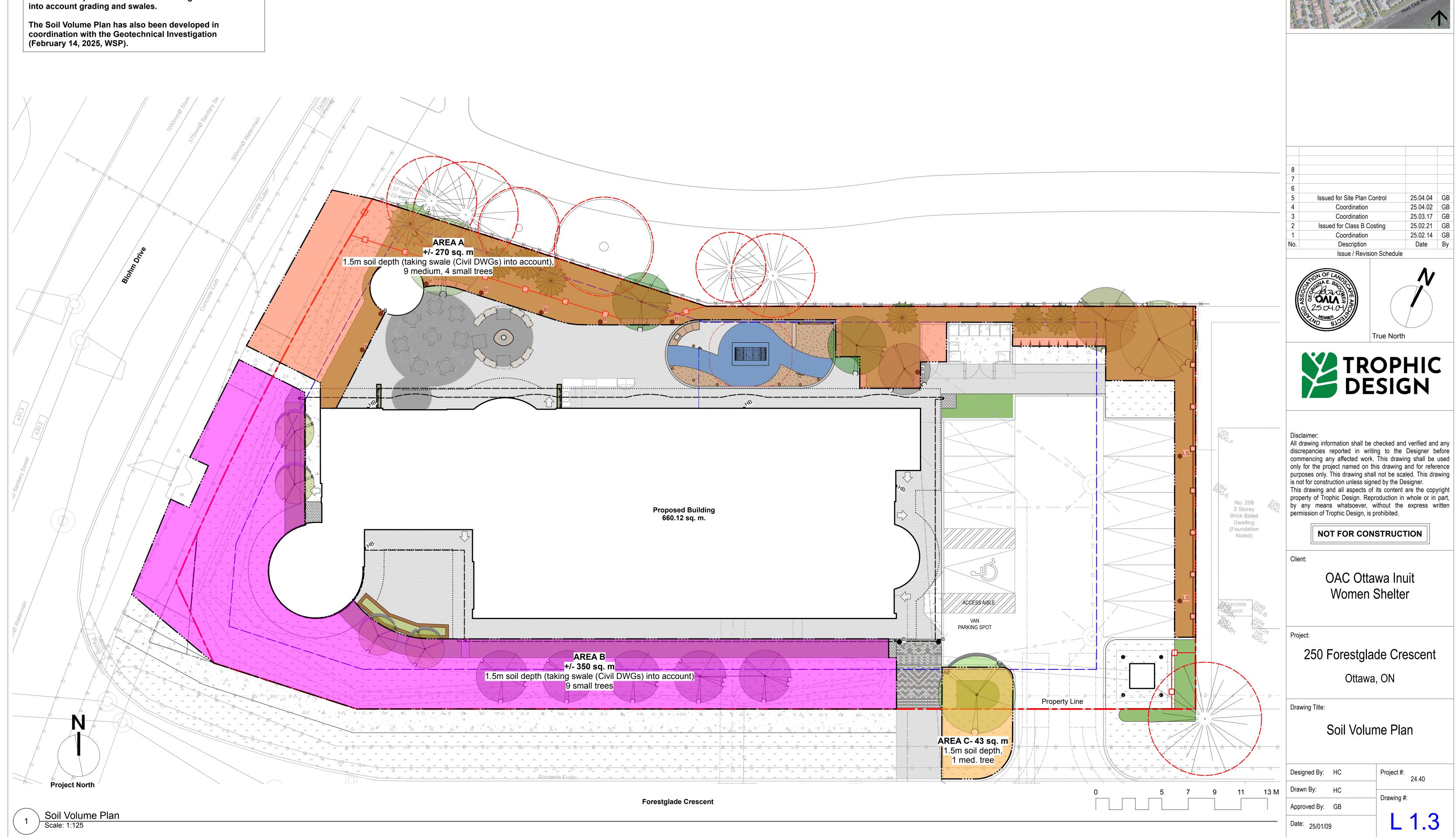
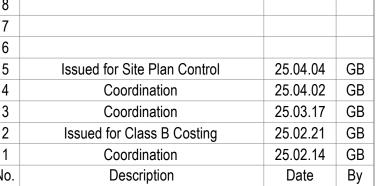
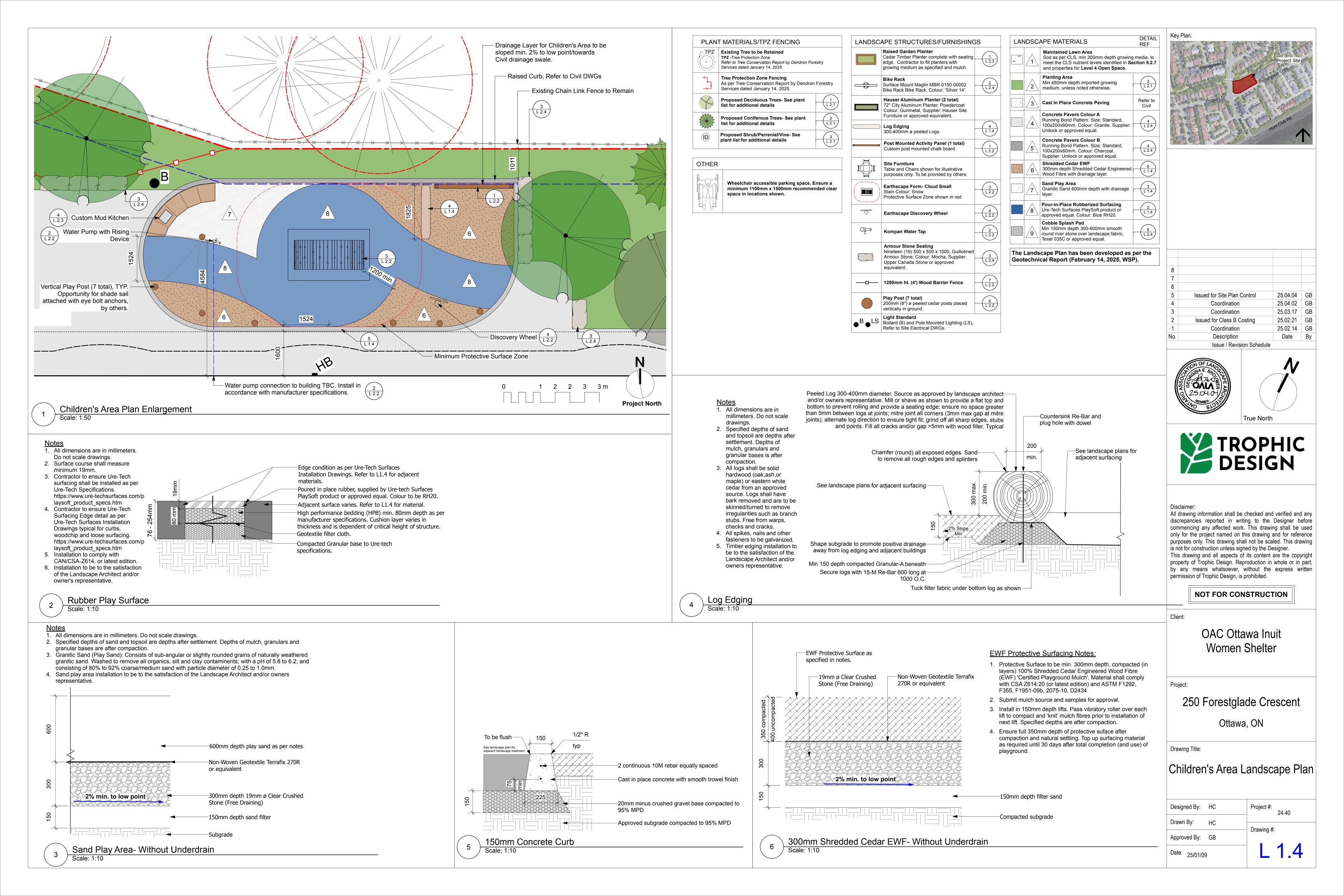


