

BURKE MOUNTAIN ATHLETIC PARK

ISSUED FOR RFP

VDZ+A

LANDSCAPE ARCHITECTURE | CIVIL ENGINEERING | URBAN FORESTRY

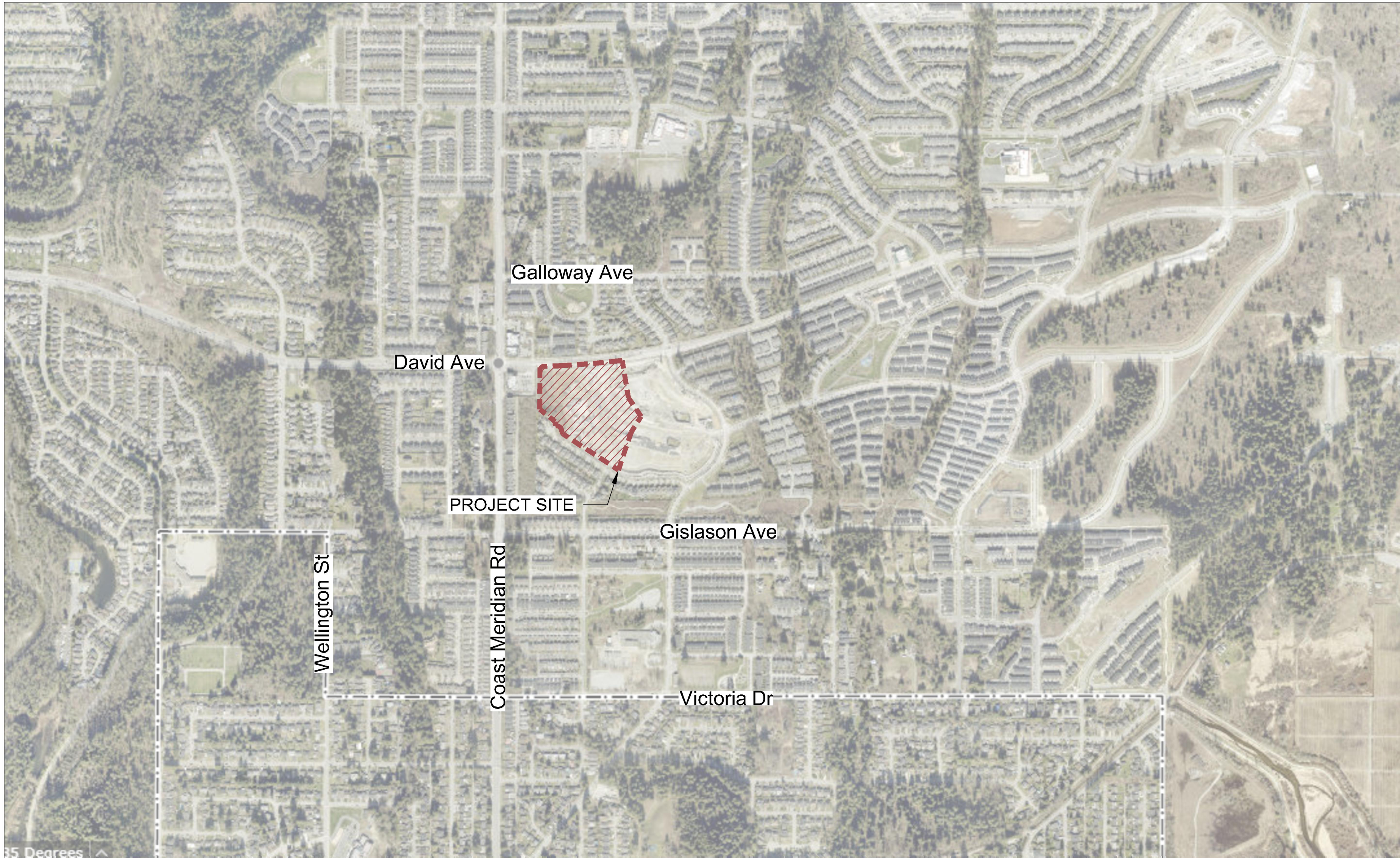
FORT LANGLEY STUDIO | MOUNT PLEASANT STUDIO

100-9181 Church St 102-355 Kingsway

Fort Langley, BC Vancouver, BC

V1M 2R8 V5T 3J7

www.vdz.ca 604-882-0024



Location Map (NTS)

Contact Information

VDZ+A

Project Landscape Architecture

Fort Langley Studio
102 - 9181 Church Street
Fort Langley, British Columbia, V1M 2R8

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

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

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12	TM	Issued for RFP	May 05, 2025
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REVISIONS TABLE FOR DRAWINGS

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

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Drawing Title:
COVER PAGE



VDZ Project #:
PR2023-04

Drawing #:
L-01

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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
TREES				
	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
ENVIRONMENTAL			
	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
		TREE TRENCH Typical for single tree 3.3m x 3.3m x 0.6m depth
		Root Barrier Trees closer than 2m from public sidewalk or curb require 5m long root barrier centred on each tree. Product: Deep Root L&B-24-2. Install as per manufacturer's specifications.

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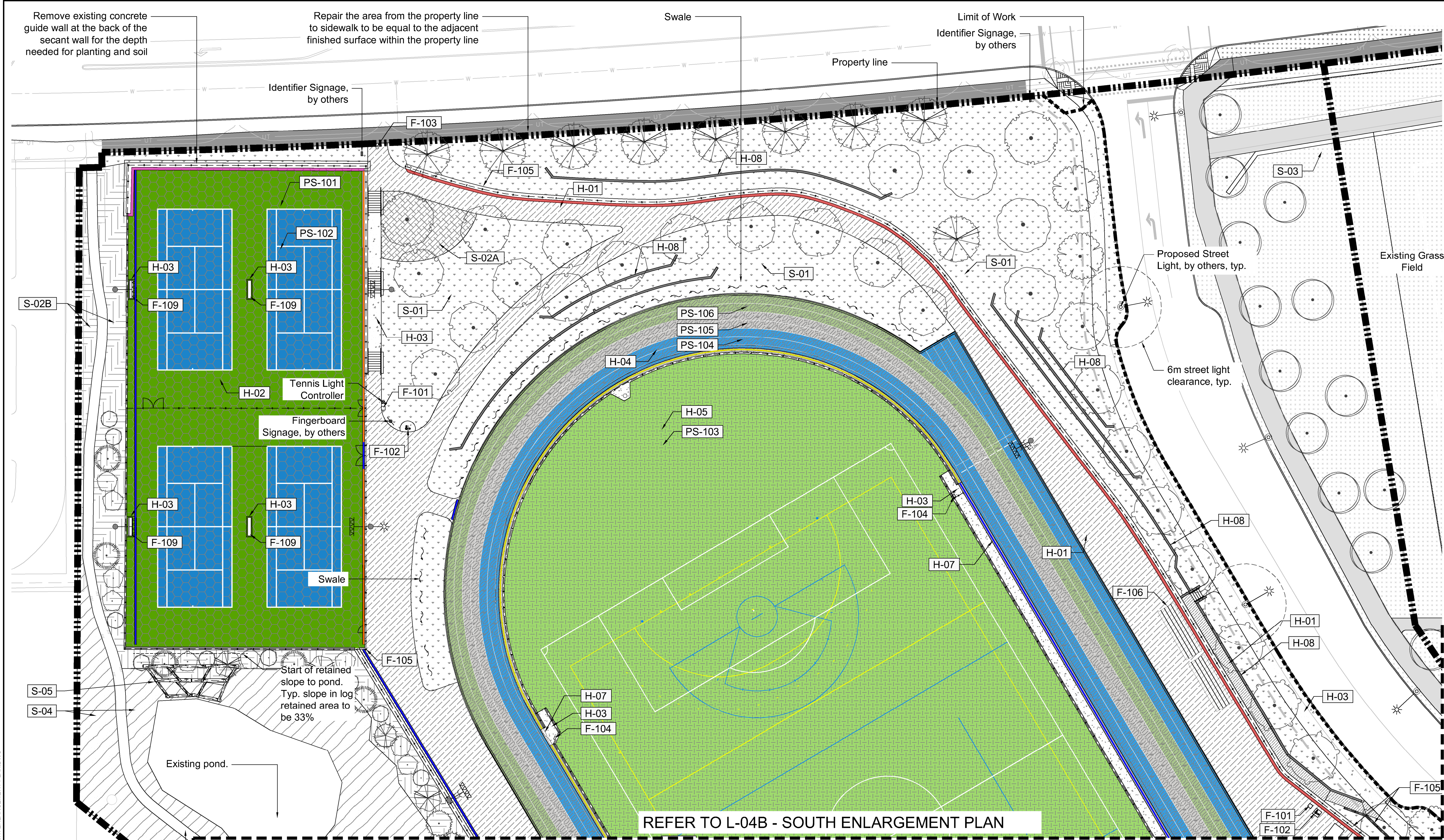
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FURNITURE SCHEDULE

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	PLAYERS 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	

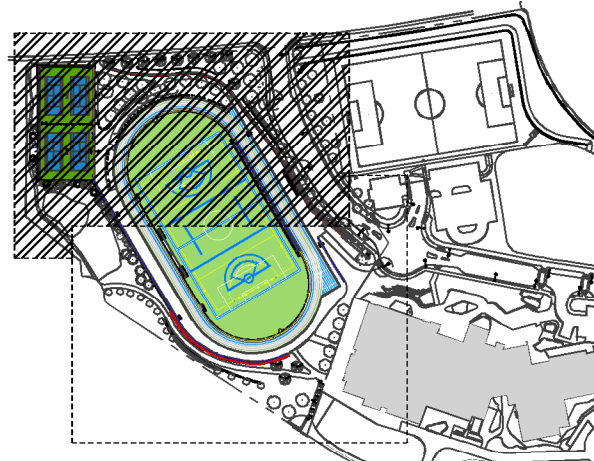
LINEAR DRAINS

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	

Key Map (NTS)



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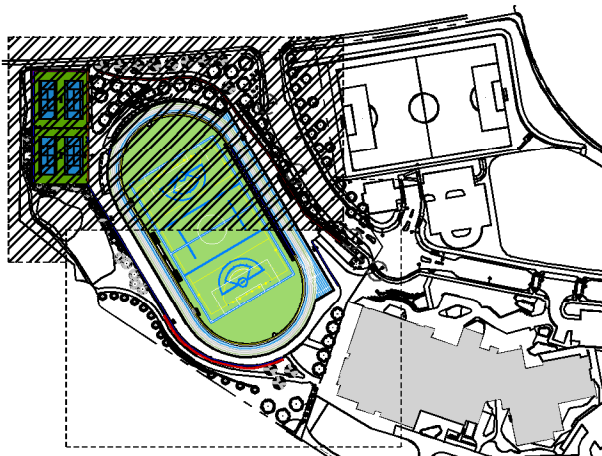
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Key Map (NTS)



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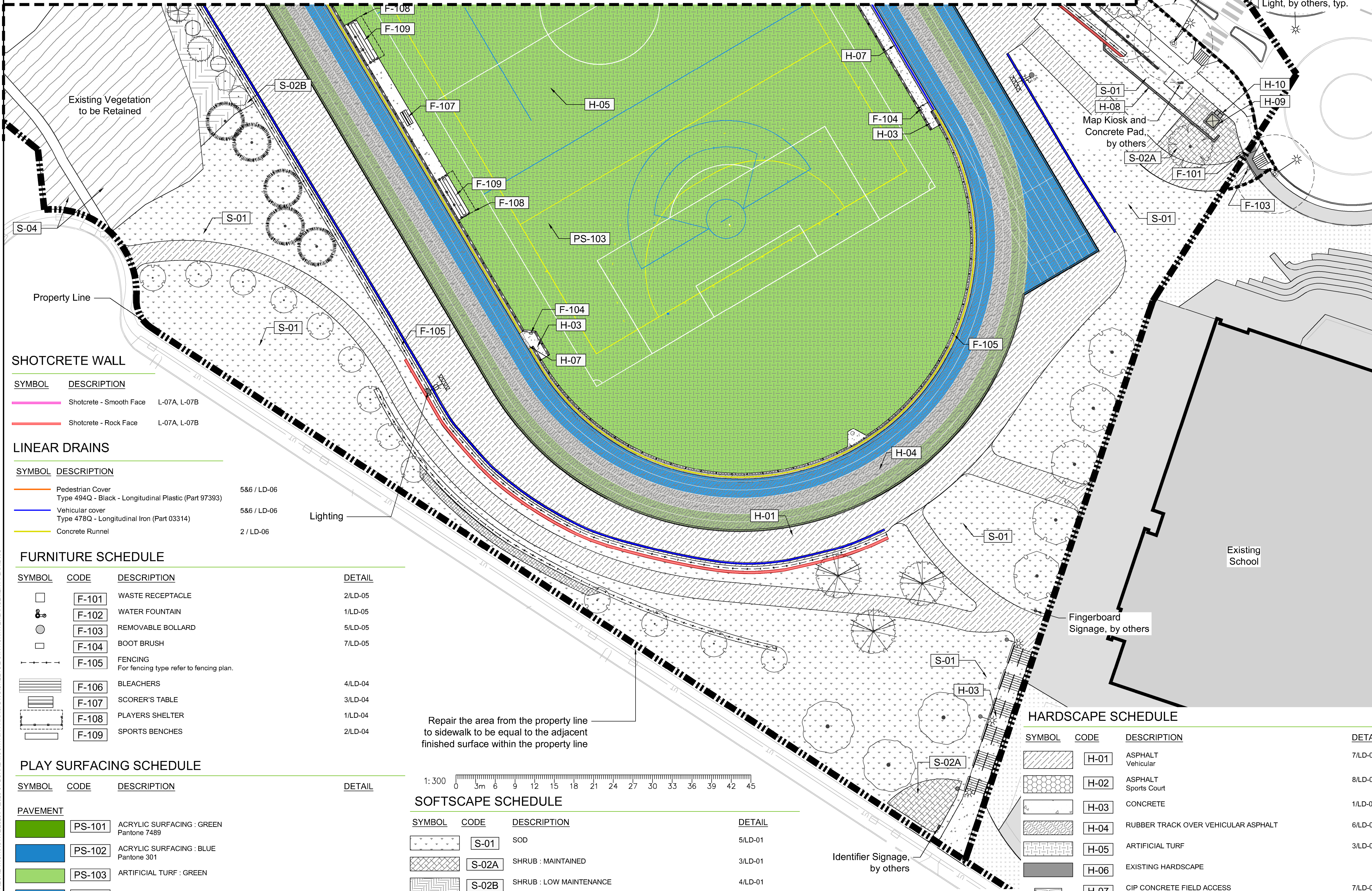
Drawing Title:
SOUTH ENLARGEMENT PLAN



VDZ Project #:
PR2023-04

Drawing #:
L-04B

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	
	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
PAVEMENT			
	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	

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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

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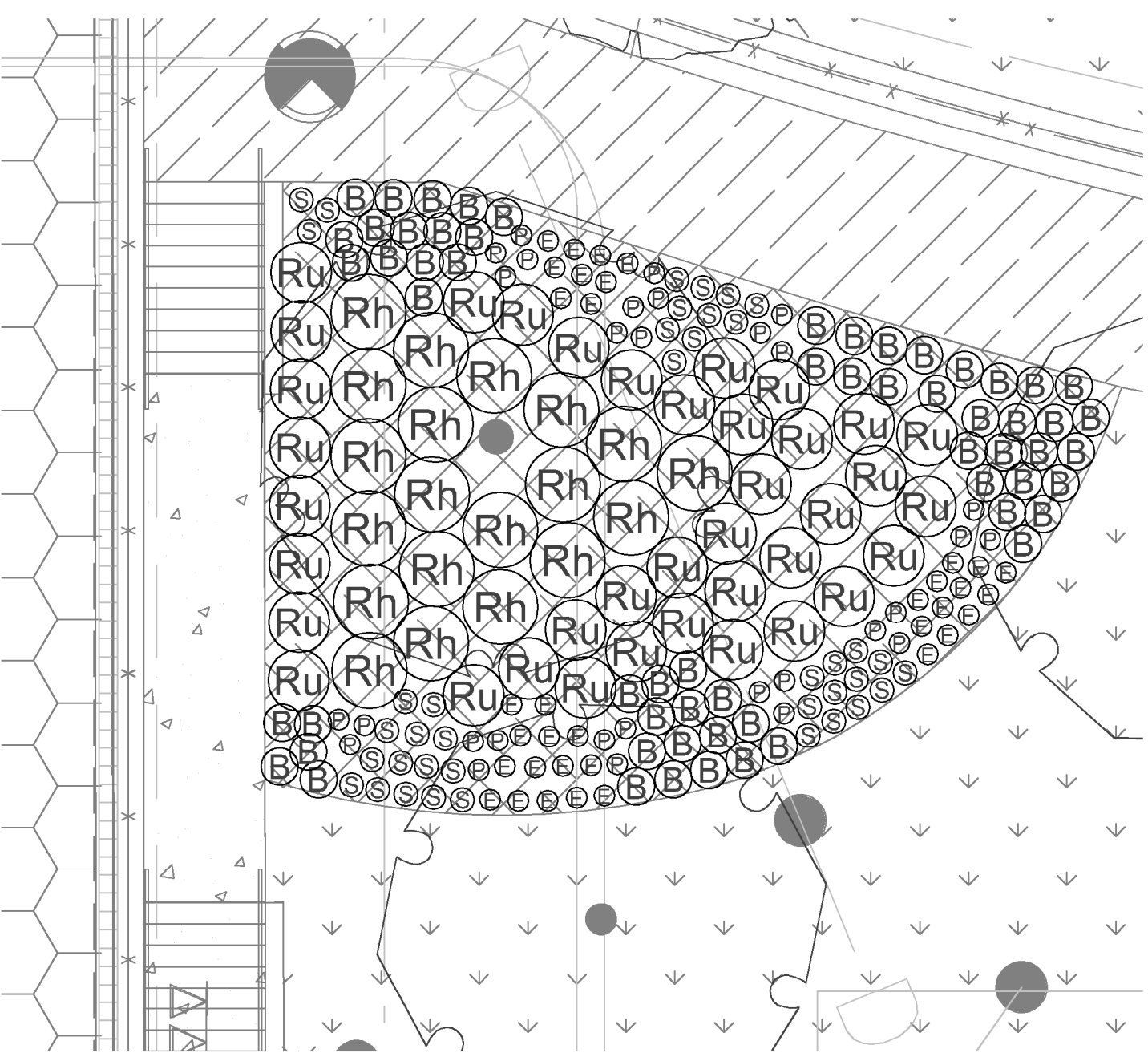
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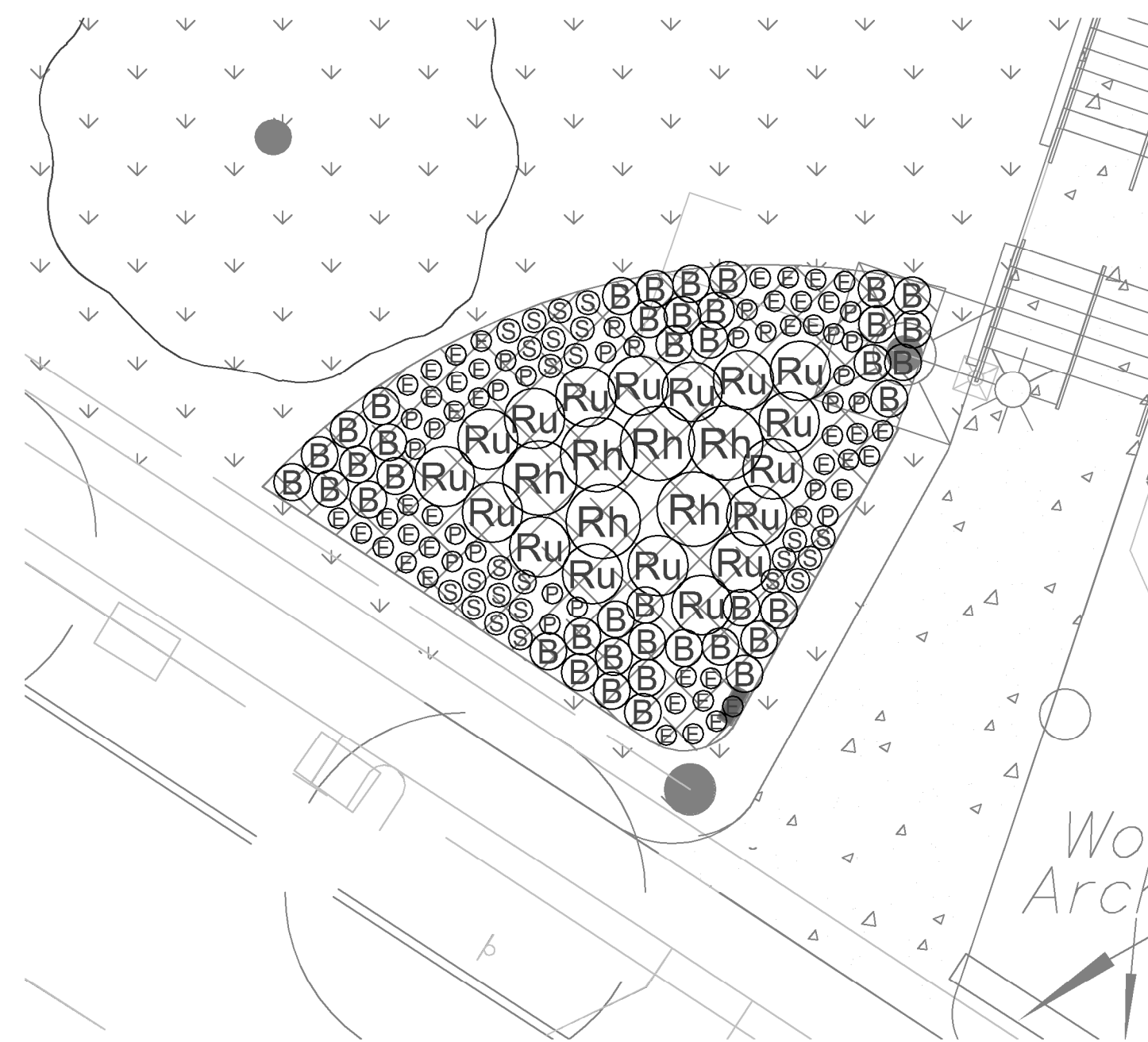
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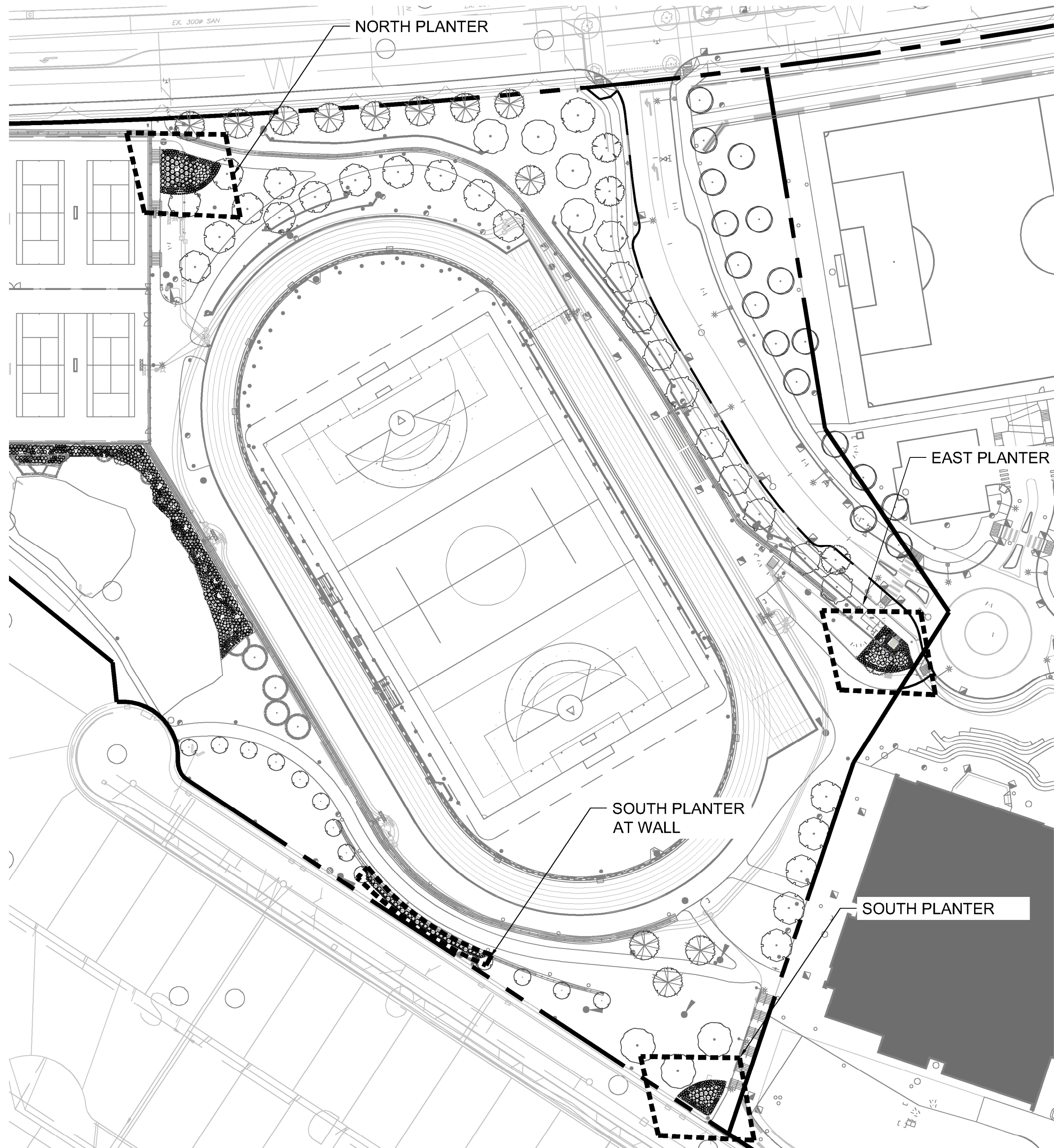
1 NORTH PLANTER
Scale 1:100



2 EAST PLANTER
Scale 1:100



3 SOUTH PLANTER
Scale 1:100



1 KEY PLAN
Scale 1:100



4 SOUTH PLANTER AT WALL
Scale 1:100

PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME	CONT	SPACING	QTY
SHRUBS				
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
ENVIRONMENTAL				
Au	Arctostaphylos uva-ursi / Kinnikinnick	#1	0.5 m	163
Bl	Blechnum spicant / Deer Fern	#1	0.6 m	33
Gs	Gledisia triacanthos inermis 'Skyline' / Salal	#2	0.7 m	197
Mn	Mahonia nervosa / Dull Oregon Grape	#1	0.6 m	175
Oc	Oemleria caerulescens / Oxberry	#2	1 m	43
Pl	Philadelphus lewisii / Wild Mock Orange	#2	1 m	46
Pc	Physocarpus capitatus / Pacific Ninebark	#2	1 m	30
Pm	Polystichum munitum / Western Sword 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 Spiraea	#2	0.8 m	46
Sa	Symphoricarpos albus / Common White Snowberry	#2	0.8 m	96
GRASSES				
P	Pennisetum alopecuroides 'Little Bunny' / Little Bunny Fountain Grass	#1	0.46 m	100
PERENNIAL				
B	Bergenia x 'Bressingham White' / Bressingham White Bergenia	#1	0.61 m	170
E	Echinacea x 'PAST02917' / PowWow® Wild Berry Coneflower	#1	0.46 m	129
S	Salvia nemorosa 'Caradonna' / Caradonna 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 BC LNA OR BC SLA 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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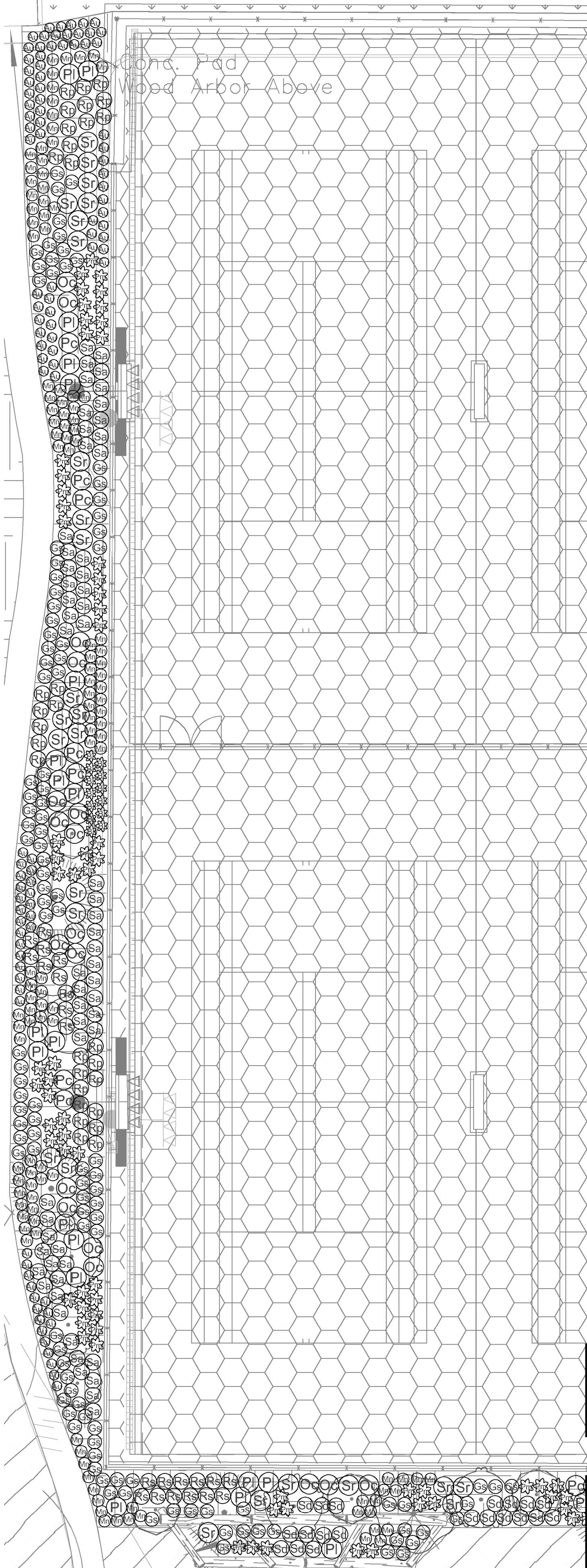
Project:
BURKE MOUNTAIN ATHLETIC PARK

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

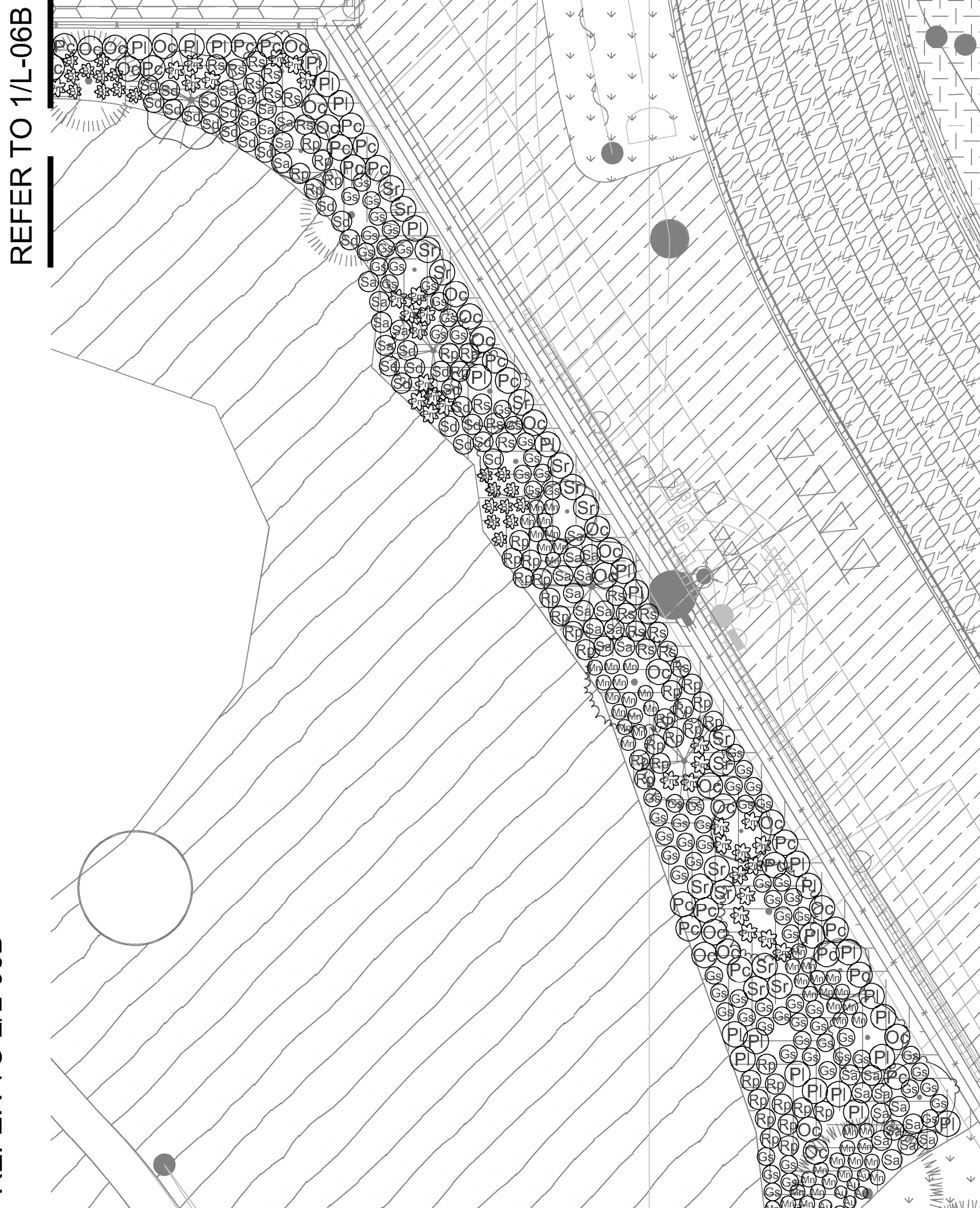
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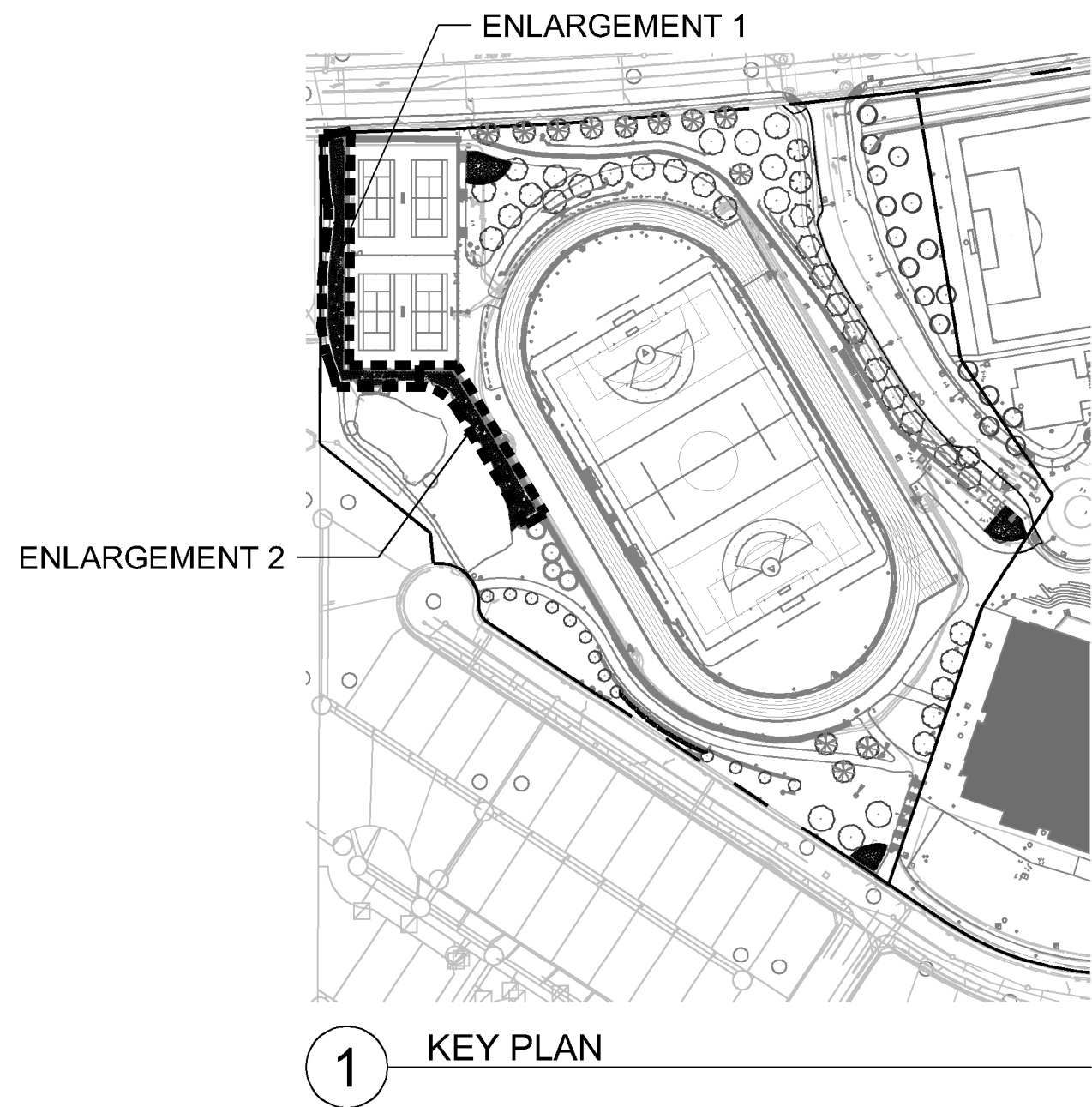
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1 LOW MAINTENANCE PLANTING ENLARGEMENT 1
Scale 1:150



