Arbutus and 10th Avenue - Landscape

2120-2130 W 10th Ave, Vancouver, BC V6K 4V5

Issued for Development Permit - September 2nd, 2026

L0.00	COVER PAGE
L0.01	GENERAL NOTES
L0.02	TREE MANAGEMENT PLAN
L0.03	LANDSCAPE DESIGN PRINCIPLES
L1.00	OVERALL SITE PLAN
L1.01	LANDSCAPE MATERIALS, GRADING, AND LAYOUT PLAN LEVEL 01
L1.02	LANDSCAPE MATERIALS, GRADING, AND LAYOUT PLAN LEVEL 02
L1.03	LANDSCAPE MATERIALS, GRADING, AND LAYOUT PLAN AMENITY LEVEL
L4.01	PLANTING PLAN LEVEL 01
L4.02	PLANTING PLAN LEVEL 02
L4.03	PLANTING PLAN AMENITY LEVEL
L7.01	LANDSCAPE SECTIONS
L7.02	LANDSCAPE SECTIONS
L8.01	PAVING DETAILS
L8.02	PAVING DETAILS
L8.03	STAIRS AND WALL DETAILS
L8.04	SITE FURNISHINGS
L8.05	PLANTING DETAILS

HAPA COLLABORATIVE

Landscape Architecture
Urban Design

403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6

604.909.4150
hapacollab.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McCREE
728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

COVER PAGE

Date	08/05/26
Project No.	2408
Scale	
Drawn|Checked	YJ/FT|CM

Drawing Number

L0.00

GENERAL NOTES

1. EXISTING SURVEY INFORMATION IS BASED ON THE FOLLOWING DRAWINGS:
   DWG: TOPOGRAPHIC PLAN OF: - LOT 8 AND 9, - LOT 10 EXCEPT: PART IN PLAN LMP38839, ALL OF BLOOK 364, D.L. 526, Gp. 1, N.W.D. PLAN 4905
   FROM: HAEMEE LEE
   DATE: 18 AUGUST 2026
2. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL EXAMINE EXISTING SITE SURFACE CONDITIONS AND TOPOGRAPHY. ADVISE LANDSCAPE ARCHITECT OF ANY UNSATISFACTORY SITE SURFACE CONDITIONS AND TOPOGRAPHY
3. NO ALLOWANCES WILL BE MADE LATER FOR ANY EXPENSES INCURRED THROUGH FAILURE TO NOTE UNSATISFACTORY SITE SURFACE CONDITIONS AND TOPOGRAPHY
4. DO NOT SCALE DRAWINGS. USE DIMENSIONAL INFO AS NOTED IN THE DRAWINGS. CONTACT THE LANDSCAPE ARCHITECT IF THERE IS ANY AMBIGUITY, LACK OF INFORMATION, OR INCONSISTENCY IN THE DRAWINGS
5. THE CONTRACTOR SHALL CLEAN AND REINSTATE ANY DAMAGE OR CHANGE DONE, OUTSIDE THE LIMIT OF WORK, TO PRIOR TO CONSTRUCTION CONDITIONS OR BETTER. TO BE APPROVED BY LANDSCAPE ARCHITECT
6. THE CONTRACTOR SHALL VERIFY DIMENSIONS SHOWN ON DRAWINGS AND NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR INCONSISTENCIES PRIOR TO CONSTRUCTION
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE LIMIT OF WORK LINE
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL UNDERGROUND UTILITIES AND TAKING THE NECESSARY
9. PRECAUTIONS PRIOR TO AND DURING CONSTRUCTION. REFER TO CIVIL
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF EXCESS FILL OFF-SITE
11. ALL OTHER CONSULTANT DESIGN OR INFORMATION SHOWN FOR REFERENCE ONLY
12. REFER TO ARCHITECTURE AND CIVIL DRAWINGS FOR DISCIPLINE SPECIFIC REMOVALS

TREE PROTECTION PLAN NOTES
1. TREE PROTECTION FENCE TO MEET MUNICIPAL STANDARDS
2. REFER TO TREE PROTECTION DETAIL TO DETERMINE LOCATION OF TREE PROTECTION FENCING
3. REFER TO PROJECT'S ARBORIST INVENTORY/ASSESSMENT REPORT FOR TREE SPECIES AND GENERAL CONDITIONS

LANDSCAPE PLAN NOTES
1. REFER TO DETAILS AND SECTIONS FOR ALL LANDSCAPE IMPROVEMENTS.
2. REFER TO CITY STANDARDS FOR WORK ON TYPICAL SIDEWALKS.
3. TRENCHING FOR UTILITY CONNECTIONS TO BE COORDINATED WITH CITY OF VANCOUVER ENGINEERING DEPARTMENT TO ENSURE SAFE ROOT ZONES OF RETAINED TREES. METHODS OF TREE PROTECTION FOR STREET TREES TO BE APPROVED BY PARK BOARD.
4. ALL DIMENSIONS ARE NOMINAL; DIMENSIONS BASED ON ARCHITECTURAL GRID;
5. REFER TO GRADING PLAN FOR HORIZONTAL CONTROL OF PAVING/LANDSCAPE AREAS.
6. ALL SITE FURNISHING LOCATIONS TO BE CONFIRMED WITH LANDSCAPE ARCHITECT ON SITE PRIOR TO INSTALLATION.
7. CONFIRM SAWCUT PATTERN ONSITE WITH LANDSCAPE ARCHITECT.
8. REFER TO CIVIL DRAWINGS FOR ROADWAY AND CURB ALIGNMENTS AND DETAILS.
9. ALL ELEVATIONS ARE NOMINAL AND ARE BASED ON SURVEY AND ELEVATIONS PROVIDED BY ARCH. AND CIVIL. CONTRACTOR TO VERIFY ALL MEASUREMENTS;
10. ALL PROPOSED ELEVATIONS ARE TO TOP OF FINISHED GRADE UNLESS NOTED OTHERWISE;
11. REFER TO SOIL DEPTH DETAILS FOR SOIL DEPTH AND VOIDING.
12. ALL UTILITY COVERS INSIDE LANDSCAPE AREA TO BE ADJUSTED TO FINAL GRADE.
13. CONDUCT GRADING START UP MEETING WITH LANDSCAPE ARCHITECT IN FIELD TO CONFIRM GRADING DESIGN.
14. REFER TO MECHANICAL/CIVIL FOR DRAINS

PLANTING PLAN NOTES
1. ALL PLANT MATERIAL TO MEET CSLA/CNLA STANDARD. REFER TO THE CANADIAN LANDSCAPE STANDARD, LATEST EDITION
2. ALL STREET TREES TO MEET MUNICIPAL STREET TREE GUIDELINES, LATEST VERSION
3. AREA OF SEARCH FOR PLANT MATERIAL IS PACIFIC NORTHWEST. INCLUDING: BRITISH COLUMBIA, WASHINGTON AND OREGON. FURTHER SEARCH TO BE TAKEN IF NECESSARY
4. ALL TREE PLANTING LOCATIONS AND PLANTING LAYOUT TO BE CONFIRMED BY LANDSCAPE ARCHITECT ON SITE
5. ANY SUBSTITUTION OF PLANT MATERIAL REQUIRES SUBMITTAL. REVIEW AND APPROVAL BY CLIENT/LANDSCAPE ARCHITECT
6. ANY PRE-PURCHASE OF PLANT MATERIAL REQUIRED CONFIRMATION BY LANDSCAPE ARCHITECT
7. ALL TREE SOIL VOLUMES TO MEET MINIMUM REQUIRED CITY OF VANCOUVER STANDARDS
8. ALL NEW TREES MUST BE OF GOOD STANDARD, MINIMUM 70mm CALIPER, AND INSTALLED WITH APPROVED ROOT BARRIERS, TREE GUARDS AND APPROPRIATE SOIL. ALL ROOT BARRIERS SHALL BE 2400mm (8') LONG AND 450mm (18") DEEP
9. FOR STREET TREES: FINAL SPACING, QUANTITY, AND TREE SPECIES TO THE SATISFACTION OF THE GENERAL MANAGER OF ENGINEERING SERVICES. NEW TREES MUST BE OF GOOD STANDARD, MINIMUM 6CM CALIPER WITH SINGLE LEADER, AND INSTALLED WITH APPROVED ROOT BARRIERS, TREE GUARDS AND APPROPRIATE SOIL. TREES IN GOOD HEALTH AND VIGOUR, FREE OF PEST, DISEASE, INJURY AND OTHER DEFECTS. PLANTING UPRIGHT. TREES TO BE FREE OF GIRDLING ROOTS, AND STEM TO BE FREE OF TWINE OR BINDING WITH NO VISIBLE WIRE BASKETS. PLANTING DEPTH OF ROOTBALL MUST BE BELOW SIDEWALK GRADE. LANDSCAPE CONTRACTOR MUST NOTIFY PARKS BOARD STAFF AT TIME OF PLANTING FOR INSPECTION. PLEASE CONTACT pbdevelopment.trees@vancouver.ca OR CALL 604-257-8587 TO NOTIFY AN INSPECTOR.
10. PROVIDE DESIGN BUILD IRRIGATION FOR ALL PLANTER AREAS ONSITE IN COMPLIANCE WITH PROJECT SPECIFICATION. STUBOUT LOCATIONS AS PER MECHANICAL.
11. PROVIDE HIGH EFFICIENCY IRRIGATION CONTROLLED BY MOISTURE SENSOR, TO RUN WHEN PERMAVOID SYSTEM IS DRY AND NOT PROVIDING PASSIVE IRRIGATION

SECTION AND ELEVATION NOTE
1. SECTIONS/ELEVATIONS ARE SCHEMATIC AND FOR REFERENCE ONLY; REFER TO PLANS AND DETAILS

DETAIL NOTES

CONCRETE, TYP.
1. REFER TO STRUCTURAL FOR CONCRETE FORMWORK AND REINFORCING
2. REINFORCE ALL CONCRETE ELEMENTS AS REQUIRED PER STRUCTURAL ENGINEER

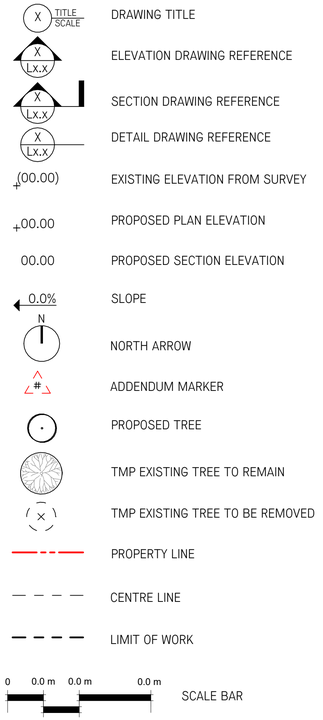
METAL, TYP.
1. PROVIDE ENGINEERED SHOP DRAWINGS FOR CUSTOM METAL DETAILS INCLUDING HANDRAILS, FENCES, GUARDRAILS, AND ALL REQUIRED CONNECTIONS. SIGNED AND SEALED BY STRUCTURAL ENGINEER REGISTERED IN PROVINCIAL REGULATORY BODY
2. PROVIDE ENGINEERED SHOP DRAWINGS FOR METAL CLADDING WALLS, AND ALL REQUIRED CONNECTIONS. SIGNED AND SEALED BY STRUCTURAL ENGINEER REGISTERED IN PROVINCIAL REGULATORY BODY
3. ALL STEEL HOT-DIPPED GALVANIZED HARDWARE, INCLUDING ROD CLIPS, THREADED RODS, BOLTS AND NUTS

WOOD, TYP.
1. WOOD TIMBERS: TIGHT-KNOT RED/YELLOW CEDAR OR EQUIVALENT PLANED FOR SMOOTH FINISH, SLIGHTLY EASED EDGES FINISH AS PER SPECIFICATIONS.
2. PROVIDE CLOSED WOOD PLUGS AT ALL ROD ASSEMBLY CONNECTIONS

ABBREVIATIONS

AD	AREA DRAIN
B	BOLLARD
BC	BOTTOM OF CURB ELEVATION
BCH	BOTTOM OF CHANNEL
BG	BUILDING GRADE
BS	BOTTOM OF STEP/ STAIR ELEVATION
BW	BOTTOM OF WALL ELEVATION
CB	CATCH BASIN
CIP	CAST IN PLACE
CIV	CIVIL
CJ	CONTROL JOINT
CL	CENTRE LINE
CONC	CONCRETE
DEG (°)	DEGREE
DET	DETAIL
DIA (Ø)	DIAMETER
DIM	DIMENSION
DWG	DRAWING
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
ENG	ENGINEER/ ENGINEERING
EQ	EQUAL
EX	EXISTING
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FIN	FINISH
GAV	GALVANIZED
HP	HIGH POINT
HPS	HIGH POINT SWALE
HT	HEIGHT
INT	INTERPOLATED
JT	JOINT
LPS	LOW POINT SWALE
LOW	LIMIT OF WORK
MAX	MAXIMUM
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OAE	OR APPROVED EQUAL
OC	ON CENTRE
OD	OUTSIDE DIAMETER
PA	PLANTING AREA
PD	PLANTER DRAIN
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
R	RISER
RAD	RADIUS
REQ	REQUIRED
ROW	RIGHT OF WAY
SB	SETBACK
SIM	SIMILAR
SPEC	SPECIFICATIONS
SQ	SQUARES
SS	STAINLESS STEEL
STA PT	STATION POINT
STD	STANDARD
TC	TOP OF CURB ELEVATION
TEMP	TEMPORARY
THK	THICK
TMP	TREE MANAGEMENT PLAN
TOS	TOP OF SLAB
TS	TOP OF STEP/ STAIR ELEVATION
TW	TOP OF WALL ELEVATION
TYP	TYPICAL
W/	WITH
W/O	WITHOUT
WP	WATERPROOFING

LANDSCAPE ARCHITECTURE SYMBOLS



HAPA COLLABORATIVE
Landscape Architecture
Urban Design
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
604.909.4150
hapacobo.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McCREE
728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

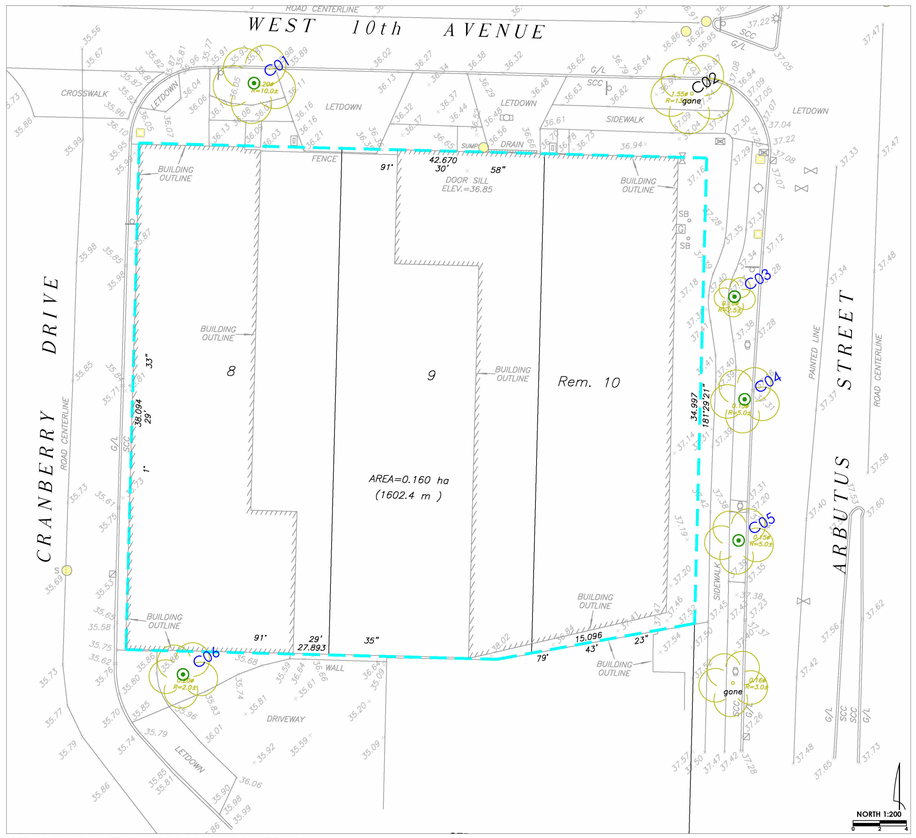
Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

GENERAL NOTES

Date	08/05/26
Project No.	2408
Scale	NTS
Drawn|Checked	YZ/FT| CM

Drawing Number
L0.01



TREE LOCATION DETAIL - TOPOGRAPHIC BASE PLAN
EXISTING SITE CONDITIONS - FOR INFORMATION ONLY

LEGEND-TREE ASSESSMENT:

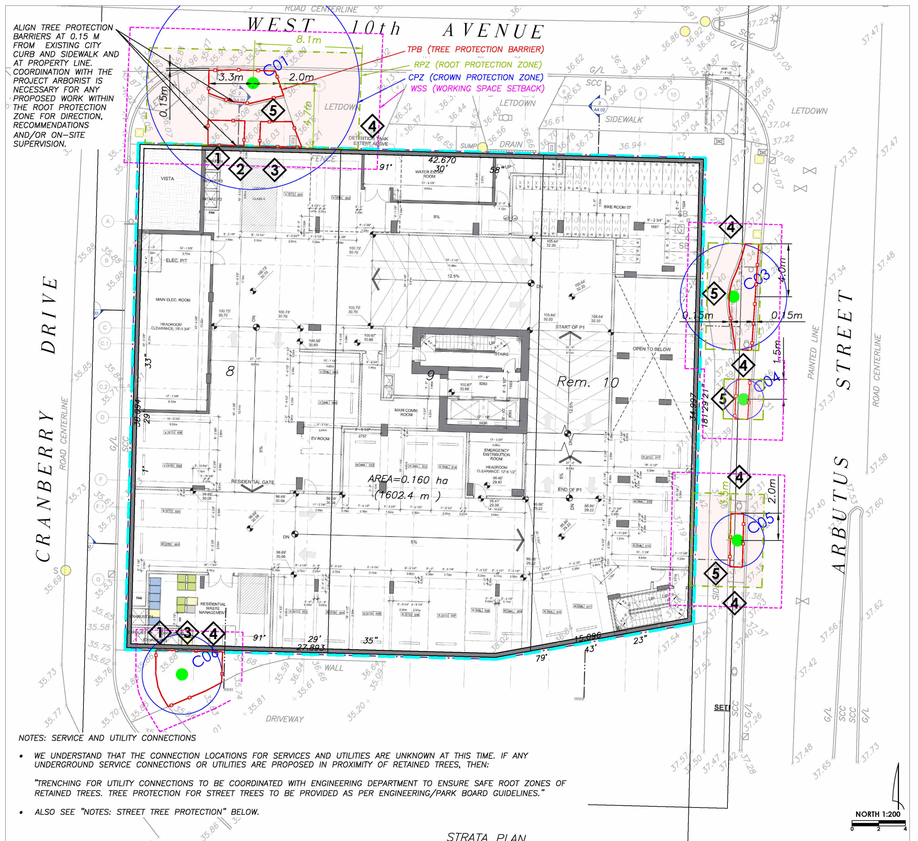
Tree condition ratings consider the current health and structural condition observed by the Project Arborist (PA) at the time of inspection and using our standardized visual assessment methods. See arborist report appendix B for details.

