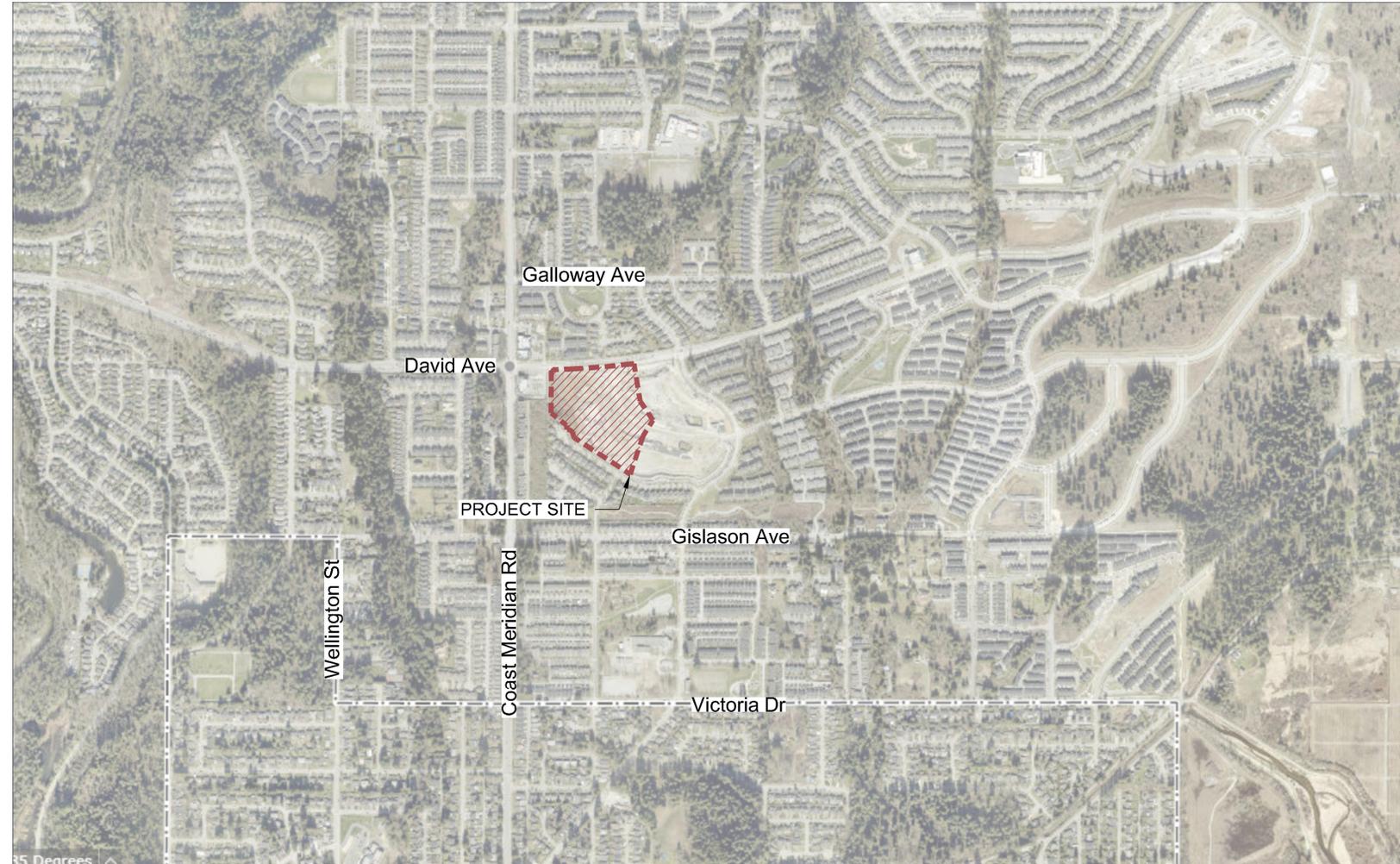


# BURKE MOUNTAIN ATHLETIC PARK

ISSUED FOR RFP



Location Map (NTS)

Sheet Number	Sheet Title
L-01	COVER PAGE
L-02	OVERALL SITE PLAN
L-03	OVERALL TREE PLAN
L-04A	NORTH ENLARGEMENT PLAN
L-04B	SOUTH ENLARGEMENT PLAN
L-05	FENCING LAYOUT PLAN
L-06A	PLANTING PLAN - HORTICULTURE BED
L-06B	PLANTING PLAN - LOW MAINTENANCE
L-07A	SHOTCRETE WALL LAYOUT
L-07B	WALL ELEVATION AND SECTIONS
L-08A	TENNIS COURT LAYOUT PLAN
L-08B	SPORTSFIELD LINEMARKING PLAN - OVERLAY
L-08C	SPORTSFIELD LINEMARKING PLAN - INDIVIDUAL
L-08D	TRACK & FIELD LAYOUT PLAN
L-09	FIELD OVERLOOK
LS-01	SECTION
LS-02	SECTION
LS-03	SECTION
LS-04	SECTION
LS-05	SECTION
LD-01	DETAILS
LD-02	DETAILS
LD-03	DETAILS
LD-04	DETAILS
LD-05	DETAILS
LD-06	DETAILS
LD-07	DETAILS
LD-08	DETAILS
IR-01	IRRIGATION OVERALL PLAN
IR-02	IRRIGATION SYSTEM DESIGN
IR-03	IRRIGATION SYSTEM DESIGN
IR-04	IRRIGATION SYSTEM DESIGN
IR-05	IRRIGATION NOTES AND SPECIFICATIONS
IR-06	IRRIGATION SYSTEM DETAILS
IR-07	IRRIGATION SYSTEM DETAILS
IR-08	IRRIGATION SYSTEM DETAILS

## Contact Information

**VDZ+A**  
 Project Landscape Architecture  
 Fort Langley Studio  
 102 - 9181 Church Street  
 Fort Langley, British Columbia, V1M 2R8

**City of Coquitlam**  
 Project Owner

3000 Guildford Way  
 Coquitlam, BC V3B 7N2

**Station One Architects**  
 Project Building Architecture

soa@soarchitects.com  
 t. 604-793-9445

Mount Pleasant Studio  
 102-355 Kingsway  
 Vancouver, British Columbia, V5T 3J7

Primary project contact:  
 Travis Martin  
 Travis@vdz.ca  
 o. 604.882.0024 ex.105

Alternate contacts (incase away):  
 Mark van der Zalm  
 Mark@vdz.ca  
 o. 604.882.0024 ex.101

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12	TM	Issued for RFP	May 05, 2025
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Drawing Title:  
**COVER PAGE**



VDZ Project #:  
**PR2023-04**

Drawing #:  
**L-01**

REFERENCE NOTES SCHEDULE

HARDSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION
	H-01	ASPHALT Vehicular
	H-02	ASPHALT Sports Court
	H-03	CONCRETE
	H-04	RUBBER TRACK OVER VEHICULAR ASPHALT
	H-05	ARTIFICIAL TURF
	H-06	EXISTING HARDSCAPE
	H-07	CIP CONCRETE FIELD ACCESS
	H-08	BLOCK WALL 300mm (w) x max 600mm (h)
	H-09	GRAVEL
	H-10	HYDRAPRESS SLAB

SOFTSCAPE SCHEDULE

SYMBOL	CODE	DESCRIPTION
	S-01	SOD
	S-02A	SHRUB : MAINTAINED
	S-02B	SHRUB : LOW MAINTENANCE
	S-03	EXISTING SOFTSCAPE
	S-04	EXISTING PLANTING AROUND POND To be protected and retained
	S-05	LOGS FOR SLOPE RETENTION



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Drawing Title:  
**OVERALL SITE PLAN**



VDZ Project #:  
**PR2023-04**

Drawing #:  
**L-02**

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SYMBOL	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
<b>TREES</b>				
	Acer miyabei 'Morton' / State Street™ Miyabe Maple	B&B	7cm cal. 1.8m std.	18
	Catalpa speciosa / Northern Catalpa	B&B	7cm cal. 1.8m std.	2
	Ginkgo biloba / Maidenhair Tree	B&B	7cm cal. 1.8m std.	10
	Gleditsia triacanthos inermis 'Skyline' / Skyline Honey Locust	B&B	7cm cal. 1.8m std.	12
	Parrotia persica 'Ruby Vase' / Ruby Vase Persian Parrotia	B&B	7cm cal. 1.8m std.	4
	Pinus contorta 'Contorta' / Shore Pine	B&B	2.5m ht	5
	Quercus macrocarpa x Robur / Heritage® Oak	B&B	7cm cal. 1.8m std.	7
	Quercus robur x alba 'JFS-KW2QX' / Skinny Genes® Oak	B&B	7cm cal. 1.8m std.	13
	Existing Tree			

### ENVIRONMENTAL PLANTING

SYMBOL	BOTANICAL / COMMON NAME	CONT	QTY
<b>ENVIRONMENTAL</b>			
	Acer circinatum / Vine Maple	#1	11
	Acer macrophyllum / Big Leaf Maple	#5	3
	Corylus cornuta / Western Hazelnut	#2	11
	Picea sitchensis / Sitka Spruce	#5	2
	Pseudotsuga menziesii / Douglas Fir	#5	2
	Thuja plicata / Western Red Cedar	#1	5

### TREE TRENCH LEGEND

KEY	REF.	DESCRIPTION
		<b>TREE TRENCH</b> Typical for single tree 3.3m x 3.3m x 0.6m depth
		<b>Root Barrier</b> Trees closer than 2m from public sidewalk or curb require 5m long root barrier centred on each tree. Product: Deep Root LB-242. Install as per manufacturer's specifications.



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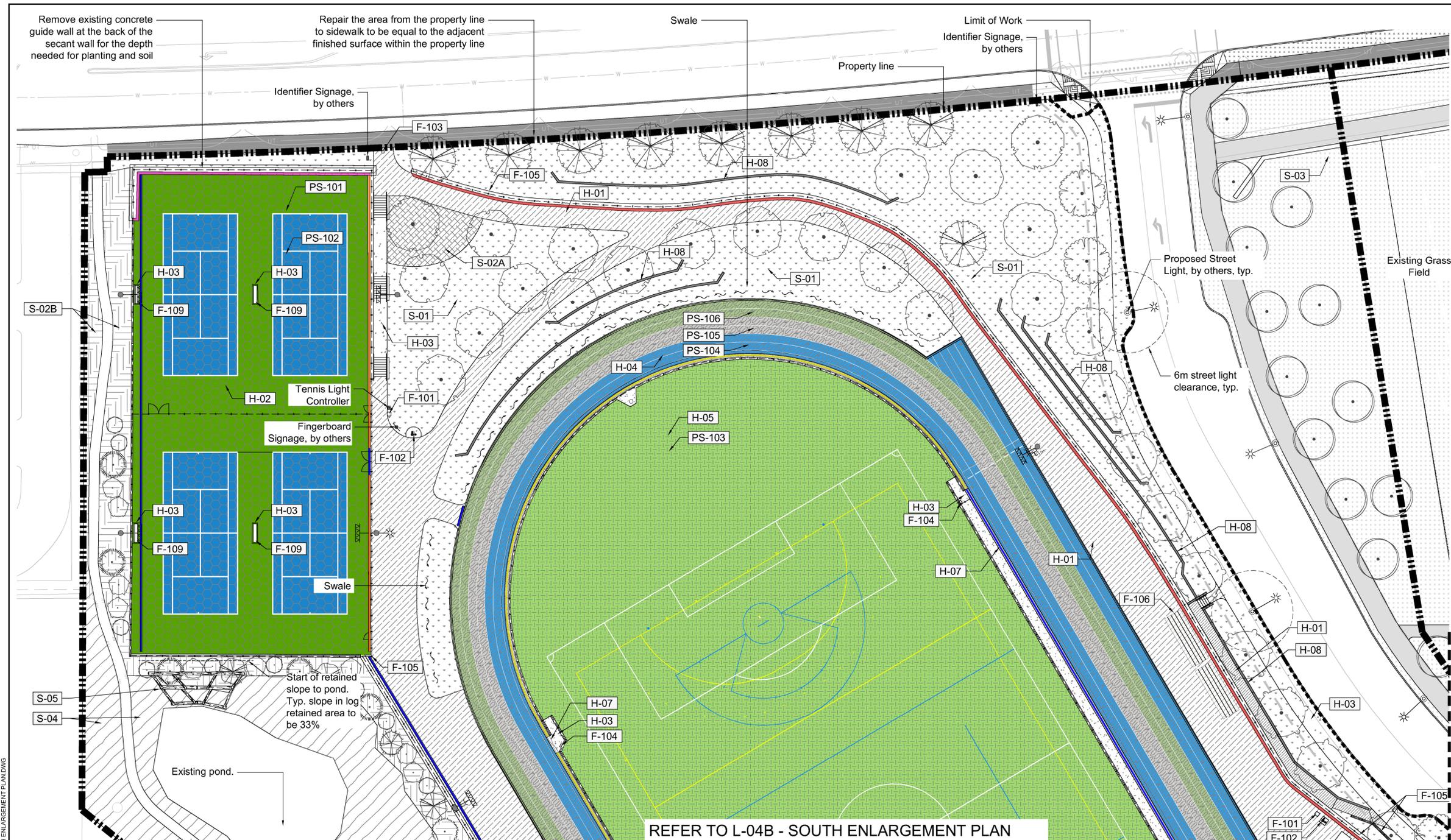
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Drawing Title: **OVERALL TREE PLAN**



VDZ Project #: **PR2023-04**

Drawing #: **L-03**



Key Map (NTS)



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FURNITURE SCHEDULE			
SYMBOL	CODE	DESCRIPTION	DETAIL
	F-101	WASTE RECEPTACLE	2/LD-05
	F-102	WATER FOUNTAIN	1/LD-05
	F-103	REMOVABLE BOLLARD	5/LD-05
	F-104	BOOT BRUSH	7/LD-05
	F-105	FENCING For fencing type refer to fencing plan.	
	F-106	BLEACHERS	4/LD-04
	F-107	SCORER'S TABLE	3/LD-04
	F-108	PLAYER'S SHELTER	1/LD-04
	F-109	SPORTS BENCHES	2/LD-04

HARDSCAPE SCHEDULE			
SYMBOL	CODE	DESCRIPTION	DETAIL
	H-01	ASPHALT Vehicular	7/LD-01
	H-02	ASPHALT Sports Court	8/LD-01

SOFTSCAPE SCHEDULE			
SYMBOL	CODE	DESCRIPTION	DETAIL
	S-01	SOD	5/LD-01
	S-02A	SHRUB : MAINTAINED	3/LD-01
	S-02B	SHRUB : LOW MAINTENANCE	4/LD-01
	S-03	EXISTING SOFTSCAPE	
	S-04	EXISTING PLANTING AROUND POND To be protected and retained	
	S-05	LOGS FOR SLOPE RETENTION	4/LD-02

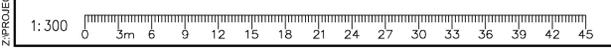
PLAY SURFACING SCHEDULE			
SYMBOL	CODE	DESCRIPTION	DETAIL
	PS-101	ACRYLIC SURFACING : GREEN Pantone 7489	
	PS-102	ACRYLIC SURFACING : BLUE Pantone 301	
	PS-103	ARTIFICIAL TURF : GREEN	

HARDSCAPE SCHEDULE			
SYMBOL	CODE	DESCRIPTION	DETAIL
	H-03	CONCRETE	1/LD-02
	H-04	RUBBER TRACK OVER VEHICULAR ASPHALT	6/LD-01
	H-05	ARTIFICIAL TURF	3/LD-06
	H-06	EXISTING HARDSCAPE	
	H-07	CIP CONCRETE FIELD ACCESS	7/LD-06
	H-08	BLOCK WALL 300mm (w) x max 600mm (h)	3/LD-02
	H-09	GRAVEL	
	H-10	HYDRAPRESS SLAB	

LINEAR DRAINS		
SYMBOL	DESCRIPTION	
	Pedestrian Cover Type 494Q - Black - Longitudinal Plastic (Part 97393)	5&6 / LD-06
	Vehicular cover Type 478Q - Longitudinal Iron (Part 03314)	5&6 / LD-06
	Concrete Runnel	2 / LD-06

SHOTCRETE WALL		
SYMBOL	DESCRIPTION	
	Shotcrete - Smooth Face L-07A, L-07B	
	Shotcrete - Rock Face L-07A, L-07B	

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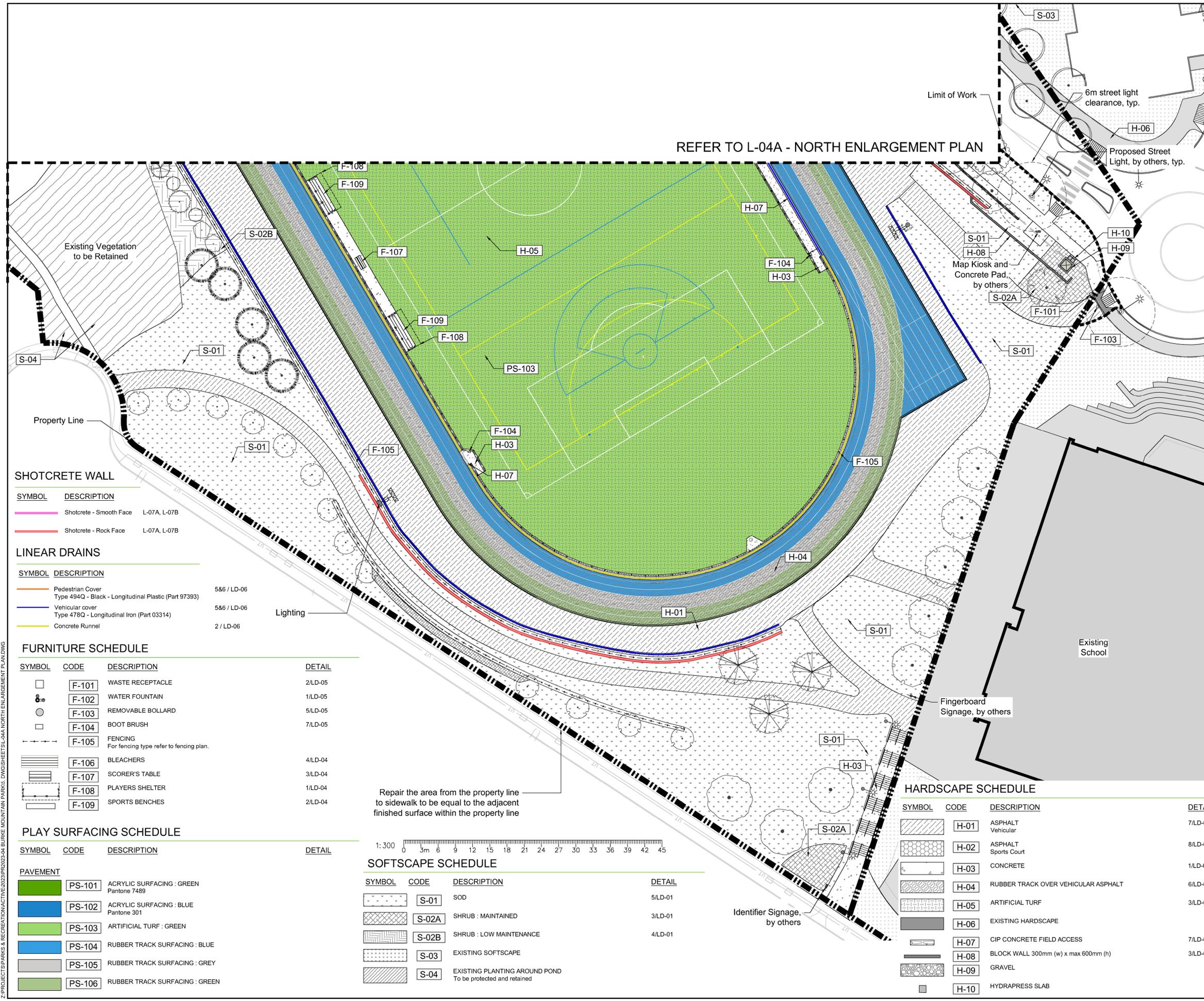
Drawing Title: NORTH ENLARGEMENT PLAN



VDZ Project #: PR2023-04

Drawing #: L-04A

REFER TO L-04A - NORTH ENLARGEMENT PLAN



**SHOTCRETE WALL**

SYMBOL	DESCRIPTION
	Shotcrete - Smooth Face L-07A, L-07B
	Shotcrete - Rock Face L-07A, L-07B

**LINEAR DRAINS**

SYMBOL	DESCRIPTION	DETAIL
	Pedestrian Cover Type 494Q - Black - Longitudinal Plastic (Part 97393)	5&6 / LD-06
	Vehicular cover Type 478Q - Longitudinal Iron (Part 03314)	5&6 / LD-06
	Concrete Runnel	2 / LD-06

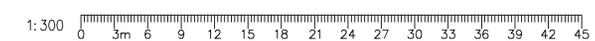
**FURNITURE SCHEDULE**

SYMBOL	CODE	DESCRIPTION	DETAIL
	F-101	WASTE RECEPTACLE	2/LD-05
	F-102	WATER FOUNTAIN	1/LD-05
	F-103	REMOVABLE BOLLARD	5/LD-05
	F-104	BOOT BRUSH	7/LD-05
	F-105	FENCING For fencing type refer to fencing plan.	
	F-106	BLEACHERS	4/LD-04
	F-107	SCORER'S TABLE	3/LD-04
	F-108	PLAYERS SHELTER	1/LD-04
	F-109	SPORTS BENCHES	2/LD-04

**PLAY SURFACING SCHEDULE**

SYMBOL	CODE	DESCRIPTION	DETAIL
	PS-101	ACRYLIC SURFACING : GREEN Pantone 7489	
	PS-102	ACRYLIC SURFACING : BLUE Pantone 301	
	PS-103	ARTIFICIAL TURF : GREEN	
	PS-104	RUBBER TRACK SURFACING : BLUE	
	PS-105	RUBBER TRACK SURFACING : GREY	
	PS-106	RUBBER TRACK SURFACING : GREEN	

Repair the area from the property line to sidewalk to be equal to the adjacent finished surface within the property line



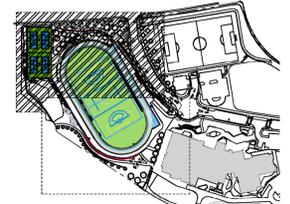
**SOFTSCAPE SCHEDULE**

SYMBOL	CODE	DESCRIPTION	DETAIL
	S-01	SOD	5/LD-01
	S-02A	SHRUB : MAINTAINED	3/LD-01
	S-02B	SHRUB : LOW MAINTENANCE	4/LD-01
	S-03	EXISTING SOFTSCAPE	
	S-04	EXISTING PLANTING AROUND POND To be protected and retained	

**HARDSCAPE SCHEDULE**

SYMBOL	CODE	DESCRIPTION	DETAIL
	H-01	ASPHALT Vehicular	7/LD-01
	H-02	ASPHALT Sports Court	8/LD-01
	H-03	CONCRETE	1/LD-02
	H-04	RUBBER TRACK OVER VEHICULAR ASPHALT	6/LD-01
	H-05	ARTIFICIAL TURF	3/LD-06
	H-06	EXISTING HARDSCAPE	
	H-07	CIP CONCRETE FIELD ACCESS	7/LD-06
	H-08	BLOCK WALL 300mm (w) x max 600mm (h)	3/LD-02
	H-09	GRAVEL	
	H-10	HYDRAPRESS SLAB	

Key Map (NTS)



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Drawing Title: SOUTH ENLARGEMENT PLAN



VDZ Project #: PR2023-04

Drawing #: L-04B

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REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION	DETAIL
4-01	1.2M GUARDRAIL	3/LD-03
4-02	1.2M DOUBLE RAIL CHAINLINK	1/LD-03
4-03	3.0M FENCING (ON GRADE)	2/LD-03
4-04	3.0M FENCING (ON WALL)	2/LD-03



Reference Image of Existing Field Sports Light Condition



Fencing to stop at light poles and to ensure gaps are not greater than 100mm. Refer to Detail.

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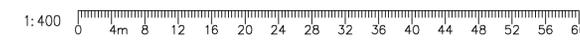
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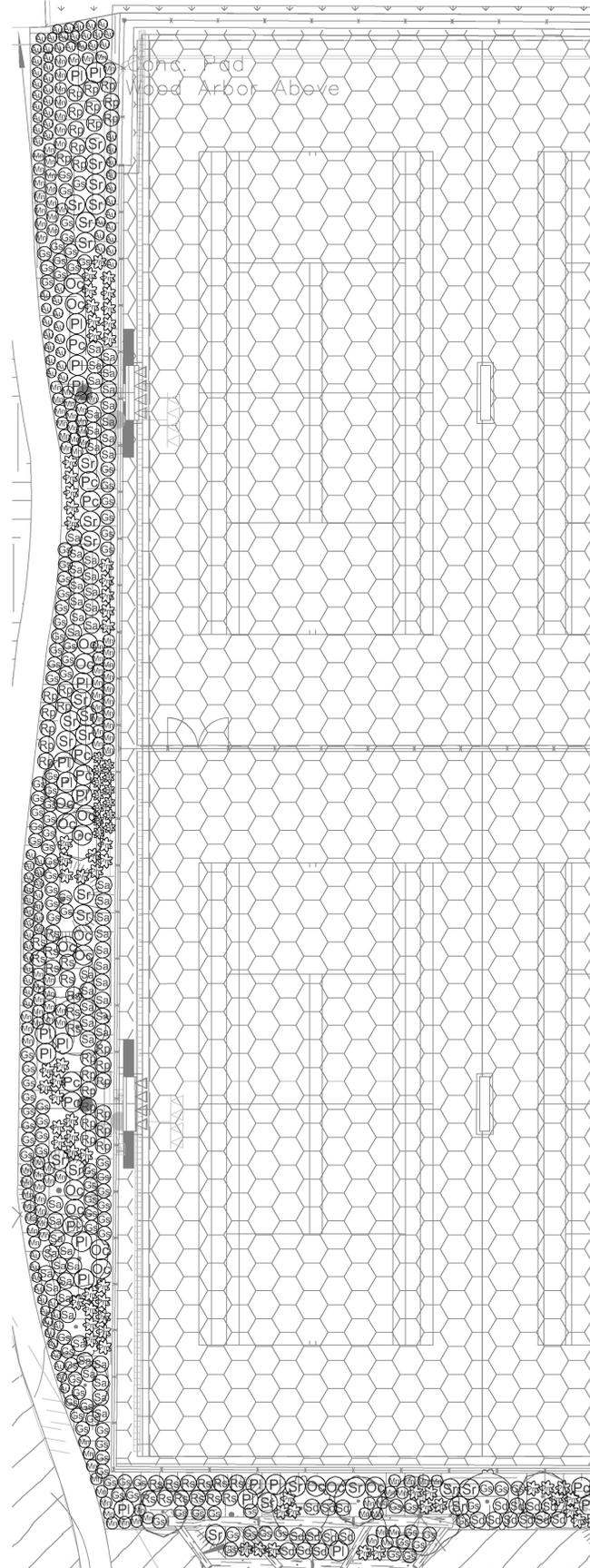
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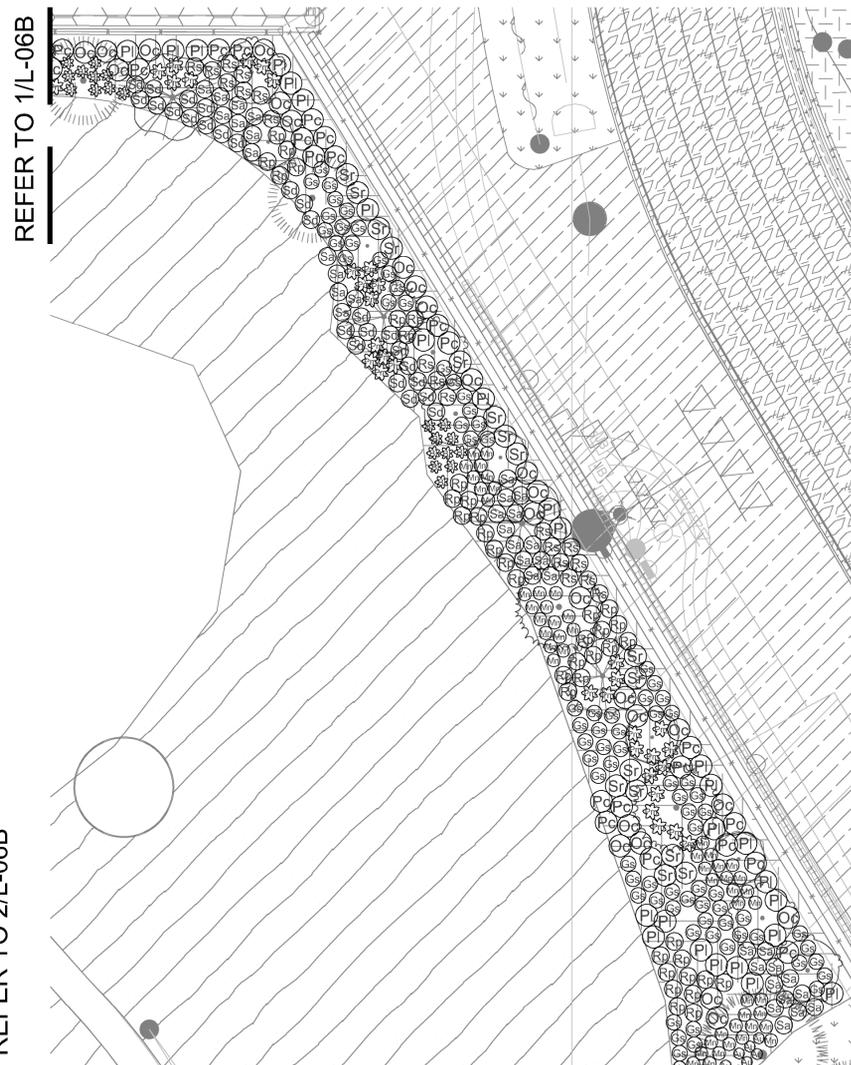
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**PR2023-04**

Drawing #:  
**L-05**

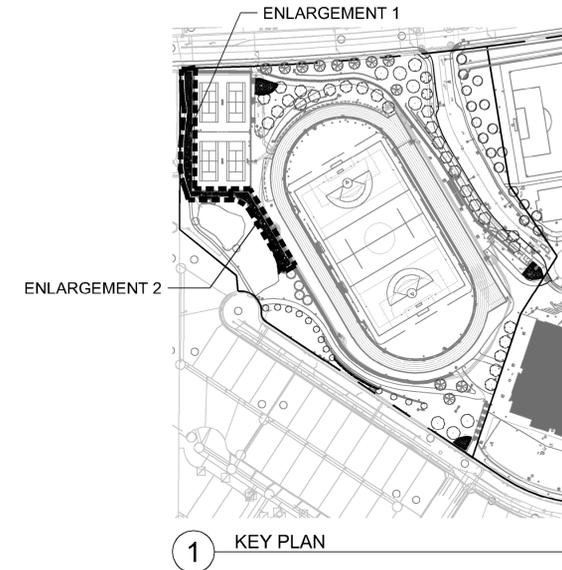




**1** LOW MAINTENANCE PLANTING ENLARGEMENT 1  
 Scale 1:150



**2** LOW MAINTENANCE PLANTING ENLARGEMENT 2  
 Scale 1:150



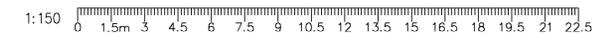
**1** KEY PLAN

**PLANT SCHEDULE**

CODE	BOTANICAL / COMMON NAME	CONT	SPACING	QTY
<b>SHRUBS</b>				
Rh	Rhododendron x 'Percy Wiseman' / Percy Wiseman Rhododendron	#3	1.25 m	36
Ru	Rosa x Frau Dagmar Hastrup / Frau Dagmar Hastrup Rose	#2	1 m	103
<b>ENVIRONMENTAL</b>				
Au	Arctostaphylos uva-ursi / Kinnikinnick	#1	0.5 m	163
Bl	Blechnum spicant / Deer Fern	#1	0.6 m	33
Gs	Gleditsia triacanthos inermis 'Skyline' / Salal	#2	0.7 m	197
Mx	Malvastrum nuttallii / Nuttall's Malva	#1	0.6 m	175
Oc	Oemleria cerasiformis / Osoberry	#2	1 m	43
Pl	Philadelphus lewisii / Wild Mock Orange	#2	1 m	46
Pc	Physocarpus opulifolius / Pacific Ninebark	#2	1 m	39
Pm	Polypodium vulgare / Western Sward Fern	#2	0.75 m	103
Rp	Rubus parviflorus / Thimbleberry	#1	0.8 m	71
Rs	Rubus spectabilis / Salmonberry	#1	0.8 m	41
Sr	Sambucus racemosa / Red Elderberry	#1	1 m	42
Sd	Spiraea douglasii / Western Spirea	#2	0.8 m	46
Sa	Symphoricarpos albus / Common White Snowberry	#2	0.8 m	96
<b>GRASSES</b>				
P	Pennisetum alopecuroides 'Little Bunny' / Little Bunny Fountain Grass	#1	0.46 m	100
<b>PERENNIAL</b>				
B	Bergenia x 'Bressingham White' / Bressingham White Bergenia	#1	0.61 m	170
E	Echinacea x 'Pastor' / PowWow® Wild Berry Coneflower	#1	0.46 m	129
S	Salvia nemorosa 'Caradonna' / Candonga Meadow Sage	#1	0.46 m	106

**PLANTING NOTES**

- PLANTS IN THIS PLANT LIST ARE SPECIFIED ACCORDING TO THE CANADIAN NURSERY LANDSCAPE ASSOCIATION CANADIAN STANDARDS FOR NURSERY STOCK AND SECTION 12, CONTAINER GROWN PLANTS OF THE BC LANDSCAPE STANDARD, CURRENT EDITION.
- ALL PLANT MATERIAL SHALL MEET OR EXCEED STANDARDS REQUIRED BY BCLNA OR BCSLA GUIDELINES. PLANT MATERIAL TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO SITE.
- TOPSOIL SUPPLIED SHALL BE FROM A REPUTABLE SOURCE. A FULL ANALYSIS OF THE TOPSOIL WILL BE REQUIRED AT THE CONTRACTOR'S EXPENSE, SUBMIT TO LANDSCAPE CONSULTANT FOR APPROVAL.
- AMEND TOPSOIL PER SOIL ANALYSIS RECOMMENDATIONS PRIOR TO SPREADING ON SITE. REJECTED TOPSOIL SHALL BE REMOVED OFF SITE IMMEDIATELY AT THE LANDSCAPE CONTRACTORS EXPENSE.
- TOPSOIL DEPTHS FOR PLANTING AS FOLLOWS:
  - SHRUBS: 450MM
  - GROUND COVER: 300MM
  - SOD: 150MM
  - TREE PITS: 1000MM WITH 300MM (BELOW ROOT BALL)
- 6.2" MINUS COMPOST MULCH TO BE INSTALLED IN ALL SHRUB PLANTING AREAS.