2 LOW MAINTENANCE PLANTING ENLARGEMENT 2
Scale 1:150



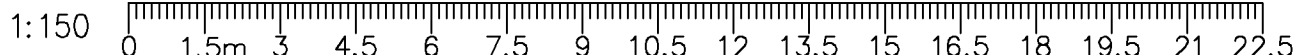
1 KEY PLAN

PLANT SCHEDULE

CODE	BOTANICAL / COMMON NAME	CONT	SPACING	QTY
SHRUBS				
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
ENVIRONMENTAL				
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	#1	0.7 m	197
Mn	Mahonia nervosa / Dull Oregon Grape	#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 capitatus / Pacific Ninebark	#2	1 m	36
Pm	Polydictum munitum / Western Sword 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
GRASSES				
P	Pennisetum alopecuroides 'Little Bunny' / Little Bunny Fountain Grass	#1	0.46 m	100
PERENNIAL				
B	Bergenia x 'Bressingham White' / Bressingham White Bergenia	#1	0.61 m	170
E	Echinacea x 'PAST02917' / PowWow® Wild Berry Coneflower	#1	0.46 m	129
S	Salvia nemorosa 'Caradonna' / Cardonna Meadow Sage	#1	0.46 m	106

PLANTING NOTES

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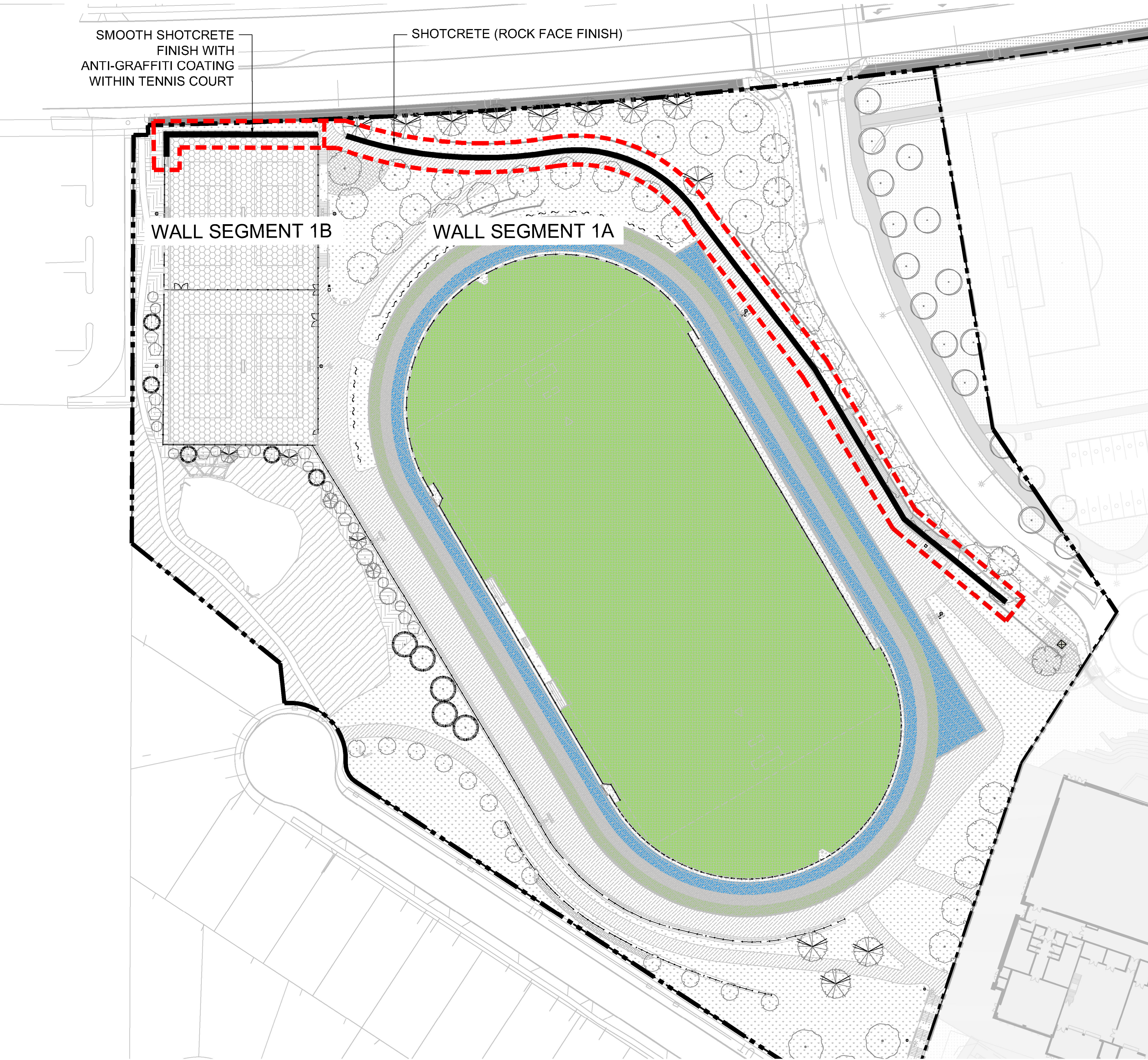
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REVISIONS TABLE FOR SHEET			

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

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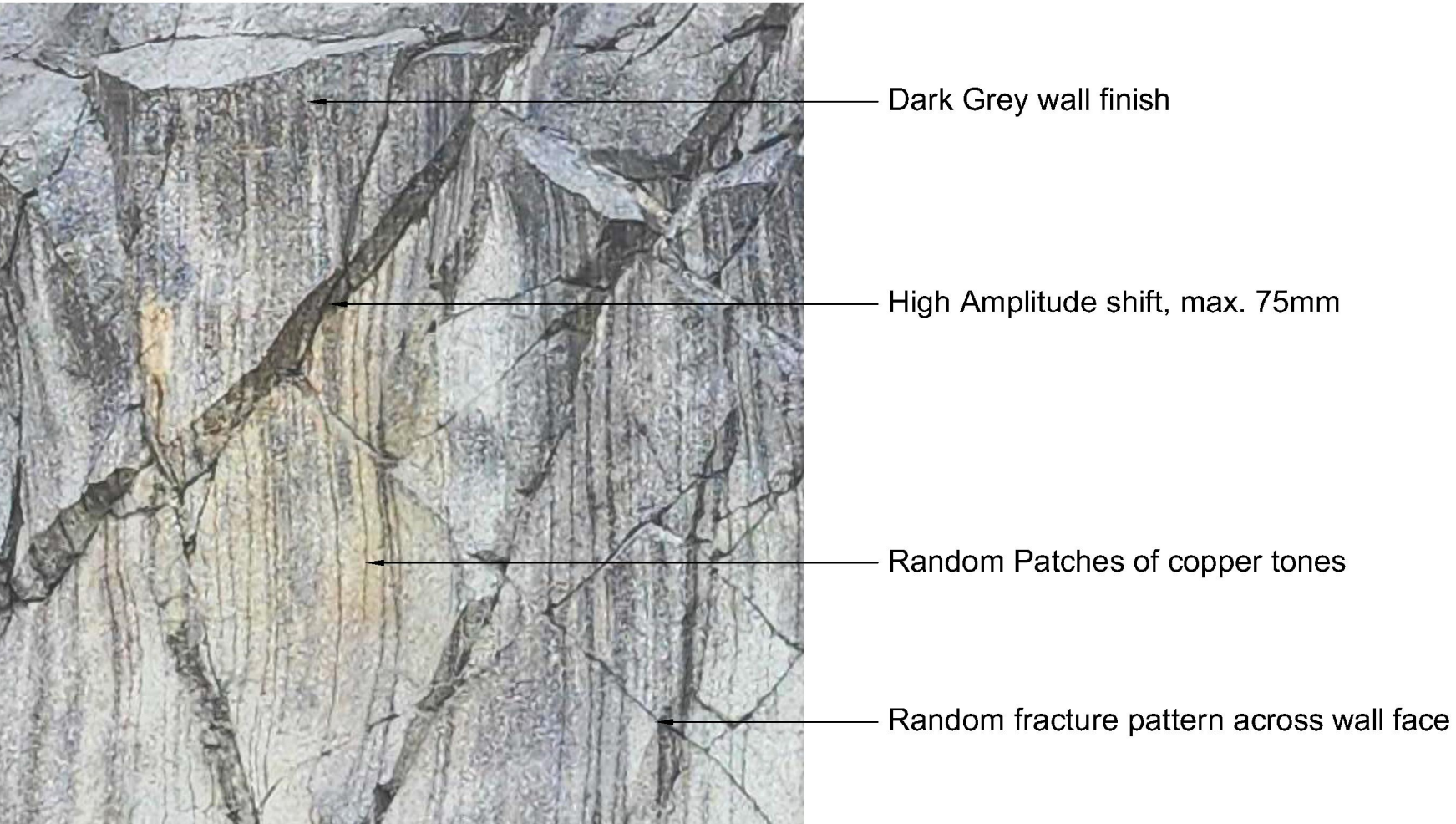
OVERALL APPEARANCE



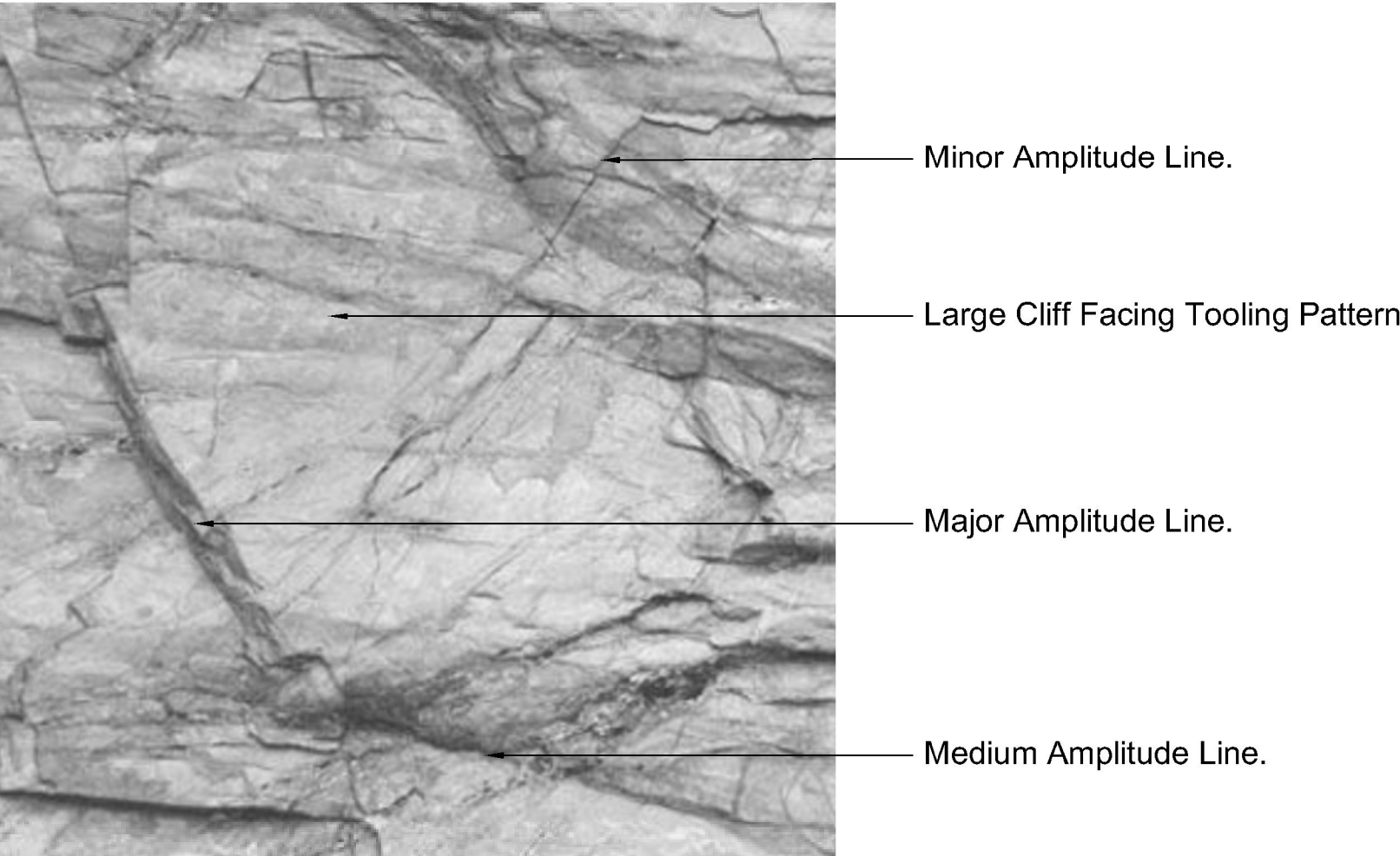
- ROCK FACE SHOTCRETE FINISH
1. TEXTURE: MIXED SHOTCRETE WITH ROCK FACING TOOLING LARGE PATTERNING. TEXTURE MUST NOT HAVE REPEATING PATTERNS ALONG A CONTINUOUS FACE.
 2. AMPLITUDE: UP TO 75MM
 3. COLOURS: DARK GREY WITH COPPER TONES

- 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.

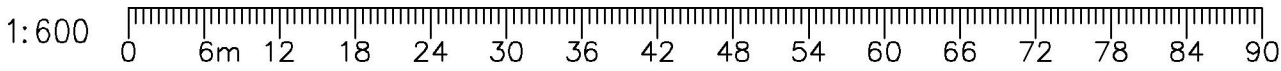
DETAIL - APPREARANCE



DETAIL - TEXTURE



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



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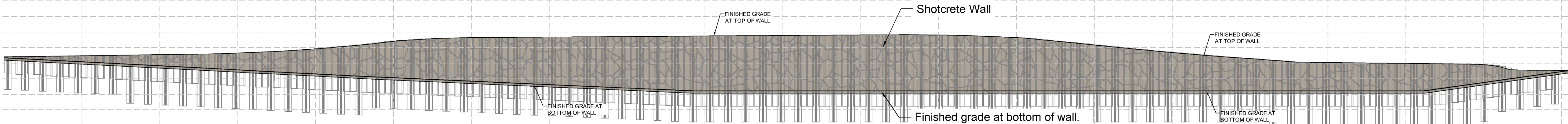
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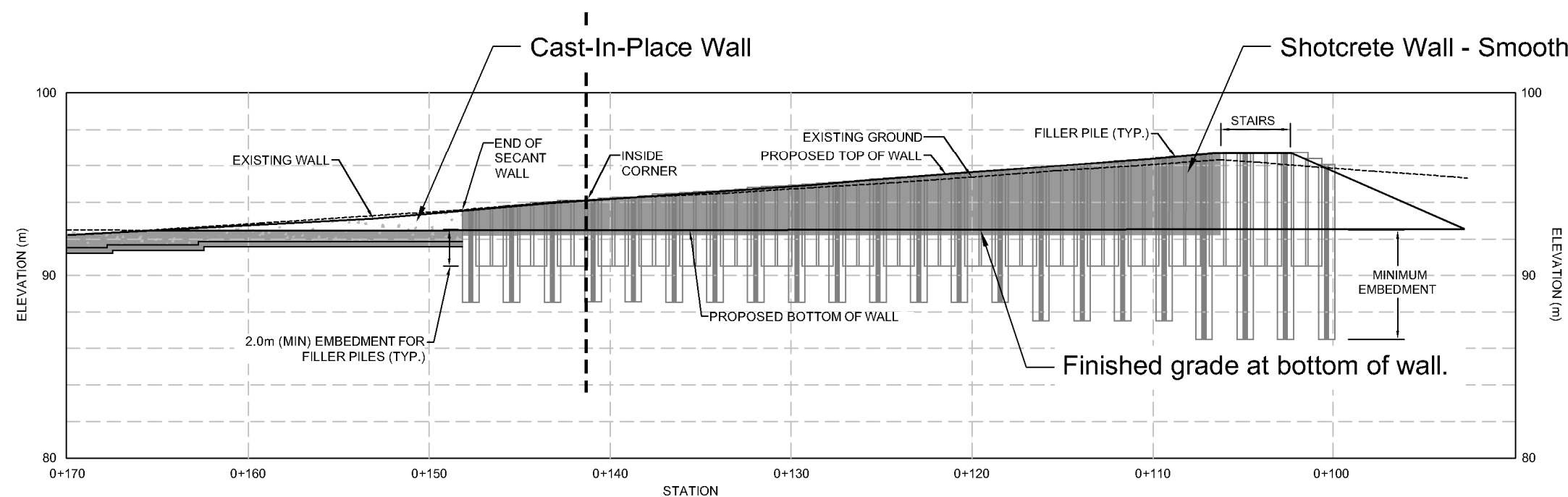
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BURKE MOUNTAIN ATHLETIC PARK
Location:
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COQUITLAM, B.C.

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1A SPORTS FIELD SECANT WALL - ROCK FACE FINISH - SEGMENT 2A
Scale 1:300



1B TENNIS COURT SECANT WALL - SMOOTH FACE FINISH - SEGMENT 2B
Scale 1:300

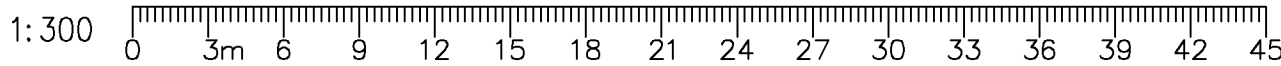
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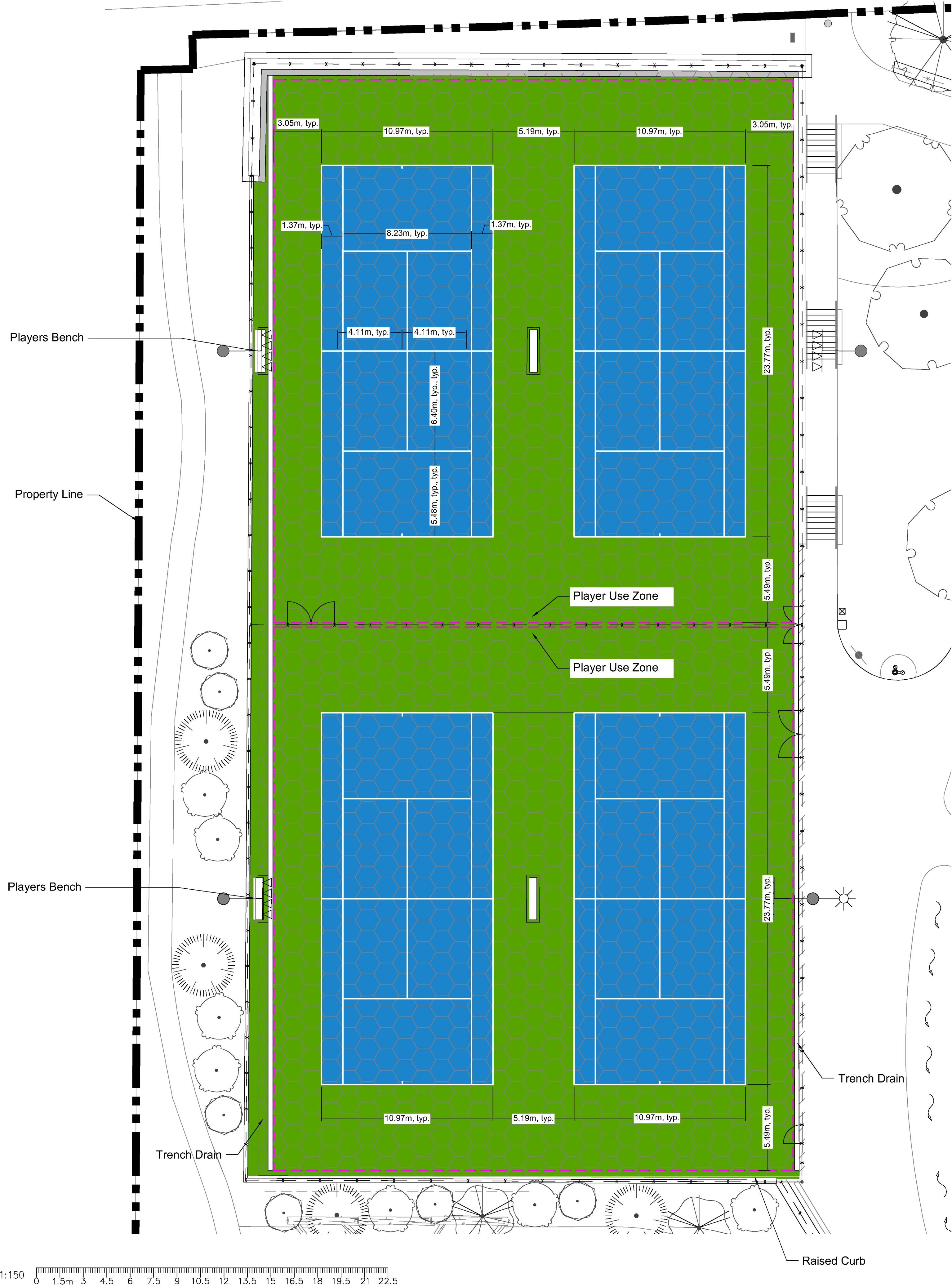
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PLAY SURFACING SCHEDULE

SYMBOL	CODE	DESCRIPTION	DETAIL
PAVEMENT			
	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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- PRIORITY OF LINES:**
1. SOCCER - WHITE
 2. LACROSSE - BLUE
 3. FIELD HOCKEY - YELLOW

PLAY SURFACING SCHEDULE

SYMBOL	CODE	DESCRIPTION
PAVEMENT		
	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

VDZ+A
LANDSCAPE ARCHITECTURE | CIVIL ENGINEERING | URBAN FORESTRY

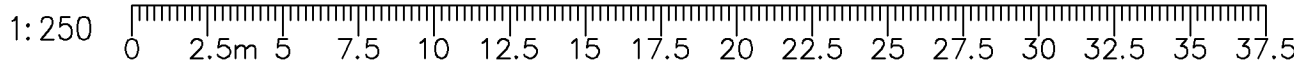
FORT LANGLEY STUDIO | MOUNT PLEASANT STUDIO
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Fort Langley, BC Vancouver, BC
VLM 288 VST 317
www.vdz.ca 604-882-0024

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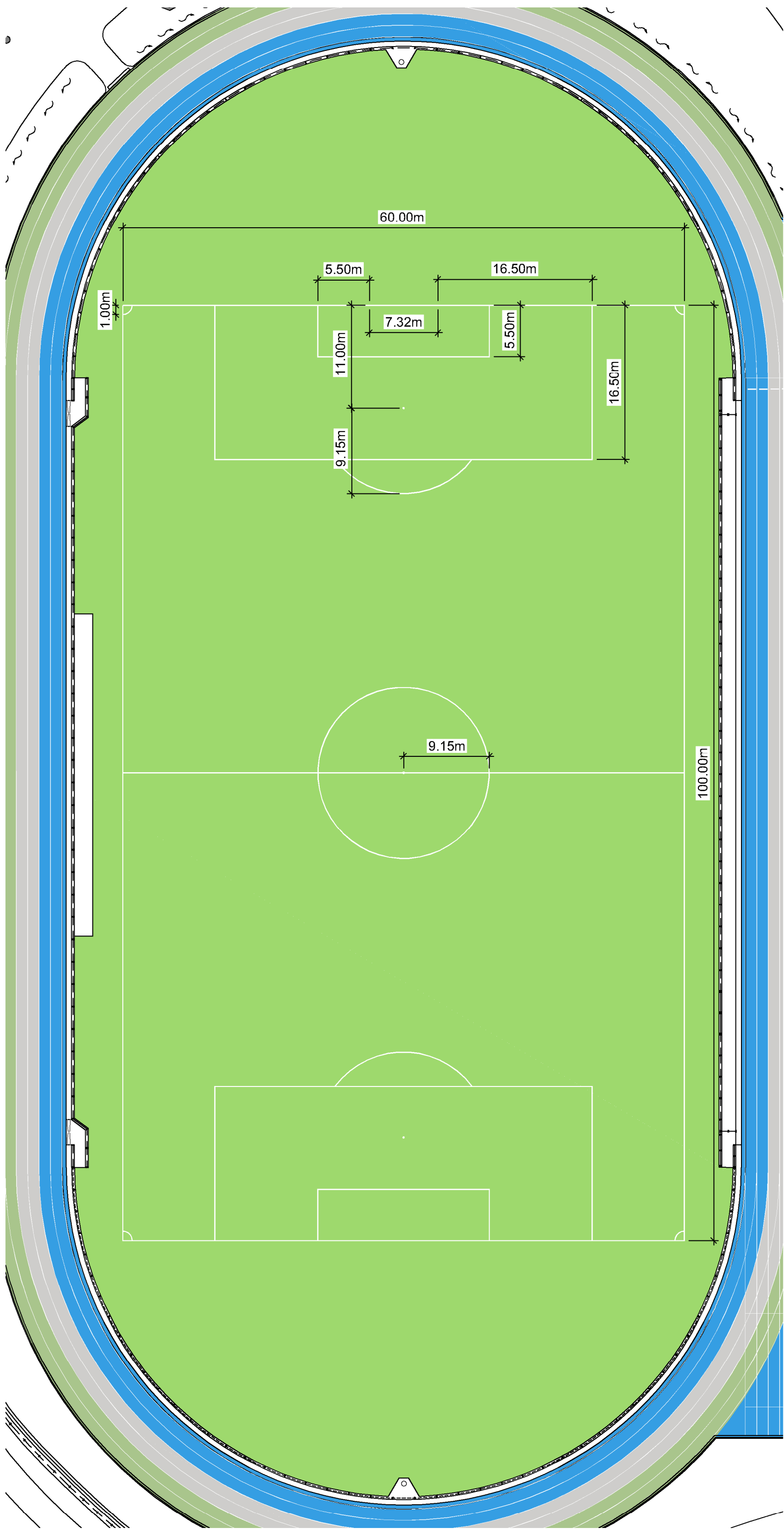
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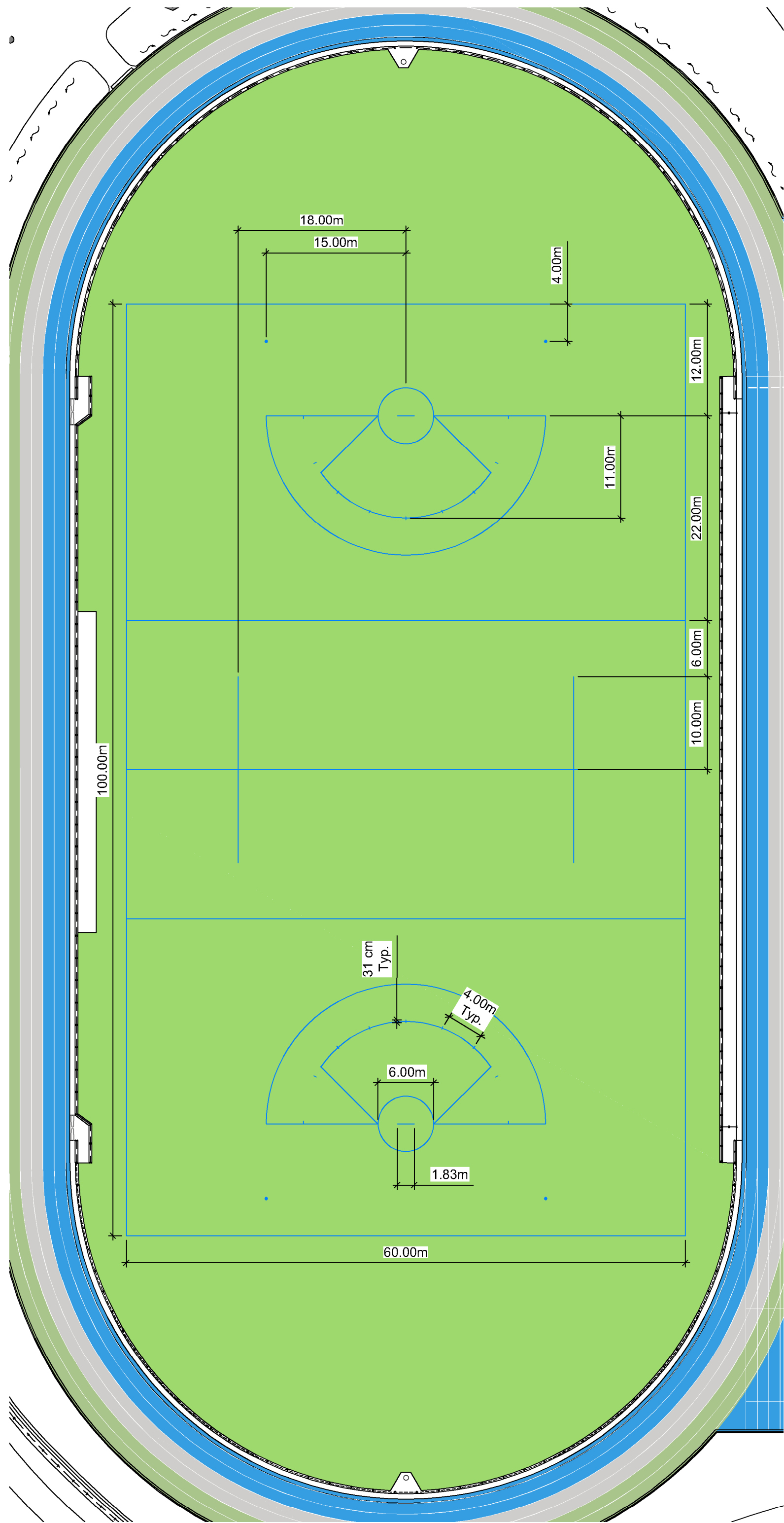


1 SOCCER DIMENSIONING PLAN
Scale 1:400

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

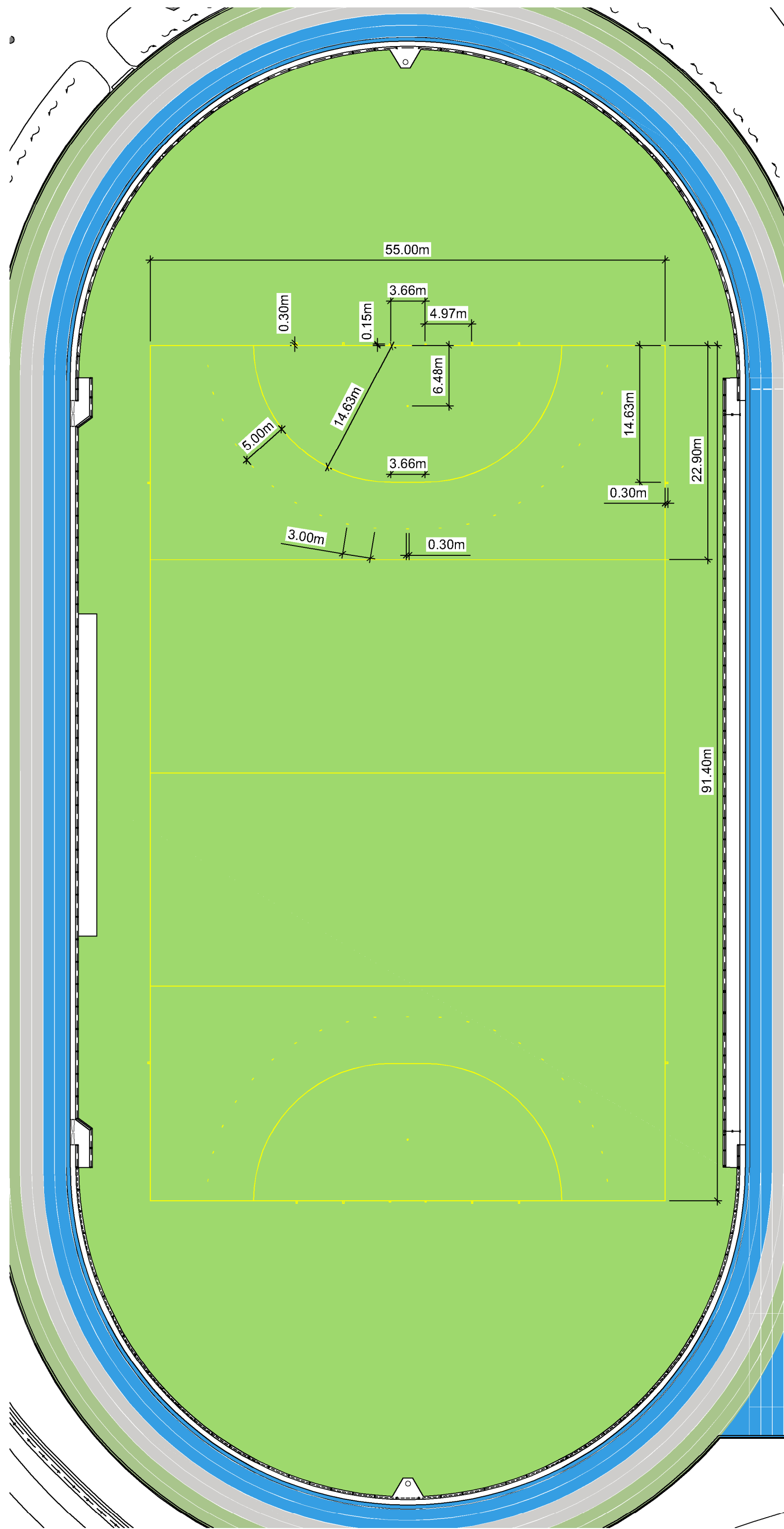
PLAY SURFACING SCHEDULE

SYMBOL	CODE	DESCRIPTION
PAVEMENT		
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	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



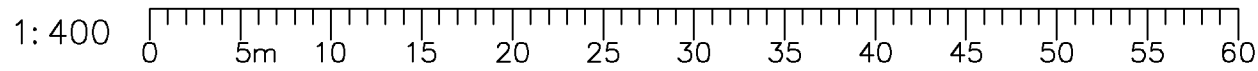
2 LACROSSE DIMENSIONING PLAN
Scale 1:400

- 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.



