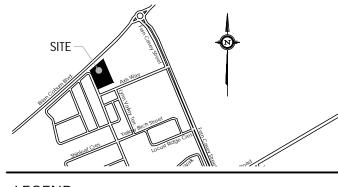


Contractor shall check all dimensions on the work and report any discrepancy to the Landscape Architect before proceeding. All drawings and specifications are the property of the Landscape Architect and must be returned at the completion of the work. This drawing is not to be used for construction until signed by the

Landscape Architect.



200001 5.55	If any sure to the	
EGEND		
	PROPERTY LINE	
ENCING		
	DECORATIVE FENCE	
ANTING		
Contract of the second of the	LARGE DECIDUOUS TREE	
A Comment	MEDIUM DECIDUOUS TREE	

MEDIUM DECIDUOUS TREE SMALL DECIDUOUS TREE CONIFEROUS TREE TREE FORM SHRUB DECIDUOUS/CONIFEROUS SHRUB GRASSES/PERENNIALS SODDING PRECAST EDGER

PAVING LIGHT DUTY ASPHALT WALKWAYS PRECAST UNIT PAVERS RIVERSTONE PAVING

PLANTING KEY TREE SPECIES QUANTITY ____ TREE SPECIES

CRUSHED GRANITE

SHRUB/PERENNIAL SPECIES QUANTITY DETAIL KEY 1 DETAIL NO.

L1 SHEET NO. TREE CONSERVATION REPORT

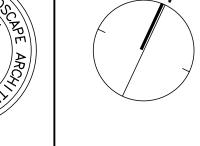
CRITICAL ROOT ZONE TREE IDENTIFICATION NUMBER TREE TO BE REMOVED

2 Issued for First Submission 24-11-04 1 Issued for Client Review 24-10-25 Date No. Description

Revision City Approval Stamp

PROPERTY INFORMATION BLOCK 140 REGISTERED PLAN 4M-15144





design strategies

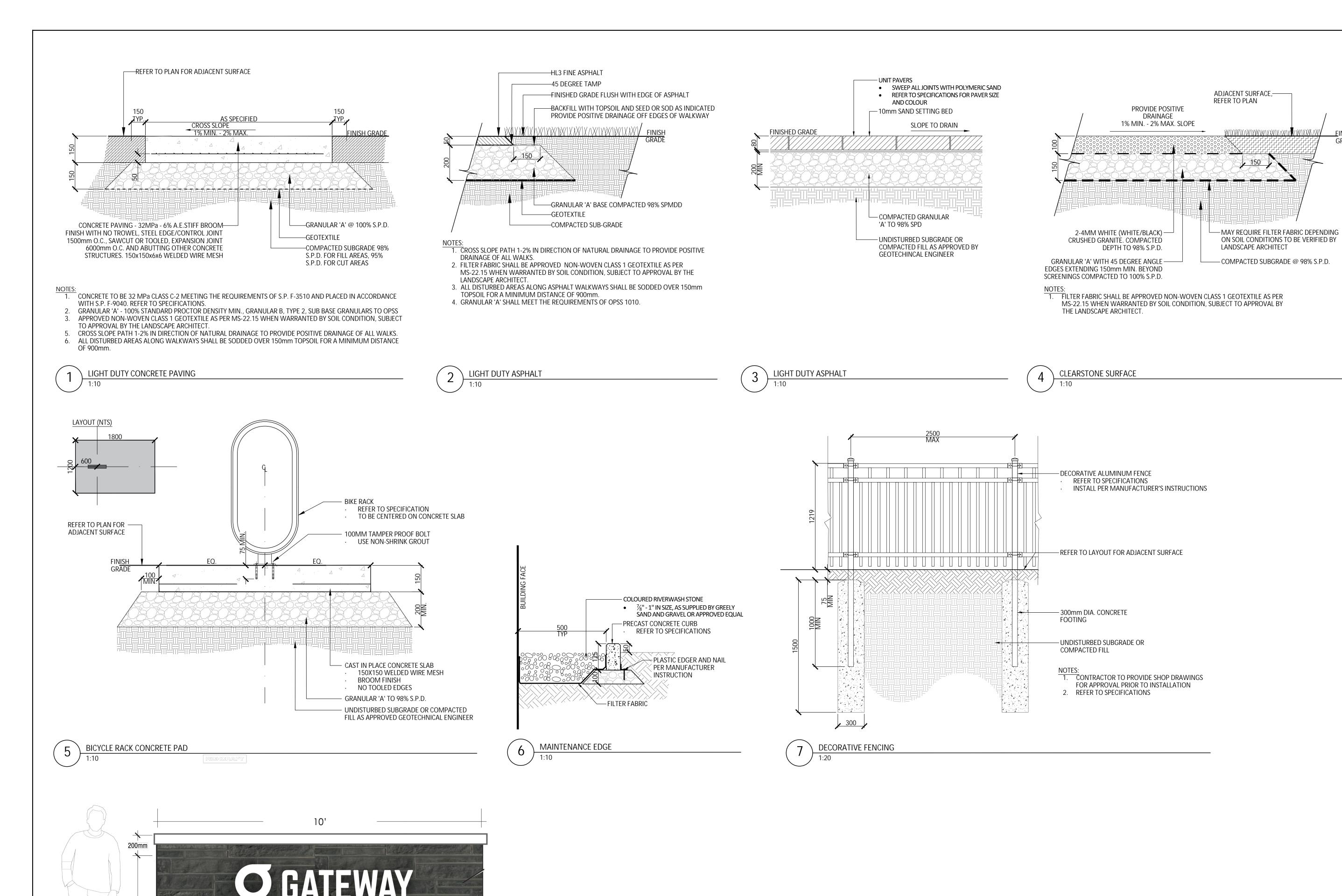
1285 WELLINGTON STREET, OTTAWA, ON K1Y 3A8 CANADA T 613.237.2345 NAKDESIGNSTRATEGIES.COM