As per the City of Ottawa Guidelines (2017) for Tree Planting in Sensitive Marine Clay Soils, small size trees must be provided with a minimum of 25 sq. m. of availible storage volume and a medium size tree must be provided with a minimum of 30 sq. m. of availible soil volume, as determined by the Landscape Architect. Developer is to ensure the soil is generally uncompacted when backfilling street tree planting locations. Soil volume calculations are based on a depth of 1.5m below finished grade and takes









GENERAL LANDSCAPE NOTES

branches, suckers and co-dominant leaders.

- 1. All planting and associated landscape work shall comply with the **Canadian Society of Landscape Architects Canadian Landscape Standard**, latest edition.
- All nursery stock shall comply with the Canadian Nursery Landscape Association Canadian Nursery Landscape Association Canadian Nursery Standard, latest edition.
- Landscape work shall be carried out by experienced professionals with a minimum 5 years proven experience.
- The Contractor shall notify the Landscape Architect for review and approval of layout. Work that has been installed without layout approval that requires adjustment will be corrected at the Contractor's expense. The Landscape Architect reserves the right to adjust layout based on site conditions. Layout shall adhere to all authority clearances and setbacks. Trees shall not be directly over or under utilities.
- The Landscape Architect may reject any work, whether installed or not, that does not confirm to specifications.
- The Contractor shall notify the Landscape Architect upon completion of work to arrange for substantial performance inspection and approval. Inspection shall be carried out during the leaf-on growing season.
- Plant material shall have nursery labels intact and trunk wrap and ties removed for substantial performance review. The Contractor shall remove all labels, tags and ties following substantial
- Corrective pruning shall be completed by the Contractor in accordance with ISA Best Management Practice Pruning Standard prior to inspection and include the removal of dead or broken
- Any leaning plant material shall be corrected by the Contractor prior to inspections.
- 10. The Contractor shall carry out maintenance of all work immediately following installation until the end of the warranty period. Maintenance shall include all measures necessary to establish and maintain all plants and associated landscape work in an acceptable, vigorous and healthy condition including rodent protection, cultivating, weeding, watering, pruning and maintenance of all accessories.
- 11. The Contractor shall notify the Landscape Architect at the end of the warranty period to arrange for final completion inspection. Inspection shall be carried out during the leaf-on growing season. The Contractor shall remove all staking prior to inspection for final completion if plant material is stable. Staking shall be left in place for removal by the Owner if plant material is not stable. At the time of final inspection all planting beds and tree pits shall be freshly cultivated, free of weeds, leaves, broken branches or debris.
- 12. Any work that is not in satisfactory condition or does not meet the specifications shall be replaced within two (2) weeks of notification at the Contractor's expense. Replacement work shall include warranty equal to the original installation.

GROWING MEDIA

- All subsoil shall be scarified to be the specified depth prior to the installation of growing media. Growing media shall be mixed in to the scarified subsoil interface.
- On-site (preserved) soil to be used as growing media should be tested by the Owner's consultant for recommendations to be included in the Contractor's scope of work.
- The Contractor shall provide origin documentation for approval for all imported growing media. Imported growing media shall be tested by a reputable laboratory at the expense of the Contractor or Owner. The results of the soil test and recommendations are to be provided to the Landscape Architect for approval one week prior to work commencing. If necessary, recommendations from the laboratory are to be implemented at the Contractor's expense.
- Growing media shall not contain any extraneous physical or chemical properties that may detract from supporting plant growth, no subsoil contamination, roots or stones over 50mm diameter.
- Growing media depths shall be noted on the drawings and details. Growing media shall be installed in lifts and compacted to be firm under foot.
- Growing media shall meet Canadian Landscape Standard nutrient levels identified in Section 5.2.7 and properties for Level 3 Moderate
- Growing media properties shall be adjusted to meet requirements for L low traffic lawn areas, trees and large shrubs; H high traffic lawn areas; and P planting areas.

PLANT MATERIAL

- Contractor shall verify all plant material on drawing(s) and plant material list(s) and report any discrepancies during the bidding process.
- 2. All plants shall be healthy, vigorous, and free of disease, insect pests, and invasive or noxious plant species. All plant parts shall be free from defects, decay, disfigurements and injury.
- There shall be no substitutions of plants without prior written approval from the Landscape Architect.
- 4. The Landscape Architect reserves the right to reject plant material after installation and throughout the warranty period.

<u>PLANTING</u>

- Planting shall only be carried out during periods that are normal for such work as determined by local weather conditions, when seasonal conditions are likely to provide successful adaptation of plants in their new environment.
- Plants shall be well watered prior to being planted.
- Where poor drainage or percolation is suspected or observed, the Contractor shall report it to the Landscape Architect and rectify the condition prior to planting.
- Plants shall be stabilized using methods such that the crown of each tree is permitted free movement but normal forces will not shift the rootball in the growing medium. All tree stabilization methods shall be such that they do not damage the plants.