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Project:

BURKE MOUNTAIN ATHLETIC PARK

Location:

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

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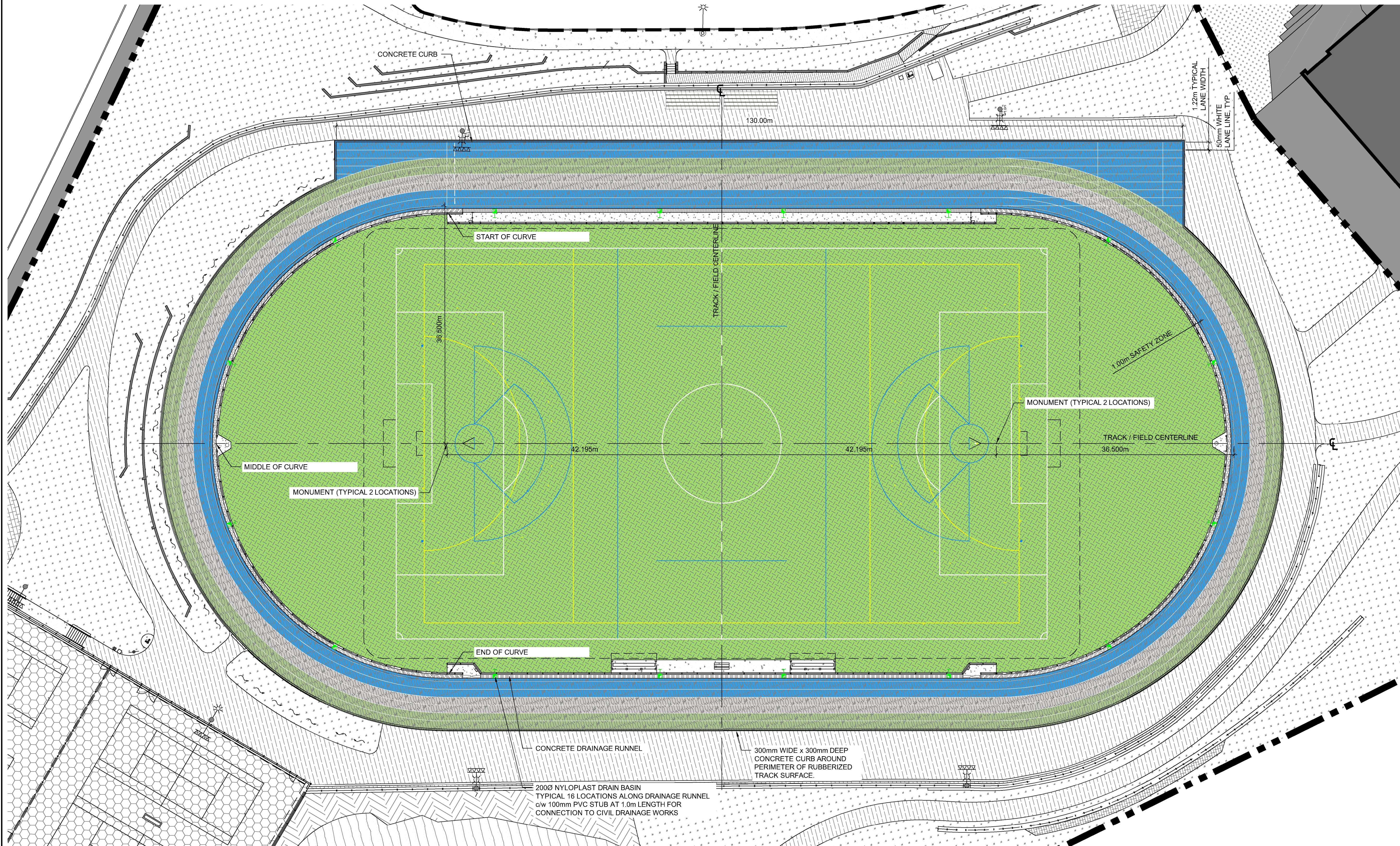
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No.	By:	Description	Date

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

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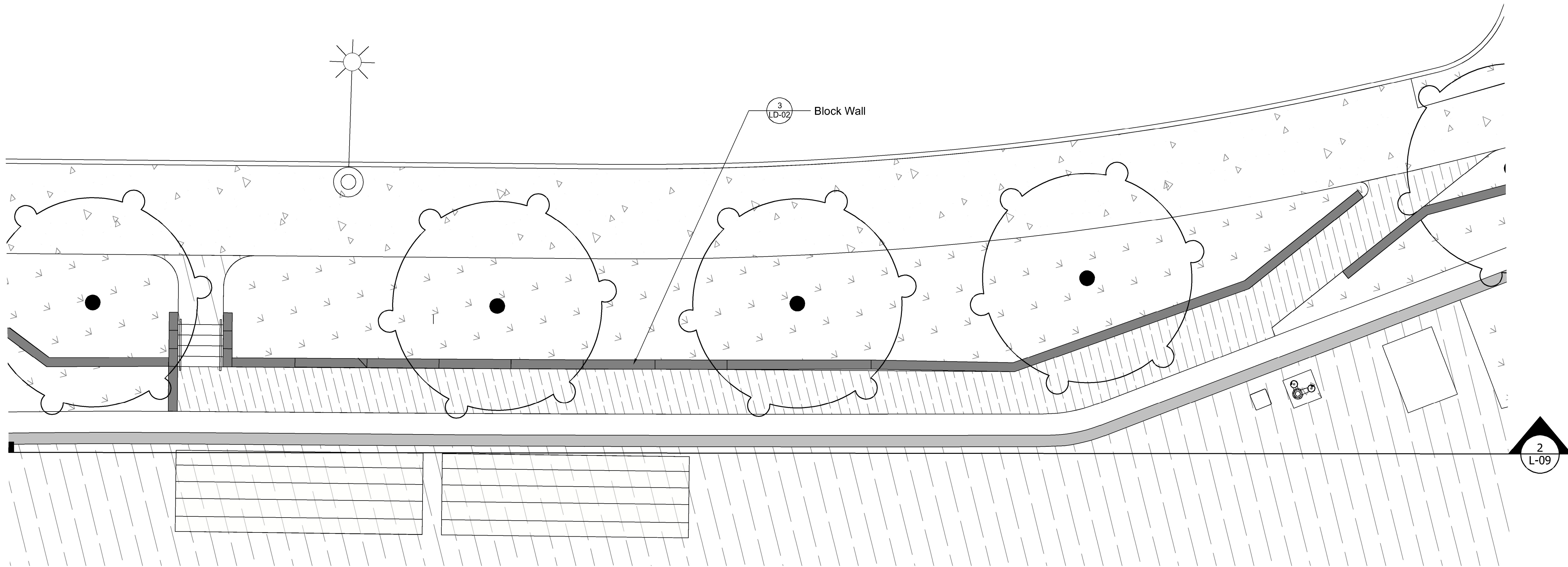
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SYMBOL	CODE	DESCRIPTION
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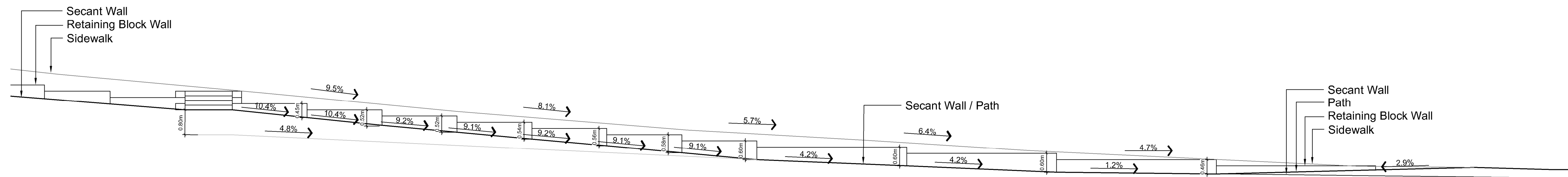
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	PS-102	ACRYLIC SURFACING : BLUE Pantone 301
	PS-103	ARTIFICIAL TURF : GREEN
	PS-104	RUBBER TRACK SURFACING : BLUE
	PS-105	RUBBER TRACK SURFACING : GREY
	PS-106	RUBBER TRACK SURFACING : GREEN

1:300 0 3m 6 9 12 15 18 21 24 27 30 33 36 39 42 45



1 OVERLOOK PLAN

Scale 1:75



2 OVERLOOK ELEVATION

Scale 1:75

12	TM	Issued for RFP	May 05, 2025
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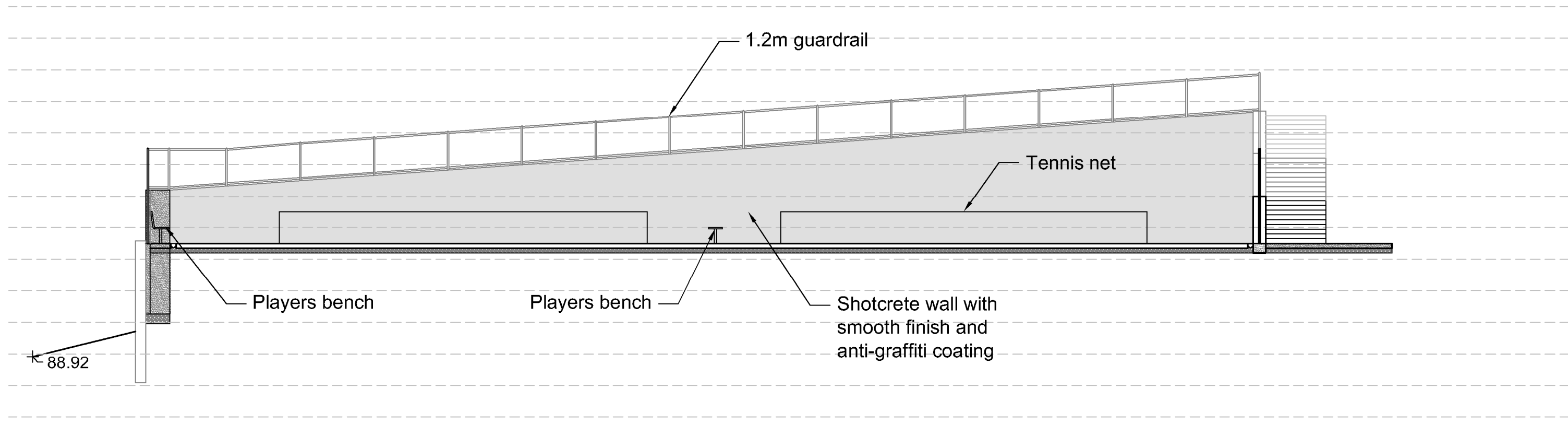
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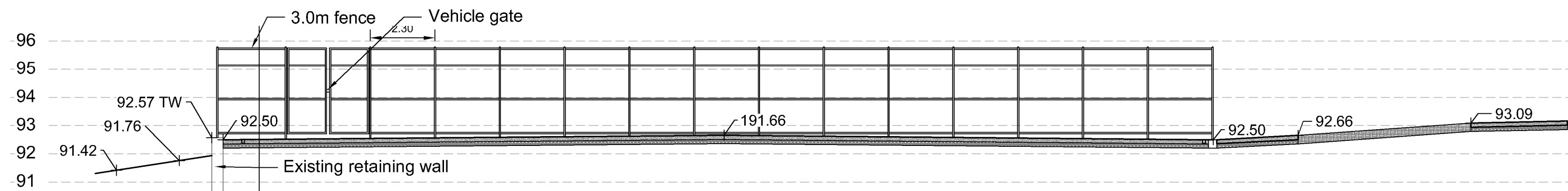
VDZ Project #:
PR2023-04

Drawing #:
L-09

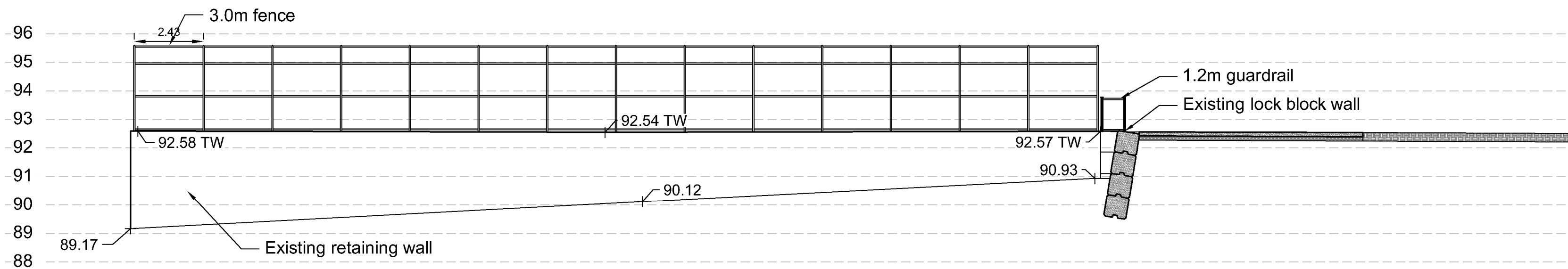
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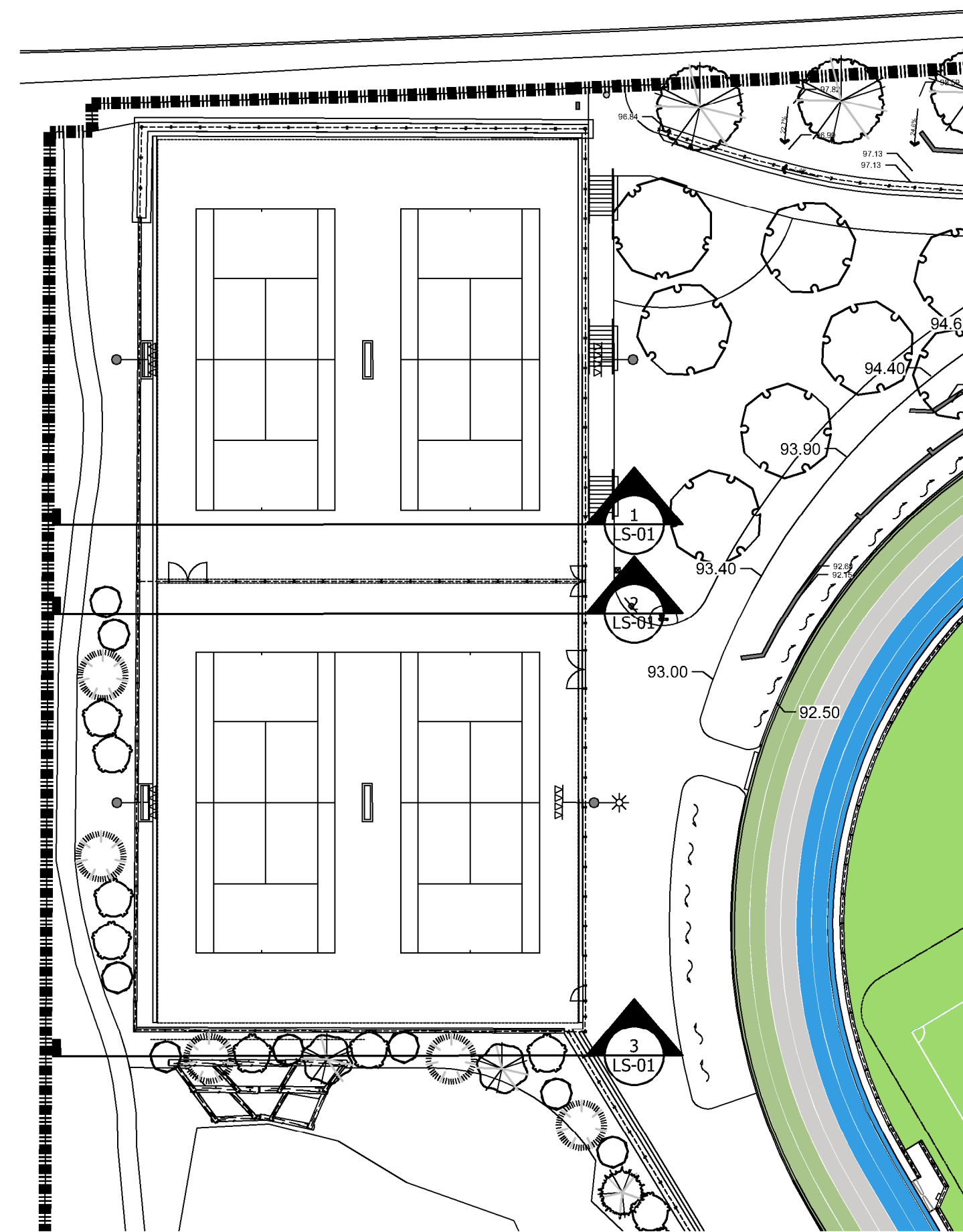
1 FACING NORTH - NORTH HALF OF TENNIS COURT
Scale 1:125



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



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



0 SITE PLAN
Scale 1:400

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Location:

3390 & 3400 DAVID AVENUE,
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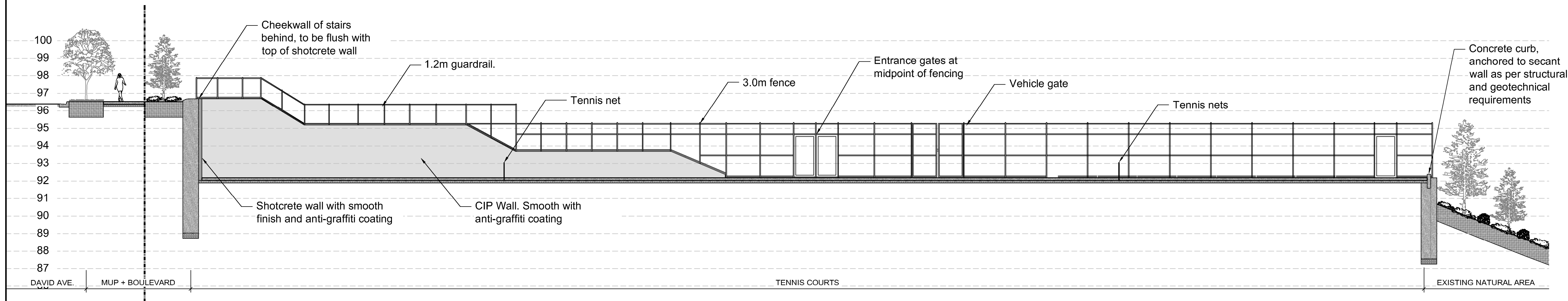
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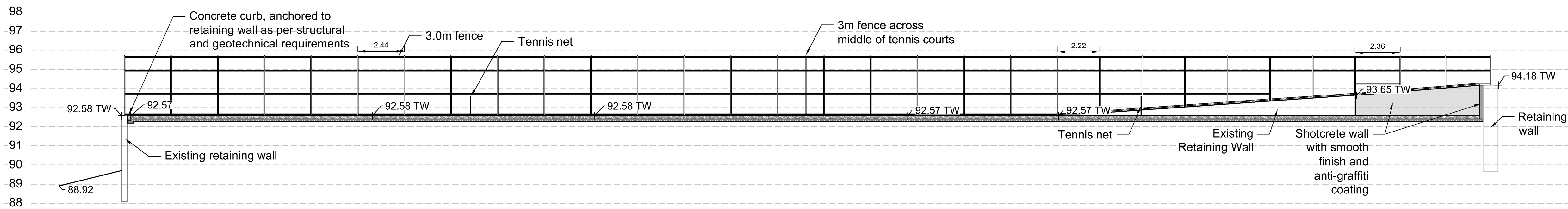
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PR2023-04

Drawing #:
LS-01



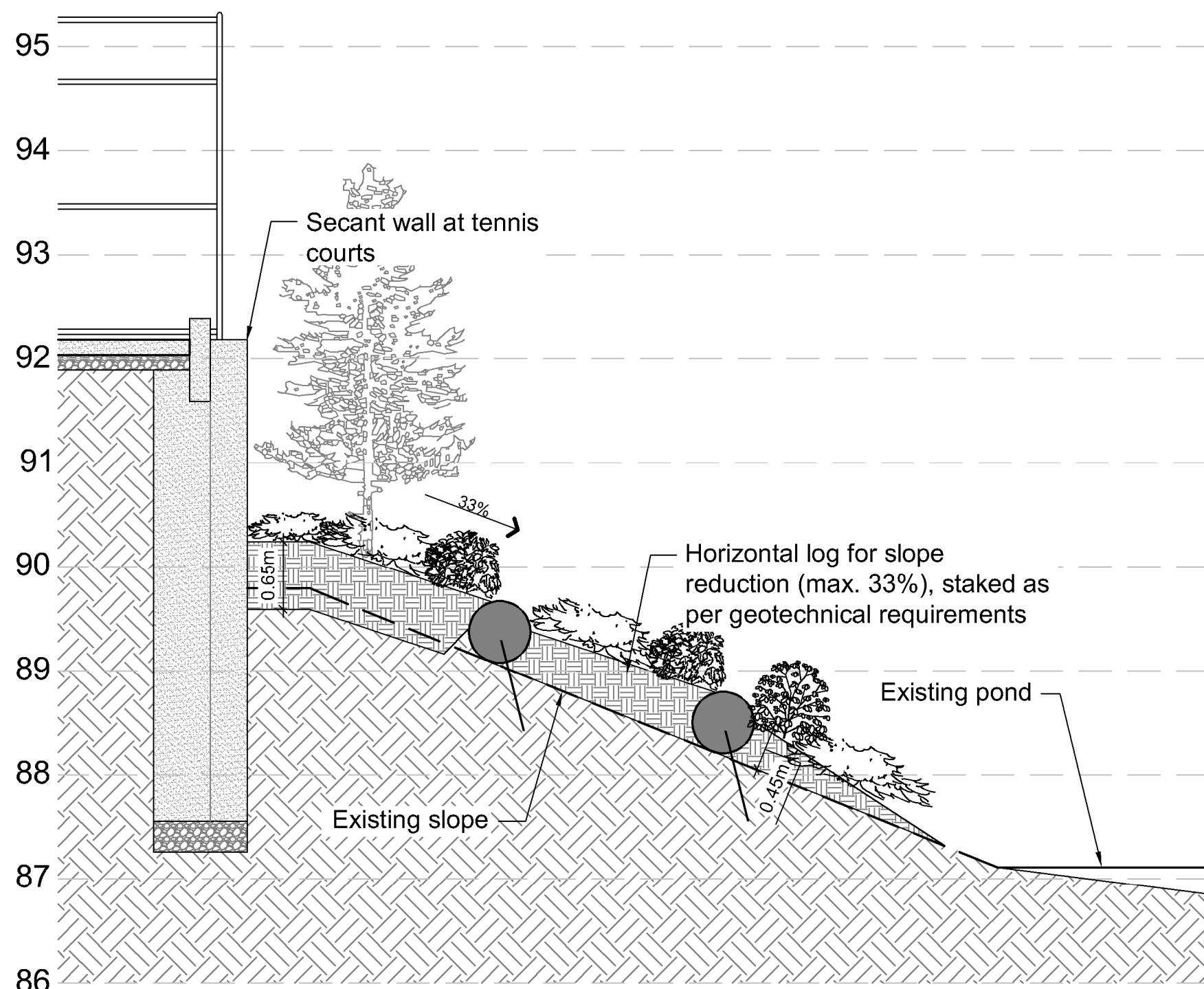
1 NORTH SOUTH THROUGH TENNIS COURT

Scale 1:125



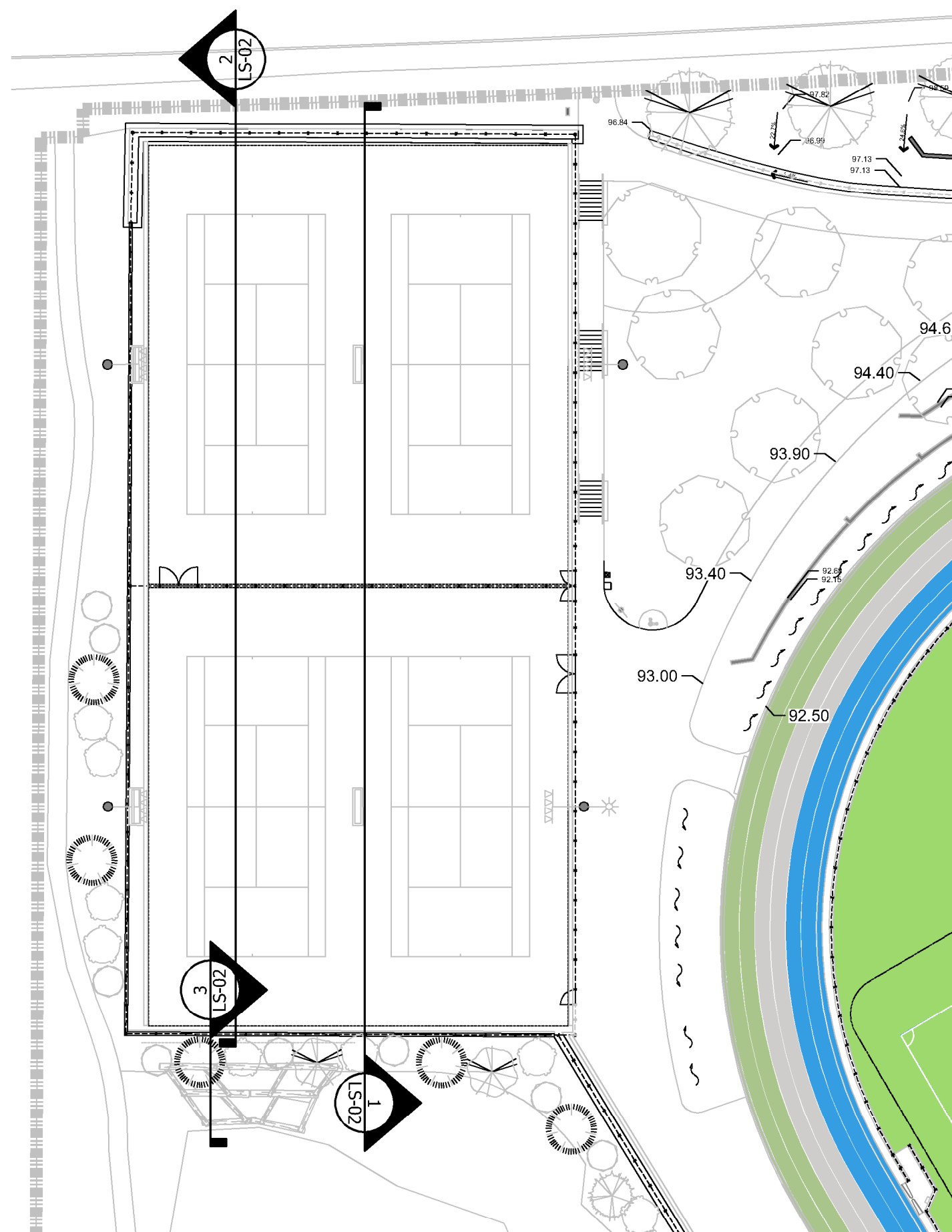
2 SOUTH NORTH TENNIS COURT SECTION

Scale 1:125



3 SLOPE REDUCTION AT EXISTING POND

Scale 1:50



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BURKE MOUNTAIN ATHLETIC PARK

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3390 & 3400 DAVID AVENUE,
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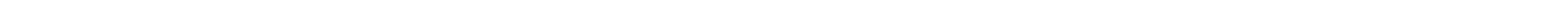
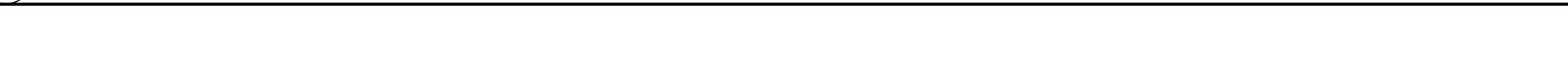
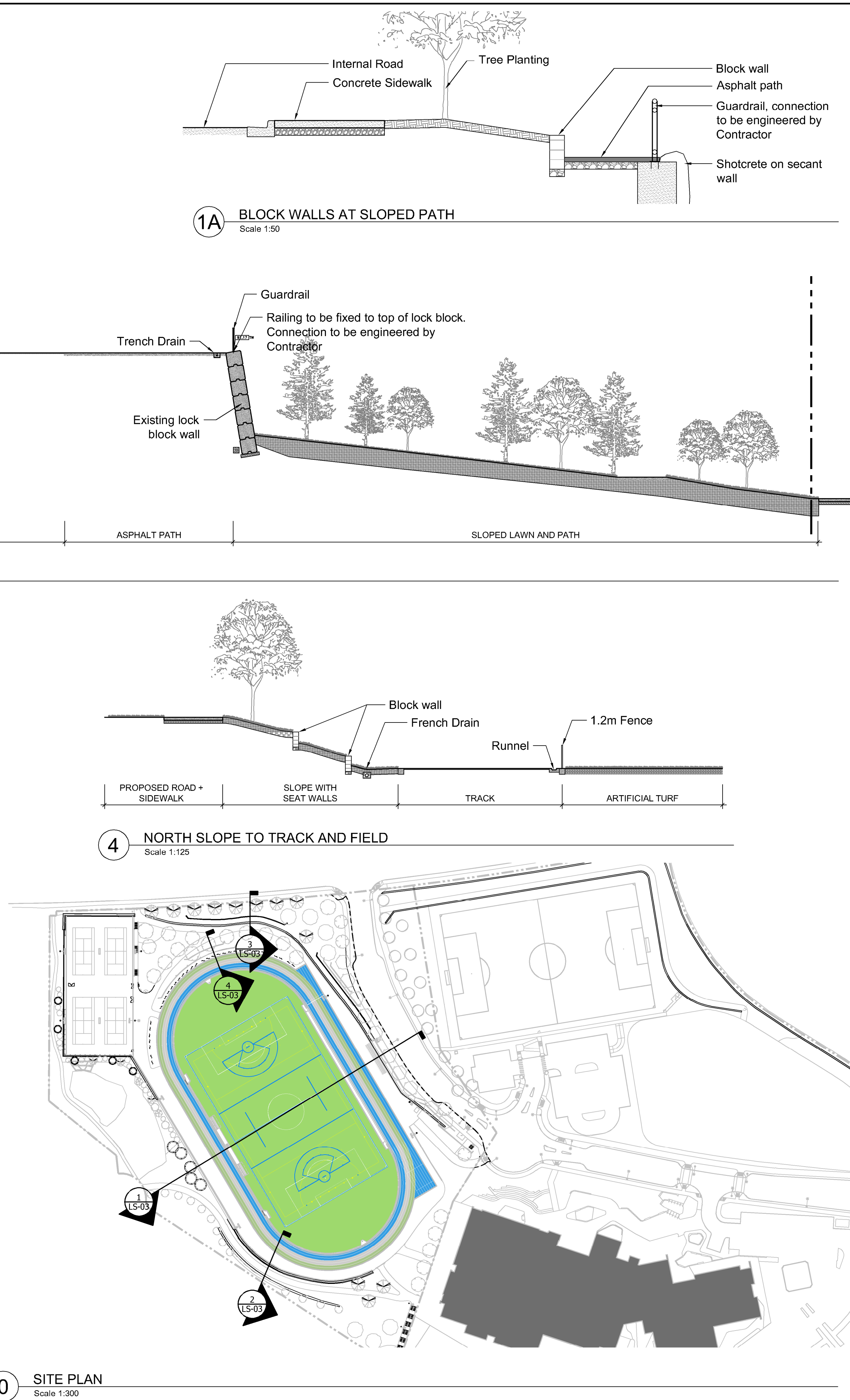
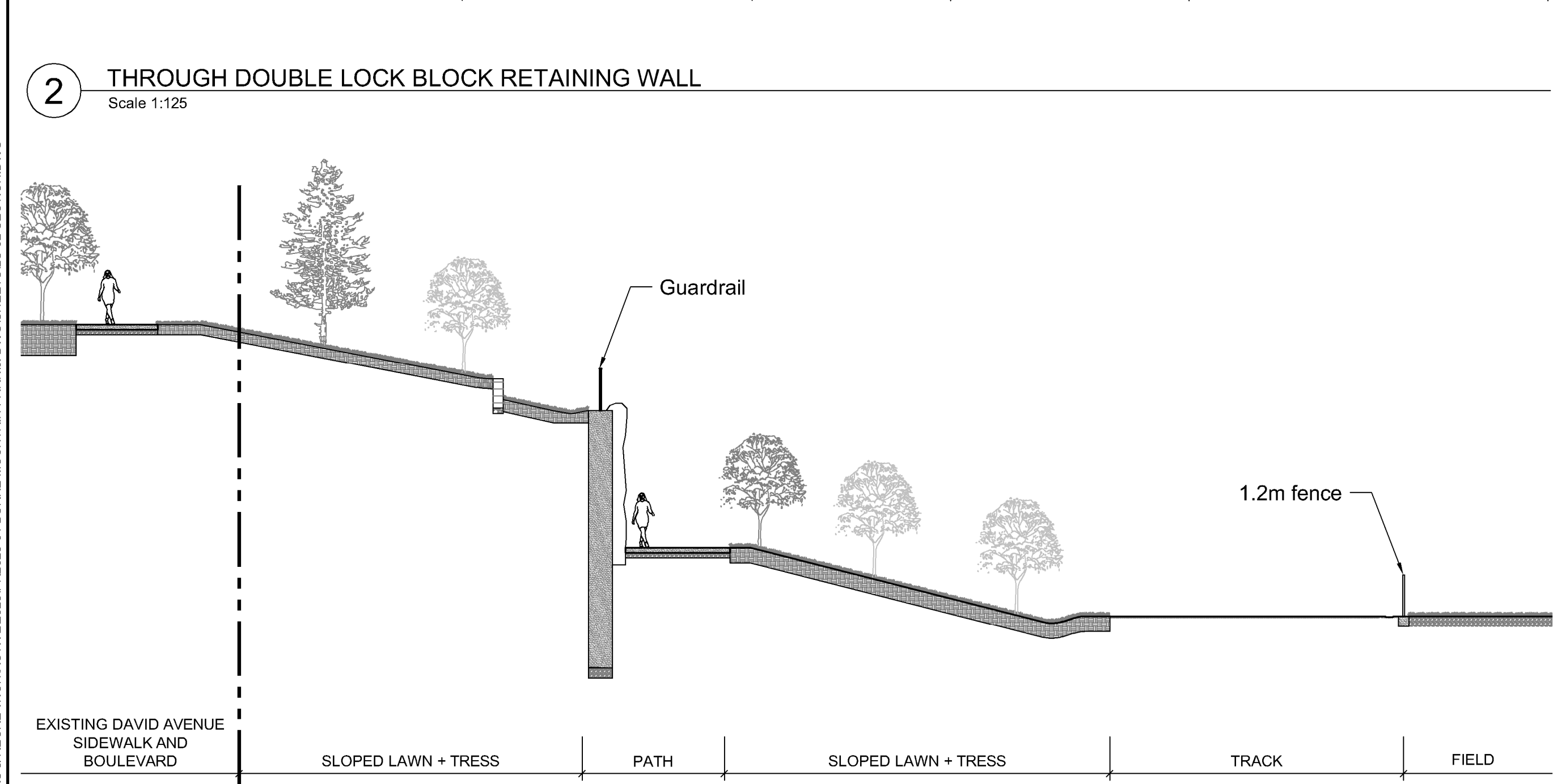
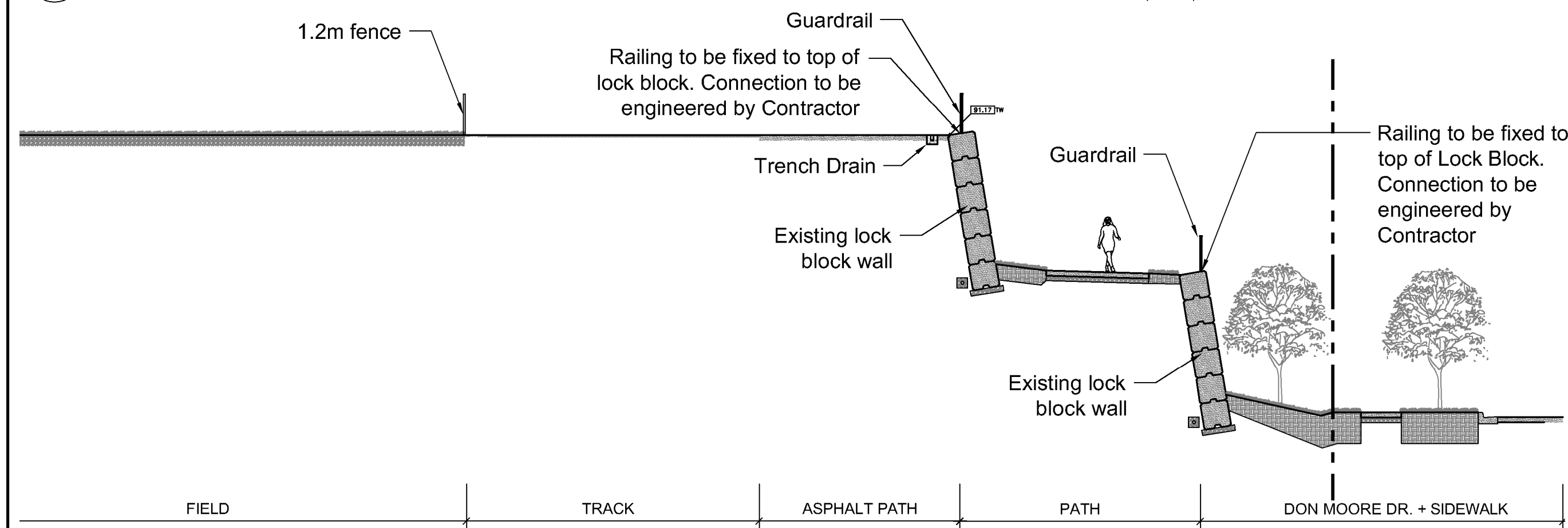
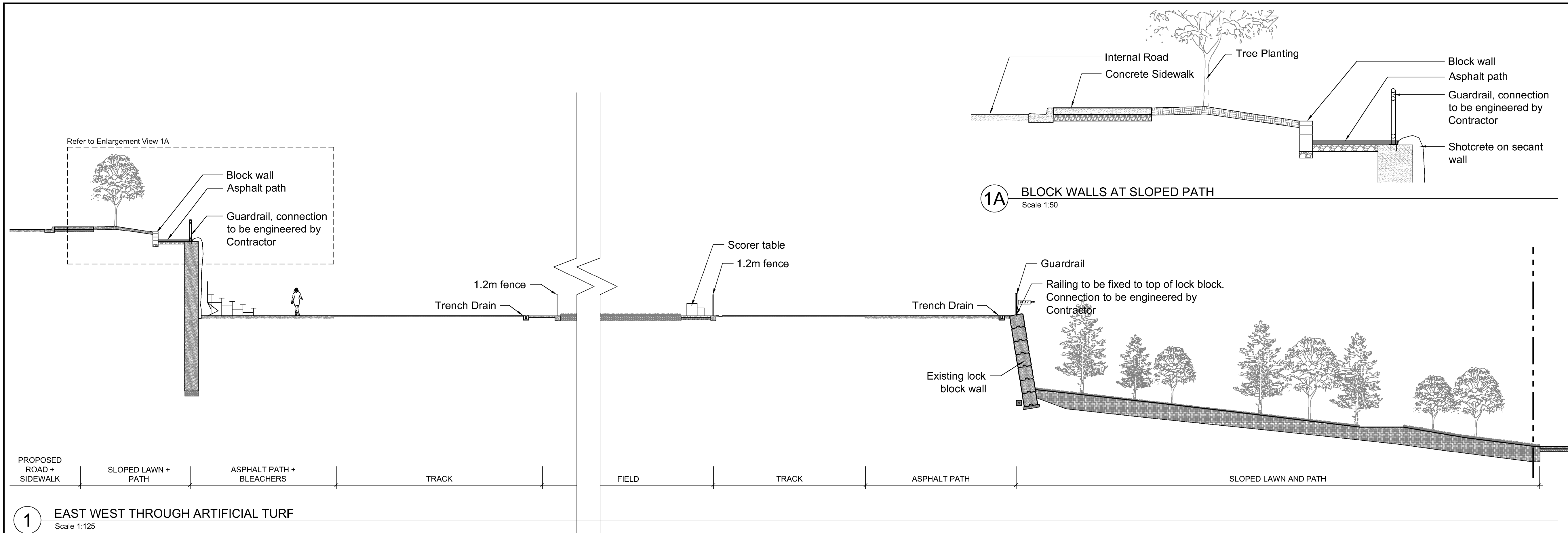
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SECTIONVDZ Project #:
PR2023-04Drawing #:
LS-02



