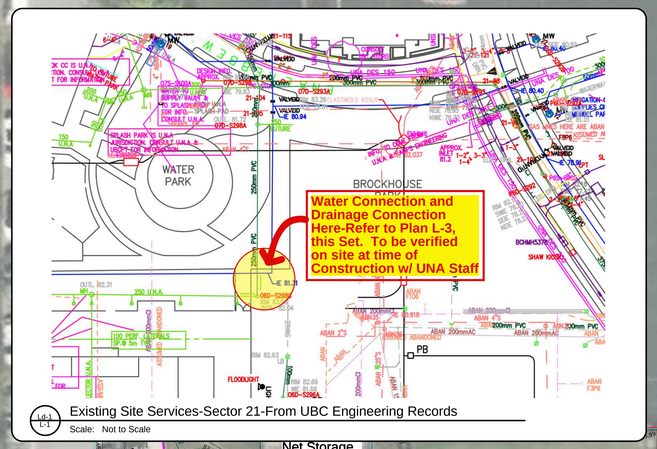


L-1 Existing Site Services-Sector 21-From UBC Engineering Records
Scale: Not to Scale

NEW UNIVERSITY HILL/ UNA COMMUNITY FIELD

SPLASH PARK COMMUNITY PARK SITE

DESIGNATED CONSTRUCTION ACCESS ROUTE OFF WEBBER LANE (with Lockable Service Gate)

CONSTRUCTION ACCESS
Protect existing street trees, boulevard and concrete sidewalk/curb as required with steel plates and dual lift of Pit Run and Road Mulch. Restore all to original or better condition. Ensure pipe on gutter line to allowstormwater to continue to flow south as required.

CHAIN DIMENSIONS FOR LAYOUT GUIDANCE ON STOCKPILING-APPROX.

FIXED LAYOUT CENTRE POINT-EDGE OF SLAB

REM DL 6494 G1
REF. PLAN BCP30253

REM PT. F
PLAN BCP35352

Net Storage
Hydro PMT
Sportsfield Lightpole
Light Kiosk
Sportsfield Players Box
Sportsfield Lightpole
Field Service Access
Existing Park Circulation Gathering/Bikes
Existing Trees/Gardens to Remain
Blvd. Crossing
ROSS DRIVE

LARGE DOG AREA-see Plan L-2

USE NE CORNER OF EXISTING SAND FOR NEW SAND DIGGING AREAS(in DOG PARK)

Leave North Sirle Bank in situ

Approx Volume Sand in NE Corner if still 12" deep: = 320m2 x 0.3=96m3

NEW SAND DIGGING AREA NEEDS: =123M2 X0.4M AVE=50M3 (Strip 400mm under areas not presently covered w/ sand under direction of Consultant)

USE EXIST. BERM CAP TO CREATE NEW DOG PARK BERMS

Existing Berm at ave. 1.5m high (it's just higher than this). =2.34m2 x (1.5mx60%)=≈200m3 USED 60% to reflect "Dome Shape" of Cap.

SMALL DOG AREA -see Plan L-2

NEW BERM NEEDS: =64M2 X1.0M AVE=64M3

NEW SAND DIGGING AREA NEEDS: =36M2 X0.4M AVE=16M3 (Strip 400mm under direction of Consultant)

SAND VOLLEYBALL COURTS TO REMAIN (5 COURTS TO REMAIN, AS COORDINATED WITH UNA)

Court 1 Court 2 Court 3 Court 4 Court 5 Court 6 Court 7 Court 8

MOST OF SAND LEAVES SITE (Small Amount retained for on site Dog Park "DIGGING AREAS")

Approx Volume Sand if still 12" deep= 875m2 x 0.3=262m3
MINUS APPROX. 65M3 LEFT ON SITE FOR NEW DOG DIGGING AREAS =200M3 AVAILABLE TO URBAN REC.

NEW BERM NEEDS: =177M2 X0.5M AVE=88.5M3

USE SIDEBANK TO FILL SAND HOLE

Side Bank Area rising ±1.0m –352m2 x 0.5m ave.=176m3

Approx Extents of Work at West-Edge of 5th Court from East-For Urban Rec's Portion of Site Preparation

CHAIN DIMENSIONS FOR LAYOUT GUIDANCE ON STOCKPILING-APPROX.

ACCESS ALIGNMENT TO BE SET BY UNA PROJECT MANAGER AT TIME OF CONSTRUCTION

(Ensure-Flag Person at All Times DURING ANY HAULING ACTIVITY)

Reclaimed Staging Area Remediated (By Others-Ahead of this Contract). UNA will coordinate

NORTHEAST CORNER OF CURRENT STAGING AREA
UNA will coordinate directly with Polygon for this area to be properly remediated by Polygon ahead of or coinciding with work of this Contract. Work to include at minimum:
1. removal of construction fencing/re-aligned as shown.
2. strip/removals of "parking lot granulars".
3. place and compact new fills and min. 6" growing medium or slavaged on-site organics to support new lawn.
4. grading as required to blend with surrounding works.
5. See and/or Sod to approval of UNA.

LOCK BLOCK TO BE REMOVED BY URNAN-REC-NIC Urban-Rec will relocate lockblock net support block, ahead of this Contract.

WORDSWORTH CONSTRUCTION STAGING
Note: Area Remains as project Staging for Polygon Development for Duration of this Project.

WEBBER LANE

NOTE-THERE IS ON SITE PREPARATORY WORKS COORDINATED IN ADVANCE BY THE UNA, PRIOR TO CONSTRUCTION OF DOGPARK FORMALLY COMMENCING. These works include but are not necessarily limited to the following:

1. **Reinstatement of Woodsworth Staging Area as indicated by Polygon.(This may run concurrent with work of this Contract-Confirm at time of Bid.**
2. **Removal of east portion of Sand Volleyball as indicated by Urban Rec. Confirm "inherited" site conditions at time of Bid.**
3. **Ongoing maintenance by UNA or their contracted maintenance personnel.**

General Notes:

1. Base information compiled in MARCH 2025 from site review/analysis by RFLA Inc. Topographical Survey by APLIN AND MARTIN-2024. Contractor responsible to confirm all site conditions at time of Tender and notify Consultant/Owner of any discrepancies affecting the work.
2. Contract Limit Line as noted. Contractor responsible to remediate all damaged/disturbed areas due to work of this Contract to original(or better) condition. Any work beyond contract limits, if required, except for remediation of damaged access routes(as instance) or work specifically noted or shown as "included in the Contract", will be considered "extra" to the work of this Contract. The contractor shall identify this work and obtain written approval from UNA prior to proceeding.
3. Contractor to obtain all permits, approvals and licensing required to conduct work at UBC Vancouver Campus.
4. Verify location and existence of all existing site services(if any). Identify with the Owner all items to be saved for reinstallation. Cap all lines as necessary and be responsible to leave any "systems" encountered in fully operable condition. (Such as existing Irrigation and/or Sub-Drainage Systems), if encountered. WE ARE NOT AWARE OF ANY SITE IRRIGATION SYSTEM ON THIS PROPOSED SITE.
5. Maintain set of record drawings for all existing sub-surface drainage(or other site services encountered on site and record on prints all new lines encountered and/or discrepancies with existing services as shown on these Drawings.