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3	TM	Re-Issued for 50%	Apr 03, 2024
2	TM	Issued for 50%	Mar 22, 2024
1	TM	Issued for Review	May 06, 2023

**REVISIONS TABLE FOR DRAWINGS**

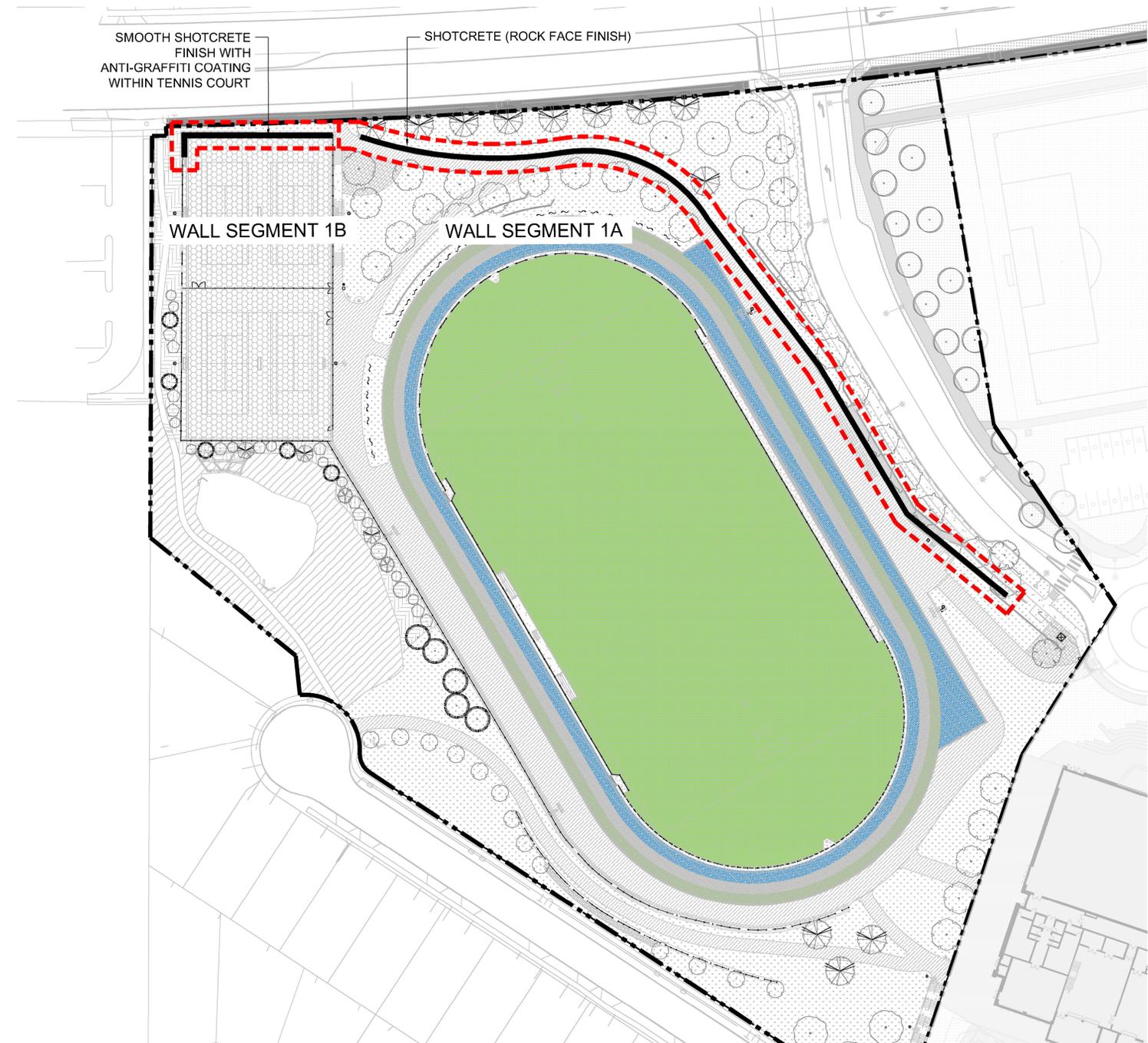
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No.	By:	Description	Date
REVISIONS TABLE FOR SHEET			

Project:  
 BURKE MOUNTAIN ATHLETIC PARK  
 Location:  
 3390 & 3400 DAVID AVENUE,  
 COQUITLAM, B.C.

Drawn: BF RMK	Stamp:
Checked: TM	
Approved: TM	Original Sheet Size: 24"x36"
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 MUST BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.





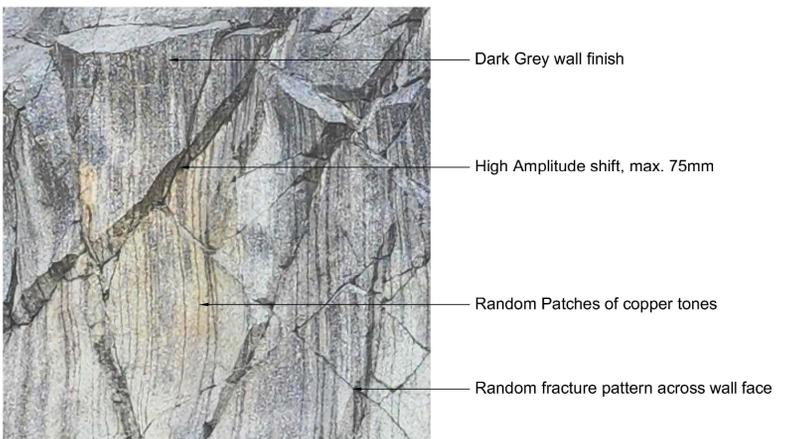
**ROCK FACE SHOTCRETE FINISH**

1. TEXTURE: MIXED SHOTCRETE WITH ROCK FACING TOOLING LARGE PATTERNING. TEXTURE MUST NOT HAVE REPEATING PATTERNS ALONG A CONTINUOUS FACE.
2. AMPLITUDE: UP TO 75MM
3. COLOURS: DARK GREY WITH COPPER TONES

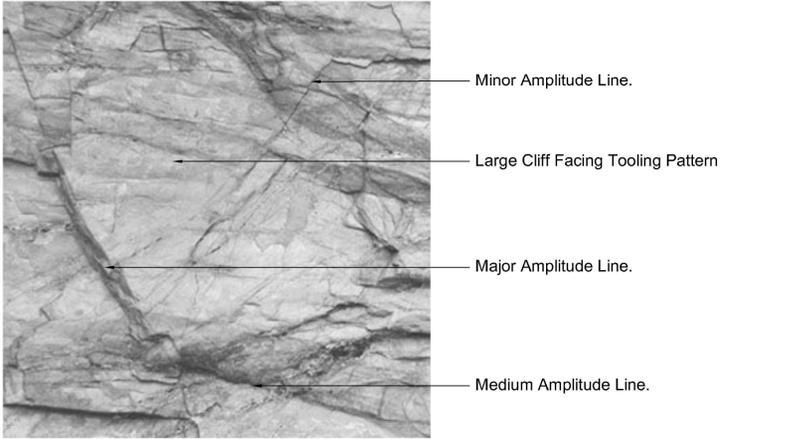
**GENERAL NOTES:**

1. SHOTCRETE WALL TO HAVE RANDOM, NON-REPEATING PATTERN ACROSS EACH WALL FACE.
2. CONTRACTOR TO PROVIDE MOCK-UPS TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO APPLICATION.
  - 2.1. SMOOTH FACE TO BE 1M X 1M SQUARE PANEL INCLUDING COATINGS AND OTHER REQUIREMENTS.
  - 2.2. ROCK FACE TO BE 3M X 3M SHOWING REINFORCED TEXTURE AND COLOR APPEARANCE REQUIREMENTS.
3. ATTACHMENT TO BE ENGINEERED.
4. SHOTCRETE ADMIXTURES TO BE REVIEWED AND APPROVED PRIOR TO INSTALLATION. CONTRACTOR TO INCLUDE A MINIMUM MASTERGLENIUM 7500 TO MINIMIZE SHRINKAGE CRACKING.
5. SHOTCRETE TO ACHIEVE MINIMUM 30 MPA AT 28 DAYS.
6. 150MM UNDULATION ON LOWER TIER ONLY.
7. SHOTCRETE TO EXTEND 300MM (12") BELOW SURFACE GRADE AT WALL.

**DETAIL - APPREANCE**



**DETAIL - TEXTURE**



**Alternative Pricing Item:** replace textured shotcrete with a smooth application.

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 Location:  
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**OVERALL APPEARANCE**



Drawing Title: SHOTCRETE WALL LAYOUT



VDZ Project #: PR2023-04

Drawing #: L-07A

PROPOSED FINISH: ROCK FACE SHOTCRETE WITH ANTI-GRAFFITI COATING WITHIN TENNIS COURT. WALL ELEVATION AND SECTIONS SHOWN.



**PLAY SURFACING SCHEDULE**

SYMBOL	CODE	DESCRIPTION	DETAIL
	PS-101	ACRYLIC SURFACING : GREEN Pantone 7489	
	PS-102	ACRYLIC SURFACING : BLUE Pantone 301	
		Player Use Zone	

NOTE:  
 1. Linework to be 50mm wide, colour to be white as per ITF requirements.

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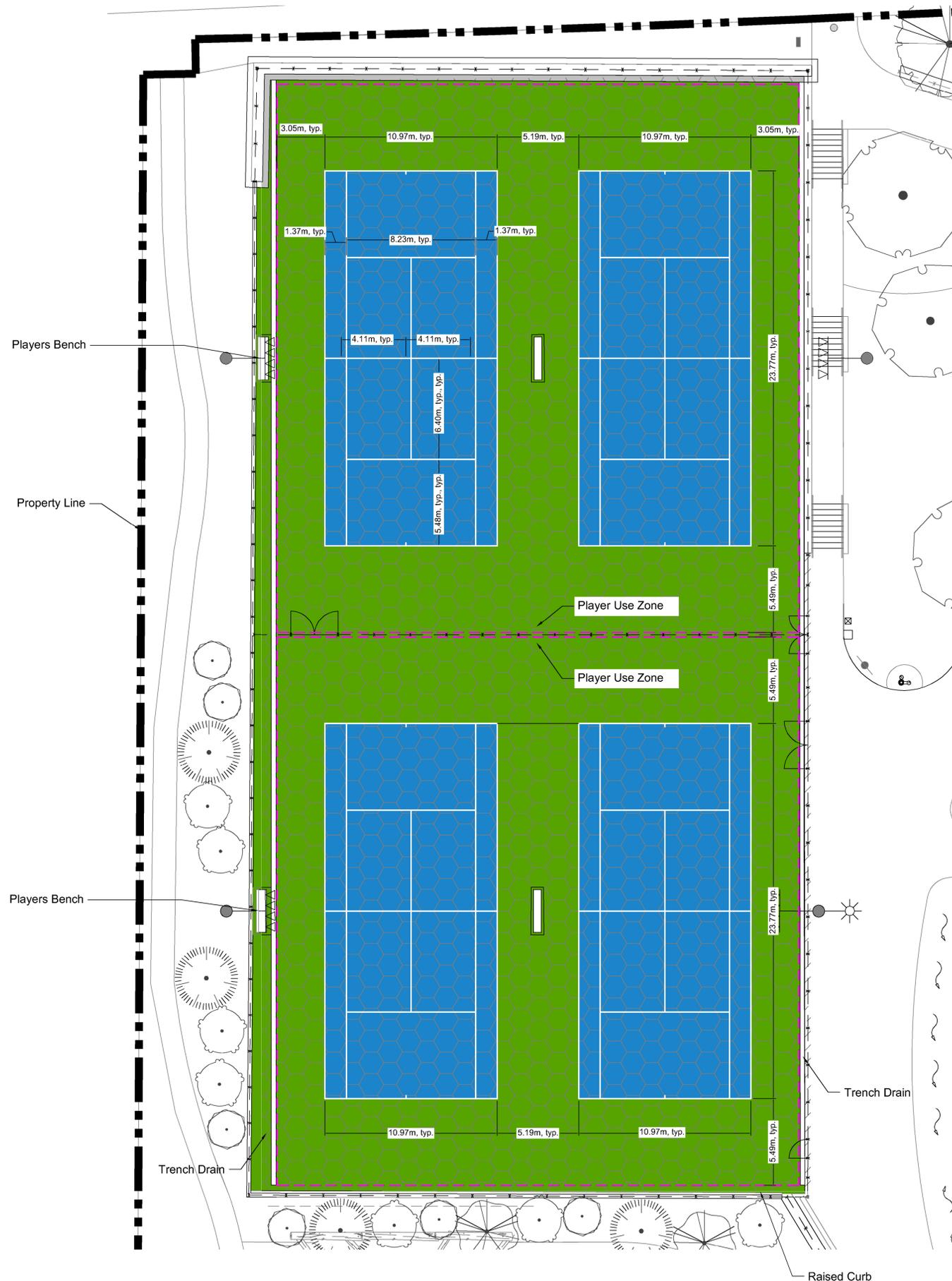
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No.	By:	Description	Date

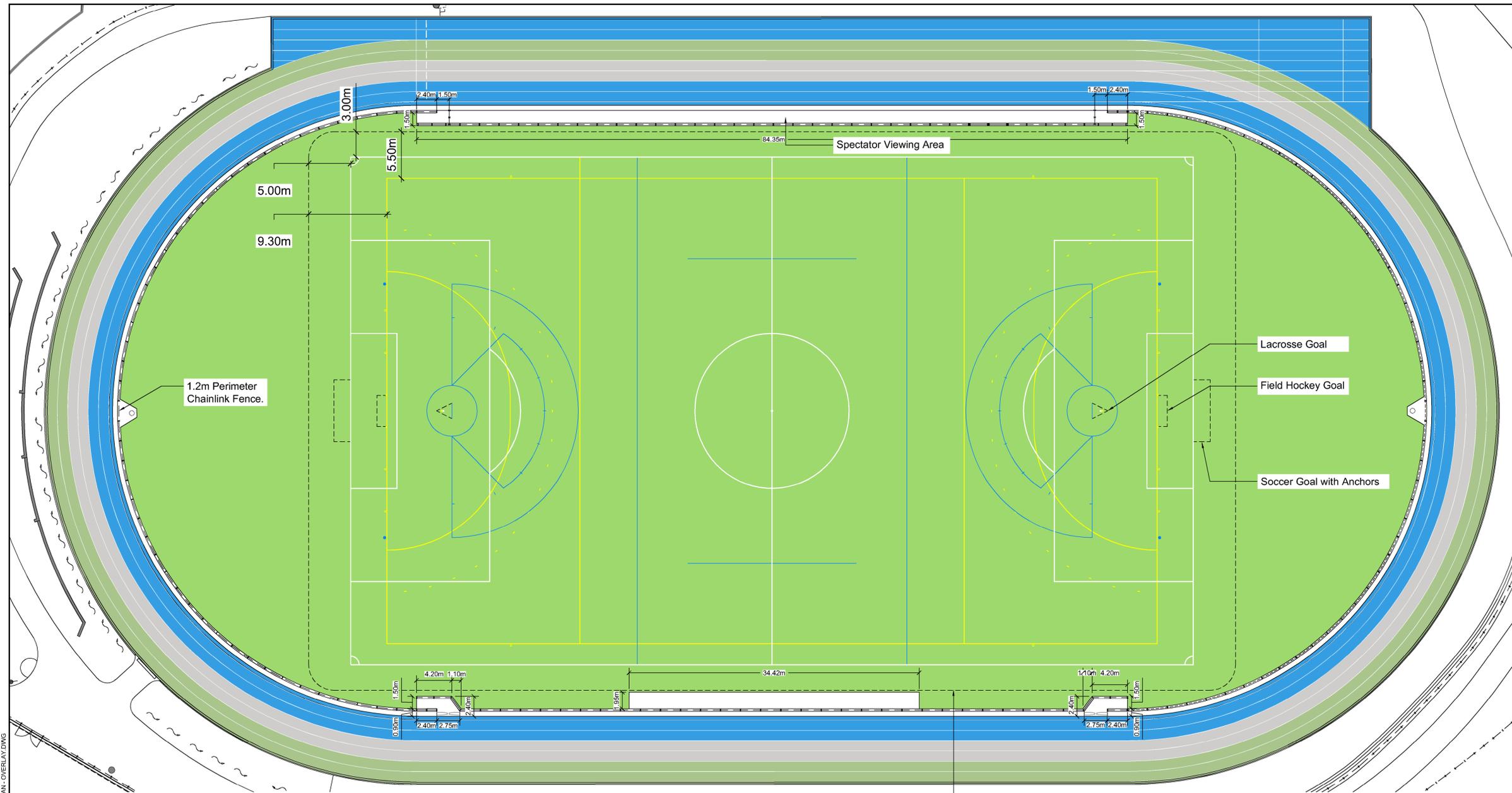
**REVISIONS TABLE FOR SHEET**

Project:  
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 Location:  
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Drawn: BF	Stamp: 
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Approved: TM	Original Sheet Size: 24"x36"
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1:150 0 1.5m 3 4.5 6 7.5 9 10.5 12 13.5 15 16.5 18 19.5 21 22.5



- PRIORITY OF LINES:**
1. SOCCER - WHITE
  2. LACROSSE - BLUE
  3. FIELD HOCKEY - YELLOW

**PLAY SURFACING SCHEDULE**

SYMBOL	CODE	DESCRIPTION
<b>PAVEMENT</b>		
	PS-101	ACRYLIC SURFACING : GREEN Pantone 7489
	PS-102	ACRYLIC SURFACING : BLUE Pantone 301
	PS-103	ARTIFICIAL TURF : GREEN
	PS-104	RUBBER TRACK SURFACING : BLUE
	PS-105	RUBBER TRACK SURFACING : GREY
	PS-106	RUBBER TRACK SURFACING : GREEN

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2	TM	Issued for Review	Mar 06, 2025
1	TM	Issued for Review	Feb 06, 2025

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**Project:**  
BURKE MOUNTAIN ATHLETIC PARK

**Location:**  
3390 & 3400 DAVID AVENUE,  
COQUITLAM, B.C.

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Checked: TM	
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Scale: 1:250	Original Sheet Size: 24"x36"



Z:\PROJECTS\PARKS & RECREATION\ACTIVE\2023\PR2023-04 BURKE MOUNTAIN PARKS\DWG\SHEETS\L-08B SPORTSFIELD LINEMARKING PLAN - OVERLAY.DWG

Drawing Title: SPORTSFIELD LINEMARKING PLAN - OVERLAY



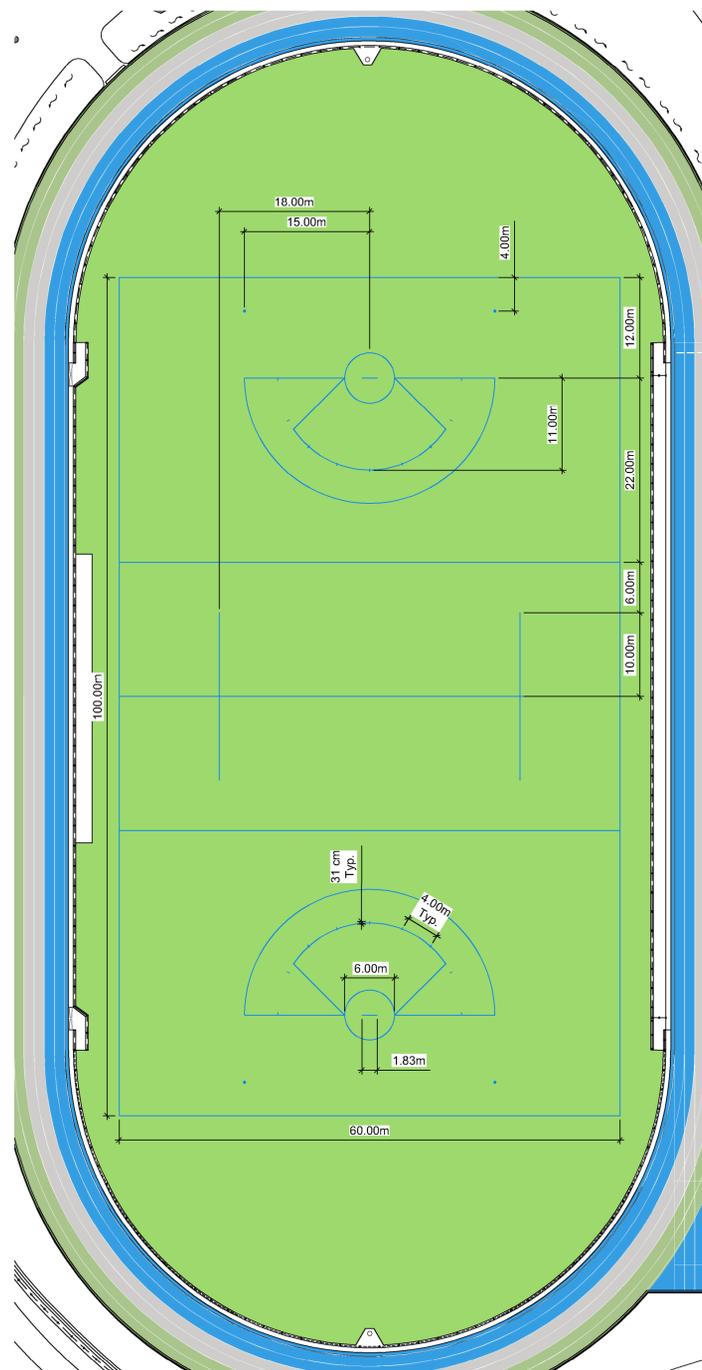
VDZ Project #: PR2023-04

Drawing #: L-08B



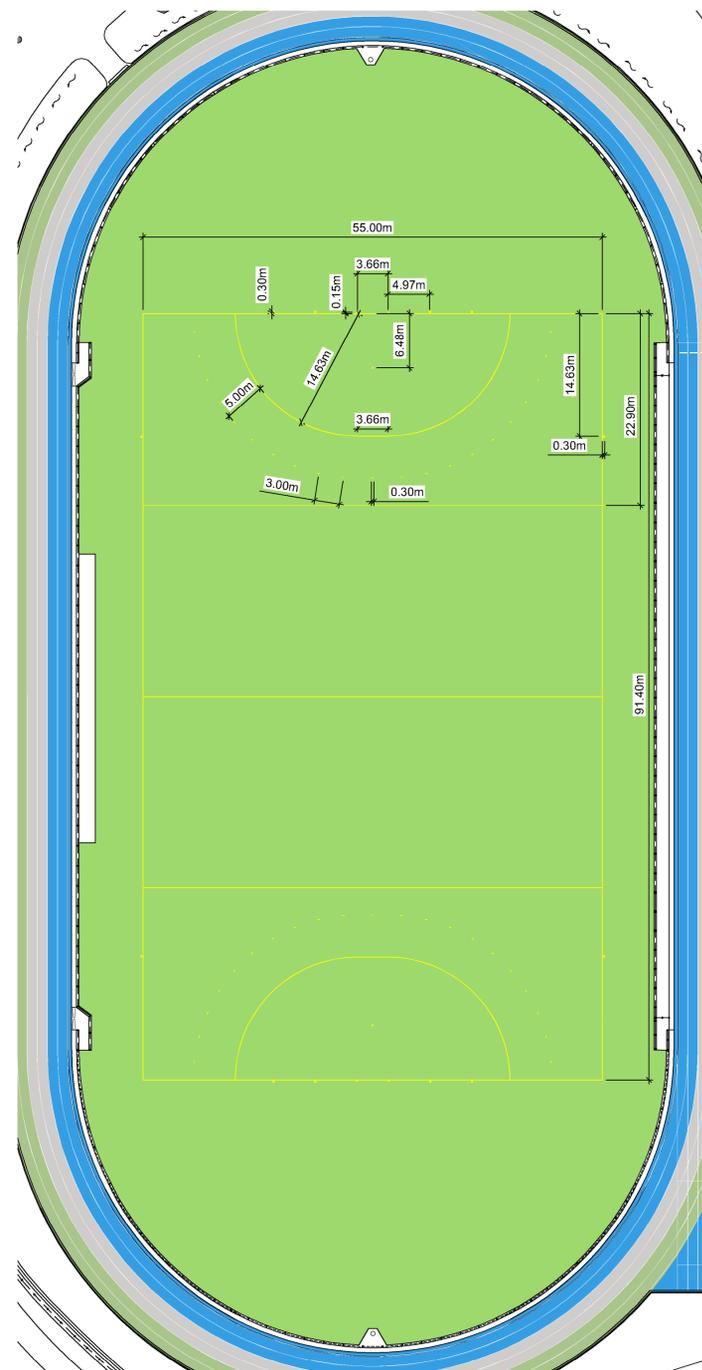
**1 SOCCER DIMENSIONING PLAN**  
Scale 1:400

- NOTES:  
 1. ALL SOCCER LINES TO COMPLY WITH FIFA (LATEST EDITION).  
 2. ALL SOCCER LINES TO BE 100mm THICK.



**2 LACROSSE DIMENSIONING PLAN**  
Scale 1:400

- NOTES:  
 1. ALL LACROSSE LINES TO COMPLY WITH WORLD LACROSSE (MEN'S & WOMEN'S LATEST EDITION)  
 2. LACROSSE CENTRE LINE TO BE 100mm THICK, ALL OTHER LACROSSE LINES TO BE 50mm THICK.



**3 FIELD HOCKEY DIMENSIONING PLAN**  
Scale 1:400

- NOTES:  
 1. ALL FIELD HOCKEY LINES TO COMPLY WITH THE INTERNATIONAL HOCKEY FEDERATION (LATEST EDITION).  
 2. ALL FIELD HOCKEY LINES TO BE 75mm THICK.

Z:\PROJECTS\PARKS & RECREATION\ACTIVE\2023\PR2023-04 BURKE MOUNTAIN PARKS\DWG\SHEETS\L-08C SPORT SFIELD LINEMARKING PLAN - INDIVIDUAL.DWG

**PLAY SURFACING SCHEDULE**

SYMBOL	CODE	DESCRIPTION
	PS-101	ACRYLIC SURFACING : GREEN Pantone 7489
	PS-102	ACRYLIC SURFACING : BLUE Pantone 301
	PS-103	ARTIFICIAL TURF : GREEN
	PS-104	RUBBER TRACK SURFACING : BLUE
	PS-105	RUBBER TRACK SURFACING : GREY
	PS-106	RUBBER TRACK SURFACING : GREEN

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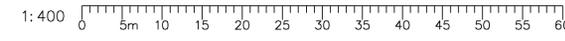
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1	TM	Issued for Review	Feb 02, 2025

No.	By:	Description	Date
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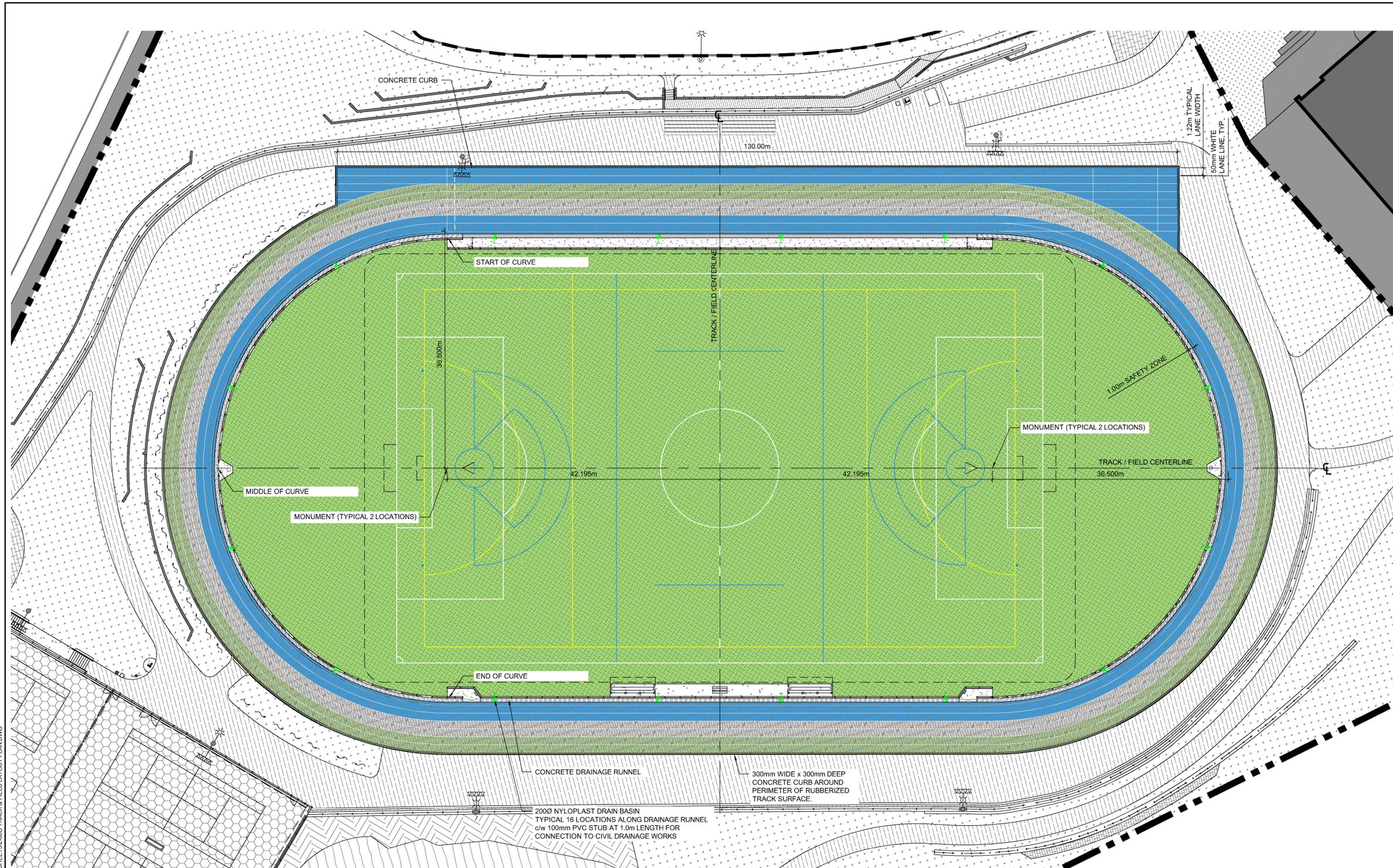
REVISIONS TABLE FOR SHEET

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BURKE MOUNTAIN ATHLETIC PARK  
  
 Location:  
3390 & 3400 DAVID AVENUE,  
COQUITLAM, B.C.

