



SOUTH MARCH BESS

RE-ISSUED FOR CITY REVIEW

2555 AND 2625 MARCHURST RD, OTTAWA
25-10-08
Project Number: 160402040



LIST OF DRAWINGS

LANDSCAPE DRAWINGS:	
L1	LANDSCAPE PLAN
L2	ENLARGEMENT: PLANTING PLAN
L3	LANDSCAPE DETAILS

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

- PROPERTY LINE
--- HYDRO CORRIDOR EASEMENT
● PROPOSED TREE

PRELIMINARY
NOT FOR CONSTRUCTION

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. IT IS ANTICIPATED THAT SEVENTY (70) TREES WILL REQUIRE REMOVAL TO FACILITATE THE CONSTRUCTION OF THE FACILITY ACCESS DRIVE.

1.1. 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 ENGINEERING DRAWINGS FOR PROPOSED DESIGN, INCLUDING: HARDSCAPE, GRADING, SITE SERVICING, AND FENCING INFORMATION.
- FOR SITE SURVEY INFORMATION, REFER TO SURVEY PROVIDED BY TULLOCH GEOMATICS INC., DATED MARCH 11, 2025.
- REFER TO THE ENVIRONMETNAL IMPACT STUDY PROVIDED BY STANTEC, DATED JUNE 11, 2025

2	RE-ISSUED FOR CITY REVIEW	BL	PP 25.10.08
1	ISSUED FOR CITY REVIEW	BL	KP 25.07.11
Revision		By	Appd. YY.MM.DD

File Name:	XR_160402038-Planting.dwg	BL	KP	BL	25.06.04
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project

EVOLUGEN

SOUTH MARCH BESS
2555 AND 2625 MARCHURST RD, OTTAWA

Title

LANDSCAPE PLAN

Project No.
160402038

Scale
1:2000


Drawing No.

Sheet

Revision

L1

1 of 3

3

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

TREE CANOPY COVER:
• PROPERTY AREA: 2555 MARCHURST RD = 41.86 HA
• APPROXIMATE TOTAL EXISTING TREE CANOPY COVER = 382,900m²
• ANTICIPATED AREA OF VEGETATION REMOVAL = 3,500m²
• ANTICIPATED CANOPY COVER FOR PROPOSED TREES AT 40 YEARS OF GROWTH = 8,440m²

PLANTING SCHEDULE

DECIDUOUS TREES

KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm - O.C.)	CALIPER (mm)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	SIZE	ANTICIPATED CANOPY HEIGHT*	ANTICIPATED CANOPY DIAMETER*	APPROX. CANOPY COVER AT 40yrs (m ²)
AG	2	Aesculus glabra	Ohio buckeye	Refer to Plan	50	-	W.B.	native (Ontario), full sun, partial sun/shade, attracts birds, fall foliage	Medium	10-15m	10m	157
AS	3	Acer saccharum	Sugar Maple	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, fall foliage	Large	15m+	18m	763
ASM	3	Acer saccharinum	Silver Maple	Refer to Plan	50	-	W.B.	native (Ontario), full sun, fall foliage, prefers moist soils	Large	15m+	18m	763
CCS	1	Carya cordiformis	Bitternut Hickory	Refer to Plan	50	-	W.B.	native (Ontario), partial sun/shade, fall foliage, low maintenance	Large	15m+	15m	177
COA	1	Carya ovata	Shagbark Hickory	Refer to Plan	50	-	W.B.	native (Ontario), full sun, partial sun/shade, fall foliage	Large	15m+	17m	227
COS	1	Celtis occidentalis	Northern Hackberry	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts birds, fall foliage	Medium	10-15m	16m	201
GD	2	Gymnocladus dioica	Kentucky Coffeetree	Refer to Plan	50	-	W.B.	native (Ontario), full sun, fall foliage, fragrant, salt tolerant, prefers moist soils	Large	15m+	15m	353
JN	3	Juglans nigra	Black Walnut	Refer to Plan	50	-	W.B.	native (Ontario), salt tolerant, drought tolerant, full sun, edible fruit, fall foliage, prefers moist soils	Large	15m+	18m	763
OV	3	Ostrya virginiana	Ironwood	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, partial sun/shade, full shade, attracts birds, fall foliage, prefers moist soils	Medium	10-15m	8m	161
PD	2	Populus deltoides	Eastern Cottonwood	Refer to Plan	50	-	W.B.	native (Ontario), full sun, edible, fall foliage, low maintenance	Large	15m+	18m	509
QA	2	Quercus alba	White Oak	Refer to Plan	50	-	W.B.	native (Ontario), full sun, fall foliage, prefers moist soils	Large	15m+	22m	760
QMA	3	Quercus macrocarpa	Bur Oak	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, low maintenance, full sun, fall foliage, prefers moist soils	Medium	10-15m	18m	763
QR	2	Quercus rubra	Red Oak	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, fall foliage	Large	15m+	20m	628
SN	3	Salix nigra	Black Willow	Refer to Plan	50	-	W.B.	native (Ontario), full sun, attracts birds, prefers moist soils, shoreline restoration	Large	15m+	15m	530
TA	3	Tilia americana	Basswood	Refer to Plan	50	-	W.B.	native (Ontario), drought tolerant, full sun, partial sun/shade, attracts butterflies, fragrant	Large	15m+	15m	530
TC	1	Tilia cordata	Little Leaf Linden	Refer to Plan	50	-	W.B.	native (Ontario), full sun, partial sun/shade, attracts butterflies, fall foliage, fragrant, prefers moist soils	Medium	10-15m	12m	177

