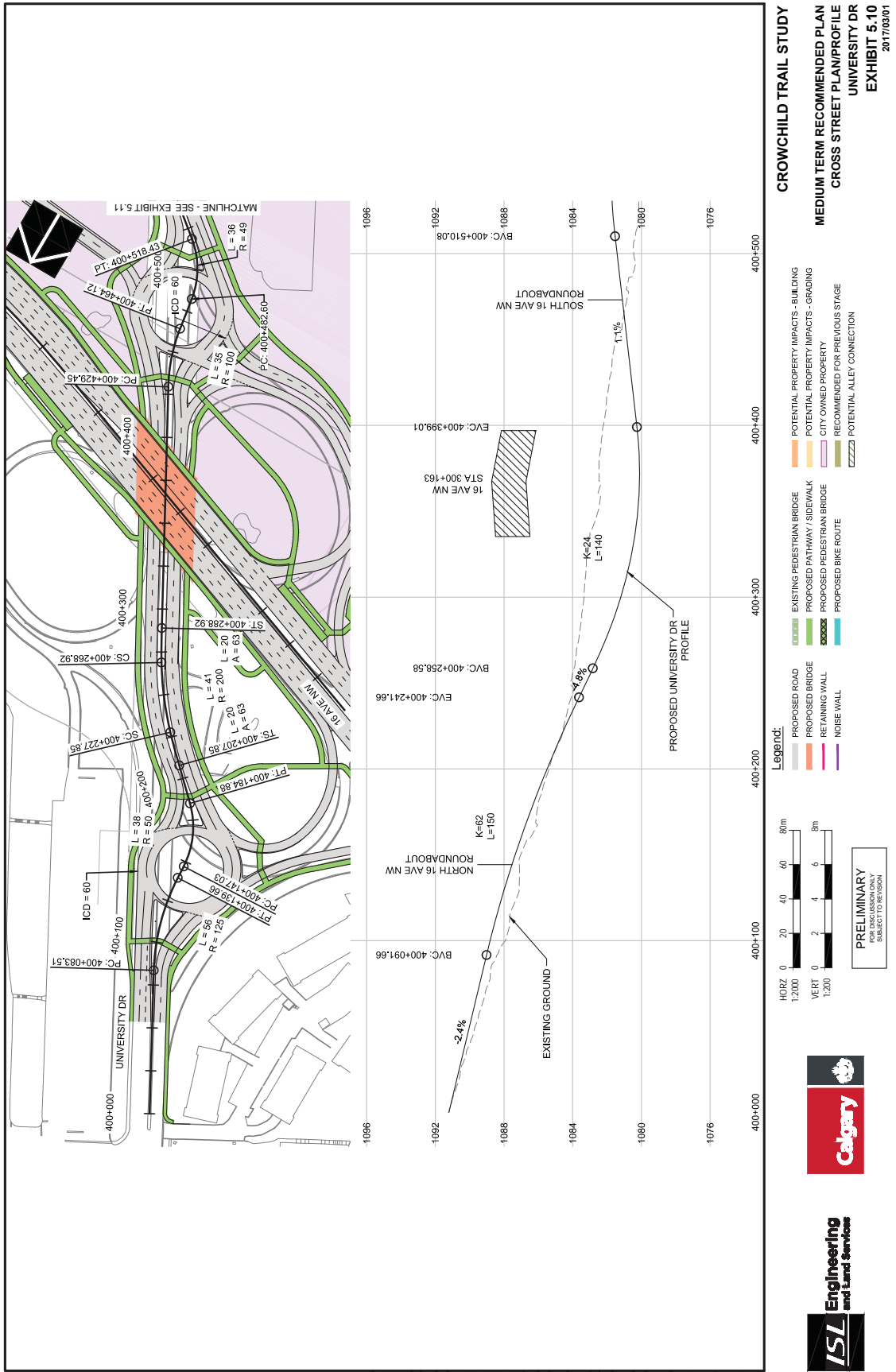
Crowchild Trail Study - Recommended Medium-term Plan



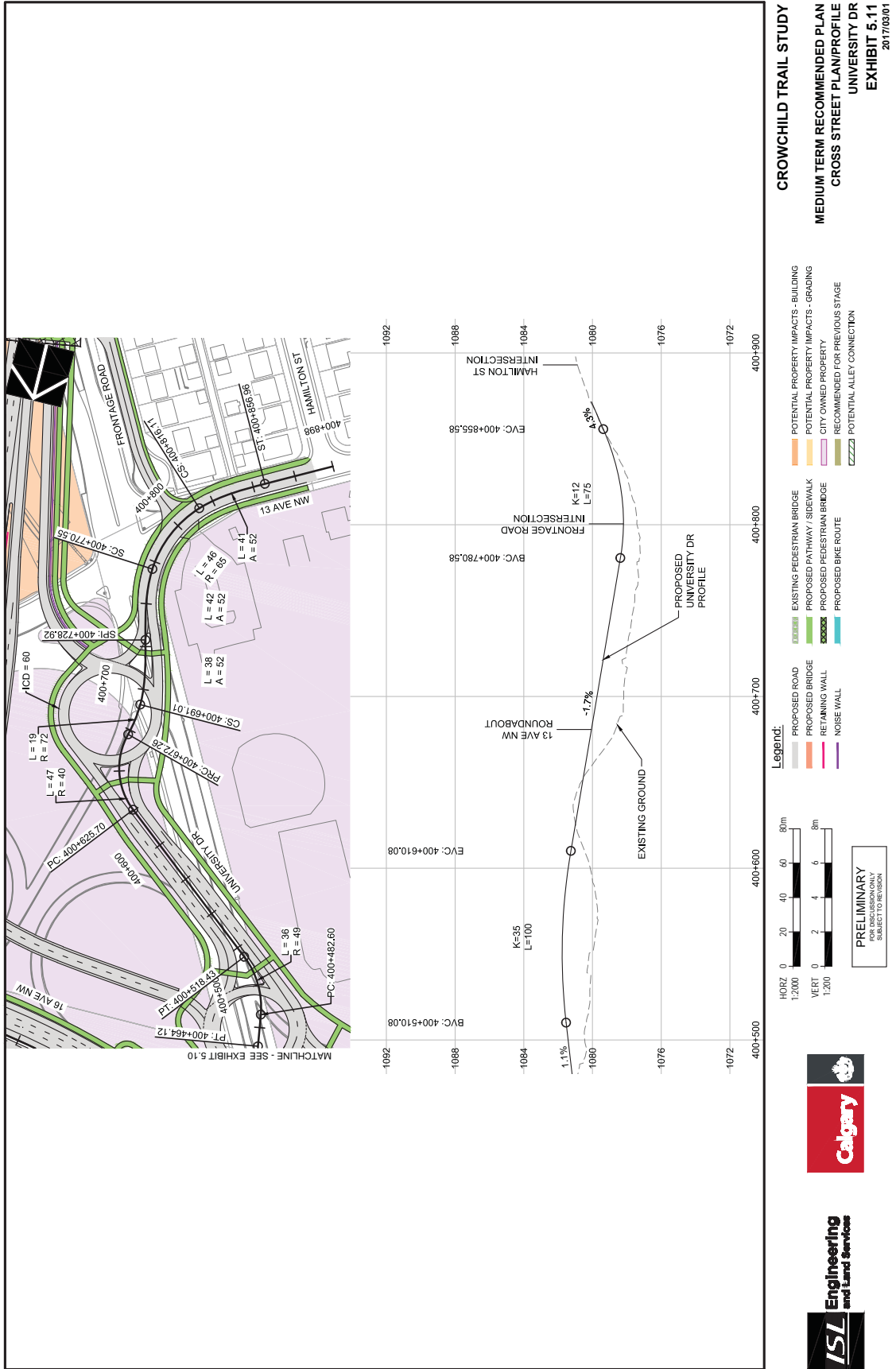
Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan

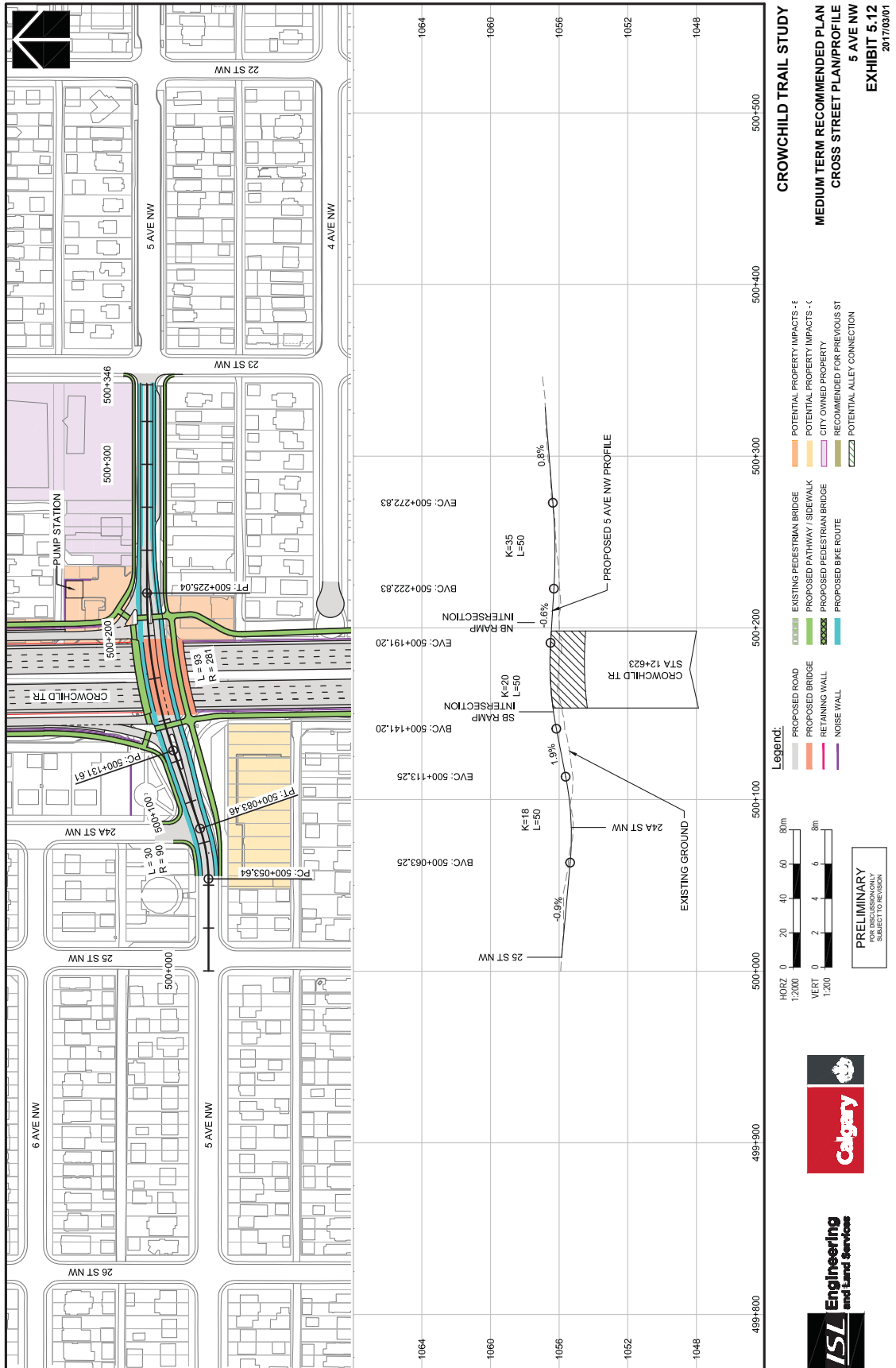


Crowchild Trail Study - Recommended Medium-term Plan

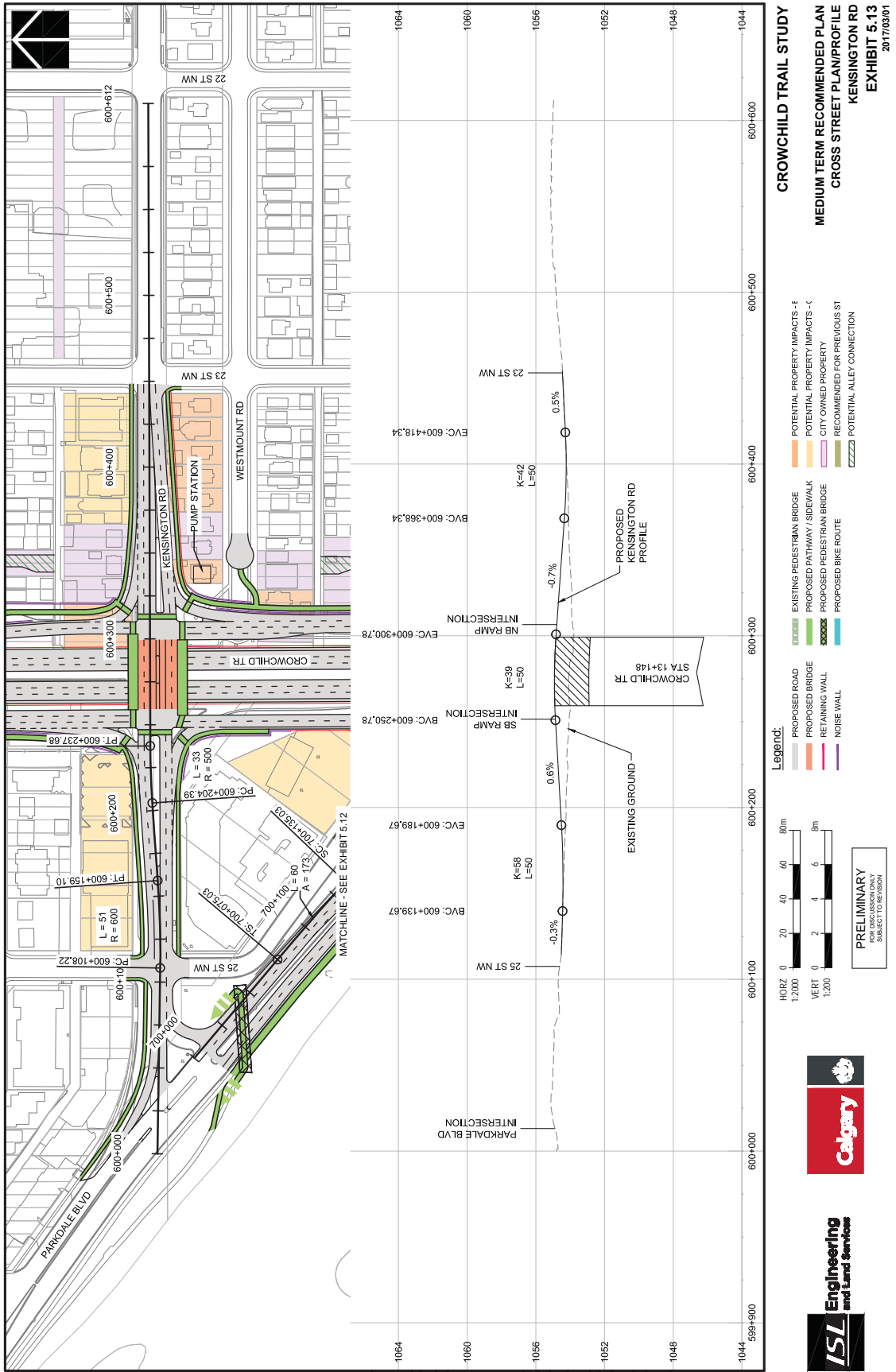


CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
CROSS STREET PLAN/PROFILE
UNIVERSITY DR
EXHIBIT 5.11
 2017/03/01

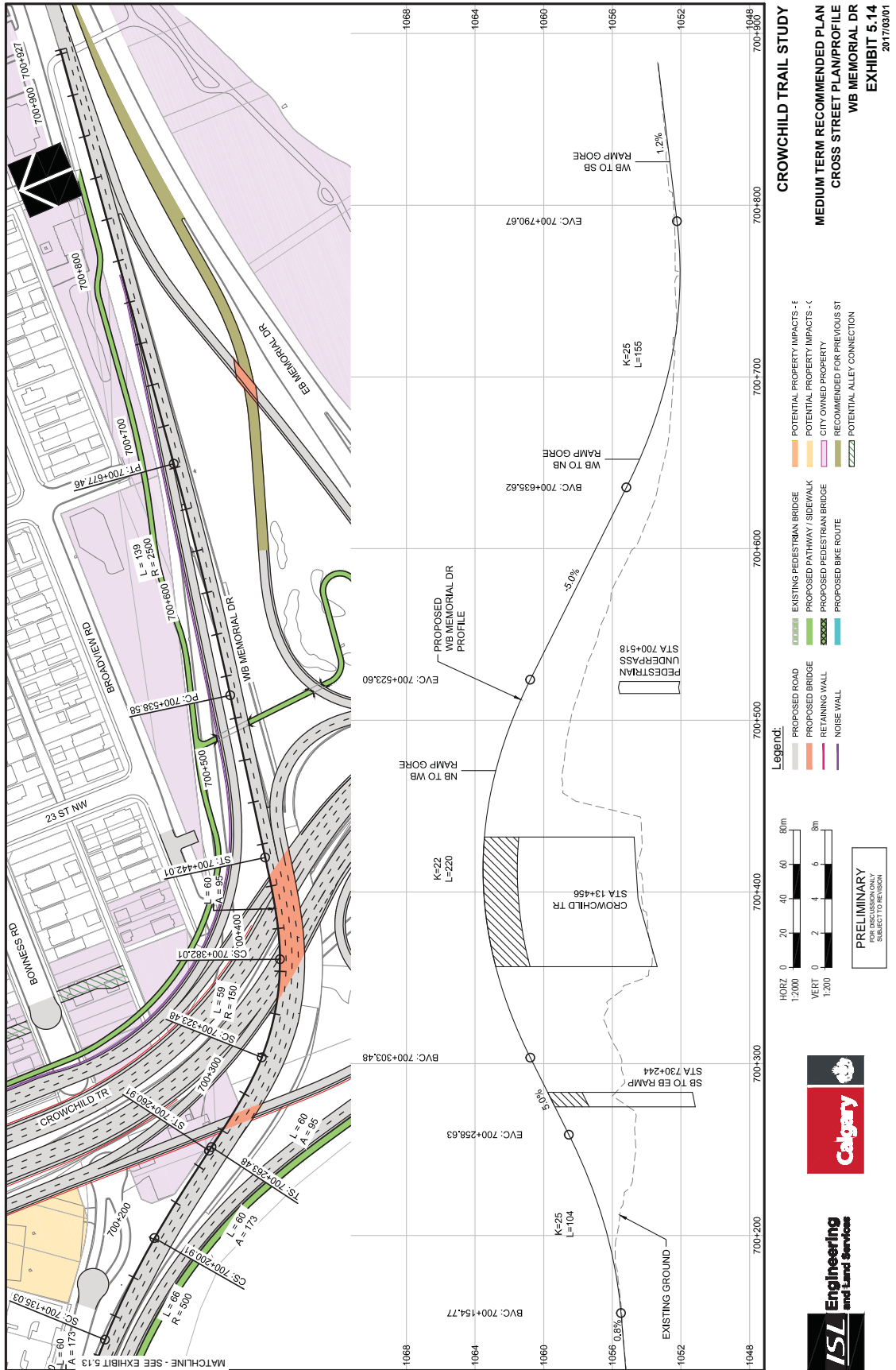
Crowchild Trail Study - Recommended Medium-term Plan



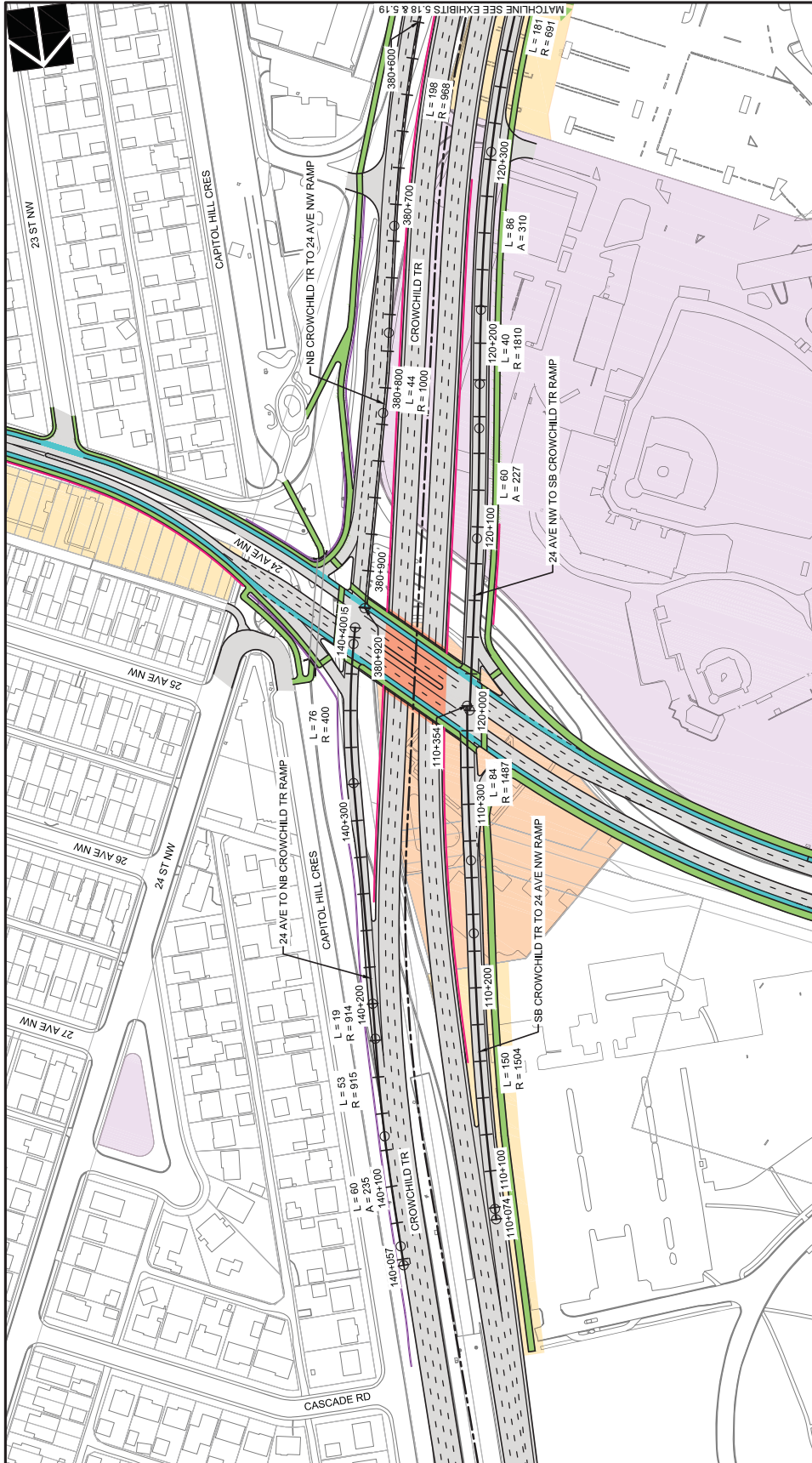
Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY

MEDIUM TERM RECOMMENDED PLAN
RAMP ALIGNMENTS
24 AVE NW AREA
EXHIBIT 5.15
2017/03/01

Legend:

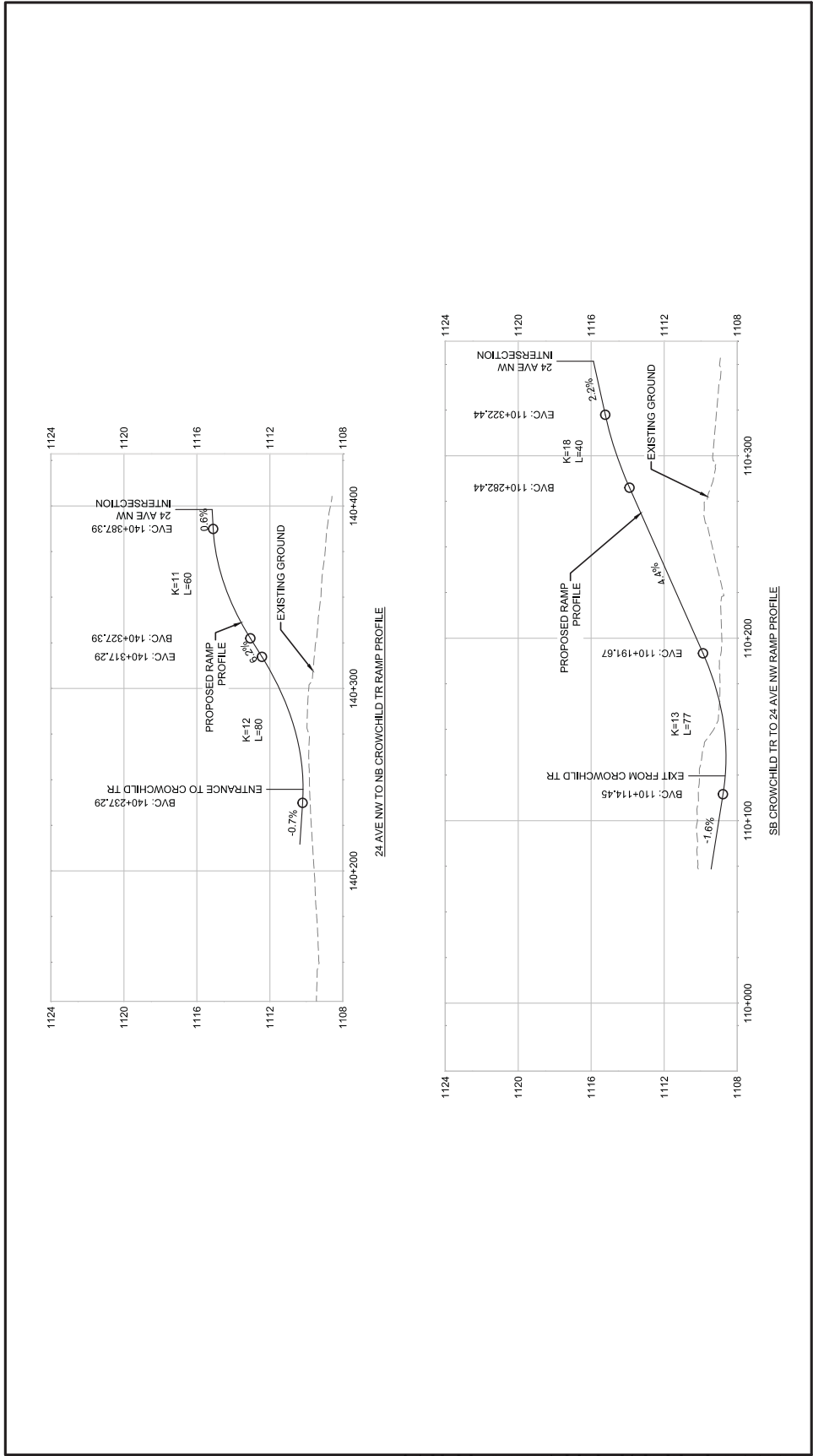
- █ PROPOSED ROADWAY
- █ PROPOSED BRIDGE
- █ EXISTING PEDESTRIAN BRIDGE
- █ PROPOSED PATHWAY / SIDEWALK
- █ PROPOSED PEDESTRIAN BRIDGE
- █ POTENTIAL PROPERTY IMPACTS - BUILDING
- █ POTENTIAL PROPERTY IMPACTS - GRADING
- █ CITY OWNED PROPERTY
- █ RECOMMENDED FOR PREVIOUS STAGE
- █ POTENTIAL ALLEY CONNECTION
- █ RETAINING WALL
- █ NOISE WALL
- █ PROPOSED BIKE ROUTE

Legend:

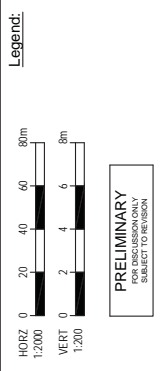
- HORIZ 0 20 40 60 80m
- VERT 0 2 4 6 8m
- 1:200
- 1:200

PRELIMINARY
FOR DISCUSSION ONLY
SUBJECT TO DESIGN

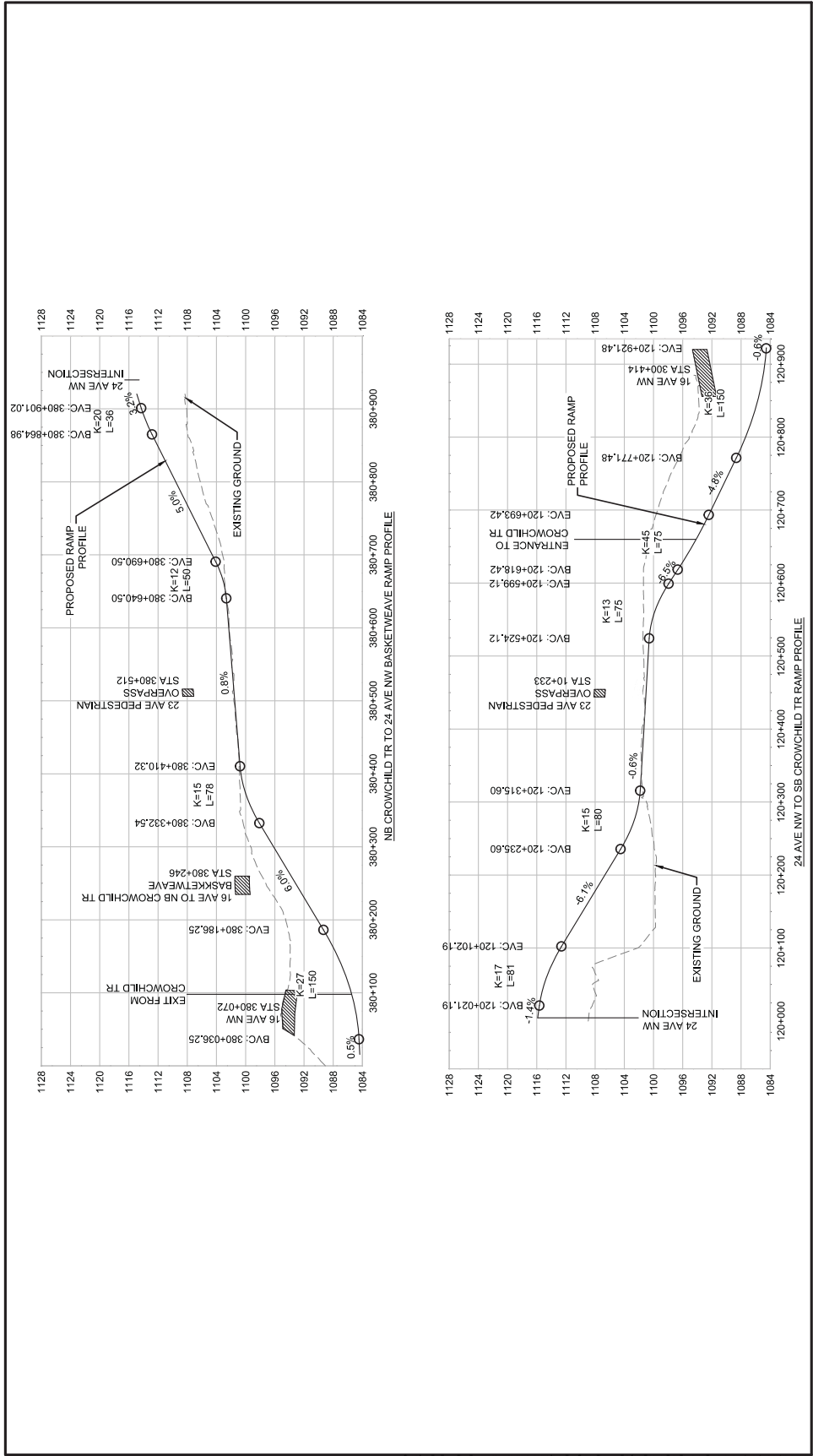
Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP PROFILES
24 AVE NW AREA
EXHIBIT 5.16
 2017/03/01



