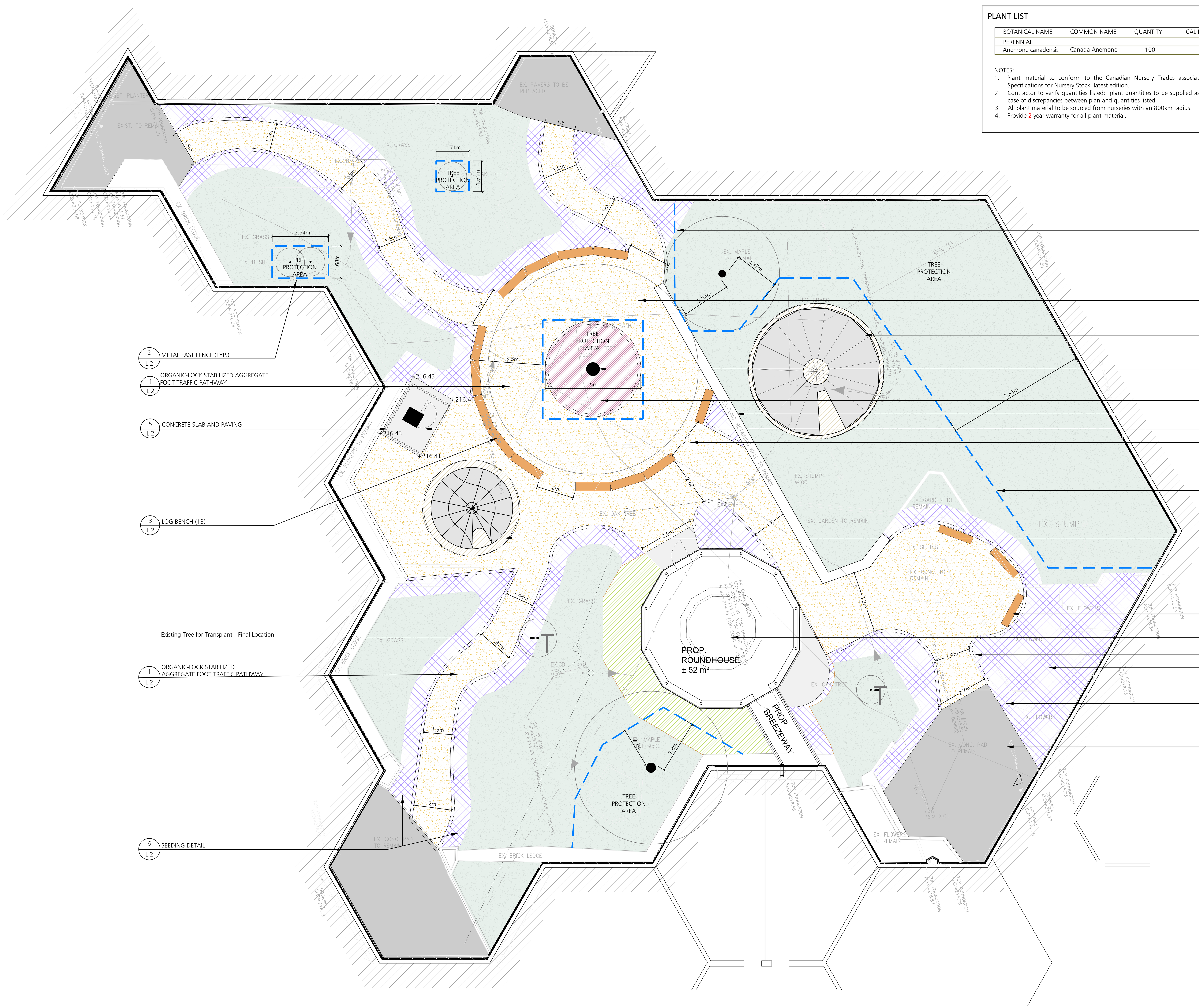
PLANT LIST

BOTANICAL NAME	COMMON NAME	QUANTITY	CALIPER @ DBH	HEIGHT / SPREAD	CONDITION
PERENNIAL					
Anemone canadensis	Canada Anemone	100	-	25cm	1 GAL. POT

