

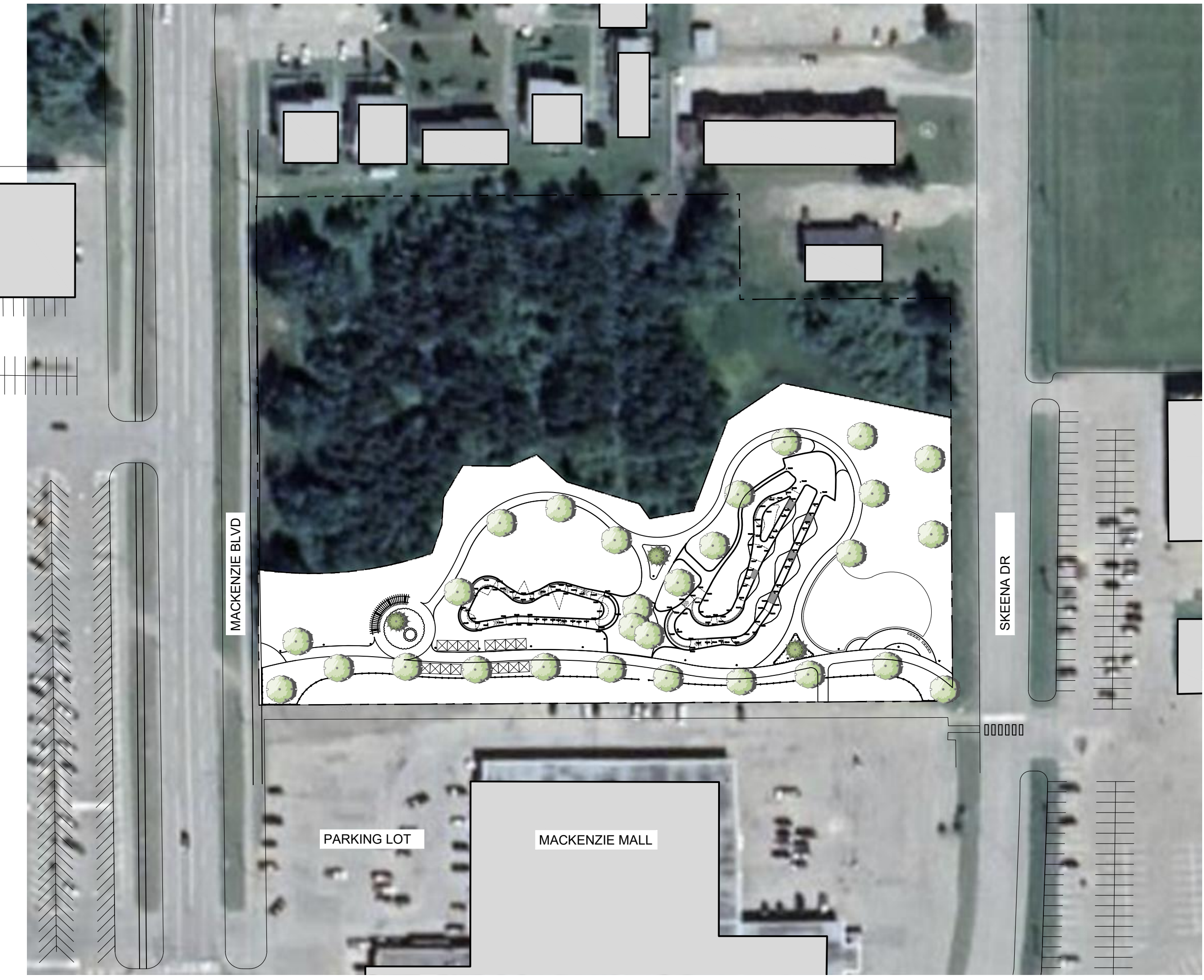
Mackenzie Bike Park

Issued for Tender

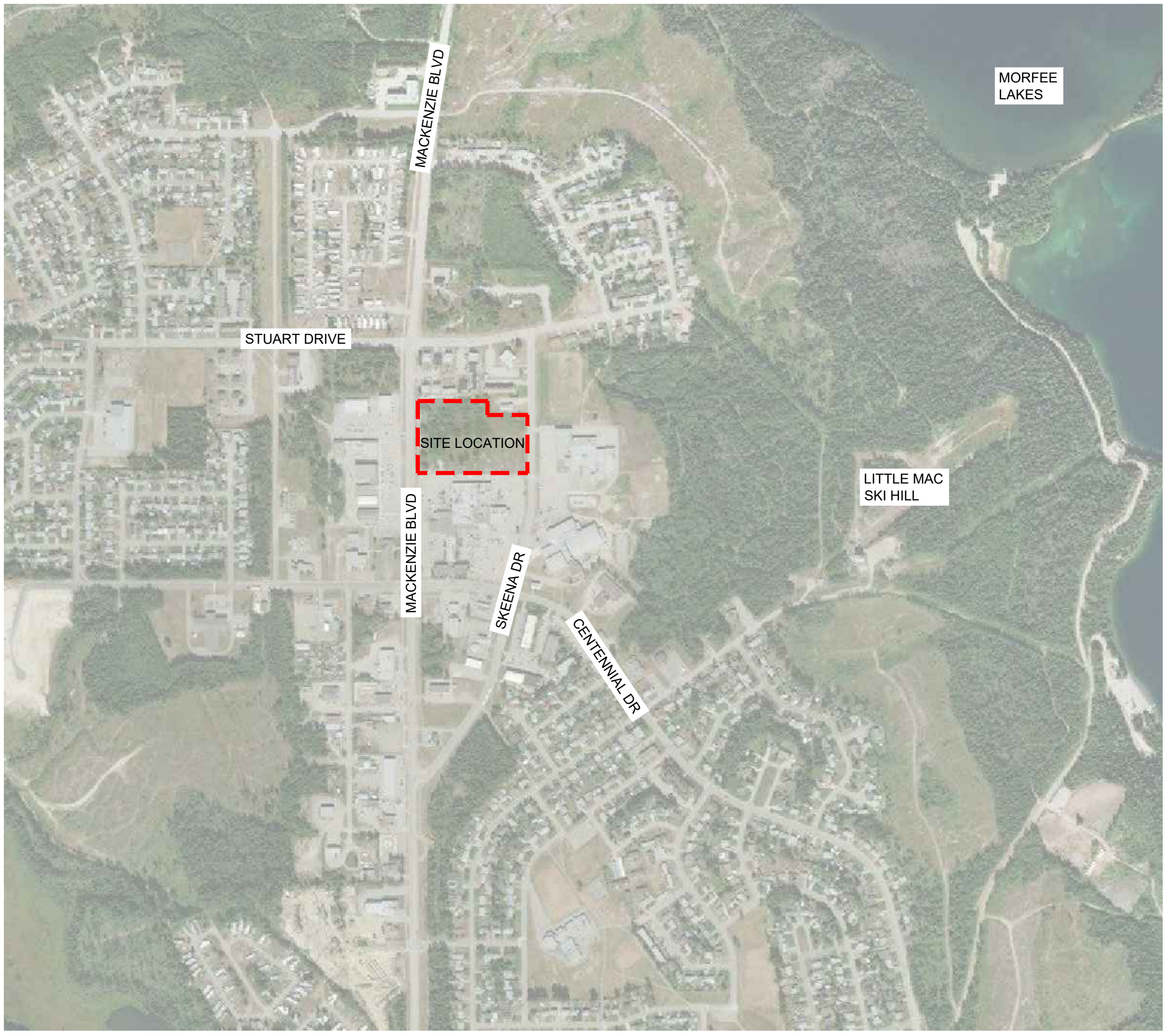
Contact Information	Other Key Contacts:
<p>VDZ+A Project Landscape Architecture</p> <p>Fort Langley Studio 100 - 9181 Church Street Fort Langley, British Columbia, V1M 2R8</p> <p>Mount Pleasant Studio 102-3535 Kingsway Vancouver, British Columbia, V5T 3J7</p> <p>Primary project contact: David Jerke Principal Landscape Architect davidj@vdz.ca o. 604 546 0921</p> <p>Alternate contacts (incase away): Mason Tierney Landscape Designer mason@vdz.ca o. 604 546 0929</p>	<p>District of Mackenzie Project Owner</p> <p>1 Mackenzie Blvd, Mackenzie, BC, V0J 2C0</p>
	Legal Address and Description:
	<p>Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664 Rem. LOT 2. PLAN 24200</p> <p>Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125</p>

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L-02B	EAST SITE PLAN
CV-01	GRADING PLAN
LS-01	SECTION
LS-02	SECTION
LD-01	DETAILS
LD-02	DETAILS
LD-03	DETAILS
LN-01	LANDSCAPE NOTES
LN-02	LANDSCAPE NOTES
B-01	BIKE PARK NOTES
B-02	BIKE PARK FEATURE PLAN
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BD-02	BIKE PARK DETAILS



1 SITE PLAN OVERVIEW
Scale 1:1000



2 LOCATION MAP
Scale NTS

No.	By	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

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Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664 Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

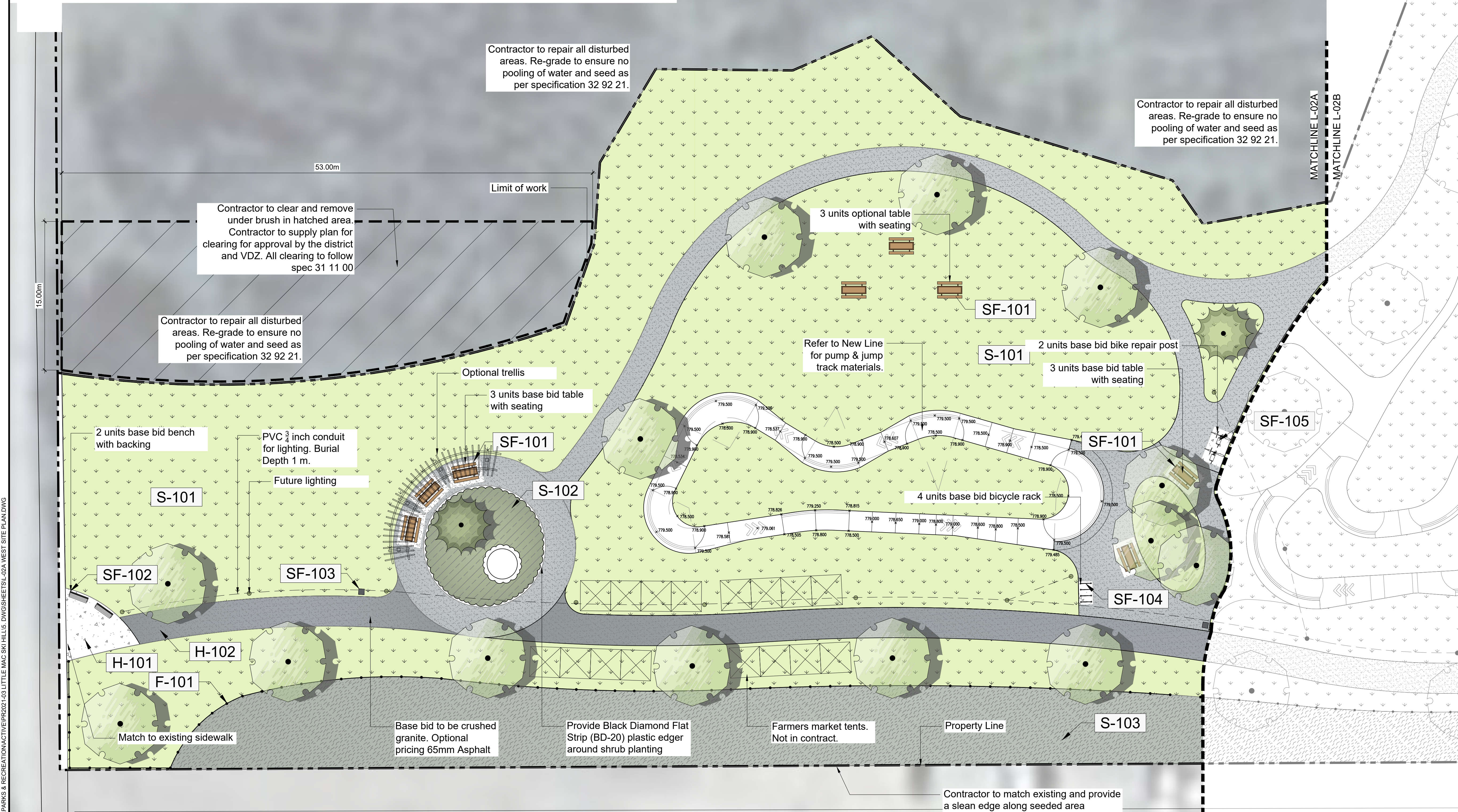
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REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY	DETAIL	
F-101	THREE RAIL FENCE	218.1 m	1/LD-03	
SYMBOL	DESCRIPTION	QTY	DETAIL	
H-101	CIP CONCRETE PATH	83.2 m ²	2/LD-01	
H-102	GRANULAR PATH	1,732 m ²	3/LD-01	
SYMBOL	DESCRIPTION	QTY	DETAIL	
S-101	SEED W/ HYDRO MULCH	8,929 m ²		
S-102	SHRUB PLANTING	136.1 m ²	4/LD-01	
S-103	LOW MAINTENANCE SEED	1,247 m ²		
SYMBOL	DESCRIPTION	QTY	DETAIL	
SF-101	MAGLIN 200 SERIES TABLE WITH SEATING	13	2/LD-02	5 IN BASE BID, 8 OPTIONAL
SF-102	MAGLIN 800 SERIES BENCH WITH BACKING	2	1/LD-02	2 IN BASE BID
SF-103	WISHBONE FREEDOM 32 TRASH RECEPTACLE	3	4/LD-02	3 IN BASE BID
SF-104	MAGLIN 500 SERIES BIKE RACK	4	6/LD-02	2 IN BASE BID
SF-105	GREENSPOKE REPAIR STATION WITH PUMP or approved equivalent	2	5/LD-02	2 IN BASE BID



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1	MT	For Review	SEP 23, 2021

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Project:
Mackenzie Bike Park

Location:
Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

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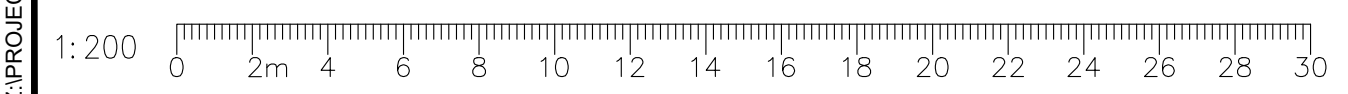
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Drawing Title:
WEST SITE PLAN

VDZ Project #:
PR2021-03

Drawing #:
L-02A

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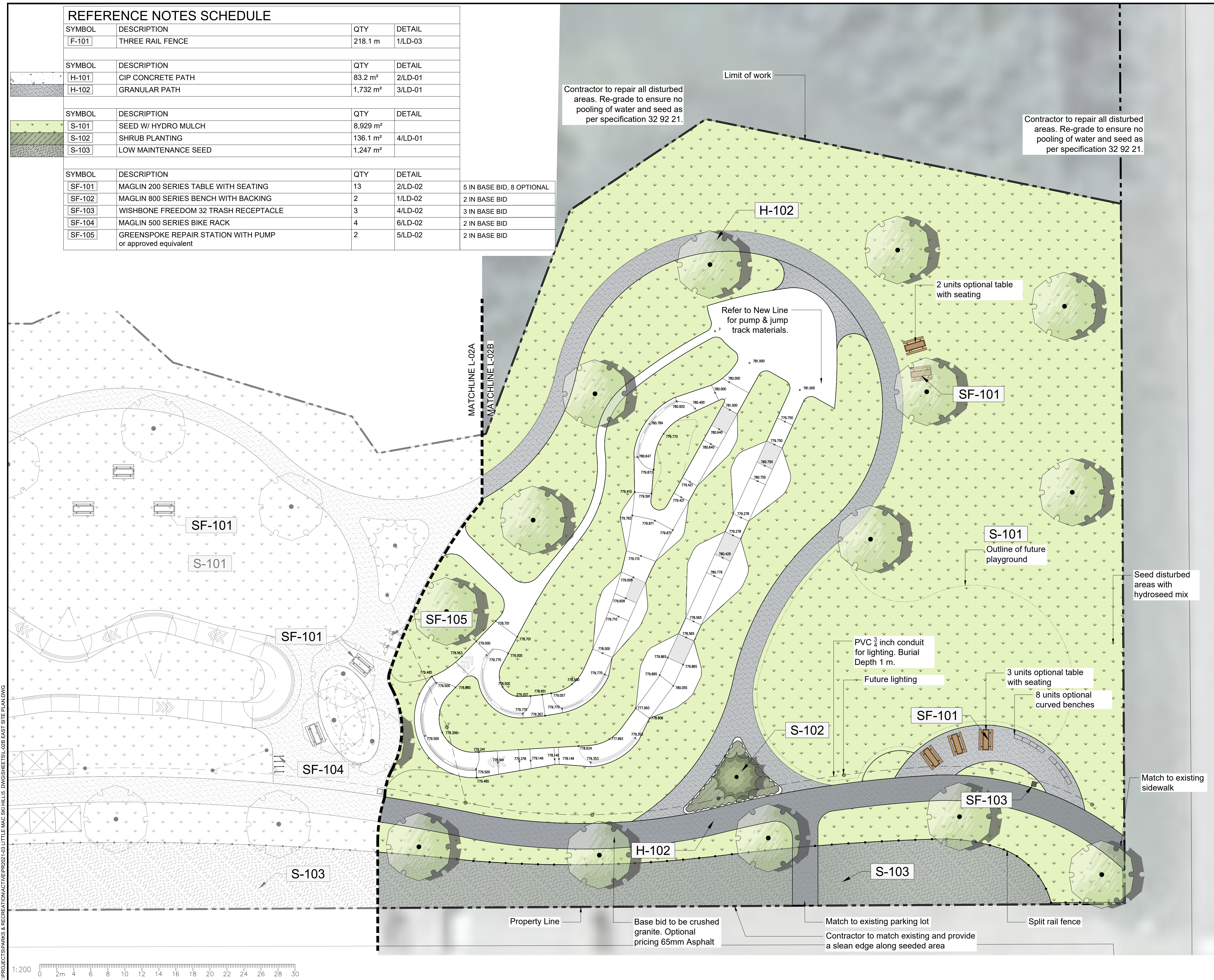


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SF-105	GREENSPOKE REPAIR STATION WITH PUMP or approved equivalent	2	5/LD-02	2 IN BASE BID

Contractor to repair all disturbed areas. Re-grade to ensure no pooling of water and seed as per specification 32 92 21.

Contractor to repair all disturbed areas. Re-grade to ensure no pooling of water and seed as per specification 32 92 21.



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Location:
Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664 Rem. LOT 2. PLAN 24200
 Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

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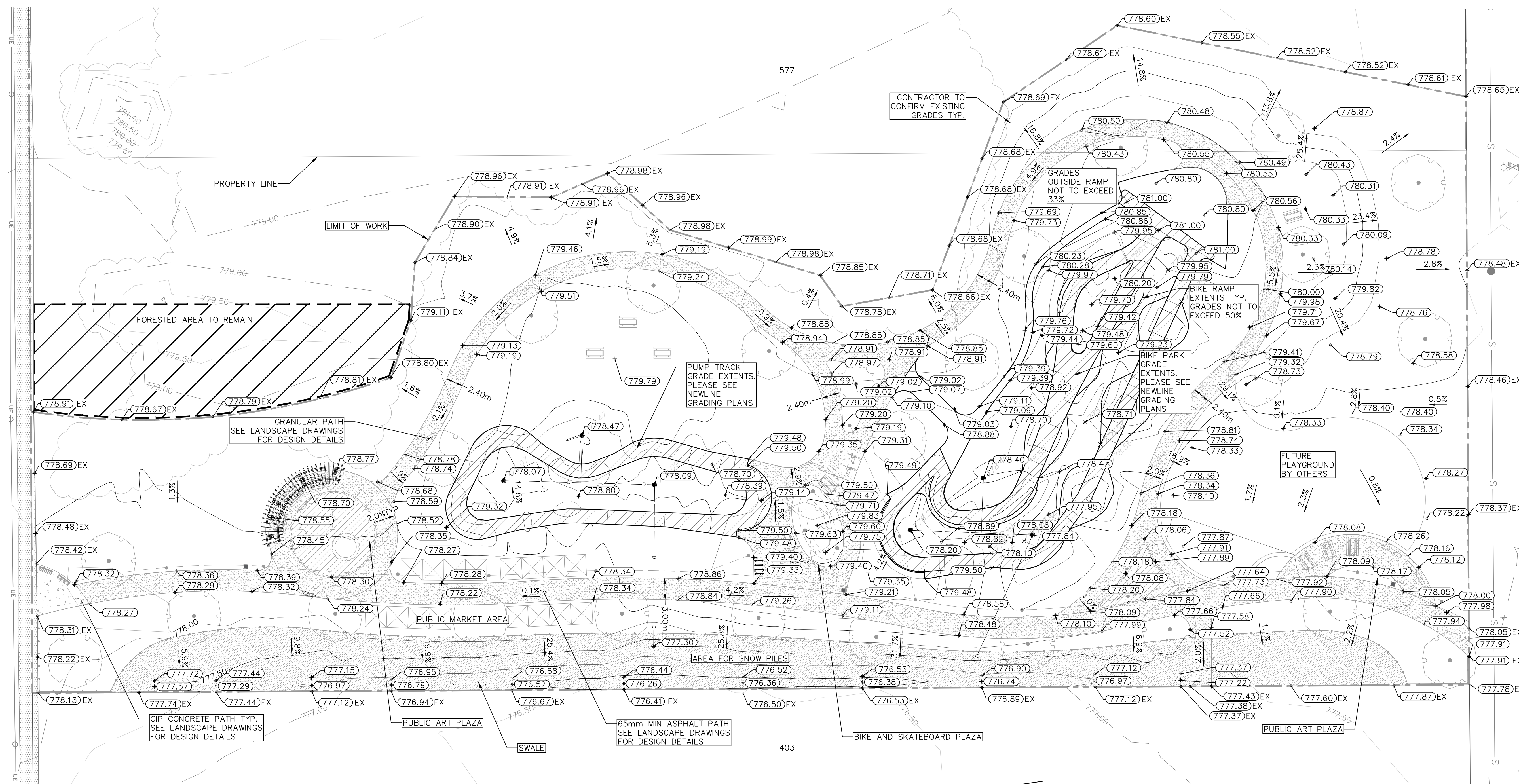
Drawing Title:
EAST SITE PLAN

VDZ Project #:
PR2021-03

Drawing #:
L-02B

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LEGEND		
EXISTING	PROPOSED	DESCRIPTION
—	—	SANITARY SEWER
—	—	FINISHED GROUND ELEVATION
—	—	EXISTING GROUND ELEVATION
—	—	CURB & GUTTER
—	—	SIDEWALK
—	—	COMMUNICATIONS
—	—	UNDERGROUND ELECTRICAL
—	—	UTILITY POLE
—	—	CONTOUR
—	—	STREETLIGHT
—	—	HYDRANT
—	—	DITCH/WATERCOURSE



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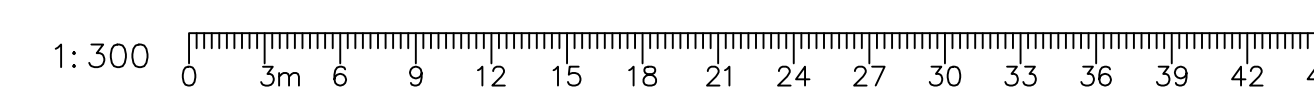
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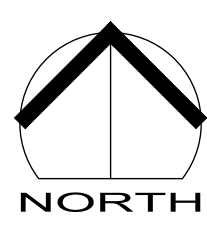
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Checked: MT	
Approved: TW	
Scale: 1:300	Original Sheet Size: 24"x36"

CONTRACTOR TO TEST PIT IN ORDER TO CONFIRM ALL LOCATIONS, DEPTHS, AND TYPE OF SERVICE PRIOR TO ORDERING MATERIALS.
 CONTRACTOR TO CONTACT TELUS, BC HYDRO, FORTISBC, AND BC ONE CALL PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT



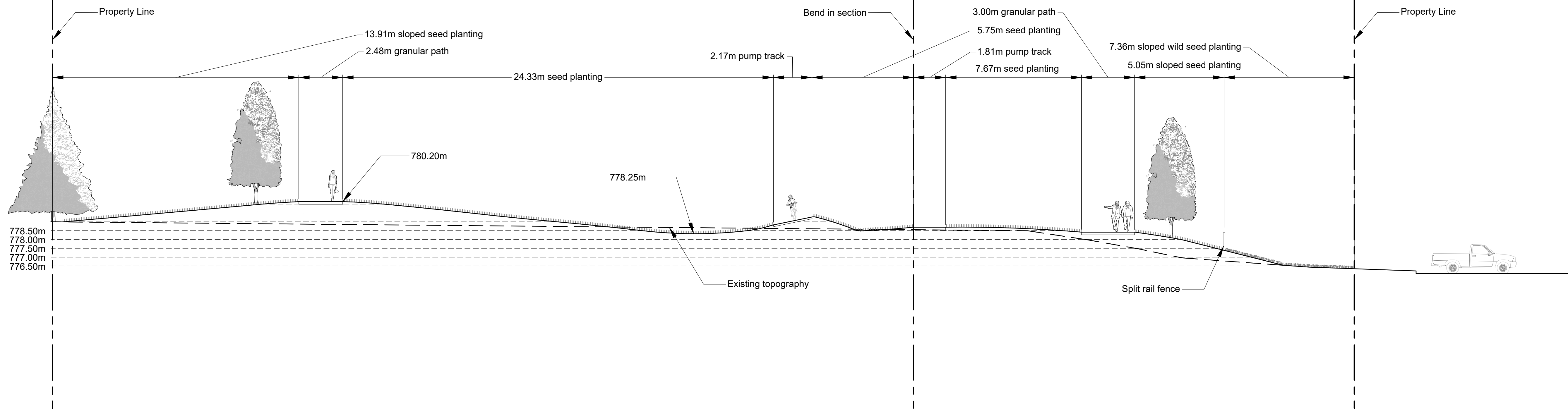
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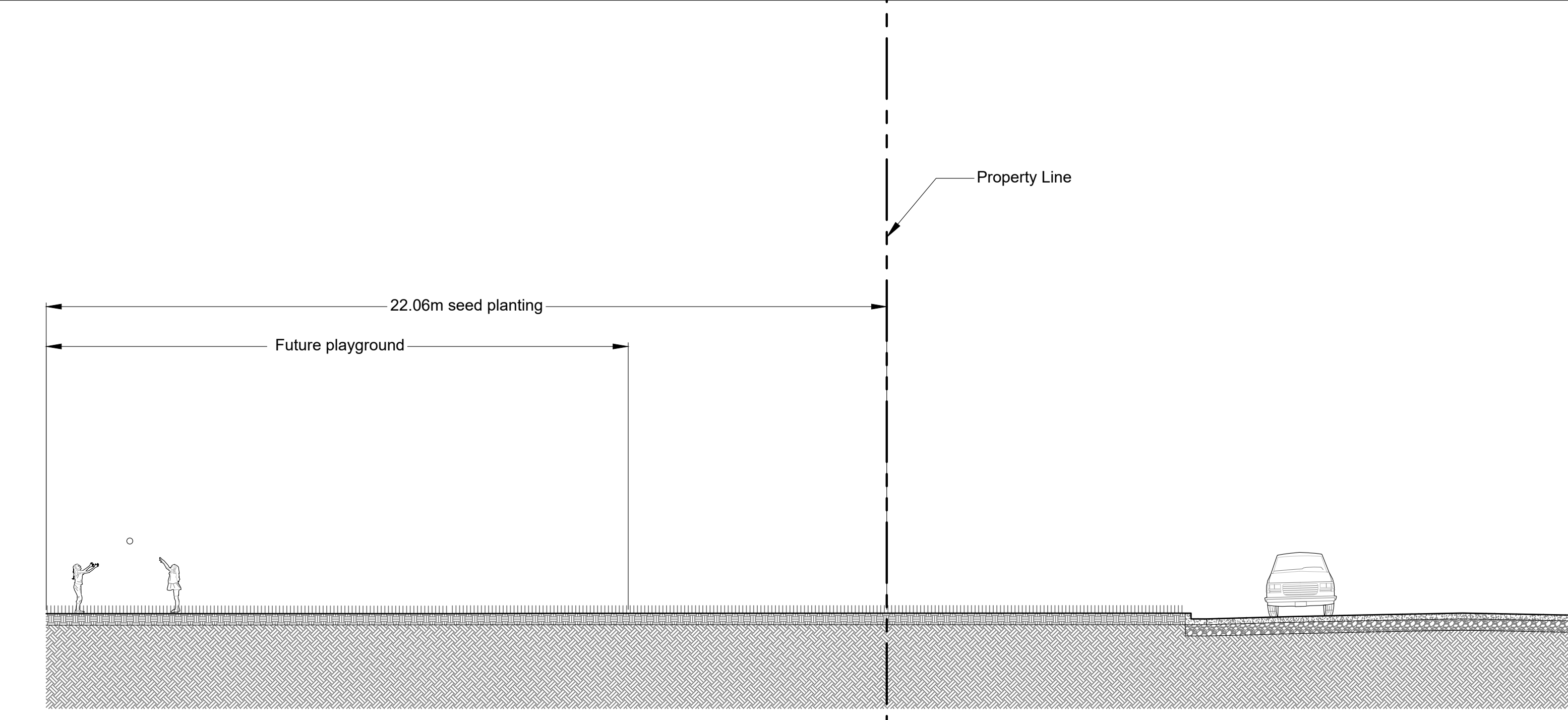


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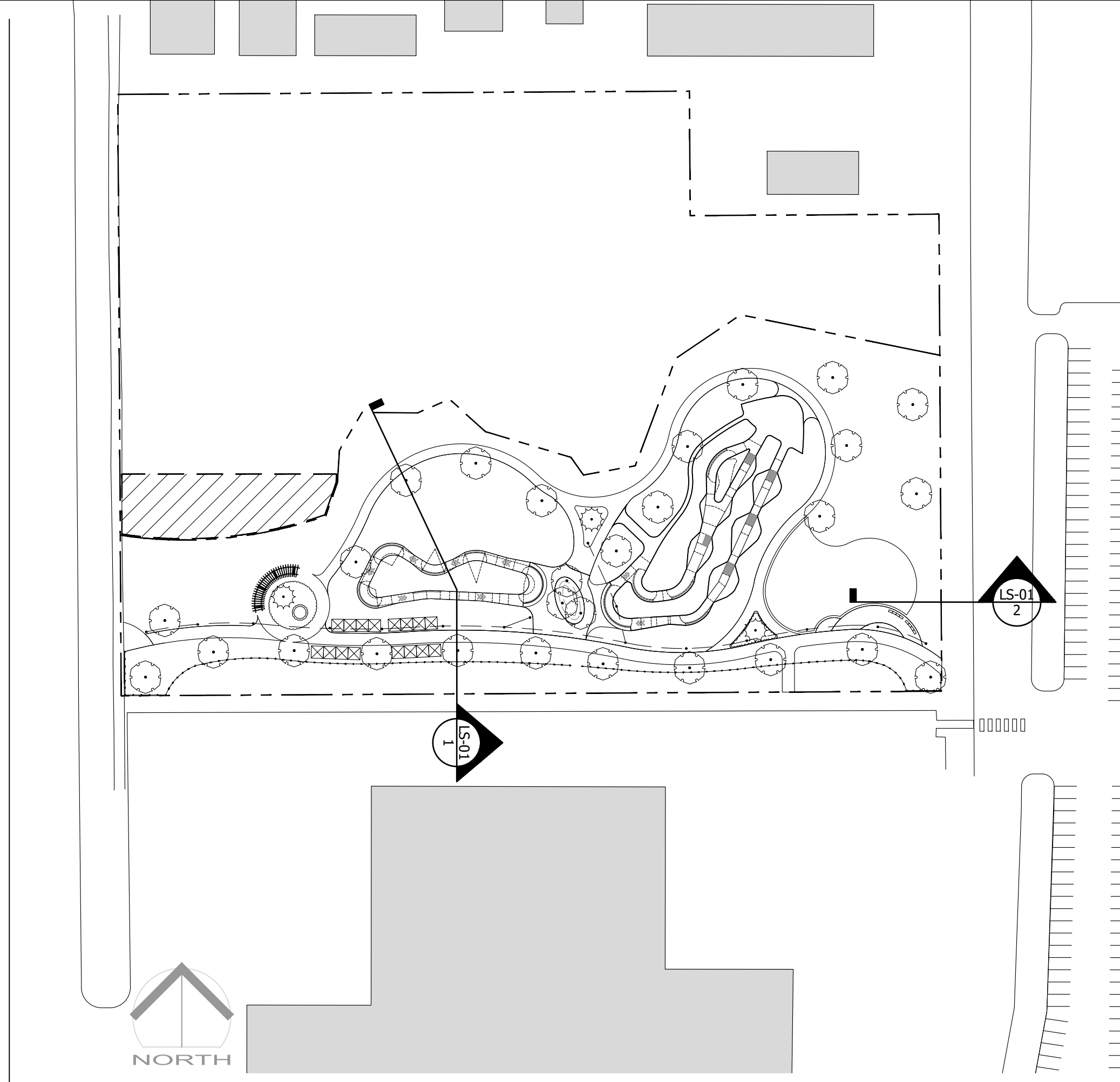
Drawing #:
CV-01



1 SECTION 1: THROUGH BERMED GRASS BANK AND PUMP TRACK
 Scale 1:125



2 SECTION 2: EAST-WEST THROUGH SKEENA DRIVE
 Scale 1:100



3 KEY PLAN
 Scale 1:1000

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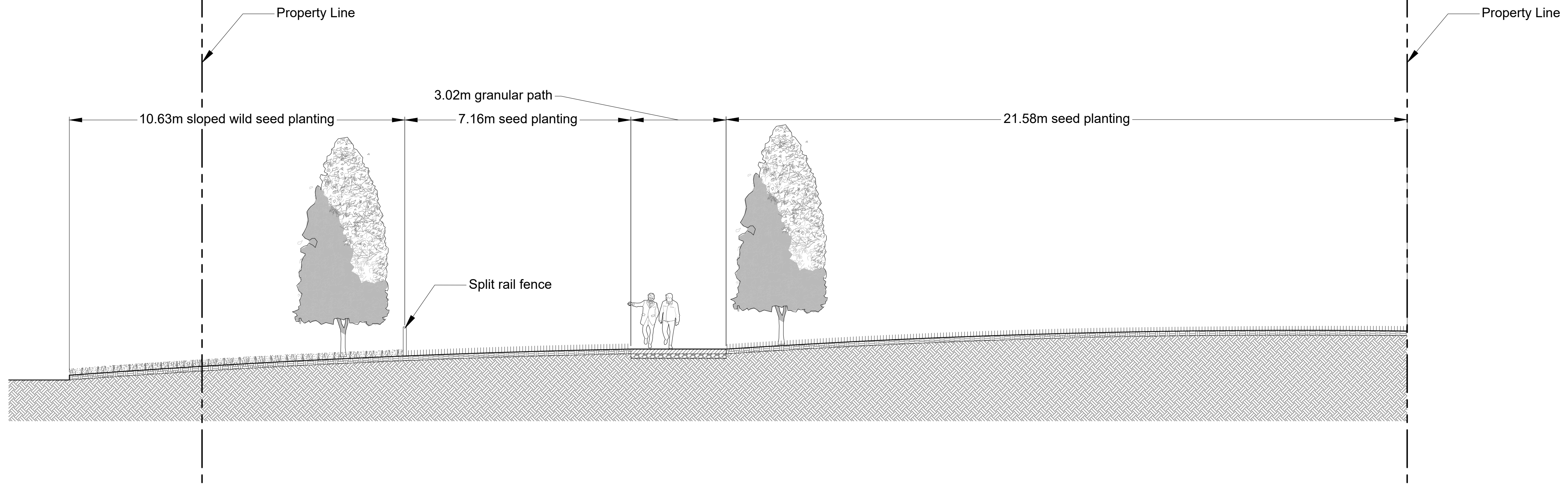
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 Rem. LOT 2. PLAN 24200
 Lot 2 Plan PGP24200 District Lot
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 27125 EX PL 27125