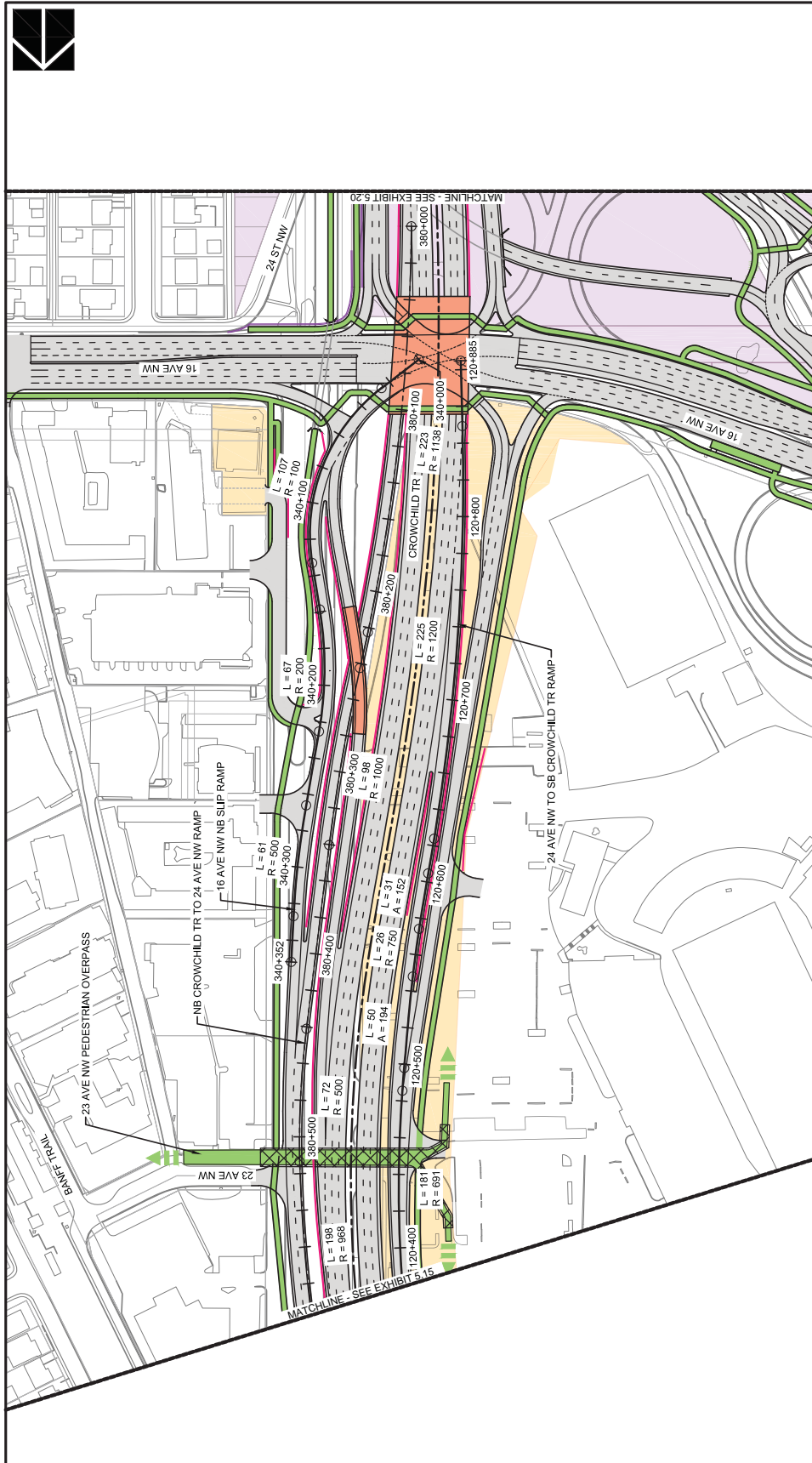
Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP PROFILES
24 AVE NW AREA
EXHIBIT 5.17
 2017/03/01



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP ALIGNMENTS
16 AVE NW AREA
EXHIBIT 5.18
 2017/03/01

- POTENTIAL PROPERTY IMPACTS - BUILDING
- POTENTIAL PROPERTY IMPACTS - GRADING
- CITY OWNED PROPERTY
- RECOMMENDED FOR PREVIOUS STAGE
- POTENTIAL ALLEY CONNECTION

- EXISTING PEDESTRIAN BRIDGE
- PROPOSED PATHWAY / SIDEWALK
- PROPOSED PEDESTRIAN BRIDGE
- PROPOSED BIKE ROUTE

- PROPOSED ROAD
- PROPOSED BRIDGE
- RETAINING WALL
- NOISE WALL

Legend:

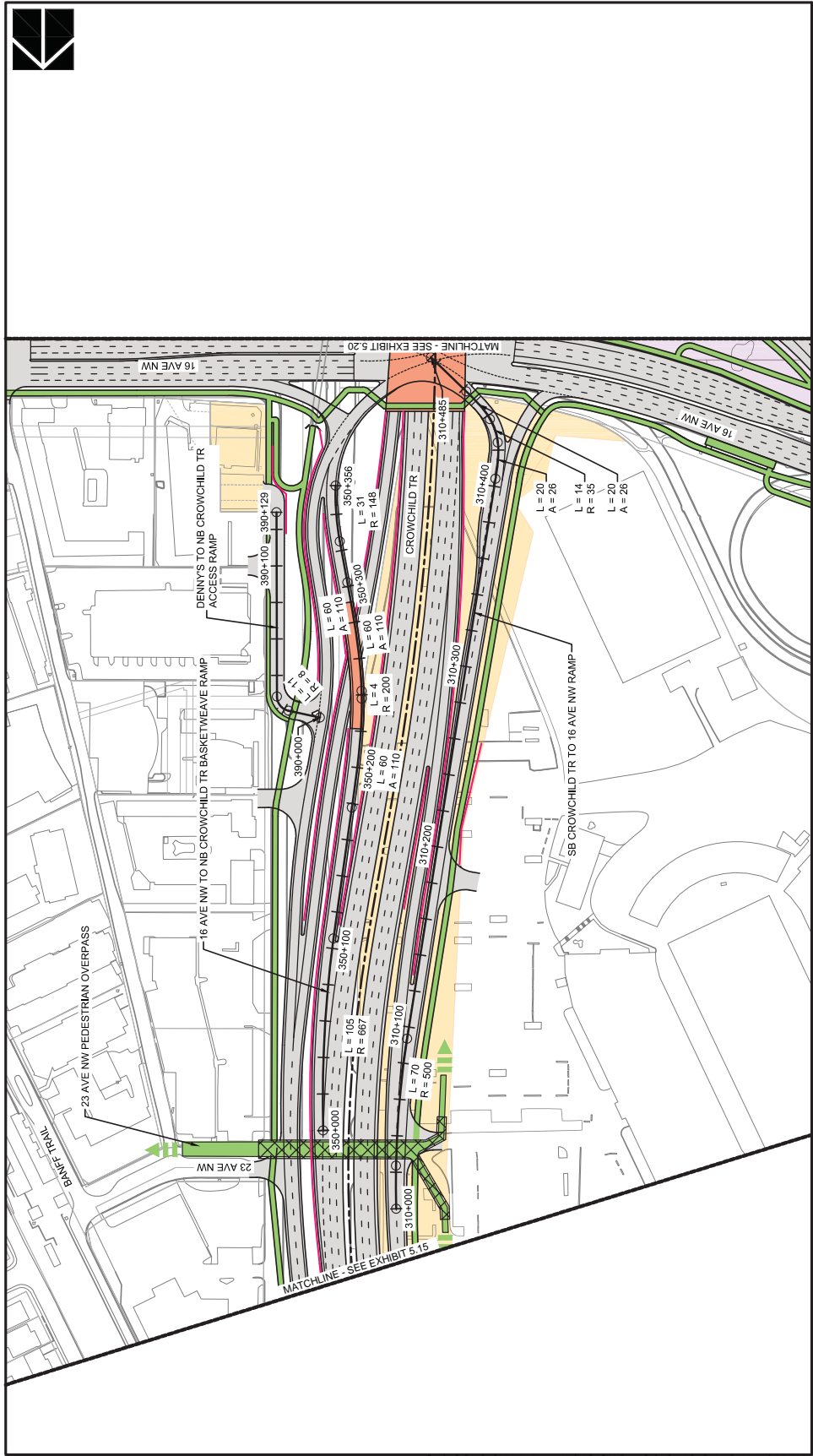
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 1:2000

VERT 0 2 4 6 8m
 1:200

PRELIMINARY
 FOR DISCUSSION ONLY
 SUBJECT TO DESIGN



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP ALIGNMENTS
16 AVE NW AREA
EXHIBIT 5.19
 2017/03/01

- POTENTIAL PROPERTY IMPACTS - BUILDING
- POTENTIAL PROPERTY IMPACTS - GRADING
- CITY OWNED PROPERTY
- RECOMMENDED FOR PREVIOUS STAGE
- POTENTIAL ALLEY CONNECTION

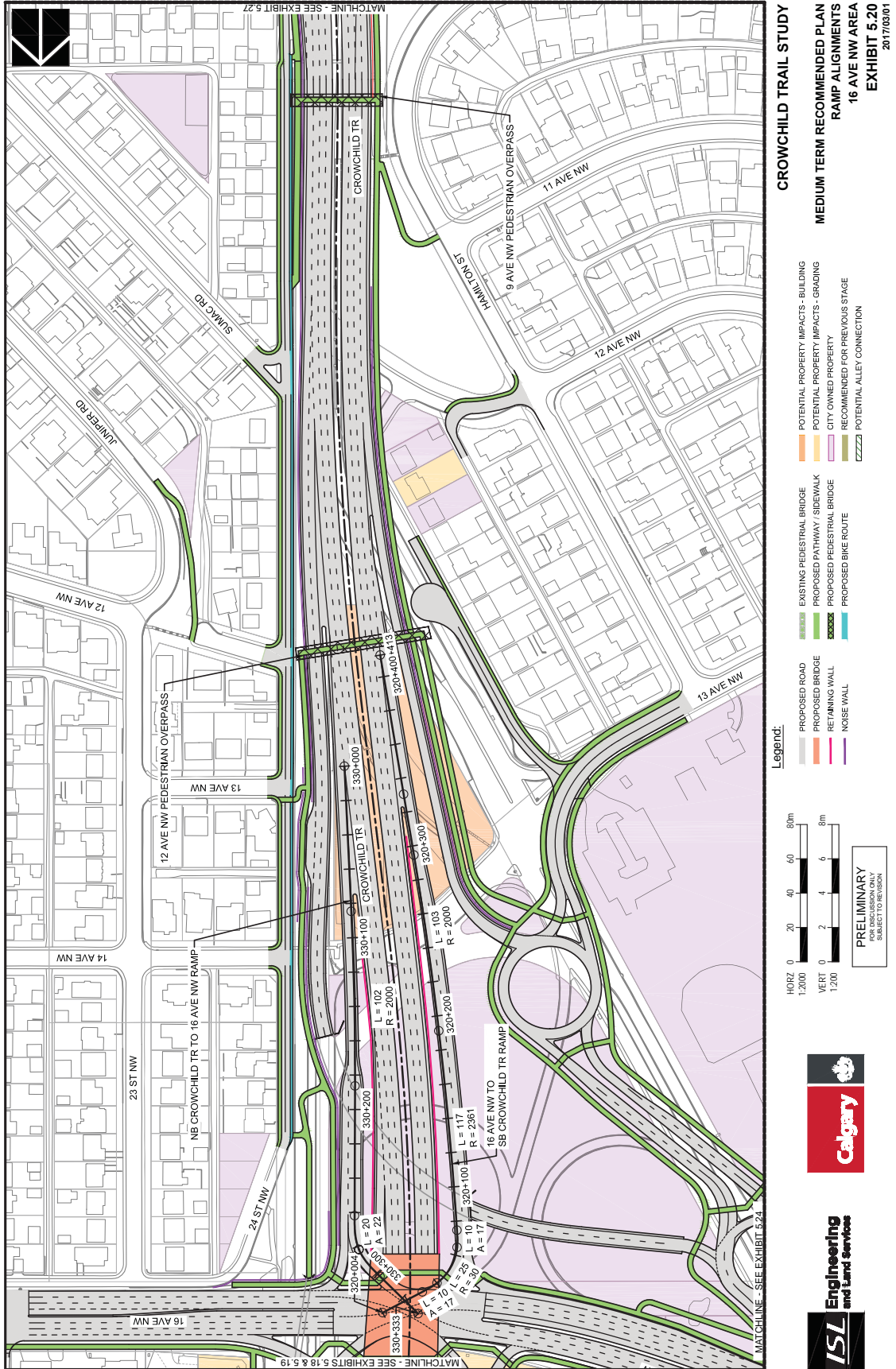
- EXISTING PEDESTRIAN BRIDGE
- PROPOSED PATHWAY / SIDEWALK
- PROPOSED PEDESTRIAN BRIDGE
- PROPOSED BIKE ROUTE

- PROPOSED ROAD
- PROPOSED BRIDGE
- REMAINING WALL
- NOISE WALL

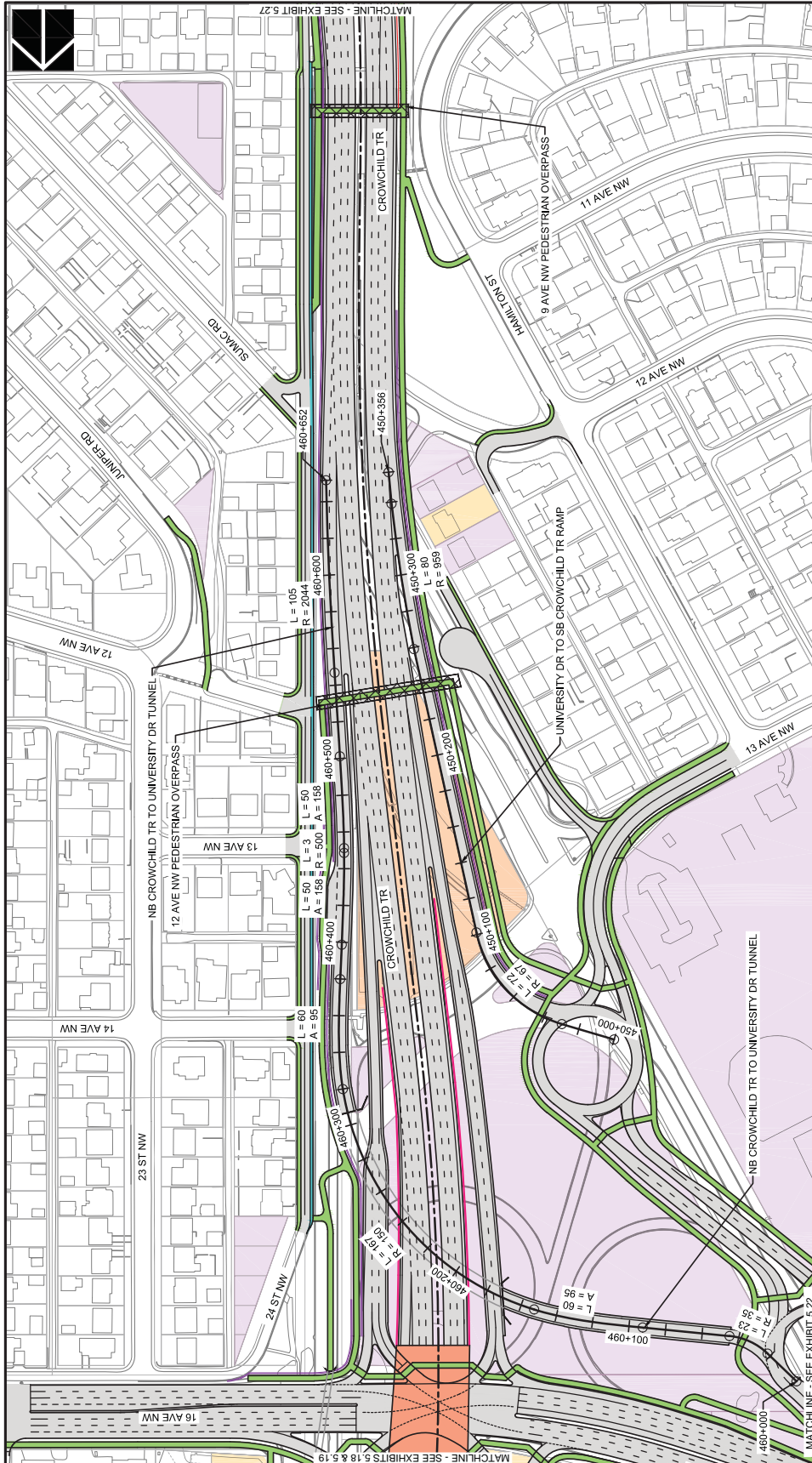
Legend:
 HORIZ 0 20 40 60 80m
 1:2000
 VERT 0 2 4 6 8m
 1:200
PRELIMINARY
 FOR DISCUSSION ONLY
 SUBJECT TO DESIGN



Crowchild Trail Study - Recommended Medium-term Plan

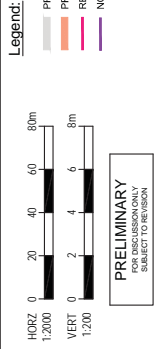


Crowchild Trail Study - Recommended Medium-term Plan

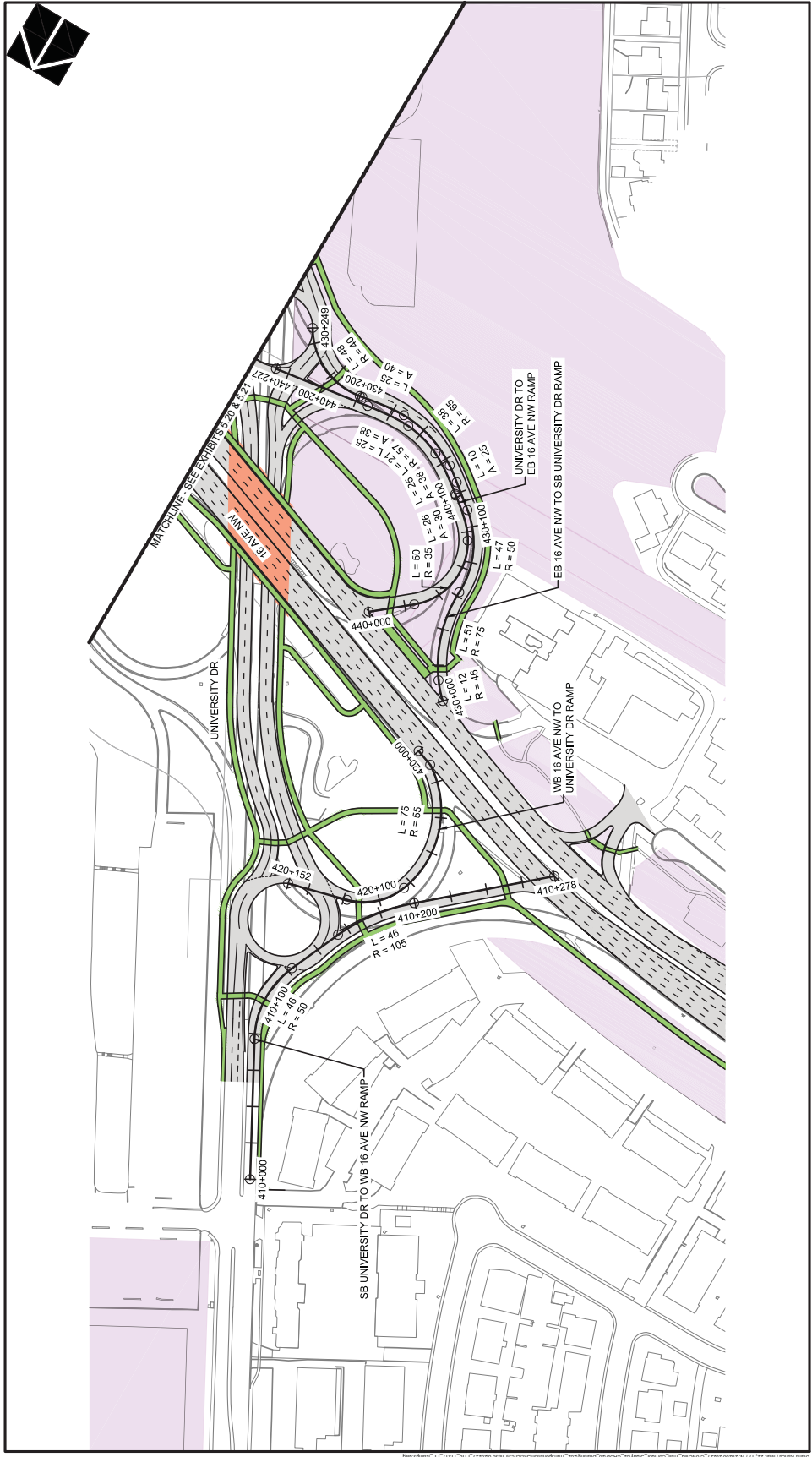


- Legend:**
- POTENTIAL PROPERTY IMPACTS - BUILDING
 - POTENTIAL PROPERTY IMPACTS - GRADING
 - CITY OWNED PROPERTY
 - RECOMMENDED FOR PREVIOUS STAGE
 - POTENTIAL ALLEY CONNECTION

- PROPOSED ROAD
- PROPOSED BRIDGE
- RETAINING WALL
- NOISE WALL
- EXISTING PEDESTRIAN BRIDGE
- PROPOSED PATHWAY / SIDEWALK
- PROPOSED PEDESTRIAN BRIDGE
- PROPOSED BIKE ROUTE



Crowchild Trail Study - Recommended Medium-term Plan



THE CITY OF CALGARY
MEDIUM TERM RECOMMENDED PLAN
RAMP ALIGNMENTS
UNIVERSITY DR AREA
EXHIBIT 5.22
 2017/01/19

Legend:

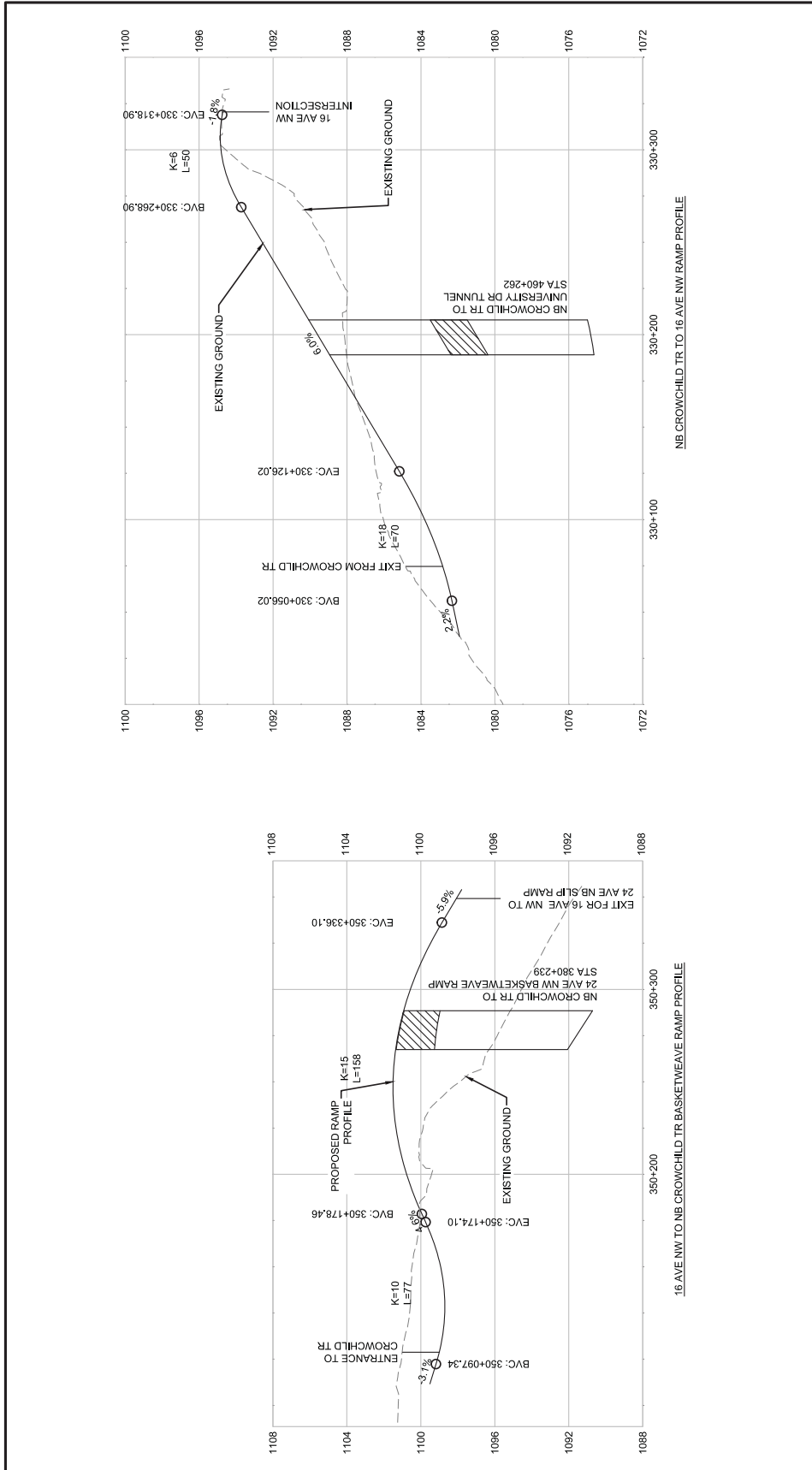
- PROPOSED ROAD
- PROPOSED BRIDGE
- RETAINING WALL
- NOISE WALL
- EXISTING PEDESTRIAN BRIDGE
- PROPOSED PATHWAY / SIDEWALK
- PROPOSED PEDESTRIAN BRIDGE
- PROPOSED BIKE ROUTE
- POTENTIAL PROPERTY IMPACTS - BUILDING
- POTENTIAL PROPERTY IMPACTS - GRADING
- CITY OWNED PROPERTY
- RECOMMENDED FOR PREVIOUS STAGE
- POTENTIAL ALLEY CONNECTION

HORZ 0 20 40 60 80m
 VERT 0 2 4 6 8m
 1:200
 1:200

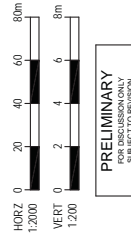
PRELIMINARY
 SUBJECT TO DESIGN

ISL Engineering and Land Services
Calgary

Crowchild Trail Study - Recommended Medium-term Plan

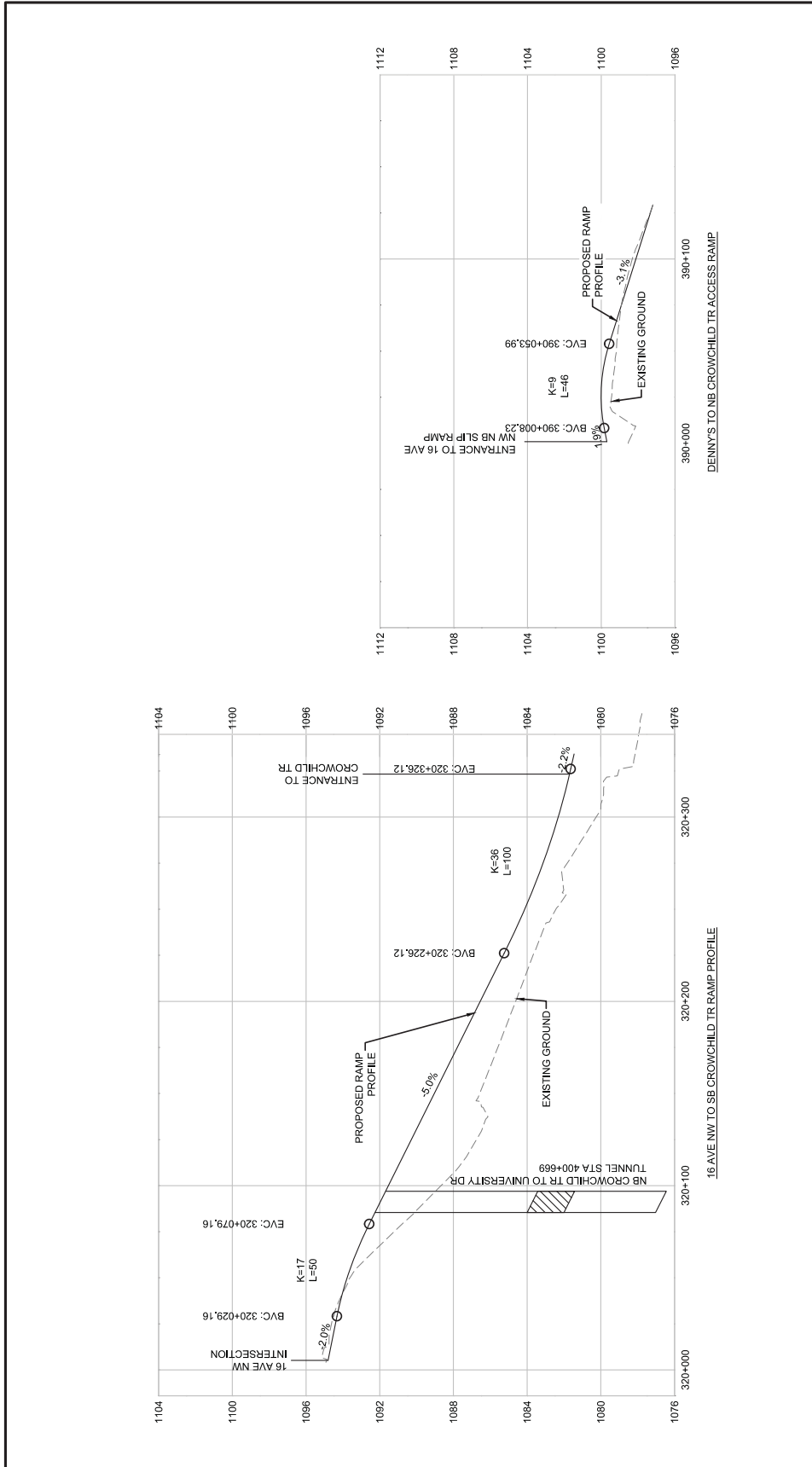


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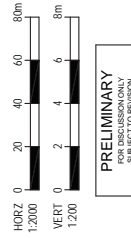


CROWCHILD TRAIL STUDY
 MEDIUM TERM RECOMMENDED PLAN
 RAMP PROFILES
 16 AVE NW AREA
 EXHIBIT 5.23
 2017/03/01

Crowchild Trail Study - Recommended Medium-term Plan

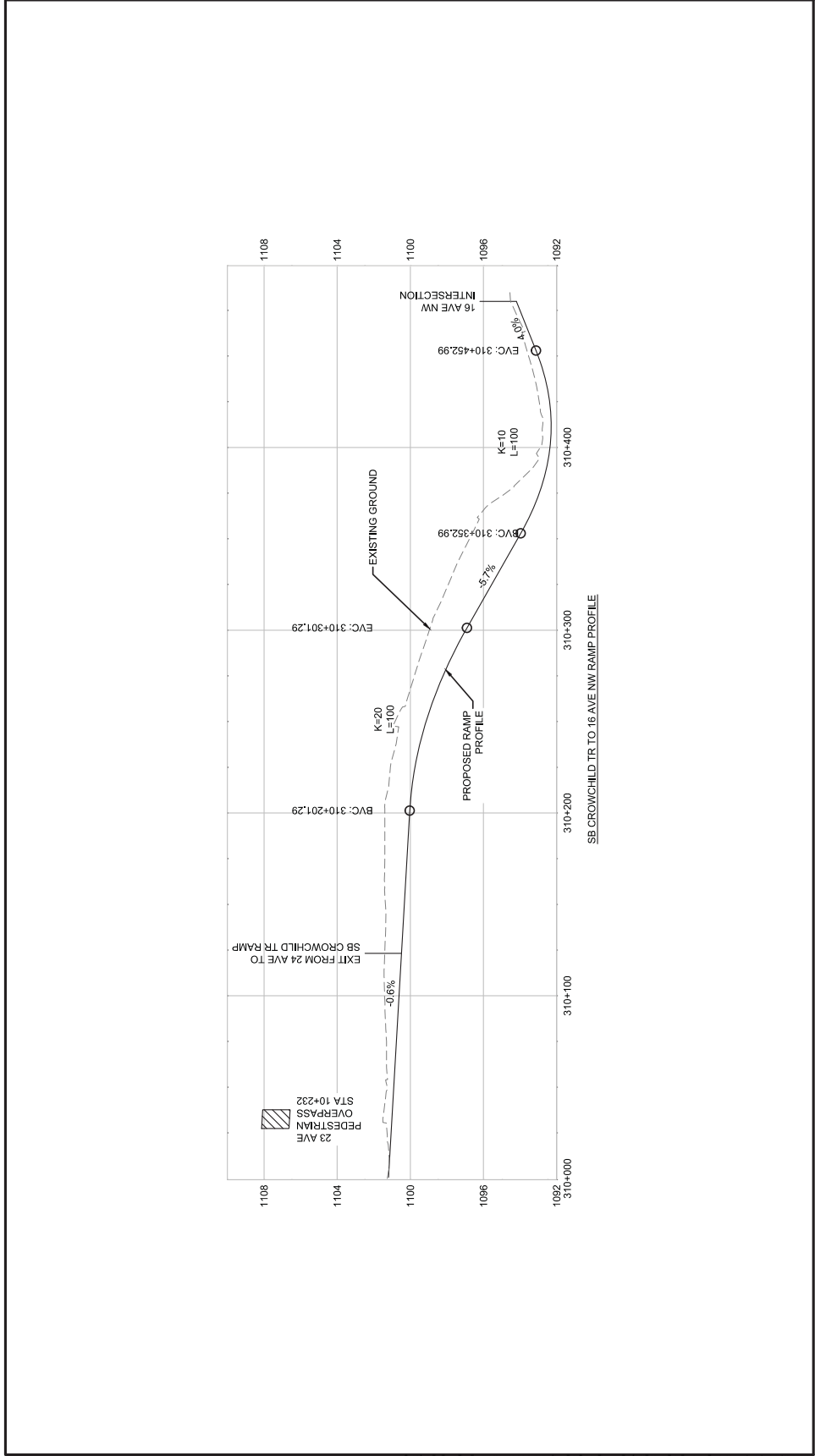


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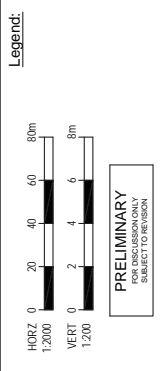