NOTES:
1. Plant material to conform to the Canadian Nursery Trades association metric Guide Specifications for Nursery Stock, latest edition.
2. Contractor to verify quantities listed: plant quantities to be supplied as shown in plan in case of discrepancies between plan and quantities listed.
3. All plant material to be sourced from nurseries with an 800km radius.
4. Provide 2 year warranty for all plant material.



LEGEND

- Existing Deciduous Tree transplanted
- Existing Deciduous Tree
- Existing planting to remain
- Proposed planting - Tall Grass Meadow
- Proposed planting - Low Groundcover
- Topsoil, finegrade, and sod
- Existing Concrete Paving
- Proposed Concrete Paving
- Stabilized Aggregate
- Extent of granular base
- Sandy Loam Surfacing (left unplanted) (approx. 70% sand, 20% silt, 10% clay)
- 1.8m Ht. Modular Construction Hoarding Tree Protection Hoarding

Note: All Drawings by Baker Turner inc. to be Printed in Colour.

REVISIONS

DATE	DESCRIPTION
2025.09.30	Issued for Tender
2025.09.12	Issued for Site Plan Application
2025.08.29	Issued for 99% Design
2025.06.26	Issued for 99% Conceptual Design Completion
2025.06.11	Issued for Coordination
2025.05.13	Issued for Client Review

NOTE: Contractor is to check and verify all dimensions and conditions on the project, and is to immediately report any discrepancies to the landscape architect before proceeding with the work.

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS MICHAEL THISTLE MEMBER

Baker Turner inc
Landscape Architecture I Site Design
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web: www.bakerturner.com
email: tba@bakerturner.com

Project Title

OCI Indigenous Yard

109 Mclaughlin Rd. S.
Brampton, ON

Landscape Plan

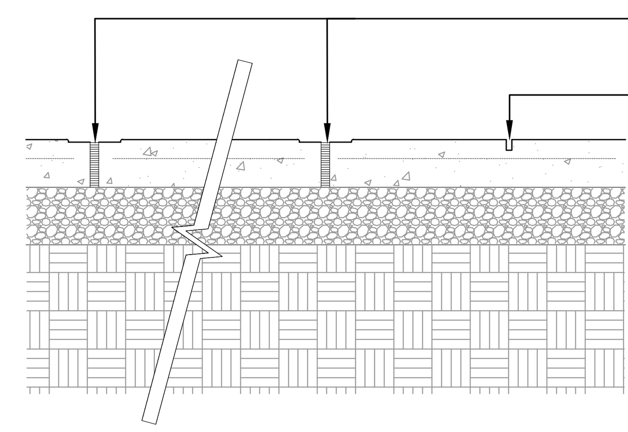
Date March 2025	Issued
Job Number BTI-1782	Drawn By JW
Scale 1:100	Checked By MT
Sheet Number L.1	File Number

