



TOTAL PARKING AREA = 8250m²
TOTAL CANOPY AREA = 3275m²
Percentage cover = 39.7%
SOFT AREA = 2350m²
Percentage soft = 28.5

TOTAL PROPOSED TREES: 30
TOTAL PROPOSED SHRUBS: 9+

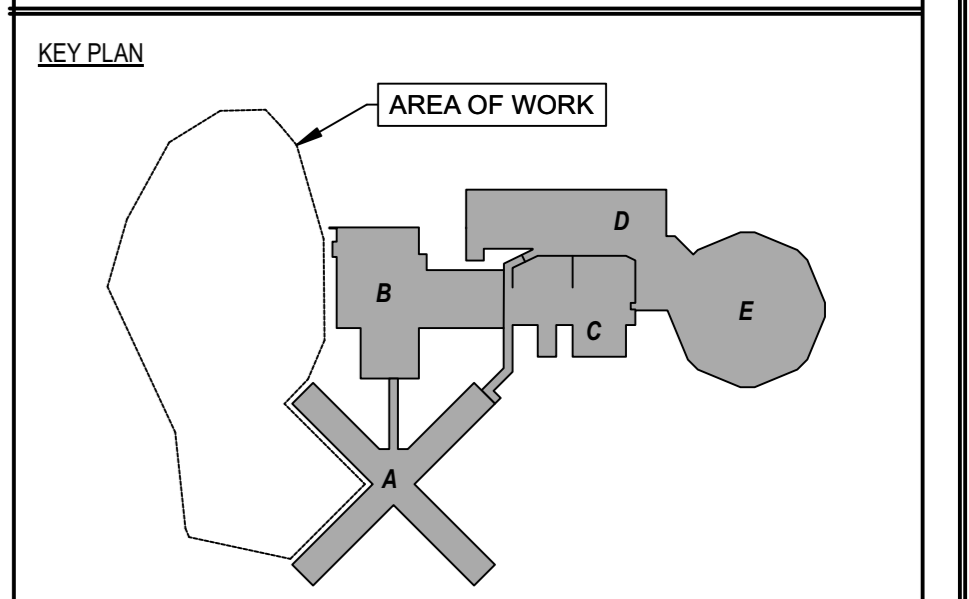
REFER TO ECOH 1176 ENVIRONMENTAL IMPACT ASSESSMENT, PREPARED BY KILGOUR & ASSOCIATES LTD., 2022 12 22, FOR TREE SPECIES AND CONDITION CHARTS.

NOTE: EXISTING TREE NUMBERS FROM THE ABOVE REPORT.

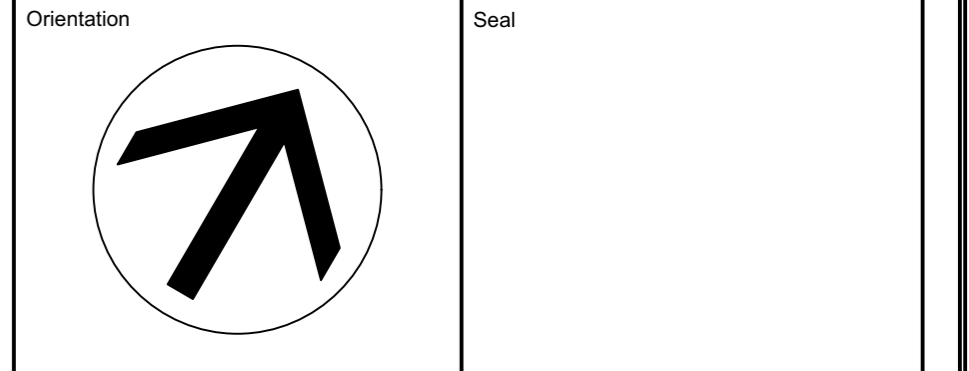
TREES TO BE REMOVED:
 T11, T12, T13, T14, T35, T45, T46, T47, T48, T49, T50, T51, T52, T53, T54, T55
 FOR A TOTAL OF 16 TREES.