640 COMPASS STREET OTTAWA, ON

LANDSCAPE SITE PLAN

Date 2024-10-07 Scale 1:250 Drawn MK Checked MK Job No. 24-089

PLAN N° XXXXX



FRONT

8 ENTRANCE FEATURE WALL

Contractor shall check all dimensions on the work and report any discrepancy to the Landscape Architect before proceeding. All drawings and specifications are the property of the Landscape Architect and must be returned at the completion of the work. This drawing is not to be used for construction until signed by the Landscape Architect.

Key

-		
-		
-		
-		
-		
2	Issued for First Submission	24-11-04
1	Issued for Client Review	24-10-25
No.	Description	Date
Revis	sion	

City Approval Stamp

PROPERTY INFORMATION
BLOCK 140 REGISTERED PLAN 4M-15144



design strategies

1285 WELLINGTON STREET, OTTAWA, ON K1Y 3A8 CANADA T 613.237.2345 NAKDESIGNSTRATEGIES.COM

640 COMPASS STREET

LANDSCAPE DETAILS

Date 2024-10-09
Scale AS NOTED
Drawn SW
Checked MK

Job No. 24-251

L2.0

-Stake beyond edge of root ball USING ONE (1) STAKE 2400mm (MIN) LONG. SECURE TRUNK IN THE DIRECTION OF PREVAILING WIND WITH ARBOR TIES. ARBOR TIE SHALL BE FASTENED IN A MANNER WHICH SUPPORTS TREE, AND ALLOWS FOR SLACK TO PERMIT SOME TRUNK MOVEMENT REMOVE DAMAGED OR OBJECTIONABLE BRANCHES, FOLLOW THE MOST RECENT CANADIAN NURSERY & TRADES ASSOCIATION PRACTICE. DO NOT PRUNE LEADER. PRUNE ONLY WHEN TREE IS DORMANT. ROOT COLLAR TO BE SET 100mm ABOVE FINISHED GRADE -75mm SHREDDED MULCH AS PER SPECIFICATIONS -CONSTRUCT 100mm SAUCER AROUND TREE BASE -TOPSOIL MIX, LIGHTLYCOMPACT AND WATER WELL TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT –CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 1/3 OF ROOT BALL WITHOUT DISTURBING ROOTS -SCARIFY SURFACE OF SUBGRADE PRIOR TO PLANTING -MIN 150mm TAMPED MOUND OF PLANTING SOIL TO PREVENT SETTLEMENT REMOVE STAKE AFTER ONE YEAR OR UNTIL TAKEOVER UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT.

