CAREY COLLEGE AT UBC

Project Address: 5920 Iona Dr, Vancouver, BC V6T 1J6

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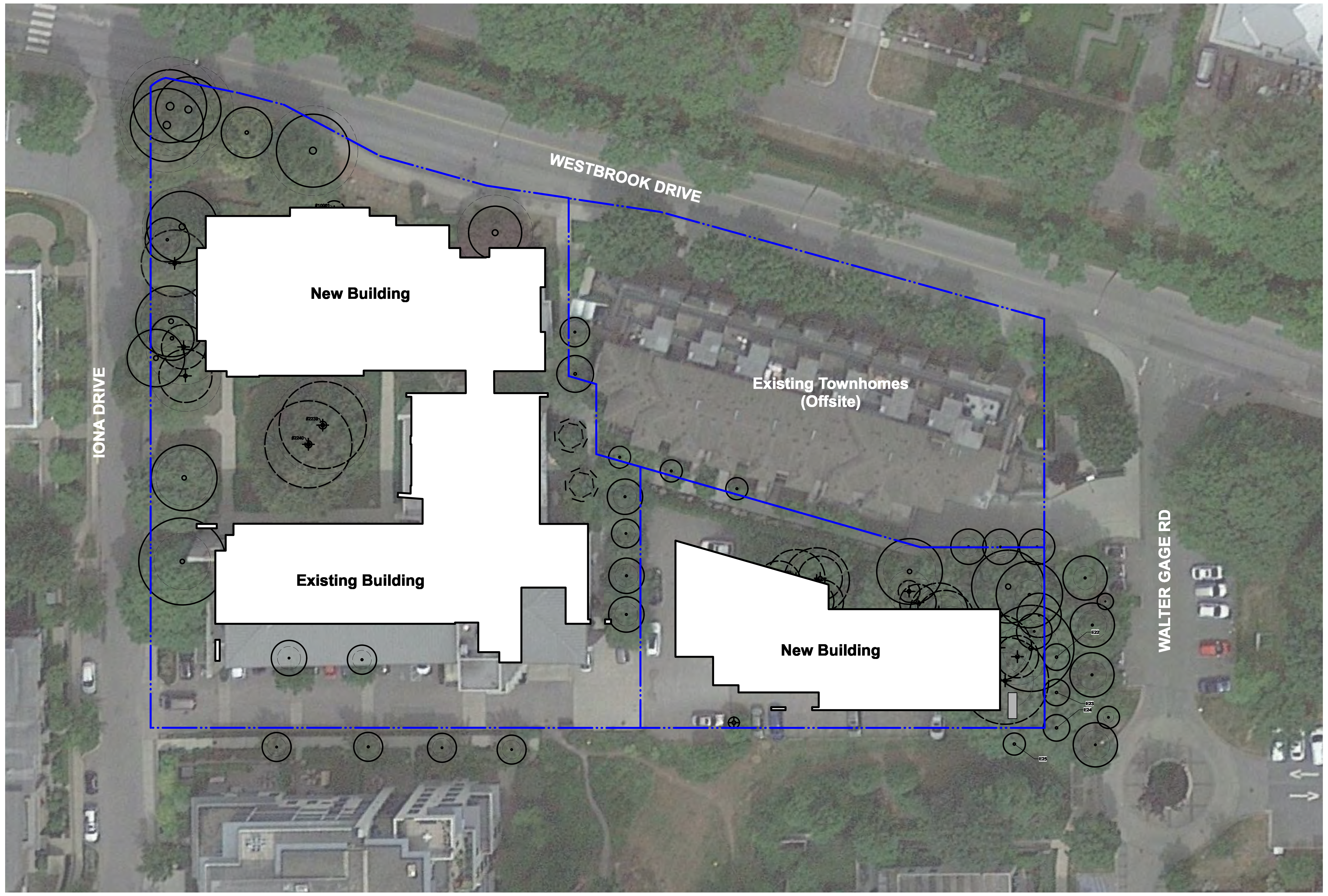
CONTEXT PLAN:



Date	Issue Notes
2022-12-01	Re-Issue for DP Board
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2022-06-08	Issued for Arch Coordination
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2022-05-26	Issued for Arch and Arborist Coordination In progress
2022-05-17	In Progress for Coordination/Communication *L2a Only*

Seal

Prospect & Refuge
LANDSCAPE ARCHITECTS
#102-1661 W 2nd Ave Vancouver, BC V6J 1H3
604-669-1003 info@prospectrefuge.ca
Building on over 25 years of history as Jonathan Losee, Ltd.

Project Title and Address
Carey College at UBC
5920 Iona Dr, Vancouver, BC V6T 1J6

Sheet Title
Landscape Cover Sheet

Project No.	Scale
2022-12	

Project Manager	Sheet No.
AS	L0a

Reviewed By
AS

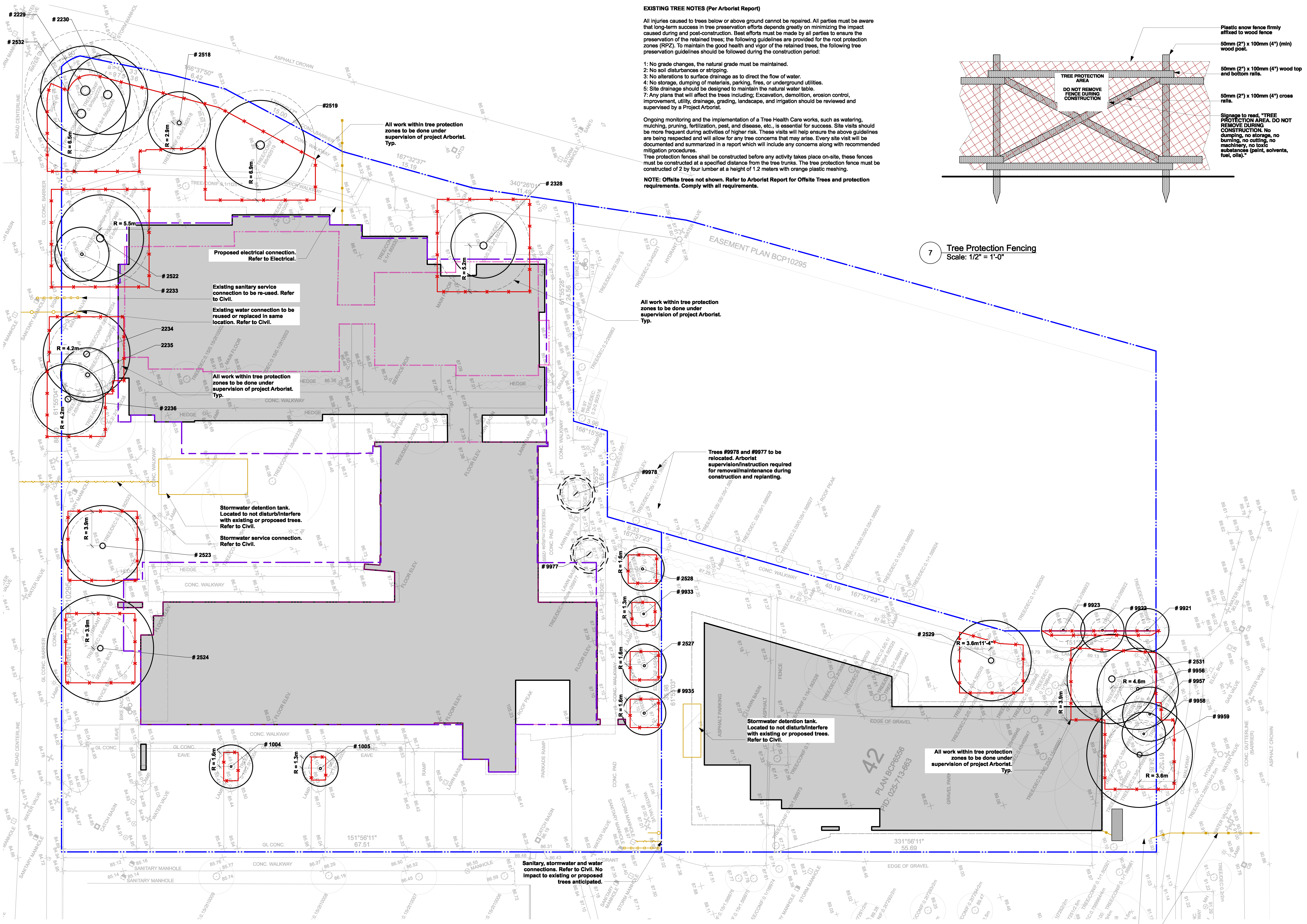
EXISTING TREE NOTES (Per Arborist Report)

All injuries caused to trees below or above ground cannot be repaired. All parties must be aware that long-term success in tree preservation efforts depends greatly on minimizing the impact caused during and post-construction. Best efforts must be made by all parties to ensure the preservation of the retained trees; the following guidelines are provided for the root protection zones (RPZ). To maintain the good health and vigor of the retained trees, the following tree preservation guidelines should be followed during the construction period:

1: No grade changes, the natural grade must be maintained.
2: No soil disturbances or stripping.
3: No alterations to surface drainage as to direct the flow of water.
4: No storage, dumping of materials, parking, fires, or underground utilities.
5: Site drainage should be designed to maintain the natural water table.
7: Any plans that will affect the trees including; Excavation, demolition, erosion control, improvement, utility, drainage, grading, landscape, and irrigation should be reviewed and supervised by a Project Arborist.

Ongoing monitoring and the implementation of a Tree Health Care works, such as watering, mulching, pruning, fertilization, pest, and disease, etc., is essential for success. Site visits should be more frequent during activities of higher risk. These visits will help ensure the above guidelines are being respected and will allow for any tree concerns that may arise. Every site visit will be documented and summarized in a report which will include any concerns along with recommended mitigation procedures.
Tree protection fences shall be constructed before any activity takes place on-site, these fences must be constructed at a specified distance from the tree trunks. The tree protection fence must be constructed of 2 by four lumber at a height of 1.2 meters with orange plastic meshing.

NOTE: Offsite trees not shown. Refer to Arborist Report for Offsite Trees and protection requirements. Comply with all requirements.



All work within tree protection zones to be done under supervision of project Arborist. Typ.

Proposed electrical connection. Refer to Electrical.

Existing sanitary service connection to be re-used. Refer to Civil.

Existing water connection to be reused or replaced in same location. Refer to Civil.

All work within tree protection zones to be done under supervision of project Arborist. Typ.

All work within tree protection zones to be done under supervision of project Arborist. Typ.

Stormwater detention tank. Located to not disturb/interfere with existing or proposed trees. Refer to Civil.

Stormwater service connection. Refer to Civil.

Trees #9978 and #9977 to be relocated. Arborist supervision/instruction required for removal/maintenance during construction and replanting.

Stormwater detention tank. Located to not disturb/interfere with existing or proposed trees. Refer to Civil.

All work within tree protection zones to be done under supervision of project Arborist. Typ.

Sanitary, stormwater and water connections. Refer to Civil. No impact to existing or proposed trees anticipated.

Proposed hydro kiosk. Refer to electrical.

Proposed electrical connection. Refer to Electrical.

5 **Tree Protection Plan**
Scale: 1/16" = 1'-0"

Plastic snow fence firmly affixed to wood fence

50mm (2") x 100mm (4") (min) wood post.

50mm (2") x 100mm (4") wood top and bottom rails.

50mm (2") x 100mm (4") cross rails.

Signage to read, "TREE PROTECTION AREA. DO NOT REMOVE DURING CONSTRUCTION. No dumping, no storage, no burning, no cutting, no machinery, no toxic substances (paint, solvents, fuel, oils)."

7 **Tree Protection Fencing**
Scale: 1/2" = 1'-0"

LEGEND

▭	**Property Line**
▭	**Tree protection fence**
▭	**Edge of Slab Below**
▭	**Electrical Connection**
▭	**Sanitary Connection**
▭	**Stormwater Connection**
▭	**Water Connection**
◎	**Existing Tree: TO BE RETAINED**
◌	**Existing Tree: TO BE RELCATED** **Confirm that trees are free of nesting birds prior to removal or wait until the bird nesting season is over.**

NOTE: The tree protection barriers must be built and inspected before the building permits can be issued. Please call the building inspector at local municipality and request a tree barrier inspection at least 48 hours in advance of the building permit.

LANDSCAPE TREE NOTES

1. All landscape construction activities have a high potential for causing damage to trees, roots and soil. The Landscape Contractor shall coordinate with the project Arborist prior to the start of landscape operations to avoid tree protection non-compliance and bylaw issues.

2. Install temporary tree protection fencing as per arborist report or tree protection plan. Maintain the fencing during construction. No storage of materials or equipment, or any other activities are allowed within the protection zone during construction.

3. Removal of the tree barriers requires advance coordination and approval by the project arbor

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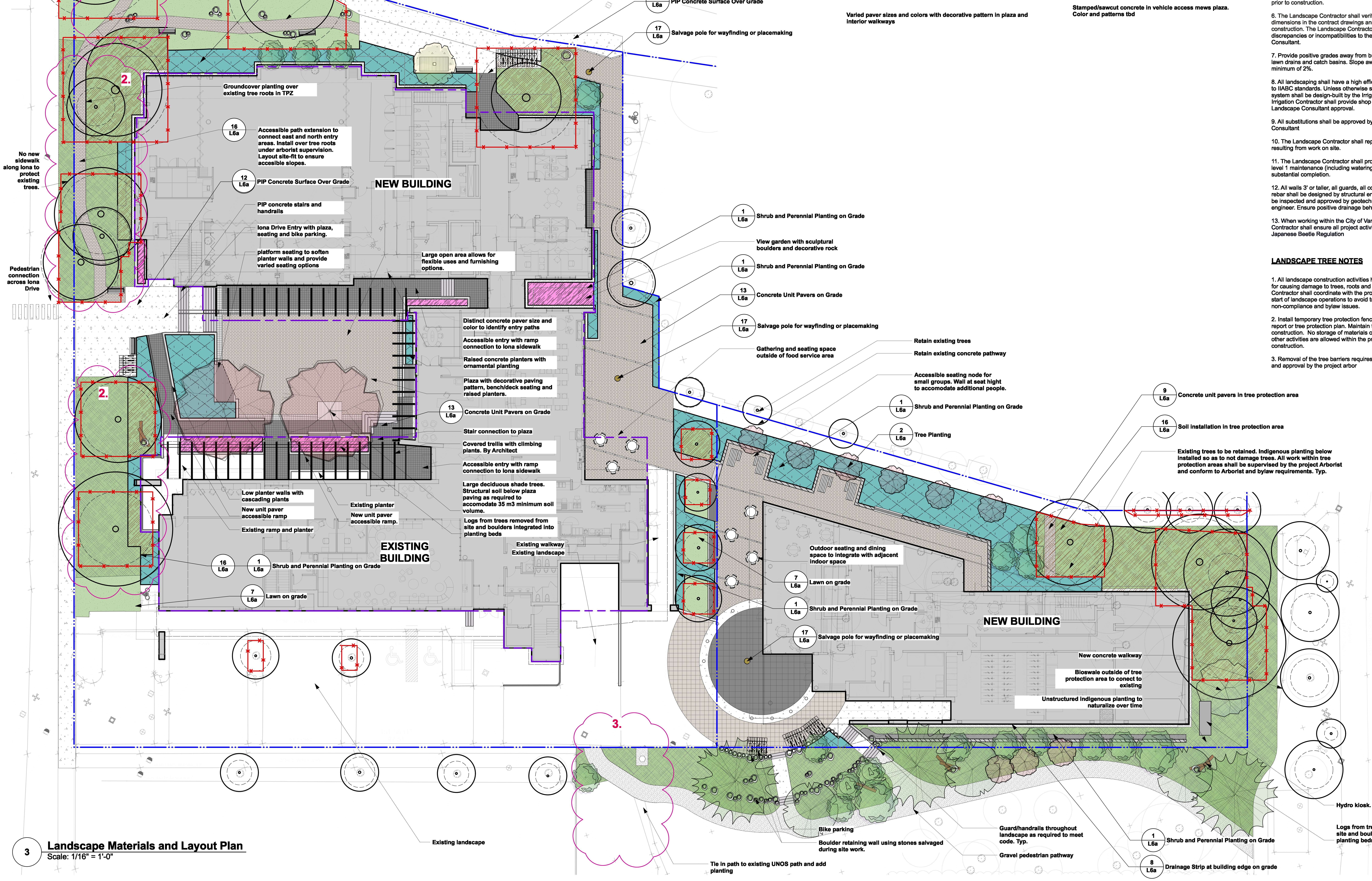
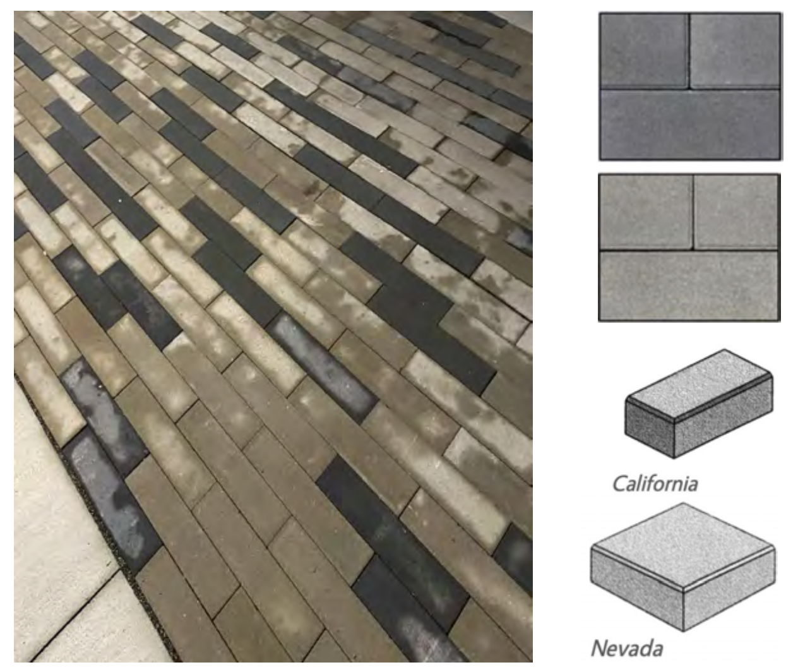
Project Title and Address
Carey College at UBC
5920 Iona Dr, Vancouver, BC V6T 1J6

Sheet Title
Landscape Tree Protection and Servicing Plan

Project No.: 2022-12
Scale: AS NOTED
Project Manager: AS
Reviewed By: AS
Sheet No.: L1



3 **Landscape Materials and Layout Plan**
Scale: 1/16" = 1'-0"



Varied paver sizes and colors with decorative pattern in plaza and interior walkways

Informal and naturalized planted areas integrating salvaged boulders and logs

Stamped/sawcut concrete in vehicle access mews plaza. Color and patterns tbd

LANDSCAPE GENERAL NOTES

1. All Landscape material and execution shall conform to the Canadian Landscape Standard; all applicable and noted codes, bylaws and specifications; and life-safety requirements.

2. Do not construct from these drawings unless marked "Issued For Construction".

3. The Landscape Contractor shall submit all questions, reports, inquiries and requests pertaining to these drawings or their execution in writing to the Landscape Consultant.

4. Existing condition plans were prepared by others and actual conditions may vary from those shown. The Landscape Contractor shall conduct a site visit to review existing conditions and report all discrepancies between the plans and actual site to the Landscape Consultant prior to construction. The Landscape Contractor shall assume responsibility for actual site conditions (including subsurface).

5. The Landscape Contractor shall conduct a site visit and review to determine the extent of work required (including but not limited to demolition, preparation and removals). Landscape Contractor shall report any discrepancies between the required and proposed work, to the Landscape Architect prior to construction.

6. The Landscape Contractor shall verify all scaled and written dimensions in the contract drawings and on site prior to construction. The Landscape Contractor shall report any discrepancies or incompatibilities to the Landscape Consultant.

7. Provide positive grades away from buildings and toward lawn drains and catch basins. Slope away from building at a minimum of 2%.

8. All landscaping shall have a high efficiency irrigation system to IIABC standards. Unless otherwise specified, the irrigation system shall be design-built by the Irrigation Contractor. The Irrigation Contractor shall provide shop drawings for Landscape Consultant approval.

9. All substitutions shall be approved by the Landscape Consultant

10. The Landscape Contractor shall repair any damage resulting from work on site.

11. The Landscape Contractor shall provide 1 year of CLS level 1 maintenance (including watering) after the date of substantial completion.

12. All walls 3' or taller, all guards, all concrete footings and all rebar shall be designed by structural engineer. All walls shall be inspected and approved by geotechnical and structural engineer. Ensure positive drainage behind all walls.

13. When working within the City of Vancouver, the Landscape Contractor shall ensure all project activities conform to Japanese Beetle Regulation

LANDSCAPE TREE NOTES

1. All landscape construction activities have a high potential for causing damage to trees, roots and soil. The Landscape Contractor shall coordinate with the project Arborist prior to the start of landscape operations to avoid tree protection non-compliance and bylaw issues.

2. Install temporary tree protection fencing as per arborist report or tree protection plan. Maintain the fencing during construction. No storage of materials or equipment, or any other activities are allowed within the protection zone during construction.