Tree Protection Zone (TPZ) planning requires consultation with the PA as the project design advances. Any proposed reductions of or encroachments into a TPZ setback requires approval of the PA and may be conditional to arboricultural treatments or low impact construction measures to mitigate impacts.

- denotes **STUDY AREA** or **PROJECT SITE LIMITS**
- XXX denotes **ARBORIST TAG NUMBER** or **ID REFERENCE**
- approx denotes an **UN-SURVEYED TREE** shown at an **APPROXIMATE LOCATION**
  - If an unsurveyed tree is contemplated for retention and/or is located close to a neighbouring property line the tree must be accurately surveyed before its treatment is finalized.
- shared denotes a **SHARED OWNERSHIP TREE**
  - Ownership of a tree is determined from survey information and site observations by the PA. When a portion of the trunk(s) at ground height crosses over a property line, the tree is considered to be jointly owned by the respective property owners.
- (G) denotes a tree in **GOOD CONDITION**
  - Fully suitable for preservation.
  - Subject to the design meeting applicable protection specifications.
- (F) denotes a tree in **FAIR CONDITION**
  - A candidate for preservation.
  - Subject to the design meeting applicable protection specifications and feasibility of remedial treatments to mitigate defects (structural or health related).
- (P) denotes a tree in **POOR CONDITION**
  - Not recommended for preservation
  - Exceptions to retain might be feasible subject to certain project arborist conditions or retention in coordination with adjacent trees, etc.
- denotes a tree located **OFF-SITE**
  - A tree located in neighbouring lands and within influencing distance of the project.
  - Tree owner consultation and city permit may be required in order to finalize treatment specifications.
- denotes an **UNDERSIZE TREE**
  - A tree that is smaller than by-law defined protected size.
  - The project may need to consult municipality to determine if this is a by-law protected tree.
- denotes the **PRELIMINARY OVERALL TPZ**
  - Provided for project planning and initial design consideration only – final TPZ specifications are to be determined through consultation with the PA as the project design advances.

DRAWING USE AND COORDINATION:

- This drawing relies on information and drawings supplied by the client or their consultants. Refer to original drawings from the consultants (i.e. surveyor, engineer, architect or other design professionals) for accurate locations and dimension of site features.
- All tree protection measures specified herein should be included and coordinated with the designs for the project, including but not limited to: architectural, landscape, civil and geo-technical. It is the responsibility of each design professional to understand and review the tree protection measures and determine any conflicts. If conflicts are identified, the design professional and/or the client should bring those to the attention of the project arborist from this office to review and resolve.
- Tendering and contracts for site preparation, land clearing, civil work and/or construction should include specifications for tree protection measures to be implemented as per this drawing and any reference documents.
- It is the responsibility of the owner or their agent to obtain all necessary approvals for the tree retention and removal scheme presented herein. Any changes that the municipality requests should be brought to the attention of the project arborist from this office to review and resolve.
- Some existing trees may not be shown on this drawing (i.e. undersize or bylaw exempt trees, or grouped trees). It is the responsibility of the contractor(s) to confirm that all necessary municipal approvals are in place, and to determine the full scope of tree removal work. Only the trees shown to be removed and protected are to remain on site, unless otherwise directed by the owner.
- Trees and stumps to be removed from within the tree protection zone (including CP2, RP2 and WSS) are to be removed as directed and with on-site supervision from an arborist from this office.
- Stump grinding may be required for the removal of trees within the tree protection zone, at the discretion of an arborist from this office.
- Certain tree removals in proximity of retained trees or power lines may require assistance from a suitably qualified professional, such as but not limited to:
  - BA Certified Arborist (tree removal, rigging, pruning and other tree service work) working to ANSI A300 and ANSI Z133 Standards and Best Management Practices.
  - Certified Utility Arborist (tree removals, pruning and other tree service work) working to ANSI A300 and ANSI Z133 Standards and Best Management Practices and following BC Hydro policies and procedures.



NOTES: SERVICE AND UTILITY CONNECTIONS

- *WE UNDERSTAND THAT THE CONNECTION LOCATIONS FOR SERVICES AND UTILITIES ARE UNKNOWN AT THIS TIME. IF ANY UNDERGROUND SERVICE CONNECTIONS OR UTILITIES ARE PROPOSED IN PROXIMITY OF RETAINED TREES, THEN:*

  "TRENCHING FOR UTILITY CONNECTIONS TO BE COORDINATED WITH ENGINEERING DEPARTMENT TO ENSURE SAFE ROOT ZONES OF RETAINED TREES. TREE PROTECTION FOR STREET TREES TO BE PROVIDED AS PER ENGINEERING/PARK BOARD GUIDELINES."

- *ALSO SEE "NOTES: STREET TREE PROTECTION" BELOW.*

STRATA PLAN LMS4356

NOTES: STREET TREE PROTECTION

- *STREET TREE PROTECTION MEASURES AND MANAGED ENCROACHMENTS ARE TO BE APPROVED IN ADVANCE BY THE PROJECT ARBORIST AND CITY ARBORIST. IF STREET TREES ARE PROPOSED TO BE REMOVED, THEY WILL BE SUBJECT TO APPROVAL FROM THE CITY VIA REFERRAL TO THE CITY ARBORIST.*
- *THE TREE PROTECTION BARRIERS DO NOT REFLECT THE FULL EXTENT OF THE TREE PROTECTION ZONES STREET TREE PROTECTION BARRIERS CANNOT IMPEDE VEHICULAR AND PEDESTRIAN PASSAGE AND ARE TO BE ALIGNED; IN THE CASE OF SIDEWALK PLANTERS OR GRATES, AT EDGES OF THE PLANTER/HARDSCAPE INTERFACES. THE HARDSCAPES ADJACENT TO THE BARRIERS ARE TO REMAIN INTACT AS A COMPONENT OF THE TREE PROTECTION, OR IN THE CASE OF SOFT LANDSCAPE PLANTING STRIPS OR BOULEVARDS, AT SETBACKS AS DIMENSIONED HEREIN AND AT AN OFFSET 0.6M FROM BACK OF CURB AND 0.3M FROM SIDEWALK EDGE.*
- *ROOT PROTECTION ZONES EXTEND UP TO AND BELOW EXISTING HARDSCAPES ADJACENT TO STREET TREES (I.E. CURBS AND SIDEWALKS) AND ALL RESTRICTIONS AND LIMITATIONS FOR TREE PROTECTION ARE APPLICABLE IN THOSE ZONES. IF THE HARDSCAPE IS TO BE REMOVED AND REPLACED, THE METHODS AND MATERIALS FOR THOSE WORKS ARE SUBJECT TO APPROVAL AND SUPERVISION FROM THE PROJECT ARBORIST. THESE PROTECTION SETBACKS MUST BE CLEARLY SHOWN ON ALL RELATED DESIGN DRAWINGS. THE DRAWINGS MUST BE PROVIDED TO THIS OFFICE FOR REVIEW OF TREE IMPACTS AND MITIGATION IN ADVANCE OF FINALIZING THOSE DESIGNS.*
- *LOGISTICS AND WORK PLAN ITEMS SUCH AS DEMOLITION, EXCAVATION, HOARDING, PEDESTRIAN SAFETY MEASURES, SITE OFFICE, TEMP POWER, SWM, CRANE SETUP AND OPERATION AS WELL AS CONSTRUCTION ACCESS AND WORKING SPACE FOR ALL PHASES OF WORK REQUIRE ADVANCE APPROVAL FROM THE PROJECT ARBORIST.*
- *TO MEET CITY REQUIREMENTS AND STANDARDS FOR STREET TREE PROTECTION, THE PROJECT IS RESPONSIBLE TO NOTIFY THIS OFFICE PRIOR TO ANY MOBILIZATIONS FOR ANY WORK (DEMOLITION, SITE PREPARATION OR CONSTRUCTION) ON THE SITE OR WITHIN THE PUBLIC REALM, AND TO ARRANGE FOR A PRE–CON MEETING ACCORDINGLY.*
- *ALL CIVIL ROADWORKS OR INFRASTRUCTURE WORKS THAT ARE PLANNED WITHIN VICINITY OF STREET TREES WILL REQUIRE CONSIDERATION OF THE PROTECTION OF ROOTS AND CROWNS OF THE STREET TREES AND WILL REQUIRE ON–SITE SUPERVISION AND DIRECTION FROM THIS OFFICE PRIOR TO COMMENCING ANY OF THOSE WORKS – AS REQUIRED BY THE CITY (SEE BULLETING HERein).*
- *ANY PRUNING OF THE STREET TREES THAT MAY BE REQUIRED FOR THE PROJECT WILL BE LIMITED IN SCOPE TO BE COMPLIANT WITH ARBORICULTURAL BEST MANAGEMENT PRACTICES AND ANSI A300 STANDARDS. ALL PRUNING REQUESTS ARE TO BE COORDINATED WITH THE PROJECT ARBORIST WHO WILL PROVIDE GUIDANCE TO THE PROJECT TEAM AND ALSO LIAISE WITH THE CITY ARBORIST FOR ADVANCE APPROVAL. PRUNING IS BE PERFORMED BY A CITY APPROVED TREE SERVICE CONTRACTOR AT THE DEVELOPERS COST – WITH ADVANCE NOTIFICATION TO CITY AND UNDER THE ON–SITE DIRECTION OF THE PROJECT ARBORIST.*

TREE RETENTION AND PROTECTION DETAIL - PROJECT DESIGN BASE
PRESCRIPTION FOR EXISTING TREES IN CONTEXT TO THE PROPOSED CONSTRUCTION

LEGEND-TREE RETENTION:

See arborist report with appendices and details herein for tree data and for tree protection measures and specifications.

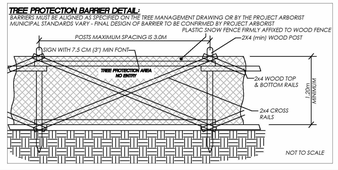
- denotes **STUDY AREA** or **PROJECT SITE LIMITS**
- XXX denotes **ARBORIST TAG NUMBER** or **ID REFERENCE**
- approx denotes an **UN-SURVEYED TREE** shown at an **APPROXIMATE LOCATION**
  - If an unsurveyed tree is contemplated for retention and/or is located close to a neighbouring property line the tree must be accurately surveyed before its treatment is finalized.
- shared denotes a **SHARED OWNERSHIP TREE**
  - Ownership of a tree is determined from survey information and site observations by the PA. When a portion of the trunk(s) at ground height crosses over a property line, the tree is considered to be jointly owned by the respective property owners.
- denotes **RETENTION TREE**
- denotes **REMOVAL TREE**

LEGEND-TREE PROTECTION:

Tree Protection Zone (TPZ) are comprised of a TPB. CPZ, RPZ and WSS as specified by the Project Arborist (PA) and detailed below. See the arborist report and appendices for detailed tree protection specifications.
Retained trees noted as APPROXIMATE must be surveyed accurately before tree protection measures are finalized.
Tree protection setbacks and barrier dimensions are from the centre of tree trunk.
PA to direct the installation and sign off on the tree barriers before any project mobilization to the site.
Barriers aligned relative to a property line, ESA setbacks, or design feature requires accurate survey layout prior to the barrier installation and/or PA signoff.
A Pre-Construction meeting with the PA is required before site mobilization so that the construction logistics and work plan can be reviewed/approved by the project arborist relative to tree protection.
All requests for PA supervision or attendance require a minimum of 5 business days advance notice. Requests with less notice will be considered based on staff availability at the time of the request.

- denotes **CROWN PROTECTION ZONE - CPZ**
  - The CPZ is and excavation zone where above ground encroachment (i.e. building elements, operation of machinery, equipment, vehicles, crane operations, etc) are not permitted.
  - Design of the project must consider the working space required to enable construction without encroachment.
  - The PA may be consulted in advance to explore opportunities for pruning to reduce the CPZ.
- denotes **TREE PROTECTION BARRIER - TPB**
  - The TPB is an exclusion zone where no encroachments are permitted except as authorized by the PA.
  - In cases where the TPB differs from the CPZ or RPZ setbacks due to site conditions or PA approved reductions or encroachments, the limitations, restrictions and measures for the CPZ, RPZ and WSS will pre-vail.
  - The TPB may require adjustment after certain pre-construction works and/or arboricultural treatments and construction measures are implemented under the direction and supervision of the PA.
  - For access requests into a TPB, the PA must approve a TPA in advance and additional specific measures, alternative protection measures, and/or compensatory treatments as applicable.
- denotes **ROOT PROTECTION ZONE - RPZ**
  - The RPZ is specified for areas outside of a specified TPB alignment but where ground disturbance is restricted or limited or specific measures are required to protect underlying roots (i.e., under hardscape or in verges between sidewalks and curbs for boulevard trees).
  - Any activity within the RPZ but outside the TPB requires advance approval of the PA and will be conditional to arboricultural treatments and measures as well as low impact methods and materials.
- denotes **WORKING SPACE SETBACK – WSS**
  - The WSS is a managed encroachment area adjacent to a TPB or RPZ where ground disturbance is restricted or limited. Any activity proposed to occur within an RPZ requires advance approval of the PA.
  - Work within a WSS is subject to on-site supervision by the PA to pertain root pruning concurrent with those works and to direct root and protection measures.
- 1 denotes area of **SPECIFIC MEASURES**
  - The number corresponds to specific measures as detailed herein and on arborist report appendices.
  - These measures are necessary in response to PA tree protection zones that are reduced and smaller that the optimal tree protection zone setbacks conditional to those measures being implemented.
  - The project is required to coordinate with the PA to attend to undertake supervise, direct or implement these arboricultural treatments and/or low impact construction methods and materials during construction as applicable and appropriate.

TREE PROTECTION BARRIER DETAIL:
BARRIERS MUST BE ADJUSTED AS SPECIFIED ON TREE MANAGEMENT DRAWING OR BY THE PROJECT ARBORIST MUNICIPAL STANDARD PARK - FINAL DESIGN OF BARRIER TO BE CONFIRMED BY PROJECT ARBORIST



TREE PROTECTION – GENERAL LIMITATIONS:

Retained and protected trees must have measures in place to prevent damage being incurred to those trees from site works during all phases of the project. Any access within a TPZ requires advance approval and on-site direction/supervision by the PA, and implementation of measures to be specified by the PA. Except where permitted with advance approval from the PA and conditional to PA specified measures or low impact methods being implemented, the project shall ensure that there is:

- No excavation, trenching, grade changes or other soil disturbance of any scope or to any depth,
- No passage or operation of personnel, equipment, machinery, trucks, vehicles of any size or type (whether on tracks or tires),
- No storage of soil, gravel, construction supplies, materials, excavation spoil, waste, etc.,
- No accumulation of storm water or standing water conditions,
- No washing of concrete, stucco, drywall, paint, or other chemicals or materials that may be deleterious to soil or roots,
- No placement of temporary structures, services or utilities,
- No affixing lights, signs, cables, cameras or any other devices to trees (i.e. trunk or branches),
- No pruning or cutting of any part of a retained tree (trunk, crown or roots),
- No landscape finishing – except certain landscape works that have prior approval and scheduled supervision by the PA.

TREE PROTECTION – STANDARD MEASURES:

The Client and their Contractor(s) are responsible to maintain the tree protection compliance through the entire construction term, and to arrange attendance of the PA to the site for the following:

A. Barrier Installation:
To direct and inspect the tree protection barrier installation to our specifications, troubleshoot alignment and installation challenges, document revisions and provide a barrier sign-off report for project reference and submittal to municipality.

B. Pre-Treatment of Trees:
To undertake, supervise or direct arboricultural treatments (i.e. pruning, soil renovation or enhancements, interim watering program and other specific measures) to prepare the trees to sustain and adapt to the construction impacts, such as but not limited to;

- Pruning for risk mitigation, crown restoration, form, building or overhead clearance, and/or sight lines,
- Pre-treatments such as root mapping, vertical aeration, advance root pruning, conversion to self landscape, etc,
- Installation of soil amender (i.e. mulch) within the RPZ to mitigate soil desiccation and to improve soil fertility,
- Interim supplemental watering to compensate for soil hydrology changes,
- Low impact removal of plants or stumps located within a TPZ (i.e. stump grinding or cutting with PA supervision),
- Installation of drainage infrastructure along the perimeter of the TPZ to prevent storm water accumulation within,
- Windfirming treatments of new forest edges created by clearing of the development lands, including; re-assessment, tree removals, pruning, modification to wildlife tree, or other treatments as specified by the PA, and
- Installation of interim soil protection and load distribution measures for personnel or equipment access, where feasible.

C. Pre-Con for Demolition and Pre-Construction:
To plan and implement a schedule to direct/supervise works in and around TPZ's, such as but not limited to:

- site access and egress,
- service and utility decommissioning,
- invasive plant controls, treatments or management,
- demolition of structures or hardscapes,
- site clearing and tree removal including identification of retention trees and direction of low impact removal of trees, vegetation and stumps within the TPZ's as well as to retained retained trees after clearing for condition,
- preloading or site stripping/grading (as applicable),
- installation of temporary power, site hoarding, site office or other infrastructure, and
- installation of ESC or stormwater management infrastructure.