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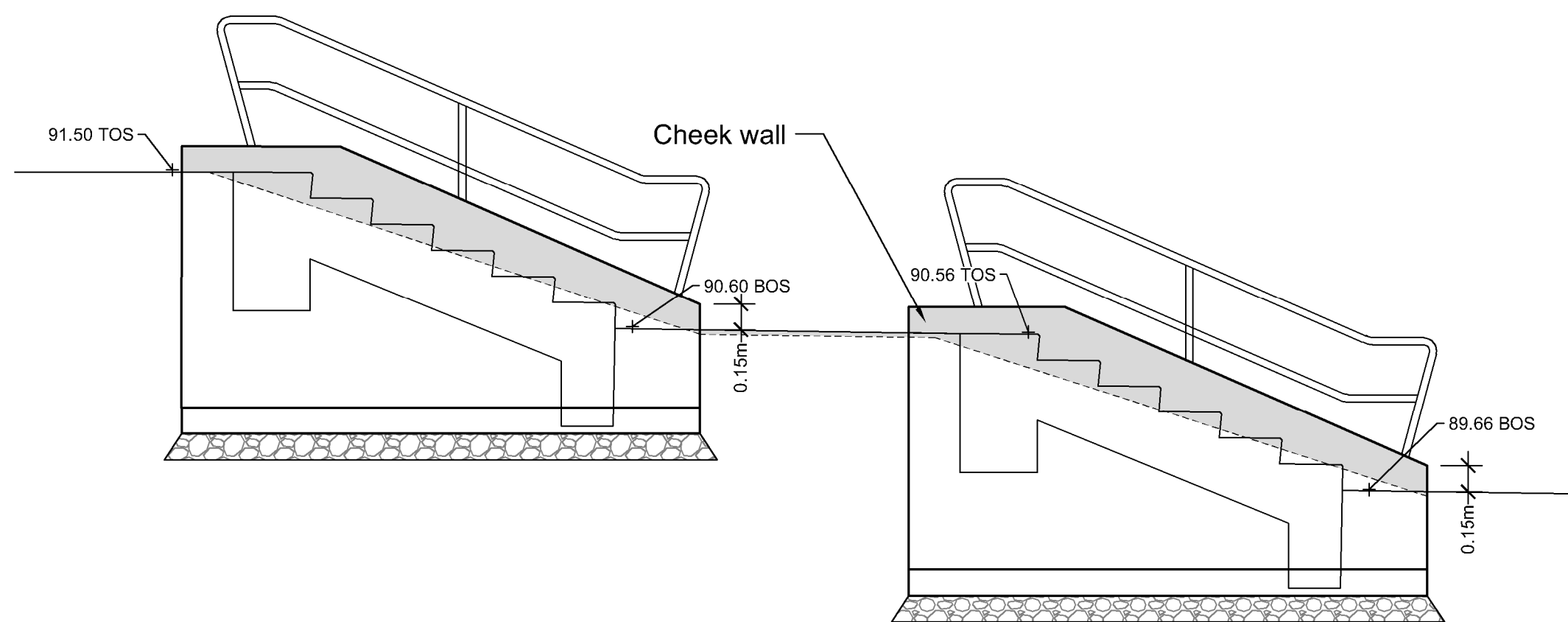
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BURKE MOUNTAIN ATHLETIC PARK

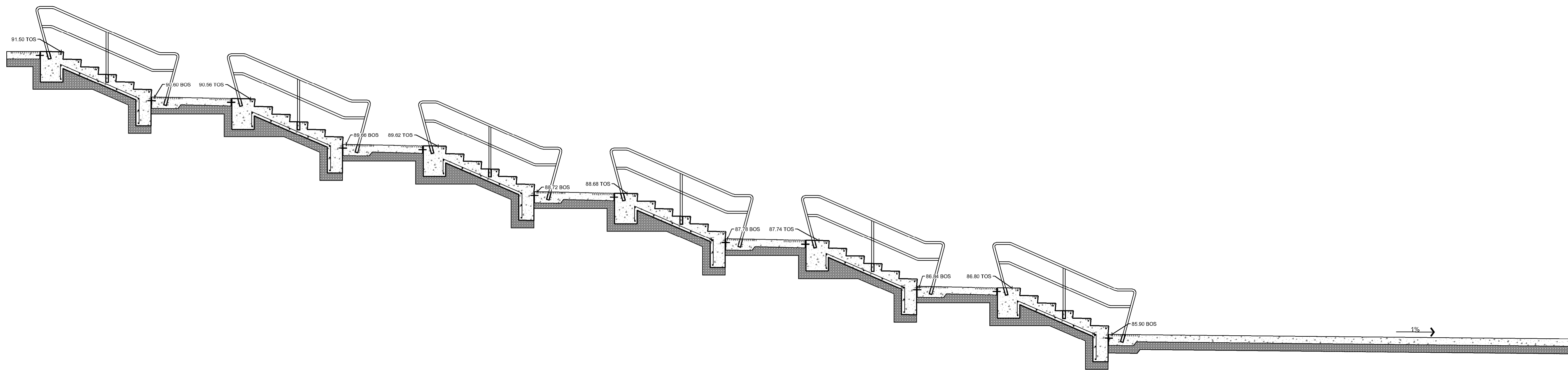
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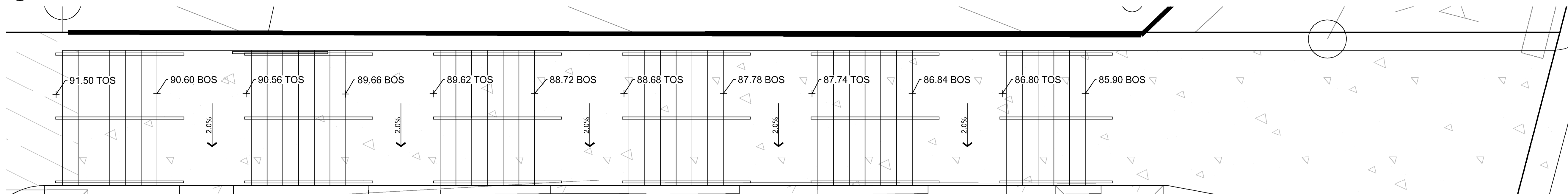
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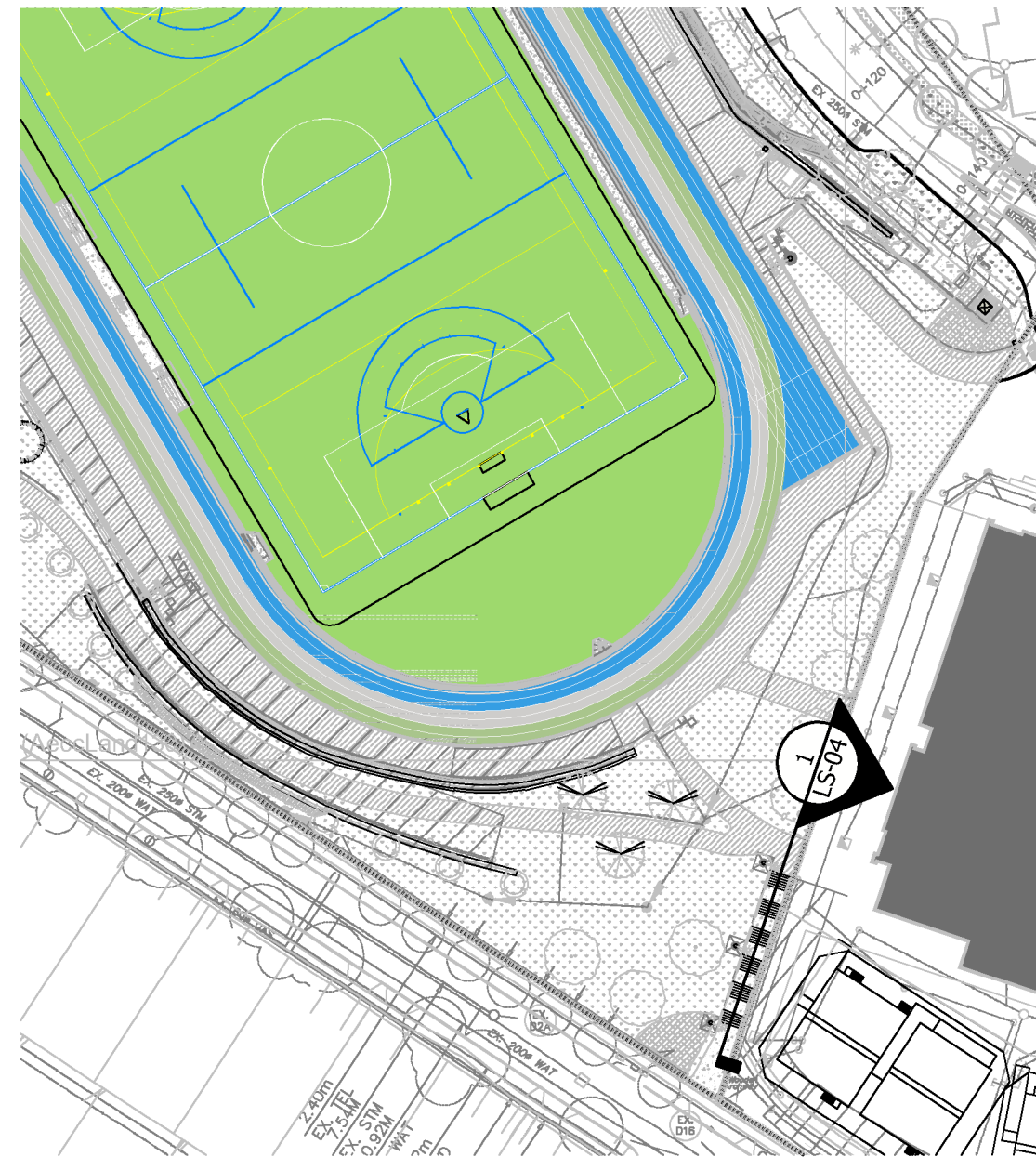
1 STAIR ELEVATION - TYPICAL CHEEK WALL AND GRADING
Scale 1:50



2 STAIR SECTION
Scale 1:50



3 STAIR ENLARGEMENT PLAN
Scale 1:50




0 SITE PLAN
Scale 1:1000

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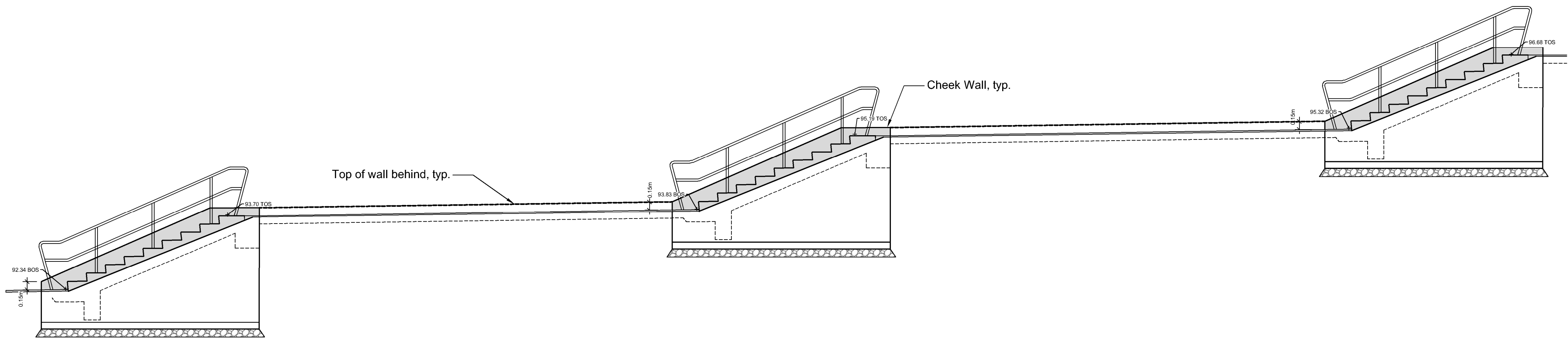
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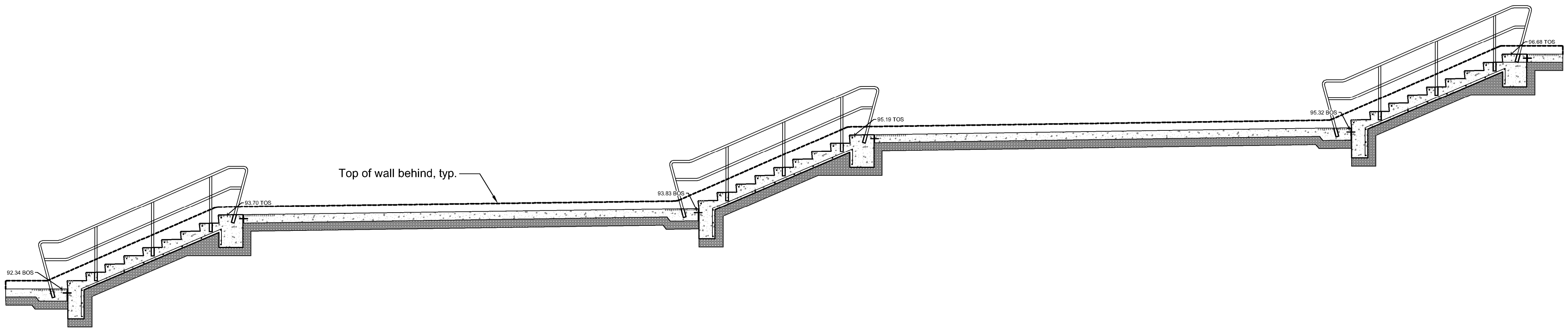
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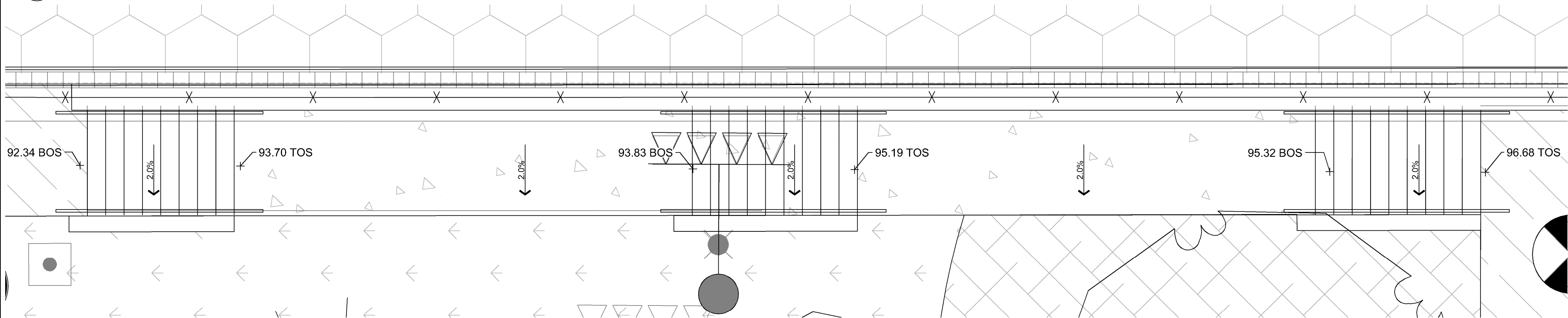
0 SITE PLAN
Scale 1:2000



1 STAIR ELEVATION
Scale 1:50



2 STAIR SECTION
Scale 1:50



3 STAIR ENLARGEMENT PLAN
Scale 1:50

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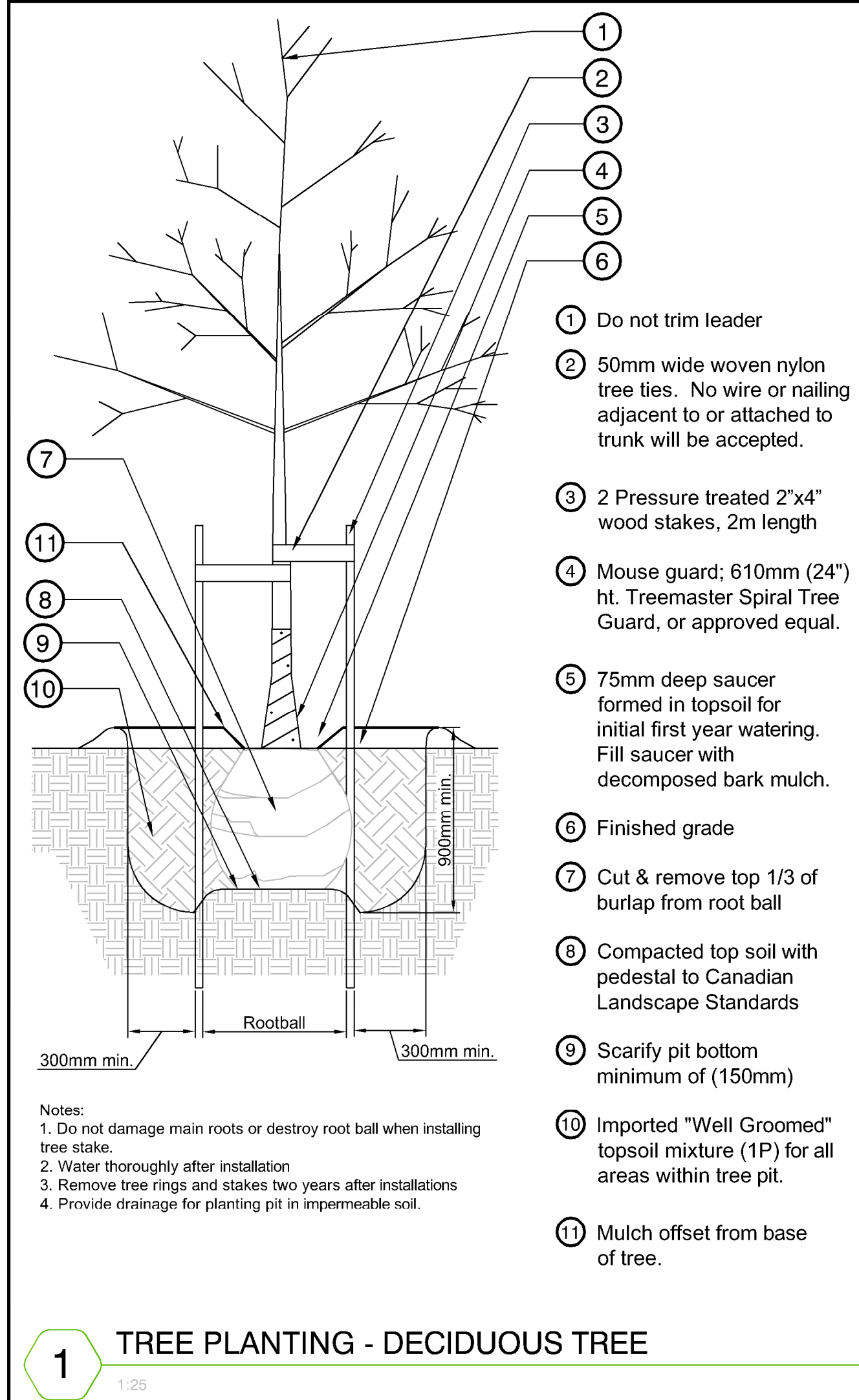
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Drawing Title:
SECTION

VDZ Project #:
PR2023-04

Drawing #:
LS-05

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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.

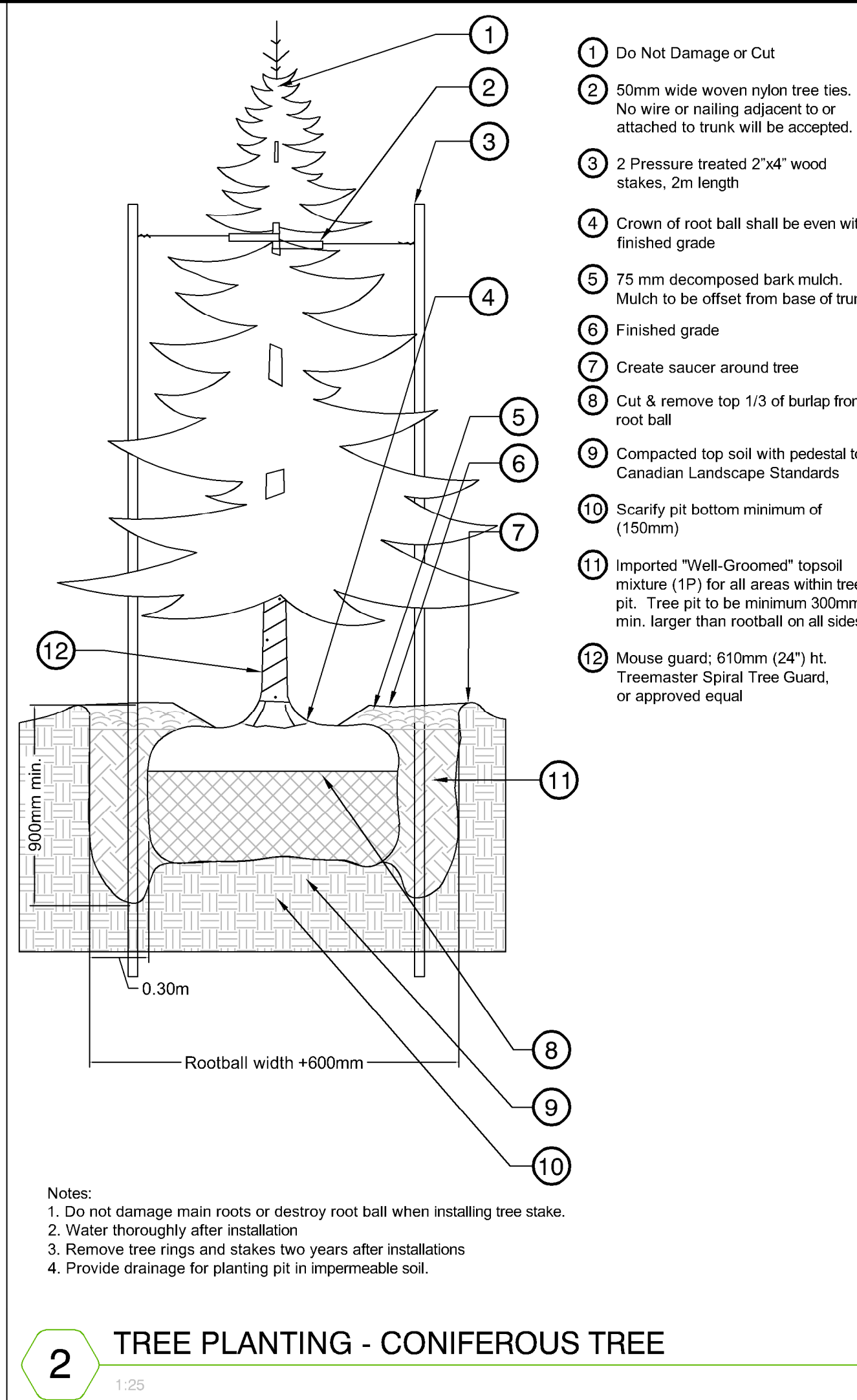
Notes:

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

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

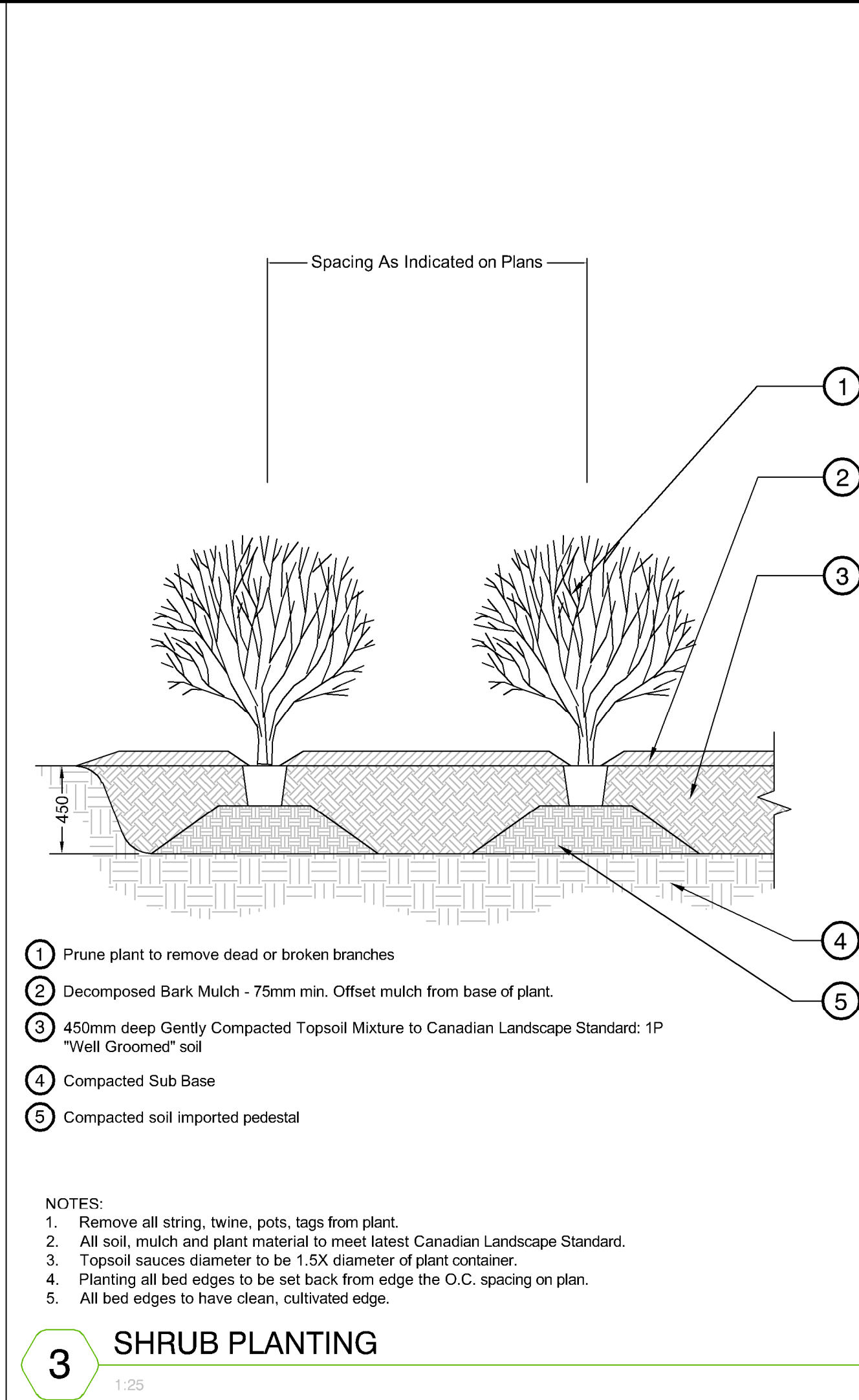
Notes:

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

2

TREE PLANTING - CONIFEROUS TREE

1:25



Spacing As Indicated on Plans

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

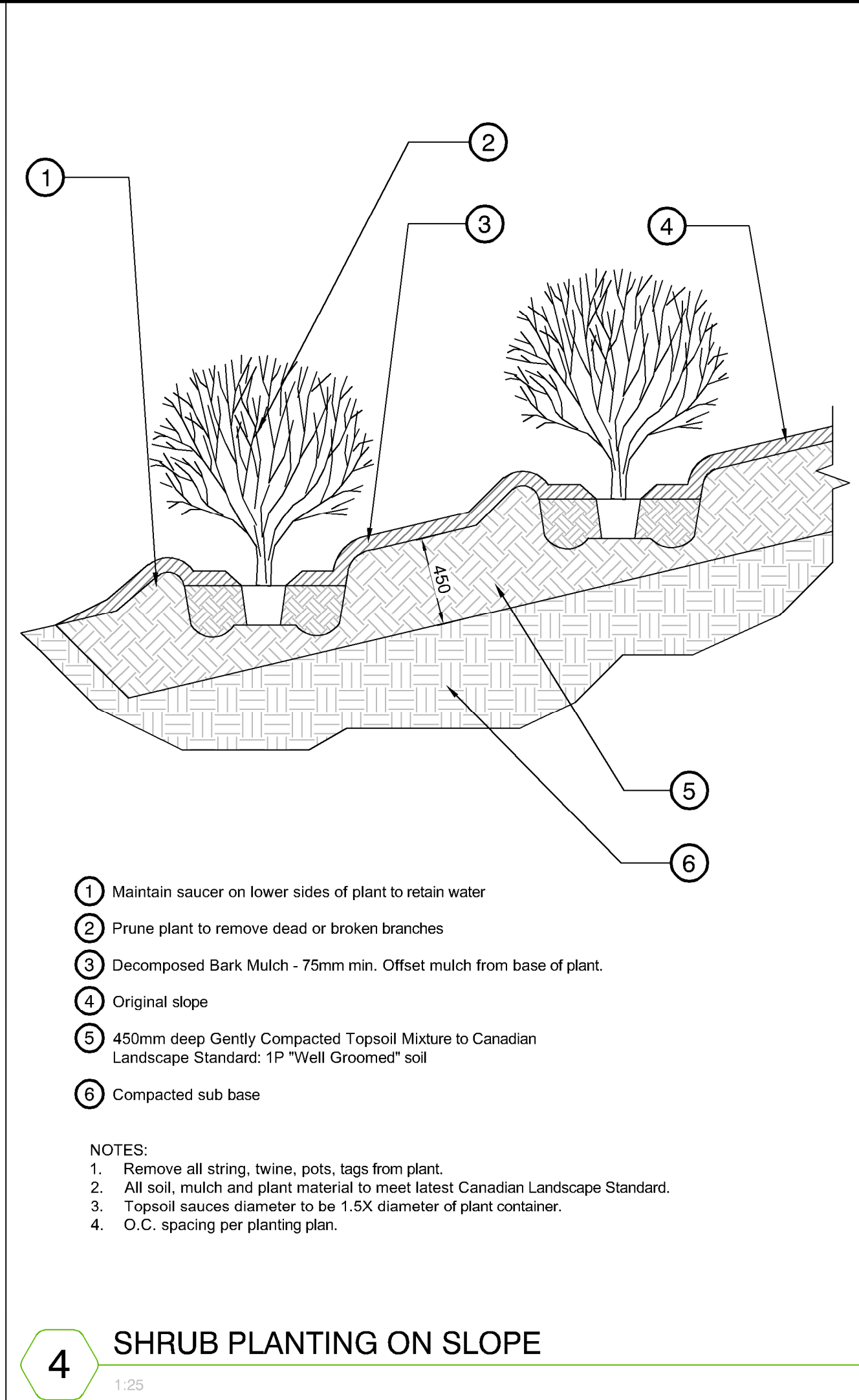
NOTES:

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

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

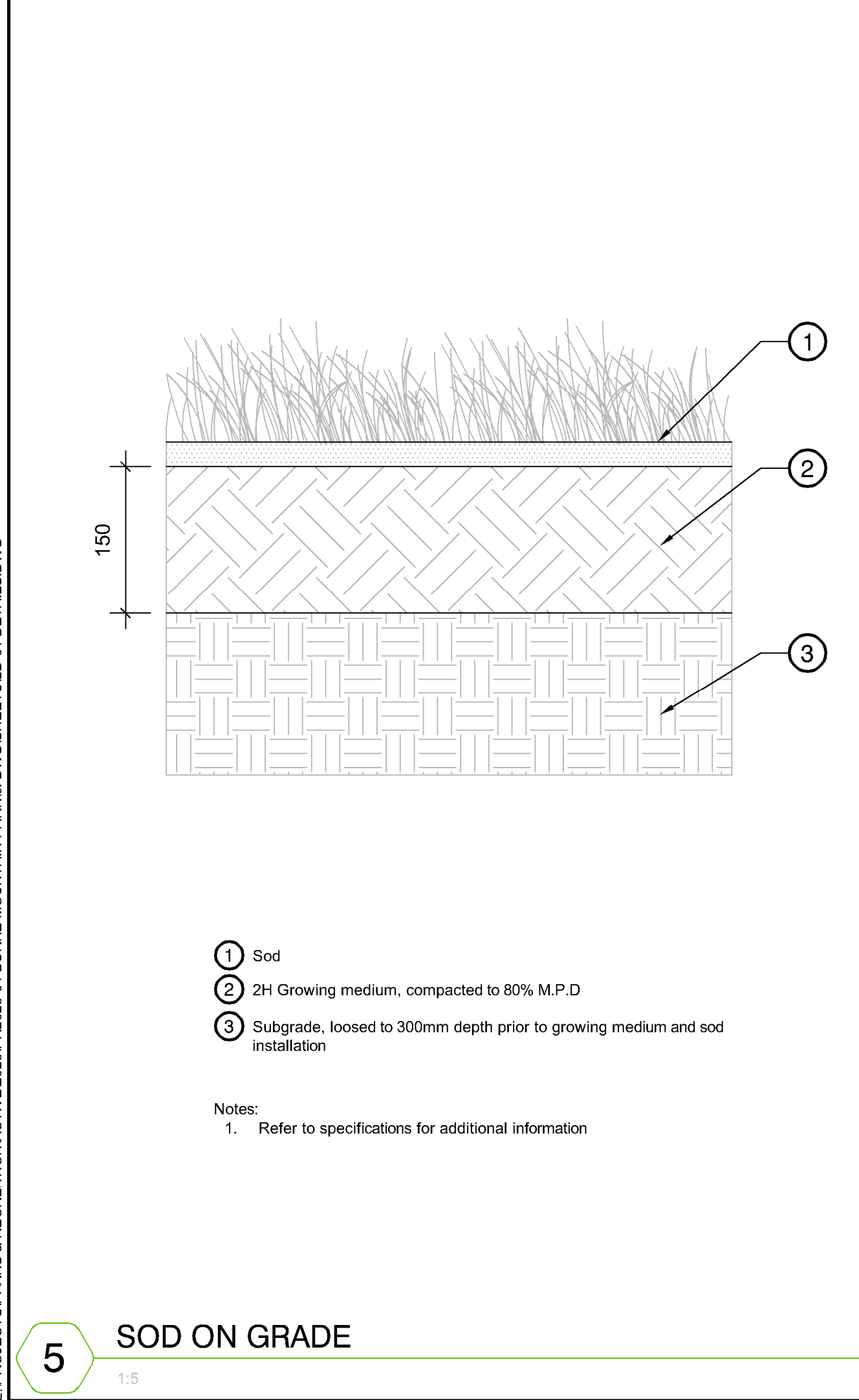
NOTES:

1. Remove all string, twine, pots, tags from plant.
2. All soil, mulch and plant material to meet latest Canadian Landscape Standard.
3. Topsoil saucers diameter to be 1.5X diameter of plant container.
4. O.C. spacing per planting plan.