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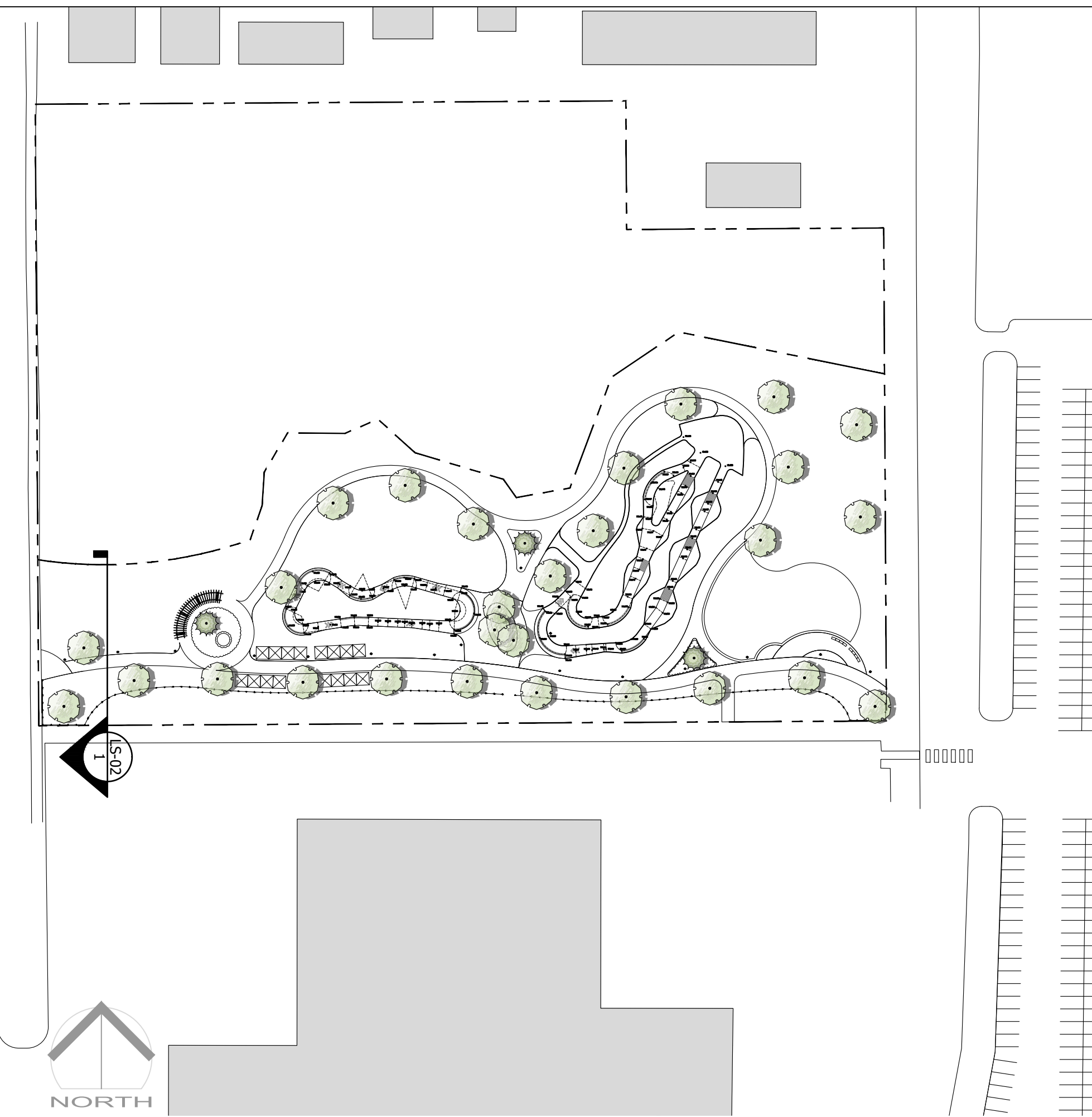
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Drawing Title: SECTION
 Drawing #: LS-01
 VZD Project #: PR2021-03

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1 SECTION 1: NORTH-SOUTH THROUGH WEST ENTRY
 Scale 1:75



2 KEY PLAN
 Scale 1:1000

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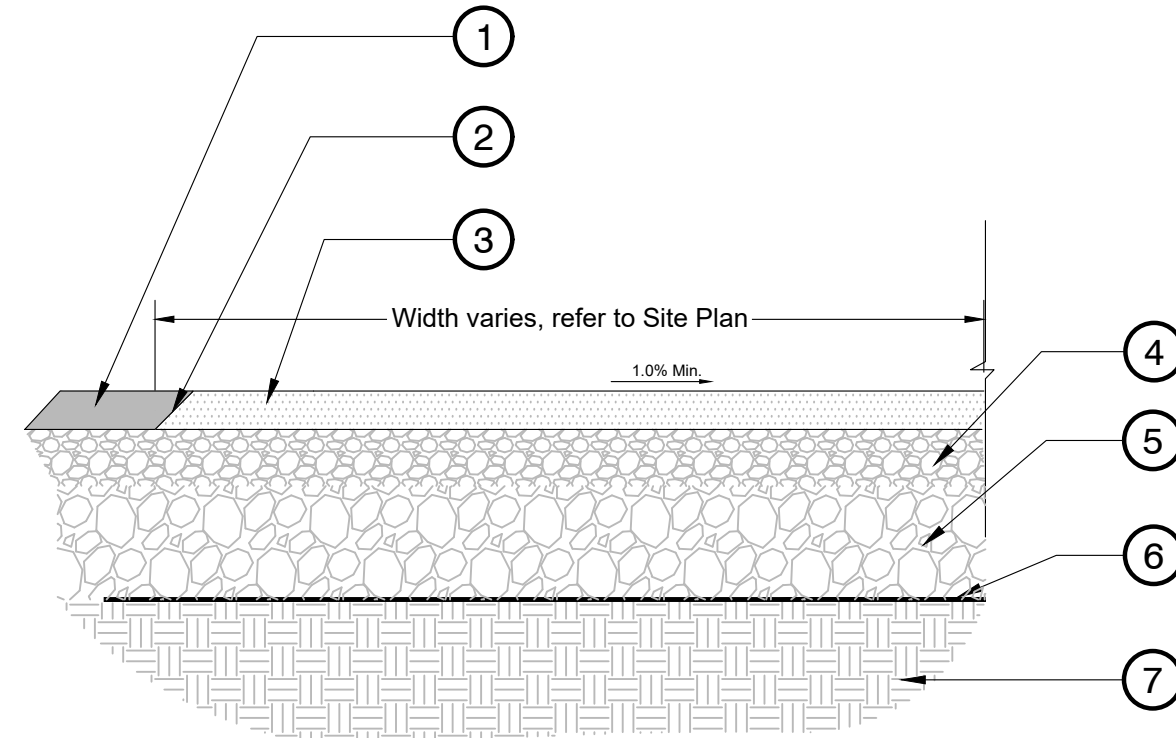
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 Lot 2 Plan PGP24200 District Lot
 12463 Land District 05 Except Plan
 27125 EX PL 27125

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Approved: DJ	Original Sheet Size: 24"x36"
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Drawing Title: SECTION
 VZ Project #: PR2021-03
 Drawing #: LS-02

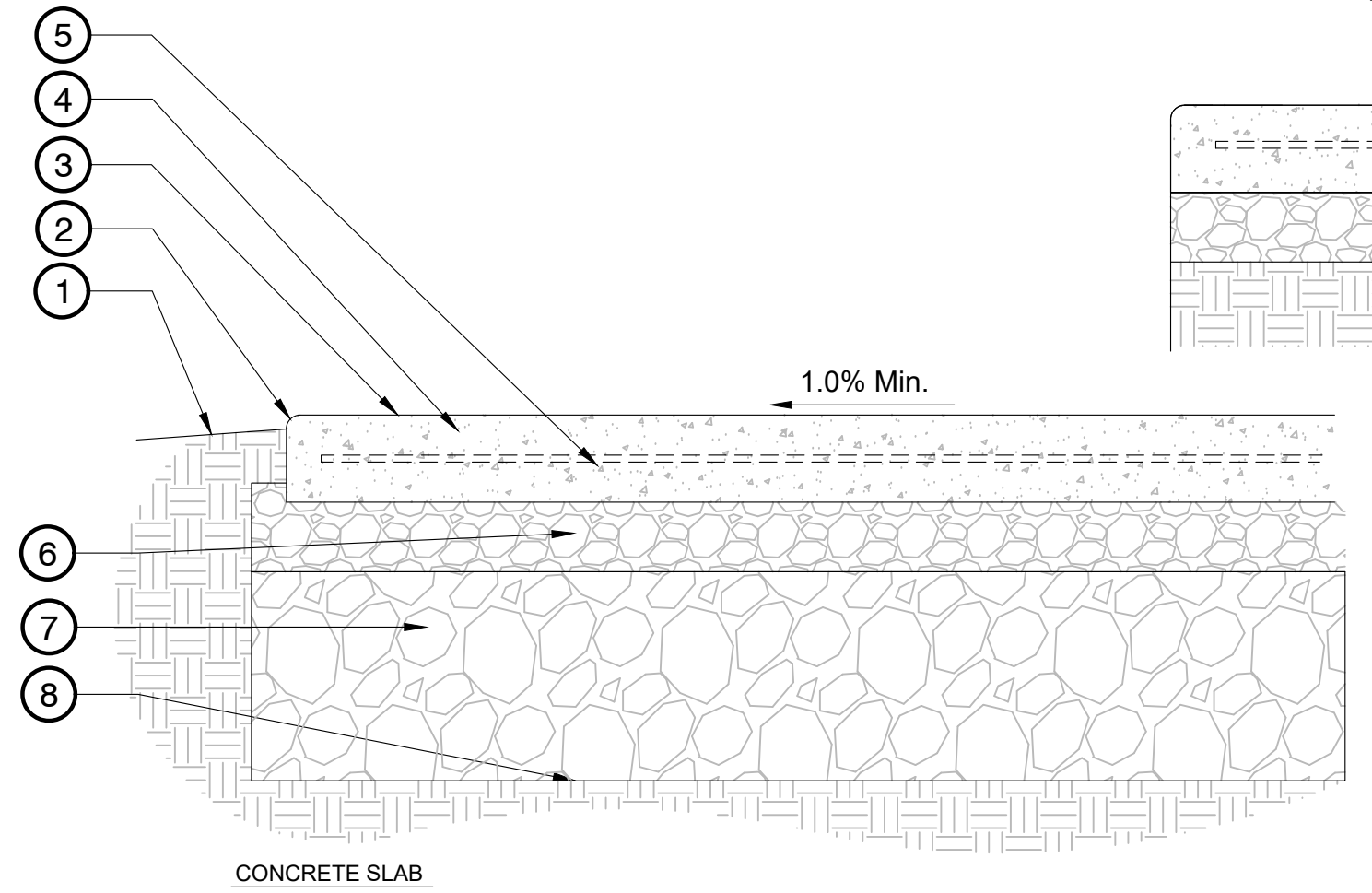
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- 1 Adjacent surface. Refer to Site Plan
- 2 45 degree beveled and hand tamped asphalt edge. Top of beveled edge not to vary more than 20mm along straightedge (typical both sides of pathway)
- 3 65mm min. upper Asphalt course #1 (MMCD). Install as per specifications
- 4 Base course under asphalt to be 150mm min, 20mm minus gravel compacted to 95% M.P.D., typ. Refer to Geotechnical Report.
- 5 Select Granular Subbase to be 300mm, 75mm minus compacted to 95% M.P.D., typ. Refer to Geotechnical Report.
- 6 Extend polyethylene / non-woven fabric weed barrier 200mm beyond asphalt edge, typ.
- 7 Subgrade compacted (95% M.P.D.), typ.
- 8 Cut and match existing asphalt. Ensure new asphalt is flush with existing asphalt
- 9 Concrete, paving as per specifications. Ensure surfaces meet flush
- 10 Lawn, as per specification



Note:
 1. Excavate all organics to a minimum of 150mm to sub-grade prior to placement of weed barrier and base course.
 2. Where asphalt path is constructed over utility services such as sewer, storm or water trails, path must be constructed to highway loading standard as per MMCD guidelines.
 3. Contractor to ensure constant radial curves along pathway.

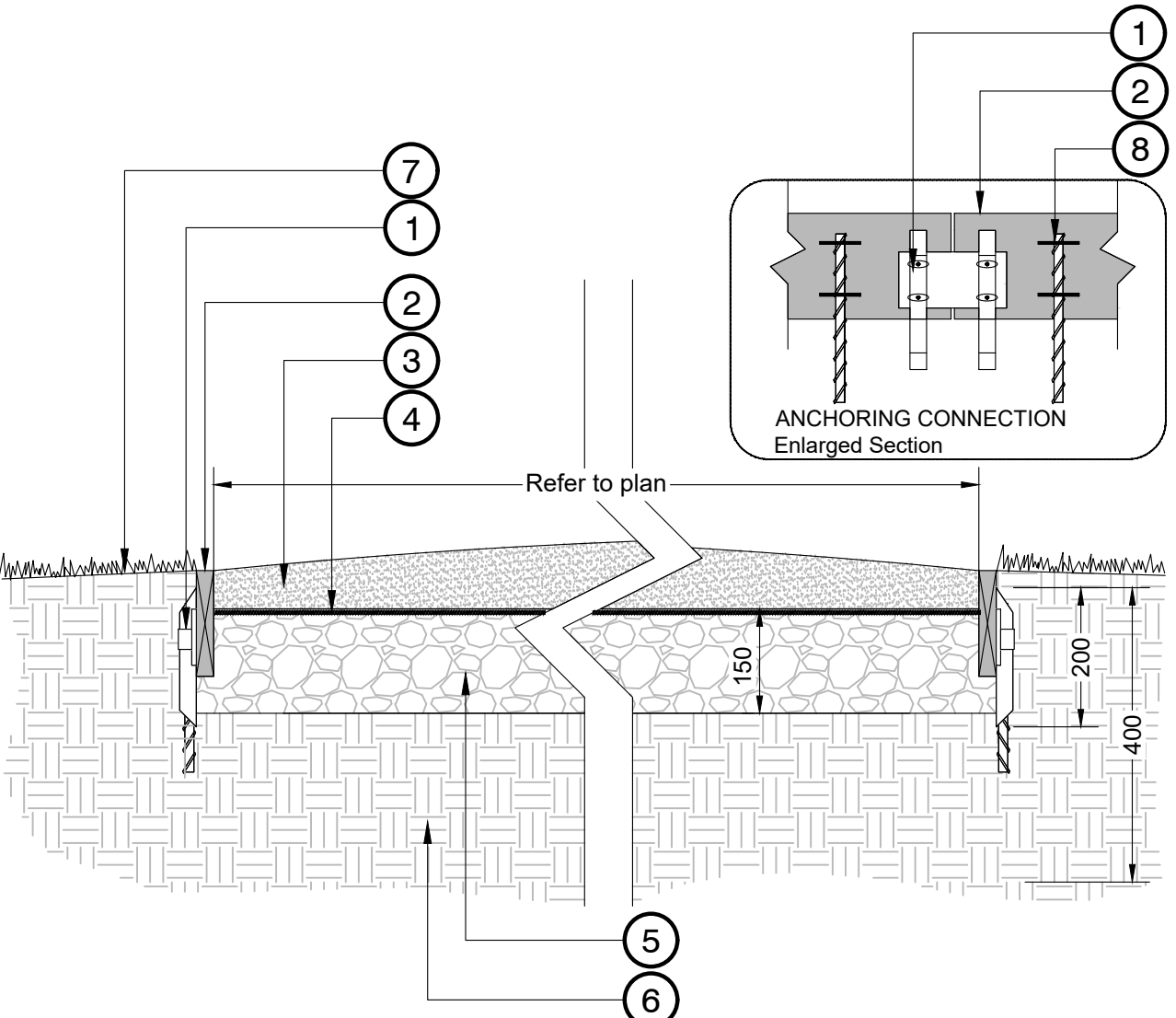
1 ASPHALT PATH TYPICAL - MAIN PARK PATH ONLY
 1:20



- 1 Slope away from concrete slab
- 2 20mm rounded edge - typical
- 3 Concrete Finish - Refer to plans
- 4 Concrete slab - Refer to plans and notes for thickness and specification
- 5 6 gauge 4" x 4" wire mesh chaired and centered in slab. Consultant to inspect mesh and form work prior to pouring.
- 6 Compacted aggregate subgrade (19mm minus). Compacted to 95% MPD. Depth to be minimum 100mm. Refer to Geotechnical Report.
- 7 Select Granular Subbase to be 300mm, 75mm minus compacted to 95% M.P.D., typ. Refer to Geotechnical Report.
- 8 Compacted sub grade 95% MPD
- 9 Zip Strip control joint or approved equal. Layout to be as per plan or at a maximum spacing of 9.0M O.C. in both directions.
- 10 Refer to concrete slab for slab and subgrade information
- 11 Sawcut control joint to be 1/4 depth of slab. All sawcuts to be chalked prior to cutting. Layout to be reviewed by landscape architect. Sawcuts to be spaced at a maximum of 3.0M in both directions.
- 12 Tooled control joint to 1/4 depth of slab. Tool joint locations to be confirmed with landscape architect prior to pouring.
- 13 5/8" Speed dowel by Sika or approved equal. For dowels into existing slabs contractor to use heavy duty grout to secure speed dowels in existing slab.

Notes:
 1. Contractor to provide expansion joints where concrete meets all vertical structures.
 2. All components as specified or approved alternate.
 3. Concrete to slope to drain.
 4. Concrete mixture and installation to be as per landscape notes and specifications

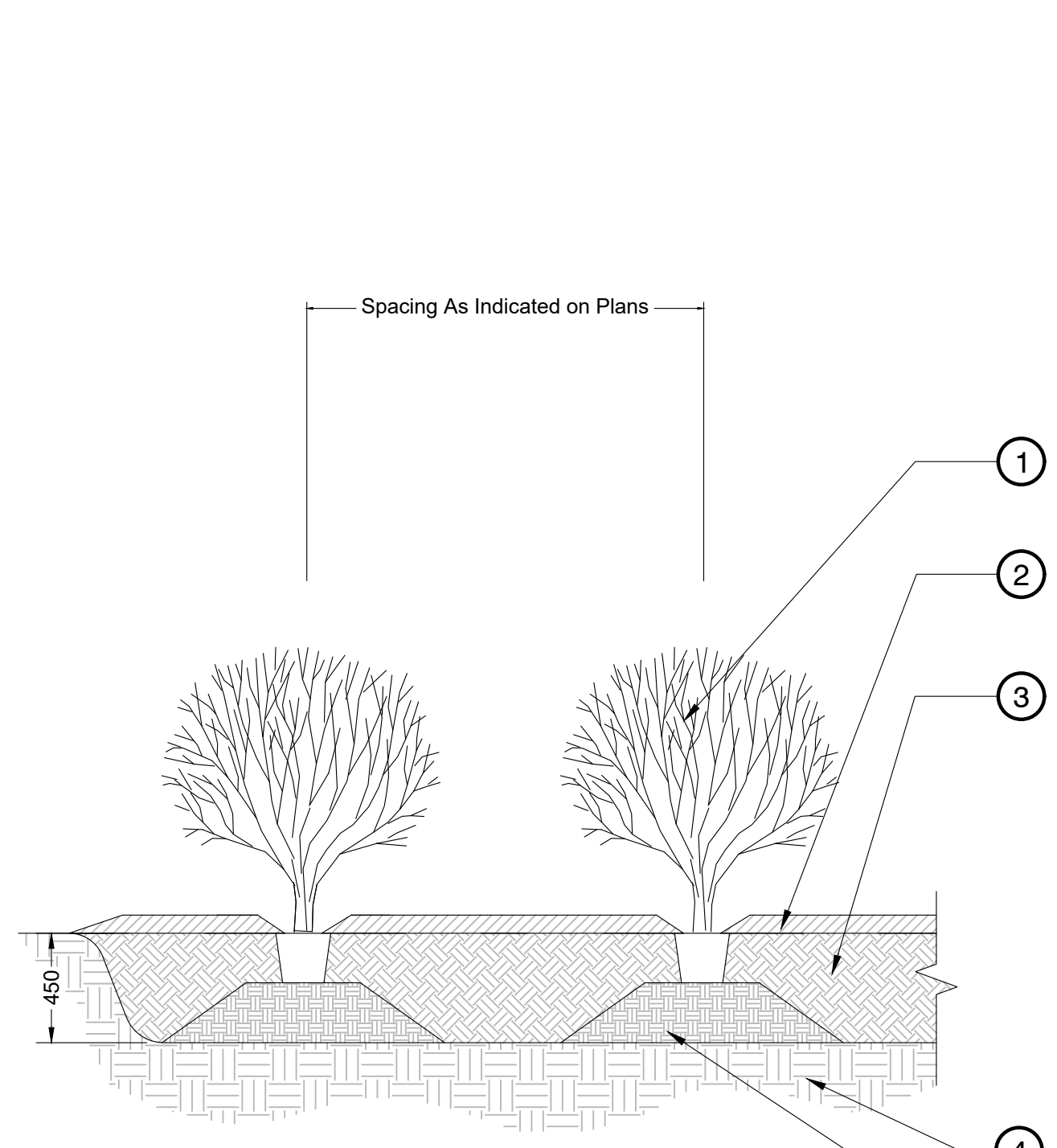
2 CONCRETE SLAB - WIRE MESH
 1:10



- 1 Anchoring spike (min 200mm long) every 1000mm O.C. attached to Perma-Deck edge (or approved equal) with galvanized connector edge plate (with oblong nail holes for expansion and vertical spike holder) 100mm long galvanized nails.
- 2 Perma-Deck edge (or approved equal).
- 3 100mm crushed granite (9mm minus). Material to be crowned, wetted and rolled. Contractor to confirm no potholes.
- 4 Non-woven landscape fabric.
- 5 Select Granular Subbase to be 150mm, 75mm minus compacted to 95% M.P.D., typ. Refer to Geotechnical Report.
- 6 Existing subgrade compacted to 95% MPD.
- 7 Slope away from path.
- 8 #4 Rebar stakes with galvanized heavy duty staples min 400mm long and staked at 1m spacing.

NOTES:
 - Contractor to provide 1L sample of crushed granite material for approval by Landscape Architect prior to installation.
 - Ensure top of edge board meets flush with crushed granite.
 - Minimum 2% cross slope to path.
 - Leave 15mm gap between boards at time of installation.

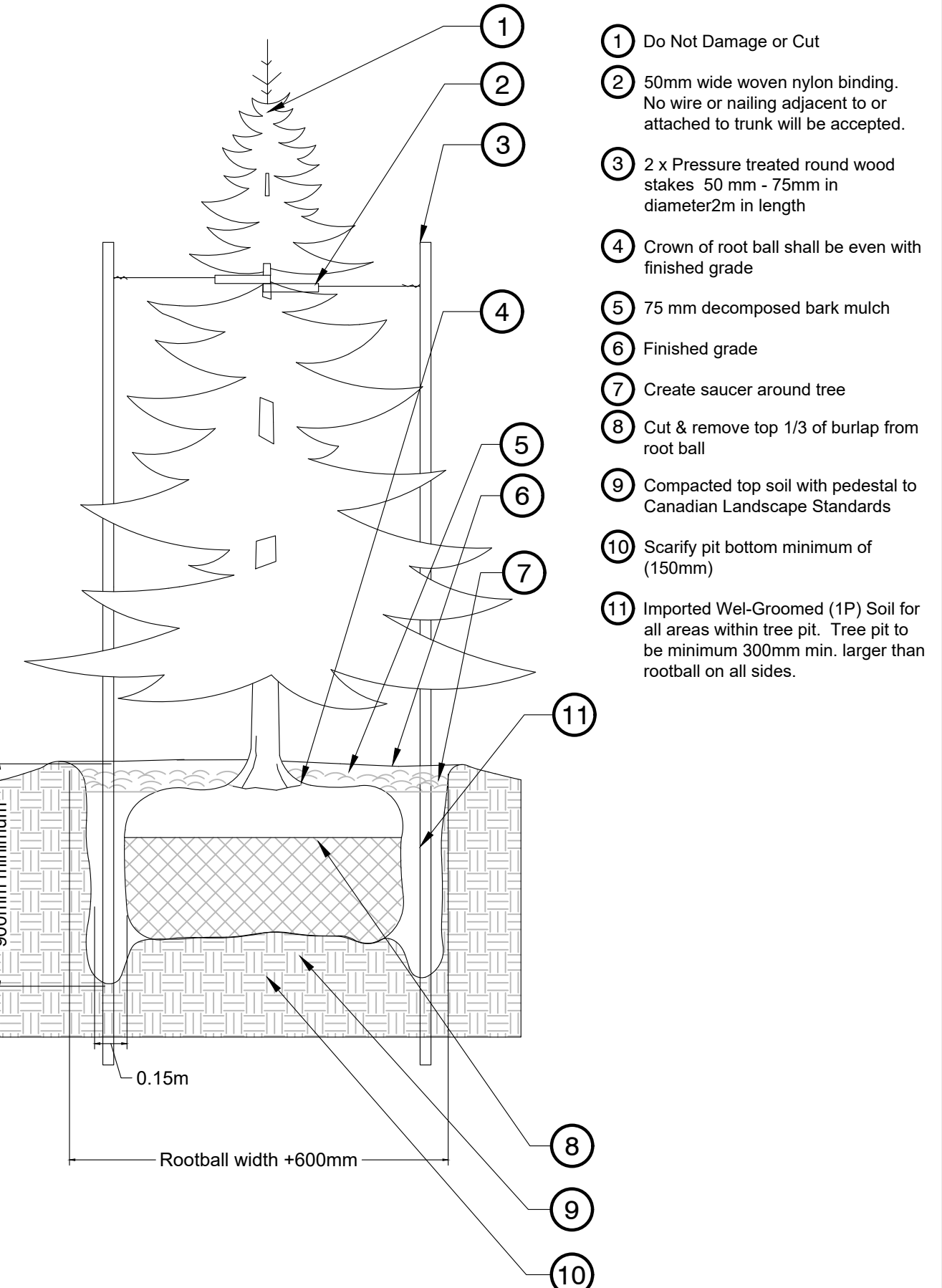
3 CRUSHED GRANITE PATH
 1:10



- 1 Prune plant to remove dead or broken branches
- 2 Decomposed Bark Mulch - 75mm min.
- 3 450mm deep Gently Compacted Topsoil Mixture to Canadian Landscape Standard: 1P "Well Groomed" soil
- 4 Compacted Sub Base
- 5 Compacted soil imported pedestal

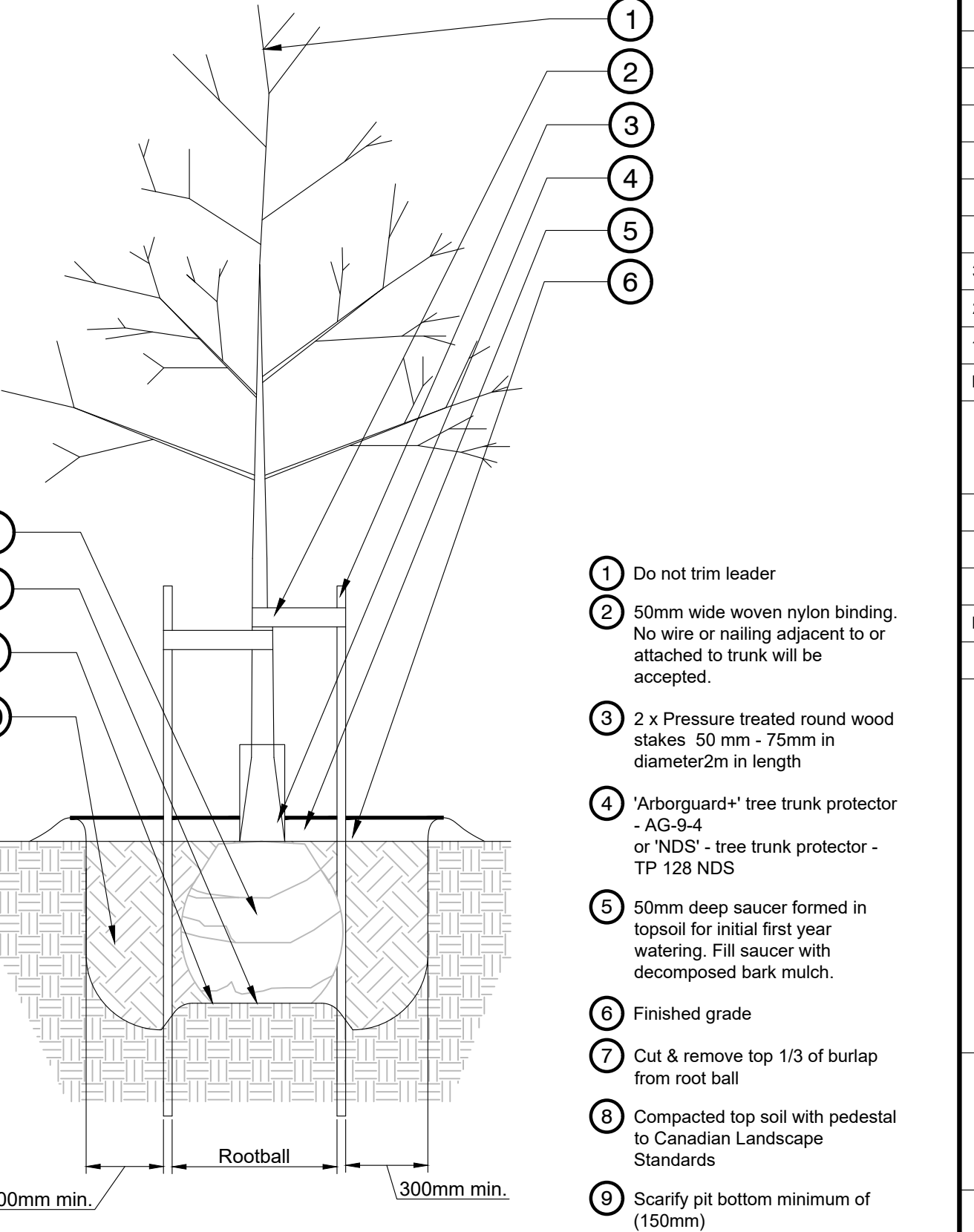
NOTES:
 1. Remove all string, twine, pots, tags from plant.
 2. All soil, mulch and plant material to meet latest Canadian Landscape Standard.
 3. Topsoil saucers diameter to be 1.5X diameter of plant container.
 4. Planting all bed edges to be set back from edge the O.C. spacing on plan.
 5. All bed edges to have clean, cultivated edge.

4 SHRUB PLANTING
 1:25



Notes:
 1. Do not damage main roots or destroy root ball when installing tree stake.
 2. Water thoroughly after installation
 3. Remove tree rings and stakes two years after installations
 4. Provide drainage for planting pit in impermeable soil.

5 TREE PLANTING - CONIFEROUS TREE
 1:25



Notes:
 1. Do not damage main roots or destroy root ball when installing tree stake.
 2. Water thoroughly after installation
 3. Remove tree rings and stakes two years after installations
 4. Provide drainage for planting pit in impermeable soil.

6 TREE PLANTING - DECIDUOUS TREE
 1:25

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Checked:			
DJ			
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AS SHOWN			

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800 SERIES

MBE-0870-00011
Legacy # MLB870-PCC

MATERIALS: Bench ends are made from solid cast aluminum. The seat employs high density paper composite (HDPC) slats - Charcoal color.

FINISH: All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces.

INSTALLATION: The bench is delivered pre-assembled. Holes (0.5") are provided in each foot for securing to base.

TO SPECIFY: Select MBE-0870-00011
Choose:
- Powdercoat Color

HEIGHT: 32.2" (81.7cm) LENGTH: 69.5" (176.5cm) DEPTH: 24.4" (62.1cm) WEIGHT: 118.77lbs (53.9kg)

MAGLIN
Site Furniture

1-800-716-5506
P. 877-260-5193
www.maglin.com
sales@maglin.com

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Details and specifications may vary due to continuing improvements of our products.

Color: Charcoal
Product #: MBE-0870-00011
Supplier #: 1-800-716-5506

1 BENCH WITH BACKING
1:20

1 450mm min concrete border to sides and back

2 900mm border to front

3 Refer to landscape concrete detail

LAYOUT PLAN

200 SERIES

MTB-0210-00031
Legacy #MLPT210-S-RG

MATERIALS: Table frame is made from 3" x 2.3/8" structural I-Beam with mitered corners. Horizontal support beams are used for superior stability and structural integrity. Surface material is recycled plastic - Grey color.

FINISH: All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces.

INSTALLATION: The table is delivered pre-assembled. Holes (0.5") are provided for securing to base.

TO SPECIFY: Select MTB-0210-00031
Choose:
- Powdercoat Color

HEIGHT: 29.75" (75.6cm) LENGTH: 70" (177.8cm) DEPTH: 66.5" (168.9cm) WEIGHT: 385.39lbs (174.8kg)

MAGLIN
Site Furniture

1-800-716-5506
P. 877-260-5193
www.maglin.com
sales@maglin.com

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Details and specifications may vary due to continuing improvements of our products.

Color: Charcoal
Product #: MTB-0210-00031
Supplier #: 1-800-716-5506

2 TABLE WITH SEATING
1:20

1 Min 900mm concrete surround table

2 Refer to Landscape concrete detail

LAYOUT PLAN

OGDEN

OGM1900-SCR9

MATERIALS: The seat pan is constructed from steel. The seat employs solid wood. Thermally Modified Ash wood, HDPE (plastic), or HDPC (paper composite) slats. Thickness: 1/2" Thermally Modified Ash, 1/2" HDPE 1", HDPC 1 1/4"

FINISH: All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces.

INSTALLATION: The seat sections come pre-assembled with slats. Mount options come as a separate component. Reference: INSTALLATION (MS1_OGM1900) document for onsite assembly and installation instructions.

TO SPECIFY: Please contact your Maglin Site Furniture Representative.

SQUARE LEG - MS1
FRONT TO BACK SLATS (FB)
PEDESTAL LEG - MS2
LEFT TO RIGHT SLATS (LR)
CANTILEVER - MS3
WALLMOUNT - MS4

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Materials: HDPE Charcoal
Leg type: Square
R1: 11.50m
R2: 11.04m
Slat type: Long

3 CURVED BENCH
1:10

Wishbone site furnishings

FREEDOM 32 ANIMAL RESISTANT INCLUDING BEARS
Model Number: FFB-32 All Metal Design
HFB-32S All Metal With All Panel Insert Option
HFB-32S All Metal With Recycled Plastic Sliding (as shown)

PRODUCT SPECIFICATIONS
100% Recycled Plastic Slats
Durable Powder Coated Galvanized Steel Frame
Available colours: Neublitz Galvalume Blue, Forest Pewter, Semi-Gloss Black
Long Lasting Stainless Steel Hardware
Easy Access Front opening
"Hands Free" foot pedal operation
Keyless hidden door latch system
Surface Mount

DESIGNER NOTES
The Freedom 32 Animal Resistant (Including Bears) Waste Receptacle improves on several traditional designs in the market by focusing more attention on ease of use, aesthetics, and maintenance. It has gone through extensive testing and has received official bear proof accreditation, certified by "Living With Wildlife Foundation".