D. Pre-Con for Construction Phase:
To plan and implement a schedule to direct/supervise works in and around TPZ's, such as but not limited to:

- on a regular monthly schedule as per municipal requirements or at an interval determined by the PA relative to the construction schedule and activities,
- at any time when access within a TPZ (TPB), RPZ or CPZ) is planned, to proactively determine feasibility and to provide specifications for cost effective solutions,
- excavation/shoring, site grading (cuts or fills) or other ground disturbances,
- trenching or overhead works related to services and utility installation,
- forming and concrete placing,
- craning, scaffolding, machinery, or other equipment mobilizations or operation,
- temporary or permanent hoarding/fencing,
- all landscape (see below), and
- at certain times as identified in the Specific Measures section (see below).

E. PRIOR TO REMOVING BARRIERS – Landscape Finishing:
To review landscape drawings and the landscape work plan including limitations on methods and materials in advance of commencing those works and to provide on-site direction and guidance for the associated preparation works and construction of PA approved hardscape and soft landscape elements. including but not limited to:

- sidewalks/paths,
- patios/decks/benches,
- retaining walls,
- fencing,
- irrigation/electrical conduit
- soil placement/plantings, mulching and grass/turf installation.

NO LANDSCAPE FABRIC IS PERMITTED TO BE PLACED WITHIN a TPZ
Note that and certain landscape features may be excluded, may require an arboricultural aeration system, or may be limited to specific materials and methods that meet PA requirements. Planting of any plants, shrubs or hedges within a TPZ is restricted to "4 inch" and "#1" nursery pot sizes, but these may vary depending on retention tree species and proximity. A "pocket planting" standard applies in order to minimize the planting hole size and limiting digging into existing grade to avoid damage to woody tree roots, and to backfill with minimal addition of growing medium.

F. Documentation:
To provide site review reports to the project at certain milestones. Note that if non-compliance to tree protection is

1. TREE # C01 and C06 – Demolition:
The removal of existing structures and hard landscape features within or in close proximity to a TPZ require on-site supervision and direction to ensure that the contractor implements low impacts methods for those operations, and to ensure retained trees are protected adequately.
2. TREE # C01 – Pruning:
Project Arborist to attend site to review possible pruning needs for the project with client, contractor and then prepare pruning specification for approval of the Park Board arborist. The project arborist will attend the site to direct pruning treatments performed by the tree service contractor to ensure compliance with approved pruning specifications and arboricultural best management practices. Advanced planning is necessary to ensure aerial lifts, cranes, etc., do not encroach within the crown protection zone to comply with tree protection specifications.
3. TREE # C01 and C06 – Root Pruning for Site Excavation:
It is the responsibility of the contractor to coordinates with the project arborist in advance and schedule the attendance of the project arborist prior to commencing with and during excavation adjacent to the tree protection zones. The project arborist will direct low impact methods, undertake root pruning as necessary and make recommendations in accordance with arboricultural best management practices. In accordance with Parks Board policies, pruning of any roots larger than 5 cm (2"), in diameter at the road frontages will be reported to the Parks Board arborist. Excavation for removal of concrete is not permitted within the root protection zones, and design details should consider tree protection restrictions accordingly;
4. TREE # C01 to C06 – Root Pruning for Services Adjacent to TPZ:
The PA must approve the method of excavation (i.e. excavator, hydro-vac, air-vac, air scale etc) and also must be on site concurrent with trenching to identify tree roots, provide root protection measures and/or uncertain root pruning treatments as necessary.
5. TREE # C01 to C01 –Sidewalk Renovation:
Coordinate with this office for review of civil designs before those plans are finalized for direction and recommendations

PROJECT ARBORIST IS TO REVIEW CIVIL AND UTILITY DESIGNS WHEN AVAILABLE AND BEFORE THEY ARE FINALIZED TO UNDERTAKE A STREET TREE CONSTRUCTION IMPACT ASSESSMENT AND TO PRESCRIBE LOW IMPACT MEASURES AND MITIGATION TREATMENTS REQUIRED IN ORDER TO MEET CITY PARK BOARD REQUIREMENTS (SEE CITY BULLETIN HERein). THE CIVIL AND UTILITY CONTRACTORS WILL REQUIRE THIS INFORMATION BEFORE TENDERING.

VANCOUVER BOARD OF PARKS AND RECREATION

TREE PROTECTION ZONE
ENGINEERING SERVICES - VANCOUVER B.C.

CITY OF VANCOUVER | Engineering Services

Contact the Vancouver Park Board (VPB) Urban Forestry office five(5) business days to arrange for supervised work.

Please note: A Tree Protection Zone (TPZ) is any area within six(6) times the diameter of a tree trunk measured at 1.4 m from of the base of a tree.

Excavation within a TPZ MUST use air-spade or low-pressure hydro-vacuum and:

- MUST be done with ISA Arborist supervision;
- MUST preserve all roots of minimum 50mm (2") in diameter; and,
- MUST preserve all roots of any size wherever possible.

Operational requirements of hydro-vac within a TPZ:

- ALL MEASURES MUST BE TAKEN TO PRESERVE BARK ON TREE ROOTS
- Maximum operating pressure 300-400psi in the first 600mm of depth
- Stem nozzle away from roots - keep 150mm clearance
- Lance MUST be equipped with spray-gun/trigger to stop flow when positioning nozzle near roots
- Vacuum MUST be equipped with digger-tubes as small as 4 inches to fit between roots
- Wrap exposed roots with burlap for protection from high-pressure water.
- Burlap may be left in place when backfilling.

VPB does NOT permit the following within a TPZ:

- Excavation using an excavator, backhoe machine or bucket
- Stockpiling of building materials, debris, or soil
- Vehicular and machine traffic (unless on existing paved surfaces)
- Unauthorized alteration of grade or soil structure

If machines and/or materials will occupy the boulevard, the following ground protection must be placed over the boulevard:

- 1" plywood;
- Hard rubber mats; or,
- Steel plates.

Noncompliance may result in mandatory remediation of compacted soils and site conditions. If construction causes damage to any public tree, to an extent VPB staff determine the tree unfit for retention, VPB will seek recompense from the contractor for the CTLA appraised tree value (up to $90,000).

If roots over 50 mm diameter are impeding construction, please contact this office at 250-257-8580 or email pbdevelopment.trees@vancouver.ca.

NO.	REVISION/ISSUE	BY	APPROVED
1	Issued for DP		

REQUIREMENTS WHILE WORKING IN TREE PROTECTION ZONE

ISSUE DATE: 05/26/2021
APPROVED BY: RE

ISSUED FOR DP APPLICATION - NOT FOR CONSTRUCTION

APPENDIX C: TREE MANAGEMENT DRAWING

aclgroup.ca
ARBORTECH CONSULTING
A125 - 4206 203 ST LANGLEY BC V2Y 3S1 604 275 3484 trees@aclgroup.ca
ACL GROUP
Arbortech is a division of ACL Group

PROJECT:	REZONING FOR PROPOSED DEVELOPMENT
ADDRESS:	2120 W 10TH AVENUE VANCOUVER
CLIENT:	BASTION DEVELOPMENT CORP
CITY REF.:	ACL FILE: 18186
PLOT SIZE:	22"X34" REV #: 5 DATE: AUG 21, 2026

HAPA COLLABORATIVE
604.909.4150
hapacollab.com
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
Landscape Architecture
Urban Design

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS REGISTERED MEMBER CHRIS LEDGER 728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

TREE MANAGEMENT PLAN

Date	08/05/26
Project No.	2408
Scale	
Drawn|Checked	YZ/FT|CM

Drawing Number
L0.02



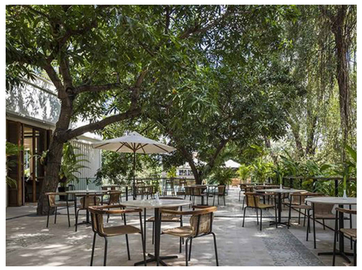
Context Reading

Accommodate various plantings to create a lush and soft image in association with the neighborhood.



Enclosure

Create buffers to enclose the space from interruption and unnecessary connection.



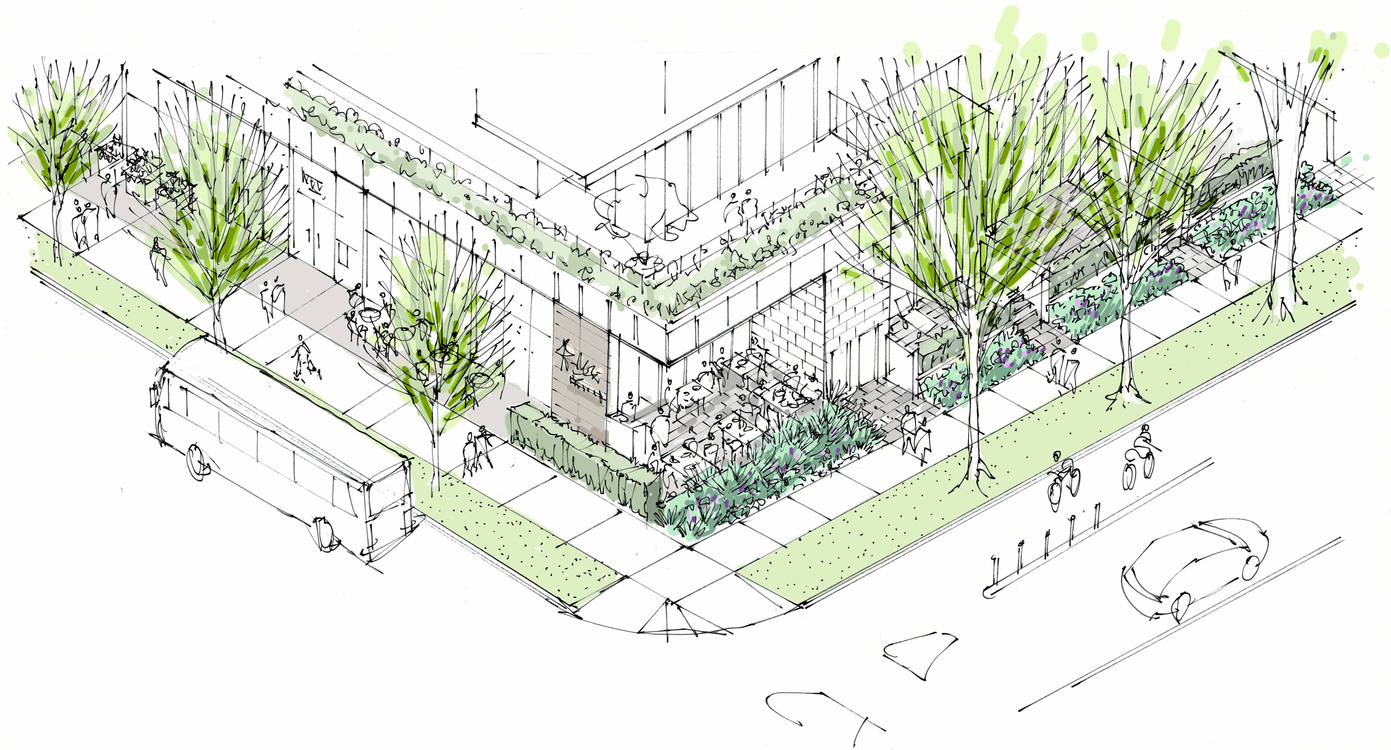
Comfort

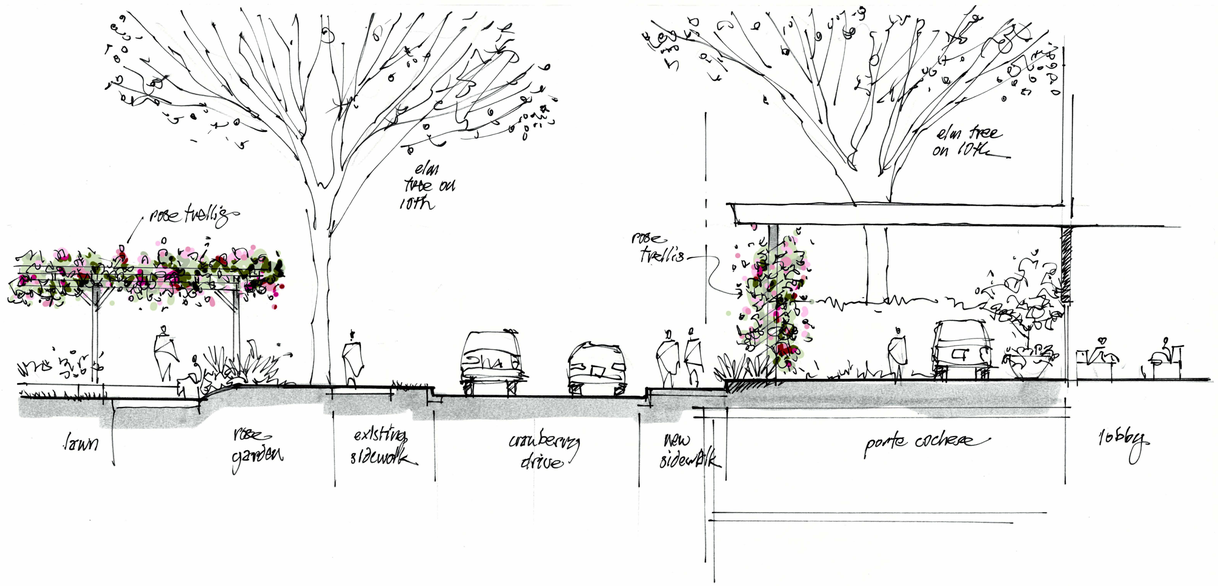
Utilize design elements and vegetation to make it feel contained and comfortable.



Delight

Incorporate design elements that allow for playfulness, spontaneity and delight.





HAPA COLLABORATIVE
Landscape Architecture
Urban Design
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
604.909.4150
hapacollab.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS CHRISTIE
728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

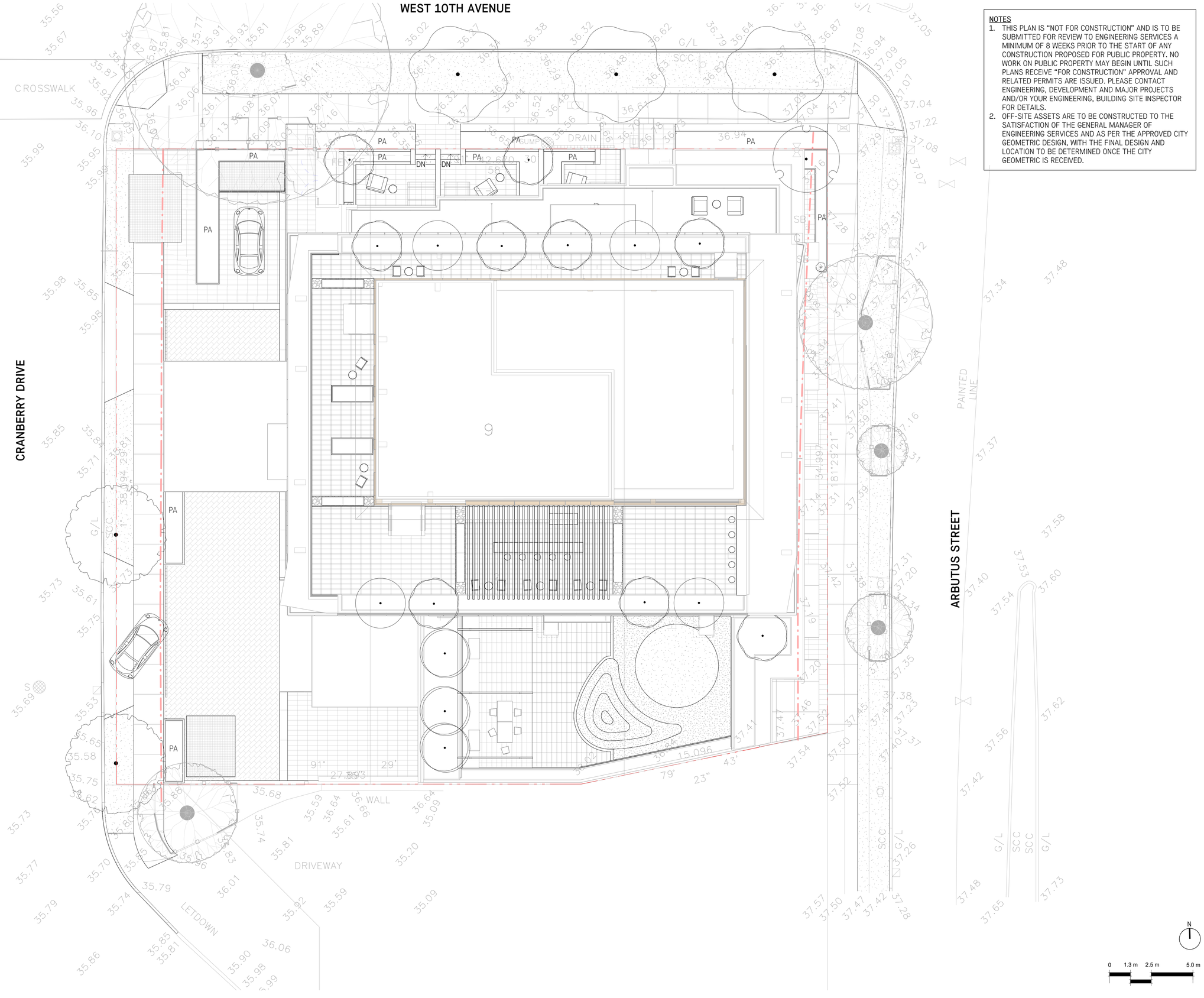
Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

LANDSCAPE DESIGN PRINCIPLES

Date	08/05/26
Project No.	2408
Scale	NTS
Drawn|Checked	YZ/FT| CM

Drawing Number
L0.03



NOTES

1. THIS PLAN IS "NOT FOR CONSTRUCTION" AND IS TO BE SUBMITTED FOR REVIEW TO ENGINEERING SERVICES A MINIMUM OF 8 WEEKS PRIOR TO THE START OF ANY CONSTRUCTION PROPOSED FOR PUBLIC PROPERTY. NO WORK ON PUBLIC PROPERTY MAY BEGIN UNTIL SUCH PLANS RECEIVE "FOR CONSTRUCTION" APPROVAL AND RELATED PERMITS ARE ISSUED. PLEASE CONTACT ENGINEERING, DEVELOPMENT AND MAJOR PROJECTS AND/OR YOUR ENGINEERING, BUILDING SITE INSPECTOR FOR DETAILS.
2. OFF-SITE ASSETS ARE TO BE CONSTRUCTED TO THE SATISFACTION OF THE GENERAL MANAGER OF ENGINEERING SERVICES AND AS PER THE APPROVED CITY GEOMETRIC DESIGN, WITH THE FINAL DESIGN AND LOCATION TO BE DETERMINED ONCE THE CITY GEOMETRIC IS RECEIVED.

