DATE

REVISION

REVISION

DATE

DAMAGE TO THEM.

TREE PROTECTION

Implement the following protection measures for retained trees, both on site and on adjacent sites, prior to any work activity, including tree removal. Maintain tree protection fence in place and in good condition for the duration of site works:

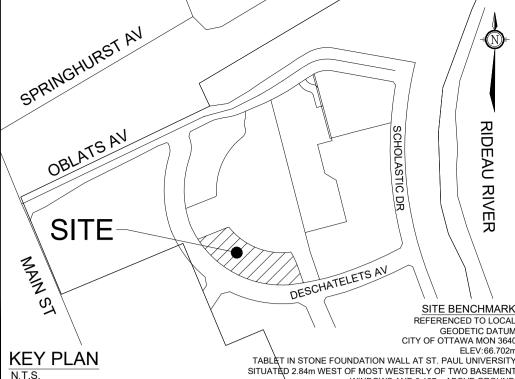
- 1. The Landscape Architect or Certified Arborist is to determine the location of the tree protection fencing and detail it on any associated plans for the site (e.g. tree conservation report, tree disclosure report, etc.).
- 2. Under the guidance of a Landscape Architect or Certified Arborist, erect a fence at the critical root zone (CRZ) of trees. Diameter at breast height (DBH) is the trunk diameter measured at 1.3m height on the tree trunk. The CRZ is calculated as DBH x 10. Refer to the Tree Protection Fence
- Refer to the Tree Protection Plan for fence location. City Forestry Staff are to approve both the plan and the installed
- fence prior to work commencement. Do not place any material or equipment within 2m of the CRZ
- Do not attach any signs, notices, or posters to any tree. Do not disturb, raise, or lower the existing grade within the CRZ without approval.
- Only tunnel or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ; absolutely no machinery permitted.
- Do not damage the root system, trunk, or branches, or any
- Do not extend hard surface or significantly change
- 10. Ensure that exhaust fumes from all equipment are directed
- Prior to work taking place, notify and consult the Landscape Architect and City Forestry Staff if roots must be cut. Roots 20mm or larger should be cut at right angles with clean, sharp horticultural tools without tearing, crushing, or pulling. Refer to City of Ottawa Specification S.P. F-8011 Tree Protection,
- 12. If damaged or objectionable branches are observed, consult the Landscape Architect, before any work is conducted. Do not prune leaders. Do not prune more than 1/4 of crown. 13. Set up a water and fertilizing program, if trees are being
- 14. The Landscape Architect is to prescribe mitigation measures if the protected fenced area must be reduced to facilitate construction. Measures may include the placement of plywood, wood chips, or steel plating over the roots for protection. City Forestry Staff are to approve said measures
- natural areas in the City of Ottawa and trees on private property in the urban area of the City of Ottawa (2020-340).

TREE PLANTING IN SENSITIVE CLAY

- with the Geotechnical Investigation Report PG6948-1 prepared by Paterson Group, dated February 1, 2024 and the memo PG6948-MEMO.01 prepared by Paterson Group, issued by Scott S. Dennis, P.Eng on April 29, 2024, that confirms the categories and locations of clay soils.
- Guidelines for Tree Planting in Sensitive Marine Clay
- 4. The soil volumes provided are sufficient for a reasonable chance of tree survival. Unless otherwise noted, all new trees on City property meet the minimum soil volume requirements of the following, based on a depth of 1.5m below finished grade, and subtracting the volume of utility
- soil volume provided.
- provided per tree.

STREETSCAPE

There are no trees proposed in the Block 28.



LANDSCAPE LEGEND:

NORTH

DETAIL SHEET # NOVATECH OR CITY - DETAIL NUMBER SEE LIST EG. L<u>1</u>, L<u>2</u>, ETC. FOR CODE

EXISTING TREES TO RETAIN

CRITICAL ROOT ZONE OF TREES

PROPOSED TREE PROTECTION

APPROX. DEPTH OF 300mm

APPROX. DEPTH OF 1000mm

STAMPED CONCRETE

REFER TO 114025-TPP1

ORNAMENTAL GRASSES

PROPOSED DECIDUOUS TREES

FORECOURT PARK BLOCK

OFF-SITE DECIDUOUS TREES

OFF-SITE CONCRETE

EXISTING STREETLIGHTS

SIZE COND SPACING

50mm Cal WB As Shown

50mm Cal WB As Shown

50mm Cal WB As Shown

100cm Ht BB As Show r

60cmHt PT As Show

40cmHt PT 50cm Q 0

50cmHt PT 80cmO

60cmHt PT 120cm O.

40 cm Ht PT 70cm O.

PT 45cm O PT 45cm O.6

DECIDUOUS TREES PROPOSED IN THE

POURED CONCRETE TERRACE

PROPOSED DEEP ROOT PRUNING, 2025

STAMPED CONCRETE WITH CU SOIL &

ROOT PATHS, REFER TO 114025-TPP1

IMPACTED BY DEVELOPMENT

BUILDING LINE

RETAINING WALL. REFER TO SITE PLAN

SHALLOW ROOT PRUNING, 2024

ROOT PATHS.