CUSTOMIZED SOLUTIONS
Custom Powder Coating (Setup Charges May Apply)
24" x 30" Concrete Pad
Bottle and Can Recycler
Side Afters
Banner Advertising on Side Panels
Winter / Summer Modification Package
Stainless steel boot down kit

PRODUCT DIMENSIONS
Total Height: 43 inches / 1090mm
Width: 23 inches / 585mm
Depth: 32 inches / 815mm
Capacity: 32 Gal / 120L
Weight: 200 lbs / 91kg

RECYCLED CONTENT
21% RECYCLED CONTENT BY WEIGHT
100% RECYCLABLE

AVAILABLE RECYCLED PLASTIC LUMBER COLOURS
Grey, Redwood, Oak, Walnut

100% Canadian Made

Wishbone Ltd. provides an extended 10 year limited warranty from the date of purchase.
Visit Us online at www.wishbonnetid.com

Wishbone Site Furnishings | #218-27090 Gloucester Way | Langley, BC CANADA V4W 3Y5
1.866.626.0476 sales@wishbonnetid.com

Recycled plastic color: Walnut
Steel color: Semi-gloss black
Mounting: Surface mount

1 Refer to Landscape concrete detail

4 BEAR SAFE GARBAGE RECEPTACLE
1:20

Model: RP-VS Bike Repair Post with Integral Pump
Colour: RAL6018 GS Green
Mounting: Surface Mounted
Manufacture: Green Spoke 1866 484 1031

1 Refer to Landscape concrete detail

5 BIKE REPAIR POST
1:10

500 SERIES

MBR-0500-00003
Legacy #M18500-S

Sustainability Facts
100% Recycled Steel
100% Recycled Plastic Slats
100% Recycled Steel Hardware
100% Recycled Steel Frame
100% Recycled Steel Base
100% Recycled Steel Chain
100% Recycled Steel Tools

DESCRIPTION: 500 Series - 500 Bike Rack H.S. Steel Tube, Surface Mount, 2 Bike Configuration

FINISH: All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces.

INSTALLATION: The bike rack is delivered pre-assembled. It is available with either a surface mount or direct burial installation option.

TO SPECIFY: Select MBR-0500-00003
Choose:
- Powdercoat Color

HEIGHT: 30" (762mm) LENGTH: 18.25" (463mm) WEIGHT: 13.27 lbs (6.0kg)

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Site Furniture

1-800-716-5506
P. 877-260-5193
www.maglin.com
sales@maglin.com

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Color: Light grey
CUT SHEET

LAYOUT PLAN

6 BIKE RACK
1:20

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

REVISIONS TABLE FOR DRAWINGS

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No.	By:	Description	Date

Project: Mackenzie Bike Park
Location: Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664 Rem. LOT 2. PLAN 24200
Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MT BF	Stamp:
Checked: DJ	Original Sheet Size: 24"x36"
Approved: DJ	
Scale: AS SHOWN	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REVISIONS AND APPROPRIATE DRAWINGS MUST NOT BE Priced FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

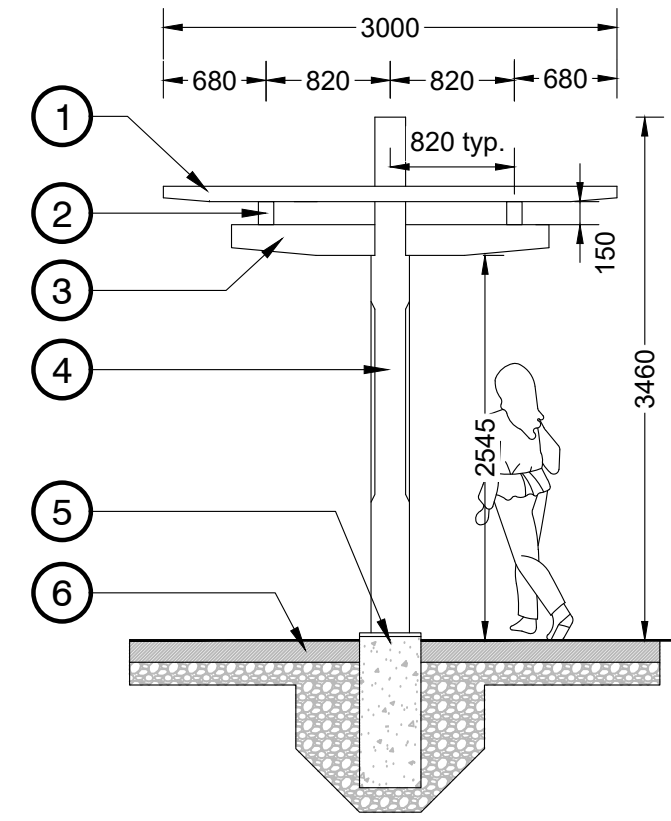
Z:\PROJECTS\PARKS & RECREATION\ACTIVE\PR2021-03\LITTLE MAC SKI HILLS DWG\SHEETS\LD-02 DETAILS.DWG



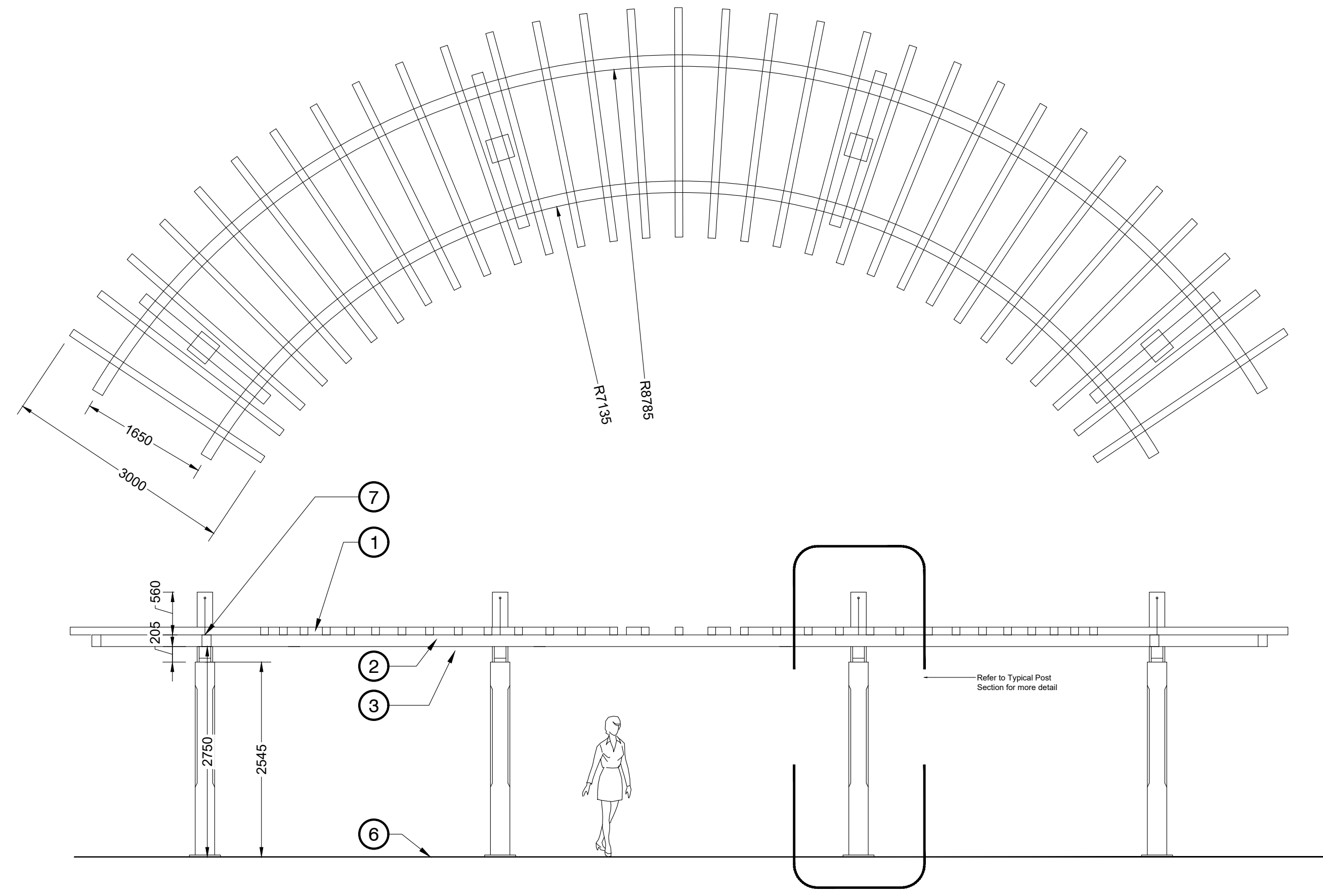
Notes:
 1. 8' cedar logs, split and stacked 5 logs high.
 2. Secured with galvanized steel spikes.
 3. Fencing to be staked into ground at each intersection.

- ① 4x4" clear cedar smooth finish, chamfered 5 degrees on the end
- ② 100x150mm Steel beam
- ③ 6x8" Clear cedar smooth finish, chamfered 5 degrees on the end
- ④ 10x10" Rough cut cedar post
- ⑤ Concrete footing to be designed and stamped by Structural Engineer
- ⑥ Furnish grade. Refer to site plan
- ⑦ All connections to be designed and stamped by Structural Engineer

NOTES:
 1. All wood to be Cedar. All wood members to be stained with Sikken's Cetol SRD RE. Colour: Cedar.
 2. All hardware hot dip galvanized.
 3. Contractor to provide structurally engineered shop drawings for review and approval by Landscape Architect. Drawings to include both engineered connections and concrete footing.
 4. All steel beams to be galvanized and powder coated black.
 5. Radius and length will be adjusted according to site plan.



② TRELLIS
1:50



① SPLIT RAIL FENCE
1:25

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

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No.	By:	Description	Date
REVISIONS TABLE FOR SHEET			

Project:
Mackenzie Bike Park
 Location:
 Lot 1 Plan PGP17067 District Lot
 12463 Land District 05 Except Plan
 PGP18664
 Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot
 12463 Land District 05 Except Plan
 27125 EX PL 27125

Drawn: MT BF	Stamp:
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Approved: DJ	
Scale: AS SHOWN	Original Sheet Size: 24"x36"

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Drawing Title:
DETAILS

VDZ Project #:
PR2021-03

Drawing #:
LD-03

PROJECT CONTACT:

1.1 Inquiries regarding landscape drawings should be addressed to the person(s) identified in the contact information on the cover page.

PROJECT COORDINATION:

2.1 The contractor(s) responsible for completing the landscape scope of work shall conform to the reference standards, submittals process, coordination standards, specifications, and works as defined under the "General Scope" of the master specification (complete).

OVERALL PROJECT NOTES:

3.1 Any significant revisions to these drawings must be approved by the project landscape architect.

3.2 Existing underground utilities are to be located via BC one call prior to any work commencing.

3.3 The contractor is responsible for any damage to all retained structures and landscape during construction.

3.4 If construction is required in or near a water course contractor to refer to environmental report for landscape installation instructions. If no environmental report is provided contractor to notify landscape architect.

3.5 Legal survey posts, monuments, stakes, and integrated survey monuments are to be replaced if destroyed or damaged during construction.

3.6 If construction is commencing during the nesting period contractor to notify landscape architect prior to the removal of any existing vegetation.

DRAWINGS AND SPECIFICATIONS:

4.1 Contractor to refer to the following specifications and standards as they relate to the drawings and specifications. If a conflict arises between the drawings and the specifications and standards contractor to request clarification prior to completing bid:

- MMCD Specification - Latest Edition
• Canadian Landscape Standard - Latest Edition - for all softscape contractor to refer to the Canadian Landscape Standard or municipal requirements before referring to the MMCD

4.2 The contractor, sub-contractor, and coordinating trades/suppliers responsible for completing the landscape scope of work is responsible for reviewing the master specifications for the project in conjunction with all consultant drawings, inclusive of landscape.

4.3 Should any drawing or detail conflict with the master specification file the contractor must immediately notify the design team for coordination prior to order, preparation or installation of said conflicting works (typ).

4.4 The contractor(s) responsible for completing servicing, hard and soft landscape works are responsible for providing the landscape architect with a complete "project record copy" of mark-ups or changes to works defined in the Landscape Drawings. This is in addition to any record drawing requests defined under the general scope. The project record copy mark-ups should be completed with red pen if submitted as a hard copy or in red coloured notes if submitted as a PDF.

4.5 Reference specifications listed in each section are just for contractor's reference all work to be completed in accordance with the entirety of the MMCD, latest edition.

4.6 Contractor to complete plans as shown on drawings. All quantities provided are for reference only.

CONCRETE FLATWORK:

5.1 This section covers all concrete flatwork specified on landscape drawings including sidewalks, plazas, on-slab horizontal concrete work, pathways, trails, curbs, etc.

5.2 Reference Specifications:

- Section 03 30 53 Cast-in-Place Concrete
Section 03 30 20 Concrete Walks, Curbs, and Gutters
Section 03 20 01 Concrete Reinforcement
Section 32 11 23 Granular Base
Section 32 13 13 Portland Cement Concrete Paving
Section 32 17 23 Painted Pavement Markings

5.3 Concrete mix and materials as per Section 03 30 53

5.4 All concrete flatwork shall have a light broom finish or approved equal unless specified otherwise on details. See below for requirements of additional finishes:

Abrasive Blast Finish

- Contractor to provide 2mx2m test panel prior to sandblasting all concrete
• Abrasives shall conform to The International Concrete Repair Institute No. 310.2R-2013
• Abrasive blasting finishes shall be light, medium and heavy abrasive blast finishes as called up on details and drawings. The exact finish of abrasive blast will be governed by matching samples reviewed by the

Consultant.

- Abrasive blasting operation shall yield uniform texture and colour to all surfaces. The texture and colour shall match the approved mock up panels.

Broom Finish

- Contractor to confirm broom direction prior to finish. If no direction is provided contractor to broom perpendicular to longest concrete edges
• Broom finish to be clean of debris with consistent parallel ridging.

Stamped Concrete

- Contractor to provide 2mx2m test panel with proposed pattern.

Exposed Aggregate

- Aggregate for Exposed Aggregate Concrete: as required to produce approved finished with 75% of exposed aggregate pieces 10mm 10 12mm size.

5.5 The contractor should confirm the locations of control joint patterning and expansion joints with the landscape architect prior to installation for concrete paving surfaces and walls. If no jointing is shown on plan contractor to assume max. 3.0m spacing between saw cut joints and expansion joints on all flatwork.

5.6 For coloured concrete contractor to provide sample chip/pour prior to installation.

5.7 For all pedestrian area coloured concrete contractor to seal concrete with Elephant Armour Cure through Abbotsford Concrete Products.

5.8 Contractor to ensure all troweling is a smooth and continuous finish free of debris.

5.9 Concrete is not to be parged unless approved by landscape architect. All parged concrete will be removed at no cost to the owner.

5.10 Contractor to replace all cracked, chipped, or irregular concrete.

ASPHALT - PATHWAYS AND PLAZAS ONLY

8.1 This section covers all asphalt areas as shown on the landscape drawings.

8.2 Reference Specifications:

- Section 32 12 13.1 Asphalt Talk Coat
Section 32 12 13.2 Asphalt Prime
Section 32 12 16 Hot-Mix Asphalt Concrete Paving
Section 32 17 23 Painted Pavement Markings

8.3 Asphalt to be tested as per the following:

- Sampling Mineral Aggregates ASTM D75
• Sampling Bituminous Mixtures ASTM D79
• Sieve Analysis of Aggregates ASTM D136
• Specific Gravity of Aggregates ASTM C127 and ASTM C128
• Determination of Bitumen Content ASTM D 1097
• Marshall Procedures for the Preparation and Testing of Bituminous Mixtures ASTM D1559

8.4 Submit hot mix asphalt design and trial mix test results to the Owner's Representative for review at least one week (7 days) prior to commencement of work.

8.5 Do not install hot-mix asphalt concrete pavement, base, or subbase during heavy rain or snowfall, cool temperatures or other unsuitable conditions as determined by landscape architect. Place paving under favourable weather conditions; with temperatures exceeding 4 degrees Celsius. Base and subbase surface should be dry and stable. Air temperature must be at least 5 degrees Celsius to place asphalt mixtures. (Air temperature must be 10 degrees and rising for tennis and sport courts)

8.6 Lower Course: Machine place to specified compacted thickness (maximum lifts of 50mm after compaction) over compacted and graded aggregate base. Some areas may require thicker applications to fill in low spots and to ensure positive drainage.

8.7 Upper Course: Machine place to minimum specified compacted thickness (maximum lift of 38mm after compaction) over compacted lower course. Hand place/tamp as required around all site fixtures.

8.8 When asphalt concrete meets site fixtures, furnishings, concrete walls, walks or other flare the asphalt upwards around the base of fixture to ensure water drains away from the fixture and is in compliance with the overall grading and drainage plans for the Project.

8.9 Along building walls, curbs, gutters, headwalls, manholes and similar locations not accessible to a roller, thorough compaction shall be obtained by means of hot hand or smaller mechanical tampers before the mixture has set. At all contacts of this nature, the joints between these structures and the surfacing must be effectively tack coated with an emulsified asphalt.

8.10 For sports courts contractor to place lower course asphalt and top with a 'sandy bin' or 'tennis court' course as a top mix. Contractor to clean and powerwash asphalt prior to linemarking application.

8.11 For sports courts contractor to confirm line type and colour for linemarking.

8.12 For stamped asphalt contractor to install stamp as per manufacturer's specification. A 2mx2m sample is to be provided prior to stamp application.

CRUSHED GRANITE AND AGGREGATE HARDSCAPES :

9.1 This section refers to all loose material pathways, plazas, and trails.

9.2 Contractor to provide 1 litre sample for all surface aggregates prior to installation.

9.3 Crushed Granular Paving: shall consist of sound, durable stone particles free from clay, organic material or other deleterious matter as per ASTM C 136.

9.4 Crushed granite 9mm minus stone:

Table with 3 columns: Sieve Size (mm), Percent Passing by Weight, and values for 9.0, 4.75, 2.36, and 1.18 mm sieves.

9.5 All loose material pathways to receive 1"x 4" recycled plastic edger staked with 300mm spikes at 600mm O.C. unless otherwise specified on drawings. For loose material pathways on-slab contractor to provide 150mm concrete edging curb.

9.6 All loose material pathways on slab to be placed over landscape fabric.

9.7 Compact loose material using drum roller. Do not compact with vibratory equipment.



Drawing Title: LANDSCAPE SPECIFICATIONS - GENERAL/HARDSCAPE

VDZ Project #: PR2021-03

Drawing #: LN-01

Table with 4 columns: No., By, Description, Date. Contains revision entries for tender and 50% issuance.

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REVISIONS TABLE FOR SHEET. Project: Mackenzie Bike Park, Location: Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664 Rem. LOT 2. PLAN 24200.

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Approval table with columns: Drawn (MT, BF), Checked (DJ), Approved (DJ), Scale (24"x36"), Stamp, and Original Sheet Size.

Z:\PROJECTS\PARKS & RECREATION\ACTIVE\PR2021-03 LITTLE MAC SKI HILLS DWG\SHEETS\LN-01 LANDSCAPE NOTES.DWG

PLANTING AND PLANTING BEDS

1.1 This section covers supply and installation of all trees, shrubs, and ground covers including bed preparation and topsoil.

1.2 Reference Specifications:

- Section 32 93 01 Planting of Trees, Shrubs and Ground covers
- Section 33 22 01 Site Grading
- Section 32 91 21 Topsoil and Finish Grading
- Canadian Landscape Standards (latest edition)
- British Columbia Nursery Trade Association

1.3 All plant and soil material shall be warranted for (1) year after substantial completion.

1.4 The contractor is responsible to have the landscape architect inspect the site for fine grading in areas where slopes, berms or mounds are used as part of soft landscaping features prior to the installation of plant material. A minimum 7 days notice is required for this review.

1.5 Establishment maintenance must be completed by the landscape contractor through the course of construction/installation, substantial completion and until the time of final acceptance once all deficiencies are deemed as complete. Establishment maintenance practice and procedures are defined under the Canadian Landscape Standard.

1.6 Establishment watering must be completed by the landscape contractor through the course of construction/installation, substantial completion and until the time of final acceptance once all deficiencies are deemed as complete. Establishment watering practice and procedures are defined under the Canadian Landscape Standard.

1.7 The landscape contractor should provide the landscape architect with one week's notice to perform a review at local nurseries who are supplying major plant orders to the site. The landscape architect reserves the right to reject plant material that does not meet drawing specification or Canadian Landscape Standard at any time, despite any review of said materials.

1.8 The landscape contractor must submit a soil report/test report to that shows that growing mediums comply with the standards identified in the Canadian Landscape Standard, latest edition.

1.9 The general contractor shall pay for a minimum two (2) random tests to be performed during the course of construction to confirm that the growing medium being installed on site matches the test approved to the landscape architect. The landscape architect will notify the general contractor of when said tests will occur and soil samples should be mailed out within 48 hours of this notice. Failure to have soil match approved material could result in removal, amendment or reinstallation of appropriate material at the contractor's expense. Soil tests should be sent to Pacific Soil Analysis Incorporated or approved equal testing center.
Pacific Soil Analysis Inc.
Suite 5-11720 Voyageur Way, RICHMOND, BC V6X 3G9
Telephone 604 273 8226

1.10 Landscape mulch shall conform to Canadian Landscape Standards and be installed at depths specified under Canadian Landscape Standard. Mulch must be non-toxic. Mulch should be dark brown or black in colour; red coloured mulch is not permitted unless specified otherwise.

1.11 Filter fabric must be provided in any areas where drain rock is used as a mulch substitute or landscape feature, with the exception of drip strips (unless noted otherwise).

1.12 In areas where soft landscaping shall be planted over structural slabs, the contractor must submit, in writing, that the project architect has inspected planters or areas of soft landscape planting and has approved the waterproofing and slab protection present, such that it conforms to contract specifications and drawings. This shall be done prior to any inspections the landscape architect shall make to review growing medium depths or plant installation.

1.13 Should any fertilizers or chemicals be applied to soft landscapes, they must be non-toxic.

1.14 If during excavation obstructions are found to planting areas contractor to contact landscape architect for review and direction.

1.15 Contractor to notify the landscape architect if any invasive species are encountered during construction. This includes but is not limited to Equisetum, Rubus, Hedera, and Fallopia japonica. Contractor is responsible for the removal of all invasives as per the Canadian Landscape Standard.

1.16 Contractor to ensure top soil is properly placed and compacted to ensure plant material does not sink or move during warranty period.

1.17 All planting beds to have cultivated, clean landscape edge unless otherwise specified on drawings.

1.18 At time of substantial completion all mulch beds to be weed and mushroom free.

1.19 For all landscape rock beds contractor to provide landscape fabric beneath and pressure treated timber edging unless otherwise specified on

drawings.

HYDROSEED AND SOD

2.1 This section covers supply and installation of sod and hydroseed for turf grass and native grass areas.

2.2 Reference Specifications:

- Section 32 93 23 Sodding
- Section 32 92 19 Hydraulic Seeding
- Section 32 92 20 Seeding
- Section 32 91 21 Topsoil and Finish Grading
- Canadian Landscape Standards (latest edition)
- British Columbia Nursery Trade Association

2.2 The contractor is responsible to have the landscape architect inspect the site for fine grading in areas where sod or seed are used as part of soft landscaping features prior to the installation of sod or seed. A minimum 7 days notice is required for this review. Preparation of sod and seed areas shall conform to BC Landscape Standards. No 1 Turfgrass and No. 1 Canadian seed standards apply as defined through BC Landscape Standards. Installation and maintenance specifications of sod and seed shall apply as defined through BC Landscape Standards.

2.3 Sod to be No1. Premium or No. 2 Standard non-netted.

2.4 Contractor is responsible for the watering and maintenance of the sod until 55 days post substantial completion.

2.5 For turf areas seed to be Premier Pacific All Purpose Sun& Shade Mix or approved equal unless otherwise specified on drawings. Seed to be installed as per supplier specifications.

2.6 Seeding to take place in the spring (April 1st to June 15th) and fall (August 15th to September 30th). If seeding is to happen outside of these windows contractor to contact landscape architect for adjustments to maintenance requirements.

- 2.7 Conditions for final acceptance of turf areas are as follows:
- Seeded areas are vigorously growing, the turf is well established and has a healthy green appearance
 - Seeded areas do not have any eroded or washed out areas and are free of noxious or invasive weeds.
 - No surface growing medium is visible when turf has been mowed to a height of 50mm
 - Seed areas have been cut a minimum of 2 times.

2.8 For all native and high-grass seeding contractor to provide 300mm depth of well-groomed top soil

2.9 For all native and high-grass seeding contractor to provide maintenance for a minimum of (1) growing season (Spring to Fall).

VDZ+A
 LANDSCAPE ARCHITECTURE | CIVIL ENGINEERING | URBAN FORESTRY
 FORT LANGLEY STUDIO | MOUNT PLEASANT STUDIO
 100-9181 Church St | 102-355 Kingsway
 Fort Langley, BC | Vancouver, BC
 V1M 2R8 | VST 317
 www.vdz.ca | 604-882-0024

3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16
No.	By:	Description	Date


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No.	By:	Description	Date

REVISIONS TABLE FOR SHEET

Project:
Mackenzie Bike Park
Location:
Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MT BF	Stamp: 
Checked: DJ	
Approved: DJ	Original Sheet Size: 24"x36"

Scale:
 CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REVISIONS TO DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

BIKE PARK - GENERAL NOTES

1. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ARE BASED ON INFORMATION FROM THE ELECTRONIC SURVEY PROVIDED BY THE CITY. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AND THE PROPER LOCAL AUTHORITIES OR RESPECTIVE UTILITY COMPANIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. ANY DAMAGE DUE TO FAILURE OF THE CONTRACTOR TO CONTACT THE PROPER AUTHORITIES SHALL BE BORNE BY THE CONTRACTOR.
2. CONTRACTOR SHALL VERIFY AND COORDINATE FINISH GRADES WITH RELATED SITE IMPROVEMENTS. CONTRACTOR SHALL IMMEDIATELY REPORT ANY CONFLICTS OR DISCREPANCIES TO THE BIKE PARK DESIGNER.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE, AS WELL AS ALL SITE DIMENSIONS PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER IN WRITING OF ANY DIFFERENCES IN TOPOGRAPHY OR SITE DIMENSION THAT DIFFER FROM THOSE SHOWN ON THE PLANS.
4. WRITTEN DIMENSIONS ARE TO TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY BIKE PARK DESIGNER OF ANY DISCREPANCIES FOUND IN THE FIELD BEFORE MOVING FORWARD. FAILURE TO GAIN CLARIFICATION FROM BIKE PARK DESIGNER BEFORE MOVING FORWARD WILL RENDER CONTRACTOR RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH CORRECTING INSTALLED WORK TO THE SATISFACTION OF THE ENGINEER.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE PROJECT SITE AS NEEDED DURING CONSTRUCTION.
6. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND / OR LOCAL CODES AND REGULATIONS.
7. ALL WORK SHALL BE DONE IN ACCORDANCE TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND REGULATIONS.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND OSHA REGULATIONS.
9. CONTRACTOR SHALL HAVE ALL REQUIRED SUBMITTAL APPROVALS PRIOR TO BEGINNING WORK AND ORDERING MATERIALS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR TO ANY SIDEWALK, LAWNS, TREES, PAVING, AND OTHER IMPROVEMENTS DISTURBED BY CONSTRUCTION OR DEMOLITION ACTIVITIES PROPOSED HEREIN.

BIKE PARK - PERFORMANCE SPECIFICATIONS

- ALL TRACK AND TRAIL CONSTRUCTION SHALL COMPLY WITH THE SPECIFICATIONS, DRAWINGS, REQUIREMENTS, AND DESIGN INTENT PRESCRIBED IN THE CONSTRUCTION AND CONTRACT DOCUMENTS. ADDITIONAL RESOURCES INCLUDE "TRAIL SOLUTIONS" (2004) AND "MANAGING MOUNTAIN BIKING" (2007). MODIFICATIONS SHALL BE APPROVED BY OWNER'S REPRESENTATIVE.
1. COMPLETED PRODUCTS SHALL REFLECT PROFESSIONAL WORKMANSHIP IN APPEARANCE, QUALITY, AND ATTENTION TO DETAIL. TRAILS AND FEATURES SHALL BE WELL INTEGRATED INTO SITE, AESTHETICALLY PLEASING IN APPEARANCE, AND WELL-SHAPED, CRAFTED, AND FINISHED ACCORDING TO COMMONLY ACCEPTED BEST PRACTICES FOR HIGH QUALITY AND SUSTAINABLE MOUNTAIN BIKING TRAILS. WORK MUST BE COMPLETED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
 2. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES IN THE SPECIFICATIONS, THE MATTER SHALL BE AT ONCE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE, AND THE DISCREPANCIES CORRECTED BEFORE PROCEEDING FURTHER.
 3. BIKE PARK CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH GENERAL CONTRACTOR AND SUBCONTRACTORS AS REQUIRED TO COMPLETE ALL OPERATIONS.
 4. TEST RIDING: BIKE PARK CONTRACTOR SHALL THOROUGHLY TEST RIDE ALL TRAILS AND TRAIL FEATURES BY BIKE WITH APPROPRIATE EXPERT RIDER, TO ENSURE THE SPECIFIED RIDING EXPERIENCE, DESIGN, FLOW, RHYTHM, CHARACTER, DIFFICULTY, AND SPECIFICATIONS ARE MET. TESTING SHALL BE PERFORMED DURING THE TRACK / TRAIL ALIGNMENT AND TRACK / TRAIL FEATURE LOCATION PROCESS, AS WELL AS DURING CONSTRUCTION AND FOLLOWING CONSTRUCTION, TO THE EXTENT POSSIBLE AND IN CONSULTATION WITH OWNER'S REPRESENTATIVE. TRACK / TRAILS AND FEATURES SHALL BE MODIFIED AND CORRECTED AS NECESSARY UNTIL PERFORMANCE SPECIFICATIONS ARE MET.
 5. BIKE PARK CONTRACTOR SHALL LEAVE TRACKS AND THE ADJACENT AREA IN A FINISHED AND NATURAL-LOOKING CONDITION AND MINIMIZE DISTURBANCE TO PERMANENT EXISTING VEGETATION TO THE EXTENT POSSIBLE IN COORDINATION WITH GENERAL CONTRACTOR, TOPSOIL SPREADING, AND IRRIGATION AND LANDSCAPE INSTALLATION.
 6. ALL EXCAVATED MATERIAL GENERATED DURING BIKE PARK CONSTRUCTION MUST BE USED IN THE TRACK / TRAIL, OR DISPERSED AND BLENDED INTO SURROUNDING TERRAIN, OR REMOVED. NO PILES OF EXCAVATED MATERIAL GREATER THAN 6 INCHES DEPTH SHALL BE LEFT BEHIND.
 7. THE BIKE PARK CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADINGS AND POSITIVE DRAINAGE AWAY FROM ALL TRAILS AND TRAIL FEATURES. NO IMPOUNDMENTS NOR PONDING OF SURFACE WATER SHALL BE ALLOWED.

BIKE PARK - CONSTRUCTION NOTES

1. ALIGNMENTS
 - A. THE BIKE PARK PLANS ARE DIAGRAMMATIC AND DO NOT REFLECT AN EXACT FINAL ALIGNMENT OR DIMENSION FOR EACH TRACK / TRAIL, TRACK / TRAIL IMPROVEMENT, ARMORING, OR FEATURE. ALL TRACK / TRAIL IMPROVEMENT LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
 - B. BIKE PARK CONTRACTOR SHALL CREATE AN EXACT FINAL ALIGNMENT AND LOCATION FOR EACH TRAIL / TRACK AND TRAIL / TRACK FEATURE. THE ALIGNMENTS AND LOCATIONS SHALL MEET APPROPRIATE SPECIFICATIONS AS PROVIDED IN THE CONSTRUCTION DOCUMENTS. TRAIL / TRACK ALIGNMENTS MUST BE FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION.
 - C. THE ALIGNMENT, LOCATION, DESIGN, AND CONSTRUCTION OF EACH INDIVIDUAL TRACK / TRAIL SHALL CONFORM TO THE SPECIFICATIONS, INTENT, CHARACTER, AND DESCRIPTION FOR THAT SPECIFIC TRACK / TRAIL AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS.
 - D. IF CONFLICTS ARISE IN TRACK / TRAIL ALIGNMENTS, FEATURES, ARMORING, VEGETATION, LANDSCAPING, IRRIGATION, AND/OR OTHER ITEMS, BIKE PARK CONTRACTOR IS REQUIRED TO IMMEDIATELY CONTACT OWNER'S REPRESENTATIVE FOR RESOLUTION BEFORE PROCEEDING.
 - E. THE BIKE PARK CONTRACTOR SHALL WORK WITH THE OWNER'S REPRESENTATIVE TO IDENTIFY THE NEED TO FURTHER REFINE OR ADJUST CONSTRUCTION NOTES, LOCATION OR TYPES OF TRACKS OR FEATURES, AND MAKE MINOR ADJUSTMENTS AT THE TIME OF CONSTRUCTION.
2. TECHNICAL TRAIL FEATURES (TFF)

THE FEATURE PLANS ARE DIAGRAMMATIC AND DO NOT REFLECT AN EXACT FINAL ALIGNMENT, LOCATION, OR DIMENSION FOR EACH FEATURE. THE BIKE PARK CONTRACTOR SHALL DETERMINE EXACT FINAL LOCATION AND DIMENSION OF ALL TFFS BASED UPON FINAL TRACK / TRAIL ALIGNMENT, TRACK / TRAIL FLOW, CHARACTER, DIFFICULTY, AND SURROUNDING TERRAIN. IT IS THE BIKE PARK CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT FINAL DIMENSIONS OF TFFS (HEIGHT, LENGTH, RADIUS, WIDTH, ETC.) FLOW APPROPRIATELY WITH THE SPEED OF TRAVEL, OTHER FEATURES AND SURROUNDING TRAILS.
3. TURNS

URNS ON THE TRACK / TRAIL SYSTEM SHALL BE CAMBERED/BANKED/BERMED AS NECESSARY ACCORDING TO THE SPECIFICATIONS, DRAWINGS, INTENDED RIDING EXPERIENCE, TRAIL FLOW, TRAIL SPEED, AND DIFFICULTY. TURN CONSTRUCTION SHALL BE INCIDENTAL TO THE UNIT RATE FOR TRACK / TRAIL CONSTRUCTION.
4. VERTICAL UNDULATIONS

THE TRAILS / TRACKS SHOULD HAVE VERTICAL UNDULATIONS SUCH AS ROLLERS, BUMPS, GRADE REVERSALS, AND DIPS AS NECESSARY ACCORDING TO THE SPECIFICATIONS, DRAWINGS, INTENDED RIDING EXPERIENCE, TRAIL FLOW, TRAIL SPEED, AND DIFFICULTY. SUCH VERTICAL UNDULATIONS SHALL BE INCIDENTAL TO THE UNIT RATE FOR TRACK / TRAIL CONSTRUCTION.
10. COMPACTION

ALL TRACK / TRAIL SUB GRADES, TRACK TREADS, TRACK / TRAIL SURFACING MATERIALS, BACKSLOPES, ROLLERS, BERMS, FILL, AND TERRAIN ENHANCEMENTS SHALL BE COMPACTED PER GEO-TECH REPORT RECOMMENDATIONS ACCORDING TO COMMONLY ACCEPTED BEST PRACTICES AND IN A MANNER THAT WILL SUPPORT THE INTENDED USE.
11. QUANTITIES

FOR ALL SPECIFICATIONS THAT CONTAIN MORE OR LESS QUANTITIES, IT SHALL BE UNDERSTOOD AND AGREED THAT QUANTITIES LISTED IN THE SPECIFICATIONS ARE ESTIMATED ONLY AND MAY BE INCREASED OR DECREASED IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER.
12. SURFACE MATERIAL
 - A. THE INTENT OF THE SURFACE MATERIAL IS TO COVER THE EXISTING SOILS WITH A WELL-BALANCED SURFACE THAT FACILITATES DRAINAGE, COMPACTS WELL, AND THAT PERFORMS REASONABLY IN BOTH WET AND DRY WEATHER CONDITIONS. SURFACE MATERIAL SHALL BE INCIDENTAL TO THE UNIT RATE FOR BIKE PARK CONSTRUCTION. DESIRED CHARACTERISTICS INCLUDE:
 1. DRAINS WELL AND FACILITATES SHEET DRAINAGE
 2. STAYS FIRM AND COHESIVE WHEN MOIST
 3. STAYS FIRM AND COHESIVE WHEN DRY
 4. RESISTS SHEER FORCES CREATED BY BICYCLE TIRES (CORNERING, BRAKING, AND ACCELERATING)
 5. REASONABLY PLIABLE IN ORDER TO SHAPE SURFACE AND PERFORM MAINTENANCE
 - B. THE SURFACE MATERIAL MUST BE DEMONSTRATED AND TESTED IN BOTH WET AND DRY CONDITIONS ON THE SAMPLE SECTIONS DESCRIBED IN THE BIKE PARK SURFACE MATERIAL TECHNICAL SPECIFICATIONS. MODIFICATIONS TO THE MATERIAL MAY BE NECESSARY BASED ON THE SAMPLE TEST. OWNER'S REPRESENTATIVE MUST APPROVE THE MATERIAL BEFORE ADDITIONAL CONSTRUCTION MAY PROCEED.