<u>MULCH</u>

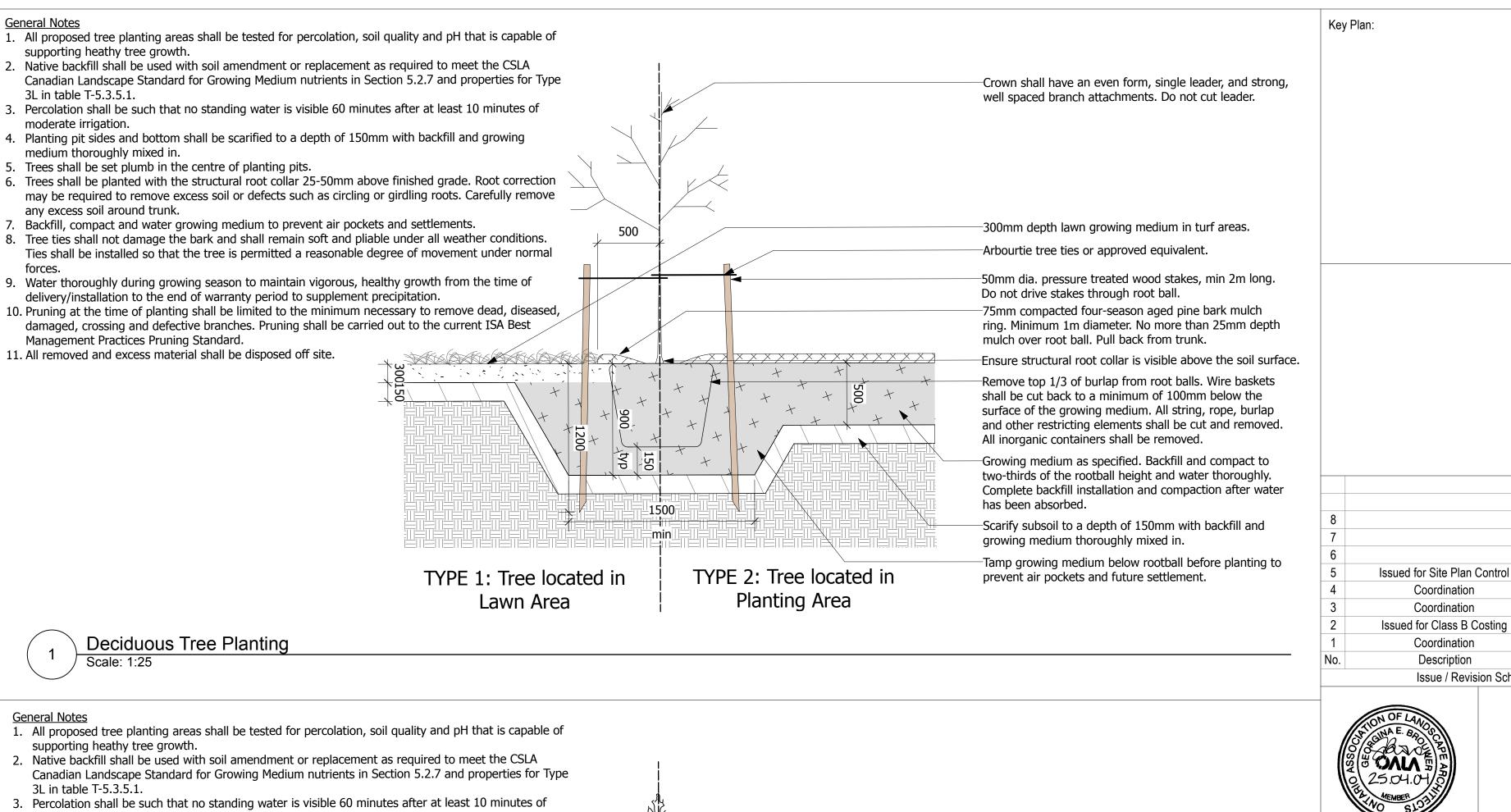
- Mulch shall be commercially prepared four-season aged pine bark. The Contractor shall submit a sample of mulch and source for approval prior to delivery.
- Mulch shall be free of debris, construction waste and hardwood chips.
- Mulch shall not be placed against trunks or on top of branches and foliage.

WATERING

- The Contractor shall water all plants and turf areas immediately after planting to the depth of their root systems.
- The Contractor shall carry out supplemental watering of all new plants for the first full growing season under warranty
- Watering shall supplement natural precipitation to ensure soil moisture content is maintained at 50 percent to 100 percent field capacity.
- A minimum frequency of once per month throughout the growing season is required. Apply water to the root area, around the trunk/stem and within the dripline to saturate the soil to a minimum of 500mm.
- The Contractor shall water all coniferous trees in late fall, prior to freeze-up.
- Watering bags may be used for trees. 20 gallon drip watering bags shall be installed at the base of each tree with no mulch between the bag and the trunk. The Contractor shall monitor bags
- and tree trunks for damage and repair/replace as required. Watering bags shall be removed during winter and at the end of the warranty period.
- If no automated irrigation system or on-site hose bib has been provided for watering operations, the Contractor shall provide water to the site. Watering operations shall not disturb or wash away mulch, soil or turf.
- The Contractor shall monitor new plantings for signs of drought.

<u>SOD</u>

- Sod all be designated and disturbed areas.
- Sod shall be certified Number One Grade Natural Grass Nursery Sod *Kentucky Bluegrass/Fine Fescue Mix*, grown and sold in accordance with the Nursey Sod Growers Association of
- Approval of site preparation shall be obtained prior to commencement of sod placement.
- Fertilizer shall be applied as identified by growing medium test results.
- Sodding shall be carried out during periods when seasonal conditions provide sucessful rooting and continued growth. All sodding shall be conducted when growing media is free of frost, snow and standing water.
- Sod shall be pegged where required to provide secure anchorage. Pegs shall be removed before pedestrian traffic is permitted and after turf is well rooted.
- The Contractor shall install temporary barricades and signage to protect newly sodded areas from damage from pedestrian and vehicular traffic.
- Upon installation the Contractor shall water the sod to saturate the sod and upper 100mm of topsoil. After the sod and soil have dried sufficiently to prevent damage, it shall be rolled.
- The Contractor shall water sodded areas in sufficent quantities and at frequency required to maintain optimum soil moisture to a depth of 100mm until rooted and at weekly intervals during
- 10. The Contractor shall be responsible for mowing the sod areas at least once to a height of 50mm when or before it reaches a height of 75mm. The last mowing shall be within 48 hours of field review for acceptance.
- 11. Sod shall be sufficiently established so that its roots are growing into the underlying growing medium with no visible seams and free of weeds for acceptance.



TYPE 2: Tree located in

Planting Area

1500

∐min∏



Coordination

Coordination

Coordination

Description

Issue / Revision Schedule



25.04.04 GB

25.04.02 GB

25.03.17 GB

25.02.14 GB

Date By

25.02.21

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NOT FOR CONSTRUCTION

Client:

-300mm depth lawn growing medium in turf areas.

-50mm dia. pressure treated wood stakes, min 2m long.

-75mm compacted four-season aged pine bark mulch

ring. Minimum 1m diameter. No more than 25mm depth

-Ensure structural root collar is visible above the soil surface.

Remove top 1/3 of burlap from root balls. Wire baskets shall be cut back to a minimum of 100mm below the

surface of the growing medium. All string, rope, burlap

-Growing medium as specifed. Backfill and compact to

two-thirds of the rootball height and water thoroughly.

-Scarify subsoil to a depth of 150mm with backfill and

Complete backfill installation and compaction after water

-Tamp growing medium below rootball before planting to

and other restricting elements shall be cut and removed.

-Arbourtie tree ties or approved equivalent.

mulch over root ball. Pull back from trunk.

All inorganic containers shall be removed.

growing medium thoroughly mixed in.