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LEGEND

▭	**Property Line**
▭	**Tree protection fence**
▭	**Edge of Slab Below**
▭	**Building Envelope**

HARDSCAPE MATERIALS:

		DETAIL
▨	**Concrete Unit Paving: Abbotsford Concrete Classic Standard California 60mm thick Main Colour: Natural. Accent: Charcoal Pattern: Running Bond Accent Pattern: TBD**	13 L6a
▨	**Concrete Unit Paving: Abbotsford Concrete Classic Standard Nevada 60mm thick Colour: Charcoal. Pattern: Running Bond**	13 L6a 11 L6a
▨	**Concrete Unit Paving: Abbotsford Concrete Classic Standard Nevada 60mm thick Colour: Natural. Pattern: Running Bond**	13 L6a 11 L6a
▨	**CIP stamped concrete surface. Pattern TBC. Natural colour to match Abbotsford Classic Standard.**	12 L6a
▨	**CIP stamped and tinted concrete surface. Pattern TBC. Charcoal colour to match Abbotsford Classic Standard.**	12 L6a
▨	**Broom finish CIP Concrete Surface with sawcut joints. Natural colour**	12 L6a
▭	**Concrete retaining wall. Spec TBC**	

SOFTSCAPE MATERIALS:

🟩	**Planting Bed. Refer to relevant details for on-slab and off slab conditions.**	
🟩	**Sodded lawn on grade. Refer to detail**	7 L6a

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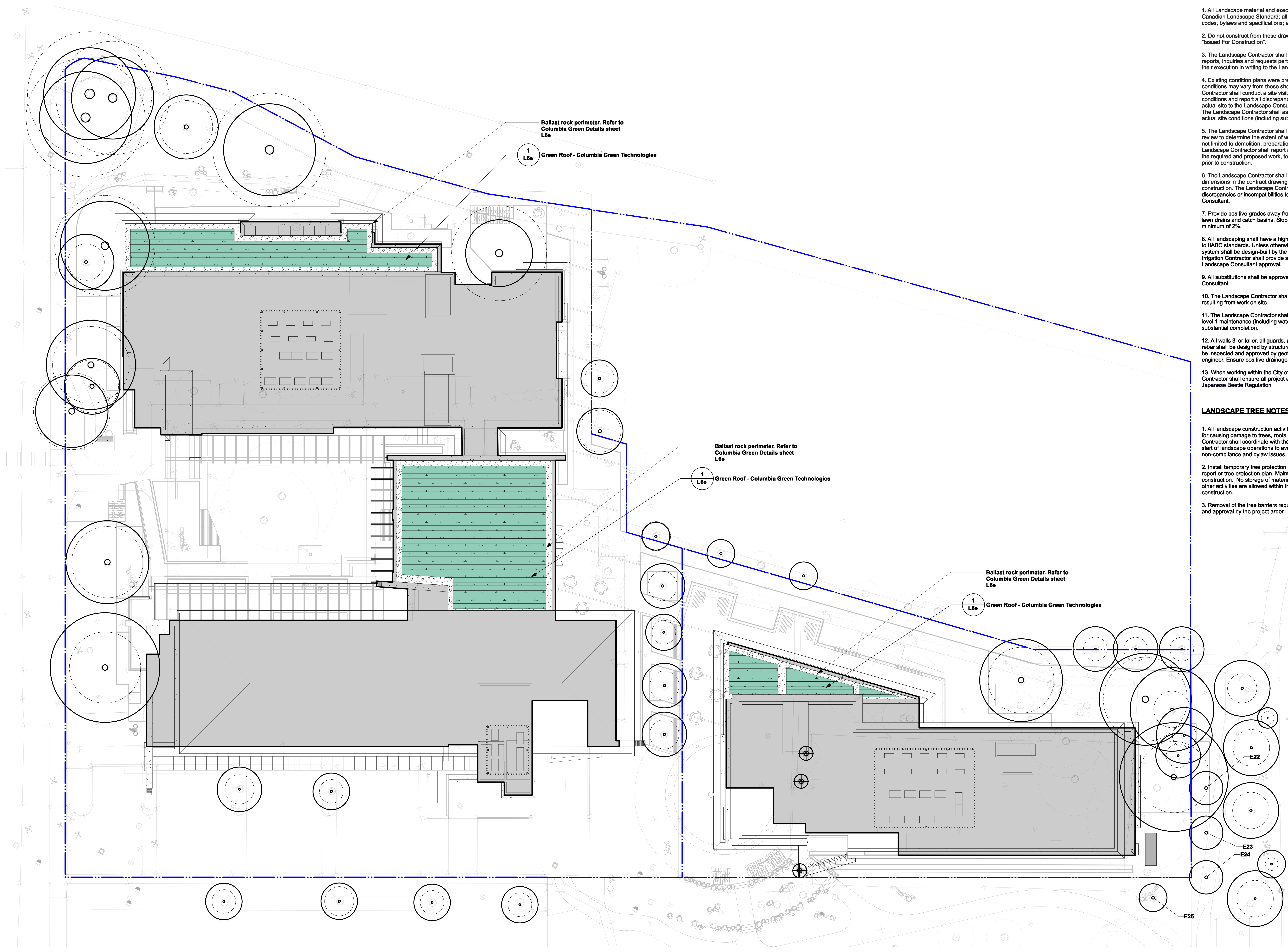
Project Title and Address
Carey College at UBC
5920 Iona Dr, Vancouver, BC V6T 1J6

Sheet Title
Landscape Materials and Layout Plan

Project No.	Scale
2022-12	1:96

Project Manager	Sheet No.
AS	L2a
Reviewed By	
AS	



4 **Landscape Materials and Layout Plan - Roof**
Scale: 1/16" = 1'-0"

LANDSCAPE GENERAL NOTES

1. All Landscape material and execution shall conform to the Canadian Landscape Standard; all applicable and noted codes, bylaws and specifications; and life-safety requirements.

2. Do not construct from these drawings unless marked "Issued For Construction".

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5. The Landscape Contractor shall conduct a site visit and review to determine the extent of work required (including but not limited to demolition, preparation and removals). Landscape Contractor shall report any discrepancies between the required and proposed work, to the Landscape Architect prior to construction.

6. The Landscape Contractor shall verify all scaled and written dimensions in the contract drawings and on site prior to construction. The Landscape Contractor shall report any discrepancies or incompatibilities to the Landscape Consultant.

7. Provide positive grades away from buildings and toward lawn drains and catch basins. Slope away from building at a minimum of 2%.

8. All landscaping shall have a high efficiency irrigation system to IIABC standards. Unless otherwise specified, the irrigation system shall be design-built by the Irrigation Contractor. The Irrigation Contractor shall provide shop drawings for Landscape Consultant approval.

9. All substitutions shall be approved by the Landscape Consultant

10. The Landscape Contractor shall repair any damage resulting from work on site.

11. The Landscape Contractor shall provide 1 year of CLS level 1 maintenance (including watering) after the date of substantial completion.

12. All walls 3' or taller, all guards, all concrete footings and all rebar shall be designed by structural engineer. All walls shall be inspected and approved by geotechnical and structural engineer. Ensure positive drainage behind all walls.

13. When working within the City of Vancouver, the Landscape Contractor shall ensure all project activities conform to Japanese Beetle Regulation

LANDSCAPE TREE NOTES

1. All landscape construction activities have a high potential for causing damage to trees, roots and soil. The Landscape Contractor shall coordinate with the project Arborist prior to the start of landscape operations to avoid tree protection non-compliance and bylaw issues.

2. Install temporary tree protection fencing as per arborist report or tree protection plan. Maintain the fencing during construction. No storage of materials or equipment, or any other activities are allowed within the protection zone during construction.

3. Removal of the tree barriers requires advance coordination and approval by the project arbor

LEGEND

▭	Property Line
▨	Building Envelope

MATERIALS		DETAIL
🟩	Planted in Place Green Roof System. Refer to details	1 L6e
▒	Ballast Rock Perimeter. Refer to Columbia Green Details	2 L6e

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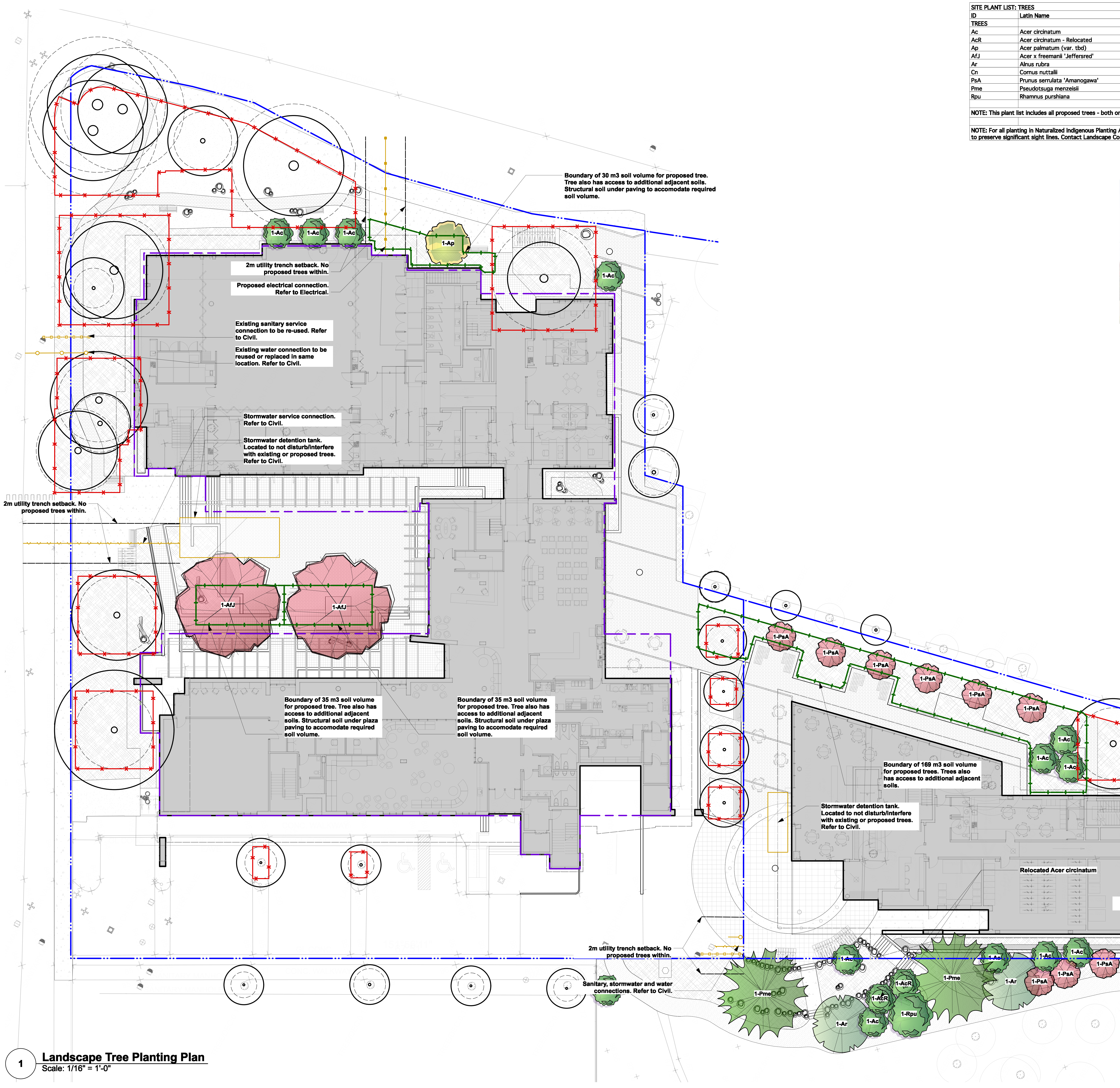
Sheet Title
Landscape Materials and Layout Plan - Roof

Project No.	Scale
2022-12	1:96

Project Manager: AS
Reviewed By: AS
Sheet No.: L2b

SITE PLANT LIST: TREES				
ID	Latin Name	Common Name	Quantity	Scheduled Size
TREES				
Ac	Acer circinatum	Vine maple	15	Multistem, 3m min. height, B+B, Specimen
AcR	Acer circinatum - Relocated	Relocated Vine maple	2	Relocated from interior courtyard
Ap	Acer palmatum (var. tbd)	Japanese Maple	1	Min 3' cal, Min 10' tall, B+B, Specimen. Variety to match existing adjacent
AfJ	Acer x freemanii 'Jeffersred'	Autumn Blaze Maple	2	6" min cal. 12' min ht, B+B, Full
Ar	Alnus rubra	Red Alder	3	3" cal, min 8' ht, B+B
Cn	Cornus nuttalii	Pacific Dogwood	1	3" min cal. B+B
PsA	Prunus serrulata 'Amanogawa'	Anamogawa Flowering Cherry	9	3" min cal. 8-10' ht, B+B, Dense and full
Pme	Pseudotsuga menzeisii	Douglas Fir	3	B+B, 8'min ht, Full and well branched
Rpu	Rhamnus purshiana	Cascara	2	1.5" cal, B+B, Staked
		Total	36	
NOTE: This plant list includes all proposed trees - both on site and in offsite areas of planting				
NOTE: For all planting in Naturalized Indigenous Planting Areas. Plant in groupings of no less than 3 and no more than 7 plants. Large plants toward back of plant bed and located to preserve significant sight lines. Contact Landscape Consultant prior to on-site plant layout to review approach.				



1 **Landscape Tree Planting Plan**
Scale: 1/16" = 1'-0"


Deciduous and evergreen trees of varying heights and flowering time provide seasonal interest, microclimate support and animal/insect habitat and food

LANDSCAPE TREE NOTES

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2. Install temporary tree protection fencing as per arborist report or tree protection plan. Maintain the fencing during construction. No storage of materials or equipment, or any other activities are allowed within the protection zone during construction.

3. Removal of the tree barriers requires advance coordination and approval by the project arbor

NOTE: REFER TO L3B FOR LANDSCAPE PLANTING NOTES APPLICABLE TO THIS SHEET

LEGEND

🟦	Property Line
🟥	Tree protection fence
🟪	Edge of Slab Below
🟨	Electrical Connection
🟨	Sanitary Connection
🟨	Stormwater Connection
🟨	Water Connection
🟩	Tree Soil Volume: Note all proposed trees are planted on grade and have continuous access to adjacent soils. Volume shown is only to illustrate minimum volume requirements have been met. Trees can access adjacent soils beyond this boundary
○	Existing Tree: TO BE RETAINED

NOTE: The tree protection barriers must be built and inspected before the building permits can be issued. Please call the building inspector at local municipality and request a tree barrier inspection at least 48 hours in advance of the building permit.

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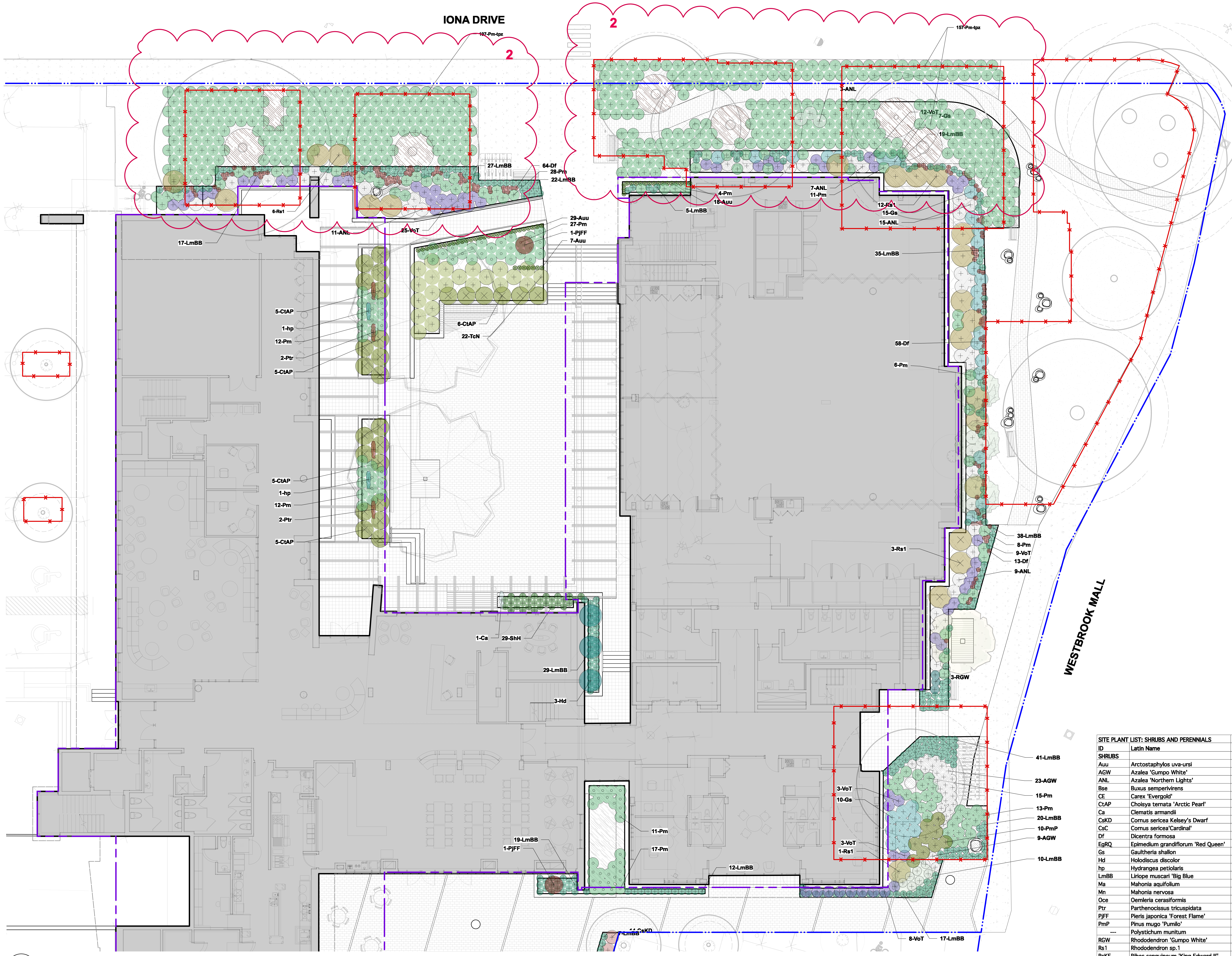
Sheet Title
Landscape Tree Planting Plan

Project No.	Scale
2022-12	1:1
Project Manager AS	Sheet No. L3a
Reviewed By AS	



2

Landscape Planting Plan North

Scale: 3/32" = 1'-0"

LANDSCAPE PLANTING NOTES

1. All planting materials and execution shall conform to the current edition of the Canadian Landscape Standard (CLS) as a minimum acceptable standard.

2. Plant material shall be sourced from Washington State and BC.

3. Landscape Contractor shall submit a soil report for each soil type specified on site (including all imported soil and existing soil intended for re-use), to Landscape Consultant for approval prior to soil delivery to site. Soil report shall be dated no more than one month before submittal. Soil report shall include CLS measures of soil quality per specified soil type and recommendations for amendment.

4. Landscape Contractor shall amend approved soils per instruction of soil report. Provide documentation of fertilizer and lime applications and rates during the installation and maintenance periods.

5. The prepared sub-grade shall be approved by the Consultant prior to application of top soil mixtures and finish grading. Compacted subgrades shall be scarified to a minimum depth of 6" (150mm) immediately before placing growing medium.

6. The Landscape Contractor shall report discrepancies between plant quantities in the plant list and plan to the Landscape Consultant prior to ordering plant material. Where there is a discrepancy the plan shall supersede the list.

7. All plant material, sod and seeds shall be approved by Landscape Consultant prior to delivery on site. The Landscape Contractor shall provide photographs with scale reference for trees and location information for container stock to the Landscape Consultant prior to the Landscape Consultant scheduling a field inspection. The Landscape Contractor shall provide cutsheets or samples of sod and seeds for approval. Plant material, sod and seeds rejected on site shall be replaced by the Landscape Contractor at no cost to the Owner.

8. Plant material, sod and seed substitutions shall not be made without the written approval of the Landscape Consultant.

9. All plant material (including root balls) shall be free of pernicious weeds, sod, disease, infestation and infection. Plant material shall be supplied by nurseries who are certified by the Clean Plants program, Canadian Nursery Certification Institute (CNCI), current certification standard http://cleanplants.ca/. Non-conforming plant material provided by the Landscape Contractor shall be removed, disposed of and replaced at the Landscape Contractor's expense.

10. If obstructions or other conditions detrimental to healthy plant growth are encountered, the Landscape Contractor shall notify the Landscape Consultant and request additional instructions.

11. The exact location of trees shall be determined on site and field fit as required. The Landscape Consultant shall approve the final location of trees prior to planting.

12. Plants shall not be pruned prior to delivery unless otherwise noted by the Landscape Consultant

13. Install composted organic mulch to CLS standard on all shrub beds after planting and rake smooth. Follow CLS standards for depth and installation.

14. The Landscape Contractor shall provide level 1 maintenance per CLS standard for landscape type and a guarantee for all plant material, for 1 year after the date of substantial completion. Plants installed prior to June (Between Jan 1 and June 1) shall be under extended warranty until June 1 of the following year.

15. Offsite planting shall have landowner approval (municipal or otherwise) prior to installation. Size, species and location require approval at the time of installation.

16. All landscaping shall have a high efficiency irrigation system to IIABC standards. Unless otherwise specified, the irrigation system shall be design-built by the Irrigation Contractor. The Irrigation Contractor shall provide shop drawings for Landscape Consultant approva

Trailing plants to soften plaza walls and arbor

Mixed plantings with seasonal interest and habitat value

SITE PLANT LIST: SHRUBS AND PERENNIALS				
ID	Latin Name	Common Name	Quantity	Scheduled Size
SHRUBS				
Auu	Arctostaphylos uva-ursi	Kinnikinnick	54	#1 pot @ 1'0" oc
AGW	Azalea 'Gumpo White'	Gumpo White Azalea	93	#2 pot @ 2'0" oc
ANL	Azalea 'Northern Lights'	Northern Lights Azalea	45	#3 pot @ 3'0" oc
Bse	Buxus semperivirens	Boxwood	54	#1 pot @ 1'6" oc
CE	Carex 'Evergold'	Golden Sedge Grass	32	#1 pot @ 1'6" oc
CtAP	Choisya ternata 'Arctic Pearl'	Arctic Pearl Mexican orange	26	#3 pot @ 4'0" oc
Ca	Clematis armandii	Evergreen Clematis	1	#1 pot @ 5'0" oc
CsKD	Cornus sericea Kelsey's Dwarf	Dwarf Red-Osier Dogwood	14	#1 pot @ 3'0" oc
CsC	Cornus sericea'Cardinal'	Cardinal Red Osier Dogwood	19	5 gal. pot @ 5'0" oc
Df	Dicentra formosa	Bleeding heart	135	#1 pot @ 1'0" oc
EgRQ	Epimedium grandiflorum 'Red Queen'	Red Queen Epimedium	177	#1 pot @ 1'6" oc
Gs	Gaultheria shallon	Salal	74	#3 pot @ 3'0" oc
Hd	Holodiscus discolor	Ocean spray	13	#1 pot @ 5'0" oc
hp	Hydrangea petiolaris	Climbing hydrangea	2	#1 pot @ 5'0" oc
LmBB	Liriope muscari 'Big Blue	Big Blue Lily Turf	608	#1 pot @ 1'6" oc
Ma	Mahonia aquifolium	Tall Oregon Grape	72	#3 pot @ 3'0" oc
Mn	Mahonia nervosa	Cascade Oregon Grape	115	#1 pot @ 1'6" oc
Oce	Oemleria cerasiformis	Osoberry	1	6' ht.
Ptr	Parthenocissus tricuspidata	Boston Ivy	4	#1 pot @ 5'0" oc
PjFF	Pieris japonica 'Forest Flame'	Forest Flame Pieris	2	#5 pot @ 4'0" oc. Min 5' ht.
PmP	Pinus mugo 'Pumilo'	Pumilo Mugo Pine	10	#3 pot @ 3'0" oc
---	Polystichum munitum	Sword Fern	938	---
RGW	Rhododendron 'Gumpo White'	Gumpo White Rhododendron	3	#3 pot @ 2'0" oc
Rs1	Rhododendron sp.1	Tall Rhododendron (To Approval)	22	#3 pot @ 5'0"oc
RsKE	Ribes sanguineum 'King Edward II"	King Edward Flowering Currant	23	#3 pot @ 5'0" oc
Rn	Rosa nutkana	Nootka Rose	7	#2 pot @ 3'6" oc
ShH	Sarcococca hookeriana 'Humilis'	Dwarf Sweet Box	29	#1 pot @ 1'6" oc
Sd	Spirea douglasii	Hardhack	32	#1 pot @ 4'0" oc
Sa	Symphoricarpos albus	Snowberry	19	#2 pot @ 3'6" oc
TcN	Taxus cuspidata 'Nana'	Dwarf Japanese Yew	22	#2 pot @ 3'6" oc
VoT	Vaccinium ovatum 'Thunderbird'	Thunderbird Evergreen Huckleberry	147	#3 pot @ 2'6" oc
Vp	Vaccinium parvifolium	Red huckleberry	92	#2 pot @ 3'0" oc
GROUNDCOVER				
Assorted perennials selected by Landscape Architect			100	#1 pot
NOTE: This plant list includes all proposed shrubs and perennials - both on site and in offsite areas of planting				

Large plants toward back of plant bed and located to preserve significant sight lines. Contact Landscape Consultant prior to on-site plant layout to review approach.