CROWCHILD TRAIL STUDY
 MEDIUM TERM RECOMMENDED PLAN
 RAMP PROFILE
 16 AVE NW AREA
 EXHIBIT 5.24
 2017/03/01

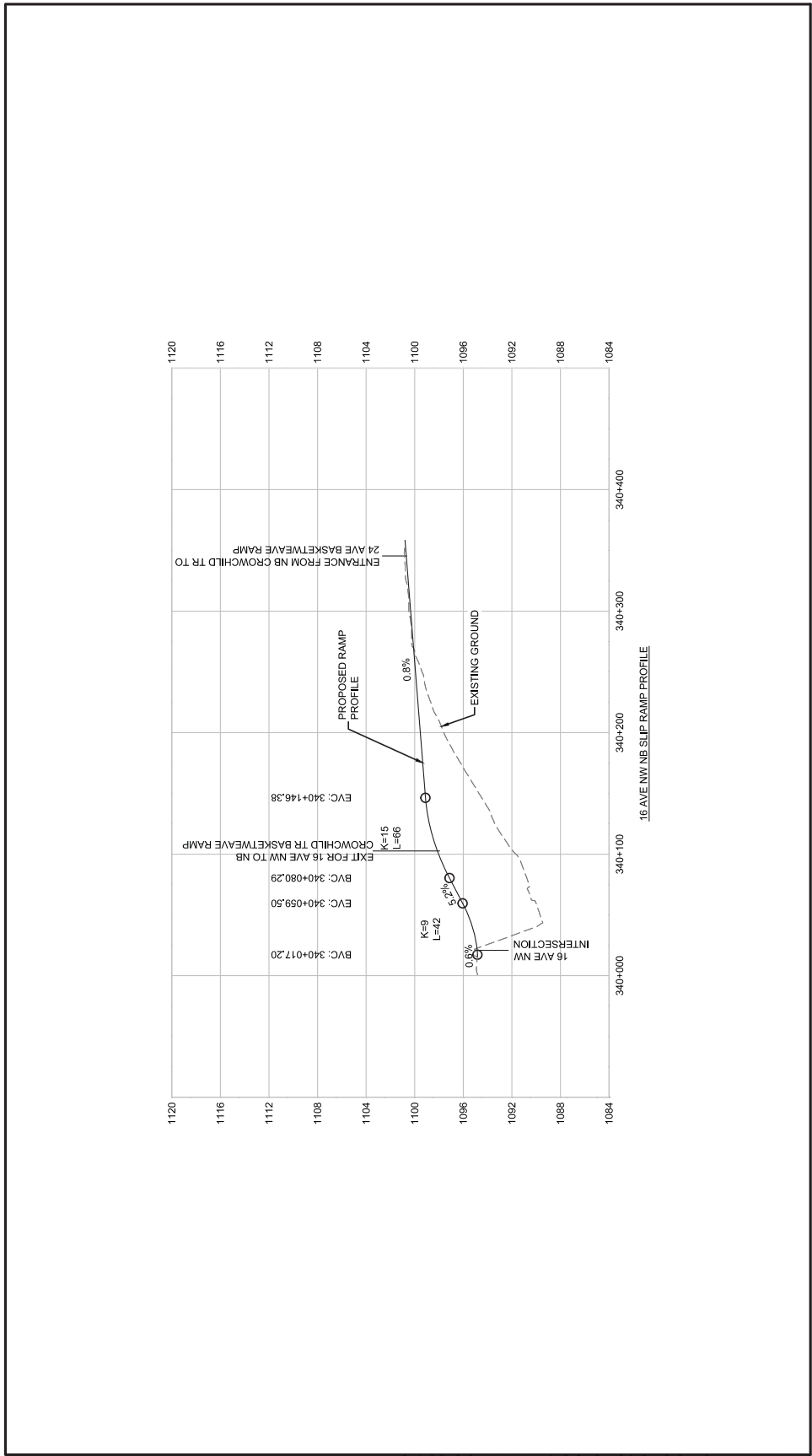
Crowchild Trail Study - Recommended Medium-term Plan



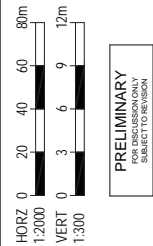
CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP PROFILES
16 AVE NW AREA
EXHIBIT 5.25
 2017/03/01



Crowchild Trail Study - Recommended Medium-term Plan



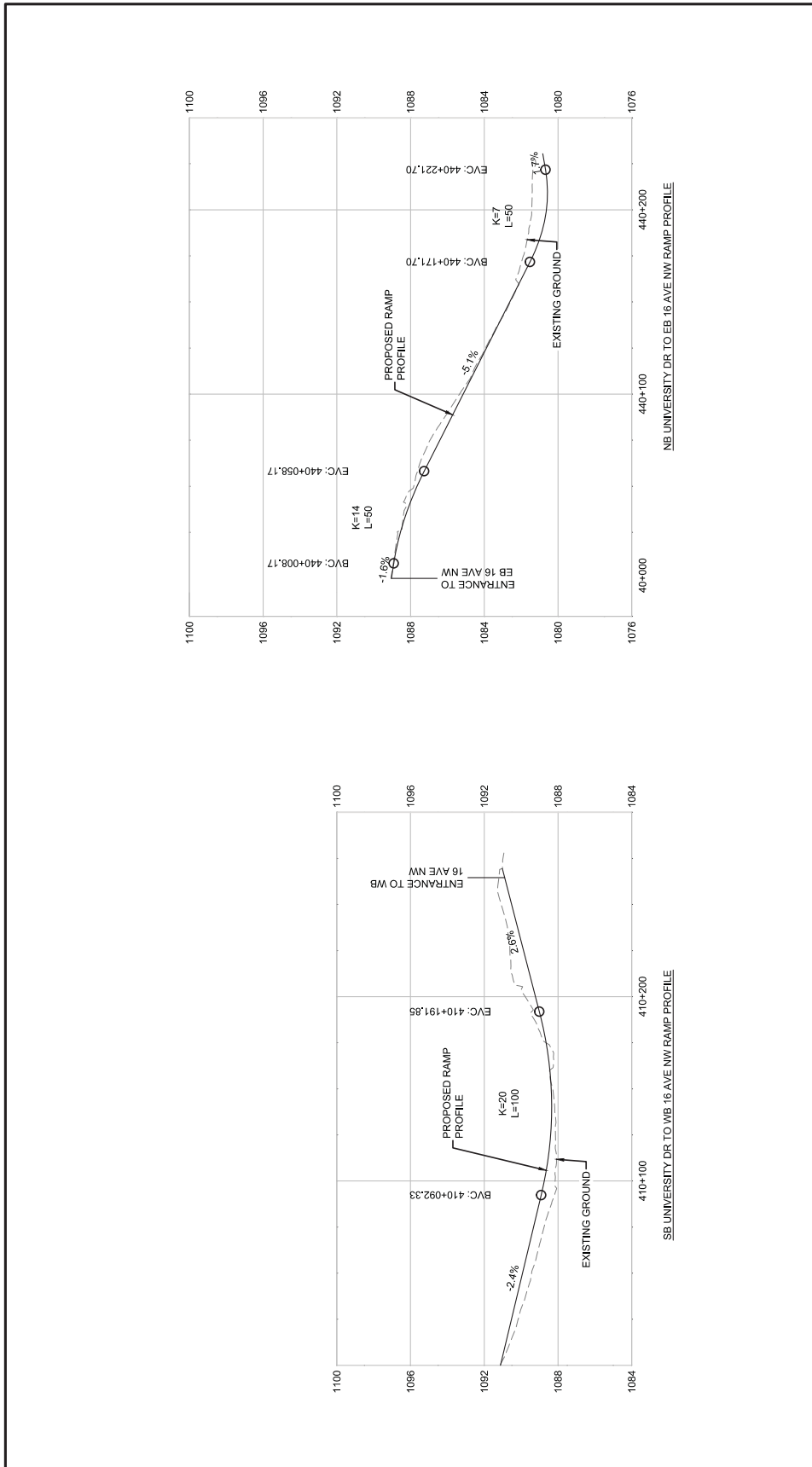
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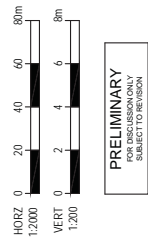
CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP PROFILES
16 AVE NW AREA
EXHIBIT 5.26
 2017/03/01



Crowchild Trail Study - Recommended Medium-term Plan



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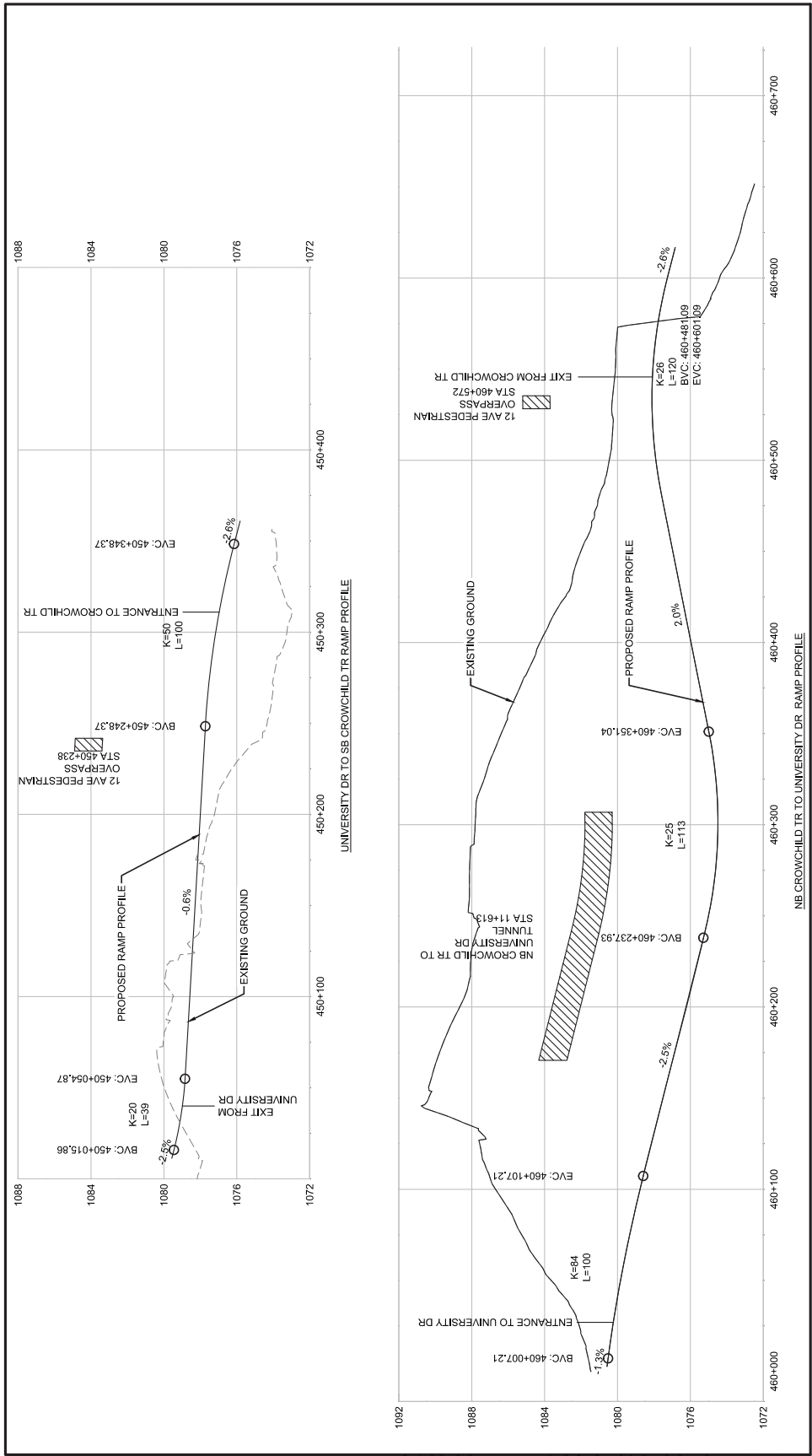


PRELIMINARY
FOR DISCUSSION ONLY
SUBJECT TO DESIGN

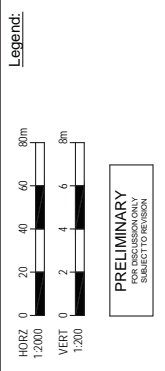


CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP PROFILES
UNIVERSITY DR AREA
EXHIBIT 5.27
 2017/03/01

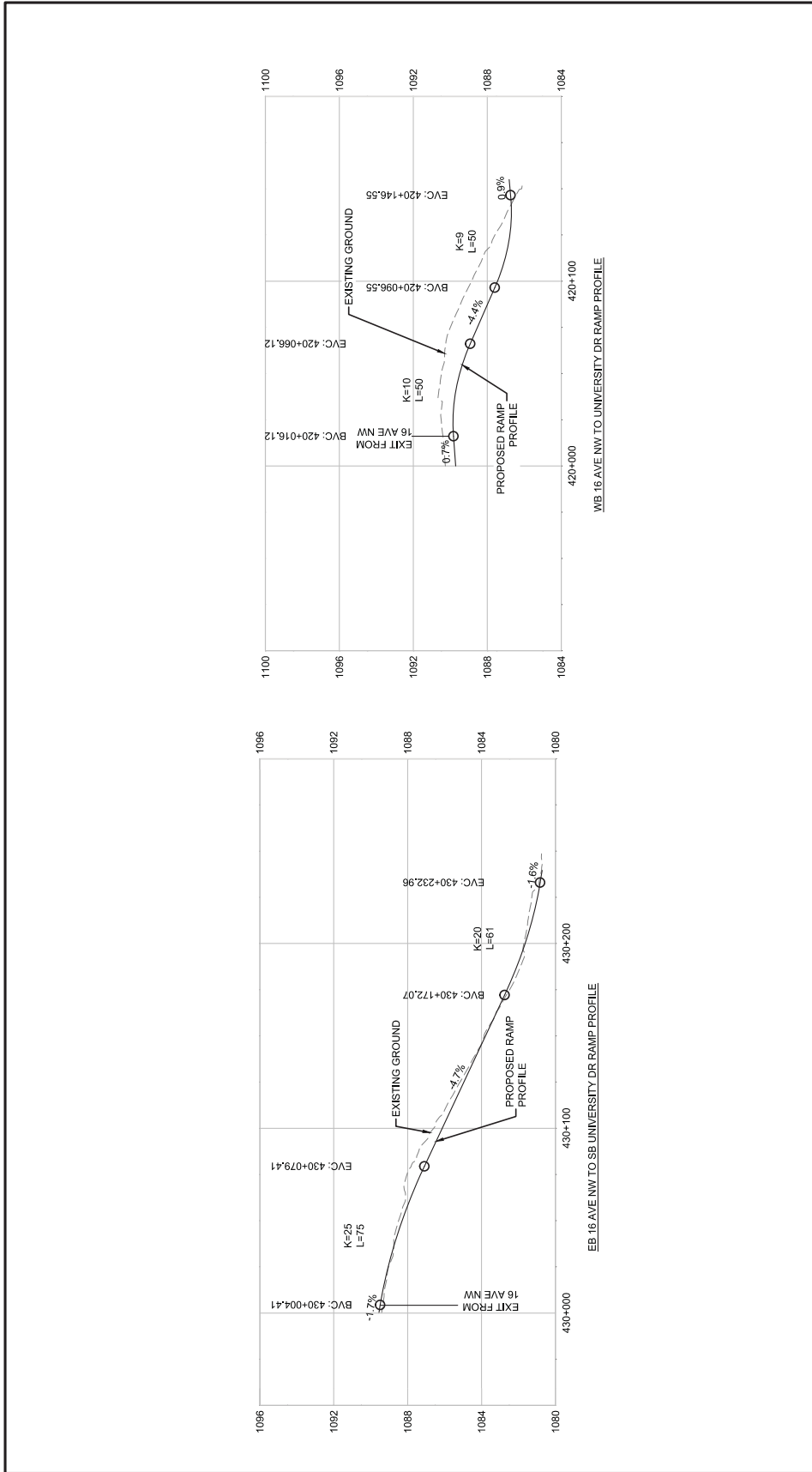
Crowchild Trail Study - Recommended Medium-term Plan



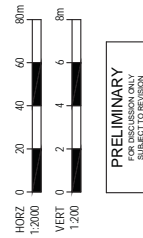
CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP PROFILES
UNIVERSITY DR AREA
EXHIBIT 5.28
 2017/03/01



Crowchild Trail Study - Recommended Medium-term Plan



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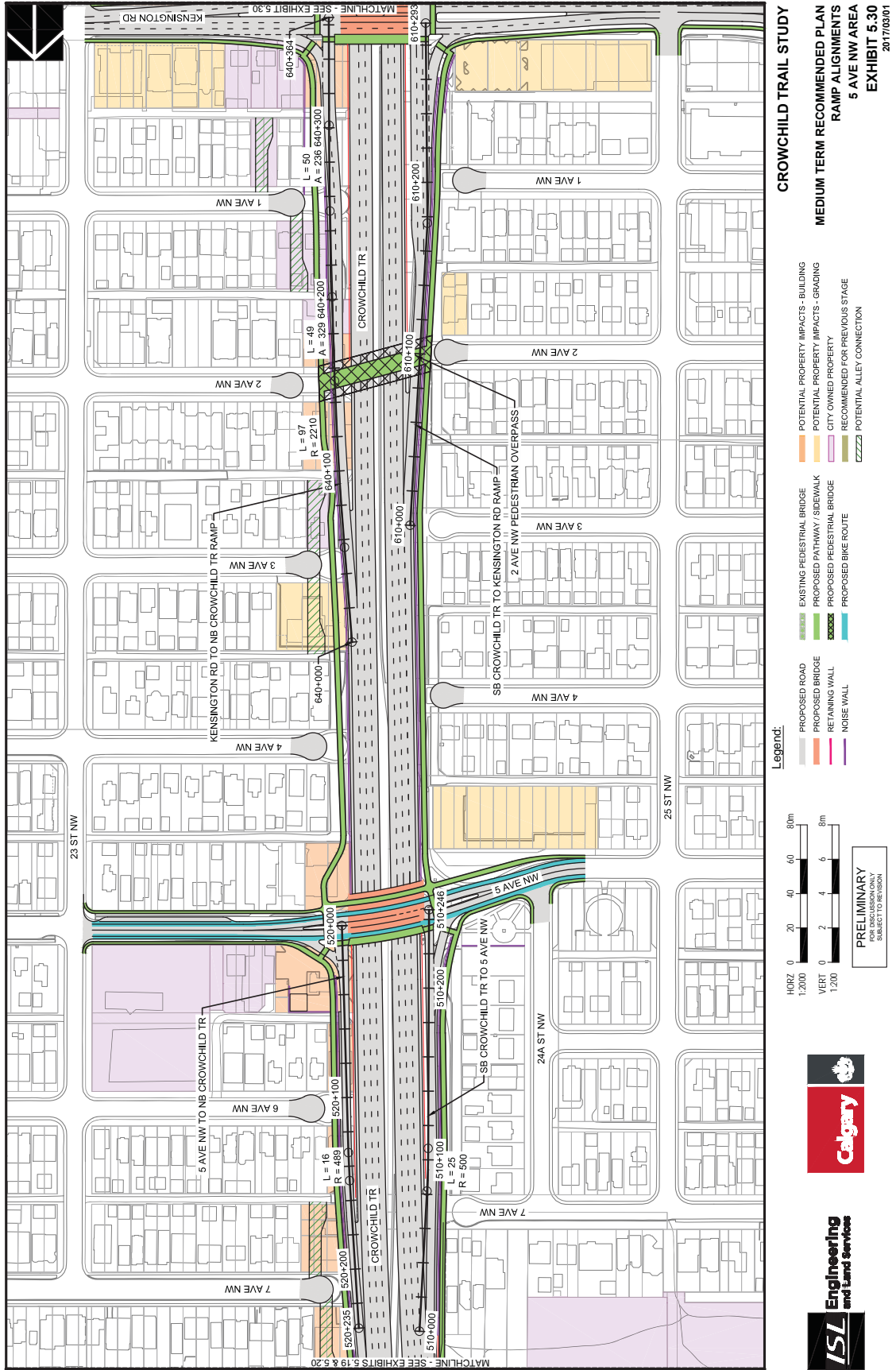


PRELIMINARY
 SUBJECT TO DESIGN

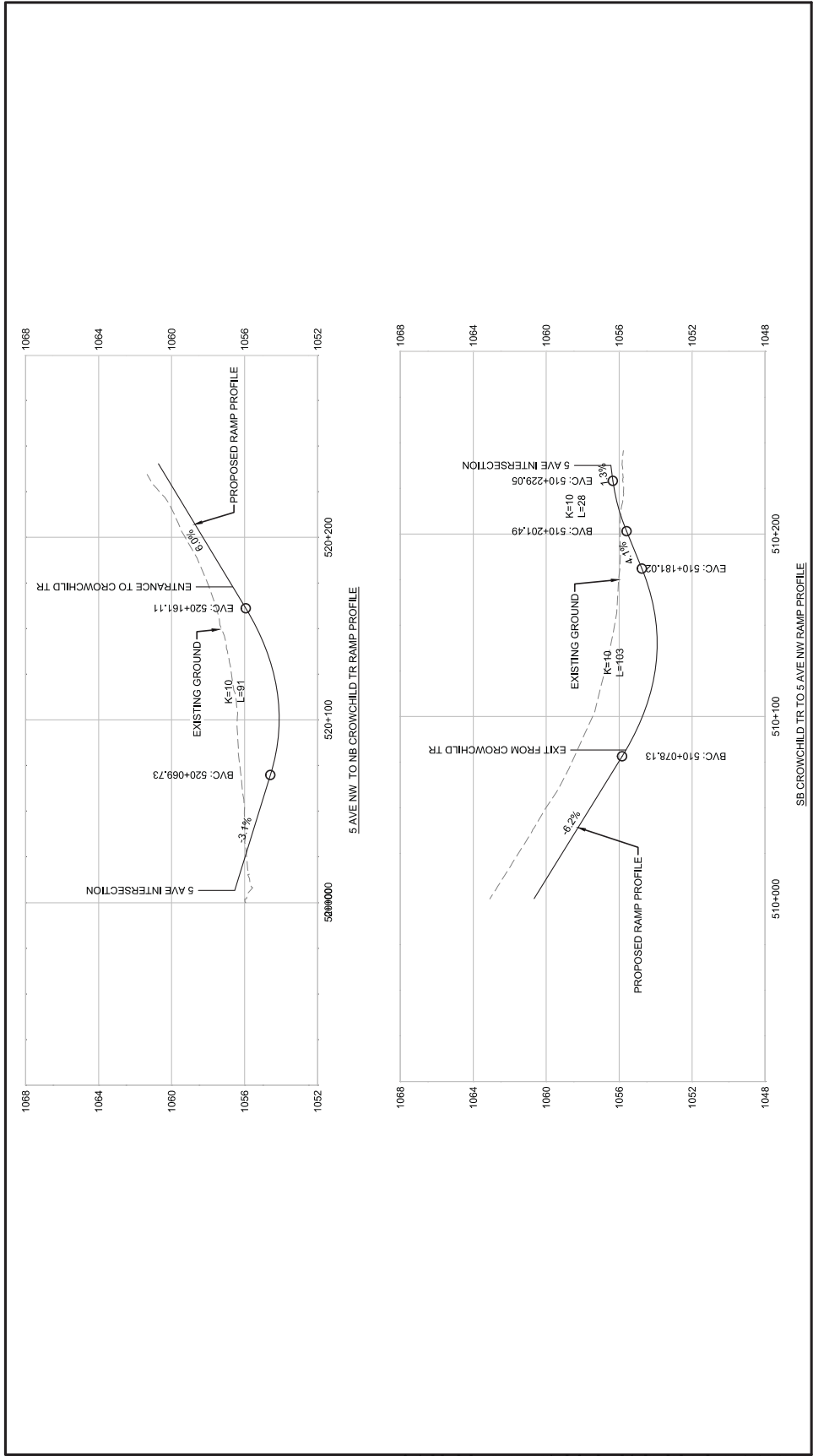
THE CITY OF CALGARY
 MEDIUM TERM RECOMMENDED PLAN
 RAMP PROFILES
 UNIVERSITY DR AREA
 EXHIBIT 5.29
 2017/01/19



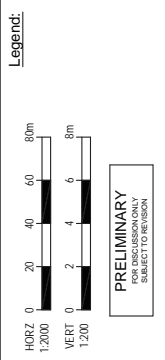
Crowchild Trail Study - Recommended Medium-term Plan



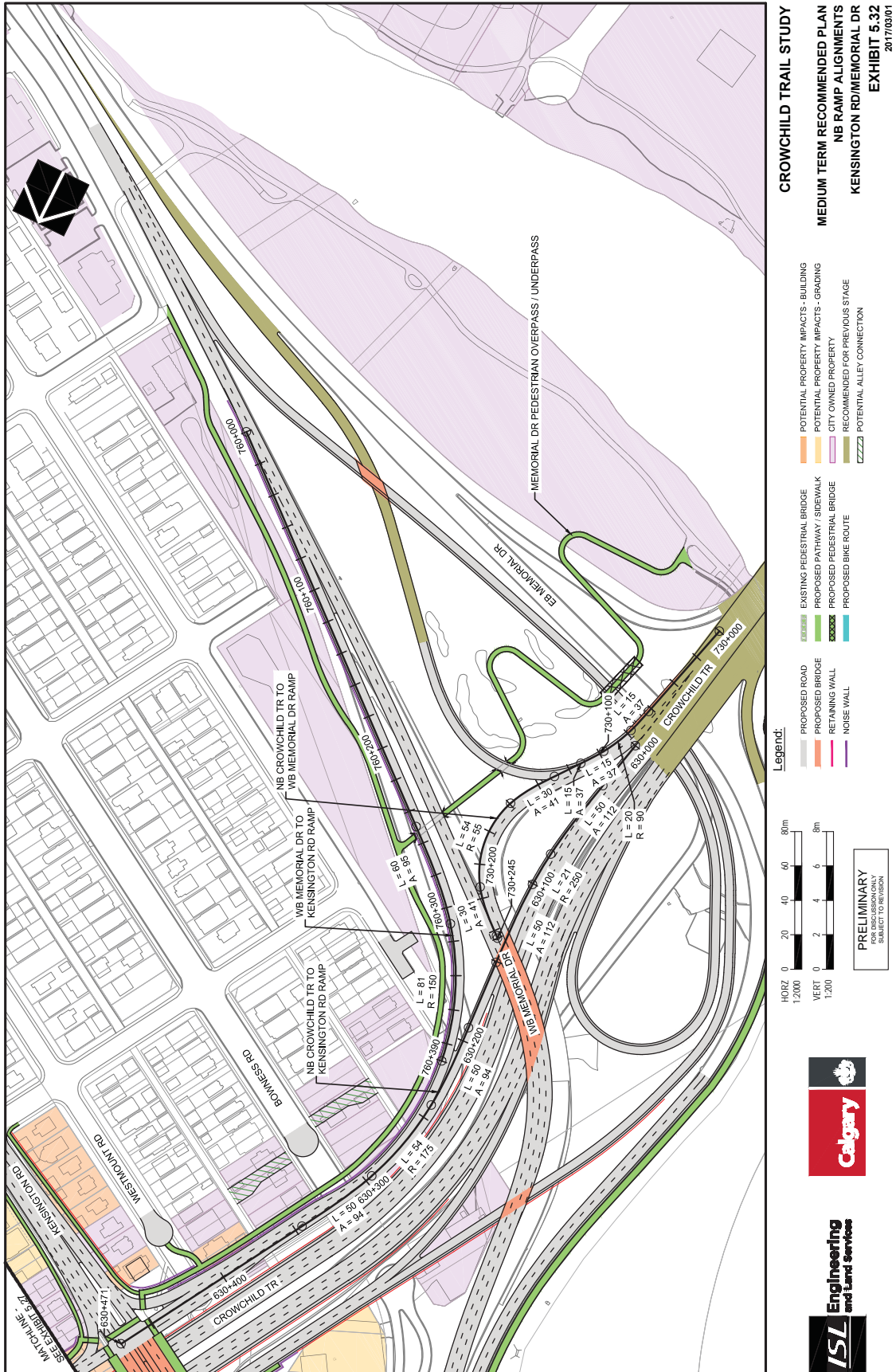
Crowchild Trail Study - Recommended Medium-term Plan



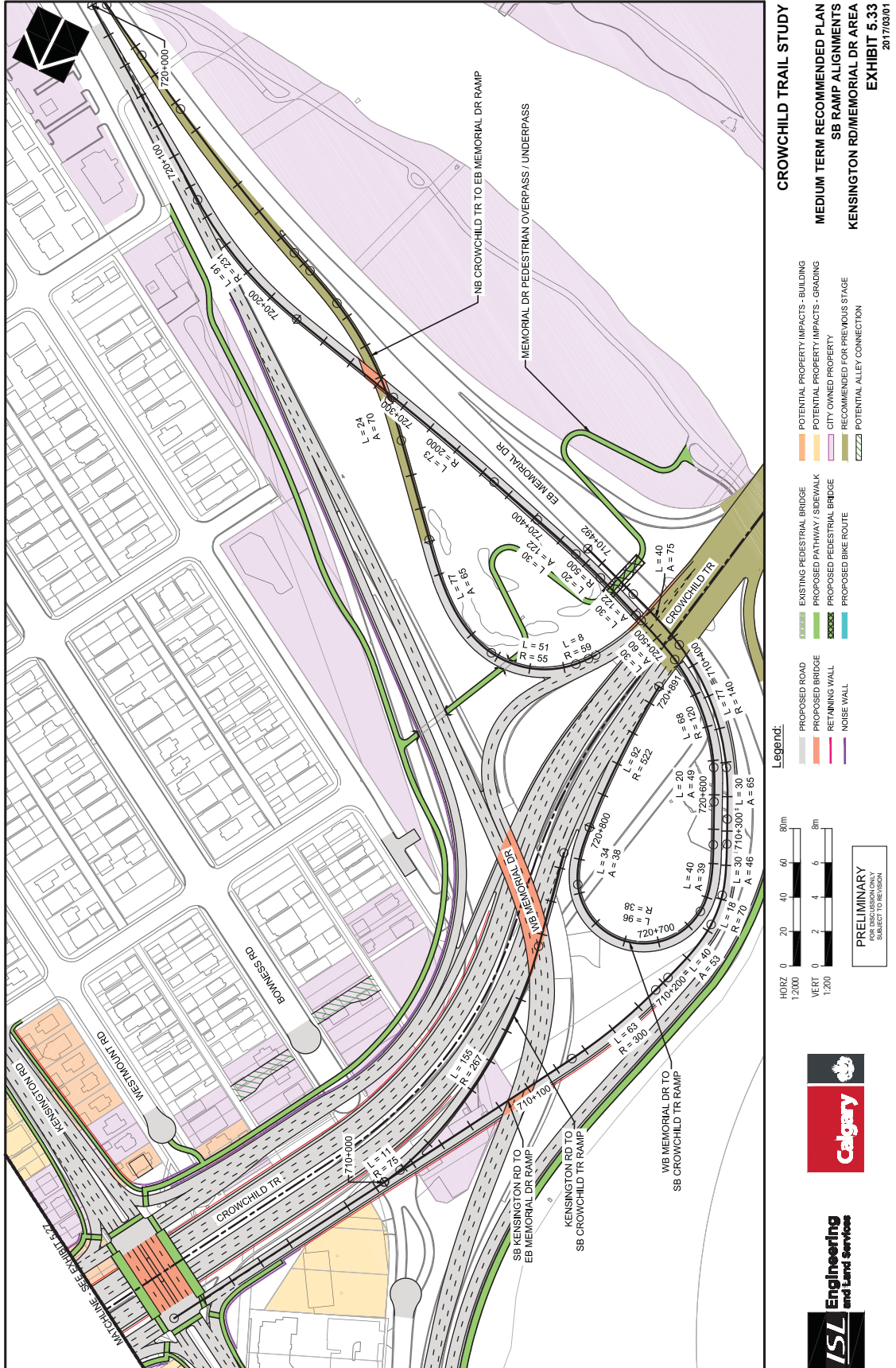
CROWCHILD TRAIL STUDY
 MEDIUM TERM RECOMMENDED PLAN
 RAMP PROFILES
 5 AVE NW AREA
 EXHIBIT 5.31
 2017/03/01



