

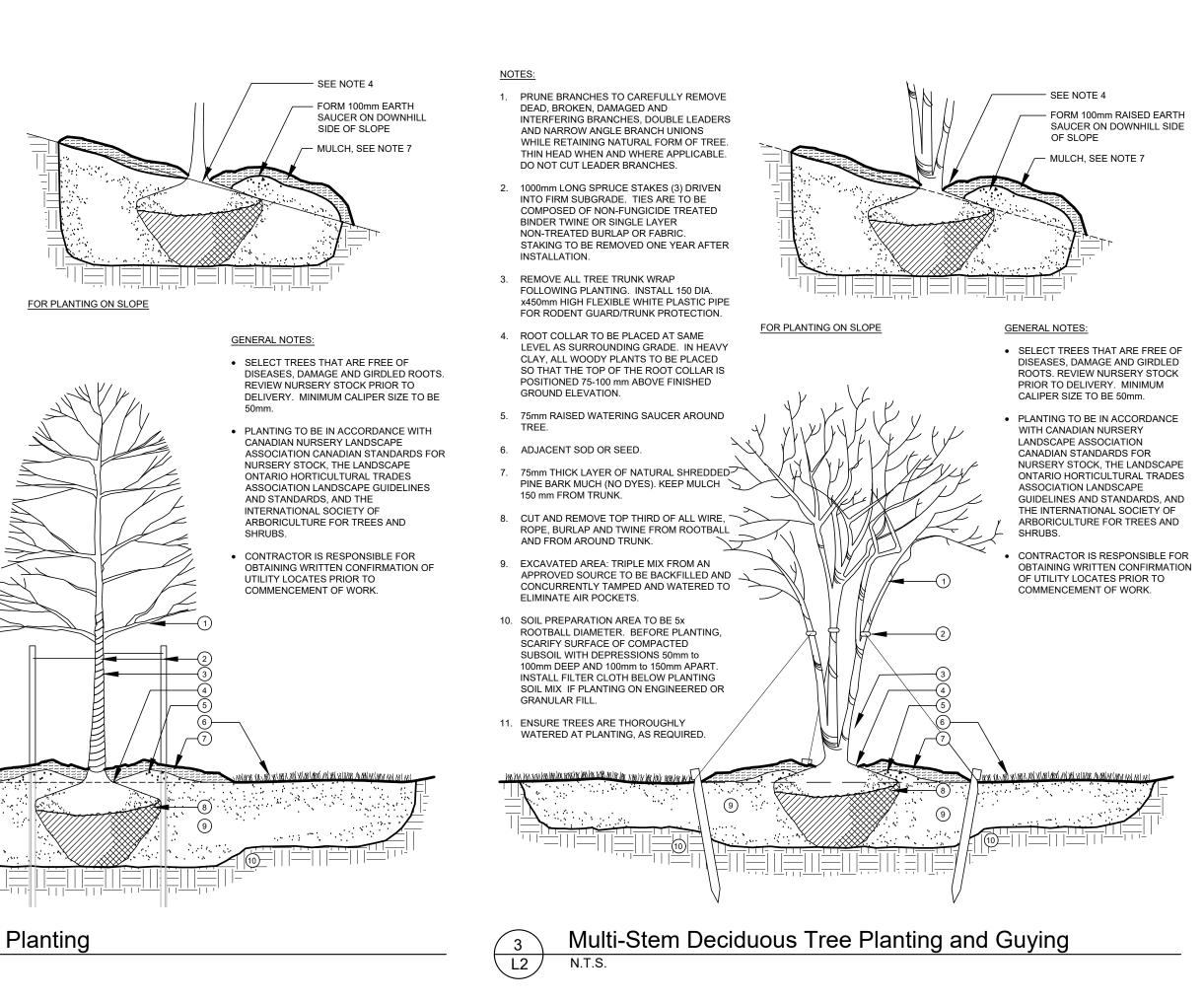
Shrub Planting

N.T.S.

