Beaty Biodiversity Centre Addition Landscape Drawings
Issued For DP R1 - June 17th, 2022

DRAWING LIST

Landscape
L0.00 - Cover Page
L0.01 - Urban Landscape Rationale
L0.02 - Design principles
L0.03 - Tree Management Plan
L1.01 - Concept plan | Level 1
L1.02 - Concept plan | Basement level
L1.10 - Overall Materials Plan
L1.11 - Materials Plan | Level 1
L1.12 - Materials Plan | Basement Level
L1.21 - Layout Plan | Level 1
L1.22 - Layout Plan | Basement Level
L1.31 - Grading Plan | Level 1
L1.41 - Plant Schedule | Level 1
L1.42 - Planting Plan | Level 1
L1.43 - Planting Schedule | Basement Level
L1.44 - Planting Plan | Basement Level
L2.01 - Sections
L2.02 - Sections
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L3.20 - Site Furnishing Details
L3.30 - Walls and Stairs Details
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Public Realm Observations

The project site works as a hinge between the Beaty Biodiversity Museum courtyard and the Earth Sciences - Pacific Museum of Earth courtyard, presenting opportunities to connect these spaces as a natural sciences complex.

This project introduces itself in the context between Main Mall and the future UBC Central Connector project by presenting many advantages and opportunities in terms of connectivity to the bigger context, highlighting the importance of creating an inviting, public and inclusive space.
The site presents evident opportunities to improve the East to West connection on campus through the Central Connector as a pedestrian path, increasing accessibility and enhancing wayfinding to the site. The intention is to create a route perceived as inviting by the users, encouraging them to visit and enjoy the outdoor facilities of the Beaty Biodiversity Center for leisure, learning, and research purposes.

The intervention site introduces itself between the existing Beaty Biodiversity Museum courtyard and the Earth Sciences courtyard, transforming the space into a cultural complex focused on the natural sciences. Connecting the Pacific Museum of Earth with the Beaty Biodiversity Centre through a system of articulated courtyards improves the cultural and recreational value of the composition. The intention is to capitalize on the pedestrian traffic generated by the Central Connector to activate and articulate the courtyard system.

Biodiversity museum requires a biodiverse landscape. The intention is to bring the concept of the exhibitions out in the landscape intervention working as a living laboratory for the research center in a contextually aware manner being responsive to the native species and growing conditions. The landscape must support habitat for different species of native plants and animals that can be observed as part of the educational, recreational, and research purposes of the complex. The courtyard has the opportunity to serve as an outdoor, living extension of the exhibitions.

Explore and implement opportunities for the inclusion and leadership of Indigenous values and teachings within the landscape. There is an opportunity to extend the ‘Knowledge Path’ happening inside the museum to its outdoor facilities, increasing the social dynamic and learning experiences in the landscape while being consistent with the efforts the UBC is undertaking to decolonize design by including Indigenous knowledge in campus values and design efforts.

Activate learning moments within the landscape to support informal and hands-on learning opportunities and allow for a continuous indoor/outdoor experience that helps to externalize the museum. By creating a biodiversity-based and sustainable landscape, it is possible to increase the observation potential of many species of birds, insects, butterflies, bats, and tetrapods. The intention is to create a living laboratory that can be openly used, observed and enjoyed by students, researchers, and children.

Thematically we see the opportunity to highlight three big ideas within the landscape. The first one is the living laboratory, the idea of an outdoor space that supports research and investigation. The second is the museum extension into the landscape, connecting visitors to living biodiversity as part of the museum collection. Lastly, a contemplative outdoor space that allows staff and students an opportunity to take a moment from their research to relax and reflect.