CONCRETE SPECIFICATIONS

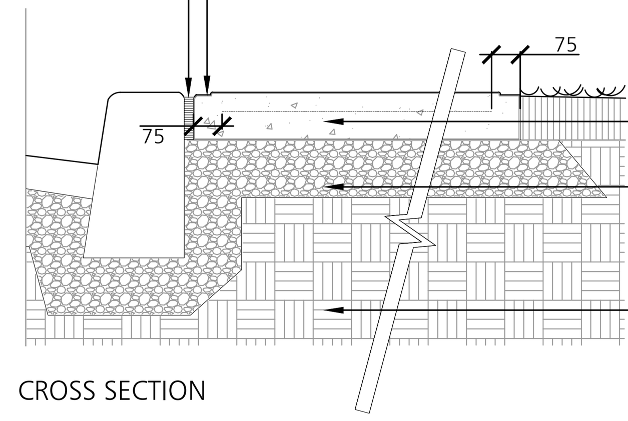
1. Concrete materials and methods of construction to comply with Can3-A23.1-M77
2. Contractor to verify accuracy of concrete details and reinforcement prior to installation
3. Provide the following materials accordingly;
   3.1. Cement - to Can3-A5-M77M Normal Type 10
   3.2. Aggregates (for concrete) - to Can3-A23.1-M77
   3.3. Reinforcing Steel (if specified) - to CSA 630.12-1972
   3.4. Wire Ties (if specified) - to CSA 630.3-1972 (R1979) Plain, cold drawn annealed steel wire
   3.5. Form Stripping Agent - Colourless mineral oil, free of kerosene
   3.6. Latex Bonding Agent - Sika Bond by Sikamix Ltd. or approved equal
   3.7. Form Lumber - Clean, free of loose knots, splits and with repairs made smoothly and securely.
   3.8. Joint Fillers - 20 mm thick, preformed, non-extruding, resilient bituminous type
   3.9. Add mixtures - to be used only when approved by engineer
   3.10. Aggregates (for base) - 19mm Crusher Run limestone shall be produced by crushing limestone to OPSS 1010.05.03.06
   3.11. Water (for mixing and curing) - to be reasonably clean and free of oil, salt, acid, alkali, sugar, organic matter, or other substances injurious to the finished product and shall meet the requirement of CSA A23 I.M
4. Class C-2 exposure concrete mix to provide a compressive strength of 32 Mpa at 28 days, entrained air of 5 to 7 percent and a slump at point of discharge of 60 mm for curbs and footings
5. Granular base to be compacted to 95 percent maximum dry density to ASTM D698-78 and to depths as detailed
6. Pour concrete in favourable weather conditions
7. Apply surface finishes as detailed
8. Provide expansion and contraction joints as detailed
9. Repair defective areas while concrete is still plastic, or remove defective work and replace with new concrete
10. Concrete areas will not be accepted under the following conditions;
    10.1. Failure to meet requirements of this specification
    10.2. Excessive honeycombing or embedded debris
    10.3. Average strength in any area is less than 95 percent of the specified minimum
    10.4. Surface irregularities
    10.5. Cosmetic and structural damage (e.g., cracks, chipped edges)
    10.6. Poor quality workmanship
11. It is the contractor' s responsibility to maintain and protect concrete areas until time of final acceptance

REINFORCING STEEL:
1. Use deformed steel, billet bars conforming to CSA standard G30.12-M1977, grade 400. All bars to be epoxy coated.
2. Concrete to cover rebar 75mm Min. to outside
3. Foundation walls: 100mm underside and sides of footings.

SLAB COORDINATION:
1. To tie into slab: 15M @ 400 Vertical dowels as shown in details or if slab is already cast, drill and epoxy bars 150mm typical into slab.



LONGITUDINAL SECTION



CROSS SECTION

CONCRETE SLAB AND PAVING
NTS
5 L.2

METAL FAST FENCE
NTS
2 L.2

NATURALIZATION SEED MIX

TALL GRASS MEADOW SEED MIXTURE (WITH COVER CROP) with minimum 200mm depth topsoil

15% Black Eyed Susan *(Rudbeckia hirta)*
30% Big Bluestem (*Andropogon gerardii)*
1% Blue Wood Aster *(Symphyotrichum cordifolius)*
2% Canada Goldenrod *(Solidago canadensis)*
1% Canada Anemone *(Anemone canadensis)*
5% Common Milkweed (*Asclepias syriaca)*
2% Evening Primrose (Oenethera biennis)
1% Grass-leaved Goldenrod *(Euthamia graminifolia)*
20% Little Bluestem (Schizachyrium scoparium)
12% Medow/Open Field Sedge (Carex granularis)
1% New England Aster *(Symphyotrichum novae-angliae)*
5% Virgins Bower *(Clematis virginana)*
5% Wild Bergamot *(Monarda fistulosa)*

SOWING RATES
25-30 kg/ha (21-23 lbs/acre) or
250 g/90 m2 (1/2 lb/1000 ft2).