RIVER STONE

PERENNIALS

SOD

PROPERTY LIMIT

affected by site works, to the satisfaction of the Landscape CRITICAL ROOT ZONE OF HERITAGE TREES

prior to fence movement. 15. City of Ottawa By-law: Protects municipal trees and municipal

- In this case tree planting is restricted by sensitive clay.
- The following City of Ottawa clay soils guideline applies: Soils-2017.
- a. Small tree (mature height up to 7.5m) 25m³ minimum
- b. Medium tree (mature height 7.5-14m) 30m³ minimum soil volume provided. Where trees share a continuous greenspace:
- c. Two (2) small trees 15m³ minimum soil volume provided
- d. Two (2) medium trees 18m³ minimum soil volume

- Adjacent to Block 28, there are 9 medium trees and 1 small tree proposed in the right of way, along Deschatelets Avenue.

GENERAL

information.

- Read and interpret this drawing/ drawing set in conjunction with all the contract details and specifications, including related civil, utility, structural, architectural, mechanical, electrical, environmental, geotechnical, and survey
- 2. The Contractor is to determine the exact location, size, material, and elevation of all existing utilities prior to commencing construction. Protect and assume responsibility for all existing utilities regardless of being shown on the
- 3. It is essential to use the plans and details in conjunction with the specifications and notes
- 4. Do not scale drawings. Work to dimensions only. 5. Protect all existing and retained vegetation for the duration of construction according to the contract details and
- 6. Reinstate all areas and items damaged or disturbed, beyond the Limit of Work, because of construction activities, including but not limited to construction staging areas, haul roads, stockpile areas, etc. to the satisfaction of the Consultant. Unless otherwise noted, Contractor is to reinstate all areas to pre-construction condition or better to the satisfaction of the Contract Administrator.

PLANTING

specifications.

- 1. Plant material to be No. 1 Grade and is to comply with Canadian Standards for Nursery Stock (latest edition) published by the Canadian Nursery Landscape Association.
- 2. Use structurally sound plant material with strong fibrous root system free of disease, defects, and injuries. Use trees with straight trunks, well and characteristically branched for species. Obtain approval from consultant of plant material at source prior to digging. All trees and shrubs to be container grown, potted, W/B or B/B, as indicated on Plant List. Bare root plants are only acceptable for certain species and as approved by the Landscape Architect.
- 3. Plant material substitutions are not be permitted without the written approval from the Consultant, with 48 hours notice, prior to shipping plant material. 4. Plant locations are schematic / approximate only. **Contractor**
- is to stake out locations on site for approval by the Landscape Architect prior to installation.
- 5. The illustrated number of plants shown in the Planting Plan supersedes the estimated number in the Plant List. Contractor to report any discrepancies to the Landscape Architect prior to installation. Contractor will assume full responsibility if the Landscape Architect is not notified.
- 6. Ensure trees are thoroughly watered following planting. Monitor material and ensure adequate moisture until
- 7. In heavy clay or poorly drained soils, set root ball with root
- collar 75-100mm higher than finished grade. 8. Approved topsoil depths are as follows:
- a. Plant Beds **450mm** continuous depth. Applies to
- shrubs, perennials, vines, and groundcovers. b. Sod/ Seed Areas - 100mm depth.
- Reforestation 300mm depth. 9. Sod to be No. 1 Kentucky Bluegrass Sod grown from
- minimum mixture of 3 Kentucky Bluegrass cultivars. Quality and source are to comply with Canadian Standards for Nursery Stock, Section 17, (latest edition) published by the Canadian Nursery Landscape Nursery Landscape
- 10. Apply the following mineral fertilizer unless soil tests show other requirements:
- a. Plant Beds (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash per manufacturer specifications. b. Sod Areas - (8-32-16), i.e. 8% Nitrogen, 32%

3-5 and evenly distribute these in the noted area.

Phosphorus, 16% Potash at a rate of 350kg/ha. 12. Where applicable, for any plant areas with a mix of species/ cultivars notes, Contractor is to cluster like plants in groups of

CITY DETAILS

NATIVE/

Related details from City of Ottawa Standard Tender Documents Volume No. 2 Standard Detail Drawings.

Typical Concrete Sidewalk in Boulevard Sidewalk Construction Joints Curb Return Entrances - Uncontrolled Intersections

NOVATECH DETAILS Found on Sheet L3.

D1. Standard Deciduous Tree Planting Private D2. Shrub and Perennial Planting D3. Tree Protection Fence

C Private D4. River Stone Detail

The elements on this plan illustrate the design intent and general constructability of the proposed landscape which will support the associated development. This is to demonstrate how the canopy cover, urban design, health, and climate change objectives of the Official Plan

will be met through tree planting and site design. This drawing is for City review only and is not intended for construction. Final detailed design and construction documentation is to be provided with certified 'Issued for Construction' drawings and specifications prior to construction.

ASSOCIATES Andrew K. Boyd, R.P.F. Consulting Urban Forester P.O. Box 13593, Kanata, Ontario, Canada K2K 1X6 Telephone Facsimile (613) 838-5717

www.ifsassociate.ca

Website

OMMON NAME

Chicagoland Hackbern

Autumn Gold Ginkao

Rovalty Crabapple

Black Chokeberr

Low Scape Mound Chokeberry

Moonbeam Threadleaf Coreopsis

Ruby Spice Summersweet

Winter Beauty Dogwood

Spessart Cranesbill

Rozanne Cranesbill

Gentle Shepherd Davlik

Happy Returns Daylily

Peach Magnolia Daylily

Northwind Switch Grass

Bow man's Root

Hicks Yew

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LOCATION **CITY of OTTAWA** GREYSTONE VILLAGE, BLOCK 28 (4M-1596)

DRAWING NAME

Private

355 DESCHÂTELETS AVE. LANDSCAPE PLAN AND TREE CONSERVATION PLAN

114025-00 REV # 9 114025-FT-L2

#19191