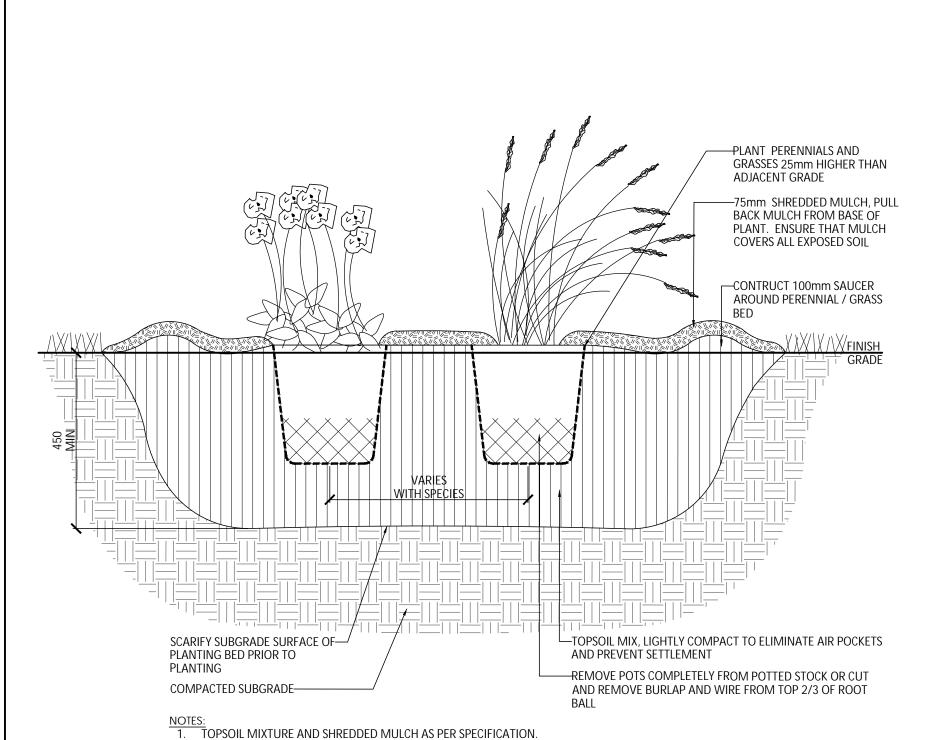
2. TOPSOIL MIXTURE AND SHREDDED MULCH AS PER SPECIFICATION

TREE FORM SHRUB PLANTING

DECIDUOUS TREE PLANTING (ONE STAKE W/ARBOR TIES)

REMOVE DAMAGED OR OBJECTIONABLE BRANCHES, FOLLOW THE MOST RECENT CANADIAN NURSERY & TRADES ASSOCIATION PRACTICE. DO NOT PRUNE LEADER -75mm DEPTH SHREDDED MULCH. PULL BACK MULCH FROM BASE OF SHRUBS. ENSURE THAT MULCH COVERS ALL EXPOSED SOI WITH SPECIES REMOVE POTS COMPLETELY FROM POTTED STOCK OR CUT AND REMOVE BURLAP AND WIRE FROM TOP 2/3 OF ROOT -TOPSOIL MIX, LIGHTLY COMPACT ADD WATER TO WELL TO CUT AND REMOVE BURLAP— ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT AND WIRE BASKET FROM TOP 2/3 OF ROOT BALL -SCARIFY SUBGRADE SURFACE OF PLANTING BED PRIOR TO PLANTING TOPSOIL MIXTURE AND SHREDDED MULCH AS PER SPECIFICATION. SHRUBS SPECIFIED TO BE PLANTED SO THAT ROOTS ARE FULLY EXTENDED IN PLANTING HOLE WITH SOIL MIX BACKFILLED CAREFULLY TO PREVENT ROOT DAMAGE 3. PROVIDE 100mm HIGH EARTH SAUCER AROUND SHRUB BED.

SHRUB BED PLANTING



PROVIDE 100mm HIGH EARTH SAUCER AROUND PERENNIAL/GRASS BED.