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**PLAY SURFACING SCHEDULE**

SYMBOL	CODE	DESCRIPTION
<b>PAVEMENT</b>		
	PS-101	ACRYLIC SURFACING : GREEN Pantone 7489
	PS-102	ACRYLIC SURFACING : BLUE Pantone 301
	PS-103	ARTIFICIAL TURF : GREEN
	PS-104	RUBBER TRACK SURFACING : BLUE
	PS-105	RUBBER TRACK SURFACING : GREY
	PS-106	RUBBER TRACK SURFACING : GREEN

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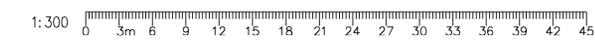
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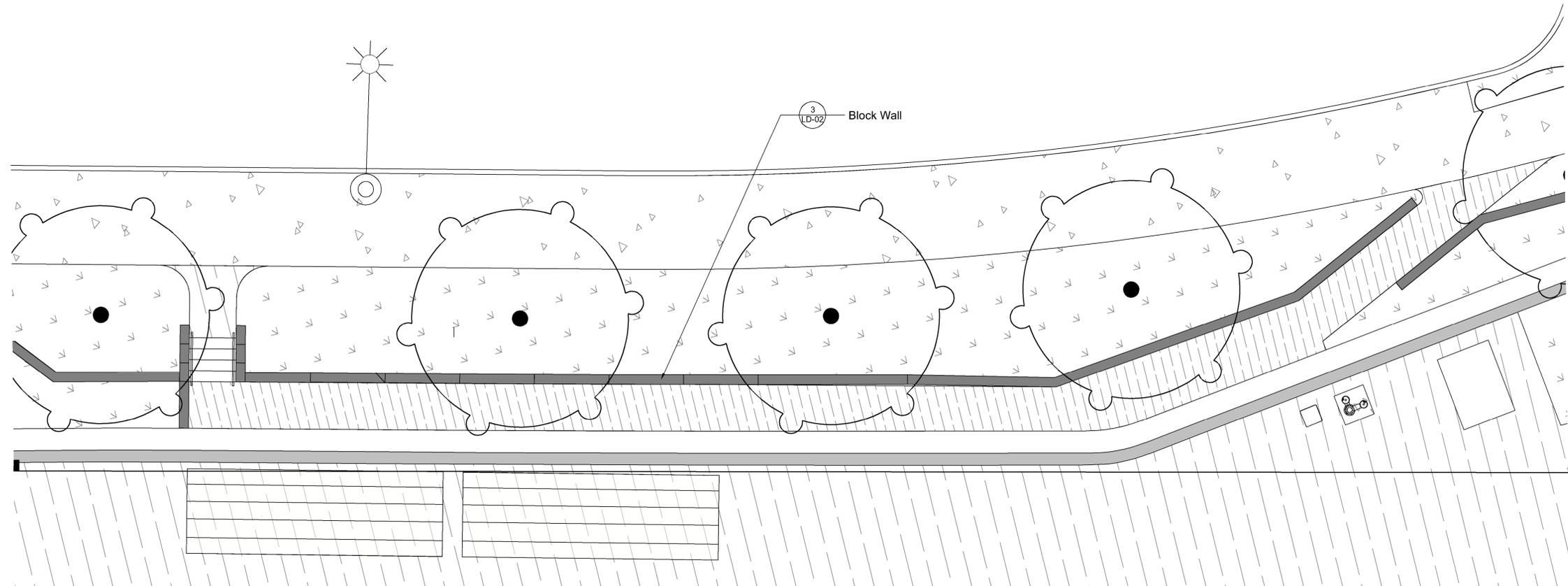
Z:\PROJECTS\PARKS & RECREATION\ACTIVE\2023\PR2023-04 BURKE MOUNTAIN PARKS - DWG\SHEETS\L-08D TRACK & FIELD LAYOUT PLANNING

Drawing Title: TRACK & FIELD LAYOUT PLAN



VDZ Project #: PR2023-04

Drawing #: L-08D



2  
L-09

**1 OVERLOOK PLAN**  
 Scale 1:75

No.	By:	Description	Date
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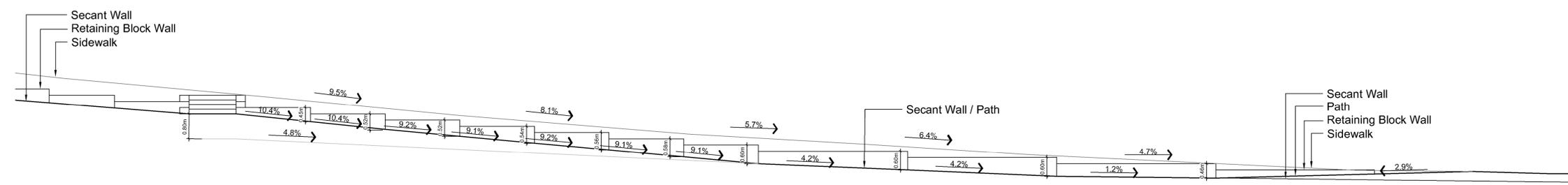
No.	By:	Description	Date

REVISIONS TABLE FOR SHEET

Project:  
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 Location:  
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**2 OVERLOOK ELEVATION**  
 Scale 1:75



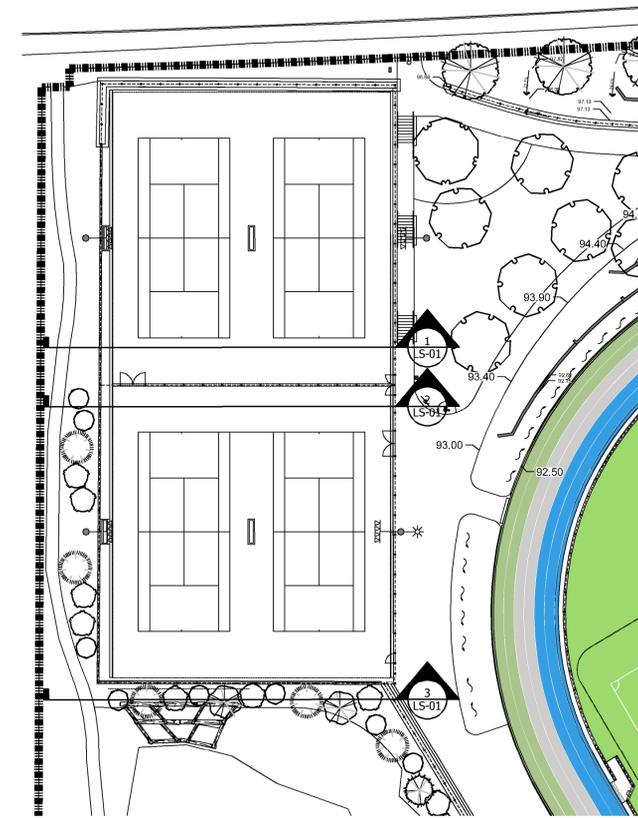
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Drawing Title:  
**FIELD OVERLOOK**

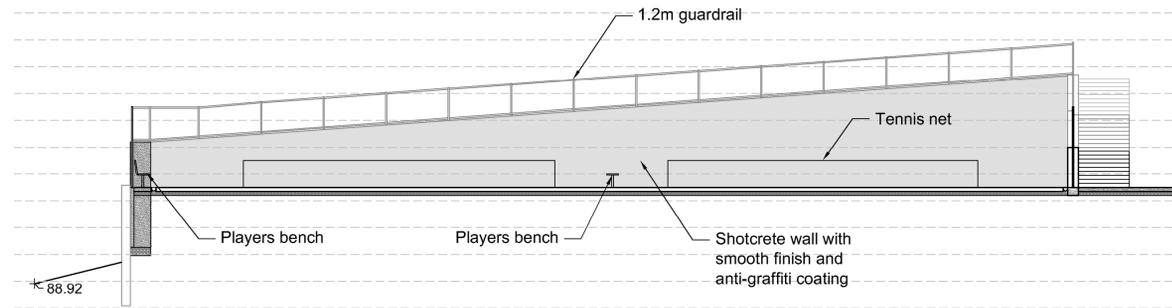


VDZ Project #:  
**PR2023-04**

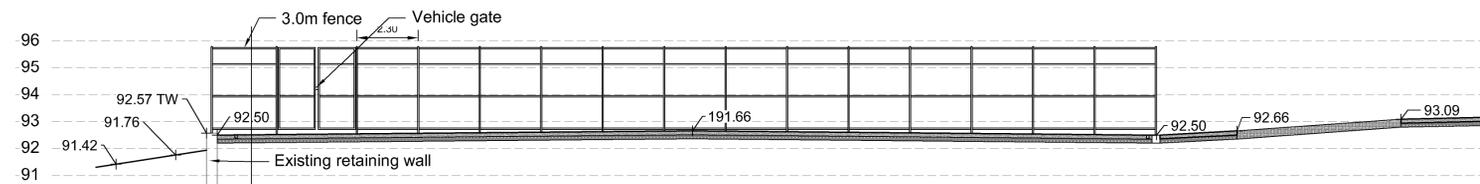
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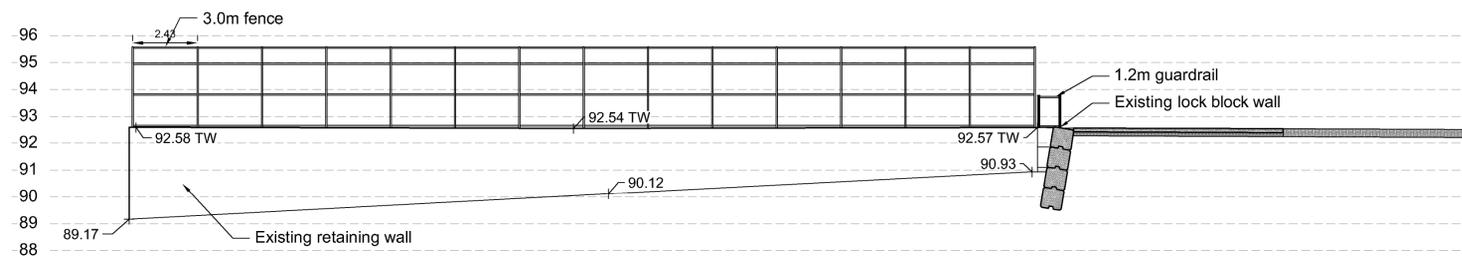
**0** SITE PLAN  
Scale 1:400



**1** FACING NORTH - NORTH HALF OF TENNIS COURT  
Scale 1:125



**2** FACING NORTH - SOUTH HALF OF TENNIS COURT  
Scale 1:125



**3** FACING NORTH - SOUTH HALF OF TENNIS COURT  
Scale 1:125

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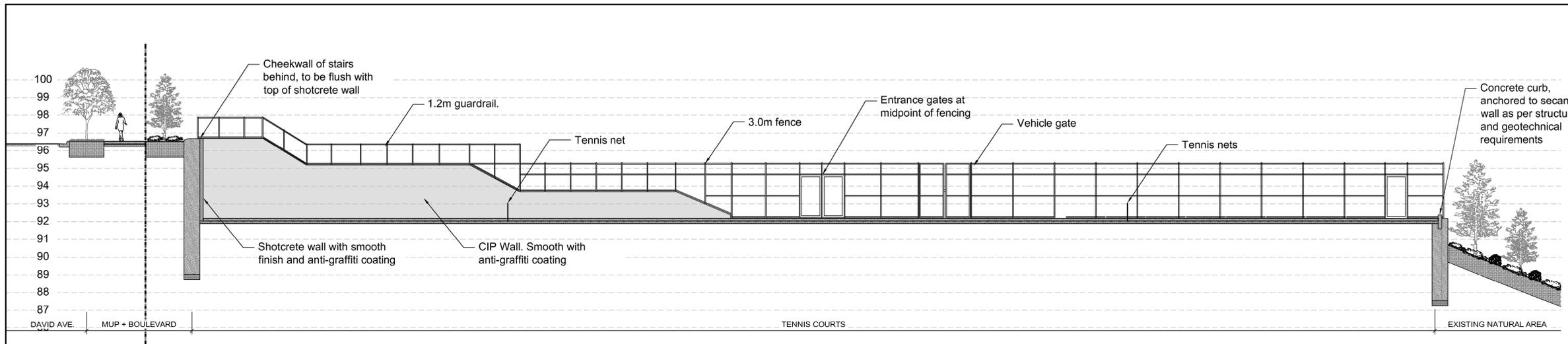
**REVISIONS TABLE FOR SHEET**

Project:  
**BURKE MOUNTAIN ATHLETIC PARK**

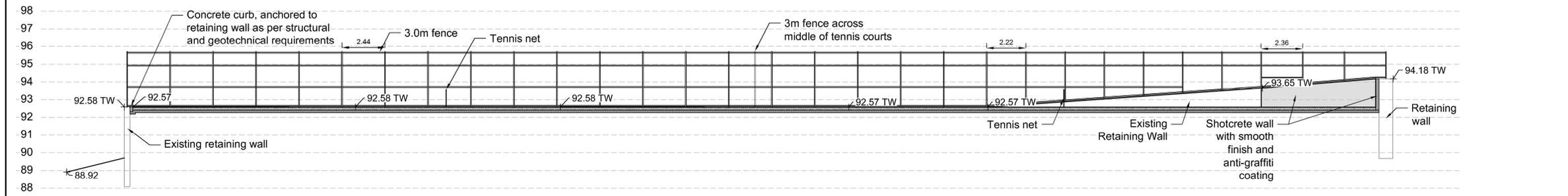
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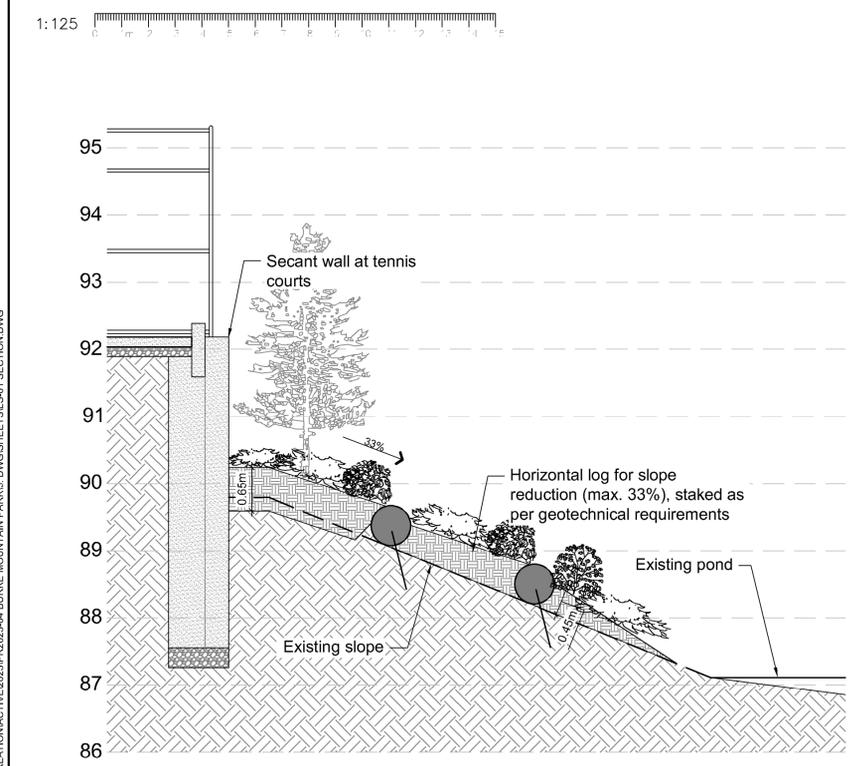




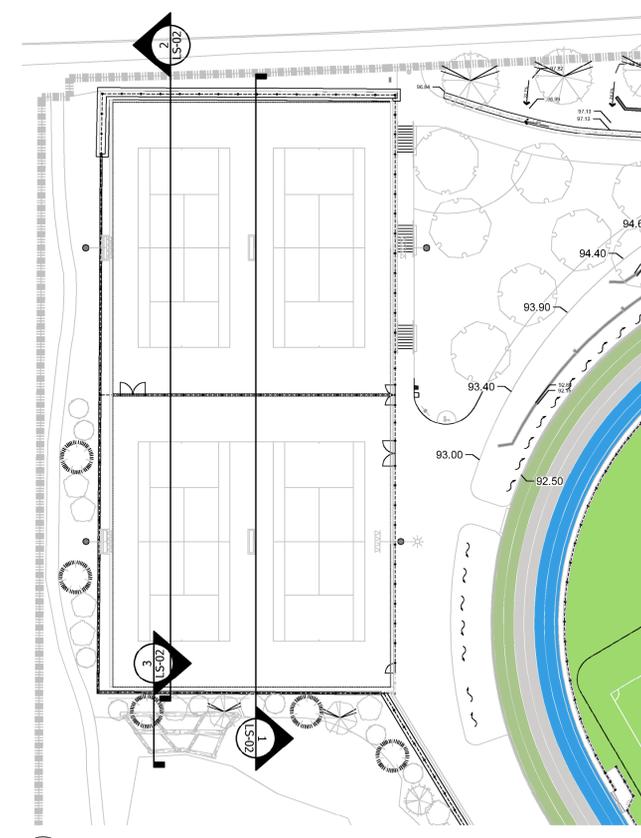
**1** NORTH SOUTH THROUGH TENNIS COURT  
 Scale 1:125



**2** SOUTH NORTH TENNIS COURT SECTION  
 Scale 1:125



**3** SLOPE REDUCTION AT EXISTING POND  
 Scale 1:50



**0** SITE PLAN  
 Scale 1:400

No.	By:	Description	Date
12	TM	Issued for RFP	May 05, 2025
11	TM	Issued for 100%	March 25, 2025
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1	TM	Issued for Review	May 06, 2023

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**REVISIONS TABLE FOR SHEET**

Project:  
 BURKE MOUNTAIN ATHLETIC PARK  
 Location:  
 3390 & 3400 DAVID AVENUE,  
 COQUITLAM, B.C.

Drawn: BF	Stamp:
Checked: TM	
Approved: TM	
Scale: AS SHOWN	Original Sheet Size: 24"x36"

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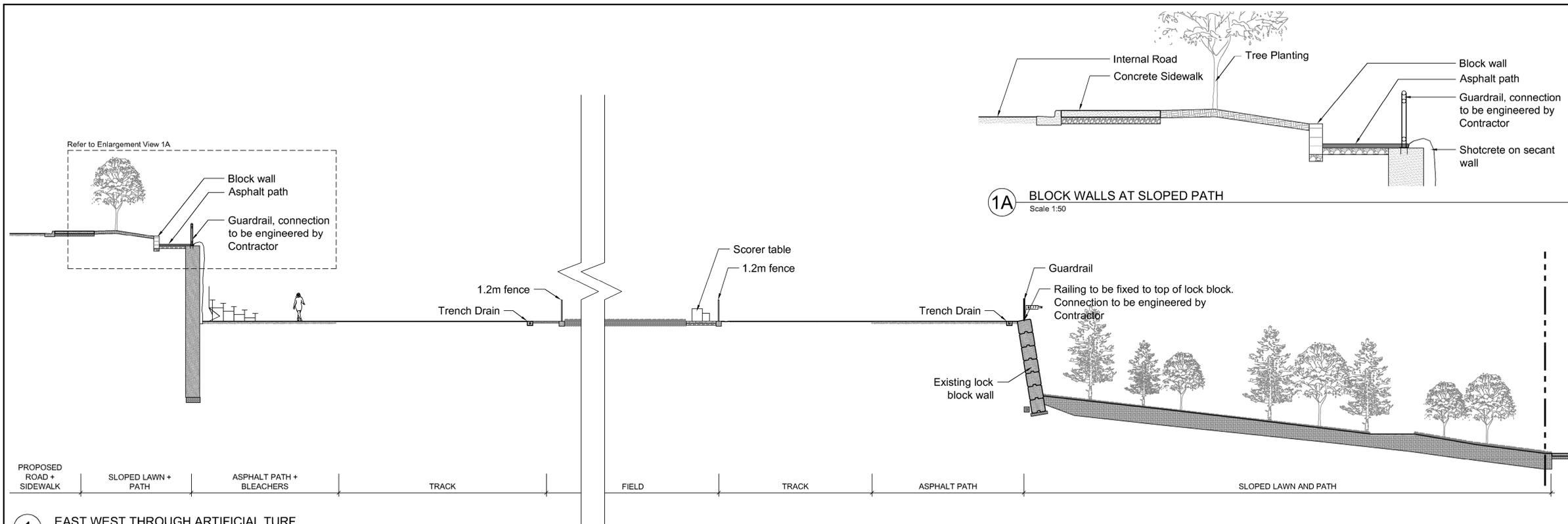
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**SECTION**



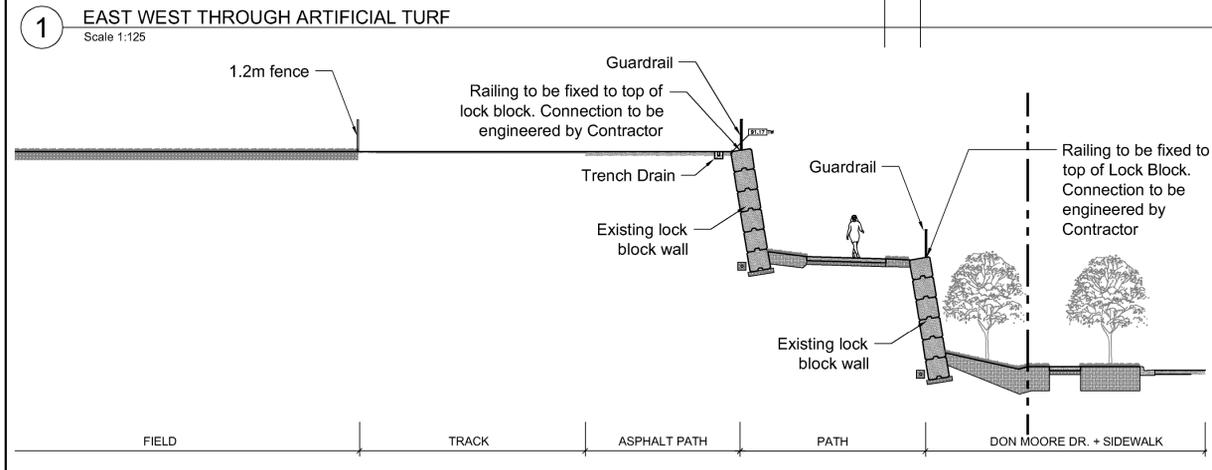
VDZ Project #:  
**PR2023-04**

Drawing #:  
**LS-02**

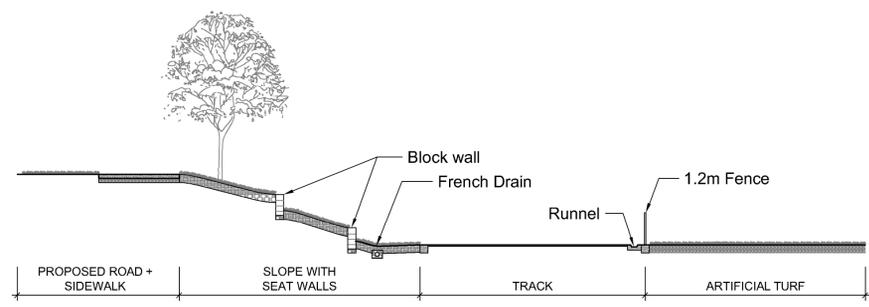
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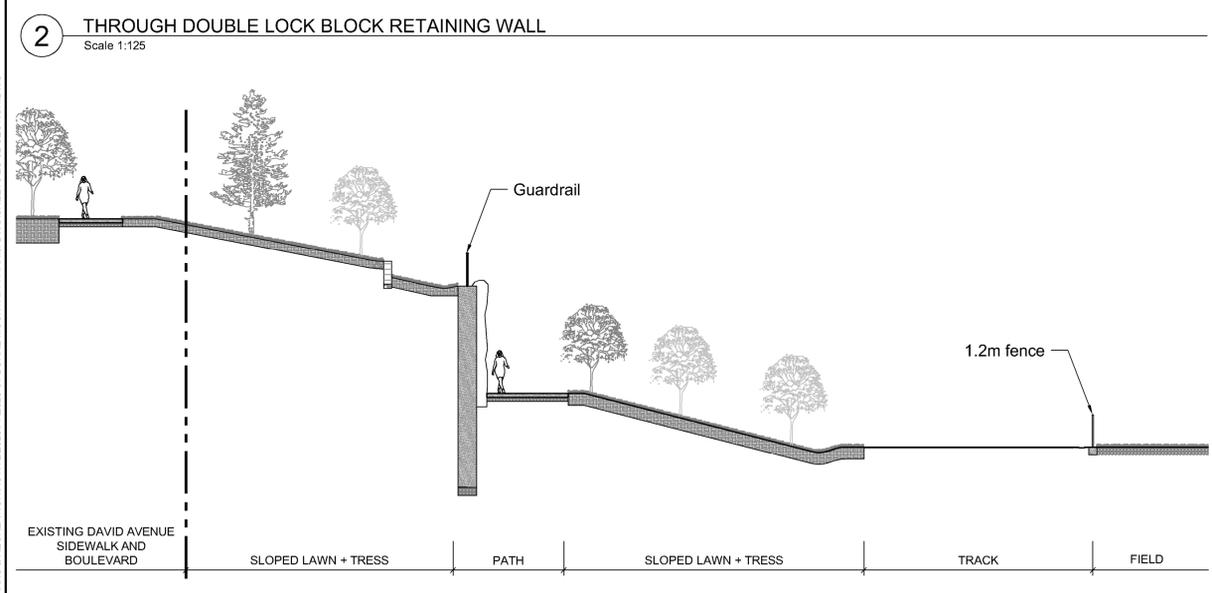
**1A** BLOCK WALLS AT SLOPED PATH  
 Scale 1:50



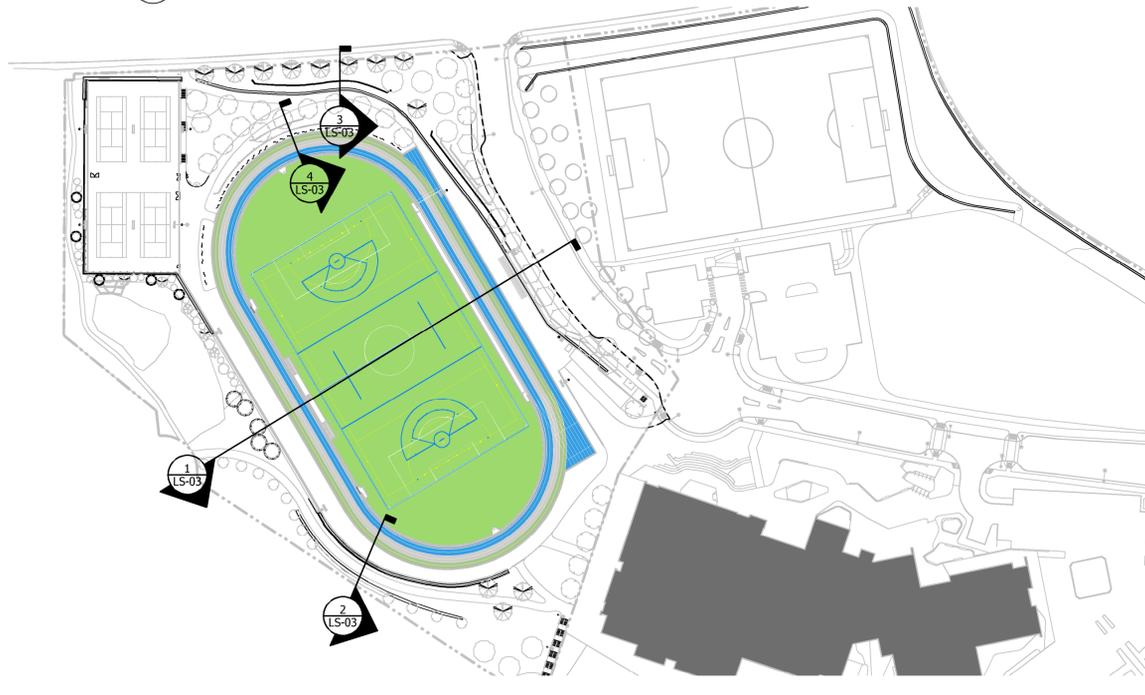
**1** EAST WEST THROUGH ARTIFICIAL TURF  
 Scale 1:125



**4** NORTH SLOPE TO TRACK AND FIELD  
 Scale 1:125



**2** THROUGH DOUBLE LOCK BLOCK RETAINING WALL  
 Scale 1:125



**0** SITE PLAN  
 Scale 1:300

**3** NORTH SOUTH THROUGH ACCESSIBLE PATH  
 Scale 1:125

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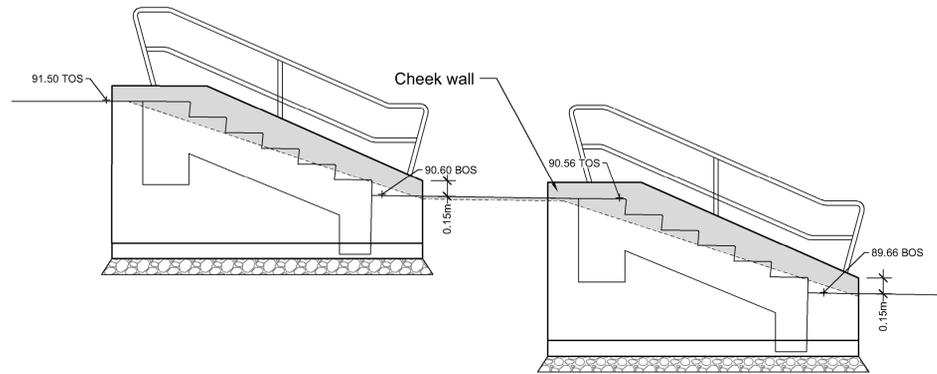
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Drawing Title: SECTION  
 Drawing #: PR2023-04 LS-03

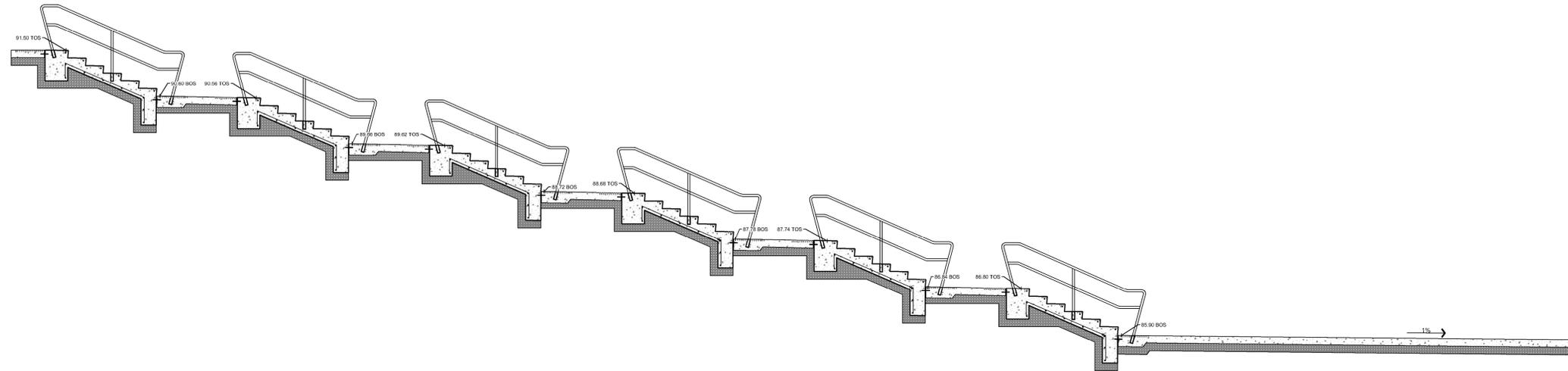




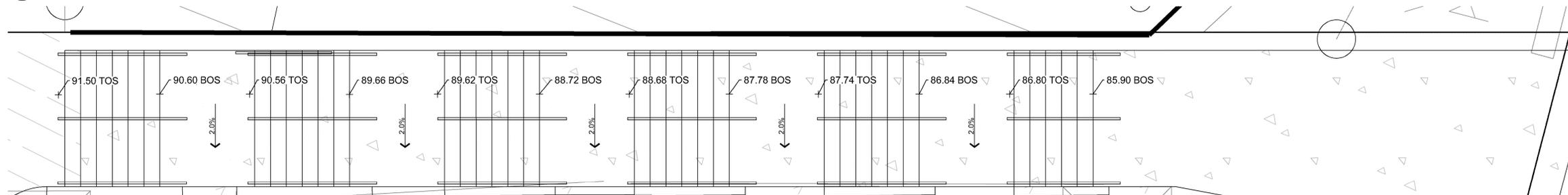
**0 SITE PLAN**  
 Scale 1:1000



**1 STAIR ELEVATION - TYPICAL CHEEK WALL AND GRADING**  
 Scale 1:50



**2 STAIR SECTION**  
 Scale 1:50



**3 STAIR ENLARGEMENT PLAN**  
 Scale 1:50

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 COQUITLAM, B.C.

