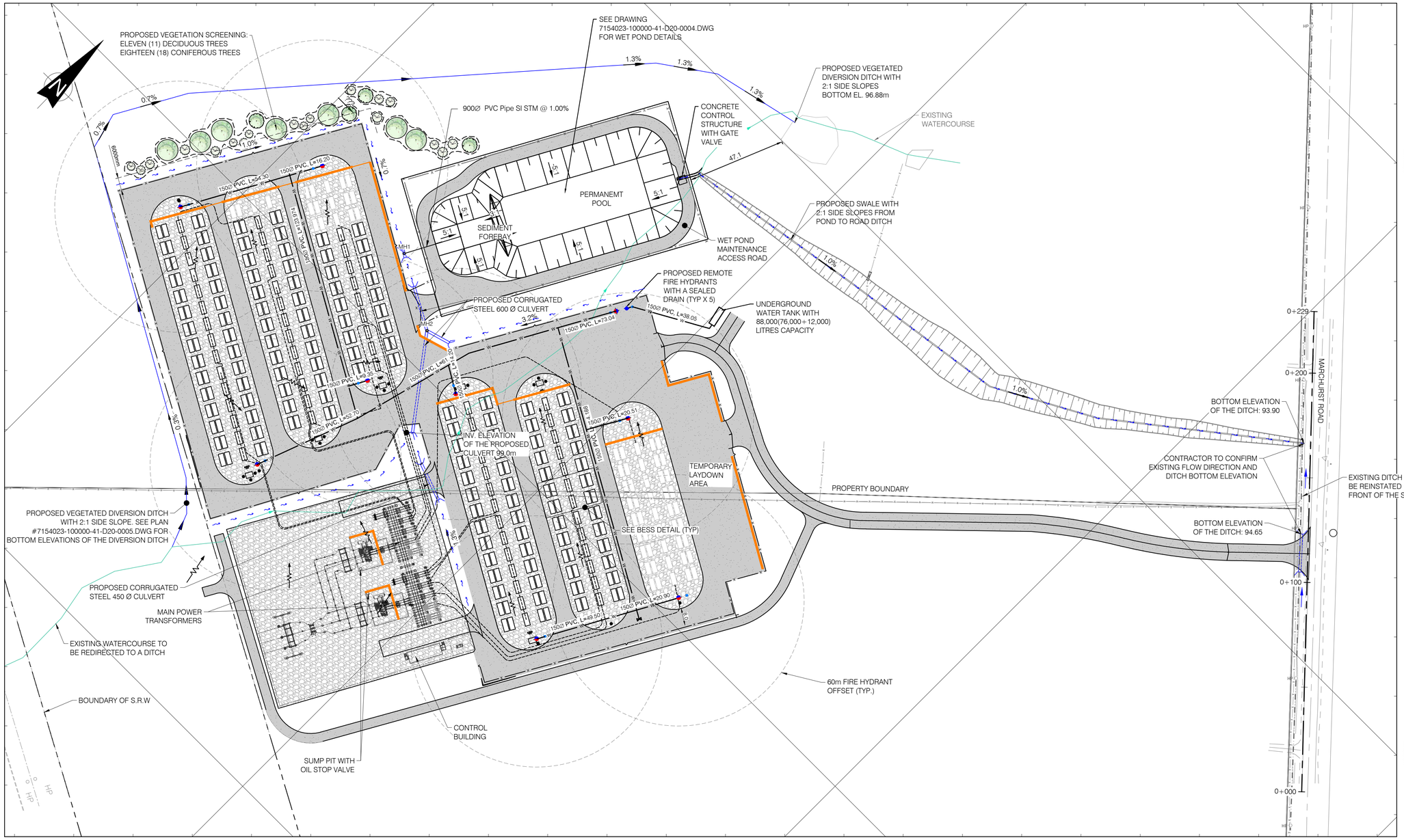
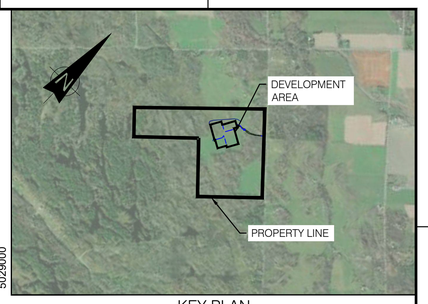


PLAN VIEW
SCALE 1:1000



KEY PLAN
SCALE: N.T.S.