LEGEND

- PARKING LOT EXTENTS
- TREE CANOPY WITHIN PARKING LOT EXTENTS
- EXISTING FENCE
- TREE PROTECTION FENCE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE PRESERVED
- PROPOSED TREE
- PROPOSED SHRUB



No	1	NCC SUBMISSION	2023/03/14
Revisions			Date



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A	A Detail No
B	B Sheet No where detailed

PROJECT ENGINEER: CIVIL, STRUCTURAL, MECHANICAL & ELECTRICAL

Jp2g Consultants Inc.
 ENGINEERS • PLANNERS • PROJECT MANAGERS
 1150 MORRISON DRIVE, SUITE 410, OTTAWA, ON K2H 8S9
 PHONE: 613-828-7800 FAX: 613-828-2600
 Jp2g Project #: 20-5060A

LANDSCAPE ARCHITECT

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Ontario
 Infrastructure Ontario

AMIS N B

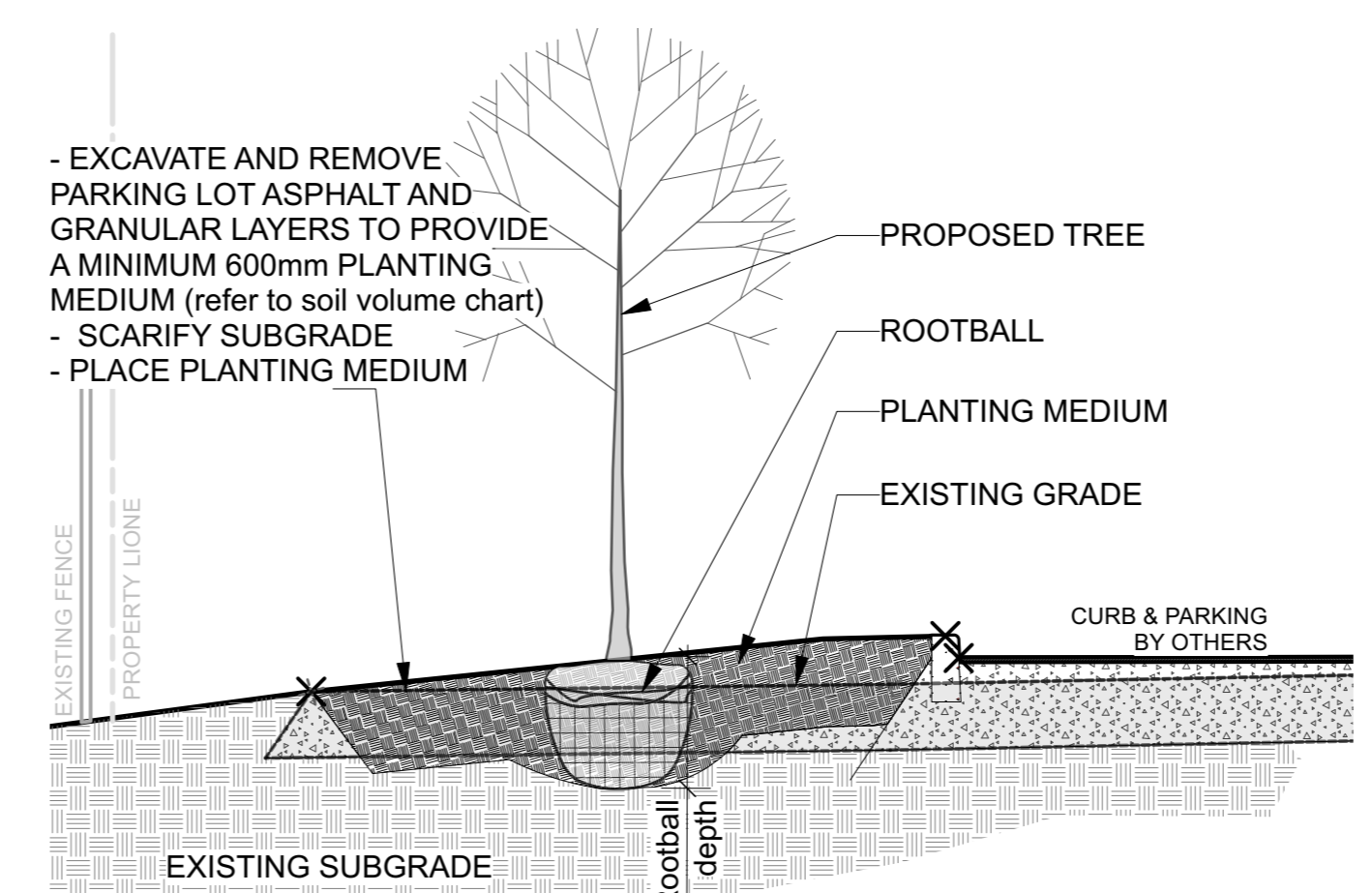
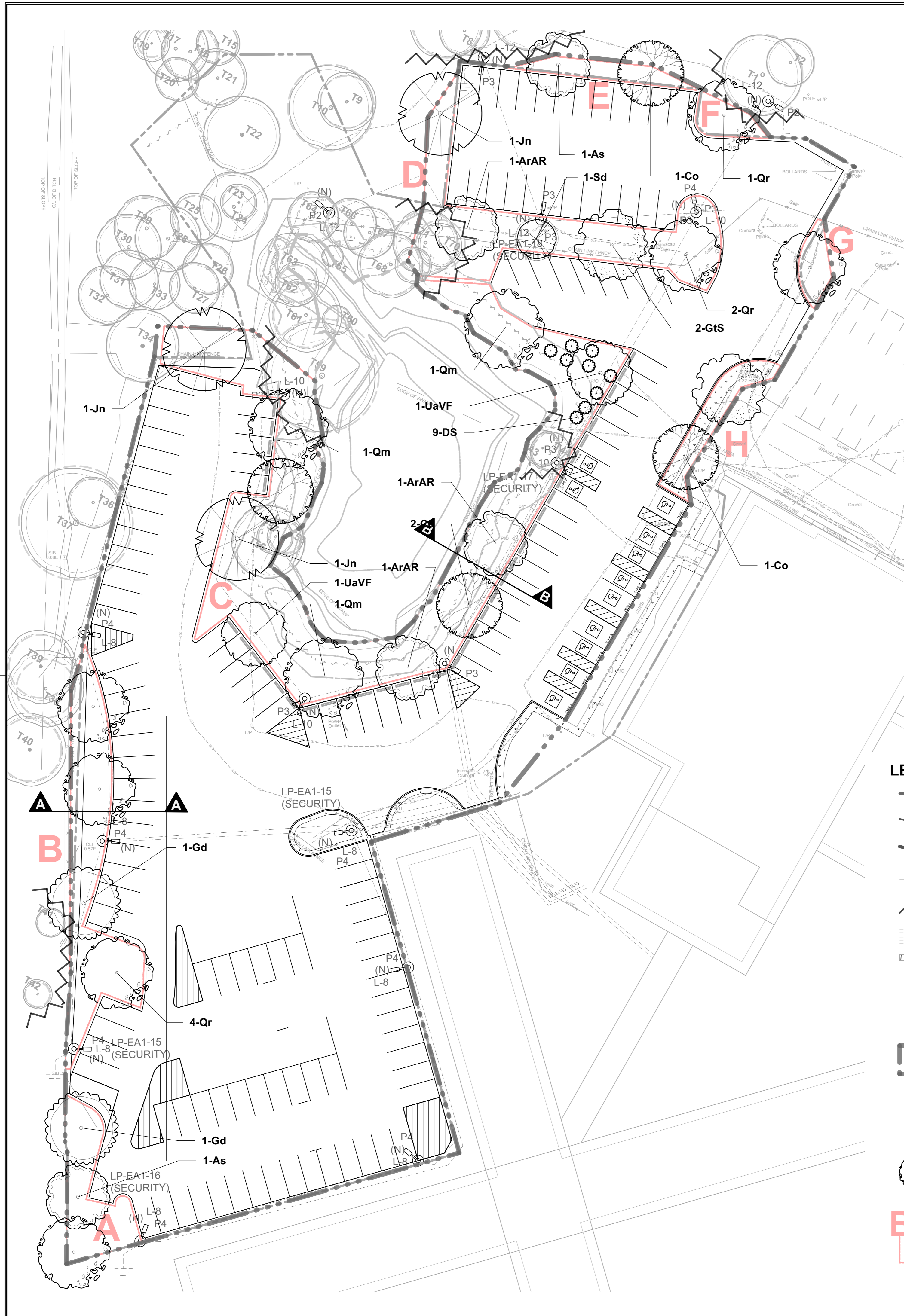
Project
 OTTAWA CARLETON DETENTION CENTRE
 TEMPORARY PARKING LOT EXPANSION