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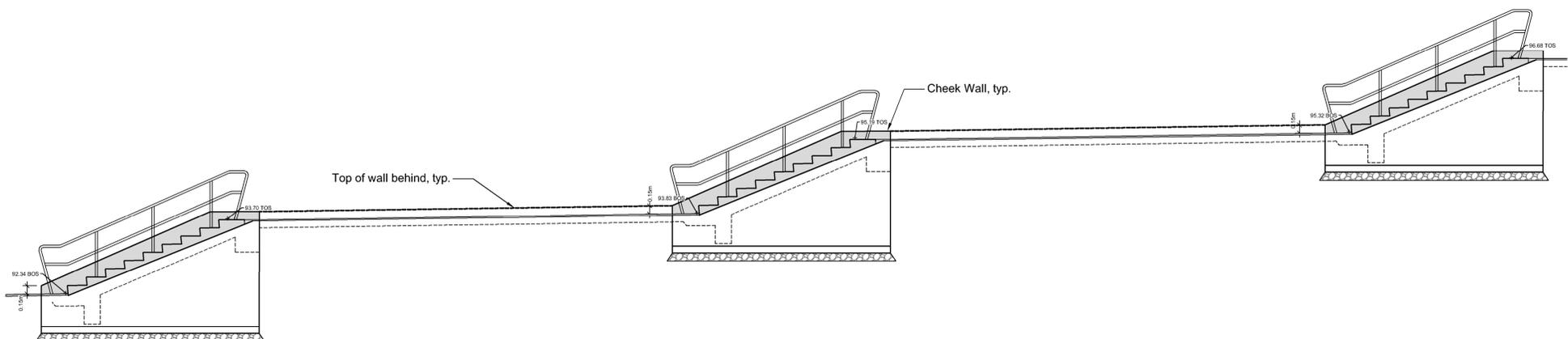
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VDZ Project #:  
**PR2023-04**

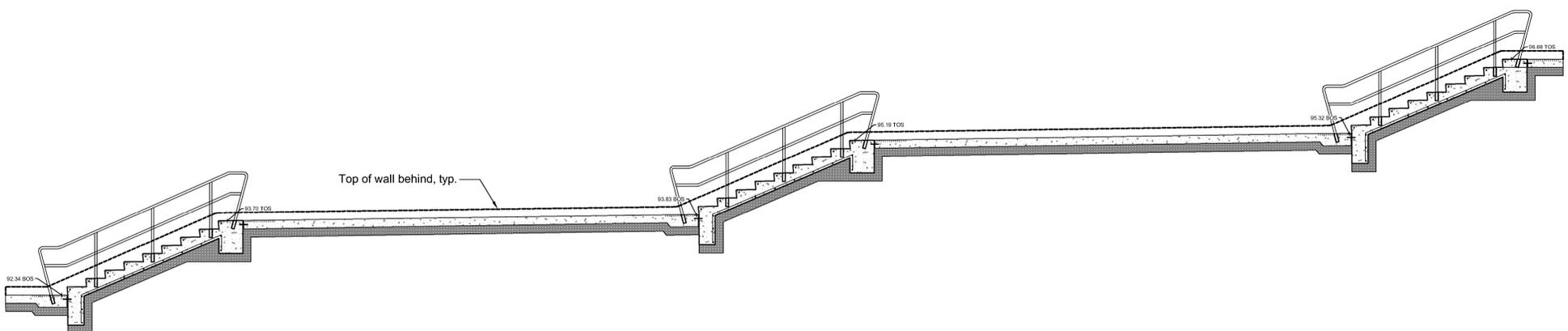
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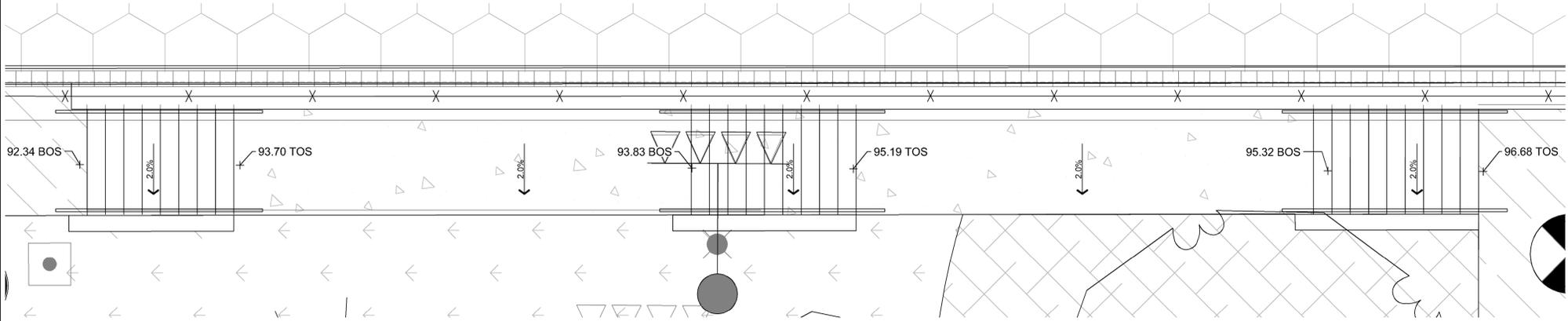
**0 SITE PLAN**  
Scale 1:2000



**1 STAIR ELEVATION**  
Scale 1:50



**2 STAIR SECTION**  
Scale 1:50



**3 STAIR ENLARGEMENT PLAN**  
Scale 1:50

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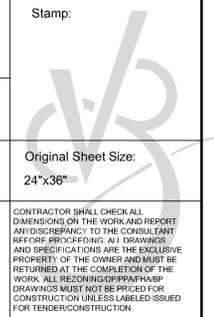
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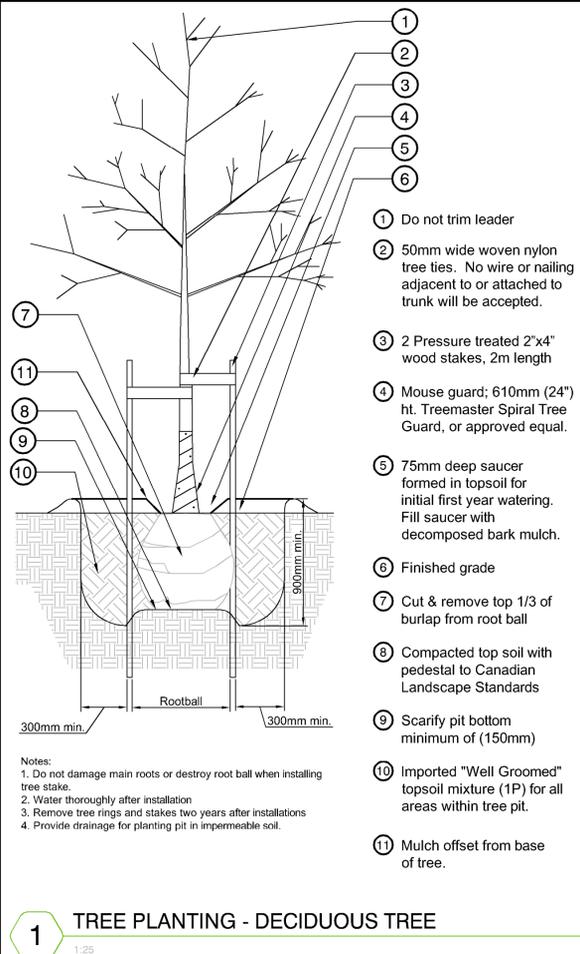
Project:  
BURKE MOUNTAIN ATHLETIC PARK  
Location:  
3390 & 3400 DAVID AVENUE,  
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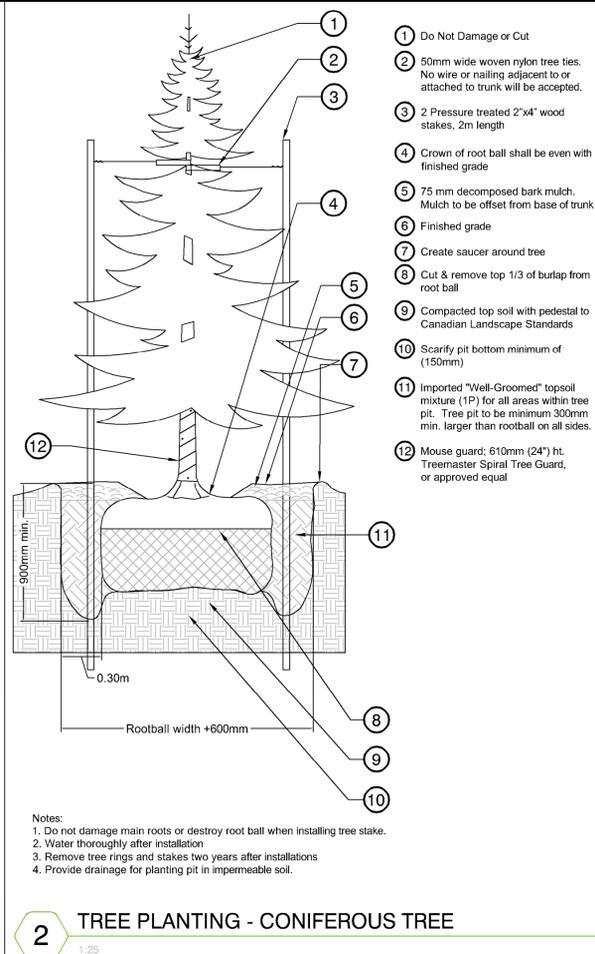
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Drawing Title: SECTION  
VDZ Project #: PR2023-04  
Drawing #: LS-05



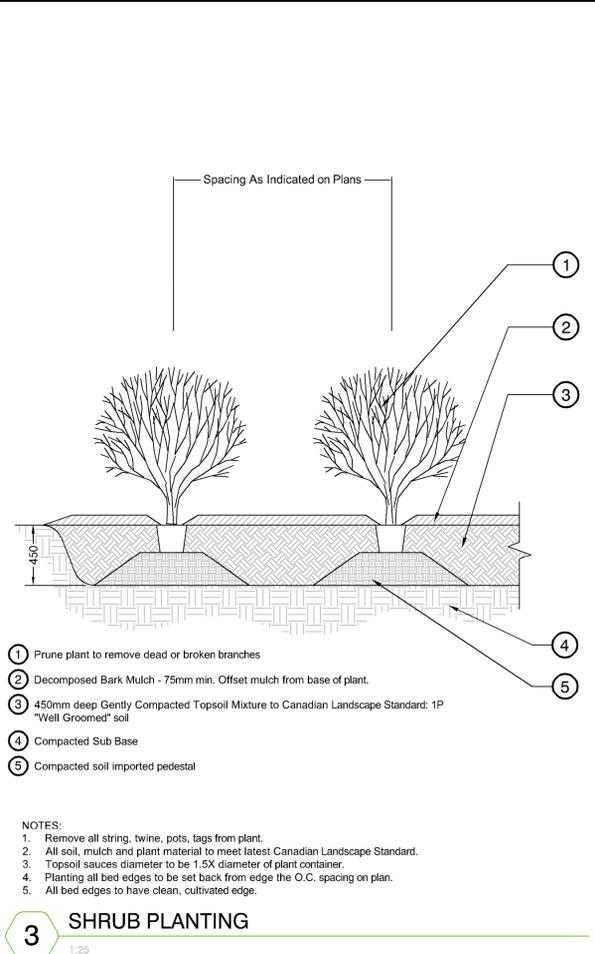
- 1 Do not trim leader
- 2 50mm wide woven nylon tree ties. No wire or nailing adjacent to or attached to trunk will be accepted.
- 3 2 Pressure treated 2"x4" wood stakes, 2m length
- 4 Mouse guard; 610mm (24") ht. Treemaster Spiral Tree Guard, or approved equal.
- 5 75mm deep saucer formed in topsoil for initial first year watering. Fill saucer with decomposed bark mulch.
- 6 Finished grade
- 7 Cut & remove top 1/3 of burlap from root ball
- 8 Compacted top soil with pedestal to Canadian Landscape Standards
- 9 Scarify pit bottom minimum of (150mm)
- 10 Imported "Well Groomed" topsoil mixture (1P) for all areas within tree pit.
- 11 Mulch offset from base of tree.

1 TREE PLANTING - DECIDUOUS TREE  
1:25



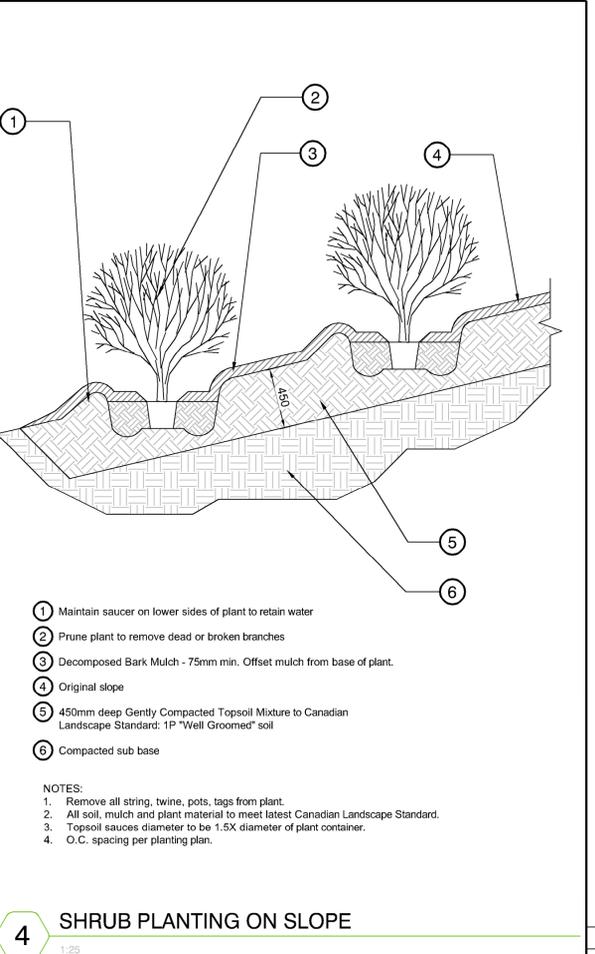
- 1 Do Not Damage or Cut
- 2 50mm wide woven nylon tree ties. No wire or nailing adjacent to or attached to trunk will be accepted.
- 3 2 Pressure treated 2"x4" wood stakes, 2m length
- 4 Crown of root ball shall be even with finished grade
- 5 75 mm decomposed bark mulch. Mulch to be offset from base of trunk
- 6 Finished grade
- 7 Create saucer around tree
- 8 Cut & remove top 1/3 of burlap from root ball
- 9 Compacted top soil with pedestal to Canadian Landscape Standards
- 10 Scarify pit bottom minimum of (150mm)
- 11 Imported "Well-Groomed" topsoil mixture (1P) for all areas within tree pit. Tree pit to be minimum 300mm min. larger than rootball on all sides.
- 12 Mouse guard; 610mm (24") ht. Treemaster Spiral Tree Guard, or approved equal

2 TREE PLANTING - CONIFEROUS TREE  
1:25



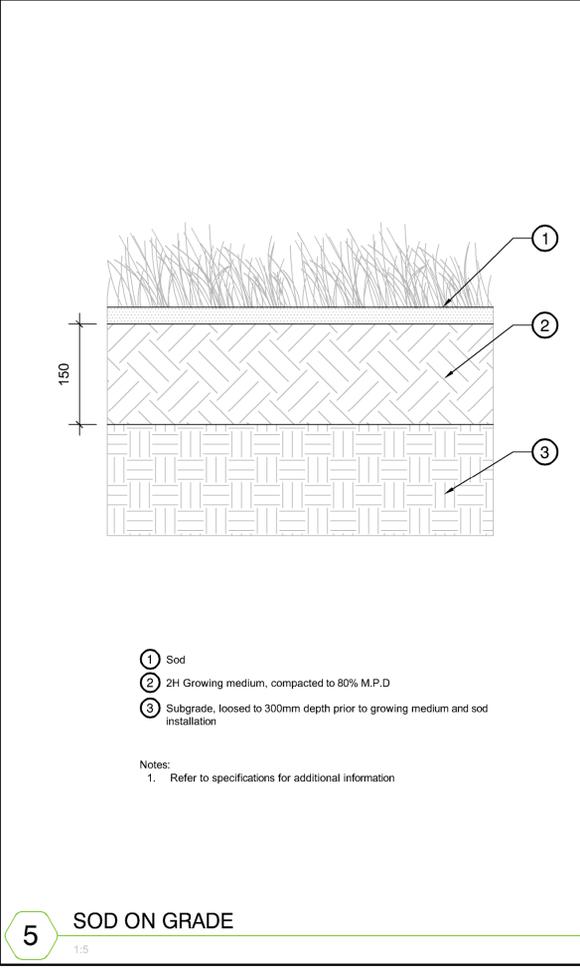
- 1 Prune plant to remove dead or broken branches
- 2 Decomposed Bark Mulch - 75mm min. Offset mulch from base of plant.
- 3 450mm deep Gently Compacted Topsoil Mixture to Canadian Landscape Standard: 1P "Well Groomed" soil
- 4 Compacted Sub Base
- 5 Compacted soil imported pedestal

3 SHRUB PLANTING  
1:25



- 1 Maintain saucer on lower sides of plant to retain water
- 2 Prune plant to remove dead or broken branches
- 3 Decomposed Bark Mulch - 75mm min. Offset mulch from base of plant.
- 4 Original slope
- 5 450mm deep Gently Compacted Topsoil Mixture to Canadian Landscape Standard: 1P "Well Groomed" soil
- 6 Compacted sub base

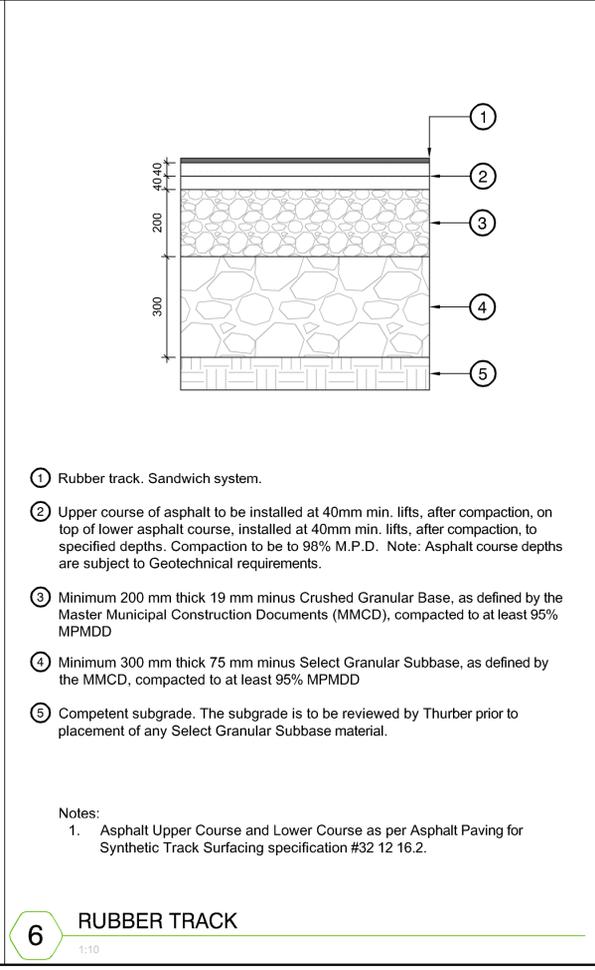
4 SHRUB PLANTING ON SLOPE  
1:25



- 1 Sod
- 2 2H Growing medium, compacted to 80% M.P.D
- 3 Subgrade, loosed to 300mm depth prior to growing medium and sod installation

Notes:  
1. Refer to specifications for additional information

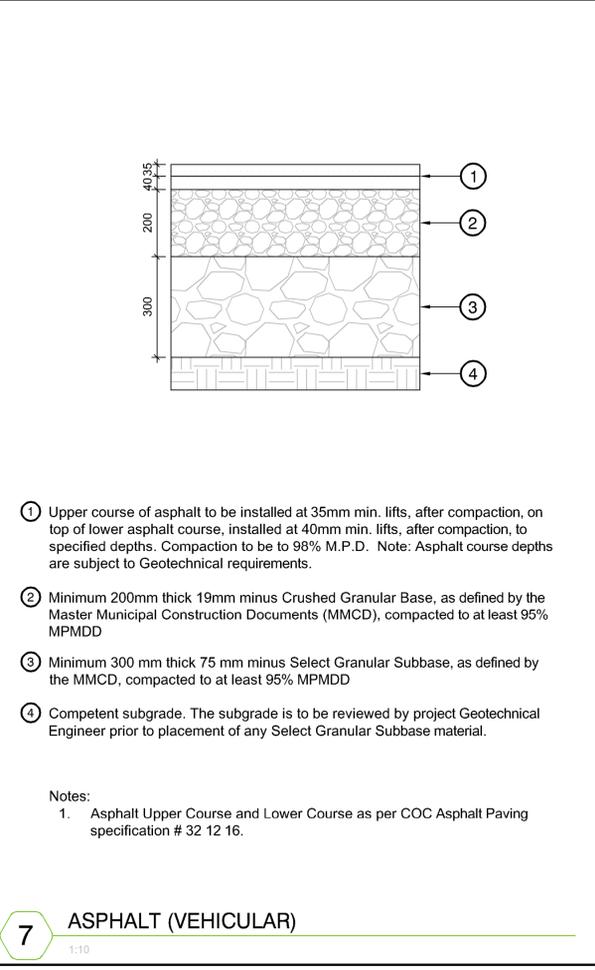
5 SOD ON GRADE  
1:5



- 1 Rubber track. Sandwich system.
- 2 Upper course of asphalt to be installed at 40mm min. lifts, after compaction, on top of lower asphalt course, installed at 40mm min. lifts, after compaction, to specified depths. Compaction to be to 98% M.P.D. Note: Asphalt course depths are subject to Geotechnical requirements.
- 3 Minimum 200 mm thick 19 mm minus Crushed Granular Base, as defined by the Master Municipal Construction Documents (MMCD), compacted to at least 95% MPMD
- 4 Minimum 300 mm thick 75 mm minus Select Granular Subbase, as defined by the MMCD, compacted to at least 95% MPMD
- 5 Competent subgrade. The subgrade is to be reviewed by Thurber prior to placement of any Select Granular Subbase material.

Notes:  
1. Asphalt Upper Course and Lower Course as per Asphalt Paving for Synthetic Track Surfacing specification #32 12 16.2.

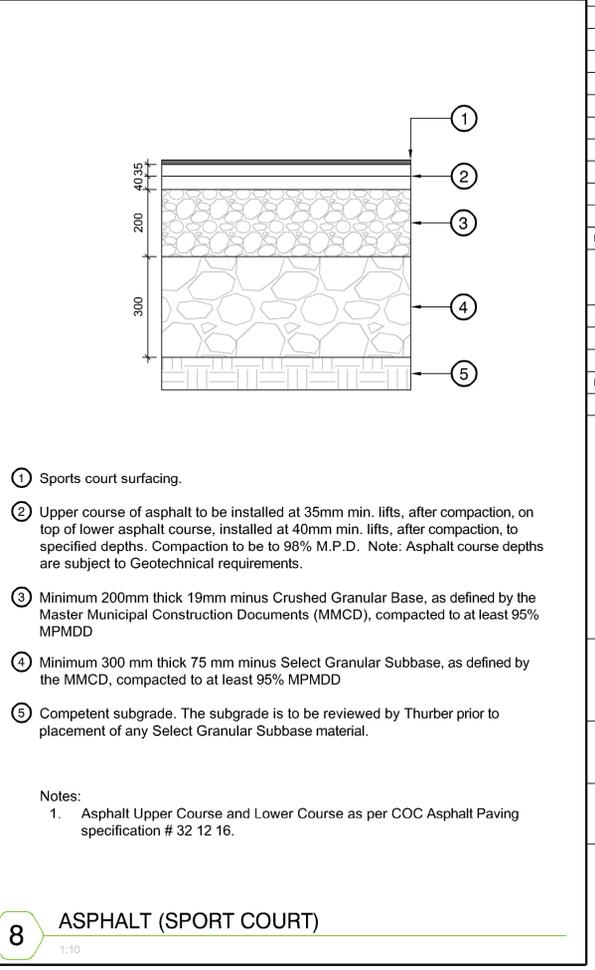
6 RUBBER TRACK  
1:10



- 1 Upper course of asphalt to be installed at 35mm min. lifts, after compaction, on top of lower asphalt course, installed at 40mm min. lifts, after compaction, to specified depths. Compaction to be to 98% M.P.D. Note: Asphalt course depths are subject to Geotechnical requirements.
- 2 Minimum 200mm thick 19mm minus Crushed Granular Base, as defined by the Master Municipal Construction Documents (MMCD), compacted to at least 95% MPMD
- 3 Minimum 300 mm thick 75 mm minus Select Granular Subbase, as defined by the MMCD, compacted to at least 95% MPMD
- 4 Competent subgrade. The subgrade is to be reviewed by project Geotechnical Engineer prior to placement of any Select Granular Subbase material.

Notes:  
1. Asphalt Upper Course and Lower Course as per COC Asphalt Paving specification # 32 12 16.

7 ASPHALT (VEHICULAR)  
1:10



- 1 Sports court surfacing.
- 2 Upper course of asphalt to be installed at 35mm min. lifts, after compaction, on top of lower asphalt course, installed at 40mm min. lifts, after compaction, to specified depths. Compaction to be to 98% M.P.D. Note: Asphalt course depths are subject to Geotechnical requirements.
- 3 Minimum 200mm thick 19mm minus Crushed Granular Base, as defined by the Master Municipal Construction Documents (MMCD), compacted to at least 95% MPMD
- 4 Minimum 300 mm thick 75 mm minus Select Granular Subbase, as defined by the MMCD, compacted to at least 95% MPMD
- 5 Competent subgrade. The subgrade is to be reviewed by Thurber prior to placement of any Select Granular Subbase material.

Notes:  
1. Asphalt Upper Course and Lower Course as per COC Asphalt Paving specification # 32 12 16.

8 ASPHALT (SPORT COURT)  
1:10

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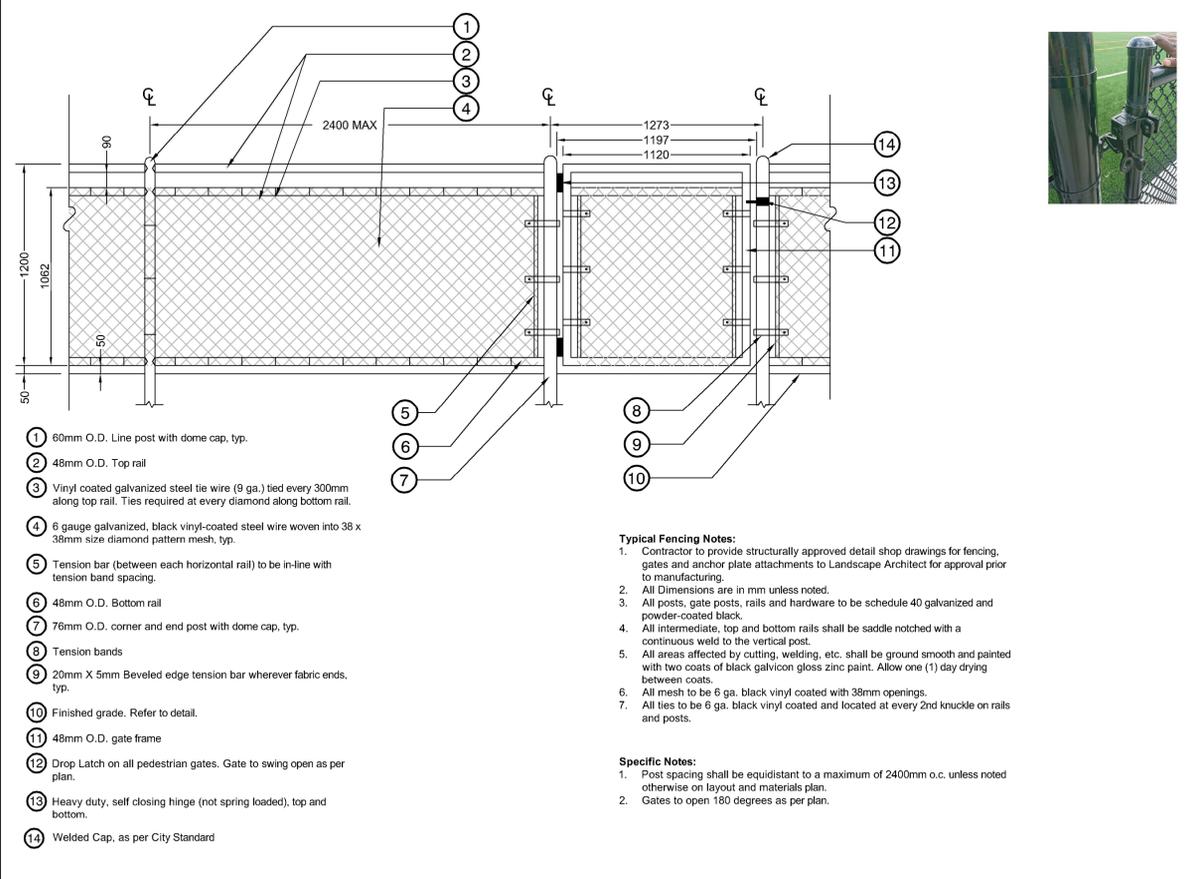
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Location:  
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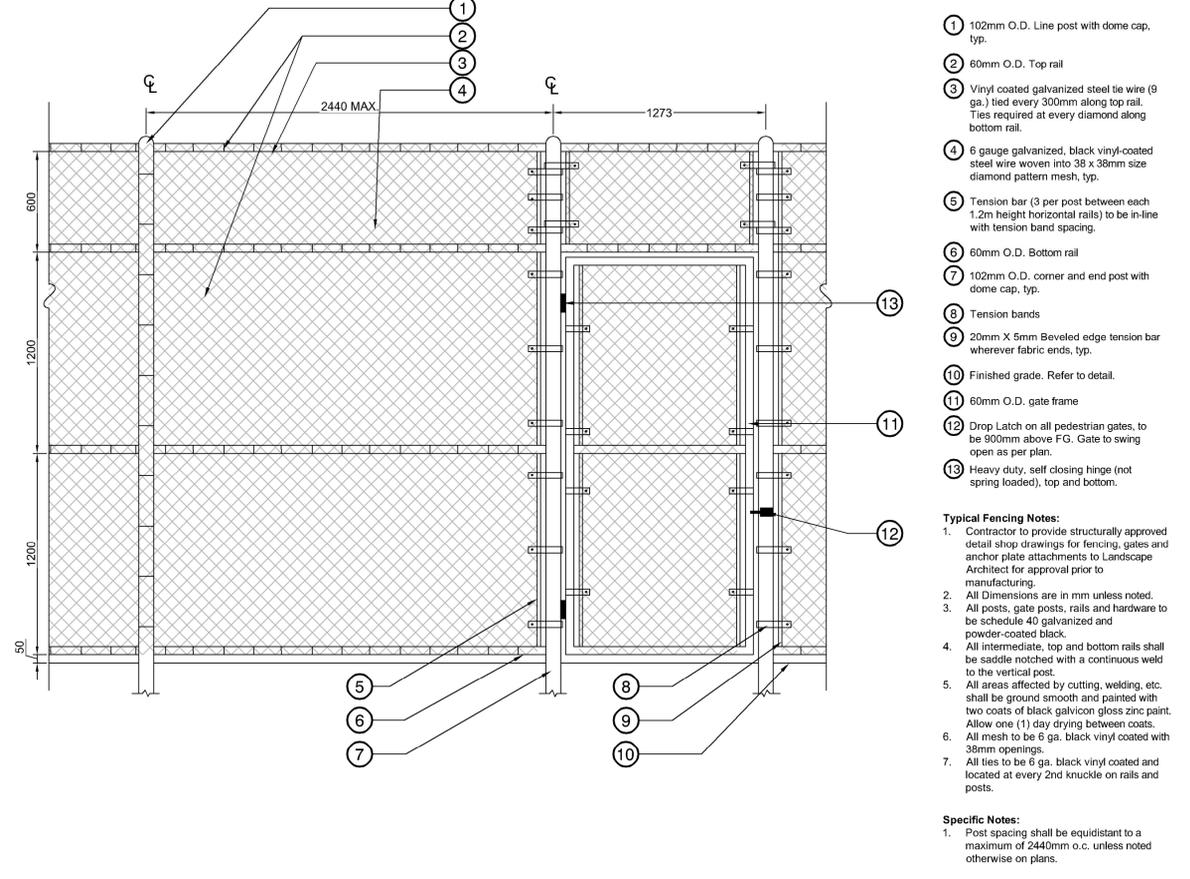
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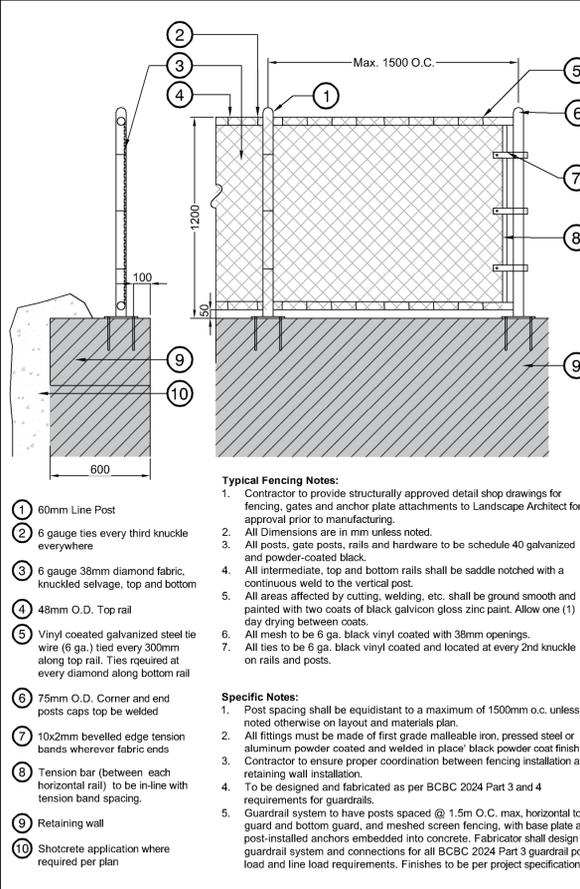




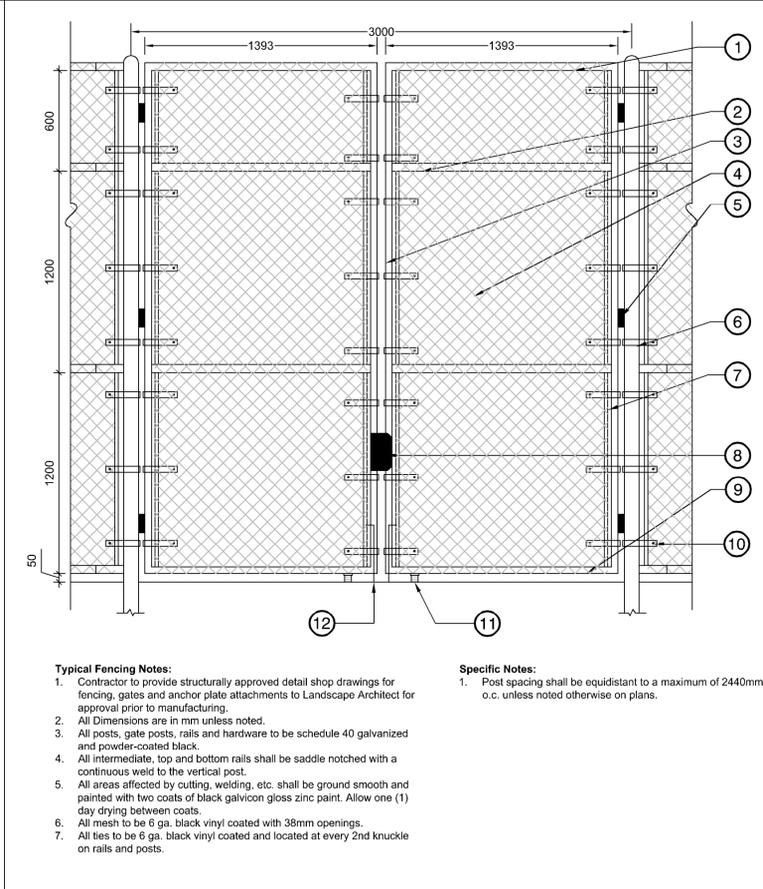
**1** 1.2M DOUBLE RAIL CHAIN LINK FENCE & GATE  
 1:20



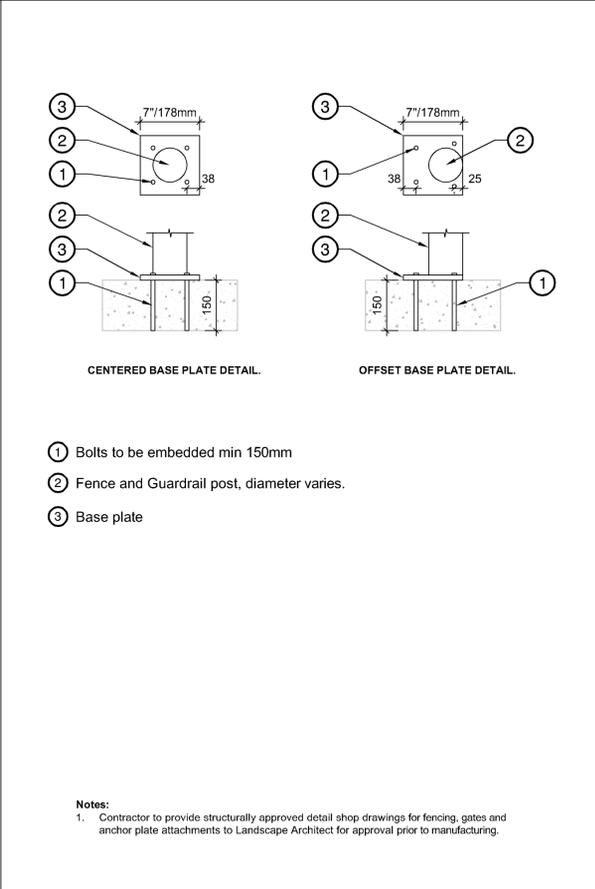
**2** 3.0M CHAIN LINK FENCE & SINGLE GATE  
 1:20



**3** 1.2M CHAIN LINK GUARDRAIL  
 1:20



**4** 3M CHAIN LINK DOUBLE MAINTENANCE GATE  
 1:20



**5** FENCE AND GUARDRAIL BASE PLATE  
 1:10

- Typical Fencing Notes:**
- Contractor to provide structurally approved detail shop drawings for fencing, gates and anchor plate attachments to Landscape Architect for approval prior to manufacturing.
  - All Dimensions are in mm unless noted.
  - All posts, gate posts, rails and hardware to be schedule 40 galvanized and powder-coated black.
  - All intermediate, top and bottom rails shall be saddle notched with a continuous weld to the vertical post.
  - All areas affected by cutting, welding, etc. shall be ground smooth and painted with two coats of black galvicon gloss zinc paint. Allow one (1) day drying between coats.
  - All mesh to be 6 ga. black vinyl coated with 38mm openings.
  - All ties to be 6 ga. black vinyl coated and located at every 2nd knuckle on rails and posts.
- Specific Notes:**
- Post spacing shall be equidistant to a maximum of 2400mm o.c. unless noted otherwise on layout and materials plan.
  - Gates to open 180 degrees as per plan.