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Prospect & Refuge
LANDSCAPE ARCHITECTS
#102-1661 W 2nd Ave Vancouver, BC V6J 1H3
604-669-1003 info@prospectrefuge.ca
Building on over 25 years of history as Jonathan Losee, Ltd.

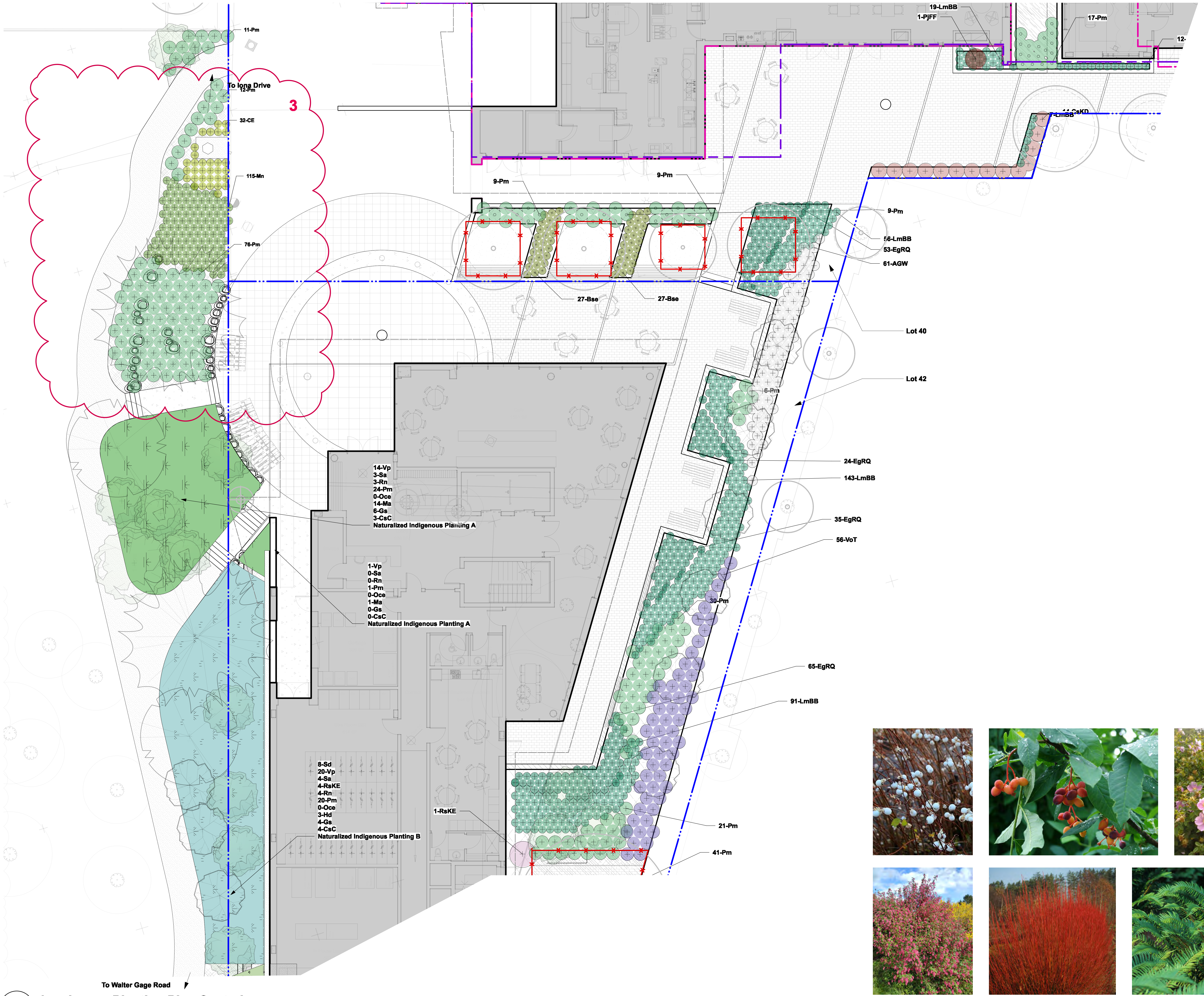
Project Title and Address

Carey College at UBC
5920 Iona Dr, Vancouver, BC V6T 1J6

Sheet Title

Landscape Planting Plan North

Project No.	Scale
2022-12	1:1
Project Manager	Sheet No.
AS	L3b
Reviewed By	
AS	



2

Landscape Planting Plan Central

Scale: 3/32" = 1'-0"

LANDSCAPE PLANTING NOTES

1. All planting materials and execution shall conform to the current edition of the Canadian Landscape Standard (CLS) as a minimum acceptable standard.

2. Plant material shall be sourced from Washington State and BC.

3. Landscape Contractor shall submit a soil report for each soil type specified on site (including all imported soil and existing soil intended for re-use), to Landscape Consultant for approval prior to soil delivery to site. Soil report shall be dated no more than one month before submittal. Soil report shall include CLS measures of soil quality per specified soil type and recommendations for amendment.

4. Landscape Contractor shall amend approved soils per instruction of soil report. Provide documentation of fertilizer and lime applications and rates during the installation and maintenance periods.

5. The prepared sub-grade shall be approved by the Consultant prior to application of top soil mixtures and finish grading. Compacted subgrades shall be scarified to a minimum depth of 6" (150mm) immediately before placing growing medium.

6. The Landscape Contractor shall report discrepancies between plant quantities in the plant list and plan to the Landscape Consultant prior to ordering plant material. Where there is a discrepancy the plan shall supersede the list.

7. All plant material, sod and seeds shall be approved by Landscape Consultant prior to delivery on site. The Landscape Contractor shall provide photographs with scale reference for trees and location information for container stock to the Landscape Consultant prior to the Landscape Consultant scheduling a field inspection. The Landscape Contractor shall provide cutsheets or samples of sod and seeds for approval. Plant material, sod and seeds rejected on site shall be replaced by the Landscape Contractor at no cost to the Owner.

8. Plant material, sod and seed substitutions shall not be made without the written approval of the Landscape Consultant.

9. All plant material (including root balls) shall be free of pernicious weeds, sod, disease, infestation and infection. Plant material shall be supplied by nurseries who are certified by the Clean Plants program, Canadian Nursery Certification Institute (CNCI), current certification standard http://cleanplants.ca/. Non-conforming plant material provided by the Landscape Contractor shall be removed, disposed of and replaced at the Landscape Contractor's expense.

10. If obstructions or other conditions detrimental to healthy plant growth are encountered, the Landscape Contractor shall notify the Landscape Consultant and request additional instructions.

11. The exact location of trees shall be determined on site and field fit as required. The Landscape Consultant shall approve the final location of trees prior to planting.

12. Plants shall not be pruned prior to delivery unless otherwise noted by the Landscape Consultant

13. Install composted organic mulch to CLS standard on all shrub beds after planting and rake smooth. Follow CLS standards for depth and installation.

14. The Landscape Contractor shall provide level 1 maintenance per CLS standard for landscape type and a guarantee for all plant material, for 1 year after the date of substantial completion. Plants installed prior to June (Between Jan 1 and June 1) shall be under extended warranty until June 1 of the following year.

15. Offsite planting shall have landowner approval (municipal or otherwise) prior to installation. Size, species and location require approval at the time of installation.

16. All landscaping shall have a high efficiency irrigation system to IIABC standards. Unless otherwise specified, the irrigation system shall be design-built by the Irrigation Contractor. The Irrigation Contractor shall provide shop drawings for Landscape Consultant approva

NOTE: REFER TO SHEET L3b FOR SITE SHRUB AND PERENNIAL PLANTING LIST

Naturalized Indigenous planting on West and South lot 42 provides wildlife food, shelter and seasonal interest

Date	Issue Notes
2022-12-01	Re-Issue for DP Board
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2022-06-08	Issued for Arch Coordination
2022-06-07	Issued for Arch Review/Coordination
2022-05-26	Issued for Arch and Arborist Coordination In progress
2022-05-17	In Progress for Coordination/Communication *L2a Only*

Seal

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Carey College at UBC
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Sheet Title
Landscape Planting Plan Central

Project No.
2022-12

Scale
1:1

Project Manager
AS

Reviewed By
AS

Sheet No.
L3c

LANDSCAPE PLANTING NOTES

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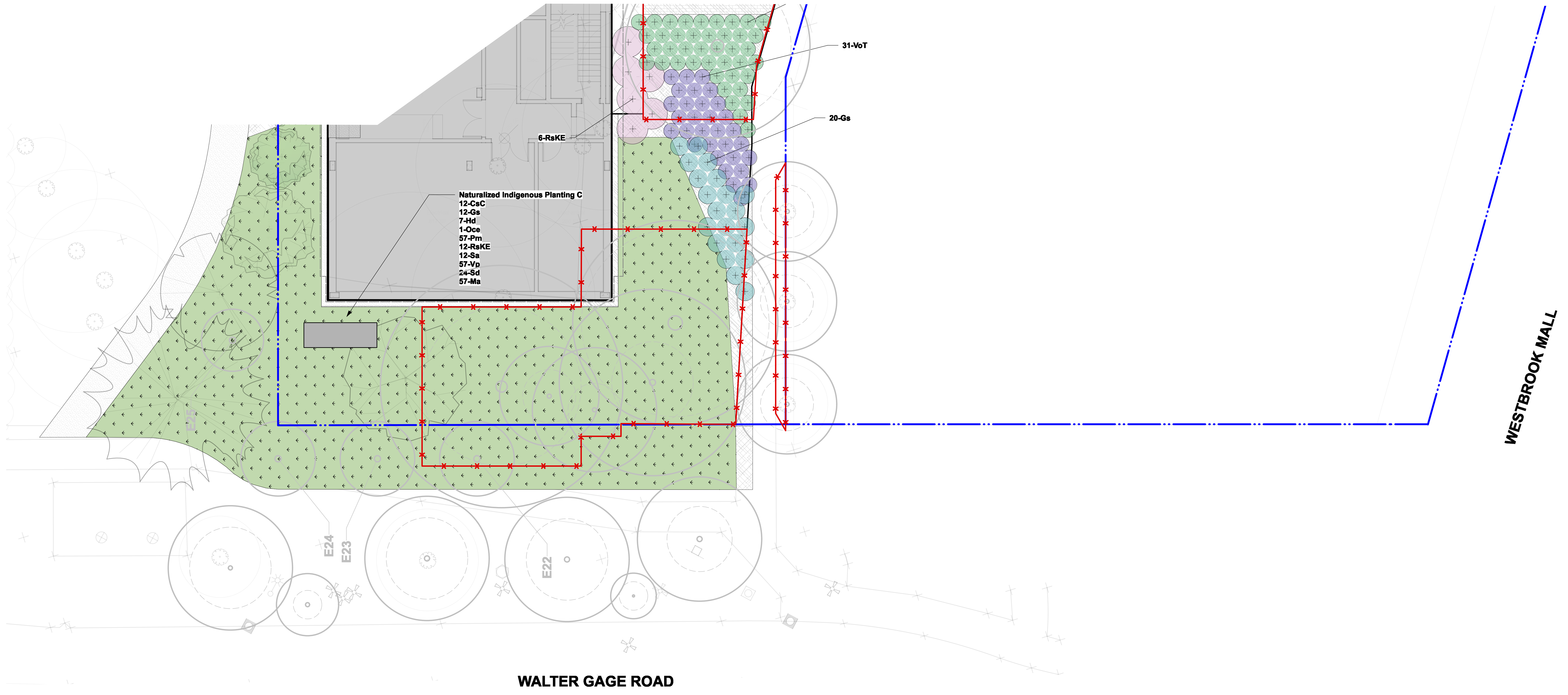
NOTE: REFER TO SHEET L3b FOR SITE SHRUB AND PERENNIAL PLANTING LIST



1 **Landscape Planting Plan South**
Scale: 3/32" = 1'-0"

Date	Issue Notes
2022-12-01	Re-Issue for DP Board
2022-10-03	L1 - In Progress for Arch Review/Coordination
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2022-05-17	In Progress for Coordination/Communication *L2a Only*

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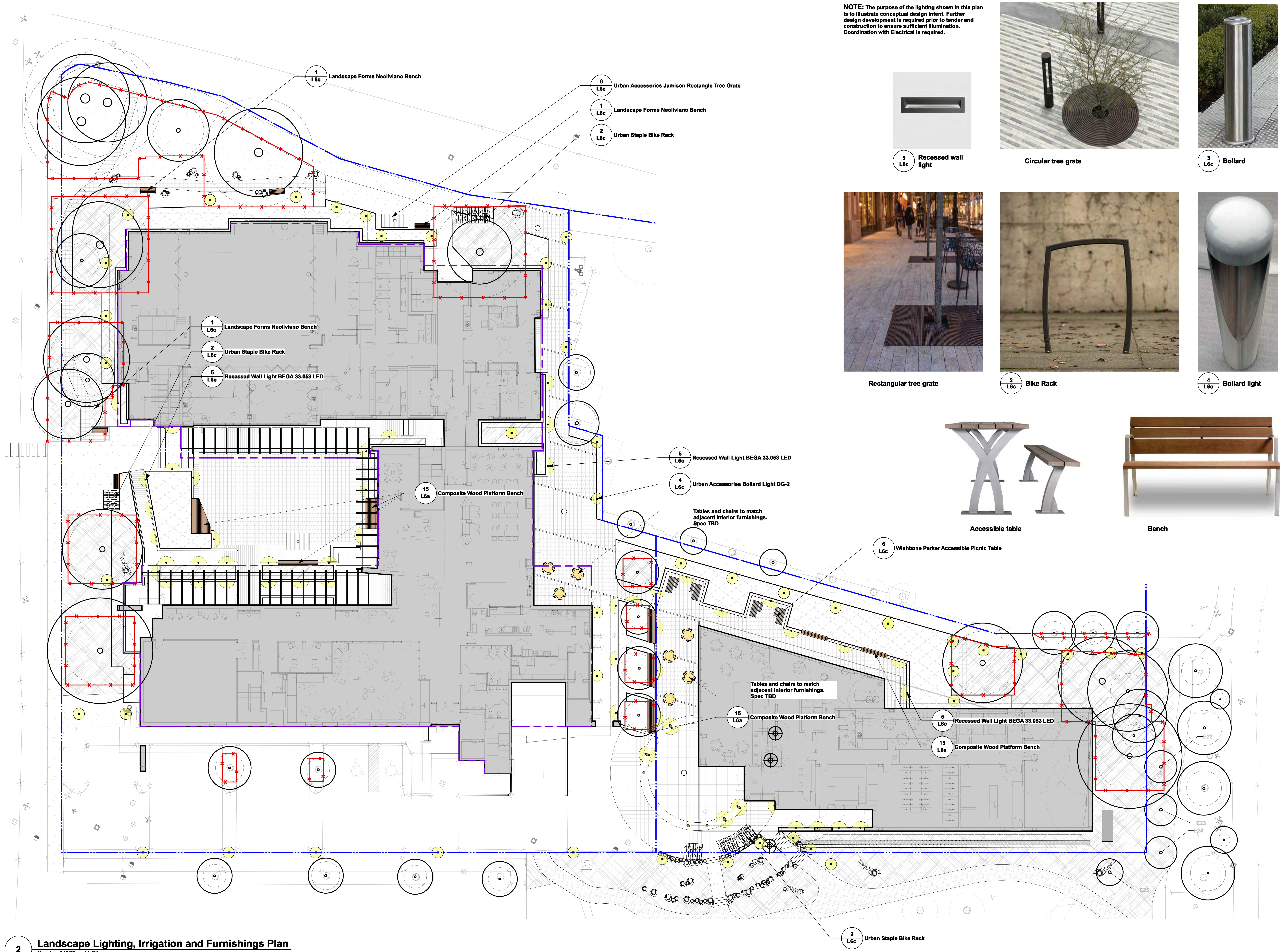
Carey College at UBC
5920 Iona Dr, Vancouver, BC V6T 1J6

Sheet Title
Landscape Planting Plan South

Project No.: 2022-12
Scale: 1:1
Project Manager: AS
Sheet No.: L3d
Reviewed By: AS



2 **Landscape Lighting, Irrigation and Furnishings Plan**
Scale: 1/16" = 1'-0"

NOTE: The purpose of the lighting shown in this plan is to illustrate conceptual design intent. Further design development is required prior to tender and construction to ensure sufficient illumination. Coordination with Electrical is required.

5 L6c Recessed wall light

Circular tree grate

3 L6c Bollard

Rectangular tree grate

2 L6c Bike Rack

4 L6c Bollard light

Accessible table

Bench

LEGEND

▭	Property Line
▭	Tree protection fence
▭	Edge of Slab Below

LIGHTING

●	4 L6c	Urban Accessories Bollard Light DG-2
◓	5 L6c	Recessed Wall Light BEGA 33.053 LED

FURNISHINGS

▬	1 L6c	Landscape Forms Neoliviano Bench
●		Cafe seating to match interior furnishings. Refer to Architecture
▨	6 L6c	Wishbone Parker Accessible Picnic Table
▨	2 L6c	Urban Staple Bike Rack
▬	15 L6a	Composite Wood Platform Bench

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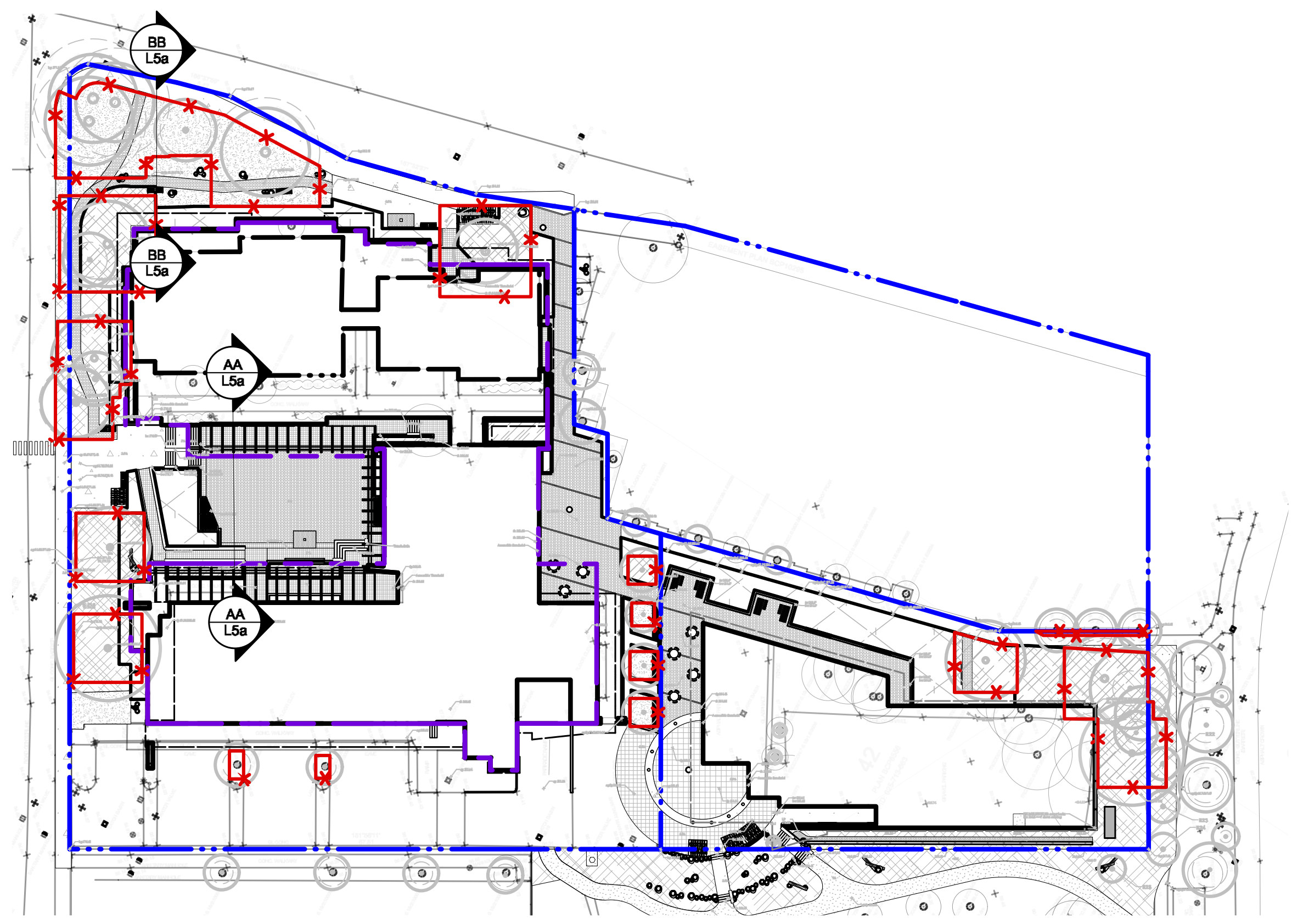
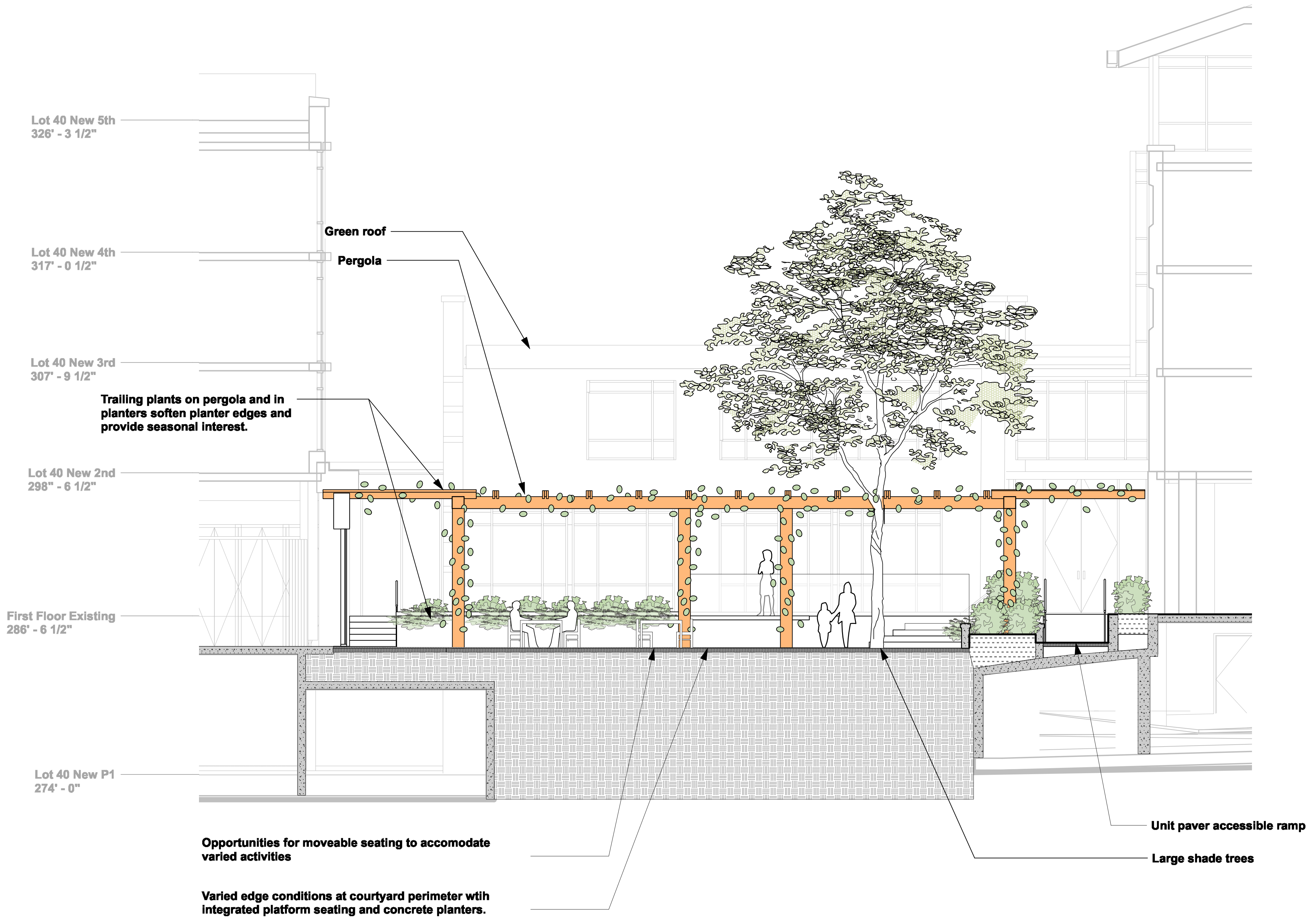
Sheet Title
Landscape Lighting and Furnishings Plan

