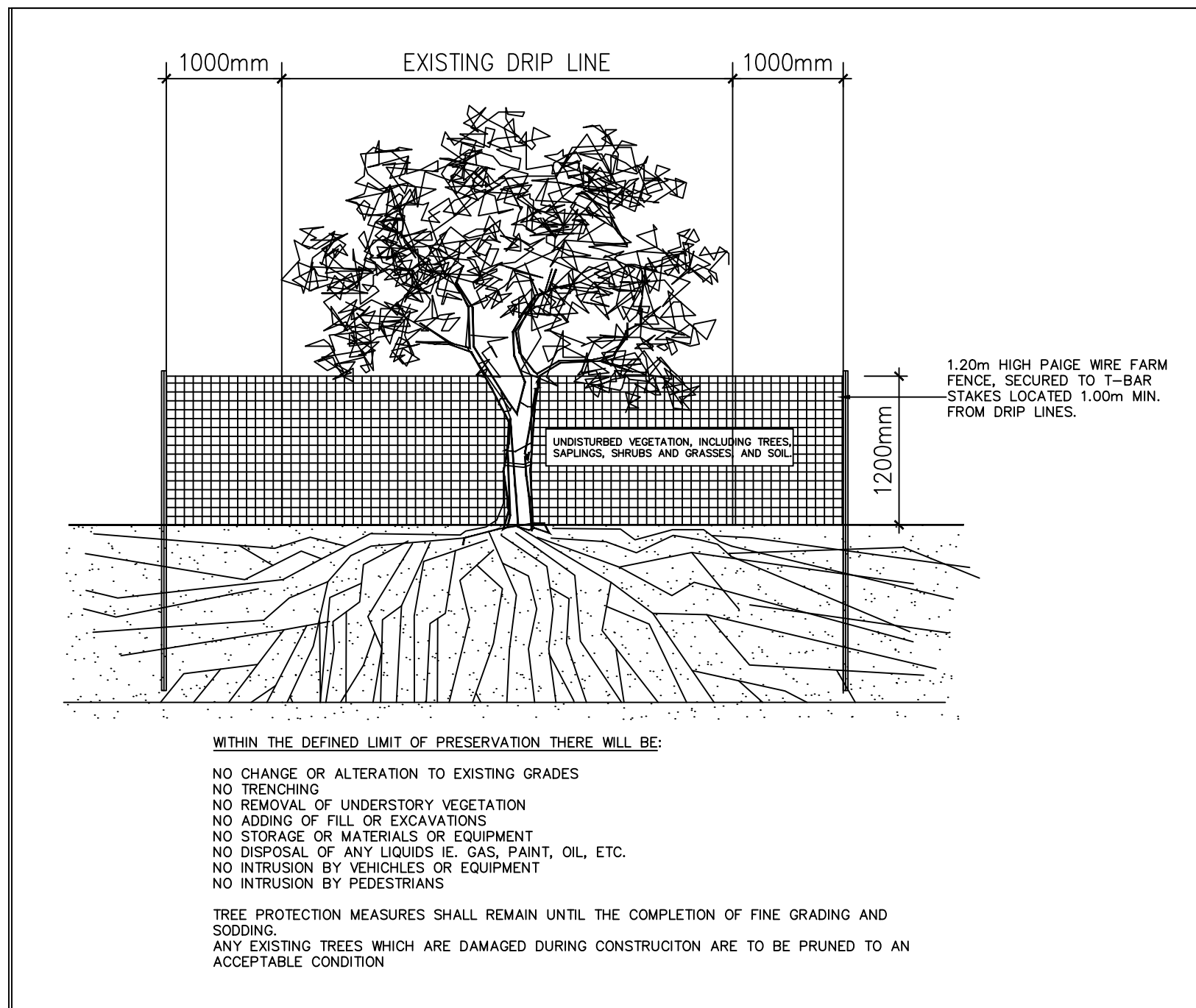
