

- NOTE:
- REFER TO LD-1 FOR NOTES AND DETAILS.
 - FINAL LOCATIONS OF ALL TREES WILL BE CONFIRMED ON SITE BY THE LANDSCAPE ARCHITECT AFTER THE ABOVE GROUND AND BELOW GROUND UTILITIES ARE INSTALLED AND DRIVEWAY LOCATIONS ARE FINALIZED.
 - UNDERGROUND SECONDARY SERVICE TO BE LOCATED NEAR OR UNDER DRIVEWAYS. (TYP.)

- CHECK ALL QUANTITIES.
- REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
 - THE QUANTITIES INDICATED ON THE PLAN SUPERSEDE THE TOTALS OF THE PLANT LIST.
 - THE LAYOUT OF ALL PLANT MATERIAL IS TO BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
 - SOIL PROFILE TO BE SUITABLE QUALITY FOR TREE TO THRIVE AND MATURE. SOIL TESTING SHOULD BE COMPLETED. IF CONDITIONS ARE POOR TO FAIR, CONSIDER SOIL AMENDMENT AND/OR REPLACEMENT.

RESTORATION PLANT LIST - L1

KEY	QUANT.	BOTANICAL NAME	COMMON NAME	CAL.	HEIGHT	SPREAD	SPACE	COND.
DECIDUOUS TREES								

Jn	15	Juglans nigra	Black Walnut	60	-	-	-	BB
Ta	2	Tilia americana	American Basswood	60	-	-	-	BB
Ar	7	Acer rubrum	Red Maple	60	-	-	-	BB
Cc	2	Carpinus carolina	Kentucky Coffee Tree	60	-	-	-	BB
Bp	4	Betula papyrifera	White Birch	60	-	-	-	BB
As	2	Acer saccharinum	Silver Maple	60	-	-	-	BB
To	4	Thuja occidentalis	White Cedar	60	2250	-	-	BB
Pt	4	Populus tremuloides	Trembling Aspen	60	-	-	-	BB

SHRUBS

Iv	50	Ilex verticillata	Common Winterberry	-	-	-	-	1 gal pot
ro	30	Rubus ororatus	Purple-flowering Raspberry	-	-	-	-	1 gal pot
ai	50	Alnus incana	Speckled Alder	-	-	-	-	1 gal pot
sc	40	Sambucus canadensis	Common Elderberry	-	-	-	-	1 gal pot
vl	40	Viburnum lentago	Nannyberry	-	-	-	-	1 gal pot
ro	60	Rubus occidentalis	Black Raspberry	-	-	-	-	1 gal pot
rb	30	Rosa blanda	Smooth Rose	-	-	-	-	1 gal pot
rt	30	Rhus typhina	Staghorn Sumac	-	-	-	-	1 gal pot

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- DEPICTED ON THIS PLAN ARE THE SPECIES AND THE APPROXIMATE LOCATION OF STREET TREE. ONCE DRIVEWAYS, UTILITIES AND LIGHT STANDARDS HAVE BEEN INSTALLED, THE EXACT LOCATION OF STREET TREES WILL BE DETERMINED ON SITE BY THE LANDSCAPE CONSULTANT AND APPROVED BY THE MUNICIPALITY PRIOR TO PLANTING.

- MINIMUM CLEARANCES FOR STREET TREES (WHEN TREES ARE PLANTED 1.5M FROM THE CURB):
2m FROM WATER HYDRANTS
2m FROM DRIVEWAYS
2m FROM NEIGHBOURHOOD MAILBOXES
3m FROM HYDRO TRANSFORMERS
5m FROM STREETLIGHTS
15m MINIMUM FROM STREET LINE (STREET INTERSECTION AS MEASURED FROM BACK OF CURB) AND BEHIND THE DAYLIGHT TRIANGLE AS PER THE GEOMETRIC DESIGN STANDARDS FOR ONTARIO HIGHWAYS
18m FROM FACE OF ALL WARNING AND REGULATORY SIGNS