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
604.909.4150
hapacollab.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McCREE
728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

OVERALL SITE PLAN

N

0 1.3 m 2.5 m 5.0 m

Date	08/05/26	Drawing Number	
Project No.	2408		L1.00
Scale	1 : 100		
Drawn|Checked	YZ/FT| CM		

MATERIALS LEGEND

- HARDSCAPE PAVING TYPE 01
- HARDSCAPE PAVING TYPE 02
- CIP CONCRETE
- TURF
- PA — PLANTING
- ROOT BARRIER

FURNISHING LEGEND

- MOVABLE TABLE AND CHAIRS
- WOOD TOP BENCH
- STEP LIGHT
- ILLUMINATED BOLLARDS

GRADING LEGEND

+FFE X.XX	FINISHED FLOOR ELEVATION
+X.XX	PROPOSED SPOT ELEVATION
+BG X.XX	BUILDING GRADE
+TD X.XX	TRENCH DRAIN
+AD X.XX	AREA DRAIN
+TB X.XX	TOP OF BENCH
X.X %	SLOPE

NOTES

1. THIS PLAN IS "NOT FOR CONSTRUCTION" AND IS TO BE SUBMITTED FOR REVIEW TO ENGINEERING SERVICES A MINIMUM OF 8 WEEKS PRIOR TO THE START OF ANY CONSTRUCTION PROPOSED FOR PUBLIC PROPERTY. NO WORK ON PUBLIC PROPERTY MAY BEGIN UNTIL SUCH PLANS RECEIVE "FOR CONSTRUCTION" APPROVAL AND RELATED PERMITS ARE ISSUED. PLEASE CONTACT ENGINEERING, DEVELOPMENT AND MAJOR PROJECTS AND/OR YOUR ENGINEERING, BUILDING SITE INSPECTOR FOR DETAILS.
2. OFF-SITE ASSETS ARE TO BE CONSTRUCTED TO THE SATISFACTION OF THE GENERAL MANAGER OF ENGINEERING SERVICES AND AS PER THE APPROVED CITY GEOMETRIC DESIGN, WITH THE FINAL DESIGN AND LOCATION TO BE DETERMINED ONCE THE CITY GEOMETRIC IS RECEIVED.

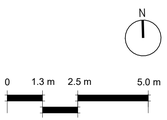
WEST 10TH AVENUE

CRANBERRY DRIVE

ARBUTUS STREET

LANE

EXISTING TREE, TYP.
TREE PROTECTION BARRIER, REFER TO ARBORIST
CONCRETE PLANTER WALL
COV STANDARD SIDEWALK
GAS METER, REFER TO ARCH
STEP LIGHTS
2.4m LENGTH ROOT BARRIER PER COV STANDARD, TYP.
COV STANDARD LETDOWN, REFER TO CIVIL
TIMBER BENCH
PARKADE VENT INTAKE, REFER TO ARCH AND MECH.
VISTA SWITCH HATCH PER BC HYDRO
RAISED PLANTER
CIP CONCRETE SIDEWALK
BIKE RACK
GRAVEL DRIP STRIP
BIKE RACK (2)
SCREEN PLANTING
PRIVATE PATIO, TYP.
PASSENGER CLASS A
PORTICO ABOVE, REFER TO ARCH.
TRELLIS AROUND COLUMNS
ILLUMINATED BOLLARDS (5)
BANDED PAVING
HARDSCAPE PAVING, TYPE 02
BIKE RACK
RAISED CURB
EXTENT OF SUPPLEMENTAL SOIL SYSTEM (20m3 SOIL PER SHARED ROW OF TREE), TYP.
HARDSCAPE PAVING, TYPE 01
EXTENT OF PARKADE BELOW, TYP.
TRENCH DRAIN, TYP.
RAMP STARTS, REFER TO ARCH FOR GRADING
VENT OUTTAKE, REFER TO ARCH AND MECH.
HARDSCAPE PAVING, TYPE 02
MESH SCREEN WITH CLIMBING PLANTS
RAISED PLANTER
CLASS B LOADING
WALL
DRIVEWAY
LETDOWN
RAISED PLANTER
EXISTING FIRE HYDRANT
LOUNGE PATIO: HARDSCAPE PAVING, TYPE 02
CIP CONCRETE SIDEWALK, TYP.
EXISTING TREE TYP.
TREE PROTECTION BARRIER, REFER TO ARBORIST
HARDSCAPE PAVING, TYPE 02
BUILDING OVERHANG, TYP.
AREA DRAIN, TYP.
PAINTED LINE



HAPA COLLABORATIVE
Landscape Architecture
Urban Design
604.909.4150
hapacollab.com
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McCABE
728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

LANDSCAPE MATERIALS, GRADING, AND LAYOUT PLAN LEVEL 01

Date	08/05/26	Drawing Number	L1.01
Project No.	2408		
Scale	1 : 100		
Drawn|Checked	YZ/FT| CM		

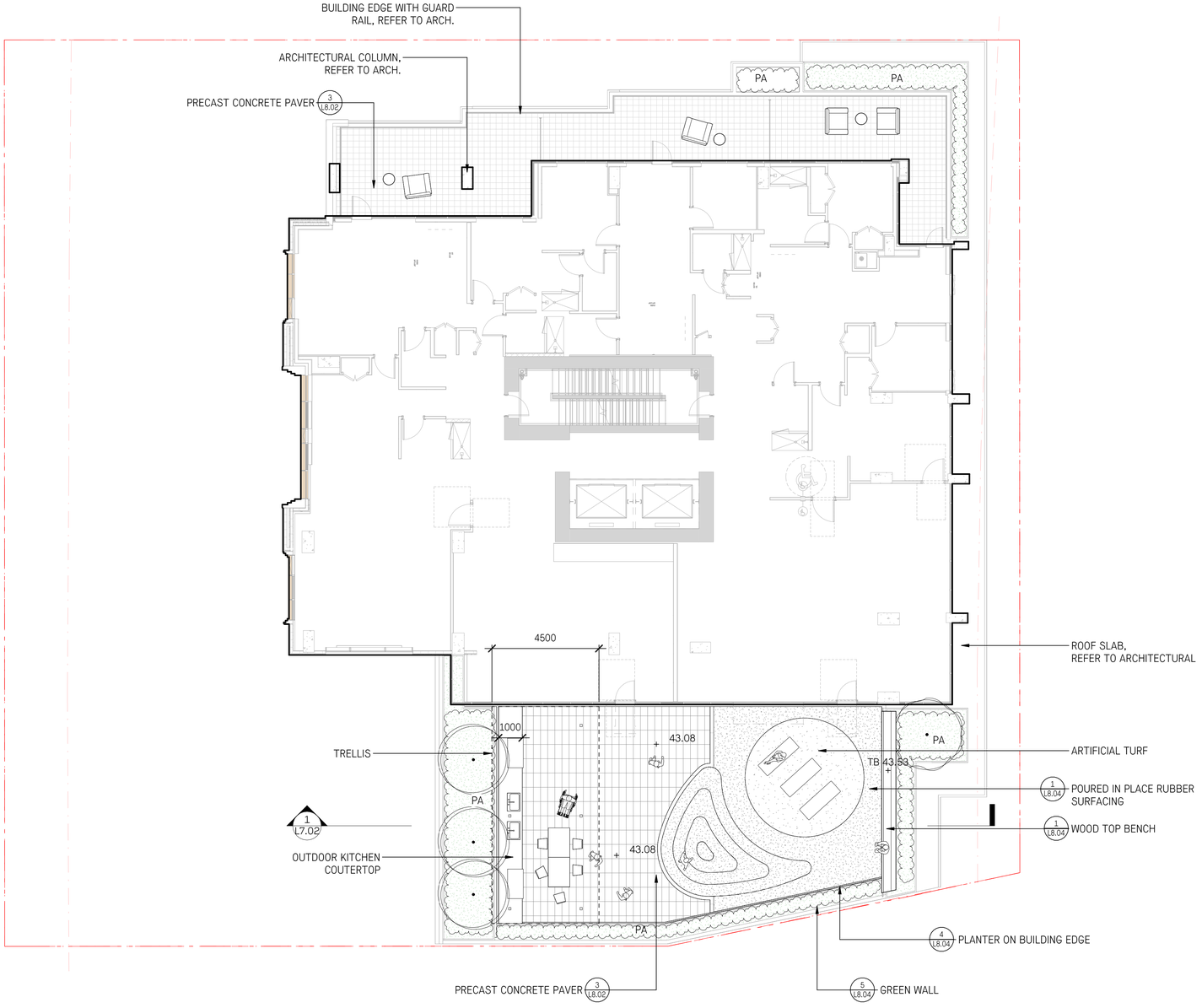
NOTES
1. THIS PLAN IS "NOT FOR CONSTRUCTION" AND IS TO BE SUBMITTED FOR REVIEW TO ENGINEERING SERVICES A MINIMUM OF 8 WEEKS PRIOR TO THE START OF ANY CONSTRUCTION PROPOSED FOR PUBLIC PROPERTY. NO WORK ON PUBLIC PROPERTY MAY BEGIN UNTIL SUCH PLANS RECEIVE "FOR CONSTRUCTION" APPROVAL AND RELATED PERMITS ARE ISSUED. PLEASE CONTACT ENGINEERING, DEVELOPMENT AND MAJOR PROJECTS AND/OR YOUR ENGINEERING, BUILDING SITE INSPECTOR FOR DETAILS.
2. OFF-SITE ASSETS ARE TO BE CONSTRUCTED TO THE SATISFACTION OF THE GENERAL MANAGER OF ENGINEERING SERVICES AND AS PER THE APPROVED CITY GEOMETRIC DESIGN, WITH THE FINAL DESIGN AND LOCATION TO BE DETERMINED ONCE THE CITY GEOMETRIC IS RECEIVED.

MATERIALS LEGEND

- PRECAST CONCRETE UNIT PAVER
- PLAY AREA RUBBER SURFACE
- ARTIFICIAL TURF SURFACE
- CIP CONCRETE
- PA — PLANTING

FURNISHING LEGEND

- MOVABLE TABLE AND CHAIRS
- WOOD TOP BENCH
- PRIVATE PATIO FURNITURE
- OUTDOOR KITCHEN COUNTERTOP



N

0 1.3 m 2.5 m 5.0 m

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
604.909.4150
hapacollab.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS — REGISTERED MEMBER — CHRIS McCABE — 728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

LANDSCAPE MATERIALS, GRADING, AND LAYOUT PLAN LEVEL 02

Date	08/05/26	Drawing Number	L1.02
Project No.	2408		
Scale	1 : 100		
Drawn|Checked	YZ/FT|CM		

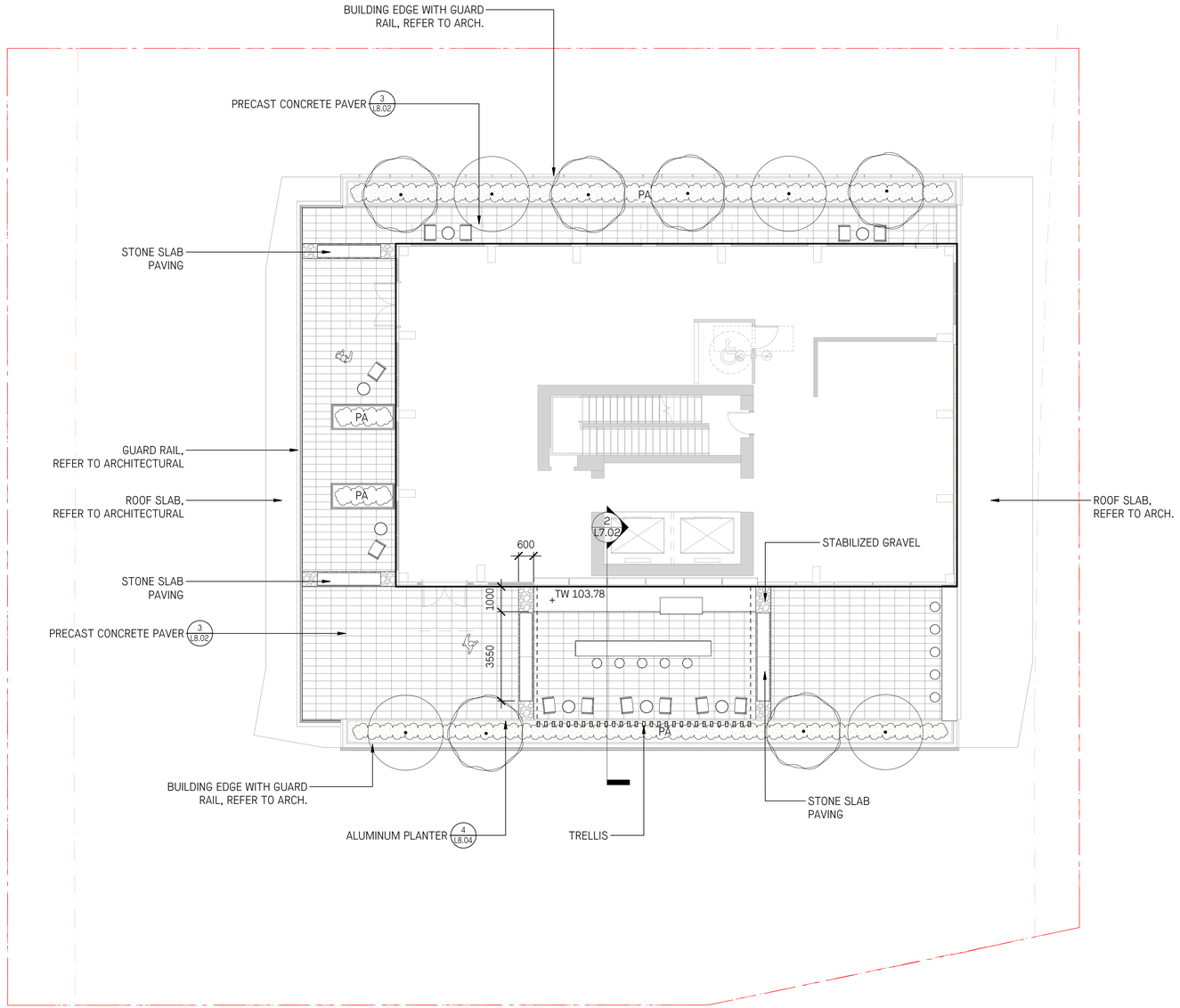
NOTES
1. THIS PLAN IS "NOT FOR CONSTRUCTION" AND IS TO BE SUBMITTED FOR REVIEW TO ENGINEERING SERVICES A MINIMUM OF 8 WEEKS PRIOR TO THE START OF ANY CONSTRUCTION PROPOSED FOR PUBLIC PROPERTY. NO WORK ON PUBLIC PROPERTY MAY BEGIN UNTIL SUCH PLANS RECEIVE "FOR CONSTRUCTION" APPROVAL AND RELATED PERMITS ARE ISSUED. PLEASE CONTACT ENGINEERING, DEVELOPMENT AND MAJOR PROJECTS AND/OR YOUR ENGINEERING, BUILDING SITE INSPECTOR FOR DETAILS.
2. OFF-SITE ASSETS ARE TO BE CONSTRUCTED TO THE SATISFACTION OF THE GENERAL MANAGER OF ENGINEERING SERVICES AND AS PER THE APPROVED CITY GEOMETRIC DESIGN, WITH THE FINAL DESIGN AND LOCATION TO BE DETERMINED ONCE THE CITY GEOMETRIC IS RECEIVED.