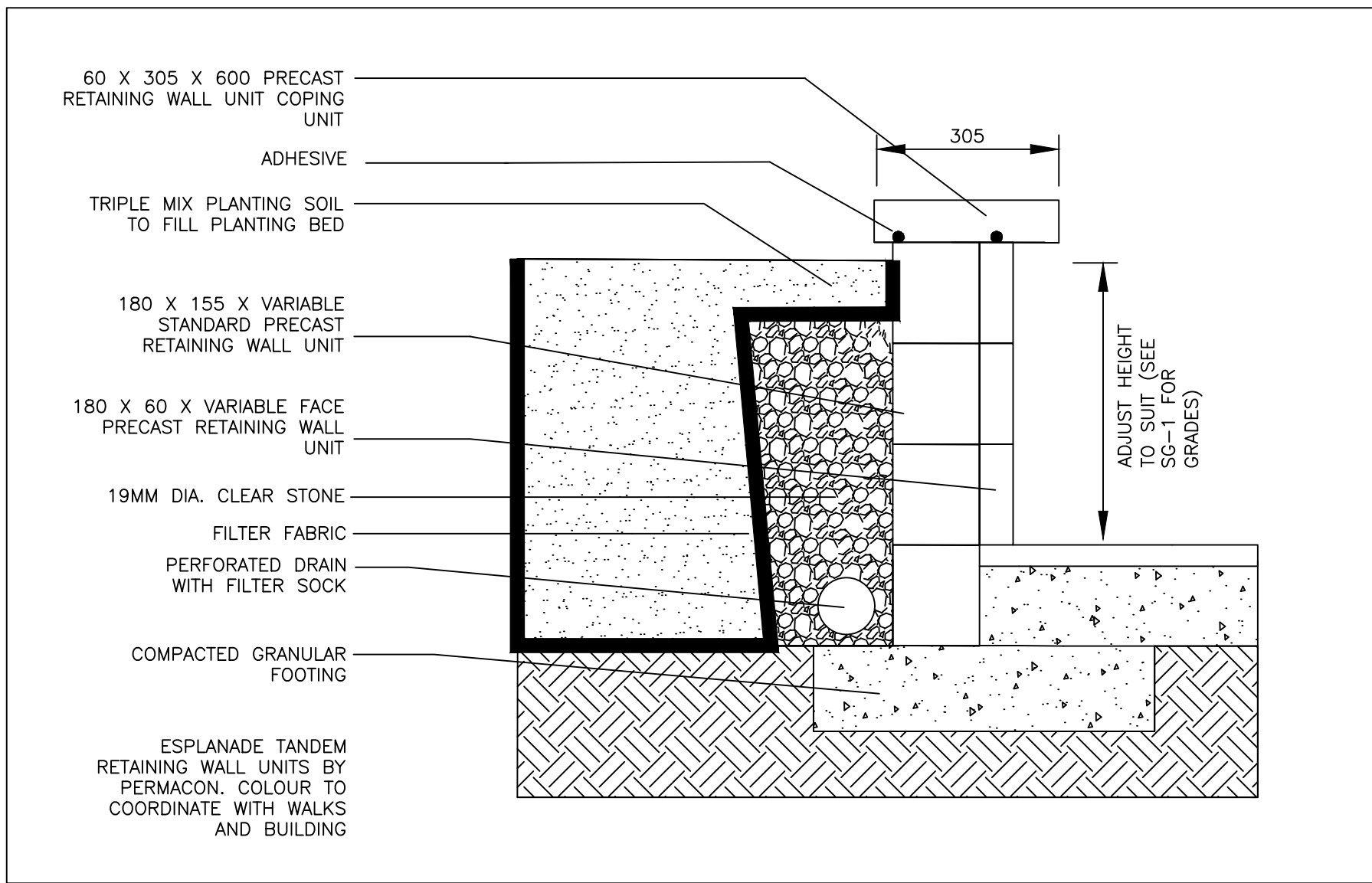