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

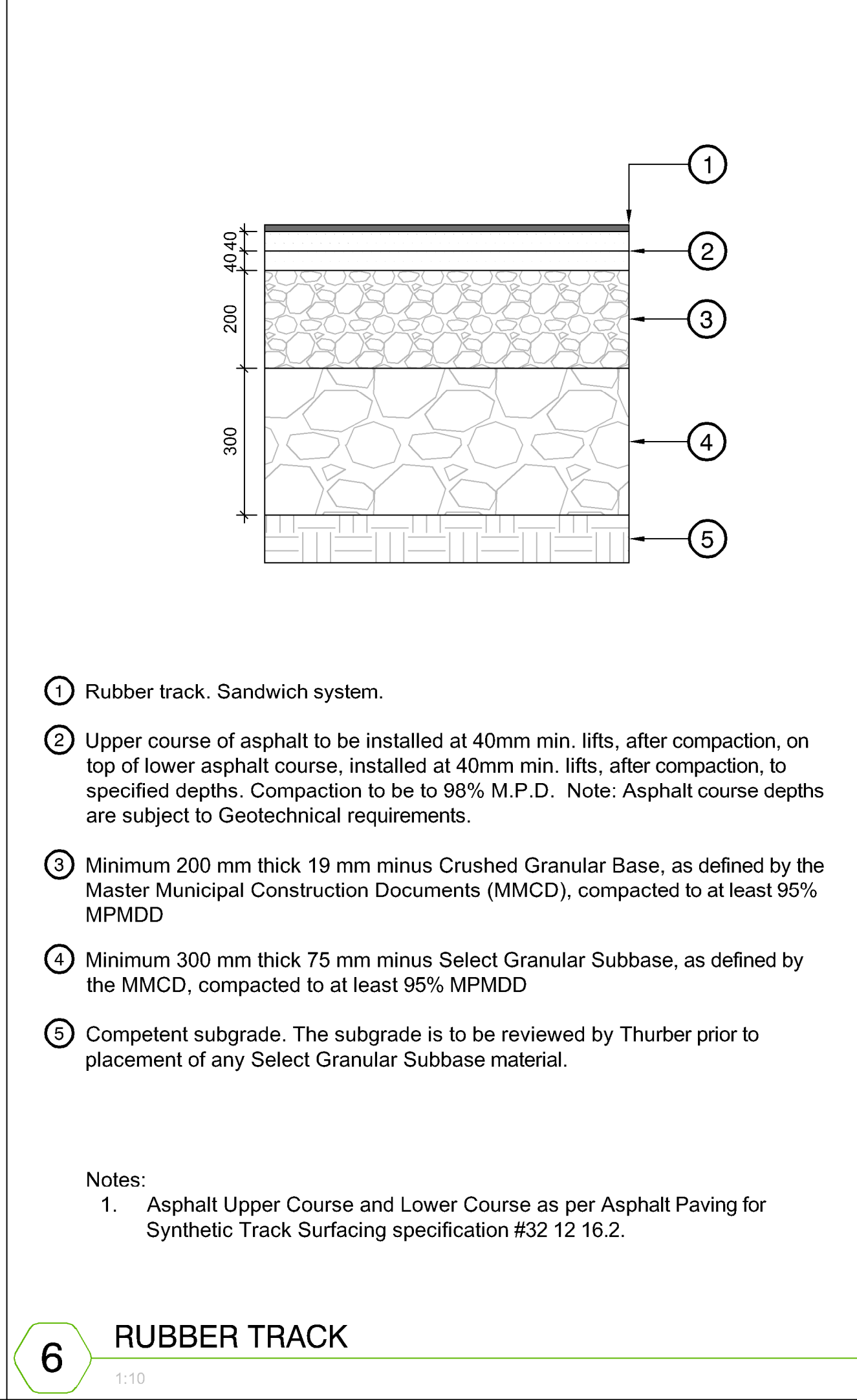
Notes:

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% MPMDD

4 Minimum 300 mm thick 75 mm minus Select Granular Subbase, as defined by the MMCD, compacted to at least 95% MPMDD

5 Competent subgrade. The subgrade is to be reviewed by Thurber prior to placement of any Select Granular Subbase material.

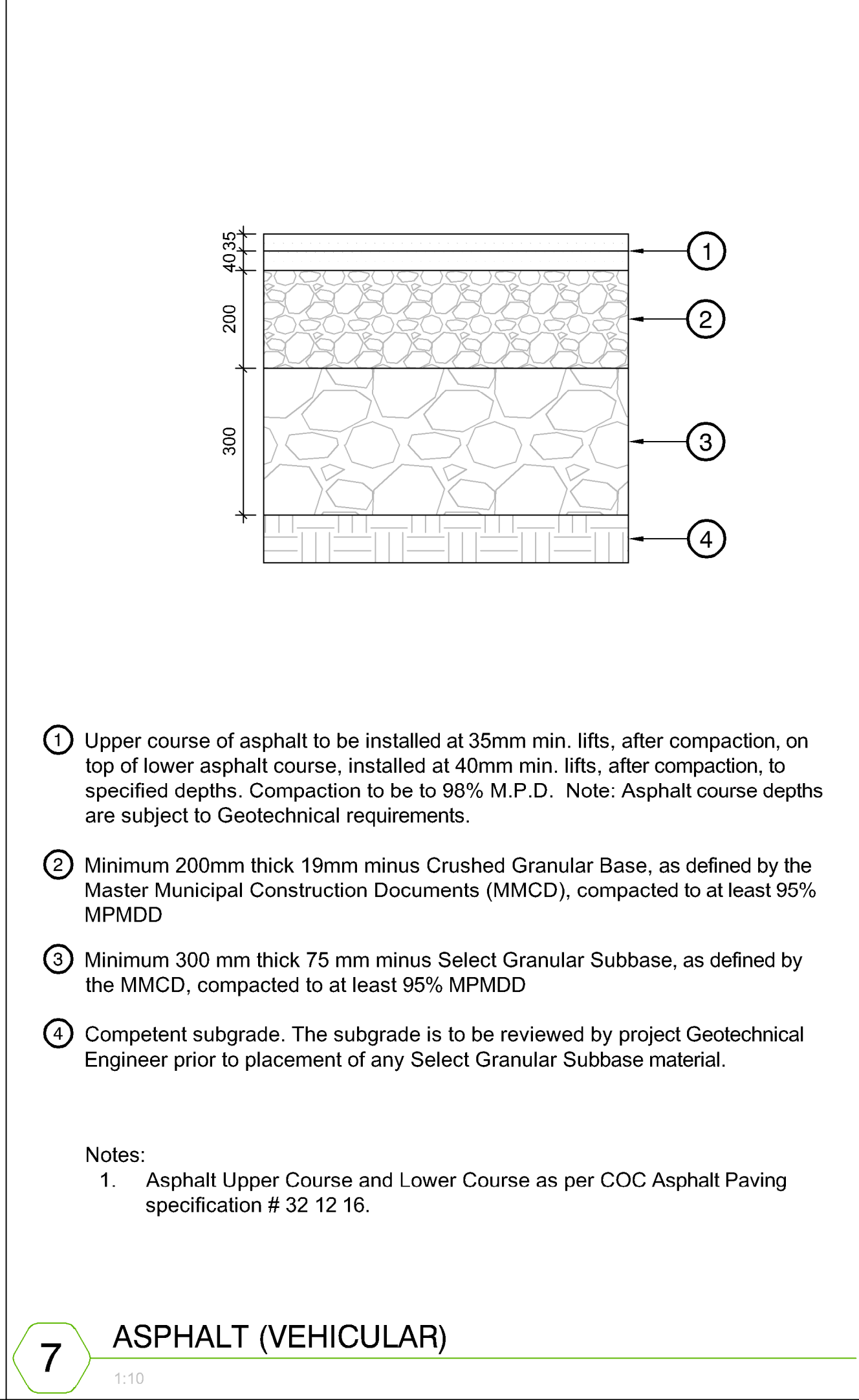
Notes:

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% MPMDD

3 Minimum 300 mm thick 75 mm minus Select Granular Subbase, as defined by the MMCD, compacted to at least 95% MPMDD

4 Competent subgrade. The subgrade is to be reviewed by project Geotechnical Engineer prior to placement of any Select Granular Subbase material.

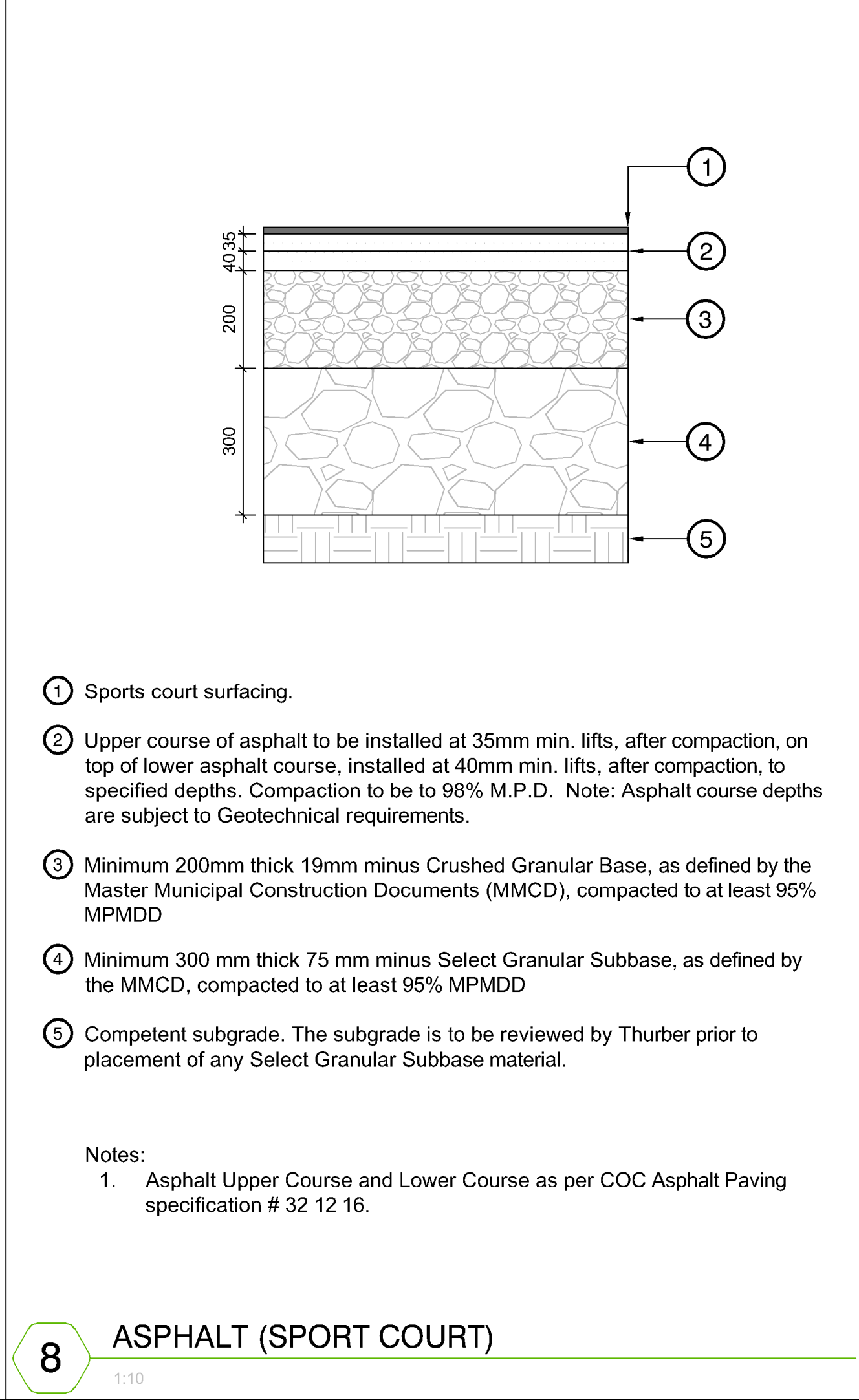
Notes:

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% MPMDD

4 Minimum 300 mm thick 75 mm minus Select Granular Subbase, as defined by the MMCD, compacted to at least 95% MPMDD

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)

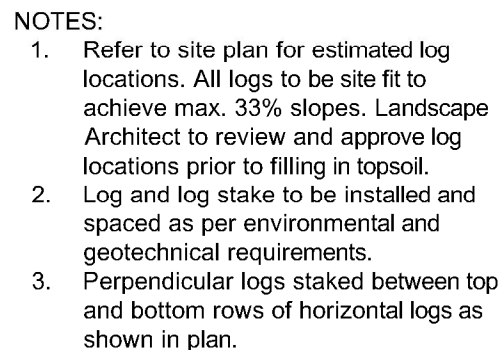
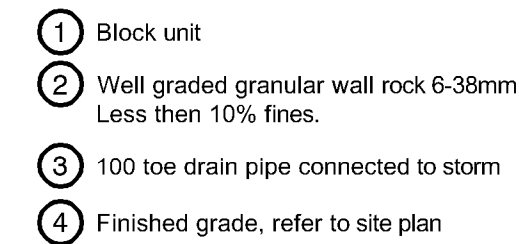
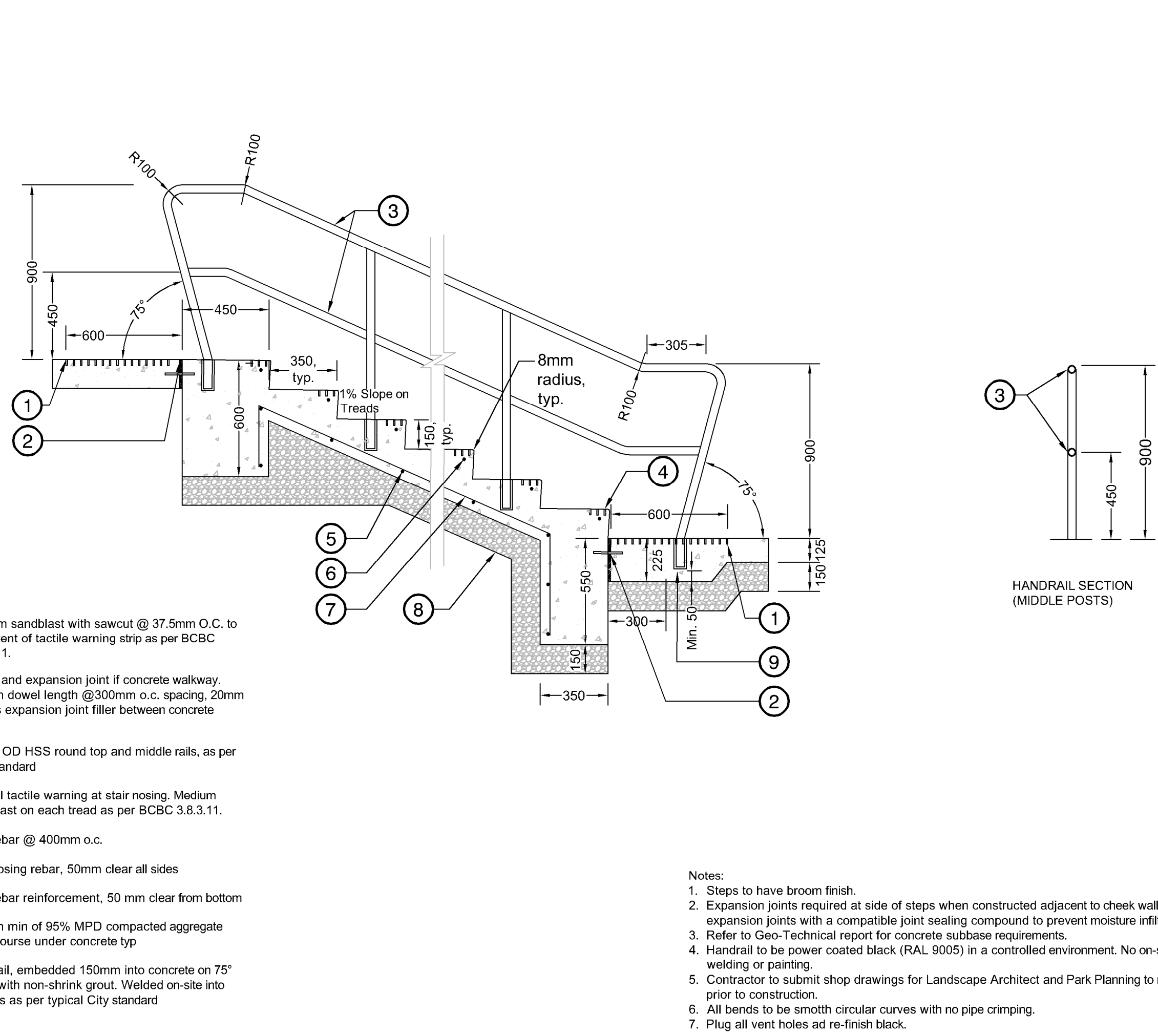
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No.	By:	Description	Date

Project:		BURKE MOUNTAIN ATHLETIC PARK		
Location:		3390 & 3400 DAVID AVENUE, COQUITLAM, B.C.		
Drawn:	Stamp:			
BF				
Checked:				
TM	Approved:			Original Sheet Size:
TM	24"x36"			
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AS SHOWN				



4

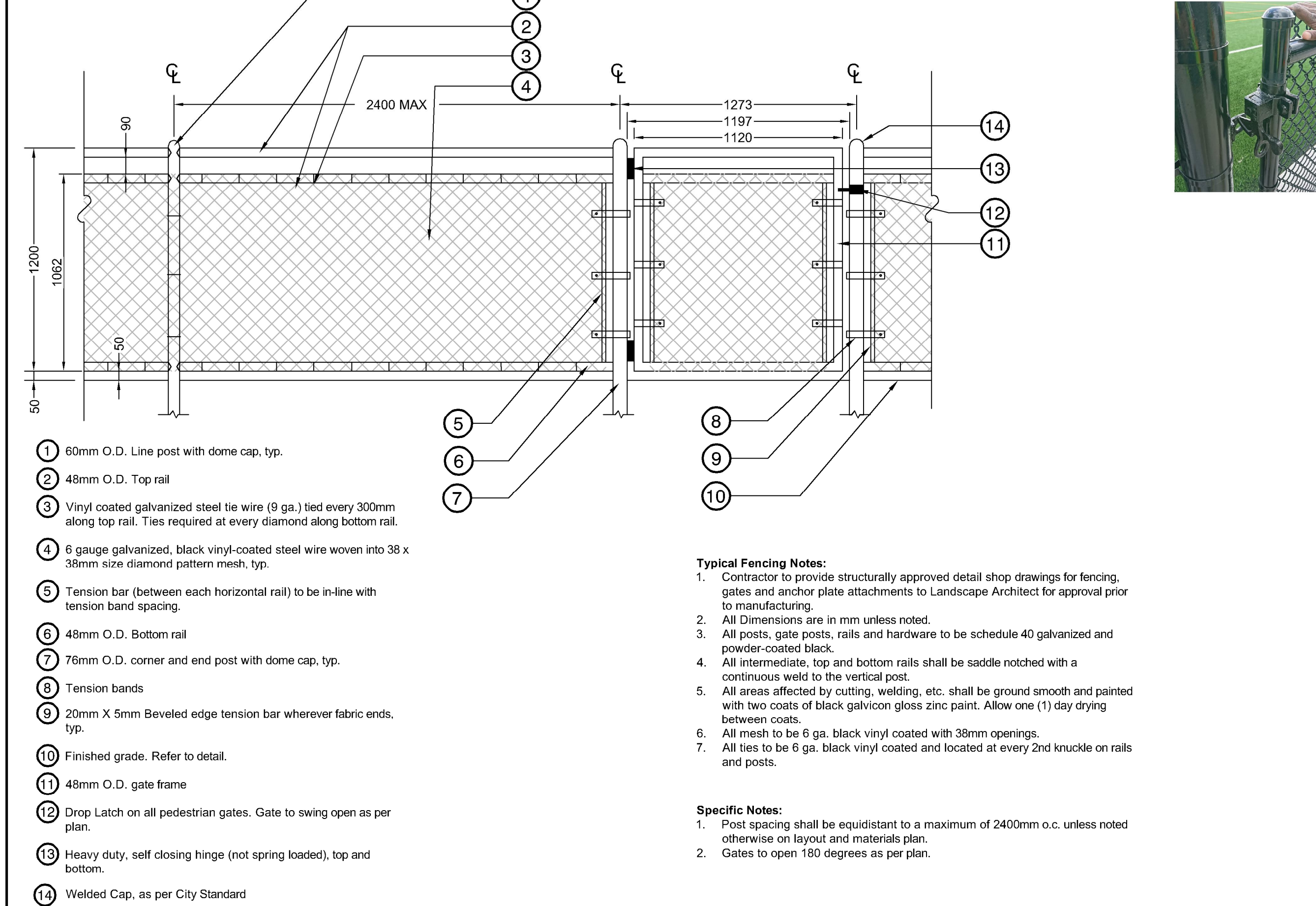
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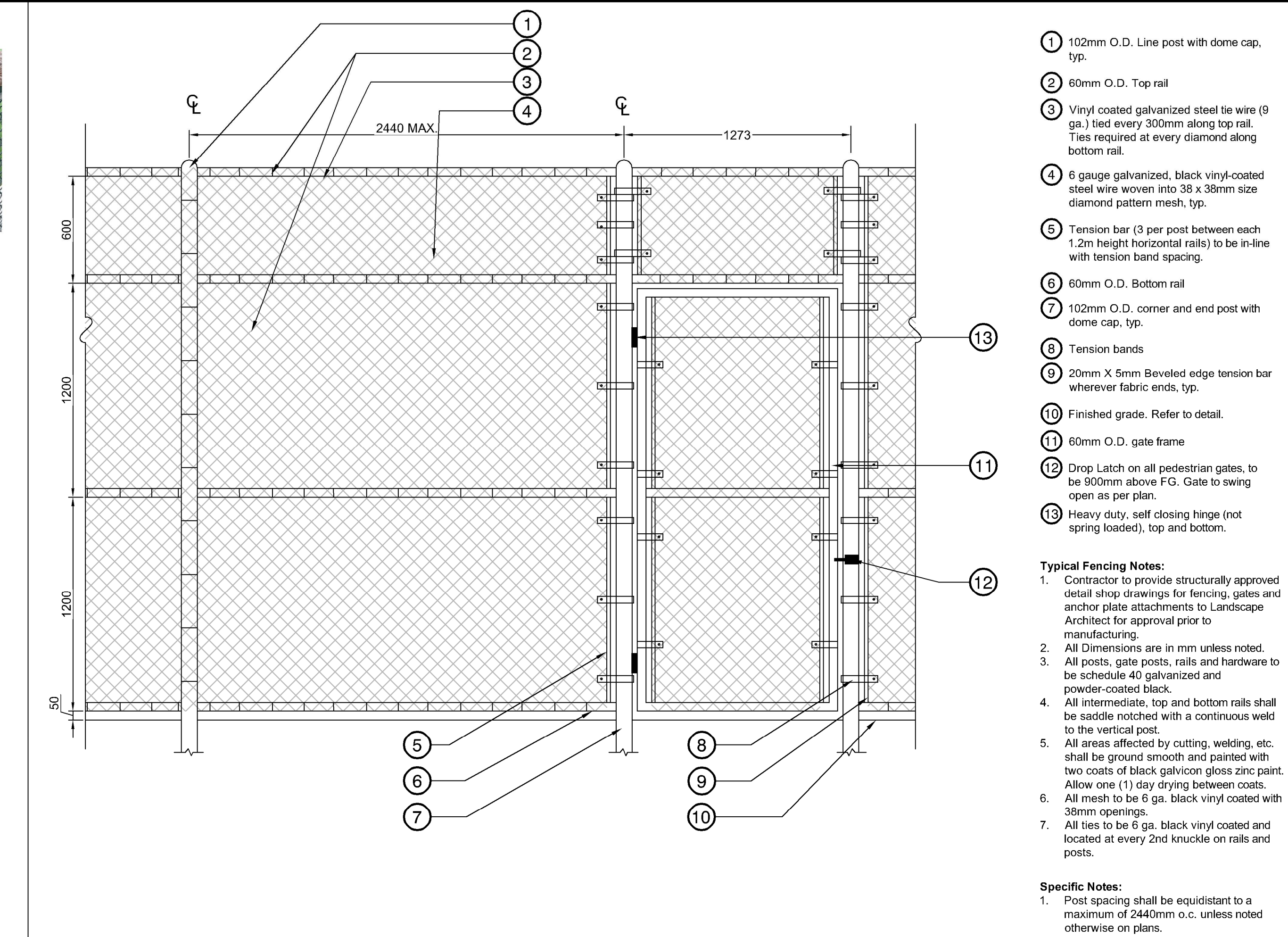
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Checked: TM	
Approved: TM	Original Sheet Size: 24"x36"
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Drawing #:
LD-02

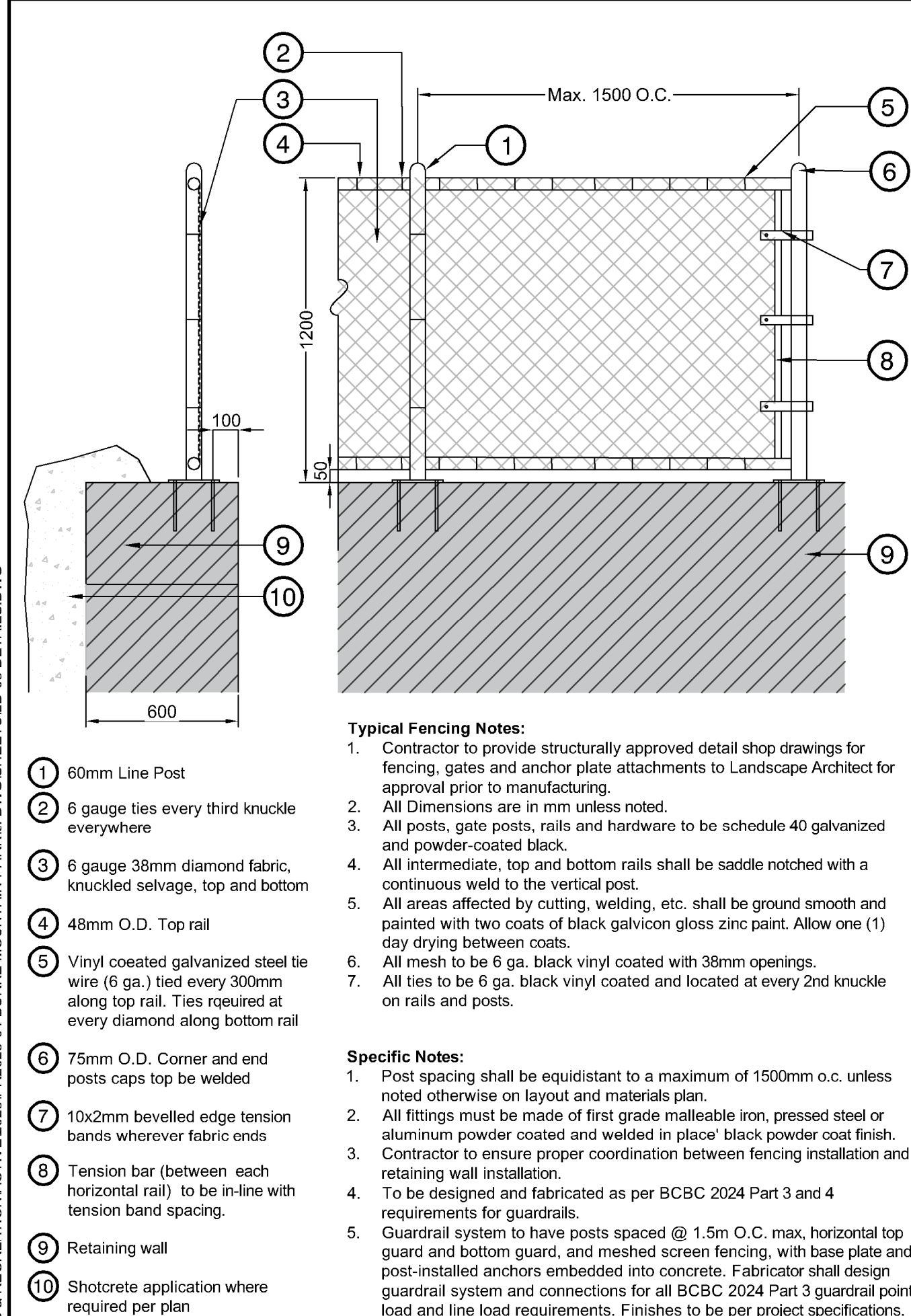
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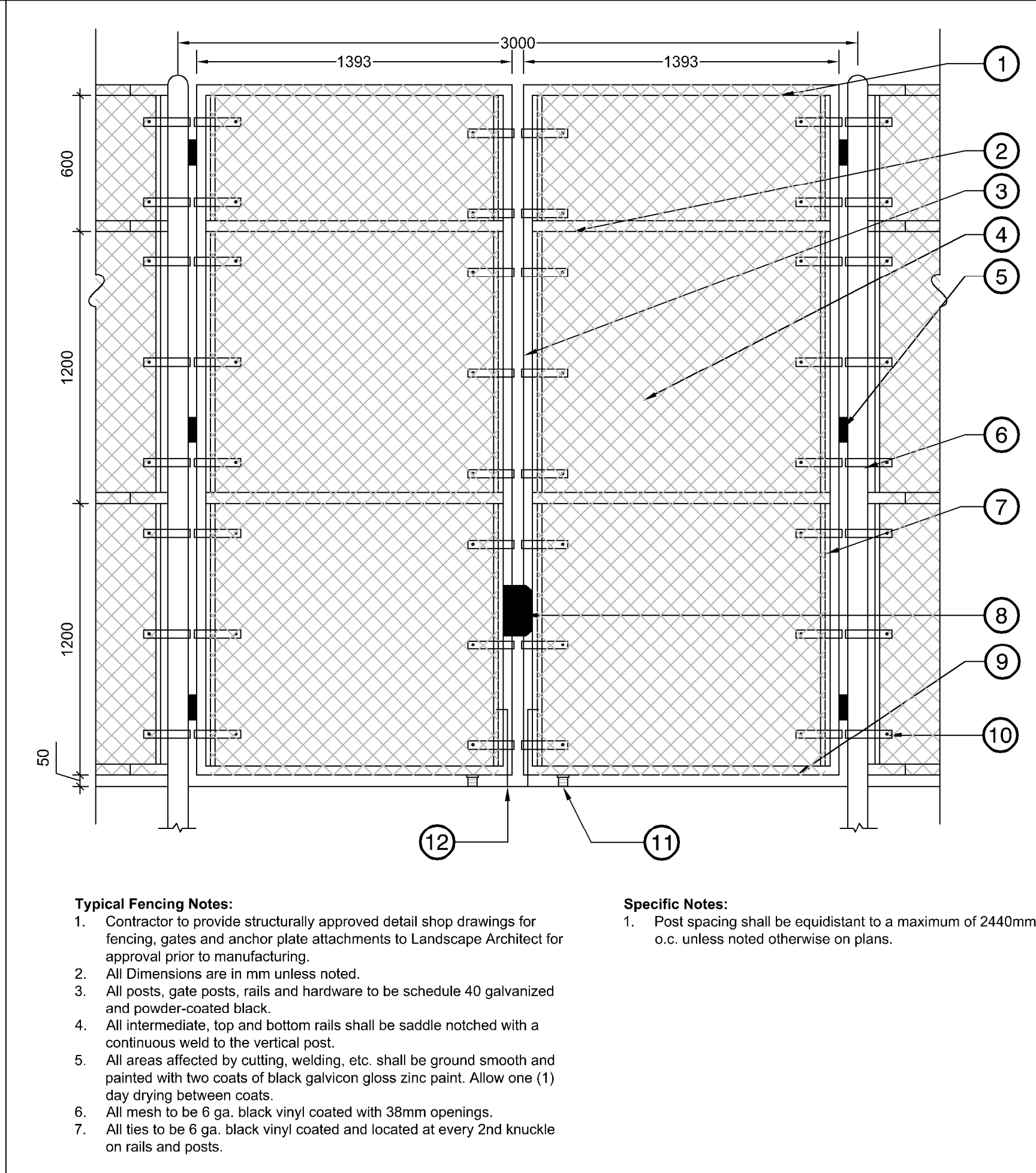
1 1.2M DOUBLE RAIL CHAIN LINK FENCE & GATE
1:20



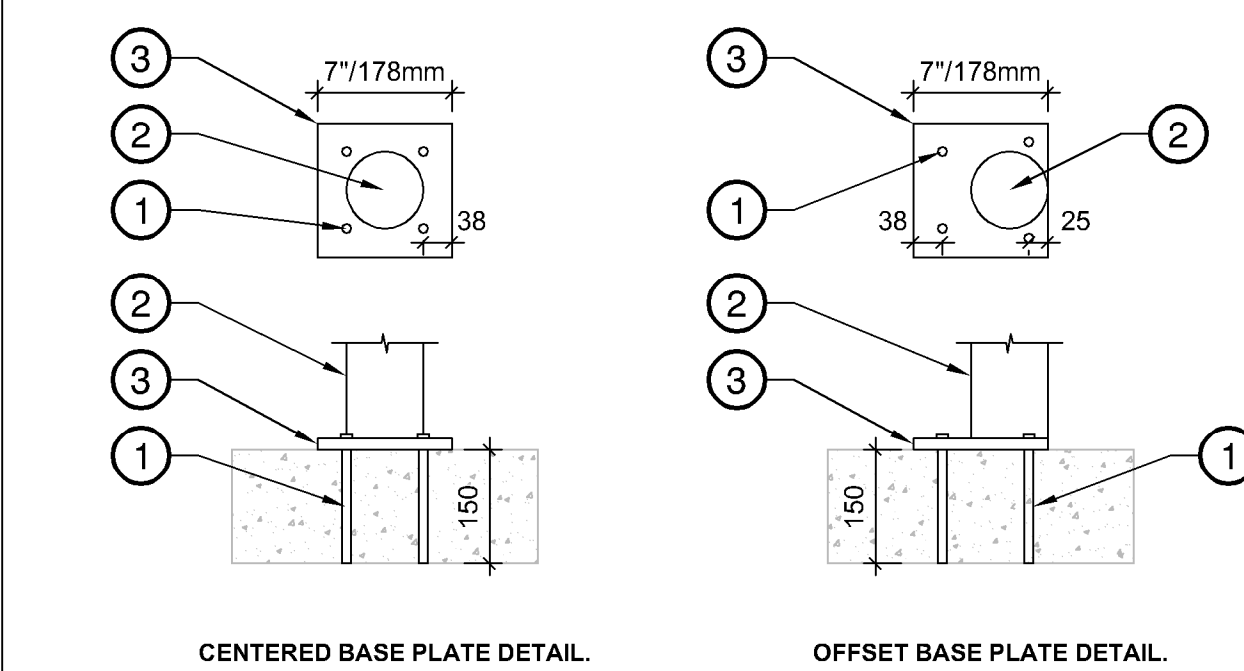
2 3.0M CHAIN LINK FENCE & SINGLE GATE
1:20



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

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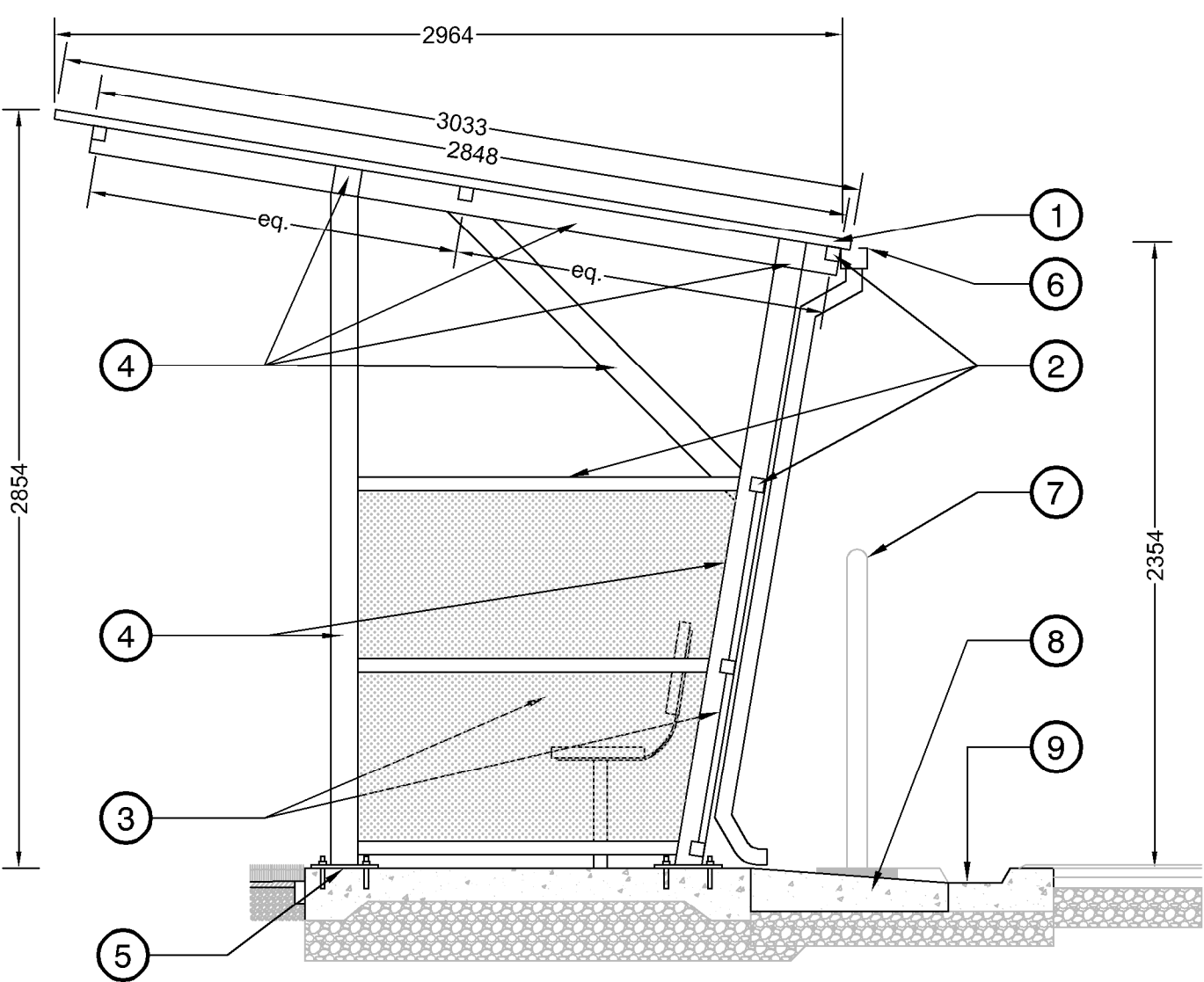
No.	By:	Description	Date