PLACING EXCESS SITE FILLS
- SOURCE/LOCATION WILL BE PROVIDED BY UNA OR THEIR DESIGNATED REPRESENTATIVE.
- ENSURE ADEQUATE COMPACTION TO ALL AREAS RECEIVING GREATER THAN 150mm DEPTH FILL MATERIAL - TYPICAL. COORDINATE WITH OWNER AND GEOTECHNICAL CONSULTANT ON SITE(AS APPLICABLE) AT TIME OF CONSTRUCTION.

Specific Demolition Works Shall Also Include:
1. Targeted turf stripping operations to Dog Park Sites where required. All material from this work to be retained for use as Fill and/or Growing Medium and/ or fill as allowed by Consultants.
2. General earthworks and blading of site to establish all rough subgrades. Import and/or use salvaged on site materials as allowable/approved by Consultant.
3. Works "By Others"(services/maintenance operations etc.) maybe running concurrently with work of this Contract. BE RESPONSIBLE TO COORDINATE/COOPERATE WITH ANY RELATED WORKS AND TO ALLOW ACCESS AS MAY REQUIRED. COOPERATE WITH UNA MAINTENANCE CONTRACTOR TO MAINTAIN SITE MARGINS.

Existing Site Services Investigation:
1. This contractor is responsible for the identification and protection of all above and below ground site services and utilities. This work to meet the standard "call before you dig" service req'ments **and must be done PRIOR TO mobilization on site. MAKE REQ'D SEPARATE CALL TO BC ONE CALL AS REQ'D.**
2. **Coordinate with Urban Rec and or Polygon as may be required in areas of "work by others".**

NOTE: ALL AREAS BEYOND CONTRACT LIMIT LINE TO BE LEFT IN AN EASILY ACCESSIBLE UNDISTURBED FASHION TO ALLOW FOR ONGOING MAINTENANCE OPERATIONS BY UNA AND/OR UBC PLANT OPS. COORDINATE AND COOPERATE AS REQUIRED. NO STORAGE OF ANY CONSTRUCTION MATERIALS OR SUPPLIES WILL BE ALLOWED BEYOND THE CONSTRUCTION LIMIT LINE. ARRANGE FOR ANY HARD SURFACE STORAGE REQ'MNTS ON SITE AS PER CONTRACTOR'S "STAGING PLAN".

UBC ENGINEERING NOTES:
1. **ENSURE ALL MH'S,CB'S AND OTHER ACCESSIBLE CIVIL "SURFACE INFRASTRUCTURE" ELEMENTS ARE RAISED FLUSH WITH NEW GRADES-SEE existing site services inset.**
2. **MAINTAIN 1.0M CLEARANCE FROM ANY EXISTING OR NEW SITE SERVICES WITH ANY NEW TREE PLANTINGS…SEE PLANTING PLAN L-4.**
3. **STREET CLEANING AND ESC CONTROL MEASURES AS PER UBC VANCOUVER CAMPUS GUIDELINES. PLACE ALL SEDIMENT TRAPS AHEAD OF ANY EARTHWORKS COMMENCING.**

Demolition Legend:

- Existing Trees-RETAINED; all outside of scope area.
- 83.52 Existing Survey Grades-Refer to Surveyor's Legend for Specific Grade Labels.
- Property Lines-Refer to Surveyor's Legend
- Proposed Construction Limit Line (Not same as Property Line). Protect entire area with Moduloc Site Fence or approved equal.(1800mm hgt. Metal Mesh Fence). ENSURE EXISTING WALKWAYS ARE PASSABLE AND SAFE AS REQUIRED AND COORDINATED IN ADVANCE WITH UNA. BE PREPARED TO SHIFT AND MAINTAIN AS REQUIRED TO ENSURE EASE OF ONGOING MAINTENANCE ACTIVITIES BY UNA OR THEIR MAINTENANCE CONTRACTOR.
- Fenced Extents of Dog Parks-See Plan L-2
- GRANULAR PATHS FOR REMOVAL Remove and dispose OFF SITE in entirety. Determine with Consultant at time of Construction if granular can be salvaged for re-use on this site. LEAVE IN-SITU and/or stockpile as Req'd until ready to re-use IF approved.
- POLYGON STAGING AREA THAT REVERTS TO OPEN PARK SPACE-WORK BY OTHERS-NIC
- SAND VOLLEYBALL SOUTH SIDEBANK AREA. MATERIAL TO BE GRADED BACK INTO SAND VOLLEYBALL COURTS ONCE SAND IS REMOVED FROM SITE. WORK IS BY URBAN-REC AND IS NIC
- SAND VOLLEYBALL-AREA OF SAND REMOVAL, EXTENT OF FULL AREA. REMOVALS BY URBAN-REC.-NIC
- SAND VOLLEYBALL NE CORNER-AREA OF SAND TO BE RETAINED FOR NEW DOG PARK DIGGING AREAS. SAND WILL BE STOCKPILED FOR USE BY THIS CONTRACTOR. WORK IS BY URBAN-REC AND IS NIC
- EARTHWORKS CHAIN DIMENSIONING-START POINT SW CORNER OF SPLASHPARK -SOUTH PLAZA CONCRETE
- AREA OF EXISTING BERM "CAP". MATERIAL WILL BE STOCKPILED FOR USE BY THIS CONTRACTOR IN THE APPROXIMATE AREA OF NEW BERMS IN THE DOG PARK. STOCKPILE AND SPREAD WORK IS BY URBAN-REC AND IS NIC.
- AREA OF NEW DOG PARK SAND "DIGGING AREAS"-REFER TO PLAN L-2.
- AREA OF NEW DOG PARK TERRAIN PLAY BERMS-REFER TO PLAN L-2.
- GRAPHIC TO INDICATE WHERE MATERIALS MOVE ON THIS SITE AHEAD OF FORMAL DOG PARK CONSTRUCTION-WORK IS BY URBAN REC AND IS NIC.