PERENNIAL AND ORNAMENTAL GRASS PLANTING

PRUNE (TO SUIT SPECIES) TO REMOVE DAMAGED OR OBJECTIONABLE BRANCHES, FOLLOW THE MOST RECENT CANADIAN NURSERY & TRADES ASSOCIATION PRACTICE. DO NOT PRUNE LEADER -STAKE BEYOND EDGE OF ROOT BALL USING ONE (1) STAKE 2400mm (MIN) LONG. SECURE AT MAIN BRANCH WITH ARBOR TIE OR APPROVED EQUAL -75mm DEPTH SHREDDED MULCH, PULL BACK MULCH FROM BASE OF TREE TRUNK, ENSURE THAT MULCH COVERS ALL EXPOSED SOIL CONSTRUCT 100mm SAUCER AROUND MULTI-STEM TREE BASE -TOPSOIL MIX, LIGHTLY COMPACT AND WATER WELL TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT -SCARIFY SUBGRADE SURFACE OF PLANTING BED PRIOR TO PLANTING CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 2/3 OF ROOT BALL TOPSOIL MIXTURE AND SHREDDED MULCH AS PER SPECIFICATION. PROVIDE 100mm HIGH EARTH SAUCER AROUND SHRUB BED. -COMPACTED SUBGRADE STAKES TO BE REMOVED AFTER ONE YEAR OR UNTIL TAKEOVER UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT.

TREE PRESERVATION / REMOVAL NOTES:

SEED AS INDICATED.

- TREES IDENTIFIED FOR RETENTION ARE IN MODERATE TO GOOD CONDITION AND CAN BE REASONABLE PROTECTED FROM CONSTRUCTION ACTIVITIES, GIVEN ADEQUATE TREE PROTECTION MEASURES AS DESCRIBED ARE TAKEN.
- 2. USE OF HYDRO VAC TECHNOLOGIES AND HAND PRUNING SHALL BE USED TO ENSURE A CLEAN INTERFACE FOR PROPER ROOT PRUNING BY A QUALIFIED ARBORIST (ISA CERTIFIED)
- 3. A QUALIFIED ARBORIST (ISA CERTIFIED) OR OTHER TREE PROFESSIONAL AS APPROVED BY THE CITY OF OTTAWA MUST PRUNE ROOTS OR BRANCHES THAT EXTEND BEYOND PRESCRIBED TREE PROTECTION ZONE AS REQUIRED. ALL PRUNING OF TREE ROOTS AND BRANCHES MUST BE IN ACCORDANCE WITH GOOD ARBORICULTURAL STANDARDS.
- 4. TREES SHALL BE INSPECTED BY THE LANDSCAPE ARCHITECT OR CITY FORESTER REGULARLY FOR DAMAGE INCURRED DURING CONSTRUCTION TO ENSURE APPROPRIATE PRUNING OR OTHER MEASURES ARE
- 5. THE AREAS WITHIN THE TREE PROTECTION ZONE MUST REMAIN UNDISTURBED AT ALL TIMES. NO WORK OR MATERIAL STORAGE IS PERMITTED WITHIN THE TREE PROTECTION ZONE.
- 6. TREES THAT HAVE DIED OR HAVE BEEN DAMAGED BEYOND REPAIR WILL BE REMOVED AND REPLACED WITH TREES OF AN EQUIVALENT SIZE AND SPECIES AS APPROVED BY THE LANDSCAPE ARCHITECT OR CITY
- 7. TREE PROTECTION FENCE MUST NOT BE REMOVED WITHOUT THE WRITTEN AUTHORIZATION OF THE LANDSCAPE ARCHITECT.
- 8. ALL DISTURBED AREAS TO BE RESTORED TO FINISHED CONDITION WITH 150mm TOPSOIL AND SOD OR
- 9. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW
- REMOVAL WITH LANDSCAPE ARCHITECT AND THE CITY OF OTTAWA PRIOR TO ANY TREE CUTTING. 10. IF CUTTING OF ROOTS OR CHANGING OF GRADES AROUND EXISTING TREES IS SPECIFIED, FOLLOW
- APPROPRIATE DETAILS AS DIRECTED BY LANDSCAPE ARCHITECT. 11. INSTALL TREE PROTECTION FENCE TO SATISFACTION OF THE LANDSCAPE ARCHITECT. TREE PROTECTION
- SHALL REMAIN UNTIL SUBSTANTIAL PERFORMANCE OF THE PROJECT OR UPON WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT.
- 12. INSTALLATION OF TREE PROTECTION FENCE SHALL BE LOCATED AT THE CRITICAL ROOT ZONE. CRITICAL ROOT ZONE: 10cm x DIAMETER AT BREAST HEIGHT (DBH) EXAMPLE: DBH = 30cm; CRZ = 300cm / 3.0m
- 13. THE FOLLOWING TREE PROTECTION MEASURES WILL BE PROVIDED TO ENSURE THE PRESERVATION OF THE TREES IDENTIFIED IN THE DETAILED TREE PLANTING AND CONSERVATION PLAN TO THE
- SATISFACTION OF FORESTRY SERVICES: 13.a. EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE, PARK, BE REPAIRED OR REFUELLED; NOR SHALL CONSTRUCTION MATERIALS BE STORED OR ANY EARTH MATERIALS BE STOCKPILED; WITHIN THE TREE PROTECTION FENCE OR WITHIN THE CRITICAL ROOT ZONE OF ANY TREE. WASTE OR VOLATILE MATERIALS, SUCH AS MINERAL SPIRITS, OIL OR PAINT THINNER SHALL NOT BE DISPOSED OF ON
- 13.b. WHEN EXCAVATION MUST TAKE PLACE WITHIN THE CRITICAL ROOT ZONE OF A TREE, A TRENCH SHALL BE DUG CAREFULLY BY HAND OR WITH A ROOT-CUTTING (STUMP GRINDER) OR STONE CUTTING (CUT-OFF) MACHINE ALONG THE FURTHEST REACH OF THE CUT.
- IF ANY TREE ROOTS ARE EXPOSED DURING CONSTRUCTION, THEY SHALL BE IMMEDIATELY REBURIED WITH SOIL OR COVERED WITH FILTER CLOTH OR WOOD CHIPS AND KEPT MOIST UNTIL THEY CAN BE BURIED PERMANENTLY.