Project No. 2022-12	Scale 1:1
Project Manager AS	Sheet No. L4a
Reviewed By AS	



3 **Key Plan**
Scale: 1:750

a Landscape Section - Westbrook E/W
Scale: 1/8" = 1'-0"



B Landscape Section - Courtyard E/W
Scale: 1/8" = 1'-0"

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Sheet Title
Landscape Sections

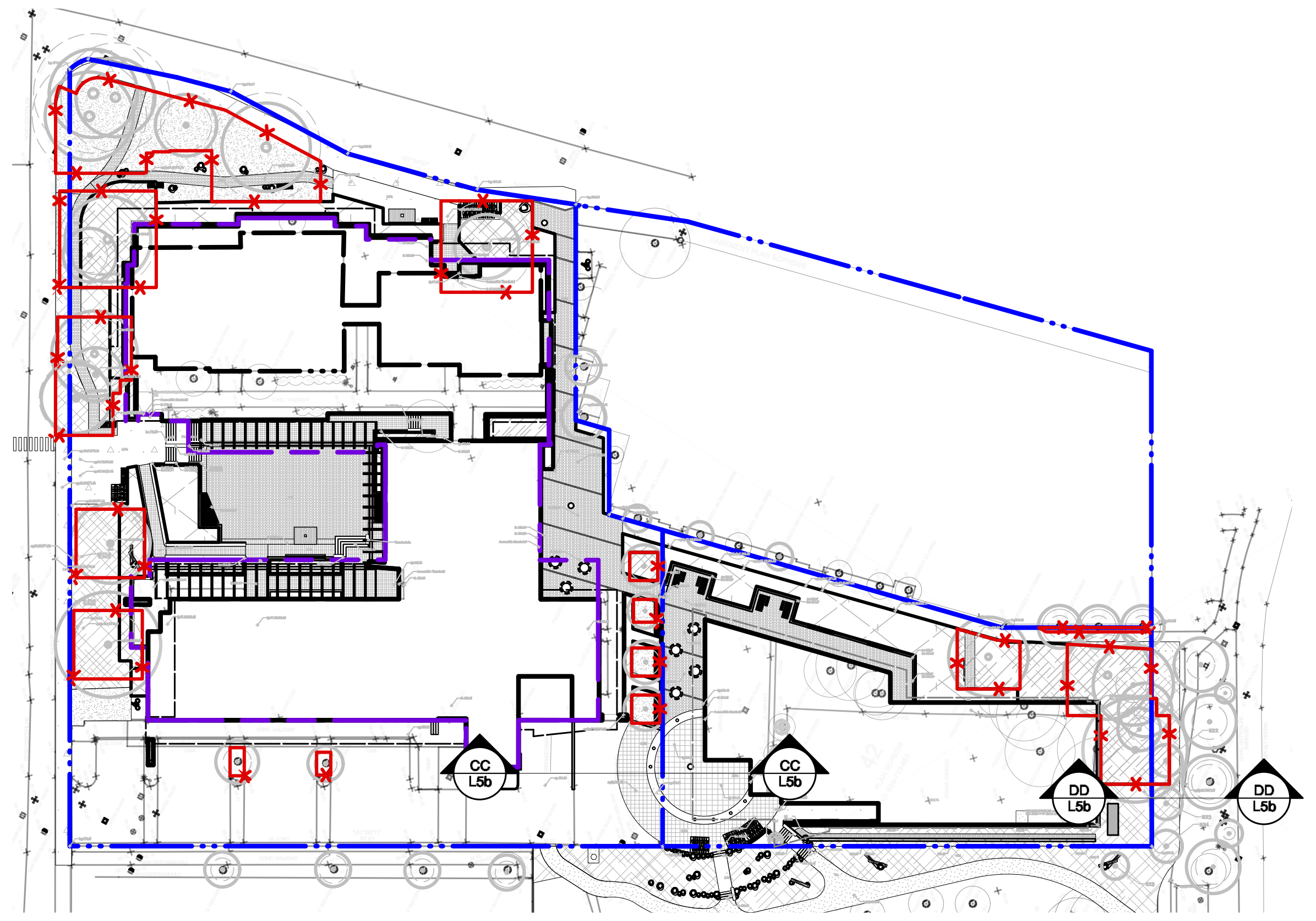
Project No.
2022-12

Scale
3/8" = 1'-0"

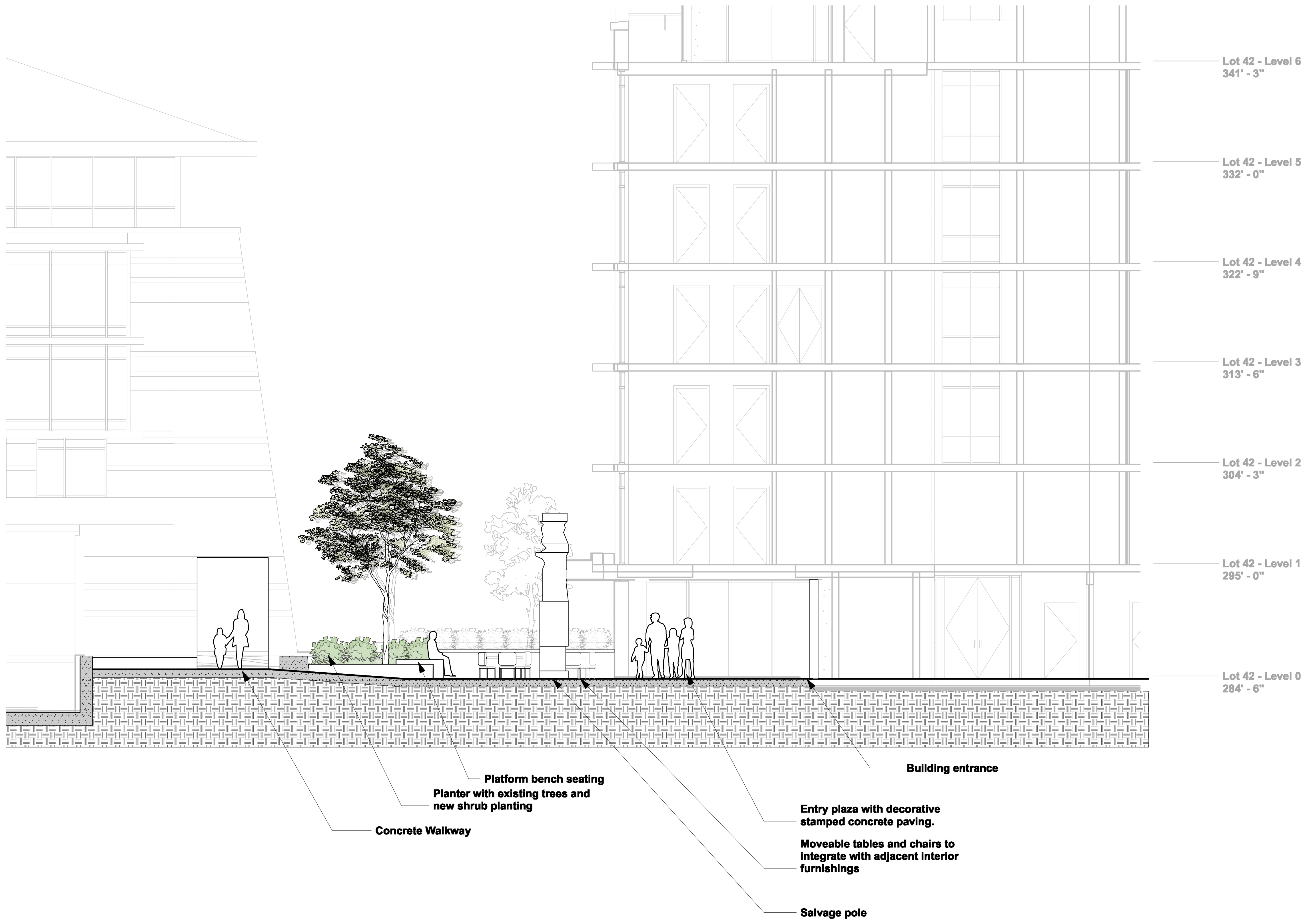
Project Manager
AS

Reviewed By
AS

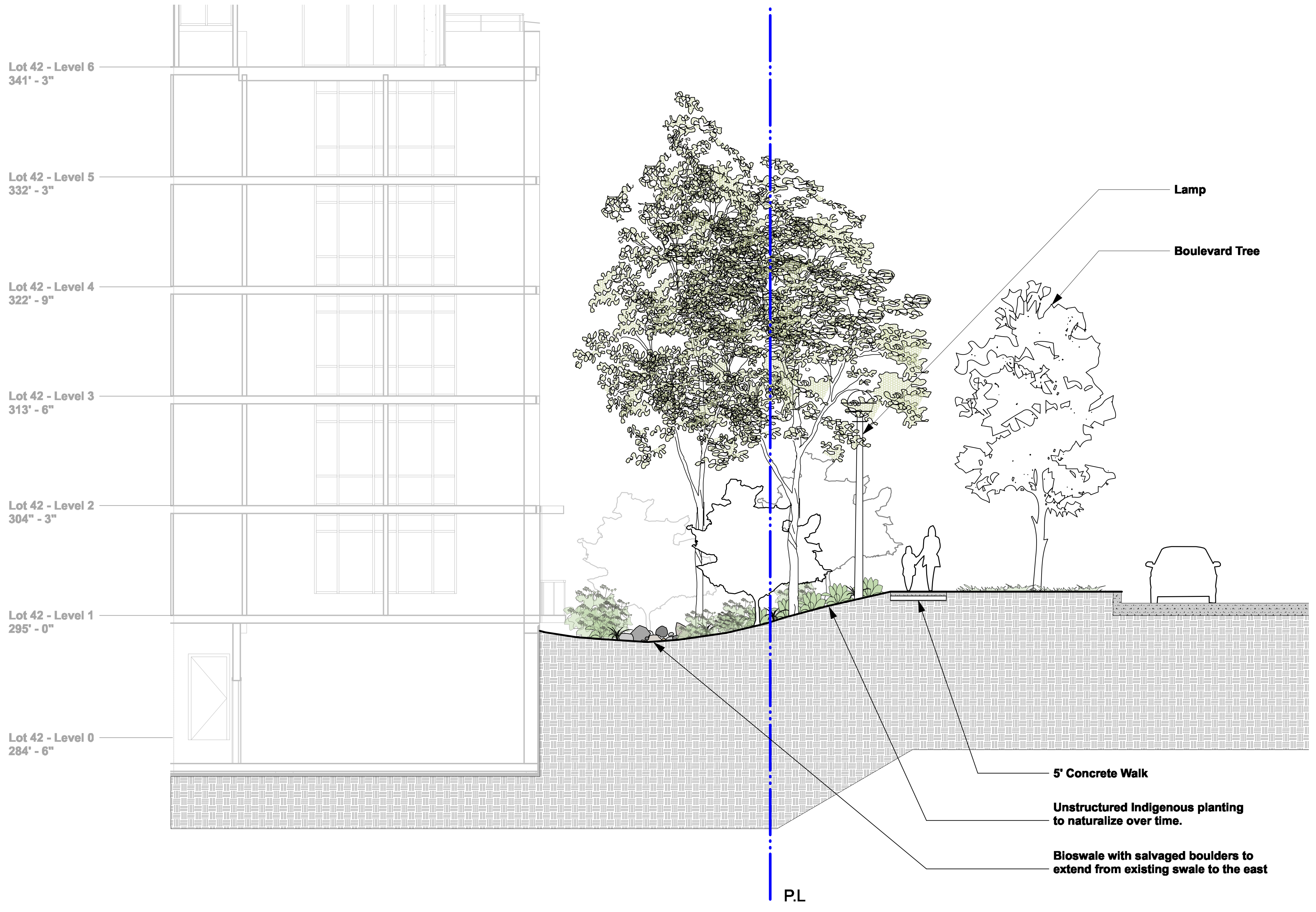
Sheet No.
L5a



3 **Key Plan**
Scale: 1:750



CC **Landscape Section - Mews N/S**
Scale: 1/8" = 1'-0"



DD **Landscape Section**
Scale: 1/8" = 1'-0"

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Sheet Title
Landscape Sections

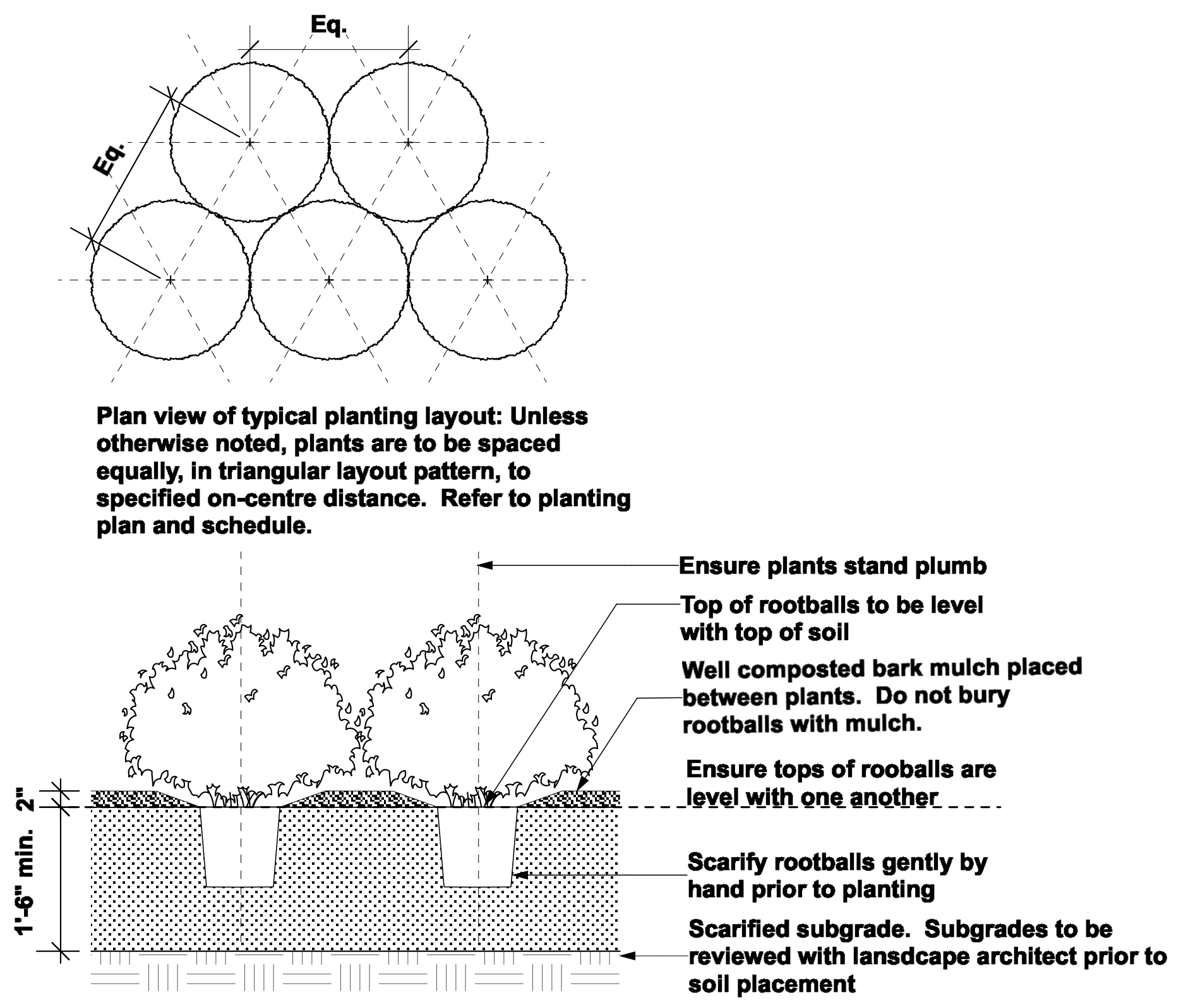
Project No.
2022-12

Scale
3/8" = 1'-0"

Project Manager
AS

Sheet No.
L5b

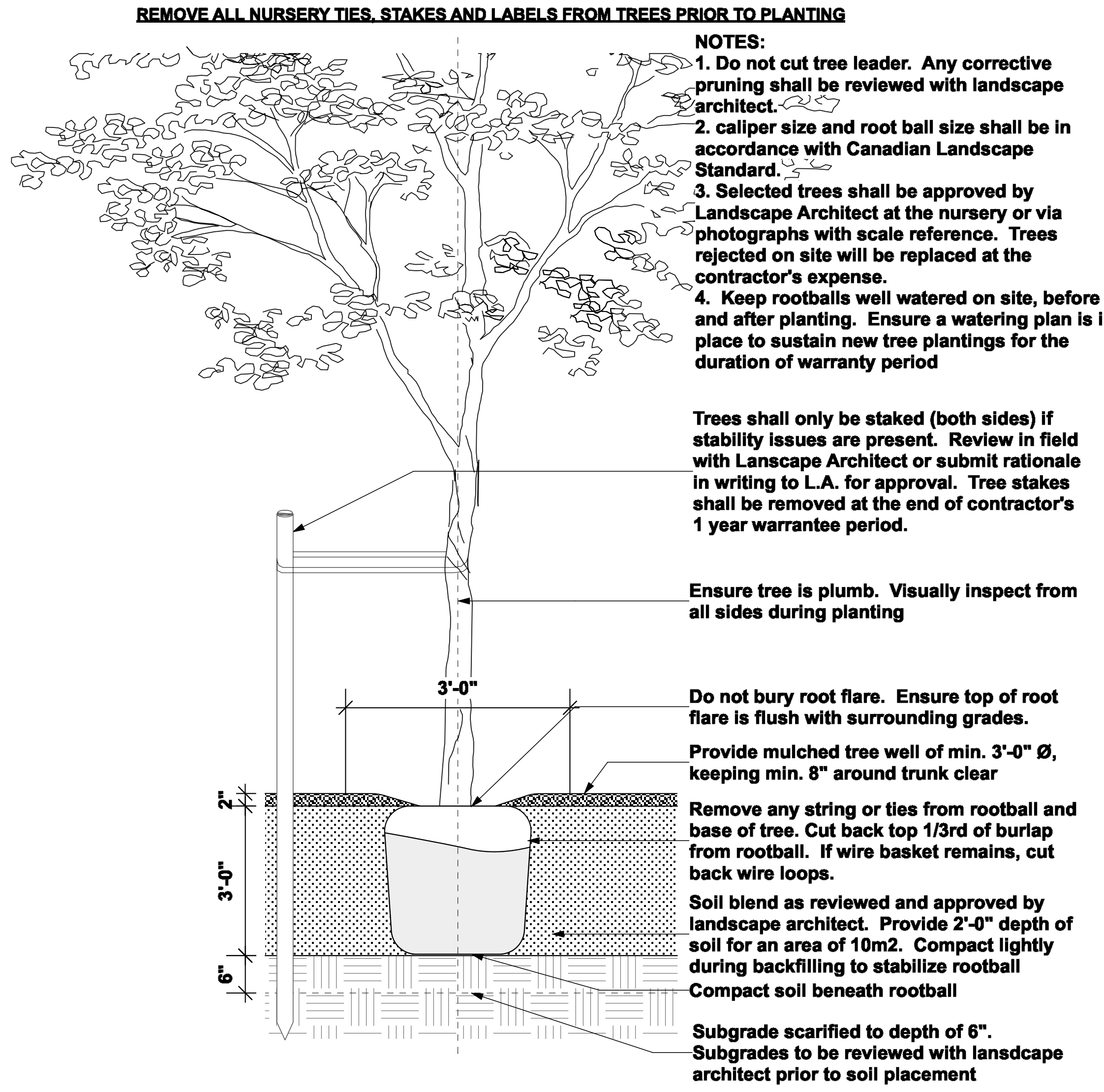
Reviewed By
AS



Plan view of typical planting layout: Unless otherwise noted, plants are to be spaced equally, in triangular layout pattern, to specified on-centre distance. Refer to planting plan and schedule.

NOTES:
1. Min. container size and root spread to comply with BC Landscape Standard for Nursery Stock - current edition.
2. Prune all damaged, diseased, and dead limbs.
3. Keep roots moist during installation: water container stock well prior to planting and following planting.