NOT FOR CONSTRUCTION

0 5 10 20 40 50
All distances are in metres and decimals thereof unless otherwise indicated

ISSUED FOR TENDER-Dated May 30th, 2025

no.:	date:	item:
3.	May 30th/25	Issued for Tender
2.	May 23rd/25	Issued for Pre-Tender Review
1.	Mar. 28th/25	Issued for Client Coordination

Revision List:

RICHARD FINDLAY LANDSCAPE ARCHITECT INC
1989 West 13th Avenue, Vancouver, BC V6J 2H5
T 604 725-0521 E richard@rfla.ca W www.rfla.ca

Other Consultant:

Stamp: Project North

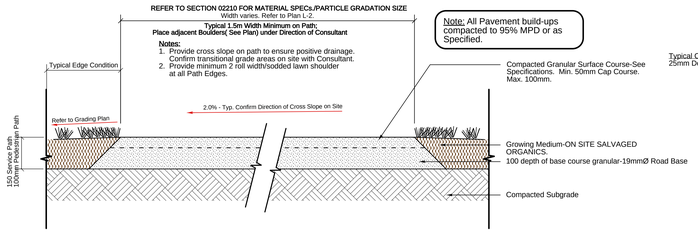
Project: UNA Dog Park
University Neighborhoods Assn.

Drawn by: R.F. Date: March 2025
Checked by: R.F. Scale: As Shown
Project No.: 25.05

Drawing Title: **Existing Conditions, Site Demolition, and Earthworks "Preparatory" Plan**

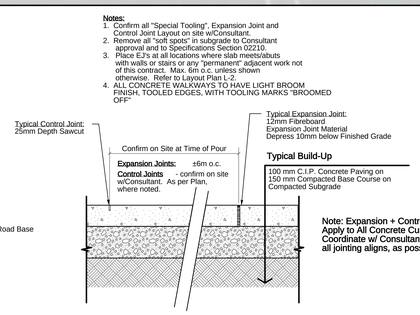
Drawing No.: **L-1** of **4** Revision No.: R-A

All information produced by Richard Findlay Landscape Architect Inc. on Macintosh™ platform. OSX Software PowerCad™ version 8.0



Note: All Pavement build-ups compacted to 95% MPD or as Specified.

Ld-1 L-2 Granular Pathway Detail-Service Path and Pedestrian
Scale: 1:10



Notes:
1. Confirm all "Special Tooling", Expansion Joint and Control Joint Layout on site w/Consultant.
2. Remove all "soft spots" in subgrade to Consultant approval and to Specifications Section 02210.
3. Place EJ's at all locations where slab meets/abuts with walls or stairs or any "permanent" adjacent work not of this contract. Max. 6m o.c. unless shown otherwise. Refer to Layout Plan L-2.
4. ALL CONCRETE WALKWAYS TO HAVE LIGHT BROOM FINISH, TOOLED EDGES, WITH TOOLING MARKS "BROOMED OFF"

Note: Expansion + Control Joints Apply to All Concrete Curbs and Walls. Coordinate w/ Consultant on site to ensure all jointing aligns, as possible.

Ld-2 L-2 CIP Concrete Paving Detail
Scale: 1:10

NOTE:
1. Owner supplied "Kit".
2. Provide price to erect pavillion and cast footings as noted on Plan.

Yardistry-Model Meridian-12 x 14'
Cedar Pavillion w/Metal Roof

www.yardistrystructures.ca

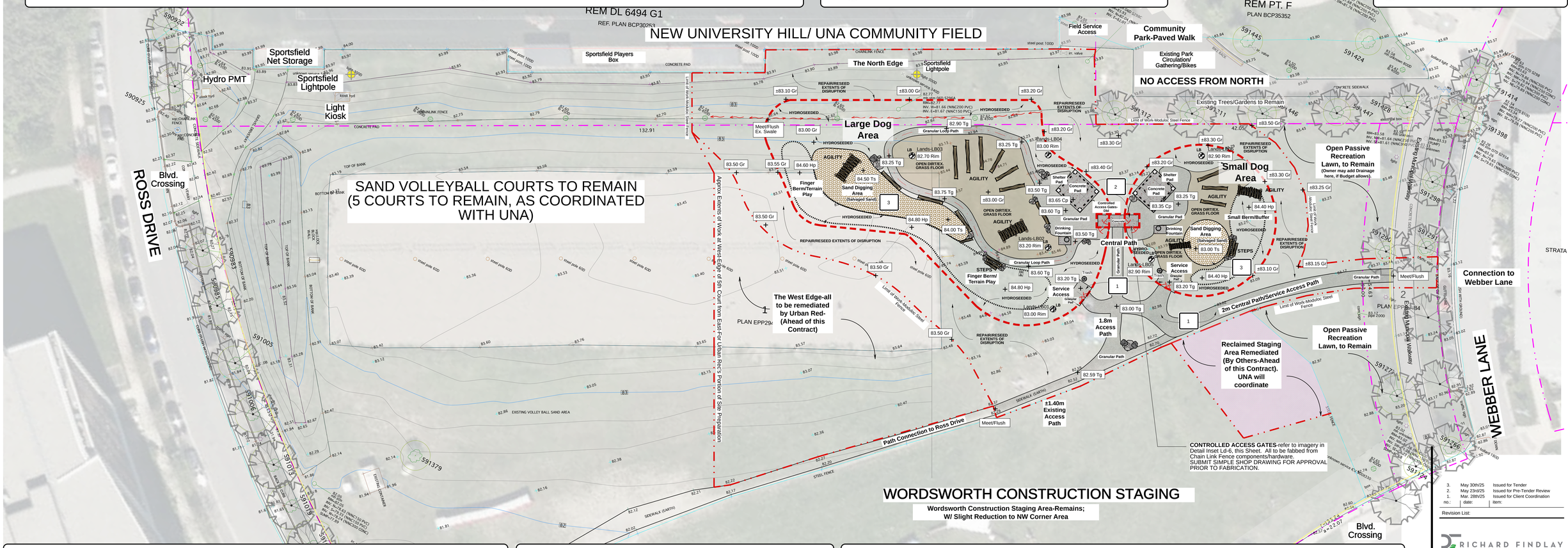
Ld-3 L-2 Shelter-Proprietary Kit-**OWNER SUPPLIED ITEM**
Scale: NTS

Global Industrial™ Steel Pet Waste Station

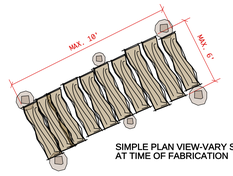
www.globalindustrial.ca

NOTE:
1. Owner supplied item.
2. Provide price to install in CIP cast footings as noted on Plan.

