



TREE CANOPY COVERAGE

TOTAL PARKING AREA	8306	m ²
TOTAL CANOPY AREA	3359	m ²
CANOPY % COVERAGE	40%	
TOTAL SOFT AREA	2516	m ²
SOFT % COVERAGE	30%	

TOTAL PROPOSED TREES: 31
TOTAL PROPOSED SHRUBS: 9+

REFER TO EC04 1175 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:
 T35, T45, T46, T47, T48, T49, T50, T51, T52, T53, T54, T55 FOR A TOTAL OF 16 TREES.

REFER TO L-1 & L-2 FOR PROPOSED TREE SPECIES AND PLANTING DETAILS

KEY PLAN

6	SPC RESUBMISSION	2024/03/19
5	SPC RESUBMISSION	2024/01/24
4	NCC & SPC RESUBMISSION	2023/11/09
3	SPC RESUBMISSION	2023/10/24
2	SPC SUBMISSION	2023/03/14
1	NCC SUBMISSION	2023/03/14

Orientation: Seal:

The Contractor shall check and verify all dimensions and report all errors and omissions to the IO-Owner's/MBS Designee (as applicable) for his/her written direction before proceeding with the Work.

A	Detail No
B	Sheet No where detailed

PROJECT ENGINEER: CIVIL, STRUCTURAL, MECHANICAL & ELECTRICAL

Jp2g Consultants Inc.
 ENGINEERS • PLANNERS • PROJECT MANAGERS
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 PHONE: 613-828-7800 FAX: 613-828-2000
 Jp2g Project #: 20-5050A

LANDSCAPE ARCHITECT

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AMIS N B
 Project: OTTAWA CARLETON DETENTION CENTRE TEMPORARY PARKING LOT EXPANSION
 Location: 2244 INNES ROAD, GLOUCESTER TOWNSHIP OTTAWA - PIN#04737-0352
 ID Project No. Site No. Drawing No.

Client:

Drawing Title: **TREE CANOPY PLAN**

Scale:	Date: JANUARY 2023
Drawn by: TF	Substantial Performance Date:
Designed by: MTR	Drawing No: TC-1
Approved by:	

LEGEND

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

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:
T35, T45, T46, T47, T48, T49, T50, T51, T52, T53, T54, T55 FOR A TOTAL OF 16 TREES.

- GENERAL NOTES**
- All general site information and conditions compiled from existing plans, surveys and Consultant's field notes. Report all discrepancies prior to any work. No responsibility is born by the Consultant for unknown subsurface conditions.
 - The location of the utilities is approximate only, and the exact location should be determined by consulting the Municipal Authorities and Utility Companies concerned. The Contractor shall prove the location of utilities and shall be responsible for adequate protection from damage.
 - No tree, designated on this plan as to stay, shall be removed. Where conditions in the field affect the safety or retention of the designated tree, the Consultant and Owner are to be notified.
 - Pruning of existing trees shall be done only where required for safety purposes and done under the direction of the Consultant. Pruning to be done only by a qualified Arborist.
 - Review project with Consultant and Owner prior to commencing any on site work.

KEY PLAN

AREA OF WORK

6	SPC RESUBMISSION	2024/03/19
5	SPC RESUBMISSION	2024/01/24
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2	SPC SUBMISSION	2023/03/14
1	NCC SUBMISSION	2023/03/14

no Revisions Date

Orientation

Scale

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A Detail No
B Sheet No where detailed

PROJECT ENGINEER: CIVIL, STRUCTURAL, MECHANICAL & ELECTRICAL

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Ontario
Infrastructure Ontario