Location
 INNES ROAD, GLOUCESTER TOWNSHIP
 OTTAWA
 IO Project No Site No Building No

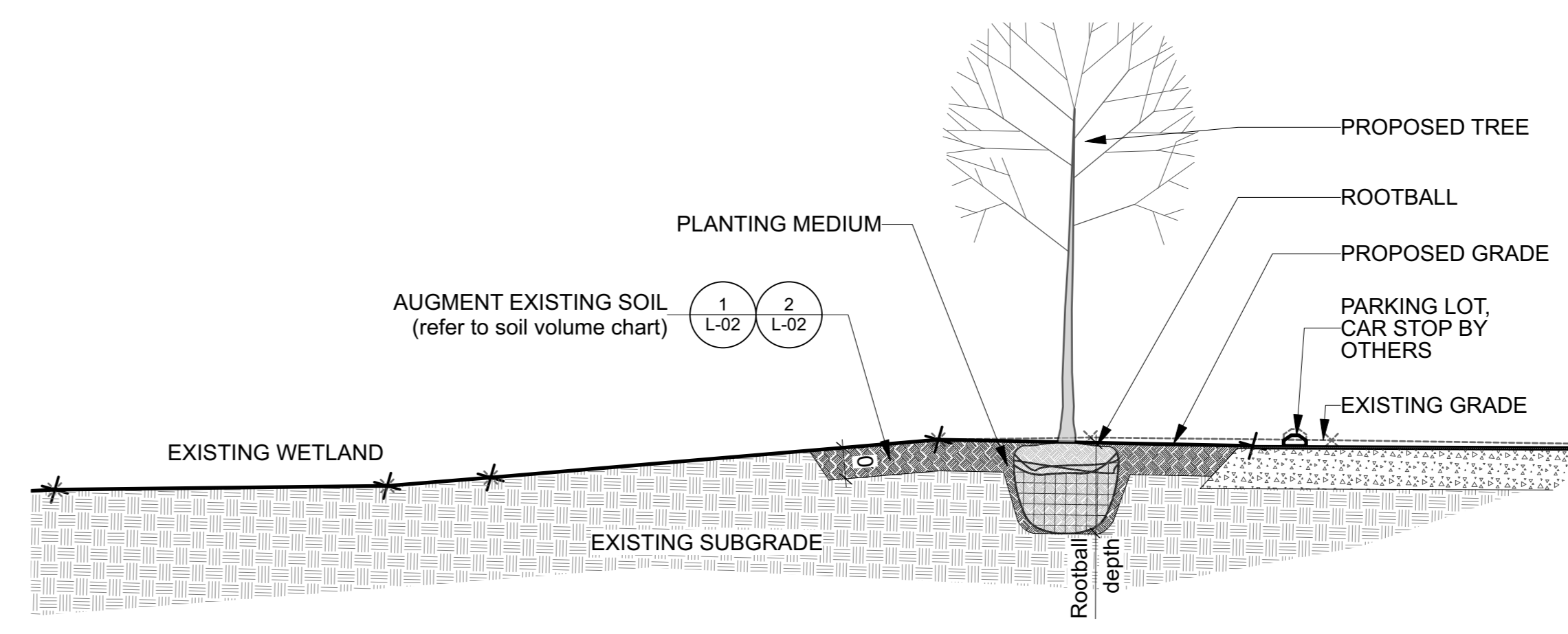
Client

Drawing Title
TREE CANOPY PLAN

Scale	Date	JANUARY 2023
Drawn by TF	Substantial Performance Date	
Designed by MR	Drawing No TC-01	
Approved by	CADD File NAME	



AA SECTION A-A - TREE PLANTING AT ASPHALT REMOVAL
Scale: NTS



BB SECTION B-B - TREE PLANTING IN EXISTING SOFT. LANDSCAPE
Scale: NTS

- LEGEND**
- EXTENT OF WORK
 - WETLAND
 - WETLAND 5m offset
 - EXISTING FENCE
 - TREE PROTECTION FENCE
 - EXISTING UTILITIES
 - BUILDING
 - PROPOSED PARKING AND PAINTED AREAS
 - PROPOSED / EXISTING LIGHT (BY OTHERS)
 - PARKING LOT EXTENTS
 - EXISTING TREE
 - EXISTING TREE CRITICAL ROOT ZONE
 - PROPOSED TREES
 - PROPOSED SHRUB
 - SOIL VOLUME AREA

Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA Target Soil Volume (m ³)	Design Soil Volume	Soil Adequacy percentage
AREA A - 3 large trees				
plant bed (123 sq m x 0.6 metre deep)	3	54.0	73.8	136.67%
AREA B - 5 large trees				
plant bed (265 sq m x 0.6 metre deep)	5	90.0	159.0	176.67%
AREA C - 11 large trees 6 existing trees				
plant bed (999 sq m x 0.6 metre deep)	17	306.0	599.4	195.88%
AREA D - 4 large trees, 1 medium tree, 3 existing trees				
plant bed (343 sq m x 0.6 metre deep)	8	141.0	205.8	145.96%
AREA E - 2 large trees				
plant bed (48 sq m x 0.9 metre deep)	2	36.0	43.2	120.00%
AREA F - 1 large trees				
plant bed (37 sq m x 0.9 metre deep)	1	30.0	33.3	111.00%
AREA G - 1 large trees				
plant bed (34 sq m x 0.9 metre deep)	1	30.0	30.6	102.00%
AREA H - 2 large trees				
plant bed (68 sq m x 0.6 metre deep)	2	36.0	40.8	113.33%