MATERIALS LEGEND

- CONCRETE UNIT PAVER
- STONE SLAB PAVING
- STABILIZED GRAVEL
- PA PLANTING

FURNISHING LEGEND

- MOVABLE TABLE AND CHAIRS
- OUTDOOR LOUNGE FURNITURE
- BAR TABLE AND CHAIRS
- GARDEN PLOT
- OUTDOOR KITCHEN COUNTERTOP OPPORTUNITY



N

0 1.3 m 2.5 m 5.0 m

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
604.909.4150
hapacollab.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS — REGISTERED MEMBER — CHRIS McCREERY — 728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

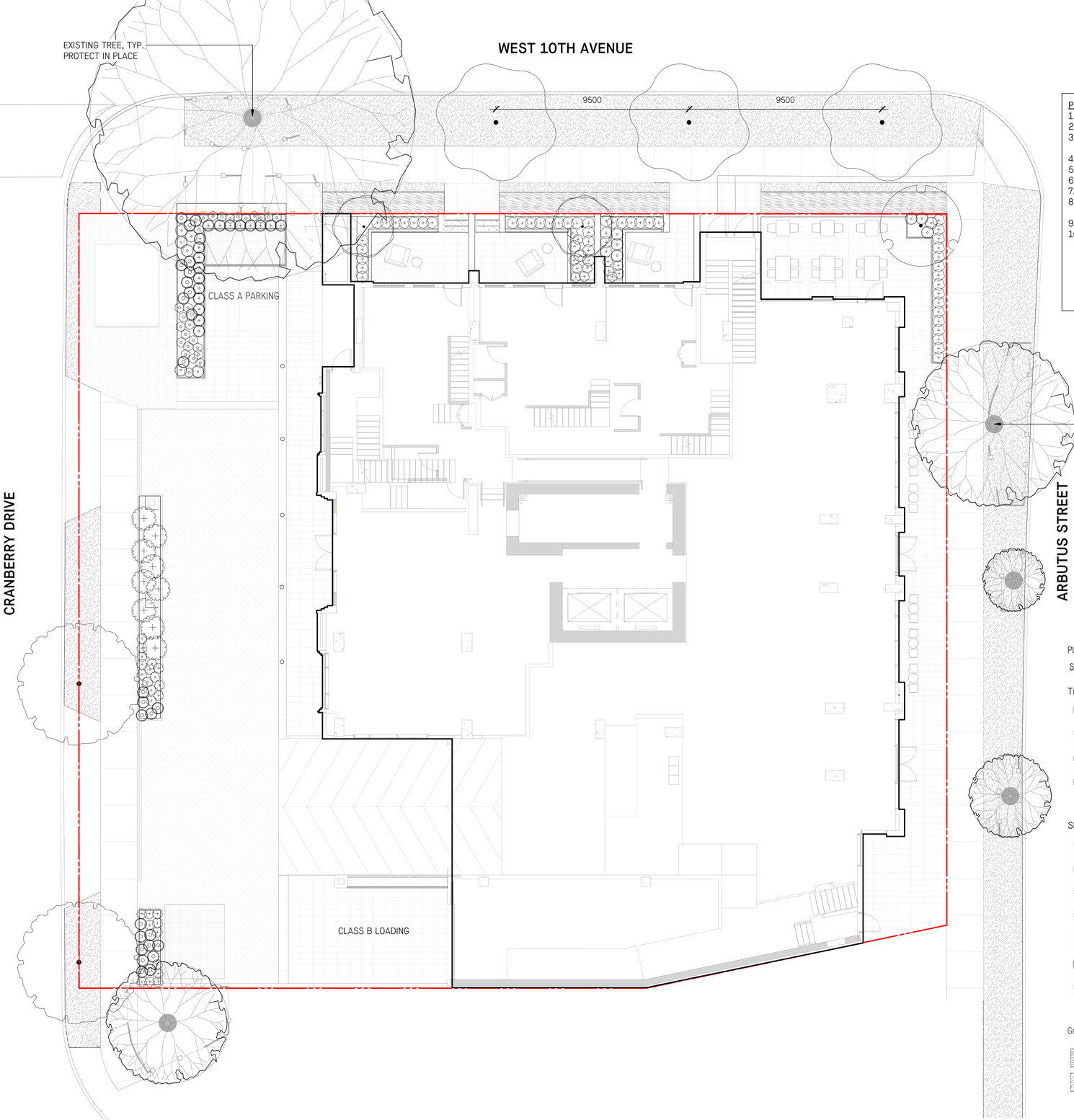
Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

LANDSCAPE MATERIALS, GRADING, AND LAYOUT PLAN AMENITY LEVEL

Date	08/05/26
Project No.	2408
Scale	1 : 100
Drawn|Checked	YZ/FT| CM

Drawing Number: L1.03



PLANTING PLAN NOTES

1. ALL PLANT MATERIAL TO MEET CSLA/CNLA STANDARD. REFER TO THE CANADIAN LANDSCAPE STANDARD, LATEST EDITION
2. ALL STREET TREES TO MEET MUNICIPAL STREET TREE GUIDELINES, LATEST VERSION
3. AREA OF SEARCH FOR PLANT MATERIAL IS PACIFIC NORTHWEST. INCLUDING: BRITISH COLUMBIA, WASHINGTON AND OREGON. FURTHER SEARCH TO BE TAKEN IF NECESSARY
4. ALL TREE PLANTING LOCATIONS AND PLANTING LAYOUT TO BE CONFRIMED BY LANDSCAPE ARCHITECT ON SITE
5. ANY SUBSTITUTION OF PLANT MATERIAL REQUIRE SUBMITTAL, REVIEW AND APPROVAL BY CLIENT/LANDSCAPE ARCHITECT
6. ANY PRE-PURCHASE OF PLANT MATERIAL REQUIRED CONFIRMATION BY LANDSCAPE ARCHITECT
7. ALL TREE SOIL VOLUMES TO MEET MINIMUM REQUIRED MUNICIPAL STANDARDS
8. ALL NEW TREES MUST BE OF GOOD STANDARD, MINIMUM 70mm CALIPER, AND INSTALLED WITH APPROVED ROOT BARRIERS, TREE GUARDS AND APPROPRIATE SOIL. ALL ROOT BARRIERS SHALL BE 2400mm (8') LONG AND 450mm (18") DEEP
9. CONTACT MUNICIPAL PARKS STREET DIVISION FOR INSPECTION AFTER TREE PLANTING COMPLETION
10. FOR STREET TREES: TREE SPECIES, FINAL SPACING, QUANTITY AND LOCATION TO THE SATISFACTION OF THE GENERAL MANAGER OF ENGINEERING SERVICES. NEW TREES MUST BE OF GOOD STANDARD, MINIMUM 6 CM CALIPER, AND INSTALLED WITH APPROVED ROOT BARRIERS, TREE GUARDS AND APPROPRIATE SOIL VOLUMES. INSTALLATION OF ENGINEERED SOIL MAY BE REQUIRED TO OBTAIN APPROPRIATE SOIL VOLUMES BASED ON SITE CONDITIONS. ROOT BARRIERS SHALL BE OF RIGID CONSTRUCTION, 8 FEET LONG AND 18 INCHES DEEP, CENTRE ON EACH STREET TREE ADJACENT TO THE SIDEWALK AND ANY OFF-STREET BIKE FACILITY. PLANTING DEPTH OF ROOT BALL MUST BE BELOW SIDEWALK GRADE. CONTACT PARK BOARD AT pbdevelopment.trees@vancouver.ca FOR INSPECTION AFTER TREE PLANTING COMPLETION.

PLANT SCHEDULE - L1

Symbol	Code	Count	Botanical Name	Common Name	Size	Spacing	Comments	Level
Trees								
	CK	1	Cornus kousa	Kousa Dogwood	1.8m ht.	As Shown	B&B Uniform Branching, Dense Tree	LEVEL 01
	FF	3	Fagus sylvatica `Fastigiata`	Fastigiate European Beech	3.0m ht.	As Shown	B&B Uniform Branching, Dense Tree	LEVEL 01
	ML	2	Magnolia grandiflora `Little Gem`	Little Gem Dwarf Southern Magnolia	1.2m ht.	As Shown	B&B Uniform Branching, Dense Tree	LEVEL 01
	PP	2	Parrotia persica	Persian Parrotia	2.4m ht	As Shown	B&B Uniform Branching, Dense Tree	LEVEL 01
		8						
Shrubs								
	DT	26	Deschampsia cespitosa	Tufted Hair Grass	#1 Pot			LEVEL 01
	FG	36	Festuca glauca	Blue Fescue	#1 Pot			LEVEL 01
	PL	18	Prunus lusitanica	Portugal Laurel	#2 Pot			LEVEL 01
	PM	9	Polystichum munitum	Western Sword Fern	#1 Pot			LEVEL 01
	SC	26	Sarcococca confusa	Sweetbox	#1 Pot			LEVEL 01
	SR	16	Skimmia japonica `Rubella`	Rubella Skimmia	#1 Pot			LEVEL 01
	TM	50	Taxus x media	Anglo-Japanese Yew	#2 Pot			LEVEL 01
		181						
Ground covers								
	PT	25.15 m²	Pachysandra terminalis	Japanese Spurge			Well Established	
	TS	252.98 m²	Turf Hydroseed	Drought Tolerant Fescue Blend			Well Established	

N

0 1.3 m 2.5 m 5.0 m

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
604.909.4150
hapacollab.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McCREE
728

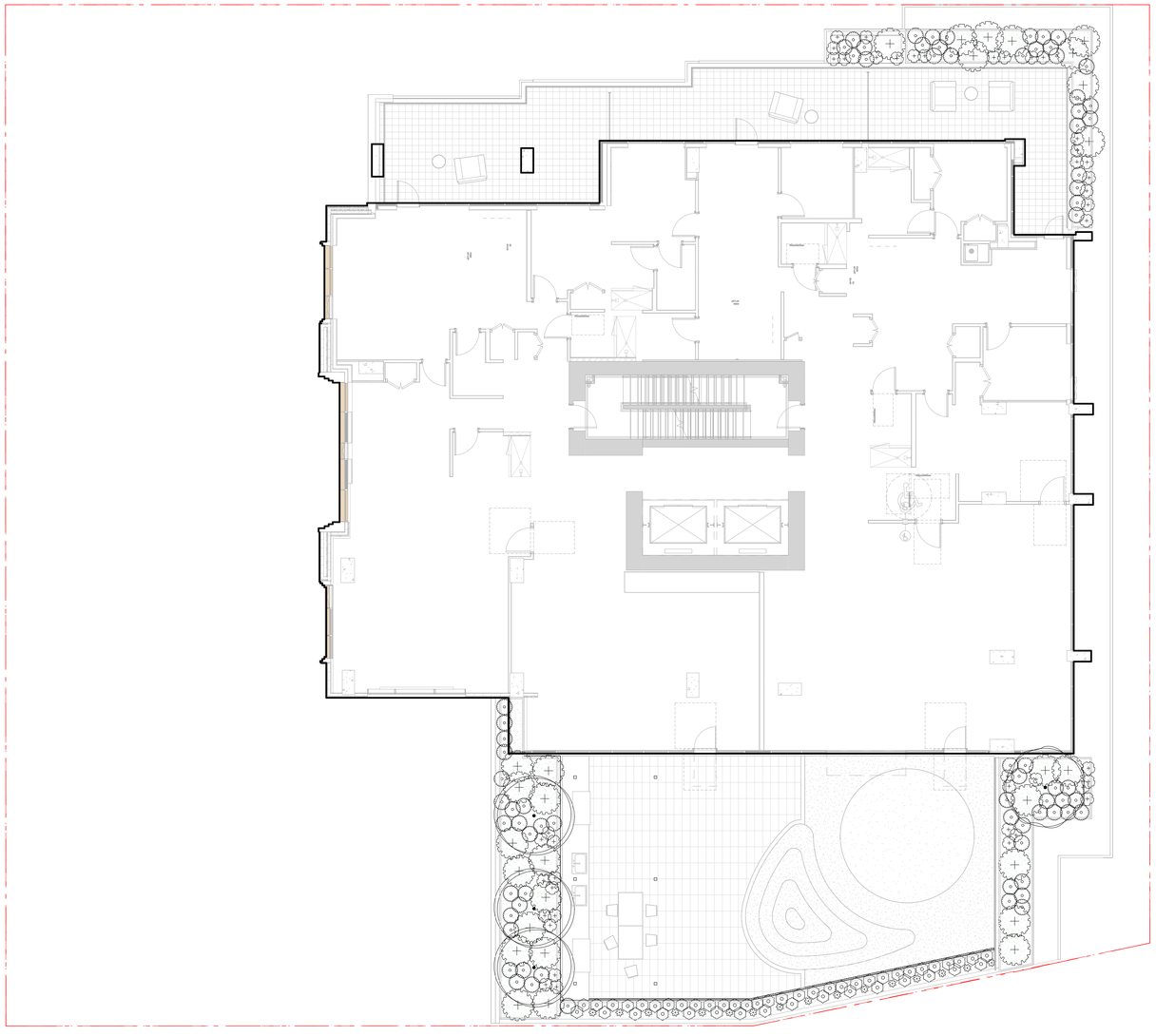
Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

PLANTING PLAN LEVEL 01

Date	08/05/26	Drawing Number	
Project No.	2408		L4.01
Scale	1 : 100		
Drawn|Checked	YZ/FT| CM		



PLANTING PLAN NOTES

1. ALL PLANT MATERIAL TO MEET CSLA/CNLA STANDARD. REFER TO THE CANADIAN LANDSCAPE STANDARD, LATEST EDITION
2. ALL STREET TREES TO MEET MUNICIPAL STREET TREE GUIDELINES, LATEST VERSION
3. AREA OF SEARCH FOR PLANT MATERIAL IS PACIFIC NORTHWEST. INCLUDING: BRITISH COLUMBIA, WASHINGTON AND OREGON. FURTHER SEARCH TO BE TAKEN IF NECESSARY
4. ALL TREE PLANTING LOCATIONS AND PLANTING LAYOUT TO BE CONFRIMED BY LANDSCAPE ARCHITECT ON SITE
5. ANY SUBSTITUTION OF PLANT MATERIAL REQUIRE SUBMITTAL, REVIEW AND APPROVAL BY CLIENT/LANDSCAPE ARCHITECT
6. ANY PRE-PURCHASE OF PLANT MATERIAL REQUIRED CONFIRMATION BY LANDSCAPE ARCHITECT
7. ALL TREE SOIL VOLUMES TO MEET MINIMUM REQUIRED MUNICIPAL STANDARDS
8. ALL NEW TREES MUST BE OF GOOD STANDARD, MINIMUM 70mm CALIPER, AND INSTALLED WITH APPROVED ROOT BARRIERS, TREE GUARDS AND APPROPRIATE SOIL. ALL ROOT BARRIERS SHALL BE 2400mm (8') LONG AND 450mm (18") DEEP
9. CONTACT MUNICIPAL PARKS STREET DIVISION FOR INSPECTION AFTER TREE PLANTING COMPLETION
10. FOR STREET TREES: TREE SPECIES, FINAL SPACING, QUANTITY AND LOCATION TO THE SATISFACTION OF THE GENERAL MANAGER OF ENGINEERING SERVICES. NEW TREES MUST BE OF GOOD STANDARD, MINIMUM 6 CM CALIPER, AND INSTALLED WITH APPROVED ROOT BARRIERS, TREE GUARDS AND APPROPRIATE SOIL VOLUMES. INSTALLATION OF ENGINEERED SOIL MAY BE REQUIRED TO OBTAIN APPROPRIATE SOIL VOLUMES BASED ON SITE CONDITIONS. ROOT BARRIERS SHALL BE OF RIGID CONSTRUCTION, 8 FEET LONG AND 18 INCHES DEEP, CENTRE ON EACH STREET TREE ADJACENT TO THE SIDEWALK AND ANY OFF-STREET BIKE FACILITY. PLANTING DEPTH OF ROOT BALL MUST BE BELOW SIDEWALK GRADE. CONTACT PARK BOARD AT pbdevelopment.trees@vancouver.ca FOR INSPECTION AFTER TREE PLANTING COMPLETION.

PLANT SCHEDULE - L2

Symbol	Code	Count	Botanical Name	Common Name	Size	Spacing	Comments	Level
Trees								
	AC	3	Acer circinatum	Vine Maple	2.4m ht	As Shown	B&B Well Branched, Dense Tree	LEVEL 02
	ML	1	Magnolia grandiflora `Little Gem`	Little Gem Dwarf Southern Magnolia	1.2m ht.	As Shown	B&B Uniform Branching, Dense Tree	LEVEL 02
		4						
Shrubs								
	AL	16	Akebia longeracemosa	Chocolate Vine	#1 Pot			LEVEL 02
	FG	22	Festuca glauca	Blue Fescue	#1 Pot			LEVEL 02
	PM	28	Polystichum munitum	Western Sword Fern	#1 Pot			LEVEL 02
	SC	47	Sarcococca confusa	Sweetbox	#1 Pot			LEVEL 02
	SR	74	Skimmia japonica `Rubella`	Rubella Skimmia	#1 Pot			LEVEL 02
		187						

N

0 1.3 m 2.5 m 5.0 m

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
604.909.4150
hapacollab.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS REGISTERED MEMBER CHRIS McCREE 728

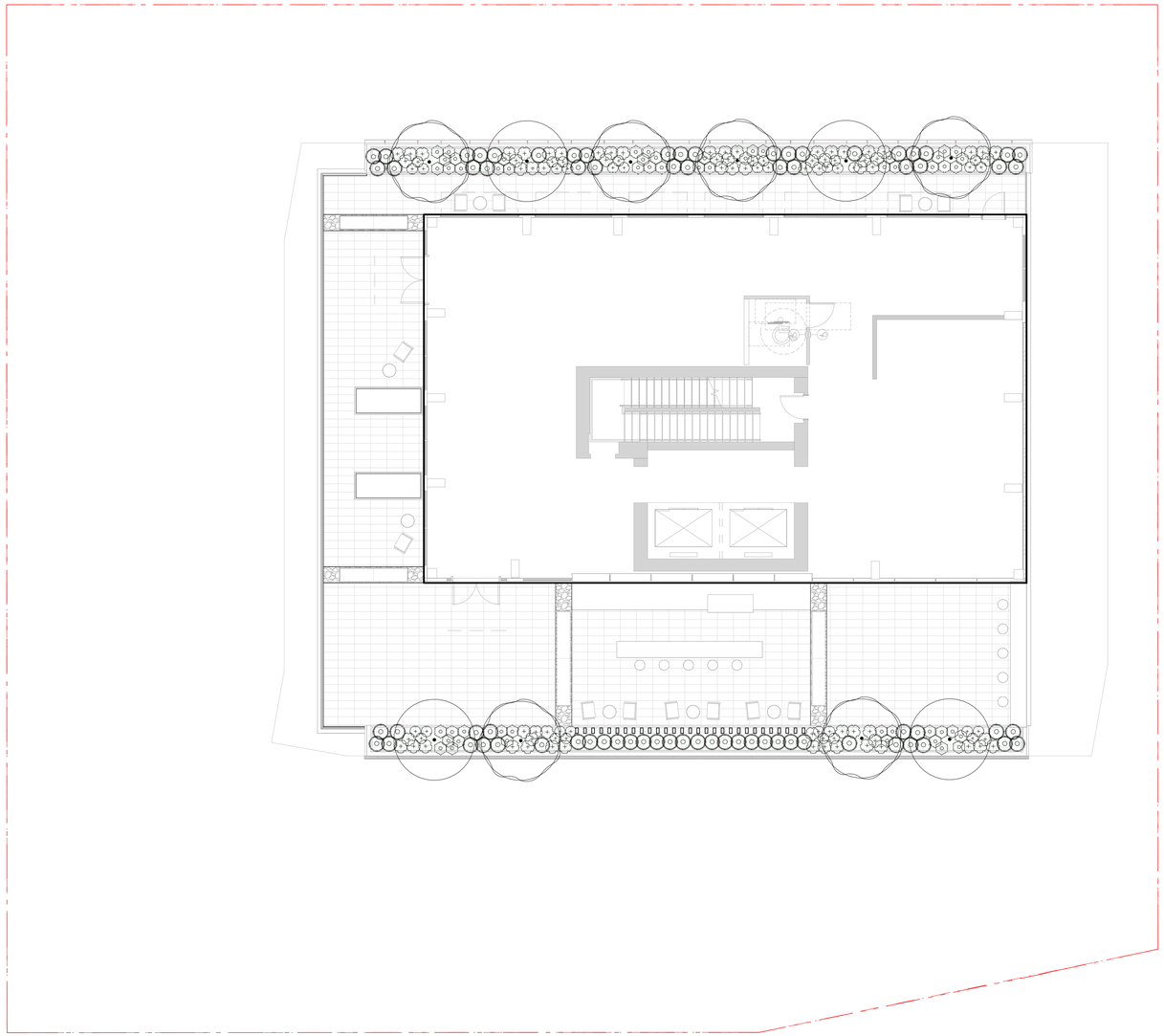
Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

