



SOUTH MARCH BESS

2555 AND 2625 MARCHURST RD, OTTAWA

25-07-11

Project Number: 160402040



LIST OF DRAWINGS

LANDSCAPE DRAWINGS:

L1	LANDSCAPE PLAN
L2	ENLARGEMENT: PLANTING PLAN
L3	LANDSCAPE DETAILS

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Legend

- PROPERTY LINE
--- HYDRO CORRIDOR EASEMENT

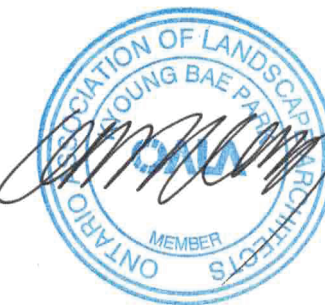
Notes

- REFER TO SOUTH MARCH BESS STATION TREE CONSERVATION REPORT BY HATCH AND DATED MARCH 5, 2025 FOR DETAILS ON TREE REMOVALS, POTENTIAL IMPACTS TO TREES, AND VEGETATION AREAS TO BE RETAINED / PROTECTED.
- ONE MUNICIPALLY OWNED TREE REMOVAL IS ANTICIPATED AND PROPOSED TO BE COMPENSATED AT A 1:1 RATIO. ADDITIONAL TREE PLANTING SHOWN IS INTENDED TO PROVIDE A VEGETATION SCREEN FOR PROPOSED NOISE WALL. REFER TO ACOUSTIC ASSESSMENT REPORT - EVOLUGEN SOUTH MARCH BATTERY ENERGY STORAGE PROJECT.
- REFER TO CIVIL DESIGN DRAWINGS.
- BASED ON THE REPORT: SOUTH MARCH BATTERY ENERGY STORAGE SYSTEM (BESS) PRELIMINARY GEOTECHNICAL INVESTIGATION (2025-04-14) NO SENSITIVE MARINE CLAY SOILS WERE IDENTIFIED ON SITE. AS SUCH, THE CITY OF OTTAWA GUIDELINES FOR TREE PLANTING IN SENSITIVE MARINE CLAY SOILS DO NOT APPLY FOR THIS PROJECT AREA.

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Revision		By	Appd. YY.MM.DD

File Name:	XR_160402038-L-Planting.dwg	BL	KP	BL	25.06.04
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Permit-Seal



Client/Project

EVOLUGEN

SOUTH MARCH BESS
2555 AND 2625 MARCHURST RD, OTTAWA

Title

LANDSCAPE PLAN

Project No.
160402038

Scale
1:2000
0 20 60 100m

Drawing No.

Sheet

Revision

L1

1 of 3

2

LEGAL DESCRIPTION
SOUTHEAST 1/2 LOT 26, CONCESSION 1
PIN 04533-0507 (LT)

ANTICIPATED LIMIT OF TREE CANOPY COVER AT
40 YEARS GROWTH:
• TOTAL TREE CANOPY AREA = 445,451m²
• PROJECT SITE AREA = 841,333m²
• ANTICIPATED SITE CANOPY COVERAGE = 53%