No.	By:	Description	Date

No.	By:	Description	Date

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

Drawn: BF	Stamp:
Checked: TM	
Approved: TM	Original Sheet Size: 24"x36"
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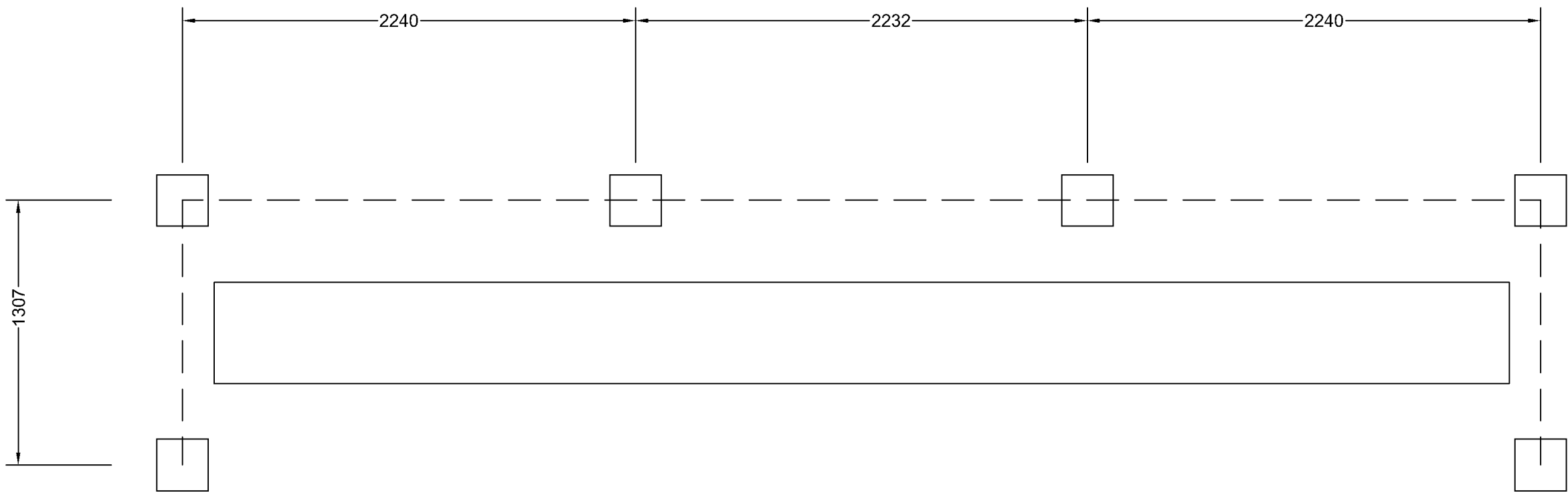
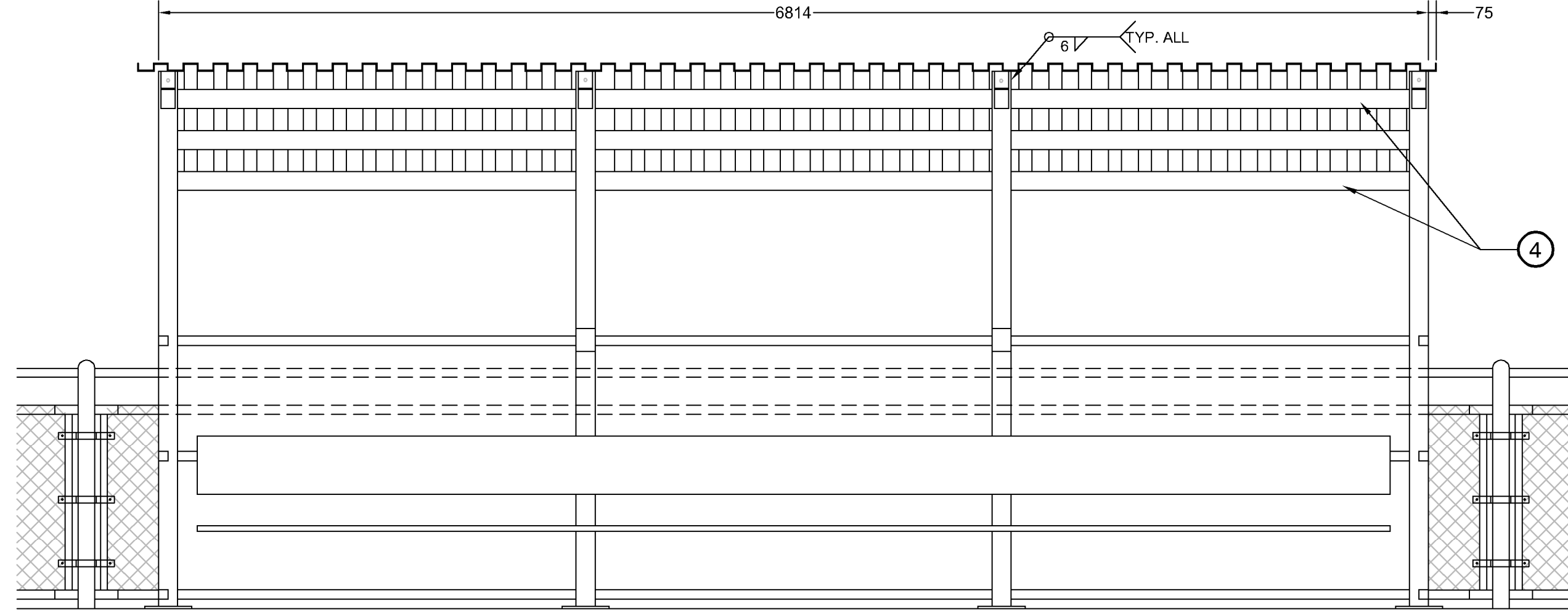
- 1 Corrugated steel roofing. Flashing on all sides. Powder coated black.
- 2 HSS 2X2X1/4
- 3 1/4" perforated galvanized steel sheet welded in center on inside of frame. No perforations at edges. Powder coated black. Perforation pattern: 45 degree staggered, 1" centers. Perforation hole size: OD 1/4"
- 4 HSS 4X4X1/4.
- 5 Base plate, PL 15.9x254x254, grade 300W steel. 4- 1/2"ø 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



Location: Artificial Turf Field

Product Name: Permanent In-Ground Players Bench

Product Number: BL-IGB-21-BR

Size: 21'

Backrest: YES

Quantity: 2

Location: Tennis Court

Tennis Court Benches require bench pad 3.0m long by 0.5m wide.

Product Number: BL-IGB-9

Size: 9'

Backrest: YES

Quantity: 2

Product Number: BL-IGB-9BR

Size: 9'

Backrest: NO

Quantity: 2

Supplier: Sports Systems Canada

p. 877.600.4667

w. www.sportssystemscanada.com

Notes:

Install as per manufacturers specifications.



Product Name: OUTDOOR SCORING TABLES

Product Number: BL-TIMERTABLE-6

Size: 6'

Quantity: 1

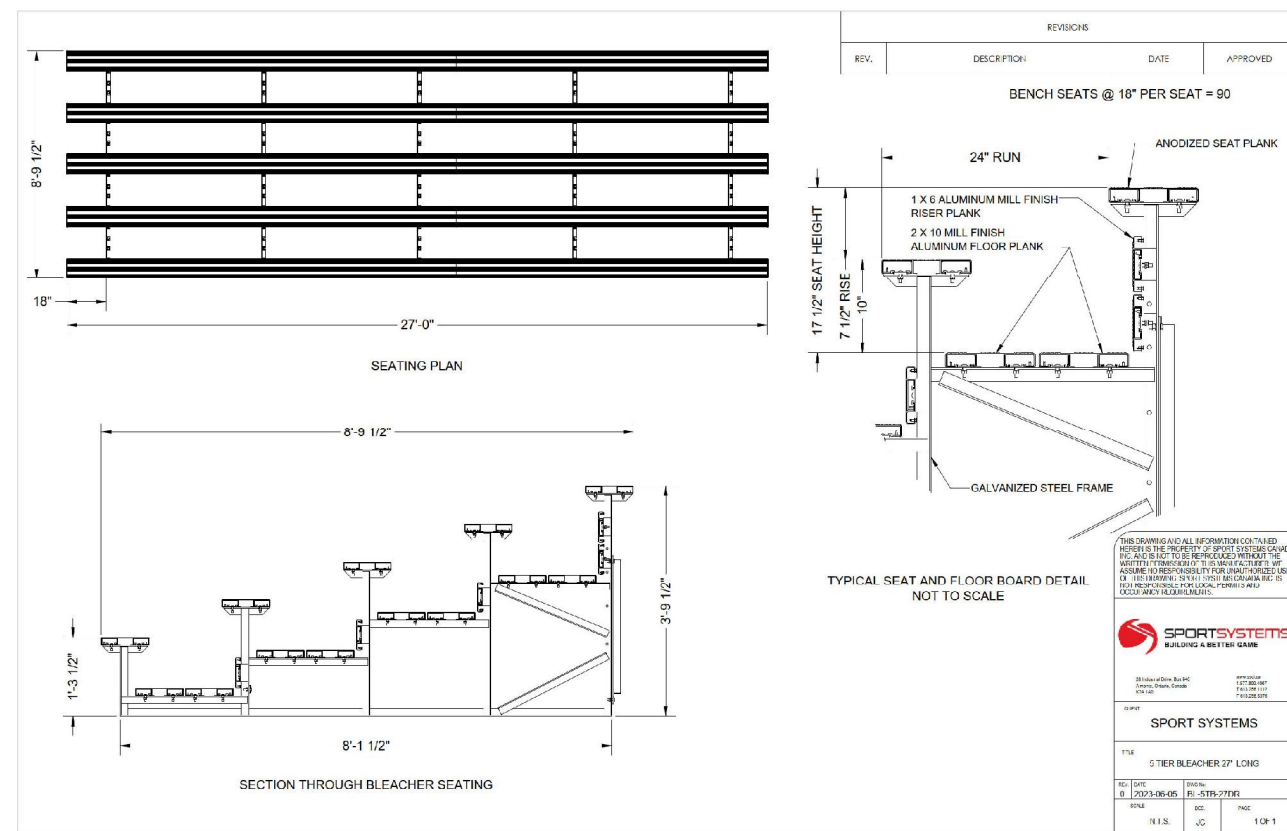
Supplier: Sports Systems Canada

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

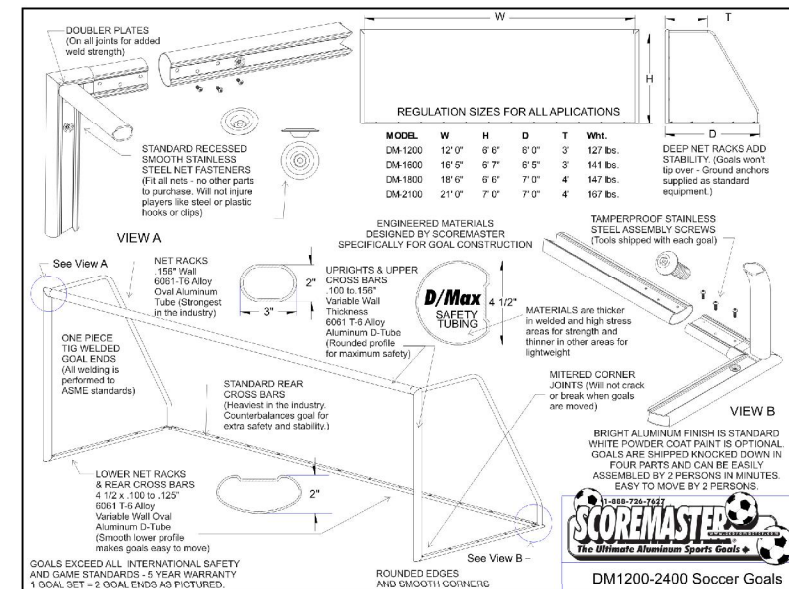
p. 877.600.4667

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

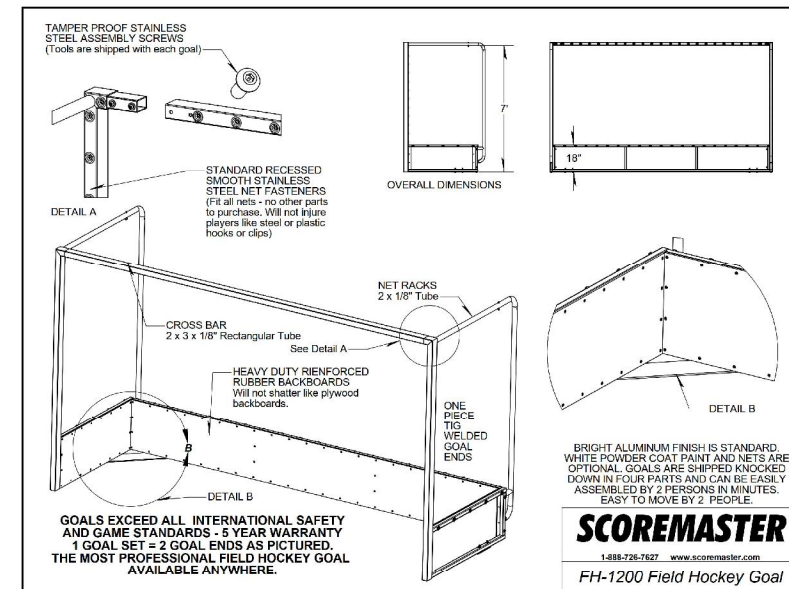
Size: 8' X 24'

Quantity: 2

Net: Heavy Duty, 4mm, braided, 5" square mesh, white.

Anchor / Tether: YES

Powder Coat: YES, 4 wheels per goal White



FIELD HOCKEY GOAL:

Product Number: SM-FH1200

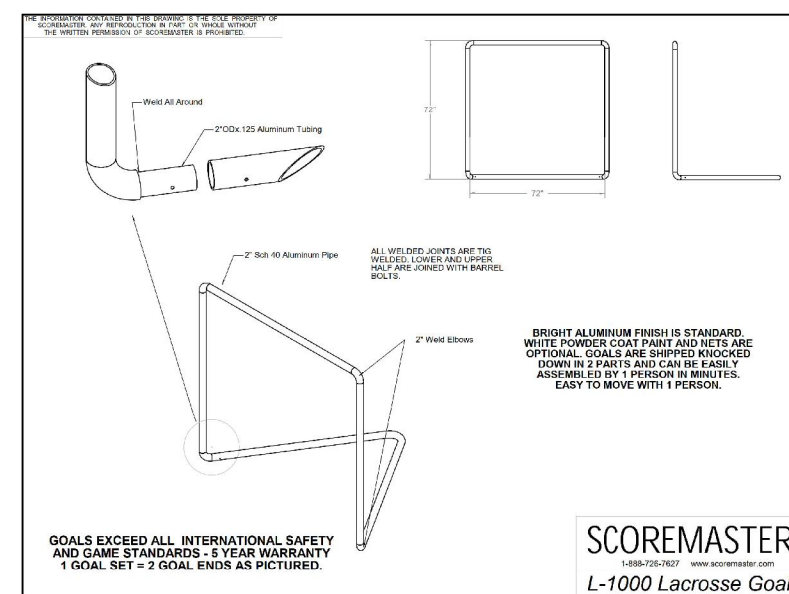
Quantity: 2

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.

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.

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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Project:

BURKE MOUNTAIN ATHLETIC PARK

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

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Drawing Title:

DETAILS


VDZ Project #:

PR2023-04

Drawing #:

LD-04

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



Evergreen (EVG)

Blue (BLU)

Black (BLK)

Gray (GRY)

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

OPTIONAL ACCESSORIES

LK4471LHB - Locking Hose Bib
0789DC - Accessory, Direct Bury Adaptor

OPERATING PRESSURES:
Supply water 20 - 105 psi maximum

TOP VIEW

FRONT & SIDE VIEWS

Notes:

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

Or approved equal.

Wishbone

site furnishings

PRODUCT SPECIFICATIONS

Recycled Plastic Boards
The UK's highest recycled plastic boards are made of 100% recycled plastic. It is extremely resistant to chemical products, to acids and alkalis, oil and grease and it does not absorb moisture. Recycled and not left, right or option.
Colours Available: Grey, Redwood, Sand, Walnut

10 YEAR LIMITED WARRANTY

Durable Powder Coated Galvanized Steel Frame
Available colours: Walnut, Redwood, Sand, Walnut
"Hands Free" Foot Pedal Mechanism
Long Lasting Stainless-Steel Hardware
Easy Access front opening
Keyless hidden door latch system
Surface Mount

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 "topped" 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 water runoff and a keyless hidden door latch makes it convenient for any maintenance person to empty, 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 black 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

Walnut

Redwood

Sand

Gray

100% Canadian Made

Wishbone Ltd. provides an extended 10 year limited warranty from the date of install.

Visit us online at www.Wishboneltd.com

Product Name: Freedom 55
Product Number: HF-55C/HF-1701 (Recycled Plastic Siding 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.

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® TN-28MD 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.sportsystemscanada.com

Notes:
Install as per manufacturers specifications.

SET SCREW

COLLAR

TAKE UP

POST LOCATIONS, MEASURED CENTER TO CENTER
33'-0" FOR SINGLES
42'-0" FOR DOUBLES

16'-6" FOR SINGLES

21'-0" FOR DOUBLES

EYEBOLTS

DUMMY POST

GROUND SLEEVE GS-24 (OPTIONAL)

CENTER ANCHOR (PURCHASED SEPARATELY)

THE FOOTING DIMENSIONS ILLUSTRATED ARE APPROXIMATE AND MAY BE VARIED IN DIFFERENT REGIONS ACCORDING TO LOCAL SOIL AND FROST CONDITIONS.

POST AND ANCHOR INSTALLATION

WHITE CORD, TIE-OFF AT EYE BOLT

SET SCREW

CABLE HOOK

TOP EYEBOLT

GROMMET

DUMMY POST

CENTER STRAP

TAKE UP POST

HOOKED TO CENTER ANCHOR NET INSTALLATION

CABLE

GEAR

TURN CLOCKWISE

REMOVE TENNIS NET CABLE LOOP ON WIND UP SIDE ONLY

NOTES:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

2. DO NOT SCALE DRAWING

3. 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.

4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.

5. CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 2763-009.

CONSTRUCTION NOTES:

1. The Tennis Court Net Post must be installed after the entire tennis court has been paved.

2. 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.

3. Net Posts shall be installed as per manufacturer's specifications.

4. 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.

5. Once all the asphalt, including the net post patches, have cured the tennis court surfacing can be applied.

1 ELKAY BOTTLE FILLING STATION

1:10

2 WASTE RECEPTACLE

1:10

3 TENNIS NETTING

NTS

4 TENNIS POST AND ANCHOR FOOTINGS

NTS

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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)

15" Min.

12"

10" Min.

1/8" Wall

36"

Ø5 1/4"

Ø4 3/8"

Ø8 5/8"

New Concrete

Drain Rock

Grade

White reflector band between ridges

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2

3

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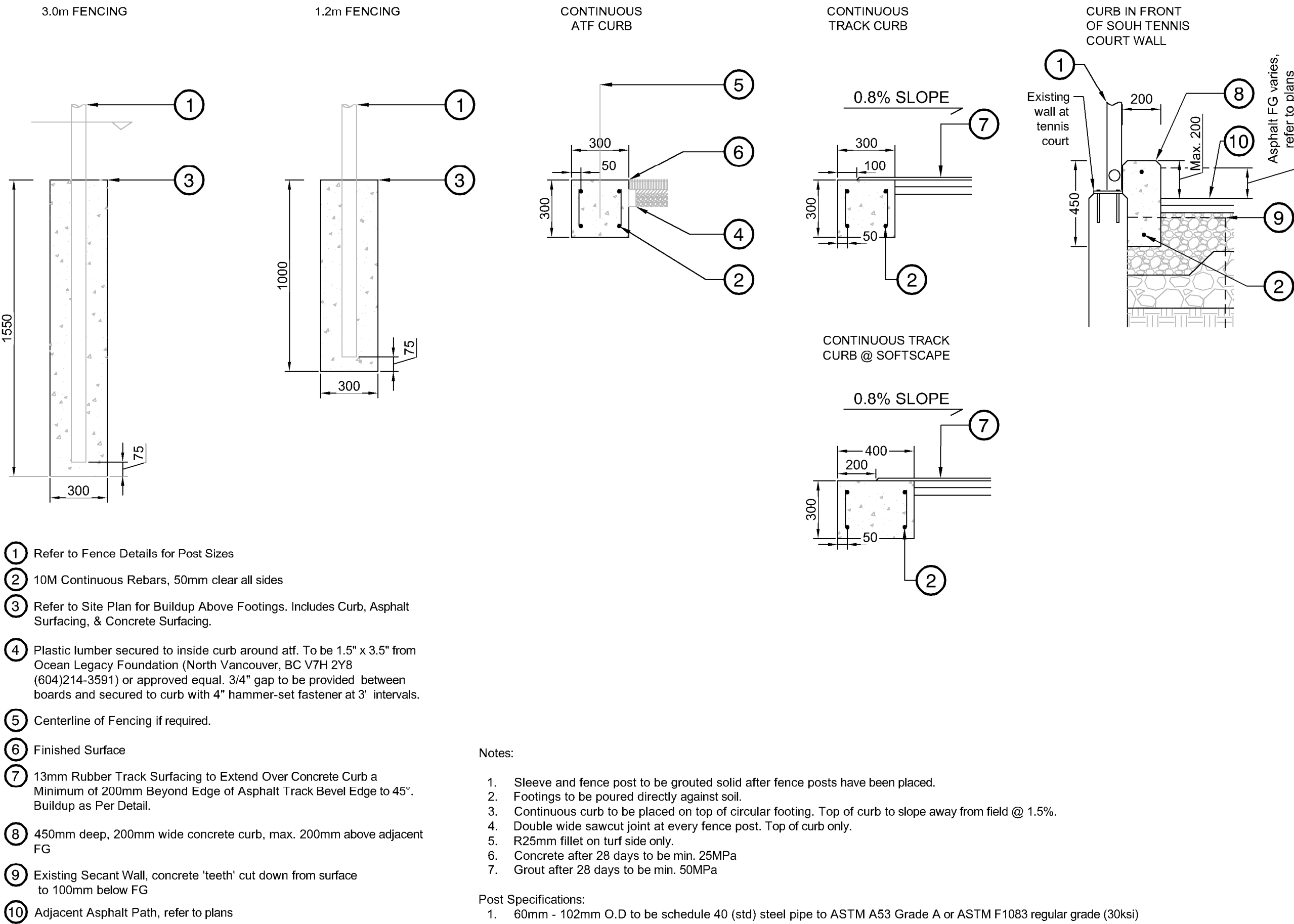
General Description:
Clearly communicate intended routes and access regulations on your streetscape with the model R-7901 steel bollard from Reliance Foundry. Composed of standard steel and finished with a durable powder-coating, it is an aesthetically versatile device that will complement the architecture 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/bollard/installation-bollards

Specifications:
Height: 36" (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/bollard/installation-bollards

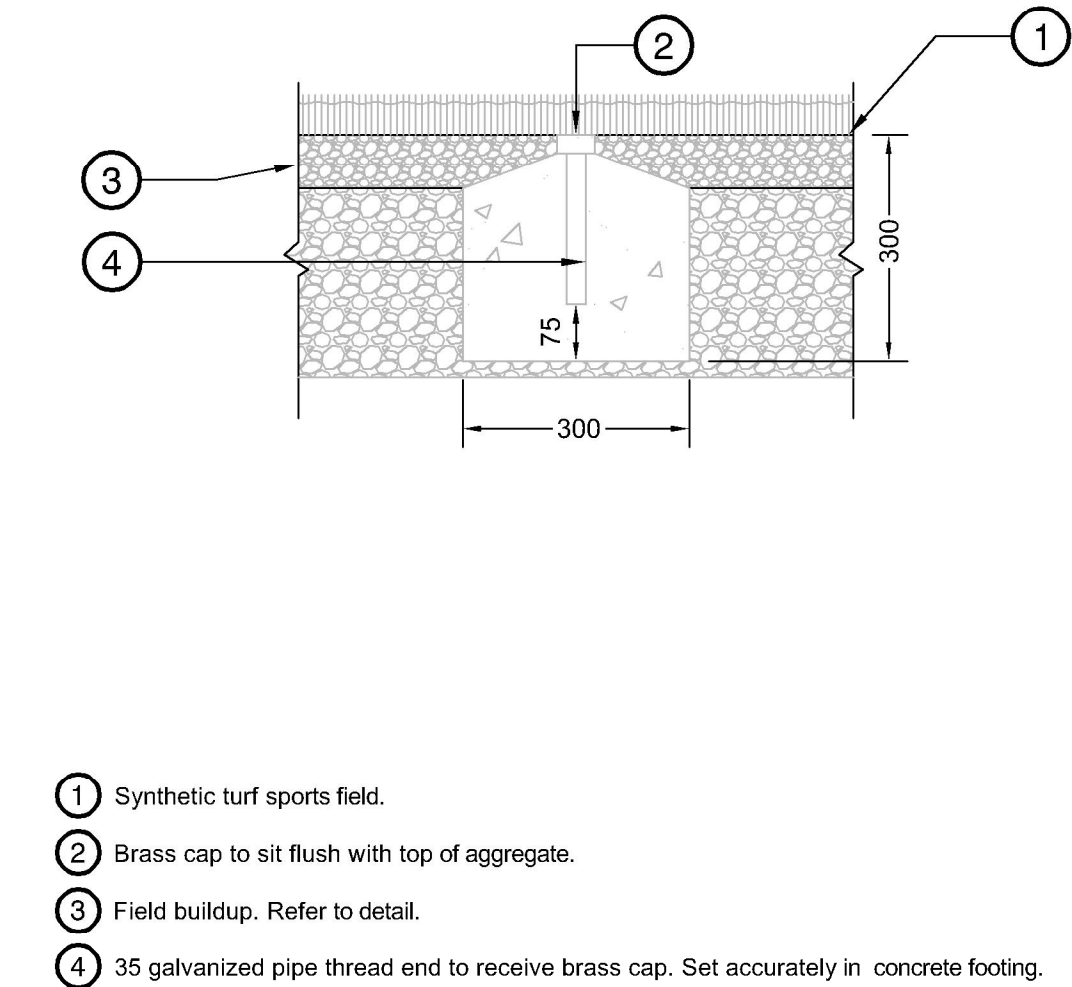
Mount Options:
✓ Removable Receiver with Lid (see sheet 2 of 7)
○ Removable Receiver with Chain (see sheet 3 of 7)
○ Fixed Embedded Mount (see sheet 4 of 7)
○ Flanged Surface Mount (see sheet 5 of 7)
○ Fold Down Mount (see sheet 6 of 7)
○ Optional Chain Accessory (see

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



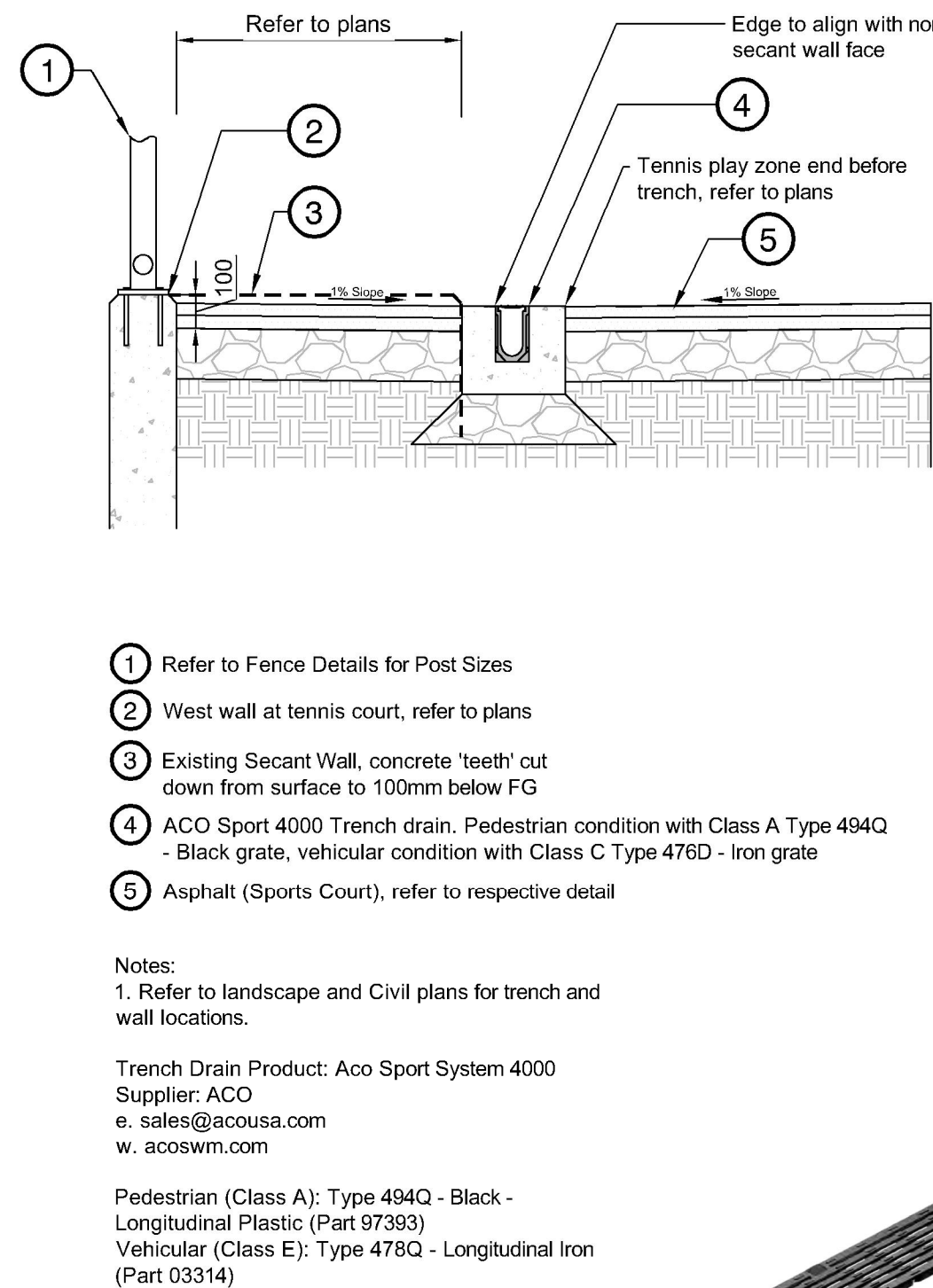
1 FENCE FOOTINGS AND CURBS

1:20



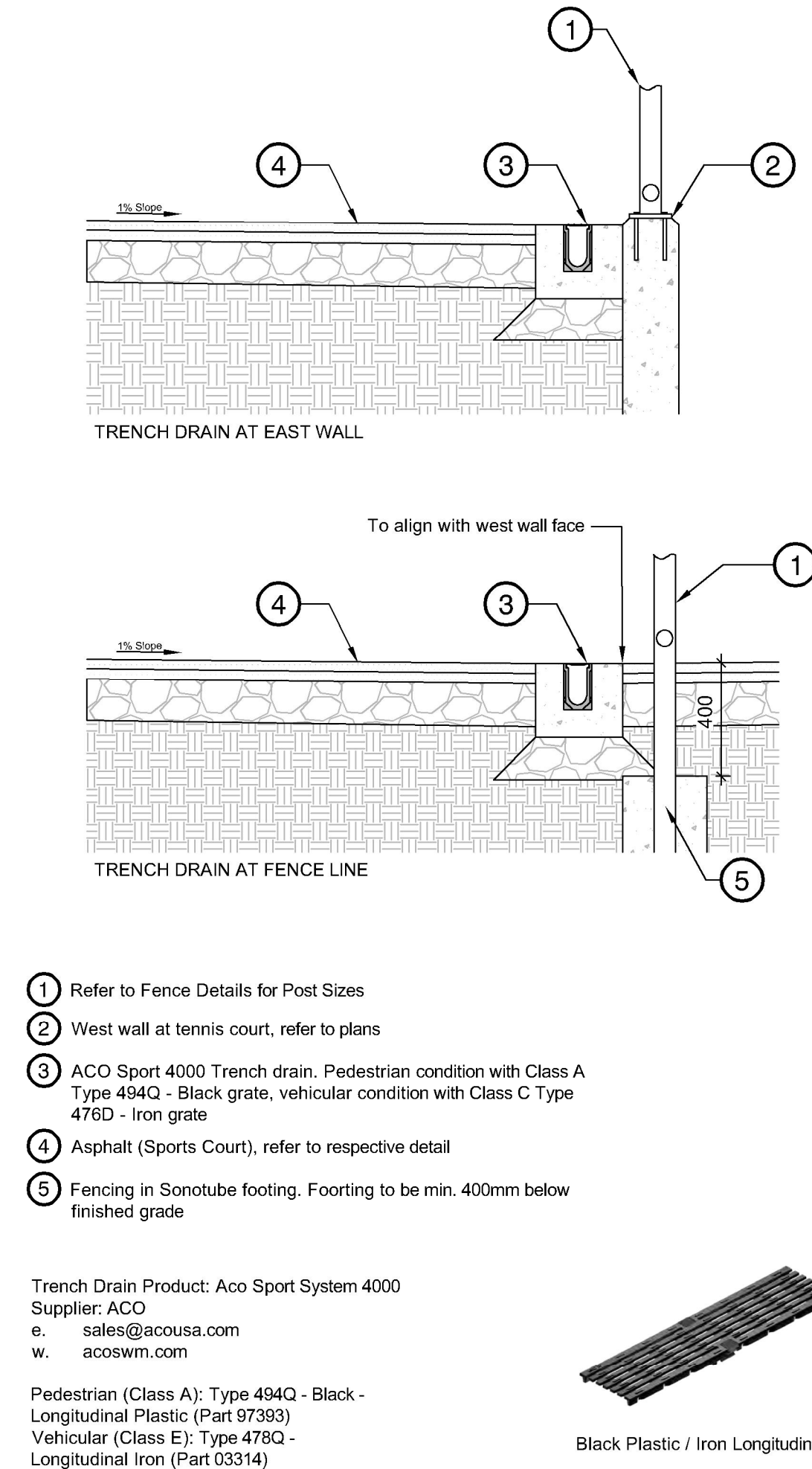
4 MONUMENT

1:10



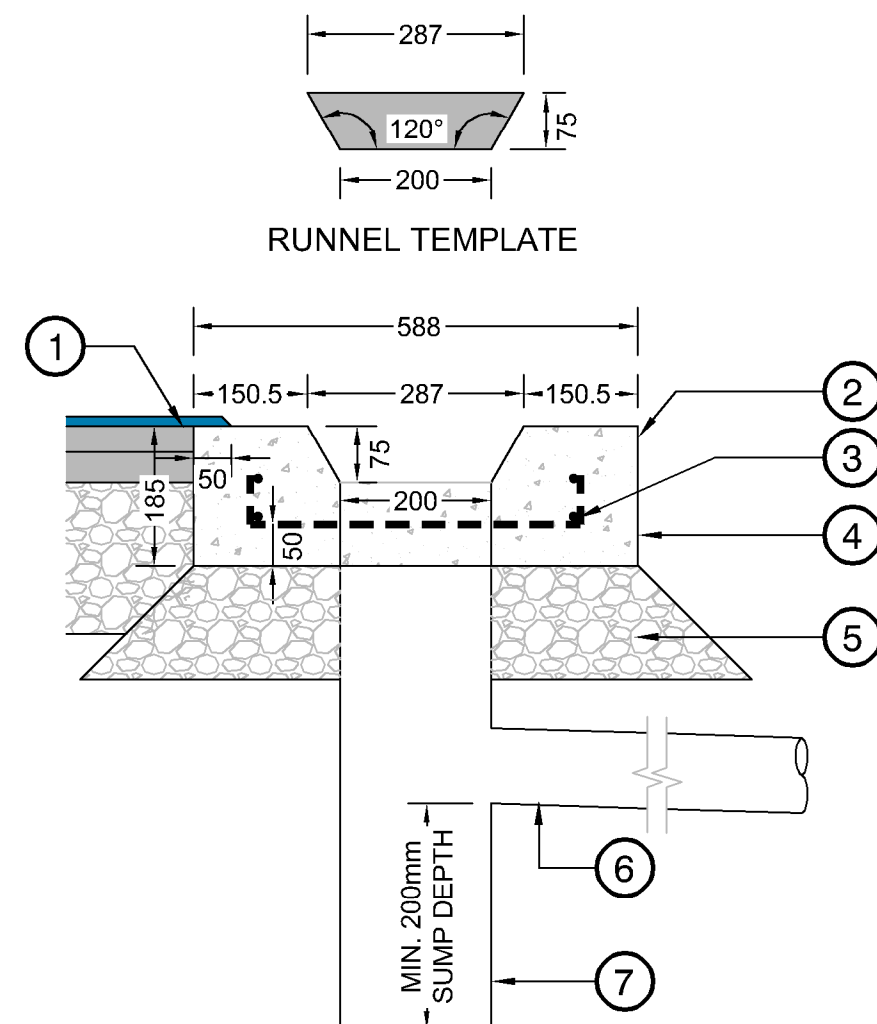
5 TENNIS COURT AT WEST WALL

1:20



6 TENNIS COURT DRAIN ALONG EAST EDGE

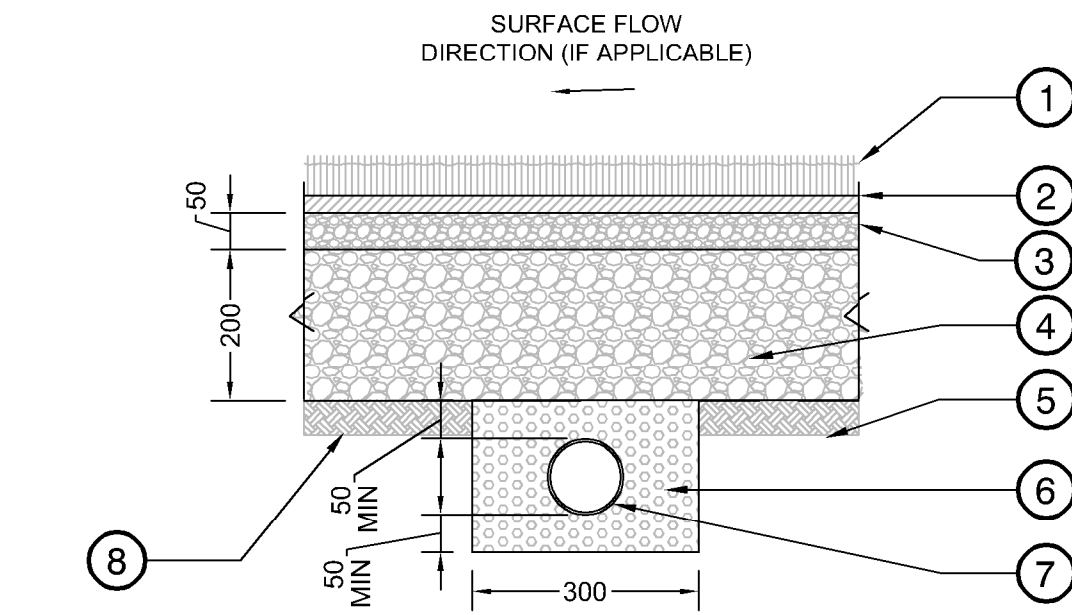
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TYPICAL CONCRETE RUNNEL SECTION