1 Shrub and Perennial Planting on Grade
Scale: 1/2" = 1'-0"

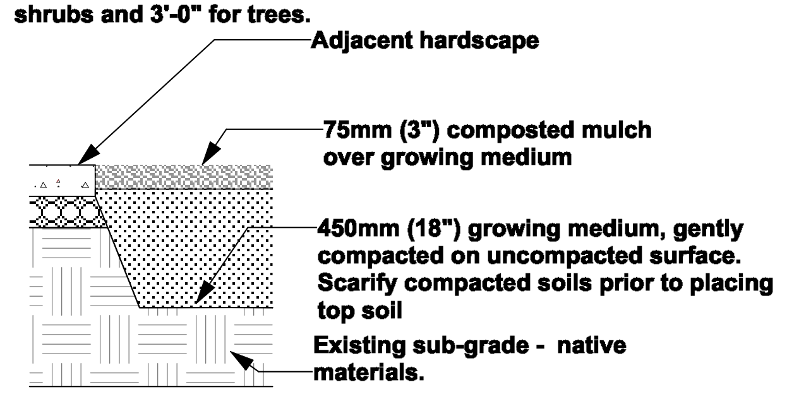


NOTES:
1. Do not cut tree leader. Any corrective pruning shall be reviewed with landscape architect.
2. caliper size and root ball size shall be in accordance with Canadian Landscape Standard.
3. Selected trees shall be approved by Landscape Architect at the nursery or via photographs with scale reference. Trees rejected on site will be replaced at the contractor's expense.
4. Keep rootballs well watered on site, before and after planting. Ensure a watering plan is in place to sustain new tree plantings for the duration of warranty period

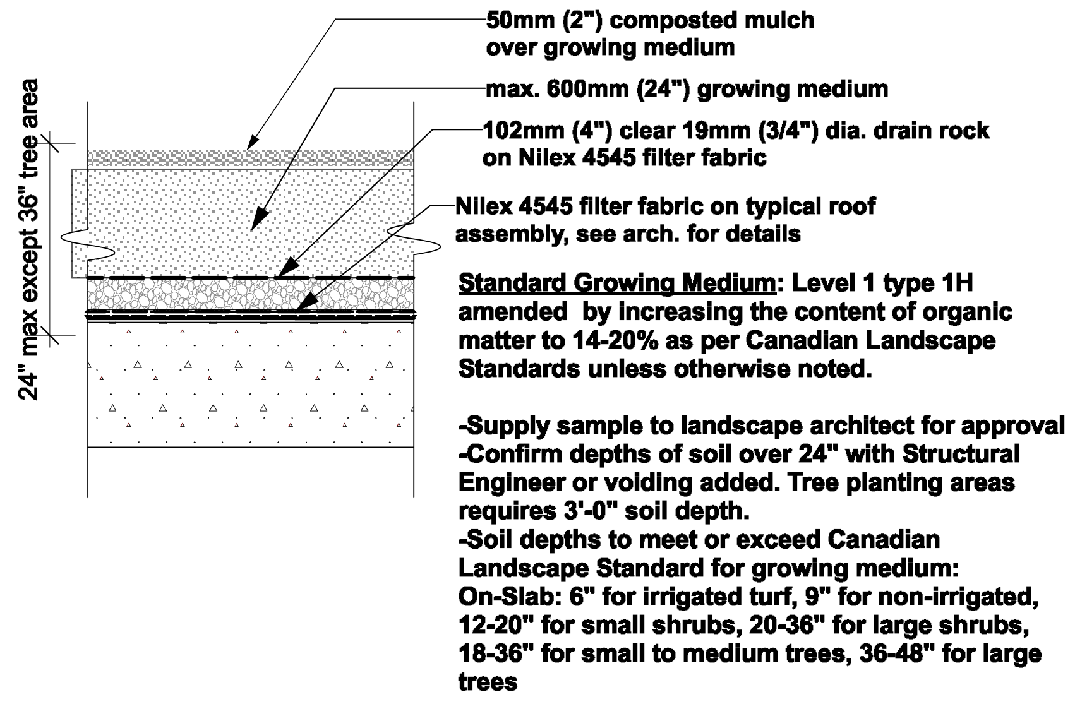
2 Tree Planting
Scale: 1/2" = 1'-0"

Standard Growing Medium: Level 2 type 2P as per Canadian Landscape Standards unless otherwise noted.

-Supply soil report indicative of soil to be used on site to landscape architect for approval prior to delivery soil report shall be no older than 1 month
-Soil depths to meet or exceed Canadian Landscape Standard for growing medium:
On-Grade: 6" for irrigated turf 18" for small shrubs & 24" for large shrubs and 3'-0" for trees.



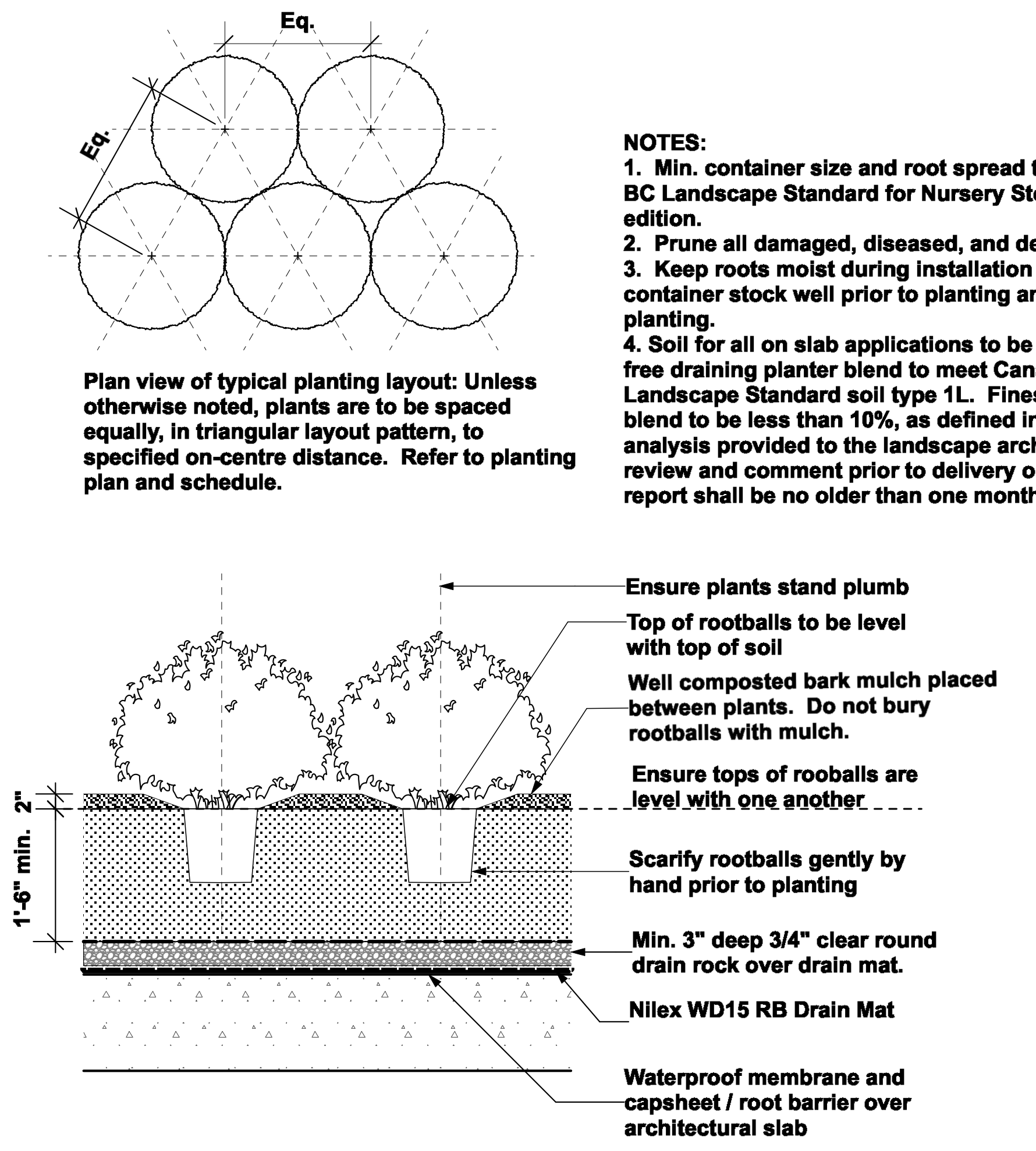
3 Soil Installation on Grade
Scale: 1/2" = 1'-0"



Standard Growing Medium: Level 1 type 1H amended by increasing the content of organic matter to 14-20% as per Canadian Landscape Standards unless otherwise noted.

-Supply sample to landscape architect for approval
-Confirm depths of soil over 24" with Structural Engineer or voiding added. Tree planting areas requires 3'-0" soil depth.
-Soil depths to meet or exceed Canadian Landscape Standard for growing medium:
On-Slab: 6" for irrigated turf, 9" for non-irrigated, 12-20" for small shrubs, 20-36" for large shrubs, 18-36" for small to medium trees, 36-48" for large trees

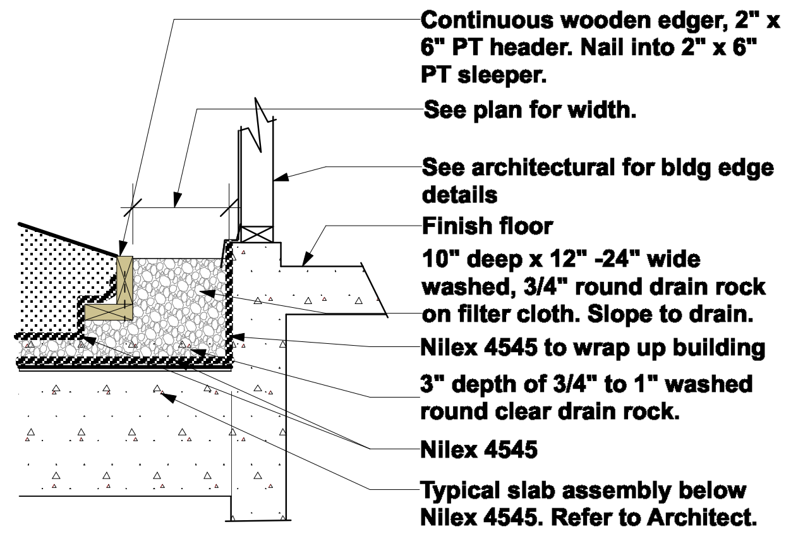
4 Soil Installation on Slab
Scale: 1/2" = 1'-0"



Plan view of typical planting layout: Unless otherwise noted, plants are to be spaced equally, in triangular layout pattern, to specified on-centre distance. Refer to planting plan and schedule.

NOTES:
1. Min. container size and root spread to comply with BC Landscape Standard for Nursery Stock - current edition.
2. Prune all damaged, diseased, and dead limbs.
3. Keep roots moist during installation - water container stock well prior to planting and following planting.
4. Soil for all on slab applications to be a lightweight, free draining planter blend to meet Canadian Landscape Standard soil type 1L. Fines within soil blend to be less than 10%, as defined in a soil analysis provided to the landscape architect for review and comment prior to delivery on site. Soil report shall be no older than one month.

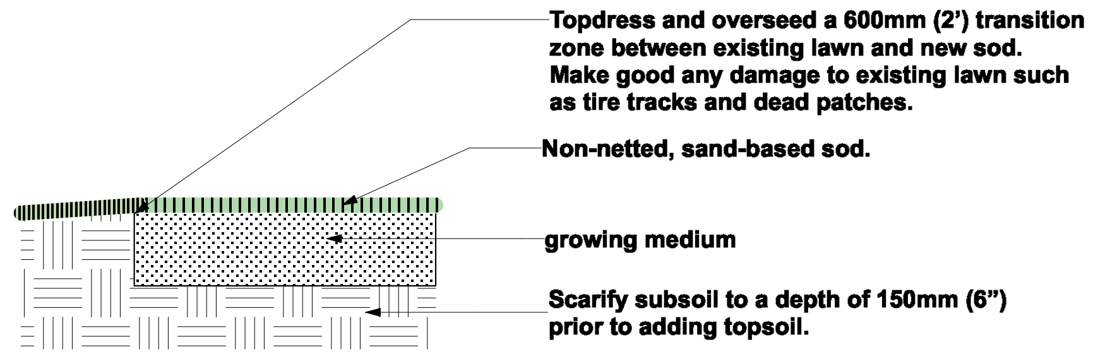
5 Shrub and Perennial Planting on Slab
Scale: 1/2" = 1'-0"



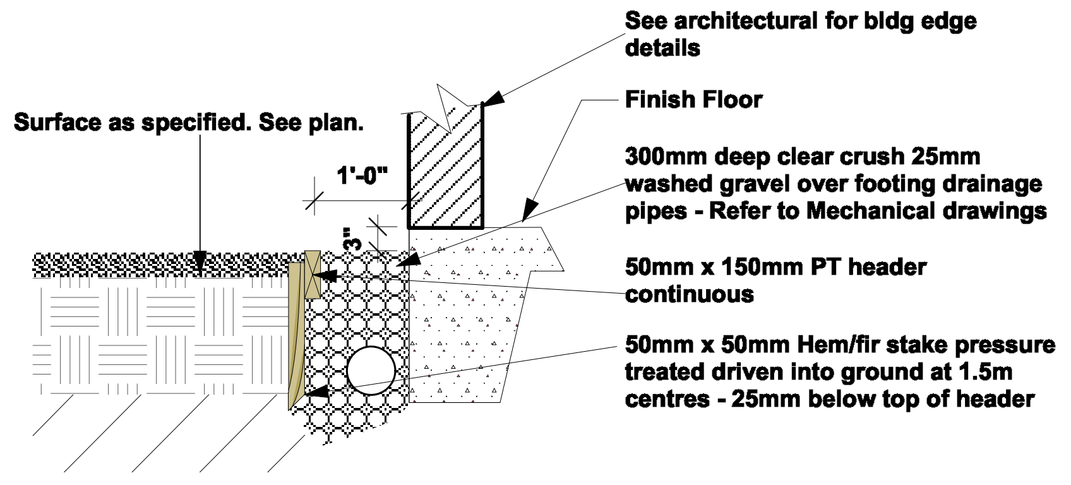
6 Drainage strip at building edge on slab
Scale: 1/2" = 1'-0"

Standard Growing Medium for Lawn offsite: Level 2 type 2L as per Canadian Landscape Standards unless otherwise noted.
Standard Growing Medium for Lawn onsite: Level 1 type 1H as per Canadian Landscape Standards unless otherwise noted.

-Supply sample to landscape architect for approval
-Soil depths to meet or exceed Canadian Landscape Standard for growing medium:
On-Slab: 6" for irrigated turf, 9" for non-irrigated,



7 Lawn on grade
Scale: 1/2" = 1'-0"



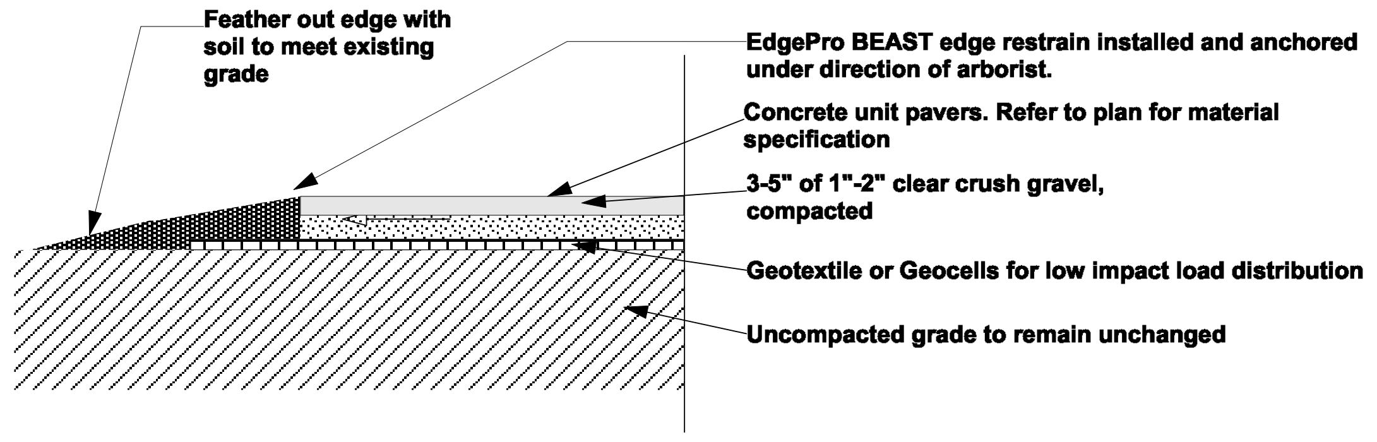
8 Drainage Strip at building edge on grade
Scale: 1/2" = 1'-0"

NOTE:

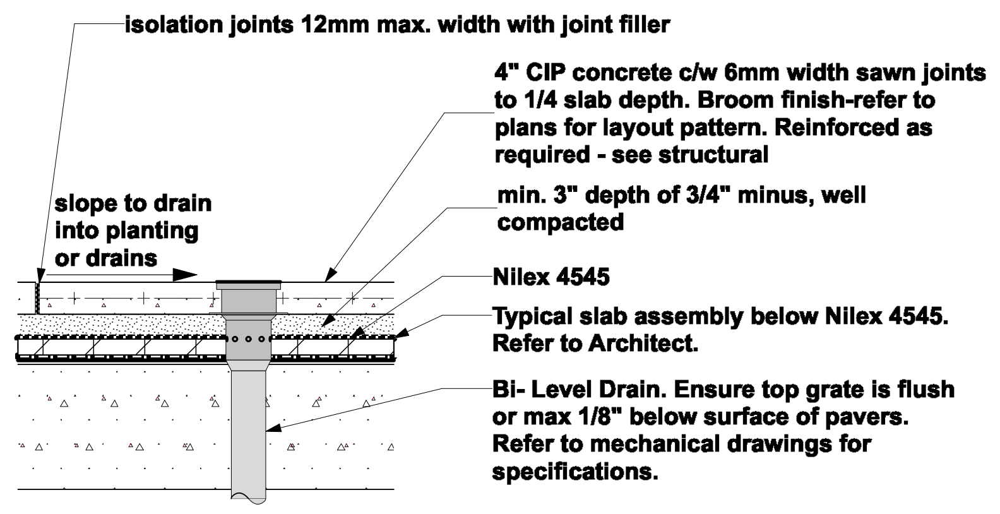
1. All work within tree protection zone to be done under the supervision of the project Arborist.

2. Keep the existing tree roots and soil intact below the path with an aeration layer and load distribution measures.

3. Low impact construction of this path (3.0m alignment) will require further exploration. Finished grade of the path to be at least 350mm (14 inches) above existing grade, and the engineer of record to accept that a base for the sidewalk would be substandard and differential settlement may occur.

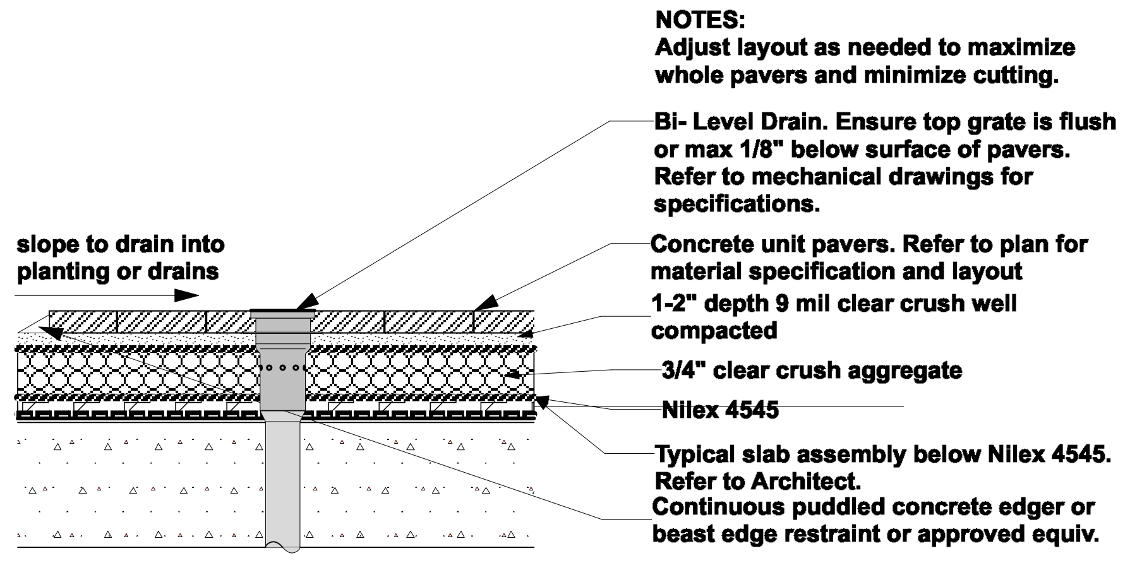


9 Concrete unit pavers in tree protection area
Scale: 1/2" = 1'-0"

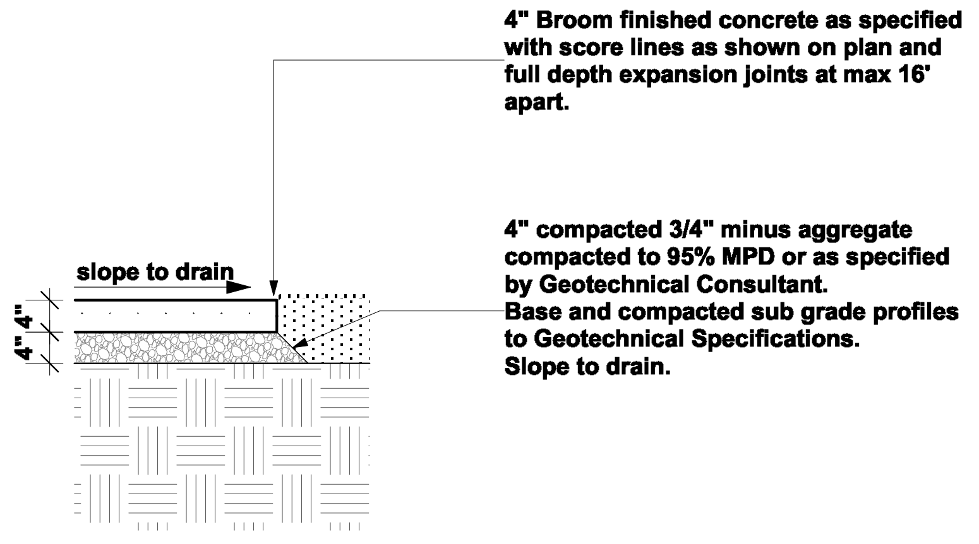


10 PIP Concrete Surface Over Slab
Scale: 1/2" = 1'-0"

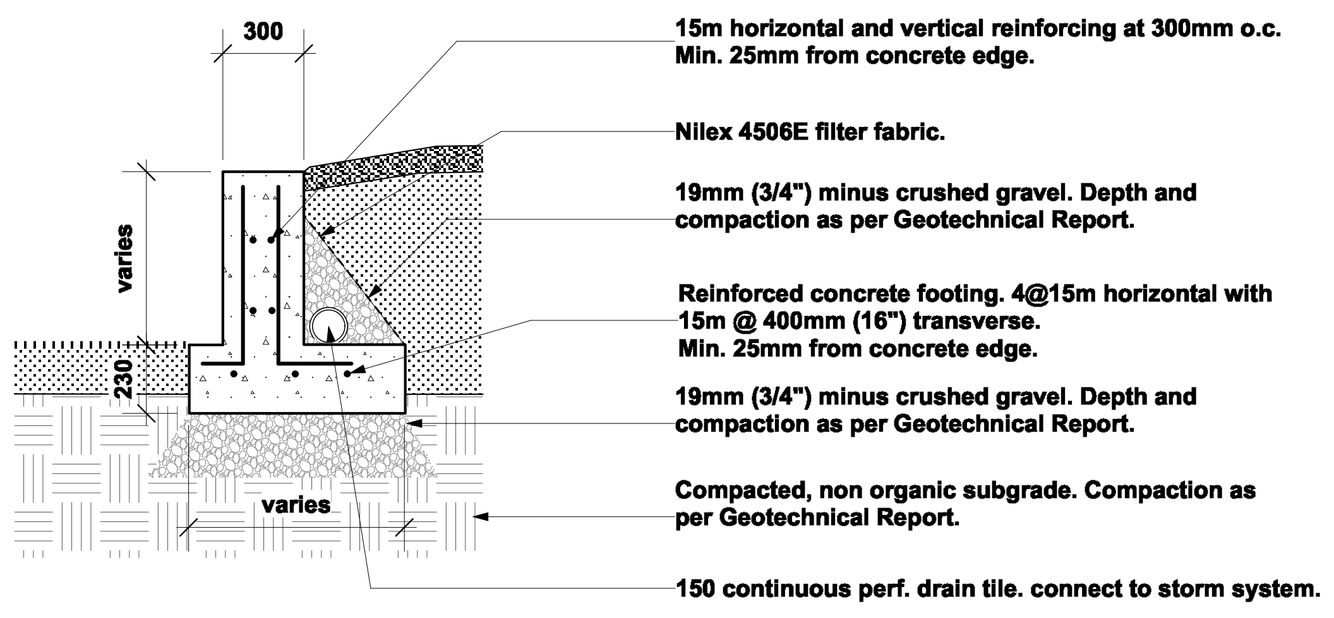
NOTES:
Adjust layout as needed to maximize whole pavers and minimize cutting.