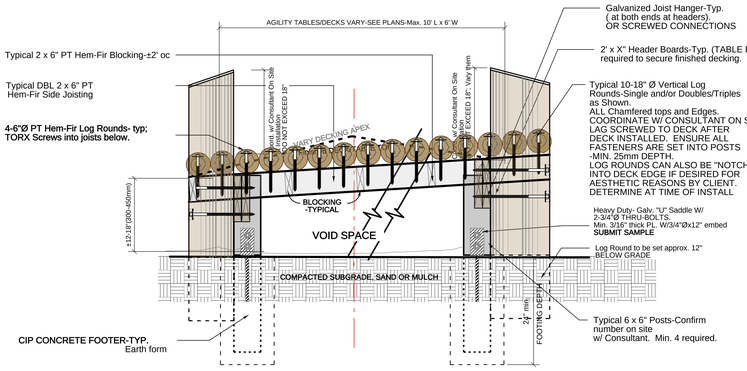
Ld-4 L-2 Dog Waste Station-**OWNER SUPPLIED ITEM**
Scale: NTS



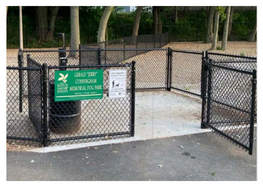
NOTES:
1. QUOTE AS ALL NEW TIMBER AGILITY DECKS.
2. REFER TO DWG. L-2 FOR DECK LAYOUT. COORD. JOISTING/DECKING AND FOOTING LAYOUT ON SITE AT TIME OF BUILD TO COINCIDE WITH INTENT AS SHOWN HEREIN.
3. CONDITIONS VARY UNDER AGILITY TABLES-SEE PLANS.
4. ALLOW FOR 2-TABLES per Area; VARY DESIGNS WITH CONSULTANT AT TIME OF CONSTRUCTION.



SIMPLE PLAN VIEW-VARY SIZE W/ CONSULTANT AT TIME OF FABRICATION



Ld-5 L-2 **AGILITY TABLE-4 required; Vary Sizes and Decking Slopes**
Scale: 1"=1'-0"



NOTE: SUBMIT SHOP DRAWING FOR CONSULTANT APPROVAL.
(2@3' Wide "Man Gates" with H.D. Latches)

Ld-6 L-2 **REFERENCE IMAGERY-Double Controlled Access Gates Examples**
Scale: Not to Scale

NOTE: CONSULTANT WILL PROVIDE CAD LAYOUT FILE TO CONTRACTOR'S SURVEYOR TO ASSIST IN CRITICAL LAYOUT ASPECTS.

NOT FOR CONSTRUCTION

Materials and Grading Legend:

Symbol	Key	Description
Construction Limit Line		Construction Limit Line-Moduloc Steel Site Fence to be erected for Duration of Construction. CONFIRM IF FENCE ERECTED BY "URBAN REC" IN WORK AHEAD OF THIS CONTRACT-possible to assume Contract.
		Trees to Remain Undisturbed and be Protected for Duration of Construction-DO NOT ENTER TREE RESEARCH AREA UNLESS APPROVED BY CONSULTANT.
New 1.2m Hgt Chain Link Fence		SIMPLE **MECHANICALLY FASTENED** BLACK VINYL CHAIN LINK FENCE -1.2m Hgt. Pedestrian Fence; All as shown on Drawings-CONTRACTOR TO SUBMIT SPECIFICATIONS w/ Bid for Evaluation. **SUBMIT SHOP DRAWING FOR CONTROLLED ACCESS**
80.40 Tw		Typical Existing Grades-Refer to Original Site Survey
		Typical Proposed Spot Elevations in Decimal metres Cp -elevation of finished grade on concrete paving Tg - finished elevation on gravel paving MEET- finished elevation of Existing Grade/Meet Point. HP - finished elevation at high point of swale Rim - elevation at top of Rim of Drain Structure
LB Lands-LB01 81.10 Rim		Lawn Basins by Landscape Architect-Refer to Details on Drawing L-3
OPEN DIRT/EX. GRASS FLOOR		Indicates area with "open dirt", rough graded and machine compacted to Consultant approval. (If Budget allows, and Change Order after Award may be issued to cover area in an Engineered Wood Fibre).

Symbol	Key	Description
Granular Path or Pad	1	Granular Pathway or Pad Area-Refer to Detail Ld-1 on Drawing L-2.
Exp. Joint-Typ. / Concrete Pad	2	CIP Concrete Paving-typical 100mm th. slab; NON-REINFORCED on granular base. "Medium Broom" Finish. Refer to Detail Ld-2 on Drawing L-2.
Sand Digging Area	3	New Sand "Digging Area"-utilizes salvaged site sands as 'stockpiled' by URBAN-REC for reuse this site. Refer to Demo Plan L-1 and Layout Plan L-2. Place approx. 16" depth(400mm)
HYDROSEEDED		Represents are where Hydroseed is required-generally the Dog Play Area's Periphery Edges and Berms
		OWNER SUPPLIED-Feature Boulders-Granite Field Boulders-Fractured and Rounded 2-4 man boulders; ranging in size from 450mm sq. to 1.2m sq; Placed AS SHOWN, under direction of Consultant. Allow for 20 pcs. this site. LOCATION- IN SOUTH CAMPUS DEPOT-BID AS "PICKED UP BY THIS CONTRACTOR AND PLACED AS SHOWN".(LESS THAN 1KM AWAY).
STEPS		**OWNER SUPPLIED**-Hem-Fir Logs w/ "Bark on"-Granite Field Boulders-Various sizes/lengths; ranging in size from 450mm-700mmØ x 3-6m long; Placed AS SHOWN, under direction of Consultant. Allow for 20 pcs. this site. LOCATION- IN SOUTH CAMPUS DEPOT-BID AS "PICKED UP BY THIS CONTRACTOR AND PLACED AS SHOWN".(LESS THAN 1KM AWAY). Rock and Log Steps as indicated.
25m Swale to Drain@4.25%		Indicates a swale-to be constructed on site under direction of Landscape Architect-min. 1.0%
AGILITY		EXAMPLE WOOD STRUCTURE FOR DOG AGILITY-CUSTOM BUILT TO CONSULTANT APPROVAL.
Site Furniture:		
Trash		**OWNER SUPPLIED** Trash Receptacle/Dog Waste Removal Station; GLOBAL INDUSTRIAL MODEL AS SPECIFIED ON DETAIL 4-THIS SHEET Be responsible to install to manufacturer's standard details. (post cast into concrete footer).-2 Required.
		OWNER SUPPLIED Wood Shelter; YARDISTRY MODEL AS SPECIFIED ON DETAIL 3-THIS SHEET. (12' X 14' FLOORPLATE) Be responsible to install to manufacturer's standard details. (FULL KIT INSTALLATION).-2 Required.
Picnic-Not Shown (Placed under Shelter)		**OWNER SUPPLIED** PICNIC TABLES; **NIC**-TBD WITH BUDGET AT TIME OF CONSTRUCTION.
Drinking Fountain		Frances Andrew Model DF-2K9-DB-Refer to Detail Ld-4 on L-3. 2 Required.