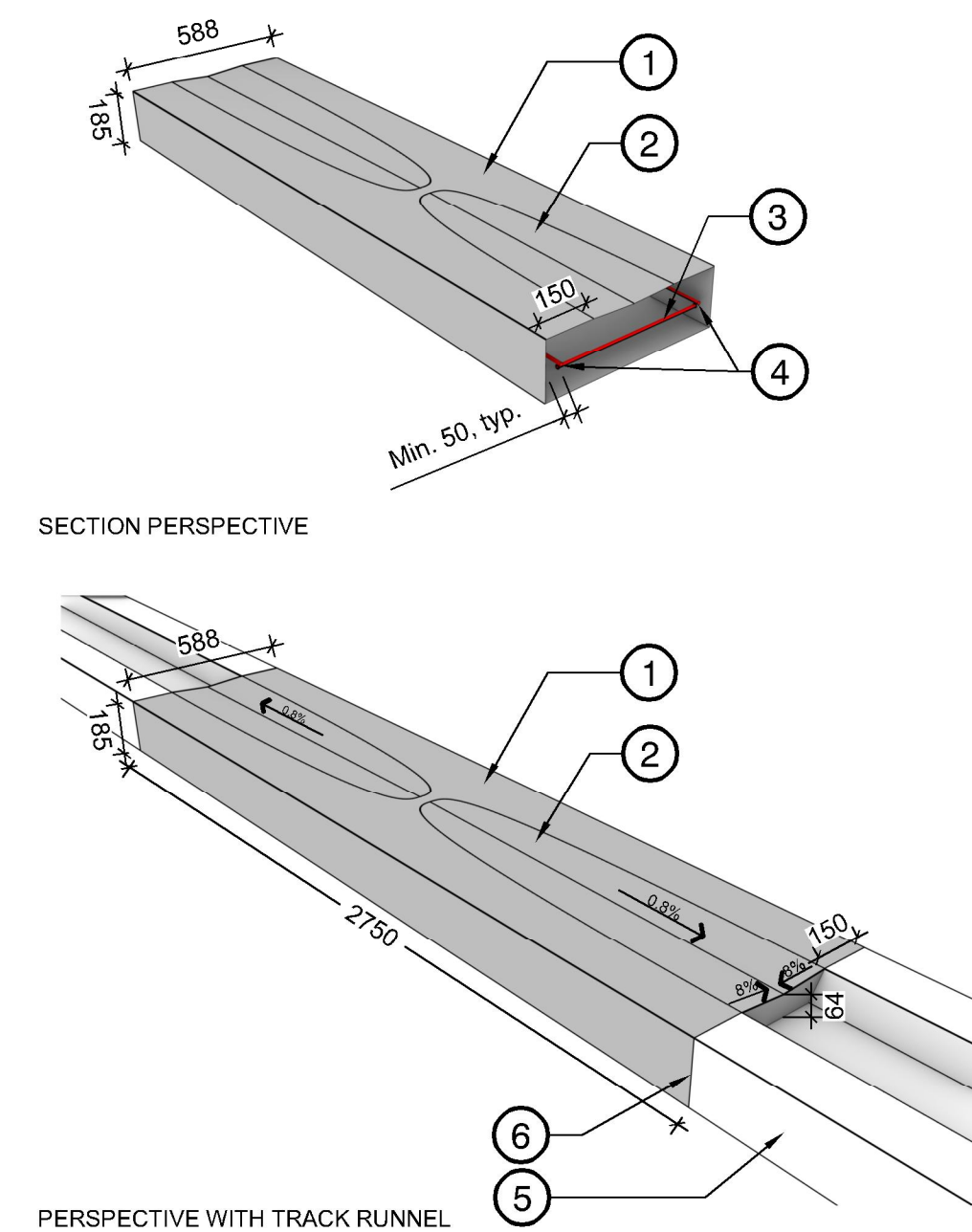
2 CIP CONCRETE TRACK RUNNEL

1:10



3 ARTIFICIAL TURF

1:10



7 CIP CONCRETE FIELD ACCESS

NTS

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

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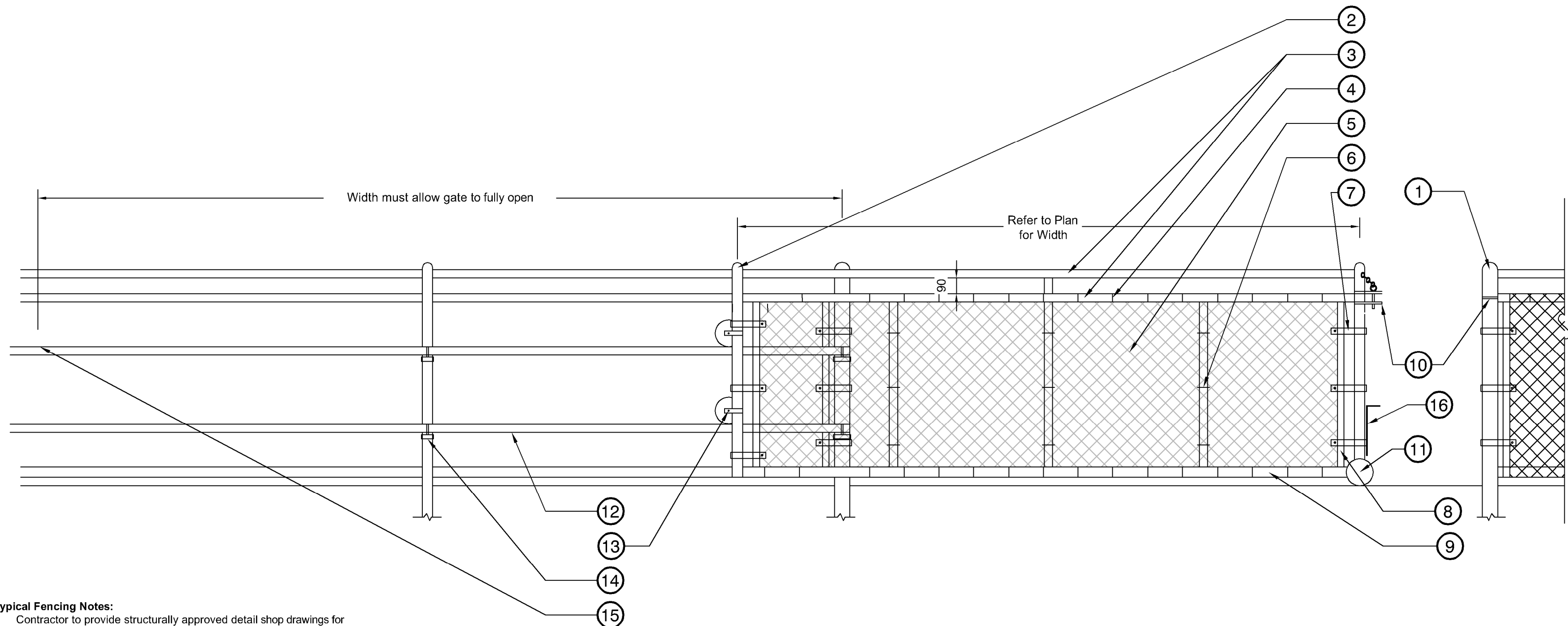
No.	By:	Description	Date
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No.	By:	Description	Date
REVISIONS TABLE FOR SHEET			

Drawing Title:
DETAILS

VDZ Project #:
PR2023-04

Drawing #:
LD-06

**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, typ.
- 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

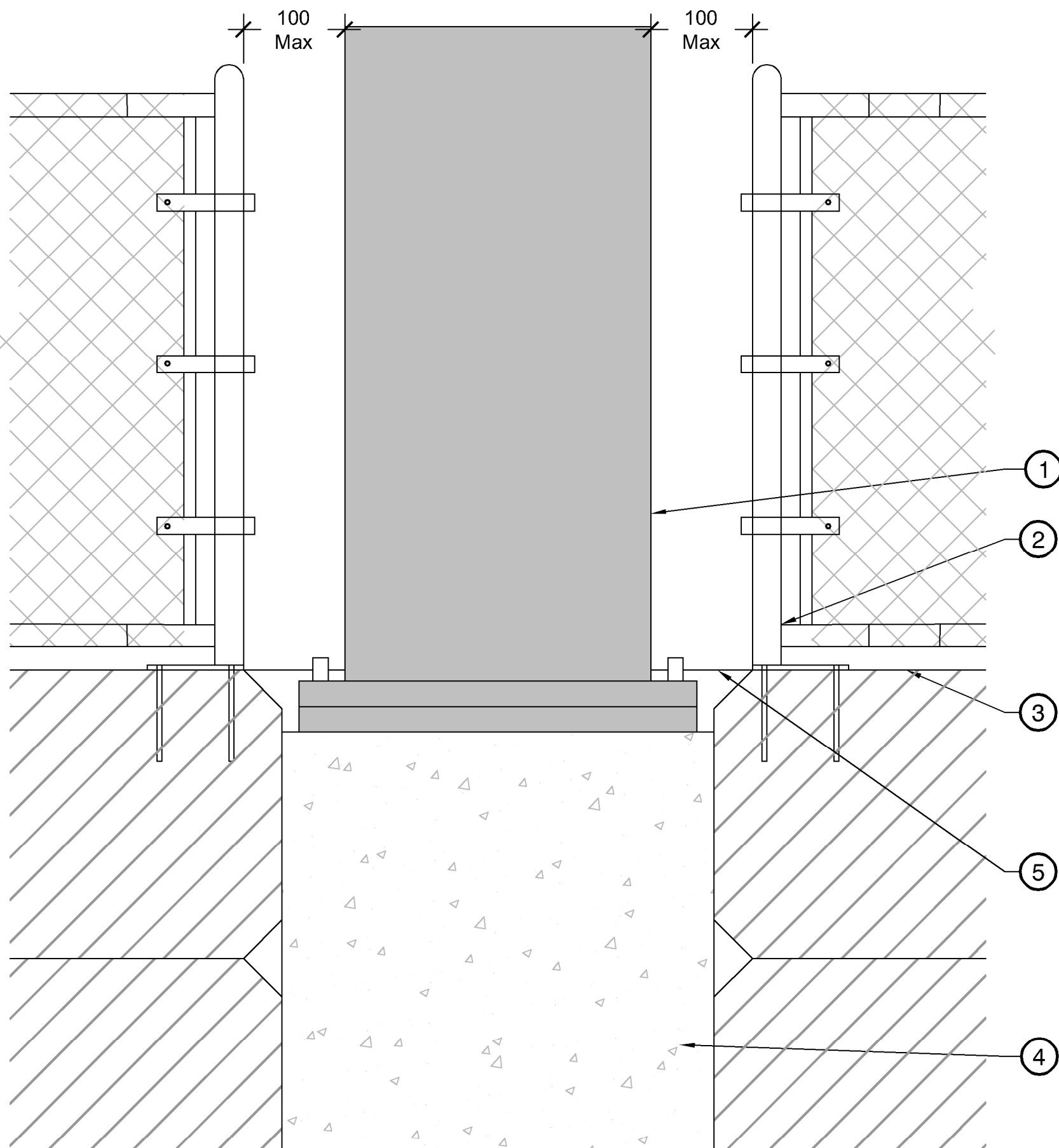
- Musco light post.
- Guardrail. Refer to detail.
- Lock block wall.
- Concrete post base.
- 1/2" galvanized steel plate attached to the face of lock blocks.

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:

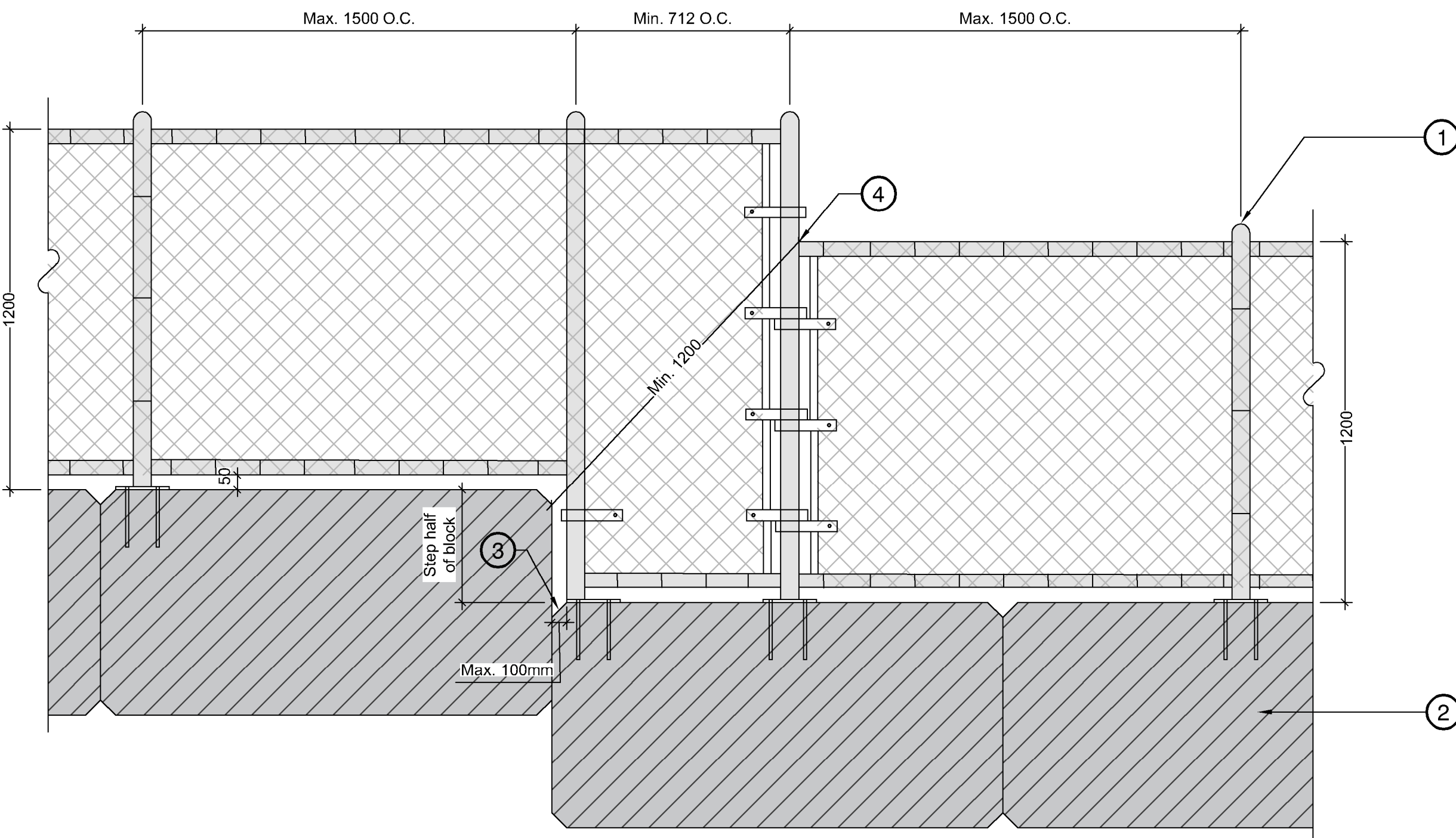
- Post spacing shall be equidistant to a maximum of 1500mm o.c. unless noted otherwise on layout and materials plan.
- All fittings must be made of first grade malleable iron, pressed steel or aluminum powder coated and welded in place black powder coat finish.
- Contractor to ensure proper coordination 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

3 CHAIN LINK GUARDRAIL TRAVERSING STEPPED LOCK BLOCK WALL

1:15



- 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 point. 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.

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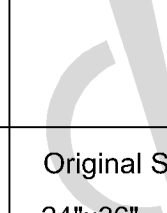
No.	By:	Description	Date
REVISIONS TABLE FOR SHEET			

Project:

BURKE MOUNTAIN ATHLETIC PARK

Location:

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

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

Drawing Title:
DETAILSVDZ Project #:
PR2023-04Drawing #:
LD-07

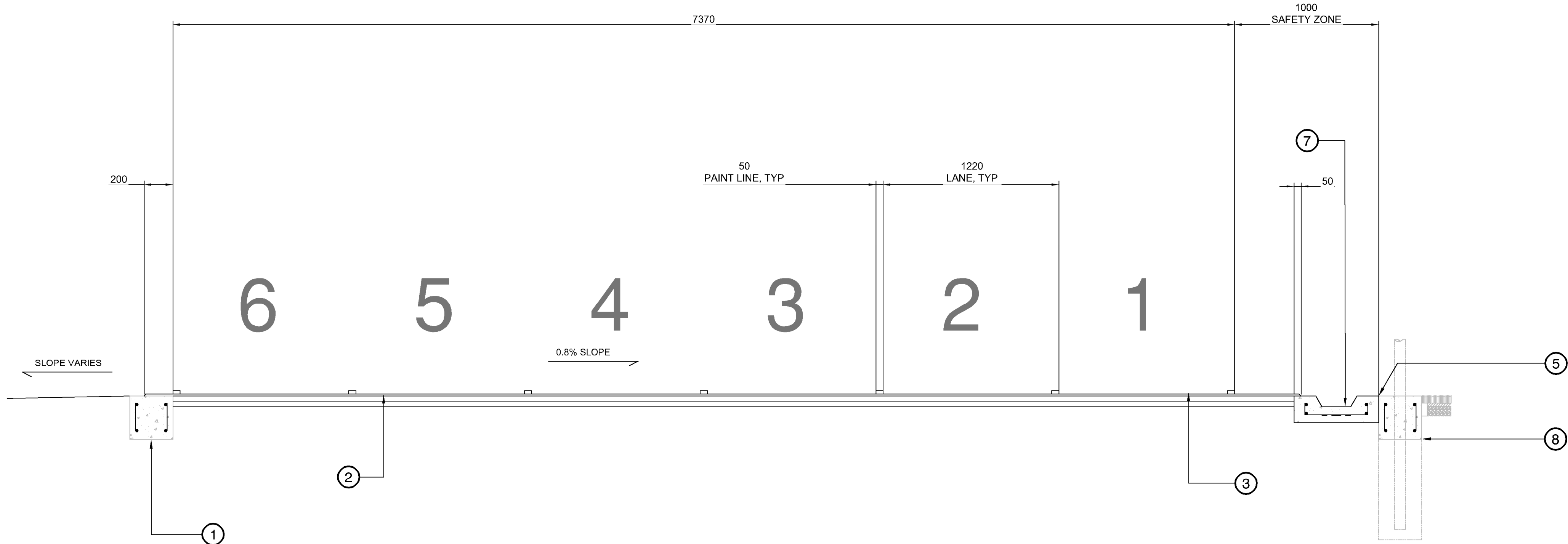
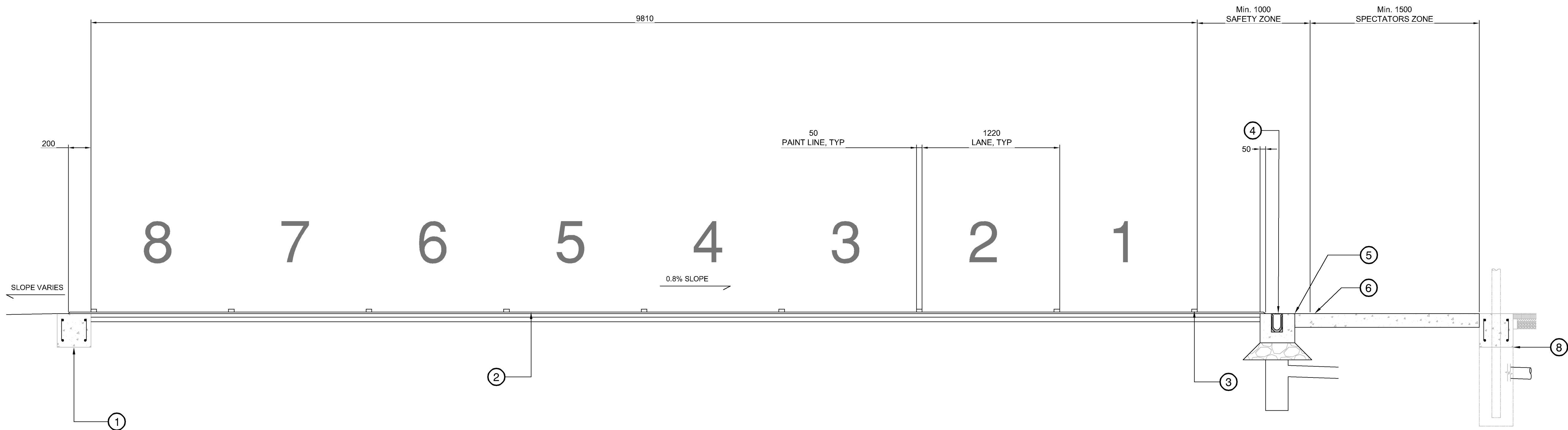
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1 TRACK SECTIONS

1:20

- 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



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Project:			
BURKE MOUNTAIN ATHLETIC PARK			
Location:			
3390 & 3400 DAVID AVENUE, COQUITLAM, B.C.			
Drawn:	Stamp:		
Checked:			
Approved:			
Scale:	Original Sheet Size: 24"x36"		
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 TO DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.		

Drawing Title:
DETAILS

VDZ Project #:
PR2023-04

Drawing #:
LD-08

SYMBOL	DESCRIPTION
	IRRIGATION CONTROLLER - TORO SENTINEL DXI, 2-WIRE AC CONTROLLER CABINET TO BE A STAINLESS STEEL WALL MOUNT - INCLUDES A TORO MRC CELLULAR KIT & ANTENNA MODEL NUMBER 10 TO BE VERIFIED FROM TORO
	RAINBIRD 1806-SMAZ-PRS SERIES, 100mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 1812-SMAZ-PRS SERIES, 150mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 5004-SMAZ-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/SOCKET
	50mm BRASS DRAIN VALVE ASSEMBLY
	RAINBIRD 5RC SERIES 25mm QUICK COUPLER VALVE
	TOYO 206A RW 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
	TWO-WIRE 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-440 FOR ENTIRE PATHWAY - BLUE
	50mm/75mm SCH40 CSA PVC MAINLINE PIPE - SW*
	25mm - 50mm CLASS 200 CSA PVC LATERAL PIPE - SW*
	SCH40 DPVC 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.

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

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

DAVID AVE.

MATCHLINE - IR-04
MATCHLINE - IR-02

MATCHLINE - IR-03
MATCHLINE - IR-02

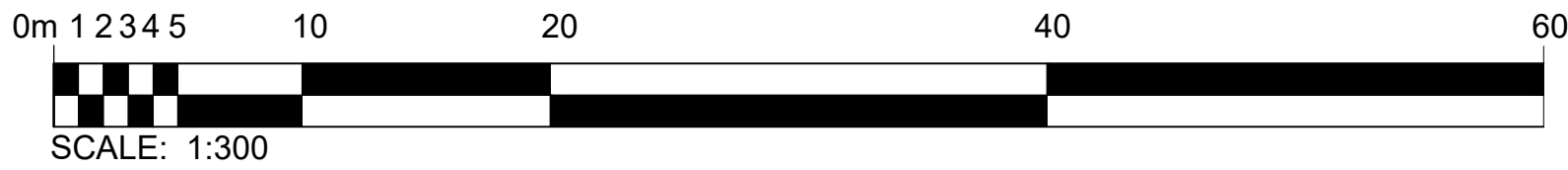
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Drawing #:

BURKE MOUNTAIN PARK

IRRIGATION SYSTEM DESIGN - OVERALL SITE



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.

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

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

PIPE SIZING CHART

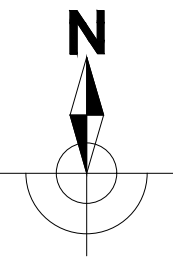
SPRINKLER	# OF SPK's	PIPE SIZE
RAINBIRD 1806/12-SAM-PRS	1-12	25mm
RAINBIRD 1806/12-SAM-PRS	13-25	38mm
RAINBIRD 1806/12-SAM-PRS	26-40	50mm
RAINBIRD 5004-SAM-PRS-PC	1-5	25mm
RAINBIRD 5004-SAM-PRS-PC	6-12	38mm
RAINBIRD 5004-SAM-PRS-PC	13-20	50mm
RAINBIRD 5004-SAM-PRS-FC	2	25mm
RAINBIRD 5004-SAM-PRS-FC	3-6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

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:
D.E.P.

Stamp:

Checked:
TM

Approved:
TM

Scale:
1:300



Original Sheet Size:
24"x36"

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Drawing Title:

BURKE MOUNTAIN PARK
IRRIGATION SYSTEM DESIGN

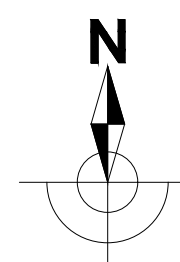
VDZ Project #:

PR2023-04

Drawing #:

IR-02

FOR RFP



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

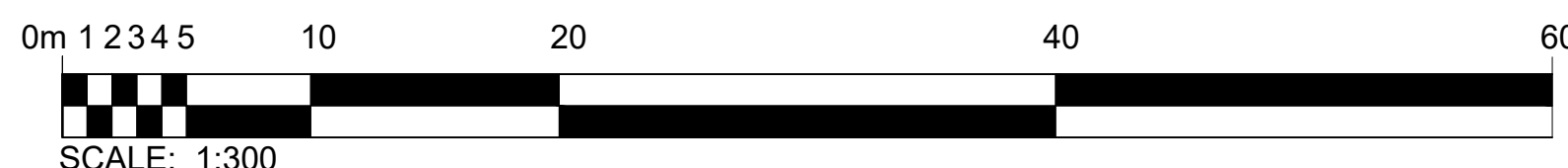
NOZZLE CHART

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 DXi; 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, 5B-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

ELECTRIC CONTROL VALVE ASSEMBLY - 25mm
REFER TO CITY DETAIL #6 - PAGE IR-06 - 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.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.NOTE: ALL CONSTRUCTION INSTALLATION DETAIL CALL-OUTS WILL REFER TO
THE CITY OF COQUITLAM - PARK DEVELOPMENT STANDARD DRAWINGS AS PROVIDED - TYP.

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
No.	By:	Description	Date

REVISIONS TABLE FOR DRAWINGS

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4	DEP	Updated Base Plan & Charts	May 05, 2025
3	DEP	Revised Zone Numbers	Dec. 16, 2024
2	DEP	Updated Layout - Page Numbers	Dec. 16, 2024
No.	By:	Description	Date

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-03

Toro 2-Wire Decoder System Specifications

1. ALL COMMUNICATION CABLE SPLICES MUST ALWAYS FOLLOW THE FACTORY COLOR CODE, (BLACK TO BLACK, WHITE TO WHITE).
2. ALL ELECTRIC CONTROL VALVES (ECV'S) MUST BE EQUIPPED WITH 24 VOLT AC SOLENOIDS.
3. ALL DECODER TO SOLENOID WIRES MUST BE CONNECTED WITH THE CORRECT ORDER TO PROPERLY OPERATE THE SOLENOID.
4. THE TORO AC 2-WIRE FIELD DECODERS RED & BLACK OUTPUT WIRES MUST BE CONNECTED ONLY TO THE 2-WIRE PATHWAY (BLK & WHITE CONDUCTORS).
5. THE TORO AC 2-WIRE FIELD DECODERS COLORED OUTPUT WIRES MUST BE CONNECTED ONLY TO THE 24V SOLENOID LEADS.
6. 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.
7. ALL COMMUNICATION CABLE SPLICES ARE TO BE WATERPROOF USING A 3M DBY/R SPLICE KIT.
8. ALL TORO AC 2-WIRE DECODER SYSTEMS MUST BE PROPERLY GROUNDED TO PROTECT FROM POWER & LIGHTNING SURGES.
9. THE 2-WIRE COMMUNICATION CABLE MUST BE GROUNDED NO FURTHER THAN 300m FROM ANY DECODER.
10. THE SURGE PROTECTION DEVICE (TORO SB-BLA) MUST BE GROUNDED TO A COPPER GROUNDING PLATE. (100mm x 300mm)
11. DO NOT LOOP OR JOIN TOGETHER THE 2-WIRE DECODER PATHWAYS BACK TO THE CONTROLLER CIRCUIT BOARD.
12. ALL 2-WIRE PATHWAYS FROM THE CONTROLLER CIRCUIT BOARD ARE TO END AT A DECODER INSTALLED IN A VALVE BOX.
13. ABSOLUTELY ALL WIRE SPLICES MUST BE JOINED TOGETHER WITH THE USE OF AN APPROVED WIRE SPLICE KIT (3M DBY/R).
14. ALL COMMUNICATION CABLE TO BE CONSISTENT TYPE/SIZE THROUGHOUT PROJECT. (PAIGE WIRE, P7350D, AWG/2C, #14 GAUGE, PE UL).
15. THE ENTIRE TORO AC 2-WIRE CONTROL SYSTEM MUST BE INSTALLED ACCORDING TO THE TORO COMPANY FACTORY SPECIFICATIONS.
16. FOR ADDITIONAL INFORMATION ON THE INSTALLATION OF THIS TORO AC 2-WIRE DECODER SYSTEM PLEASE REFER TO: 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

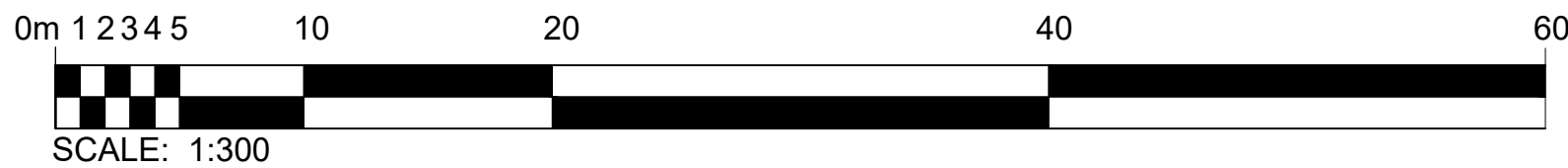
SPRINKLER	NOZZLE SIZE
RAINBIRD 1806/12-SAM-PRS	MPR - Per Plans
RAINBIRD 5004+SAM-PRS QUARTER CIRCLE	1.5 US GPM
RAINBIRD 5004+SAM-PRS HALF CIRCLE	3.0 US GPM
RAINBIRD 5004+SAM-PRS THREE-QUARTER CIRCLE	4.5 US GPM
RAINBIRD 5004+SAM-PRS FULL CIRCLE	6.0 US GPM

LEGEND

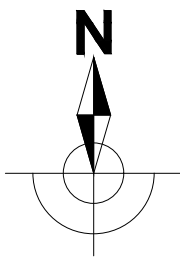
SYMBOL	DESCRIPTION
	IRRIGATION CONTROLLER - TORO SENTINEL DXi 2-WIRE AC CONTROLLER CABINET TO BE A STAINLESS STEEL WALL MOUNT - INCLUDES A TORO M&C CELLULAR KIT & ANTENNA MODEL NUMBER TO BE VERIFIED FROM TORO
	RAINBIRD 1806-SAM-PRS SERIES, 100mm FIXED POP-UP SPRAY HEAD - MPR NOZZLES per Plans
	RAINBIRD 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 SLEEVEING - 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

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
No.	By:	Description	Date

REVISIONS TABLE FOR DRAWINGS			
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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
No.	By:	Description	Date

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 REZONING/DPP/PA/HABP DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.
1:300	

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.

IRRIGATION INSTALLATION NOTES

1. 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.
2. 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.
3. THE IRRIGATION SYSTEM DESIGN BASED UPON A MIN. WEEKLY REQUIREMENT OF 38mm. PEAK ET OCCURRING IN JULY/AUG OF 7.20mm.
4. PRECIPITATION RATES FOR TURF AREAS IS BASED UPON AN AVERAGE OF NOZZLE SIZES. ALWAYS USE MATCHED NOZZLES.
5. DESIGN DAILY RUN TIMES ARE BASED UPON A (4) FOUR DAY per WEEK WATERING SCHEDULE. BASED ON (1) ONE YEAR GROW IN PERIOD.
6. A MAX. WATER WINDOW OF (7) SEVEN Hrs. IS REQ'D FOR THE IRRIGATION SYSTEM AS DESIGNED. PROGRAMMED TO OPERATE (4) FOUR ZONES SIMULTANEOUSLY.
7. POP UP SPRINKLER SPACING IS NOT TO EXCEED 50% ACCOUNTING FOR A MINIMUM 4 MPH WIND FACTOR.
8. 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.
9. 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.
10. INSTALL ALL ELECTRICAL CONDUIT AS per PLANS. USE CSA NON-METALLIC DB2 PVC CONDUIT - GREY IN COLOR. SIZES as SHOWN ON DESIGN.
11. 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.
12. 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.
13. 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.
14. ALL SPRINKLERS ARC's AND RADIUS's ARE TO BE ADJUSTED TO MINIMIZE OVER SPRAY ONTO ADJACENT HARD SURFACES.
15. ALL SPRINKLERS TO BE INSTALLED WITH SCH40 PVC TRIPLE PVC SWING JOINTS AND SCH80 PVC NIPPLES.
16. INSTALL ALL MAINLINE PIPE AT A MINIMUM OF 600mm BURY DEPTH - TOP OF PIPE. BED PIPE WITH 150mm OF CLEAN, ROCK FREE SAND.
17. INSTALL ALL LATERAL PIPING AT A MINIMUM OF 450mm BURY DEPTH - TOP OF PIPE. BED PIPE WITH 100mm OF CLEAN, ROCK FREE SAND.
18. ASSEMBLY & INSTALLATION OF ALL IRRIGATION COMPONENTS ARE TO FOLLOW THE DETAILS & SPECIFICATIONS LISTED ON PAGES IR-04 & IR-05.
19. 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.
20. 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.
21. 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.)
22. 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



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
No.	By:	Description	Date
REVISIONS TABLE FOR DRAWINGS			
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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
No.	By:	Description	Date

REVISIONS TABLE FOR SHEET

Project:

BURKE MOUNTAIN PARK

Location:

3390 & 3400 DAVID AVENUE.
COQUITLAM, BC

Drawn:

D.E.P.