Plant List

ID	Qty	Botanical Name	Common Name	Sched. Size	Remarks
TREES					
ArAR	3	Acer rubrum 'Autumn Radiance'	Autumn Radiance Red Maple	60mm caliper	WB, Staked
As	2	Acer saccharum	Sugar Maple	60mm caliper	WB, Staked
Co	4	Celtis occidentalis	Common Hackberry	60mm caliper	WB, Staked
GtS	2	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Honeylocust	60mm caliper	WB, Staked
Gd	2	Gymnocladus dioicus	Kentucky Coffee Tree	60mm caliper	WB, Staked
Jn	3	Juglans nigra	Black Walnut	60mm caliper	WB, Staked
Qm	3	Quercus macrocarpa	Bur Oak	60mm caliper	WB, Staked
Qr	7	Quercus rubra	Northern Red Oak	60mm caliper	WB, Staked
Sd	1	Sorbus decora	Showy Mountain Ash	60mm caliper	WB, Staked
UaVF	2	Ulmus americana 'Valley Forge'	Valley Forge Elm	60mm caliper	WB, Staked
SHRUBS					

KEY PLAN

1 NCC SUBMISSION 2023/03/14

Orientation Seal

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AMIS N B

Project
OTTAWA CARLETON DETENTION CENTRE
TEMPORARY PARKING LOT EXPANSION

Location
INNES ROAD, GLOUCESTER TOWNSHIP
OTTAWA

Client

Drawing Title
LANDSCAPE PLAN

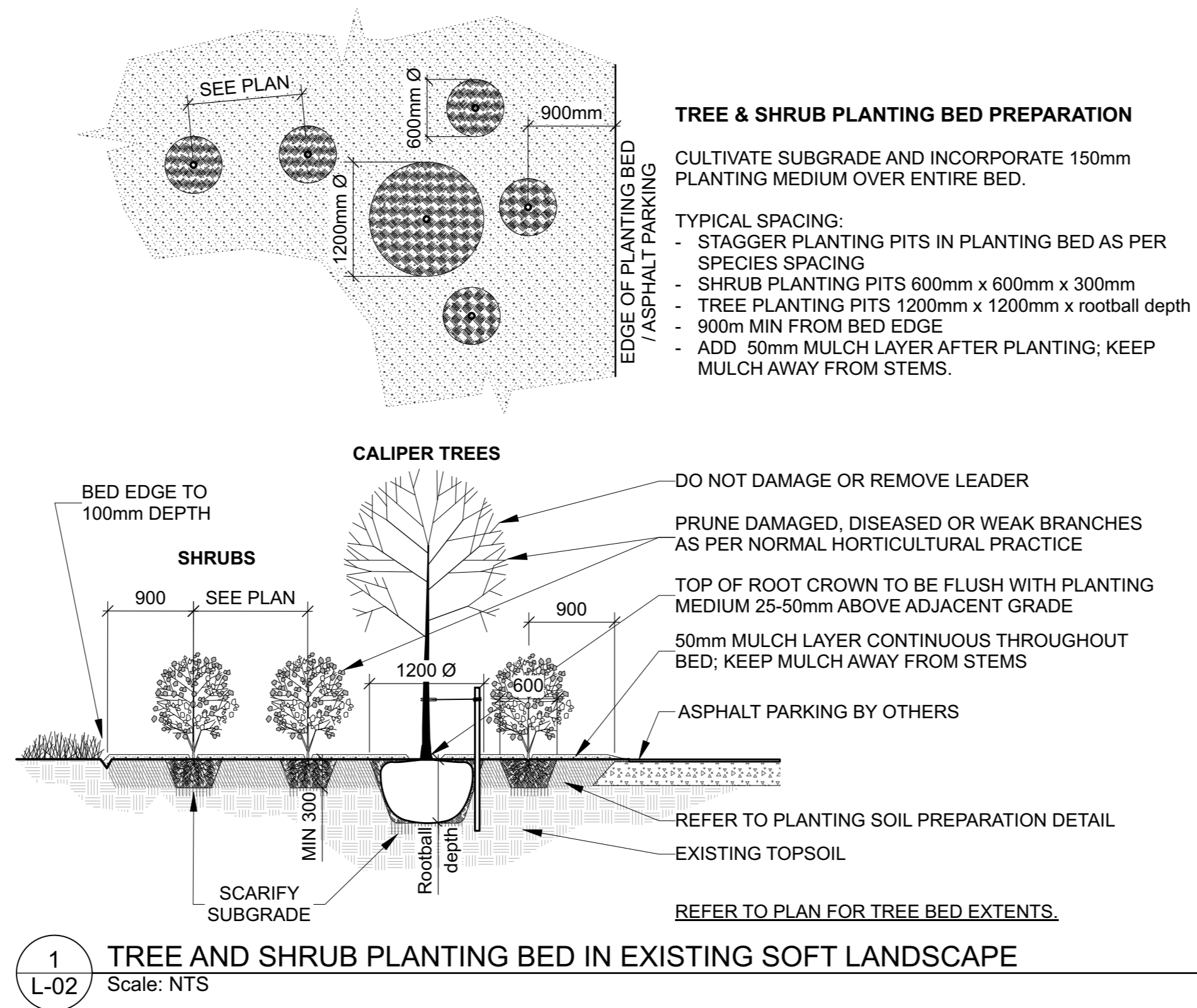
Scale Date JANUARY 2023

Drawn by TF Substantial Performance Date

Designed by MR Drawing No **L-01**

Approved by

CADD File NAME

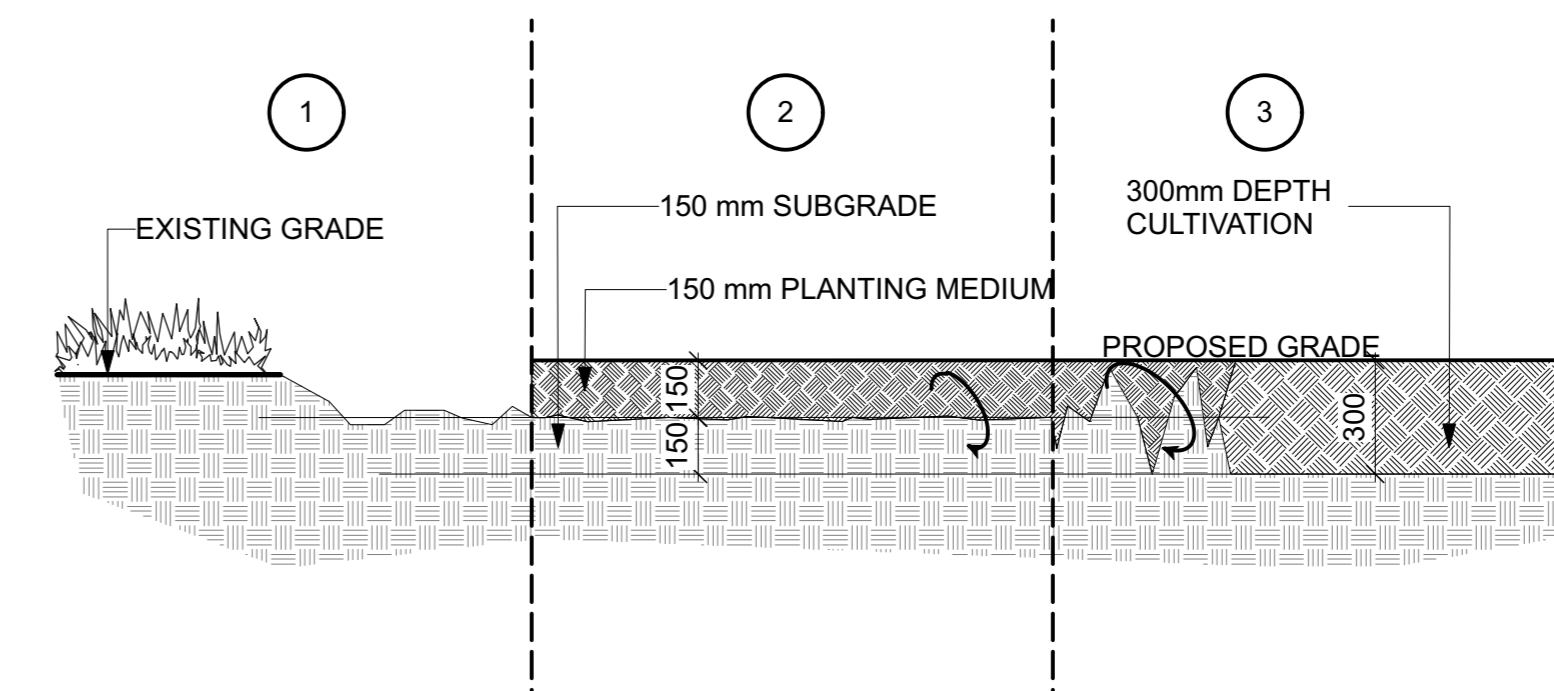


1 L-02 TREE AND SHRUB PLANTING BED IN EXISTING SOFT LANDSCAPE
Scale: NTS

TREE & SHRUB PLANTING BED PREPARATION

CULTIVATE SUBGRADE AND INCORPORATE 150mm PLANTING MEDIUM OVER ENTIRE BED.