GENERAL NOTES:

- 1. ALL PLANT MATERIAL SHALL BE NURSERY GROWN STOCK UNLESS OTHERWISE NOTED.
- 2. TREES TO HAVE A MINIMUM 1800 CLEAR STEM ABOVE GRADE.
- 3. CONTRACTOR TO MAKE GOOD ALL EXISTING AREAS DAMAGED BY HIS WORK TO THE SATISFACTION OF THE CONTRACTOR.
- 4. ALL PLANT MATERIAL SHALL BE WARRANTIED FOR TWO YEARS FROM THE DATE OF SUBSTANTIAL
- 5. CONTRACTOR TO VERIFY LOCATION OF ALL SERVICES PRIOR TO ANY EXCAVATION.
- 6. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE AND ONLY AFTER APPROVAL OF THE LANDSCAPE ARCHITECT.

TREE PLANTING IN MARINE CLAY SOILS

THE LANDSCAPE CONSIDERATIONS CONTAINED WITHIN SEC. 6.7 OF PATERSON GROUP'S GEOTECHNICAL INVESTIGATION, DATED SEPTEMBER 30, 2022.

- 1. THIS LANDSCAPE PLAN CONFORMS WITH THE TREE-TO-FOUNDATION SETBACK, SOIL VOLUME, AND SURFACE-GRADING REQUIREMENTS OUTLINED IN THE CITY OF OTTAWA'S GUIDELINES FOR TREE PLANTING IN SENSITIVE MARINE CLAY SOILS (2017), BASED ON THE FINDINGS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT BY PATERSON GROUP (REPORT PG6406-1 DATED SEPTEMBER 30, 2022).
- 2. ADDITIONAL REQUIREMENTS OUTLINED IN THE CITY OF OTTAWA'S GUIDELINES FOR TREE PLANTING IN SENSITIVE MARINE CLAY SOILS (2017), INCLUDING USF DEPTH, FOUNDATION WALL REINFORCEMENT, AND SUBDIVISION GRADING, SHOULD BE CONFIRMED BY THE PROJECT ENGINEER(S).
- 3. THE CONTRACTOR SHOULD REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE
- 4. CITY OF OTTAWA: GUIDELINES FOR TREE PLANTING IN SENSITIVE MARINE CLAY SOILS (2017): THE FOLLOWING GUIDELINES ARE PRIMARILY FOCUSED ON SMALL AND MEDIUM SIZE STREET TREES. HOWEVER, LARGE TREES (MATURE HEIGHT OVER 14M) CAN STILL BE PLANTED IN AREAS OF SMC SOILS PROVIDED A TREE TO FOUNDATION SETBACK EQUAL TO THE FULL MATURE HEIGHT OF THE TREE CAN BE PROVIDED (E.G. IN A PARK OR OTHER GREEN SPACE). FOR STREET TREES IN THE ROAD RIGHT-OF-WAY WHERE SMC SOILS HAVE BEEN IDENTIFIED. THE TREE TO FOUNDATION SETBACKS MAY BE REDUCED TO 4.5M FOR SMALL (MATURE TREE HEIGHT UP TO 7.5M) AND MEDIUM SIZE TREES (MATURE TREE HEIGHT 7.5M-14M) PROVIDED ALL OF THE FOLLOWING SIX CONDITIONS ARE MET:
- 4.1. THE MODIFIED PLASTICITY INDEX OF THE SOIL BETWEEN THE UNDERSIDE OF FOOTING (USF) AND A DEPTH OF 3.5M GENERALLY DOES NOT EXCEED 40%. THIS CORRESPONDS TO SOILS WITH LOW/MEDIUM POTENTIAL FOR SOIL VOLUME CHANGE. CLAY SOILS THAT EXCEED THE 40% PLASTICITY INDEX ARE CONSIDERED TO HAVE HIGH POTENTIAL FOR SOIL VOLUME CHANGE. FOR THESE WORST-CASE SOILS, THE SETBACKS AND TREE PLANTING RESTRICTIONS REMAIN UNCHANGED FROM THE 2005 CLAY SOILS POLICY (TREE SETBACK MUST EQUAL THE MATURE HEIGHT OF THE TREE