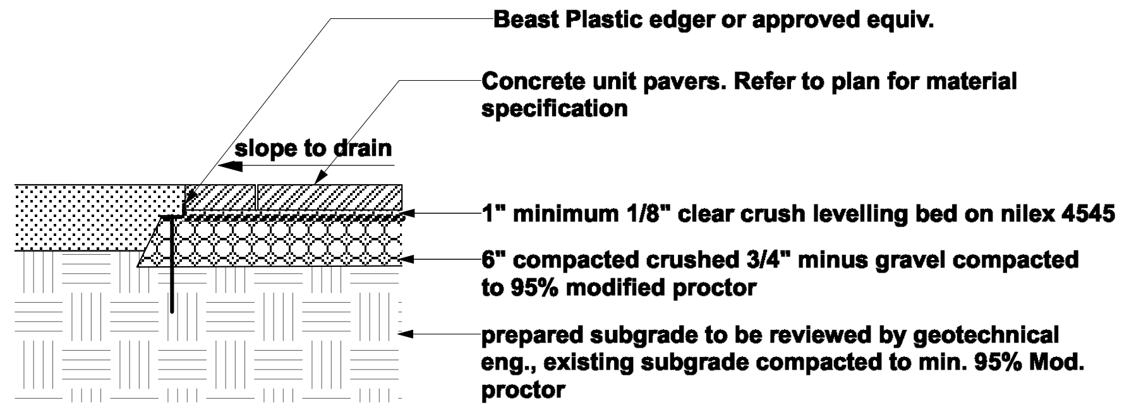
11 Concrete Unit Pavers Over Slab
Scale: 1/2" = 1'-0"



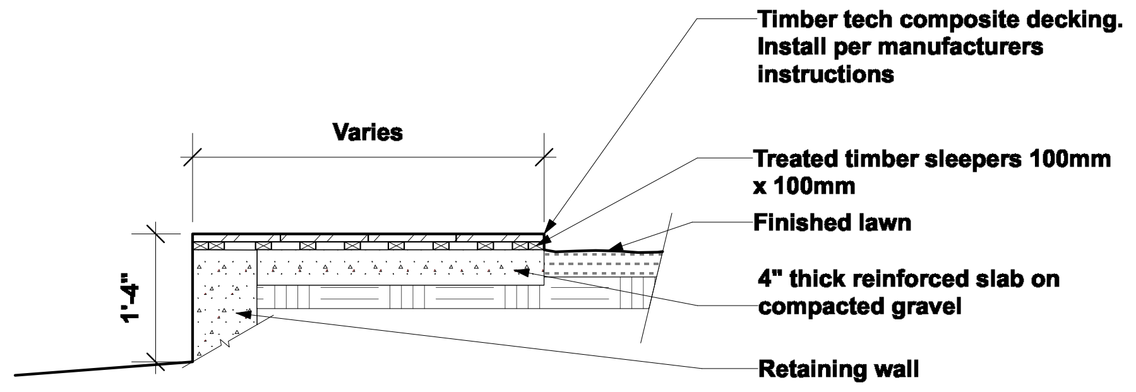
12 PIP Concrete Surface Over Grade
Scale: 1/2" = 1'-0"



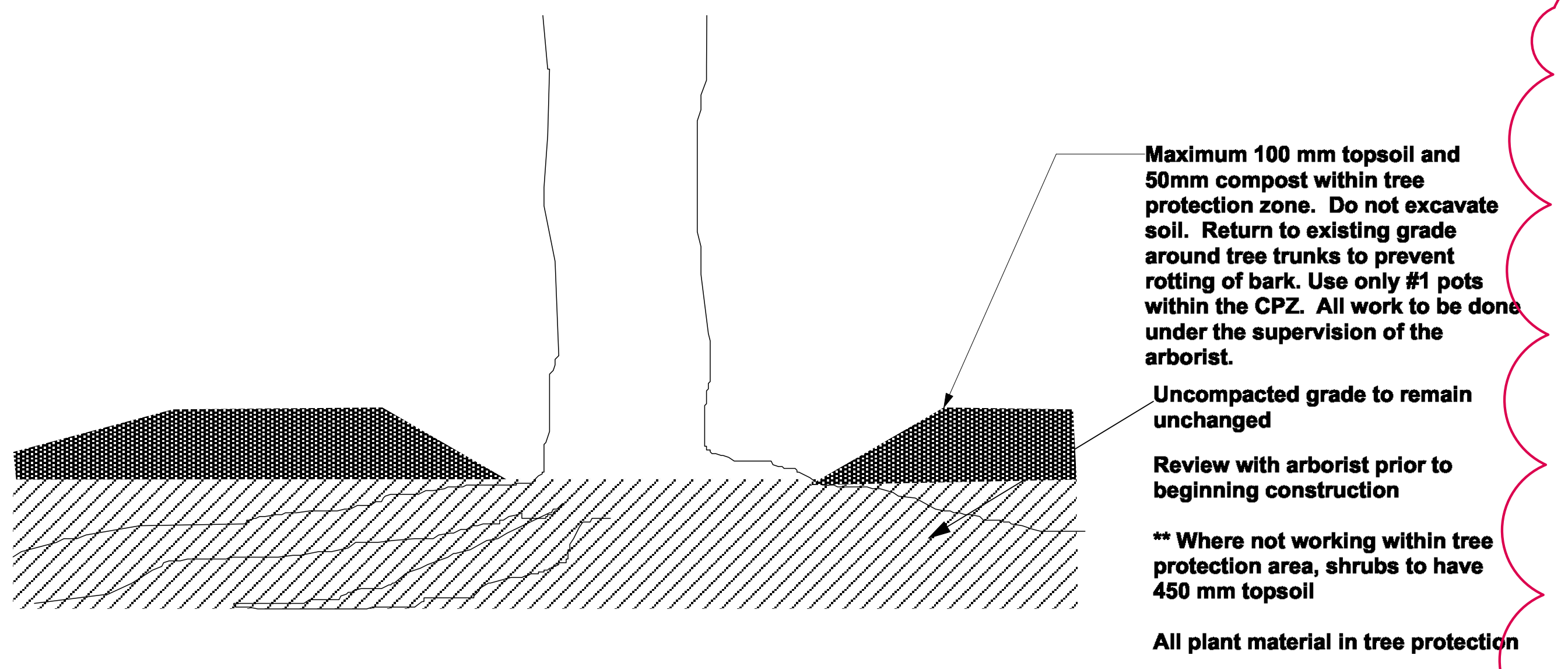
14 PIP Concrete Retaining Wall
Scale: 1/2" = 1'-0"



13 Concrete Unit Pavers on Grade
Scale: 1/2" = 1'-0"

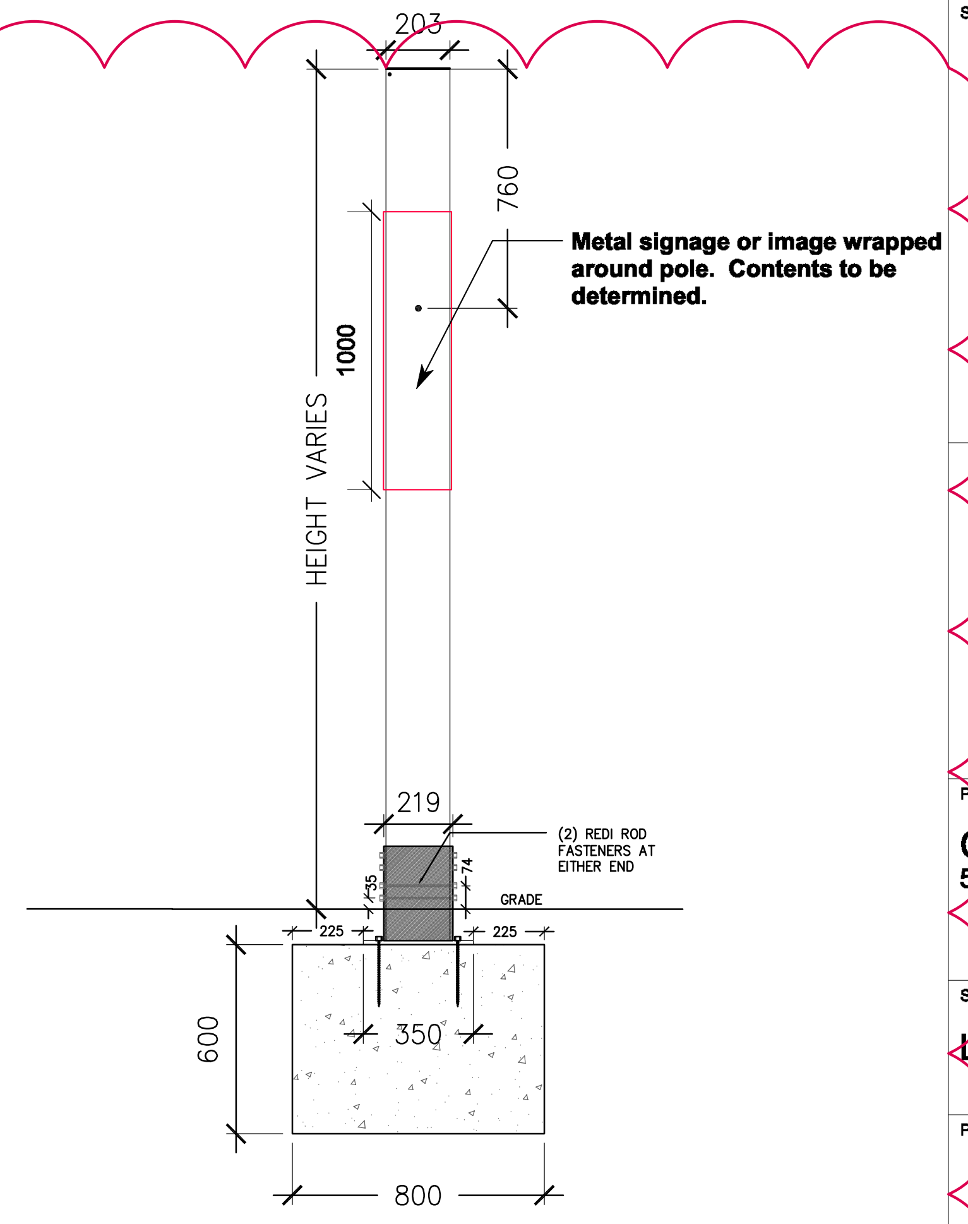


15 Composite Wood Platform Bench
Scale: 1/2" = 1'-0"



16 Soil installation in tree protection area
Scale: 1/2" = 1'-0"

4



17 Salvage pole for wayfinding or placemaking
Scale: 1/2" = 1'-0"

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Seal

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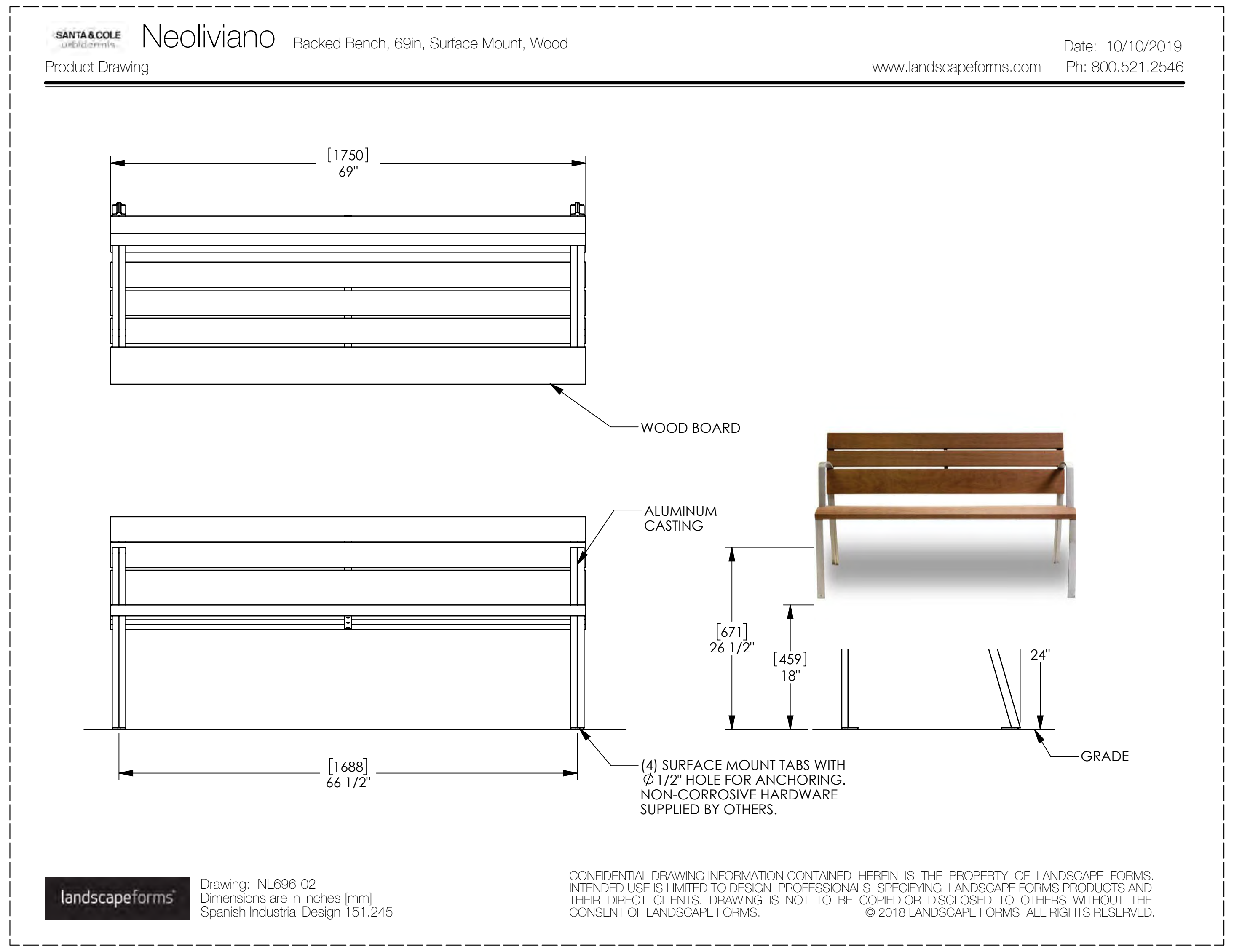
5920 Iona Dr, Vancouver, BC V6T 1J6

Sheet Title
Landscape Details

Project No.: 2022-12
Scale: 1/2" = 1'-0"
Project Manager: AS
Reviewed By: AS
Sheet No.: L6a



SANTA&COLE urbidermis Neoliviano Backed Bench, 69in, Surface Mount, Wood

Product Drawing

Date: 10/10/2019

www.landscapeforms.com Ph: 800.521.2546

landscapeforms

Drawing: NL696-02
Dimensions are in inches [mm]
Spanish Industrial Design 151.245

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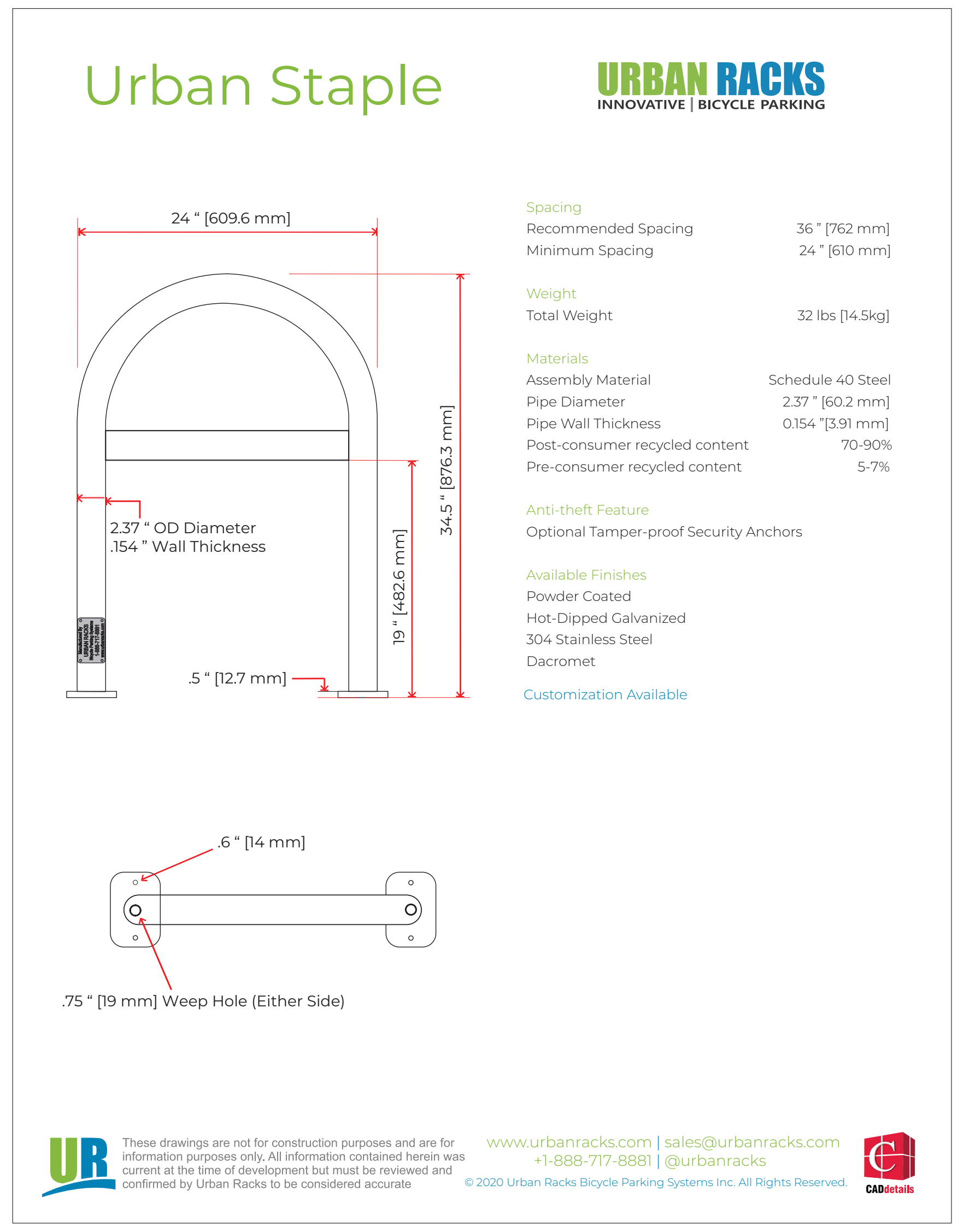
1 Landscape Forms Neoliviano Bench

Scale: NTS. Size: 69-115". Color and Material to UBC Furnishing Standard. Website: www;landscapeforms.com.



Urban Staple

URBAN RACKS
INNOVATIVE | BICYCLE PARKING

Spacing	
Recommended Spacing	36 " [762 mm]
Minimum Spacing	24 " [610 mm]
Weight	
Total Weight	32 lbs [14.5kg]
Materials	
Assembly Material	Schedule 40 Steel
Pipe Diameter	2.37 " [60.2 mm]
Pipe Wall Thickness	0.154 "[3.91 mm]
Post-consumer recycled content	70-90%
Pre-consumer recycled content	5-7%

Anti-theft Feature
Optional Tamper-proof Security Anchors

Available Finishes
Powder Coated
Hot-Dipped Galvanized
304 Stainless Steel
Dacromet

Customization Available

These drawings are not for construction purposes and are for information purposes only. All information contained herein was current at the time of development but must be reviewed and confirmed by Urban Racks to be considered accurate

www.urbanracks.com | sales@urbanracks.com
+1-888-717-8881 | @urbanracks
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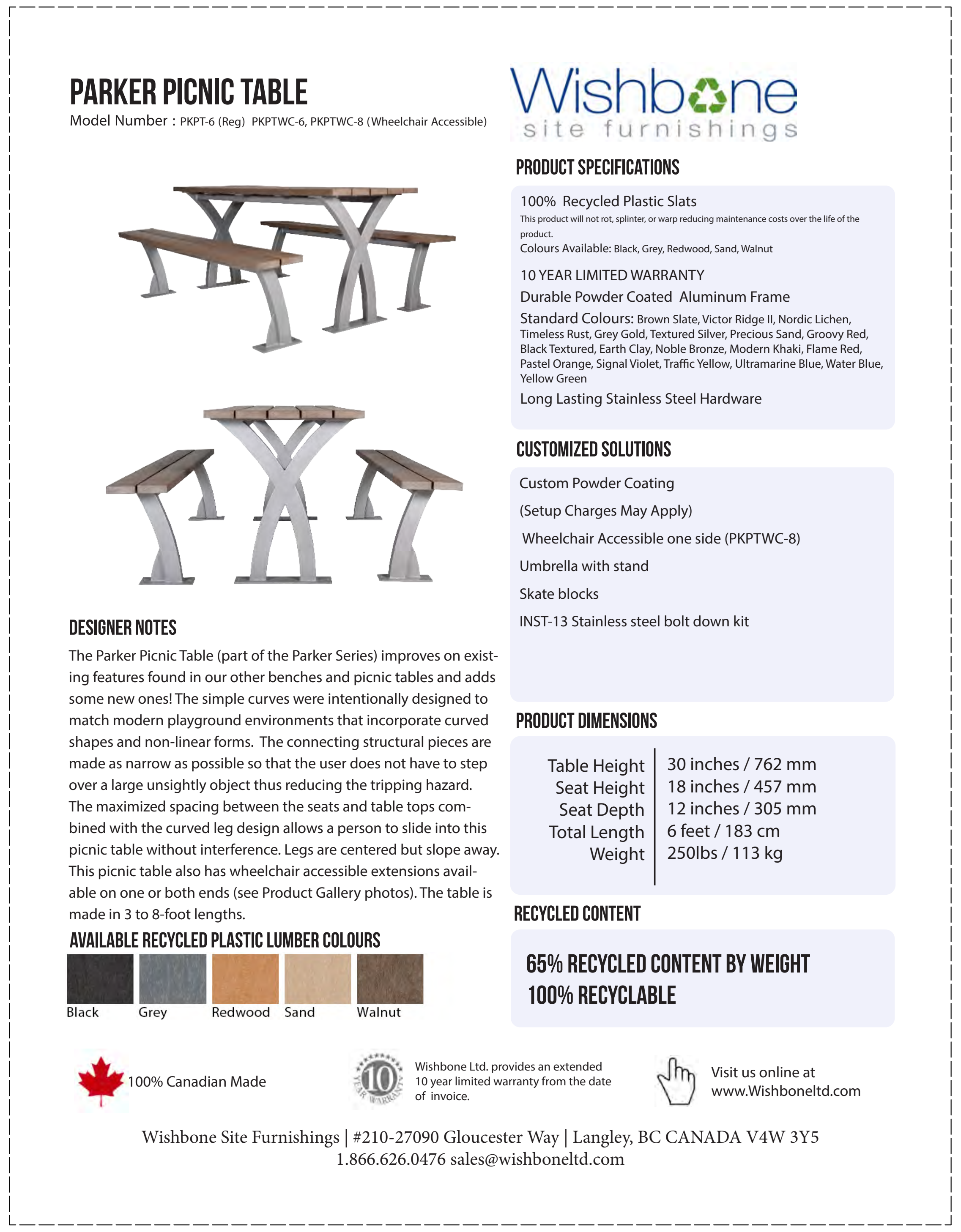
CADdetails

2 Urban Staple Bike Rack

Scale: NTS. Size: as noted. Finish: Hot Dipped Galvanized. Tamper-proof hardware.