0 5 10 20 40 50

All distances are in metres and decimals thereof unless otherwise indicated

ISSUED FOR TENDER-dated May 30th, 2025

no.:	date:	item:
3.	May 30th/25	Issued for Tender
2.	May 23rd/25	Issued for Pre-Tender Review
1.	Mar. 28th/25	Issued for Client Coordination

Revision List:

RICHARD FINDLAY LANDSCAPE ARCHITECT INC
1989 West 13th Avenue, Vancouver, BC V6J 2H5
T 604 725-0521 E richard@rfla.ca W www.rfla.ca

Other Consultant:

Stamp:

Project: UNA Dog Park
University Neighborhoods Assn.

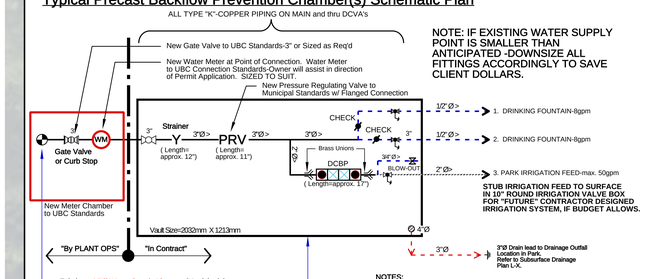
Drawn by: R.F. Date: March 2025
Checked by: R.F. Scale: As Shown
Project No.: 25.05

Drawing Title: **Layout Materials, Details and Grading Plan**

Drawing No.: **L-2** of **4** Revision No.: 3

All information produced by Richard Findlay Landscape Architect Inc. on Macintosh™ platform, OSX Software PowerCadd™ version 8.0

Typical Precast Backflow Prevention Chamber(s) Schematic Plan



Existing X"Ø Water Supply Line /Municipal Source in SW corner of Splashpark-locate on site-see L-1. (Determine On Site). All work, including Meter Chamber to UBC Standards is by others. Coordinate time of installation.

Precast Concrete Vaults Model 2121 (Water Meter Vault),c/w flush mount galv. steel checkerplate covers (2 piece). includes sump; drill hole in sump to connect to drain lines as shown. As supplied by Armtec/AE Concrete, Langley BC or pre-approved equal.

NOTE: IF EXISTING WATER SUPPLY POINT IS SMALLER THAN ANTICIPATED -DOWNSIZE ALL FITTINGS ACCORDINGLY TO SAVE CLIENT DOLLARS.

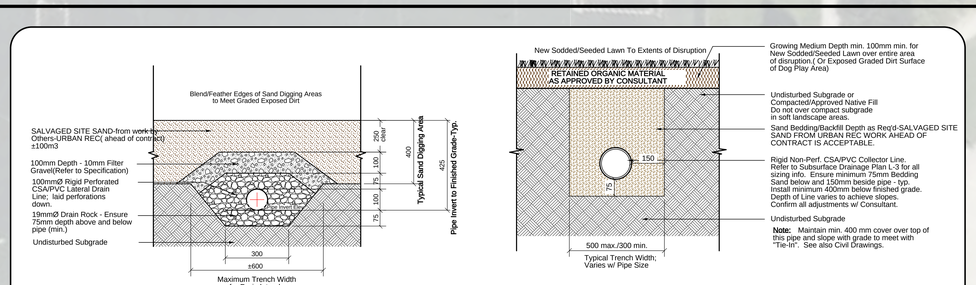
NOTES:

1. Ensure drain hole has been "punched" and connected to sub-surface drain lines(if appropriate). All other openings to be grouted to Municipal Standard.
2. NO male brass fittings will be allowed into female pvc fittings.
3. All work & fittings to British Columbia Building Code and Plumbing Code. Confirm all Municipal Specs. with UBC Plant Operations Staff.