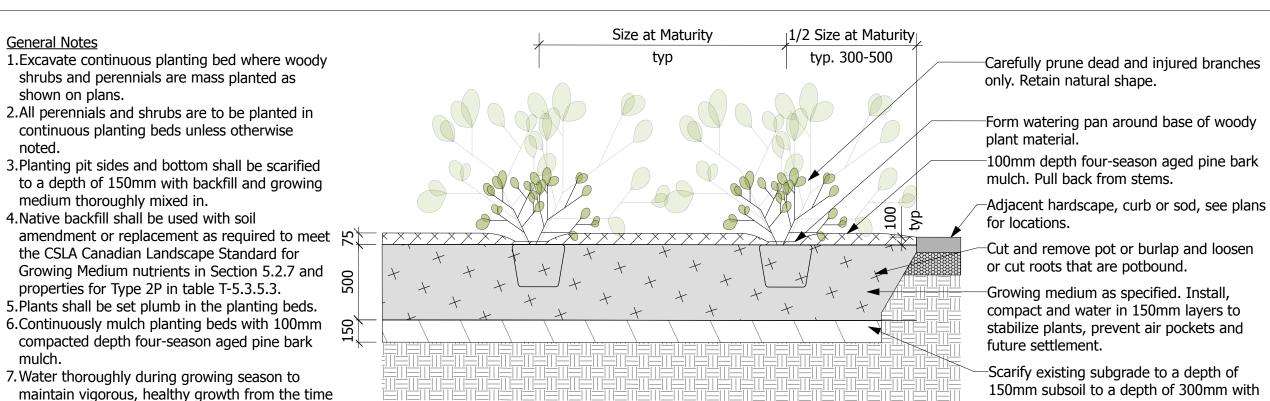
prevent air pockets and future settlement.

has been absorbed.

backfill and growing medium thoroughly

Do not drive stakes through root ball.

OAC Ottawa Inuit Women Shelter



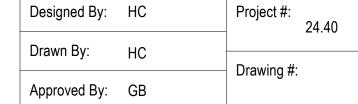
TYPE 1: Tree located in

Lawn Area

Project: 250 Forestglade Crescent Ottawa, ON

Drawing Title:

Landscape Details



Date: 25/01/09

Shrub Planting Scale: 1:25

period to supplement precipitation.

of delivery/installation to the end of warranty

moderate irrigation.

medium thoroughly mixed in.

any excess soil around trunk.

Management Practices Pruning Standard.

11. All removed and excess material shall be disposed off site.

Coniferous Tree Detail

Scale: 1:25

5. Trees shall be set plumb in the centre of planting pits.

4. Planting pit sides and bottom shall be scarified to a depth of 150mm with backfill and growing

7. Backfill, compact and water growing medium to prevent air pockets and settlements.

delivery/installation to the end of warranty period to supplement precipitation.

6. Trees shall be planted with the structural root collar 25-50mm above finished grade. Root correction

Tree ties shall not damage the bark and shall remain soft and pliable under all weather conditi

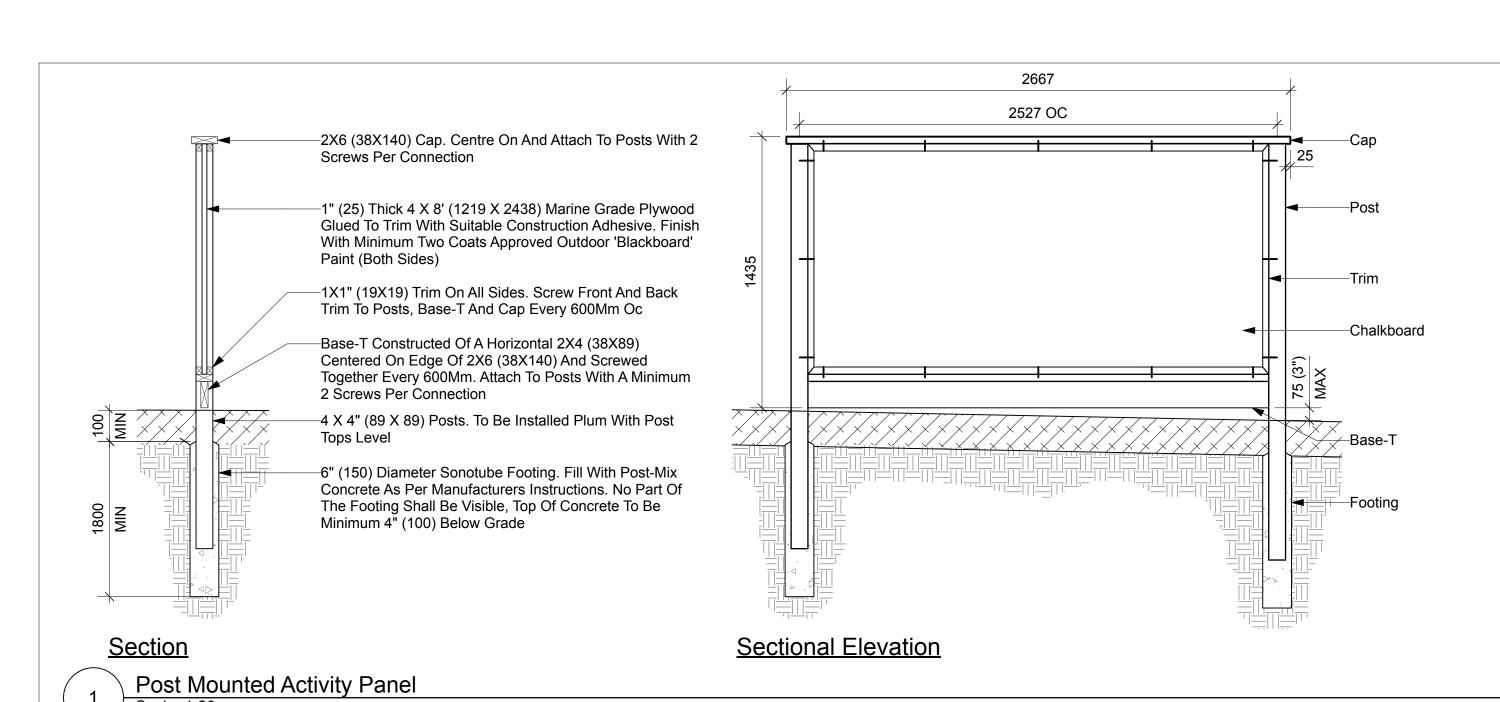
9. Water thoroughly during growing season to maintain vigorous, healthy growth from the time of

10. Pruning at the time of planting shall be limited to the minimum necessary to remove dead, diseased,

damaged, crossing and defective branches. Pruning shall be carried out to the current ISA Best

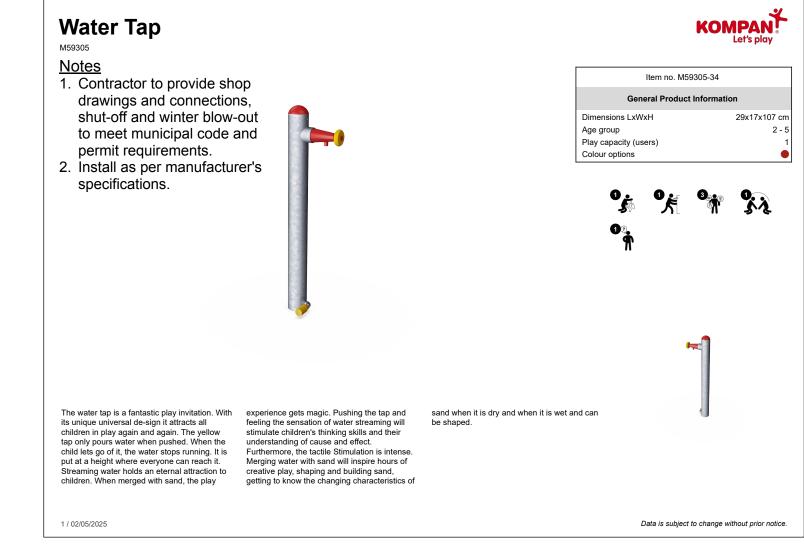
may be required to remove excess soil or defects such as circling or girdling roots. Carefully remove