PLANTING PLAN LEVEL 02

Date	08/05/26	Drawing Number	L4.02
Project No.	2408		
Scale	1 : 100		
Drawn|Checked	YZ/FT| CM		



PLANTING PLAN NOTES

1. ALL PLANT MATERIAL TO MEET CSLA/CNLA STANDARD. REFER TO THE CANADIAN LANDSCAPE STANDARD, LATEST EDITION
2. ALL STREET TREES TO MEET MUNICIPAL STREET TREE GUIDELINES, LATEST VERSION
3. AREA OF SEARCH FOR PLANT MATERIAL IS PACIFIC NORTHWEST. INCLUDING: BRITISH COLUMBIA, WASHINGTON AND OREGON. FURTHER SEARCH TO BE TAKEN IF NECESSARY
4. ALL TREE PLANTING LOCATIONS AND PLANTING LAYOUT TO BE CONFRIMED BY LANDSCAPE ARCHITECT ON SITE
5. ANY SUBSTITUTION OF PLANT MATERIAL REQUIRE SUBMITTAL, REVIEW AND APPROVAL BY CLIENT/LANDSCAPE ARCHITECT
6. ANY PRE-PURCHASE OF PLANT MATERIAL REQUIRED CONFIRMATION BY LANDSCAPE ARCHITECT
7. ALL TREE SOIL VOLUMES TO MEET MINIMUM REQUIRED MUNICIPAL STANDARDS
8. ALL NEW TREES MUST BE OF GOOD STANDARD, MINIMUM 70mm CALIPER, AND INSTALLED WITH APPROVED ROOT BARRIERS, TREE GUARDS AND APPROPRIATE SOIL. ALL ROOT BARRIERS SHALL BE 2400mm (8') LONG AND 450mm (18") DEEP
9. CONTACT MUNICIPAL PARKS STREET DIVISION FOR INSPECTION AFTER TREE PLANTING COMPLETION
10. FOR STREET TREES: TREE SPECIES, FINAL SPACING, QUANTITY AND LOCATION TO THE SATISFACTION OF THE GENERAL MANAGER OF ENGINEERING SERVICES. NEW TREES MUST BE OF GOOD STANDARD, MINIMUM 6 CM CALIPER, AND INSTALLED WITH APPROVED ROOT BARRIERS, TREE GUARDS AND APPROPRIATE SOIL VOLUMES. INSTALLATION OF ENGINEERED SOIL MAY BE REQUIRED TO OBTAIN APPROPRIATE SOIL VOLUMES BASED ON SITE CONDITIONS. ROOT BARRIERS SHALL BE OF RIGID CONSTRUCTION, 8 FEET LONG AND 18 INCHES DEEP, CENTRE ON EACH STREET TREE ADJACENT TO THE SIDEWALK AND ANY OFF-STREET BIKE FACILITY. PLANTING DEPTH OF ROOT BALL MUST BE BELOW SIDEWALK GRADE. CONTACT PARK BOARD AT pbdevelopment.trees@vancouver.ca FOR INSPECTION AFTER TREE PLANTING COMPLETION.

PLANT SCHEDULE - AMENITY LEVEL

Symbol	Code	Count	Botanical Name	Common Name	Size	Spacing	Comments	Level
Trees								
	AP	4	Acer palmatum	Japanese Maple	2.4m ht	As Shown	B&B Uniform Branching, Dense Tree	LEVEL AMENITY
	ML	6	Magnolia grandiflora `Little Gem`	Little Gem Dwarf Southern Magnolia	1.2m ht.	As Shown	B&B Uniform Branching, Dense Tree	LEVEL AMENITY
		10						
Shrubs								
	DT	72	Deschampsia cespitosa	Tufted Hair Grass	#1 Pot			LEVEL AMENITY
	FG	67	Festuca glauca	Blue Fescue	#1 Pot			LEVEL AMENITY
	RI	35	Rosmarinus officinalis `Repens`	Creeping Rosemary	#1 Pot			LEVEL AMENITY
	SC	53	Sarcococca confusa	Sweetbox	#1 Pot			LEVEL AMENITY
		227						

N

0 1.3 m 2.5 m 5.0 m

HAPA COLLABORATIVE

Landscape Architecture
Urban Design

403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6

604 909 4150
hapacobo.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McBRIDE
728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

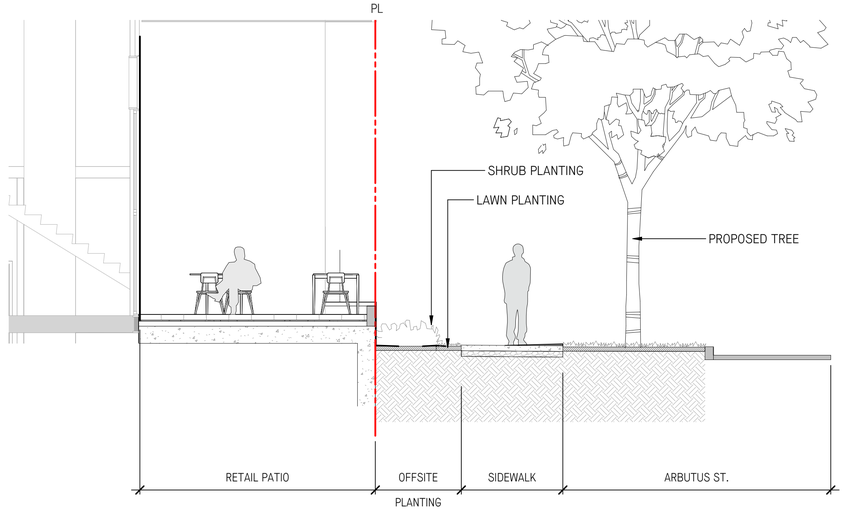
Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

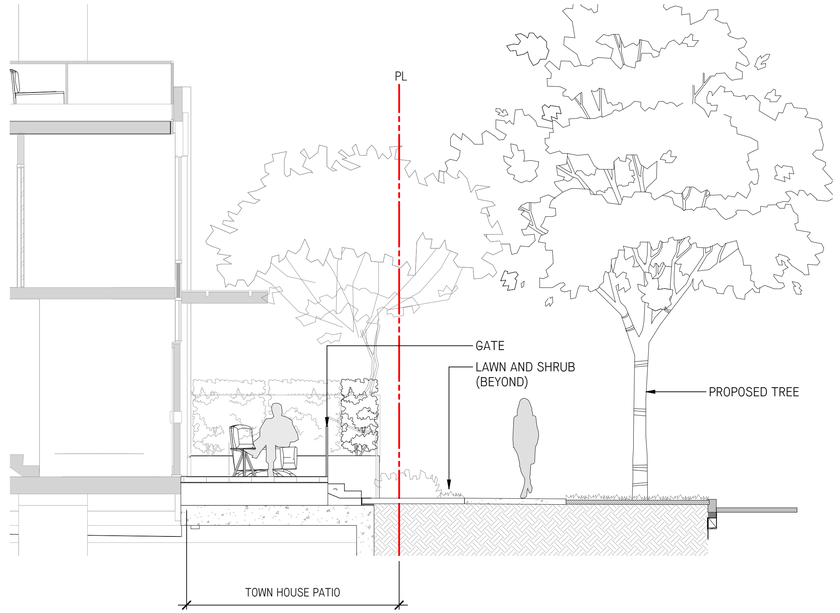
PLANTING PLAN AMENITY LEVEL

Date	08/05/26	Drawing Number
Project No.	2408	L4.03
Scale	1 : 100	
Drawn|Checked	YZ/FT| CM	

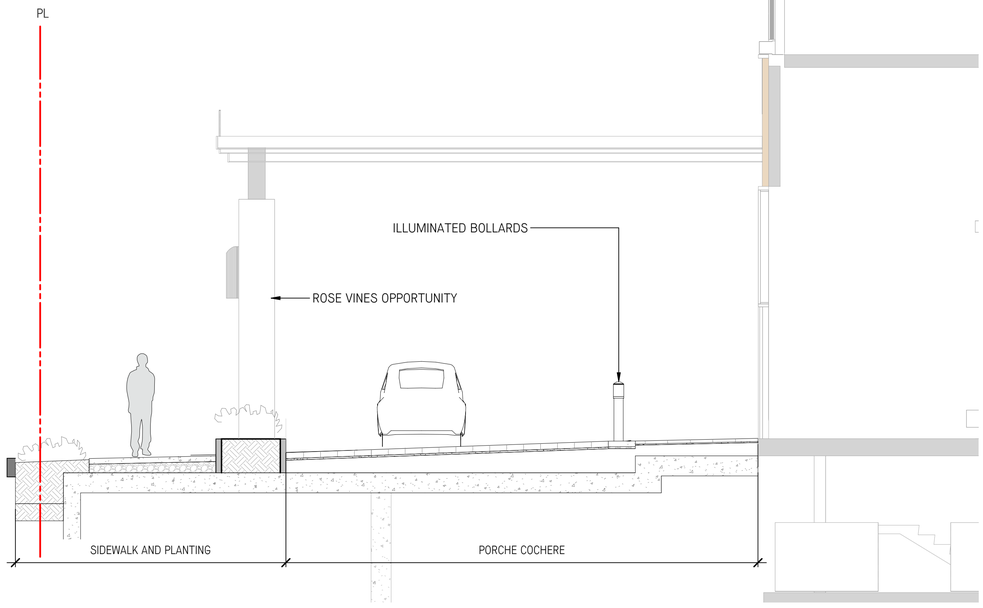
NOTE: SECTIONS ARE ILLUSTRATIVE AND TO SHOW DESIGN INTENT ONLY. NOT FOR CONSTRUCTION.



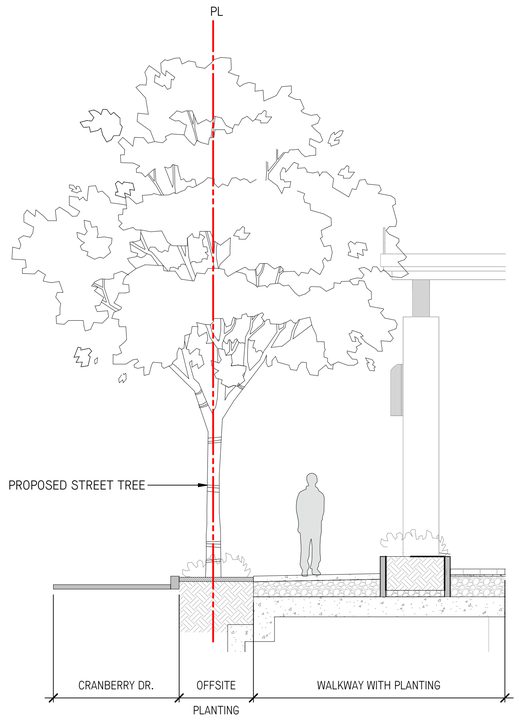
1 PATIO
1 : 50



2 TOWNHOME PATIO
1 : 50



3 DROP-OFF PORCHE COCHERE
1 : 50



4 METAL PLANTER AT EDGE
1 : 50

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
604.909.4150
hapacollab.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McCREE
728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

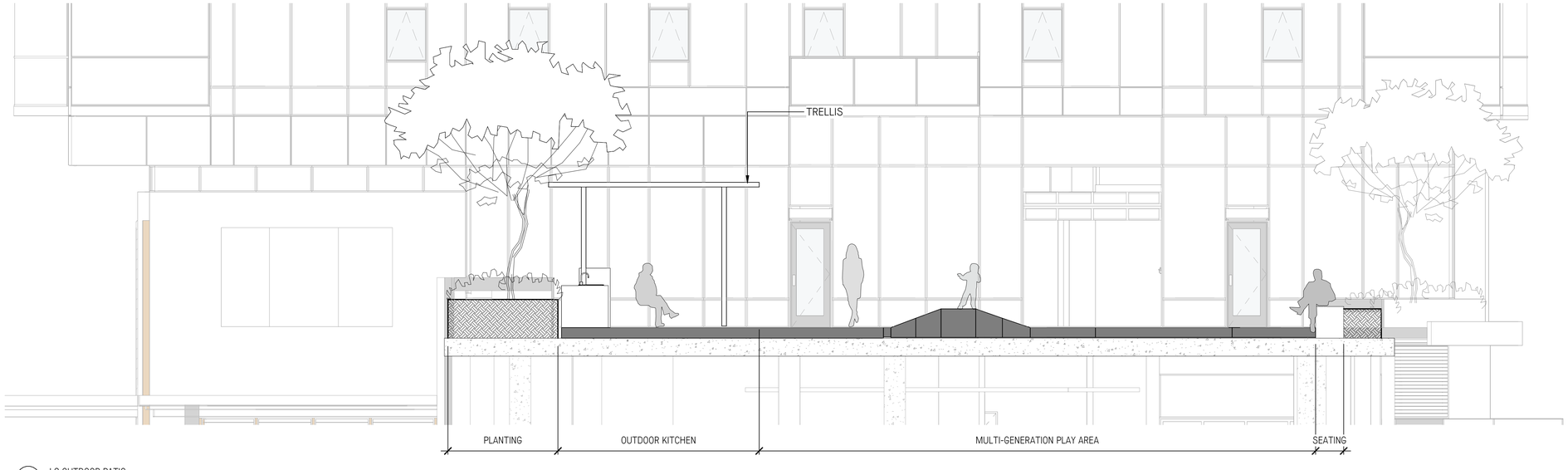
Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

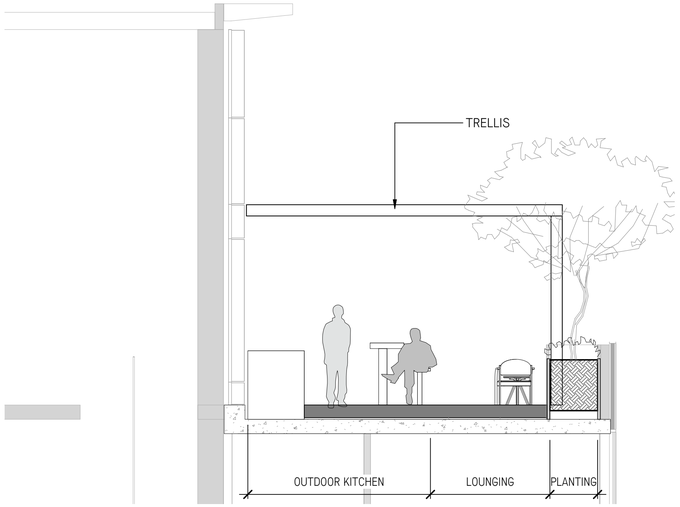
LANDSCAPE SECTIONS

Date	08/05/26	Drawing Number	
Project No.	2408		L7.01
Scale	1 : 50		
Drawn|Checked	YZ/FT|CM		

NOTE: SECTIONS ARE ILLUSTRATIVE AND TO SHOW DESIGN INTENT ONLY. NOT FOR CONSTRUCTION.



1 L2 OUTDOOR PATIO
1 : 50



2 AMENITY LEVEL
1 : 50

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6
604.909.4150
hapacollab.com

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McARDLE
728

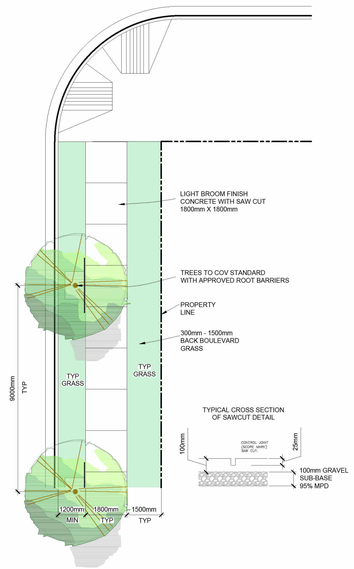
Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

LANDSCAPE SECTIONS

Date	08/05/26	Drawing Number
Project No.	2408	L7.02
Scale	1 : 50	
Drawn|Checked	YZ/FT|CM	



CITY OF VANCOUVER

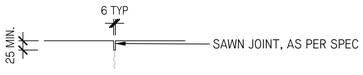
STREETSCAPE DESIGN DETAIL

STANDARD - RESIDENTIAL

SCALE: NTS
DATE: 2016-02-18
REV: 1.0
SDG-29

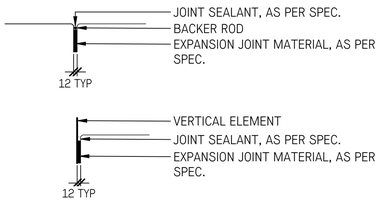
1 COV STANDARD SIDEWALK
1 : 10

NOTE:
WHERE DEPTH OF CIP CONCRETE EXCEEDS 100mm SAW CUT DEPTH TO BE MIN. 25 mm (1/4") THE DEPTH OF CONCRETE



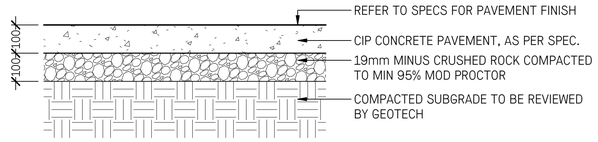
SAWCUT JOINT - TYPICAL
SCALE N.T.S.

2 CONTROL JOINTS
1 : 10

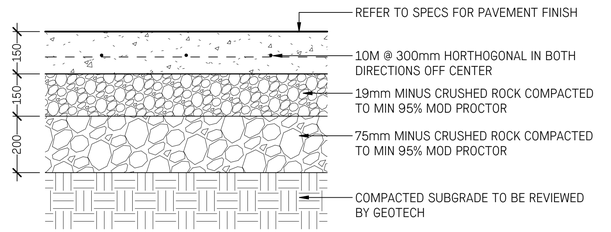


EXPANSION JOINT - TYPICAL
SCALE N.T.S.