- Typical Fencing Notes:**
- Contractor to provide structurally approved detail shop drawings for fencing, gates and anchor plate attachments to Landscape Architect for approval prior to manufacturing.
  - All Dimensions are in mm unless noted.
  - All posts, gate posts, rails and hardware to be schedule 40 galvanized and powder-coated black.
  - All intermediate, top and bottom rails shall be saddle notched with a continuous weld to the vertical post.
  - All areas affected by cutting, welding, etc. shall be ground smooth and painted with two coats of black galvicon gloss zinc paint. Allow one (1) day drying between coats.
  - All mesh to be 6 ga. black vinyl coated with 38mm openings.
  - All ties to be 6 ga. black vinyl coated and located at every 2nd knuckle on rails and posts.
- Specific Notes:**
- Post spacing shall be equidistant to a maximum of 2440mm o.c. unless noted otherwise on plans.

- Typical Fencing Notes:**
- Contractor to provide structurally approved detail shop drawings for fencing, gates and anchor plate attachments to Landscape Architect for approval prior to manufacturing.
  - All Dimensions are in mm unless noted.
  - All posts, gate posts, rails and hardware to be schedule 40 galvanized and powder-coated black.
  - All intermediate, top and bottom rails shall be saddle notched with a continuous weld to the vertical post.
  - All areas affected by cutting, welding, etc. shall be ground smooth and painted with two coats of black galvicon gloss zinc paint. Allow one (1) day drying between coats.
  - All ties to be 6 ga. black vinyl coated and located at every 2nd knuckle on rails and posts.
- Specific Notes:**
- Post spacing shall be equidistant to a maximum of 1500mm o.c. unless noted otherwise on layout and materials plan.
  - All fittings must be made of first grade malleable iron, pressed steel or aluminum powder coated and welded in place black powder coat finish.
  - Contractor to ensure proper coordination between fencing installation and retaining wall installation.
  - To be designed and fabricated as per BCBC 2024 Part 3 and 4 requirements for guardrails.
  - Guardrail system to have posts spaced @ 1.5m O.C. max. horizontal top guard and bottom guard, and meshed screen fencing, with base plate and post-installed anchors embedded into concrete. Fabricator shall design guardrail system and connections for all BCBC 2024 Part 3 guardrail point load and line load requirements. Finishes to be per project specifications.

- Tie Wire (6 ga.) tied on top rail every 2nd knuckle
- 48mm (2") O.D. Cross Brace
- 60mm (2") O.D. gate frame
- 6 gauge galvanized steel wire woven into 38mm x 38mm size mesh
- Heavy duty, self closing hinge (gravity) - Typ. Top and bottom for both gates. No spring-loaded hinges permitted. Contractor to provide shop drawing
- 100mm (4") O.D. end posts caps to be tack welded in place
- Tension bar (between each horizontal rail) to be in-line with tension band spacing.
- Lockable fence latch
- Tie Wire (6 ga.) tied on bottom rail every 2nd knuckle
- Tension Band
- Spring loaded Castor Wheel - Painted Black, TYP
- Lock Pin

- Bolts to be embedded min 150mm
- Fence and Guardrail post, diameter varies.
- Base plate

**Notes:**

- Contractor to provide structurally approved detail shop drawings for fencing, gates and anchor plate attachments to Landscape Architect for approval prior to manufacturing.

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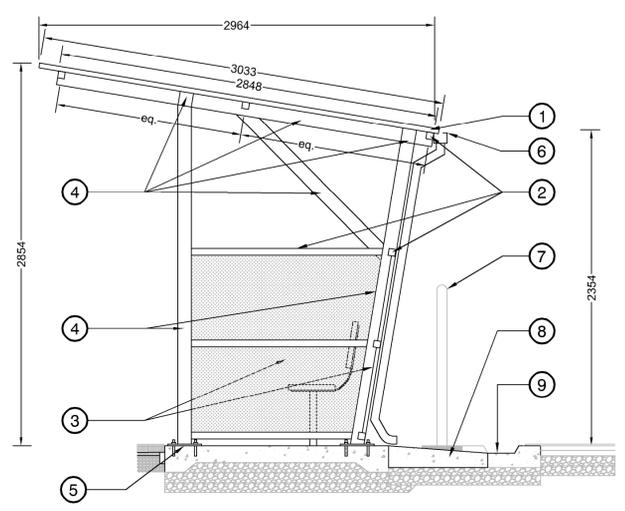
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**Project:**  
 BURKE MOUNTAIN ATHLETIC PARK

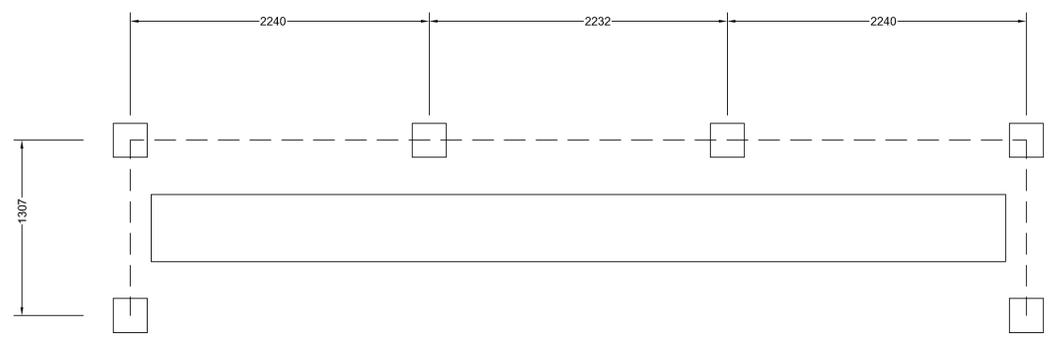
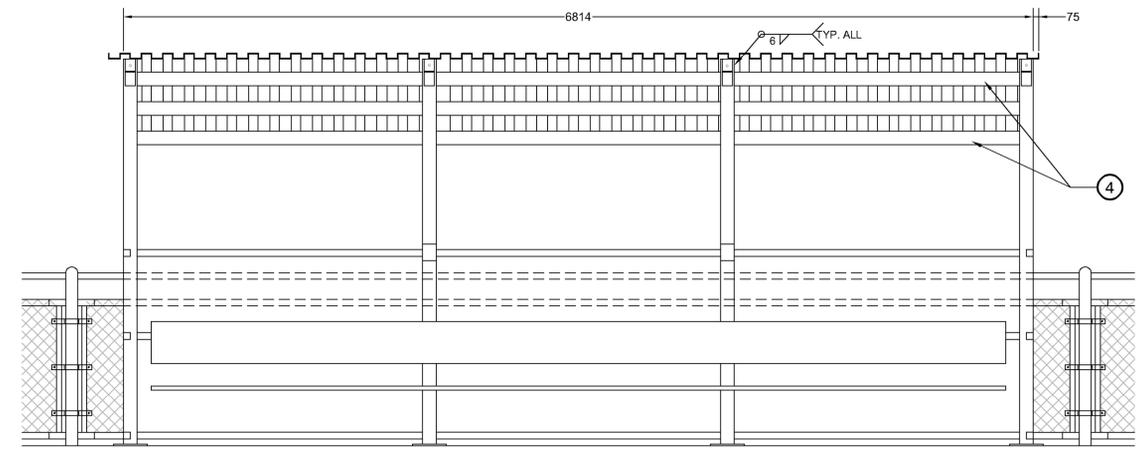
**Location:**  
 3390 & 3400 DAVID AVENUE,  
 COQUITLAM, B.C.

<b>Drawn:</b> BF	<b>Stamp:</b>
<b>Checked:</b> TM	
<b>Approved:</b> TM	
<b>Scale:</b> AS SHOWN	<b>Original Sheet Size:</b> 24"x36"

Drawing Title: **DETAILS**  
 Vdz Project #: **PR2023-04**  
 Drawing #: **LD-03**



- 1 Corrugated steel roofing. Flashing on all sides. Powder coated black.
  - 2 HSS 2X2X1/4
  - 3 1/4" perforated galvanized steel sheet welded in center on inside of frame. No perforations at edges. Powder coated black. Perforation pattern: 45 degree staggered, 1" centers. Perforation hole size: OD 1/4"
  - 4 HSS 4X4X1/4
  - 5 Base plate, PL 15.9x254x254, grade 300W steel, 4- 1/2"o x 6-1/2" A193 Gr. B7 HDG anchor rods, installed with HILTI-HIT-RE 500 V3 (5" min. embedment depth). Shim as needed to account for slope.
  - 6 Gutter
  - 7 1.2m Chainlink Fence, behind
  - 8 Drain Pipe to drain across runnel to track runnel at perimeter
  - 9 Track Runnel
- Note:  
 1. Assembly is powder coated black (RAL 9005) after fabrication.  
 2. Structurally approved shop drawings required for landscape architect's review.  
 3. 6mm weld all around at each HSS connection.

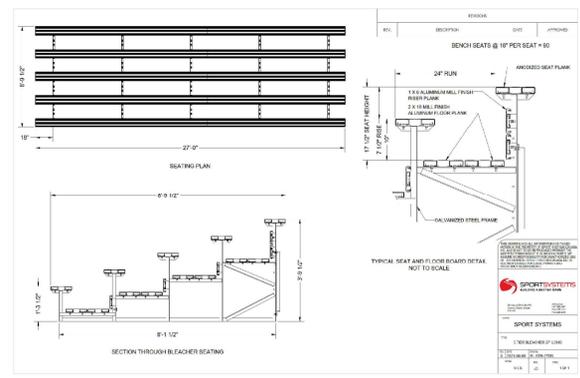


**1 PLAYERS SHELTER**  
 1:25



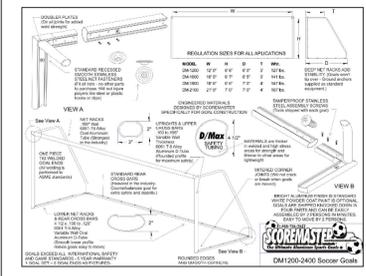
Product Name: OUTDOOR SCORING TABLES  
 Product Number: BL-TIMERTABLE-6  
 Size: 6'  
 Quantity: 1  
 Supplier: Sports Systems Canada  
 p. 877.600.4667  
 w. www.sportssystemscanada.com

Notes:  
 Install as per manufacturers specifications.

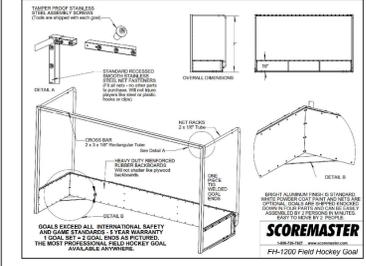


Product Name: 5-ROW OUTDOOR BLEACHERS  
 Product Number: BL-5TB-27DR  
 Size: 27'  
 Guardrail: Aluminum picket guardrail. Refer to product specifications from supplier.  
 Quantity: 2  
 Supplier: Sports Systems Canada  
 p. 877.600.4667  
 w. www.sportssystemscanada.com

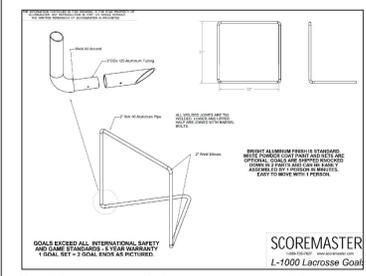
Notes:  
 1. Install as per manufacturers specifications.  
 2. Final location to be reviewed and approved by City and consultant on site.



FULL SIZE GOAL:  
 Product Number: SM-DM2400  
 Size: 8' X 24'  
 Quantity: 2  
 Net: Heavy Duty, 4mm, braided, 5" square mesh, white.  
 Anchor / Tether: YES  
 Wheels: YES, 4 wheels per goal  
 Powder Coat: White



FIELD HOCKEY GOAL:  
 Product Number: SM-FH1200  
 Quantity: 2  
 Net: HD-NET-FH12 Field Hockey net, 3mm, braided, black  
 Anchor / Tether: YES  
 Wheels: YES, SM-FH1200-WHEELS  
 Powder Coat: White



LACROSSE GOAL:  
 Product Number: SM-L1000  
 Quantity: 2  
 Net: SM-HD-NET-L10 Heavy Duty net, 3mm, braided, black, Orange  
 Powder Coat: Orange

Manufacturer: Score Master  
 Supplier: Habitat Systems  
 p. 1.866.422.4828  
 e. info@habitat-systems.com  
 Notes:  
 Install as per manufacturer's specifications.

No.	By:	Description	Date
12	TM	Issued for RFP	May 05, 2025
11	TM	Issued for 100%	March 25, 2025
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1	TM	Issued for Review	May 06, 2023

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No.	By:	Description	Date

**REVISIONS TABLE FOR SHEET**

No.	By:	Description	Date

Project:  
 BURKE MOUNTAIN ATHLETIC PARK  
 Location:  
 3390 & 3400 DAVID AVENUE,  
 COQUITLAM, B.C.

Drawn: BF	Stamp:
Checked: TM	
Approved: TM	
Scale: AS SHOWN	Original Sheet Size: 24"x36"

Location: Artificial Turf Field  
 Product Name: Permanent In-Ground Players Bench  
 Product Number: BL-IGB-21-BR  
 Size: 21'  
 Backrest: YES  
 Quantity: 2  
 Supplier: Sports Systems Canada  
 p. 877.600.4667  
 w. www.sportssystemscanada.com  
 Notes:  
 Install as per manufacturers specifications.

**2 SPORTS BENCHES**  
 1:10

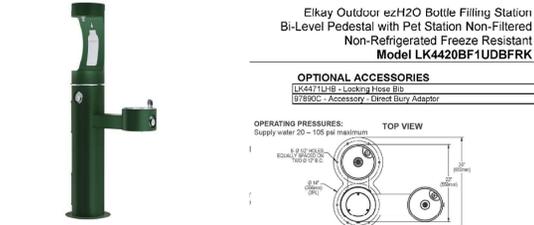
**3 SCORER'S TABLE**  
 1:10

**4 BLEACHERS**  
 1:10

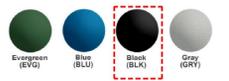
**5 SOCCER AND HOCKEY GOALS**  
 NTS

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Drawing Title: DETAILS  
 Drawing #: LD-04  
 VDZ Project #: PR2023-04



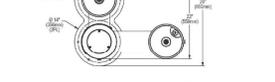
Elkay Outdoor ezH2O Bottle Filling Station  
Bi-Level Pedestal with Pet Station Non-Filtered  
Non-Refrigerated Freeze Resistant  
Model LK4420BF1UDBFRK



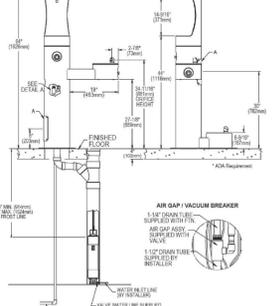
**OPTIONAL ACCESSORIES**

- LK44711139 - Locking Hose Bib
- U7800C - Accessory, Direct Bury Adapter

**OPERATING PRESSURE:**  
Supply water 20 - 100 psi maximum



**FRONT & SIDE VIEWS**



- Notes:
- Fountain to be freeze resistant.
  - Colour: Black
  - Locking hose bib and direct bury adaptor not required
  - Install as per manufacturer's specifications.
  - Manufacturer: Elkay  
w. www.elkay.com/us/en  
p. 1-800-476-4106
- Or approved equal.

**1 ELKAY BOTTLE FILLING STATION**  
1:10

**Wishbone site furnishings**



**FREEDOM 55**  
Model Number: HF-55 (All Metal Rodent Resistant)  
HF-55C (Recycled Plastic Sliding Rodent Resistant)  
HF-55HF1701 (All Metal Bear Resistant)  
HF-55C/HF1701 (Recycled Plastic Sliding Bear Resistant)

**PRODUCT SPECIFICATIONS**

- Recycled Plastic Boards
- 10 YEAR LIMITED WARRANTY
- Durable Powder Coated Galvanized Steel Frame
- Available colours: Walnut, Gunmetal, Black, Forest Green, Sea Green, Black
- 3 "Hands Free" Foot Pedal Mechanism
- Long Lasting Stainless-Steel Hardware
- Easy Access Front opening
- Keyless hidden door latch system
- Surface Mount

**CUSTOMIZED SOLUTIONS**

- Custom Powder Coating (Extra Charges May Apply)
- 24" x 30" Concrete Pad
- Bottle and Can Recycler
- Side Ashtray
- Banner Advertising on Side Panels
- All Metal Design HF-32
- Winter / Summer Modification Package
- Stainless steel bolt down kit

**PRODUCT DIMENSIONS**

- Total Height: 49 inches / 125 cm
- Total Depth: 28 inches / 72 cm
- Length: 29 inches / 74 cm
- Capacity: 55 US Gal / 209 L
- Weight: 337 lbs / 153 kg

**RECYCLED CONTENT**

- 21% RECYCLED CONTENT BY WEIGHT
- 100% RECYCLABLE

**DESIGNER NOTES**  
Like its smaller capacity cousin, the Freedom 55 Waste Receptacle is attractive enough to install in urban areas and functional enough for the remote wilderness. This model addresses the aesthetic and functional shortcomings of traditional animal resistant waste systems. The opening mechanism was redesigned from the standard "pedal" hand operated latch found on many animal resistant receptacles (which can be ergonomically difficult to use) to an innovative foot pedal. A curved back ensures winter runoff and a keyless hidden door latch makes it convenient for any maintenance person to enter, clean and move on. As with our other receptacles the rectangular 6" x 6" opening is designed to intentionally limit the size and type of garbage permitted.

This multi-functional unit also gives options depending on the season and the types of animals likely to pose a problem in any given area. There might not be bears in a certain locale or time of year - but that doesn't mean there aren't other opportunistic animals such as birds of all types, squirrels, and raccoons! A summer/winter conversion kit disables the foot pedal which can be under a foot of snow in some areas in the winter and allows for the installation of a handle instead. Available with recycled plastic side cladding in a range of colours, all metal sides, or an advertising insert capable side design (see Product Gallery). The Freedom 55 Animal Resistant Waste Receptacle has received official bear proof accreditation, certified by "Living With Wildlife Foundation".

**AVAILABLE RECYCLED PLASTIC LUMBER COLOURS**



100% Canadian Made  
Wishbone Ltd. provides an extended 10 year limited warranty from the date of install.  
Visit us online at www.wishboneltd.com  
Wishbone Site Furnishings | #210-2700 Gloucester Way | Langley, BC CANADA V4V 3Y5  
1.866.626.0476 sales@wishboneltd.com

Product Name: Freedom 55  
Product Number: HF-55C/HF1701 (Recycled Plastic Sliding Bear Resistant)  
Metal Colour: Black  
Plastic Lumber Colour: Walnut  
Mount: Surface Mount as per manufacturer's specifications

Manufacturer: Wishbone  
e. https://wishboneltd.com  
p. 866.626.0476

Notes:  
1. Contractor to provide 900mm x 900mm concrete pad per typical concrete detail.

**2 WASTE RECEPTACLE**  
1:10



**POSTS:**  
Product Name: Douglas® Premier™ XS Tennis Posts, 2-7/8" OD  
Product Number: 63034SS  
Color: Black  
Gears: Stainless Steel  
Height: 60" in length and sit 42" above court surface

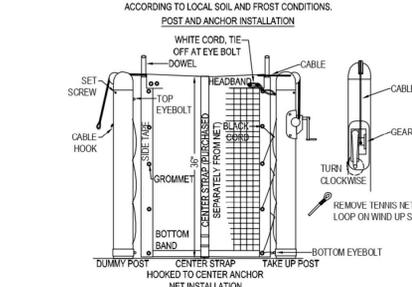
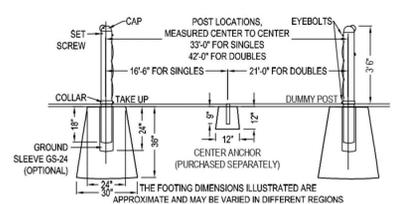
**SLEEVES:**  
Product Name: GS-24RD/AL Aluminum Ground Sleeves 24" Long for 2-7/8" OD Posts  
Product Number: 63171

**NET:**  
Product Name: Douglas® TM-28DN Tennis Net, 3.5mm Double Mesh Tapered  
Product Number: 30060  
Size: 42' x 42'

Quantity: 4  
Manufacturer: Douglas Sports  
Supplier: Sports Systems Canada  
p. 877.600.4667  
w. www.sportssystemscanada.com

Notes:  
Install as per manufacturer's specifications.

**3 TENNIS NETTING**  
NTS



- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - DO NOT SCALE DRAWING
  - THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
  - ALL INFORMATION CONTAINED HEREIN IS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
  - CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetail.com/Info AND ENTER REFERENCE NUMBER 2763-009.

**CONSTRUCTION NOTES:**

- The Tennis Court Net Post must be installed after the entire tennis court has been paved.
- The Asphalt paving shall be cut at the location of the net posts and the base and sub-base gravels shall be vacuumed out using a purpose-suited hydrovac truck.
- Net Posts shall be installed as per manufacturer's specifications.
- The top of the net posts concrete footing shall be set 'no higher' than the underside of the surrounding asphalt, such that a full depth asphalt patch can be placed over-top the concrete footing, once the concrete has cured.
- Once all the asphalt, including the net post patches, have cured the tennis court surfacing can be applied.

**4 TENNIS POST AND ANCHOR FOOTINGS**  
NTS

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No.	By:	Description	Date

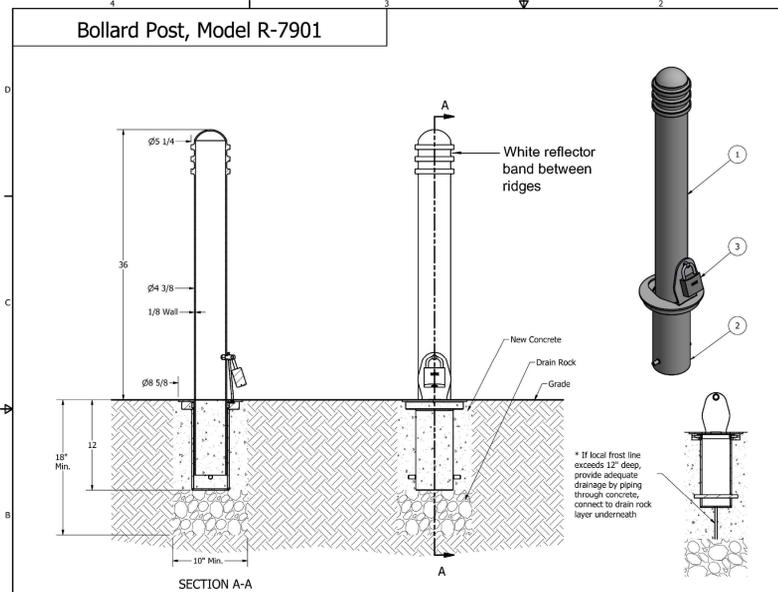
Project:  
BURKE MOUNTAIN ATHLETIC PARK

Location:  
3390 & 3400 DAVID AVENUE,  
COQUITLAM, B.C.

Drawn: BF	Stamp:
Checked: TM	
Approved: TM	
Scale: AS SHOWN	Original Sheet Size: 24"x36"

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Drawing Title: DETAILS  
VDZ Project #: PR2023-04  
Drawing #: LD-05



**Bollard Post, Model R-7901**  
SECTION A-A  
Removable Receiver with Lid  
(For important detail regarding installation with OPTIONAL bollard chain accessories, refer to sheet 7 of 7)

- Notes:
- Embedment details are for reference illustration only. Minimum foundation sizes depend on local soil conditions, weather conditions, and engineering requirements.
  - Bollard post is shown, with material detailed in legend below. Concrete, foundation and/or installation ordered separately or provided by others.
  - This drawing is not drawn to scale. Dimensions provided herein is for reference only. Please consult Reliance Foundry sales professionals if any dimension is critical to your particular installation.
  - Reliance Foundry reserves the right to amend design and specifications without prior notice for product improvement.
  - With white reflector bands.

**General Description:**  
Clearly communicate intended routes and access regulations on your streetscape with the model R-7901 steel bollard from Reliance Foundry. Composed of standard steel and finished with a durable powder-coating, it is an aesthetically versatile device that will complement the architecture of almost any site. The R-7901 can be installed with a standard fixed mounting or with a removable or fold down mounting that allow temporary access to maintenance, delivery or emergency vehicles. Seven powder coating color options are available and the model R-7901 is kept in stock, available for immediate shipment.

For more information on bollard post installation, please visit: www.reliance-foundry.com/bollards/installation-bollards

**Specifications:**

- Height: 30" (Above Grade)
- Base Diameter: 4 3/8"
- Weight: 33 lbs (Bollard Post Full Length)
- Material: Steel (ASTM A36)
- Finish Options:  
✓ Polyester Powdercoated  
See Reliance Foundry's standard color options at www.reliance-foundry.com/bollards/installation-bollards

**Mount Options:**

- ✓ Removable Receiver with Lid (see sheet 2 of 7)
- Removable Receiver with Chain (see sheet 3 of 7)
- Fixed Embedded Mount (see sheet 4 of 7)
- Flanged Surface Mount (see sheet 6 of 7)
- Fold Down Mount (see sheet 6 of 7)
- Optional Chain Accessory (see sheet 7 of 7)



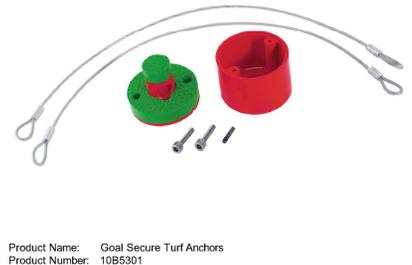
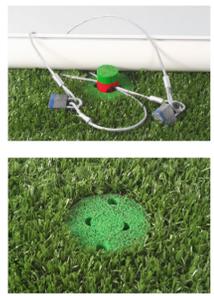
Unit 207, 6450 - 148 Street, Surrey, BC V3S 7G7, Canada  
7-888-735-5669 info@reliance-foundry.com  
www.reliance-foundry.com

**Bollard Post, Model R-7901**

ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL	WEIGHT
1	1	R7901	Removable Bollard	Steel Powder Coated	33 lbs
2	1	R7901R	Receiver	Galvanized Steel w/ 316 Stainless Steel Cover	24 lbs
3	1	Padlock (Optional)	Optional Padlock (Brass or Stainless Steel)	Choice of Brass or Stainless Steel	5/8 lbs

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**5 REMOVABLE BOLLARD**  
NTS



Product Name: Goal Secure Turf Anchors  
Product Number: 10B5301

Quantity: 4 anchors for 2 goals.  
Supplier: KWIK GOAL  
p. 1-800-531-4252  
w. info@kwikgoal.com

Notes:  
Install as per manufacturer's specifications.