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

REVISIONS TABLE FOR DRAWINGS

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No.	By:	Description	Date

REVISIONS TABLE FOR SHEET

No.	By:	Description	Date

Project:
Mackenzie Bike Park

Location:
Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL	Stamp:
Checked: DJ	
Approved: KR	Original Sheet Size: 24"x36"
Scale:	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REVISIONS TO DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

Drawing Title: **BIKE PARK NOTES**

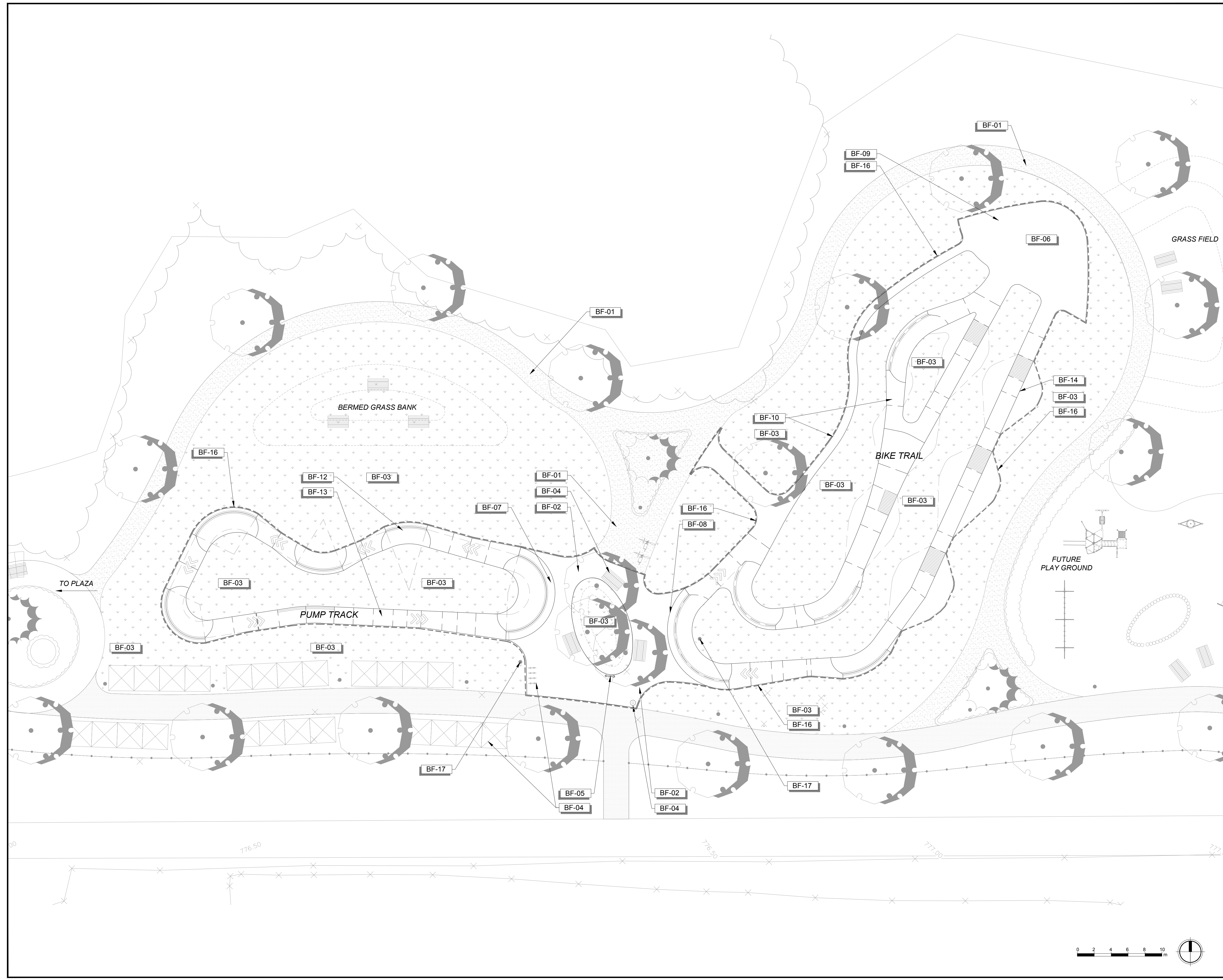
VDZ Project #: **PR2021-03**

Drawing #: **B-01**

ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 SECTIONS / PROFILES ON BP-01 THRU BP-06
 DETAILS ON BD-01 THRU BD-02

BIKE PARK FEATURE LEGEND

- BF-01** CONCRETE PAVING PER LANDSCAPE PLANS
- BF-02** ASPHALT PAVING PER LANDSCAPE PLANS
- BF-03** PLANTING AREA FINISH GRADE, IRRIGATION AND PLANTING PER LANDSCAPE PLANS
- BF-04** SITE FURNITURE PER LANDSCAPE PLANS
- BF-05** RULES AND REGULATION SIGN BY OTHERS
- BF-06** STAGING AREA
- BF-07** PUMP TRACK ENTRY
- BF-08** TYPICAL ASPHALT BERM AT BIKE TRAIL
- BF-09** ASPHALT SURFACING AT BIKE PARK ENTRY
- BF-10** SOIL MIX SURFACING AT TRAIL
- BF-11** DIRECTIONAL MARKER AT PUMP TRACK
- BF-12** TYPICAL PUMP TRACK BERM
- BF-13** TYPICAL PUMP TRACK ROLLER
- BF-14** TYPICAL TRAIL WOOD LIP
- BF-15** ASPHALT SURFACING AT TRAIL LANDINGS
- BF-16** BIKE PARK SPECIALTY CONTRACTOR LIMIT OF WORK. NOTE: BIKE PARK SPECIALTY CONTRACTOR SCOPE OF WORK TO EXCLUDE PLANTING AND IRRIGATION AT PLANTING AREAS, AND RULES & REGULATIONS SIGN AND SITE FURNITURE FABRICATION AND INSTALLATION.
- BF-17** LIGHT POLE BY OTHERS



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No.	By:	Description	Date

REVISIONS TABLE FOR SHEET

Project: Mackenzie Bike Park
Location: Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664 Rem. LOT 2. PLAN 24200
 Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL	Stamp:
Checked: DJ	
Approved: KR	Original Sheet Size: 24"x36"
Scale:	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REZONING OR ZONING APPLICATIONS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

Drawing Title: BIKE PARK FEATURE PLAN

VDZ Project #: PR2021-03

Drawing #: B-02

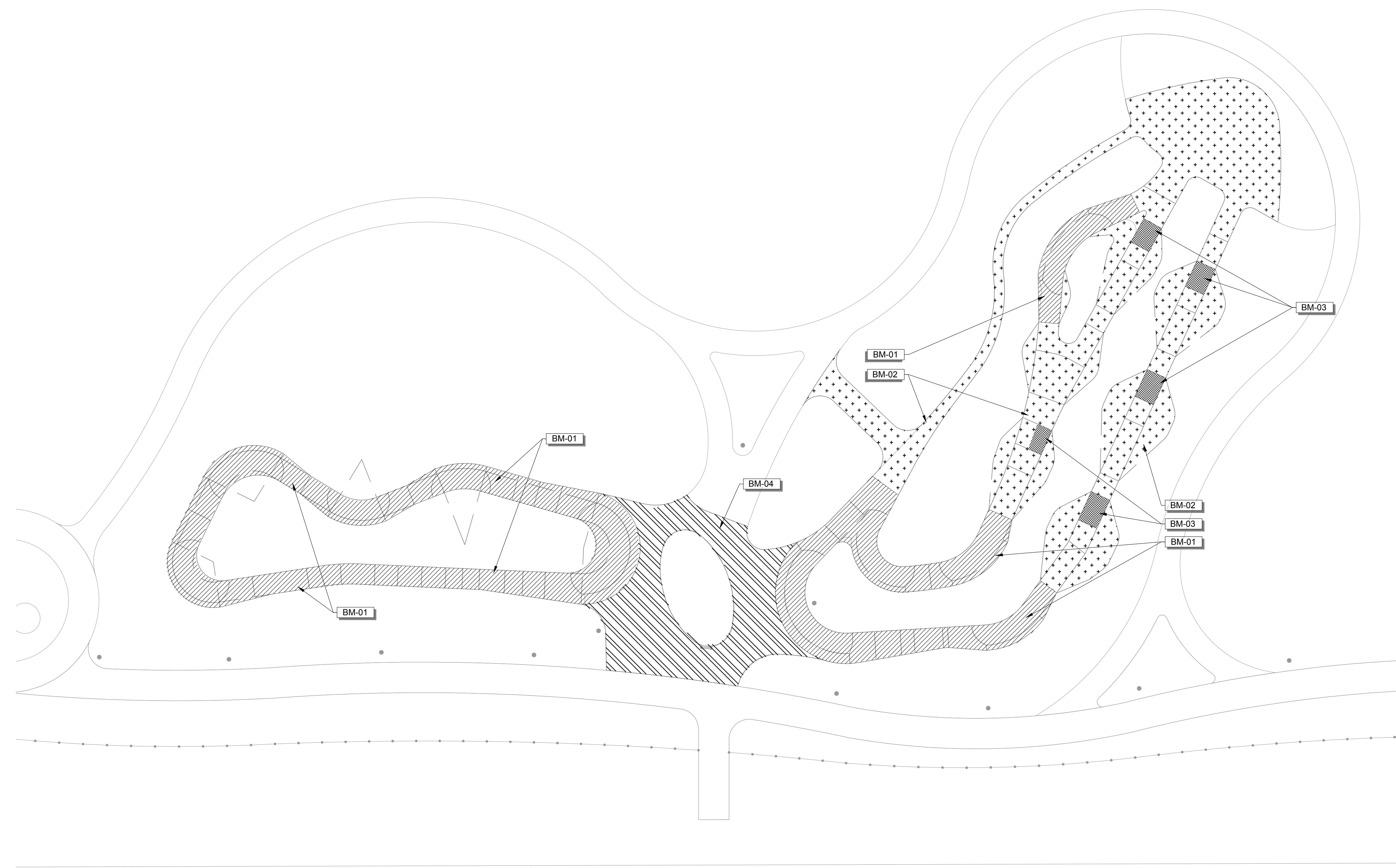
ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 SECTIONS / PROFILES ON BP-01 THRU BP-06
 DETAILS ON BD-01 THRU BD-02

BIKE PARK MATERIALS LEGEND

BM-01		6" THK. TRACK / TRAIL SPECIALTY ASPHALT SURFACE, SEE 1/BD-01
BM-02		6" THK. TRAIL SOIL MIX SURFACE, SEE DETAIL 5/BD-01
BM-03		WOOD LIP, SEE DETAIL 1/BD-02
BM-04		ASPHALT PAVING PER LANDSCAPE DETAILS

MATERIAL NOTES

- CONTRACTOR TO SUBMIT INSTALLATION SCHEDULE TO BIKE PARK DESIGNER FOR REVIEW AND APPROVAL.
- CONTRACTOR TO SUBMIT PROPOSED START AND STOP FORM LOCATIONS FOR ALL WORK SHOWN FOR REVIEW AND APPROVAL BY BIKE PARK DESIGNER.
- CONTRACTOR TO BUILD ALL TEMPLATES AND FORMS WITH TRUE ARCS AND TANGENTS MATCHING SECTIONS AND PROFILE DIMENSIONS. FINISH WORK NOT MEETING TOLERANCES WILL BE REJECTED.



No.	By:	Description	Date
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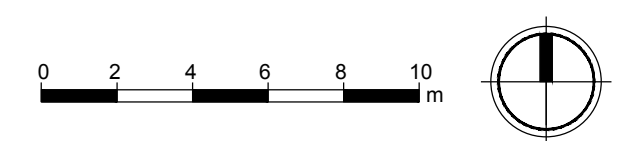
Project:
Mackenzie Bike Park

Location:
Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL	Stamp:
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Approved: KR	Original Sheet Size: 24"x36"

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Drawing Title: BIKE PARK MATERIALS PLAN

VDZ Project #: PR2021-03

Drawing #: B-03

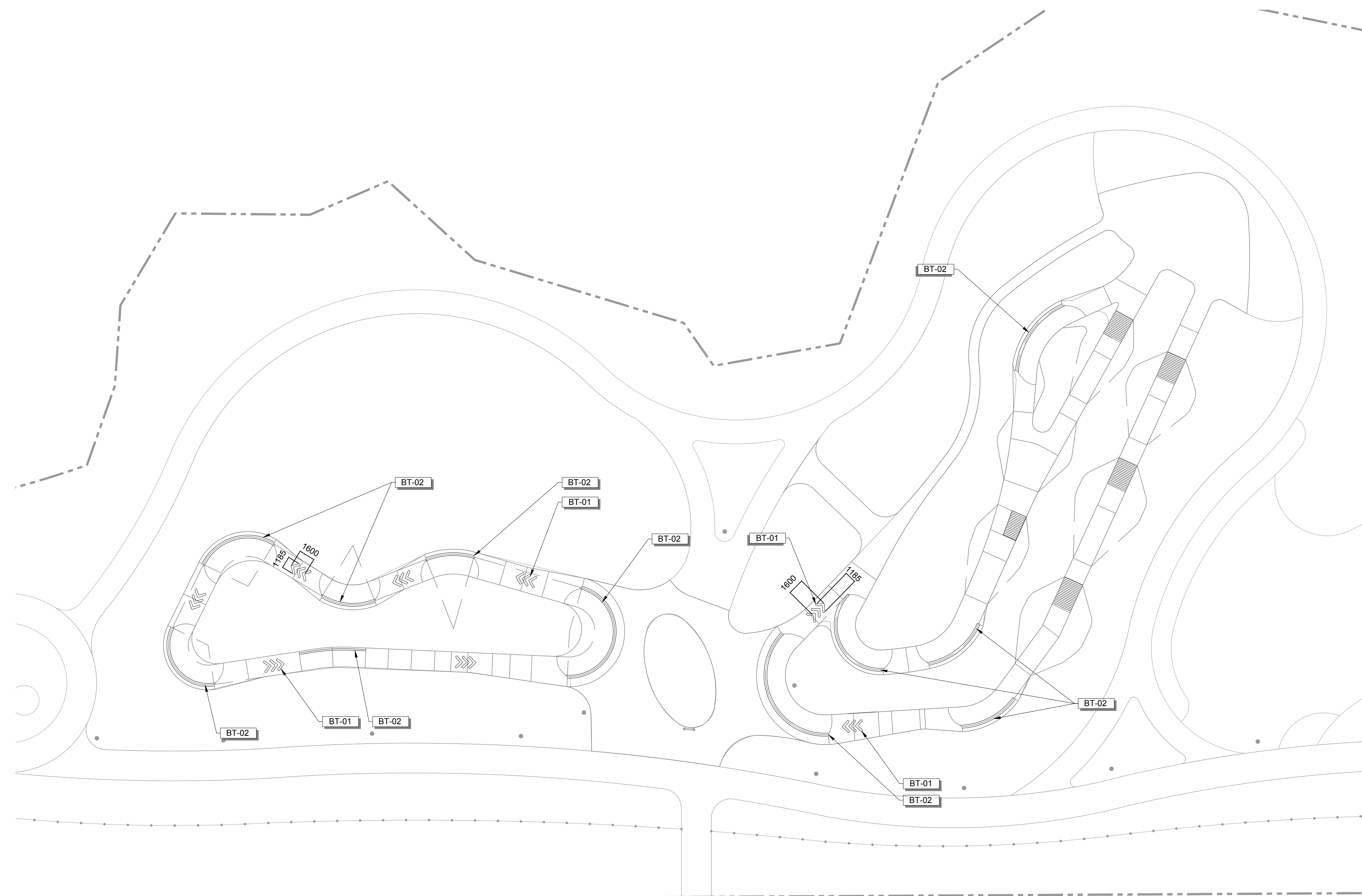
ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 SECTIONS / PROFILES ON BP-01 THRU BP-06
 DETAILS ON BD-01 THRU BD-02

BIKE PARK MARKING LEGEND

- BT-01** 200mm WIDE DIRECTIONAL ARROWS :
 TEXTURED, FAST DRYING, NON-BLEEDING,
 LONG LASTING, DURABLE AND
 FADE-RESISTANT 100% ACRYLIC LINE
 PAINT INTENDED FOR SPORT COURT
 SURFACE, TO BE SELECTED.
 COLOR TO BE SELECTED.
- BT-02** 200mm WIDE STRIPING AT BOND BEAM
 (200mm LONG) AND TOP OF BERMS (200mm
 LONG) SPACED AT APPROX. 300mm:
 TEXTURED, FAST DRYING, NON-BLEEDING,
 LONG LASTING, DURABLE AND
 FADE-RESISTANT 100% ACRYLIC LINE
 PAINT INTENDED FOR SPORT COURT
 SURFACE, TO BE SELECTED.
 COLOR TO BE SELECTED.

MATERIAL NOTES

1. CONTRACTOR TO SUBMIT PAINT SWATCHES AND
 SAMPLES TO BIKE PARK DESIGNER FOR REVIEW
 AND APPROVAL.



No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
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1	MT	Issued for 50%	2022-01-16

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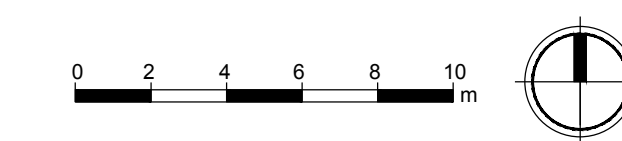
REVISIONS TABLE FOR SHEET

Project:
Mackenzie Bike Park
Location:
 Lot 1 Plan PGP17067 District Lot
 12463 Land District 05 Except Plan
 PGP18664
 Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot
 12463 Land District 05 Except Plan
 27125 EX PL 27125

Drawn: MS CL	Stamp:
Checked: DJ	
Approved: KR	Original Sheet Size: 24"x36"

Scale: CONTRACTOR SHALL CHECK ALL
 DIMENSIONS ON THE WORK AND REPORT
 ANY DISCREPANCY TO THE CONSULTANT
 BEFORE PROCEEDING. ALL DRAWINGS
 AND SPECIFICATIONS ARE THE EXCLUSIVE
 PROPERTY OF THE OWNER AND MUST BE
 RETURNED AT THE COMPLETION OF THE
 WORK. ALL REZONING/PP/AP/AP/APP
 DRAWINGS MUST NOT BE PRICED FOR
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Drawing Title: BIKE PARK MARKING PLAN

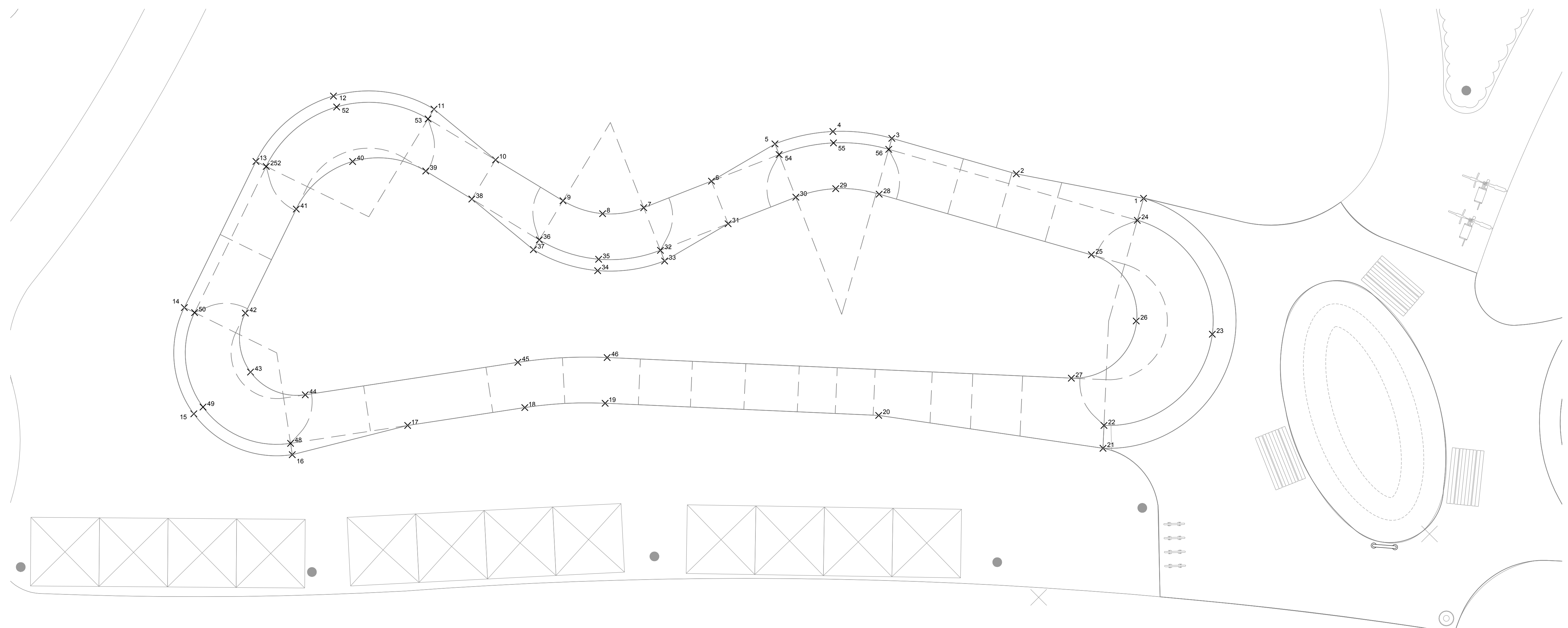
VDZ Project #: PR2021-03

Drawing #: B-04

ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 SECTIONS / PROFILES ON BS-01 THRU BS-04
 DETAILS ON BD-01 THRU BD-02

LAYOUT NOTES

- COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.
- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL FEATURES NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL LEDGES SHALL REPRESENT THE LOCATION OF THE CONCRETE BASE. CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE BIKE PARK DESIGNER AS SOON AS IDENTIFIED.
- BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.



A PUMP TRACK LAYOUT PLAN - POINTS

Point #	Northing	Eastng
1	6132671.35	494123.35
2	6132672.41	494117.78
3	6132673.97	494112.34
4	6132674.26	494109.76
5	6132673.72	494107.23
6	6132672.10	494104.45
7	6132670.94	494101.49
8	6132670.67	494099.69
9	6132671.24	494097.96
10	6132673.03	494095.00
11	6132675.24	494092.31
12	6132675.82	494087.92
13	6132672.96	494084.52
14	6132666.57	494081.39
15	6132661.93	494081.81
16	6132660.14	494086.11
17	6132661.42	494091.16
18	6132662.20	494096.28
19	6132662.39	494099.80
20	6132661.86	494111.77

Point #	Northing	Eastng
21	6132660.42	494121.58
22	6132661.42	494121.62
23	6132665.41	494126.36
24	6132670.38	494123.08
25	6132668.88	494121.07
26	6132665.98	494123.03
27	6132663.49	494120.19
28	6132671.52	494111.79
29	6132671.77	494109.88
30	6132671.39	494108.14
31	6132670.23	494105.18
32	6132669.07	494102.22
33	6132668.61	494102.40
34	6132668.18	494099.47
35	6132668.68	494099.52
36	6132669.53	494096.92
37	6132669.10	494096.66
38	6132671.32	494093.97
39	6132672.54	494091.95
40	6132672.95	494088.75

Point #	Northing	Eastng
41	6132670.88	494086.29
42	6132666.33	494084.06
43	6132663.75	494084.29
44	6132662.76	494086.68
45	6132664.18	494095.98
46	6132664.39	494099.89
48	6132660.64	494086.04
49	6132662.22	494082.21
50	6132666.35	494081.84
52	6132675.34	494088.06
53	6132674.81	494092.05
54	6132673.26	494107.41
55	6132673.76	494109.79
56	6132673.49	494112.20
252	6132672.74	494084.97

B PUMP TRACK LAYOUT TABLE - POINTS

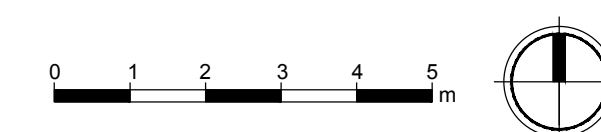
NOTE:

COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.

ALL COORDINATES SHOWN NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.

CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE SKATEPARK DESIGNER AS SOON AS IDENTIFIED.

* CONTRACTOR RESPONSIBLE FOR SURVEY WORK



No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
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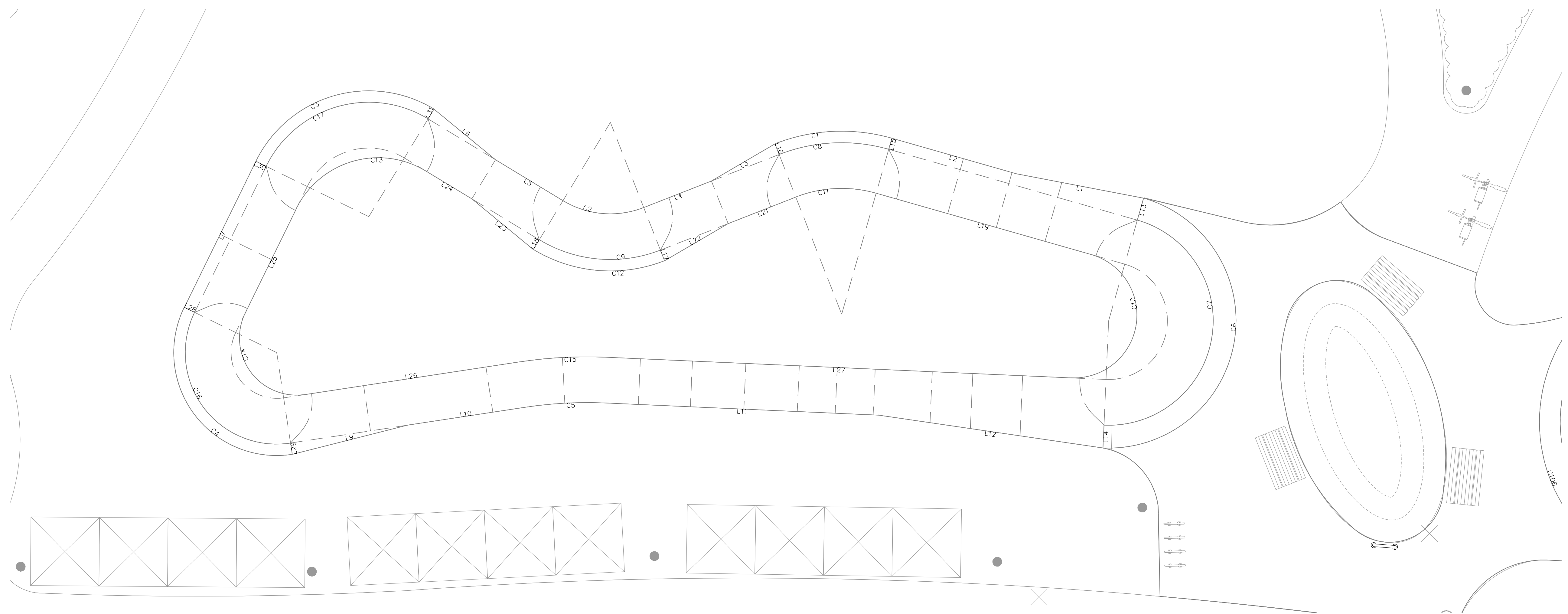
Project:
Mackenzie Bike Park
Location:
Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL	Stamp:
Checked: DJ	
Approved: KR	Original Sheet Size: 24"x36"
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LAYOUT NOTES

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- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL FEATURES NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL LEDGES SHALL REPRESENT THE LOCATION OF THE CONCRETE BASE. CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE BIKE PARK DESIGNER AS SOON AS IDENTIFIED.
- BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.



A PUMP TRACK LAYOUT PLAN - LINES & CURVES

Line #	Length	Direction
L1	5.67	N79° 08' 25.13"W
L2	5.66	N74° 04' 49.04"W
L3	3.22	S59° 39' 57.84"W
L4	3.18	S68° 36' 01.69"W
L5	3.45	N58° 47' 34.38"W
L6	3.49	S50° 32' 51.41"E
L7	7.11	S26° 06' 39.96"W
L9	5.21	N75° 48' 36.19"E
L10	5.18	N81° 19' 17.90"E
L11	11.98	N87° 27' 25.55"W
L12	9.92	N81° 40' 07.08"W
L13	1.00	S15° 55' 10.98"W
L14	1.00	S02° 32' 34.45"W
L15	0.50	S15° 55' 10.97"W
L16	0.50	S21° 23' 58.31"E
L17	0.50	S21° 23' 58.31"E
L18	0.50	N31° 12' 25.61"E
L19	9.79	N74° 04' 49.03"W
L21	3.18	S68° 36' 01.69"W
L22	3.22	N59° 39' 57.84"E

Line #	Length	Direction
L23	3.49	N50° 32' 51.41"W
L24	2.36	N58° 47' 34.38"W
L25	5.08	S26° 06' 39.96"W
L26	9.41	N81° 19' 17.90"E
L27	20.33	N87° 27' 25.55"W
L28	0.50	S63° 53' 20.04"E
L29	0.50	S08° 40' 42.19"E
L30	0.50	N63° 53' 20.02"W
L31	0.50	N31° 12' 25.62"E

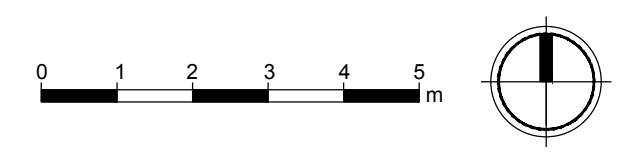
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	5.21	8.00	037.3192	S87° 15' 36.33"W	5.119
C2	3.67	4.00	052.6067	S85° 05' 46.37"E	3.545
C3	9.13	5.50	095.0960	S73° 39' 32.78"W	8.116
C4	9.80	4.50	124.7895	S36° 17' 01.11"E	7.975
C5	3.53	18.00	011.2213	S86° 55' 56.14"W	3.520
C6	16.20	5.57	166.6236	N09° 13' 53.41"E	11.068
C7	13.30	4.57	166.6236	N09° 13' 53.41"E	9.082
C8	4.89	7.50	037.3192	S87° 15' 36.33"W	4.799
C9	5.51	6.00	052.6067	S85° 05' 46.36"E	5.317
C10	8.00	2.75	166.6242	N09° 13' 50.97"E	5.463
C11	3.58	5.50	037.3192	S87° 15' 36.33"W	3.519
C12	5.97	6.50	052.6067	N85° 05' 46.37"W	5.761
C13	6.64	4.00	095.0960	S73° 39' 32.78"W	5.903
C14	5.45	2.50	124.7906	S36° 16' 59.10"E	4.431
C15	3.92	20.00	011.2213	S86° 55' 56.14"W	3.911
C16	8.71	4.00	124.7895	S36° 17' 01.11"E	7.089
C17	8.30	5.00	095.0960	S73° 39' 32.78"W	7.378

B PUMP TRACK LAYOUT TABLE - LINES & CURVES

NOTE:
 COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.

ALL COORDINATES SHOWN NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
 CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE SKATEPARK DESIGNER AS SOON AS IDENTIFIED.