Ld-1 L-3 New Municipal Water Distribution (and Connection) Detail
Scale: NTS

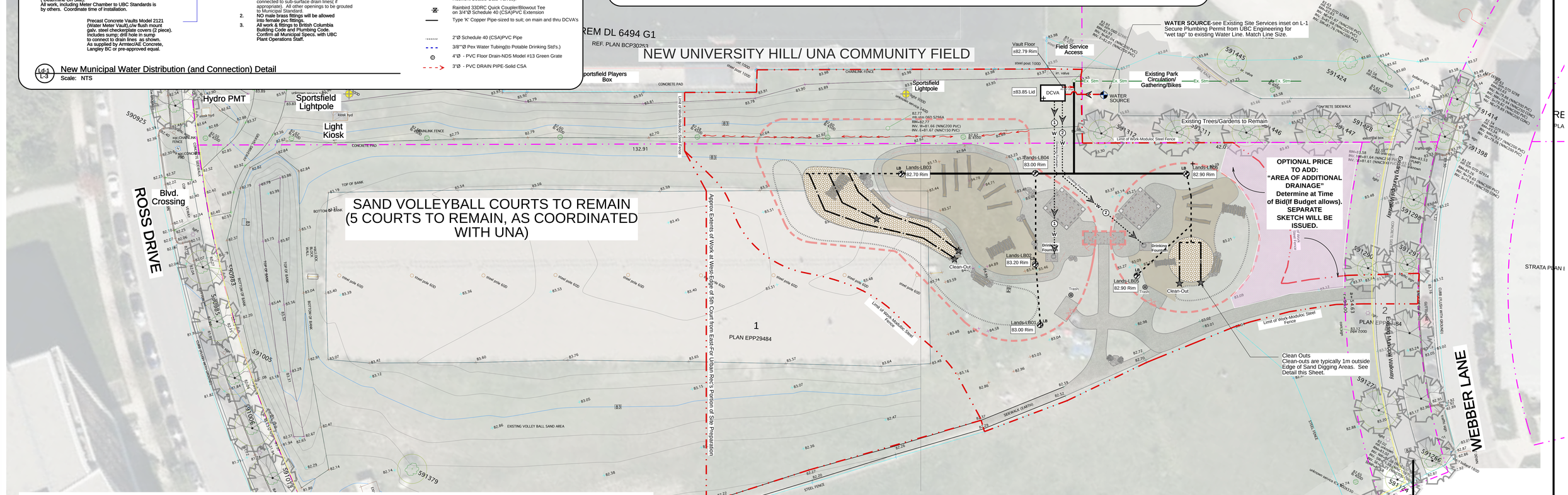
Schematic Legend

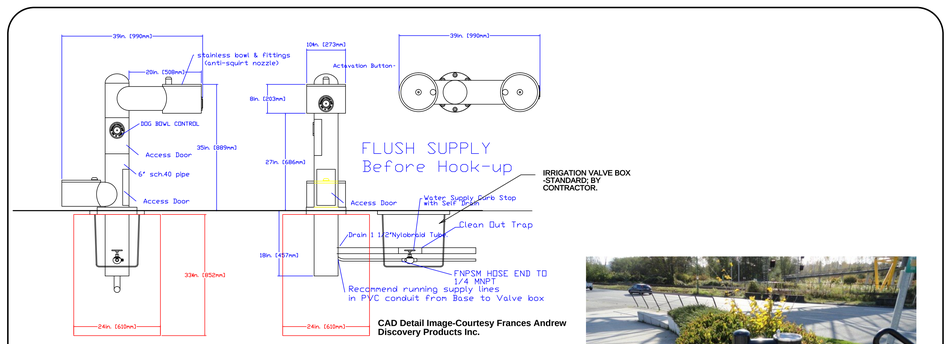
- Existing Municipal Water Source/Meter Chamber. Refer to Dwg. L-1 for exact location on site Southwest of Spray Park, as indicated.
- DCBP = Double Check Backflow Preventor Watts Series 007M2QT-S, STAINLESS HANDLES Size = 1 1/2" – Flow Max at 48gpm 5psi loss at 7.5 fps (or pre-approved equal)-**1 Required.**
- PRV — Pressure Reducing Valve CLA-VAL- Model E90-01KO Globe Valve; 150lb Class: Flanged; Bronze Trim; 20-105psi adj. range (or pre-approved equal) **Sizes- 3" c/w anti-cavitation trim**
- Y — Cla-Val- 3" Ductile Iron Inline Strainer Model X-43H (or pre-approved equal)
- WM — Water Meter-**"NIC" by Others-UBC Standards; TBD WITH WET TAP CONNECTION PERMIT.**
- 3" Gate Valve — Bronze Valve to Municipal Standards-**"NIC" by Others TBD WITH WET TAP CONNECTION PERMIT.**
- New Bronze Ball Valve- to UBC Standards, 3/4"-2"Ø Jenkins or Equal. SIZED TO SUIT. C/w threaded brass plug for servicing/blow-out.
- New Bronze CHECK Valve- WATTS ECV to UBC Parks Standards,(or pre-approved equal). 3/4" OR SIZED TO SUIT.
- 3" — Bronze Ball Valves(Isolation Valves for servicing) Size = as shown to Municipal Standards(Clow or Mueller Resilient Seated Gate Valves).
- Rainbird 33DRC Quick Coupler/Blowout Tee on 3/4"Ø Schedule 40 (CSA)PVC Extension
- Type 'K' Copper Pipe-sized to suit; on main and thru DCVA's
- 2"Ø Schedule 40 (CSA)PVC Pipe
- 3/8""Ø Pex Water Tubing(to Potable Drinking Std's.)
- 4"Ø - PVC Floor Drain-NDS Model #13 Green Grate
- 3"Ø - PVC DRAIN PIPE-Solid CSA



Ld-2 L-3 Typical Perforated Lateral Drain Line Section
Scale: 1:10

Ld-3 L-3 Typical Non-Perforated Collector Drain-Native Ground
Scale: 1:10





CAD Detail Image-Courtesy Frances Andrew Discovery Products Inc.

FRANCES ANDREW MODEL DF-2K9-PB DRINKING FOUNTAIN
COLOUR: TEXTURED GLOSS GREY-UBC RAL7043
Contact: Bob Pook @ Frances Andrew Site Furnishings, Surrey, BC. Ph. 604 888-3712

NOTES:

1. Installed in concrete pad. Refer to Plans.
2. Ensure footing for drinking fountain is as per manufacturer's details. 825sq. X 610mm deep CIP Ftg. below the CIP walkway/pad.
3. This price is to be all found including the connection to supply; supply and installation and the waste line and rock pit.(1M X 1M X 1M clear crush drain pit.

Ld-4 L-3 Drinking Fountain Detail-c/w Drinking Bowl
Scale: NTS

PHOTO REFERENCE

DRINKING FOUNTAIN/PLUMBING LEGEND:

- MAIN SUPPLY LINE: Min 1"Ø (or sized to match existing)Type 'K' Copper supply line from Municipal Source-Field Locate on Site. Utilize Hydro-Vac as required.
- WATER FEED LINES FROM NEW MUNICIPAL WATER CONNECTION: 2 New Drinking Fn.Feeds Required. For Sizing-See Detail this Sheet. Numbered and labelled as indicated on Plan.
- FUTURE-CONTRACTOR DESIGNED IRRIGATION SYSTEM: NIC-ONLY AS BUDGET ALLOWS; SEE DETAIL LD-1 THIS SHEET
- Ex. Stm — EXISTING STORMWATER WASTE LINES: See Services Drawings inset on Drawing L-1
- Ex. Wat — EXISTING WATER SUPPLY LINES: See Services Drawings inset on Drawing L-1
- WATER SOURCE/POINTS OF CONNECTION: Point of connection with Municipal Water Source as indicated-CONFIRM LINE IS ALREADY METERED TO UBC ENGINEERING REQUIREMENTS. Provide all materials and labour necessary to connect with existing water line as per Detail Ld-1, on L-4.
- WM — NEW WATER METER CHAMBER: **THIS IS WORK BY OTHERS, AND WILL BE COMPLETED IN ADVANCE OF THIS CONTRACT AND/OR IN COORDINATION WITH THIS CONTRACT'S SCHEDULE. ALL WORK DOWNSTREAM OF THIS NEW MUNICIPAL SUPPLY POINT IS IN CONTRACT. FOR SCOPE "UPSTREAM" REFER TO DRAWINGS BY KAMPS ENGINEERING LTD.**
- DCVA — NEW MUNICIPAL WATER DISTRIBUTION CHAMBER: REFER TO DETAIL Ld-1 ON DRAWING L-3.
- DF — NEW DRINKING FOUNTAIN: Supplied and Installed under Work of this Contract including CIP Concrete Pad as Shown. Coordinate at time of Install. CIP Pad Dimensions-1.2m x 1.8m. Refer to Plans L-2 +L-3 and to Detail Ld-4 on L-3, and to Specifications. **2 REQUIRED.** . DRAIN TO ROCK SUMP PIT-SEE DETAIL LD-3-NO SANITARY EXISTS.