PLANTING SCHEDULE

DECIDUOUS TREES

KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm - O.C.)	CALIPER (mm)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	MATURE HEIGHT	AVAILABLE SOIL VOLUME / TREE (m ³)	OWNERSHIP
ASM	1	Acer saccharinum	Silver Maple	Refer to Plan	50	-	W.B.	native (Ontario), full sun, fall foliage	Large (15m+)	more than 30	Private
AS	1	Acer saccharum	Sugar Maple	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, fall foliage	Large (15m+)	more than 30	Private
AG	1	Aesculus glabra	Ohio buckeye	Refer to Plan	50	-	W.B.	native (Ontario), full sun, partial sun/shade, attracts birds, fall foliage	Medium (10-15m)	more than 30	Private
COA	1	Carya ovata	Shagbark Hickory	Refer to Plan	50	-	W.B.	native (Ontario), full sun, partial sun/shade, fall foliage	Large (15m+)	more than 30	Private
OV	1	Ostrya virginiana	Ironwood	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, partial sun/shade, full shade, attracts birds, fall foliage	Medium (10-15m)	more than 30	Private
PD	1	Populus deltoides	Eastern Cottonwood	Refer to Plan	50	-	W.B.	native (Ontario), full sun, edible, fall foliage, low maintenance	Large (15m+)	more than 30	Private
QA	1	Quercus alba	White Oak	Refer to Plan	50	-	W.B.	native (Ontario), full sun, fall foliage	Large (15m+)	more than 30	Private
QMA	2	Quercus macrocarpa	Bur Oak	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, low maintenance, full sun, fall foliage	Medium (10-15m)	more than 30	Private
QR	1	Quercus rubra	Red Oak	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, fall foliage	Large (15m+)	more than 30	Private
TA	1	Tilia americana	Basswood	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts butterflies, fragrant	Large (15m+)	more than 30	Private

CONIFEROUS TREES

KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm - O.C.)	CALIPER (mm)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	MATURE HEIGHT	AVAILABLE SOIL VOLUME / TREE (m ³)	OWNERSHIP
LL	2	Larix laricina	Eastern larch	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, fall foliage, low maintenance	Large (15m+)	more than 30	Private
PG	3	Picea glauca	White Spruce	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, drought tolerant, low maintenance	Large (15m+)	more than 30	Private
PM	1	Picea mariana	Black Spruce	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, partial sun/shade	Large (15m+)	more than 30	Private
PRS	1	Picea rubens	Red Spruce	Refer to Plan	-	2000	W.B.	native (Ontario)	Large (15m+)	more than 30	Private
PB	1	Pinus banksiana	Jack Pine	Refer to Plan	-	2000	W.B.	native (Ontario)	Medium (10-15m)	more than 30	Private
PR	3	Pinus resinosa	Red Pine	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, drought tolerant	Large (15m+)	more than 30	Private
PS	4	Pinus strobus	White Pine	Refer to Plan	-	2000	W.B.	native (Ontario), drought tolerant, salt tolerant, full sun, low maintenance	Large (15m+)	more than 30	Private
TO	3	Thuja occidentalis	Eastern White Cedar	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, partial sun/shade, low maintenance	Medium (10-15m)	more than 30	Private



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Legend

- PROPOSED LARGE TREE
SINGLE TREE SOIL VOLUME (20m³)
MULTIPLE TREE SOIL VOLUME (18m³ / TREE)
- PROPOSED MEDIUM TREE
SINGLE TREE SOIL VOLUME (25m³)
MULTIPLE TREE SOIL VOLUME (15m³ / TREE)
- PROPOSED CONIFEROUS TREE
SINGLE TREE SOIL VOLUME (25m³)
MULTIPLE TREE SOIL VOLUME (15m³ / TREE)
- ANTICIPATED LIMIT OF CANOPY COVER AFTER FORTY YEARS

Notes

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ENLARGEMENT: PLANTING PLAN

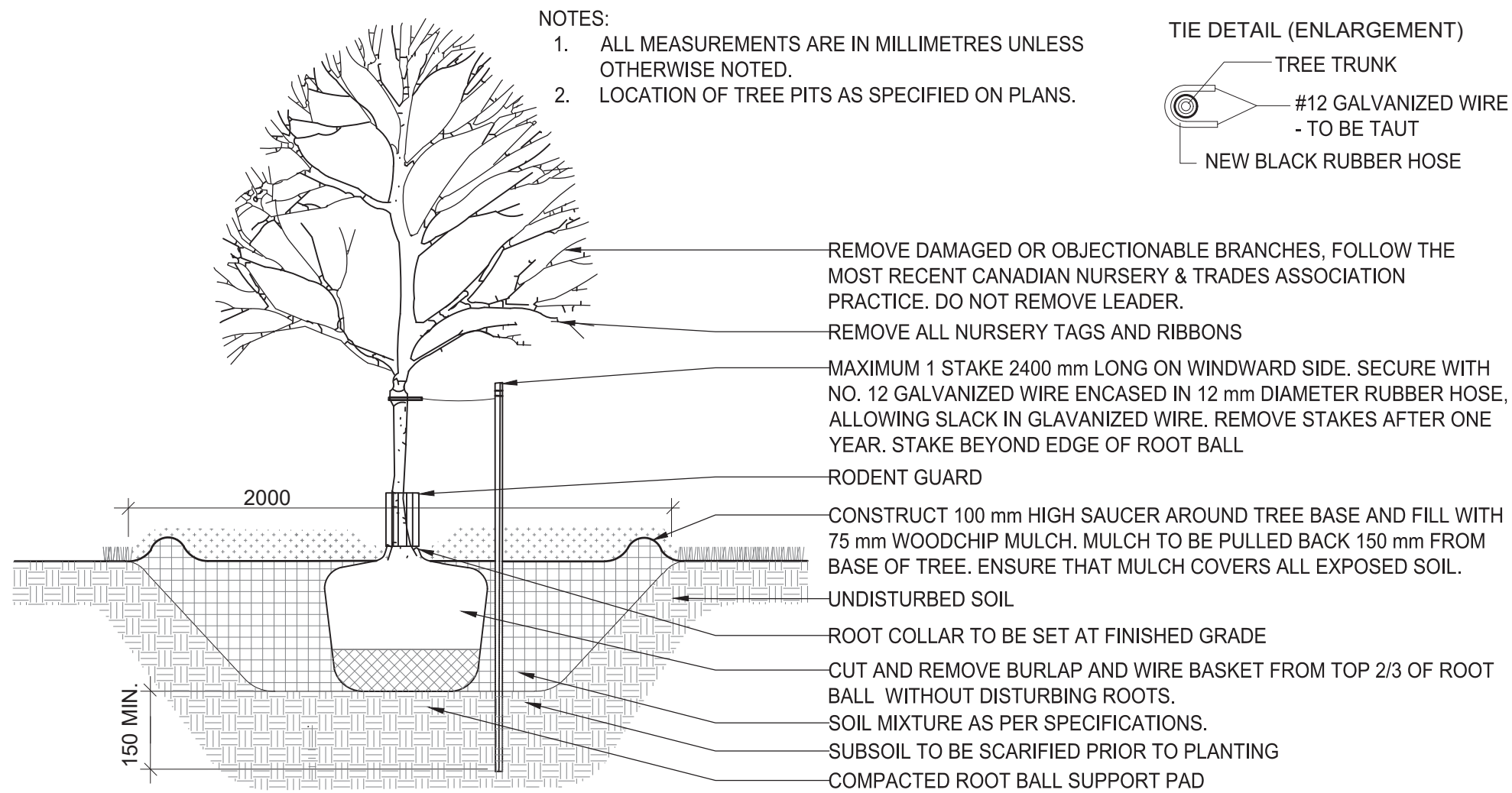
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160402038	1:750				

Drawing No. Sheet Revision

L2

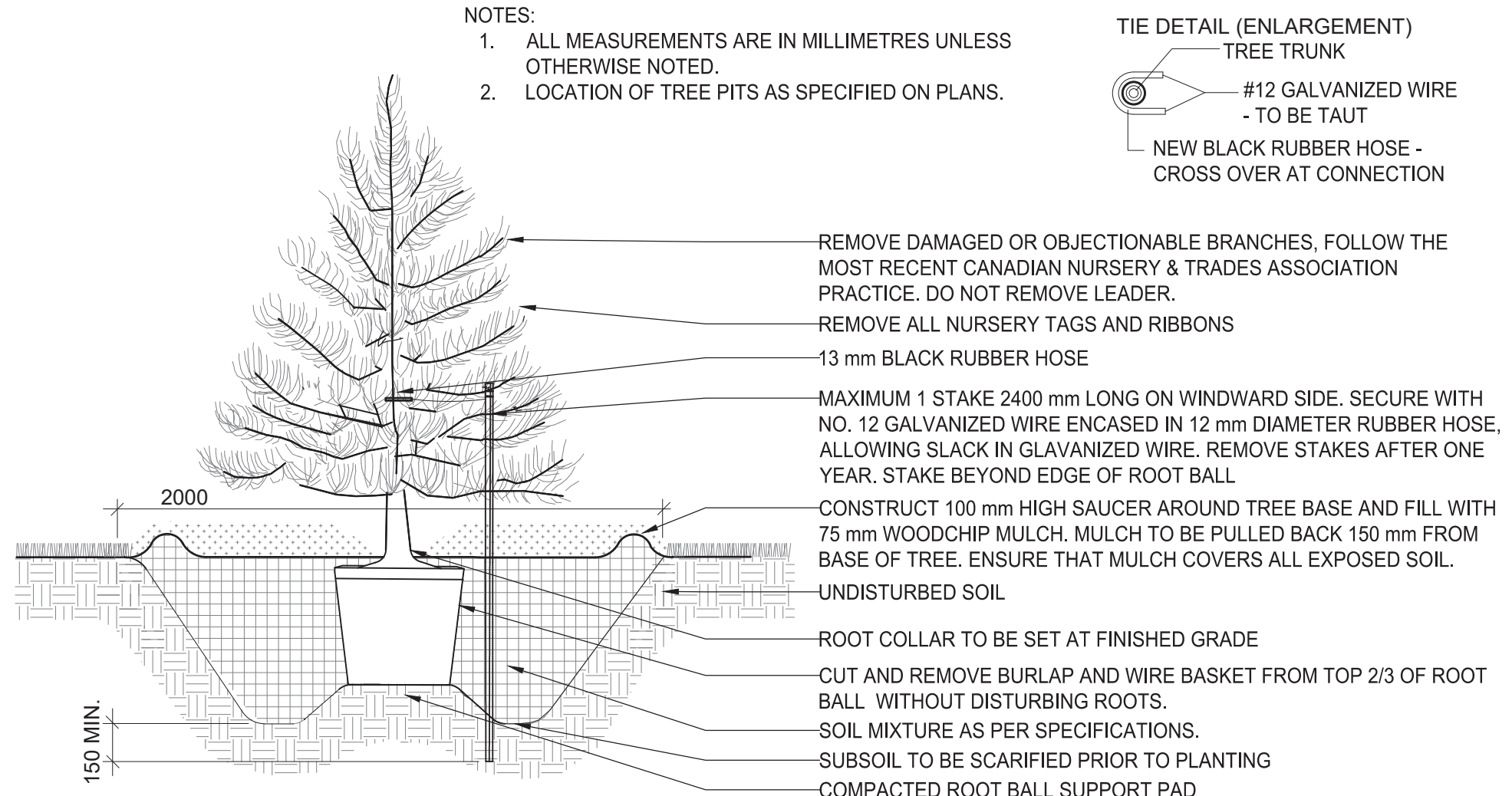
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1 DECIDUOUS TREE PLANTING DETAIL

N.T.S.



2 CONIFEROUS TREE PLANTING DETAIL

N.T.S.

LANDSCAPE NOTES

1. REFER TO ENGINEERING DRAWINGS FOR PROPOSED GRADING, SITE SERVICING, AND FENCING LOCATION.
2. EXISTING VEGETATED AREAS ON ADJACENT PROPERTIES SHALL REMAIN AND BE PROTECTED BEFORE, DURING, AND AFTER CONSTRUCTION.
3. CONTRACTOR TO LOCATE AND STAKE ALL UTILITIES PRIOR TO ANY WORK ON THE SITE AND TO OBTAIN CLEARANCE FROM ALL APPLICABLE UTILITIES. DO NOT PLANT DIRECTLY ABOVE UNDERGROUND UTILITIES. REPORT CONFLICTS AND ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR DIRECTION.
4. NO TREES SHALL BE PLANTED ON PROPERTY / LOT LINES OR WITHIN DRAINAGE EASEMENTS.
5. NO TREES SHALL BE PLANTED UNDER OVERHEAD WIRES.
6. MAINTAIN A MINIMUM DISTANCE OF 1500mm BETWEEN TREE PLANTING AND ALL UNDERGROUND UTILITIES OR USE ROOT BARRIERS WHERE ROOT BALL OF TREE IS WITHIN 1000mm OF UNDERGROUND UTILITIES.
7. MAINTAIN A MINIMUM DISTANCE OF 4500mm BETWEEN TREE PLANTING AND ALL BUILDINGS.
8. MAINTAIN A MINIMUM DISTANCE OF 4000mm BETWEEN TREE PLANTING AND ALL HYDRO TRANSFORMERS.
9. MAINTAIN A MINIMUM DISTANCE OF 2000mm FROM THE ROAD CURB FOR DECIDUOUS TREES AND 5000mm FOR CONIFEROUS TREES.
10. MAINTAIN A MINIMUM DISTANCE OF 2000mm BETWEEN TREE PLANTING AND FIRE HYDRANTS.
11. MAINTAIN A MINIMUM DISTANCES OF 2500mm BETWEEN TREE PLANTING AND STREET LIGHTS.
12. MAINTAIN A MINIMUM OF 2000mm BETWEEN DECIDUOUS TREE PLANTING AND SIDEWALKS, PATHWAYS, AND DRIVEWAYS.
13. MAINTAIN A MINIMUM OF 4500mm BETWEEN CONIFEROUS TREE PLANTING AND SIDEWALKS, PATHWAYS, AND DRIVEWAYS.
14. MINIMUM DISTANCE BETWEEN DECIDUOUS TREES SHOULD BE AS FOLLOWS:
 - 7.5m FOR LARGE GROWING TREES
 - 4m FOR SMALL GROWING TREES
15. THE LANDSCAPE ARCHITECT MAY ADJUST THE LOCATION OF PLANTING PRIOR TO PLANTING TO MINIMIZE CONFLICTS WITH UTILITIES, DRIVEWAYS AND INTERSECTION VISIBILITY.
16. CONTRACTOR SHALL SUPPLY ALL MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE WORK SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR DIRECTION.

17. DO NOT MAKE SUBSTITUTIONS OF MATERIALS, PRODUCTS OR QUANTITIES WITHOUT PRIOR WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.
18. PLANT MATERIAL QUALITY STANDARDS:
 - 18.1. ALL PLANT MATERIAL TO CONFORM TO THE CANADIAN NURSERY TRADES ASSOCIATION AND THE CANADIAN STANDARDS FOR NURSERY STOCK AS TO SPECIES, SIZE AND CONDITION.
 - 18.2. PLANT MATERIAL COLLECTED FROM WILD SOURCES ARE NOT ACCEPTABLE.
 - 18.3. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ACCEPTANCE OF ANY PLANT DISPLAYING POOR GROWTH HABITS APPROPRIATE TO SPECIES, DISEASE OR DAMAGE FROM POOR HANDLING DURING TRANSPORT, ON SITE STORAGE, INSTALLATION OR MAINTENANCE.
 - 18.4. ANY PLANTS THAT DO NOT CONFORM TO THESE STANDARDS WILL BE PROMPTLY REMOVED FROM THE SITE BY THE CONTRACTOR AND REPLACED WITH MATERIAL OF ACCEPTABLE QUALITY AT NO ADDITIONAL COST TO THE PROJECT.
19. THE CONTRACTOR TO MAKE GOOD TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT ANY AREAS DAMAGED BY THE WORK.
20. SEED SHALL BE INSTALLED IN ALL DISTURBED AREAS AND AS PER OPSS 804. SEED SHALL BE A LOW MAINTENANCE LAWN MIXTURE #7104 BY OSC SEEDS OR APPROVED EQUIVALENT. SEEDING SHALL BE INSTALLED MECHANICALLY WITH MULCH OVER 150mm OF TOPSOIL. DISTURBED AREAS INCLUDE THOSE AREAS OUTSIDE THE PROPERTY.
21. PRUNING - TO SUIT SPECIES - PRUNE BRANCHES BY 1/3 TO REMOVE DAMAGED OR OBJECTIONABLE BRANCHES FOLLOWING PROPER HORTICULTURAL PRACTICE. DO NOT PRUNE LEADERS.
22. UPON THE COMPLETION OF WORK EACH DAY, REMOVE ALL DEBRIS, GARBAGE AND SURPLUS MATERIALS FROM THE SITE. KEEP THE SITE CLEAN AND USEABLE AT ALL TIMES.
23. ALL WORKMANSHIP AND MATERIALS (INCLUDING PLANTS) TO BE GUARANTEED FOR ONE FULL YEAR FOLLOWING FINAL ACCEPTANCE OF THE PROJECT BY THE LANDSCAPE ARCHITECT.
24. THE CONTRACTOR SHALL REMOVE ALL TREE STAKES AND TREE SUPPORTS PRIOR TO ASSUMPTION BY THE OWNER.
25. AT THE TIME OF INSPECTION FOR ACCEPTANCE ALL TREE PITS SHALL BE CULTIVATED, FREE OR WEEDS, LEAVES, BROKEN BRANCHES AND DEBRIS.

PLANTING NOTES

1. THE DETAILS ON THIS SHEET DO NOT REPRESENT ANY PARTICULAR SPECIES.
2. TREES AND SHRUBS AS INDICATED IN THE DETAILS REPRESENT BOTH CONIFEROUS AND DECIDUOUS SPECIES.
3. MATERIAL PLANTED IN GROUP SHALL BE SET IN CONTINUOUS PLANTING BEDS.
4. CENTRE LINE OF SHRUBS SHALL NOT BE CLOSER THAN 2.4M FROM BUILDING FACE TO PROTECT BUILDING FOOTINGS AND INSULATION.
5. PRUNING - TO SUIT SPECIES - PRUNE BRANCHES BY 1/3 TO REMOVE DAMAGED OR OBJECTIONABLE BRANCHES FOLLOWING PROPER HORTICULTURAL PRACTICE. DO NOT PRUNE LEADERS.
6. FIRMLY COMPACT BACKFILLED PLANTING MIXTURE TO ELIMINATE AIR POCKETS OR PREVENT SETTLEMENT.
7. TOPSOIL:
 - 7.1. SOIL TEXTURE BASED ON THE CANADIAN SYSTEM OF SOIL CLASSIFICATION TO CONSIST OF:
 - 7.1.1. CLAY: 14-20%
 - 7.1.2. SILT: 0-35%
 - 7.1.3. SAND: 45-70%
 - 7.1.4. ORGANIC MATERIAL: 4-10%
 - 7.1.5. PH: 6-8
 - 7.2. SPREAD TOPSOIL TO FOLLOWING MINIMUM DEPTHS AFTER SETTLEMENTS UNLESS OTHERWISE NOTED ON DETAILS:
 - 7.2.1. 300MM FOR PERENNIALS
 - 7.2.2. 500MM FOR SHRUB BEDS
 - 7.2.3. 1000MM FOR TREE PLANTING
8. MULCH:
 - 8.1. MULCH SHALL BE SHREDDED WOOD VARYING IN SIZE FROM 25-125MM IN LENGTH FROM CONIFEROUS TREES.

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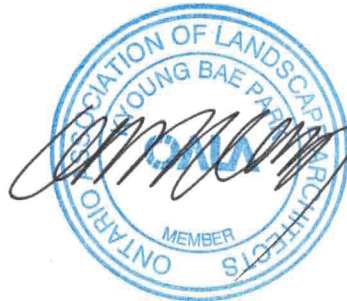
Legend

Notes

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xx

Client/Project

EVOLUGEN

SOUTH MARCH BESS
2555 AND 2625 MARCHURST RD, OTTAWA

Title

LANDSCAPE DETAILS AND NOTES

Project No.	Scale
160402038	
Drawing No.	Sheet
	Revision

L3

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