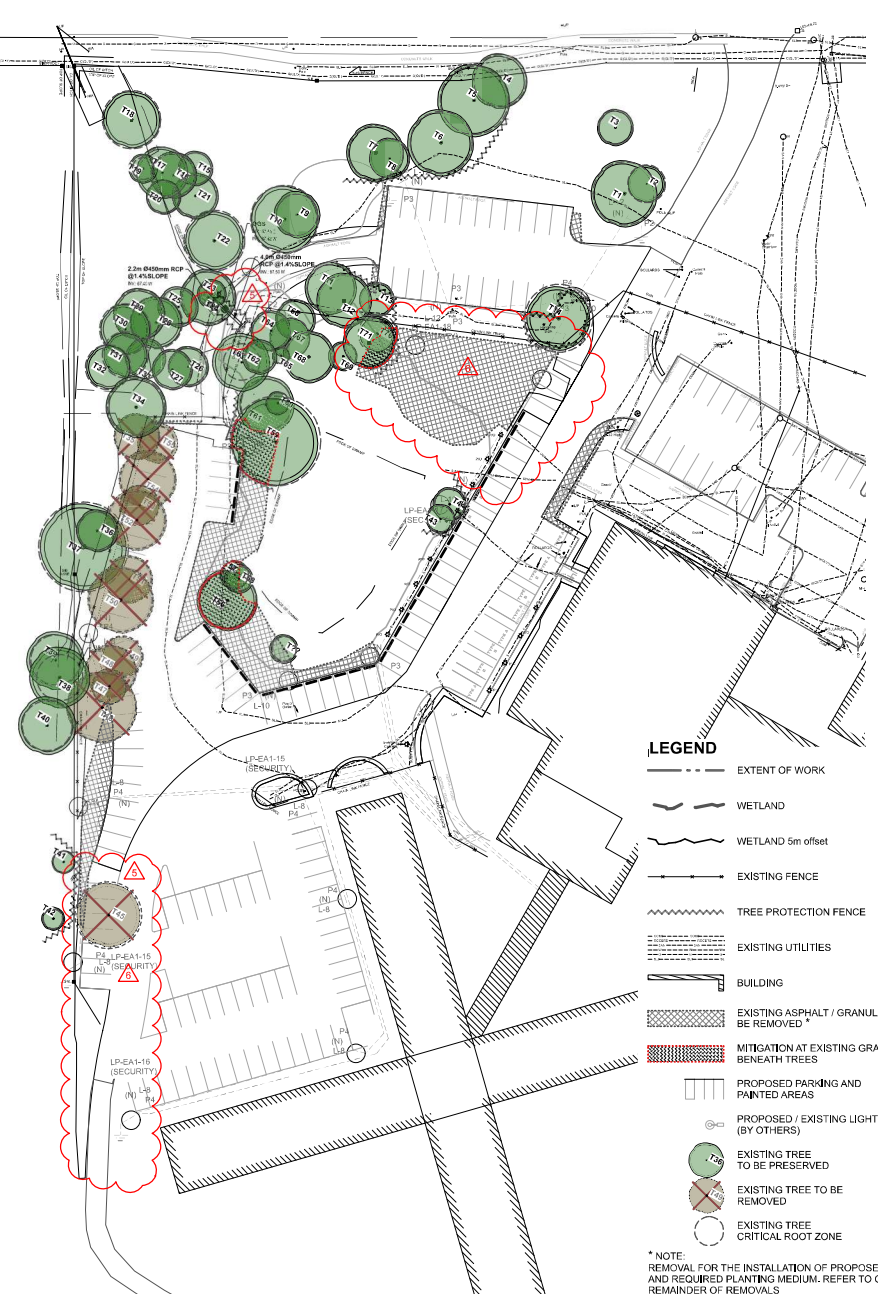
AMIS N B

Project: OTTAWA CARLETON DETENTION CENTRE TEMPORARY PARKING LOT EXPANSION
Location: 2244 INNES ROAD, GLOUCESTER TOWNSHIP OTTAWA - PIN#04757-0552
Project No. Site No. Building No.

EXISTING TREE PRESERVATION / TREE REMOVALS PLAN

Scale:	Date:	JANUARY 2023
Drawn by:	Submittal Performance Date:	
TF		
Designed by:	Drawing No:	L-1
MR		
Approved by:		

CADD FILE NAME



LEGEND

- EXTENT OF WORK
- WETLAND
- WETLAND 5m offset
- EXISTING FENCE
- TREE PROTECTION FENCE
- EXISTING UTILITIES
- BUILDING
- EXISTING ASPHALT / GRANULARS TO BE REMOVED *
- MITIGATION AT EXISTING GRANULARS BENEATH TREES
- PROPOSED PARKING AND PAINTED AREAS
- PROPOSED / EXISTING LIGHT (BY OTHERS)
- EXISTING TREE TO BE PRESERVED
- EXISTING TREE TO BE REMOVED
- EXISTING TREE CRITICAL ROOT ZONE

* NOTE: REMOVAL FOR THE INSTALLATION OF PROPOSED TREES AND REQUIRED PLANTING MEDIUM. REFER TO CIVIL FOR REMAINDER OF REMOVALS.