Sub Surface Drainage Legend:

Lands(Indicates New Lawn Basin by Landscape Contractor)

- Lands-LB01 / 1.06 Rim / ± 0.780 inv. — Precast Concrete Lawn Basin w/ ± Rim and Invert Elevations. Model 1824 - 450mmØ x 600mm Depth Sump w/ bottom and 450mmØ Cast Iron Grate as supplied by Sanderson Concrete Inc., Surrey Ph. 604 580 4108. OR Approved Equal.
- Clean-Out — Clean-Out - Refer to Detail Ld-2 this sheet. Typically located in Soft Landscape Adjacent to NEW DIGGING AREAS
- 100mm Ø Rigid Perforated PVC Lateral Drain Pipe-Laid Perforations Down - Typical; Refer to Detail Ld-1 this sheet.
- 100mm Ø Rigid Non-Perforated PVC Collector Drain Pipe - Typical; Refer to Detail Ld-3 this sheet.
- 200mm Ø Rigid Non-Perforated PVC Collector Drain Pipe - Typical; Refer to Detail Ld-4 this sheet.

NOTE: "CSA PIPE" IS REQUIRED ON THIS PROJECT. ALL PIPE OVER 4"Ø IS SDR-35 GASKETED PIPE.

- Typical Direction of 0.5% min. Slope in Drain Pipes (pipes may slope greater than 0.5%)

Notes:
1. Grades are in Decimal Metresto match Surveyor's Grades.
1. Ensure all drain pipes slope at minimum 0.5% to Drain.
2. Layout of piping is schematic only. Coordinate subsurface drainage system layout to minimize conflicts with all site services and fencing footers-coord. in advance.
3. Provide additional clean-outs as required at all turns in piping greater than 45°.
4. Confirm/Adjust Rim Elevations of all Catch Basins prior to final placement to ensure that drainage structures are at relative low points of areas intended to be drained.
5. Provide drawing showing "As-Built" condition of the sub-surface drainage system as condition of Substantial Performance. Refer to Specs. Section 02720. NOTE: FIXED LOCATIONS AND DEPTHS OF ALL BURIED LINES TO BE NOTED ON THE "AS-BUILTS"

NOT FOR CONSTRUCTION

0 5 10 20 40 50

All distances are in metres and decimals thereof unless otherwise indicated

ISSUED FOR TENDER-Dated May 30th, 2025

no.:	date:	item:
3.	May 30th/25	Issued for Tender
2.	May 23rd/25	Issued for Pre-Tender Review
1.	Mar. 28th/25	Issued for Client Coordination

Revision List:

RICHARD FINDLAY LANDSCAPE ARCHITECT INC
1989 West 13th Avenue, Vancouver, BC V6J 2H5
T 604 725-0521 E richard@rfla.ca W www.rfla.ca

Other Consultant:

Stamp:

Project:
UNA Dog Park
University Neighborhoods Assn.

Drawn by: R.F. Date: March 2025
Checked by: R.F. Scale: As Shown
Project No.: 25.05

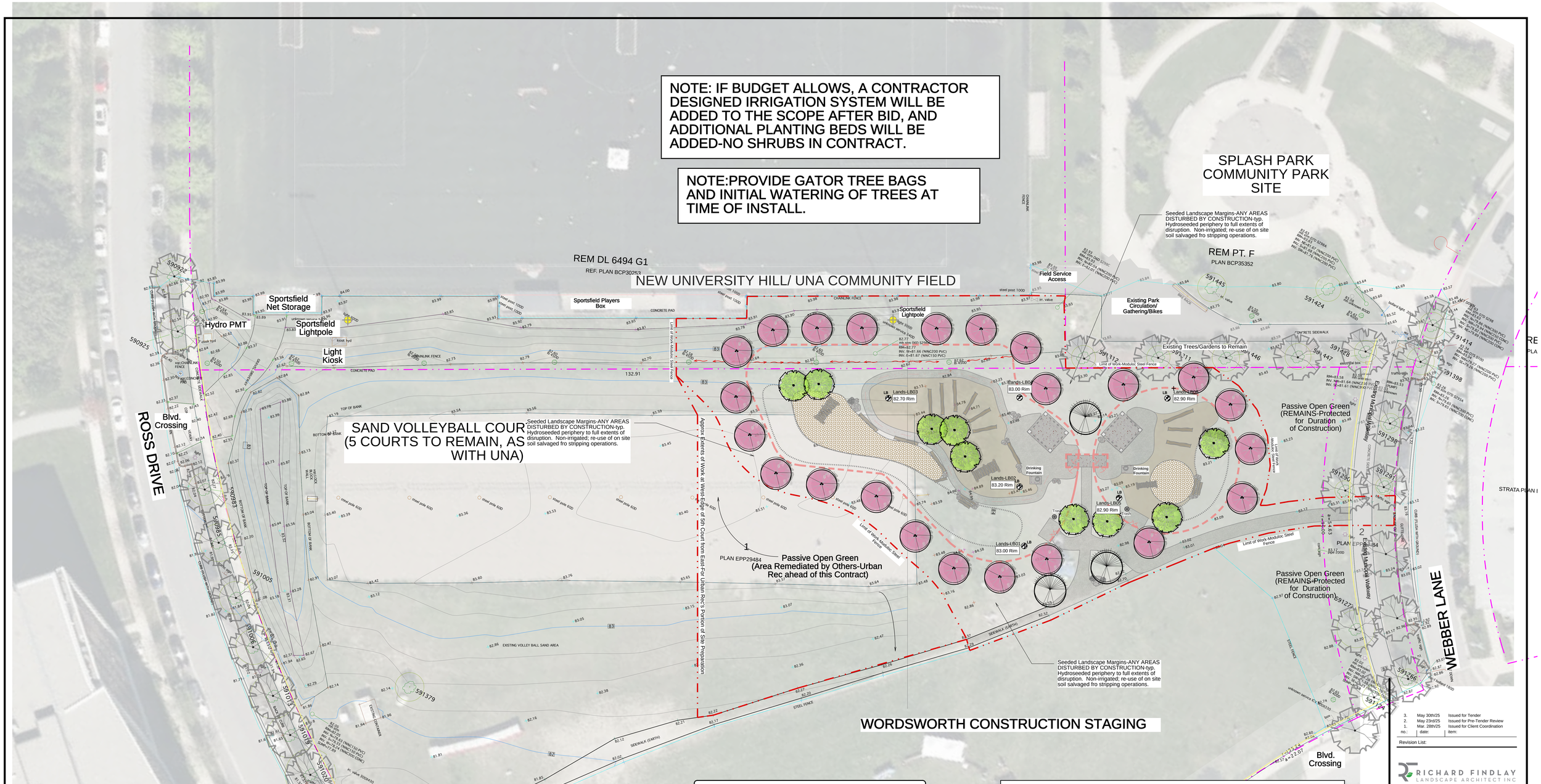
Drawing Title:
Sub-Surface Drainage and Plumbing Plan (for Drinking Fountains)