**6 GOAL ANCHORS**  
1:10



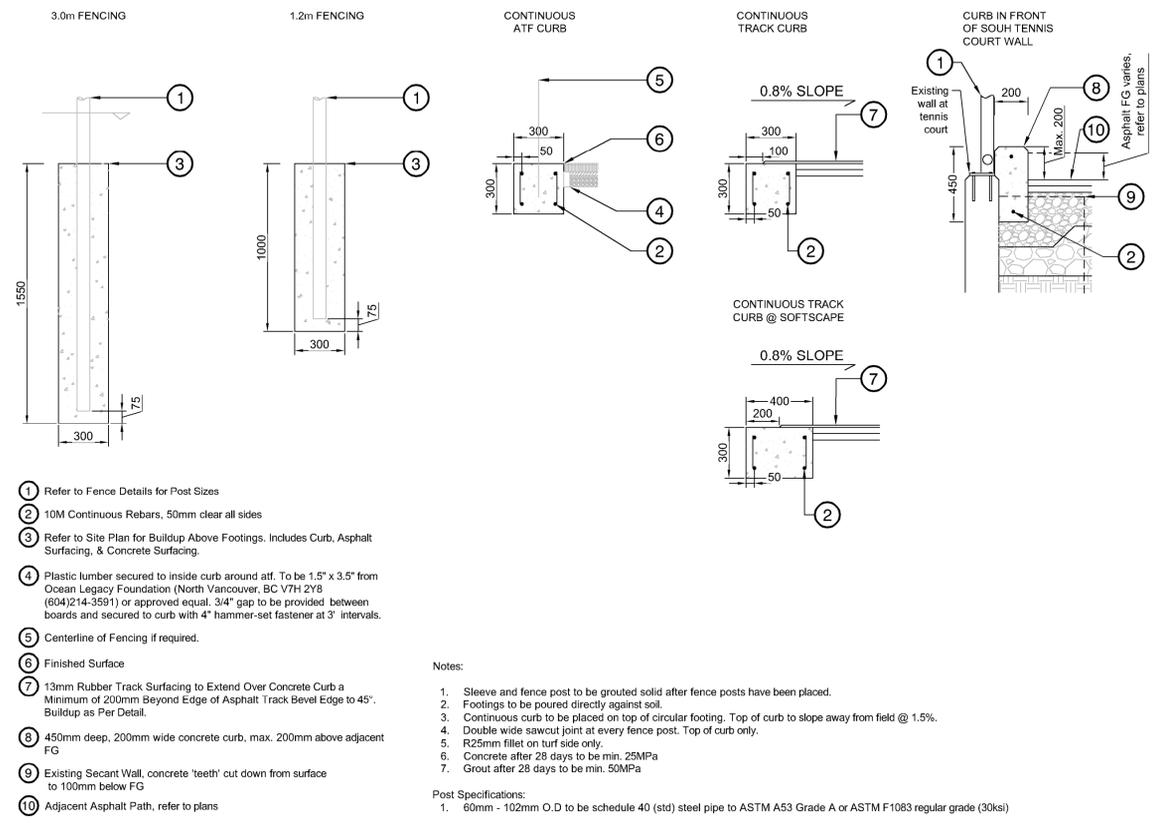
Model: TS-SCSC  
Product Name: Scrusher  
Mount: Surface mount

Supplier: Tomko Sports Systems  
p. (604) 273-0257  
w. tomkospports.com

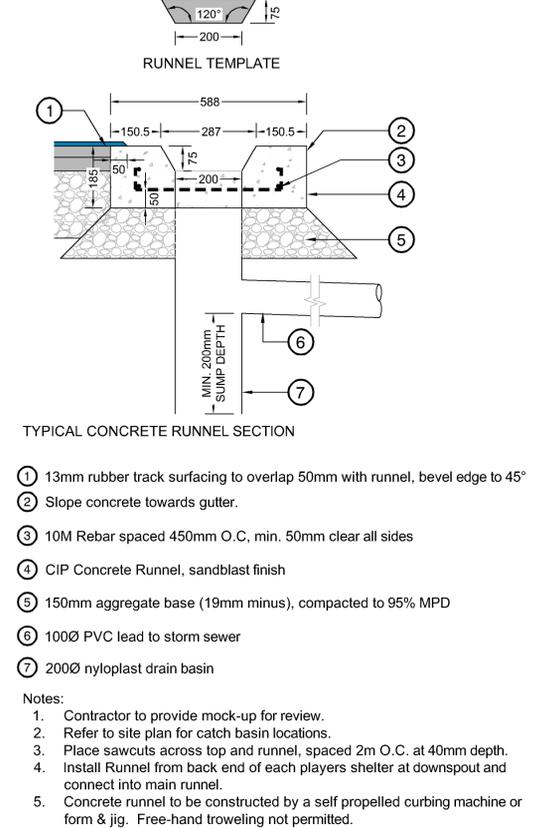
Notes:  
Install as per manufacturer's specifications.

**7 BOOT BRUSH STATION**  
NTS

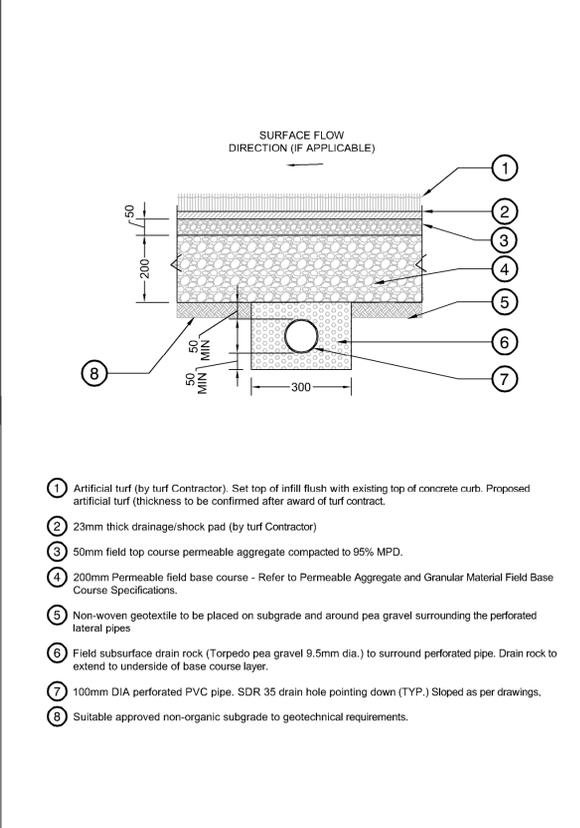
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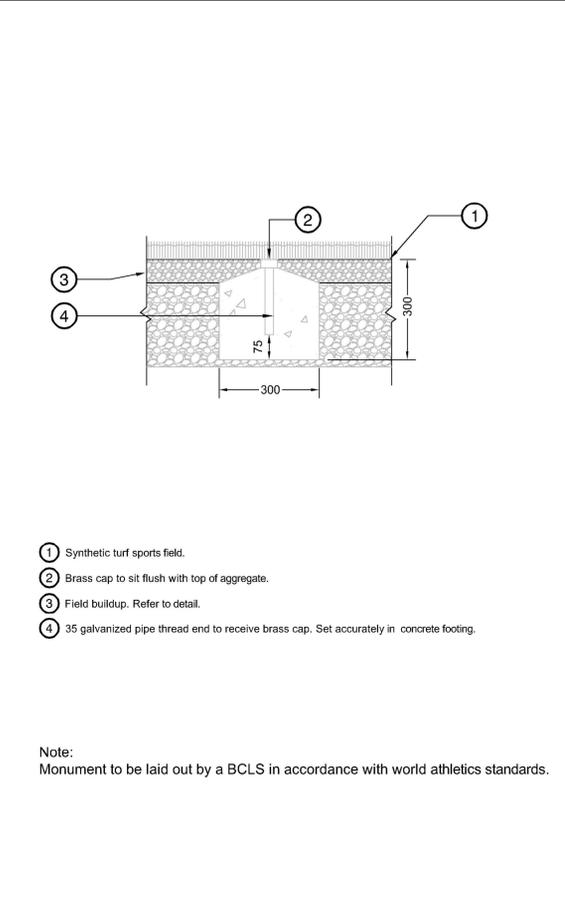
**1 FENCE FOOTINGS AND CURBS**  
 1:20



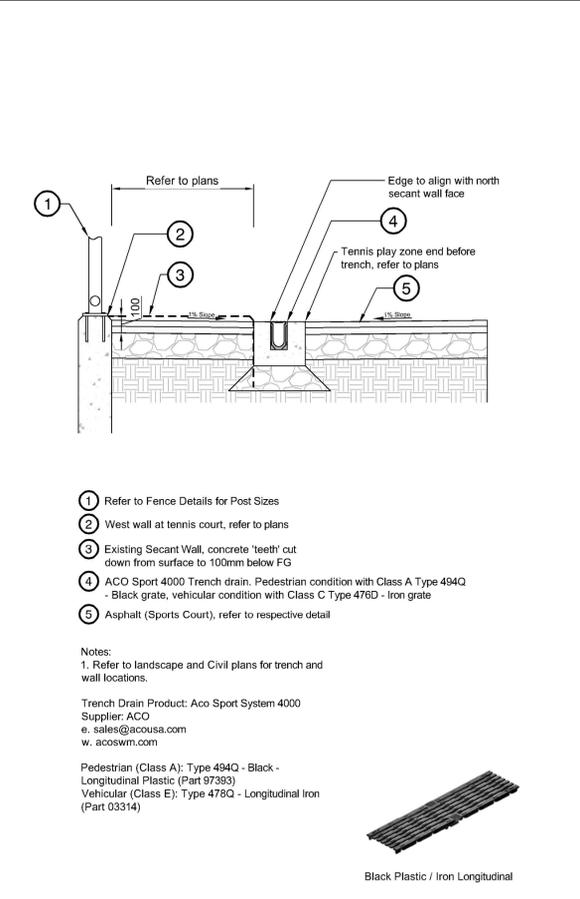
**2 CIP CONCRETE TRACK RUNNEL**  
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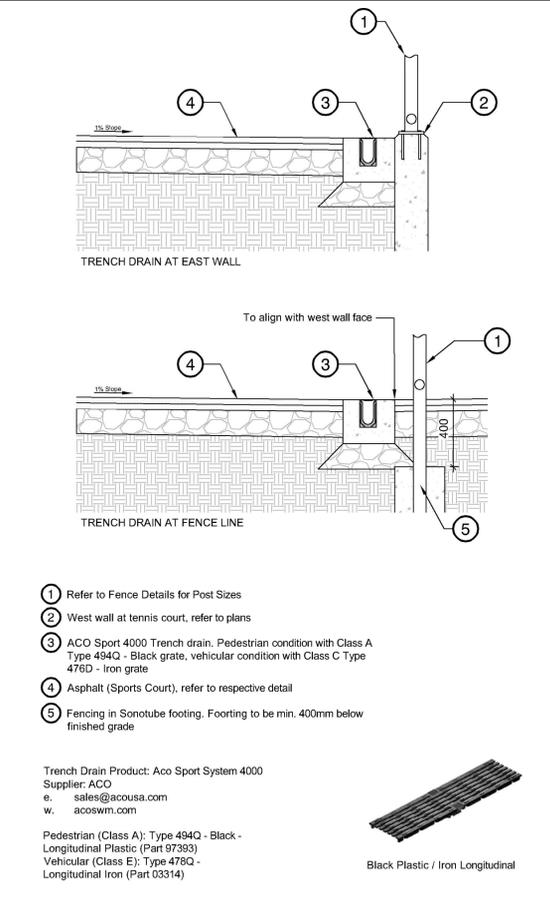
**3 ARTIFICIAL TURF**  
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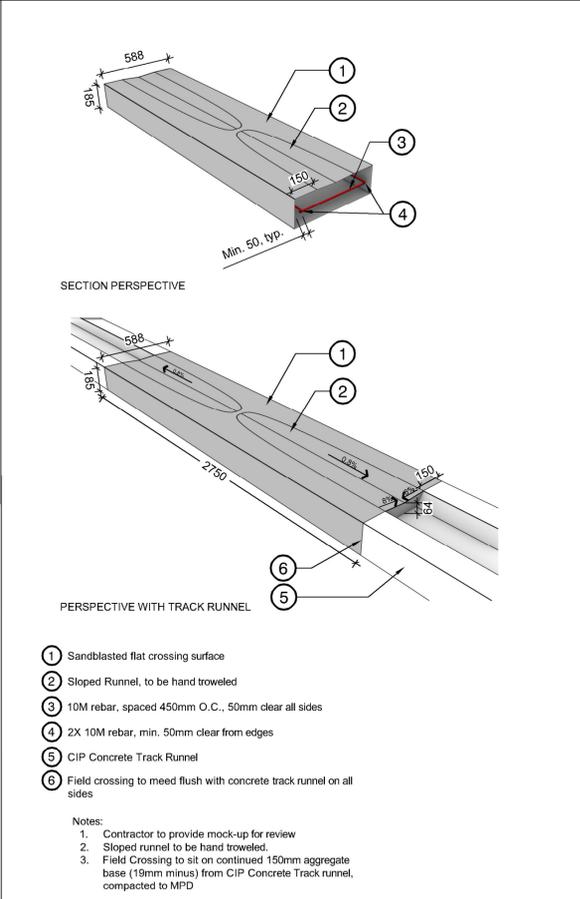
**4 MONUMENT**  
 1:10



**5 TENNIS COURT AT WEST WALL**  
 1:20



**6 TENNIS COURT DRAIN ALONG EAST EDGE**  
 1:20



**7 CIP CONCRETE FIELD ACCESS**  
 NTS

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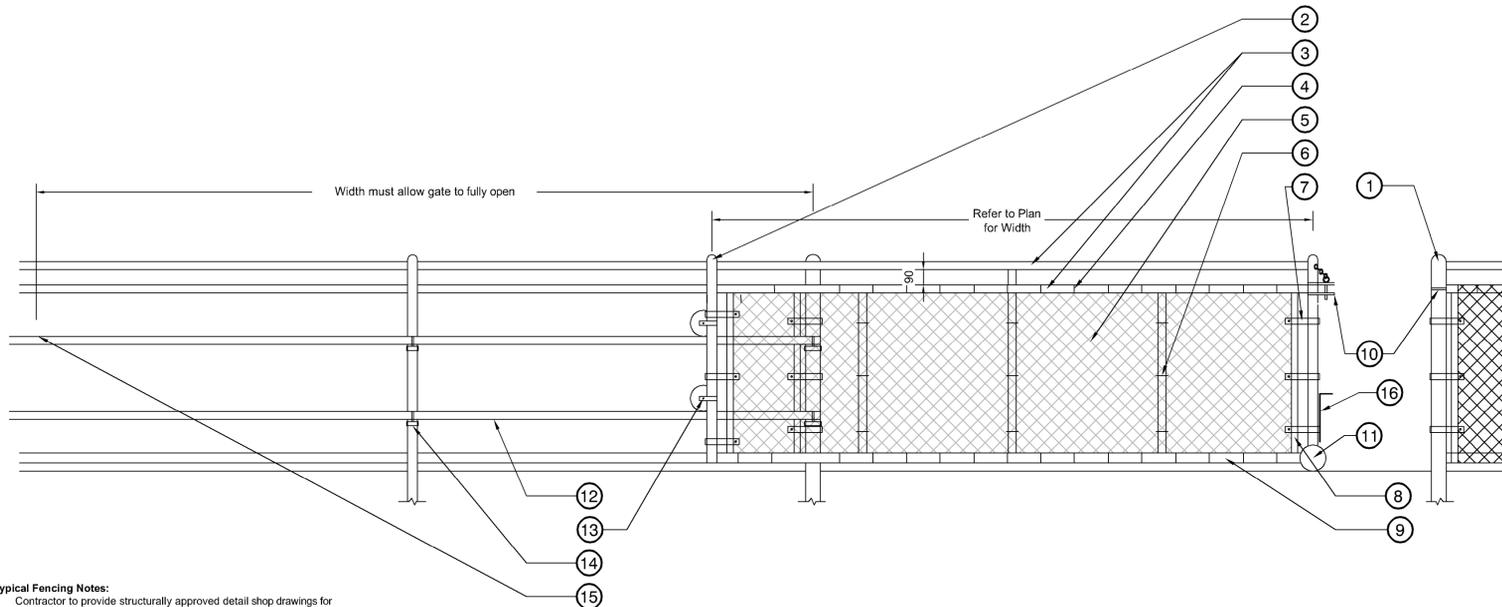
No.	By:	Description	Date

Project:  
 BURKE MOUNTAIN ATHLETIC PARK  
 Location:  
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Drawing Title: **DETAILS**  
 Drawing #: **PR2023-04**  
**LD-06**

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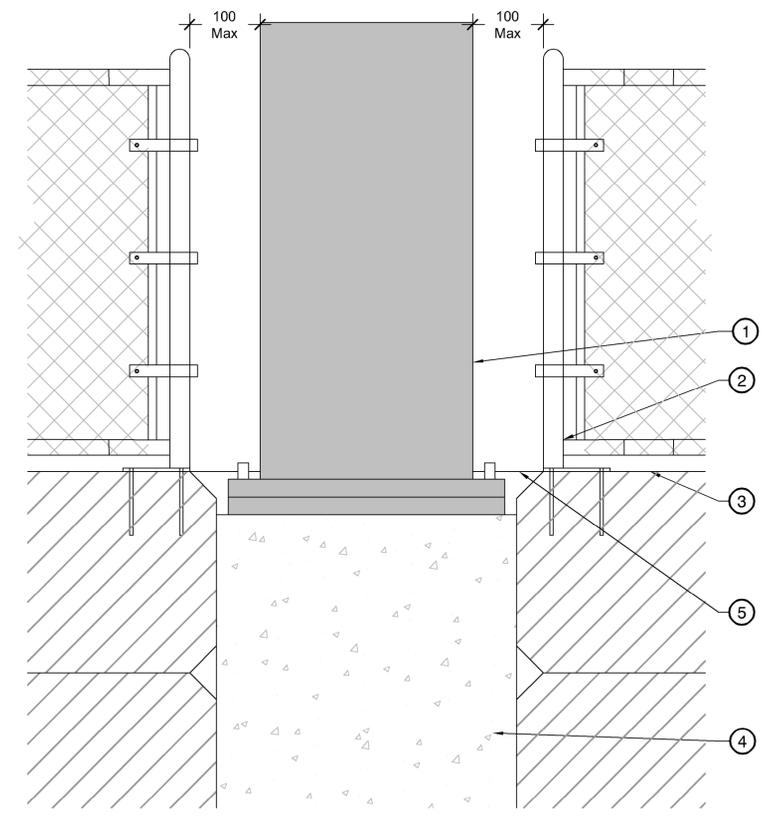


- Typical Fencing Notes:**
- Contractor to provide structurally approved detail shop drawings for fencing, gates and anchor plate attachments to Landscape Architect for approval prior to manufacturing.
  - All Dimensions are in mm unless noted.
  - All posts, gate posts, rails and hardware to be schedule 40 galvanized and powder-coated black.
  - All intermediate, top and bottom rails shall be saddle notched with a continuous weld to the vertical post.
  - All areas affected by cutting, welding, etc. shall be ground smooth and painted with two coats of black galvicon gloss zinc paint. Allow one (1) day drying between coats.
  - All mesh to be 6 ga. black vinyl coated with 38mm openings.
  - All ties to be 6 ga. black vinyl coated and located at every 2nd knuckle on rails and posts.
- Specific Notes:**
- Gate to be installed on the outside of the field and open as to not cause obstructions.

- 75mm O.D. Corner and end posts caps top be welded
- 60mm O.D. Line post with dome cap, tp.
- 48mm O.D. Top rail
- Vinyl coated galvanized steel tie wire (6 ga.) tied every 300mm along top rail. Ties required at every diamond along bottom rail
- 6 gauge 38mm diamond fabric, knuckled selvage, top and bottom
- 6 gauge ties every third knuckle everywhere
- 10x2mm bevelled edge tension bands wherever fabric ends
- Tension bar (between each horizontal rail) to be in-line with tension band spacing.
- 48mm O.D. Bottom rail
- Dowel type locking mechanism
- Wheel
- Gate rail
- Guide wheel
- Guide fastener
- Rubber stopper
- Drop pin with sleeve in curb to allow for holding in open and closed position.

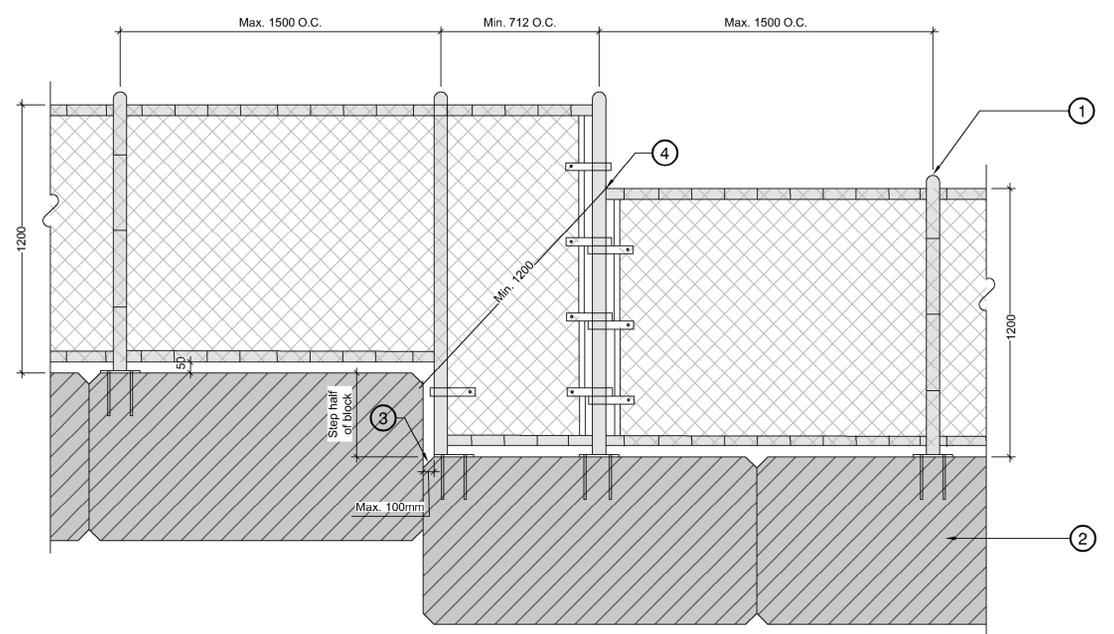
**1 1.2M SLIDING VEHICLE GATE**  
1:20

- Musco light post.
- Guardrail. Refer to detail.
- Lock block wall.
- Concrete post base.
- 1/2" galvanized steel plate attached to the face of lock blocks.



- Typical Fencing Notes:**
- Contractor to provide structurally approved detail shop drawings for fencing, gates and anchor plate attachments to Landscape Architect for approval prior to manufacturing.
  - All Dimensions are in mm unless noted.
  - All posts, gate posts, rails and hardware to be schedule 40 galvanized and powder-coated black.
  - All intermediate, top and bottom rails shall be saddle notched with a continuous weld to the vertical post.
  - All areas affected by cutting, welding, etc. shall be ground smooth and painted with two coats of black galvicon gloss zinc paint. Allow one (1) day drying between coats.
  - All mesh to be 6 ga. black vinyl coated with 38mm openings.
  - All ties to be 6 ga. black vinyl coated and located at every 2nd knuckle on rails and posts.
- Specific Notes:**
- Post spacing shall be equidistant to a maximum of 1500mm o.c. unless noted otherwise on layout and materials plan.
  - All fittings must be made of first grade malleable iron, pressed steel or aluminum powder coated and welded in place black powder coat finish.
  - Contractor to ensure proper coordination between fencing installation and retaining wall installation.
  - To be designed and fabricated as per BCBC 2024 Part 3 and 4 requirements for guardrails.
  - Guardrail system to have posts spaced @ 1.5m O.C. max, horizontal top guard and bottom guard, and meshed screen fencing, with base plate and post-installed anchors embedded into concrete. Fabricator shall design guardrail system and connections for all BCBC 2024 Part 3 guardrail point load and line load requirements. Finishes to be per project specifications.

**2 1.2M CHAIN LINK GUARDRAIL AT LIGHT POSTS**  
1:10



- Guardrail. Refer to detail
- Lock Block Unit
- 50mm typical chamfer on lock block. Fence post base plate to align with chamfer edge
- Corner of step in fence to be min. 1.2m from lock block edge as per BCBC

- Typical Fencing Notes:**
- Contractor to provide structurally approved detail shop drawings for fencing, gates and anchor plate attachments to Landscape Architect for approval prior to manufacturing.
  - All Dimensions are in mm unless noted.
  - All posts, gate posts, rails and hardware to be schedule 40 galvanized and powder-coated black.
  - All intermediate, top and bottom rails shall be saddle notched with a continuous weld to the vertical post.
  - All areas affected by cutting, welding, etc. shall be ground smooth and painted with two coats of black galvicon gloss zinc paint. Allow one (1) day drying between coats.
  - All mesh to be 6 ga. black vinyl coated with 38mm openings.
  - All ties to be 6 ga. black vinyl coated and located at every 2nd knuckle on rails and posts.

- Specific Notes:**
- Post spacing shall be equidistant to a maximum of 1500mm o.c. unless noted otherwise on layout and materials plan.
  - All fittings must be made of first grade malleable iron, pressed steel or aluminum powder coated and welded in place black powder coat finish.
  - Contractor to ensure proper coordination between fencing installation and retaining wall installation.
  - To be designed and fabricated as per BCBC 2024 Part 3 and 4 requirements for guardrails.
  - Guardrail system to have posts spaced @ 1.5m O.C. max, horizontal top guard and bottom guard, and meshed screen fencing, with base plate and post-installed anchors embedded into concrete. Fabricator shall design guardrail system and connections for all BCBC 2024 Part 3 guardrail point load and line load requirements. Finishes to be per project specifications.

**3 CHAIN LINK GUARDRAIL TRAVERSING STEPPED LOCK BLOCK WALL**  
1:15

No.	By:	Description	Date
12	TM	Issued for RFP	May 05, 2025
11	TM	Issued for 100%	March 25, 2025
10	TM	Issued for 100%	Jan 17, 2025
9	TM	Issued for 100% Draft	Dec 16, 2024
8	TM	Issued for 95% Review	Nov 28, 2024
7	TM	Issued for Costing	Jul 12, 2024
6	TM	Issued for 75% Coordination	Jul 05, 2024
5	TM	Issued for 75% Review	May 08, 2024
4	TM	Issued for 75% Review	May 03, 2024
3	TM	Re-Issued for 50%	Apr 03, 2024
2	TM	Issued for 50%	Mar 22, 2024
1	TM	Issued for Review	May 06, 2023

**REVISIONS TABLE FOR DRAWINGS**

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No.	By:	Description	Date

**REVISIONS TABLE FOR SHEET**

No.	By:	Description	Date

**Project:**  
BURKE MOUNTAIN ATHLETIC PARK

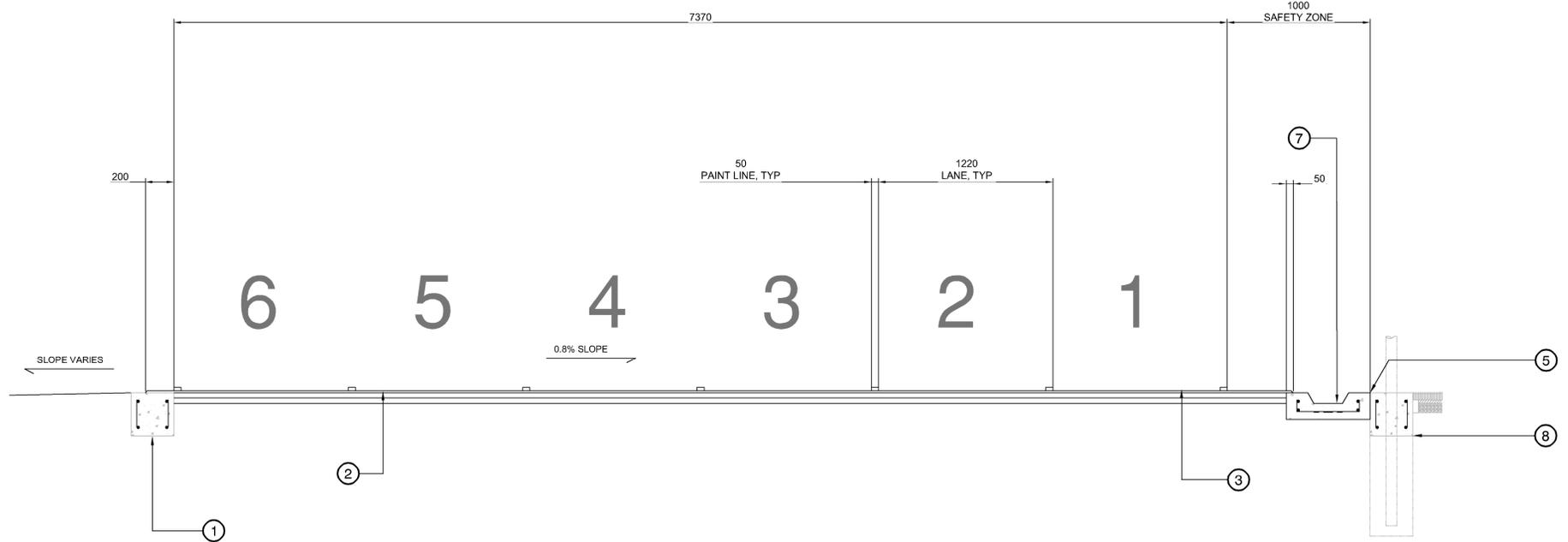
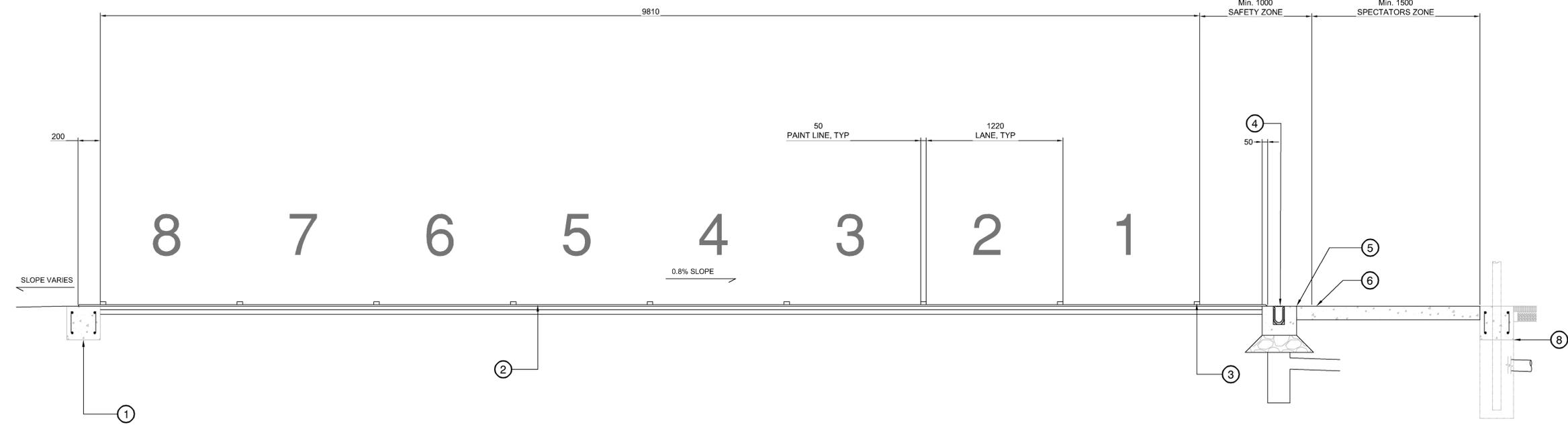
**Location:**  
3390 & 3400 DAVID AVENUE,  
COQUITLAM, B.C.

Drawn:	Stamp:
Checked: TM	
Approved: TM	
Scale: AS SHOWN	Original Sheet Size: 24"x36"

Drawing Title:  
**DETAILS**

VDZ Project #:  
**PR2023-04**

Drawing #:  
**LD-07**



- ① Track Outside Edge. Refer to Detail
- ② Track Surfacing. Refer to Detail
- ③ Removable Aluminum Track Curb. To Be Installed on Curved Sections Only
- ④ ACO Sport 4000 Trench drain
- ⑤ Expansion Joint between Runnel/Trench Drain and Curb
- ⑥ Concrete. Refer to Detail
- ⑦ Runnel System. Refer to Detail
- ⑧ Field Edge and Curb. Refer to Detail

Trench Drain Product: Aco Sport System 4000  
 Supplier: ACO  
 e. sales@acousa.com  
 w. acoswm.com

No.	By:	Description	Date
12	TM	Issued for RFP	May 05, 2025
11	TM	Issued for 100%	March 25, 2025
10	TM	Issued for 100%	Jan 17, 2025
9	TM	Issued for 100% Draft	Dec 16, 2024
8	TM	Issued for 95% Review	Nov 28, 2024
7	TM	Issued for Costing	Jul 12, 2024
6	TM	Issued for 75% Coordination	Jul 05, 2024
5	TM	Issued for 75% Review	May 08, 2024
4	TM	Issued for 75% Review	May 03, 2024
3	TM	Re-Issued for 50%	Apr 03, 2024
2	TM	Issued for 50%	Mar 22, 2024
1	TM	Issued for Review	May 06, 2023

**REVISIONS TABLE FOR DRAWINGS**

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No.	By:	Description	Date

**REVISIONS TABLE FOR SHEET**

Project:  
 BURKE MOUNTAIN ATHLETIC PARK  
 Location:  
 3390 & 3400 DAVID AVENUE,  
 COQUITLAM, B.C.

Drawn:	Stamp:
Checked:	
Approved:	
Scale: AS SHOWN	Original Sheet Size: 24"x36"

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Z:\PROJECTS\PARKS & RECREATION\ACTIVE\2023\PR2023-04 BURKE MOUNTAIN PARKS\DWGS\DETAILS\LD-06 DETAILS.DWG

**1 TRACK SECTIONS**  
 1:20

Drawing Title: **DETAILS**  
 Drawing #: **LD-08**  
 VDZ Project #: **PR2023-04**

### LEGEND

SYMBOL	DESCRIPTION
	IRRIGATION CONTROLLER - TORO SENTINEL DXI, 2-WIRE AC CONTROLLER CABINET TO BE A STAINLESS STEEL WALL MOUNT - INCLUDES A TORO MFC CELLAR KIT & ANTENNA MODEL NUMBER TO BE VERIFIED FROM TORO
	RAINBIRD 1806-SAM-PRS SERIES, 100mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 1812-SAM-PRS SERIES, 150mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 5004-SAM-PRS SERIES, 125mm MEDIUM POP-UP ROTOR with RAIN CURTAIN NOZZLES - Sized per Plans
	RAINBIRD PEB SERIES ECV with 24V. SOLENOID PRE-INSTALLED - Size per Plans
	RAINBIRD ROOT WATERING SYSTEM: RWS-B-C-1402 w/SOCK
	50mm BRASS DRAIN VALVE ASSEMBLY
	RAINBIRD 5RC SERIES 25mm QUICK COUPLER VALVE
	TOYO 206A R&W ISOLATION GATE VALVE, Size per Pipe
	75mm POINT OF CONNECTION - LOCATION per PLANS
	TWO-WIRE COPPER GROUNDING PLATE - FROM PAIGE ELEC #1822011C & TORO SURGE PROTECTION DEVICE: SB-BLA
	IRRIGATION TWO-WIRE PATHWAY - PAIGE ELEC, P7350D, RED OUTER SHEATHING - #14 GAUGE SINGLE PAIR CABLE SUPPLY & INSTALL A SINGLE CONDUCTOR SPARE WIRE, CSA APPROVED #14 TWU-40 FOR ENTIRE PATHWAY - BLUE
	50mm/75mm SCH40 CSA PVC MAINLINE PIPE - SW*
	25mm - 50mm CLASS 200 CSA PVC LATERAL PIPE - SW*
	SCH40 PVC SLEEVING - MIN. 100mm or 2 x TOTAL PIPE DIA.
	50mm DB2 PVC WIRE CONDUIT

\* NOTE: (SW) - SOLVENT WELD

NOTE: ALL CONSTRUCTION INSTALLATION DETAIL CALL-OUTS WILL REFER TO THE CITY OF COQUITLAM - PARK DEVELOPMENT STANDARD DRAWINGS AS PROVIDED - TYP.