PARKER PICNIC TABLE

Model Number : PKPT-6 (Reg) PKPTWC-6, PKPTWC-8 (Wheelchair Accessible)

Wishbone site furnishings

PRODUCT SPECIFICATIONS

100% Recycled Plastic Slats
This product will not rot, splinter, or warp reducing maintenance costs over the life of the product.
Colours Available: Black, Grey, Redwood, Sand, Walnut

10 YEAR LIMITED WARRANTY

Durable Powder Coated Aluminum Frame

Standard Colours: Brown Slate, Victor Ridge II, Nordic Lichen, Timeless Rust, Grey Gold, Textured Silver, Precious Sand, Groovy Red, Black Textured, Earth Clay, Noble Bronze, Modern Khaki, Flame Red, Pastel Orange, Signal Violet, Traffic Yellow, Ultramarine Blue, Water Blue, Yellow Green

Long Lasting Stainless Steel Hardware

CUSTOMIZED SOLUTIONS

Custom Powder Coating
(Setup Charges May Apply)
Wheelchair Accessible one side (PKPTWC-8)
Umbrella with stand
Skate blocks
INST-13 Stainless steel bolt down kit

DESIGNER NOTES

The Parker Picnic Table (part of the Parker Series) improves on existing features found in our other benches and picnic tables and adds some new ones! The simple curves were intentionally designed to match modern playground environments that incorporate curved shapes and non-linear forms. The connecting structural pieces are made as narrow as possible so that the user does not have to step over a large unsightly object thus reducing the tripping hazard. The maximized spacing between the seats and table tops combined with the curved leg design allows a person to slide into this picnic table without interference. Legs are centered but slope away. This picnic table also has wheelchair accessible extensions available on one or both ends (see Product Gallery photos). The table is made in 3 to 8-foot lengths.

PRODUCT DIMENSIONS

Table Height	30 inches / 762 mm
Seat Height	18 inches / 457 mm
Seat Depth	12 inches / 305 mm
Total Length	6 feet / 183 cm
Weight	250lbs / 113 kg

AVAILABLE RECYCLED PLASTIC LUMBER COLOURS

Black Grey Redwood Sand Walnut

RECYCLED CONTENT

65% RECYCLED CONTENT BY WEIGHT
100% RECYCLABLE

100% Canadian Made

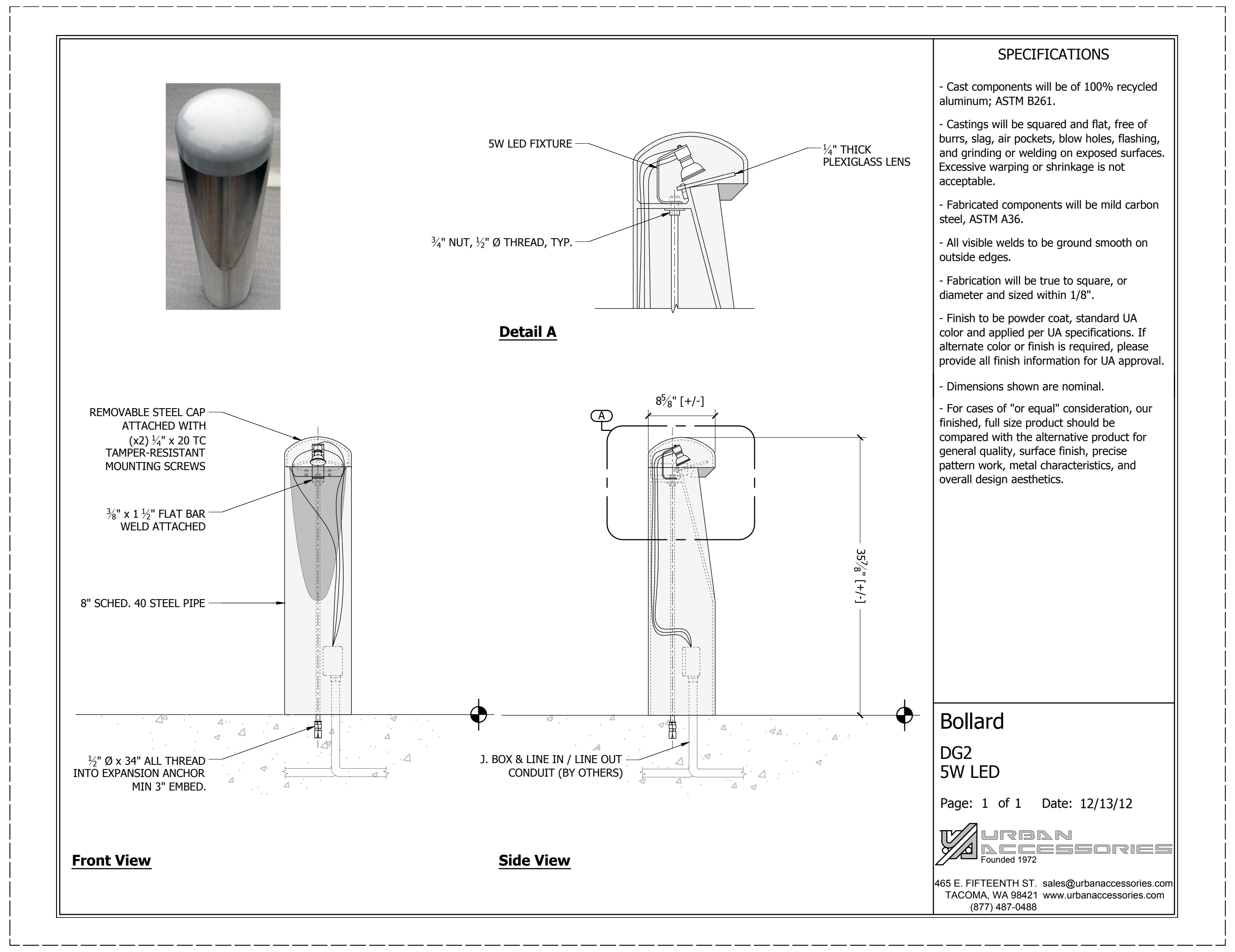
Wishbone Ltd. provides an extended 10 year limited warranty from the date of invoice.

Visit us online at www.Wishboneltd.com

Wishbone Site Furnishings | #210-27090 Gloucester Way | Langley, BC CANADA V4W 3Y5
1.866.626.0476 sales@wishboneltd.com

6 Wishbone Parker Accessible Picnic Table

Scale: NTS. Size: 6'. Colour: aluminum grey/walnut. Website: www.wishboneltd.com.



SPECIFICATIONS

- Cast components will be of 100% recycled aluminum; ASTM B261.
- Castings will be squared and flat, free of burrs, slag, air pockets, blow holes, flashing, and grinding or welding on exposed surfaces. Excessive warping or shrinkage is not acceptable.
- Fabricated components will be mild carbon steel, ASTM A36.
- All visible welds to be ground smooth on outside edges.
- Fabrication will be true to square, or diameter and sized within 1/8".
- Finish to be powder coat, standard UA color and applied per UA specifications. If alternate color or finish is required, please provide all finish information for UA approval.
- Dimensions shown are nominal.
- For cases of "or equal" consideration, our finished, full size product should be compared with the alternative product for general quality, surface finish, precise pattern work, metal characteristics, and overall design aesthetics.

Bollard

DG2
5W LED

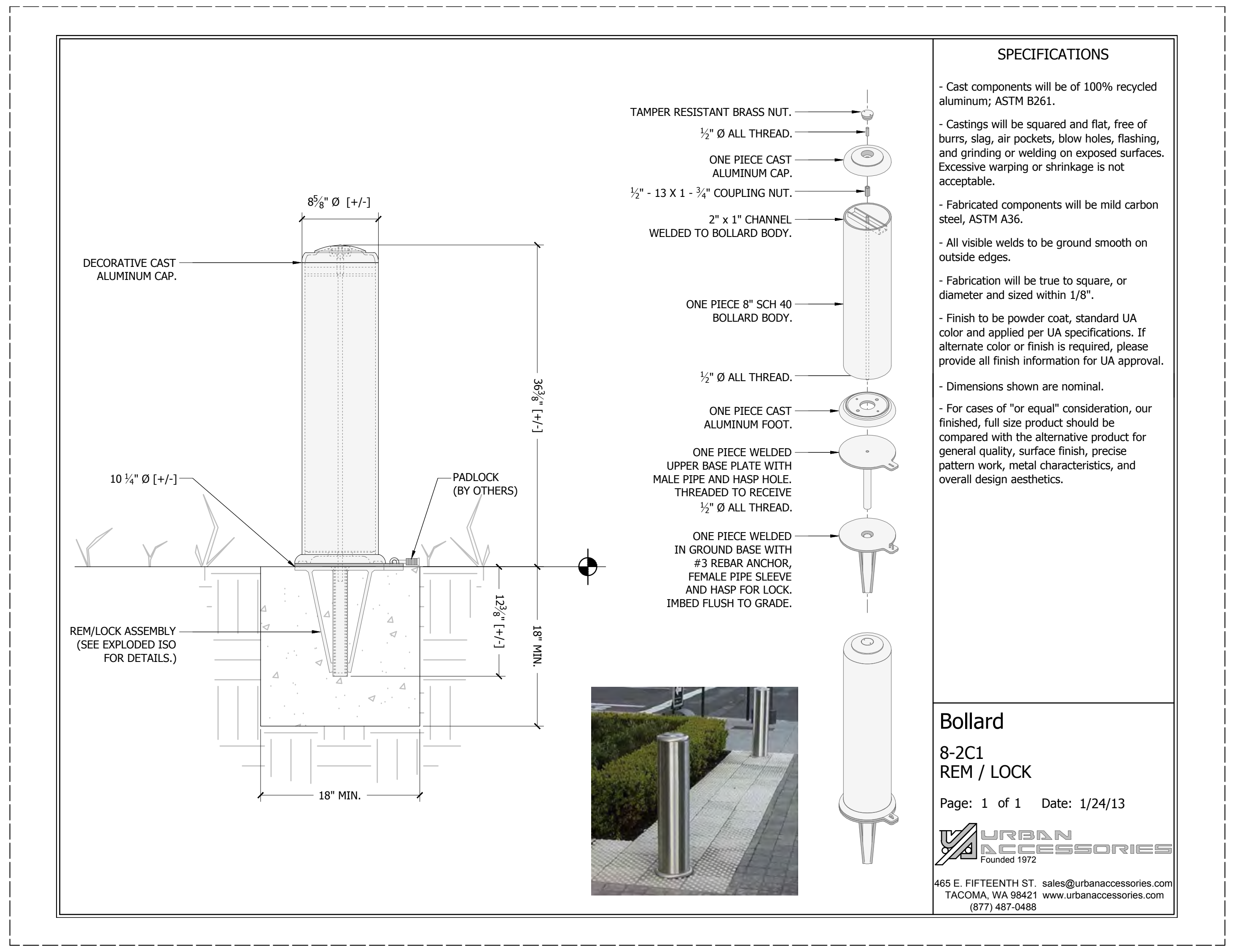
Page: 1 of 1 Date: 12/13/12

URBAN ACCESSORIES Founded 1972

465 E. FIFTEENTH ST. sales@urbanaccessories.com
TACOMA, WA 98421 www.urbanaccessories.com
(877) 487-0488

4 Urban Accessories Bollard Light DG-2

Scale: NTS. Size: 8"x36". Colour: Alum-8inum Brushed. Website: www.urbanaccessories.com.



SPECIFICATIONS

- Cast components will be of 100% recycled aluminum; ASTM B261.
- Castings will be squared and flat, free of burrs, slag, air pockets, blow holes, flashing, and grinding or welding on exposed surfaces. Excessive warping or shrinkage is not acceptable.
- Fabricated components will be mild carbon steel, ASTM A36.
- All visible welds to be ground smooth on outside edges.
- Fabrication will be true to square, or diameter and sized within 1/8".
- Finish to be powder coat, standard UA color and applied per UA specifications. If alternate color or finish is required, please provide all finish information for UA approval.
- Dimensions shown are nominal.
- For cases of "or equal" consideration, our finished, full size product should be compared with the alternative product for general quality, surface finish, precise pattern work, metal characteristics, and overall design aesthetics.

Bollard

8-2C1
REM / LOCK

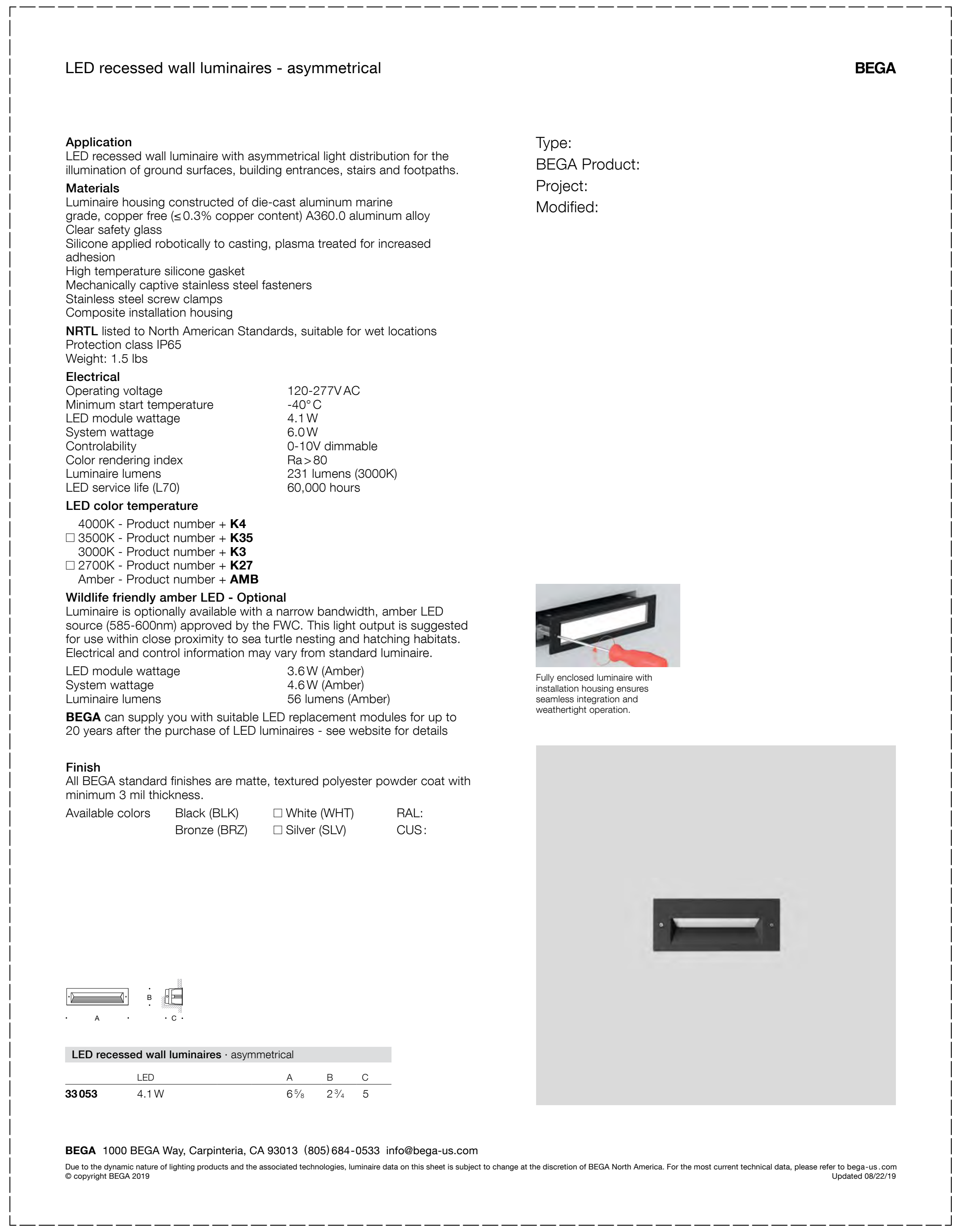
Page: 1 of 1 Date: 1/24/13

URBAN ACCESSORIES Founded 1972

465 E. FIFTEENTH ST. sales@urbanaccessories.com
TACOMA, WA 98421 www.urbanaccessories.com
(877) 487-0488

3 Urban Accessories Class Bollard #8-2C1

Scale: NTS. Size: 8"x36". Colour: Aluminum. Website: www.urbanaccessories.com.



LED recessed wall luminaires - asymmetrical

BEGA

Type:
BEGA Product:
Project:
Modified:

Application
LED recessed wall luminaire with asymmetrical light distribution for the illumination of ground surfaces, building entrances, stairs and footpaths.

Materials
Luminaire housing constructed of die-cast aluminum marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Clear safety glass
Silicone applied robotically to casting, plasma treated for increased adhesion
High temperature silicone gasket
Mechanically captive stainless steel fasteners
Stainless steel screw clamps
Composite installation housing

NRTL listed to North American Standards, suitable for wet locations
Protection class IP65
Weight: 1.5 lbs

Electrical

Operating voltage	120-277V AC
Minimum start temperature	-40° C
LED module wattage	4.1 W
System wattage	6.0 W
Controlability	0-10V dimmable
Color rendering index	Ra > 80
Luminaire lumens	231 lumens (3000K)
LED service life (L70)	60,000 hours

LED color temperature
4000K - Product number + **K4**
☐ 3500K - Product number + **K35**
3000K - Product number + **K3**
☐ 2700K - Product number + **K27**
Amber - Product number + **AMB**

Wildlife friendly amber LED - Optional
Luminaire is optionally available with a narrow bandwidth, amber LED source (585-600nm) approved by the FWC. This light output is suggested for use within close proximity to sea turtle nesting and hatching habitats. Electrical and control information may vary from standard luminaire.

LED module wattage	3.6 W (Amber)
System wattage	4.6 W (Amber)
Luminaire lumens	56 lumens (Amber)

BEGA can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

Fully enclosed luminaire with installation housing ensures seamless integration and weathertight operation.

Finish
All BEGA standard finishes are matte, textured polyester powder coat with minimum 3 mil thickness.

Available colors	Black (BLK)	☐ White (WHT)	RAL:
	Bronze (BRZ)	☐ Silver (SLV)	CUS:

LED recessed wall luminaires · asymmetrical

	LED	A	B	C
33 053	4.1 W	6⅝	2¾	5

BEGA 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com

Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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5 Recessed Wall Light BEGA 33.053 LED

Scale: NTS. Specifications TBC

Date	Issue Notes
2022-12-01	Re-Issue for DP Board
2022-10-03	L1 - In Progress for Arch Review/Coordination
2022-06-21	Issue for Development Permit
2022-06-08	Issued for Arch Coordination
2022-06-07	Issued for Arch Review/Coordination
2022-05-26	Issued for Arch and Arborist Coordination In progress
2022-05-17	In Progress for Coordination/Communication *L2a Only*

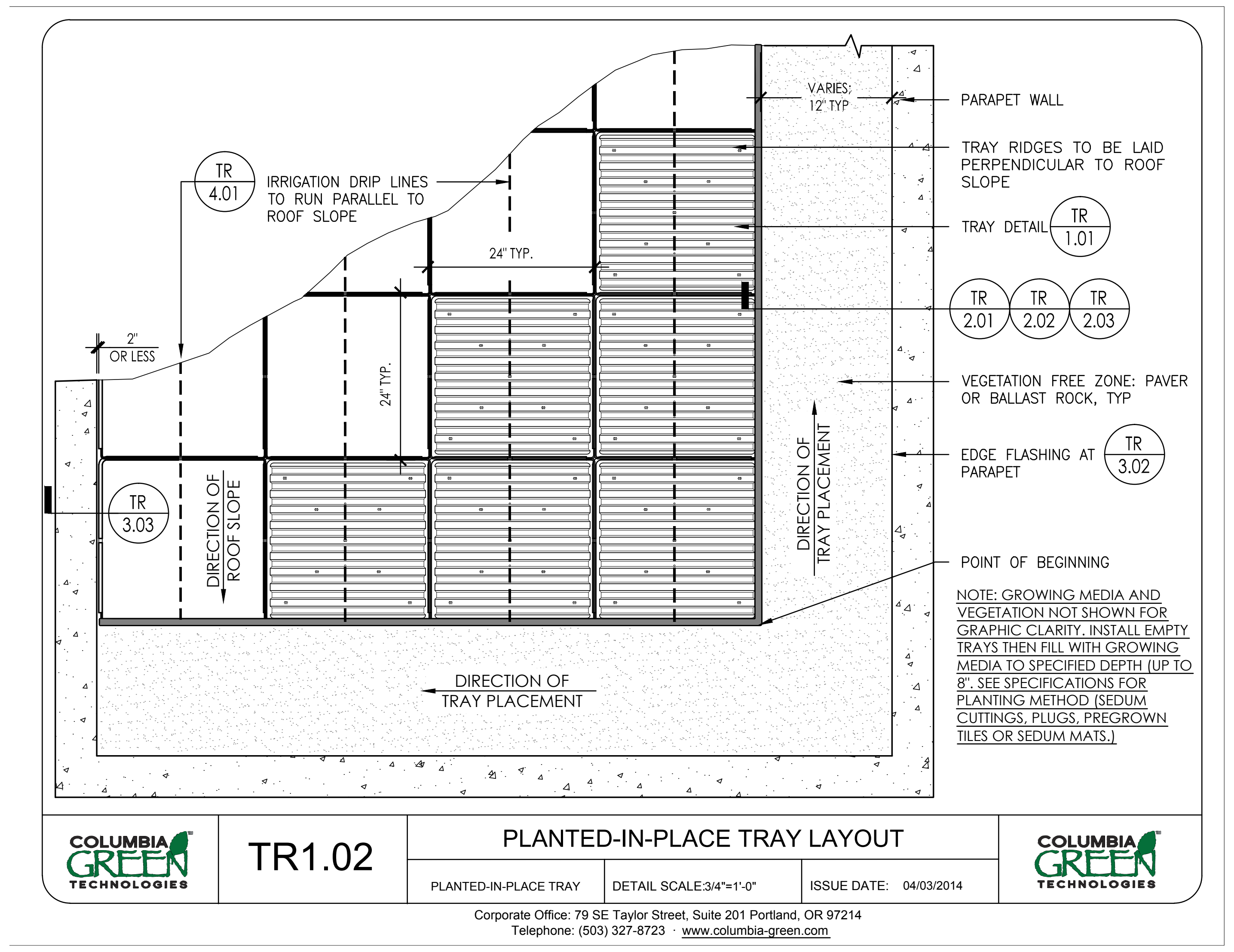
Seal

Prospect & Refuge
LANDSCAPE ARCHITECTS
#102-1661 W 2nd Ave Vancouver, BC V6J 1H3
604-669-1003 info@prospectrefuge.ca
Building on over 25 years of history as Jonathan Losee, Ltd.