TREE PROTECTION SPECIFICATION

SCALE: NTS
DATE: MAY 2019
DRAWING NO: 1 of 1

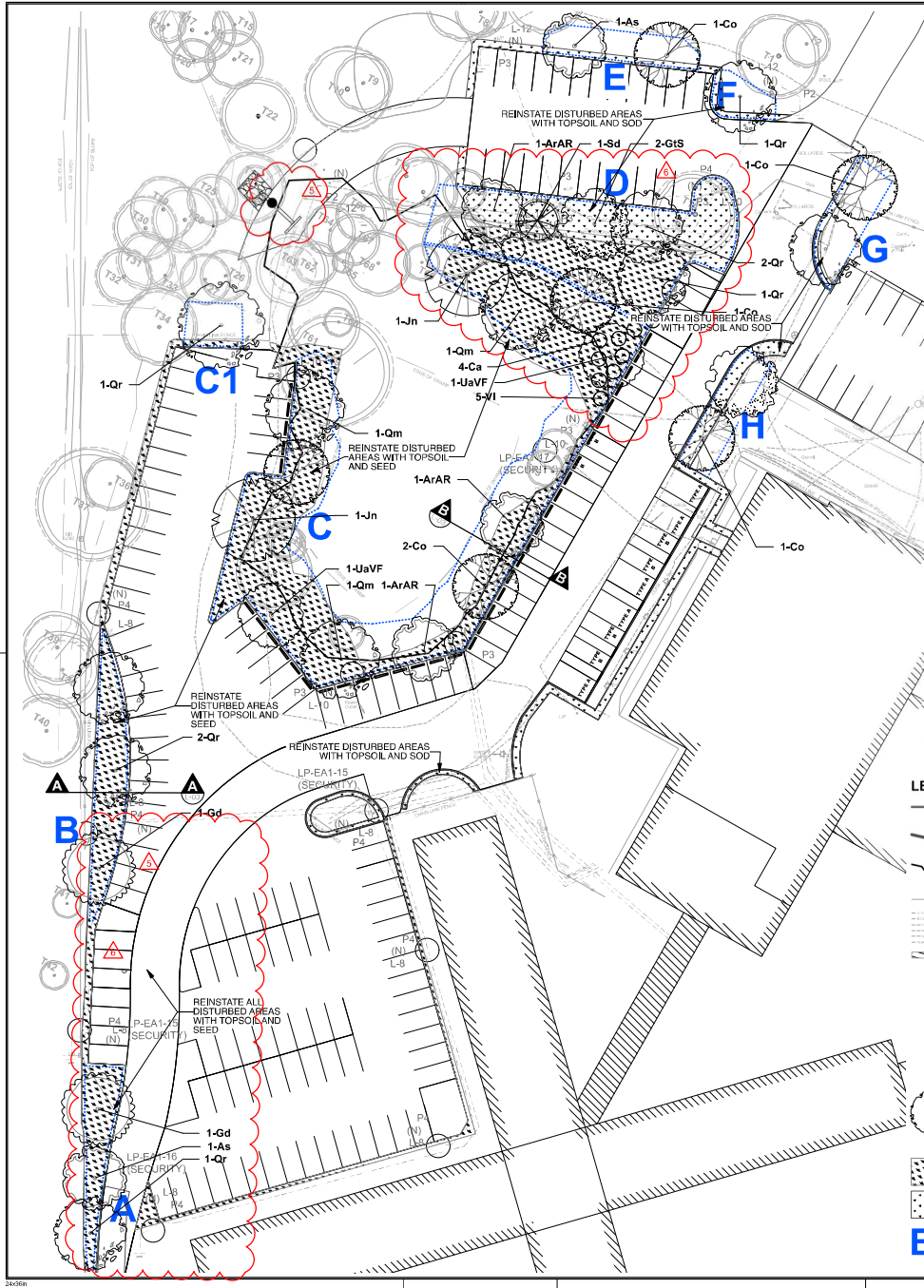
ACCESSIBLE FORMATS AND COMMUNICATION SUPPORTS ARE AVAILABLE, UPON REQUEST

Ottawa

TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND BEFORE WORK FOR THE DURATION OF WORK ACTIVITIES ON SITE.