L2 /



**Coniferous Tree Planting** N.T.S.



- ASSOCIATION LANDSCAPE GUIDELINES AND STANDARDS, AND THE INTERNATIONAL SOCIETY OF ARBORICULTURE FOR TREES AND SHRUBS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING
- WRITTEN CONFIRMATION OF UTILITY LOCATES PRIOR TO COMMENCEMENT OF WORK.

NOTES:

- NEVER CUT EVERGREEN LEADER. REMOVE ANY BROKEN STEMS, BRANCHES OR LARGE LEAVES ON PERENNIALS. RETAIN NATURAL
- 2. LOCATE STAKES ON NORTH-WEST SIDE OF TREE. ALL STAKES ARE TO BE WOODEN STAKES AND TIES ARE TO BE COMPOSED OF NON-FUNGICIDE TREATED BINDER TWINE OR SINGLE LAYER NON-TREATED BURLAP OR
- 3. STAKES TO BE REMOVED ONE YEAR AFTER INSTALLATION.
- 4. EXCAVATED AREA: TRIPLE MIX FROM AN APPROVED SOURCE TO BE BACKFILLED AND CONCURRENTLY TAMPED AND WATERED TO ELIMINATE AIR POCKETS.
- 5. SCARIFY SURFACE OF COMPACTED SUBSOIL BEFORE PLANTING.
- 6. IN HEAVY CLAY OR POORLY DRAINED SOIL, ALL WOODY PLANTS TO BE PLACED SO THAT THE TOP OF THE ROOT COLLAR IS POSITIONED 75-100 mm ABOVE FINISHED GROUND ELEVATION.
- 7. 75mm THICK LAYER OF APPROVED MULCH. PROVIDE SAMPLE FOR REVIEW AND APPROVAL. KEEP MULCH 150 mm FROM TRUNK
- 8. ADJACENT SOD OR SEED
- ENSURE TREES ARE THOROUGHLY WATERED AT PLANTING, AND AS REQUIRED.



## APPLICATION OF TOPSOIL

LOCATION APPROVED BY OWNER. SCREEN ROCKS AND DEBRIS PRIOR TO USE. 2. EXISTING TOPSOIL IS TO BE STOCKPILED AND

1. EXISTING TOPSOIL IS TO BE STOCKPILED IN

- USED AS APPROPRIATE FOR PROPOSED WORK. IMPORT TOPSOIL AS REQUIRED. 3. CONTRACTOR IS TO PROVIDE NUTRIENT
- ANALYSIS AND GRAIN SIZE ANALYSIS FOR ALL NEW OR EXISTING TOPSOIL TO BE USED ON SITE AND TO OBTAIN APPROVAL OF LANDSCAPE ARCHITECT PRIOR TO APPLICATION.
- 4. SCARIFY EXISITING SUBGRADE AND APPLY A MINIMUM OF 12" OF TOPSOIL OVER DISTURBED ARFA
- REMOVE DEBRIS, ROOTS, BRANCHES, STONES IN EXCESS OF 2" DIA. AND OTHER DELETERIOUS MATERIALS.
- 6. SPREAD TOPSOIL IN UNIFORM AREA, EACH LAYER NOT EXCEEDING 6".
- 7. ALL DISTURBED LAWN AREAS ARE TO BE SEEDED OR SODDED.

### SODDING:

TO INSTALLATION OF SOD. SUPPLY AND PLACE SCREENED TOPSOIL COMPACTED DEPTH @ 85% S.P.D. OVER SUBGRADE WHICH HAS BEEN SCARIFIED TO 150mm DEPTH PRIOR TO PLACEMENT OF TOPSOIL