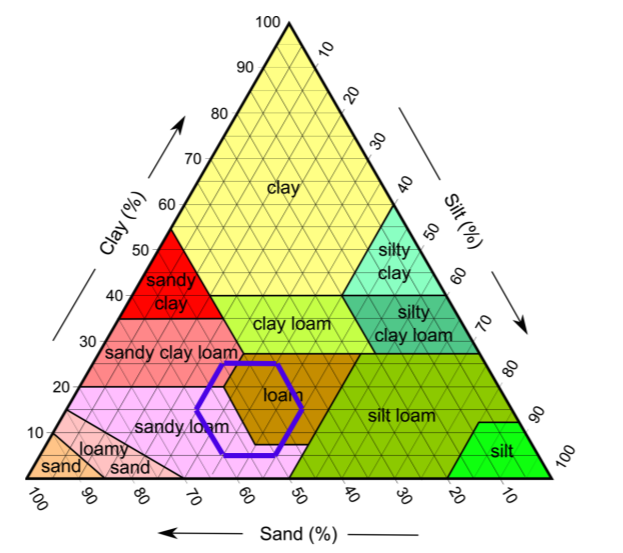
- TYPICAL SPACING:
- STAGGER PLANTING PITS IN PLANTING BED AS PER SPECIES SPACING
 - SHRUB PLANTING PITS 600mm x 600mm x 300mm
 - TREE PLANTING PITS 1200mm x 1200mm x rootball depth
 - 900mm MIN FROM BED EDGE
 - ADD 50mm MULCH LAYER AFTER PLANTING; KEEP MULCH AWAY FROM STEMS.



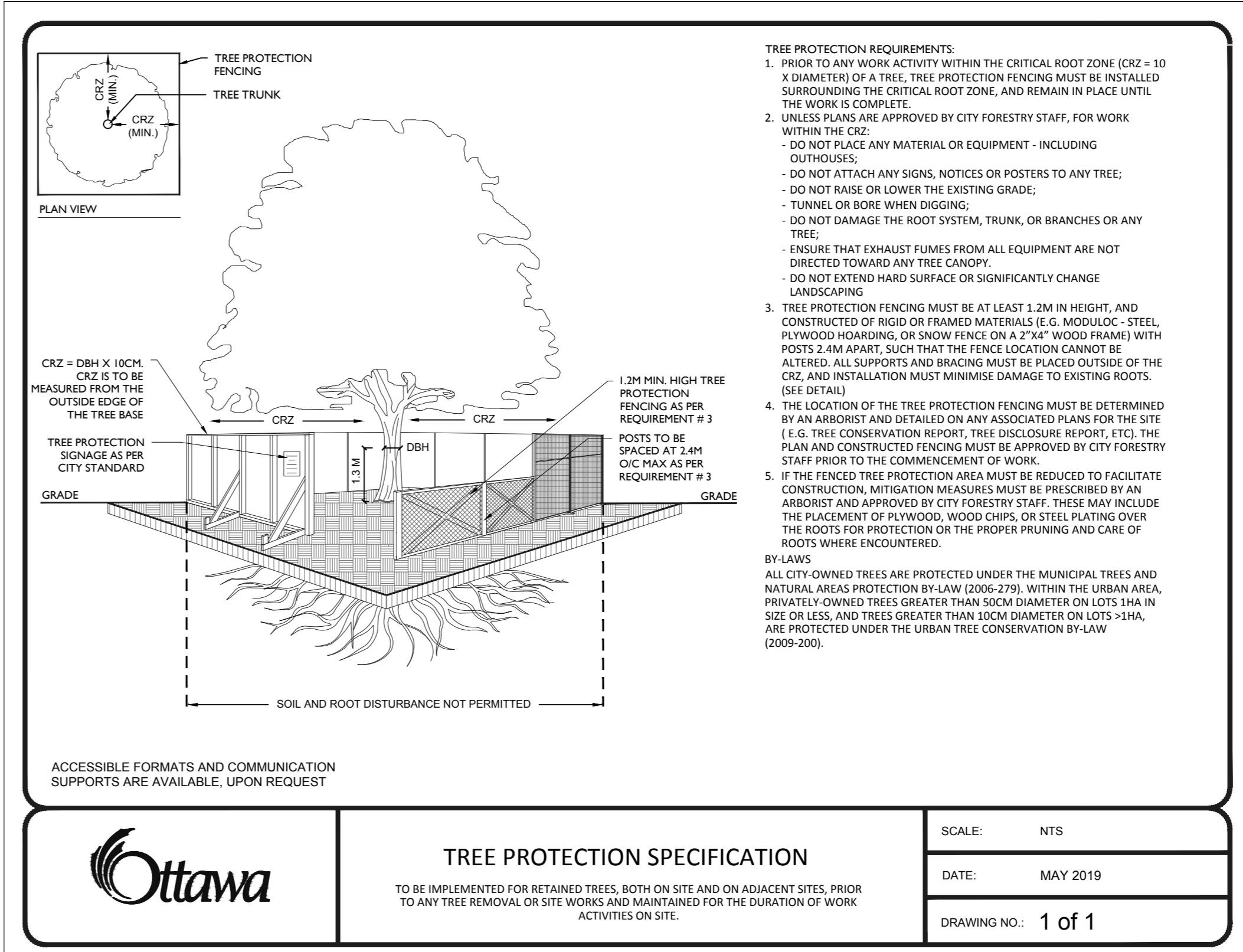
- SOIL PREPARATION**
1. GRUB OUT GRASSES AND PLANTS (100mm - 150mm average depth)
 2. PLACE 150mm IMPORTED PLANTING MEDIUM
 3. CULTIVATE TO A FULL DEPTH OF 300mm FROM TOP OF IMPORTED PLANTING MEDIUM