Drawing No.: **L-3** of **4** Revision No.: R-A

All information produced by Richard Findlay Landscape Architect Inc. on Macintosh™ platform, OSX Software PowerCad3™ version 8.0

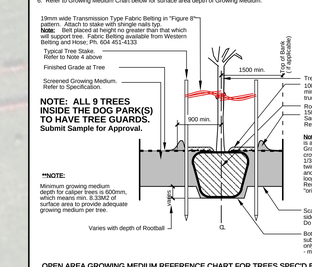
NOTE: IF BUDGET ALLOWS, A CONTRACTOR DESIGNED IRRIGATION SYSTEM WILL BE ADDED TO THE SCOPE AFTER BID, AND ADDITIONAL PLANTING BEDS WILL BE ADDED-NO SHRUBS IN CONTRACT.

NOTE:PROVIDE GATOR TREE BAGS AND INITIAL WATERING OF TREES AT TIME OF INSTALL.



General Tree Planting Notes:

1. Do not cut Tree Leader.
2. Protect tree from damage during planting. Ensure rootball protected from Sun, Frost and Wind at all times during planting.
3. Ensure tree location does not conflict with Underground Services. "Call before digging".
4. All trees to be staked with 2 - 100mmØ x 2.5m long stakes. Minimum depth of stake embedment is 1m. Ensure stakes do not penetrate or damage rootball. Ensure all stakes are aligned parallel to adjacent walkway on tree pit centreline. CONFIRM W/ CONSULTANT AT INSTALL.
5. Provide min. 5 cubic meters of growing medium per caliper tree; 3 cubic metres per tree where measured by hgt. Refer to Reference Chart and Note below.
6. Refer to Growing Medium Chart below for surface area depth of Growing Medium.



OPEN AREA GROWING MEDIUM REFERENCE CHART FOR TREES SPEC'D BY CALIPER OR HEIGHT:

Depth of Growing Medium Total (mm)	Variation 1		Variation 2
	Area (M2)	Size of Surface Square	Size of Surface Circle
450	11.11	3.3 M x 3.3 M	3.80 M Ø
**600	8.33	2.9 M x 2.9 M	3.25 M Ø
750	6.67	2.6 M x 2.6 M	2.90 M Ø

L-4 Typical Deciduous Tree Planting Detail

Scale: N.T.S.

PLANT LIST

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING/COMMENTS
TREES/SHRUB TREES					
	9	Cornus Eddie's White Wonder	Eddie's White Wonder Dogwood	6cm Caliper	Specimen
	23	Prunus Xyeodensis 'Akebono'X	Akebono Daybreak Cherry	5cm Caliper	Uniform
	3	Thuja plicata	Western Red Cedar	1.8m Hgt.	Uniform
SHRUBS/PERENNIALS					
(RH)	0	Rhododendron 'PJM'			As Shown
(VI)	0				As Shown
					As Shown
				#1 pots	As Shown
			Lavender	#1 pots	As Shown

NO SHRUBS IN CONTRACT-DETERMINED BY IRRIGATION SYSTEM AND CLIENT BUDGET-TBD AFTER BID CLOSING.

There will be no substitutions to the Planting List as shown unless approved by Owner and Consultant.

Notes:
1. All plants and planting are to conform to the CNTA Canadian Standards for Nursery Stock and the BCSLA/BCLNA Landscape Standard(Latest Edition) for Container Grown Plants. All plant materials shall have provenance in the Lower Mainland area. For container classes #2,#3 and smaller, plant sizes have been shown in the Plant List and/or the Standard
2. Ensure 600mm depth Growing Medium (minimum) in all areas to receive caliper trees. (450mm depth for all shrub planting beds).
3. Quantities of all plant materials as shown by symbols or areas(in the case of groundcovers) on the drawing supercede those shown in the Plant List.
4. New Planting Areas to have Automated Irrigation System. REFER TO IRRIGATION PLAN.

NOT FOR CONSTRUCTION

0 5 10 20 40 50

All distances are in metres and decimals thereof unless otherwise indicated

ISSUED FOR TENDER-Dated May 30th, 2025

no.:	date:	item:
3.	May 30th/25	Issued for Tender
2.	May 23rd/25	Issued for Pre-Tender Review
1.	Mar. 28th/25	Issued for Client Coordination

Revision List:

RICHARD FINDLAY LANDSCAPE ARCHITECT INC
1989 West 13th Avenue, Vancouver, BC V6J 2H5
T 604 725-0521 E richard@rfla.ca W www.rfla.ca

Other Consultant:

Stamp:

Project:
UNA Dog Park
University Neighborhoods Assn.

Drawn by: R.F. Date: March 2025
Checked by: R.F. Scale: As Shown
Project No.: 25.05

Drawing Title:
Planting Plan and Details

Drawing No.: L-4 of 4 Revision No.: 3

All information produced by Richard Findlay Landscape Architect Inc. on Macintosh™ platform, OSX Software PowerCadd™ version 8.0