1. OBTAIN APPROVAL OF FINISHED GRADE PRIOR

- 3. SUPPLY AND PLACE NUMBER ONE TURFGRASS NURSERY SOD, SOD THAT HAS BEEN ESPECIALLY SOWN AND CULTIVATED IN NURSERY FIELDS AS TURFGRASS CROP.
- 4. FINE GRADE TOPSOIL SURFACE FREE OF HUMPS AND HOLLOWS TO SMOOTH, EVEN GRADE, TO TOLERANCE OF +/- 15mm FOR TUREGRASS NURSERY SOD, SURFACE TO DRAIN POSITIVELY.
- LAY SOD WITHIN 24 HOURS OF BEING LIFTED IF AIR TEMPERATURE EXCEEDS 20 DEGREES CELCIUS.
- 6. LAY SOD IN ROWS, JOINTS STAGGERED. BUTT SECTIONS CLOSELY WITHOUT OVERLAPPING OR LEAVING GAPS BETWEEN SECTIONS. CUT OUT IRREGULAR, DISCOLOURED OR THIN SECTIONS WITH SHARP IMPLEMENTS.
- 7. LAY SOD PERPENDICULAR TO DIRECTION OF SLOPE.
- 8. STAKE SOD ON ALL SLOPES GREATER THAN 3:1. PROVIDE WOOD STAKES, MIN. 2 PER sq.m. OF SOD, 50mm X 50mm X 200mm, DRIVEN INTO GROUND TO LEVEL OF TOP OF SOD.
- 9. ROLL SOD AFTER INSTALLATION, TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT. PROVIDE CLOSE CONTACT BETWEEN SOD AND SOIL BY LIGHT ROLLING. USE OF HEAVY ROLLER TO CORRECT IRREGULARITES IN GRADE IS NOT PERMITTED.
- 10. PERFORM FOLLOWING OPERATIONS FROM TIME OF INSTALLATION UNTIL ACCEPTANCE AT SUBSTANTIAL COMPLETION:
- A. WATER SODDED AREAS IN SUFFICIENT QUANTITIES AND AT FREQUENCY REQUIRED TO MAINTAIN OPTIMUM SOIL MOISTURE CONDITION TO DEPTH OF 75 - 100mm,
- CONTINUOUS, OVER ENTIRE SODDED AREA. B. CUT GRASS TO 50mm WHEN OR PRIOR TO REACHING HEIGHT OF 75mm, MINIUMUM 2 TIMES, OR AS REQUIRED UNTIL SUBSTANTIAL COMPLETION OF THE WORK. EVENLY SPREAD CLIPPINGS BUT REMOVE
- ANY CLIPPINGS WHICH WILL SMOTHER MAINTAIN SODDED AREAS 95% WEED FREE.
- 11. AFTER ACCEPTANCE OF SODDED AREAS AT SUBSTANTIAL COMPLETION, MAINTENANCE INCLUDING WATERING BECOMES THE RESPONSIBILITY OF THE OWNER
- 12. CLEAN THOROUGHLY TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT, AND REMOVE ALL EXCESS MATERIALS FROM THE SITE.