2 L-02 PLANTING BED PREPARATION
Scale: NTS

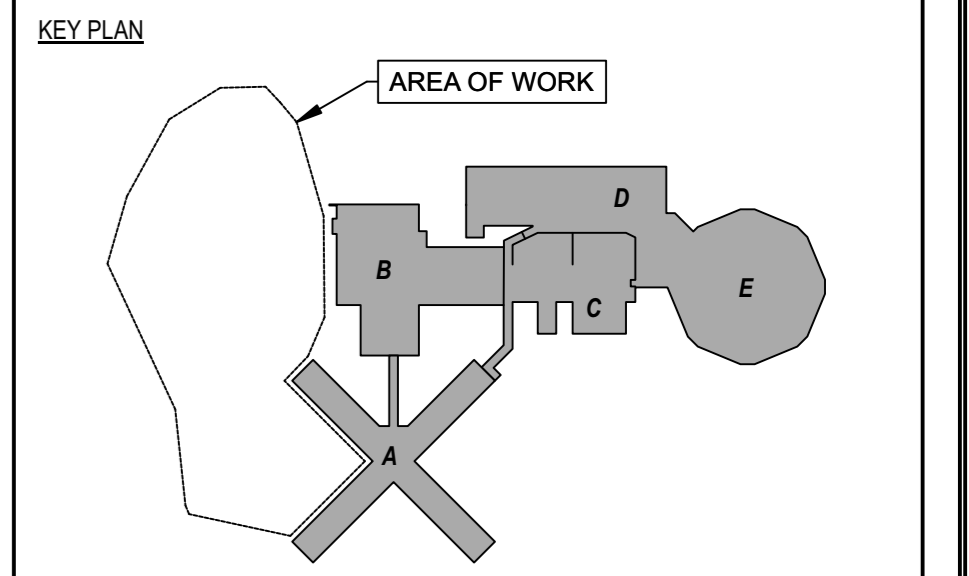
- IMPORTED TOPSOIL FOR TREE AND SHRUB PLANTING**
1. Imported topsoil: mixture of mineral particulates, micro-organisms and organic matter, which provides suitable medium for supporting intended plant growth.
 1. Soil texture based on The Canadian System of Soil Classification
 1. Friable loam / sandy loam with the following parameters: 40 to 60% sand, 25 to 45% silt, 5 to 25% clay.
 2. Containing minimum 4% organic matter by weight.
 2. Fertility: macro and micro soil nutrients adequate to support germination and establishment of intended vegetation. Adjust topsoil nutrients to meet analysis recommendations.
 3. pH value: 6.0 to 7.5.
 4. Contain no toxic elements or growth-inhibiting materials.
 5. Free from:
 1. Debris and stones over 50mm diameter.
 2. Course vegetative material, 10mm diameter and 100mm length, occupying more than 2% of soil volume.
 6. Consistency: friable when moist
 2. Imported Topsoil amended for use as Planting Medium.
 1. Planting Medium: planting medium to be composed of imported Topsoil incorporated with 20% organic matter by volume or 4% - 6% by weight. Ready mixed topsoil can be used after obtaining approval by Consultant prior to shipment to site. Supply all topsoil analysis of mix for approval



3 L-02 IMPORTED TOPSOIL SPECIFICATIONS
Scale: NTS



	TREE PROTECTION SPECIFICATION	SCALE: NTS
	TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.	DATE: MAY 2019
		DRAWING NO.: 1 of 1



1	NCC SUBMISSION	2023/03/14
No	Revisions	Date

Orientation

Seal

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Project
**OTTAWA CARLETON DETENTION CENTRE
TEMPORARY PARKING LOT EXPANSION**

Location
**INNES ROAD, GLOUCESTER TOWNSHIP
OTTAWA**

IO Project No _____ Site No _____ Building No _____

Client

Drawing Title

DETAILS

Scale 1:1.pdf	Date JANUARY 2023
Drawn by TF	Substantial Performance Date
Designed by MR	Drawing No L-02
Approved by	CADD File NAME