* CONTRACTOR RESPONSIBLE FOR SURVEY WORK



No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

REVISIONS TABLE FOR DRAWINGS
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No.	By:	Description	Date

REVISIONS TABLE FOR SHEET

Project:
Mackenzie Bike Park
Location:
 Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
 Rem. LOT 2. PLAN 24200
 Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL	Stamp:
Checked: DJ	
Approved: KR	Original Sheet Size: 24"x36"
Scale:	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REVISIONS/CHANGES/ADDENDUMS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 SECTIONS / PROFILES ON BS-01 THRU BS-04
 DETAILS ON BD-01 THRU BD-02
 POINT TABLE ON B-08

LAYOUT NOTES

- COORDINATE VALUES SHOWN ARE INTENDED FOR HORIZONTAL POSITIONING AND DIMENSION CLARIFICATION ONLY. ALL POINTS SET IN THE FIELD FROM THESE VALUES SHALL FIRST BE CHECKED BY THE CONTRACTOR TO ENSURE THAT THE LOCATION IS CONSISTENT WITH THE DIMENSIONS AND GRAPHIC LOCATIONS SHOWN ON THE APPROVED CONSTRUCTION PLANS. IN THE CASE OF A DISCREPANCY WITH ANY COORDINATE VALUE SHOWN, THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE CITY PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITY THAT MAY BE AFFECTED.
- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL FEATURES NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL FEATURES NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL LEDGES SHALL REPRESENT THE LOCATION OF THE CONCRETE BASE. CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE BIKE PARK DESIGNER AS SOON AS IDENTIFIED.
- BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

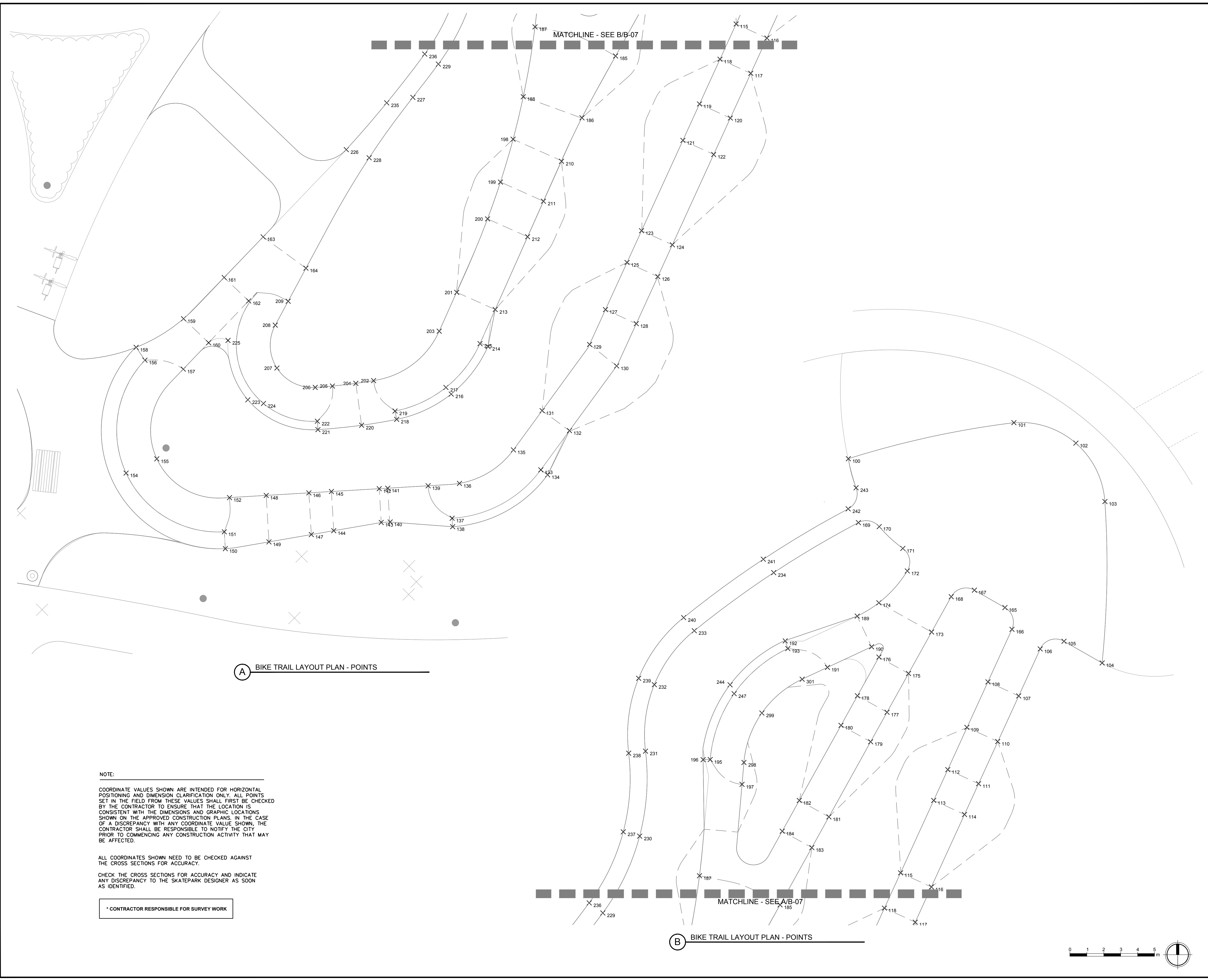
REVISIONS TABLE FOR DRAWINGS

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No.	By:	Description	Date
REVISIONS TABLE FOR SHEET			

Project:
Mackenzie Bike Park
Location:
 Lot 1 Plan PGP17067 District Lot
 12463 Land District 05 Except Plan
 PGP18664
 Rem. LOT 2. PLAN 24200
 Lot 2 Plan PGP24200 District Lot
 12463 Land District 05 Except Plan
 27125 EX PL 27125

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A BIKE TRAIL LAYOUT PLAN - POINTS

B BIKE TRAIL LAYOUT PLAN - POINTS

NOTE:
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 CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE SKATEPARK DESIGNER AS SOON AS IDENTIFIED.

* CONTRACTOR RESPONSIBLE FOR SURVEY WORK

Drawing Title: BIKE PARK LAYOUT PLAN & TABLES

VDZ Project #: PR2021-03

Drawing #: B-07

ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 SECTIONS / PROFILES ON BS-01 THRU BS-04
 DETAILS ON BD-01 THRU BD-02
 LINE & CURVE TABLE ON B-08

LAYOUT NOTES

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- ALL COORDINATES SHOWN AT THE BOTTOM OF ALL LEDGES SHALL REPRESENT THE LOCATION OF THE CONCRETE BASE. CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE BIKE PARK DESIGNER AS SOON AS IDENTIFIED.
- BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
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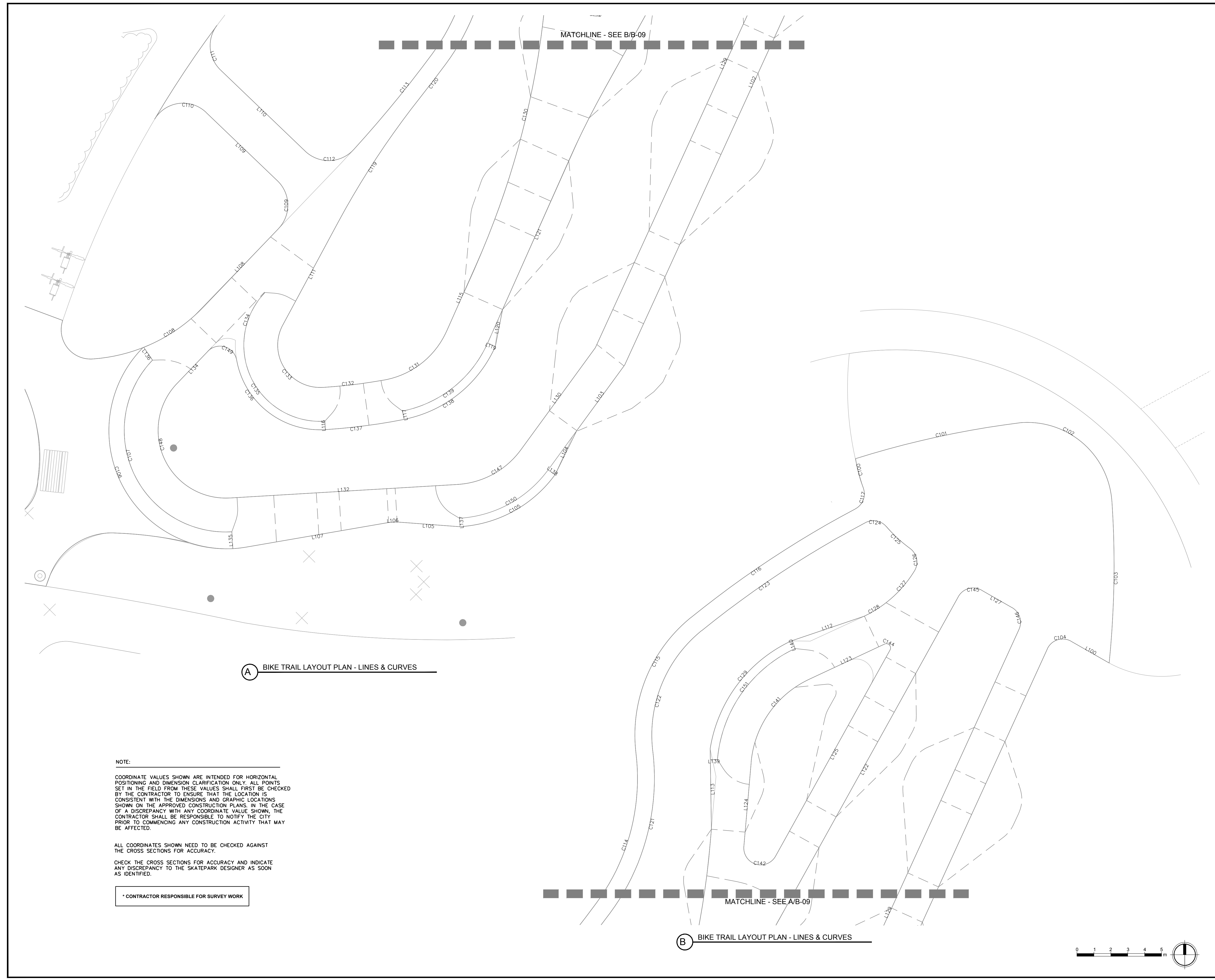
Project:
Mackenzie Bike Park
Location:
 Lot 1 Plan PGP17067 District Lot
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 Rem. LOT 2. PLAN 24200
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Drawing Title: BIKE PARK LAYOUT PLAN & TABLES

VDZ Project #: PR2021-03

Drawing #: B-08



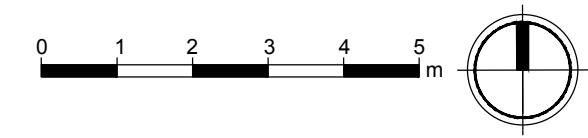
(A) BIKE TRAIL LAYOUT PLAN - LINES & CURVES

(B) BIKE TRAIL LAYOUT PLAN - LINES & CURVES

NOTE:
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 CHECK THE CROSS SECTIONS FOR ACCURACY AND INDICATE ANY DISCREPANCY TO THE SKATEPARK DESIGNER AS SOON AS IDENTIFIED.

CONTRACTOR RESPONSIBLE FOR SURVEY WORK



ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 SECTIONS / PROFILES ON BP-01 THRU BP-06
 DETAILS ON BD-01 THRU BD-02

SURVEY NOTES

- LOCATE ALL SURVEY MARKS INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED. BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.
- VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH PROJECT OWNERS REPRESENTATIVES AND BIKE PARK DESIGNER.
- LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PROTECT ALL PERMANENT REFERENCE POINTS DURING ENTIRE CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED DURING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY FINISH GRADE ELEVATIONS AS SHOWN ON CIVIL ENGINEER'S PLANS AND BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.

SPOT ELEVATION LEGEND

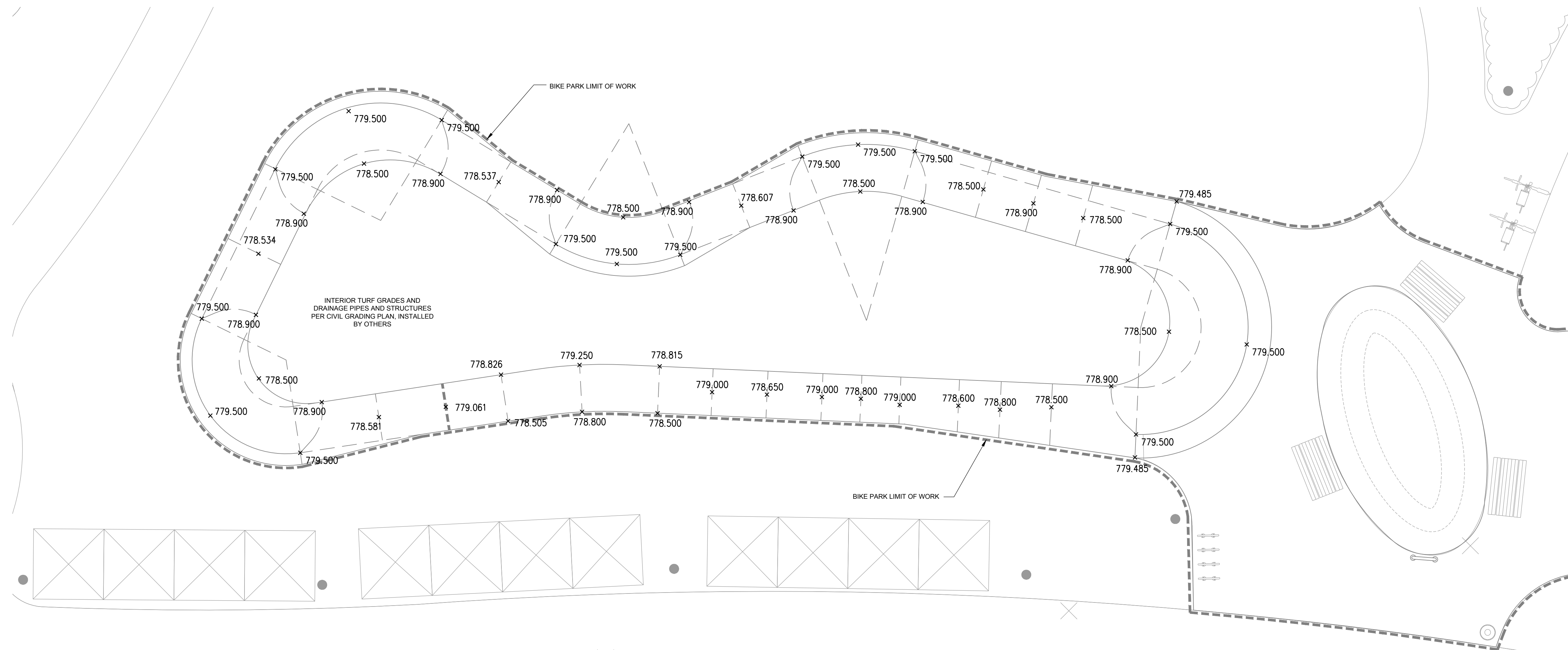
BW	BOTTOM OF WALL
TW	TOP OF WALL
BB	BOTTOM OF BANK
TB	TOP OF BANK
ES	EDGE OF SLAB
TS	TOP OF SLAB
TT	TOP OF TRANSITION
BT	BOTTOM OF TRANSITION
TR	TOP OF RAMP
BR	BOTTOM OF RAMP
RM	RIM OF DRAIN
* RAMP = A BANK WITHOUT A RADIUS AT BOTTOM	

BIKE PARK GRADING & DRAINAGE LEGEND

SYMBOL	DESCRIPTION
	DIRECTION OF SURFACE FLOW
	G.B. BREAK IN GRADE
	F.L. FLOWLINE IN SWALE
	RIM ELEVATION SEE CIVIL PLANS FOR INVERT ELEVATION INFORMATION
	AREA DRAIN INLET BY OTHERS

BIKE PARK GRADING & DRAINAGE NOTES

- FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY BIKE PARK DESIGNER IN THE FIELD.
- ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
- MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
- MAXIMUM SIDEWALK CROSS SLOPE IS 2.0%.
- MAXIMUM SIDEWALK LONGITUDINAL SLOPE IS 5.0%.
- ALL AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
- VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
- REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
- ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADII ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY BIKE PARK DESIGNER.
- CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
- THE GRABS IN THE BIKE PARK HAVE PERFORATIONS IN THE PORTION BELOW THE CONCRETE DECK TO AVOID ANY HYDRO-STATIC LIFT POTENTIAL.
- MAINTAIN ALL EXISTING TREES UNLESS NOTED OTHERWISE ON CIVIL PLANS.
- CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT BIKE PARK DESIGNER IMMEDIATELY.
- CONTRACTOR TO REFER TO CIVIL PLANS FOR FINISH GRADE ELEVATIONS BEYOND BIKE PARK FOOTPRINT.



A PUMP TRACK GRADING & DRAINAGE PLAN

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

REVISIONS TABLE FOR DRAWINGS

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No.	By:	Description	Date

REVISIONS TABLE FOR SHEET

No.	By:	Description	Date

Project:
Mackenzie Bike Park

Location:
Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL	Stamp:
Checked: DJ	
Approved: KR	Original Sheet Size: 24"x36"
Scale:	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REVISIONS TO BE MADE ON DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 SECTIONS / PROFILES ON BP-01 THRU BP-06
 DETAILS ON BD-01 THRU BD-02

BIKE PARK GRADING & DRAINAGE NOTES

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- ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
- MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
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- REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
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- CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
- THE DRAINS IN THE BIKE PARK HAVE PERFORATIONS IN THE PORTION BELOW THE CONCRETE DECK TO AVOID ANY HYDRO-STATIC LIFT POTENTIAL.
- MAINTAIN ALL EXISTING TREES UNLESS NOTED OTHERWISE ON CIVIL PLANS.
- CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT BIKE PARK DESIGNER IMMEDIATELY.
- CONTRACTOR TO REFER TO CIVIL PLANS FOR FINISH GRADE ELEVATIONS BEYOND BIKE PARK FOOTPRINT.

SURVEY NOTES

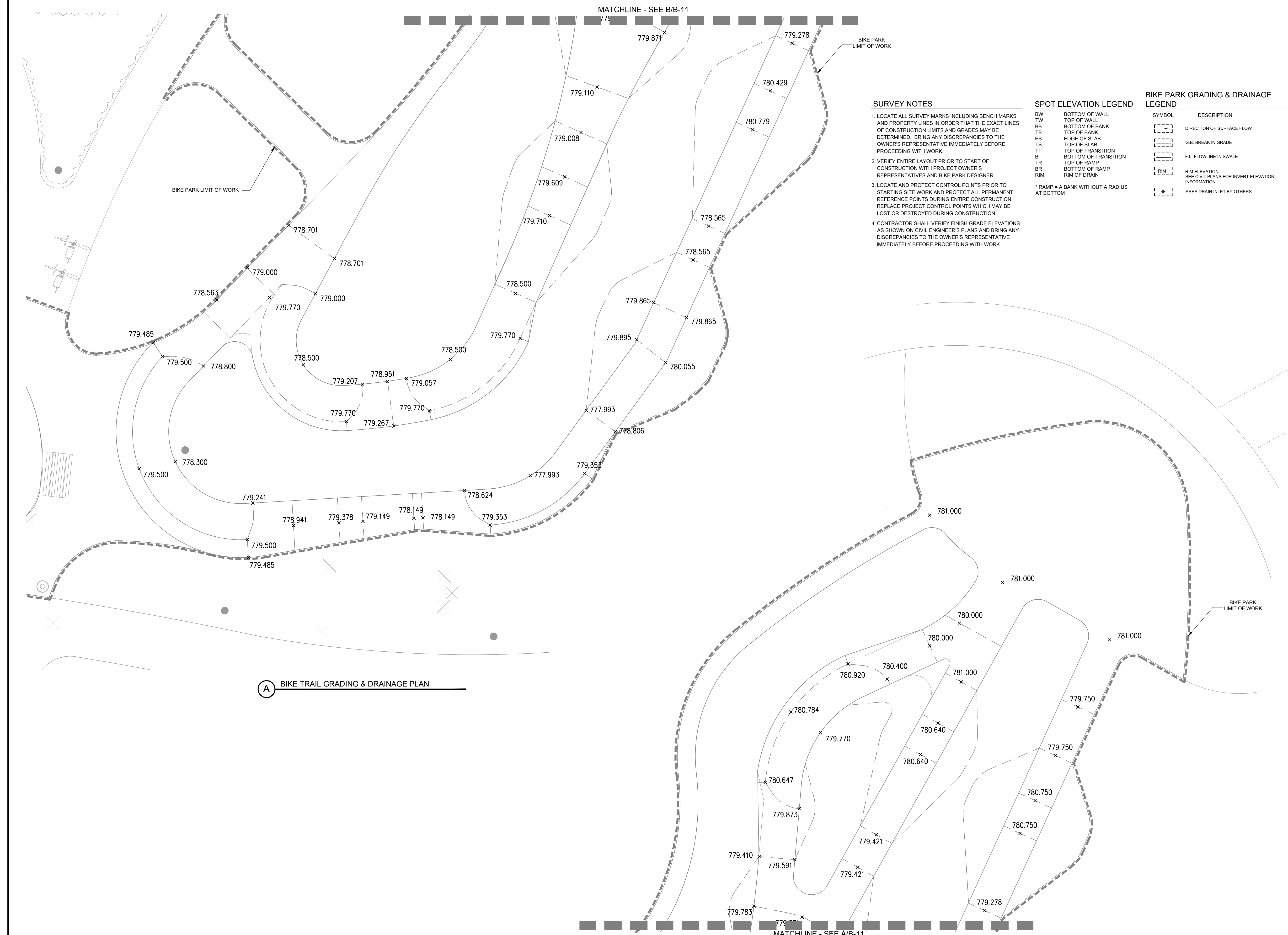
- LOCATE ALL SURVEY MARKS INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED. BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.
- VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH PROJECT OWNERS REPRESENTATIVES AND BIKE PARK DESIGNER.
- LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PROTECT ALL PERMANENT REFERENCE POINTS DURING ENTIRE CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED DURING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY FINISH GRADE ELEVATIONS AS SHOWN ON CIVIL ENGINEER'S PLANS AND BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.

SPOT ELEVATION LEGEND

BW	BOTTOM OF WALL
TW	TOP OF WALL
BB	BOTTOM OF BANK
TB	TOP OF BANK
ES	EDGE OF SLAB
TS	TOP OF SLAB
TT	TOP OF TRANSITION
BT	BOTTOM OF TRANSITION
TR	TOP OF RAMP
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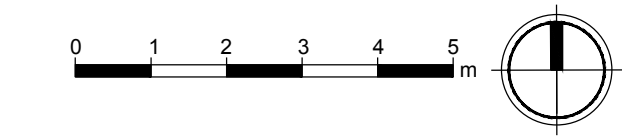
BIKE PARK GRADING & DRAINAGE LEGEND

SYMBOL	DESCRIPTION
	DIRECTION OF SURFACE FLOW
	G.B. BREAK IN GRADE
	F.L. FLOWLINE IN SWALE
	RIM ELEVATION SEE CIVIL PLANS FOR INVERT ELEVATION INFORMATION
	AREA DRAIN INLET BY OTHERS



A BIKE TRAIL GRADING & DRAINAGE PLAN

B BIKE TRAIL GRADING & DRAINAGE PLAN



No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
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No.	By:	Description	Date

REVISIONS TABLE FOR SHEET

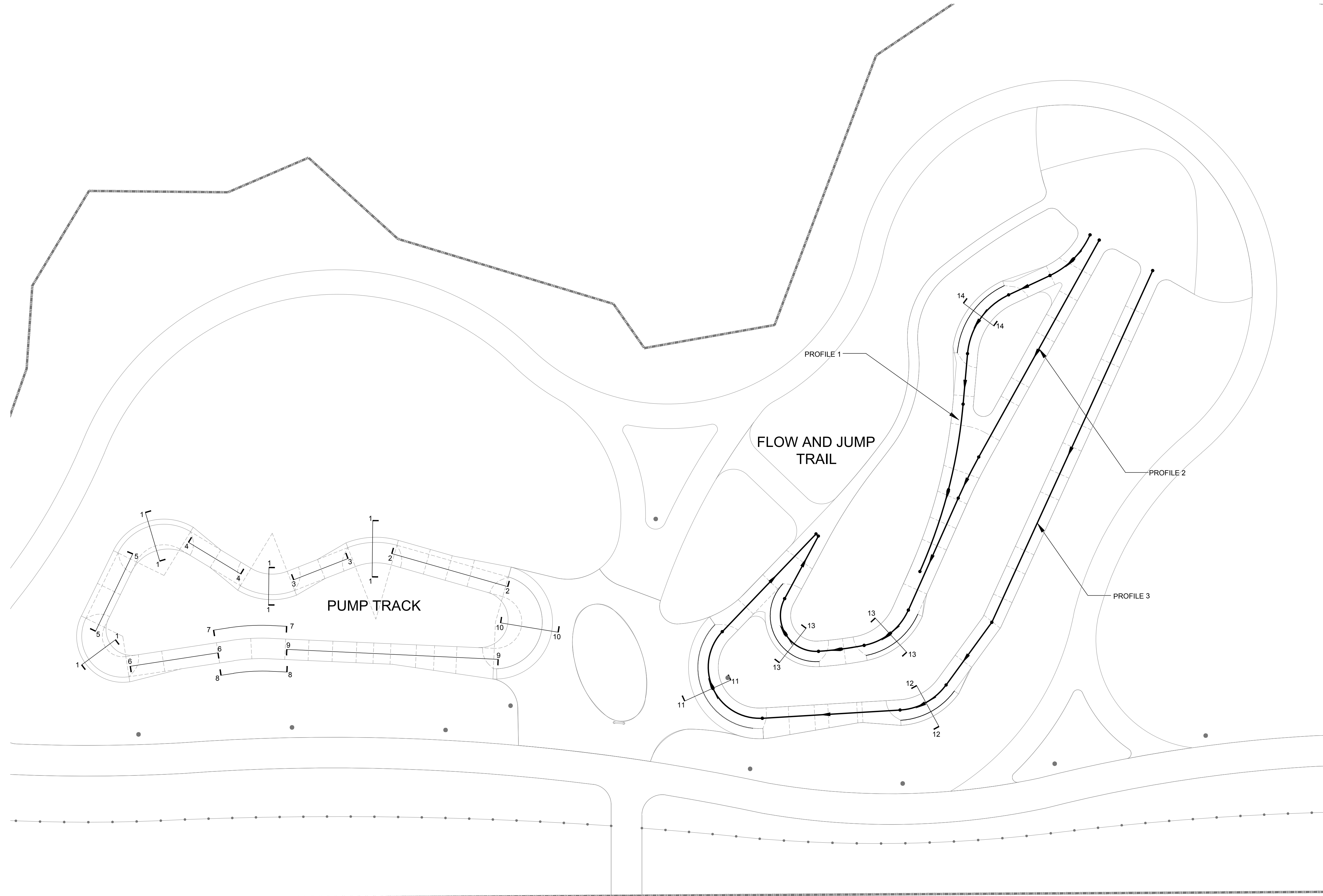
Project:
Mackenzie Bike Park
 Location:
 Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
 Rem. LOT 2. PLAN 24200
 Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL	Stamp:
Checked: DJ	
Approved: KR	Original Sheet Size: 24"x36"
Scale:	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REVISIONS TO DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 DETAILS ON BD-01 THRU BD-02
 SECTION ON BS-02 THRU BS-04

BIKE PARK SECTIONS / PROFILES NOTES

1. ALL SECTION DIMENSIONS ARE EITHER AT TOP OF FINISH SURFACE AND FINISH GRADE UNLESS OTHERWISE NOTED.
2. REFER TO BIKE PARK LAYOUT PLAN SHEETS FOR ACTUAL HORIZONTAL LOCATIONS.
3. FINAL GRADE EARTHWORK AND FORM WORK TO BE REVIEWED AND APPROVED BY BIKE PARK DESIGNER. BIKE PARK DESIGN TEAM RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO FULFILL THE DESIGN INTENT.
4. DUE TO THE UNIQUE AND SCULPTURAL ASPECTS OF THE BIKE PARK, THE LOCATION OF THE DIMENSIONS IN THE SECTIONS NEED TO BE CROSS REFERENCED BY THE BIKE PARK LAYOUT PLAN.
5. SPECIALTY CONTRACTOR SHALL HAVE EXTENSIVE KNOWLEDGE AND EXPERIENCE OF BIKE PARK CONSTRUCTION AND/ OR FREEFORM PRECISION ASPHALT AND SPACIALTY SOIL MIX FORMING, AND APPLICATION TO PROPERLY INTERPRET SECTIONS / PROFILES.
6. ALL BIKE PARK WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECTS TECHNICAL SPECIFICATIONS.



No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
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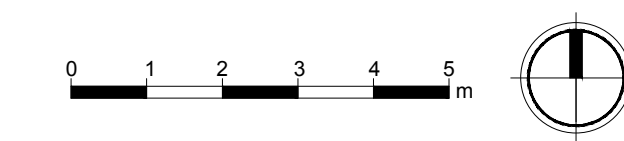
No.	By:	Description	Date
REVISIONS TABLE FOR SHEET			

Project:
Mackenzie Bike Park
 Location:
 Lot 1 Plan PGP17067 District Lot
 12463 Land District 05 Except Plan
 PGP18664
 Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot
 12463 Land District 05 Except Plan
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ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 DETAILS ON BD-01 THRU BD-02
 KEY PLAN ON BS-01

BIKE PARK SPECIALTY WORK LEGEND

- SPECIALTY ASPHALT WORK WITHIN BIKE PARK SCOPE TO BE PERFORMED BY EITHER GENERAL CONTRACTOR OR BIKE PARK SPECIALTY CONTRACTOR
- SPECIALTY SOIL MIX TO BE INSTALLED BY BIKE PARK SPECIALTY CONTRACTOR
- WOOD LIP TO BE INSTALLED BY BIKE PARK SPECIALTY CONTRACTOR

BIKE PARK SECTIONS / PROFILES NOTES

1. ALL SECTION DIMENSIONS ARE EITHER AT TOP OF FINISH SURFACE AND FINISH GRADE UNLESS OTHERWISE NOTED.
2. REFER TO BIKE PARK LAYOUT PLAN SHEETS FOR ACTUAL HORIZONTAL LOCATIONS.
3. FINAL GRADE EARTHWORK AND FORM WORK TO BE REVIEWED AND APPROVED BY BIKE PARK DESIGNER. BIKE PARK DESIGN TEAM RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO FULFILL THE DESIGN INTENT.
4. DUE TO THE UNIQUE AND SCULPTURAL ASPECTS OF THE BIKE PARK, THE LOCATION OF THE DIMENSIONS IN THE SECTIONS NEED TO BE CROSS REFERENCED BY THE BIKE PARK LAYOUT PLAN.
5. SPECIALTY CONTRACTOR SHALL HAVE EXTENSIVE KNOWLEDGE AND EXPERIENCE OF BIKE PARK CONSTRUCTION AND/ OR FREEFORM PRECISION ASPHALT AND SPACIALITY SOIL MIX FORMING, AND APPLICATION TO PROPERLY INTERPRET SECTIONS / PROFILES.
6. ALL BIKE PARK WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

REVISIONS TABLE FOR DRAWINGS

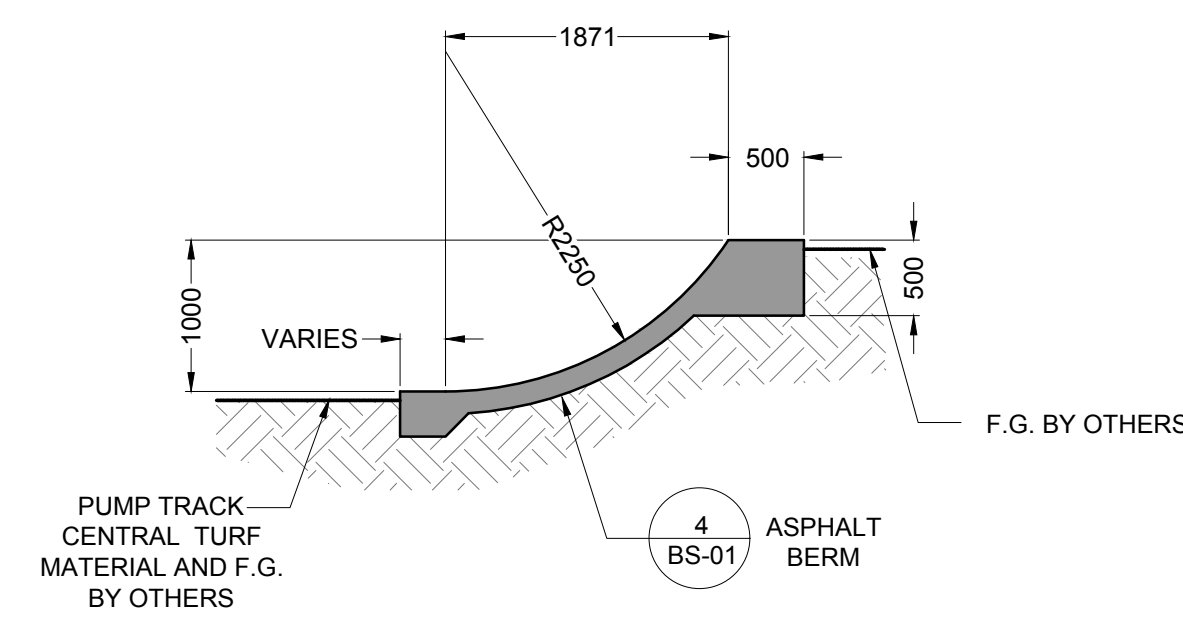
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No.	By:	Description	Date
REVISIONS TABLE FOR SHEET			

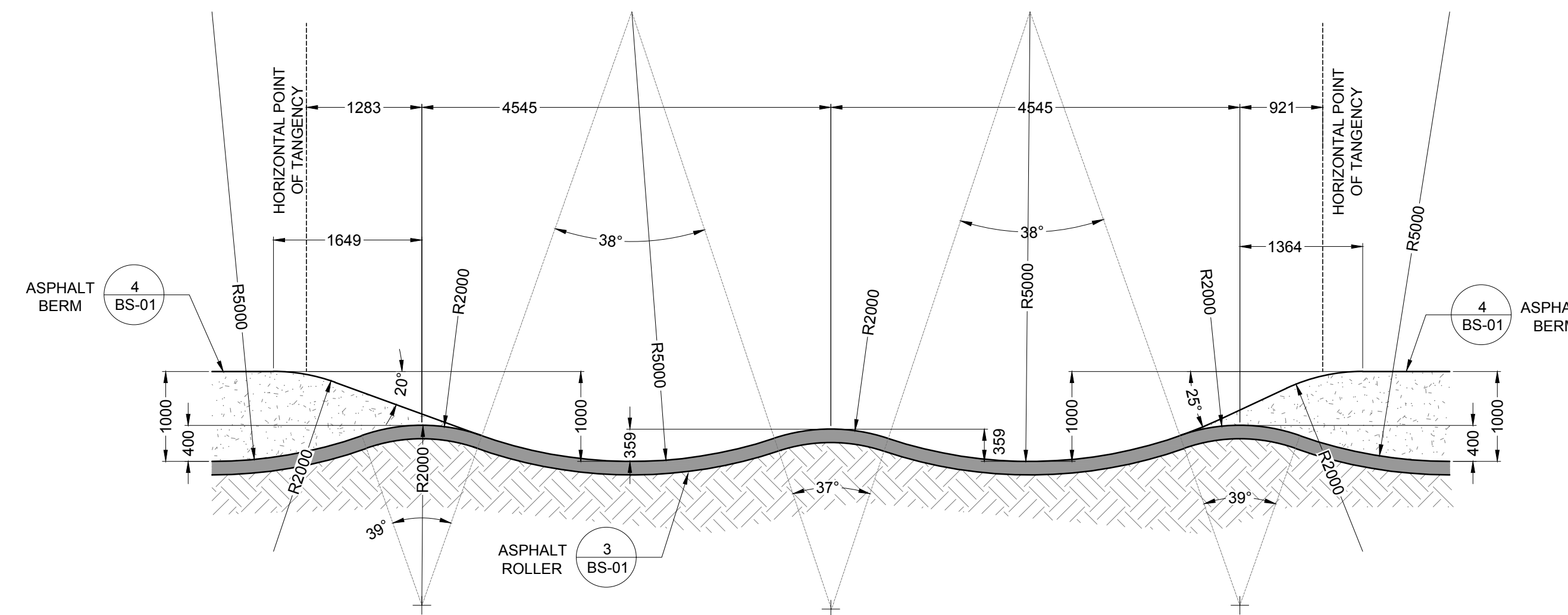
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Mackenzie Bike Park
 Location:
Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
 Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