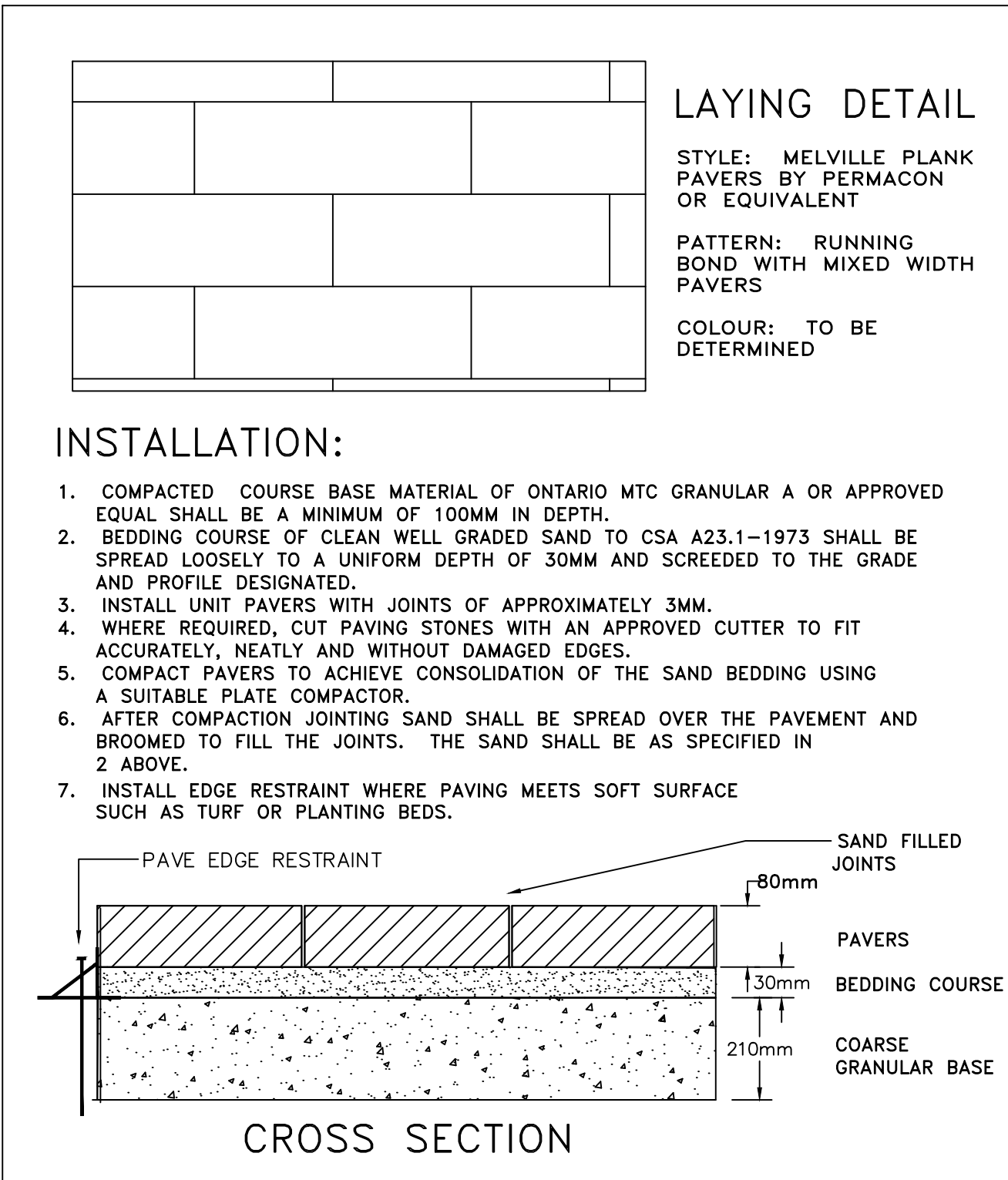
5 RIVERSTONE DETAIL
L202 SCALE: NTS



7 TREE PRESERVATION FENCING DETAIL
L202 SCALE: NTS



8 LANDSCAPE RETAINING WALL DETAIL
L202 SCALE: 1:10



6 UNIT PAVER DETAIL
L202 SCALE: NTS



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MLB400 SERIES

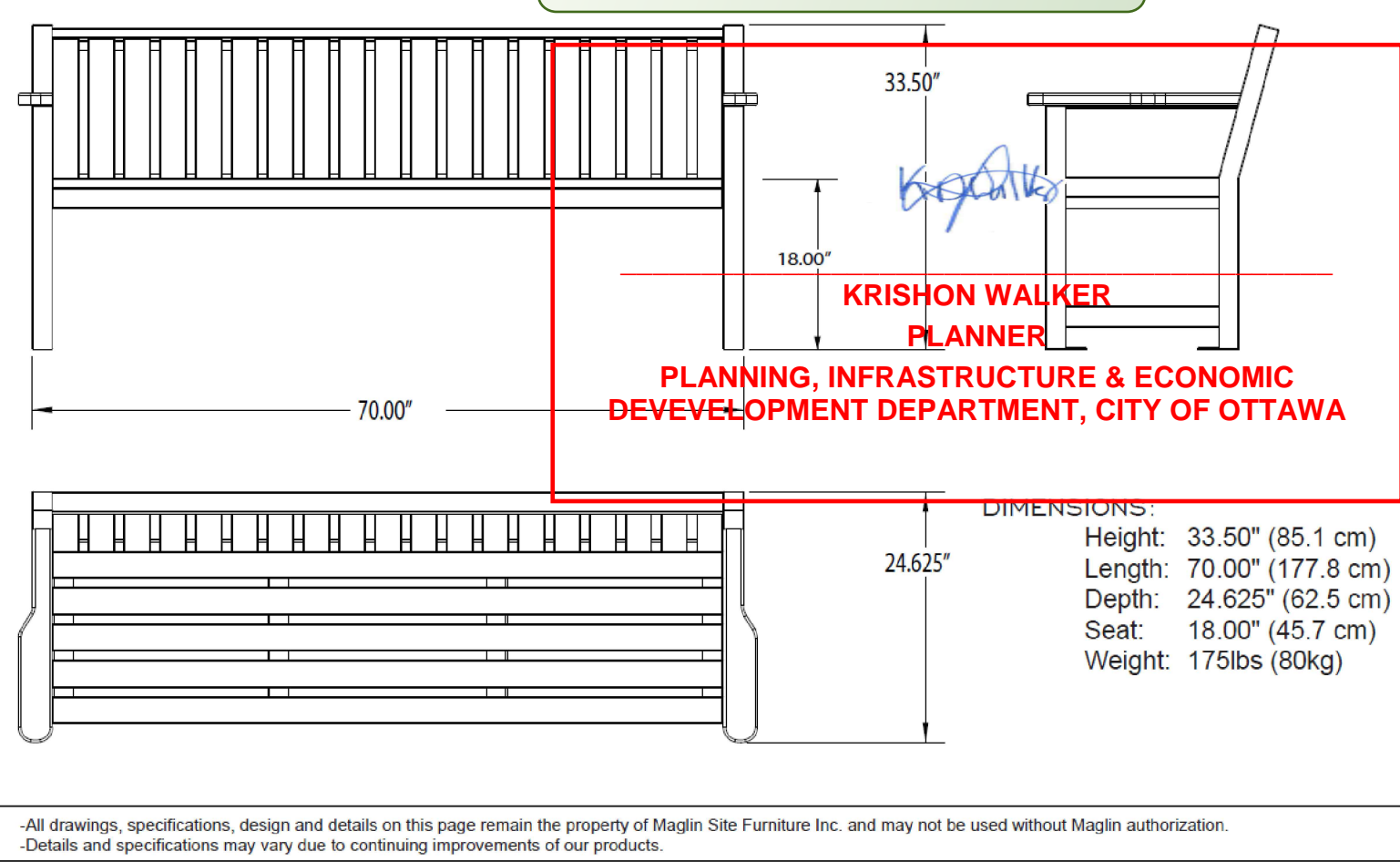
MATERIALS: Bench frame is made from H.S. steel tube and flat bar. The seat and back employ 1pe wood slats, High Density Paper Composite or recycled plastic slats.

FINISH: All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces. Wood slats are finished with penetrating sealers.

INSTALLATION: The bench is delivered pre-assembled. Holes (0.5") are provided in each foot for securing to base.

TO SPECIFY: Select MLB400 Series Choose:

- 1pe MLB400-W
- HDPC
 - MLB400-PCC (Charcoal)
 - MLB400-PCB (Dark Brown)
- Recycled Plastic
 - MLB400-RC (Cedar)
 - MLB400-RS (Sage)
 - MLB400-RG (Grey)
- Powdercoat Color



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9 BENCHES
L202 SCALE: N.T.S.