MITIGATION AT EXISTING TREES

SCALE: NTS



NOTES:
TOPSOIL REQUIREMENTS FOR TREE PLANTING

1. WHERE THERE ARE EXISTING GRANULARS AND/OR ASPHALT:
 MINIMUM IMPORTED TOPSOIL DEPTH TO BE 400mm (ACCEPTABLE WHERE THERE IS APPROVED SUBGRADE BELOW).
 WHERE EXISTING GRANULARS ARE ENCOUNTERED BELOW 400mm DEPTH, EXCAVATE TO A MAXIMUM DEPTH OF 600mm OR TO APPROVED SUBGRADE, PLACE MINIMUM 400mm DEPTH PLANTING MEDIUM WITHIN REQUIRED SOIL VOLUME AREA BETWEEN TREE PITS (900mm INSIDE 2m RADIUS TREE PITS), AND STOPPING AT CRZ OF EXISTING TREES.
 ADDITIONAL REQUIRED DEPTH (as shown in chart) TO CONSIST OF EXISTING SUBSOIL.
 WHERE SUBSOIL IS NOT CONDUCTIVE TO PLANT GROWTH, THE REMAINDER OF THE REQUIRED DEPTH TO CONSIST OF IMPORTED TOPSOIL.
 BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCTIVE TO PLANT GROWTH AND GRANULAR DEPTH AS 400mm.

2. WHERE THERE IS EXISTING SOFT LANDSCAPE:
 PLACE MINIMUM 300mm DEPTH PLANTING MEDIUM (900mm INSIDE 2m RADIUS TREE PITS) WITHIN SOIL VOLUME AREA AND AT ALL EXCAVATED AREAS (WITHIN CONSTRUCTION EXCAVATION LIMITS) THAT MAY BE WITHIN THE SOIL VOLUME AREAS.
 ASSUME ALL REMAINDER OF SOIL VOLUME REQUIREMENTS ARE MET. REINSTATE ANY ADDITIONAL DISTURBED AREAS WITH 150mm TOPSOIL AND SOD. BASE CONTRACT TO ASSUME SUBSOIL AND EXCAVATION BACKFILL IS CONDUCTIVE TO PLANT GROWTH.

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 (60 sq m x 0.8 metre deep)	3	54.0	48.0	89%
AREA B - 3 large trees plant bed (120 sq m x 0.4 metre deep)	3	54.0	48.0	89%
AREA C - 12 large trees, 5 existing trees plant bed (960 sq m x 0.4 metre deep)	17	306.0	384.0	125%
AREA C1 - 1 large tree (continuous area) plant bed (45 sq m x 0.4 metre deep)	1	18.0	18.0	100%
AREA D - 4 large trees, 1 medium tree, 3 existing trees plant bed (445 sq m x 0.4 metre deep)	8	141.0	178.0	126%
AREA E - 2 large trees plant bed (80 sq m x 0.4 metre deep)	2	36.0	32.0	89%
AREA F - 1 large tree (continuous area) plant bed (40 sq m x 0.4 metre deep)	1	18.0	16.0	89%
AREA G - 2 large trees plant bed (85 sq m x 0.4 metre deep)	2	36.0	34.0	94%
AREA H - 2 large trees plant bed (80 sq m x 0.4 metre deep)	2	36.0	32.0	89%

GENERAL NOTES

1. All general site information and conditions compiled from existing plans, surveys and Consultant's field notes. Report all discrepancies prior to any work. No responsibility is born by the Consultant for unknown subsurface conditions.

2. The location of the utilities is approximate only, and the exact location should be determined by consulting the Municipal Authorities and Utility Companies concerned. The Contractor shall prove the location of utilities and shall be responsible for adequate protection from damage.

3. No tree, designated on this plan as to stay, shall be removed. Where conditions in the field affect the safety or retention of the designated tree, the Consultant or Owner are to be notified.

4. Pruning of existing trees shall be done only to repair existing damage, as shown on plan or as directed by the Consultant or Owner. Pruning to be done only by a qualified Arborist.

5. Review project with Consultant prior to commencing any on site work.

6. All dimensions shown are to be verified on site prior to any construction. No deletions are to be made from the layouts as shown on this plan without prior consultation with the Consultant or Owner.

7. All sodded areas to receive a minimum of 150mm of topsoil over graded sub-base. Do not use mesh. Sod shall come from an approved source and shall be laid within 24 hours of being cut in the nursery. Only nursery sod shall be used.

8. Stake planting locations and receive approval of the Consultant, prior to excavation of any planting pits. No substitutions of plant material shall be made without prior approval(s) of the Consultant.