Ties shall be installed so that the tree is permitted a reasonable degree of movement under normal



Notes:

- 1. All Dimensions Are In Millimeters. Do Not Scale Drawing.
- 2. All Bolts, Nails, Screws And Other Fasteners To Be Galvanized. Size Appropriately And Countersink At Surface. Fill All Screw Holes With Exterior Grade Wood Filler
- 3. All Wood To Be Eastern White Cedar Or Hemlock, Unless Specified Otherwise Free From Warps, Checks, Cracks And Splinters
- 4. All Exposed Wood Surfaces To Be Finished With Two Coats Clear Protective Wood Stain Or Sealer.
- 5. All Cut Edges And Exposed Corners To Be Sanded Smooth To Eliminate Splinters And Sharp Points
- 6. Chalk Panel To Be Installed Level And Square. Adjust Dimensions As Needed Based On Layout Plans To Provide Minimum Clearances
- 7. Both Faces Of Plywood To Be Finished With A Minimum Two Coats Outdoor Blackboard Paint Per Side. Chalkboard To Be Usable On Both Sides Unless Noted Otherwise.
- 8. Chalk Panel Construction To Be To The Satisfaction Of The Landscape Architect And/Or Owners Representative.



Top of all posts to be angled minimum 30° as shown.

Direction of angled cut to be as per detail. Bevel top

Kompan Water Tap Scale: 1:10

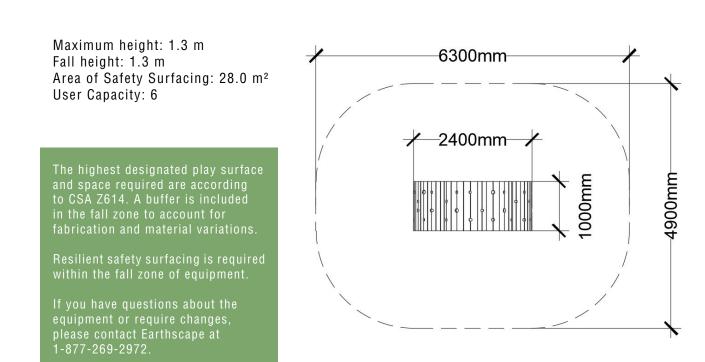


JUNIOR FORM - CLOUD SMALL Intended user age: 18m-5y

PRODUCT INFORMATION **CSA Z614**

The small Cloud is perfect for climbing, lounging or hiding. Circular cutouts that range from 2.5" to 3.5" are just the right size for fingers, hands and toes. The circular cutouts can catch the sunlight beams of different sizes as light and shadow playfully dot the ground. They are perfect for active and social play and add whimsy and art to a playscape or a public space.





1. Contractor to provide shop drawings.

Earthscape Junior Form- Cloud Small (Stain: Snow)



DISCOVERY WHEEL

Intended user age: 18m-5y

CSA Z614

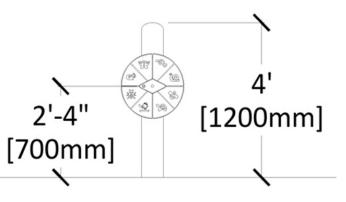
The Discovery Wheel pairs with eight themed wood medallions to create added play opportunities throughout the playground.

The Wheel itself is mounted on a Robinia post. The eight medallions are placed and installed around the play space.



Maximum height: 1.2 m Maximum fall height: N/A Area of Safety Surfacing: N/A User Capacity: 2





<u>Notes</u> 1. Contractor to provide shop drawings.

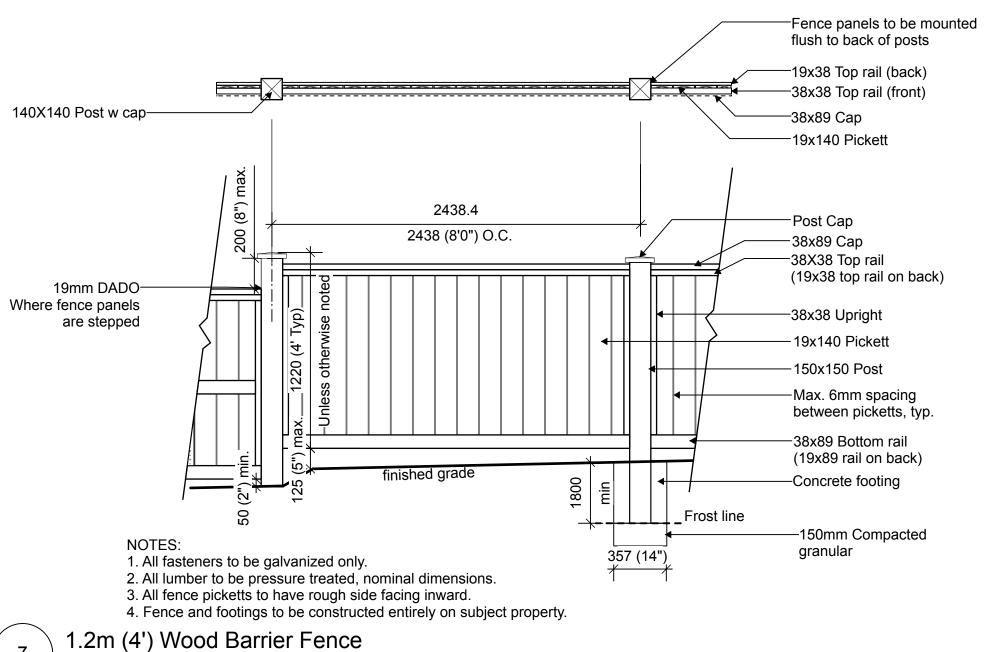
Earthscape Discovery Wheel

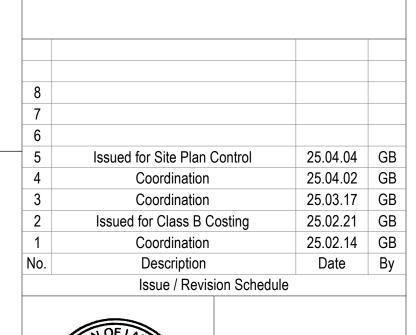
edges to 10mm radius and sand smooth. Recommended eye bolt location if desired by Client. To be installed by Others. Round wood posts (peeled) 200mm (8") Dia. Placed vertically in layout configuration as shown on Landscape Plans. Posts to be lightly sanded with belt sander prior to installation. Ensure all posts are free of splinters, stable and free of movement after installation 1.All dimensions are in millimeters. Do not scale drawings. 2.All wood to be round posts, bark -150mm depth mulch as per notes removed and skinned/turned to remove irregularities such as branch stubs, free from warps, Continuous Class 1 (Light Duty) Non-Woven FOS 100 Geotextile Filter Fabric. checks and cracks. 3.All spikes, nails and other fasteners -150mm Min. (on all sides) granular 'A' to be galvanized. compacted to 98% S.P.D. in 150mm lifts 4.All posts to be installed vertical and with tops cut horizontal. Vary -Subgrade compacted to 98% S.P.D. heights as indicated on plans. 5.Installation to comply with CAN/CSA-Z614, or latest edition. -Treat below-grade portion of all posts 6.Installation to be to the satisfaction with two coats approved clear and of the Landscape Architect and/or penetrating wood preservative prior to owner's representative.



Play Post

Scale: 1:25





Key Plan:



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NOT FOR CONSTRUCTION

Client:

OAC Ottawa Inuit Women Shelter

Project:

250 Forestglade Crescent

Ottawa, ON

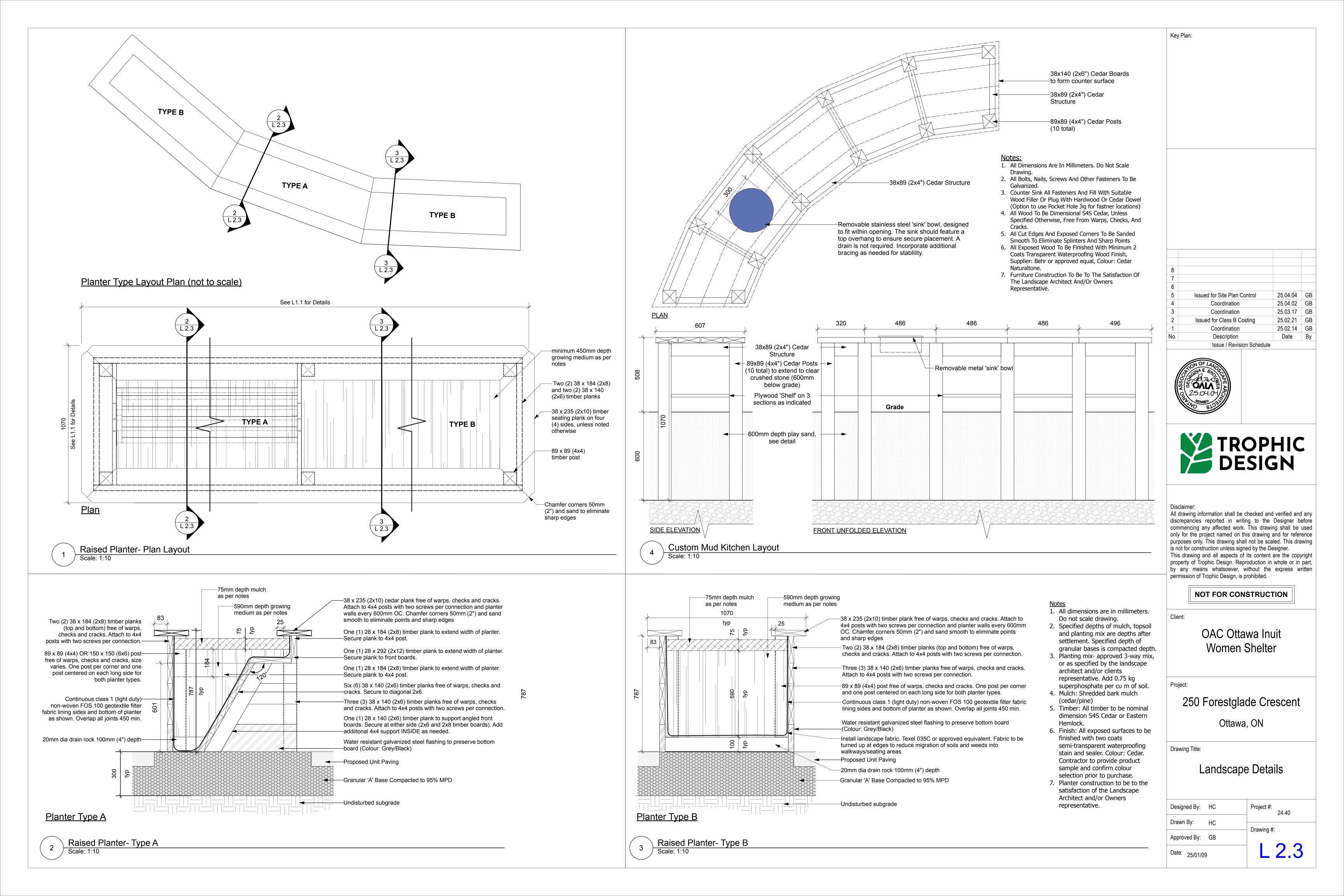
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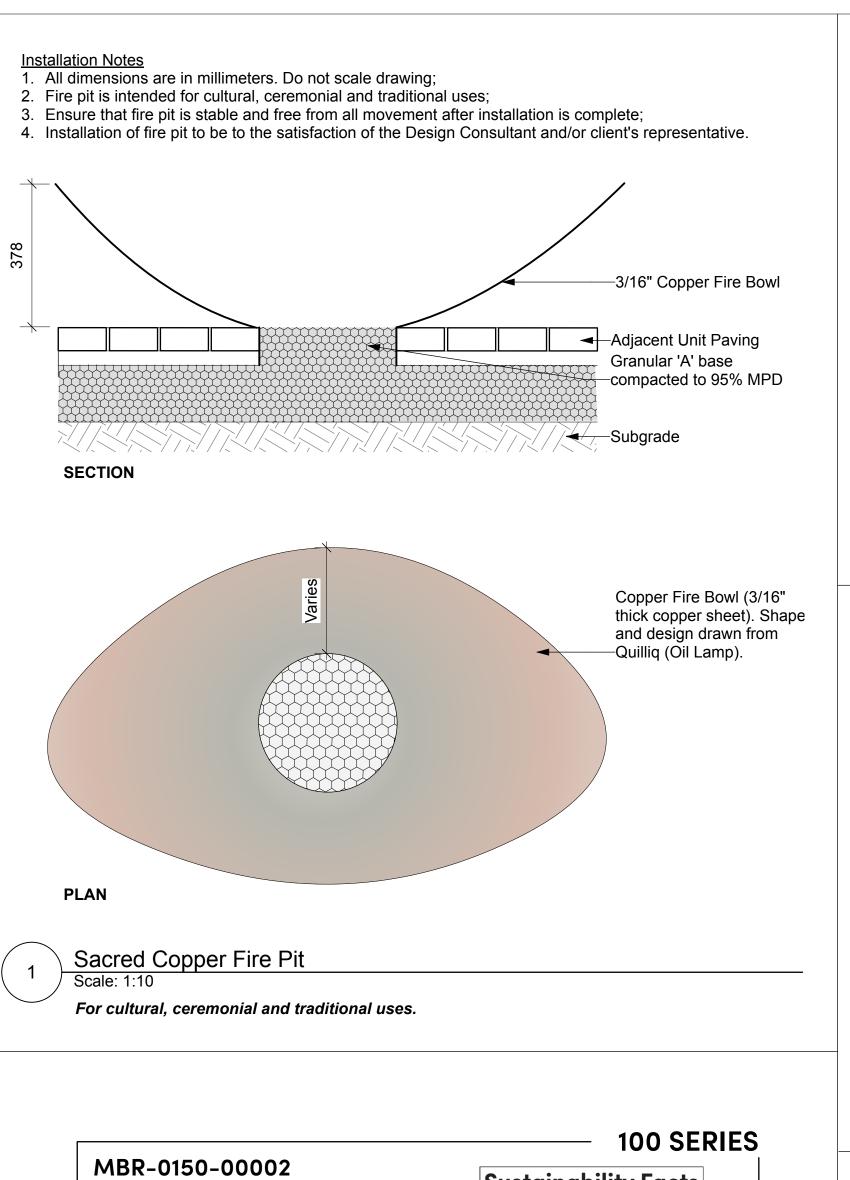
Date: 25/01/09