COVER CROP - 15kg/ha
35% Canada Wild Rye (*Elymus canadensis*)
25% Annual Oats (*Avena sativa*)
20% Creeping Bent Grass (*Agrostis stolonifera*)
20% Red Fescue (*Festuca rubra*)

APPLICATION TIME
Early Spring (late April to early June) or
Late Fall (early October to late November)

Hydroseeding

3.2 PREPARATION OF SURFACES
.1 Cultivate areas to be seeded to a depth of 50mm. Finish grade to be free of humps and hollows and of any deleterious and/or refuse material.
.2 Do not seed on hardened, crusted or rutted soil.
.3 Obtain Landscape Architect's approval of finish grade before starting to seed.
.4 Ensure areas to be seeded are moist to a depth of 150mm before seeding.
.5 Prepared surfaces to be free of standing water.
.6 Prior to seeding, allow germination of weeds. Spray with round up at rates specified by the manufacturer. After fourteen (14) days, cultivate and prepare for seeding.
.7 All seeding shall be undertaken a minimum of fourteen (14) days after weed/vegetation removal and ground preparation.

3.3 PREPARATION OF HYDRO SEEDING SLURRY MIX
.1 Measure quantities of material by mass or mass-calibrated volume measurement to satisfaction of Landscape Architect. Supply all equipment required for this work.
.2 Charge required water into the seeder. Add material into hydro seeder under agitation. Pulverize cellulose fibre and charge slowly into tank.
.3 After all other material is in the seeder and well mixed, charge binder into seeder to produce a thoroughly mixed slurry.

3.4 APPLICATION OF HYDRO SEEDING SLURRY MIX
.1 Notify Consultant at least 48 hours prior to any hydro seeding.
.2 The Contractor shall set out the location of hydro seeded areas in accordance with the Drawings and Contract documents to be approved by the Landscape Architect prior to any hydro seeding.
.3 Recommended hydro seeding slurry mix to be applied per hectare for **Woodland Seed Mixture** (Type A):
   .1 Seed: 250 kg
   .2 Cellulose Fibre: 2300 kg
   .3 Water: 32,000 L
   .4 Fertilizer: (rate to be determined based on soils testing and consultation with seed mix supplier)
   .5 Binder: 3.5 kg
.4 Recommended hydro seeding slurry mix to be applied per hectare for **Low Maintenance Lawn Mixture** (Type B):
   .1 Seed: 250 kg
   .2 Cellulose Fibre: 2300 kg
   .3 Water: 32,000 L
   .4 Fertilizer: (rate to be determined based on soils testing and consultation with seed mix supplier)
   .5 Binder: 3.5 kg
.5 Apply when winds less than 10 km/h using equipment suitable for area involved to the approval of the Landscape Architect.
.6 Apply slurry mix in a uniformly distributed ground cover of uniform thickness, with non-fluctuating pump pressure, and at the optimum angle for adherence to surfaces and germination of seed.
.7 Re-apply where application is not uniform
.8 Ensure seeding does not dislodge soil or cause erosion.
.9 Where the seeding adjoins existing vegetation, overlap the slurry mix at least 300mm into adjacent vegetated areas.
.10 Protect seeded areas against erosion, trespass or damage.
.11 After application of slurry mix, ensure that the areas are left undisturbed until maintenance has started.

SEEDING DETAIL
N.T.S.
6 L.2

Clearing consists of cutting off trees and brush vegetative growth to not more than a specified height above ground and disposing of felled trees and surface debris.

Close_cut clearing consists of cutting off standing trees, brush, scrub, roots, stumps and embedded logs, flush with existing grade and disposing of fallen timber and surface debris.