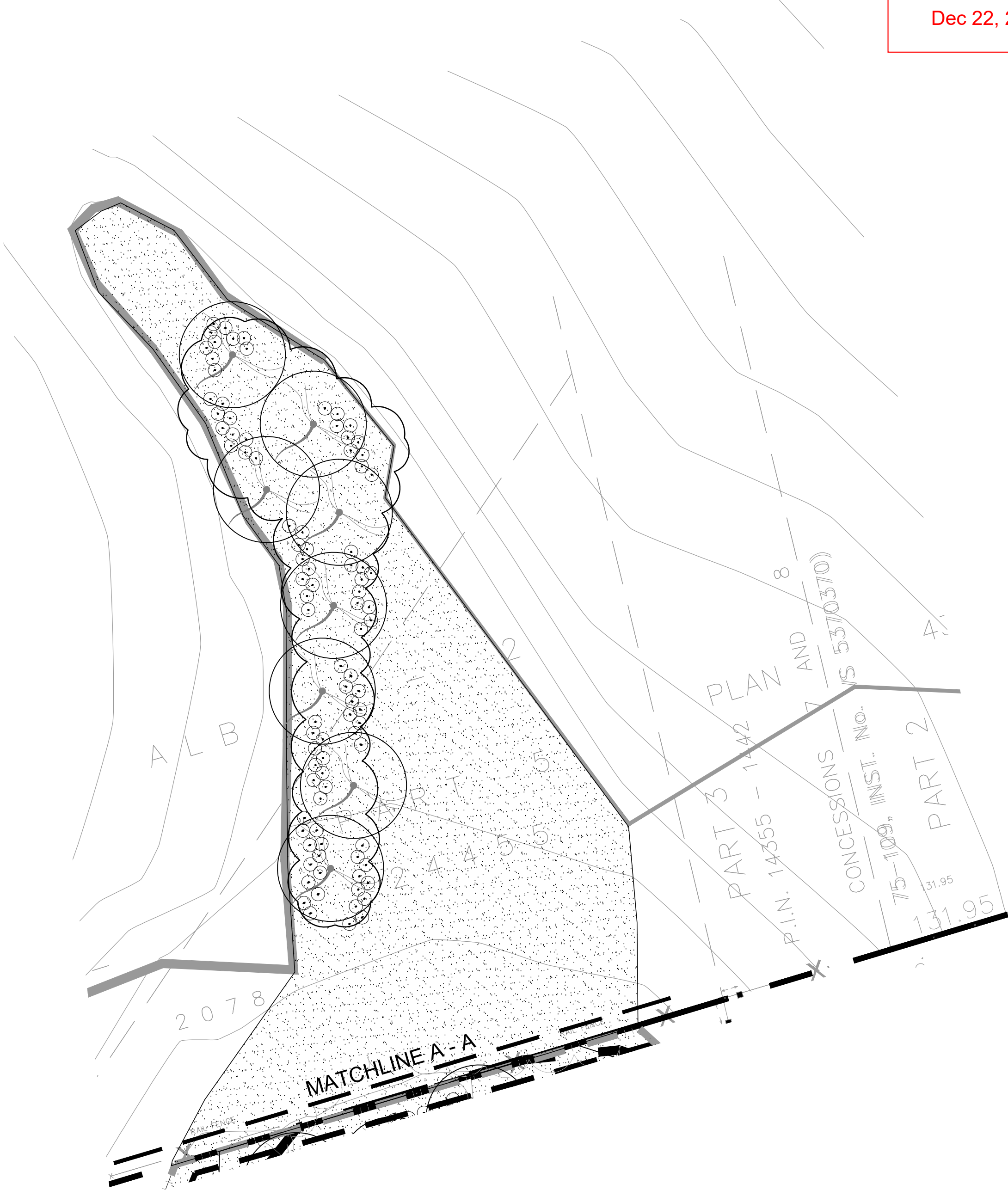
- THE TREE PITS AND PLANTING BEDS FOR ALL TREES AND SHRUBS LOCATED WITHIN 1.0m OF UNDERGROUND UTILITIES ARE TO BE HAND DUG.