NOTE: THE 75mm SCH40 PVC MAINLINE LAYOUT SHOWN HERE IS FOR SCHEMATIC PURPOSES. THE ACTUAL MAINLINE ROUTING WILL NEED TO BE DETERMINED ON SITE TO ACCOMMODATE THE CONCRETE WALL PLACEMENT. THE MAINLINE ROUTING MIGHT REQUIRE BORING THROUGH THE CONCRETE AND SLEEVING AS REQUIRED TO PROTECT THE PIPING. THIS WORK WILL NEED TO BE VERIFIED BY THE CONTRACT ADMINISTRATOR AND CO-ORDINATE WITH THE GENERAL CONTRACTOR ON SITE. TYP.

NOTE: IRRIGATION IN THIS AREA WILL NEED TO BE INSTALLED POST LANDSCAPE INSTALLATION OF SOD & TREES. THIS IS TO BE CO-ORDINATED WITH THE SCHOOL DISTRICT.



### PIPE SIZING CHART

SPRINKLER	# OF SPK's	PIPE SIZE
RAINBIRD 1806/12-SAM-PRS	1-12	25mm
RAINBIRD 1806/12-SAM-PRS	13-25	38mm
RAINBIRD 1806/12-SAM-PRS	26-40	50mm
RAINBIRD 5004-SAM-PRS-PC	1-5	25mm
RAINBIRD 5004-SAM-PRS-PC	6-12	38mm
RAINBIRD 5004-SAM-PRS-PC	13-20	50mm
RAINBIRD 5004-SAM-PRS-FC	2	25mm
RAINBIRD 5004-SAM-PRS-FC	3-6	38mm
RAINBIRD 5004-SAM-PRS-FC	7-9	50mm

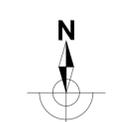
### NOZZLE CHART

SPRINKLER	NOZZLE SIZE
RAINBIRD 1806/12-SAM-PRS	MPR - Per Plans
RAINBIRD 5004-SAM-PRS QUARTER CIRCLE	1.5 US GPM
RAINBIRD 5004-SAM-PRS HALF CIRCLE	3.0 US GPM
RAINBIRD 5004-SAM-PRS THREE-QUARTER CIRCLE	4.5 US GPM
RAINBIRD 5004-SAM-PRS FULL CIRCLE	6.0 US GPM



**VDZ+A**  
 LANDSCAPE ARCHITECTURE | CIVIL ENGINEERING | URBAN FORESTRY  
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 Fort Langley, BC | Vancouver, BC  
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 www.vdz.ca | 604-882-0024

FOR FP

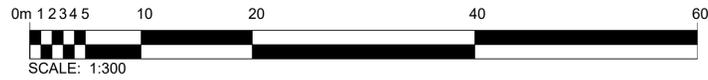


No.	By:	Description	Date
4	DEP	Issued for FP	May 05, 2025
3	DEP	100% Design	March 24, 2025
2	DEP	Issued for Final 100% Design	Jan. 17, 2025
1	DEP	Issued for 100% Draft Review	Dec. 16, 2024

No.	By:	Description	Date
2	DEP	Updated Base Plan & Charts	May 05, 2025
1	DEP	Updated Tree Layout	March 19, 2025

Drawn:	Stamp:
D.E.P.	
Checked:	
TM	
Approved:	Original Sheet Size:
TM	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/DPP/PA/HABP DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.
1:500	

Drawing Title: **BURKE MOUNTAIN PARK IRRIGATION SYSTEM DESIGN - OVERALL SITE**  
 VZD Project #: **PR2023-04**  
 Drawing #: **IR-01**



NOTE: ALL CONSTRUCTION INSTALLATION DETAIL CALL-OUTS WILL REFER TO THE CITY OF COQUITLAM - PARK DEVELOPMENT STANDARD DRAWINGS AS PROVIDED - TYP.

WITH THE SCHOOL DISTRICT.

NOTE: THE 75mm SCH40 PVC MAINLINE LAYOUT SHOWN HERE IS FOR SCHEMATIC PURPOSES. THE ACTUAL MAINLINE ROUTING WILL NEED TO BE DETERMINED ON SITE TO ACCOMMODATE THE CONCRETE WALL PLACEMENT. THE MAINLINE ROUTING MIGHT REQUIRE BORING THROUGH THE CONCRETE AND SLEEVING AS REQUIRED TO PROTECT THE PIPING. THIS WORK WILL NEED TO BE VERIFIED BY THE CITY AND CO-ORDINATE WITH THE GENERAL CONTRACTOR ON SITE. TYP.

19mm INLET ROTOR HEAD ASSEMBLY REFER TO CITY DETAIL #10 - PAGE IR-07 - TYP.

NOTE: IRRIGATION IN THIS AREA WILL NEED TO BE INSTALLED POST LANDSCAPE INSTALLATION OF SOD & TREES. THIS IS TO BE CO-ORDINATED WITH THE SCHOOL DISTRICT.

ELECTRIC CONTROL VALVE ASSEMBLY - 25mm REFER TO CITY DETAIL #6 - PAGE IR-06 - TYP.

50mm MAINLINE DRAIN VALVE ASSEMBLY REFER TO CITY DETAIL #18 - PAGE IR-08 - TYP.

FIXED POP-UP SPRAY HEAD - 300mm REFER TO CITY DETAIL #9 - PAGE IR-07 - TYP.

DAVID AVE.

FIXED POP-UP SPRAY HEAD - 100mm REFER TO CITY DETAIL #8 - PAGE IR-07 - TYP.

ELECTRIC CONTROL VALVE ASSEMBLY - 38mm REFER TO CITY DETAIL #7 & #16 - PAGES IR-07 & IR-08 - TYP.

LEGEND

SYMBOL	DESCRIPTION
	IRRIGATION CONTROLLER - TORO SENTINEL DXI, 2-WIRE AC CONTROLLER CABINET TO BE A STAINLESS STEEL WALL MOUNT - INCLUDES A TORO M80 CELLULAR KIT & ANTENNA MODEL NUMBER TO BE VERIFIED FROM TORO
	RAINBIRD 1806-SAM-PRS SERIES, 100mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 1812-SAM-PRS SERIES, 150mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 5004-SAM-PRS SERIES, 125mm MEDIUM POP-UP ROTOR with RAIN CURTAIN NOZZLES - Sized per Plans
	RAINBIRD PEB SERIES ECV with 24V, SOLENOID PRE-INSTALLED - Size per Plans
	RAINBIRD ROOT WATERING SYSTEM: RWS-B-C-1402 w/SOCK
	50mm BRASS DRAIN VALVE ASSEMBLY
	RAINBIRD 5RC SERIES 25mm QUICK COUPLER VALVE
	TOYO 206A R&W ISOLATION GATE VALVE, Size per Pipe
	75mm POINT OF CONNECTION - LOCATION per PLANS
	TWO-WIRE COPPER GROUNDING PLATE - FROM PAIGE ELEC #1822011C & TORO SURGE PROTECTION DEVICE: SB-BLA
	IRRIGATION TWO-WIRE PATHWAY - PAIGE ELEC. P7350D, RED OUTER SHEATHING - #14 GAUGE SINGLE PAIR CABLE SUPPLY & INSTALL A SINGLE CONDUCTOR SPARE WIRE, CSA APPROVED #14 TWU-40 FOR ENTIRE PATHWAY - BLUE
	50mm/75mm SCH40 CSA PVC MAINLINE PIPE - SW*
	25mm - 50mm CLASS 200 CSA PVC LATERAL PIPE - SW*
	SCH40 PVC SLEEVING - MIN. 100mm or 2 x TOTAL PIPE DIA.
	50mm DB2 PVC WIRE CONDUIT

\*NOTE: (SW) - SOLVENT WELD

NOZZLE CHART

SPRINKLER	NOZZLE SIZE
RAINBIRD 1806/12-SAM-PRS	MPR - Per Plans
RAINBIRD 5004-SAM-PRS QUARTER CIRCLE	1.5 US GPM
RAINBIRD 5004-SAM-PRS HALF CIRCLE	3.0 US GPM
RAINBIRD 5004-SAM-PRS THREE-QUARTER CIRCLE	4.5 US GPM
RAINBIRD 5004-SAM-PRS FULL CIRCLE	6.0 US GPM

PIPE SIZING CHART

SPRINKLER	# OF SPK's	PIPE SIZE
RAINBIRD 1806/12-SAM-PRS	1-12	25mm
RAINBIRD 1806/12-SAM-PRS	13-25	38mm
RAINBIRD 1806/12-SAM-PRS	26-40	50mm
RAINBIRD 5004-SAM-PRS-PC	1-5	25mm
RAINBIRD 5004-SAM-PRS-PC	6-12	38mm
RAINBIRD 5004-SAM-PRS-PC	13-20	50mm
RAINBIRD 5004-SAM-PRS-FC	2	25mm
RAINBIRD 5004-SAM-PRS-FC	3-6	38mm
RAINBIRD 5004-SAM-PRS-FC	7-9	50mm

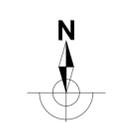
RAINBIRD ROOT WATERING SYSTEM (DOUBLE) REFER TO CITY DETAIL #11 - PAGE IR-07 - TYP.

75mm POINT OF CONNECTION ASSEMBLY REFER TO CITY DETAIL #17 - PAGE IR-08 - TYP.

BRASS ISOLATION GATE VALVE ASSEMBLY REFER TO CITY DETAIL #4 - PAGE IR-06 - TYP.

TWO-WIRE SYSTEM GROUNDING REFER TO CITY DETAIL #13 - PAGE IR-08 - TYP.

FOR FP



No.	By:	Description	Date
7	DEP	Issued for FP	May 05, 2024
6	DEP	100% Design	March 24, 2025
5	DEP	Issued for Final 100% Design	Jan. 17, 2025
4	DEP	Re-issue for 100% Draft Review	Dec. 16, 2024
3	DEP	Issued for 100% Draft Review	Dec. 16, 2024
2	DEP	Re-issued for 95% Review	Nov. 30, 2024
1	DEP	Issued for 95% Review	Nov. 28, 2024

REVISIONS TABLE FOR DRAWINGS

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No.	By:	Description	Date
5	DEP	Updated Base Plan & Charts	May 05, 2025
4	DEP	Add Zones #41-#48, NE Section	Jan. 17, 2025
3	DEP	Revised Zone Numbers	Dec. 16, 2024

REVISIONS TABLE FOR SHEET

Project:  
BURKE MOUNTAIN PARK

Location:  
3390 & 3400 DAVID AVENUE.  
COQUITLAM, BC

Drawn:	Stamp:
D.E.P.	
Checked:	
TM	
Approved:	Original Sheet Size:
TM	24"x36"

Scale:  
1:300

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/DPP/PA/HBP DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

MATCHLINE - IR-04

MATCHLINE - IR-03

Drawing Title:  
**BURKE MOUNTAIN PARK  
IRRIGATION SYSTEM DESIGN**

VDZ Project #:  
**PR2023-04**

Drawing #:  
**IR-02**

FOR RFP



No.	By:	Description	Date
7	DEP	Issued for RFP	May 05, 2024
6	DEP	100% Design	March 24, 2025
5	DEP	Issued for Final 100% Design	Jan. 17, 2025
4	DEP	Re-issue for 100% Draft Review	Dec. 16, 2024
3	DEP	Issued for 100% Draft Review	Dec. 16, 2024
2	DEP	Re-issued for 95% Review	Nov. 30, 2024
1	DEP	Issued for 95% Review	Nov. 28, 2024

REVISIONS TABLE FOR SHEET

Project:  
**BURKE MOUNTAIN PARK**  
 Location:  
 3390 & 3400 DAVID AVENUE.  
 COQUITLAM, BC

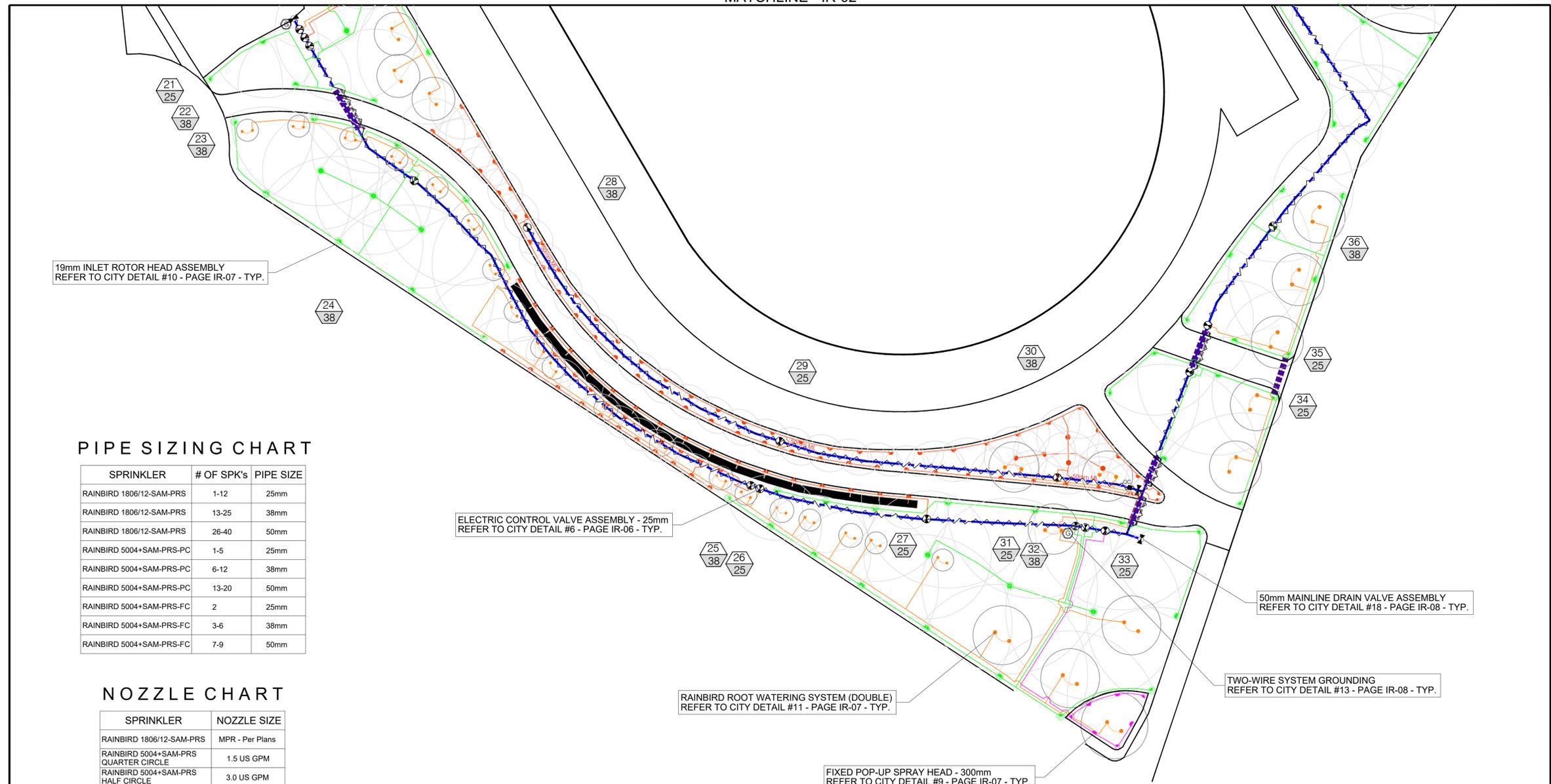
Drawn: D.E.P.	Stamp: 
Checked: TM	
Approved: TM	Original Sheet Size: 24"x36"

Scale:  
 1:300  
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Drawing Title:  
**BURKE MOUNTAIN PARK  
 IRRIGATION SYSTEM DESIGN**

VZD Project #:  
**PR2023-04**

Drawing #:  
**IR-03**



19mm INLET ROTOR HEAD ASSEMBLY  
 REFER TO CITY DETAIL #10 - PAGE IR-07 - TYP.

ELECTRIC CONTROL VALVE ASSEMBLY - 25mm  
 REFER TO CITY DETAIL #6 - PAGE IR-06 - TYP.

50mm MAINLINE DRAIN VALVE ASSEMBLY  
 REFER TO CITY DETAIL #18 - PAGE IR-08 - TYP.

TWO-WIRE SYSTEM GROUNDING  
 REFER TO CITY DETAIL #13 - PAGE IR-08 - TYP.

RAINBIRD ROOT WATERING SYSTEM (DOUBLE)  
 REFER TO CITY DETAIL #11 - PAGE IR-07 - TYP.

FIXED POP-UP SPRAY HEAD - 300mm  
 REFER TO CITY DETAIL #9 - PAGE IR-07 - TYP.

**PIPE SIZING CHART**

SPRINKLER	# OF SPK's	PIPE SIZE
RAINBIRD 1806/12-SAM-PRS	1-12	25mm
RAINBIRD 1806/12-SAM-PRS	13-25	38mm
RAINBIRD 1806/12-SAM-PRS	26-40	50mm
RAINBIRD 5004+SAM-PRS-PC	1-5	25mm
RAINBIRD 5004+SAM-PRS-PC	6-12	38mm
RAINBIRD 5004+SAM-PRS-PC	13-20	50mm
RAINBIRD 5004+SAM-PRS-FC	2	25mm
RAINBIRD 5004+SAM-PRS-FC	3-6	38mm
RAINBIRD 5004+SAM-PRS-FC	7-9	50mm

**NOZZLE CHART**

SPRINKLER	NOZZLE SIZE
RAINBIRD 1806/12-SAM-PRS	MPR - Per Plans
RAINBIRD 5004+SAM-PRS QUARTER CIRCLE	1.5 US GPM
RAINBIRD 5004+SAM-PRS HALF CIRCLE	3.0 US GPM
RAINBIRD 5004+SAM-PRS THREE-QUARTER CIRCLE	4.5 US GPM
RAINBIRD 5004+SAM-PRS FULL CIRCLE	6.0 US GPM

**LEGEND**

SYMBOL	DESCRIPTION
	IRRIGATION CONTROLLER - TORO SENTINEL DX; 2-WIRE AC CONTROLLER CABINET TO BE A STAINLESS STEEL WALL MOUNT - INCLUDES A TORO M&C CELLULAR KIT & ANTENNA MODEL NUMBER TO BE VERIFIED FROM TORO
	RAINBIRD 1806-SAM-PRS SERIES, 100mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 1812-SAM-PRS SERIES, 150mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 5004+SAM-PRS SERIES, 125mm MEDIUM POP-UP ROTOR with RAIN CURTAIN NOZZLES - Sized per Plans
	RAINBIRD PEB SERIES ECV with 24V. SOLENOID PRE-INSTALLED - Size per Plans
	RAINBIRD ROOT WATERING SYSTEM; RWS-B-C-1402 w/SOCK
	50mm BRASS DRAIN VALVE ASSEMBLY
	RAINBIRD 5RC SERIES 25mm QUICK COUPLER VALVE
	TOYO 206A R&W ISOLATION GATE VALVE, Size per Pipe
	75mm POINT OF CONNECTION - LOCATION per PLANS
	TWO-WIRE COPPER GROUNDING PLATE - FROM PAIGE ELEC #1222011C & TORO SURGE PROTECTION DEVICE, SB-BLA
	IRRIGATION TWO-WIRE PATHWAY - PAIGE ELEC, P7350D RED OUTER SHEATHING - #14 GAUGE SINGLE PAIR CABLE SUPPLY & INSTALL A SINGLE CONDUCTOR SPARE WIRE, CSA APPROVED #14 TWU-40 FOR ENTIRE PATHWAY - BLUE
	50mm/75mm SCH40 CSA PVC MAINLINE PIPE - SW*
	25mm - 50mm CLASS 200 CSA PVC LATERAL PIPE - SW*
	SCH40 PVC SLEEVING - MIN. 100mm or 2 x TOTAL PIPE DIA.
	50mm DB2 PVC WIRE CONDUIT

NOTE: ALL CONSTRUCTION INSTALLATION DETAIL CALL-OUTS WILL REFER TO THE CITY OF COQUITLAM - PARK DEVELOPMENT STANDARD DRAWINGS AS PROVIDED - TYP.



\* NOTE: (SW) - SOLVENT WELD

### Toro 2-Wire Decoder System Specifications

- ALL COMMUNICATION CABLE SPLICES MUST ALWAYS FOLLOW THE FACTORY COLOR CODE, (BLACK TO BLACK, WHITE TO WHITE).
- ALL ELECTRIC CONTROL VALVES (ECV'S) MUST BE EQUIPPED WITH 24 VOLT AC SOLENOIDS.
- ALL DECODER TO SOLENOID WIRES MUST BE CONNECTED WITH THE CORRECT ORDER TO PROPERLY OPERATE THE SOLENOID.
- THE TORO AC 2-WIRE FIELD DECODERS RED & BLACK OUTPUT WIRES MUST BE CONNECTED ONLY TO THE 2-WIRE PATHWAY (BLK & WHITE CONDUCTORS).
- THE TORO AC 2-WIRE FIELD DECODERS COLORED OUTPUT WIRES MUST BE CONNECTED ONLY TO THE 24V SOLENOID LEADS.
- IF ADDITIONAL STATION OUTPUT WIRES ARE NOT BEING USED, INSTALL A WIRE NUT ON EACH END AND PLACE IN A DBY/R WATER PROOF CONNECTOR.
- ALL COMMUNICATION CABLE SPLICES ARE TO BE WATERPROOF USING A 3M DBY/R SPLICE KIT.
- ALL TORO AC 2-WIRE DECODER SYSTEMS MUST BE PROPERLY GROUNDED TO PROTECT FROM POWER & LIGHTNING SURGES.
- THE 2-WIRE COMMUNICATION CABLE MUST BE GROUNDED NO FURTHER THAN 300m FROM ANY DECODER.
- THE SURGE PROTECTION DEVICE (TORO SB-BLA) MUST BE GROUNDED TO A COPPER GROUNDING PLATE. (100mm x 300mm)
- DO NOT LOOP OR JOIN TOGETHER THE 2-WIRE DECODER PATHWAYS BACK TO THE CONTROLLER CIRCUIT BOARD.
- ALL 2-WIRE PATHWAYS FROM THE CONTROLLER CIRCUIT BOARD ARE TO END AT A DECODER INSTALLED IN A VALVE BOX.
- ABSOLUTELY ALL WIRE SPLICES MUST BE JOINED TOGETHER WITH THE USE OF AN APPROVED WIRE SPLICE KIT (3M DBY/R).
- ALL COMMUNICATION CABLE TO BE CONSISTENT TYPE/SIZE THROUGHOUT PROJECT. (PAIGE WIRE, P7350D, AWG/2C, #14 GAUGE, PE UL).
- THE ENTIRE TORO AC 2-WIRE CONTROL SYSTEM MUST BE INSTALLED ACCORDING TO THE TORO COMPANY FACTORY SPECIFICATIONS.
- FOR ADDITIONAL INFORMATION ON THE INSTALLATION OF THIS TORO AC 2-WIRE DECODER SYSTEM PLEASE REFER TO: [www.toro.com](http://www.toro.com)

### PIPE SIZING CHART

SPRINKLER	# OF SPK's	PIPE SIZE
RAINBIRD 1806/12-SAM-PRS	1-12	25mm
RAINBIRD 1806/12-SAM-PRS	13-25	38mm
RAINBIRD 1806/12-SAM-PRS	26-40	50mm
RAINBIRD 5004+SAM-PRS-PC	1-5	25mm
RAINBIRD 5004+SAM-PRS-PC	6-12	38mm
RAINBIRD 5004+SAM-PRS-PC	13-20	50mm
RAINBIRD 5004+SAM-PRS-FC	2	25mm
RAINBIRD 5004+SAM-PRS-FC	3-6	38mm
RAINBIRD 5004+SAM-PRS-FC	7-9	50mm

### NOZZLE CHART

SPRINKLER	NOZZLE SIZE
RAINBIRD 1806/12-SAM-PRS	MPR - Per Plans
RAINBIRD 5004+SAM-PRS QUARTER CIRCLE	1.5 US GPM
RAINBIRD 5004+SAM-PRS HALF CIRCLE	3.0 US GPM
RAINBIRD 5004+SAM-PRS THREE-QUARTER CIRCLE	4.5 US GPM
RAINBIRD 5004+SAM-PRS FULL CIRCLE	6.0 US GPM

### LEGEND

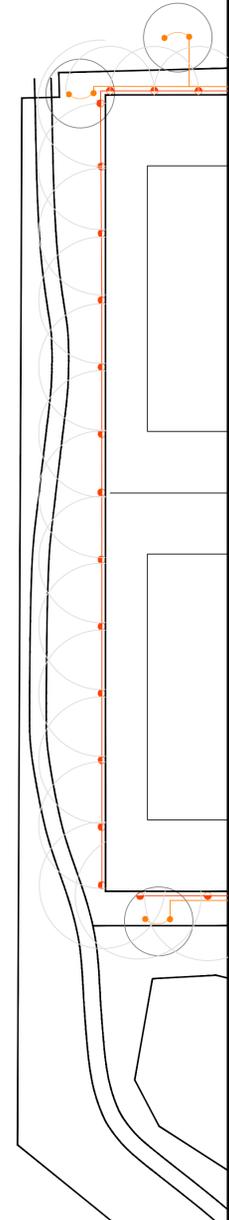
SYMBOL	DESCRIPTION
	IRRIGATION CONTROLLER - TORO SENTINEL DX1 2-WIRE AC CONTROLLER CABINET TO BE A STAINLESS STEEL WALL MOUNT - INCLUDES A TORO M&C CELLULAR KIT & ANTENNA MODEL NUMBER TO BE VERIFIED FROM TORO
	RAINBIRD 1806-SAM-PRS SERIES, 100mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 1812-SAM-PRS SERIES, 150mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 5004+SAM-PRS SERIES, 125mm MEDIUM POP-UP ROTOR with RAIN CURTAIN NOZZLES - Sized per Plans
	RAINBIRD PEB SERIES ECV with 24V. SOLENOID PRE-INSTALLED - Size per Plans
	RAINBIRD ROOT WATERING SYSTEM: RWS-B-C-1402 w/SOCK
	50mm BRASS DRAIN VALVE ASSEMBLY
	RAINBIRD 5RC SERIES 25mm QUICK COUPLER VALVE
	TOYO 206A R&W ISOLATION GATE VALVE, Size per Pipe
	75mm POINT OF CONNECTION - LOCATION per PLANS
	TWO-WIRE COPPER GROUNDING PLATE - FROM PAIGE ELEC #1822011C & TORO SURGE PROTECTION DEVICE, SB-BLA
	IRRIGATION TWO-WIRE PATHWAY - PAIGE ELEC, P7350D RED OUTER SHEATHING - #14 GAUGE SINGLE PAIR CABLE SUPPLY & INSTALL A SINGLE CONDUCTOR SPARE WIRE, CSA APPROVED #14 TWU-40 FOR ENTIRE PATHWAY - BLUE
	50mm/75mm SCH40 CSA PVC MAINLINE PIPE - SW*
	25mm - 50mm CLASS 200 CSA PVC LATERAL PIPE - SW*
	SCH40 PVC SLEEVING - MIN. 100mm or 2 x TOTAL PIPE DIA.
	50mm DB2 PVC WIRE CONDUIT

\* NOTE: (SW) - SOLVENT WELD

NOTE: ALL CONSTRUCTION INSTALLATION DETAIL CALL-OUTS WILL REFER TO THE CITY OF COQUITLAM - PARK DEVELOPMENT STANDARD DRAWINGS AS PROVIDED - TYP.



FOR RFP



MATCHLINE - IR-02

No.	By:	Description	Date
7	DEP	Issued for RFP	May 05, 2024
6	DEP	100% Design	March 24, 2025
5	DEP	Issued for Final 100% Design	Jan. 17, 2025
4	DEP	Re-issue for 100% Draft Review	Dec. 16, 2024
3	DEP	Issued for 100% Draft Review	Dec. 16, 2024
2	DEP	Re-Issued for 95% Review	Nov. 30, 2024
1	DEP	Issued for 95% Review	Nov. 28, 2024

REVISIONS TABLE FOR DRAWINGS

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No.	By:	Description	Date
3	DEP	Updated Base Plan & Charts	May 05, 2025
2	DEP	Updated Charts, Page Numbers	Dec. 16, 2024
1	DEP	Added Irrig. Head Coverage	Nov. 30, 2024

REVISIONS TABLE FOR SHEET

Project:  
 BURKE MOUNTAIN PARK

Location:  
 3390 & 3400 DAVID AVENUE.  
 COQUITLAM, BC

Drawn: D.E.P.	Stamp: 
Checked: TM	
Approved: TM	Original Sheet Size: 24"x36"

Scale:  
 1:300

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Drawing Title:  
**BURKE MOUNTAIN PARK  
 IRRIGATION SYSTEM DESIGN**

VDZ Project #:  
**PR2023-04**

Drawing #:  
**IR-04**

IRRIGATION SCHEDULE & ZONE DATA

Burke Mountain Park										BASED ON PEAK ET DEMANDS FOR JULY/AUGUST ET = 7.2mm/DAY	
STA. #	ZONE DESCRIPTION	SPRINKLER MAKE, MODEL & TYPE	NOZZLE TYPE	ECV SIZE	DESIGN PSI ECV SETTING	DESIGN FLOW U.S.G.P.M.	PRECIPITATION RATE in/hr	RUN DAYS	PROGRAM DAYS	RUN TIME Minutes	
1	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
2	RAINBIRD RWS - TREE BUBBLER	RAINBIRD RWS-B-C-1402-SOCKED	0.5 GPM	25mm	50		-----	4	EVEN	30	
3	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
4	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
5	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.45	4	EVEN	50	
6	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	38mm	40		1.54	4	EVEN	15	
7	RAINBIRD RWS - TREE BUBBLER	RAINBIRD RWS-B-C-1402-SOCKED	0.5 GPM	38mm	50		-----	4	EVEN	30	
8	MEDIUM POP-UP ROTOR - FC	RAINBIRD 5004+SAM-PRS	per PLAN	25mm	55		0.45	4	EVEN	50x2	
9	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.45	4	EVEN	50	
10	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	25mm	55		0.45	4	EVEN	50	
11	RAINBIRD RWS - TREE BUBBLER	RAINBIRD RWS-B-C-1402-SOCKED	0.5 GPM	25mm	50		-----	4	EVEN	30	
12	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	25mm	55		0.45	4	EVEN	50	
13	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
14	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	25mm	55		0.45	4	EVEN	50	
15	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	25mm	55		0.45	4	EVEN	50	
16	RAINBIRD RWS - TREE BUBBLER	RAINBIRD RWS-B-C-1402-SOCKED	0.5 GPM	38mm	50		-----	4	EVEN	30	
17	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	38mm	40		1.54	4	EVEN	15	
18	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1812-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
19	MEDIUM POP-UP ROTOR - PC/FC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.42	4	EVEN	55	
20	RAINBIRD RWS - TREE BUBBLER	RAINBIRD RWS-B-C-1402-SOCKED	0.5 GPM	25mm	50		-----	4	EVEN	30	
21	RAINBIRD RWS - TREE BUBBLER	RAINBIRD RWS-B-C-1402-SOCKED	0.5 GPM	25mm	50		-----	4	EVEN	30	
22	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	38mm	40		1.54	4	EVEN	15	
23	MEDIUM POP-UP ROTOR - PC/FC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.42	4	EVEN	55	
24	MEDIUM POP-UP ROTOR - PC/FC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.42	4	EVEN	55	
25	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	38mm	40		1.54	4	EVEN	15	
26	RAINBIRD RWS - TREE BUBBLER	RAINBIRD RWS-B-C-1402-SOCKED	0.5 GPM	25mm	50		-----	4	EVEN	30	
27	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
28	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	38mm	40		1.54	4	EVEN	15	
29	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
30	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	38mm	40		1.54	4	EVEN	15	
31	MEDIUM POP-UP ROTOR - FC	RAINBIRD 5004+SAM-PRS	per PLAN	25mm	55		0.45	4	EVEN	50x2	
32	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.45	4	EVEN	50	
33	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1812-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
34	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	25mm	55		0.45	4	EVEN	50	
35	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	25mm	55		0.45	4	EVEN	50	
36	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.45	4	EVEN	50	
37	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	25mm	55		0.45	4	EVEN	50	
38	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
39	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1806-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
40	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1812-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
41	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1812-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
42	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1812-SAM-PRS	MPR - PER PLAN	25mm	40		1.54	4	EVEN	15	
43	MEDIUM POP-UP ROTOR - FC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.45	4	EVEN	50x2	
44	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.45	4	EVEN	50	
45	FIXED SPRAY POP-UP SPRINKLER	RAINBIRD 1812-SAM-PRS	MPR - PER PLAN	38mm	40		1.54	4	EVEN	15	
46	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.45	4	EVEN	50	
47	RAINBIRD RWS - TREE BUBBLER	RAINBIRD RWS-B-C-1402-SOCKED	0.5 GPM	25mm	50		-----	4	EVEN	30	
48	MEDIUM POP-UP ROTOR - PC	RAINBIRD 5004+SAM-PRS	per PLAN	38mm	55		0.45	4	EVEN	50	
							TOTAL DAILY RUN TIME per CYCLE = 1,690 Minutes / 28.2 Hours				

NOTE(S): 1. SCHEDULE TO BE USED FOR 1 YEAR GROW IN PERIOD ONLY; 2. OPERATE (4) FOUR ZONES SIMULTANEOUSLY TO ACHIEVE AN (7) SEVEN HOUR WATER WINDOW.