CONIFEROUS TREES

KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING (mm O.C.)	CALIPER (mm)	HEIGHT (mm)	ROOT	DESCRIPTION / NOTES	SIZE	ANTICIPATED CANOPY HEIGHT*	ANTICIPATED CANOPY DIAMETER*	APPROX. CANOPY COVER AT 40yrs (m ²)
LL	4	Larix laricina	Eastern larch	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, fall foliage, low maintenance, prefers moist soils	Large	15m+	10m	314
PG	6	Picea glauca	White Spruce	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, drought tolerant, low maintenance, prefers moderately drained soils	Large	15m+	8m	302
PM	2	Picea mariana	Black Spruce	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, partial sun/shade	Large	15m+	12m	226
PRS	2	Picea rubens	Red Spruce	Refer to Plan	-	2000	W.B.	native (Ontario)	Large	15m+	10m	157
PB	2	Pinus banksiana	Jack Pine	Refer to Plan	-	2000	W.B.	native (Ontario)	Medium	10-15m	4m	25
PR	5	Pinus resinosa	Red Pine	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, drought tolerant	Large	15m+	7m	192
PS	9	Pinus strobus	White Pine	Refer to Plan	-	2000	W.B.	native (Ontario), drought tolerant, salt tolerant, full sun, low maintenance	Large	15m+	10m	707
TO	5	Thuja occidentalis	Eastern White Cedar	Refer to Plan	-	2000	W.B.	native (Ontario), full sun, partial sun/shade, low maintenance, prefers moist soils	Medium	10-15m	4m	63

*Anticipated tree height and canopy cover diameter at 40 years has been determined by a review of City of Ottawa Forestry, Michael A. Dirr "Manual of Woody Landscape Plants" and local plant nursery catalogues



Stantec Consulting Ltd.
400 - 1331 Clyde Avenue
Ottawa ON
Tel. 613.722.4420
www.stantec.com

Copyright Reserved

The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.
The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend

--- PROPERTY LINE



PROPOSED DECIDUOUS TREE



PROPOSED CONIFEROUS TREE

--- ANTICIPATED LIMIT OF CANOPY COVER AFTER FORTY YEARS

STORMWATER POND SEED MIX.
ALL DISTURBED AREAS TO BE REINSTATED WITH 150mm TOPSOIL AND SEE. REFER TO PLANTING NOTES SHEET L3.

PRELIMINARY
NOT FOR CONSTRUCTION

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. IT IS ANTICIPATED THAT SEVENTY (70) TREES WILL REQUIRE REMOVAL TO FACILITATE THE CONSTRUCTION OF THE FACILITY ACCESS DRIVE.