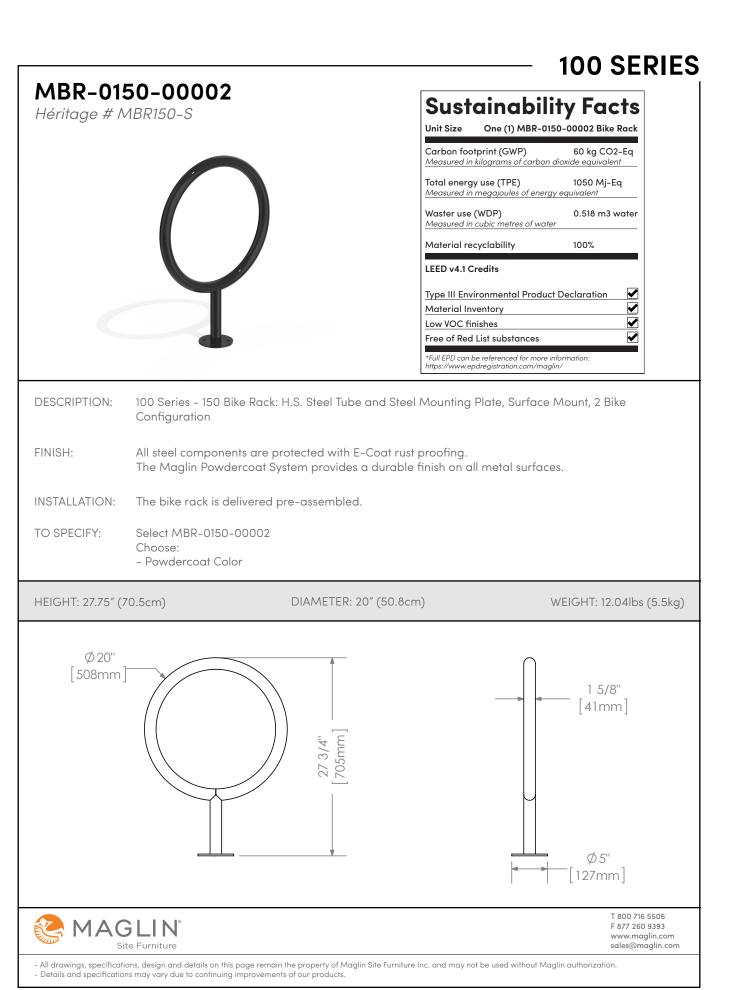
Landscape Details

Designed By: HC Project #: 24.40 Drawn By: HC Drawing #: Approved By: GB

Scale: 1:25

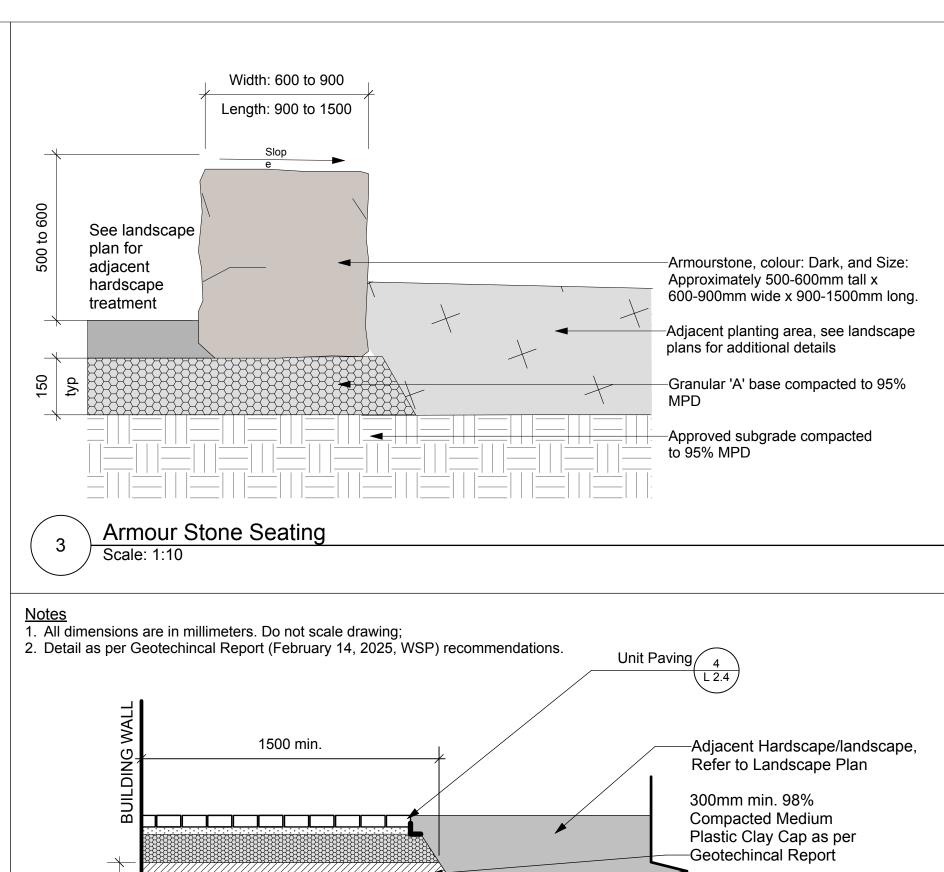


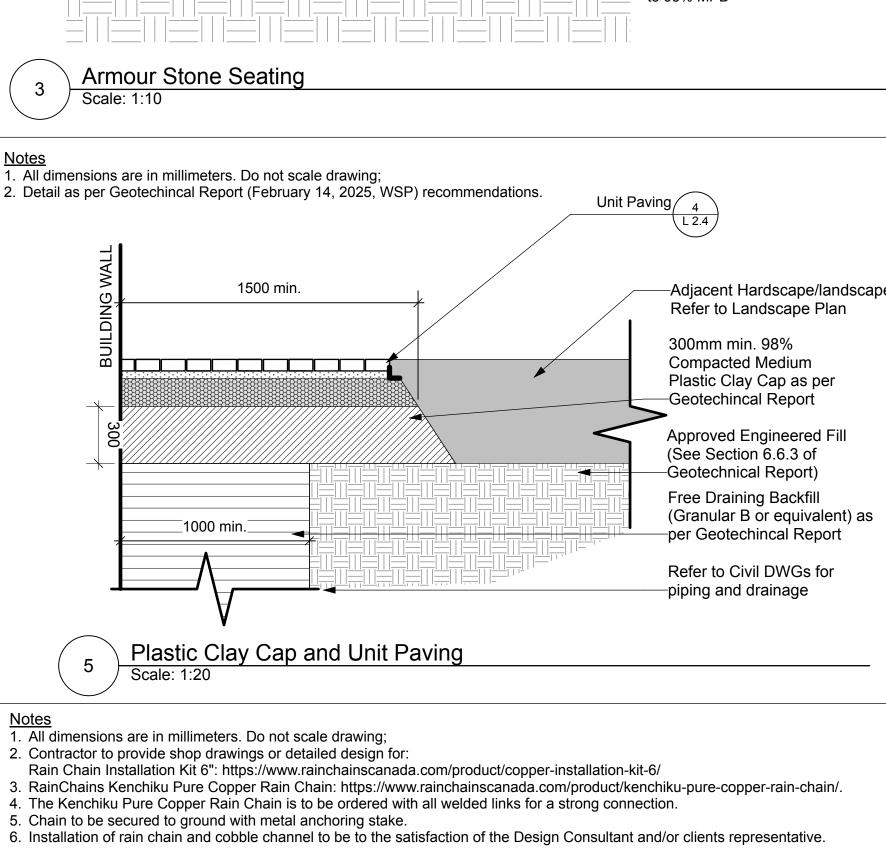


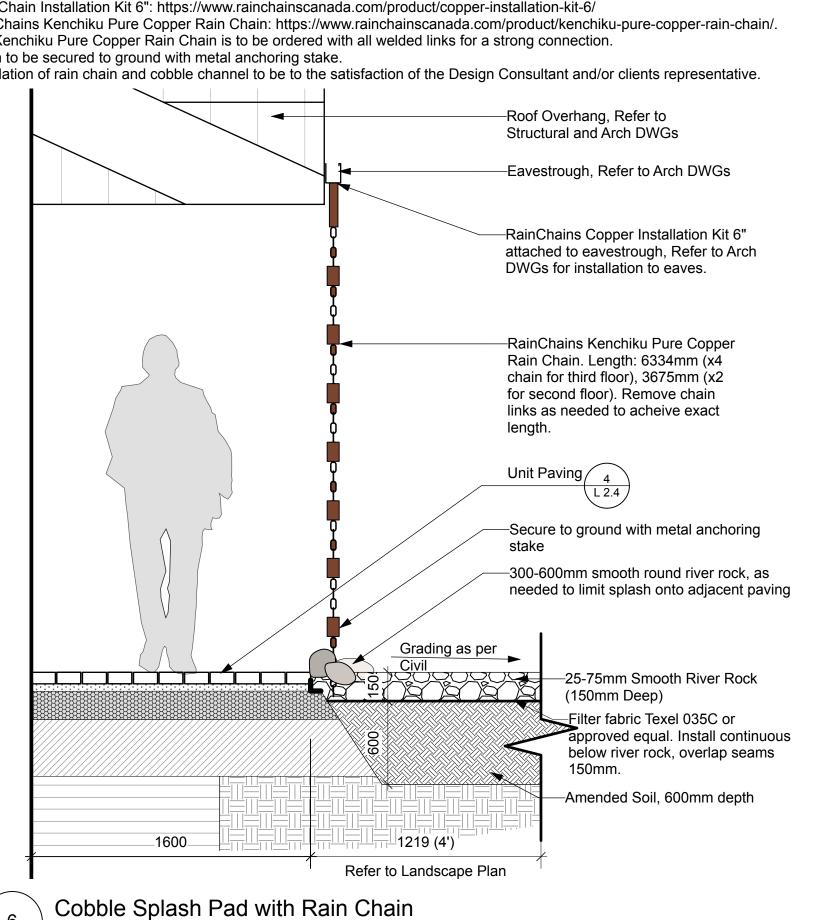


Maglin MBR-0150-00002 Bike Rack

Finish: 'Silver 14'. Surface Mount.









- 1. All dimensions are in millimeters. Do not scale drawing; 2. Specified depths of mulch and topsoil are depths after settlement. Specified depth of granular base is
- compacted depth; 3. Install all armour stone with a minimum 50mm below
- finished grade of adjacent surface; 4. Ensure that all armour stone are stable and free from all
- movement after installation is complete 5. Gaps between adjacent armour stones are to be minimized to the greatest extent possible. Gaps are to
- be less than 50mm. 6. Gaps greater than 50mm shall be parged with a concrete mix or filled by alternative method to the satisfaction of the Landscape Architect. Contractor to
- approve method of filling prior to completing; 7. Ensure that all armour stone are installed with a maximum 2% slope;
- 8. Ensure all extruding angles are chiseled and there are no sharp corners.
- 9. Ensure all armour stone seating surfaces are level with adjacent armour stone; and
- 10. Installation of armour stone to be to the satisfaction of the Design Consultant and/or clients representative.