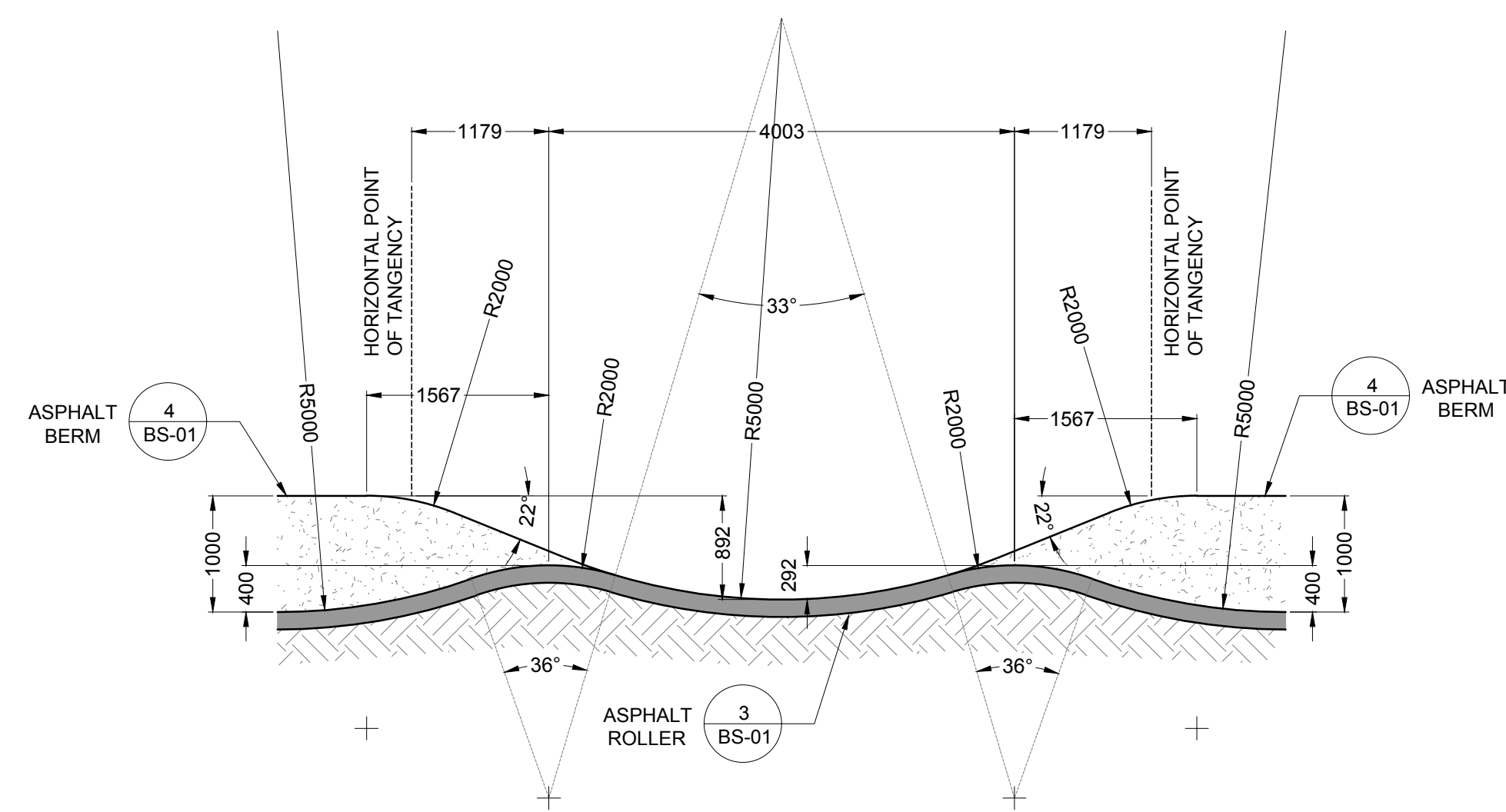
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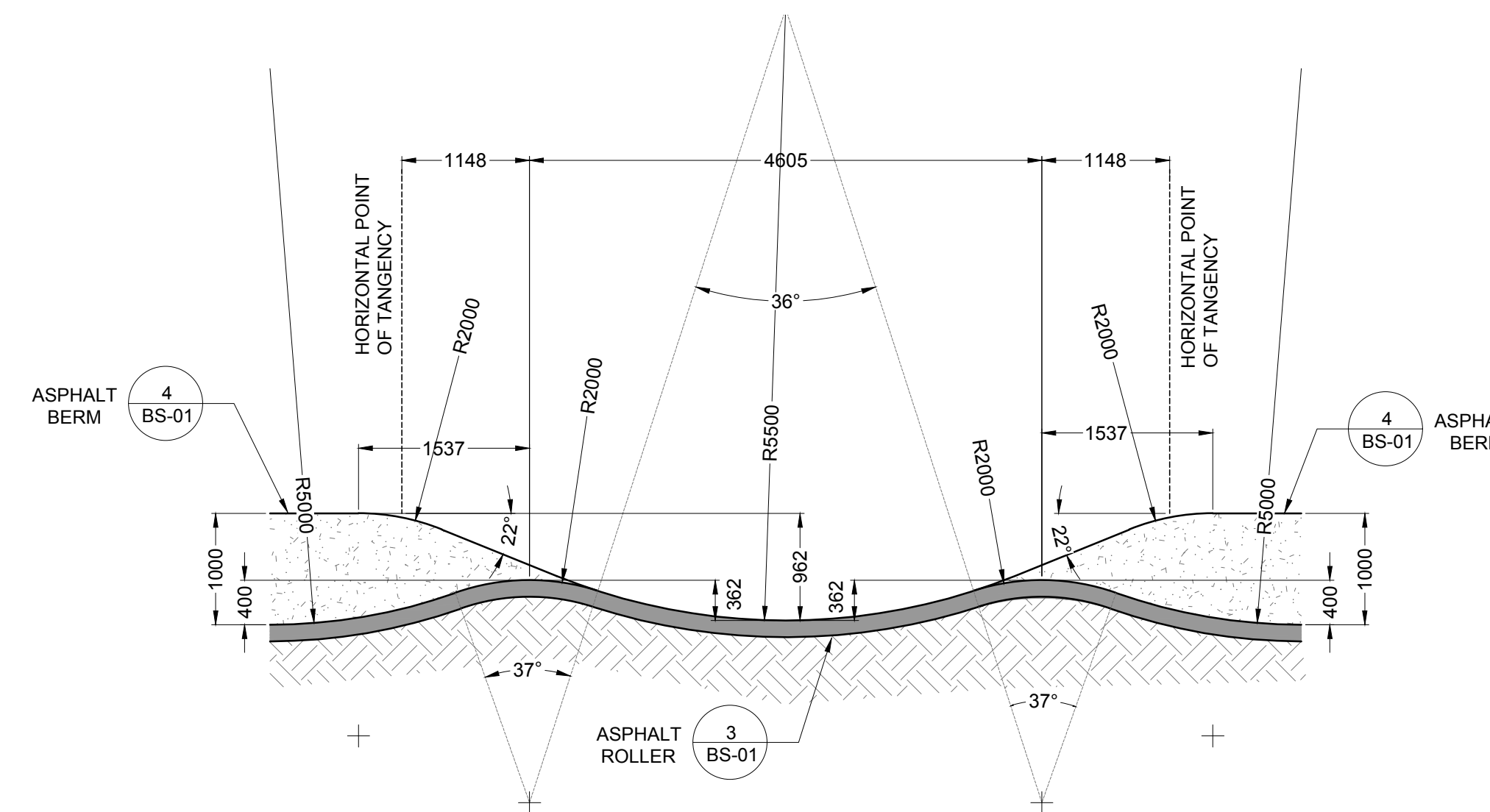
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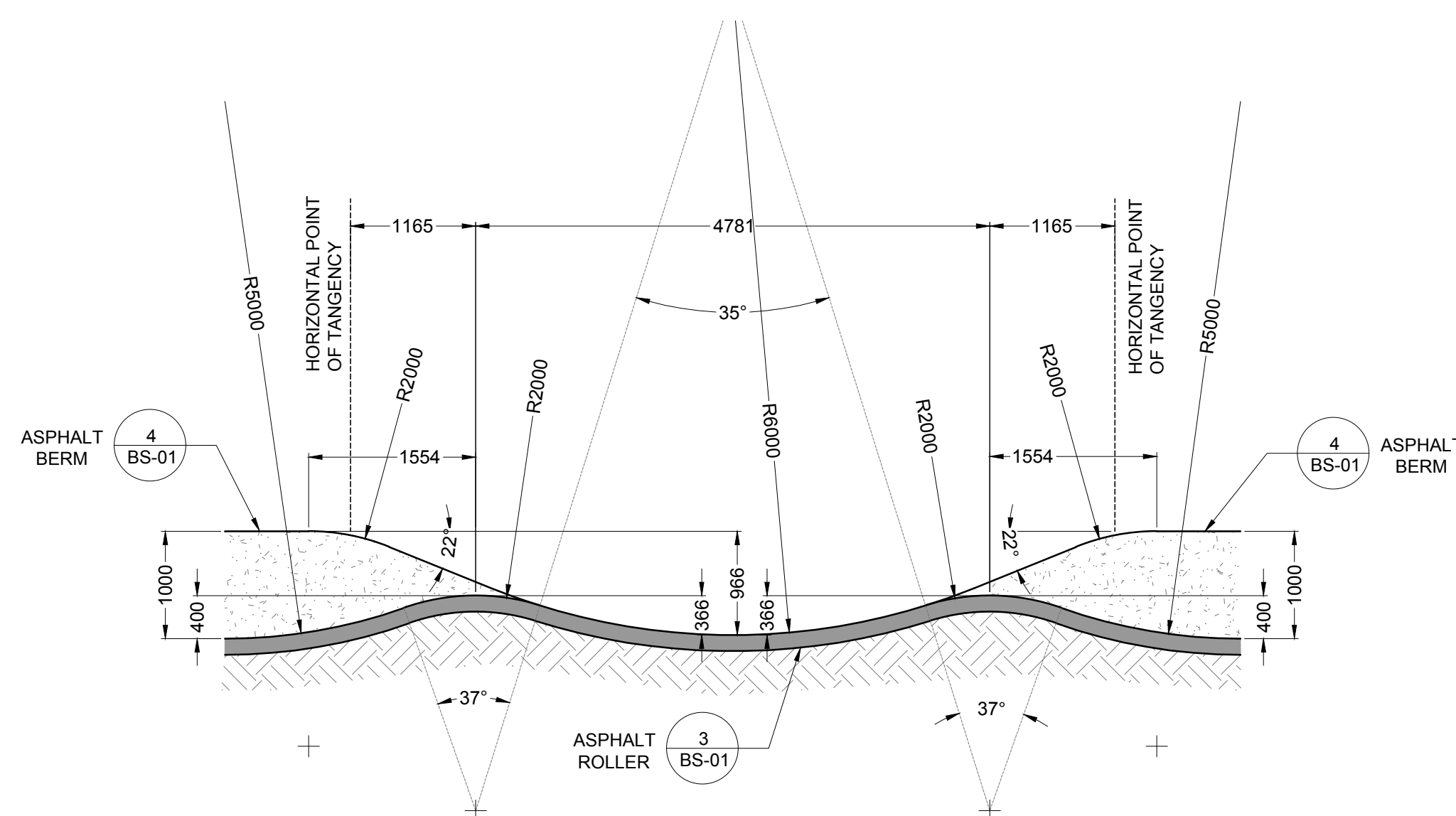
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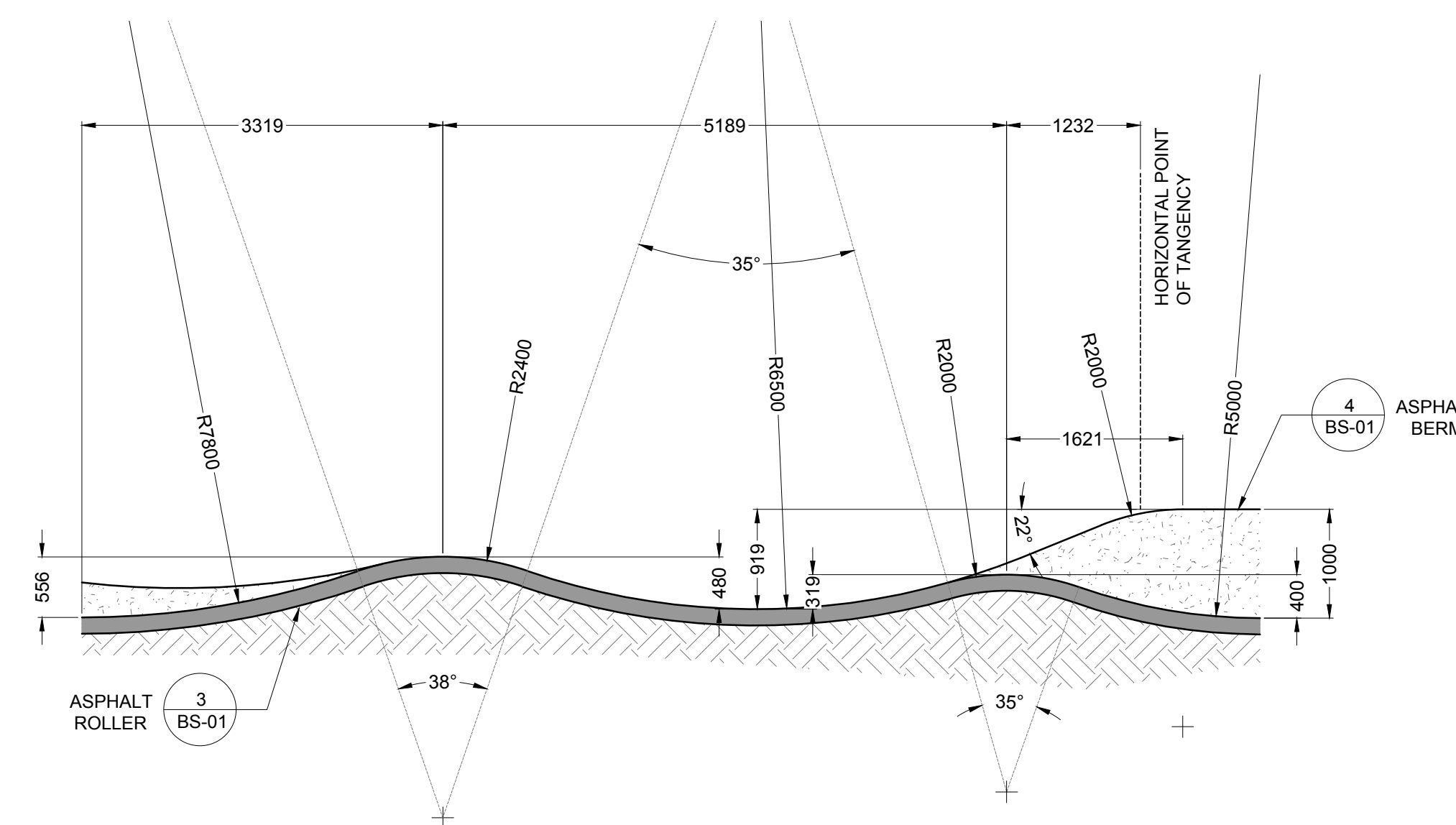
3 PUMP TRACK - SECTION



4 PUMP TRACK - SECTION



5 PUMP TRACK - SECTION



6 PUMP TRACK - SECTION




Drawing Title: BIKE PARK SECTIONS

VDZ Project #: PR2021-03

Drawing #: BS-02

ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 DETAILS ON BD-01 THRU BD-02
 KEY PLAN ON BS-01

BIKE PARK SPECIALTY WORK LEGEND

-  SPECIALTY ASPHALT WORK WITHIN BIKE PARK SCOPE TO BE PERFORMED BY EITHER GENERAL CONTRACTOR OR BIKE PARK SPECIALTY CONTRACTOR
-  SPECIALTY SOIL MIX TO BE INSTALLED BY BIKE PARK SPECIALTY CONTRACTOR
-  WOOD LIP TO BE INSTALLED BY BIKE PARK SPECIALTY CONTRACTOR

BIKE PARK SECTIONS / PROFILES NOTES

1. ALL SECTION DIMENSIONS ARE EITHER AT TOP OF FINISH SURFACE AND FINISH GRADE UNLESS OTHERWISE NOTED.
2. REFER TO BIKE PARK LAYOUT PLAN SHEETS FOR ACTUAL HORIZONTAL LOCATIONS.
3. FINAL GRADE EARTHWORK AND FORM WORK TO BE REVIEWED AND APPROVED BY BIKE PARK DESIGNER. BIKE PARK DESIGN TEAM RESERVES THE RIGHT TO MAKE FIELD ADJUSTMENTS AS NECESSARY TO FULFILL THE DESIGN INTENT.
4. DUE TO THE UNIQUE AND SCULPTURAL ASPECTS OF THE BIKE PARK, THE LOCATION OF THE DIMENSIONS IN THE SECTIONS NEED TO BE CROSS REFERENCED BY THE BIKE PARK LAYOUT PLAN.
5. SPECIALTY CONTRACTOR SHALL HAVE EXTENSIVE KNOWLEDGE AND EXPERIENCE OF BIKE PARK CONSTRUCTION AND/ OR FREEFORM PRECISION ASPHALT AND SPACIALITY SOIL MIX FORMING, AND APPLICATION TO PROPERLY INTERPRET SECTIONS / PROFILES.
6. ALL BIKE PARK WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECTS TECHNICAL SPECIFICATIONS.

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

REVISIONS TABLE FOR DRAWINGS

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No.	By:	Description	Date
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REVISIONS TABLE FOR SHEET

Project:
Mackenzie Bike Park
 Location:
Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
 Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

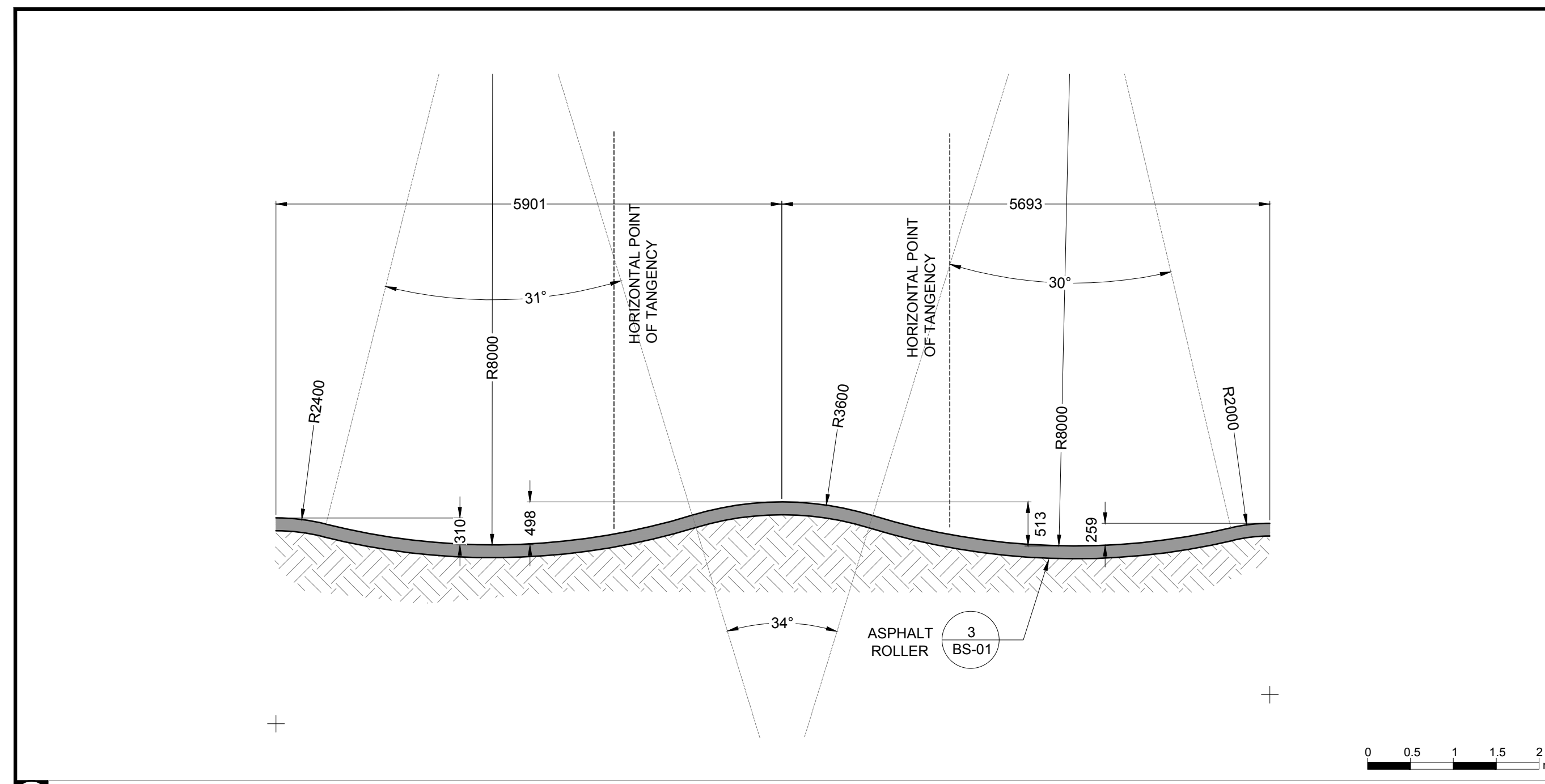
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CL

Checked:
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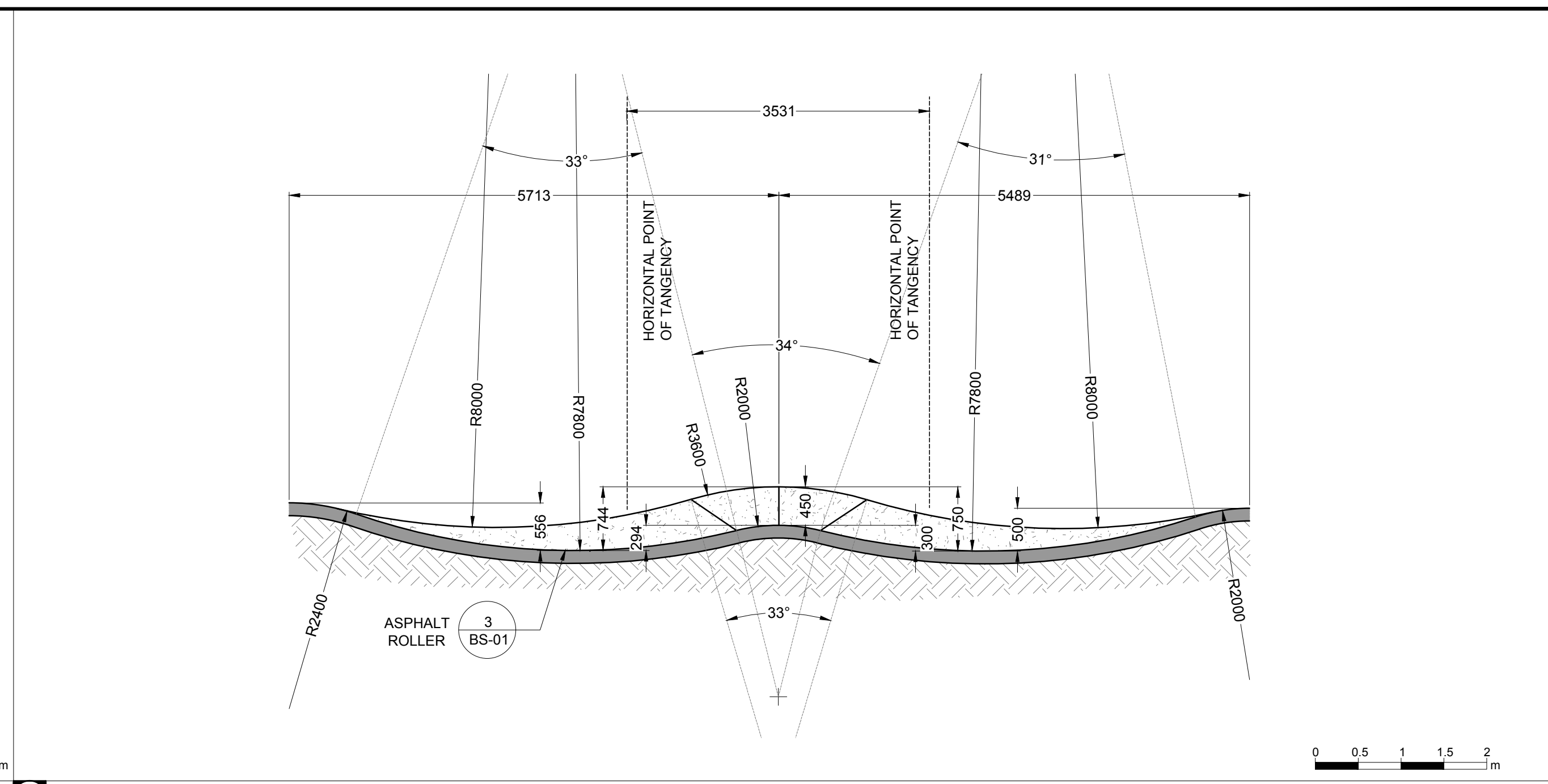
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Stamp:
Original Sheet Size:
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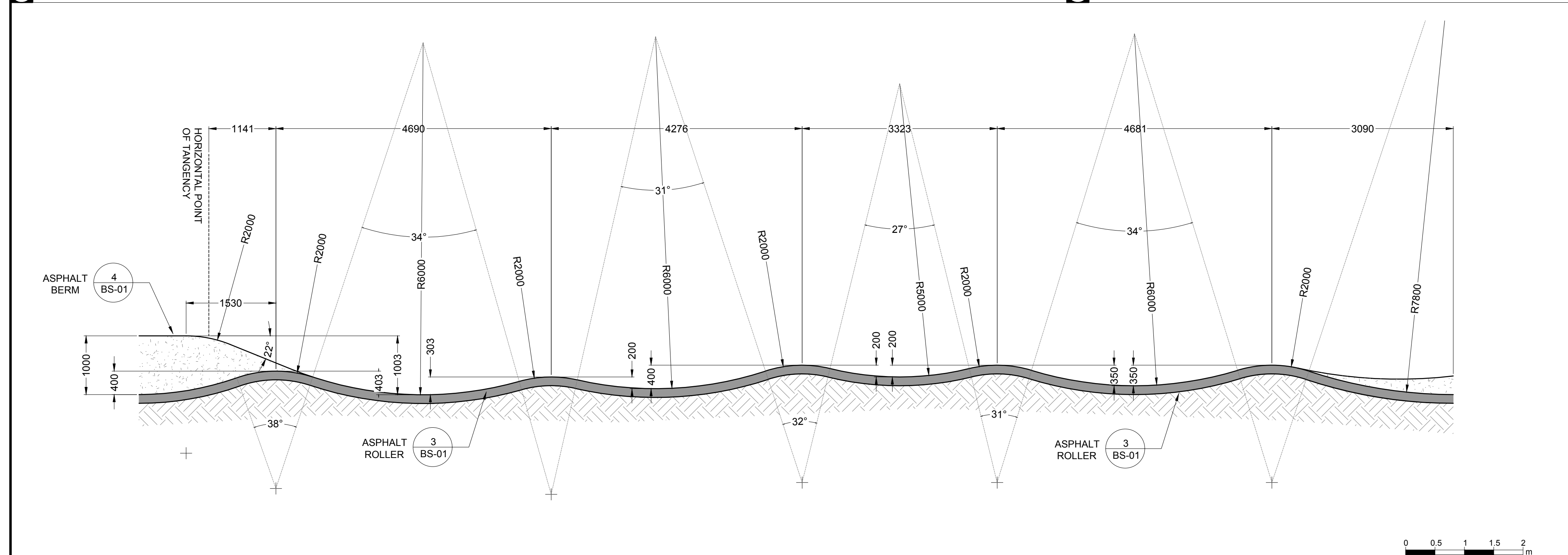
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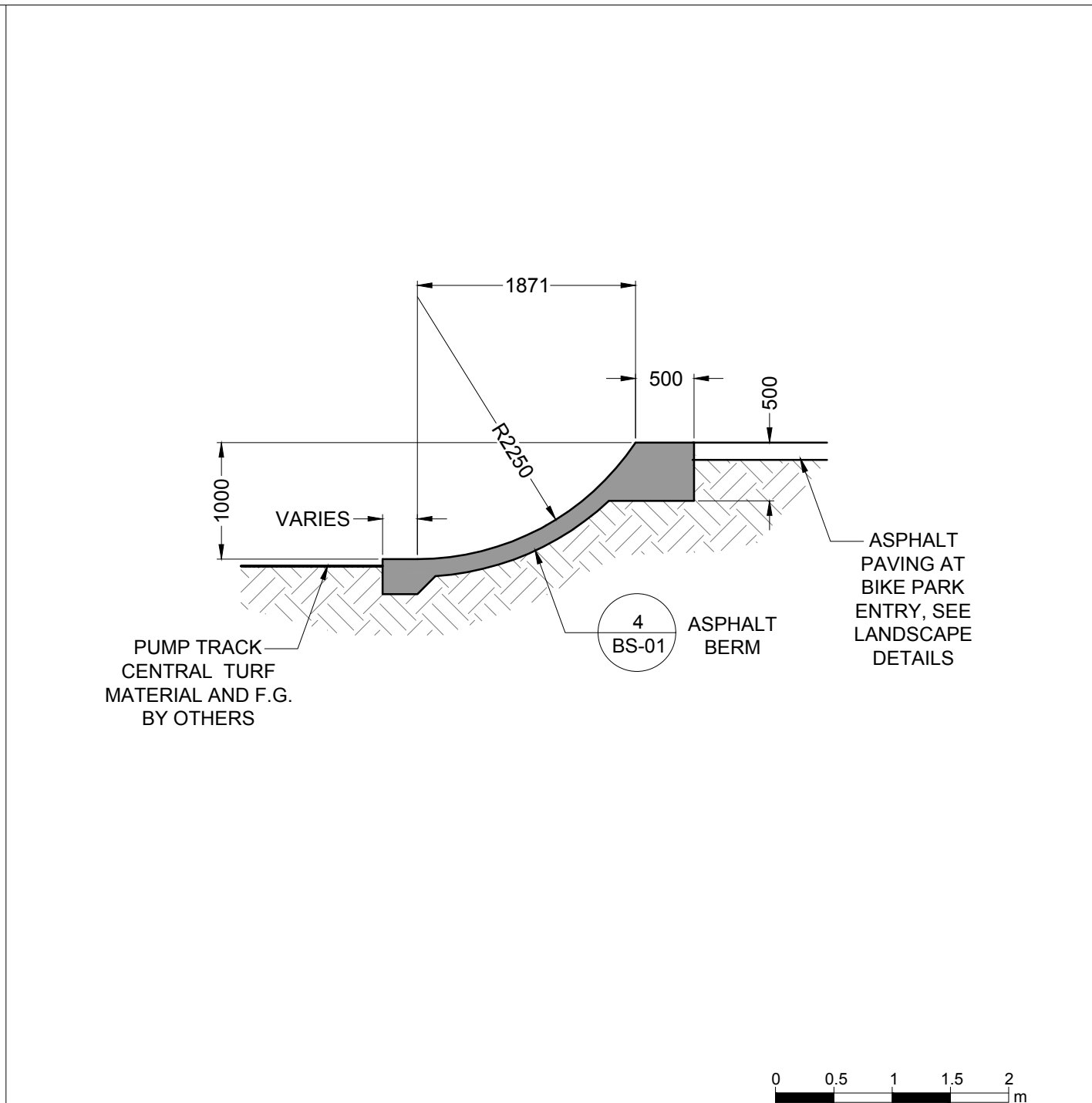
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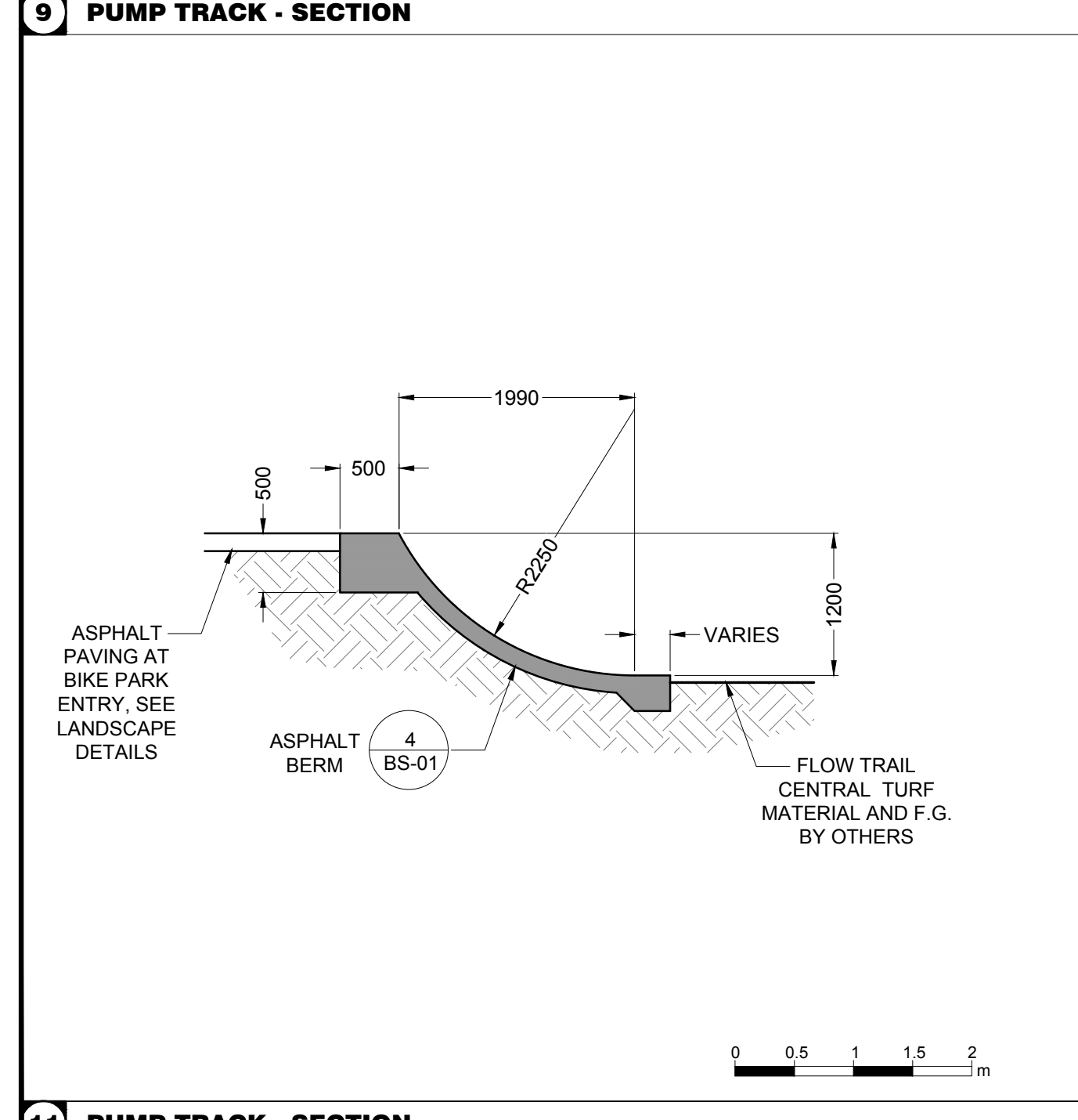
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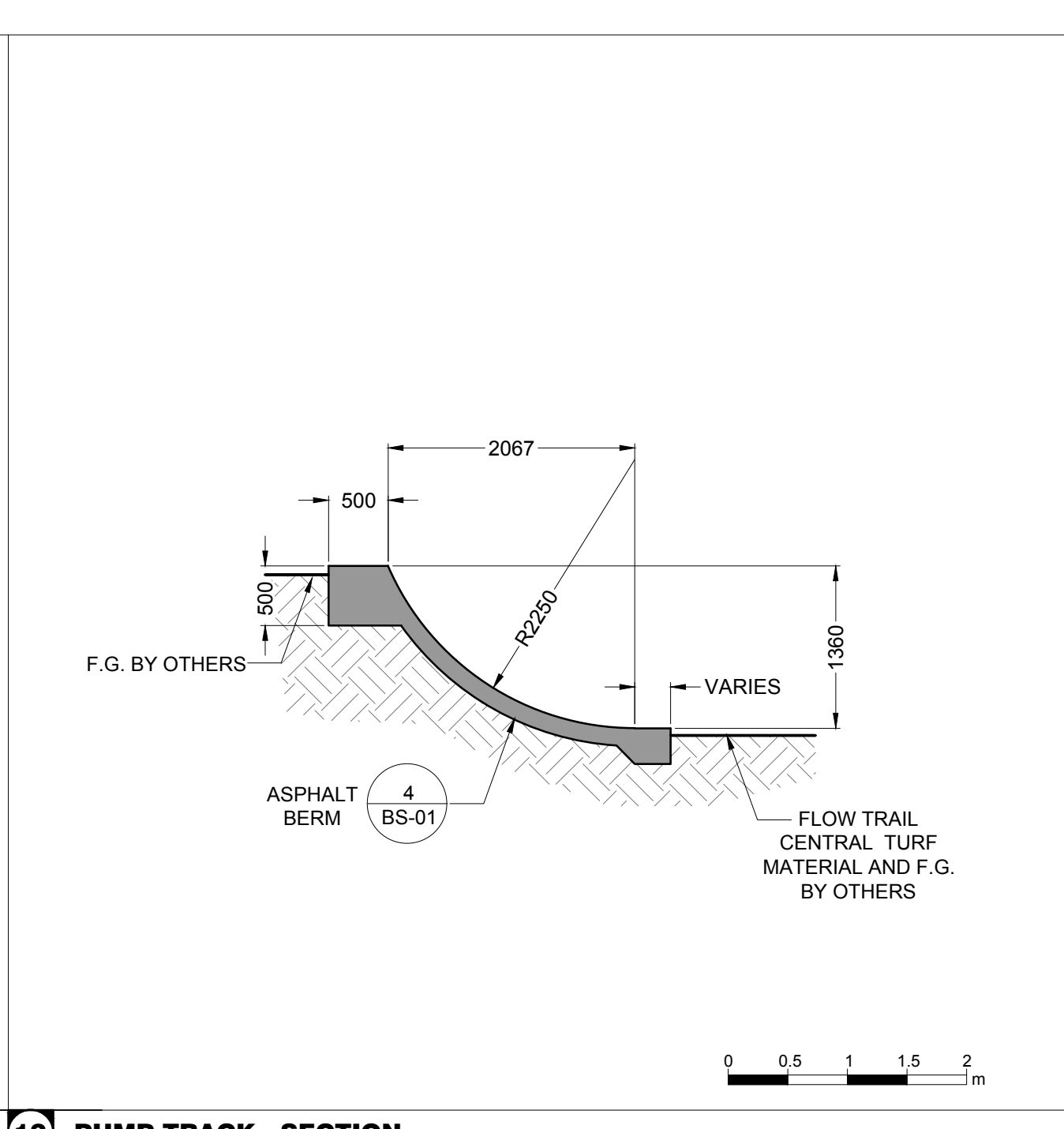
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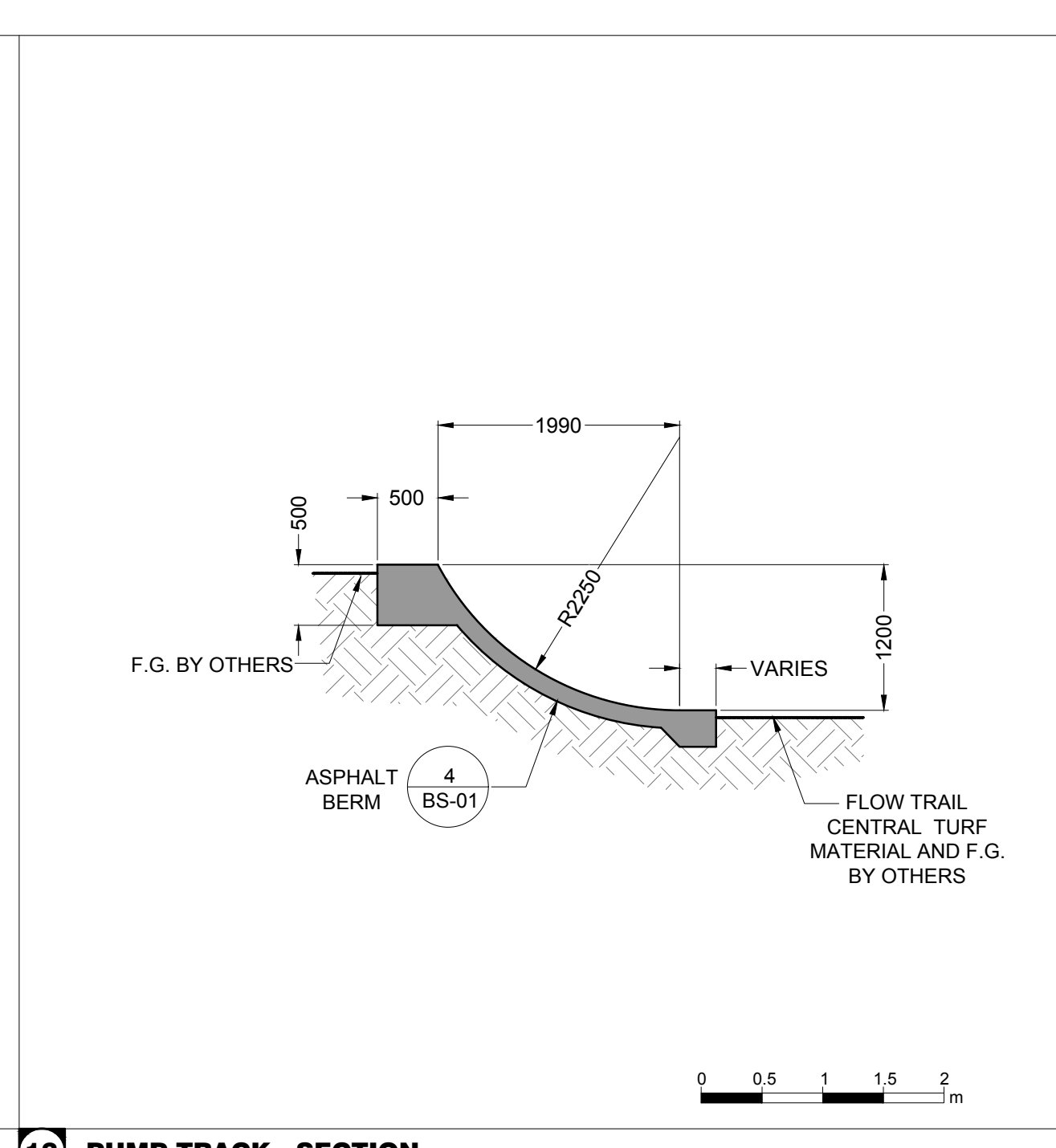
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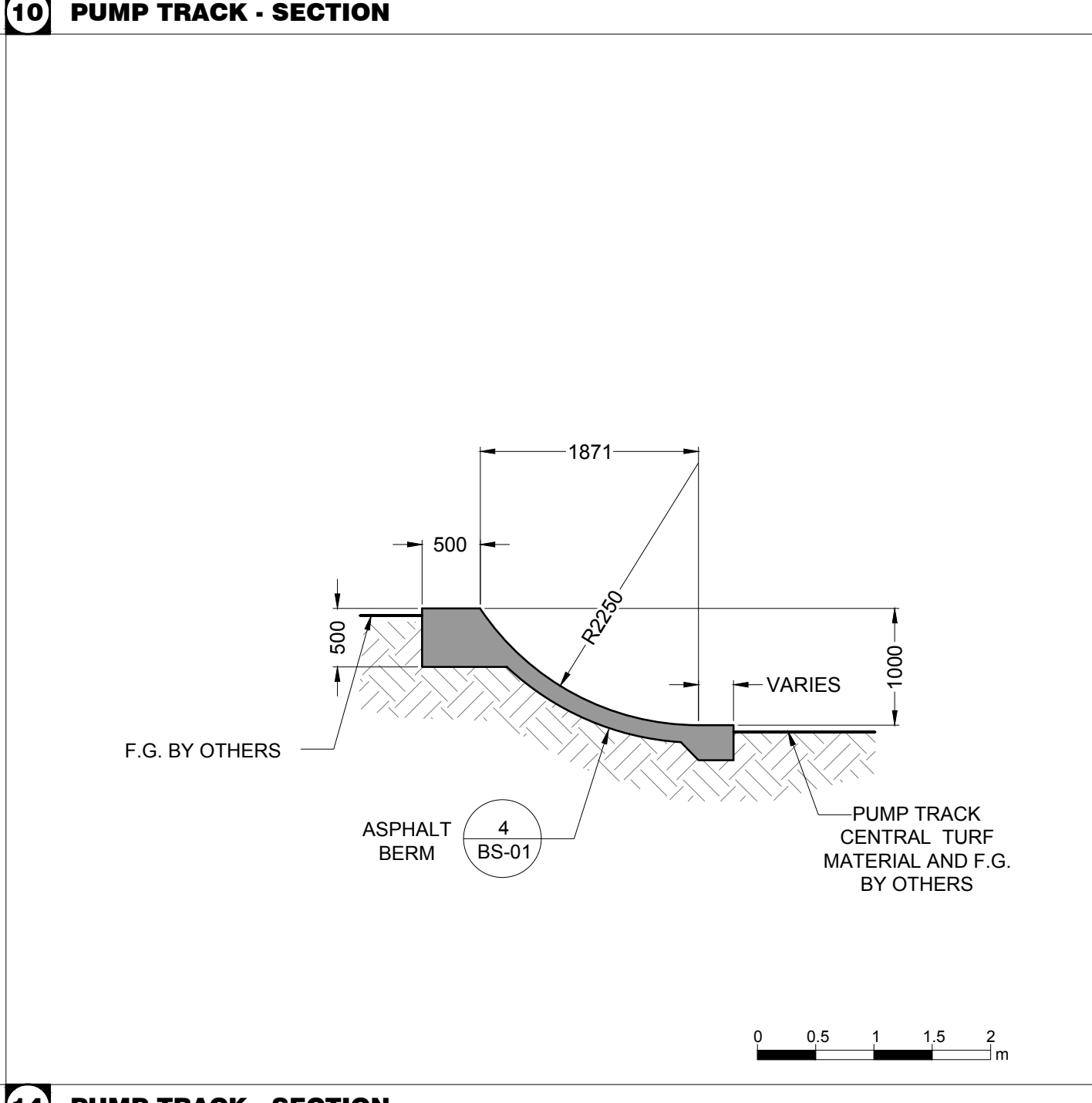
11 PUMP TRACK - SECTION