LANDSCAPE NOTES

GENERAL NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE PRIOR TO THE COMMENCEMENT OF WORK.
2. GRADES WITHIN THE SITE AND AT PROPERTY LINE SHALL NOT EXCEED A 3:1 SLOPE.
3. THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL UNDERGROUND SERVICES AND UTILITIES STAKED OUT PRIOR TO PLANTING.
4. PROTECTIVE FENCING IS TO BE ERECTED AROUND ALL EXISTING TREES TO BE PRESERVED WITHIN THE CONSTRUCTION AREA TO 1.0M BEYOND THE "DRIPLINE" AS NOTED ON THE OVERALL LANDSCAPE PLAN.
5. ALL PROTECTIVE FENCING IS TO REMAIN IN PLACE AND IN GOOD REPAIR THROUGHOUT CONSTRUCTION. NO HEAVY EQUIPMENT IS TO BE OPERATED WITHIN THE PROTECTED AREA OF TREES TO BE SAVED.
6. NO EXCAVATION SHOULD BE CARRIED OUT WITHIN THE DRIPLINES OF THE TREES TO BE SAVED.
7. FLOODING WITHIN THE PROTECTED AREA IS TO BE AVOIDED.
8. NO MATERIALS OR EQUIPMENT IS TO BE STORED WITHIN THE PROTECTIVE FENCING.
9. NO CONTAMINANTS ARE TO BE DUMPED WITHIN THE PROTECTIVE FENCING.
10. ANY LIMBS THAT ARE TO BE CUT OR REMOVED TO ACCOMMODATE CONSTRUCTION WORK WILL BE REMOVED CAREFULLY WITH PROPER PRUNING EQUIPMENT.
11. IF ANY ROOT SYSTEMS OF PROTECTED TREES ARE EXPOSED OR DAMAGED BY CONSTRUCTION WORK, THEY SHALL BE TRIMMED NEATLY AND THEN BROOKLIED WITH TOPSOIL TO PREVENT DESICCATION.
12. IF NECESSARY, THE TREES WILL BE GIVEN AN OVERALL PRUNING TO RESTORE THE BALANCE BETWEEN ROOTS AND TOP GROWTH OR TO RESTORE THE APPEARANCE OF THE TREE.
13. ANY PRESERVED TREES THAT HAVE DIED OR HAVE BEEN DAMAGED BEYOND REPAIR, SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE WITH TREES OF A SIZE AND SPECIES AS APPROVED BY THE OWNER'S REPRESENTATIVE.

TOPSOIL & FINISH GRADING:

15. ALL SOIL SHALL BE TESTED BY A ASTM/CSA ACCREDITED SOIL TESTING LABORATORY AT THE SOURCE BEFORE DELIVERY TO THE SITE.
16. THE CONTRACTOR IS RESPONSIBLE FOR AMENDMENTS AS RECOMMENDED BY THE SOIL TESTING LABORATORY.
17. TOPSOIL IS TO BE FREE OF SUBSOIL, STONES 50MM IN DIAMETER OF LARGER, ROOTS, WEEDS, DEBRIS AND TOXIC MATERIAL.
18. CONTRACTOR TO VERIFY THAT GRADES ARE CORRECT PRIOR TO PLACEMENT OF TOPSOIL.
19. CULTIVATE THE ENTIRE AREA TO RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 100mm.
20. GRADE SOIL, ELIMINATING UNEVEN AREAS AND LOW SPOTS TO ENSURE POSITIVE DRAINAGE.
21. SPREAD TOPSOIL TO THE FOLLOWING MINIMUM DEPTHS AFTER SETTLEMENT:
 - 150mm FOR SODDED AND SEEDDED AREAS
 - 150mm FOR SHRUB BEDS
 - 900mm FOR TREE PLANTING AREAS
22. TOPSOIL FOR SODDED AREAS AND PLANTING BEDS TO CONSIST OF:
 - 60-80% SAND
 - 6-10% CLAY
 - 20-40% SILT
 - 2-5% ORGANIC MATTER
 - PH OF 7.5 OR LESS
23. THE DEPTH OF TOPSOIL WILL BE INSPECTED PRIOR TO SOD OR SEED APPLICATION.