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/HABP DRAWINGS MUST NOT BE PRIED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.

Drawing Title:

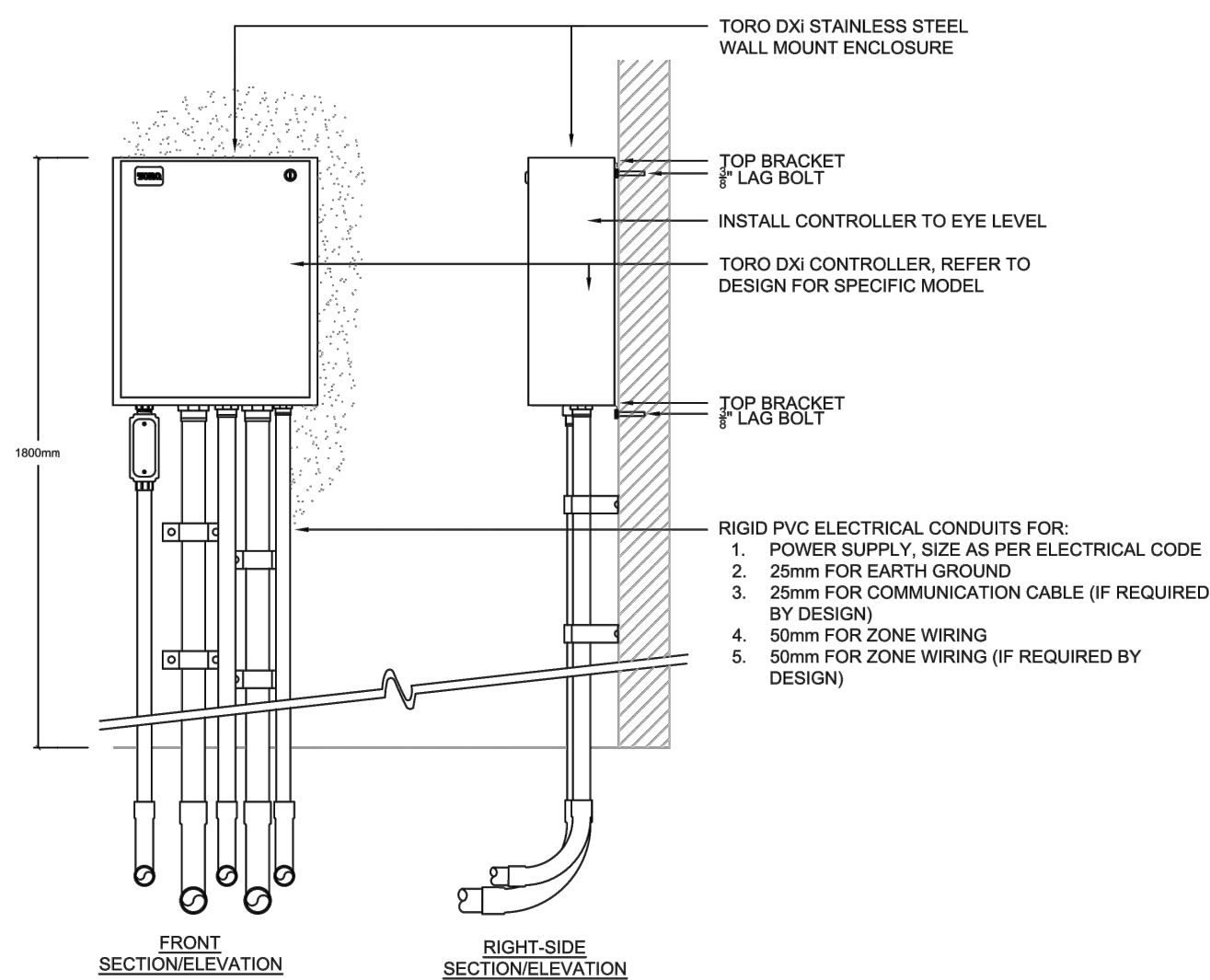
BURKE MOUNTAIN PARK
IRRIGATION SYSTEM NOTES & SPECIFICATIONS

VDZ Project #:

PR2023-04

Drawing #:

IR-05



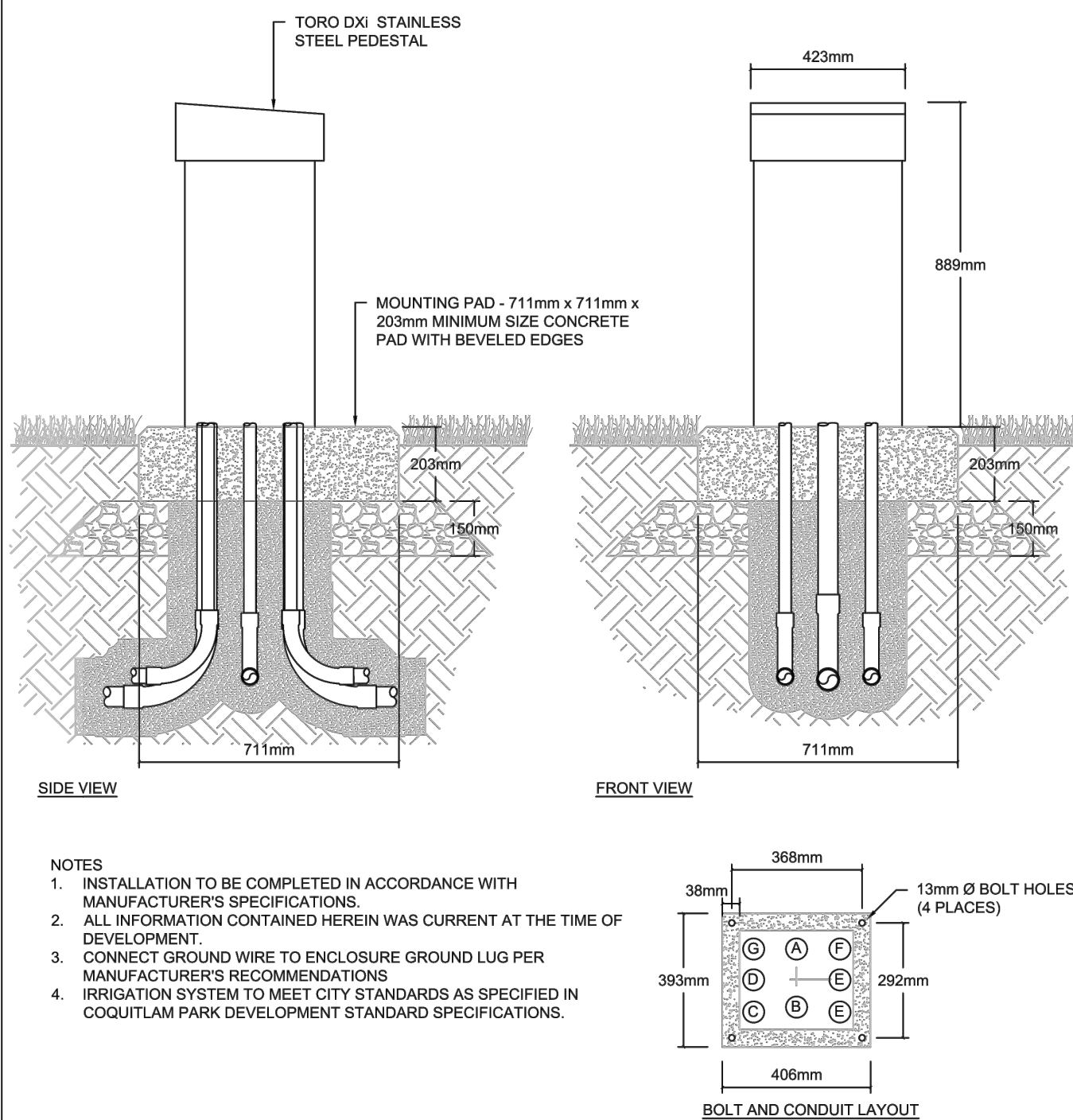
- NOTES
1. CONNECT GROUND WIRE TO ENCLOSURE GROUND LUG PER MANUFACTURER'S RECOMMENDATIONS
 2. IRRIGATION SYSTEM TO MEET CITY STANDARDS AS SPECIFIED IN COQUITLAM PARK DEVELOPMENT STANDARD SPECIFICATIONS.

IRRIGATION CONTROLLER
WALL MOUNT

DATE: 2024/11/04
DRAWN: RH
SCALE: 1:15

DRAWING NUMBER:
COQ-LI01

1 Irrigation Controller Wall Mount Assembly - COQ-LI01
IR-06



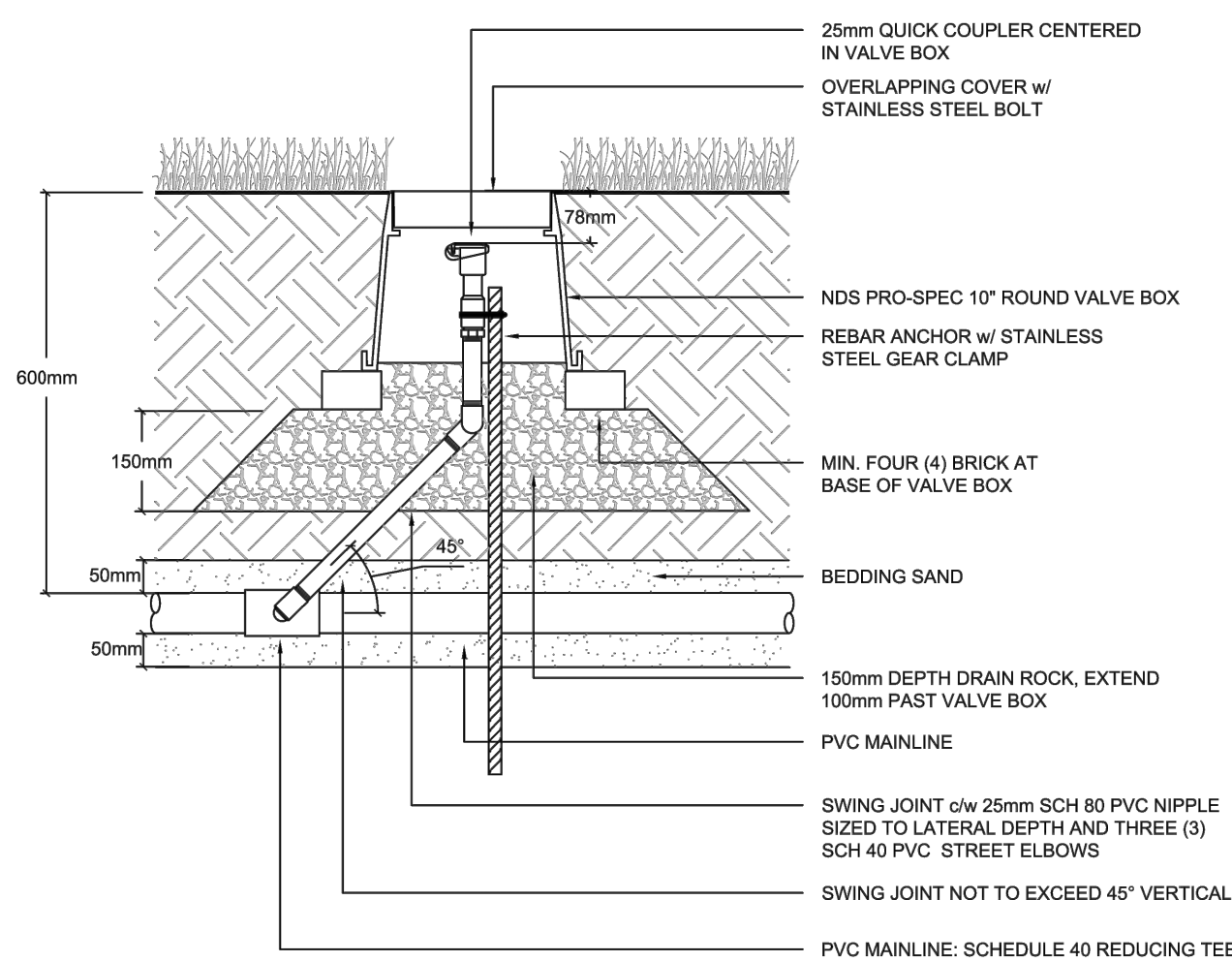
- NOTES
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
 2. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT
 3. CONNECT GROUND WIRE TO ENCLOSURE GROUND LUG PER MANUFACTURER'S RECOMMENDATIONS
 4. IRRIGATION SYSTEM TO MEET CITY STANDARDS AS SPECIFIED IN COQUITLAM PARK DEVELOPMENT STANDARD SPECIFICATIONS.

IRRIGATION CONTROLLER
PEDESTAL

DATE: 2024/11/04
DRAWN: RH
SCALE: 1:15

DRAWING NUMBER:
COQ-LI02

2 Irrigation Controller Pedestal Mount Assembly - COQ-LI02
IR-06



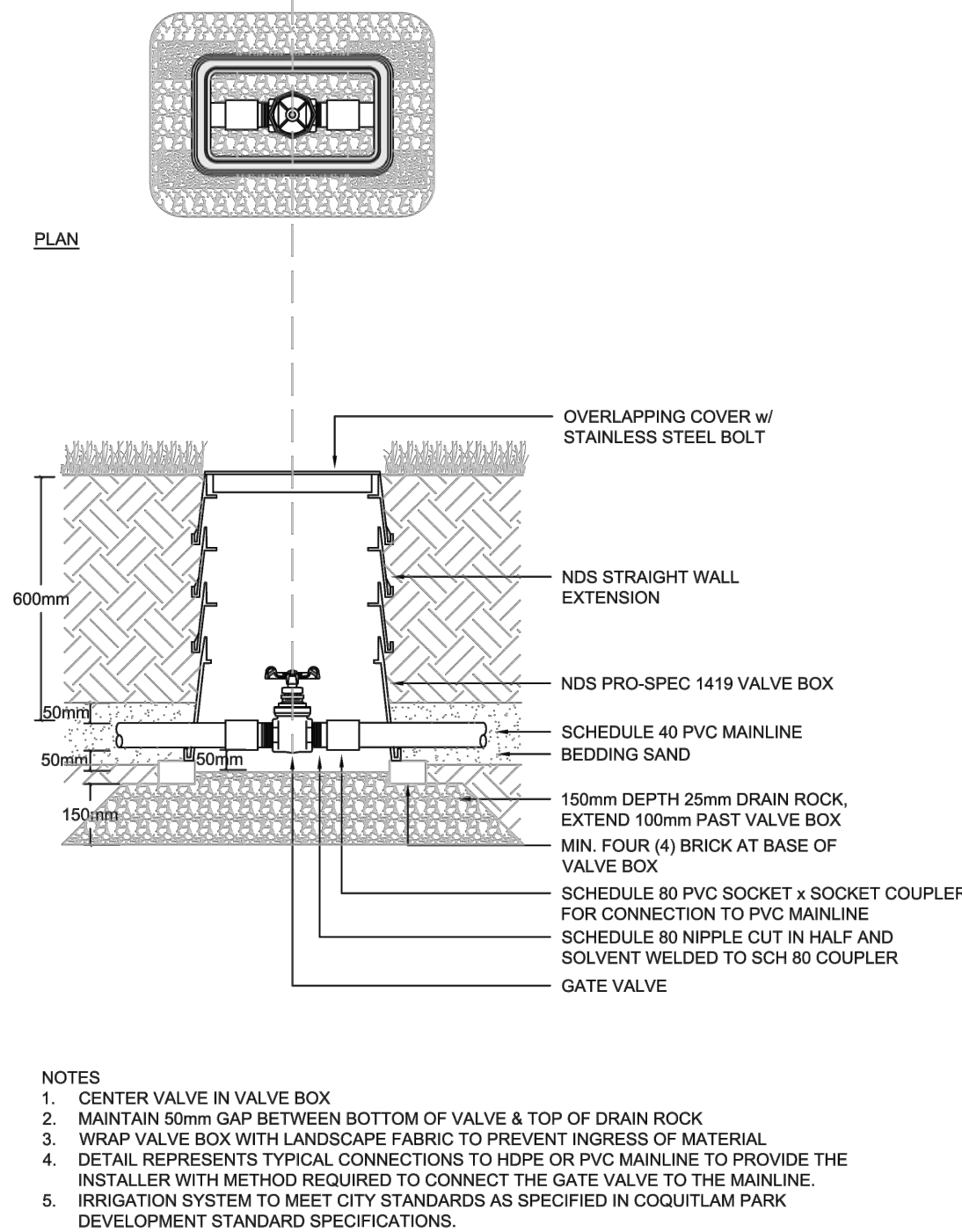
- NOTES
1. CENTER VALVE IN VALVE BOX
 2. WRAP VALVE BOX WITH LANDSCAPE FABRIC TO PREVENT INGRESS OF MATERIAL
 3. IRRIGATION SYSTEM TO MEET CITY STANDARDS AS SPECIFIED IN COQUITLAM PARK DEVELOPMENT STANDARD SPECIFICATIONS.

QUICK COUPLER

DATE: 2024/11/04
DRAWN: RH
SCALE: 1:10

DRAWING NUMBER:
COQ-LI08

3 25mm Quick Coupler Valve Assembly - COQ-LI08
IR-06

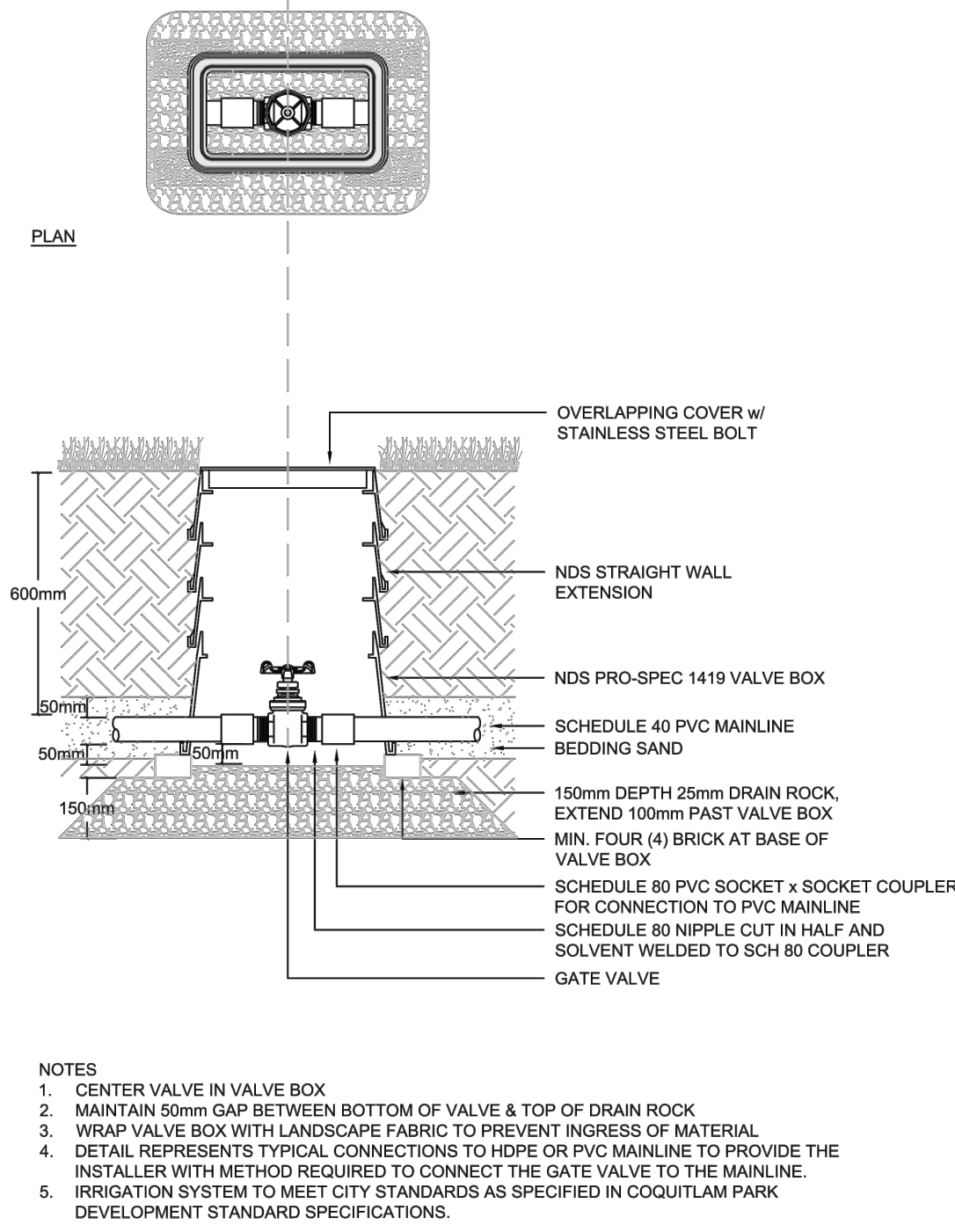


GATE VALVE
25mm TO 50mm

DATE: 2024/11/04
DRAWN: RH
SCALE: 1:10

DRAWING NUMBER:
COQ-LI09

4 50mm Brass Isolation Gate Valve Assembly - COQ-LI09
IR-06

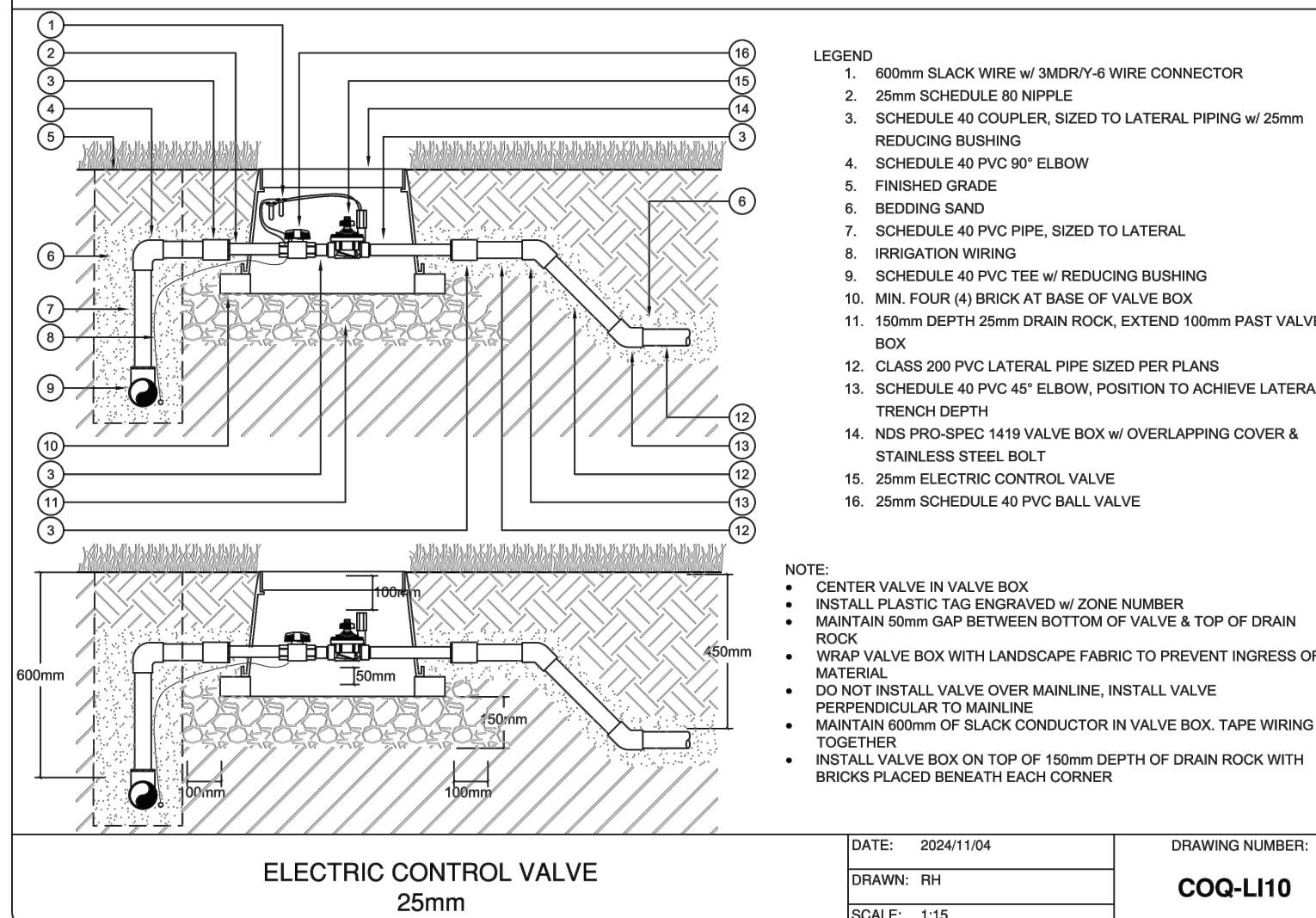


GATE VALVE
75MM

DATE: 2024/11/04
DRAWN: RH
SCALE: 1:10

DRAWING NUMBER:
COQ-LI09

5 75mm Brass Isolation Gate Valve Assembly - COQ-LI09
IR-06



ELECTRIC CONTROL VALVE
25mm

DATE: 2024/11/04
DRAWN: RH
SCALE: 1:15

DRAWING NUMBER:
COQ-LI10

6 25mm Electric Control Valve Assembly - COQ-LI10
IR-06

FOR RFP



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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No.	By:	Description	Date
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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:
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.
N.T.S.	

BURKE MOUNTAIN PARK
IRRIGATION SYSTEM DETAILS

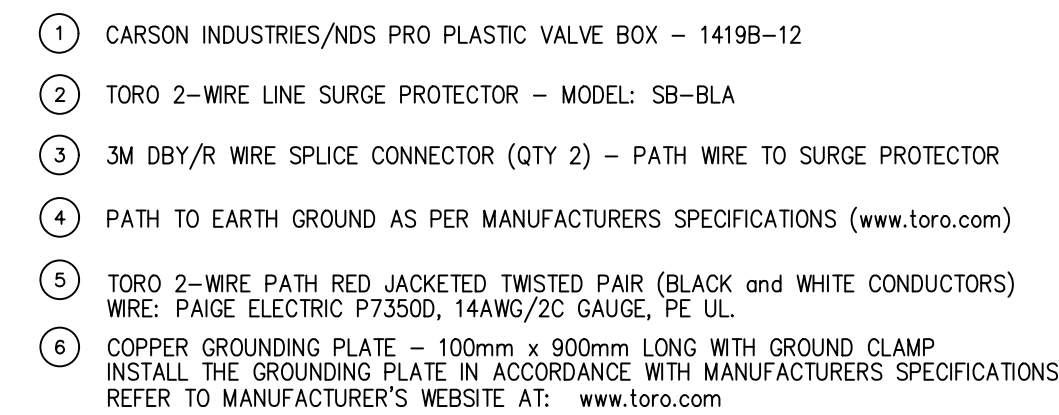
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VZD Project #:

PR2023-04

Drawing #:

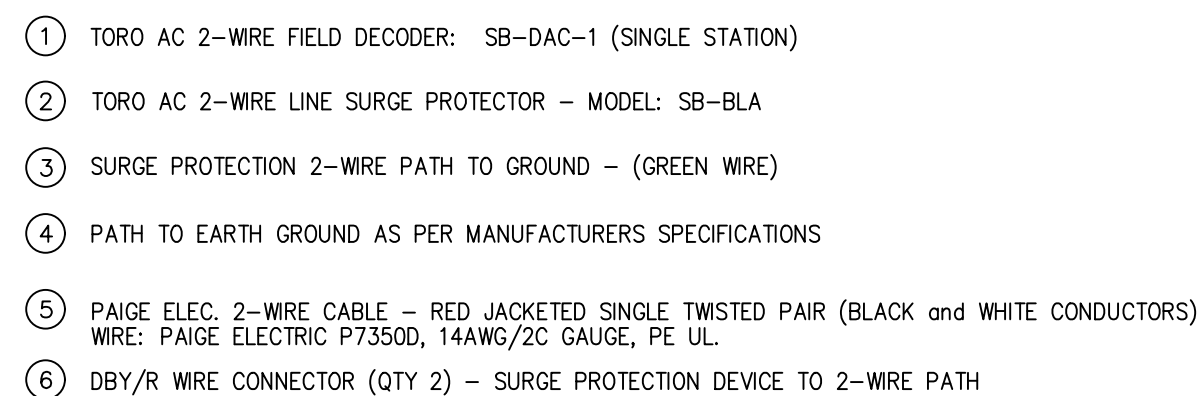
IR-06



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: 58-BLA) MUST BE CONNECTED TO A COPPER GROUNDING PLATE THAT IS AT LEAST 100mm x 900mm 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.

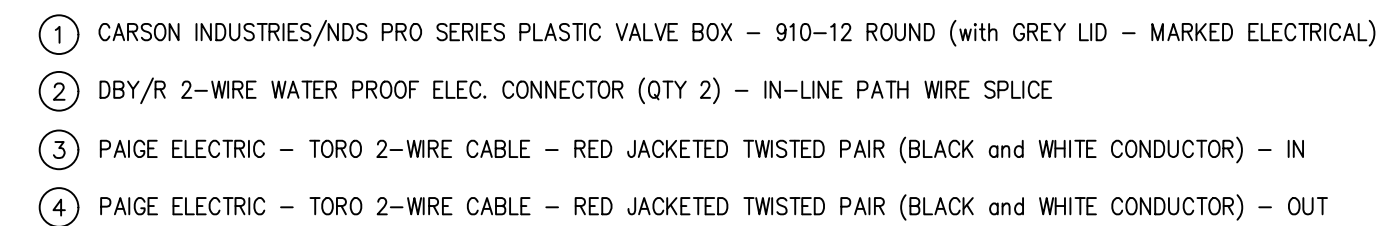
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2-WIRE SURGE PROTECTION DEVICE INSTALLATION NOTES:

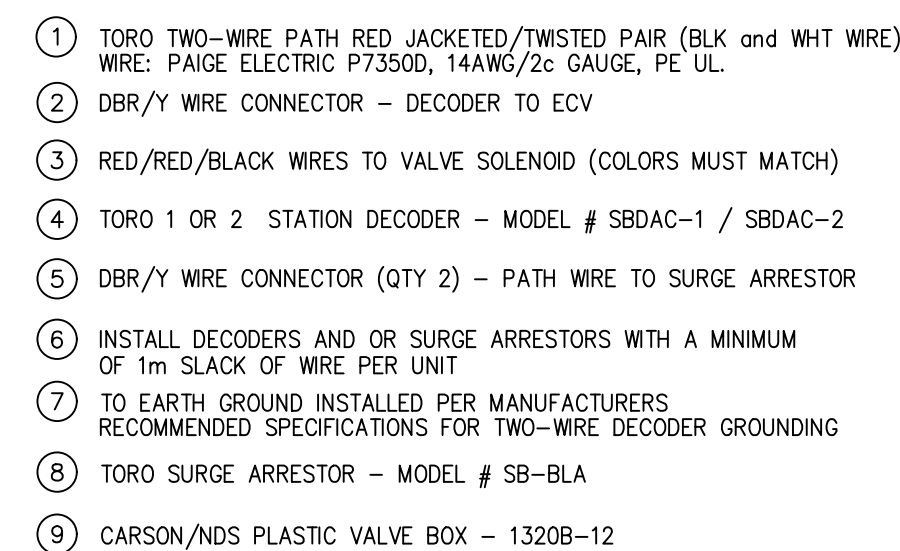
1. ALL SURGE PROTECTION CABLE SPECIES MUST ALWAYS FOLLOW THE COLOR CODE (BLACK TO BLACK WIRES AND WHITE TO WHITE WIRES AND GREEN FOR GROUND)
2. MAXIMUM DISTANCE BETWEEN SURGE PROTECTION DEVICES IS LIMITED TO 300m (NO ECV IS TO BE FARTHER THAN 150m FROM A SURGE PROTECTOR DEVICE)
3. ALL SURGE PROTECTION 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.

SCALE: N.T.S.



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

SCALE: N.T.S.

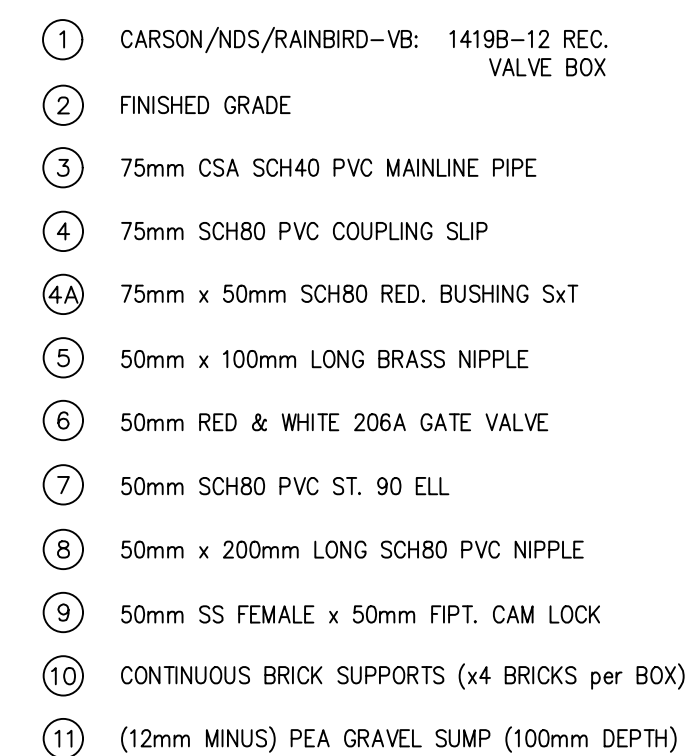


TORO AXI DECODER INSTALLATION NOTES:

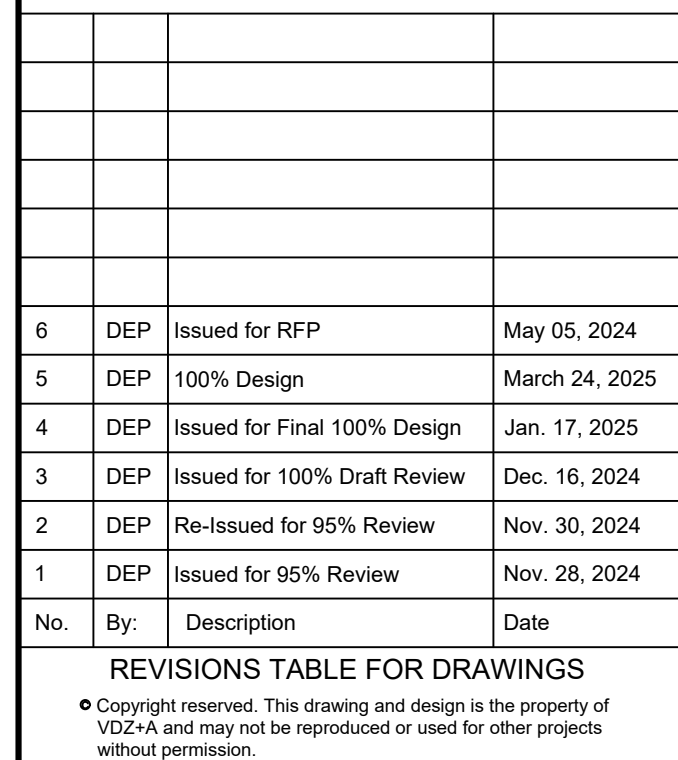
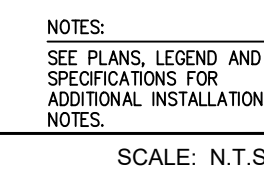
1. ALL COMMUNICATION CABLE SPICES MUST ALWAYS FOLLOW THE COLOR CODE.
(BLACK TO BLACK WIRES ARE ALWAYS WHITE WIRE)
2. ALL ELECTRIC CONTROL VALVES MUST BE EQUIPPED WITH A 24V AC SOLENOID. (TORO MODEL - R811)
3. ALL DECODER TO SOLENOID WIRES MUST BE CONNECTED WITH THE CORRECT WIRE TO PROPERLY OPERATE THE 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 ON EACH WIRE AND COVER WITH A WHITE PLASTIC WATERPROOF SPlice.
6. SECURE THE DECODER AND/OR SPlice ARRESTOR UNIT WITH SCREWS TO THE SIDE WALL OF THE VALVE BOX. COIL UP SLACK WIRE AND PLACE IN VALVE BOX.

with Surge Protection

SCALE: N.T.S.




18	50mm Mainline Drain Valve Assembly
IR-08	



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

<p>REVISIONS TABLE FOR SHEET</p>	
<p>Project:</p>	<p>BURKE MOUNTAIN PARK</p>
<p>Location:</p>	<p>3390 & 3400 DAVID AVENUE. COQUITLAM, BC</p>

Drawn:	
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/IFP/IFP/HAPP DRAWINGS MUST NOT BE PRICED FOR CONSTRUCTION UNLESS LABELED ISSUED FOR TENDER/CONSTRUCTION.
N.T.S.	