1. All dimensions are in millimeters. Do not scale drawing;

Custom Paving Pattern

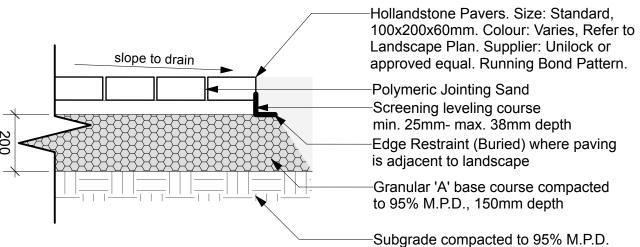
and/or clients representative

Colour: Charcoal

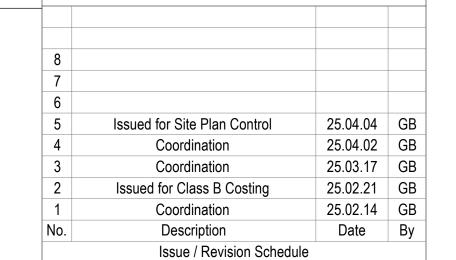
2. Installation of paving pattern to be to the satisfaction of the Design Consultant

Colour: Granite

- 1. All dimensions are in millimeters. Do not scale drawing;
- 2. Unit Paving within 1500mm of building to have plastic clay cap and free draining backfill beneath as per Geotechincal Report (February 14, 2025, WSP) recommendations. Refer to L1.1 for layout.
- 3. Contractor to provide edge restraint for all locations where unit paving meets landscape areas to ensure stability and prevent movement. Edge restaint installation shall comply with manufacturer recommendations and industry standards.



Unit Paving Scale: 1:10





Key Plan:



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Client:

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250 Forestglade Crescent

Ottawa, ON

Drawing Title:

Landscape Details

Designed By: HC Project #: 24.40 Drawn By: Drawing #: Approved By: GB

Date: 25/01/09

Charcoal, Size: Standard or Approved Equal. Granite, Size: Standard or Approved Equal.

D MF Runnning Bond Pattern, Colour: 100x200x60mm, Supplier: Unilock Runnning Bond Pattern, Colour: 100x200x60mm, Supplier: Unilock