- I.E. 7.5M SETBACK FOR SMALL TREES). 4.2. THE USF IS 2.1M OR GREATER BELOW THE LOWEST FINISHED GRADE. NOTE: THIS FOOTING LEVEL MUST BE SATISFIED FOR FOOTINGS WITHIN 10M OF THE TREE, AS MEASURED FROM THE CENTRE OF THE TREE TRUNK, AND VERIFIED BY MEANS OF THE GRADING PLAN AS INDICATED IN THE
- PROCEDURAL CHANGES BELOW. 4.3. A SMALL SIZE TREE MUST BE PROVIDED WITH A MINIMUM OF 25M3 OF AVAILABLE SOIL VOLUME, AS DETERMINED BY A LANDSCAPE ARCHITECT. A MEDIUM SIZE TREE MUST BE PROVIDED WITH A MINIMUM OF 30M3 OF AVAILABLE SOIL VOLUME, AS DETERMINED BY A LANDSCAPE ARCHITECT. THE DEVELOPER WILL ENSURE THE SOIL IS GENERALLY UNCOMPACTED WHEN BACKFILLING IN
- STREET TREE PLANTING LOCATIONS. 4.3.1. THE SOIL VOLUME CALCULATION MUST BE BASED ON A DEPTH OF 1.5M BELOW FINISHED GRADE (E.G. 5M LENGTH X 4M WIDTH AT SURFACE X 1.5M DEPTH = 30M3). IT MAY INCLUDE LANDS IN THE RIGHT-OF-WAY AND ON PRIVATE PROPERTY, BUT MUST SUBTRACT THE VOLUME OF SHALLOW UTILITY TRENCHES (I.E. VOLUME OF SHALLOW UTILITY TRENCHES CANNOT COUNT
- TOWARDS MINIMUM SOIL VOLUME). 4.4. THE TREE SPECIES MUST BE SMALL TO MEDIUM SIZE, AS CONFIRMED BY A LANDSCAPE ARCHITECT IN
- THE LANDSCAPE PLAN. 4.5. THE FOUNDATION WALLS ARE TO BE REINFORCED AT LEAST NOMINALLY (MINIMUM OF TWO UPPER AND TWO LOWER 15M BARS IN THE FOUNDATION WALL) TO PROVIDE DUCTILITY AS DESCRIBED IN
- THE GEOTECHNICAL REPORT. 4.6. GRADING SURROUNDING THE TREE MUST PROMOTE DRAINING TO THE TREE ROOT ZONE (IN SUCH A MANNER AS NOT TO BE DETRIMENTAL TO THE TREE), AS NOTED ON THE SUBDIVISION GRADING

-		
-		
-		
-		
-		
2	Issued for First Submission	24-11-04
1	Issued for Client Review	24-10-25
No.	Description	Date

City Approval Stamp

PROPERTY INFORMATION BLOCK 140 REGISTERED PLAN 4M-15144





1285 WELLINGTON STREET, OTTAWA, ON K1Y 3A8 CANADA T 613.237.2345 NAKDESIGNSTRATEGIES.COM

LANDSCAPE DETAILS

Date 2024-10-09 Scale AS NOTED Drawn SW Checked MK

Job No. 24-251

Contractor shall check all dimensions on the work and report any discrepancy to the Landscape Architect before proceeding. All drawings and specifications are the property of the Landscape Architect and must be returned at the completion of the work. This drawing is not to be used for construction until signed by the

Landscape Architect.