#### PLANTING

- REFER TO PLANTING DETAILS FOR INSTALLATION NOTES.
- DO NOT SUBSTITUTE PLANT MATERIAL IN SPECIES, VARIETY OR SIZE WITHOUT APPROVAL FROM LANDSCAPE ARCHITECT
- IN THE EVENT OF A DISCREPANCY BETWEEN PLANT LIST AND PLAN, QUANTITIES SHOWN ON PLAN SHALL TAKE PRECEDENCE OVER THE PLANT LIST
- 3. PLANTS SHOWN ON THE PLAN BUT NOT INCLUDED ON THE LIST ARE THE CONTRACTOR'S RESPONSIBILITY TO SUPPL' AND INSTALL, REGARDLESS OF THE PLANT LIST PLEASE REPORT ANY DISCREPANCIES BETWEEN THE PLAN AND THE LIST IMMEDIATELY TO THE LANDSCAPE ARCHITECT
- SPACING TO BE AS SHOWN ON PLAN OR EQUALLY SPACED IN AREA SHOWN ON PLAN. 5 PROVIDE ALL PLANT MATERIAL IN
- ACCORDANCE WITH SPECIFICATIONS ESTABLISHED BY THE CANADIAN NURSERY LANDSCAPE ASSOCIATION WITH REGARDS TO QUALITY AND GRADING AND SIZED AS PER PLANT LIST
- PLANTS ARE TO BE No. 1 NURSERY GROWN UNDER PROPER CULTURAL PRACTICES. IN PARTICULAR WITH RESPECT TO AMPLE SPACING, PEST AND DISEASE CONTROL, AND BRANCH AND ROOT PRUNING. TREES SHALL HAVE STURDY, STRAIGHT TRUNKS, WELL BRANCHED AND BALANCED WITH A STRONG CENTRAL LEADER.
- WATER TEST EXCAVATED TREE PITS FOR WATER POROSITY PRIOR TO PLANTING AND REPORT TO LANDSCAPE ARCHITECT.
- STRICTLY ADHERE TO PLANTING DETAILS TO ENSURE ADEQUATE PLANTING SOIL MIX AROUND PLANT MATERIAL.
- IN ALL PLANTING OPERATIONS, BACK FILL WITH SOIL MIXTURE IN 6" LAYERS AND FIRMLY TAMP EACH LAYER TO ENSURE PLANT RETAINS ITS ORIENTATION. ENSURE NO AIR POCKETS REMAIN AROUND ROOTS. WATER FHOROUGHLY.
- . PLANTS TO BE ORIENTATED TO PRESENT THE BEST FACE TOWARDS PRIORITY VIEWING AREAS.
- 11. PLANT ALL SHRUBS IN CONTINUOUS PLANTING BEDS. WHERE APPROPRIATE.
- 12. EXCEPT FOR PLANTS IN PLANTING BEDS, CONSTRUCT AN EARTH SAUCER AROUND THE
- 13. MULCH AS SHOWN IN DETAILS, AND PRUNE VEGETATION AS REQUIRED TO COMPENSATE FOR ROOT LOSS.

**GUARANTEE** 

- ALL WORKMANSHIP AND MATERIAL SHALL BE COVERED BY A ONE YEAR GUARANTEE PERIOD FROM DATE OF SUBSTANTIAL COMPLETION.
- DURING THE GUARANTEE PERIOD, REPLACE ALL PLANT MATERIAL THAT IS DEAD OR NOT IN AN ACCEPTABLE GROWING CONDITION OR WHICH DOES NOT MEET THE REQUIREMENTS OF THE SPECIFICATIONS, AT NO EXTRA COST O THE CONTRACT.
- GUARANTEE ALL SEEDING AND SODDING TO A HEALTHY ESTABLISHED CONDITION.
- 4. FINAL INSPECTION OF ALL MATERIAL WILL BE MADE AT THE END OF THE GUARANTEE PERIOD. AT TIME OF INSPECTION, PLAN MATERIAL MUST BE IN A HEALTHY, GROWING CONDITION OR IT WILL BE REJECTED.

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GENERAL NOTES:

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE PROCEEDING WITH THE WORK, AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITEC BEFORE PROCEEDING. NO ALLOWANCE SHALL BE MADE ON BEHALF OF THE CONTRACTOR FOR FAILURE TO DO SO.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND STAKING OUT THE LOCATION OF ALL EXISTING UTILITIES AND SERVICES CONTRACTOR SHALL GIVE UTILITIES ADVANCE NOTICE PRIOR TO DIGGING.
- LANDSCAPE ARCHITECT IS NOT RESPONSIBLE FOR ACCURACY OF SURVEY OR ENGINEERING DRAWINGS. REFER TO APPROPRIATE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
- CONTRACTOR SHALL ESTABLISH ALL PROPERTY BOUNDARIES AND CORNER STAKES, AND SHALL BE RESPONSIBLE FOR ALL COSTS OF **RE-ESTABLISHING THEM SHOULD THEY BE** DISTURBED
- CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT MINIMUM 48 HOURS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE INSPECTION SCHEDULES.
- 6. CONTRACTOR TO CONFIRM PHYSICAL LAYOUT OF ALL LANDSCAPE AND PLANTINGS WITH LANDSCAPE ARCHITECT BEFORE PROCEEDING.
- CONSTRUCTION MUST CONFORM TO ALL APPLICABLE CODES AND REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION.
- REFUELING, LUBRICATION AND/OR MAINTENANCE OF CONSTRUCTION VEHICLES IS NOT PERMITTED ON SITE UNLESS APPROVED BY THE OWNER IN WRITING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING STREETS, SIDEWALKS, STRUCTURES, AND MATURE TREES TO REMAIN DURING CONSTRUCTION OF THIS PROJECT AND SHALL REPAIR SUCH DAMAGE AND CLEAN UP CONSTRUCTION DEBRIS TO THE SATISFACTION OF THE OWNER AND THE MUNICIPALITY AT NO ADDITIONAL COST.
- 10. THE CONTRACTOR, UPON ACCEPTANCE OF THE CONTRACT, ASSUMES COMPLETE RESPONSIBILITY AND LIABILITY FOR THE JOB SITE DURING THE COURSE OF CONSTRUCTION, AND WILL ENSURE PUBLIC SAFETY AND CLEANLINESS OF MUNICIPAL ROADS NEAR THE SITE.
- ALL DRAWINGS, SPECIFICATIONS AND RELATED DOCUMENTS ARE THE COPYRIGHT OF THE LANDSCAPE ARCHITECT AND MUST BE RETURNED UPON REQUEST REPRODUCTION OF DRAWINGS SPECIFICATIONS AND RELATED DOCUMENTS IN WHOLE OR IN PART IS FORBIDDEN WITHOUT THE LANDSCAPE ARCHITECT'S PERMISSION. DRAWINGS ARE NOT TO BE SCALED.

5.	4th Submission	09 Nov. 2020
4.	3rd Submission	14 Aug. 2020
3.	For Coordination	26 May 2020
2.	2nd Detailed Design Submission	10 Jan. 2020
1.	Preliminary	10 Dec. 2019
No.	Issued / Revision	Date

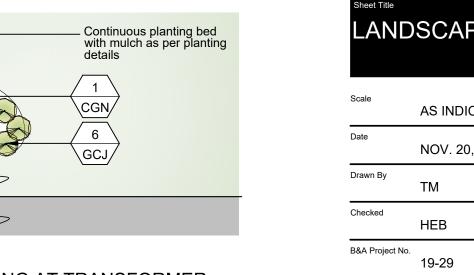




NICKERSON WOODS

TOWN OF COBOURG

Project-Client



# LANDSCAPE DETAILS PLAN

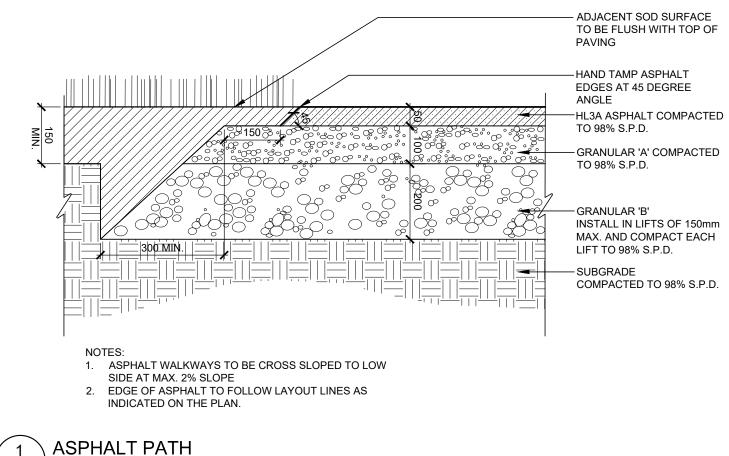
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Scale	AS INDICATED
Date	NOV. 20, 2019
Drawn By	ТМ
Checked	HEB
B&A Project No.	19-29