FLOW RATES TO BE DETERMINED

IRRIGATION INSTALLATION NOTES

- ALL IRRIGATION PRODUCTS, MATERIALS AND INSTALLATIONS ARE TO FOLLOW THE WRITTEN SPECIFICATIONS INCLUDED WITH THIS DESIGN PACKAGE - FROM THE CITY OF COQUITLAM - PARK DEVELOPMENT SPECIFICATIONS - SECTION 32 84 23 - TYP.
- THE IRRIGATION SYSTEM DESIGN IS BASED ON A MAXIMUM OF (100) U.S.G.P.M. & (80) PSI AVAILABLE AT THE POINT OF CONNECTION. THE CONTRACTOR IS TO VERIFY THE SAME AND NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING PRIOR TO START OF WORK.
- THE IRRIGATION SYSTEM DESIGN BASED UPON A MIN. WEEKLY REQUIREMENT OF 38mm. PEAK ET OCCURRING IN JULY/AUG OF 7.2mm.
- PRECIPITATION RATES FOR TURF AREAS IS BASED UPON AN AVERAGE OF NOZZLE SIZES. ALWAYS USE MATCHED NOZZLES.
- DESIGN DAILY RUN TIMES ARE BASED UPON A (4) FOUR DAY per WEEK WATERING SCHEDULE. BASED ON (1) ONE YEAR GROW IN PERIOD.
- A MAX. WATER WINDOW OF (7) SEVEN Hrs. IS REQ'D FOR THE IRRIGATION SYSTEM AS DESIGNED. PROGRAMMED TO OPERATE (4) FOUR ZONES SIMULTANEOUSLY.
- POP UP SPRINKLER SPACING IS NOT TO EXCEED 50% ACCOUNTING FOR A MINIMUM 4 MPH WIND FACTOR.
- PIPING SHOWN IS FOR SCHEMATIC PURPOSES. NO CROSSING OF ANY PIPING IS ALLOWED. MAXIMUM 2 PIPES per TRENCH SIDE BY SIDE WITH Min. 50mm CLEARANCE.
- INSTALL ALL 24V. WIRING TO A MIN. BURY DEPTH OF 450mm WITH PIPING COVER or 600mm WITHOUT PIPING COVER. BED ALL WIRE WITH 150mm OF CLEAN, ROCK FREE SAND. ALL COMMON WIRE TO BE TWU-40 #12 GAUGE - CONSISTENTLY WHITE COLOR. ALL CONTROL WIRE TO BE TWU-40 #14 GAUGE - CONSISTENTLY ONE COLOR per RUN - OTHER THAN GREEN, WHITE, RED or BLUE.
- INSTALL ALL ELECTRICAL CONDUIT AS per PLANS. USE CSA NON-METALLIC DB2 PVC CONDUIT - GREY IN COLOR. SIZES as SHOWN ON DESIGN.
- INSTALL ALL ELECTRIC CONTROL VALVES (ECV's) WITH MINIMUM 50mm CLEARANCE AROUND THE VALVE AND BETWEEN THE VALVE AND THE VALVE BOX. ENSURE ADEQUATE (Min. 50mm) CLEARANCE BETWEEN THE BOTTOM OF THE EVC AND THE DRAIN ROCK FOR MAINTENANCE PURPOSES.
- ALL WIRE SPLICES ARE TO BE MADE WITH 3M-DBY/R WATER PROOF CONNECTIONS AND TO BE LOCATED AT AN ECV OR IN A VALVE BOX.
- THE WIRE RUNS ARE TO BE INSTALLED WITH A Min. OF 600mm LENGTH OF WIRE COILED UP SLACK AT EVERY CHANGE OF DIRECTION, IN WIRE SPLICE BOXES AND AT ALL CONNECTIONS MADE TO VARIOUS ELECTRICALLY CONTROLLED COMPONENTS.
- ALL SPRINKLERS ARC'S AND RADIUS'S ARE TO BE ADJUSTED TO MINIMIZE OVER SPRAY ONTO ADJACENT HARD SURFACES.
- ALL SPRINKLERS TO BE INSTALLED WITH SCH40 PVC TRIPLE PVC SWING JOINTS AND SCH80 PVC NIPPLES.
- INSTALL ALL MAINLINE PIPE AT A MINIMUM OF 600mm BURY DEPTH - TOP OF PIPE. BED PIPE WITH 150mm OF CLEAN, ROCK FREE SAND.
- INSTALL ALL LATERAL PIPING AT A MINIMUM OF 450mm BURY DEPTH - TOP OF PIPE. BED PIPE WITH 100mm OF CLEAN, ROCK FREE SAND.
- ASSEMBLY & INSTALLATION OF ALL IRRIGATION COMPONENTS ARE TO FOLLOW THE DETAILS & SPECIFICATIONS LISTED ON PAGES IR-04 & IR-05.
- THE CONTRACTOR IS TO VERIFY THE LOCATION(S) OF ALL ON-SITE UTILITIES. RESTORATION OF DAMAGED UTILITIES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR and or THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR IS TO INSTALL SLEEVING FOR IRRIGATION PIPING AND ELECTRICAL WIRING UNDER ALL WALKWAYS, DRIVEWAYS, WALLS (ROCK or BRICK). WATER LINES AND ELECTRICAL WIRES SHALL NOT SHARE THE SAME SLEEVE. MINIMUM SLEEVE TO BE 2x PIPE DIA.
- THE CONTRACTOR MUST BE QUALIFIED TO INSTALL LARGE SCALE, COMMERCIAL IRRIGATION SYSTEMS. THE CONTRACTOR MUST HAVE A MINIMUM OF (5) FIVE YEARS INSTALLATION EXPERIENCE AND BE A MEMBER IN GOOD STANDING WITH THE IRRIGATION INDUSTRY ASSOCIATION OF B.C. (I.I.A.B.C.)
- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND CONFIRMING ALL DIMENSIONS or ELEVATIONS SHOWN ON DRAWINGS. WHERE ANY DISCREPANCIES OCCUR, THE CONTRACTOR SHALL INFORM THE CONTRACT ADMINISTRATOR IMMEDIATELY.

FOR FP



No.	By:	Description	Date
6	DEP	Issued for FP	May 05, 2024
5	DEP	Issued for Final 100% Design	Jan. 17, 2025
4	DEP	Re-issue for 100% Draft Review	Dec. 16, 2024
3	DEP	Issued for 100% Draft Review	Dec. 16, 2024
2	DEP	Re-Issued for 95% Review	Nov. 30, 2024
1	DEP	Issued for 95% Review	Nov. 28, 2024

REVISIONS TABLE FOR DRAWINGS

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No.	By:	Description	Date
3	DEP	Added Zones #41-#48	Jan. 17, 2025
2	DEP	Revised Zone Numbers	Dec. 16, 2024
1	DEP	Updated Zone Data	Dec. 16, 2024

REVISIONS TABLE FOR SHEET

Project:  
 BURKE MOUNTAIN PARK

Location:  
 3390 & 3400 DAVID AVENUE.  
 COQUITLAM, BC

Drawn: D.E.P.	Stamp: 
Checked: TM	
Approved: TM	Original Sheet Size: 24"x36"
Scale: N.T.S.	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/DPP/PA/HBP DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

Drawing Title: **BURKE MOUNTAIN PARK IRRIGATION SYSTEM NOTES & SPECIFICATIONS**  
 Drawing #: **IR-05**  
 VDZ Project #: **PR2023-04**



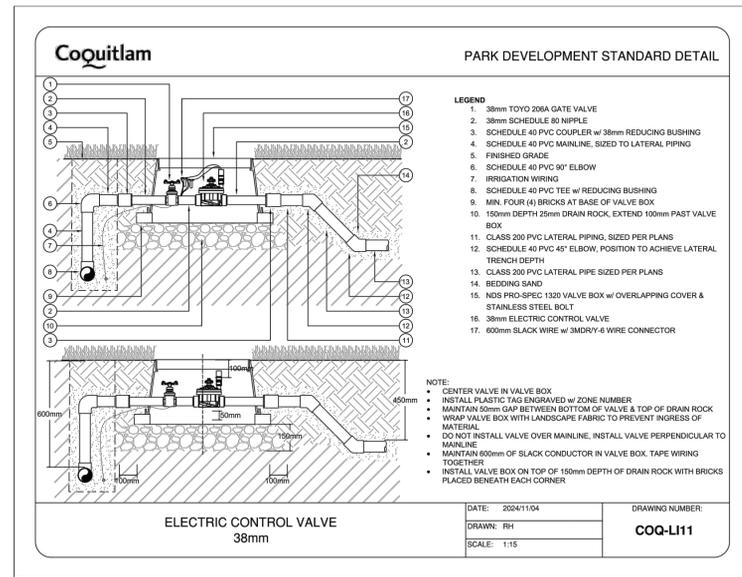
FOR RFP



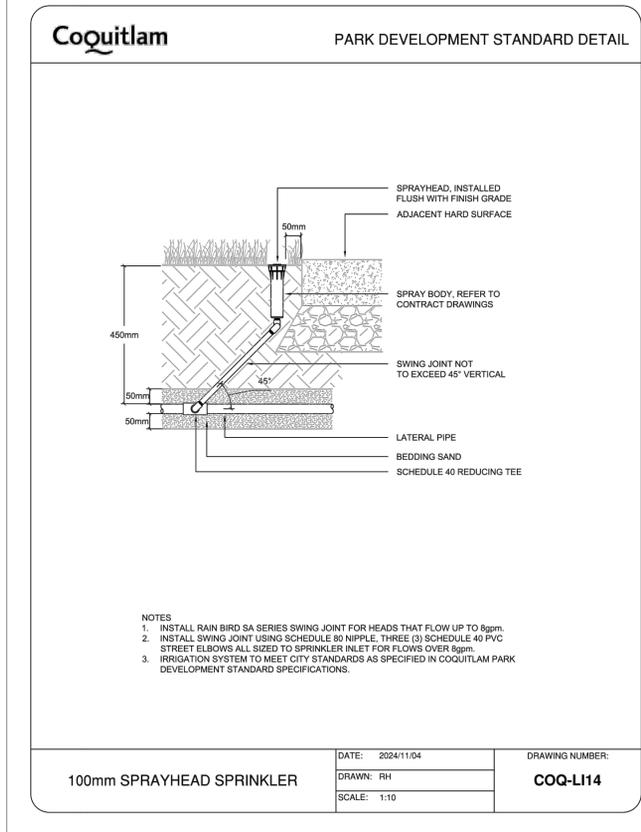
No.	By:	Description	Date
6	DEP	Issued for RFP	May 05, 2024
5	DEP	100% Design	March 24, 2025
4	DEP	Issued for Final 100% Design	Jan. 17, 2025
3	DEP	Issued for 100% Draft Review	Dec. 16, 2024
2	DEP	Re-Issued for 95% Review	Nov. 30, 2024
1	DEP	Issued for 95% Review	Nov. 28, 2024

No.	By:	Description	Date
REVISIONS TABLE FOR DRAWINGS			
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REVISIONS TABLE FOR SHEET			
Project: BURKE MOUNTAIN PARK			
Location: 3390 & 3400 DAVID AVENUE. COQUITLAM, BC			
Drawn:	Stamp:		
D.E.P.			
Checked:			
TM	Approved:	Original Sheet Size: 24"x36"	
N.T.S.	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/DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.	

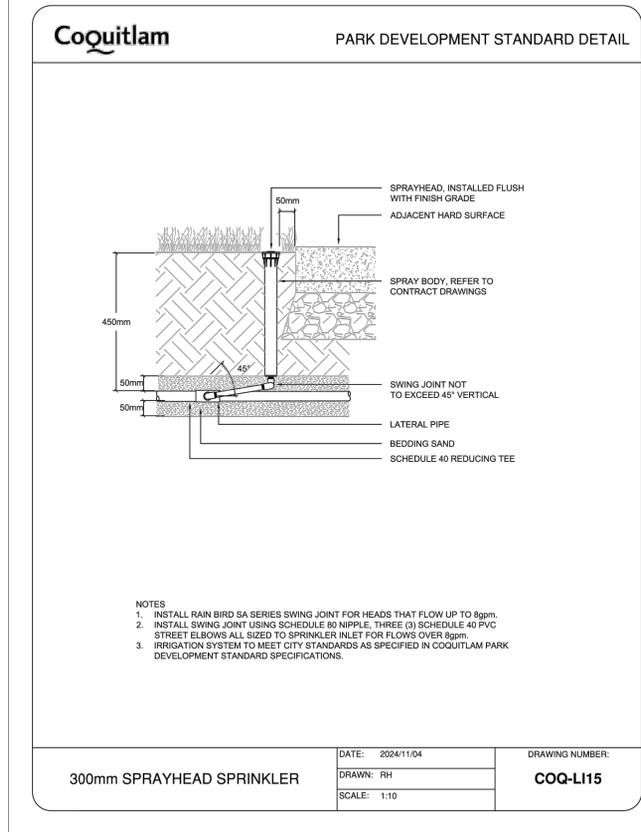
Drawing Title: BURKE MOUNTAIN PARK IRRIGATION SYSTEM DETAILS  
 VZD Project #: PR2023-04  
 Drawing #: IR-07



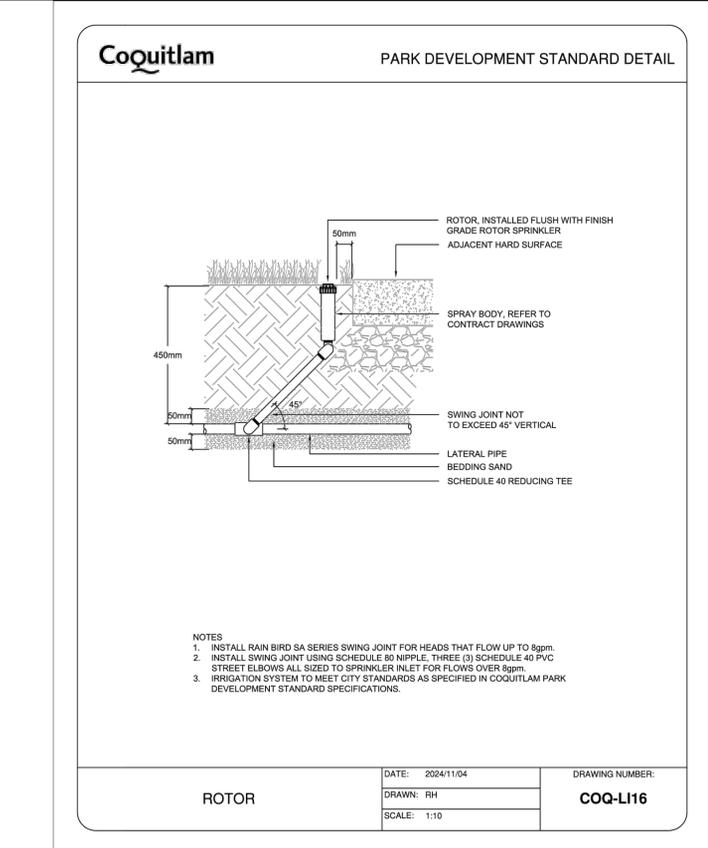
7 38mm Electric Control Valve Assembly - COQ-LI11  
IR-07



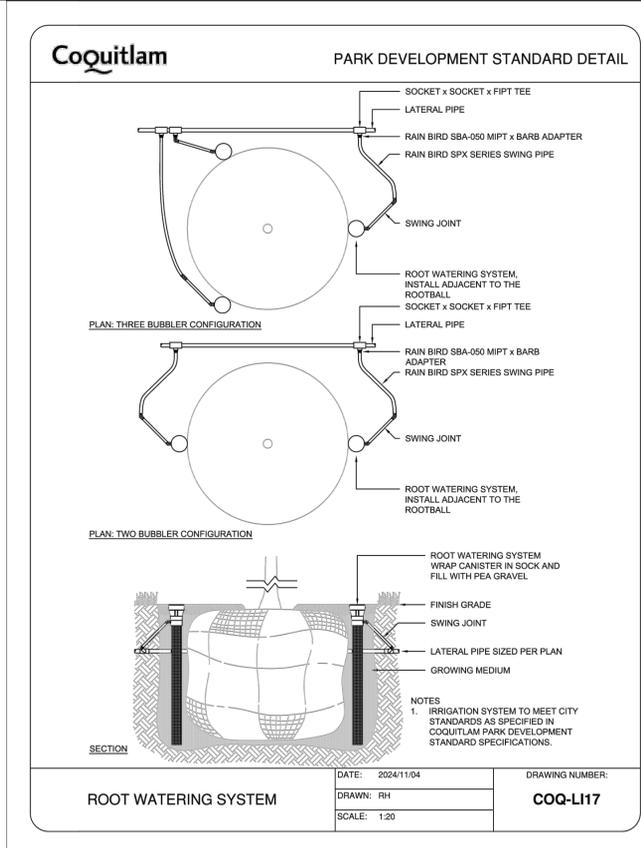
8 100mm/150mm Pop-Up Spray Head Assembly - COQ-LI14  
IR-07



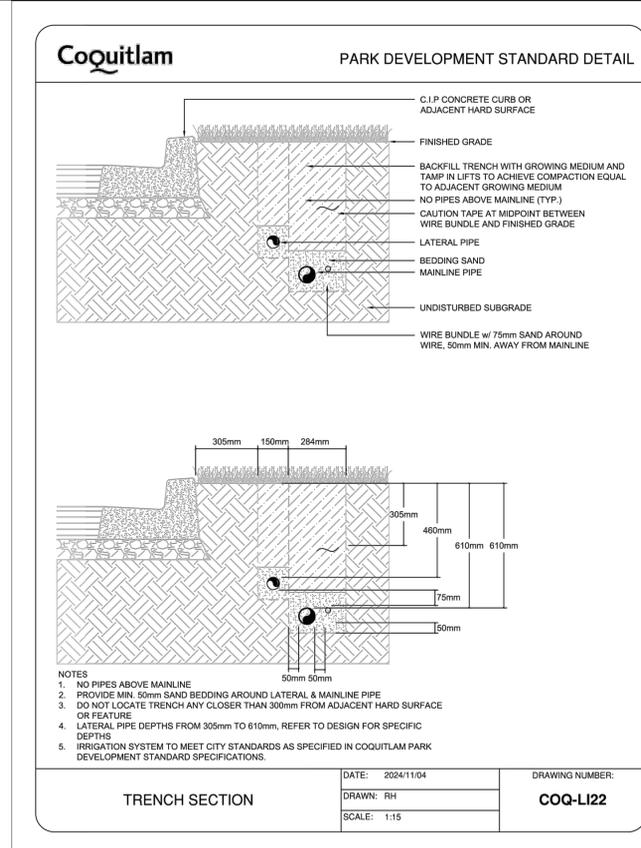
9 300mm Pop-Up Spray Head Assembly - COQ-LI15  
IR-07



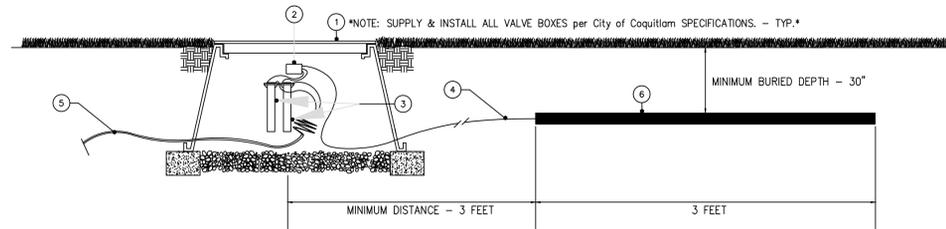
10 19mm Inlet 125mm Pop-Up Rotor Head Assembly - COQ-LI16  
IR-07



11 Double Root Watering System - COQ-LI17  
IR-07



12 Typical Trench Section - COQ-LI22  
IR-07



- 1 CARSON INDUSTRIES/ND'S PRO PLASTIC VALVE BOX - 1419B-12
- 2 TORO 2-WIRE LINE SURGE PROTECTOR - MODEL: SB-BLA
- 3 3M DBY/R WIRE SPLICE CONNECTOR (QTY 2) - PATH WIRE TO SURGE PROTECTOR
- 4 PATH TO EARTH GROUND AS PER MANUFACTURERS SPECIFICATIONS (www.toro.com)
- 5 TORO 2-WIRE PATH RED JACKETED TWISTED PAIR (BLACK and WHITE CONDUCTORS) WIRE: PAIGE ELECTRIC P7350D, 14AWG/2c GAUGE, PE UL
- 6 COPPER GROUNDING PLATE - 100mm x 90mm LONG WITH GROUND CLAMP. INSTALL THE GROUNDING PLATE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS REFER TO MANUFACTURER'S WEBSITE AT: www.toro.com

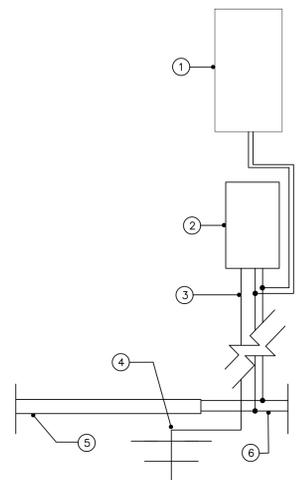
**TORO 2-WIRE SURGE PROTECTION & GROUNDING INSTALLATION NOTES:**

1. ALL TWO WIRE DECODER SYSTEMS MUST BE PROPERLY GROUNDED TO PROTECT AGAINST LIGHTNING SURGES.
2. THE COMMUNICATION CABLE MUST BE GROUNDED NO FURTHER THAN 300m FROM ANY DECODER.
3. NO DECODER CAN BE MORE THAN 150m FROM A SURGE PROTECTION DEVICE and/or GROUNDING PLATE.
4. THE SURGE PROTECTION DEVICE (TORO: SB-BLA) MUST BE CONNECTED TO A COPPER GROUNDING PLATE THAT IS AT LEAST 100mm X 90mm X 12mm IN SIZE.
5. THE MINIMUM DISTANCE BETWEEN THE SURGE PROTECTION DEVICE AND THE GROUNDING PLATE SHOULD BE 1 METER.
6. TORO RECOMMENDS A SPLIT BOLT CONNECTION TO BE USED TO CONNECT THE SURGE DEVICE TO THE GROUND WIRE WITH A DBY/R WATERPROOF ELECTRICAL CONNECTOR.

**13 Toro Two-Wire Surge Protection & Grounding Detail**

IR-08

SCALE: N.T.S.



- 1 TORO AC 2-WIRE FIELD DECODER: SB-DAC-1 (SINGLE STATION)
- 2 TORO AC 2-WIRE LINE SURGE PROTECTOR - MODEL: SB-BLA
- 3 SURGE PROTECTION 2-WIRE PATH TO GROUND - (GREEN WIRE)
- 4 PATH TO EARTH GROUND AS PER MANUFACTURERS SPECIFICATIONS
- 5 PAIGE ELEC. 2-WIRE CABLE - RED JACKETED SINGLE TWISTED PAIR (BLACK and WHITE CONDUCTORS) WIRE: PAIGE ELECTRIC P7350D, 14AWG/2c GAUGE, PE UL
- 6 DBY/R WIRE CONNECTOR (QTY 2) - SURGE PROTECTION DEVICE TO 2-WIRE PATH

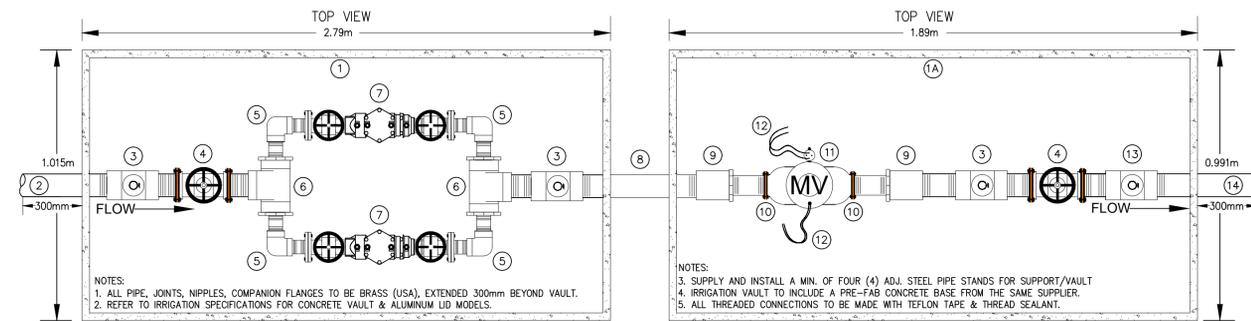
**2-WIRE SURGE PROTECTION DEVICE INSTALLATION NOTES:**

1. ALL SURGE PROTECTION CABLE SPLICES MUST ALWAYS FOLLOW THE COLOR CODE. (BLACK TO BLACK WIRES and WHITE TO WHITE WIRES and GREEN FOR GROUND)
2. MAXIMUM DISTANCE BETWEEN SURGE PROTECTION DEVICES IS LIMITED TO 300m. (NO ECV IS TO BE FARTHER THAN 150m FROM A SURGE PROTECTOR DEVICE).
3. ALL SURGE PROTECTION DEVICES MUST BE GROUNDED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
4. SECURE THE SURGE PROTECTION DEVICE WITH SCREWS TO THE SIDE WALL OF THE VALVE BOX. COIL UP SLACK WIRE AND PLACE IN VALVE BOX.

**15 Toro Two-Wire - Surge Protection Detail**

IR-08

SCALE: N.T.S.



- NOTES:
1. ALL PIPE, JOINTS, NIPPLES, COMPANION FLANGES TO BE BRASS (USA), EXTENDED 300mm BEYOND VAULT.
  2. REFER TO IRRIGATION SPECIFICATIONS FOR CONCRETE VAULT & ALUMINUM LID MODELS.

- 1 1132 (832) CONCRETE JUNCTION VAULT & ALUMINUM LID - per SPECIFICATIONS
- 1A 1102 CONCRETE VAULT & ALUMINUM LID - per SPECIFICATIONS
- 2 75mm WATER SERVICE FROM STREET - BY CITY OF COQUITLAM FORCES
- 3 75mm TEE with 25mm BRASS BALL VALVE c/w 25mm x 100mm LONG NIPPLE (INSTALL DOWN - USED FOR DRAIN)
- 4 75mm ISOLATION GATE VALVE F x F - CLOW F6102 GEAR OPERATED
- 5 50mm BRASS (USA) 90 DEGREE ELBOW w/ 50mm x 100mm LONG NIPPLE
- 6 75mm BRASS (USA) TEE c/w 75mm x 50mm REDUCING BUSHING TO 50mm x 100mm LONG NIPPLE (x2)

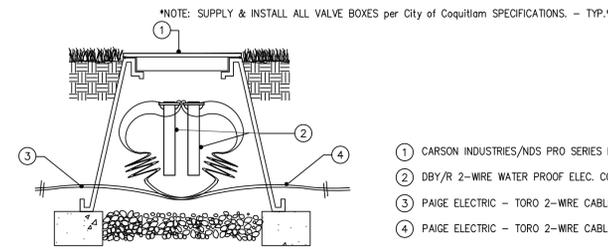
**PLAN VIEW**

**17 75mm Point of Connection Assembly**

IR-08

NOTES:  
SEE PLANS, LEGEND AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION NOTES.

SCALE: N.T.S.



**SECTION/ELEVATION**

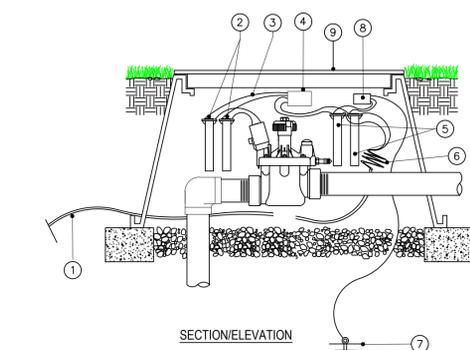
**14 Toro Two-Wire - Wire Splice Detail**

IR-08

NOTES:  
SEE PLANS, LEGEND AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION NOTES.

SCALE: N.T.S.

\*NOTE: SUPPLY & INSTALL ALL VALVE BOXES per City of Coquitlam SPECIFICATIONS. - TYP.\*



**SECTION/ELEVATION**

**16 Toro Two-Wire - ECV to Decoder Wiring Detail with Surge Protection**

IR-08

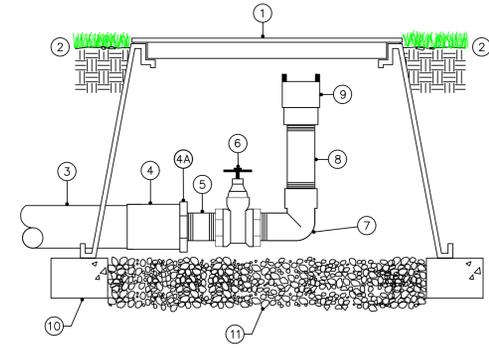
SCALE: N.T.S.

- 1 TORO TWO-WIRE PATH RED JACKETED/TWISTED PAIR (BLK and WHI WIRE) WIRE: PAIGE ELECTRIC P7350D, 14AWG/2c GAUGE, PE UL
- 2 DBY/R WIRE CONNECTOR - DECODER TO ECV
- 3 RED/RED/BLACK WIRES TO VALVE SOLENOID (COLORS MUST MATCH)
- 4 TORO 1 OR 2 STATION DECODER - MODEL # SBDAC-1 / SBDAC-2
- 5 DBY/R WIRE CONNECTOR (QTY 2) - PATH WIRE TO SURGE ARRESTOR
- 6 INSTALL DECODERS AND OR SURGE ARRESTORS WITH A MINIMUM OF 1m SLACK OF WIRE PER UNIT
- 7 TO EARTH GROUND INSTALLED PER MANUFACTURERS RECOMMENDED SPECIFICATIONS FOR TWO-WIRE DECODER GROUNDING
- 8 TORO SURGE ARRESTOR - MODEL # SB-BLA
- 9 CARSON/ND'S PLASTIC VALVE BOX - 1320B-12

**TORO AC DECODER INSTALLATION NOTES:**

1. ALL COMMUNICATION CABLE SPLICES MUST ALWAYS FOLLOW THE COLOR CODE. (BLACK TO BLACK WIRES and WHITE TO WHITE WIRES)
2. ALL ELECTRIC CONTROL VALVES MUST BE EQUIPPED WITH A 24V AC SOLENOID. (TORO MODEL - R81)
3. ALL DECODER TO SOLENOID WIRES MUST BE CONNECTED WITH THE CORRECT WIRE ORDER TO PROPERLY OPERATE THE SOLENOID.
4. THE DECODER'S SOLID OUTPUT WIRE IS CONNECTED TO THE RED SOLENOID WIRE. THE DECODER'S OUTPUT WIRE WITH BLACK STRIPE IS CONNECTED TO THE BLACK SOLENOID WIRE.
5. IF REMAINING STATION OUTPUT WIRES ARE NOT BEING USED, INSTALL A WIRE NUT ON EACH WIRE AND PLACE THEM IN A DBY/R WATERPROOF SPLICE KIT.
6. SECURE THE DECODER AND/OR SURGE ARRESTOR UNIT WITH SCREWS TO THE SIDE WALL OF THE VALVE BOX. COIL UP SLACK WIRE AND PLACE IN VALVE BOX.

\*NOTE: SUPPLY & INSTALL ALL VALVE BOXES per City of Coquitlam SPECIFICATIONS. - TYP.\*



**SECTION/ELEVATION**

**18 50mm Mainline Drain Valve Assembly**

IR-08

NOTES:  
SEE PLANS, LEGEND AND SPECIFICATIONS FOR ADDITIONAL INSTALLATION NOTES.

SCALE: N.T.S.

FOR RFP



No.	By:	Description	Date
6	DEP	Issued for RFP	May 05, 2024
5	DEP	100% Design	March 24, 2025
4	DEP	Issued for Final 100% Design	Jan. 17, 2025
3	DEP	Issued for 100% Draft Review	Dec. 16, 2024
2	DEP	Re-Issued for 95% Review	Nov. 30, 2024
1	DEP	Issued for 95% Review	Nov. 28, 2024

**REVISIONS TABLE FOR DRAWINGS**

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No.	By:	Description	Date
1	DEP	Updated Notes to all Details	Jan. 17, 2025

**REVISIONS TABLE FOR SHEET**

Project: **BURKE MOUNTAIN PARK**

Location: **3390 & 3400 DAVID AVENUE. COQUITLAM, BC**

Drawn:	Stamp:
D.E.P.	
Checked:	
TM	
Approved:	Original Sheet Size:
TM	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/DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.
N.T.S.	

Drawing Title: **BURKE MOUNTAIN PARK IRRIGATION SYSTEM TWO-WIRE DETAILS**

VDZ Project #: **PR2023-04**

Drawing #: **IR-08**