SEED MIXTURE:

"NATIVE UPLAND FORAGE & MEADOW" BY OSC OR APPROVED EQUAL:

CANADA WILD RYE (ELYMUS CANADENSIS)
FOWL BLUEGRASS (POA PALUSTRIS)
FOX SEDGE (CAREX VULPINOIDEA)
LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM)
SAND DROPSEED (SPORBOLUS CRYPTANDRUS)
VIRGINIA WILD RYE (ELYMUS VIRGINICUS)

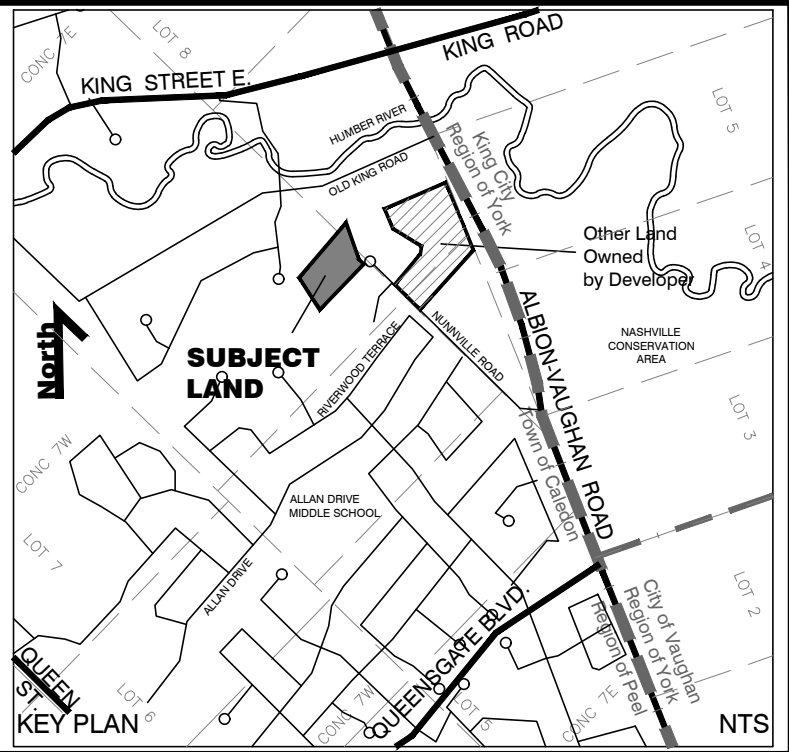
*APPLY AT 25 kg/HA SEEDING RATE
*APPLY WITH NURSE CROP OF Common Oats (Avena sativa) or Buckwheat (Fagopyrum esculentum) at a rate of 22-25kg/hectare. If seeding after October 31st, use Winter Wheat (Triticum aestivum) at same rate.



NOT FOR CONSTRUCTION
SPA ONLY

TOWN OF CALEDON
PLANNING
RECEIVED

Dec 22, 2023



LEGEND

- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- PROPOSED SOD WITH MIN. 150mm DEPTH TOPSOIL
- PROPOSED UPLAND SEED MIX WITH MIN. 150mm DEPTH TOPSOIL
- PROPOSED TREE PROTECTION FENCE (REFER TO DETAIL 1, L-4)
- PROPOSED WOOD SCREEN FENCE (REFER TO DETAIL 4, L-4)
- PROPOSED CHAINLINK FENCE (REFER TO DETAILS 2, L-4)
- PROPOSED LIGHTING REFER TO ELECTRICAL ENGINEERING DRAWINGS
- PROPOSED TRANSFORMER
- PROPOSED FIRE HYDRANT