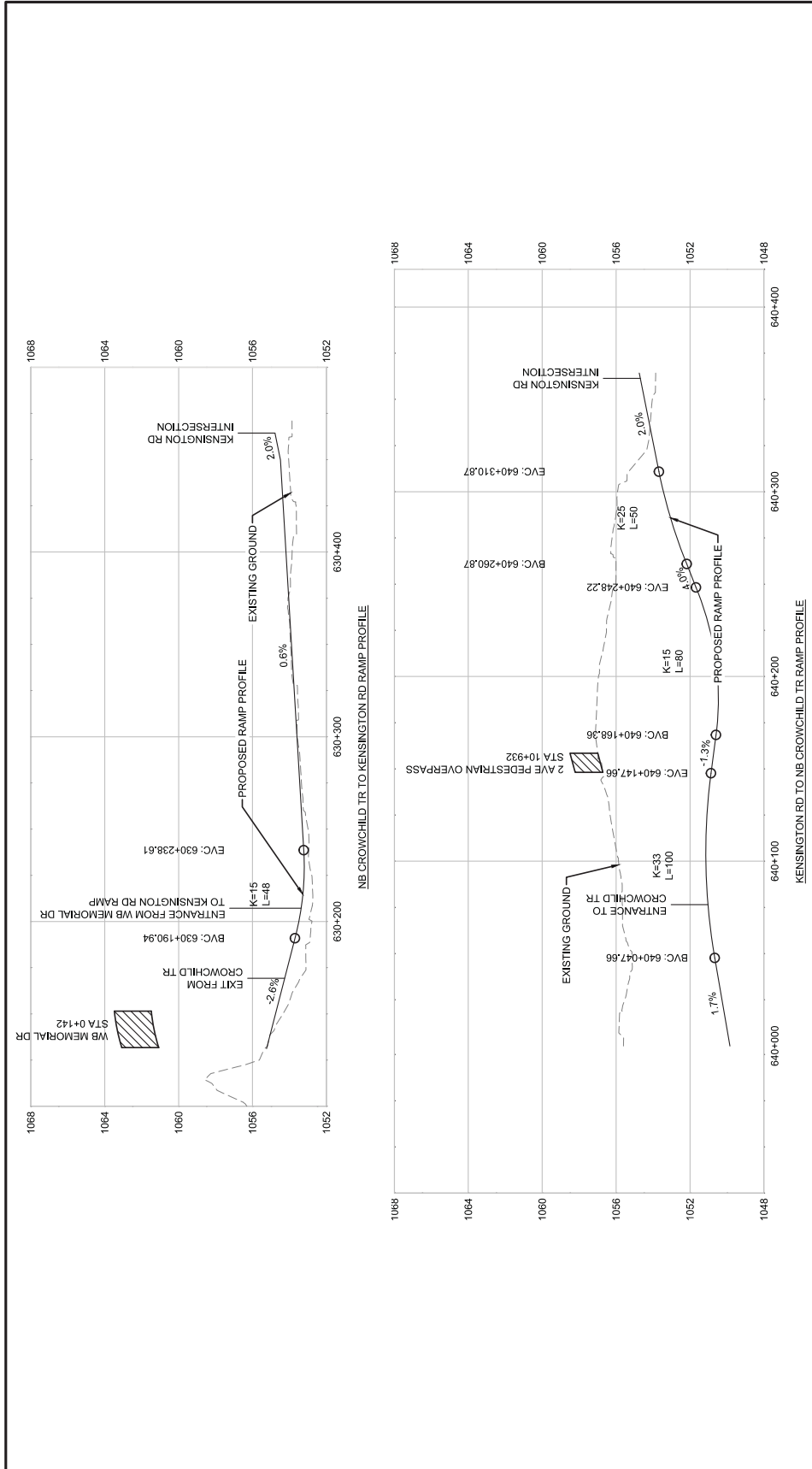
Crowchild Trail Study - Recommended Medium-term Plan



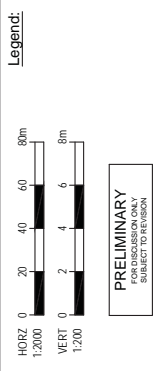
Crowchild Trail Study - Recommended Medium-term Plan



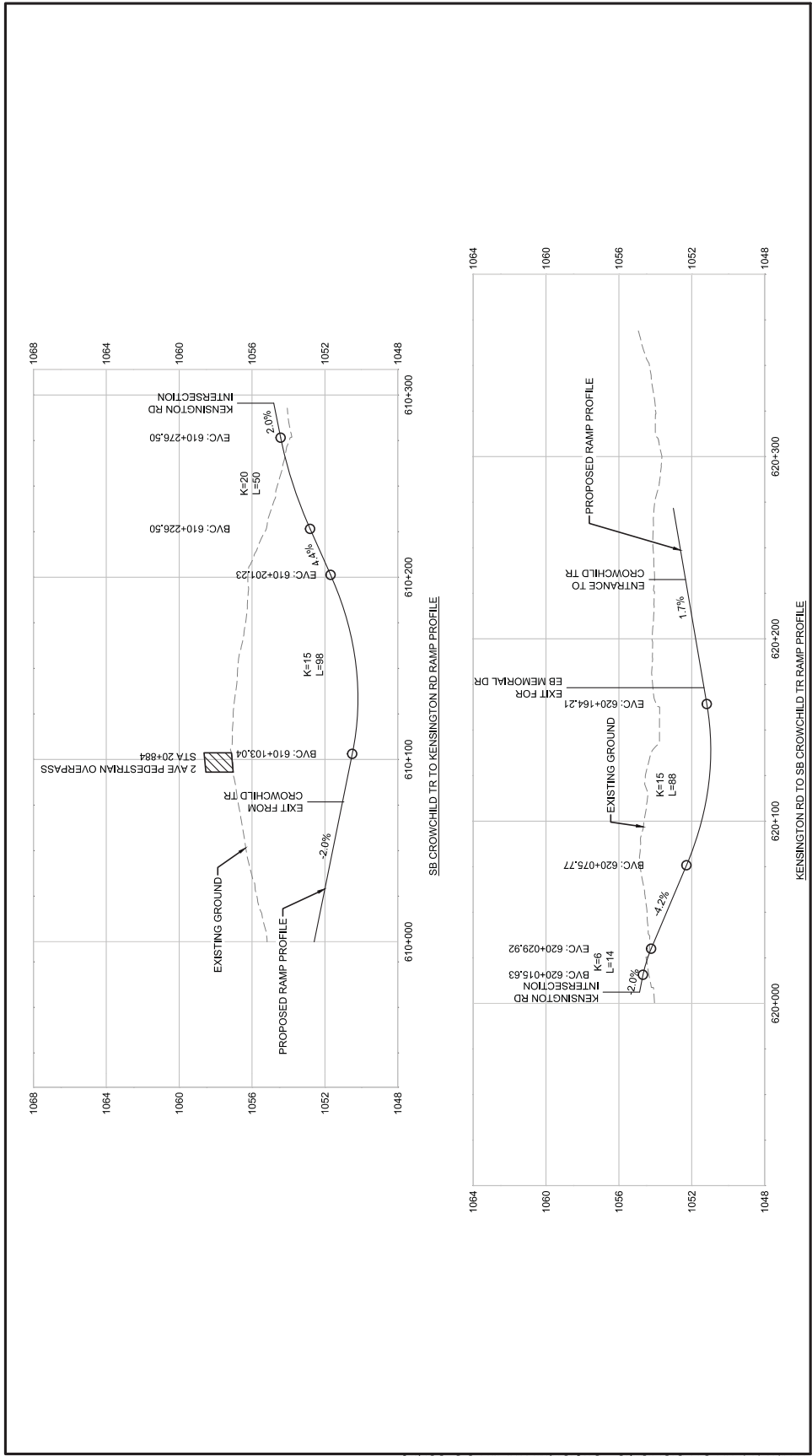
Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP PROFILES
KENSINGTON RD AREA
EXHIBIT 5.34
 2017/03/01



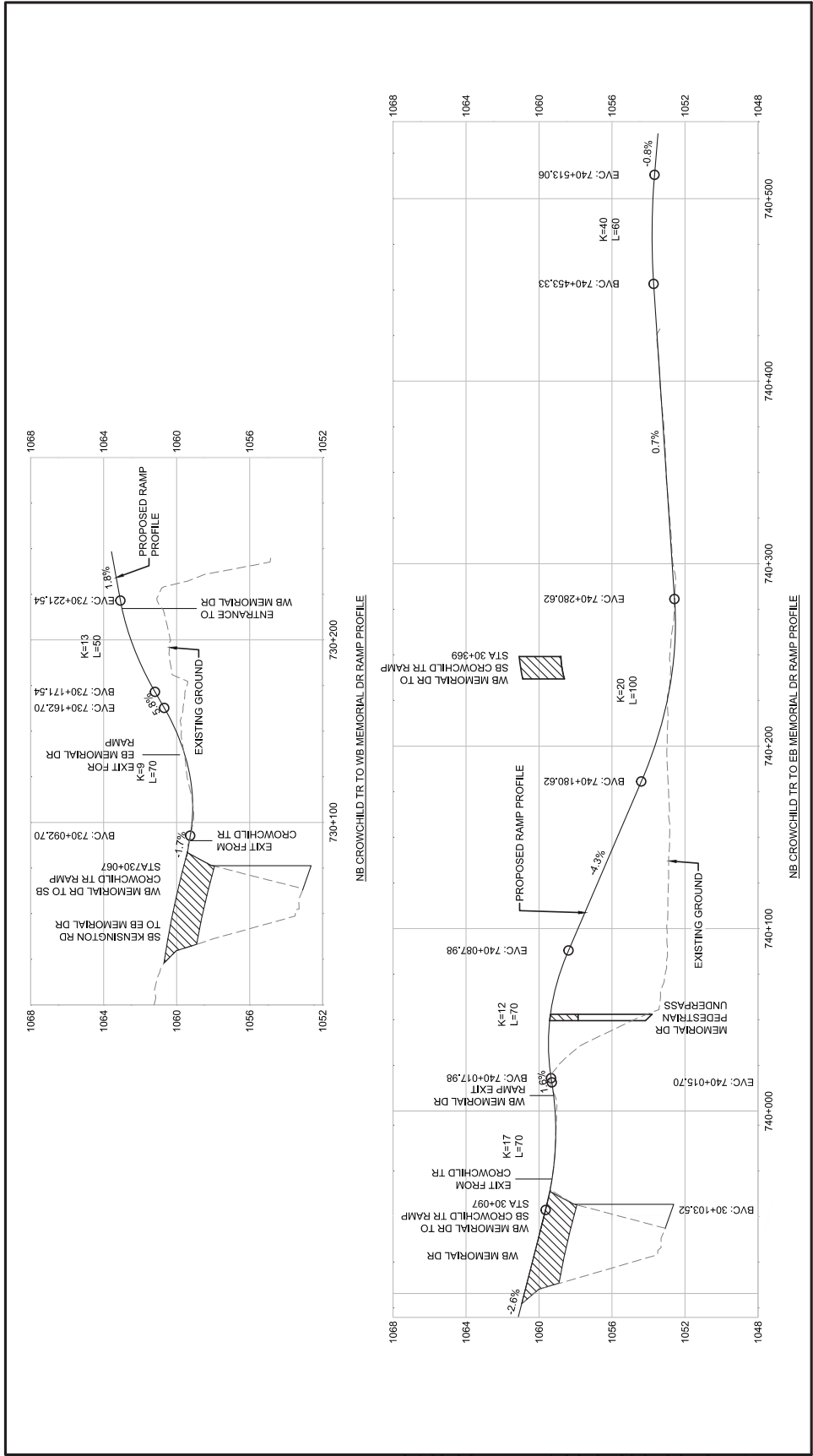
Crowchild Trail Study - Recommended Medium-term Plan



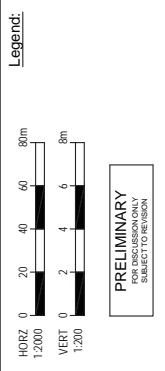
CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP PROFILES
KENSINGTON RD AREA
EXHIBIT 5.35
 2017/03/01



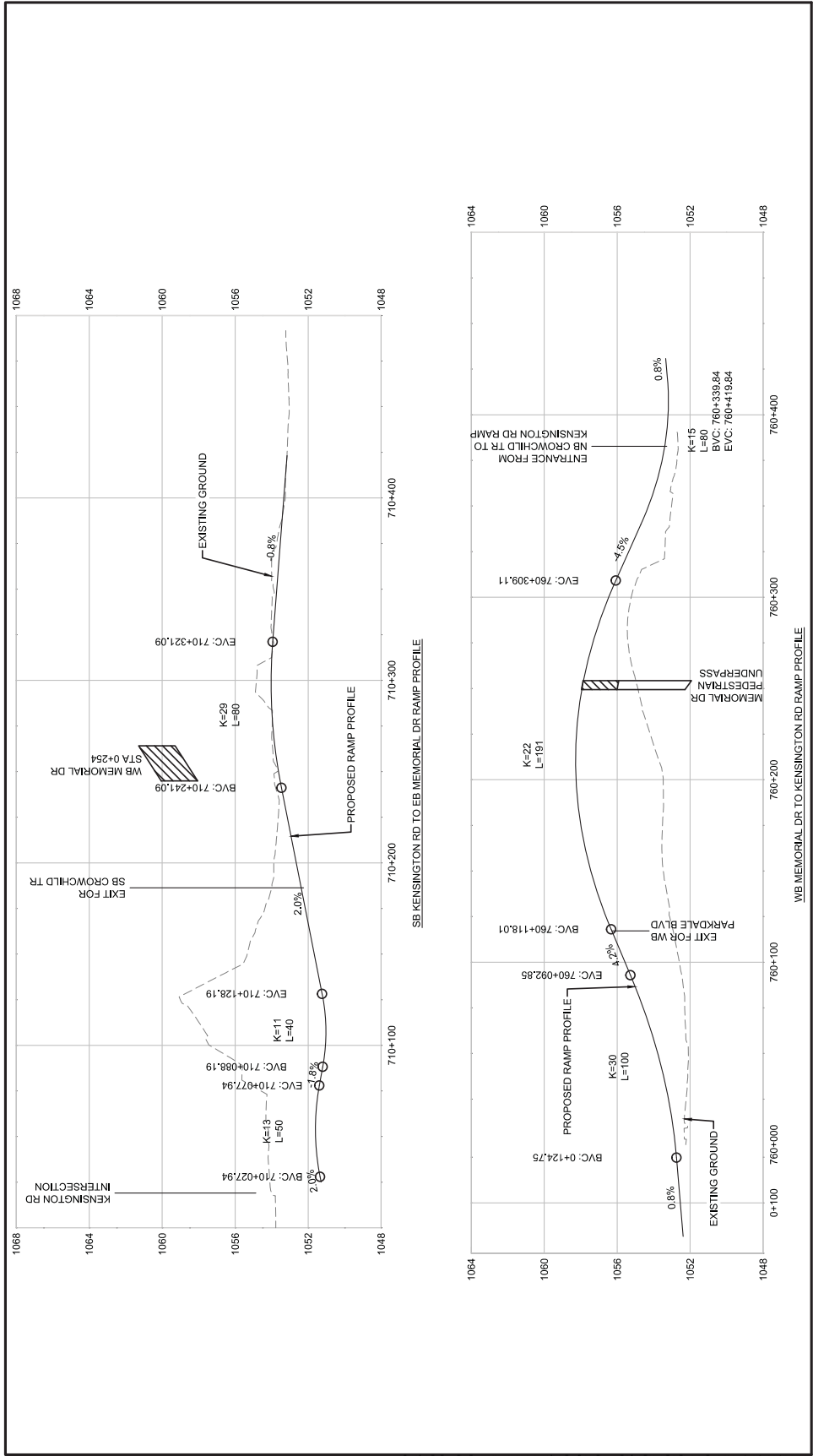
Crowchild Trail Study - Recommended Medium-term Plan



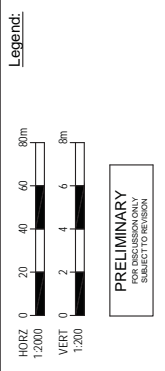
CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP PROFILES
MEMORIAL DR AREA
EXHIBIT 5.36
 2017/03/01



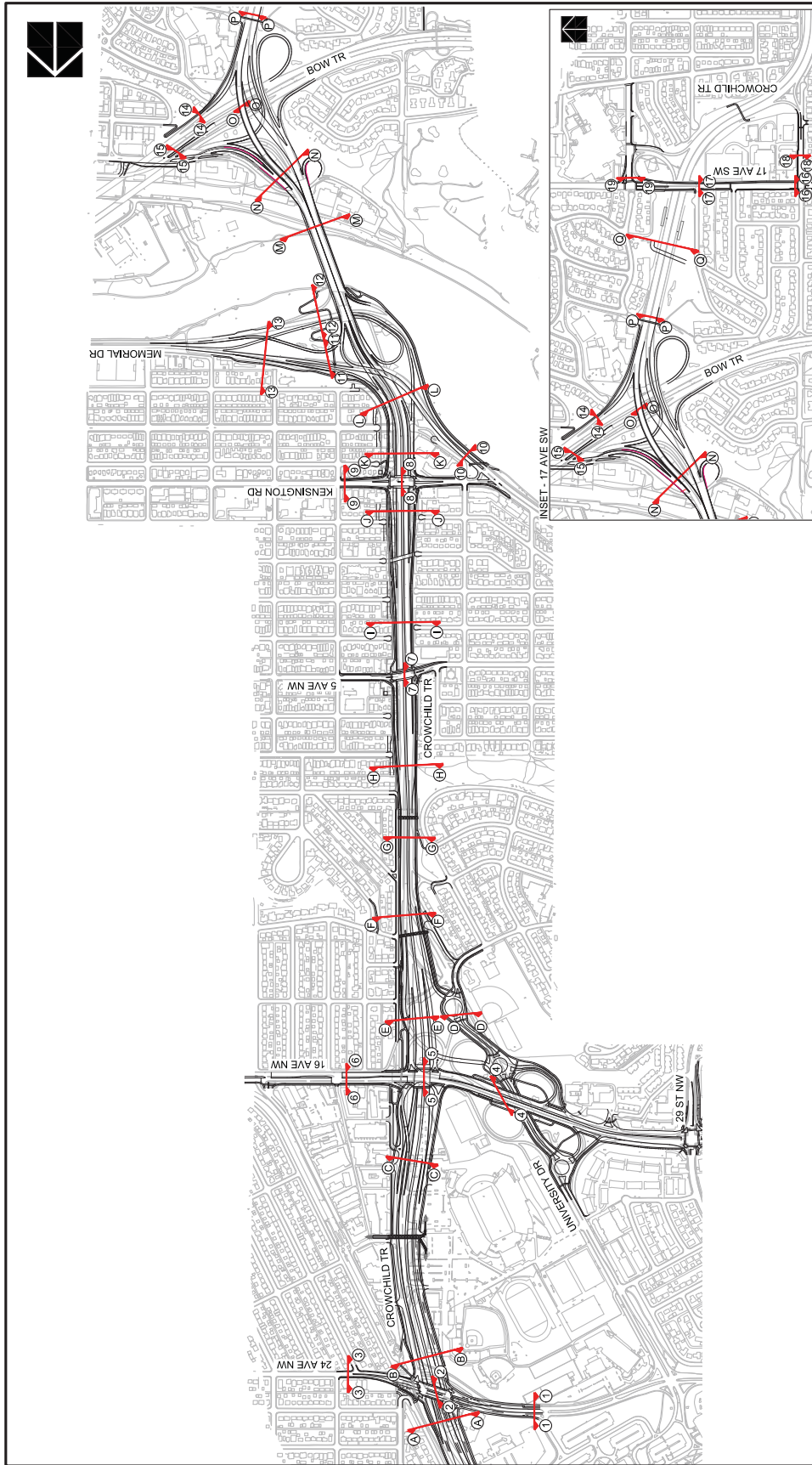
Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
MEDIUM TERM RECOMMENDED PLAN
RAMP PROFILES
MEMORIAL DR AREA AREA
EXHIBIT 5.37
 2017/03/01



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY

CROSS SECTION KEY PLAN

EXHIBIT 5.37
2017/03/01

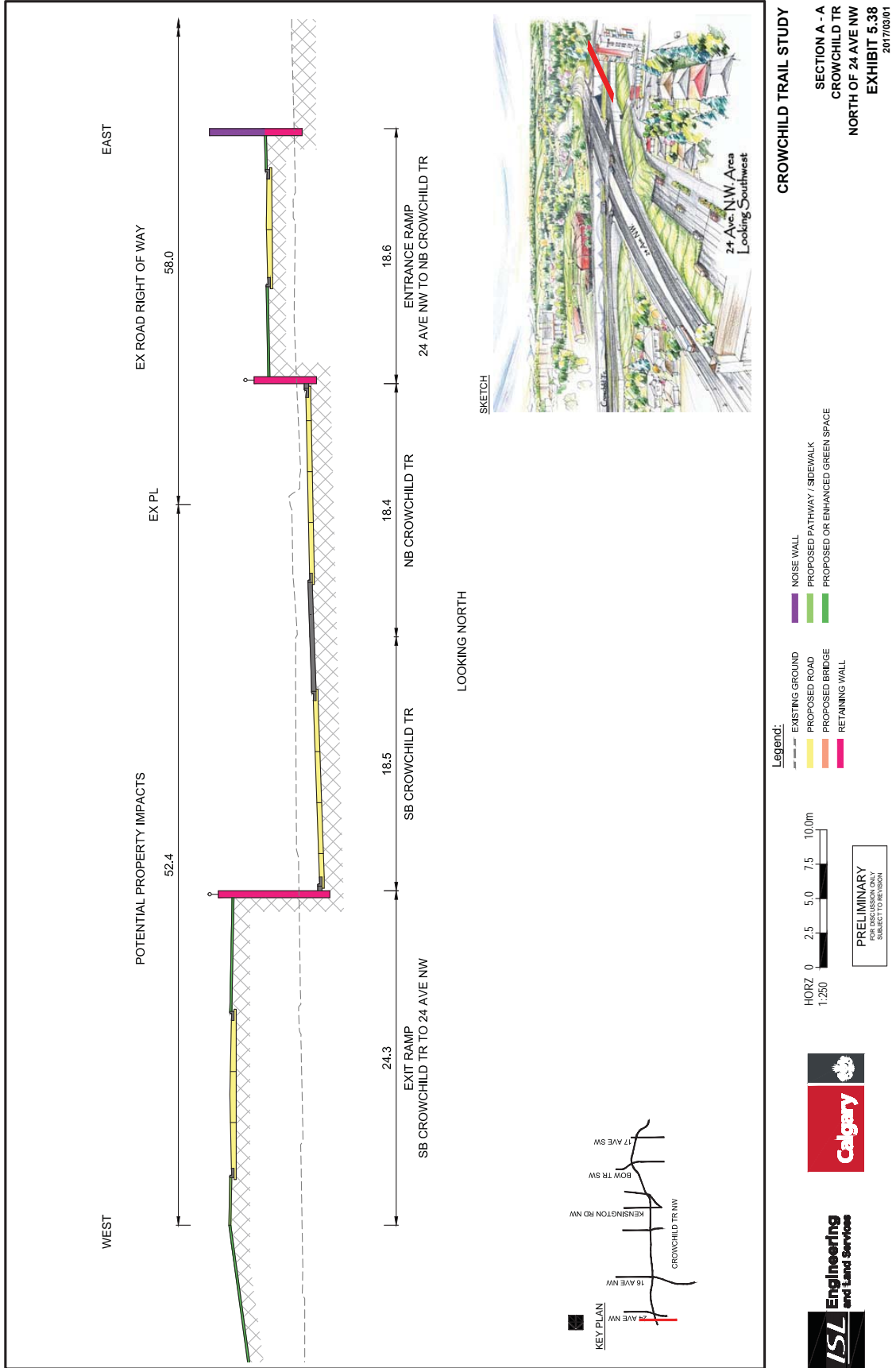
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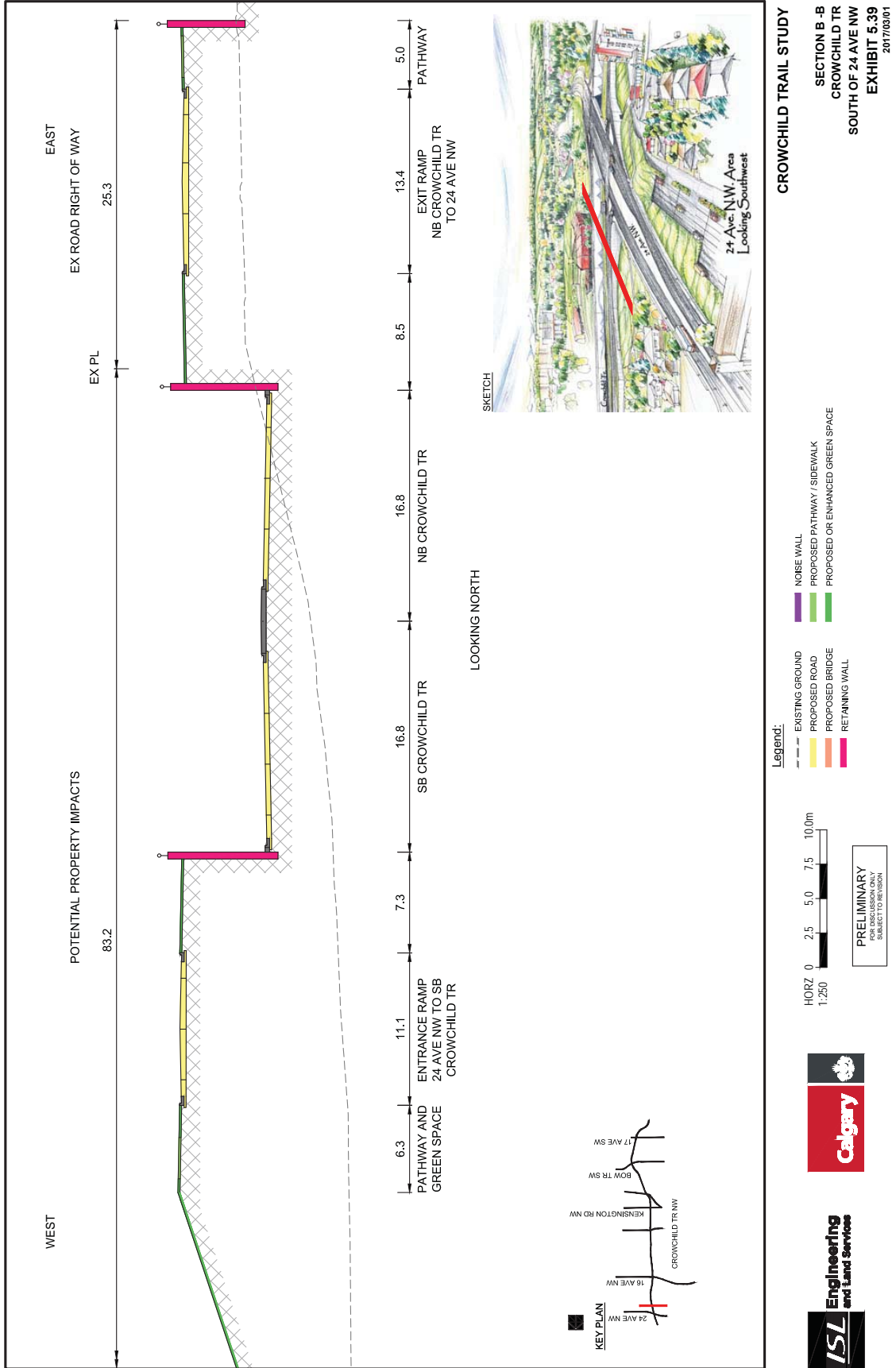
PRELIMINARY
FOR DISCUSSION ONLY
CONTACT US FOR MORE



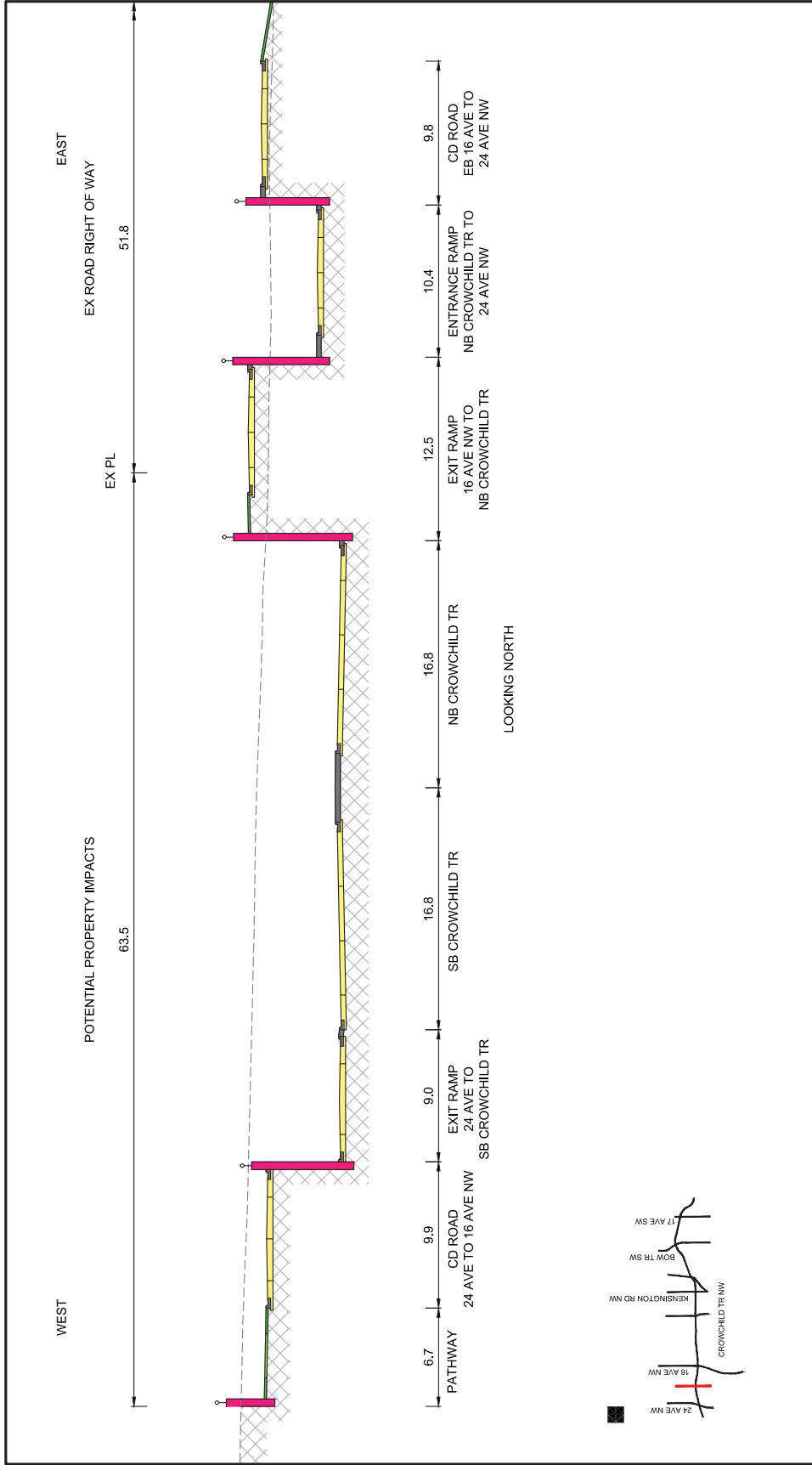
Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan

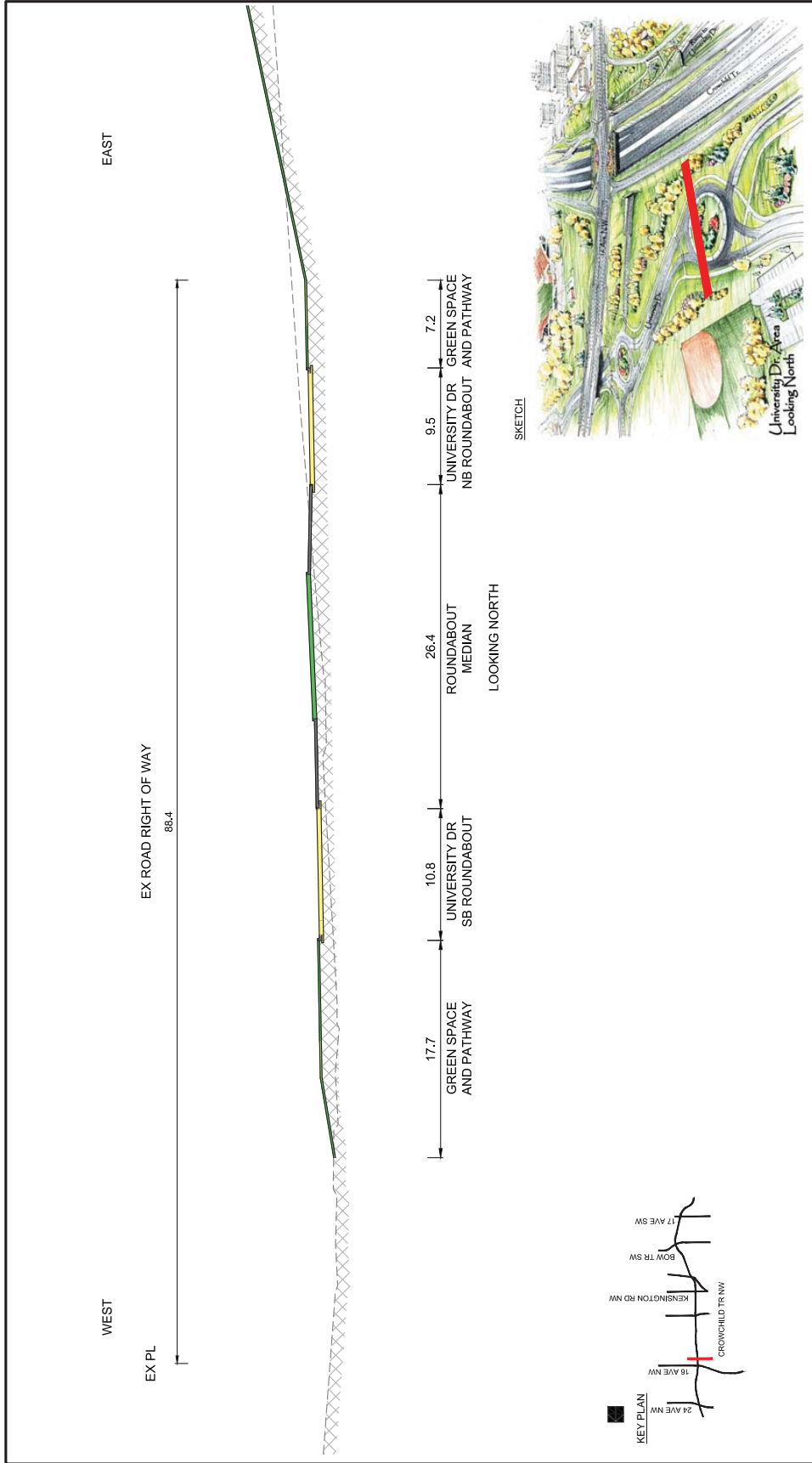


Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
SECTION C - C
CROWCHILD TR AT
20 AVE NW
EXHIBIT 5.40
 2017/03/01

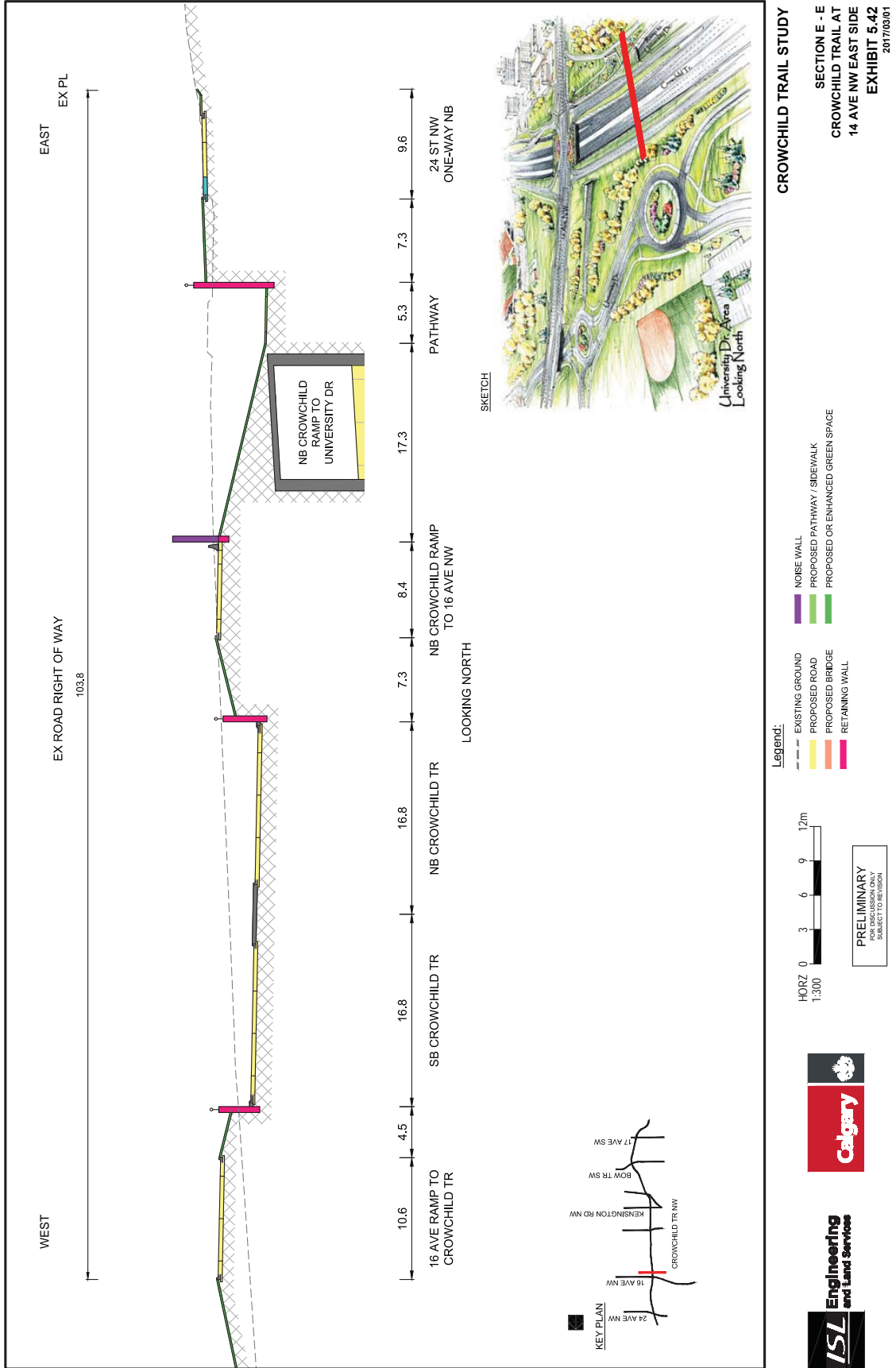
Crowchild Trail Study - Recommended Medium-term Plan



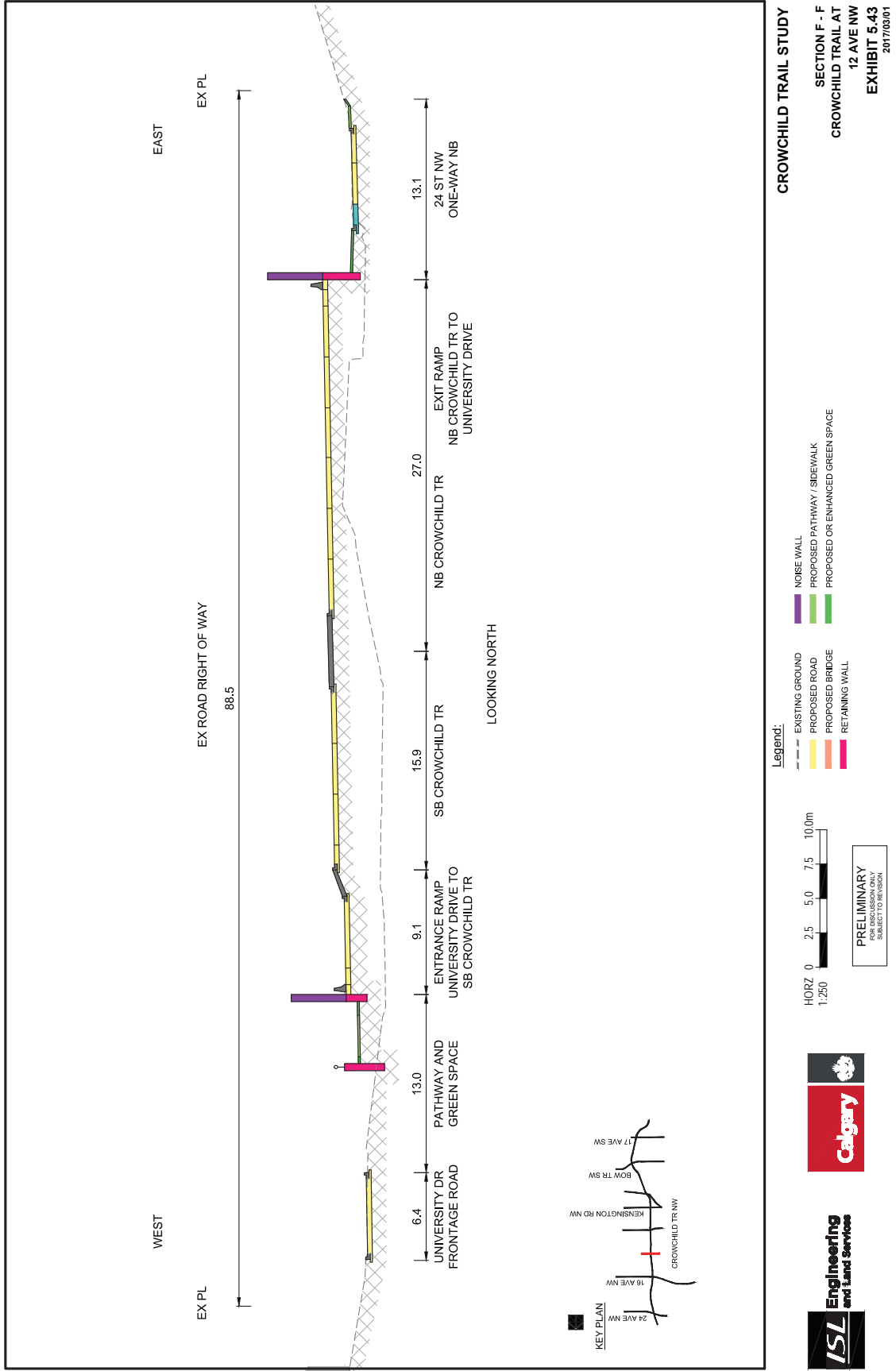
CROWCHILD TRAIL STUDY

SECTION D - D
CROWCHILD TR AT
14 AVE NW WEST SIDE
EXHIBIT 5.41
2017/03/01

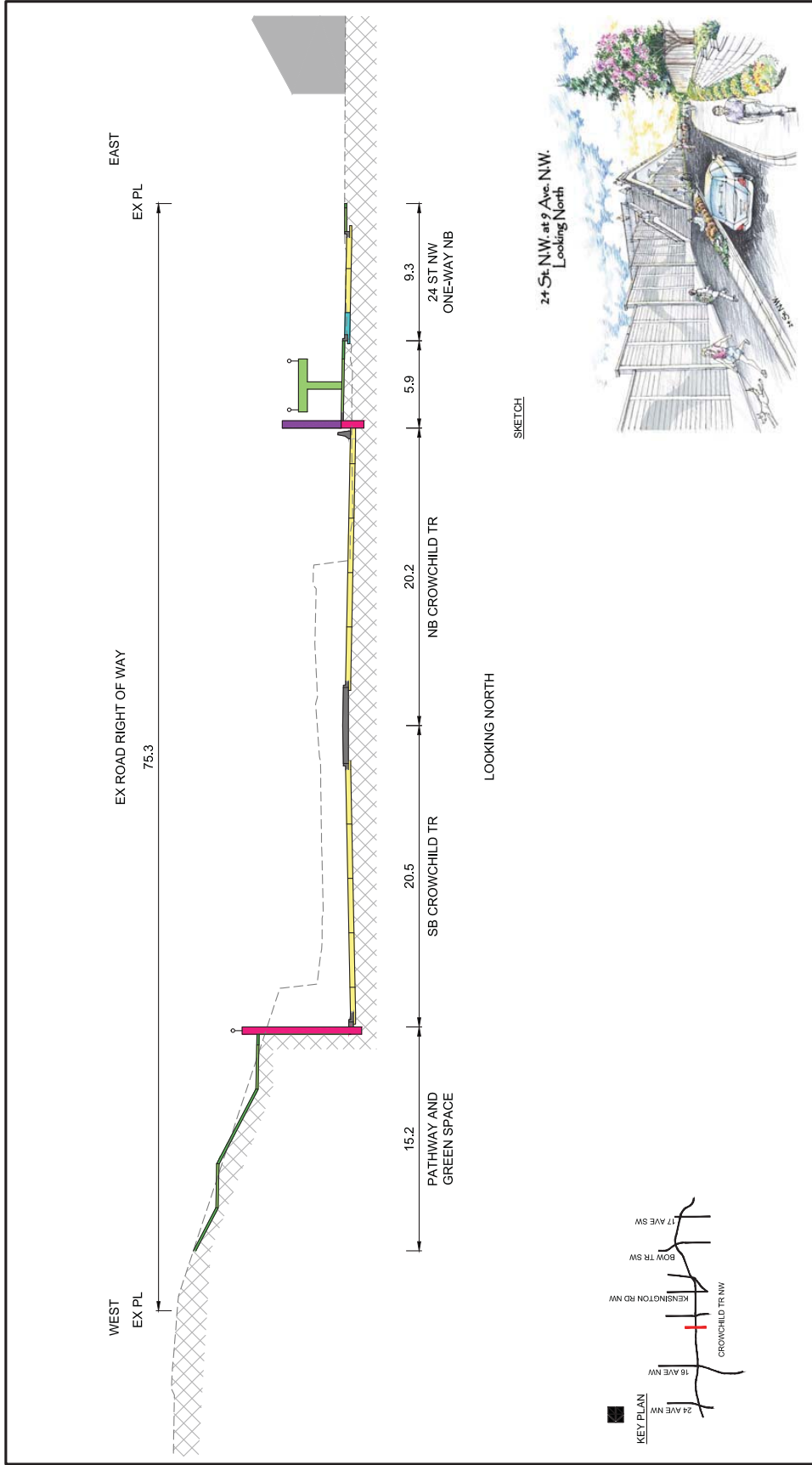
Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan

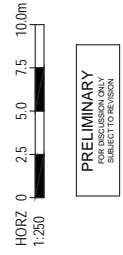


Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
SECTION G - G
CROWCHILD TR BETWEEN
9 AVE NW AND SUMAC RD
EXHIBIT 5.44
 2017/03/01

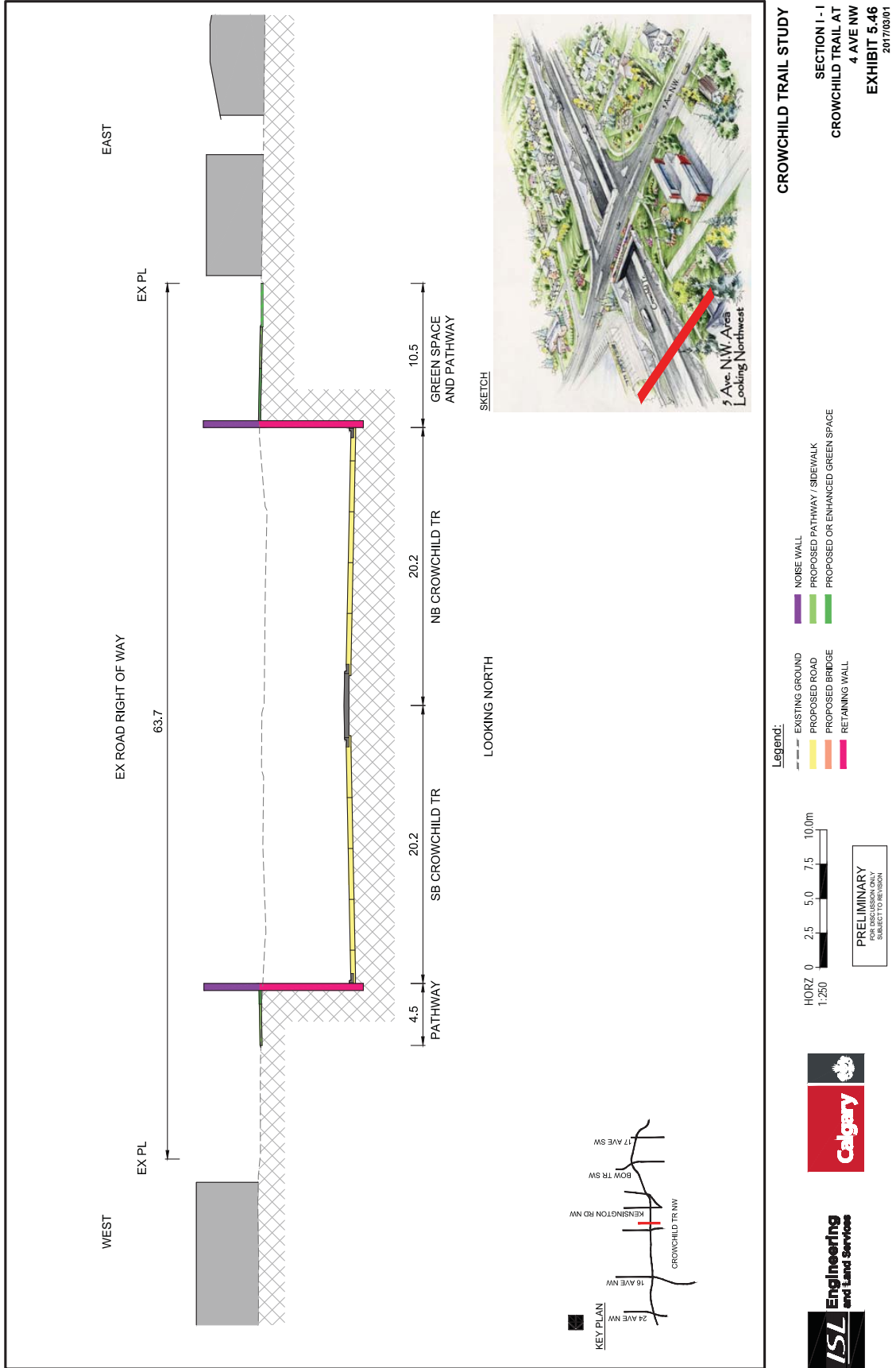
- Legend:**
- EXISTING GROUND
 - PROPOSED ROAD
 - PROPOSED BRIDGE
 - RETAINING WALL
 - NOISE WALL
 - PROPOSED PATHWAY / SIDEWALK
 - PROPOSED OR ENHANCED GREEN SPACE



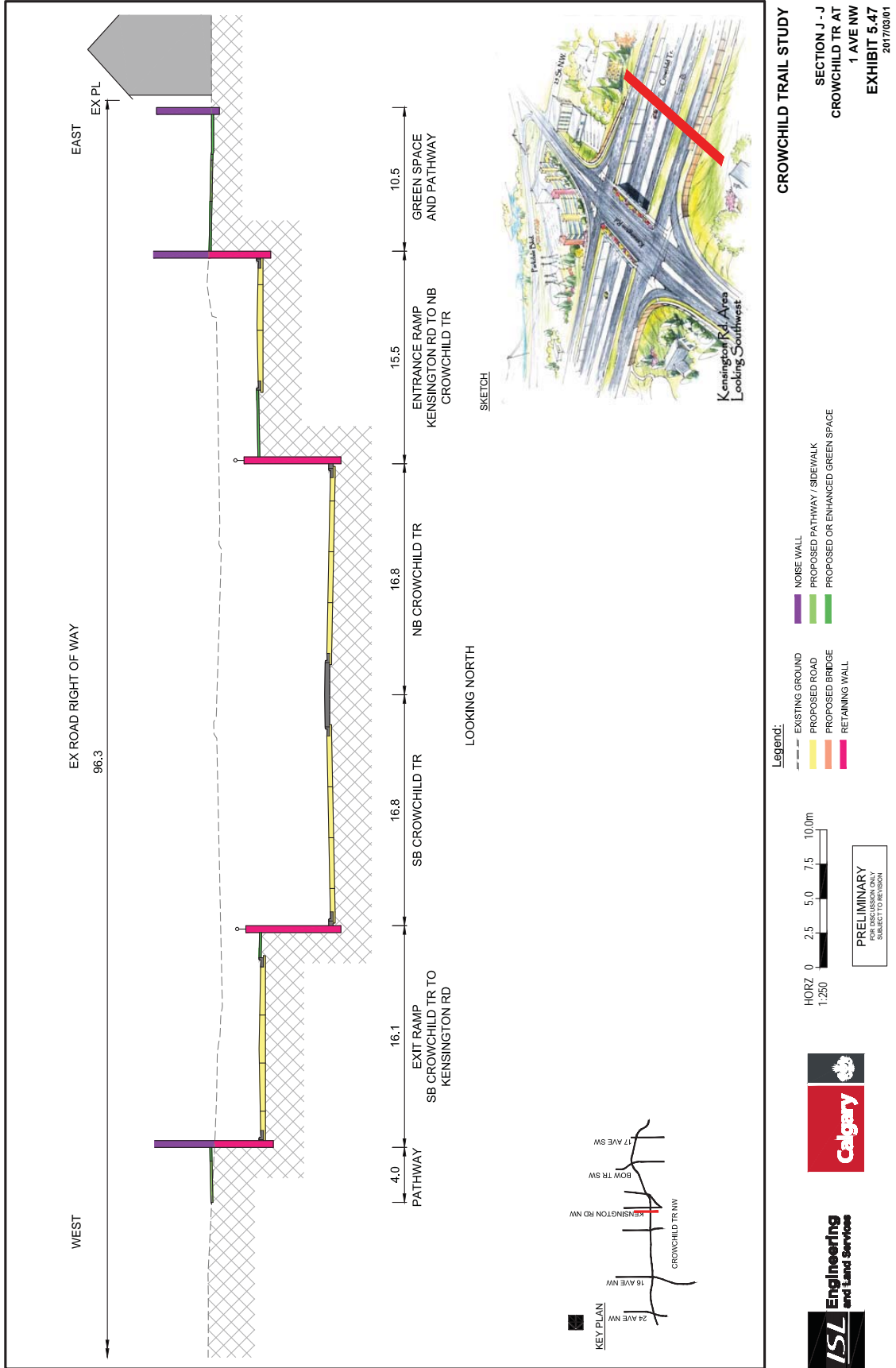
Crowchild Trail Study - Recommended Medium-term Plan



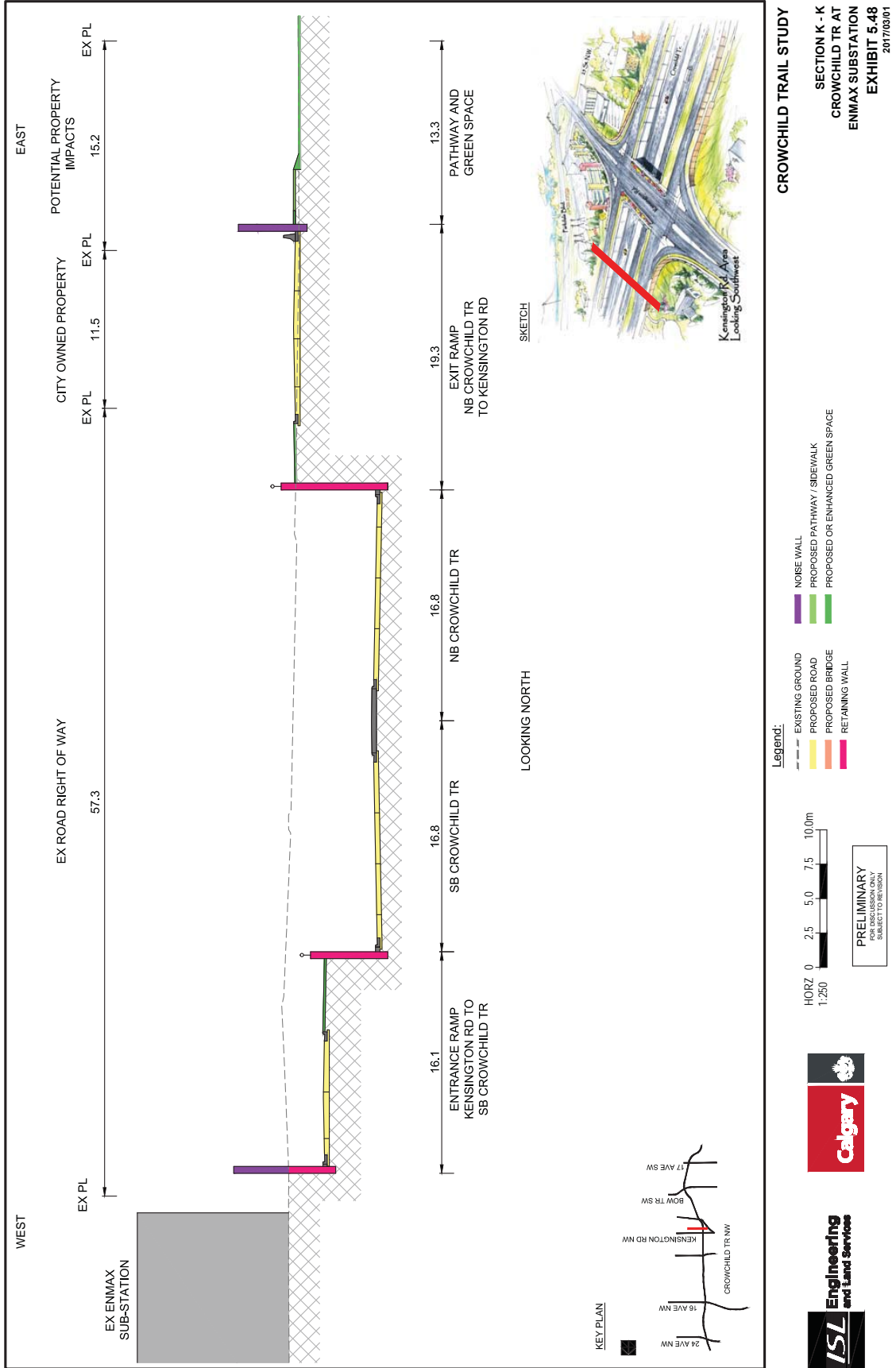
Crowchild Trail Study - Recommended Medium-term Plan



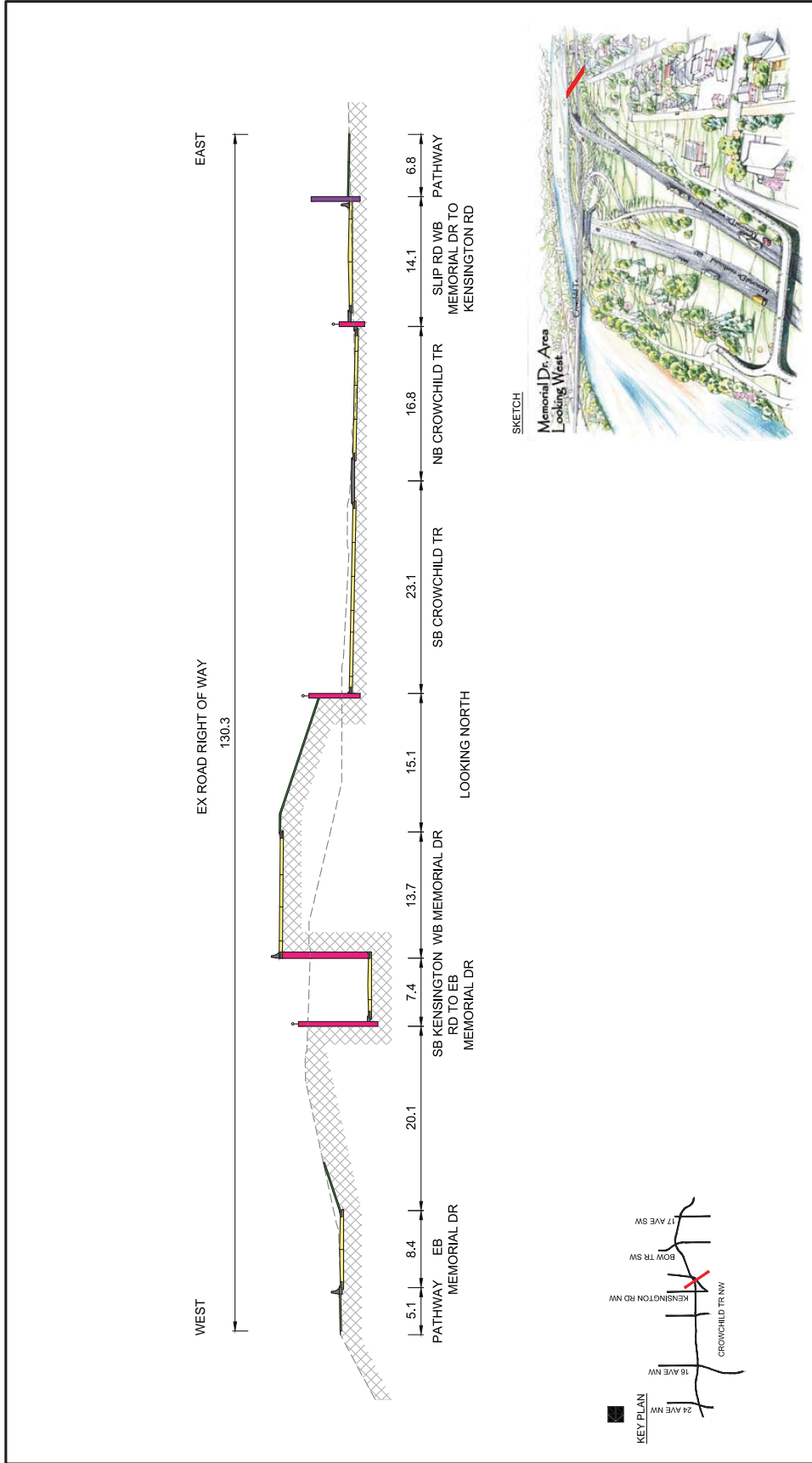
Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan

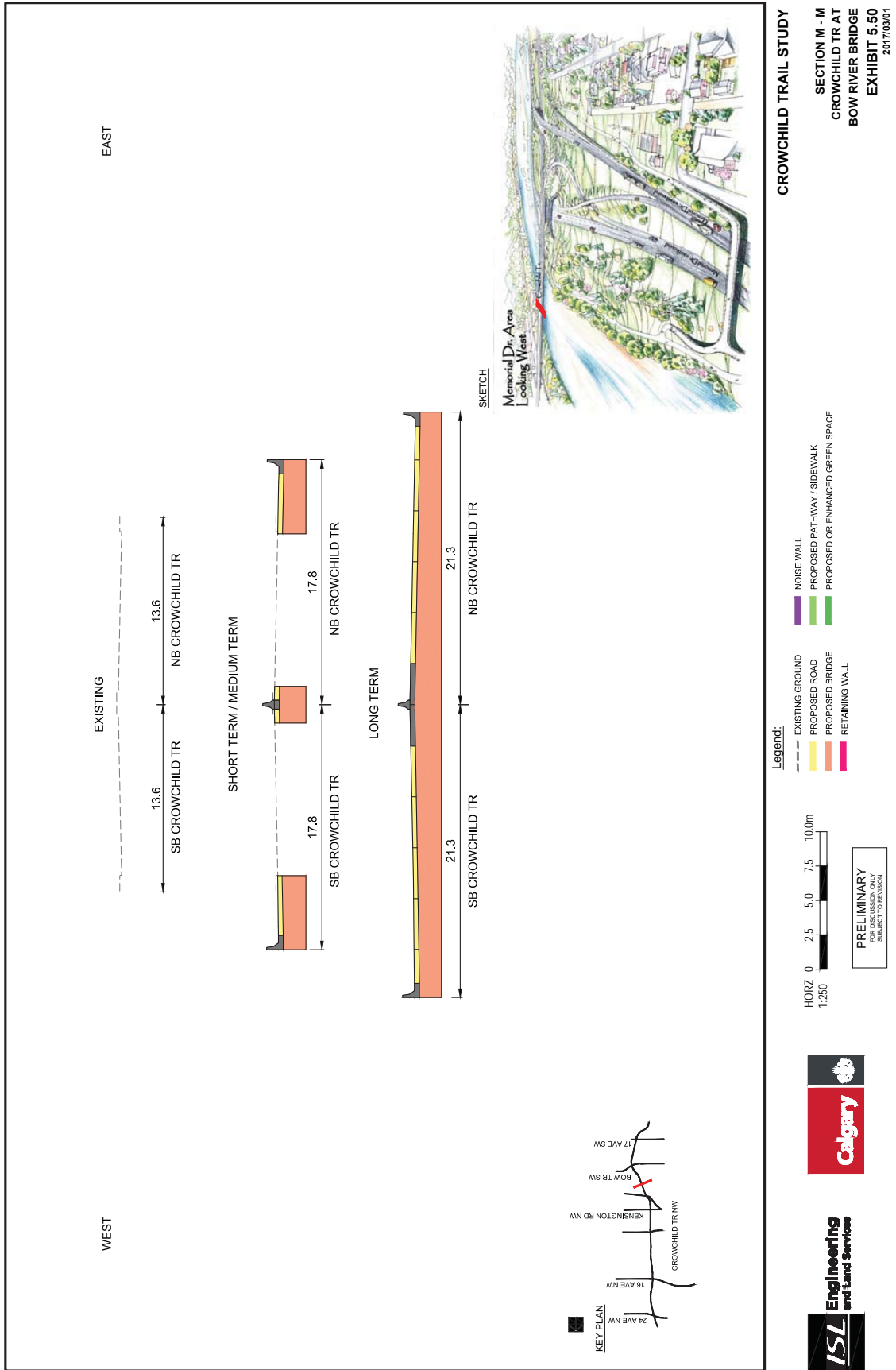


Crowchild Trail Study - Recommended Medium-term Plan

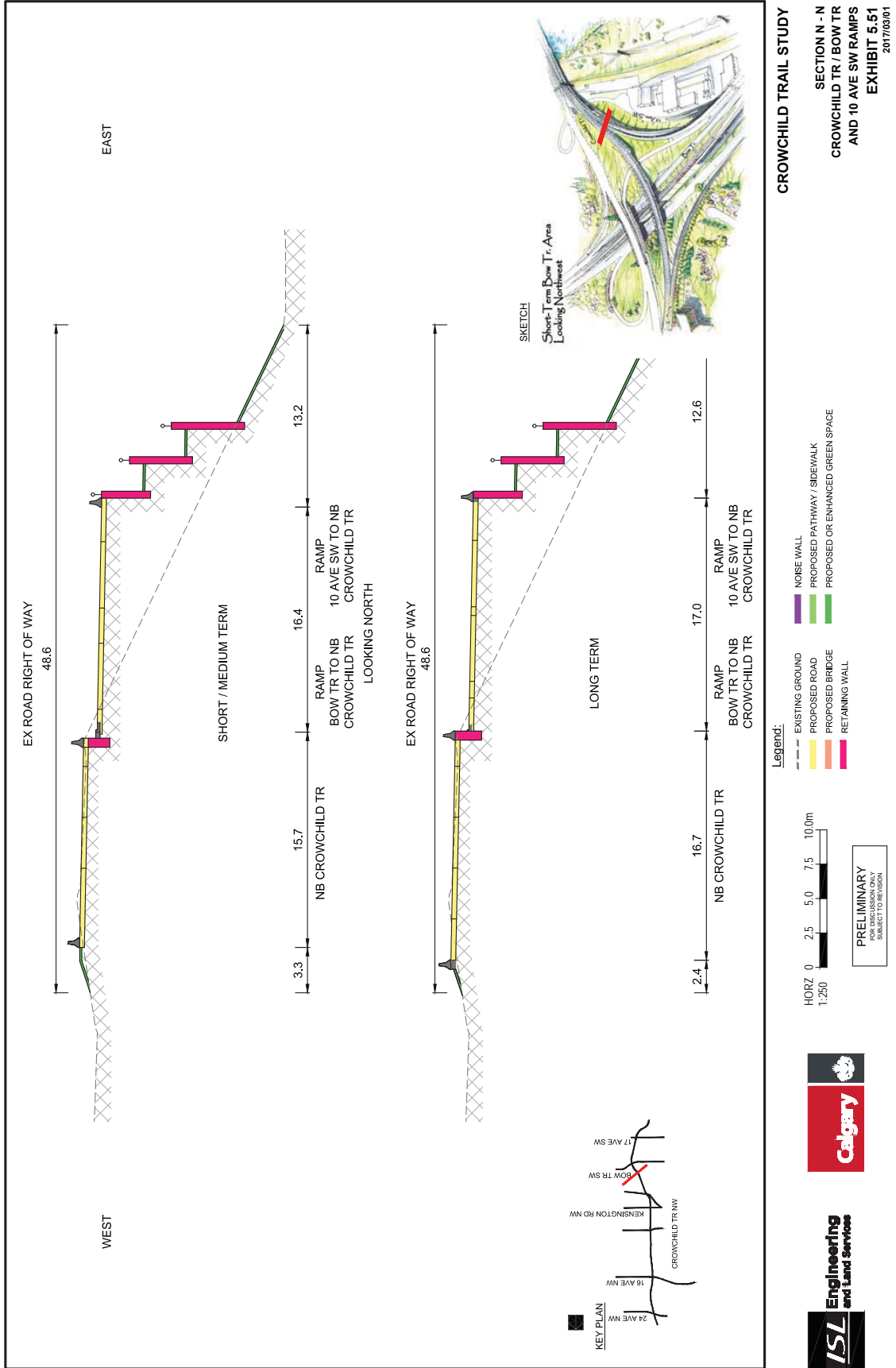


CROWCHILD TRAIL STUDY
SECTION L - L
CROWCHILD TR AT
WB MEMORIAL DR OVERPASS
EXHIBIT 5.49
2017/03/01

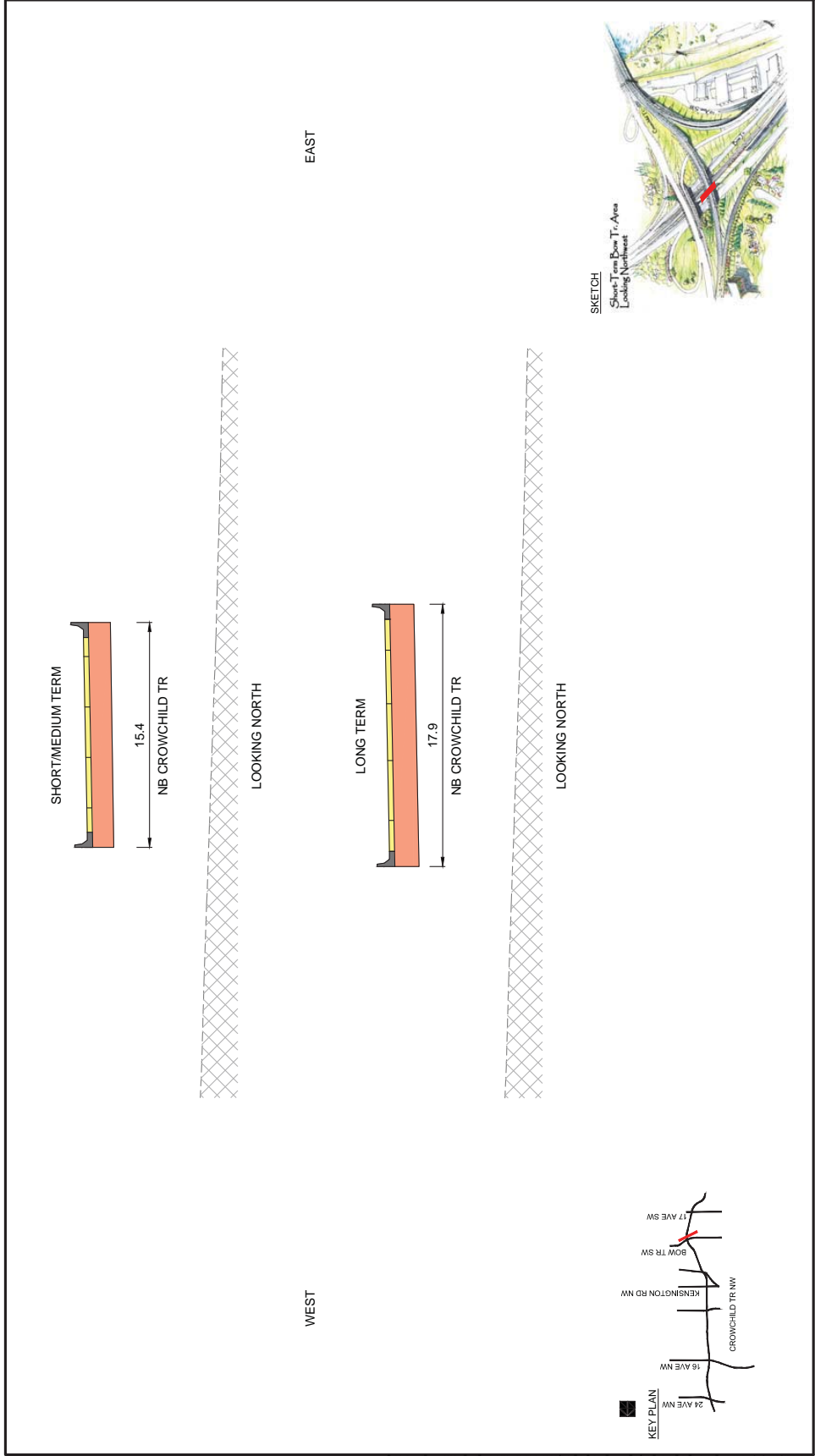
Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY

SECTION 0 - 0
 NB CROWCHILD TR
 OVER BOW TR
 EXHIBIT 5.52
 2017/03/01

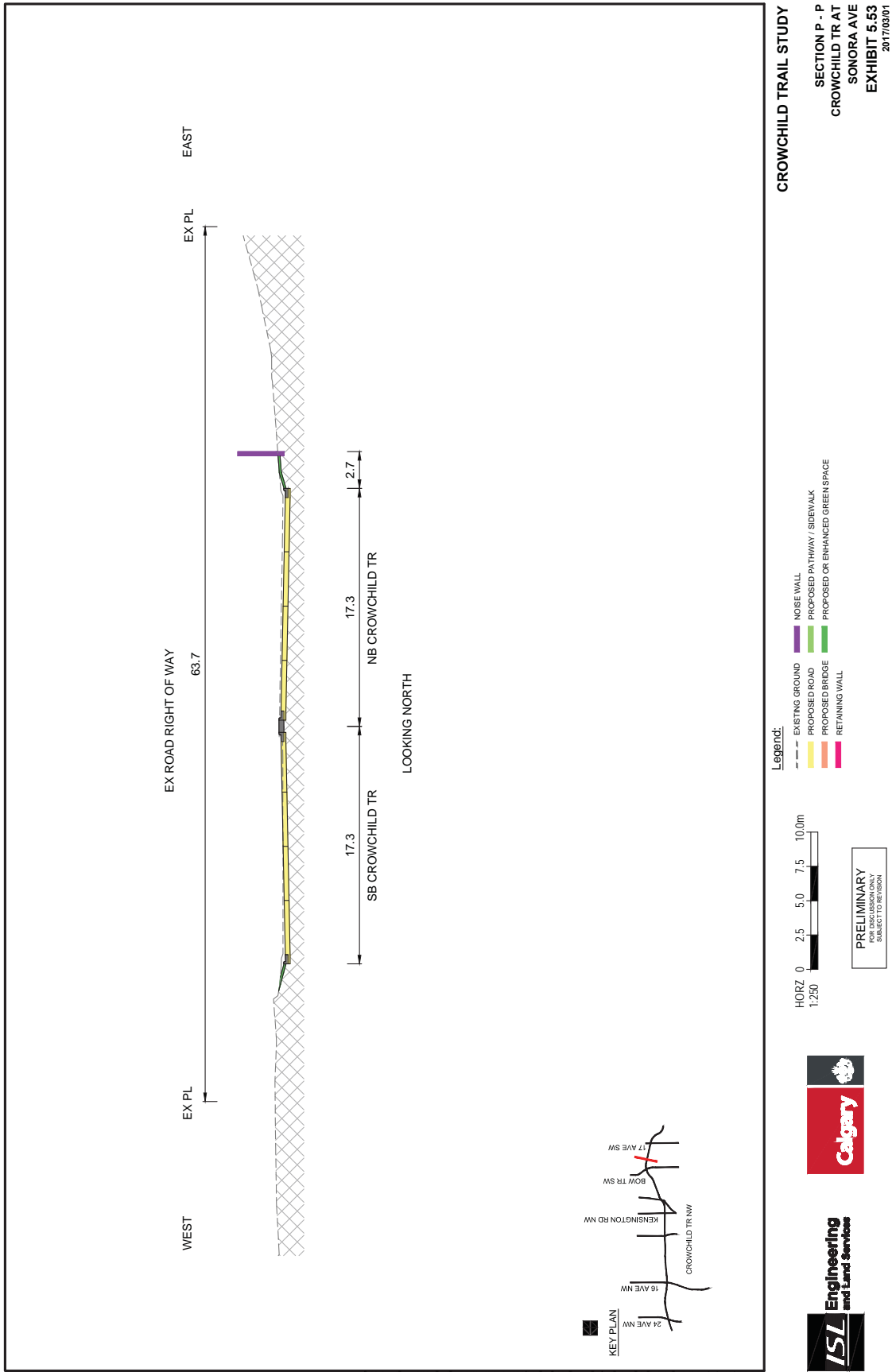
- Legend:**
- EXISTING GROUND
 - PROPOSED ROAD
 - PROPOSED BRIDGE
 - NOISE WALL
 - PROPOSED PATHWAY / SIDEWALK
 - PROPOSED OR ENHANCED GREEN SPACE
 - RETAINING WALL

HORZ 0 2.5 5.0 7.5 10.0m
 1:250

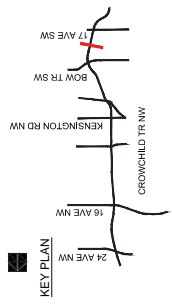
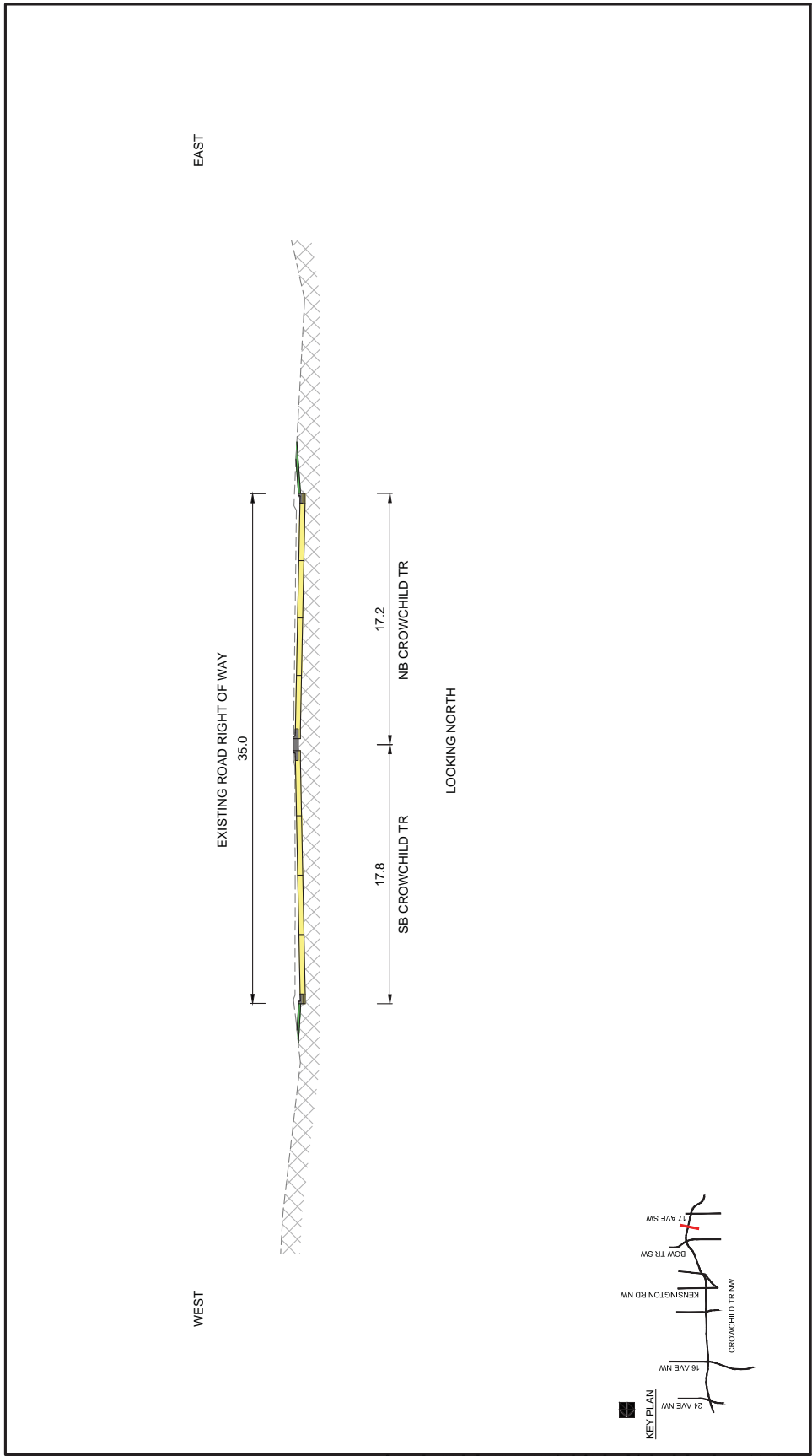
PRELIMINARY
 FOR DECISION ONLY
 PLEASE CONSULT US.



Crowchild Trail Study - Recommended Medium-term Plan

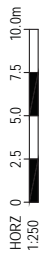


Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
 SECTION Q - Q
 CROWCHILD TR AT
 SUNSET AVE / SALEM AVE
 EXHIBIT 5.54
 2017/03/01

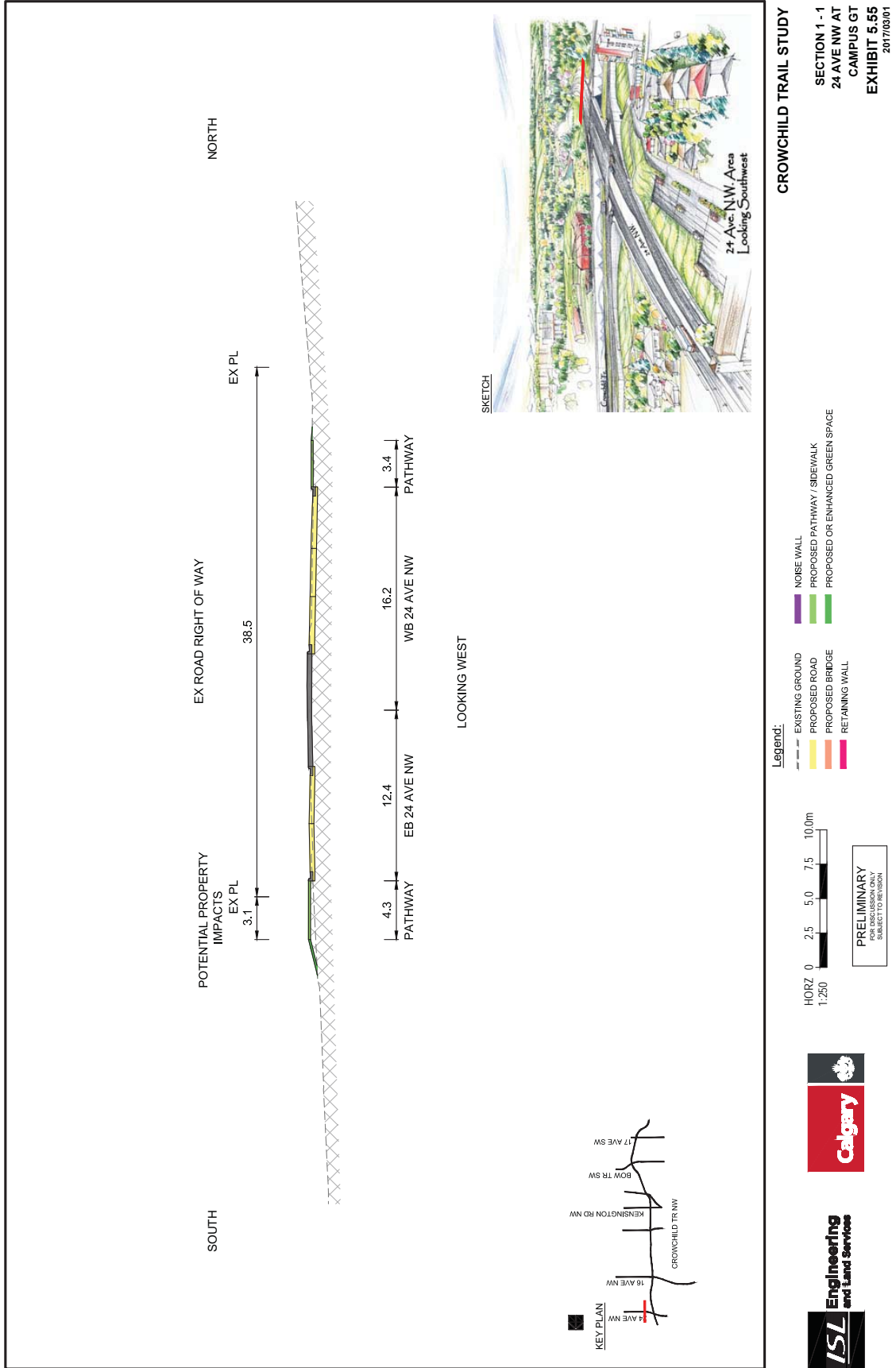
- Legend:**
- EXISTING GROUND
 - PROPOSED ROAD
 - PROPOSED BRIDGE
 - RETAINING WALL
 - NOISE WALL
 - PROPOSED PATHWAY / SIDEWALK
 - PROPOSED OR ENHANCED GREEN SPACE



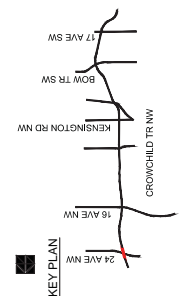
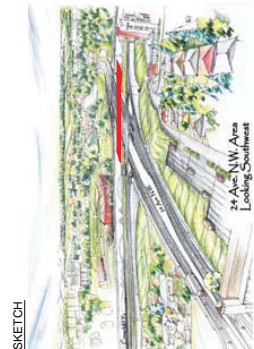
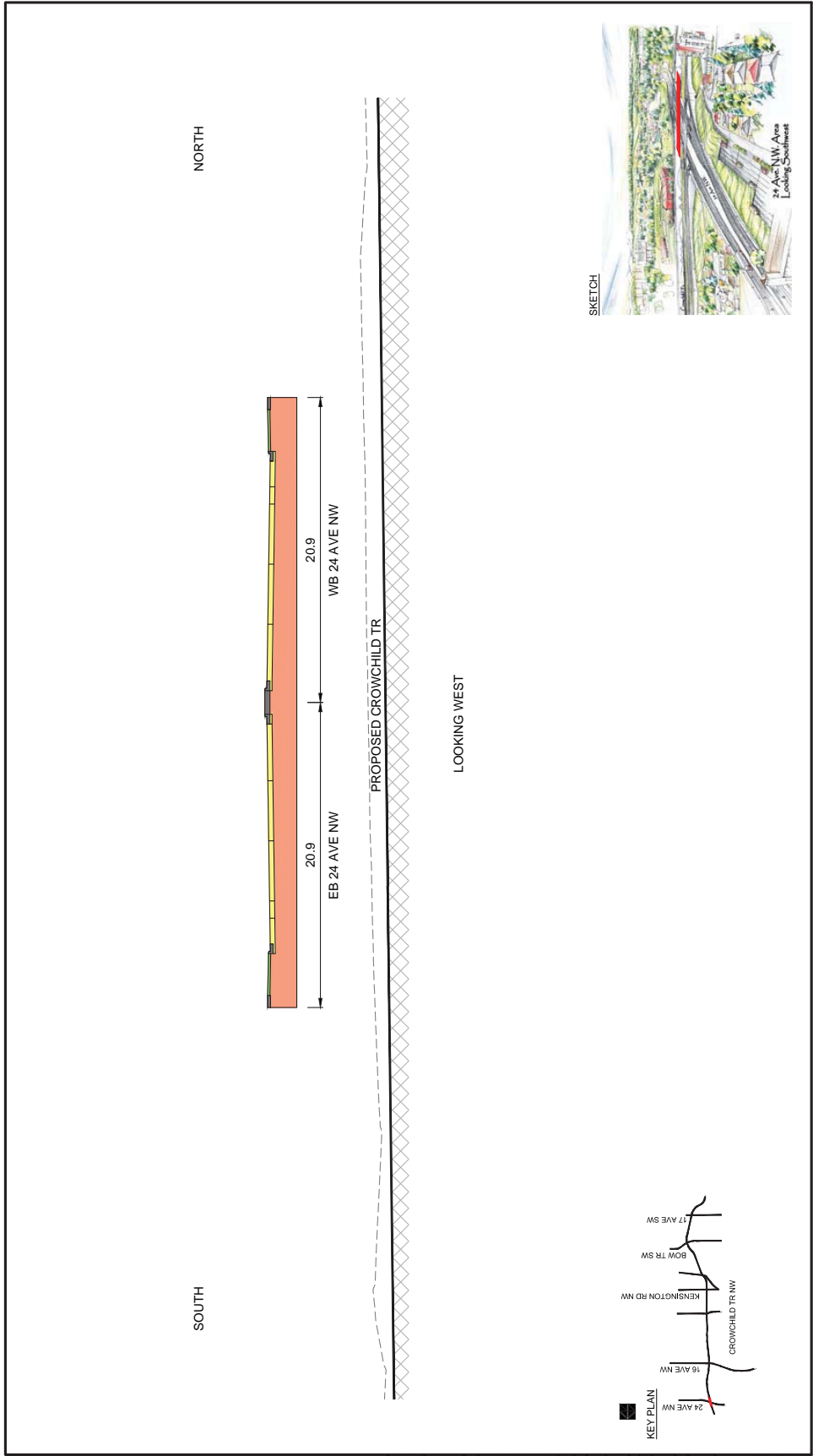
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 SUBJECT TO DESIGN



Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
 SECTION 2 - 2
 24 AVE NW
 OVER CROWCHILD TR
 EXHIBIT 5.56
 2017/03/01

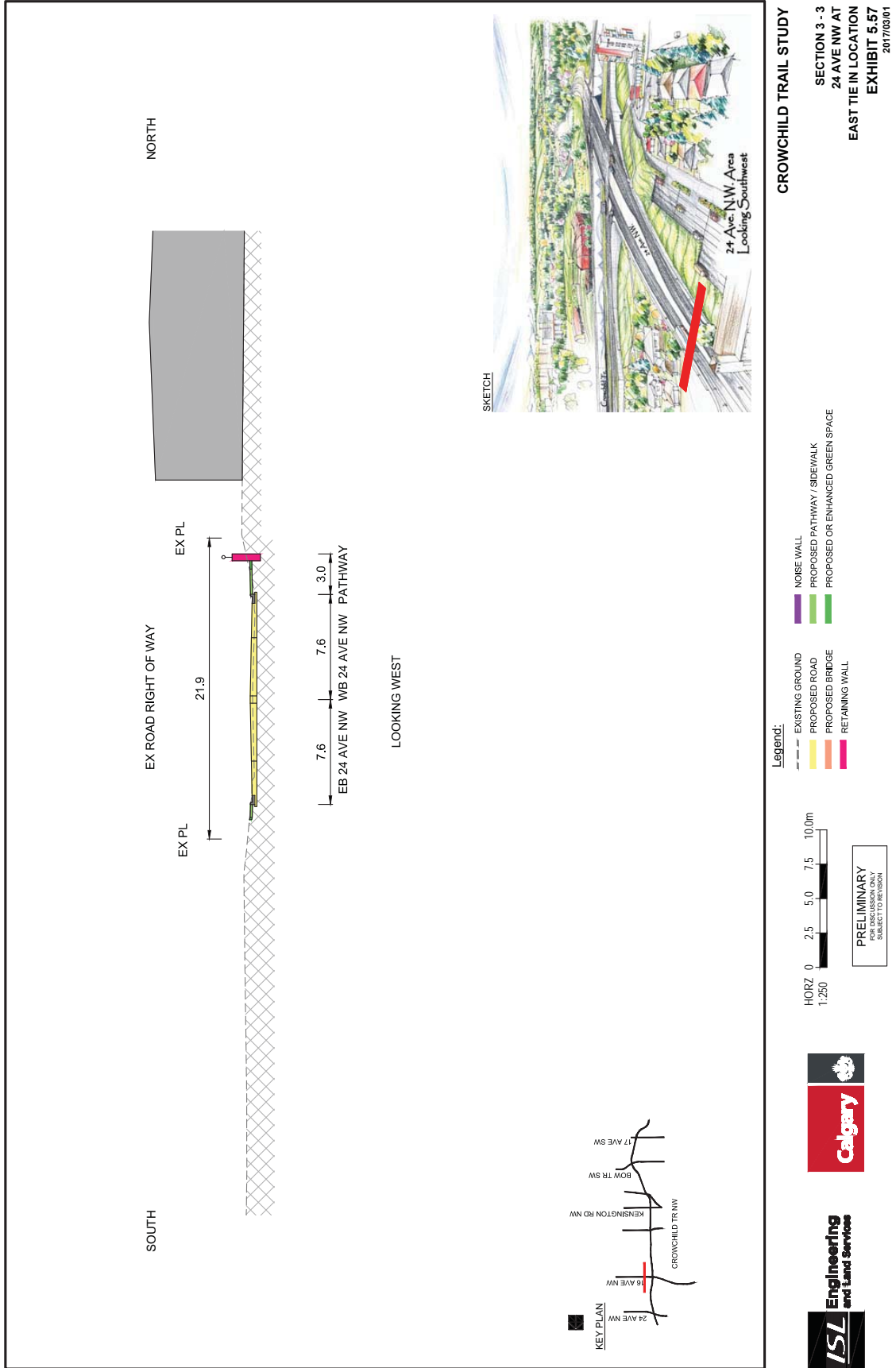
- Legend:**
- EXISTING GROUND
 - PROPOSED ROAD
 - PROPOSED BRIDGE
 - RETAINING WALL
 - NOISE WALL
 - PROPOSED PATHWAY / SIDEWALK
 - PROPOSED OR ENHANCED GREEN SPACE