Grubbing consists of excavation and disposal of stumps and roots, boulders and rock fragments to not less than a 300 mm depth below proposed finished grade elevations.

Clear trees and remove existing root structure throughout project area.

No areas shown on plan within metal fast fence are to be subject of clearing or grubbing unless otherwise stated. Protected areas are to be left intact in their pre-construction condition.

Cut off unsound branches and cut down trees over hanging area cleared at no extra cost.

Grub out remaining stumps and roots to no less than 300 mm below proposed finished grade elevations.

Grub out visible rock fragments and boulders, greater than 300 mm in greatest dimension, but less than 0.25 cubic metres in size.

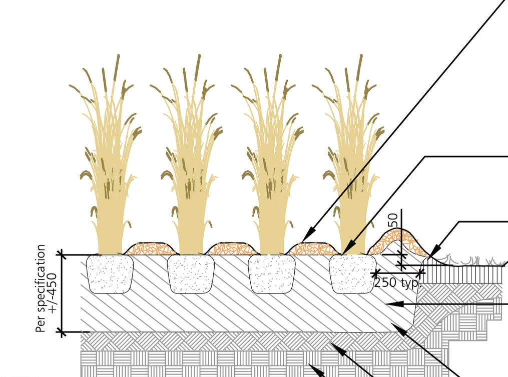
Remove cleared and grubbed materials off site as indicated or designated by Consultant.

CLEARING AND GRUBBING NOTES
N.T.S.

Topsoil Placement & Fine Grading
1. Ensure that the approval has been obtained for rough grading prior to proceeding with this section of work.
2. Scarify the rough graded areas to provide a loosened surface in order to allow bonding of the topsoil.
3. Spread topsoil on the prepared and accepted rough graded surface to a minimum depth of 300 mm firmly packed or as defined by planting (see planting detail) or 200mm depth firmly packed or as defined by the naturalized seed mix.
4. Keep topsoil 25 mm below finished grade for sodded areas elsewhere bring topsoil up to finished grade of adjacent surfaces.
5. The finished surface is to be smooth and even with no ruts, clods or contaminants.
6. Remove stones in excess of 10mm for area to be seeded.
7. Hand rake areas to be seeded or sodded as a final surface preparation coordinating the work to ensure that seeding or sodding can occur as soon as possible after raking has been completed.
8. Ensure the soil texture match the Municipal standards.
9. Typical topsoil to be sandy loam texture profile
   - 50-60% Sand (0.05 - 2 mm), 20-40% Silt (0.002 - 0.05mm), and 6-10% Clay (<0.002mm)
   - 2-5% organic matter by dry weight, and a maximum PH pf 7.5.
   - Nutrient levels (ppm): Phosphorus 10-60, Potassium 80-250, Calcium <5000,
   - Magnesium 100-300
10. Cut sheet for soil to be submitted prior to delivery for approval
11. For areas of Sandy Loam Surfacing to be left unplanted soil mix: 70% Sand, 20% Silt, 10% Clay. Organic matter to be less than 1%. 0.3m depth.
12. Topsoil shall not contain materials and contaminants at levels that would be harmful to plant growth; or impair drainage, installation or maintenance of the resulting growing medium; or adversely impact its intended use including the following:
    - Refuse; roots; construction debris; wood or sticks larger than 25 mm in diameter; brush; clumps of root mats of plants and toxic materials
    - Lumps of clay or subsoil larger than 50 mm
    - Stones larger than 75 mm
    - Deleterious substances; plant or soil pests; undesirable grasses including crabgrass or couch grass, noxious or weeds or weed seeds.
13. Topsoil shall be in conformance with all Ontario and municipal regulations. The contractor shall be responsible for removing all weeds that germinate during the plant maintenance period.
14. Topsoil shall be harvested from approved source locations that comply with all regulations governing the removal of topsoil.
15. Topsoil may be purchased from a source of collected topsoil from development sites provided the sources of the topsoil stock pile is of similar textures and meets the requirements of this specification.