Project Title and Address
Carey College at UBC
5920 Iona Dr, Vancouver, BC V6T 1J6

Sheet Title
Landscape Cut Sheets

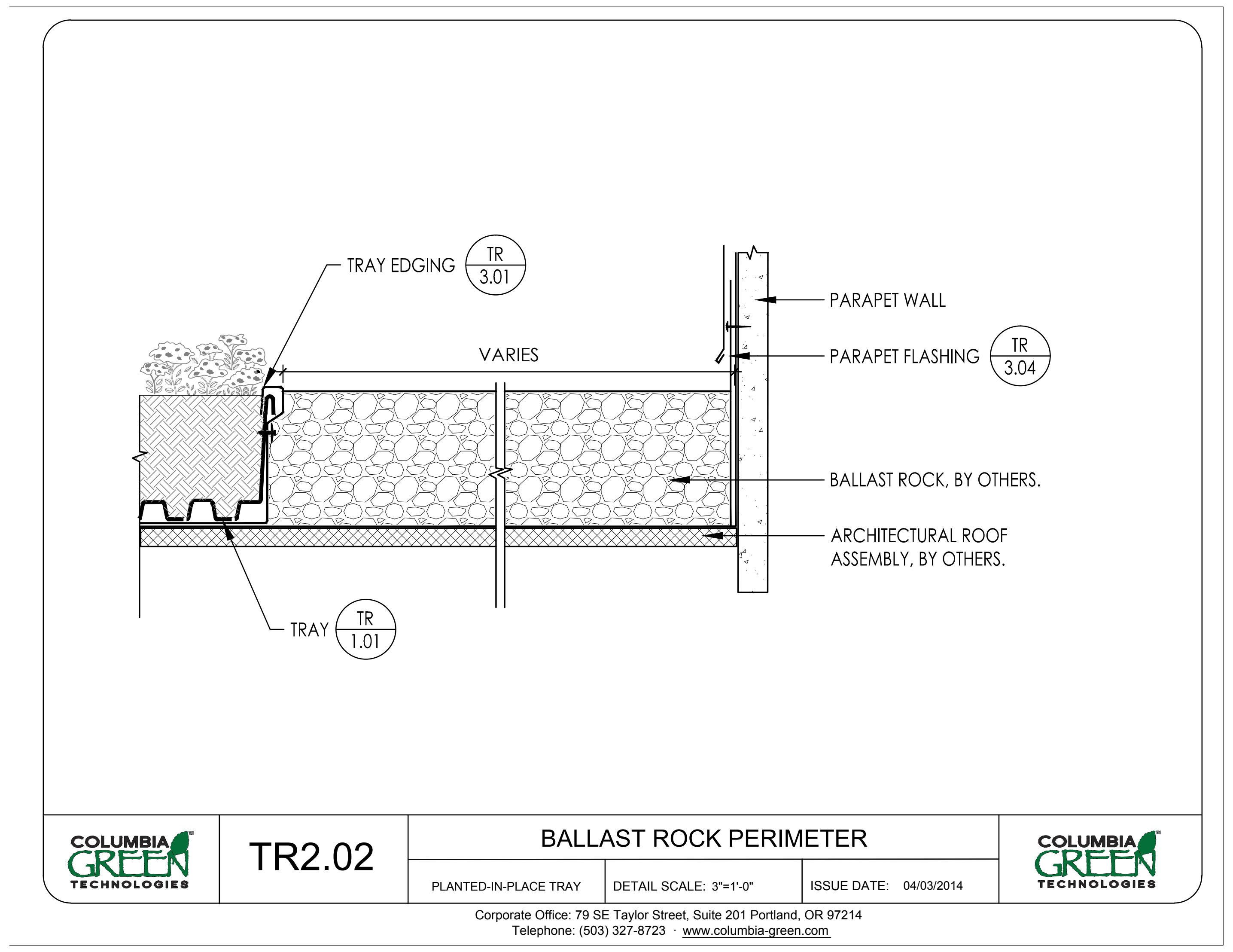
Project No. 2022-12	Scale Actual Size
Project Manager AS	Sheet No. L6c
Reviewed By AS	



NOTE: GROWING MEDIA AND VEGETATION NOT SHOWN FOR GRAPHIC CLARITY. INSTALL EMPTY TRAYS THEN FILL WITH GROWING MEDIA TO SPECIFIED DEPTH (UP TO 8". SEE SPECIFICATIONS FOR PLANTING METHOD (SEDUM CUTTINGS, PLUGS, PREGROWN TILES OR SEDUM MATS.)

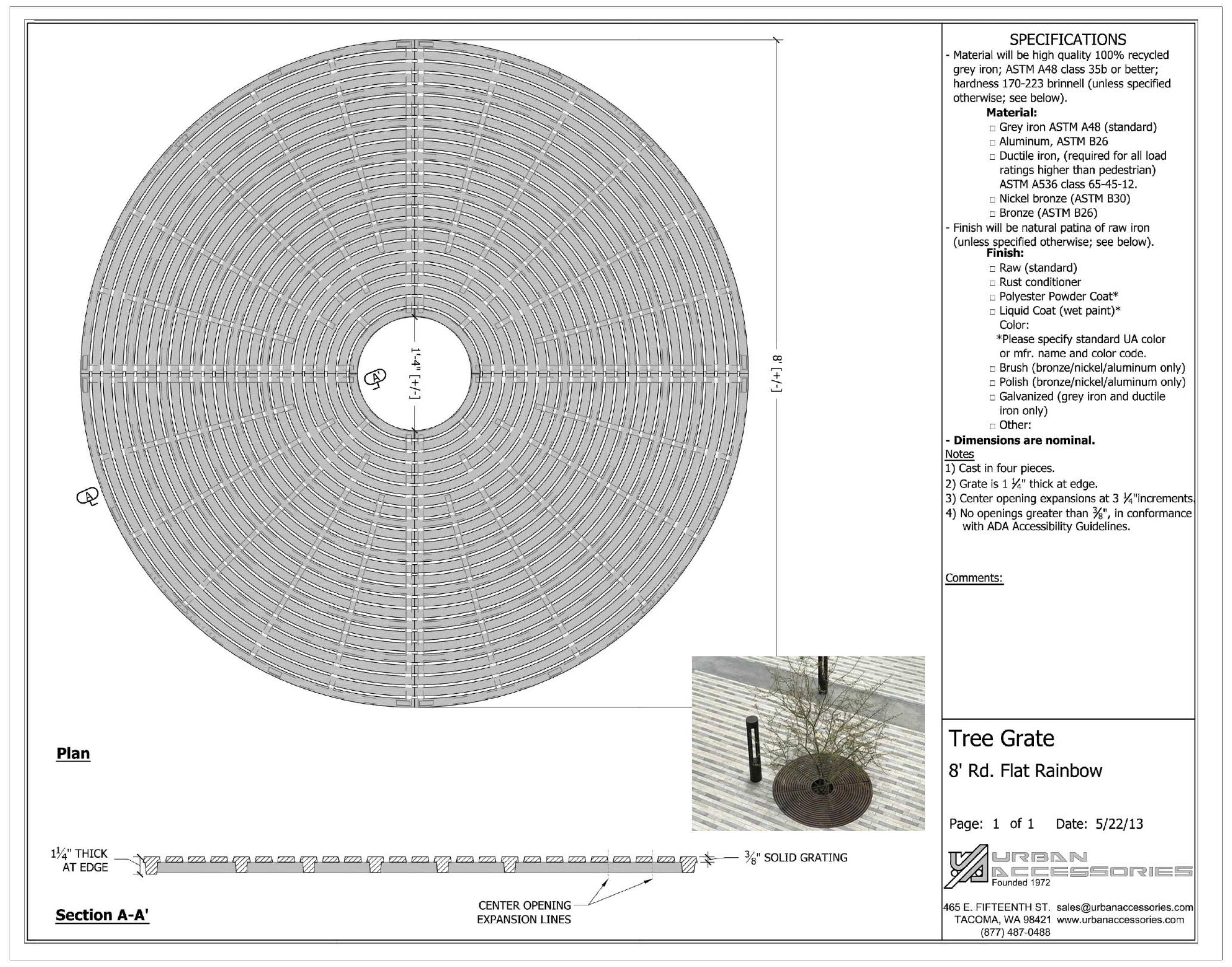
1 **Green Roof - Columbia Green Technologies**

Scale: NTS.



2 **Green Roof Details**

Scale: NTS.



SPECIFICATIONS

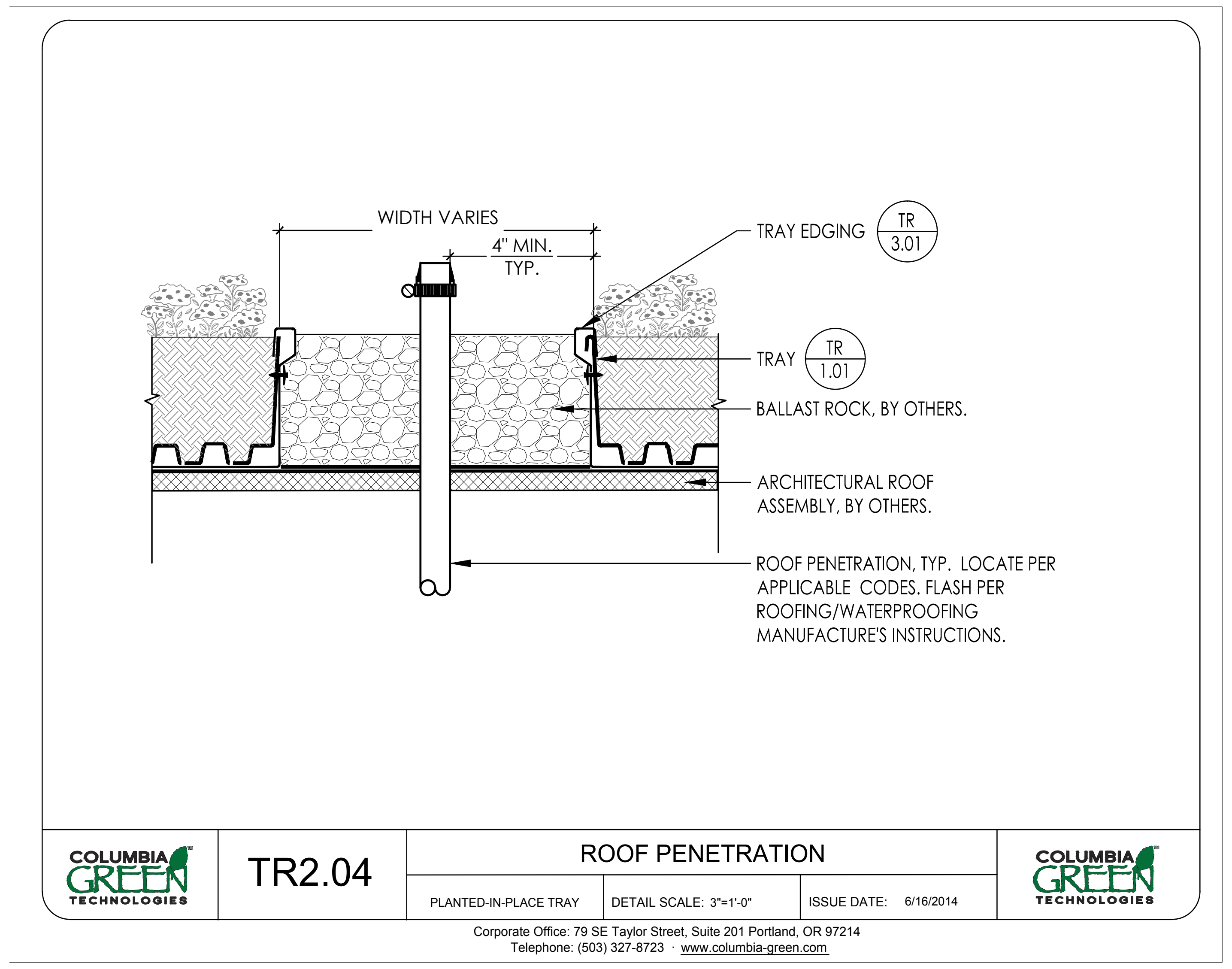
- Material will be high quality 100% recycled grey iron; ASTM A48 class 35b or better; hardness 170-223 brinnell (unless specified otherwise; see below).
  Material:
  - ☐ Grey iron ASTM A48 (standard)
  - ☐ Aluminum, ASTM B26
  - ☐ Ductile iron, (required for all load ratings higher than pedestrian) ASTM A536 class 65-45-12.
  - ☐ Nickel bronze (ASTM B30)
  - ☐ Bronze (ASTM B26)
- Finish will be natural patina of raw iron (unless specified otherwise; see below).
  Finish:
  - ☐ Raw (standard)
  - ☐ Rust conditioner
  - ☐ Polyester Powder Coat*
  - ☐ Liquid Coat (wet paint)*
    Color:
    *Please specify standard UA color or mfr. name and color code.
  - ☐ Brush (bronze/nickel/aluminum only)
  - ☐ Polish (bronze/nickel/aluminum only)
  - ☐ Galvanized (grey iron and ductile iron only)
  - ☐ Other:
- **Dimensions are nominal.**

Notes
1) Cast in four pieces.
2) Grate is 1 ¼" thick at edge.
3) Center opening expansions at 3 ¼"increments.
4) No openings greater than ⅜", in conformance with ADA Accessibility Guidelines.

Comments:

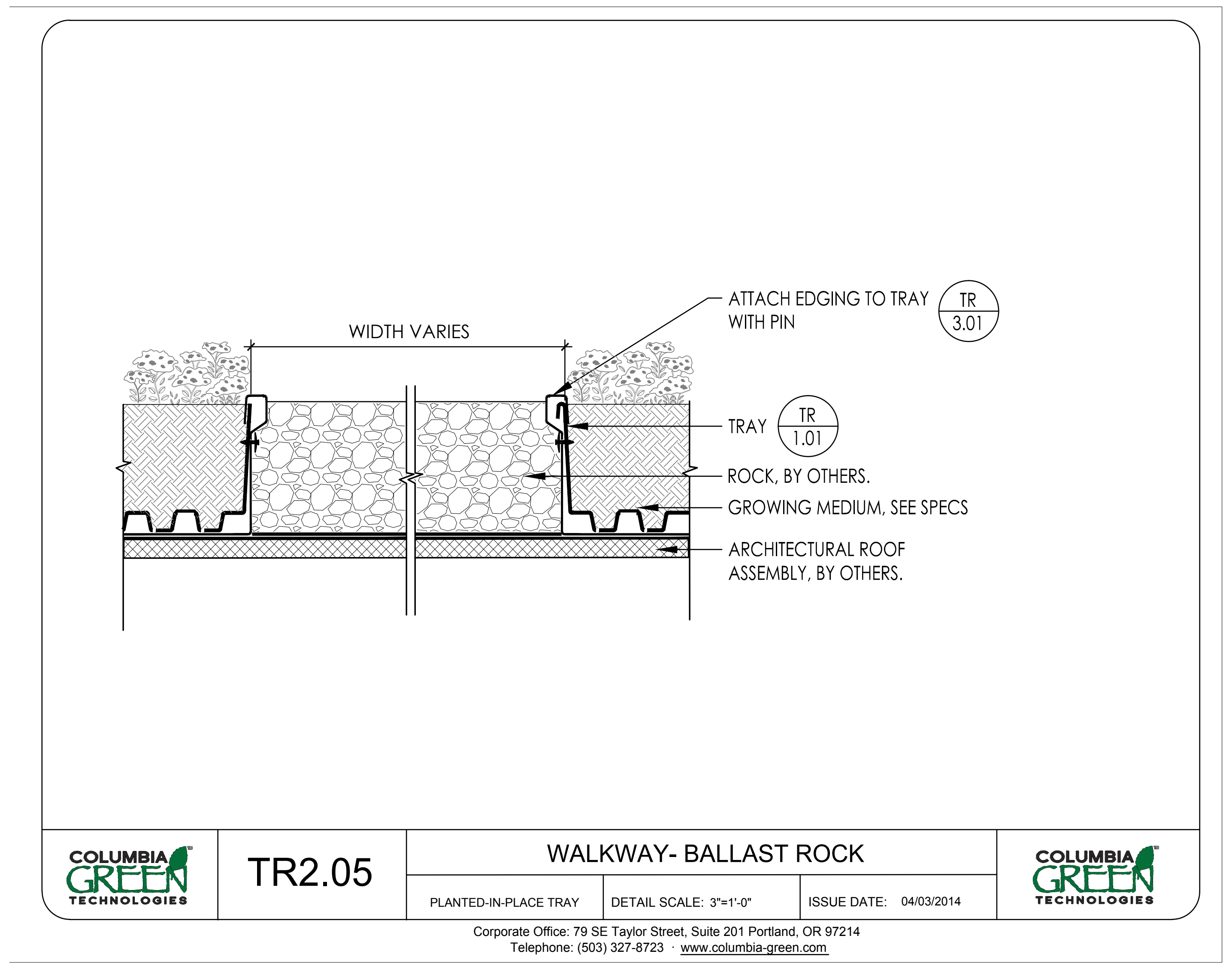
5 **Urban Accessories Jamison Flat Rainbow Tree Grate**

Scale: NTS. Size: 8' dia. Colour: Aluminum brushed. Website: www.urbanaccessories.com. Phone: 1-604-667-8141



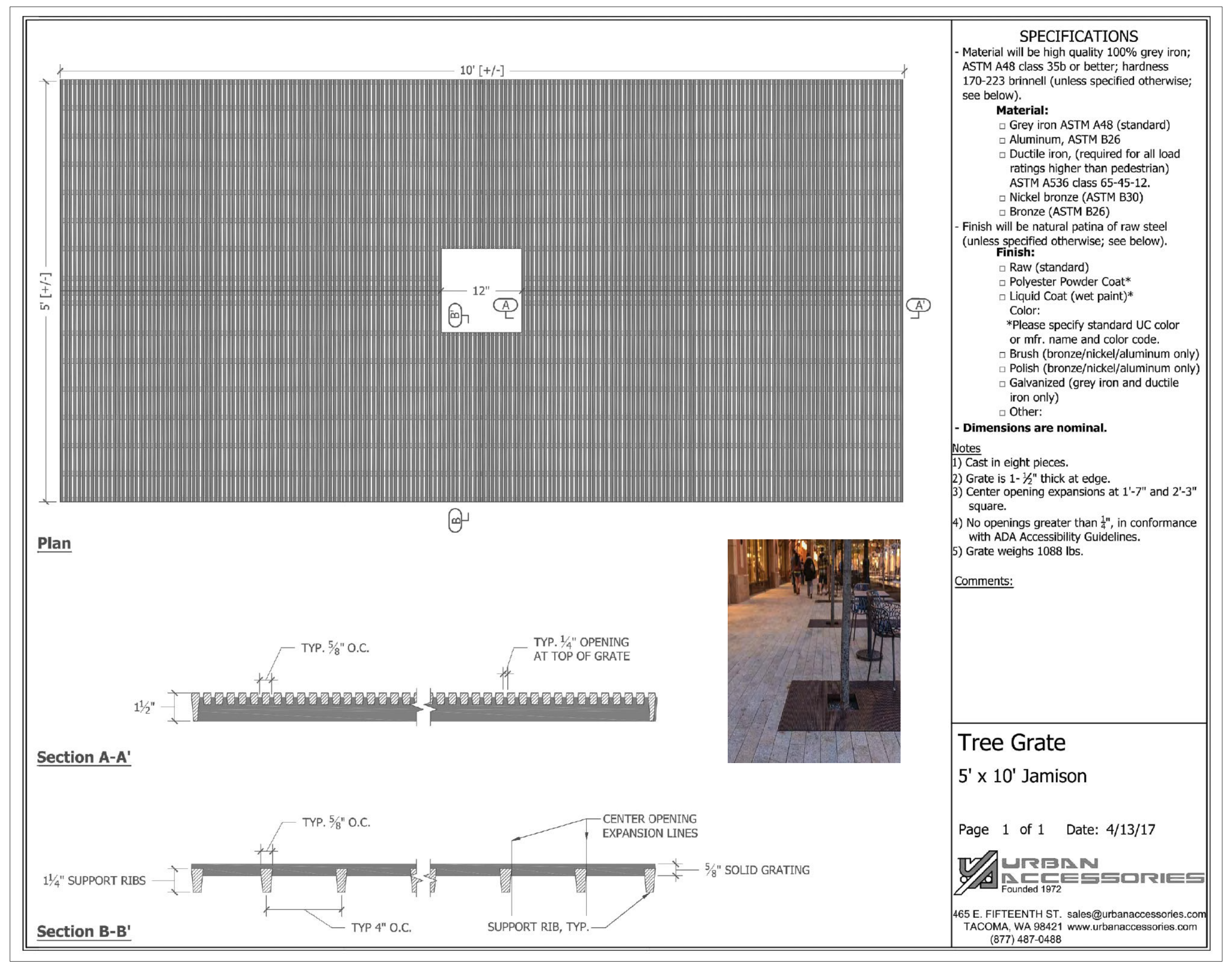
3 **Green Roof Details**

Scale: NTS.



4 **Green Roof Details**

Scale: NTS.



SPECIFICATIONS

- Material will be high quality 100% grey iron; ASTM A48 class 35b or better; hardness 170-223 brinnell (unless specified otherwise; see below).
  Material:
  - ☐ Grey iron ASTM A48 (standard)
  - ☐ Aluminum, ASTM B26
  - ☐ Ductile iron, (required for all load ratings higher than pedestrian) ASTM A536 class 65-45-12.
  - ☐ Nickel bronze (ASTM B30)
  - ☐ Bronze (ASTM B26)
- Finish will be natural patina of raw steel (unless specified otherwise; see below).
  Finish:
  - ☐ Raw (standard)
  - ☐ Polyester Powder Coat*
  - ☐ Liquid Coat (wet paint)*
    Color:
    *Please specify standard UC color or mfr. name and color code.
  - ☐ Brush (bronze/nickel/aluminum only)
  - ☐ Polish (bronze/nickel/aluminum only)
  - ☐ Galvanized (grey iron and ductile iron only)
  - ☐ Other:
- **Dimensions are nominal.**

Notes
1) Cast in eight pieces.
2) Grate is 1- ½" thick at edge.
3) Center opening expansions at 1'-7" and 2'-3" square.
4) No openings greater than $\frac{1}{4}$", in conformance with ADA Accessibility Guidelines.
5) Grate weighs 1088 lbs.

Comments:

6 **Urban Accessories Jamison Rectangle Tree Grate**

Scale: NTS. Size: 5'x10' Rectangle. Colour: Aluminum brushed. Website: www.urbanaccessories.com. Phone: 1-604-667-8141

Date	Issue Notes
2022-12-01	Re-Issue for DP Board
2022-10-03	L1 - In Progress for Arch Review/Coordination
2022-06-21	Issue for Development Permit
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Sheet Title
Landscape Cut Sheets

Project No.: 2022-12
Scale: Actual Size
Project Manager: AS
Reviewed By: AS
Sheet No.: L6e