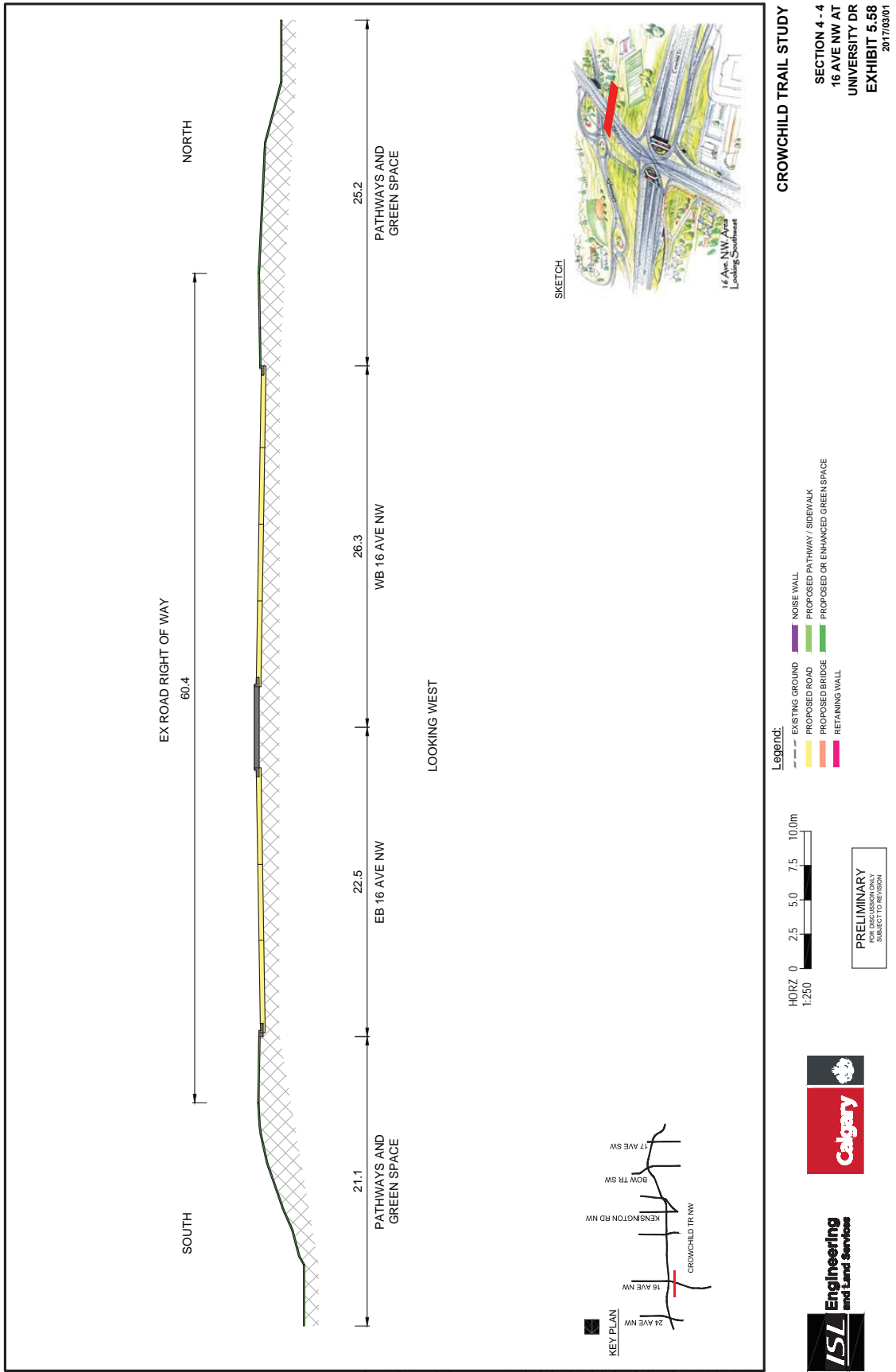
PRELIMINARY
 FOR INFORMATION ONLY
 SUBJECT TO DESIGN



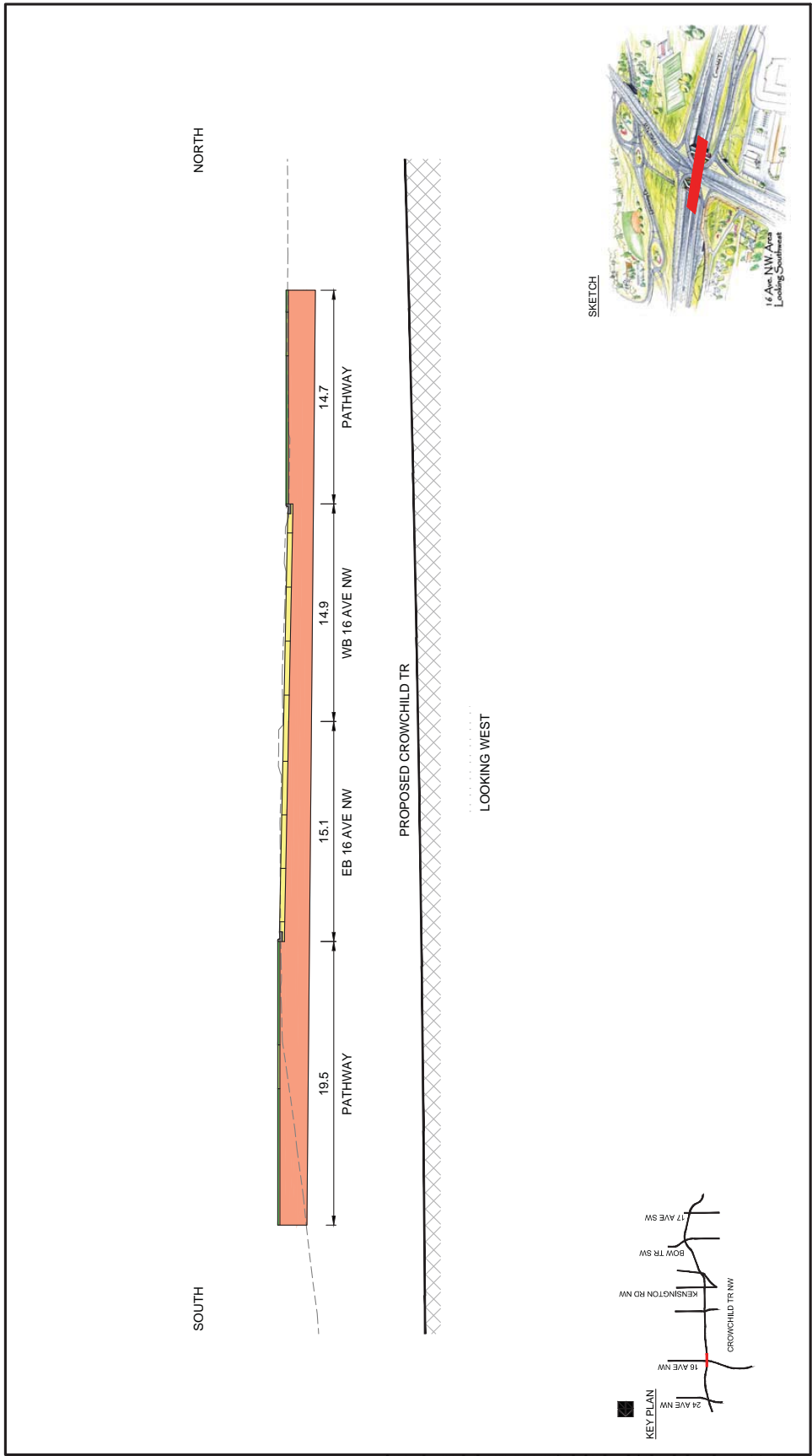
Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
SECTION 5 - 5
16 AVE NW
OVER CROWCHILD TR
EXHIBIT 5.59
 2017/03/01

Legend:
 --- EXISTING GROUND
 --- EXISTING ROAD
 --- PROPOSED ROAD
 --- PROPOSED BRIDGE
 --- RETAINING WALL
 --- NOISE WALL
 --- PROPOSED PATHWAY / SIDEWALK
 --- PROPOSED OR ENHANCED GREEN SPACE

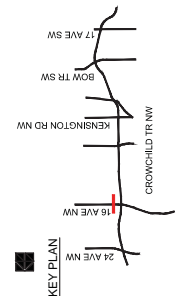
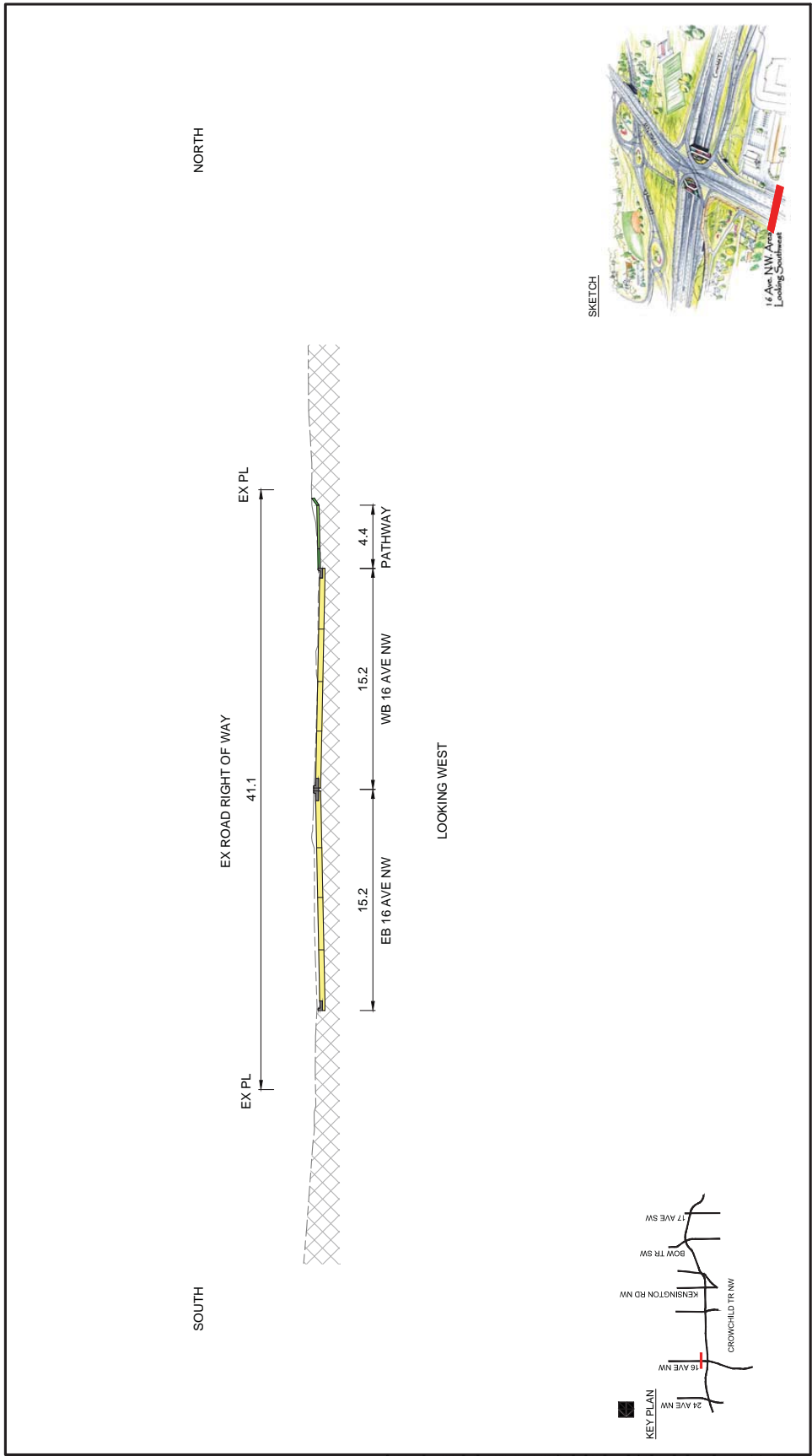
Legend:
 --- EXISTING GROUND
 --- EXISTING ROAD
 --- PROPOSED ROAD
 --- PROPOSED BRIDGE
 --- RETAINING WALL
 --- NOISE WALL
 --- PROPOSED PATHWAY / SIDEWALK
 --- PROPOSED OR ENHANCED GREEN SPACE



PRELIMINARY
 FOR DECISION ONLY
 PLEASE CONSULT US

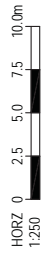


Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
SECTION 6 - 6
16 AVE NW AT
22A ST NW
EXHIBIT 5.60
2017/03/01

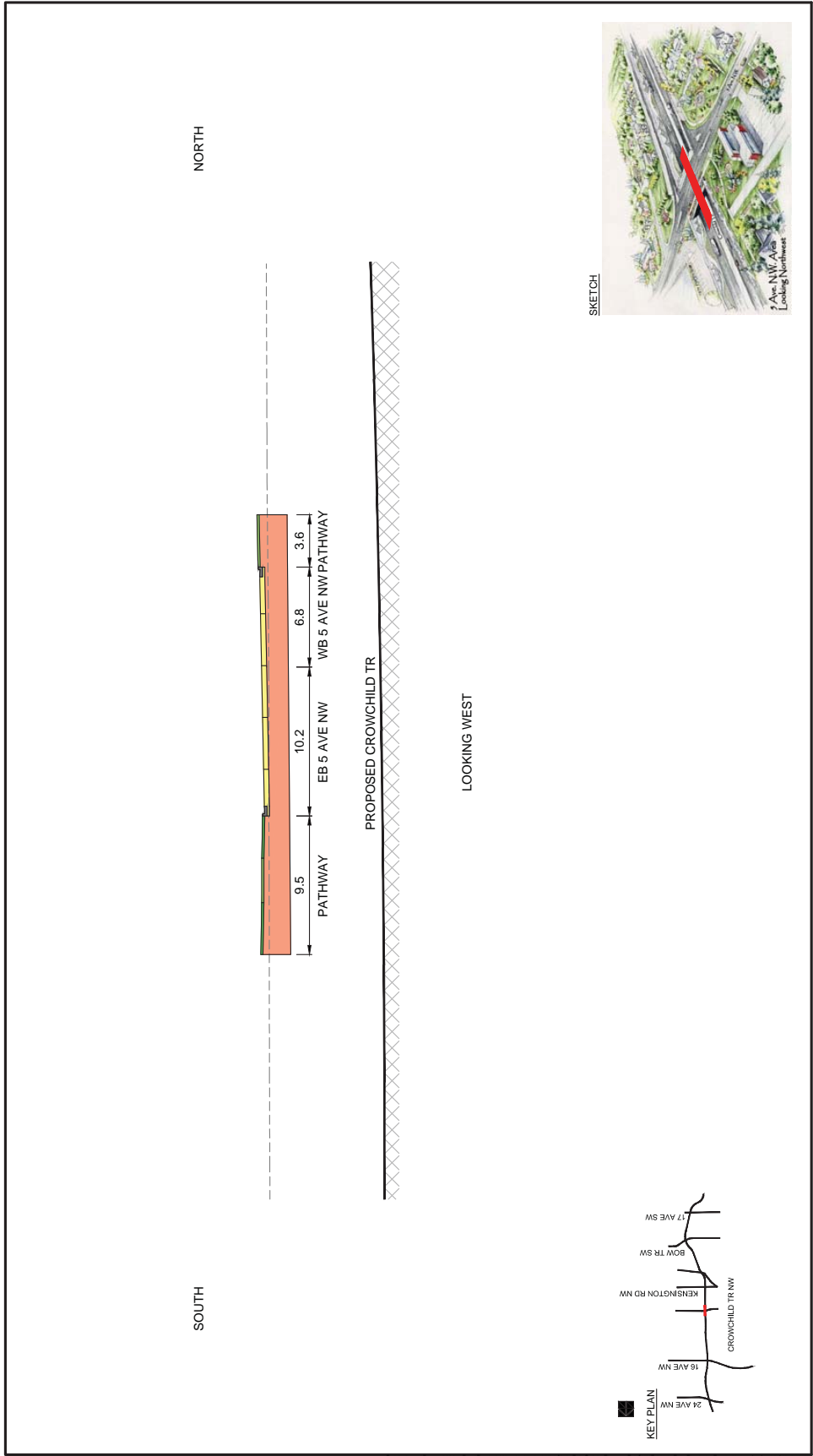
- Legend:**
- EXISTING GROUND
 - PROPOSED ROAD
 - PROPOSED BRIDGE
 - RETAINING WALL
 - NOISE WALL
 - PROPOSED PATHWAY / SIDEWALK
 - PROPOSED OR ENHANCED GREEN SPACE



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FOR DISCUSSION ONLY
DATE SET FOR DESIGN



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
SECTION 7 - 7
5 AVE NW
OVER CROWCHILD TR
EXHIBIT 5.61
 2017/03/01

Legend:

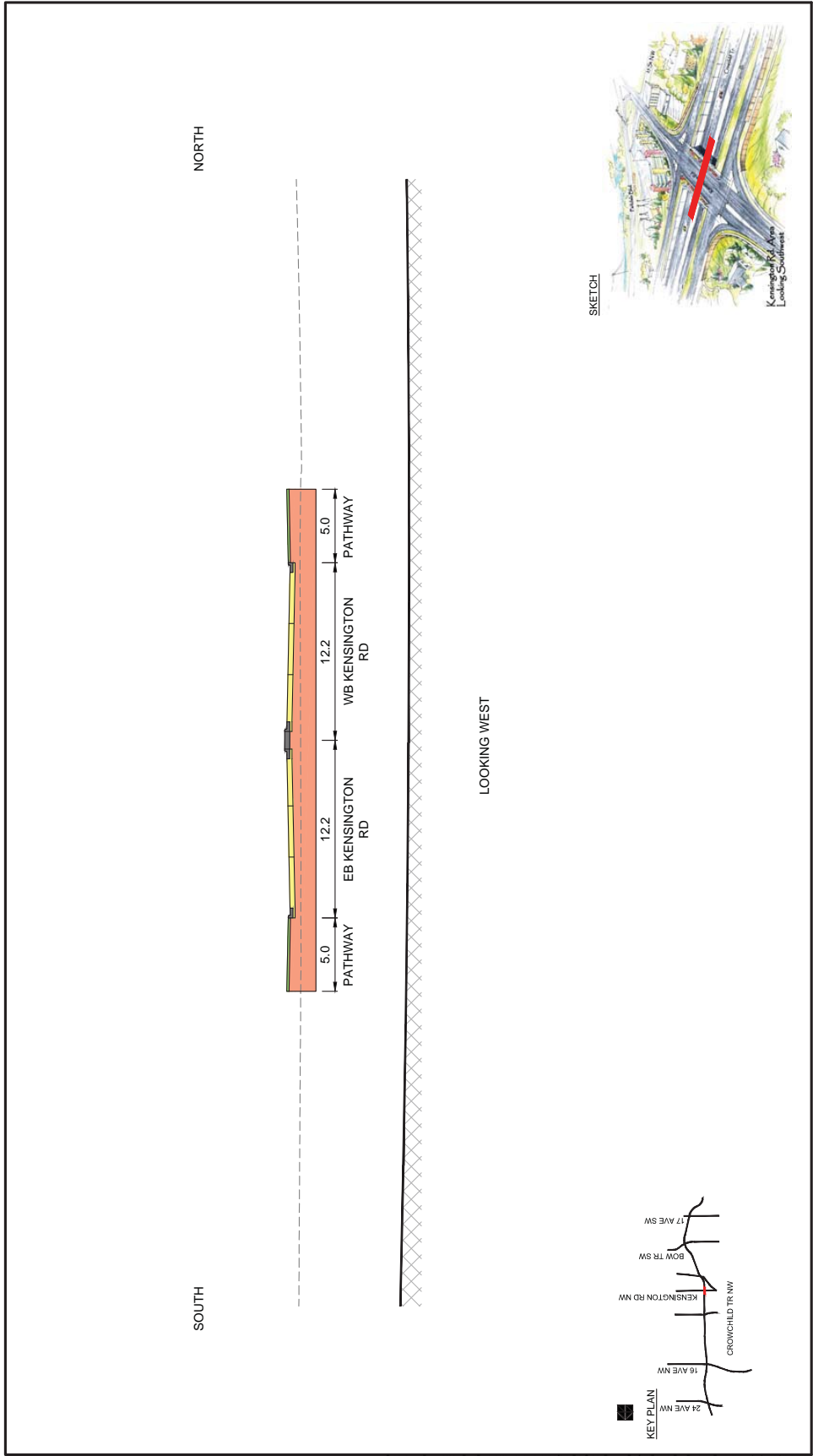
- EXISTING GROUND
- PROPOSED ROAD
- PROPOSED BRIDGE
- RETAINING WALL
- NOISE WALL
- PROPOSED PATHWAY / SIDEWALK
- PROPOSED OR ENHANCED GREEN SPACE

HORZ 0 2.5 5.0 7.5 10.0m
 1:250

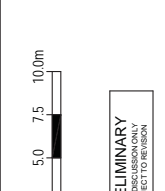
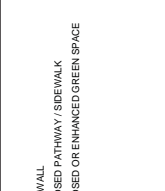
PRELIMINARY
 FOR DECISION ONLY
 SUBJECT TO DESIGN



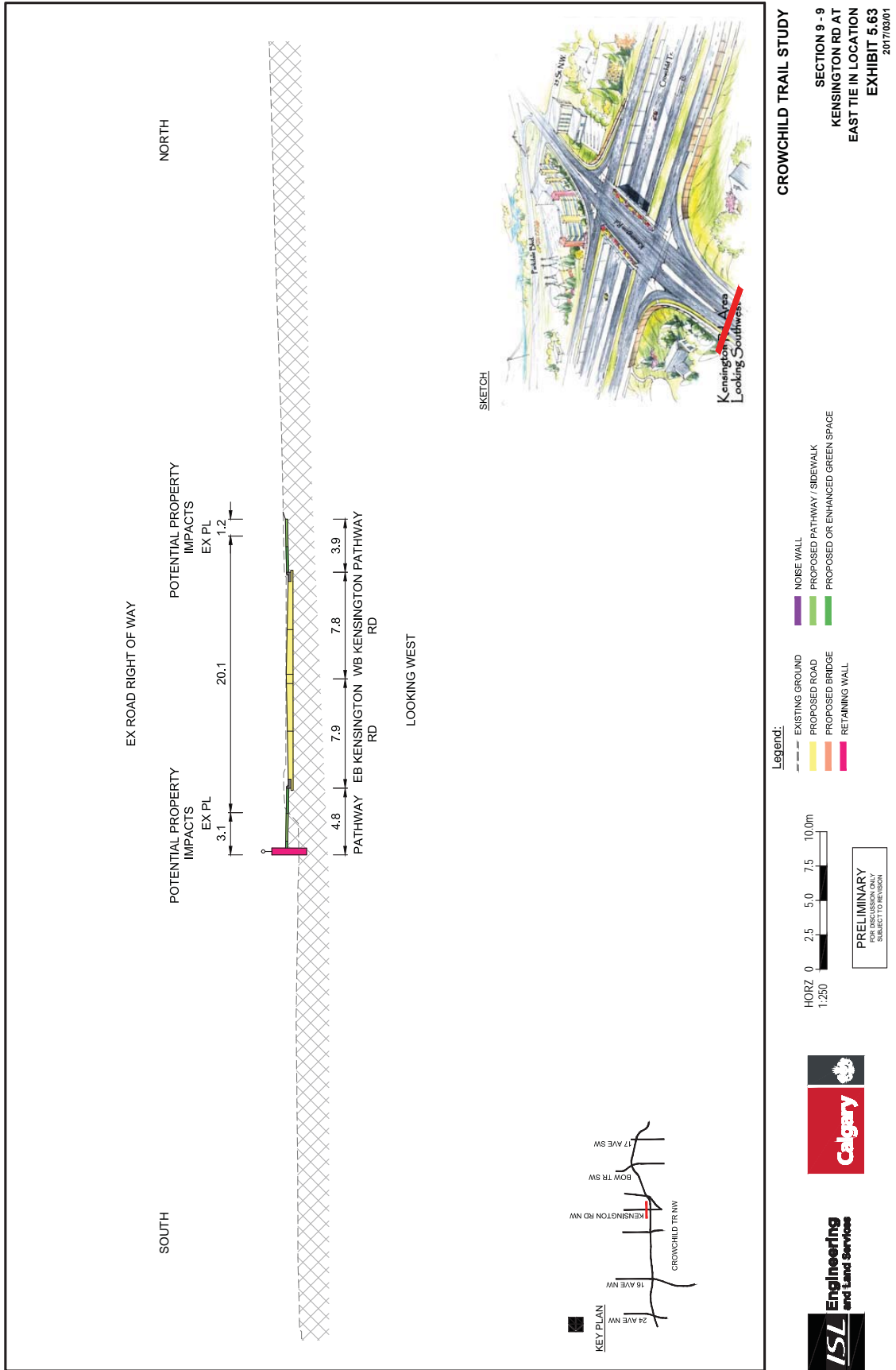
Crowchild Trail Study - Recommended Medium-term Plan



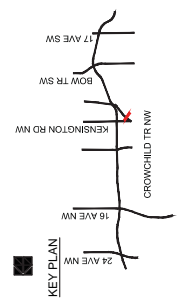
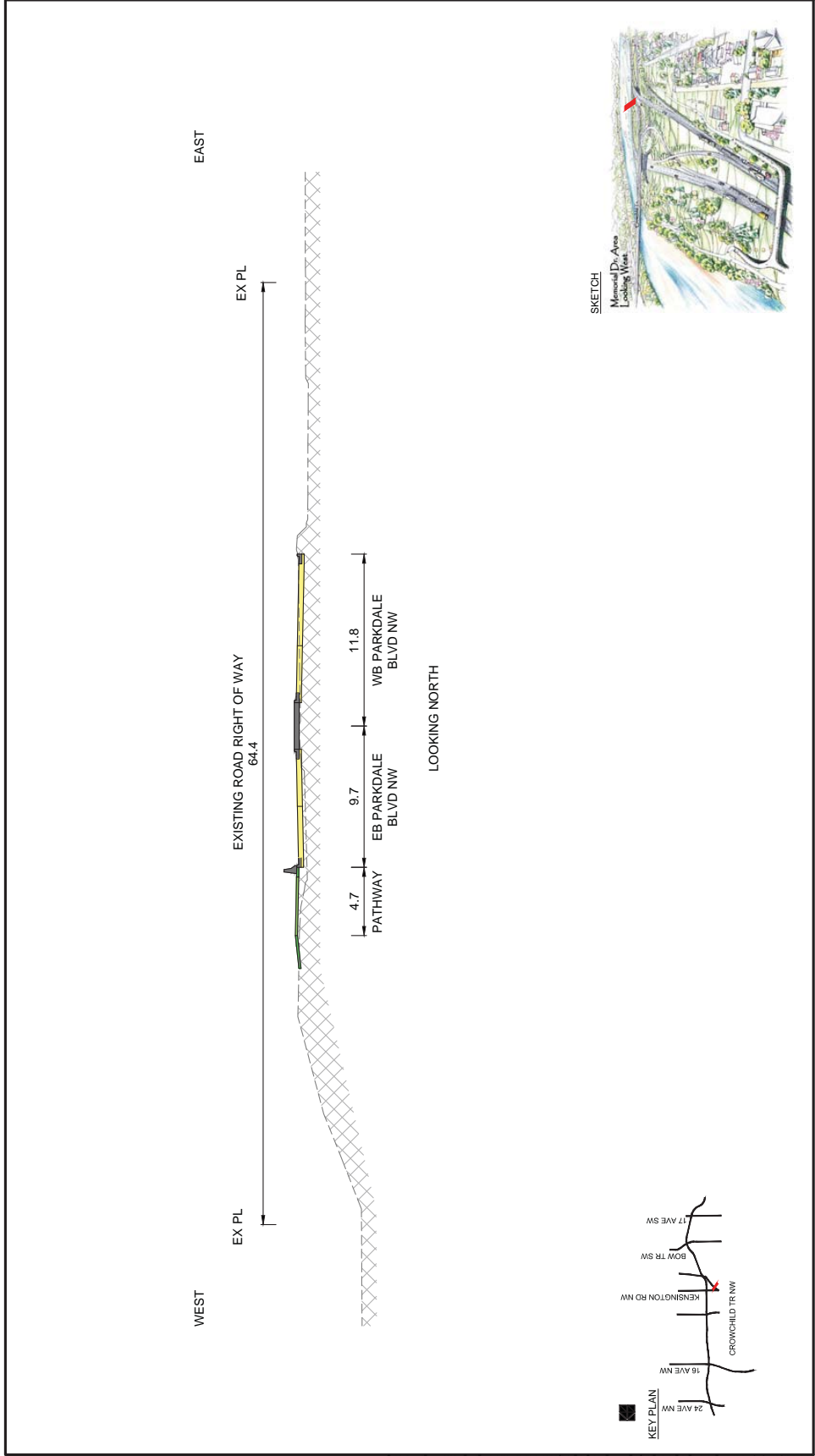
CROWCHILD TRAIL STUDY
SECTION 8 - 8
KENSINGTON RD
OVER CROWCHILD TR
EXHIBIT 5.62
 2017/03/01



Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
SECTION 10 - 10
PARKDALE BLVD AT
KENSINGTON RD / 25 ST NW
EXHIBIT 5.64
 2017/03/01

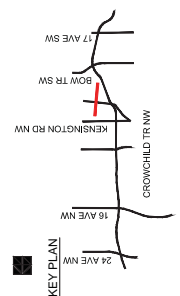
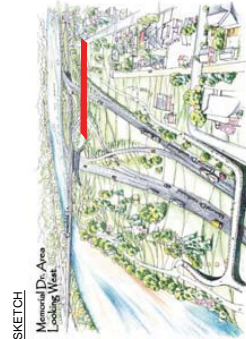
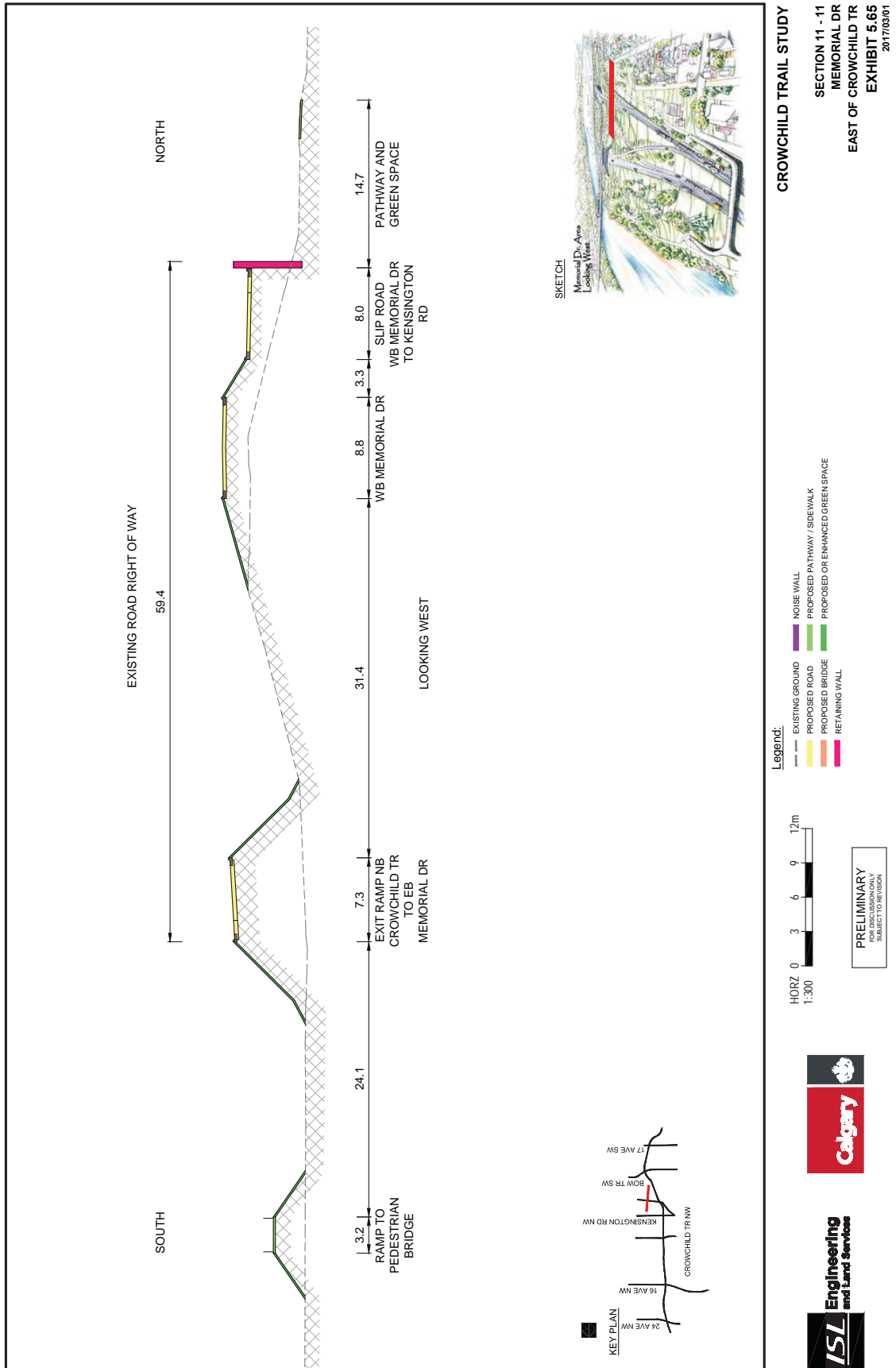
- Legend:**
- EXISTING GROUND
 - EXISTING ROAD
 - PROPOSED PATHWAY / SIDEWALK
 - PROPOSED BRIDGE
 - PROPOSED OR ENHANCED GREEN SPACE
 - NOISE WALL
 - RETAINING WALL



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Legend:

- EXISTING GROUND
- PROPOSED ROAD
- PROPOSED BRIDGE
- RETAINING WALL
- NOISE WALL
- PROPOSED PATHWAY / SIDEWALK
- PROPOSED OR ENHANCED GREEN SPACE