1.1. 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 AND COMPENSATE ANTICIPATED TREE REMOVALS AT A 1:1 RATIO. REFER TO ACOUSTIC ASSESSMENT REPORT - EVOLUGEN SOUTH MARCH BATTERY ENERGY STORAGE PROJECT.
- REFER TO CIVIL ENGINEERING DRAWINGS FOR PROPOSED DESIGN, INCLUDING: HARDSCAPE, GRADING, SITE SERVICING, AND FENCING INFORMATION.
- FOR SITE SURVEY INFORMATION, REFER TO SURVEY PROVIDED BY TULLOCH GEOMATICS INC., DATED MARCH 11, 2025.
- REFER TO THE ENVIRONMETNAL IMPACT STUDY PROVIDED BY STANTEC, DATED JUNE 11, 2025

2	RE-ISSUED FOR CITY REVIEW	BL	PP	25.10.08
1	ISSUED FOR CITY REVIEW	BL	KP	25.07.11
Revision		By	Appd.	YY.MM.DD

File Name:	XR_160402038-Planting.dwg	BL	KP	BL	25.06.04
		Down	Chkd	Dsgn	YY.MM.DD

Permit-Seal

Client/Project
EVOLUGEN

SOUTH MARCH BESS
2555 AND 2625 MARCHURST RD, OTTAWA

Title
ENLARGEMENT: PLANTING PLAN

Project No.
160402038

Scale
1:750

Drawing No.
Sheet

Revision

L2

2 of 3

3



The Contractor shall verify and be responsible for all dimensions. Do NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

Legend



L3 SCALE NTS



L3 SCALE NTS



L3 SCALE NTS



L3 SCALE NTS

1. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE FULL SCOPE OF WORK BY REVIEWING ALL DRAWINGS AND SPECIFICATIONS.
2. REFER TO CIVIL ENGINEERING DRAWINGS FOR GRADING, HARDOCAPE, SITE SERVICING AND FENCING INFORMATION.
3. EXISTING VEGETATED AREAS ON ADJACENT PROPERTIES SHALL REMAIN AND BE PROTECTED BEFORE, DURING, AND AFTER CONSTRUCTION.
4. CONTRACTOR TO LOCATE AND STAKE ALL UTILITIES PRIOR TO COMMENCING WORK ON THE SITE AND REPORT TO THE LANDSCAPE ARCHITECT. UTILITIES DO NOT PLANT DIRECTLY ABOVE UNDERGROUND UTILITIES. REPORT ANY CONFLICTS AND DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
5. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING SITE CONDITIONS AND REPORTING ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
6. ALL TREES SHALL BE PLANTED AT PROPERTY LOT LINES OR WITHIN DRAINAGE EASEMENTS.
7. REFER TO THE FOLLOWING MINIMUM SETBACKS AND REQUIREMENTS FOR TREE PLANTING:
 - a. NO TREES SHALL BE PLANTED UNDER OVER-HEAD WIRES.
 - b. 1500mm FROM ALL UNDERGROUND UTILITIES OR USE APPROVED ROOT BARRIER WHERE ROOT BALL IS WITHIN 1000mm OF UNDERGROUND UTILITIES.
 - c. 4500mm FROM ALL BUILDINGS.
 - d. 4000mm FROM ALL HYO TURBO TRANSFORMERS.
 - e. 2000mm FROM THE ROAD CURB FOR DECIDUOUS TREES AND 5000mm FOR CONIFEROUS TREES.
 - f. 2000mm FROM FIRE HYDRANTS.
 - g. 2500mm FROM STREET LIGHTS.
 - h. 2000mm FROM SIDEWALKS, PATHWAYS, AND DRIVEWAYS FOR DECIDUOUS TREES.
 - i. 4500mm FROM SIDEWALKS, PATHWAYS, AND DRIVEWAYS FOR CONIFEROUS TREES.
 - j. MINIMUM DISTANCE BETWEEN DECIDUOUS TREES AS FOLLOWS:
 - 7.5m FOR LARGE GROWING TREES
 - 4.0m FOR SMALL GROWING TREES
8. DO NOT MAKE SUBSTITUTIONS OF MATERIALS, PRODUCTS, OR QUANTITIES WITHOUT PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
9. LANDSCAPE ARCHITECT HAS THE RIGHT TO REFUSE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT ANY AREAS DAMAGED BY THE WORK.
10. CONTRACTOR SHALL SUPPLY ALL MATERIALS, PRODUCTS, AND QUANTITIES SUFFICIENTLY TO COMPLETE THE WORK SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES SHALL BE REPORTED TO THE LANDSCAPE ARCHITECT FOR DIRECTION.
11. ALL WORKMANSHIP AND MATERIALS (INCLUDING PLANTS) TO BE GUARANTEED FOR ONE FULL YEAR FOLLOWING FINAL ACCEPTANCE OF THE WORK BY THE LANDSCAPE ARCHITECT.