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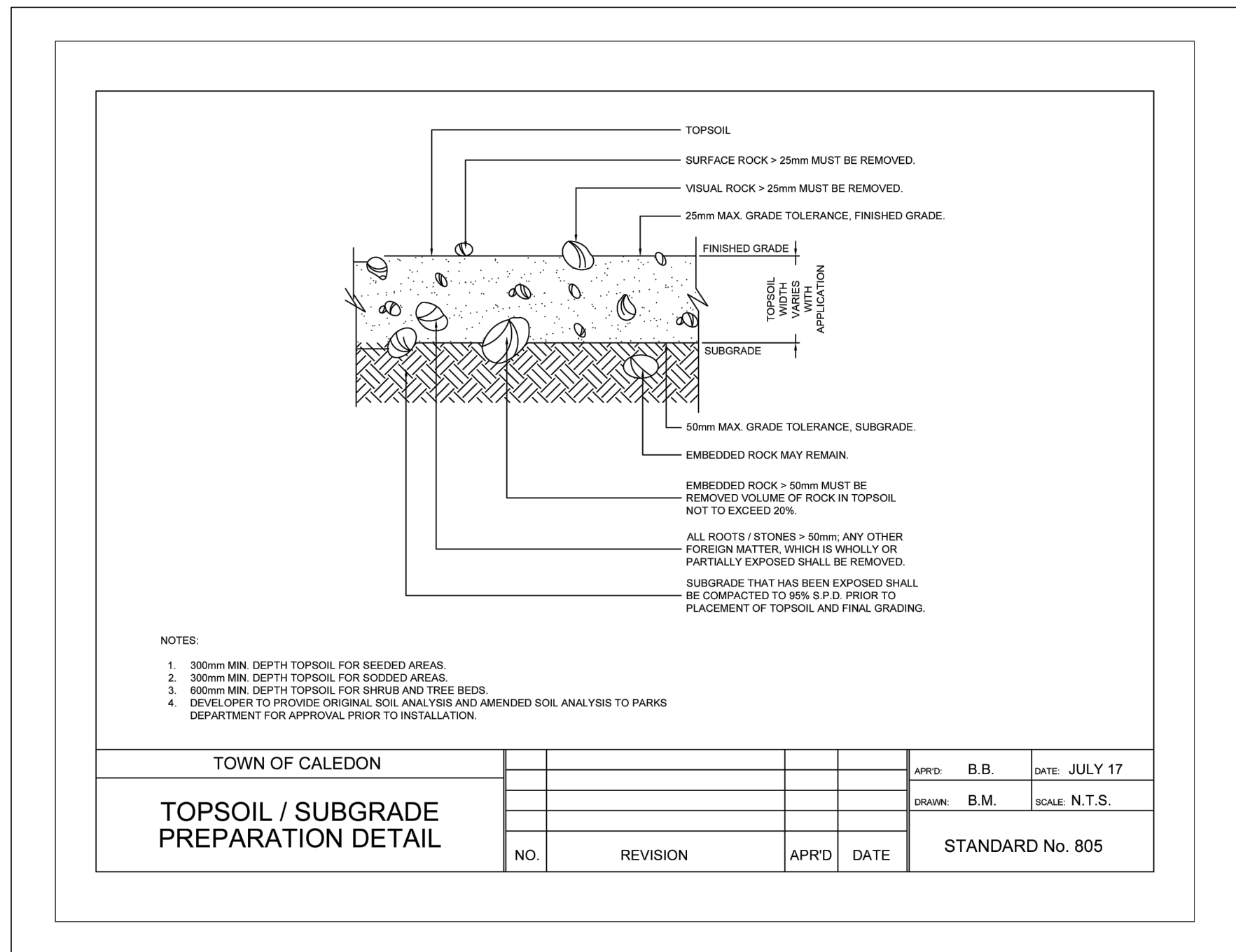
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Planting Notes:

- General Planting Notes: Planting stock should be installed during the growing season to ensure survivorship of plant material. Planting locations specified are general locations, plant according to micro-site selection based on existing natural competition. Plantings will be installed within the restoration areas in natural groupings under the supervision of the project restoration specialist. Planting holes may be either dug by hand or augured with a handheld auger to avoid any impacts to the existing environment. Holes will equal the depth of the root ball and be 1.5 times the width.
- Site Preparation: Prior to planting installation, invasive species removal and refuse removal is highly recommended. Where soil compaction is present, soil should be mechanically loosened and aerated prior to planting and receive a layer of topsoil and organic matter to improve growing conditions for plantings. Organic matter will consist of decayed organic material (humus) such as compost; composted woody debris and leaf litter; forest product residuals placed at a depth ranging from 2 to 4 inches. Areas where gravel is present spilling from the adjacent truck yard should have the gravel removed and replaced with soil prior to planting.
- Composition & Spacing: Caliper size material for all tree planting is recommended to expedite the development of canopy cover. Shrub material will include 1 to 2 gallon potted material. Planting should follow standard densities of 5.0 metre on centre for trees, 1.0 metre on centre for shrubs.
- Replacement Planting Material: In the event of plant mortality following restoration initiatives, replacement plant material should be replaced by species provided in the planting schedule. Cultivars of native species are NOT acceptable. If species are no longer available, plant selection should be made by a qualified individual as approved by TRCA's native species list.
- Mulch Placement: Newly planted trees and shrub species should receive a suitable layer of mulch following planting to help retain moisture in the plant's root zone and deter competition. Replacement mulch should be provided over the first three years throughout the growing season as necessary. Mulch should be restricted to the tree and shrub base to alleviate any impacts to adjacent growth and regeneration.
- Shrub Protection: Plastic rodent and mammal guards should be installed on newly planted trees and shrubs to provide protection from herbivory until established.
- Watering: All trees and shrubs to be maintained by regular watering throughout plant warranty period. Watering of planted stock should occur for three years during dry periods and weed mats or brush blankets should be installed where abundant herbaceous competition arises to ensure the survivorship of planted species.
- Invasive Species Removal: Prior to establishing native plantings, removal of non-native invasive species identified within the riparian area, including Common Buckthorn, is recommended. Removal and control of invasive species should be addressed during monitoring events to prevent invasive species from becoming well established and completed yearly for a period of no less than 3 years.
- Monitoring: A monitoring schedule involving yearly site inspections by a qualified biologist or other environmental professional is recommended. Monitoring events should occur twice during the growing season for a minimum of three years following the installation of restoration plantings. Due to the size of the area, permanent plots or sample quadrants are not necessary for successful monitoring. Visual analysis incorporating detailed notes to address survivorship of plant species, individual plant health and potential growth of invasive species is recommended. Mortality of all planted individuals should be determined, and the causes of mortality identified (shade/sun intolerance, herbivory, drought, etc.). Removal and control of invasive species should be addressed during monitoring events and completed yearly for a period of no less than 3 years.
- Individual Plantings: Recommended tree, shrub and herbaceous species should be planted following invasive species and refuse removal, where applicable. Species should be planted based on specific site conditions, i.e., species are suitable to light conditions of planting area. Early successional species should be used alone or in concert with late-seral species. Shade-tolerant species can be used if conditions are favourable and in areas where a source of late-seral seed does not exist in order to promote succession.
- Black Walnut trees should be planted along the edges of the planting area adjacent to European Buckthorn thickets to help reduce the spread of European Buckthorn into the restoration zone.
- Planting Zone 1 should be planted with a mix of trees and shrubs from the plant list. Planting Zone 2 should be planted with shrubs only. Tree placement on this plan is conceptual. Trees should be planted based on site conditions at time of planting.

1

L-2

TOPSOIL / SUBGRADE PREPARATION DETAIL

SCALE: N.T.S.

5	ISSUED FOR 3rd SPA	18DEC2023
4	ISSUED FOR DART	20NOV2023
3	ISSUED FOR PRE-CONSULTATION (DART)	25APRIL2023
2	ISSUED FOR SECOND ENGINEERING SUBMISSION	9MAR2023
1	ISSUED FOR FIRST ENGINEERING SUBMISSION	28NOV2022
No.	REVISIONS TO DRAWING	DATE

ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED

PROJECT TITLE

NUNNVILLE RESIDENTIAL
DEVELOPMENT

MUNICIPALITY

TOWN OF CALEDON

PROJECT ADDRESS

13290 NUNNVILLE ROAD, CALEDON

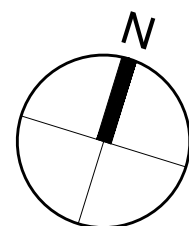
SHEET TITLE

LANDSCAPE REFORESTATION
PLANTING PLAN

CONSULTANT



STAMP



SCALE

1:300

DATE

15 MAR 2022

PROJECT NUMBER

202203

DESIGNED

LSN

DRAWN

LSN

CHECKED

LSN

DWG. NUMBER

L-2