NOTES:

1. PROJECT COORDINATES ARE SET IN NAD83(CSRS) / MTM ZONE 9 - EPSG:2952.
2. COORDINATES ARE IN METERS AND ELEVATIONS ARE METERS.OBSERVED REFERENCE POINTS ARE DERIVED FROM REAL TIME KINEMATIC (RTK) GNSS OBSERVATIONS USING SPECIFIED CONTROL POINTS AND ARE REFERRED TO MTM ZONE 9, (76°30' WEST LONGITUDE) NAD83 (CSRS) (2010).COORDINATES TO URBAN ACCURACY PER SEC. 14(2) OF O.REG. 216/10.
3. SITE SURVEY PROVIDED BY TULLOCK GEOMATCICS INC, ISSUED MARCH 11, 2025, SURVEY FILE #241451.
4. ALL REQUIRED PERMITS MUST BE IN PLACE BEFORE START OF CONSTRUCTION.
5. BATTERY ARRANGEMENT IS PER 7154023-300000-47-D20-0001-02.DWG.
6. INSULATION IS REQUIRED WHERE PIPE COVER IS LESS THAN 1.8m TO SPRINGLINE OF PIPE.
7. ALL STORMWATER PIPES ARE ARMTEC BOSS 2000 HDPE PIPE WITH 320 kPa STIFFNESS, UNLESS OTHERWISE NOTED.
8. GROUNDING GRID NOT SHOWN. REFER TO DRAWING 7154023-402000-47-D50-0001 FOR MORE DETAILS.
9. ALL MANHOLE COVERS TO BE CL-625 ONT LOAD RATED.
10. MINIMUM 300mm VERTICAL CLEARANCE IS REQUIRED AT STORM PIPE CROSSINGS WITH ELECTRICAL UTILITIES AND WATER PIPES.
11. CONTRACTOR TO REVIEW THE GEOTECHNICAL REPORT PROVIDED BY HATCH: "SOUTH MARCH ROAD BATTERY ENERGY STORAGE SYSTEM (BESS), PRELIMINARY GEOTECHNICAL INVESTGATION", PROJECT #H375142-0000-2A0-230-0001, REV. A, DATED FEBRUARY 28, 2025.
12. THE MIN. CAPACITY FOR THE WATER TANK IS 38,000 LITRES BASE ON CITY OF OTTAWA FIRE SERVICES DEPARTMENT ADVISE.
13. THE FIRE NETWORK IS DESIGNED TO PROVIDE AN OPERATING PRESSURE OF 60 PSi UNDER THE CONDITION OF FIRE.

LEGEND:

- GATE VALVE
- PROPOSED CATCHBASIN
- DRAFT FIRE HYDRANT
- REMOTE FIREHYDRANT
- LIGHT STANDARD
- PROPOSED MANHOLE
- CATCH BASIN MANHOLE
- HP EXISTING HYDRO POLE
- UM UNDERGROUND UTILITY MARKER
- TB TERMINAL BOX
- AN ANCHOR
- BOLLARD
- BLOW OFF VALVE
- VENT
- EXISTING BOREHOLE
- BESS
- MV TRANSFORMER
- BESS (AUGMENTATION)
- MV TRANSFORMER (AUGMENTATION)
- DISTRIBUTION PANELS
- FLOW DIRECTION
- EXISTING FENCE
- PROPOSED FENCE
- PROPOSED NOISE WALL
- STM STORM PIPE
- W WATER LINE
- EXISTING WATERCOURSE
- OFFSET LINE
- EXISTING TRANSMISSION LINE
- PROPERTY LINE
- BT BURIED TELECOMMUNICATIONS
- BE BURIED ELECTRIC
- SWALE
- PROPOSED GRAVEL SURFACE AREA
- PROPOSED INSULATING STONE SURFACE AREA
- PROPOSED DIVERSION DITCH
- PROPOSED CULVERT

MANHOLES			
MH/CB	INVERTS	NORTHING	EASTING
MH1	SE: 197.02 NE: 96.90 NW: 198.02	5028634.38	340474.64
MH2	NW: 97.40 E: 97.50 SE: 97.50	5028616.05	340508.38

SCALE 1:1000 — 20 10 0 20 40 60 80 100 m

FOR PERMITTING

DRAWING No.	DESCRIPTION
7154023-402000-47-D20-0001	SOUTH MARCH BESS-250 MW 230kV-34.5 kV SUBSTATION

REFERENCE DRAWINGS

REV	DESCRIPTION	PREPARED BY	CHECKED BY	DATE
AD	FOR PERMITTING	E. AMELI	M. SHAHRAKI	2025-07-03
AC	FOR PERMITTING	E. AMELI	M. SHAHRAKI	2025-06-19
AB	FOR COMMENTS	E. AMELI	M. SHAHRAKI	2025-06-06
AA	FOR COMMENTS	E. AMELI	M. SHAHRAKI	2025-03-03

REVISIONS

SEAL: LICENSED PROFESSIONAL ENGINEER — E. AMELI 100617996 — PROVINCE OF ONTARIO — 2025-07-04

CLIENT: Evolugen by Brookfield Renewable

PROJECT: SOUTH MARCH BESS
2555 AND 2625 MARCHURST RD, OTTAWA

TITLE: CIVIL
SITE SERVICING AND FIRE PROTECTION PLAN

PREPARED BY: E. AMELI	DRAFTED BY: J. MUGGERIDGE
CHECKED BY: E. AMELI	APPROVED BY: M. SHAHRAKI
SCALE: 1:1000	DATE: 2025-03-03

DRAWING No.:	SHEET:	SIZE:	REV.
7154023-100000-41-D20-0003	01	A1	AD

BY:JAMES, DONNA
PRINTED:2025-07-03 10:43:14 AM

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