3 EXPANSION JOINTS
1 : 10

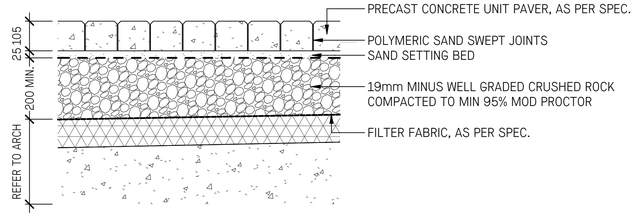


4 CIP CONCRETE PAVING ON GRADE PEDESTRIAN USE
1 : 10



6 CIP CONCRETE PAVING ON GRADE VEHICULAR USE
1 : 10

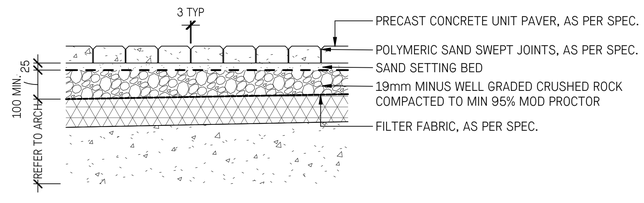
NOTES:
1. DO NOT CUT PAVERS TO MEET DIMENSIONS ON PLAN. CONFIRM WITH LANDSCAPE ARCHITECT IN FIELD
2. REFER TO SPECIFICATIONS FOR PAVER INSTALLER QUALIFICATIONS



OPTION 1 - PRECAST CONCRETE UNIT PAVING ON STRUCTURE - VEHICULAR

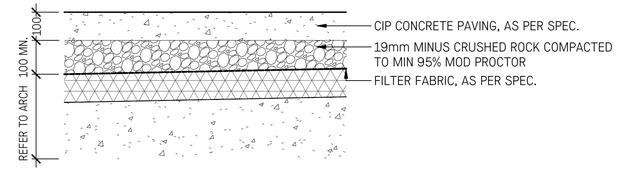
8 ON-SITE HARDCAPE PAVING TYPE 1
1 : 10

NOTES:
1. DO NOT CUT PAVERS TO MEET DIMENSIONS ON PLAN. CONFIRM WITH LANDSCAPE ARCHITECT IN FIELD
2. REFER TO SPECIFICATIONS FOR PAVER INSTALLER QUALIFICATIONS

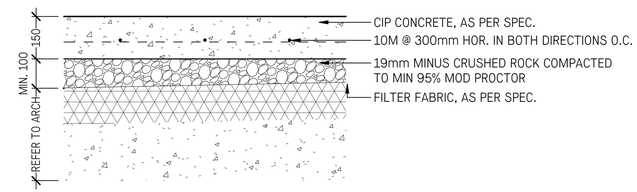


OPTION 1 - PRECAST CONCRETE UNIT PAVING ON STRUCTURE - PEDESTRIAN

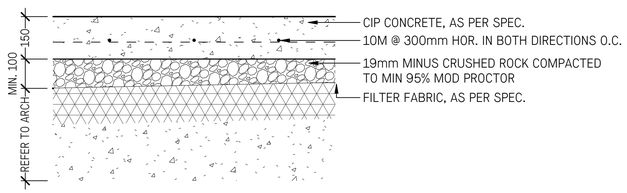
9 ON-SITE HARDSCAPE PAVING TYPE 2
1 : 10



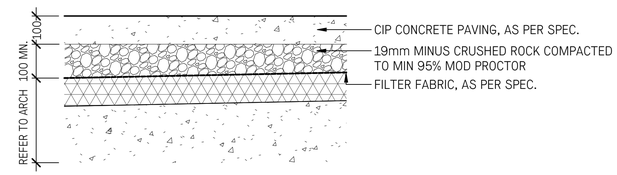
5 CIP CONCRETE PAVING ON SLAB PEDESTRIAN USE
1 : 10



7 CIP CONCRETE PAVING ON SLAB VEHICULAR USE
1 : 10



OPTION 2 - CIP CONCRETE PAVING ON STRUCTURE - VEHICULAR



OPTION 2 - CIP CONCRETE PAVING ON STRUCTURE - PEDESTRIAN

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
604.909.4150
hapacollab.com
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS CARLSEN
728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

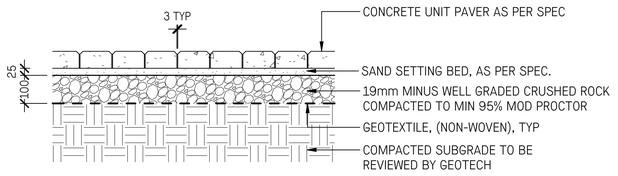
Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

PAVING DETAILS

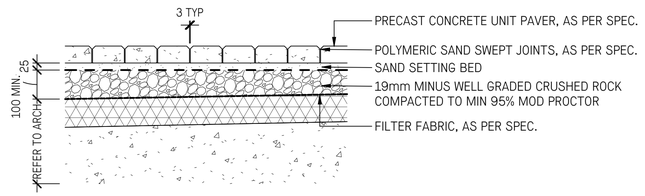
Date	25/10/28	Drawing Number	
Project No.	2408		L8.01
Scale	1 : 10		
Drawn|Checked	YZ/FT| CM		

NOTES:
1. DO NOT CUT PAVERS TO MEET DIMENSIONS ON PLAN. CONFIRM WITH LANDSCAPE ARCHITECT IN FIELD
2. REFER TO SPECIFICATIONS FOR PAVER INSTALLER QUALIFICATIONS

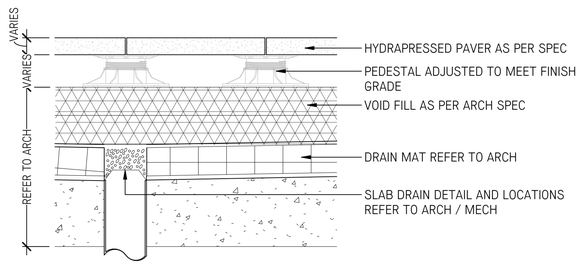


1 CONCRETE UNIT PAVING ON GRADE - PEDESTRIAN
1 : 10

NOTES:
1. DO NOT CUT PAVERS TO MEET DIMENSIONS ON PLAN. CONFIRM WITH LANDSCAPE ARCHITECT IN FIELD
2. REFER TO SPECIFICATIONS FOR PAVER INSTALLER QUALIFICATIONS

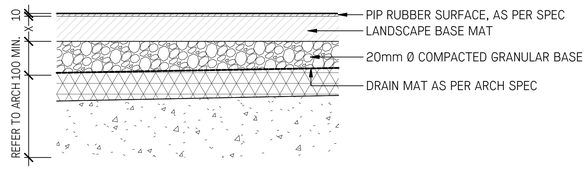


2 PRECAST CONCRETE PAVER ON STRUCTURE
1 : 10

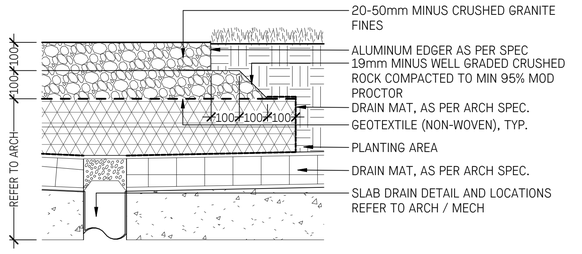


3 CONCRETE UNIT PAVING ON PEDESTAL DRAIN CONDITION
1 : 10

NOTES:
1. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS
2. THICKNESS OF PIP RUBBER SURFACING IS BASED UPON MAXIMUM FALL HEIGHT OF PLAY EQUIPMENT.
3. CONTRACTOR TO SUBMIT COLOURS FOR APPROVAL



4 RUBBER PLAY SURFACE ON STRUCTURE
1 : 10



5 CRUSHED GRANITE ON STRUCTURE EDGE CONDITION
1 : 10

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
604.909.4150
hapacollab.com
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McBRIDE
728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

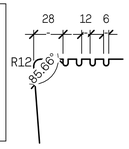
Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

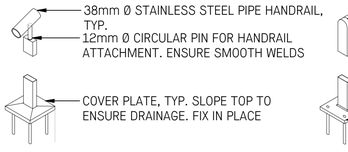
PAVING DETAILS

Date	25/10/28	Drawing Number
Project No.	2408	L8.02
Scale	1 : 10	
Drawn|Checked	YZ/FT| CM	

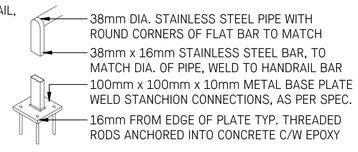
NOTES:
1. REFER TO GRADING PLAN FOR STAIR ELEVATIONS AND HANDRAIL LENGTHS
2. SPACE STANCHIONS EQUALLY, TO GREATEST EXTENT POSSIBLE
3. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION
4. TYPICAL MATERIAL: STAINLESS STEEL WITH SATIN FINISH
5. GRIND ALL CUT/WELDED SURFACES TO SMOOTH UNIFORM FINISH
6. BLEND ALL SEAMS
7. PROVIDE DRAWINGS STAMPED BY ENGINEER LICENSED IN BRITISH COLUMBIA



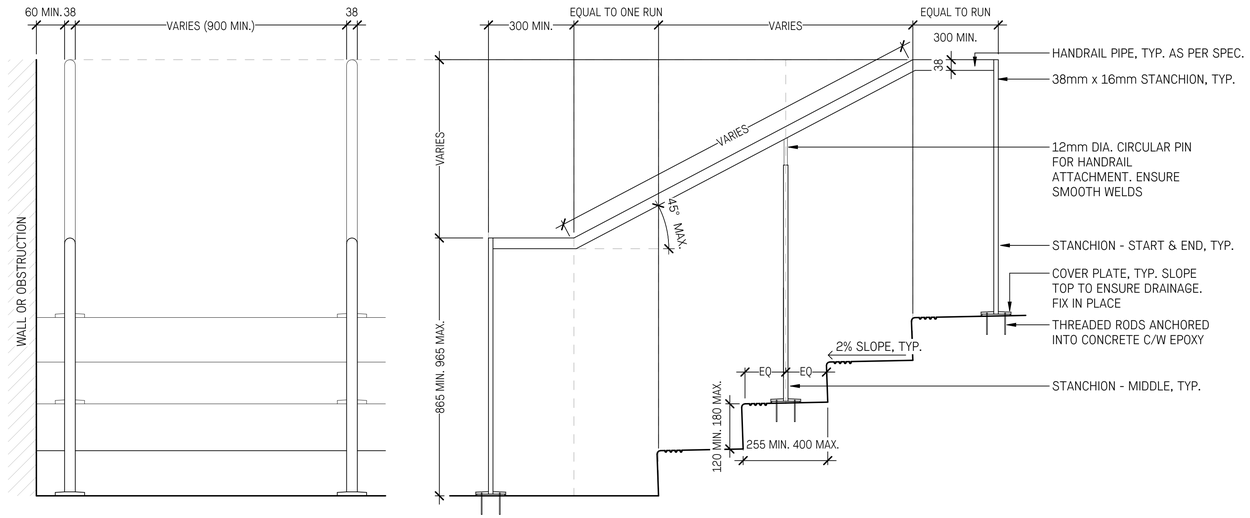
NOSING DETAIL



STANCHION DETAIL - MIDDLE, SHOWN WITH COVER

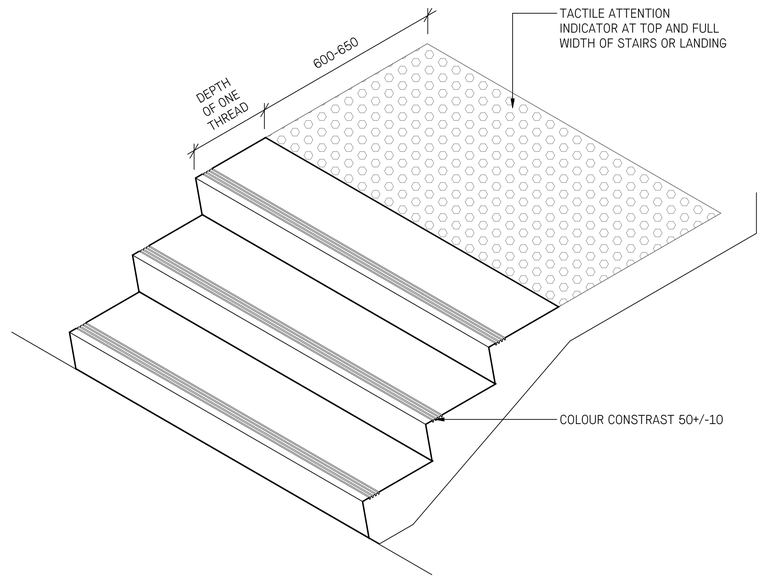


STANCHION DETAIL - START & END, SHOWN WITHOUT COVER

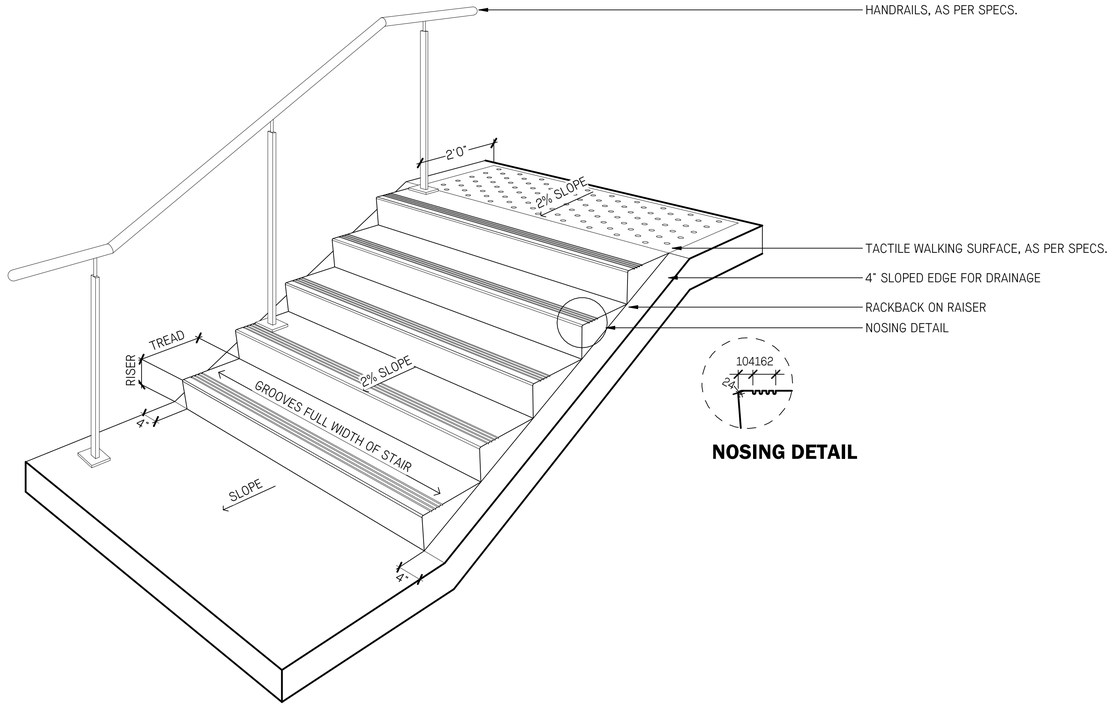


1 STAIR HANDRAIL
1 : 10

NOTE: TACTILE WALKING SURFACE INDICATORS SHOULD BE COMPLAIANT WITH CSA B651



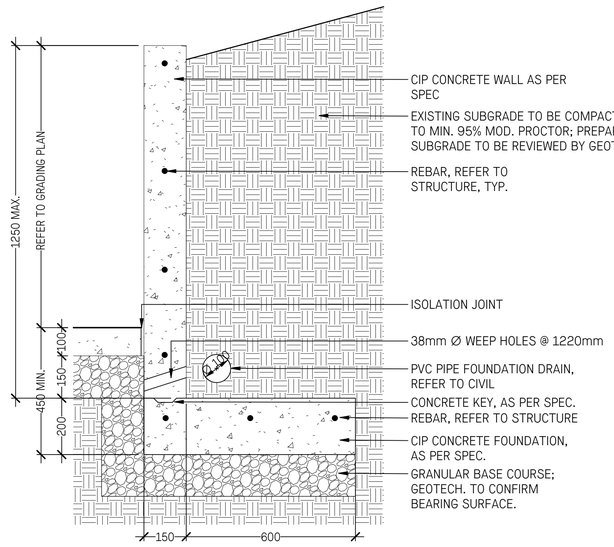
2 TACTILE WARNING
1 : 10



NOSING DETAIL

3 STAIR PERSPECTIVE
1 : 20

NOTE: DO NOT BACKFILL UNTIL CONCRETE HAS REACHED 28 DAY STRENGTH



4 CIP CONCRETE RETAINING WALL
1 : 10

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
604.909.4150
hapacollab.com
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McCREE
728

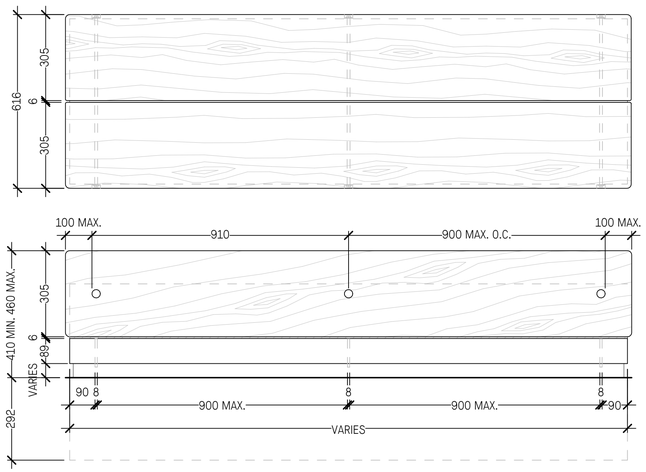
Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

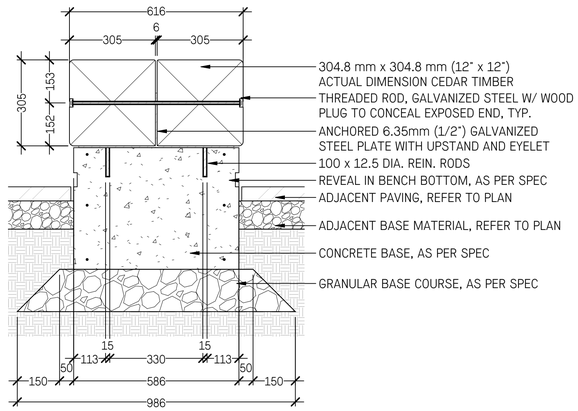
Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