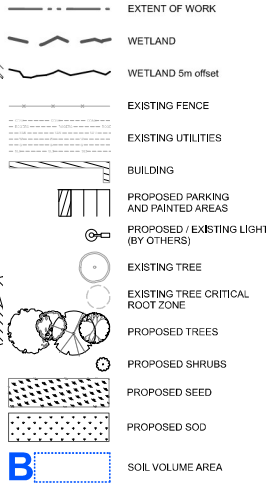
9. Where clay is encountered proper drainage must be ensured in tree/soil pits, prior to planting. Have method approved by the Consultant.

10. Final subgrade is to be approved by the Consultant prior to importing topsoil and sod being laid.

11. Maintain positive surface runoff through the entire construction period.

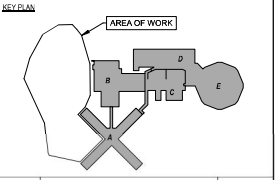
12. Reinstatement all areas and items damaged as a result of construction activities.

LEGEND

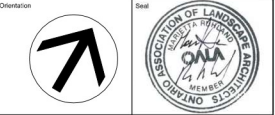


Origin/ID	Qty	Botanical Name	Common Name	Sched.	Size	Remarks
Plant List						
TREES						
Nv H ArAr	3	Acer rubrum	Red Maple	70mm caliper	WB, Staked	
Nv As	2	Acer saccharum	Sugar Maple	70mm caliper	WB, Staked	
Nv Co	6	Callus occidentalis	Common Highberry	70mm caliper	WB, Staked	
Nv H GtS	2	Gleditsia triacanthos var. Inermis 'Shademaster'	Shademaster Honeylocust	70mm caliper	WB, Staked	
Nv Gd	2	Gymnocladus dioica	Kentucky Coffeen Tree	70mm caliper	WB, Staked	
Nv Jn	2	Juglans nigra	Black Walnut	70mm caliper	WB, Staked	
Nv Qm	3	Quercus macrocarpa	Bur Oak	70mm caliper	WB, Staked	
Nv Qr	8	Quercus rubra	Northern Red Oak	70mm caliper	WB, Staked	
Nv Sd	1	Sorbus decora	Showy Mountain Ash	70mm caliper	WB, Staked	
Nv H UaVf	2	Ulmus americana 'Valley Forge'	Valley Forge Elm	70mm caliper	WB, Staked	
SHRUBS						
Nv Ca	4	Cornus alternifolia	Alternata-leaved Dogwood	150cm ht.	BBB	
Nv Vb	5	Viburnum lentago	Nannyberry Viburnum	150cm ht.	BBB	

KEY: Nv = Native species; Nv H = Horticultural variety of Native species; Non N = Non-native species.



No.	Revisions	Date
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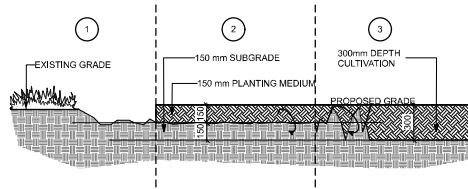
Ontario
 Infrastructure Ontario

AMIS N B
 Project: OTTAWA CARLETON DETENTION CENTRE TEMPORARY PARKING LOT EXPANSION
 Location: 2244 INNES ROAD, GLOUCESTER TOWNSHIP OTTAWA - PIN#04757-0552
 Project No. Site No. Building No.
 Date

LANDSCAPE PLAN

Scale: _____ Date: JANUARY 2023

Drawn by: TF Submittal Performance Date: _____
 Designed by: MR Drawing No: **L-2**
 Approved by: _____
 CADD File Name: _____