TOPSOIL NOTES
N.T.S.

1. Coordinate shipping of plants and excavation of holes to ensure minimum time lapse between digging and planting.
2. Cover plant foliage with tarpaulin and protect bare roots by means to prevent loss of moisture during transit and storage.
3. Provide 2 year warranty for all plant material as itemized on plant list. At end of warranty inspection , all plant material will be in vigorous growing condition, free of pests and disease and true to natural form.
4. During warranty period, remove from site any plant material that has died or failed to grow satisfactorily as determined by owner/architect/landscape architect. Extend warranty on replacement plant material for a period equal to the length of original warranty period. Remove trunk wrapping, tree stakes and guy wired at the end of the warranty period. Upon request, remove trunk wrapping for visual inspection and rewrap.
5. It is the contractor's responsibility to maintain plant material until time of final acceptance. Maintenance of plant material during warranty period is the owners responsibility.
6. Maintenance tasks until time of final acceptance to include all of the following:
.1 Watering
.2 Fertilizing
.3 Weed Control
.4 Insect and Fungus Control
.5 Pruning



NOTES:
1. For planting in poorly drained soils install plant material so that root collar is 75-100mm above grade
2. Remove container and maintain soil ball intact. Container to be cut carefully away from root system so as not disturb soil ball.

PERENNIAL PLANTING
N.T.S.
4 L.2

Logs of approximately 250mm - 400mm diameter to be used. Top cut flat to 100mm above frame and sanded for no sharp edges. Note: select logs prior to frame fabrication.

Holes to be pre-drilled into metal frame and two stainless steel threaded rods (ASTM F594) with tamperproof, stainless steel hardware to be installed in each metal frame. Note: hole location dependant on trunk diameter.

28mm (1") wide cut through centre of trunk to a depth of 127mm (3") to accept metal frame with a tight fit.

Surface mount.

76.2mm (3") x 25.5mm (1") H.S.S. welded metal frame with 6.35mm (0.188") thick walls to be made of stainless steel (ASTM A554).

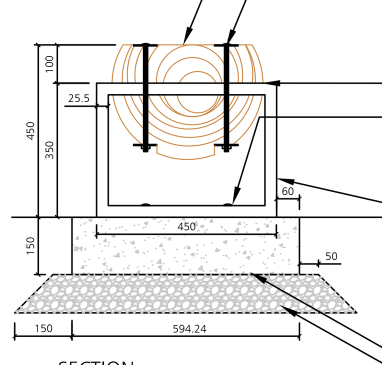
150mm concrete footing (32 MPa at 28 days concrete 5-7% air entrained) over 100mm depth granular A compacted base (to 98% S.P.D) Set level as required to maintain steady and flat top of bench.

PROVIDE SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION AND SELECTION OF LOGS. MULTIPLE DRAWINGS MAY BE REQUIRED FOR DIFFERENT DIAMETER LOGS

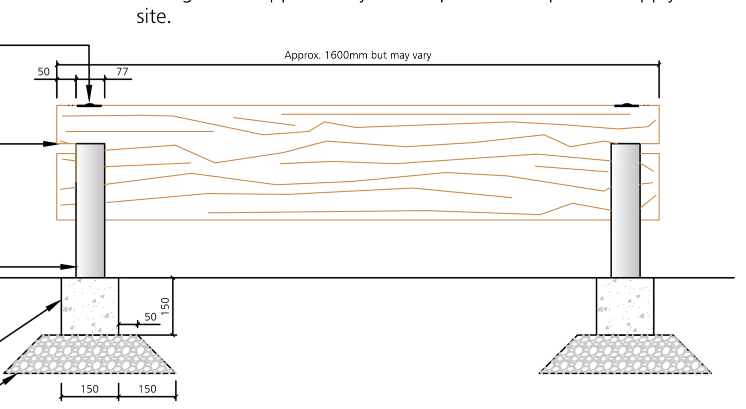
All measurements in mm unless otherwise stated.

All bolts, nuts and other hardware to be stainless steel (ASTM F593 - class A2) tamperproof with end cap, shear nut or installed with Loctite Red 271 or approved equal.

All logs to be approved by landscape architect prior to supply to site.



SECTION

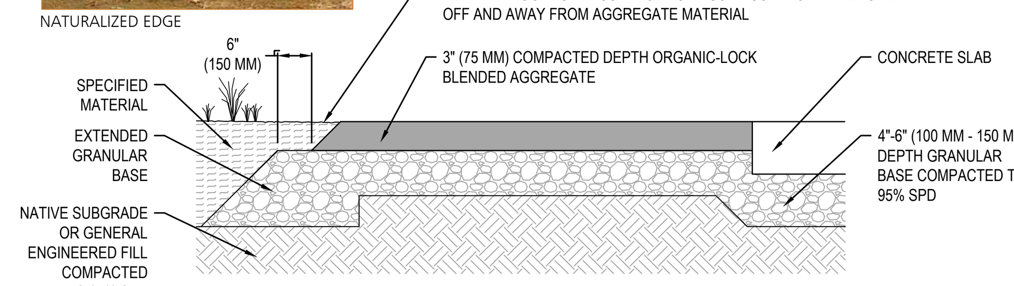


ELEVATION

LOG BENCH
N.T.S.
3 L.2


NATURALIZED EDGE

SHOP DRAWINGS TO BE PROVIDED FOR APPROVAL



SECTION

ORGANIC-LOCK LICENSED DEALERS TO BLEND THE ORGANIC-LOCK WITH THEIR LOCAL PRE-APPROVED AGGREGATE, THIS ENSURES THE ORGANIC-LOCK BINDER IS HOMOGENOUSLY BLENDED WITH SPECIFIED AGGREGATE.

ORGANIC-LOCK BLENDED AGGREGATE SURFACE TO BE ELEVATED IN COMPARISON TO ADJACENT MATERIAL TO ENSURE SURFACE WATERSHED OFF AND AWAY FROM SPECIFIED MATERIAL.

IF THE SLOPE OF THE PROJECT AREA IS LESS THAN 2% A CROWN SHOULD BE INCORPORATED INTO THE PATHWAY. IF THE SLOPE OF YOUR PROJECT AREA IS GREATER THAN 2% INCORPORATE A CROSS SLOPE INTO THE PATHWAY.

THE DEVELOPMENT OF A SURFACE WATERSHED MANAGEMENT PROGRAM FOR THE SURROUNDING AREAS IS IMPORTANT TO THE INSTALLATION PERFORMANCE. THIS ENSURES SURFACE WATER MIGRATES OFF AND AWAY FROM THE ORGANIC-LOCK BLENDED AGGREGATE WHERE POSSIBLE.

OPTIMAL PARTICLE SIZE DISTRIBUTION		
SIEVE	SIEVE SIZE (MM)	PERCENT PASSING
4	4.76	80-100%
8	2.36	65-90%
16	1.18	40-70%
30	0.60	25-55%
50	0.30	15-35%
100	0.149	10-20%
200	0.074	5-15%

MANUFACTURER NOTES:
1. DESIGNERS NOTE: FOR ANY PLAN, SPECIFICATION OR DETAIL ORIENTED QUESTIONS, PLEASE DON'T HESITATE TO CONTACT OUR TECHNICAL TEAM AT info@organic-lock.com. THE TECHNICAL TEAM ARE ABLE TO REVIEW ALL PLANS, SPECIFICATIONS AND DETAILS TO ENSURE CONTINUITY AND PROJECT SUCCESS.

NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. DO NOT SCALE DRAWING.
3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 1782-OCI

ORGANIC-LOCK STABILIZED AGGREGATE FOOT TRAFFIC PATHWAY
N.T.S.
1 L.2

Note: All Drawings by Baker Turner inc. to be Printed in Colour.

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Landscape Details

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