12 PUMP TRACK - SECTION



13 PUMP TRACK - SECTION



14 PUMP TRACK - SECTION

Drawing Title:
BIKE PARK SECTIONS

VDZ Project #:
PR2021-03

Drawing #:
BS-03

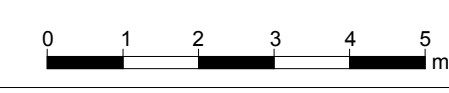
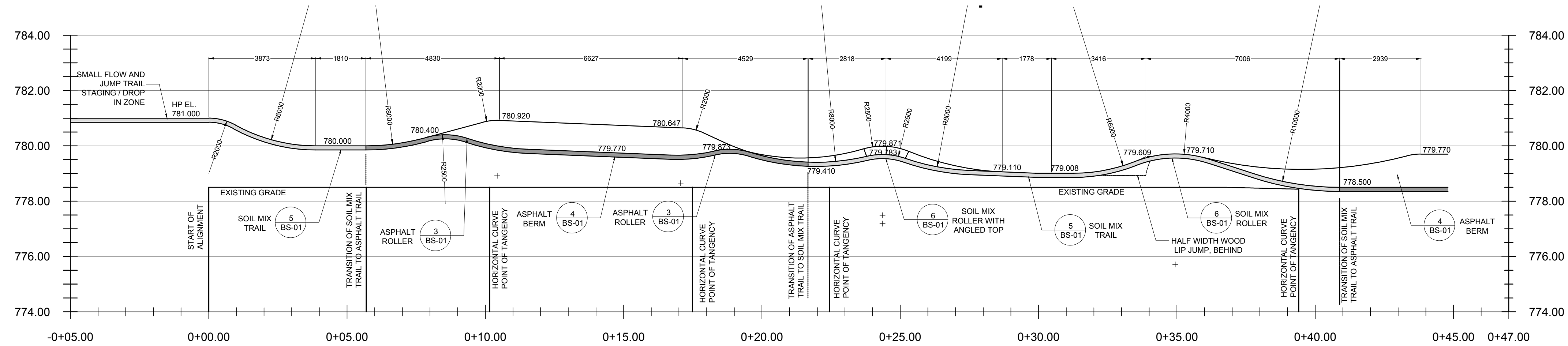
ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 DETAILS ON BD-01 THRU BD-02
 KEY PLAN ON BS-01

BIKE PARK SPECIALTY WORK LEGEND

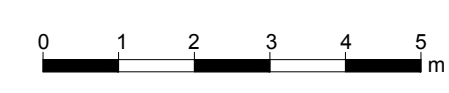
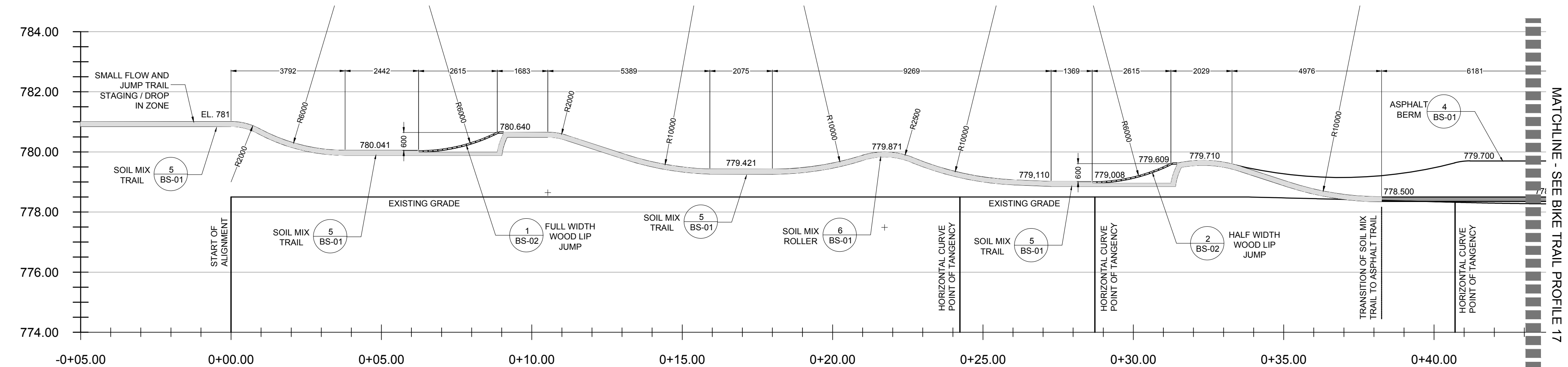
- SPECIALTY ASPHALT WORK WITHIN BIKE PARK SCOPE TO BE PERFORMED BY EITHER GENERAL CONTRACTOR OR BIKE PARK SPECIALTY CONTRACTOR
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BIKE PARK SECTIONS / PROFILES NOTES

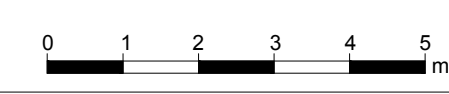
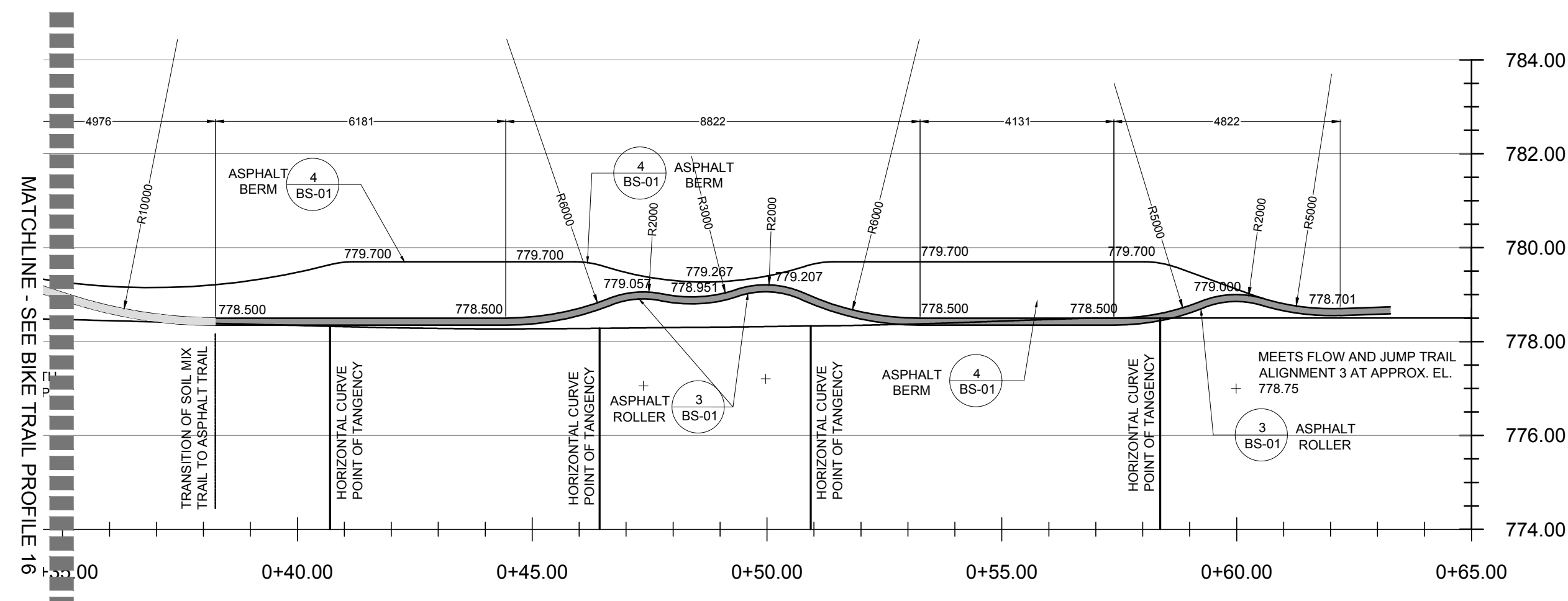
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15 BIKE TRAIL - PROFILE



16 BIKE TRAIL - PROFILE



17 BIKE TRAIL - PROFILE

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

REVISIONS TABLE FOR DRAWINGS

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REVISIONS TABLE FOR SHEET

Project: Mackenzie Bike Park
Location: Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664 Rem. LOT 2. PLAN 24200
 Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL	Stamp:
Checked: DJ	
Approved: KR	Original Sheet Size: 24"x36"
Scale:	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REVISIONS TO DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.




Drawing Title: BIKE PARK SECTIONS

VDZ Project #: PR2021-03

Drawing #: BS-04

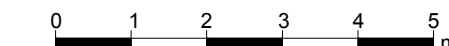
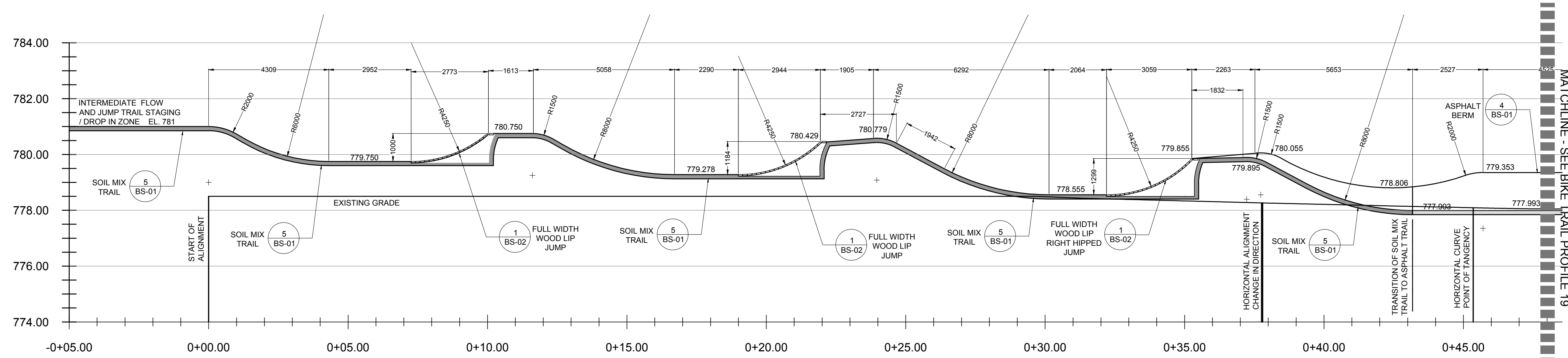
ALL DIMENSIONS, IF ANY, IN MILLIMETRES
 DETAILS ON BD-01 THRU BD-02
 KEY PLAN ON BS-01

BIKE PARK SPECIALTY WORK LEGEND

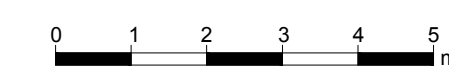
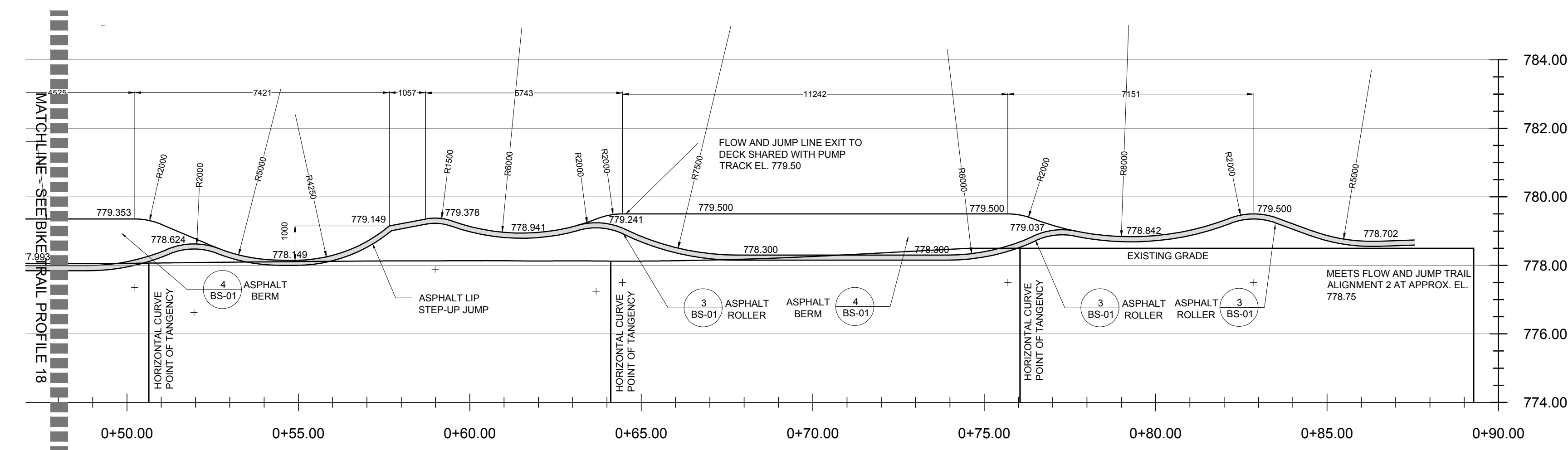
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18 BIKE TRAIL - PROFILE



19 BIKE TRAIL - PROFILE

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

REVISIONS TABLE FOR DRAWINGS

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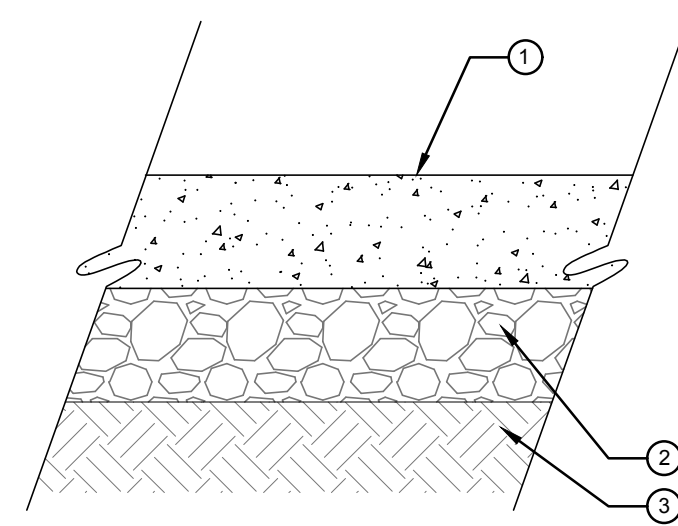
REVISIONS TABLE FOR SHEET

Project:
Mackenzie Bike Park
 Location:
 Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664
 Rem. LOT 2. PLAN 24200
 Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL	Stamp:
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Approved: KR	Original Sheet Size: 24"x36"
Scale:	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REVISIONS TO DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

BIKE TRAIL - SECTION

Drawing Title: **BIKE PARK SECTIONS**
 Drawing #: **PR2021-03**
BS-05

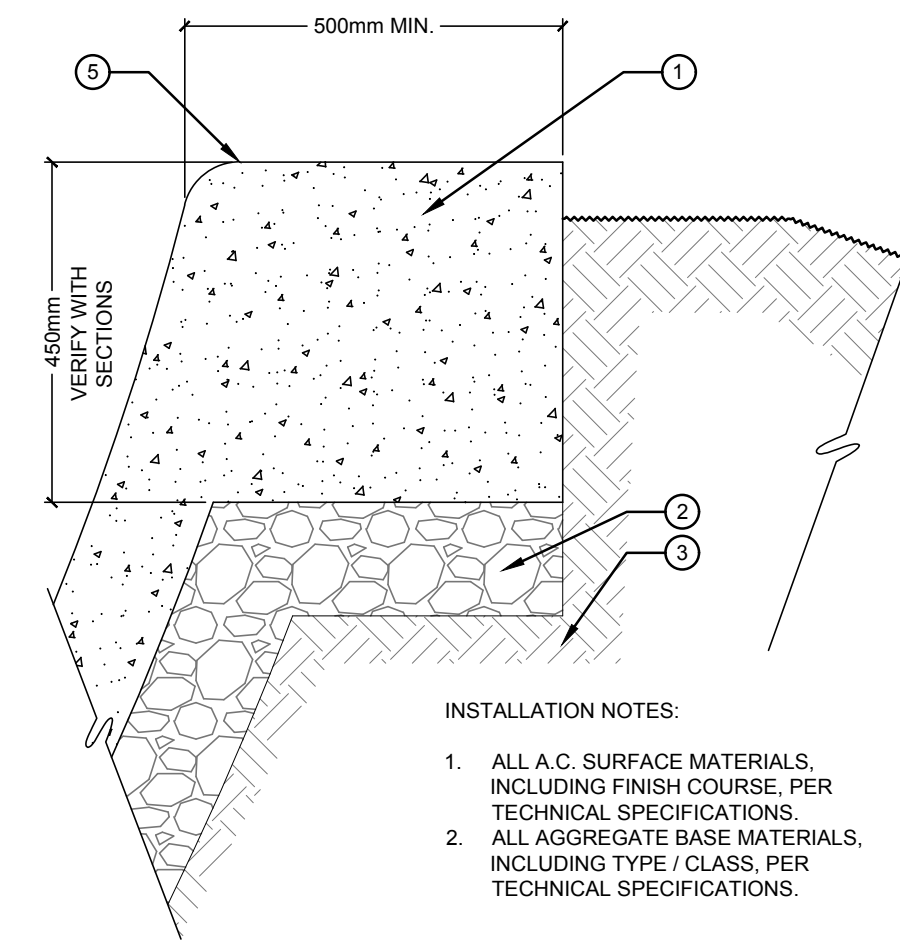


- ① 150mm HAND LAID & COMPACTED SPECIALTY ASPHALT, 1.5% CROSS SLOPE OR CENTRE CROWN, FIELD FIT.
- ② 150mm BASE OF DENSE GRADED CRUSHED STONE, FIELD FIT MAY REQUIRE THICKER BUILDUP TO CREATE FEATURES.
- ③ 300mm SUBGRADE STRIPPED OF ORGANICS & COMPACTED TO 95% SPD

INSTALLATION NOTES:

- 1. ALL A.C. SURFACE MATERIALS, INCLUDING FINISH COURSE, PER TECHNICAL SPECIFICATIONS.
- 2. ALL AGGREGATE BASE MATERIALS, INCLUDING TYPE / CLASS, PER TECHNICAL SPECIFICATIONS.

1 TYPICAL SPECIALTY ASPHALT
SCALE 1 : 10

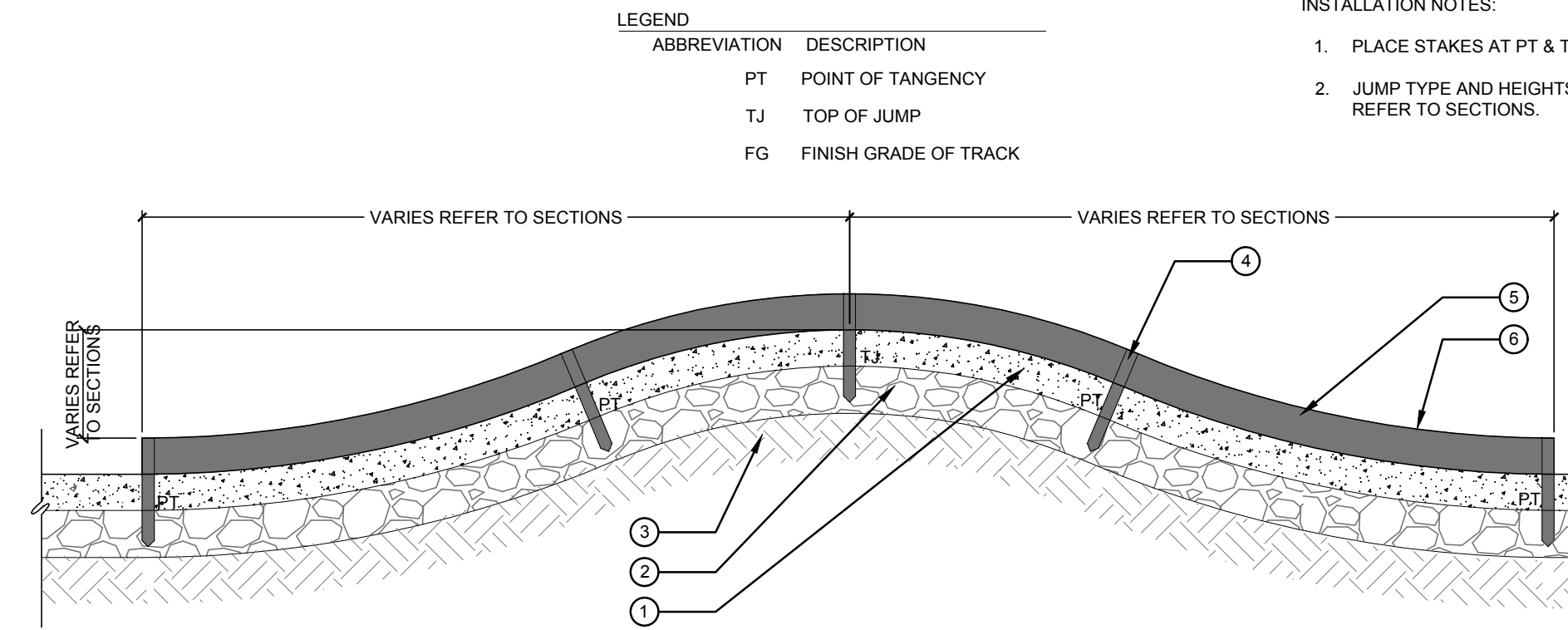


- ① 150mm HAND LAID & COMPACTED SPECIALTY ASPHALT, 1.5% CROSS SLOPE OR CENTRE CROWN, FIELD FIT.
- ② 150mm BASE OF DENSE GRADED CRUSHED STONE, FIELD FIT MAY REQUIRE THICKER BUILDUP TO CREATE FEATURES.
- ③ 300mm SUBGRADE STRIPPED OF ORGANICS & COMPACTED TO 95% SPD
- ④ VERIFY F.G. WITH GRADING PLAN
- ⑤ TOP OF TURN, TYP.

INSTALLATION NOTES:

- 1. ALL A.C. SURFACE MATERIALS, INCLUDING FINISH COURSE, PER TECHNICAL SPECIFICATIONS.
- 2. ALL AGGREGATE BASE MATERIALS, INCLUDING TYPE / CLASS, PER TECHNICAL SPECIFICATIONS.

2 TYPICAL SPECIALTY ASPHALT BOND BEAM
SCALE 1 : 10



LEGEND

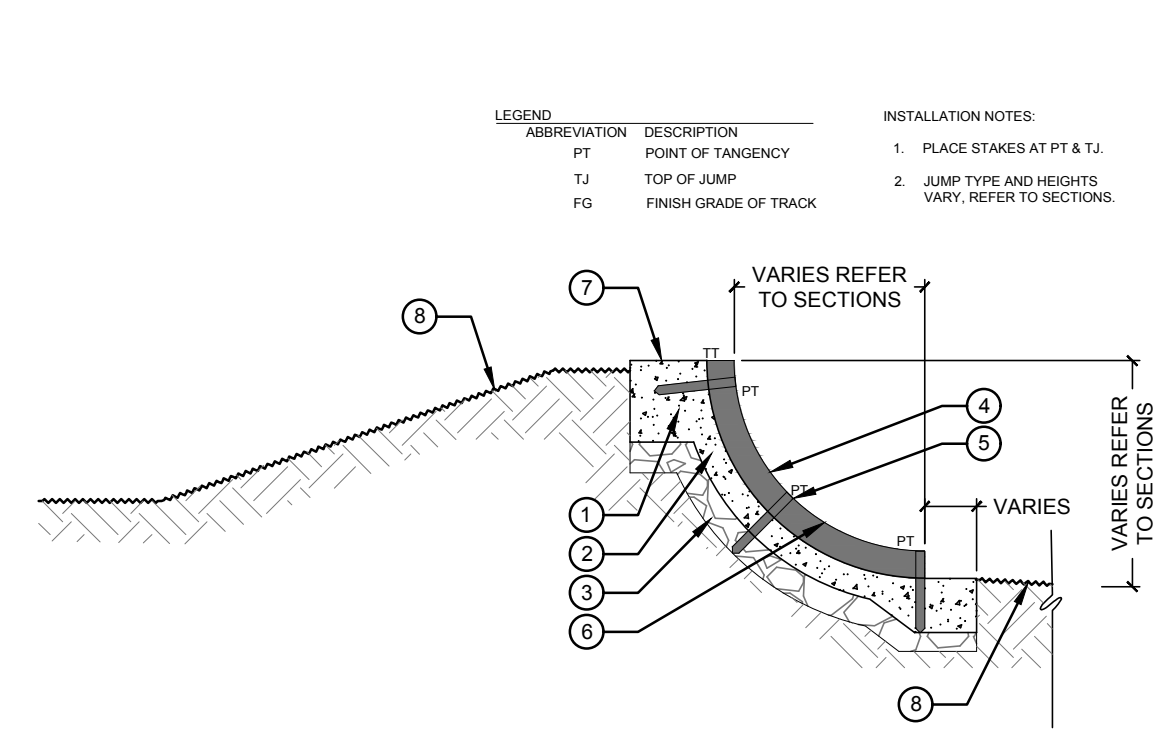
ABBREVIATION	DESCRIPTION
PT	POINT OF TANGENCY
TJ	TOP OF JUMP
FG	FINISH GRADE OF TRACK

INSTALLATION NOTES:

- 1. PLACE STAKES AT PT & T.J.
- 2. JUMP TYPE AND HEIGHTS VARY. REFER TO SECTIONS.