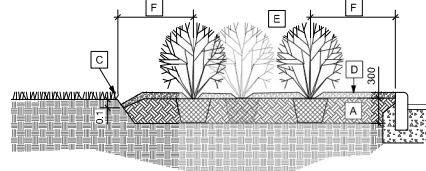


SOIL PREPARATION

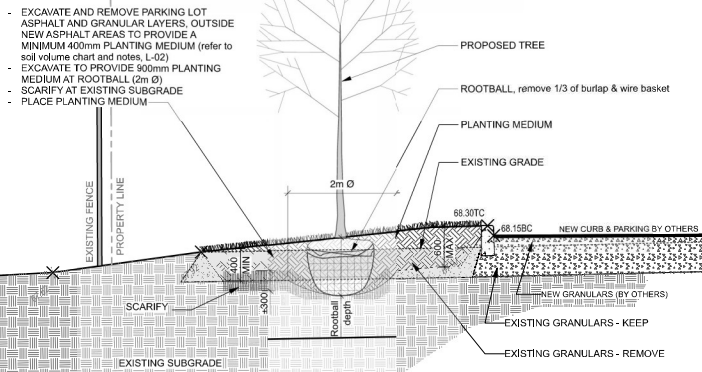
1. GRUB OUT GRASSES AND PLANTS (100mm - 150mm average depth)
2. PLACE 150mm IMPORTED PLANTING MEDIUM
3. CULTIVATE TO A FULL DEPTH OF 300mm FROM TOP OF IMPORTED PLANTING MEDIUM
4. PLACE 150mm IMPORTED PLANTING MEDIUM
5. CULTIVATE TO A FULL DEPTH OF 300mm FROM TOP OF IMPORTED PLANTING MEDIUM

1 SHRUB BED PREPARATION
Scale: NTS

- A COMPACTED PLANTING MEDIUM (SEE SHRUB BED PREPARATION)
- B ROOTBALL / POT
- C EDGE TO DEPTH OF 100mm
- D 50-75 mm MULCH LAYER, KEEP MULCH AWAY FROM STEMS
- E PRUNE DAMAGE, DISEASED OR WEAK BRANCHES AS PER ACCEPTED HORTICULTURAL PRACTICE
- F SHRUBS TO BE PLANTED 900mm MIN FROM EDGE OF BED/CURB

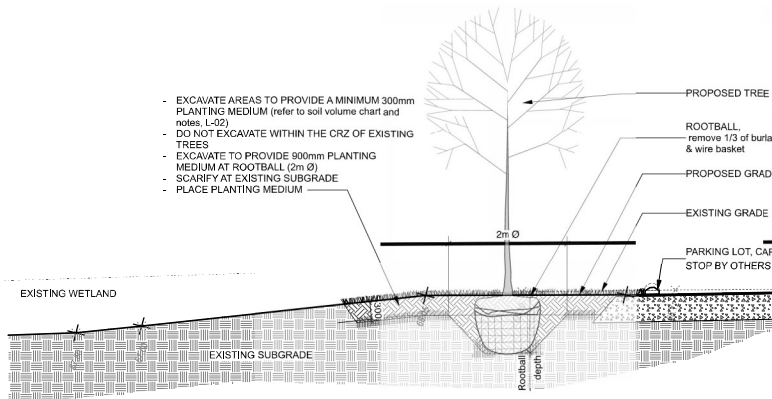


2 SHRUB PLANTING
Scale: NTS



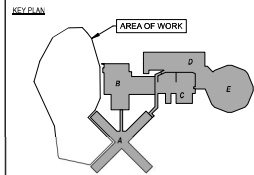
AA SECTION A-A - TREE PLANTING AT ASPHALT / GRANULAR REMOVAL
Scale: NTS

MINIMUM IMPORTED TOPSOIL DEPTH = 400mm
(ACCEPTABLE WHERE THERE IS APPROVED SUBGRADE BELOW)
WHERE EXISTING GRANULARS ARE ENCOUNTERED AT 400mm DEPTH, EXCAVATE TO A MAXIMUM DEPTH OF 600mm OR TO APPROVED SUBGRADE



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

MINIMUM IMPORTED TOPSOIL DEPTH = 300mm
(ACCEPTABLE WHERE THERE IS APPROVED SUBGRADE BELOW)
WHERE EXISTING GRANULARS ARE ENCOUNTERED AT 400mm DEPTH, EXCAVATE TO REQUIRED DEPTH FOR SOIL VOLUME REQUIREMENTS, OR TO APPROVED SUBGRADE



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Ontario
Infrastructure Ontario

AMIS N B

Project: OTTAWA CARLETON DETENTION CENTRE TEMPORARY PARKING LOT EXCAVATION

Location: 2244 INNES ROAD, GLOUCESTER TOWNSHIP OTTAWA - PIN#04757-0552
Project No: Site No: Building No:

Client: Drawing Title: **DETAILS**

Scale: Date: JANUARY 2023

Drawn by: TF Submittal Performance Date:

Designed by: M/R Drawing No:

Approved by: **L-3**

CADD File NAME: