



NOTES:

ADDRESS AND LEGAL DESCRIPTION:
 2555 MARCHURST ROAD
 PART OF PIN: 04533-0509 (LT)
 E LOT 25, CONCESSION 1 MARCH, S/T MH3272, MH3525, MH3632, MH3985, KANATA.

2625 MARCHURST ROAD
 PART OF PIN: 04533-0507 (LT)
 PART LOT 26 CONCESSION 1 MARCH AS IN CT180160, S/T MH43280, MH3607, MH3665, MH4024; CITY OF OTTAWA

PROPERTY AREA: 2555 MARCHURST RD - 41.86 ha
 2625 MARCHURST RD - 42.56 ha

- PROJECT COORDINATES ARE SET IN HORIZONTAL: NAD83(CRS) / M/M ZONE 9 - EPSG 2982. VERTICAL: CGVD08
- ROAD DIMENSIONS AND TURNING RADIUS HAVE BEEN DESIGNED TO ACCOMMODATE A TRIDEM DRIVE TRACTOR SEMITRAILER TRUCK, THE LTM 1300 6.2 OUTRIGGER CRANE, AND THE LR 1200 SX CRAWLER CRANE. REVIEW OF ACCESS FOR DELIVERY AND INSTALLATION OF EQUIPMENT/STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR
- THE VEHICLE USED TO PERFORM THE SIMULATION IS PUMPER FIRE TRUCK
 OVERALL LENGTH = 13.081m
 OVERALL WIDTH = 2.54m
 COUNTER-STEERING DELAY = 5SEC
 MAXIMUM WHEEL ANGLE 45.00°
- BATTERY ARRANGEMENT IS PER 7154023-300000-47-D20-0001-02.DWG.
- CONTRACT DESIGN DRAWINGS SHALL BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS, STANDARD DRAWINGS AND THE GEOTECHNICAL REPORT.
- CONTRACTOR TO REVIEW THE PRELIMINARY GEOTECHNICAL REPORT PREPARED BY HATCH DATED 2025-02-28. FILE H375142-0000-240-230-0001 BEFORE STARTING CONSTRUCTION.
- THE ENTIRE DEVELOPMENT AREA WILL BE COVERED BY AN IMPERVIOUS GEOMEMBRANE TO PROTECT THE UNDERGROUND WATER FROM ANY CONTAMINATION THAT MAY LEAK FROM THE BATTERIES AND TRANSFORMERS.

LEGEND:

●	GATE VALVE	---	EXISTING FENCE
●	CATCHBASIN WITH FILTER	-x-x-	PROPOSED FENCE
●	DRAFT FIRE HYDRANT	---	STORM PIPE
●	REMOTE FIRE-HYDRANT	---	WATER LINE
○	LIGHT STANDARD	---	OFFSET LINE
●	PROPOSED MANHOLE	---	EXISTING TRANSMISSION LINE
●	CATCH BASIN MANHOLE	---	PROPOSED 4.5m NOISE WALL
○	HP EXISTING HYDRO POLE	---	PROPERTY LINE
○	UM UNDERGROUND UTILITY MARKER	---	EXISTING WATERCOURSE (LAND INFORMATION ONTARIO)
□	TERMINAL BOX	---	WETLAND (LAND INFORMATION ONTARIO)
●	ANCHOR	---	WOODED AREA (LAND INFORMATION ONTARIO)
●	BOLLARD	---	PROPOSED PADS AND ROADS
○	VENT	---	PROPOSED SURFACE WATER FEATURES
○	EXISTING BOREHOLE	---	PROPOSED VEGETATED BERMS
□	AUXILIARY TRANSFORMER	---	PROPOSED REGISTERED FIRE ROUTE
□	DISTRIBUTION PANELS	---	PROPOSED INSULATING STONE SURFACE AREA
---		---	LANDSCAPING
---		---	PROPOSED CULVERT
---		---	EXISTING CULVERT
---		---	BATTERY/MVT GROUP
---		---	BESS ZONED AREA

ZONING COMPARISON CHART

RU-ZONE	REQUIRED	PROVIDED 2555 MARCHURST	PROVIDED 2625 MARCHURST
LOT AREA (MINIMUM)	0.8 ha	41.86 ha	42.56 ha
LOT WIDTH (MINIMUM)	50m	614.7m	312.5m
FRONT YARD (MINIMUM)	50m	235	235
INTERIOR SIDE YARD (MINIMUM)	5m	141.2m	293.5m
REAR YARD (MINIMUM)	10m	161.3m	797.8m
LOT COVERAGE (MAXIMUM)	20%	5%	9%
MINIMUM PARKING SPACES	0.8 PER 100m ² OF GROSS FLOOR AREA	N/A	N/A
MAX BUILDING HEIGHT	12m	0m	0m



PLAN VIEW SCALE 1:1000

SITE STATISTICS

DESCRIPTION	UNITS	QUANTITY
INITIAL BATTERY COUNT	UNIT	256
MAXIMUM AUGMENTATION BATTERY COUNT	UNIT	307
INITIAL MEDIUM VOLTAGE TRANSFORMER COUNT	UNIT	64
MAXIMUM AUGMENTATION MEDIUM VOLTAGE TRANSFORMER COUNT	UNIT	77
CONTROL BUILDING AREA	m ²	91.43
SUBSTATION AREA	m ²	8 433
PAD GRAVEL SURFACE	m ²	23 405
ROAD GRAVEL SURFACE	m ²	24 764
APPROXIMATE TOTAL DISTURBED AREA	m ²	92 600

OWNER AND CONSULTANTS

COMPANIES	PROJECT SCOPE	ADDRESS
EVOLUGEN	PROJECT DEVELOPER	41 RUE VICTORIA, GATINEAU, QC J8X 2A1
BBA	CIVIL ENGINEERING	20 CARLSON CT SUITE 100, ETOBICOKE, ON M9W 7K6
STANTEC	PLANNING, LANDSCAPE PLANS	1331 CLYDE AVE #300, OTTAWA, ON K2C 3G4
HATCH	GEOTECHNICAL, HYDROGEOLOGY	2800 SPEAKMAN DR, MISSISSAUGA, ON L5K 2R7
TULLOCH GEOMATICS INC.	SURVEYOR	900 MORRISON DR SUITE 208, OTTAWA, ON K2H 8K7

DRAWING No.	DESCRIPTION	REV	DESCRIPTION	PREPARED BY	CHECKED BY	DATE
7154023-100000-41-D20-0001	SOUTH MARCH BESS-250 MW 230KV-34.5 kV SUBSTATION	AG	FOR COMMENTS	E. AMELI	M. SHAHRAKI	2025-09-29
REFERENCE DRAWINGS		REVISIONS				

SEAL:

NO.	NAME	DATE
1	V. BRUNELLE	2026-02-06
2	B. THOMAS	2026-01-29
3	B. THOMAS	2026-01-26
4	B. THOMAS	2026-01-23
5	B. THOMAS	2025-11-07
6	B. THOMAS	2025-11-05
7	E. AMELI	2025-10-07

APPLICATION FILE NUMBER: 007-12-25-0096
 PLAN NUMBER: 19401

Evolgen
 by Brookfield Renewable

PROJECT: SOUTH MARCH 2555 AND 2625 MARCHURST RD, OTTAWA

TITLE: SITE PLAN SHEET 2

PREPARED BY: B. THOMAS	DRAFTED BY: G. NORMAND
CHECKED BY: V. BRUNELLE	APPROVED BY: V. BRUNELLE
SCALE: 1:1000	DATE: 2024-04-29

DRAWING No.: 7154023-100000-41-D20-0001

SHEET: 02	SIZE: A1	REV: AN
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