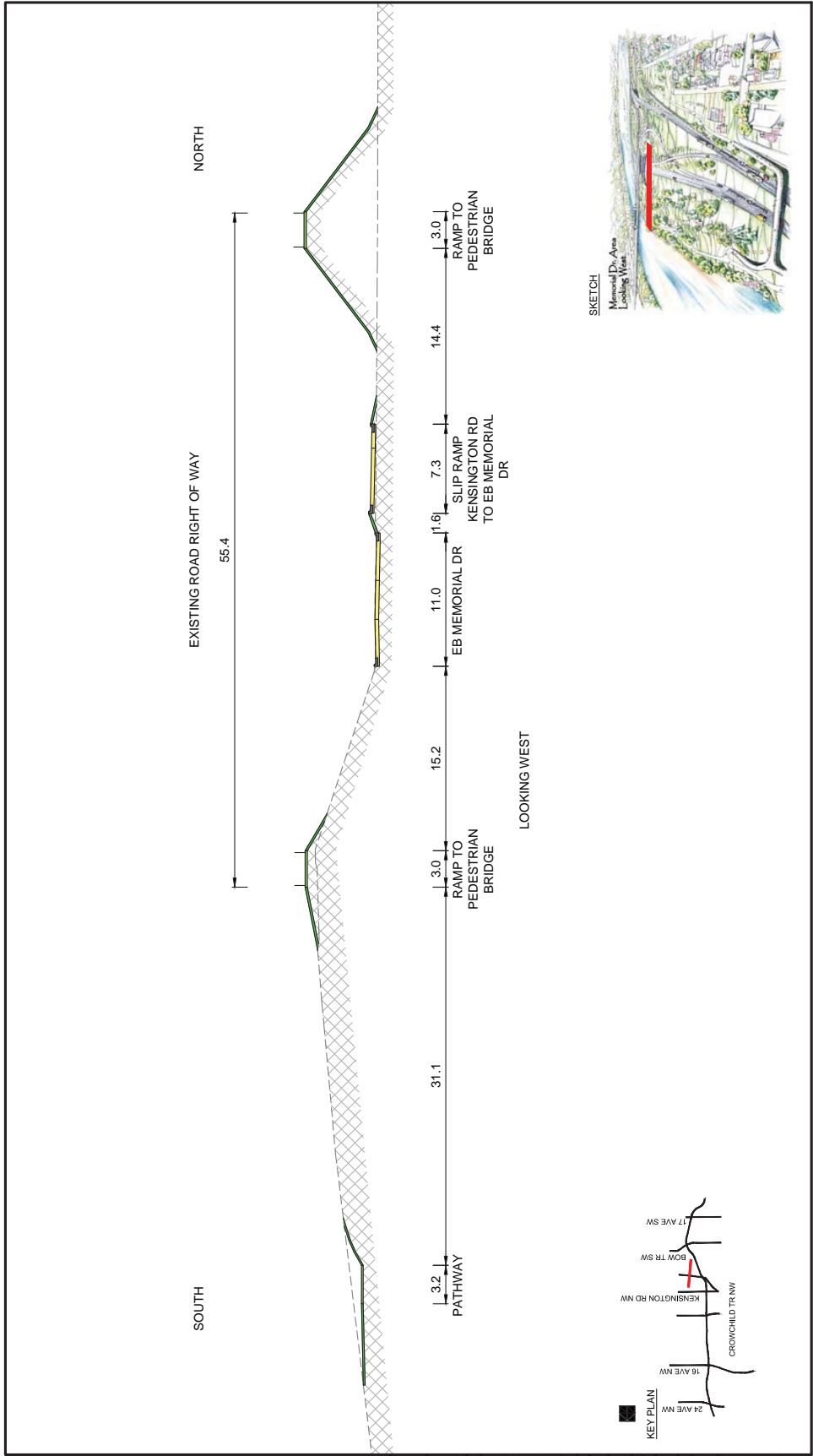
PRELIMINARY
FOR DISCUSSION ONLY
SUBJECT TO DESIGN



CROWCHILD TRAIL STUDY

SECTION 11 - 11
MEMORIAL DR
EAST OF CROWCHILD TR
EXHIBIT 5.65
2017/03/01

Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
SECTION 12 - 12
MEMORIAL DR
EAST OF CROWCHILD TR
EXHIBIT 5.66
2017/03/01

Legend:

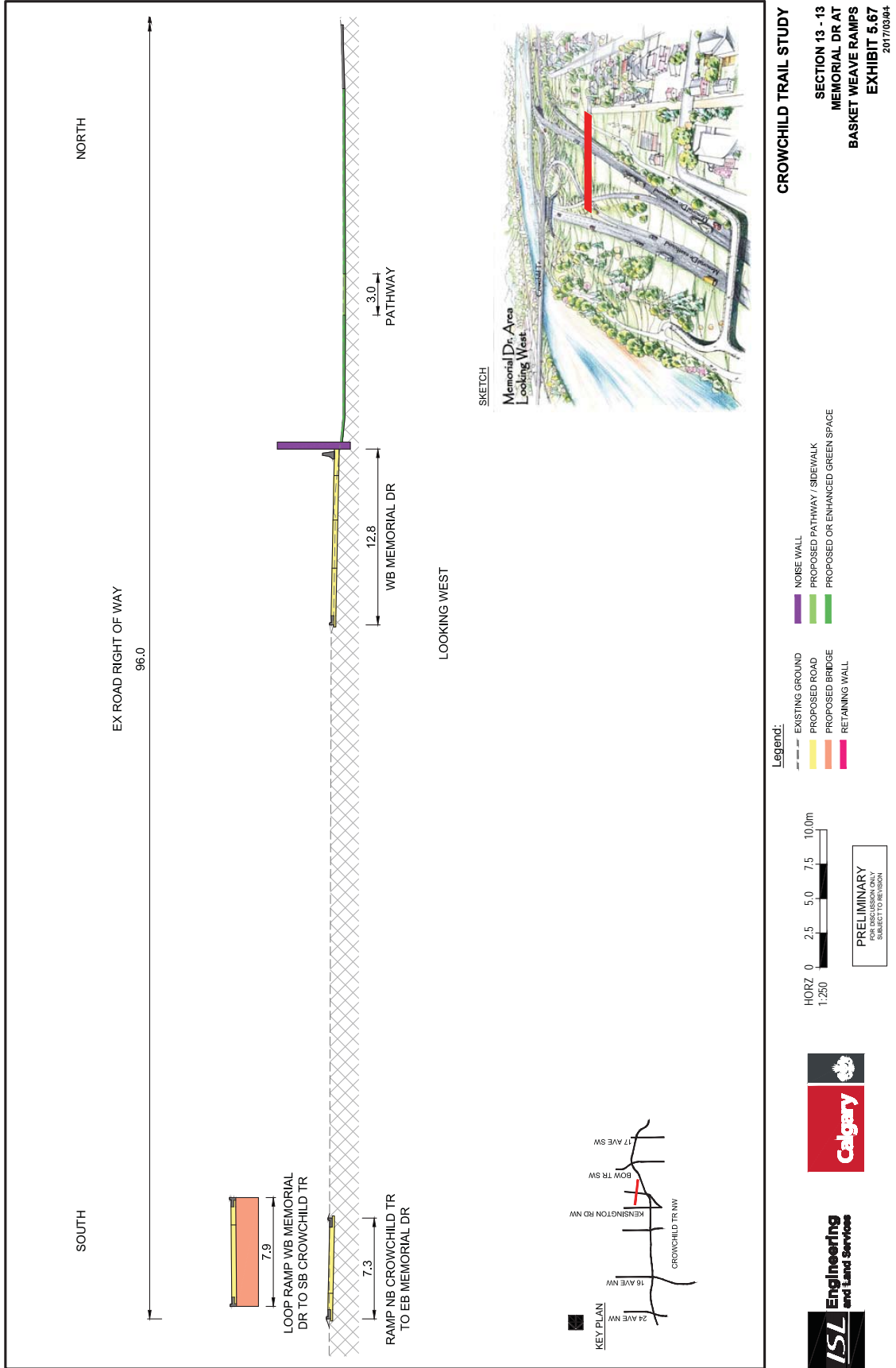
- EXISTING GROUND
- PROPOSED ROAD
- PROPOSED BRIDGE
- RETAINING WALL
- NOISE WALL
- PROPOSED PATHWAY / SIDEWALK
- PROPOSED OR ENHANCED GREEN SPACE

HORZ 0 3 6 9 12m
1:300

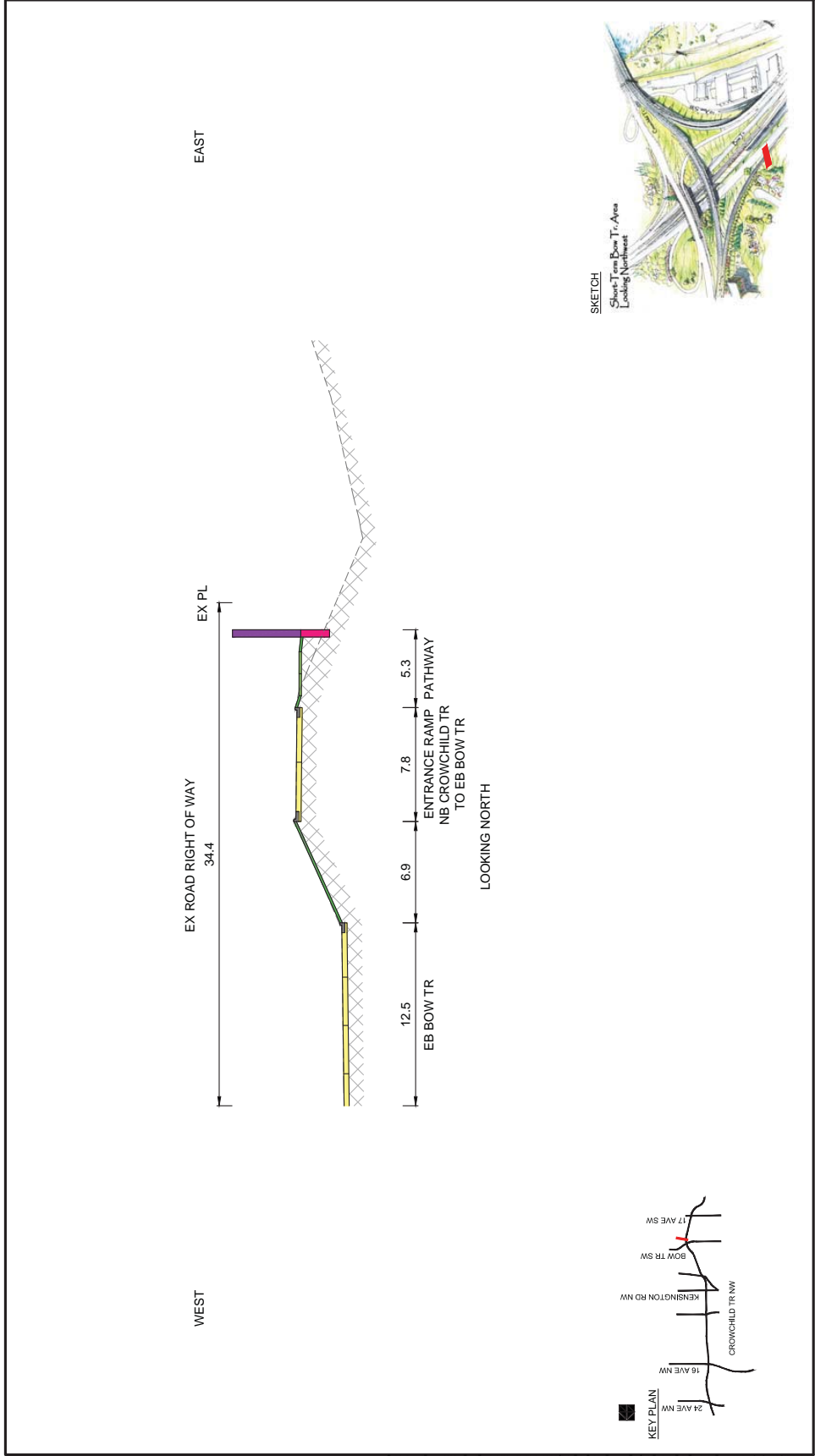
PRELIMINARY
FOR DECISION ONLY
DATE SET FOR DISCUSSION



Crowchild Trail Study - Recommended Medium-term Plan



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
SECTION 14 - 14
NB CROWCHILD TR RAMP
TO EB BOW TR
EXHIBIT 5.68
 2017/03/01

Legend:

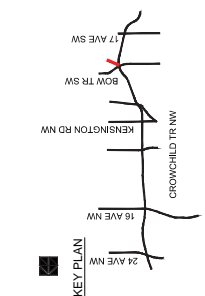
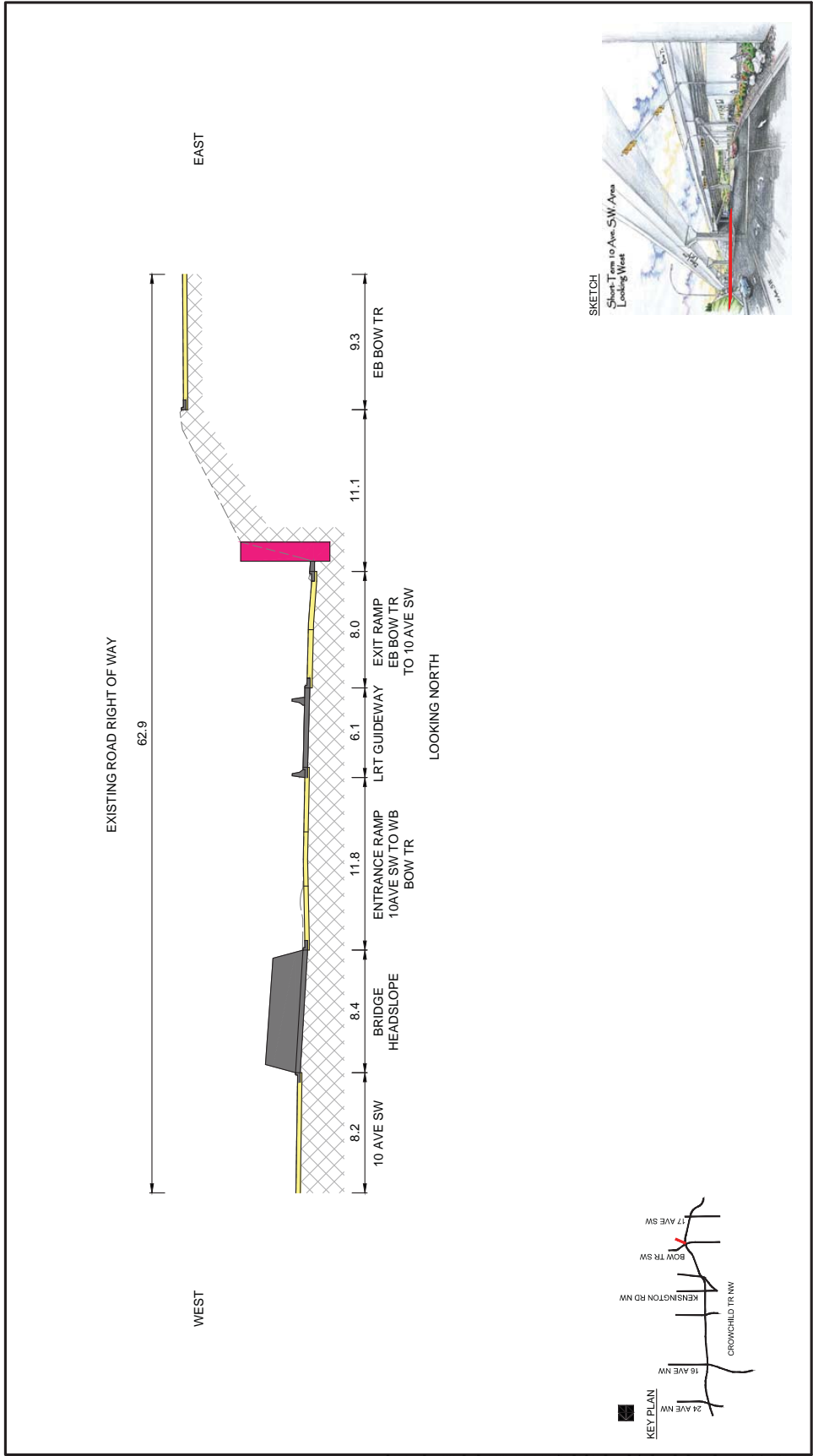
- EXISTING GROUND
- PROPOSED PATHWAY / SIDEWALK
- PROPOSED ROAD
- PROPOSED BRIDGE
- RETAINING WALL
- NOISE WALL
- PROPOSED OR ENHANCED GREEN SPACE

HORZ 0 2.5 5.0 7.5 10.0m
 1:250

PRELIMINARY
 FOR DECISION ONLY
 SUBJECT TO DESIGN

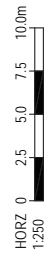


Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
 SECTION 15 - 15
 BOW TR RAMP TO
 10 AVE SW
 EXHIBIT 5.69
 2017/03/01

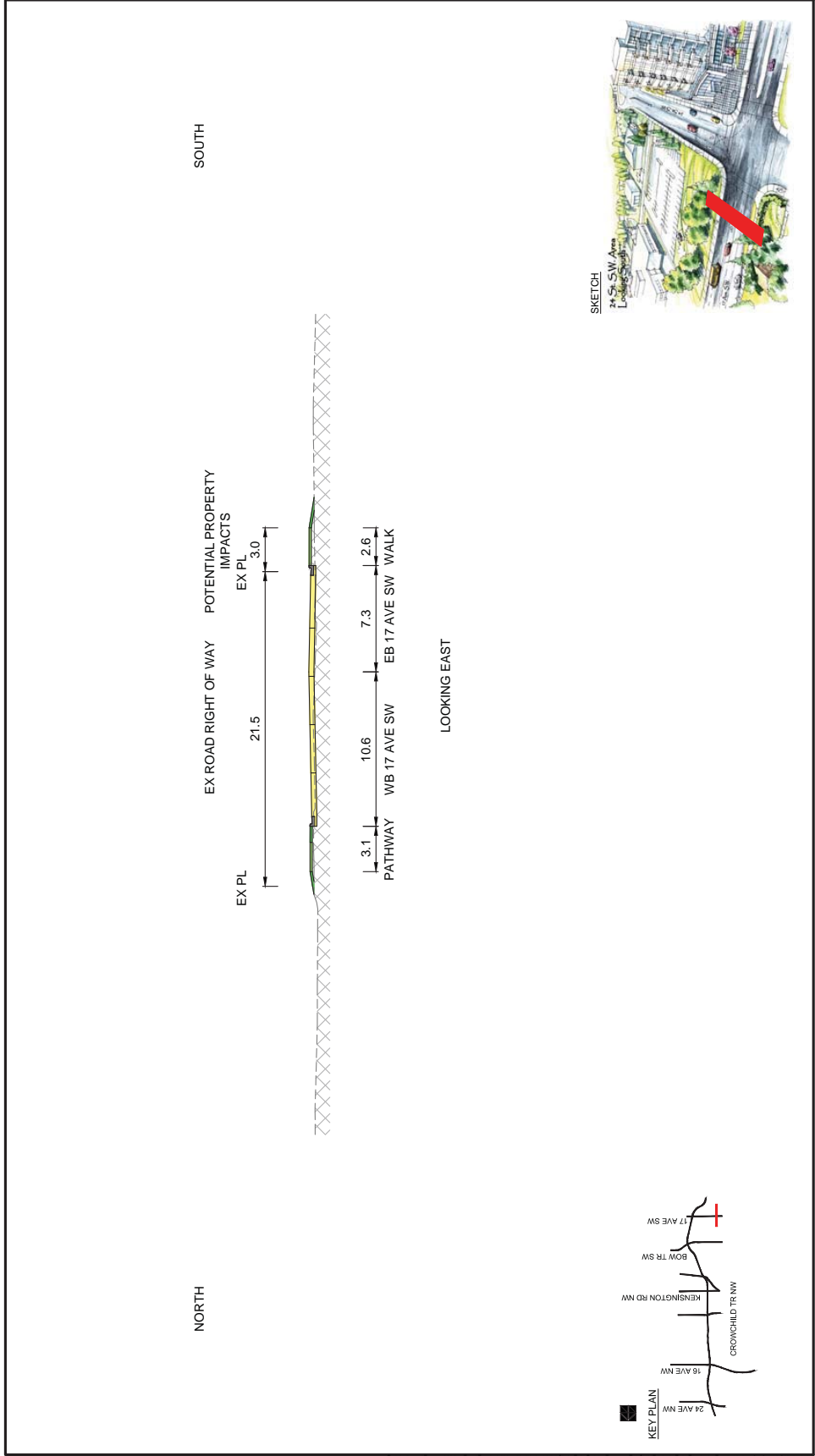
- Legend:**
- EXISTING GROUND
 - PROPOSED ROAD
 - PROPOSED BRIDGE
 - RETAINING WALL
 - NOISE WALL
 - PROPOSED PATHWAY / SIDEWALK
 - PROPOSED OR ENHANCED GREEN SPACE



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 SUBJECT TO DESIGN



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
 SECTION 16 - 16
 17 AVE SW AT
 22 ST SW
 EXHIBIT 5.70
 2017/03/01

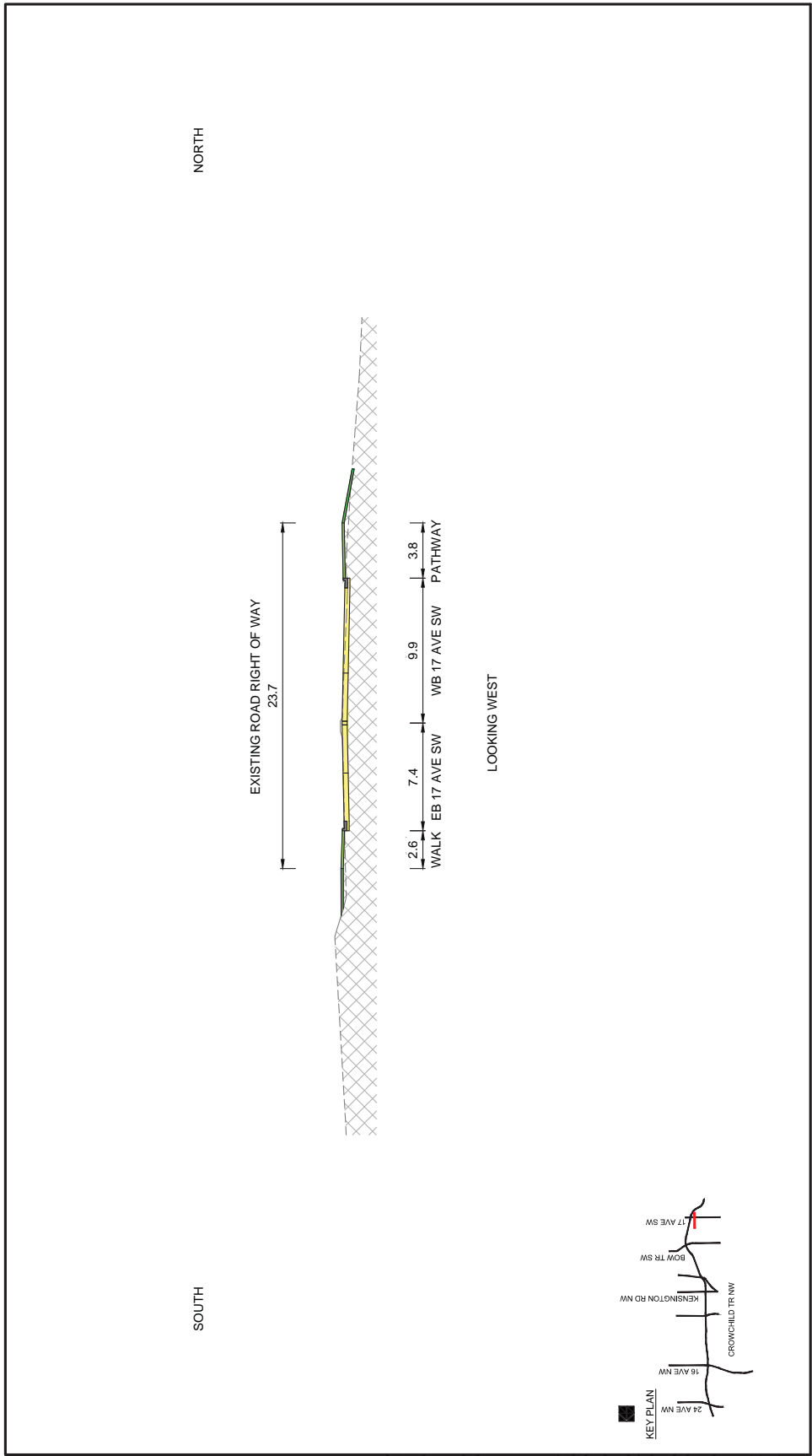
Legend:
 --- EXISTING GROUND
 --- EXISTING ROAD
 --- PROPOSED ROAD
 --- PROPOSED BRIDGE
 --- RETAINING WALL
 --- NOISE WALL
 --- PROPOSED PATHWAY / SIDEWALK
 --- PROPOSED OR ENHANCED GREEN SPACE

HORZ 0 2.5 5.0 7.5 10.0m
 1:250

PRELIMINARY
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 SUBJECT TO DESIGN



Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
 SECTION 17 - 17
 17 AVE SW AT
 22 ST SW
 EXHIBIT 5.71
 2017/03/01

Legend:

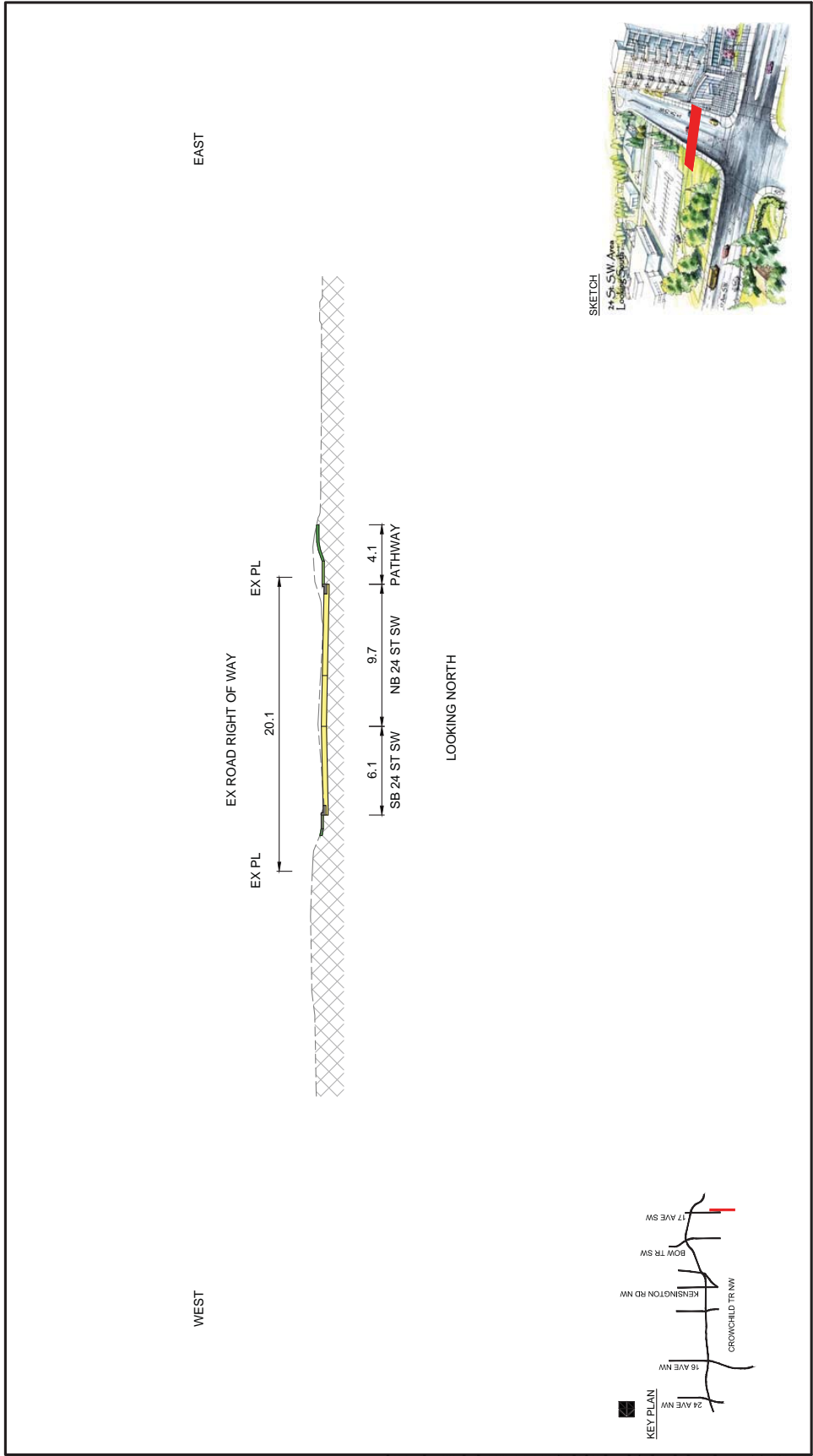
- EXISTING GROUND
- PROPOSED ROAD
- PROPOSED BRIDGE
- RETAINING WALL
- NOISE WALL
- PROPOSED PATHWAY / SIDEWALK
- PROPOSED OR ENHANCED GREEN SPACE

HORZ 0 2.5 5.0 7.5 10.0m
 1:250

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Crowchild Trail Study - Recommended Medium-term Plan



CROWCHILD TRAIL STUDY
 SECTION 18 - 18
 24 ST SW
 SOUTH OF 17 AVE SW
 EXHIBIT 5.72
 2017/03/01

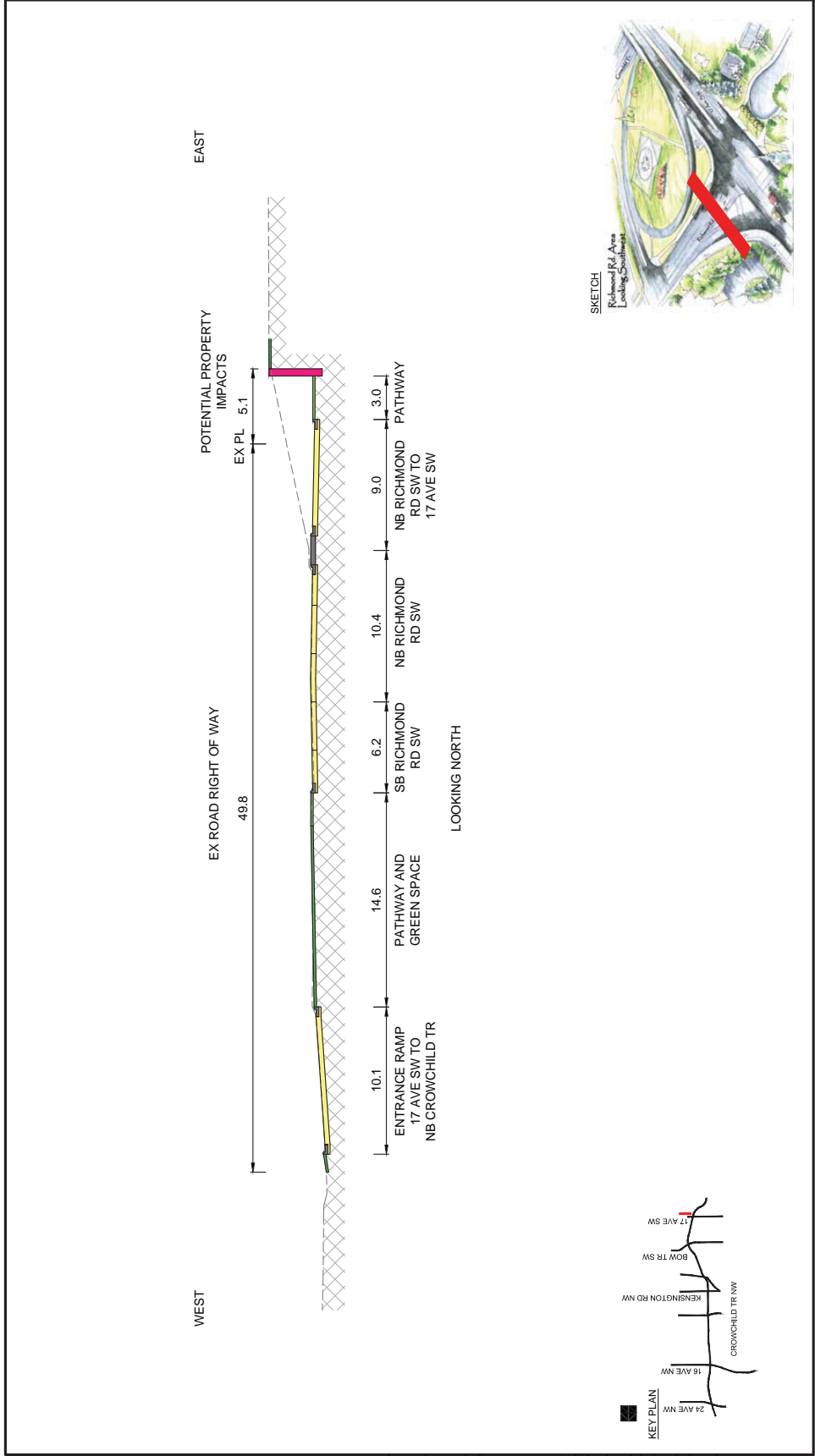
Legend:
 --- EXISTING GROUND
 --- PROPOSED PATHWAY / SIDEWALK
 --- PROPOSED ROAD
 --- PROPOSED BRIDGE
 --- RETAINING WALL
 --- NOISE WALL
 --- PROPOSED OR ENHANCED GREEN SPACE

HORZ 0 2.5 5.0 7.5 10.0m
 1:250

PRELIMINARY
 FOR DECISION ONLY
 SUBJECT TO DESIGN



Crowchild Trail Study - Recommended Medium-term Plan



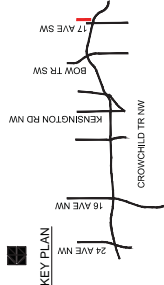
CROWCHILD TRAIL STUDY

SECTION 19 - 19
RICHMOND RD AT
17 AVE SW
EXHIBIT 5.73
2017/03/01

- Legend:**
- EXISTING GROUND
 - PROPOSED ROAD
 - PROPOSED BRIDGE
 - RETAINING WALL
 - NOISE WALL
 - PROPOSED PATHWAY / SIDEWALK
 - PROPOSED OR ENHANCED GREEN SPACE



PRELIMINARY
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Crowchild Trail Study - Recommended Medium-term Plan