Much as the current museum building along Main Mall acts as a beacon, the new landscape space has the opportunity to signal the museum and collections along the Central Connector creating a distinguished and memorable campus node. Blending of borders between outdoor and indoor and fostering a fluid connection of space can provide an engaging experience for daily users and visitors.
1. REFER TO ARBORIST’S INVENTORY/ASSESSMENT REPORT PREPARED BY PROJECT ARBORIST FOR TREE SPECIES AND GENERAL CONDITIONS;
2. ROOT PROTECTION ZONES ARE AS NOTED BY PROJECT ARBORIST;
3. TRENCHING FOR UTILITY CONNECTIONS TO BE COORDINATED WITH ENGINEERING TO ENSURE SAFE ROOT ZONES OF RETAINED TREES.
4. LIMIT OF WORK IS AN ESTIMATE ONLY, FINAL LIMIT OF WORK TO BE CONFIRMED BY THE UNIVERSITY OF BRITISH COLUMBIA.
5. REFER TO TREE PROTECTION SPECIFICATION FOR DEMOLITION WITHIN THE TPZ.
GENERAL NOTES

1. EXISTING SURVEY INFORMATION IS BASED ON THE FOLLOWING DRAWINGS: 8613JY-01 2021 08 19 ACAD2007;

2. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR MUST MAKE A THOROUGH EXAMINATION OF EXISTING SITE SURFACE CONDITIONS AND TOPOGRAPHY AND ADVISE LANDSCAPE ARCHITECT OF ANY UNSATISFACTORY SITE SURFACE CONDITIONS AND TOPOGRAPHY;

3. DO NOT SCALE DRAWINGS. USE DIMENSIONAL INFO AS NOTED IN DRAWINGS. CONTACT THE LANDSCAPE ARCHITECT IF THERE IS ANY AMBIGUITY, LACK OF INFORMATION, OR INCONSISTENCY;

4. THE CONTRACTOR WILL CLEAN AND REINSTATE ALL AREAS DAMAGED OR AFFECTED BY WORKS OUTSIDE THE LIMIT OF WORK TO THE CONDITIONS THAT EXISTED PRIOR TO CONSTRUCTION OR BETTER AND TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT;

5. THE CONTRACTOR SHALL VERIFY DIMENSIONS SHOWN ON DRAWINGS AND NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR INCONSISTENCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION;

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE LIMIT OF WORK LINE;

7. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UNDERGROUND UTILITIES AND TAKING THE NECESSARY PRECAUTIONS PRIOR TO AND DURING CONSTRUCTION. REFER TO CIVIL;

8. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF EXCESS FILL OFF-SITE;

9. ARCHITECTURAL AND CIVIL DESIGN SHOWN FOR INFORMATION ONLY;

10. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS FOR DISCIPLINE SPECIFIC REMOVALS.
REFER TO SHEET L1.12 FOR LOWER COURTYARD L2.02

EXISTING ASPHALT PAVEMENT TO REMAIN

EXISTING TREE TO REMAIN, TYP.

CIP CONCRETE PAVING

L3.10

ASPHALT PAVING, RE: CIVIL LIMIT OF WORK

CIP CONCRETE PAVING

L3.10

BOLLARD, TYP.

L3.20

ASPHALT PATHWAY, REFER TO CIVIL

RE: CONCRETE WHEEL STOP, RE: CIVIL

EXISTING ASPHALT PAVEMENT TO REMAIN

(3) BIKE RACK, TYP.

EXISTING INFORMAL PATHWAY TO REMAIN IN PLACE

MATERIALS PLAN NOTES

1. REFER TO DETAILS AND SECTIONS FOR ALL LANDSCAPE IMPROVEMENTS;
2. REFER TO ELECTRICAL FOR SITE LIGHTING INFORMATION;
3. REFER TO UNIVERSITY OF BRITISH COLUMBIA STANDARDS FOR WORK ON TYPICAL SIDEWALKS;
4. TRENCHING FOR UTILITY CONNECTIONS TO BE COORDINATED WITH UNIVERSITY OF BRITISH COLUMBIA TO ENSURE SAFE ROOT ZONES OF RETAINED TREES. METHODS OF TREE PROTECTION FOR STREET TREES TO BE APPROVED BY UNIVERSITY OF BRITISH COLUMBIA;
5. BOULDER PLACEMENT: COORDINATE REVIEW, SELECTION, AND PLACEMENT WITH LANDSCAPE ARCHITECT.