STAIRS AND WALL DETAILS

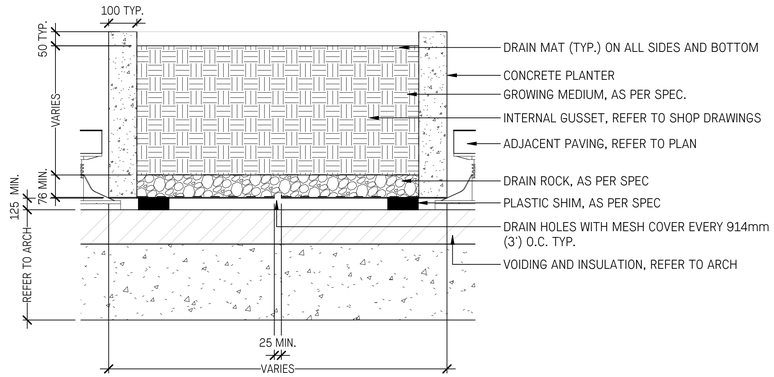
Date	25/10/28	Drawing Number	
Project No.	2408		L8.03
Scale	As indicated		
Drawn|Checked	YZ/FT|CM		





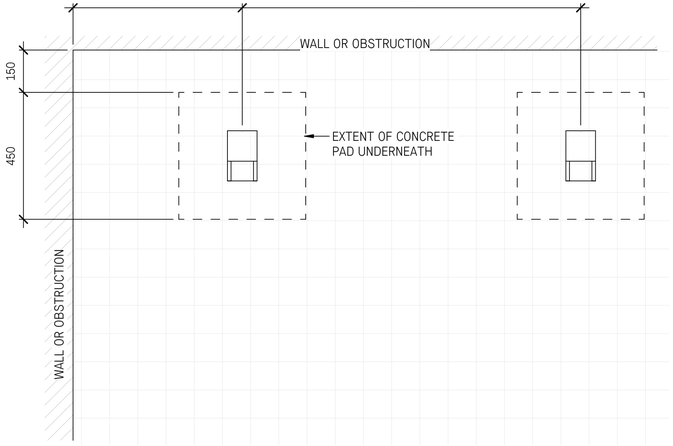
1 TIMBER BENCH
1 : 10

NOTES:
1. CONTRACTOR TO CONFIRM DIMENSIONS ON SITE PRIOR TO FABRICATION
2. ALL PLANTERS TO BE 150mm THICK CONCRETE. REFER TO SPECIFICATIONS FOR MATERIALS & SUGGESTED SUPPLIERS
3. ALL PREFAB PLANTERS TO BE DRILLED FOR DRAINAGE AND IRRIGATION



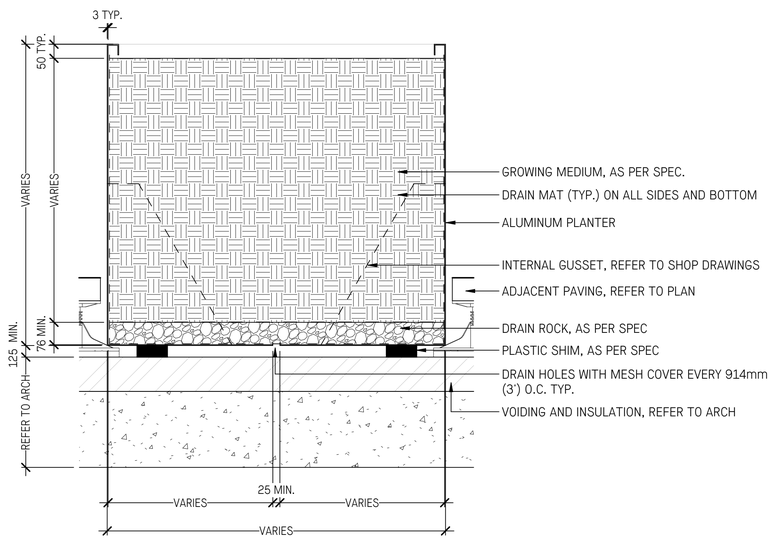
2 CONCRETE PLANTER
1 : 10

NOTES:
1. PROVIDE PRODUCT SHEET / SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION
2. REFER TO LAYOUT PLANS FOR LOCATIONS



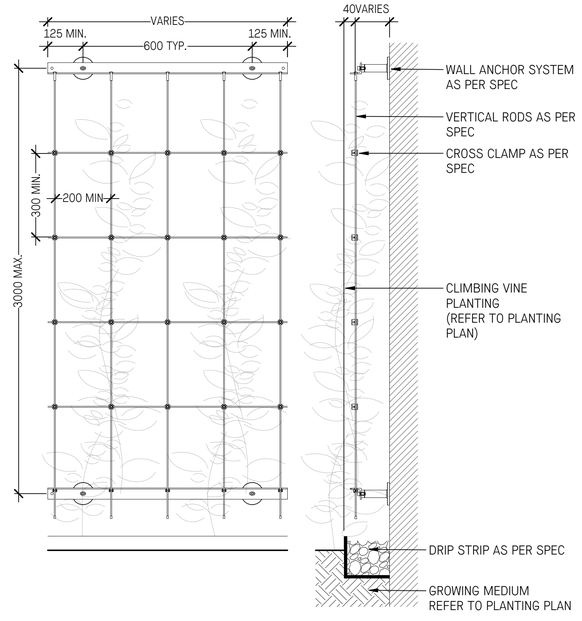
3 BIKE RACK
1 : 10

NOTES:
1. CONTRACTOR TO CONFIRM DIMENSIONS ON SITE PRIOR TO FABRICATION
2. ALL PLANTERS TO BE 3mm (1/8") THICK PLATE SHELL, POWDER COATED COLOURS TO BE SUBMITTED TO LANDSCAPE ARCHITECT FOR APPROVAL. REFER TO SPECIFICATIONS FOR MATERIALS & SUGGESTED SUPPLIERS
3. ALL PREFAB PLANTERS TO BE DRILLED FOR DRAINAGE AND IRRIGATION



4 METAL PLANTER
1 : 10

NOTES:
1. CONTRACTOR TO SUBMIT SHOP DRAWINGS FOR REVIEW
2. CABLE TRELLIS SYSTEM TO BE JAKOB WIRE 'GREEN TRELLIS' AS SUPPLIED BY ARCHITEK, OR APPORVED EQUAL



5 GREEN WALL
1 : 10

HAPA COLLABORATIVE
Landscape Architecture
Urban Design
604.909.4150
hapacollab.com
403 - 375 West Fifth Avenue
Vancouver BC, V5Y 1J6

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS
REGISTERED MEMBER
CHRIS McCREERY
728

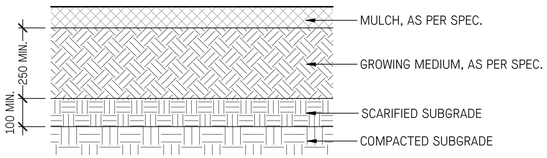
Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

Arbutus and 10th Ave

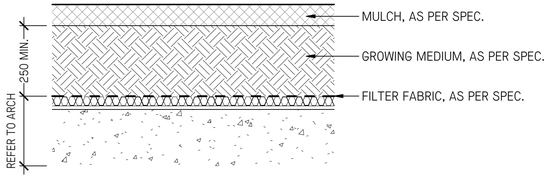
2150 W 10th Ave, Vancouver, BC V6K 4V5

SITE FURNISHINGS

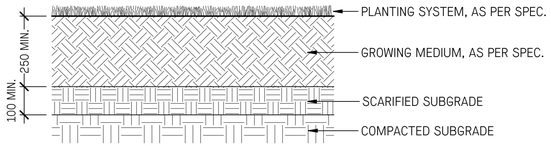
Date	25/10/28	Drawing Number	L8.04
Project No.	2408		
Scale	1 : 10		
Drawn|Checked	YZ/FT| CM		



1 SOIL PROFILE GROUNDCOVER ON GRADE
1 : 10



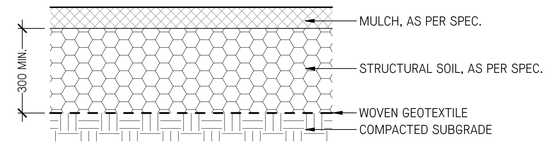
2 SOIL PROFILE GROUNDCOVER ON STRUCTURE
1 : 10



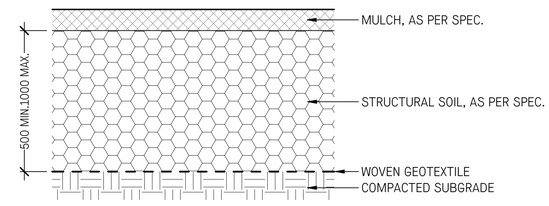
3 GRASS SEEDING ON GRADE
1 : 10

PLANTING NOTES:

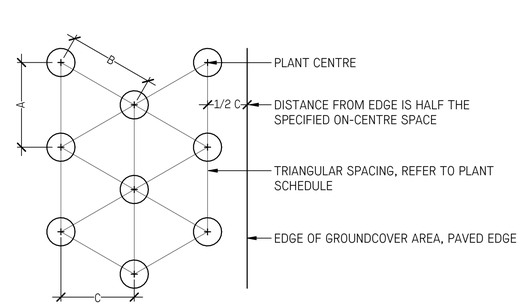
1. REMOVE ALL DEBRIS AND CONTAMINATED SOIL FROM PLANTING BEDS PRIOR TO PLANTING
2. BASE OF THE ROOTBALL SHOULD BE 3X WIDER THAN THE ROOTBALL
3. TOP 1/3 OF ALL ROOTBALL PACKING AND WIRE TO BE CUT AND REMOVED
4. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT
5. TREE STAKES TO BE REMOVED AFTER ONE FULL YEAR FROM TIME OF SUBSTANTIAL COMPLETION
6. WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT
7. SET TOP OF ROOTBALL 50mm (2') ABOVE GRADE
8. WATER AT TIME OF PLANTING AS NECESSARY TO MAINTAIN HEALTHY GROWING CONDITIONS
9. DO NOT HEAVY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED. DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN

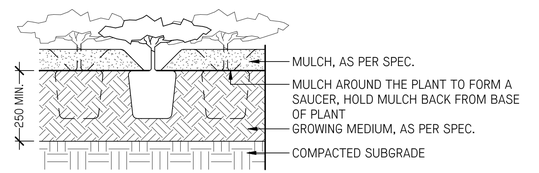


4 STRUCTURAL SOIL GROUNDCOVER ON GRADE
1 : 10

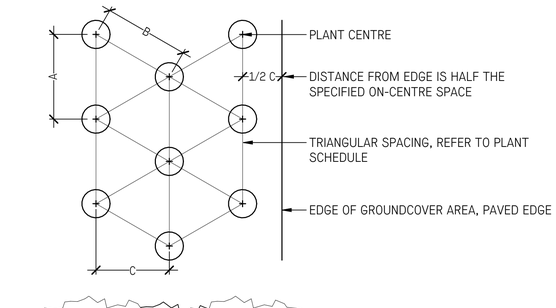


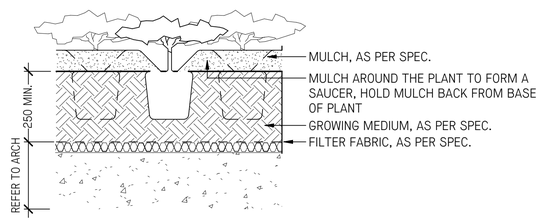
5 STRUCTURAL SOIL SHRUB / TREE USE ON GRADE
1 : 10



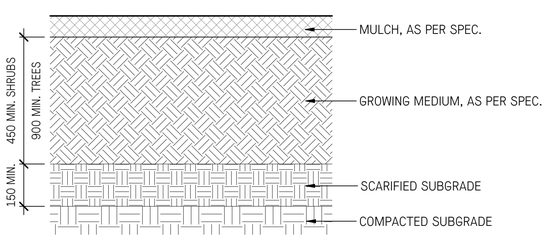


8 GROUNDCOVER ON GRADE
1 : 10

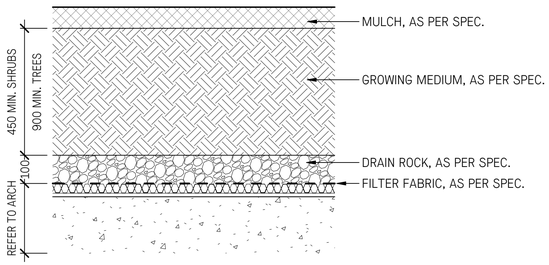




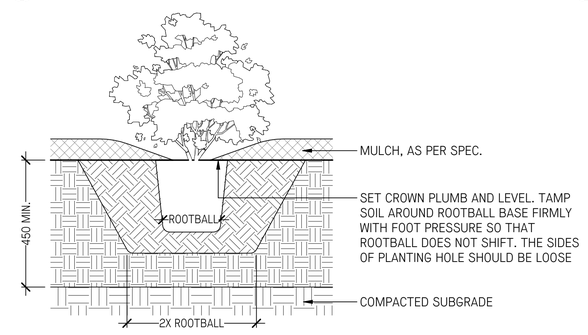
9 GROUNDCOVER ON STRUCTURE
1 : 10



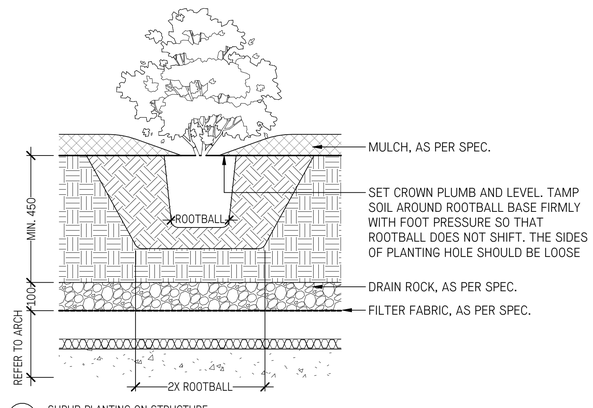
6 SOIL PROFILE SHRUB / TREE USE ON GRADE
1 : 10



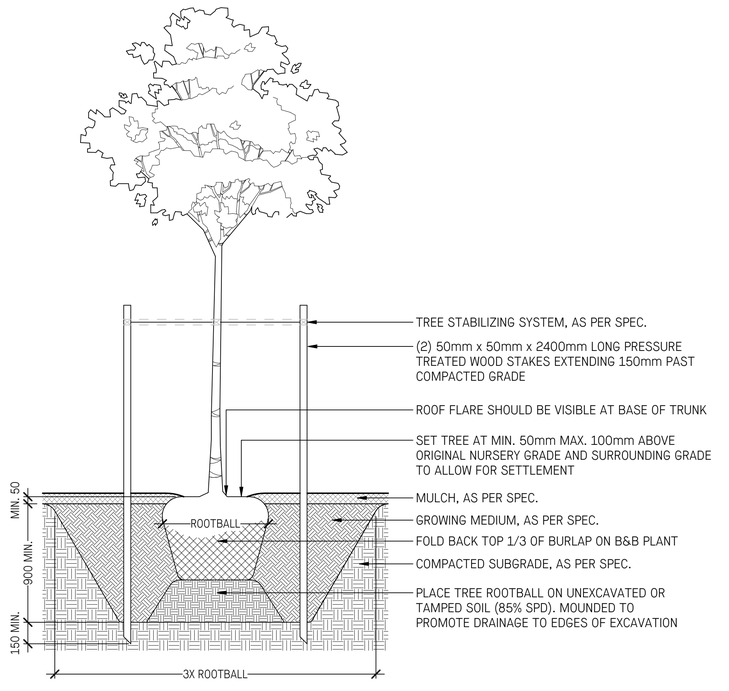
7 SOIL PROFILE SHRUB / TREE ON STRUCTURE
1 : 10



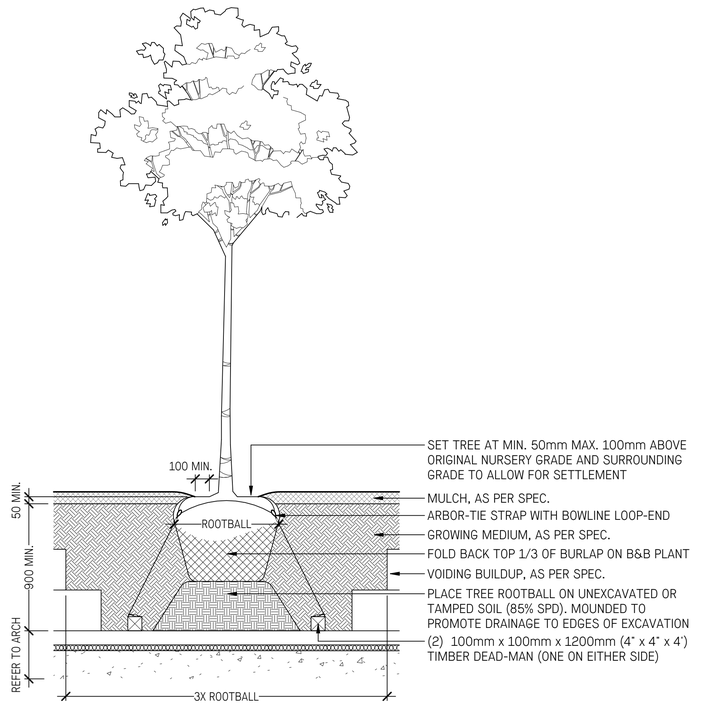
10 SHRUB PLANTING ON GRADE
1 : 10



11 SHRUB PLANTING ON STRUCTURE
1 : 10



12 TREE PLANTING ON GRADE
1 : 20



13 TREE PLANTING ON STRUCTURE
1 : 20

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

No.	Description	Date
1	Issued for DP	Sep 2/26

BRITISH COLUMBIA SOCIETY OF LANDSCAPE ARCHITECTS — REGISTERED MEMBER — CHRIS CARLSON — 728

Copyright Reserved. This drawing is and remains at all times the exclusive property of Hapa Collaborative and cannot be used modified or copied without the expressed written consent of the landscape architect.

Arbutus and 10th Ave

2150 W 10th Ave, Vancouver, BC V6K 4V5

PLANTING DETAILS

Date	25/10/28	Drawing Number	L8.05
Project No.	2408		
Scale	As indicated		
Drawn|Checked	RC | CM		