PLANTING:

24. THE QUANTITIES INDICATED ON THE PLAN SUPERSEDE THE TOTALS ON THE PLANT LIST.
25. EXCAVATE AND PROVIDE PLANTING SOILS TO DEPTHS INDICATED BY PLANTING DETAILS.
26. ALL PLANT MATERIAL TO CONFORM TO THE CANADIAN NURSERY TRADES ASSOCIATION METRIC SPECIFICATIONS AND STANDARDS.
27. THE CONTRACTOR IS TO ENSURE THAT NO OPEN TREE PITS ARE LEFT UNATTENDED ON SITE.
28. ALL EVERGREENS ARE TO BE WRAPPED THE FIRST WINTER AT THE EXPENSE OF THE CONTRACTOR.
29. ALL TREES & SHRUBS ARE TO BE PLANTED AND STAKED IN ACCORDANCE WITH PLANTING DETAILS.
30. OBTAIN APPROVAL FOR SUBSTITUTIONS FROM THE CONSULTANT.
31. ALL TREE STAKES ARE TO BE REMOVED AT THE END OF THE WARRANTY PERIOD.
32. ALL SHRUBS ARE TO BE INSTALLED IN CONTINUOUS PLANTING BEDS.

SEEDING:

33. LAWN AREAS ARE TO BE SEEDDED WITH A LOW MAINTENANCE SEED MIXTURE CONSISTING OF:
 - 40% AUDUBON CREEPING RED FESCUE
 - 20% SOUTHPORT CHEWING FESCUE
 - 20% CASCADE CHEWING FESCUE
 - 20% FENWAY CREEPING RED FESCUE
34. HYDROSEED AT AT RATE OF 185KG PER HECTARE
35. EROSION CONTROL FABRICS TO BE INSTALLED ON ALL SLOPES GREATER THAN OR EQUAL TO 4:1.

SODDING:

36. SOD SHALL BE NO. 1 GRADE NURSERY GROWN CONFORMING TO THE CANADIAN NURSERY TRADES ASSOCIATION SPECIFICATIONS AND STANDARDS.
37. ALL SOD IS TO BE PLACED OVER A MINIMUM OF 150mm OF TOPSOIL.
38. BOULEVARD IS TO BE RESTORED WITH FINE GRADING AND SODDING BY CONTRACTOR.
39. THE BOTTOM OF ALL DRAINAGE SWALES ARE TO BE SODDED A MIN. OF 1.0m WIDE.
40. WHERE THERE IS ANY DELAY IN INSTALLATION, THE SOD SHALL BE KEPT MOIST, COOL AND PROTECTED AGAINST ADVERSE WEATHER CONDITIONS AT ALL TIMES UNTIL INSTALLATION.
41. WATER PLANT MATERIAL 3 TIMES A WEEK FOR FIRST 4 WEEKS AND THEN SUFFICIENTLY THEREAFTER TO MAINTAIN OPTIMUM GROWING CONDITIONS UNTIL FINAL ACCEPTANCE (ONE YEAR FROM INSTALLATION).
42. KEEP SOIL WITHIN PLANTING SAUCER AND WITHIN PLANTING BEDS FREE FROM WEEDS UNTIL FINAL ACCEPTANCE.
43. FERTILIZE SODDED AREAS ONE MONTH AFTER SODDING WITH 2:1:1 RATIO FERTILIZER SPREAD EVENLY AT RATE OF 1kg of Nitrogen/100m2 AND WATER IN WELL.
44. MAINTAIN SODDED AND SEEDDED AREAS WEED FREE UNTIL FINAL ACCEPTANCE.

WARRANTY:

45. ALL MATERIALS AND WORKMANSHIP TO BE GUARANTEED FOR ONE FULL YEAR FROM SUBSTANTIAL COMPLETION OF WORK.
46. THE CONTRACTOR IS TO REMEDY ANY DEFECTS AND PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THEREFROM WITHIN A PERIOD OF ONE YEAR. ALL PLANT MATERIAL USED AS REPLACEMENTS SHALL BE OF THE SAME QUALITY AND REQUIREMENTS PRESCRIBED FOR ORIGINAL MATERIALS.

PLANTING NOTES

CONTRACTOR IS RESPONSIBLE FOR OBTAINING WRITTEN CONFIRMATION OF UTILITY LOCATES PRIOR TO COMMENCING DIGGING

TRUNK PROTECTION:

- TRUNK WRAPPING IN PLACE PRIOR TO PLANTING TO BE TOTALLY REMOVED FOR TRUNK INSPECTION
- WHEN REQUIRED USE ONLY APPROVED TREE WRAP MATERIAL AND INSTALL FROM THE GROUND UP TO ABOVE THE LOWEST BRANCHES
- WRAP WITH PLASTIC RODENT GUARDS TO FIRST BRANCHES