1. REFER TO CIVIL ENGINEERING DRAWINGS FOR PROPOSED DESIGN, INCLUDING: HARDSCAPE, GRADING, SITE SERVICING, AND FENCING INFORMATION.
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 DISTANCE 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.

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. ALL PLANT MATERIAL IS TO BE NO 1 NURSERY STOCK AND SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE *Canadian Standards for Nursery Stock (Latest Edition)* AS PUBLISHED BY THE *Canadian Nursery Landscape Association*.
4. SPECIES SUBSTITUTIONS ARE NOT PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
5. THE ILLUSTRATED NUMBER OF PLANTS SHOWN ON THE *Planting Plan* SUPERSEDES THE QUANTITIES SHOWN ON THE PLANT SCHEDULE. CONTRACTOR TO REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
6. SHRIMP/COMPACT BACKFILL PLANTING MIXTURE TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT AS PER SPECIFICATIONS.
7. PRUNING - TO SUIT SPECIES - PRUNE BRANCHES BY 1/3 TO REMOVE DAMAGED OR OBJECTORABLE BRANCHES FOLLOWING PROPER HORTICULTURAL PRACTICE AND AS PER SPECIFICATIONS. DO NOT PRUNE LEAD BRANCHES.
8. PLANT MATERIAL COLLECTED FROM WILD SOURCES ARE NOT ACCEPTABLE.
9. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ACCEPTANCE OF ANY PLANT MATERIALS THAT DO NOT CONFORM TO THE STANDARDS OR SPECIFICATIONS.
10. THE CONTRACTOR SHALL REMOVE ALL TREE STAKES AND TREE SUPPORTS PRIOR TO ASSUMPTION BY THE OWNER.
11. AT THE TIME OF REVIEW FOR FINAL ACCEPTANCE, ALL TREE PITS SHALL BE CULTIVATED, FREE OF WEEDS, LEAVES OR BROKEN BRANCHES AND DEBRIS.
12. ALL STORMWATER DRAINAGE SHALL BE UNOBTAINED, PROPER DRAINAGE MUST BE ENSURED IN TREE / SHRUB PITS. METHOD TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.
13. SEED SHALL BE INSTALLED IN ALL DISTURBED AREAS AND AS PER OSSH #04. SEED SHALL BE STORED PROPERLY IN A Stormwater Pond Native Seed Mixture PER190 BY OSG. SEEDS OF APPROVED EQUIVALENT. ALL OTHER DISTURBED AREAS TO BE REINSTATED WITH Native Pollinator Seed Mixture #2525 BY OSG OR APPROVED EQUIVALENT. SEEDING SHALL BE INSTALLED MECHANICALLY WITH Mixure Over 150mm TOPSOIL. DISTURBED AREAS INCLUDE THOSE AREAS OUTSIDE OF PERMITS THAT ARE TO BE APPROVED BY LANDSCAPE ARCHITECT. TOPSOIL MATERIAL AND TEXTURE AS PER SPECIFICATIONS.
14. MINIMUM DEPTH OF TOPSOIL AFTER SETTLEMENT, UNLESS OTHERWISE NOTED ON DETAILS:
 - a. 300mm FOR PERENNIALS
 - b. 500mm FOR SHRUBS
 - c. 1000mm FOR TREES

Notes

2	RE-ISSUED FOR CITY REVIEW	BL	PP 25.10.08
1	ISSUED FOR CITY REVIEW	BL	KP 25.07.11
Revision		By	Appd. YY.MM.DD

File Name: XR_160402040-L-Planting.dwg	BL	KP	BL	25.06.04
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

Client/Project

EVOLUGEN

SOUTH MARCH BESS
2555 AND 2625 MARCHURST RD, OTTAWA

Title

LANDSCAPE DETAILS AND NOTES

Project No. 160402038	Scale	
Drawing No.	Sheet	Revision

L3

3 of 3

3