MATERIALS LEGEND

PLANTING AREA

EXISTING TREE

WOOD BENCH

CIP CONCRETE PAVING

CRUSHED GRANITE

PROPOSED TREE

ASPHALT

Please note that the information provided is a natural representation of the text and diagrams within the document. Any further questions or clarifications should be addressed with the original document or the authors.
COURTYARD PAVING / MATERIAL LEGEND

CONCRETE PAVERS
NATURAL STONE SLABS
AGREEMENTED METAL GRATES

SITE FURNISHING LEGEND

#1 - MATERIAL QTY
#2 - DESCRIPTION

1. PARK CENTRE 30" ROUND TABLE AND PARK CENTRE CHAIRS WITH ARMS, AS SUPPLIED BY LANDSCAPE FORMS - POWDER COATING, COLOUR TBD
2. SOLID PEANO BENCH, AS SUPPLIED BY STREETLIFE - POWDER COATING, COLOUR TBD SIZE: 2019mm x 460mm x 470mm
3. SOLID PEANO TABLE, AS SUPPLIED BY STREETLIFE - POWDER COATING BASE, COLOUR TBD SIZE: 2034mm x 460mm x 470mm

LANDSCAPE BOULDER, TYP. - RECLAIMED FROM DEMO WORKS
RECYCLE METAL GRATE PATH.
STAIRS, RE: ARCH

Copyright reserved. This design and drawing is the exclusive property of WMW Public Architecture and Communication Inc. and cannot be used for any purpose without the written consent of the Architect. This drawing is not to be used for construction until issued for that purpose by the Architect. Prior to commencement of the Work the Contractor shall verify all dimensions, datums and levels to identify any errors and omissions; ascertain any discrepancies between this drawing and the full Contract Documents; and, bring these items to the attention of the Architect for clarification.

Material Plan
Basement Level

Not for construction
1. All dimensions are nominal; dimensions are based on architectural grid lines.
2. Refer to grading plan for horizontal control of paving/landscape areas.
3. All site furnishings locations to be confirmed with landscape architect on site prior to installation.
4. Confirm sawcut pattern onsite with landscape architect.
1. ALL DIMENSIONS ARE NOMINAL. DIMENSIONS ARE BASED ON ARCHITECTURAL GRID LINES.
2. REFER TO GRADING PLAN FOR HORIZONTAL CONTROL OF PAVING/LANDSCAPE AREAS;
3. ALL SITE FURNISHING LOCATIONS TO BE CONFIRMED WITH LANDSCAPE ARCHITECT ON SITE PRIOR TO INSTALLATION;
4. CONFIRM SAWCUT PATTERN ON SITE WITH LANDSCAPE ARCHITECT.
1. All spot elevations and topographic surveys are the responsibility of the Contractor. All spot elevations shall be verified by the Contractor’s surveyor prior to starting construction.
2. Contractor to refer to Civil Engineer for all site-related design and drainage.
3. All proposed elevations are to top of finished grade unless otherwise noted.
4. All proposed elevations are to be adjusted to proposed finish grade.
5. Conduct pre-construction meeting with Landscape Architect in field to confirm grading and finish designs.

PROPOSED ELEVATION

<table>
<thead>
<tr>
<th>Bottom of Wall</th>
<th>Top of Wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIRECTION OF SLOPE</td>
<td>FINISH FLOOR ELEVATION</td>
</tr>
<tr>
<td>TRENCH DRAIN</td>
<td>TOP OF STAIRS</td>
</tr>
<tr>
<td>FFR</td>
<td>Bottom of Stairs</td>
</tr>
<tr>
<td>TW</td>
<td>Top of Bench</td>
</tr>
<tr>
<td>TC</td>
<td>BC</td>
</tr>
<tr>
<td>TW</td>
<td>BC</td>
</tr>
<tr>
<td>(00.00)</td>
<td></td>
</tr>
</tbody>
</table>

TOP OF CURB

| Bottom of Curb | | |
|----------------|----------------|
| EXISTING SPOT ELEVATION AS PER SURVEY | TG |

TOP OF FINISHED GRADE

<table>
<thead>
<tr>
<th>TG</th>
</tr>
</thead>
</table>

GRADING PLAN NOTES

1. All spot elevations and topographic surveys are the responsibility of the Contractor. All spot elevations shall be verified by the Contractor’s surveyor prior to starting construction.
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4. All proposed elevations are to be adjusted to proposed finish grade.
5. Conduct pre-construction meeting with Landscape Architect in field to confirm grading and finish designs.
## PLANT SCHEDULE

### TREES

<table>
<thead>
<tr>
<th>CODE</th>
<th>QTY</th>
<th>BOTANICAL / COMMON NAME</th>
<th>SIZE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC</td>
<td>6</td>
<td>Acer circinatum / Vine Maple</td>
<td>2m ht.</td>
<td></td>
</tr>
<tr>
<td>PD</td>
<td>3</td>
<td>Pseudotsuga menziesii / Douglas Fir</td>
<td>6cm cal.</td>
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</tbody>
</table>

### SHRUBS

<table>
<thead>
<tr>
<th>CODE</th>
<th>QTY</th>
<th>BOTANICAL / COMMON NAME</th>
<th>SIZE</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ba</td>
<td>8</td>
<td>Berberis aquifolium / Oregon Grape</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Sn</td>
<td>6</td>
<td>Berberis nervosa / Cascade Barberry</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>Cs</td>
<td>6</td>
<td>Cotoneaster franchetii / Orange Cotoneaster</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Lc</td>
<td>7</td>
<td>Lonicera ciliosa / Orange Honeysuckle</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Li</td>
<td>13</td>
<td>Ribes sanguineum / Red Flowering Currant</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Oc</td>
<td>4</td>
<td>Oemleria cerasiformis / Osoberry</td>
<td>#5 Pot</td>
<td></td>
</tr>
<tr>
<td>Rg</td>
<td>15</td>
<td>Rhododendron albiflorum / Cascade Azalea</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Rn</td>
<td>7</td>
<td>Rosa nutkana / Nootka Rose</td>
<td>#5 Pot</td>
<td></td>
</tr>
<tr>
<td>Rs</td>
<td>25</td>
<td>Rubus parviflorus / Thimbleberry</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Rs2</td>
<td>18</td>
<td>Rubus spectabilis / Salmonberry</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Sm</td>
<td>34</td>
<td>Solidago multiflora / Rocky Mountain Goldenrod</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>Sa</td>
<td>3</td>
<td>Symphyotrichum albus / Common White Snapdragon</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Vs</td>
<td>3</td>
<td>Vaccinium corymbosum / Dwarf Blueberry</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Vl</td>
<td>25</td>
<td>Vaccinium oxycoccos / Thunderbird / Evergreen Huckleberry</td>
<td>#3 Pot</td>
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</tbody>
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### GRASSES

<table>
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<tr>
<th>CODE</th>
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<th>SIZE</th>
<th>REMARKS</th>
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</thead>
<tbody>
<tr>
<td>Cb</td>
<td>41</td>
<td>Calamagrostis canadensis / Bluejoint Grass</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Mh</td>
<td>61</td>
<td>Miscanthus sinensis / Little Kitten / Little Kitten Golden Grass</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>CODE</td>
<td>QTY</td>
<td>BOTANICAL / COMMON NAME</td>
<td>SIZE</td>
<td>REMARKS</td>
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<tr>
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<td>---------------------------------------------</td>
<td>--------</td>
<td>---------------</td>
</tr>
<tr>
<td>AC</td>
<td>10</td>
<td>Acer circinatum / Vine Maple</td>
<td>2m ht.</td>
<td></td>
</tr>
<tr>
<td>AJ</td>
<td>1</td>
<td>Acer japonicum 'Aconitifolium' / Fernleaf Fullmoon Maple</td>
<td>4cm cal.</td>
<td></td>
</tr>
<tr>
<td>BP</td>
<td>2</td>
<td>Betula papyrifera / Paper Birch</td>
<td>2m ht.</td>
<td></td>
</tr>
<tr>
<td>CB</td>
<td>3</td>
<td>Cornus nuttallii / Pacific Dogwood</td>
<td>3cm l.</td>
<td></td>
</tr>
</tbody>
</table>

**SHRUBS**

<table>
<thead>
<tr>
<th>CODE</th>
<th>QTY</th>
<th>BOTANICAL / COMMON NAME</th>
<th>SIZE</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW</td>
<td>6</td>
<td>Dryopteris wallichiana / Wallich's Wood Fern</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>Gd2</td>
<td>24</td>
<td>Gymnocarpium disjunctum / Pacific Oak Fern</td>
<td>#1 Pot</td>
<td></td>
</tr>
<tr>
<td>Gs</td>
<td>7</td>
<td>Gaultheria shallon / Salal</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>Gs</td>
<td>7</td>
<td>Gaultheria shallon / Salal</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>Oc</td>
<td>4</td>
<td>Oemleria cerasiformis / Osoberry</td>
<td>#5 Pot</td>
<td></td>
</tr>
<tr>
<td>Sr2</td>
<td>21</td>
<td>Sarcococca ruscifolia / Fragrant Sweetbox</td>
<td>#3 Pot</td>
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**FERNS**

<table>
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<tr>
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<th>COMMENTS</th>
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<tbody>
<tr>
<td>Aa4</td>
<td>13</td>
<td>Adiantum aleuticum / Western Maidenhair Fern</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>Bm</td>
<td>15</td>
<td>Blechnum spicant / Deer Fern</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>CB</td>
<td>13</td>
<td>Cyrtomium falcatum / Holly Fern</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>CI</td>
<td>27</td>
<td>Dryopteris erythrosora / Autumn Fern</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>Dc</td>
<td>13</td>
<td>Dryopteris cycadina / Shaggy Shield Fern</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>Dw</td>
<td>6</td>
<td>Dryopteris wallichiana / Wallich's Wood Fern</td>
<td>#2 Pot</td>
<td></td>
</tr>
<tr>
<td>Pl</td>
<td>6</td>
<td>Polypodium glycyrrhiza / Licorice Fern</td>
<td>#3 Pot</td>
<td></td>
</tr>
<tr>
<td>Pm</td>
<td>53</td>
<td>Polystichum munitum / Western Sword Fern</td>
<td>#3 Pot</td>
<td></td>
</tr>
</tbody>
</table>

**PERENNIALS**

<table>
<thead>
<tr>
<th>CODE</th>
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<th>BOTANICAL / COMMON NAME</th>
<th>SIZE</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>At</td>
<td>12</td>
<td>Achlys triphylla / Vanilla Leaf</td>
<td>#1 Pot</td>
<td></td>
</tr>
<tr>
<td>As2</td>
<td>41</td>
<td>Asarum splendens / Wild Ginger</td>
<td>#1 Pot</td>
<td></td>
</tr>
<tr>
<td>Db</td>
<td>81</td>
<td>Disporopsis pernyi 'Bill Baker' / Bill Baker Evergreen Solomon's Seal</td>
<td>#1 Pot</td>
<td></td>
</tr>
</tbody>
</table>
1. All plant materials to be to BCCLA and BCSLA standards. Refer to the BCSLA Landscape Standard, latest edition.
3. Confirm tree planting locations and planting layout with landscape architect on site.
4. No substitutions of any plant material will be approved without submission review and approval by the client/landscape architect.
5. Confirm with landscape architect the pre-purchase of any plant materials.
6. All tree soil volumes to meet UBC standards; trees to be planted in min. 600mm (24") soil depth and twice the diameter of the rootball around each tree. Shrubs min 450mm (18") soil depth. Groundcover min 300mm (12") soil depth. Lawns min 150mm (6") soil depth.
7. Root barriers shall be 2400mm long and 450mm deep. Planting depth of rootball must be below sidewalk grade; call UBC for inspection after tree planting completion.
8. Refer to civil and MEP for drains.

Not for construction

L1.44 1:200 m.
Planting Plan
Basement Level
NOTE: SECTIONS ARE ILLUSTRATIVE AND TO SHOW DESIGN INTENT ONLY. NOT FOR CONSTRUCTION

EXISTING ASPHALT PATHWAY
WOODEN SLABS
GRAVEL PATH
POLLINATOR GARDEN
STAIRS TO LOWER COURTYARD
SHADE GARDEN
NURSE LOGS
EXISTING ASPHALT PATHWAY
NOTE: SECTIONS ARE ILLUSTRATIVE AND TO SHOW DESIGN INTENT ONLY. NOT FOR CONSTRUCTION

PLANTED AREA
GRAVEL PATH
PLANTED AREA
SOCIAL AREA
GRAVEL PATH
PLANTED AREA

SECTION C-C'

SECTION D-D'
BOLLARDS

MODEL: SERIES 32 SB32-UBC SMALL RADIUS
MATERIAL: STEEL TUBE HOUSING
MOUNTING: 6" SCHEDULE 40 STEEL PIPE, IN-GROUND 24" DEEP ON CONCRETE BASE - INSTALL PER MANUFACTURER'S INSTRUCTION
FINISH: UBC GREY
HEIGHT: 36"
DIAMETER: 6"
SUPPLIERS: FRANCES ANDREW SITE FURNISHINGS LTD.
WWW.FRANCESANDREWS.COM

BIKE RACK

MODEL: SERIES 30 SB30-PH-L SMALL RADIUS
MATERIAL: STEEL TUBE HOUSING
MOUNTING: AT SCHEDULE 40 STEEL PIPE IN ROUND OF DEEP IN CONCRETE BASE - INSTALL PER MANUFACTURER'S INSTRUCTION
FINISH: HOT-DIPPED GALVANIZED
DIAMETER: 4"
SUPPLIERS: URBAN RACKS 1-888-717-8881
WWW.URBANRACKS.COM

NOTES:
1. SITE MEASUREMENTS REQUIRED TO CONFIRM AND VERIFY ALL DESIGN DRAWINGS;
2. PROVIDE SHOP DRAWINGS FOR BENCH CONSTRUCTION AND ALL METAL COMPONENTS;
3. WOOD TIMBERS: TIGHT-KNOT YELLOW OR RED CEDAR PLANED FOR SMOOTH FINISH, SLIGHTLY EASED EDGES. SEE SPECS FOR FINISH;
4. USE HOT-DIPPED GALVANIZED STEEL FOR ALL HARDWARE UNLESS OTHERWISE NOTED;
5. CONCRETE FINISH TO INCLUDE HONEYCOMB AND PITTING. CONTRACTOR TO PROVIDE A MOCK-UP FOR REVIEW;
6. CONFIRM REINFORCEMENT WITH STRUCTURAL ENGINEER;

CUSTOM TIMBER BENCH

22/12/2009 2:22:22 PM

ISSUES + REVISIONS
NO DATE DESCRIPTION
1495 FRANCES STREET
VANCOUVER BC V5L 1Z1
TEL 604 738 4323
WWW.PUBLICDESIGN.CA

Beaty Biodiversity Centre Addition
PROJECT CODE 2122
SHEET L3.20
SCALE 1:100

L3.20
Site Furnishing Details

HAPA Landscape Architecture
Urban Design
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
604 909 4150
hapacobo.com

ISSUED FOR DP
A. MARCH 29, 2022

ISSUED FOR 100% DD
B. JUNE 10, 2022

ISSUED DP R1
C. JUNE 17, 2022

Not for construction
1. GEOTECH TO CONFIRM STABILITY OF SLOPE;
2. CONFIRM WALL HEIGHT WITH GRADING PLAN;
3. F'C MIN 25 MPA @28 DAYS;
4. DO NOT BACKFILL UNTIL CONCRETE HAS REACHED 28 DAY STRENGTH.

REFER TO GRADING PLAN

38mm Ø WEEP HOLES @ 1220mm
150mm (4") PVC PIPE FOUNDATION
DRAIN, RE: CIVIL

38mm X 89mm KEY
C 15M @400mm
10M @ 250mm
38mm Ø WEEP HOLES @ 1220mm

EXISTING SUBGRADE TO BE COMPACTED TO MIN. 95% MOD. PROCTOR; PREPARED SUBGRADE TO BE REVIEWED BY GEOTECH

3 - 15M CONT. ISOLATION JOINT

REFER TO PLAN FOR PAVEMENT

CRUSHER FINES TO BE STABILIZED PER SPEC

MIN. INSULATION ADZ; VOID FILL AS REQUIRED; SLAB VIBRATED AND CONCRETE SLAB BARE TO ARCH.

COORDINATE WITH LIGHTING FOR SIZE AND MOUNTING REQUIREMENT FOR LUMINAIRE ASSEMBLY

L3.30
MIN. 450 SHRUBS; MIN. 900 TREES

LAWN PLANTING

SHRUB/TREE PLANTING

SCARIFY SURFACE OF SUBGRADE PRIOR TO GROWING MEDIUM INSTALLATION

GROWING MEDIUM

MULCH

SCARIFY SURFACE OF SUBGRADE PRIOR TO GROWING MEDIUM INSTALLATION

GROWING MEDIUM

MULCH

SCARIFY SURFACE OF SUBGRADE PRIOR TO GROWING MEDIUM INSTALLATION

GROWING MEDIUM

MULCH

SCARIFY SURFACE OF SUBGRADE PRIOR TO GROWING MEDIUM INSTALLATION

GROWING MEDIUM

MULCH

SCARIFY SUBGRADE. COMPACTED SUBGRAGE ONLY AT BOTTOM OF ROOTBALL

FINISH GRADE

SET CROWN OF ROOTBALL 25 mm ABOVE FINISH GRADE AND REMOVE BURLAP AND TWINE FROM TOP HALF OF ROOTBALL

1:10

LAWN PLANTING

SOIL PROFILES ON GRADE

SOIL PROFILES ON SLAB

GROUND COVER PLANTING

COURTYARD ROOF MAINTENANCE EDGE

MULCH

PLANTING MEDIUM, SEE SPECIFICATIONS

MIN. INSULATION, ADD. VOID FILL AS REQUIRED; SLAB DRAINAGE AND WATERPROOFING; STRUCTURAL SLAB, REFER TO ARCH.

FILTER FABRIC

DECORATIVE DRAIN ROCK, SEE SPECIFICATIONS

CUSTOM STEEL, L-ANGLE EDGE

GROWING MEDIUM, LIGHT WEIGHT SOIL MIX, MC SPECIFICATIONS

FILTER FABRIC, CONT.

DRAIN ROCK

MULCH, SEE SPECIFICATIONS

SET CROWN OF ROOFPLANT 1" ABOVE FINISH GRADE AND REMOVE BURLAP AND TWINE FROM TOP HALF OF ROOTBALL

GROWING MEDIUM

MULCH

TRIANGULAR SPACING AT SPECIFIED ON-CENTRE DISTANCE, REFER TO PLANT SCHEDULE

DISTANCE FROM EDGE IS HALF THE SPECIFIED ON-CENTRE SPACING

FINISH GRADE

SET CROWN OF ROOFPLANT 1" ABOVE FINISH GRADE AND REMOVE BURLAP AND TWINE FROM TOP HALF OF ROOTBALL

CRANKED FOOTBALL

MULCH, SEE SPECIFICATIONS

FINISH GRADE

SET CROWN OF ROOFPLANT 1" ABOVE FINISH GRADE AND REMOVE BURLAP AND TWINE FROM TOP HALF OF ROOTBALL

PLANT CENTRE ROW DISTANCE FROM EDGE IS HALF THE SPECIFIED ON-CENTRE SPACING

EDGE OF GROUND COVER AREA, SIDES & EDE

PLANT CENTRE

TRIANGULAR SPACING AT SPECIFIED ON-CENTRE DISTANCE, REFER TO PLANT SCHEDULE

CONTRACTED SURFACE

FILTER FABRIC, CONT.

CONTRACTED SURFACE

FILTER FABRIC, CONT.

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