PLANTING SOIL:

- TO BE 1/3 TOPSOIL, 1/3 MANURE, 1/3 SAND
- HOLE TO BE BACKFILLED AND CONCURRENTLY TAMPED AND WATERED TO ELIMINATE AIR POCKETS

MULCHING:

- MULCH WITH SHREDDED BARK OR COMPOSTED HARDWOOD CHIPS TO A MAXIMUM DEPTH OF 75mm OVER AN AREA OF THE ROOTBALL. KEEP MULCH 150mm AWAY FROM TRUNK

WATERING:

- ENSURE TREES ARE THOROUGHLY WATERED AT PLANTING AND AFTER AS SPECIFIED IN NOTES

ROOTBALL:

- ACTUAL HOLE TO BE 300mm WIDER AROUND THE PERIMETER OF THE ROOTBALL
- SOIL PREPARATION AREA TO BE 5X ROOTBALL DIAMETER
- SCARIFY SOIL PREPARATION AREA TO A DEPTH OF 300mm FOR AERATION

DECIDUOUS TREE PLANTING DETAIL N.T.S.



PLANTING NOTES

CONTRACTOR IS RESPONSIBLE FOR OBTAINING WRITTEN CONFIRMATION OF UTILITY LOCATES PRIOR TO COMMENCING DIGGING

PLANTING SOIL:

- IN HEAVY CLAY OR POORLY DRAINED SOIL ALL WOODY PLANTS TO BE PLACED SO THAT THE ROOT COLLAR IS POSITIONED 75-100mm HIGHER THAN SURROUNDING GRADE
- HOLE TO BE BACKFILLED AND CONCURRENTLY TAMPED AND WATERED TO ELIMINATE AIR POCKETS

MULCHING:

- MULCH WITH SHREDDED BARK OR COMPOSTED HARDWOOD CHIPS TO A MAXIMUM DEPTH OF 75mm OVER AN AREA OF THE ROOTBALL. KEEP MULCH 150mm AWAY FROM TRUNK

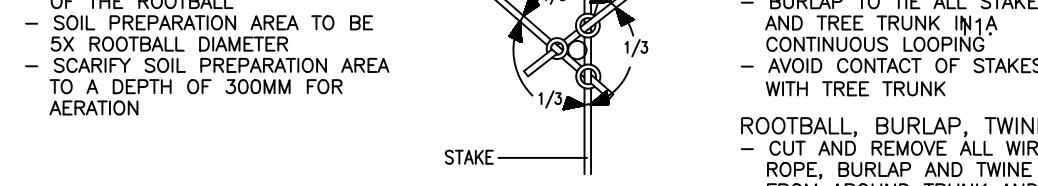
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CONIFEROUS TREE PLANTING DETAIL N.T.S.



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WATERING:

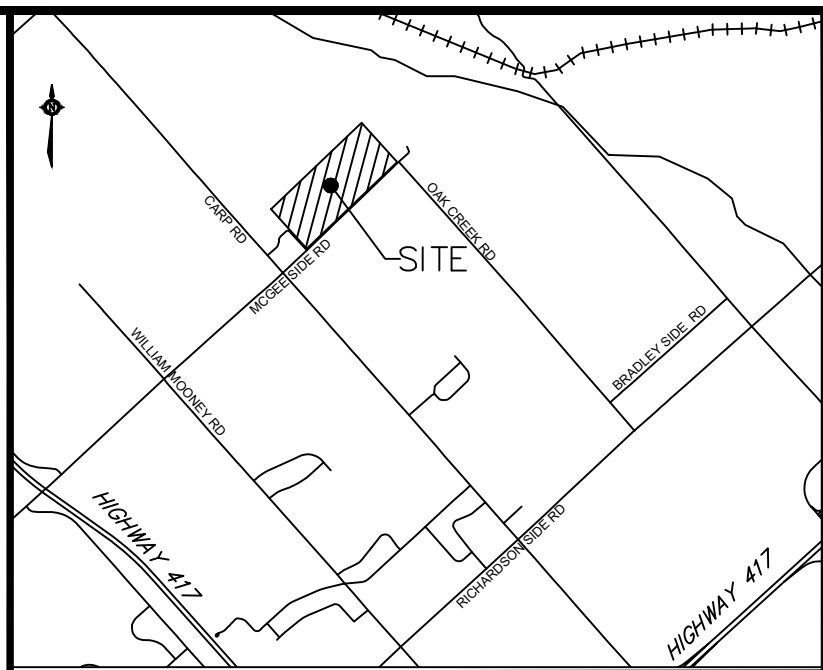
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- SCARIFY SOIL PREPARATION AREA TO A DEPTH OF 300mm FOR AERATION

SHRUB PLANTING

BALLED & BURLAPPED & CONTAINER GROWN N.T.S.

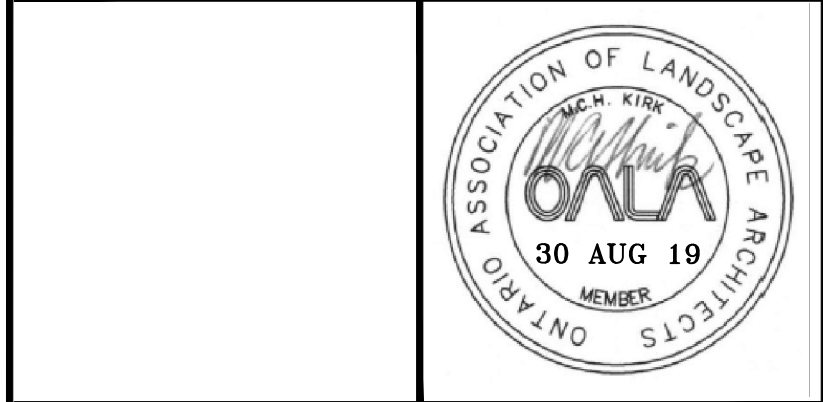


KEY PLAN Scale: n.t.s.

CONSULTANTS: PROPERTY OWNER: PINECREST REMEMBRANCE SERVICES LTD. 2500 BASELINE ROAD OTTAWA, ONT. K2C 3H9 (613) 829-3600	SOILS & ENVIRONMENTAL: GEMTEC CONSULTING ENGINEERS & SURVEYORS 32 STEAKIE DRIVE OTTAWA, ONTARIO K2K 2A9 (613) 829-3600
ARCHITECT: HOBAN ARCHITECTURE INCORPORATED 49 PAULLA STREET OTTAWA, ON K1S 9K7 (613) 721-0226	SURVEY: PARLEY, SMITH & PENS SURVEYING LTD. 190 COLLADE ROAD, UNIT #10 OTTAWA, ONTARIO K2K 1G5 (613) 721-0226
SITE SERVICES: NAVATECH ENGINEERING CONSULTANTS LTD. SUITE 100 140 MICHAEL COMPLAIN DRIVE OTTAWA, ON K2M 6F6 (613) 254-2649	MECHANICAL: DEKALAY & ASSOCIATES LTD. SUITE 400 - 505 MARCH ROAD OTTAWA, ON K2K 2M5 (613) 254-5566
LANDSCAPE: CATHERINE H. KIRK LANDSCAPE ARCHITECT 1379 CONNEXION 10, FORMOSA, ONT. N0G 1W0 TEL: (519) 623-9324	ELECTRICAL: WSP 248 GLENSVIEW DR. OTTAWA, ON K2B 8K3 (613) 430-5792
STRUCTURAL: DART STRUCTURAL ENGINEERS #11 - 300 EARL GREY DRIVE, SUITE 210 OTTAWA, ON K1T 1C1 (613) 925-8972	

No.	Date	Description
6	16 DEC 19	ISSUED FOR BUILDING PERMIT
5	20 NOV 19	RESUBMIT FOR SITE PLAN APPROVAL
4	30 AUG 19	RESUBMIT FOR SITE PLAN APPROVAL
3	15 JUN 19	SUBMIT FOR SITE PLAN APPROVAL
2	29 MAY 19	COORDINATED WITH GRADING/SERVICING
1	24 AUG 18	ISSUED FOR PRICING

Revisions:



CATHERINE H. KIRK
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HIGHLAND PARK REMEMBRANCE
2037 MCGEE SIDE ROAD
OTTAWA, ONTARIO

LANDSCAPE NOTES & DETAILS

Scale: AS NOTED

Date: 13 MARCH 2018

Project No.: 201721

File No.: D07-12-19-0112

Drawing Number: L202