 $7 \setminus TYPICAL PLANTING AT TRANSFORMER$ 

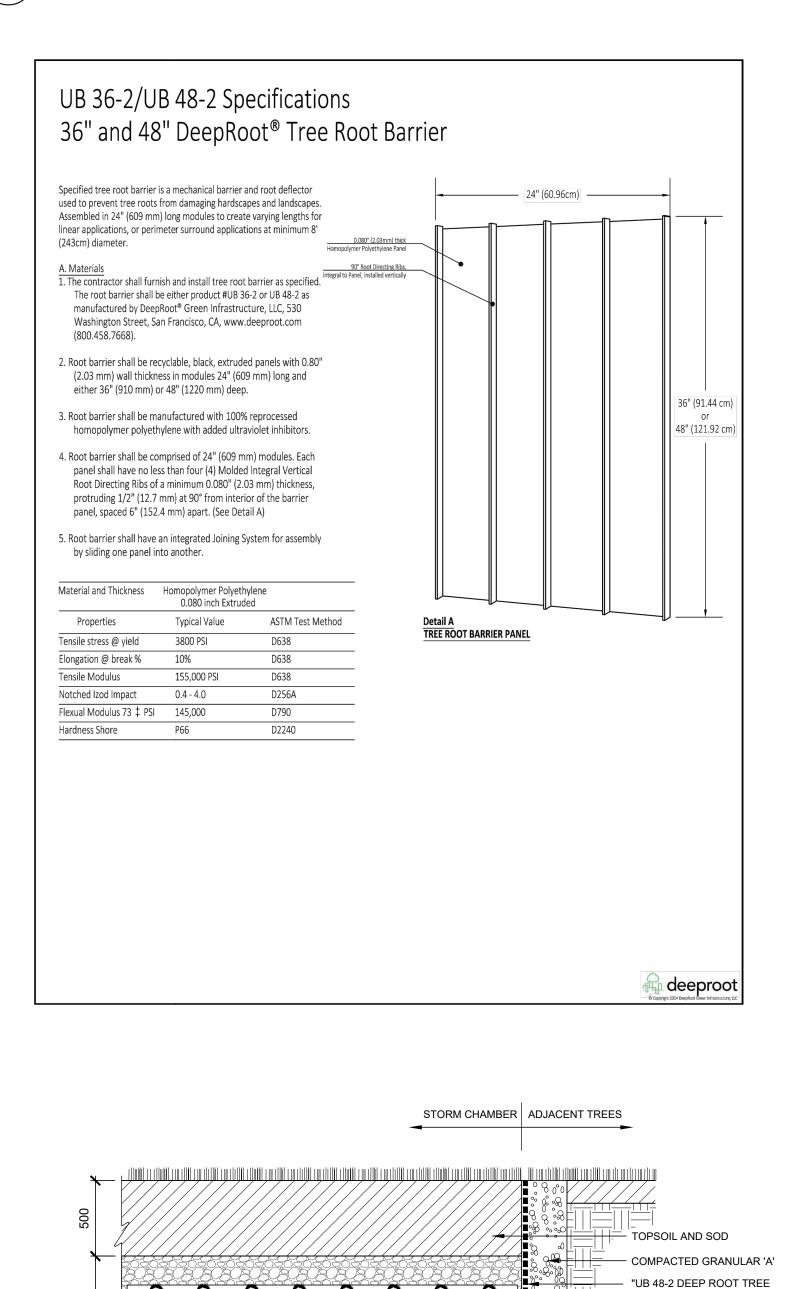
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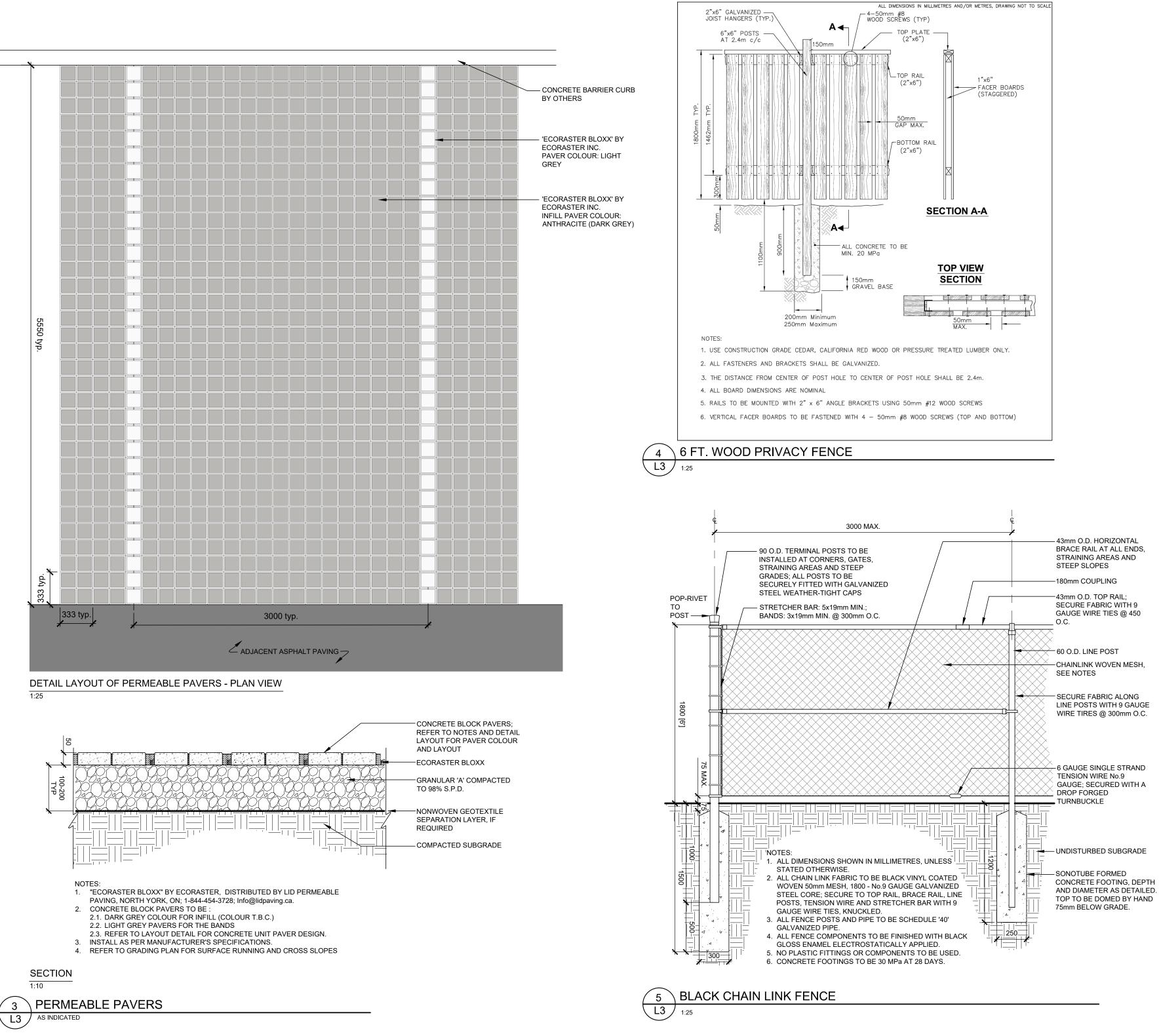
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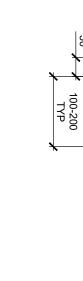
L2 / 1:150



L3 1:10







ROOT BARRIER" BY DEEP

STORMTECH CHAMBER AS

PER CIVIL ENGINEERING

150mm CLEAR STONE

BACKFILL AS PER CIVIL

ENGINEERING DRAWINGS

ROOT CANADA CORP.

T: 800 561 3883

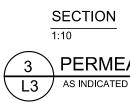
DRAWINGS

NOTES

2 ROOT BARRIER

L3 1:10

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OALA

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LANDSCAPE ARCHITECTS

	HEB
B&A Project No.	19-29
Drawing No.	
L3	

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