- ① 150mm HAND LAID & COMPACTED SPECIALTY ASPHALT, 1.5% CROSS SLOPE OR CENTRE CROWN, FIELD FIT. SEE 1/BD-01 FOR PROFILE.
- ② 150mm BASE OF DENSE GRADED CRUSHED STONE, FIELD FIT MAY REQUIRE THICKER BUILDUP TO CREATE FEATURES.
- ③ 300mm SUBGRADE STRIPPED OF ORGANICS & COMPACTED TO 95% SPD
- ④ 50mm x 20mm x 460mm WOOD FORM STAKE
- ⑤ 20mm x 150mm PLYWOOD
- ⑥ RADII VARIES REFER TO SECTIONS

3 TYPICAL ASPHALT ROLLER WITH WOOD FORM
NTS



- ① 150mm HAND LAID & COMPACTED SPECIALTY ASPHALT, 1.5% CROSS SLOPE OR CENTRE CROWN, FIELD FIT. SEE 1-2, 1/BD-01 FOR PROFILE AND BOND BEAM.
- ② 150mm BASE OF DENSE GRADED CRUSHED STONE, FIELD FIT MAY REQUIRE THICKER BUILDUP TO CREATE FEATURES.
- ③ 300mm SUBGRADE STRIPPED OF ORGANICS & COMPACTED TO 95% SPD
- ④ 50mm x 20mm x 460mm WOOD FORM STAKE
- ⑤ 20mm x 150mm PLYWOOD
- ⑥ RADII VARIES REFER TO SECTIONS
- ⑦ BOND BEAM, SEE DETAIL 2/BD-01
- ⑧ FINISH GRADE PER LANDSCAPE PLANS

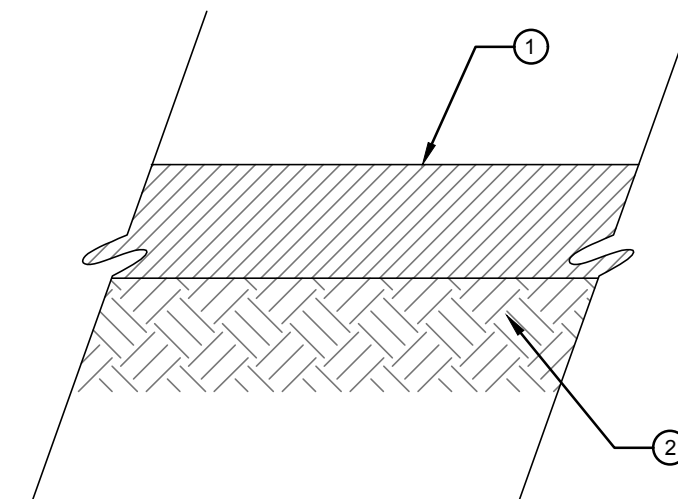
LEGEND

ABBREVIATION	DESCRIPTION
PT	POINT OF TANGENCY
TJ	TOP OF JUMP
FG	FINISH GRADE OF TRACK

INSTALLATION NOTES:

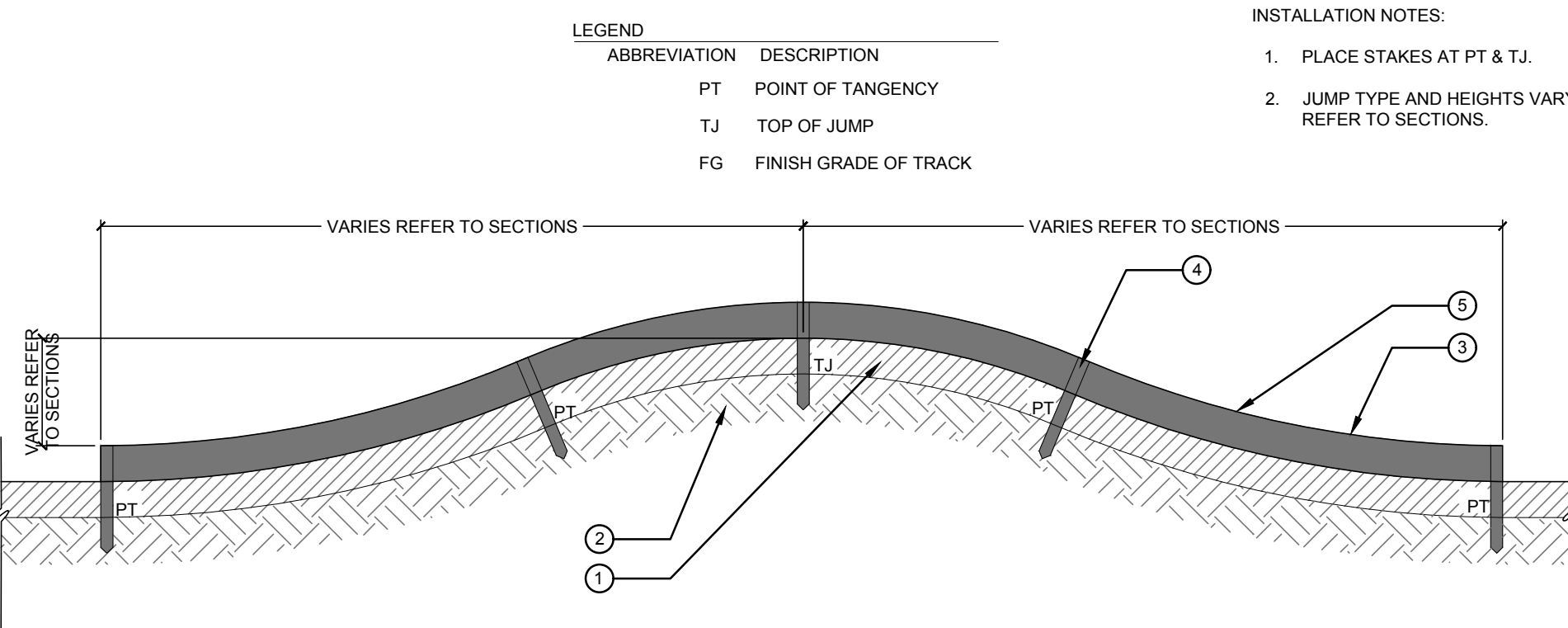
- 1. PLACE STAKES AT PT & T.J.
- 2. JUMP TYPE AND HEIGHTS VARY. REFER TO SECTIONS.

4 TYPICAL ASPHALT BERM WITH WOOD FORM
NTS



- ① 150mm HAND LAID & COMPACTED TRAIL SOIL MIX, 1.5% CROSS SLOPE OR CENTRE CROWN, FIELD FIT.
- ② 300mm SUBGRADE STRIPPED OF ORGANICS & COMPACTED TO 95% SPD

5 TYPICAL TRAIL SOIL MIX
SCALE 1 : 10



- ① 150mm HAND LAID & COMPACTED TRAIL SOIL MIX, 1.5% CROSS SLOPE OR CENTRE CROWN, FIELD FIT. SEE 5/BD-01 FOR PROFILE.
- ② 300mm SUBGRADE STRIPPED OF ORGANICS & COMPACTED TO 95% SPD
- ③ RADII VARIES REFER TO SECTIONS
- ④ 50mm x 20mm x 460mm WOOD FORM STAKE
- ⑤ 20mm x 150mm PLYWOOD

INSTALLATION NOTES:

- 1. PLACE STAKES AT PT & T.J.
- 2. JUMP TYPE AND HEIGHTS VARY. REFER TO SECTIONS.

6 TYPICAL SOIL MIX ROLLER WITH WOOD FORM
NTS

No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

REVISIONS TABLE FOR DRAWINGS

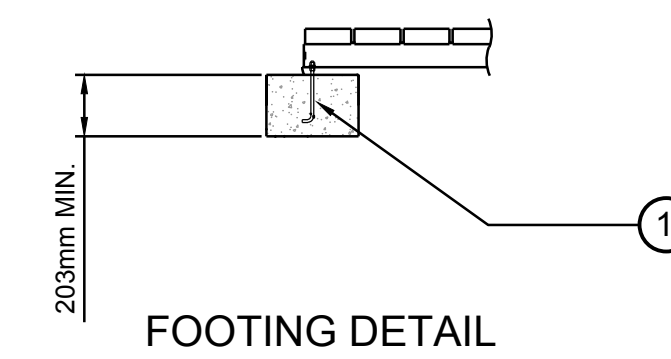
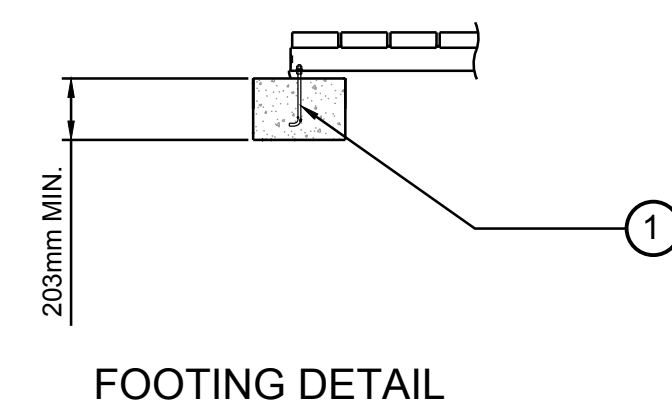
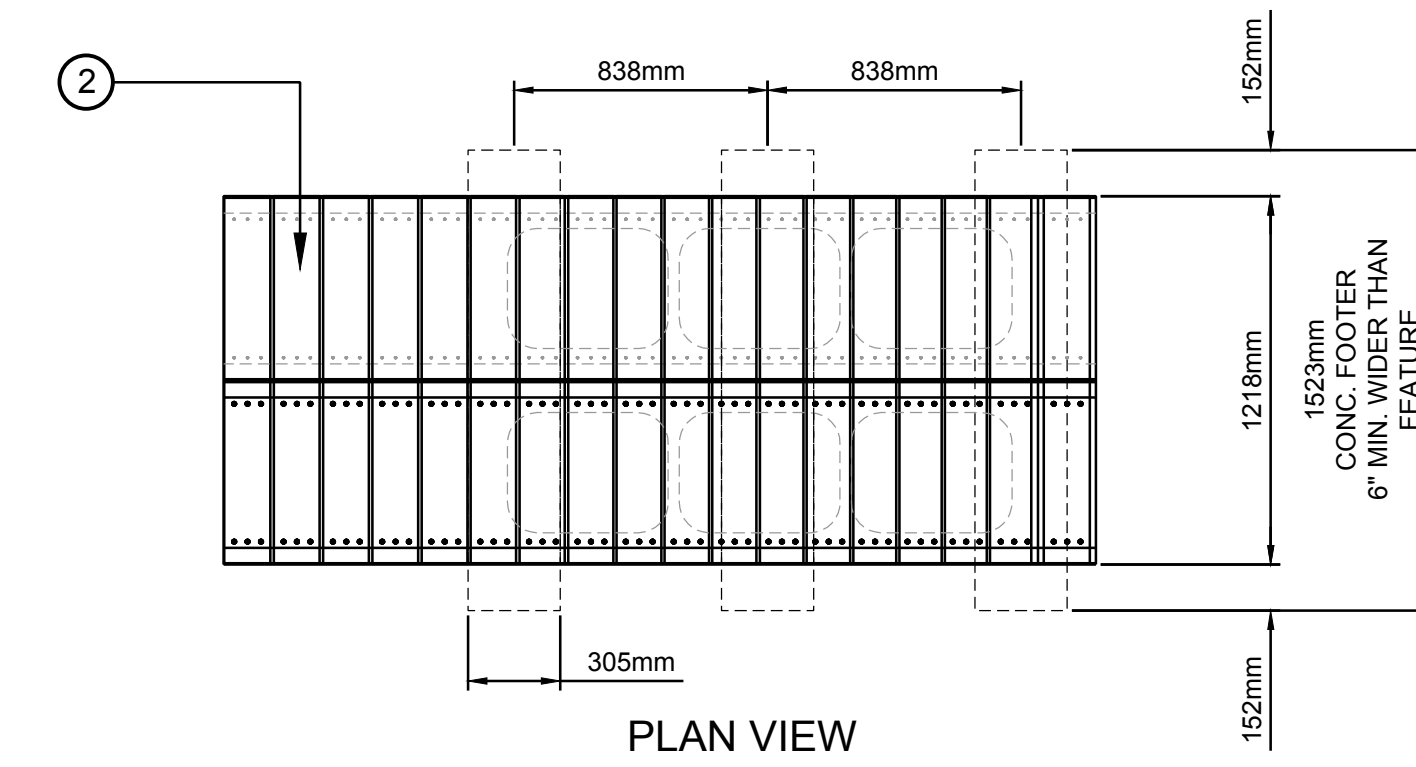
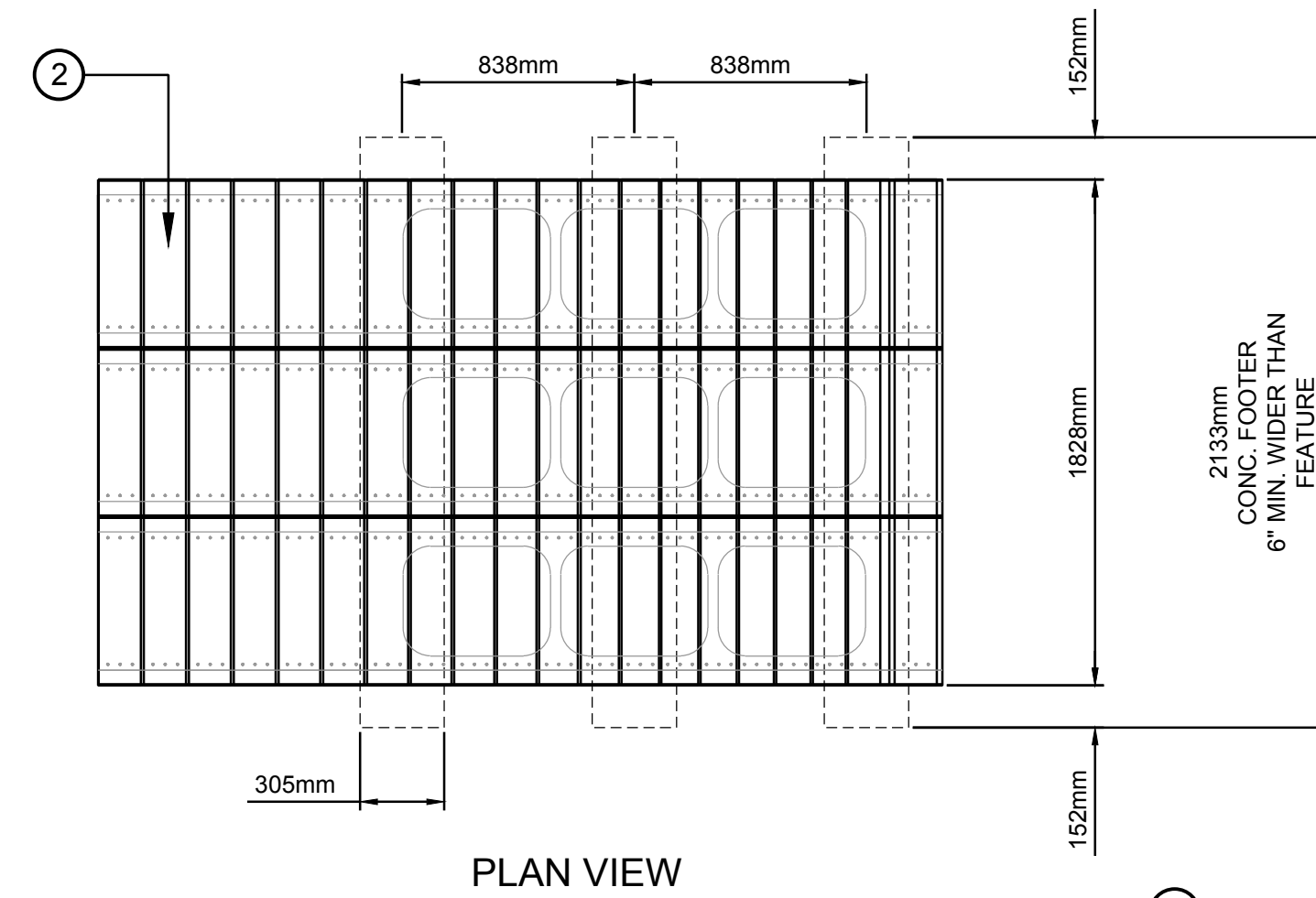
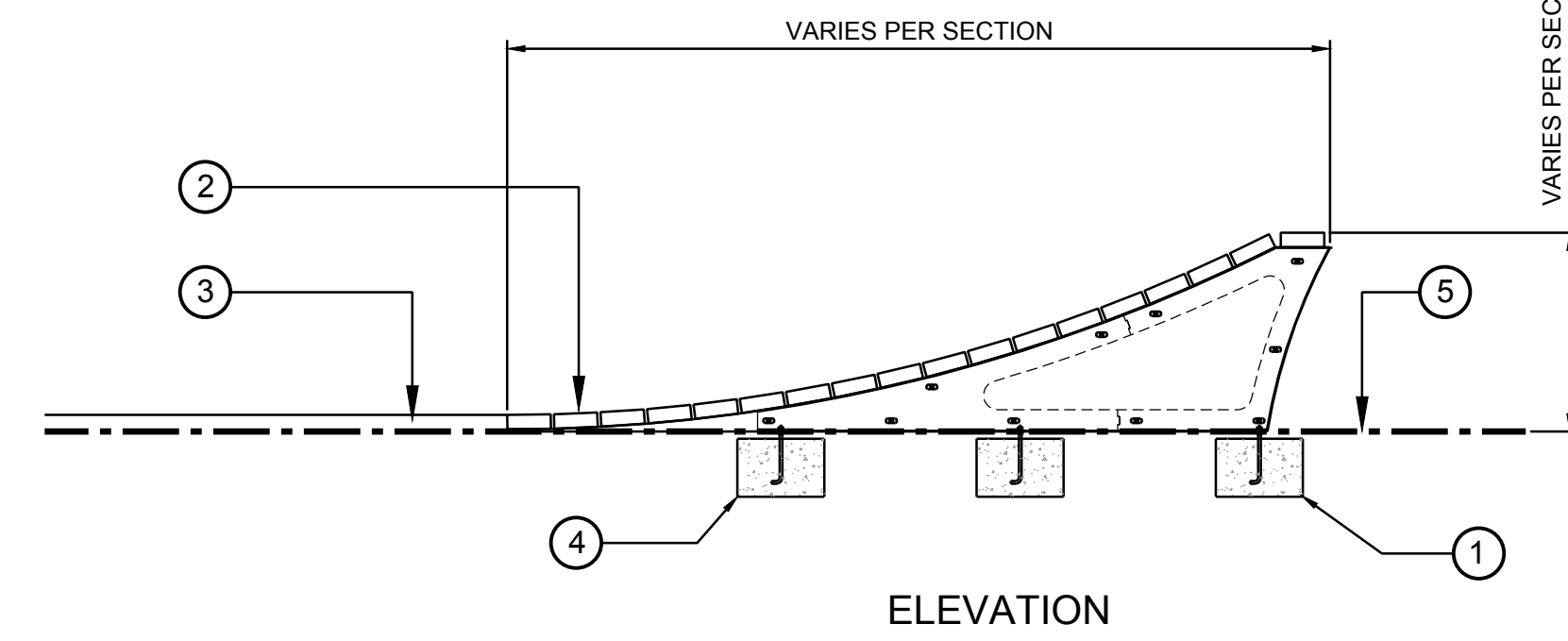
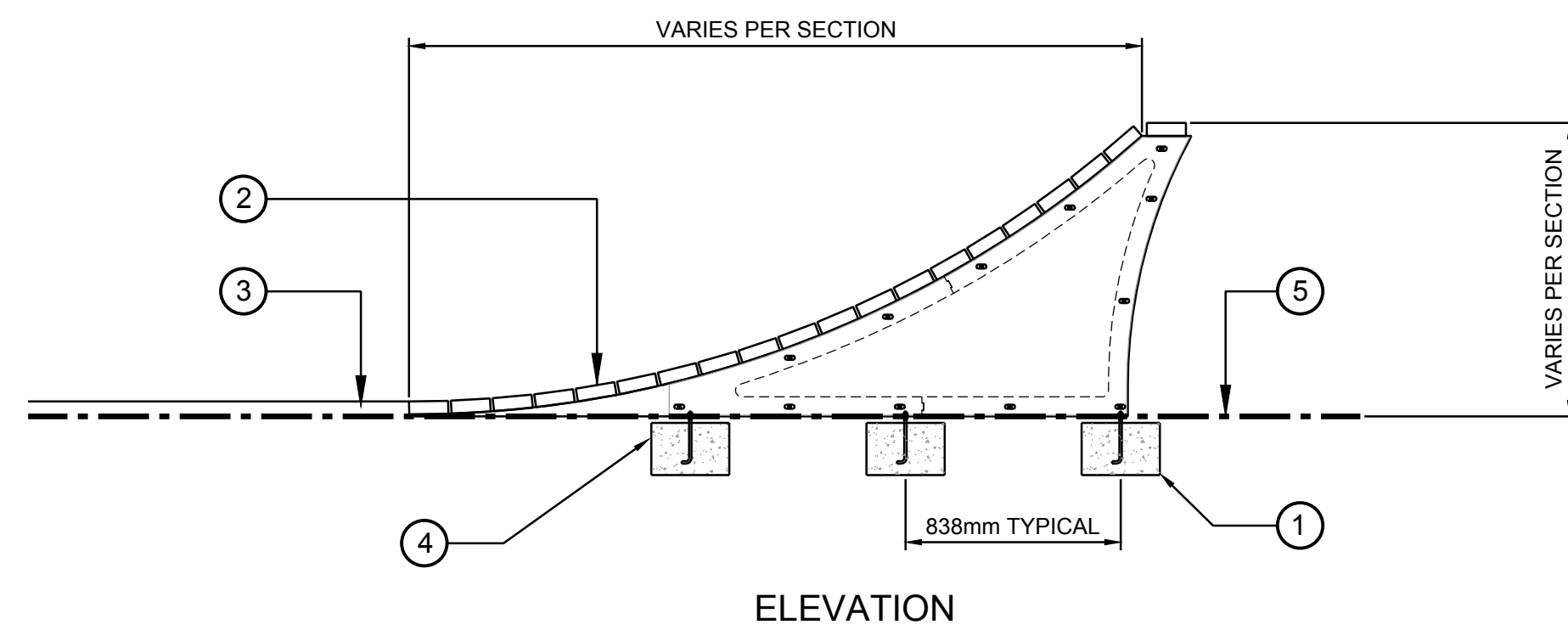
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No.	By:	Description	Date
REVISIONS TABLE FOR SHEET			

Project: Mackenzie Bike Park
 Location: Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664 Rem. LOT 2. PLAN 24200

Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL	Stamp:
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Approved: KR	Original Sheet Size: 24"x36"
Scale:	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REZONING/PPP/AP/APBP DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

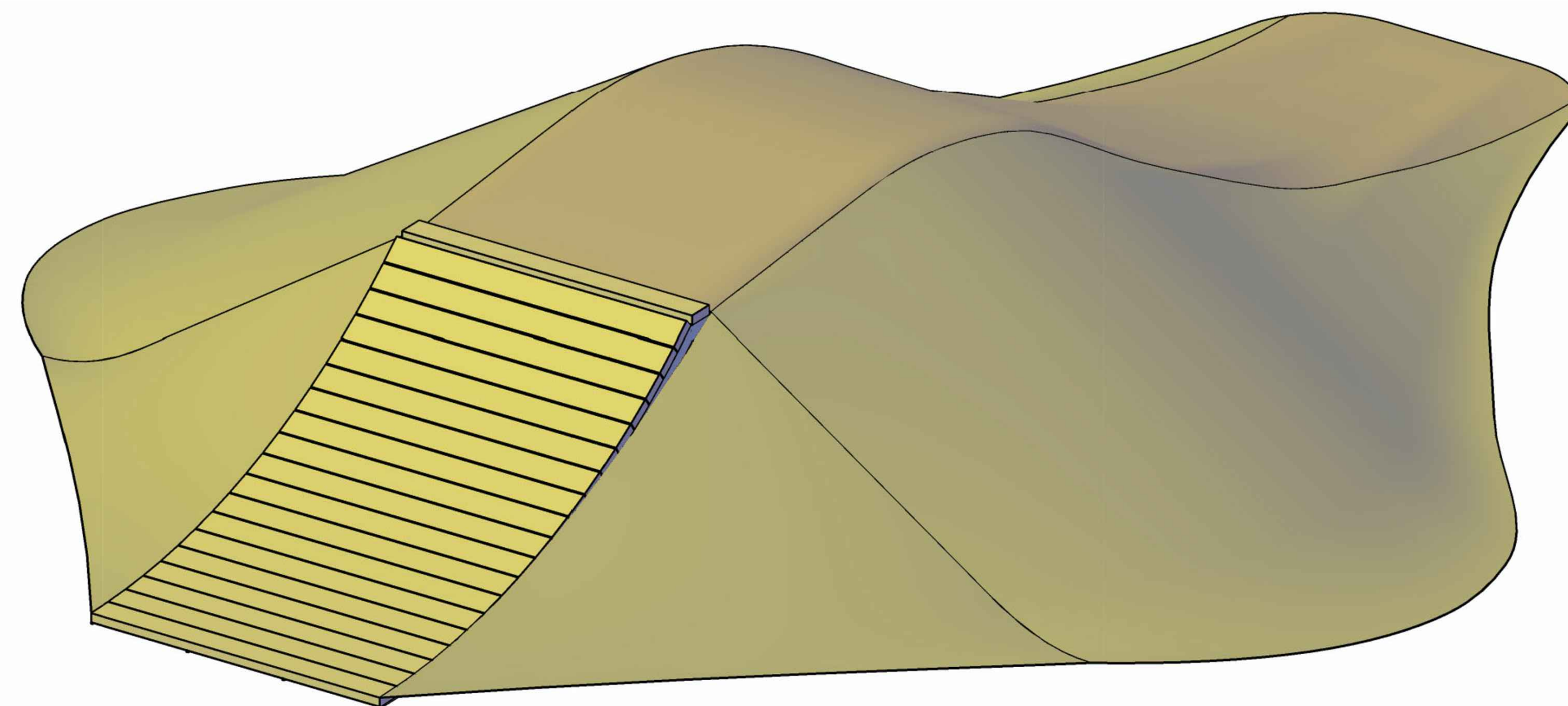


1 FULL WIDTH WOOD LIP JUMP NTS

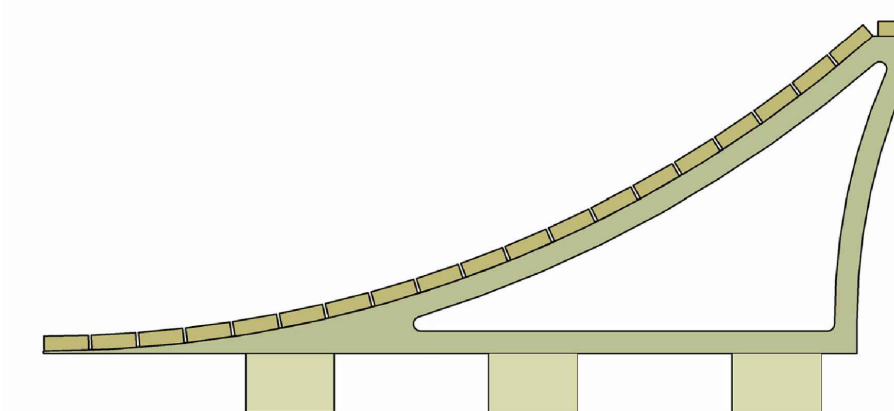
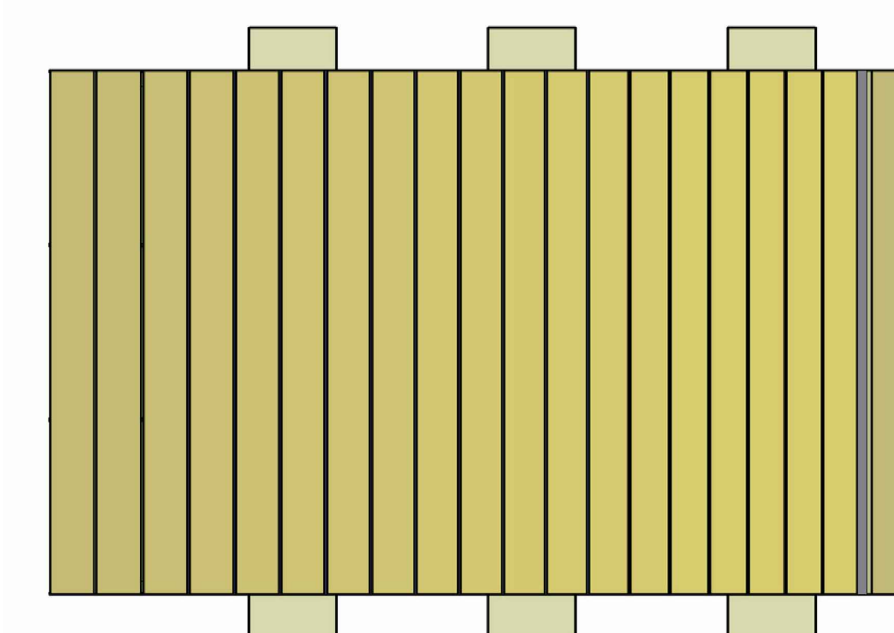
2 HALF WIDTH WOOD LIP JUMP NTS

- 1 3/8" DIA. ANCHOR (12) MIN. FOR 6" WIDE KICKER RAMP
- 2 RIDING SURFACE 2X6 ROUGH CUT CEDAR, ENSURE PLANKS ARE FREE OF SLIVERS / SPLINTERS
- 3 TRAIL
- 4 CONCRETE FOOTING
- 5 FINISH GRADE

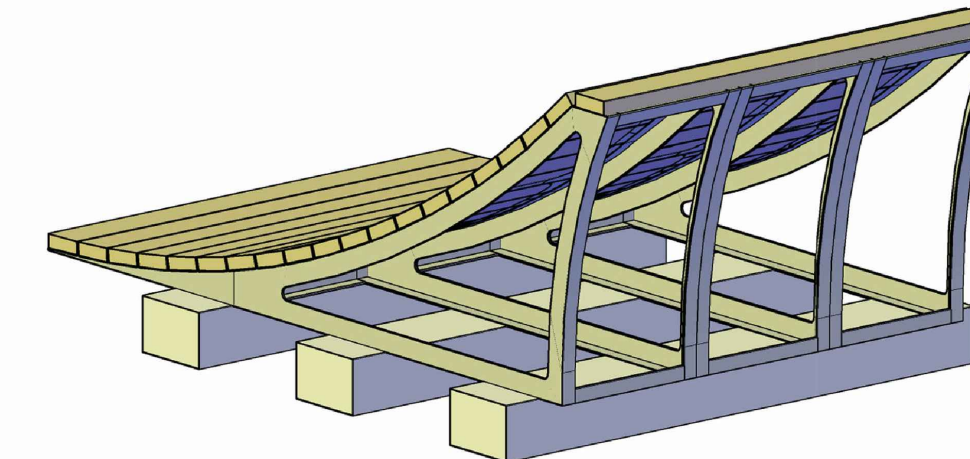
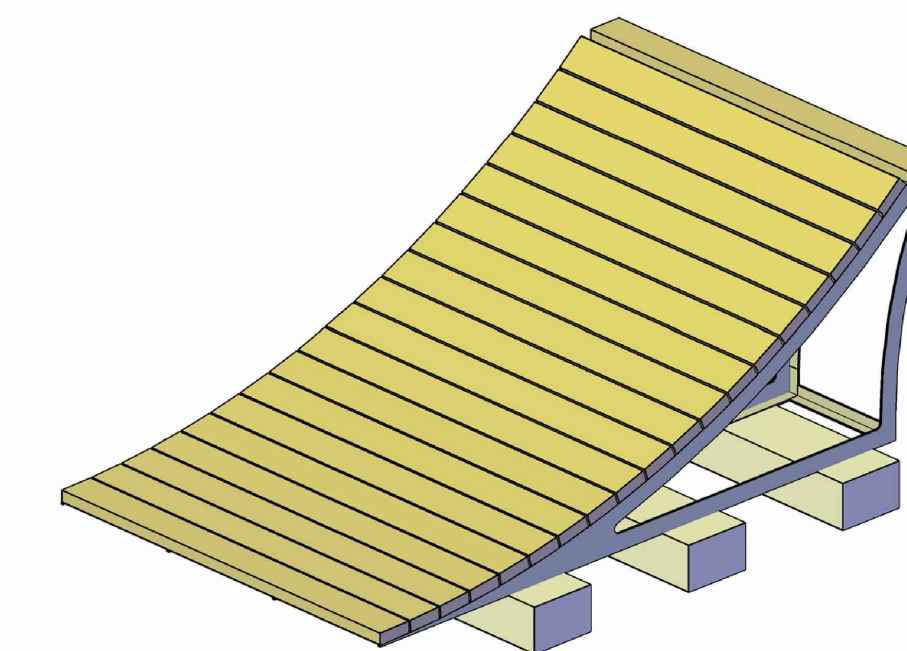
- 1 3/8" DIA. ANCHOR (12) MIN. FOR 6" WIDE KICKER RAMP
- 2 RIDING SURFACE 2X6 ROUGH CUT CEDAR, ENSURE PLANKS ARE FREE OF SLIVERS / SPLINTERS
- 3 TRAIL
- 4 CONCRETE FOOTING
- 5 FINISH GRADE



3 WOOD LIP JUMP PERSPECTIVE VIEW NTS



4 WOOD LIP JUMP CONSTRUCTION PERSPECTIVE VIEW NTS



No.	By:	Description	Date
3	MT	Issued for Tender	2022-04-04
2	MT	Issued for 90%	2022-03-07
1	MT	Issued for 50%	2022-01-16

No.	By:	Description	Date

REVISIONS TABLE FOR DRAWINGS
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No.	By:	Description	Date

REVISIONS TABLE FOR SHEET

Project: Mackenzie Bike Park
 Location: Lot 1 Plan PGP17067 District Lot 12463 Land District 05 Except Plan PGP18664 Rem. LOT 2. PLAN 24200
 Lot 2 Plan PGP24200 District Lot 12463 Land District 05 Except Plan 27125 EX PL 27125

Drawn: MS CL
 Checked: DJ
 Approved: KR
 Scale: Original Sheet Size: 24"x36"

Stamp: [Blank Stamp Area]

CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REPORT ANY DISCREPANCY TO THE CONSULTANT BEFORE PROCEEDING. ALL DRAWINGS AND SPECIFICATIONS ARE THE EXCLUSIVE PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK. ALL REZONING/CP/PP/AP/ASP DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.