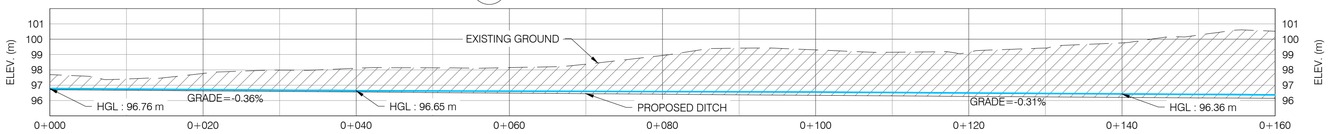
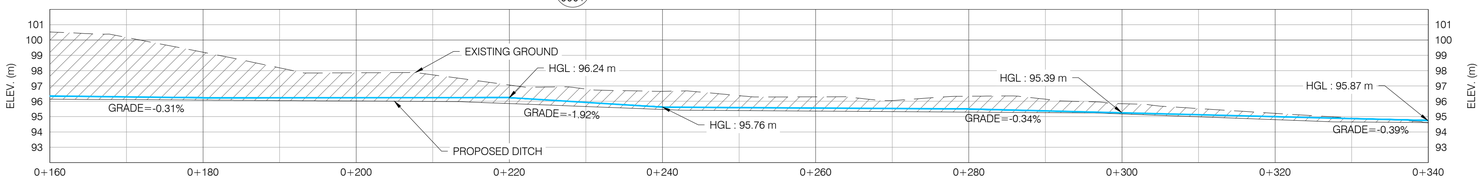
07 / 0001 PROFILE SURFACE WATER FEATURE



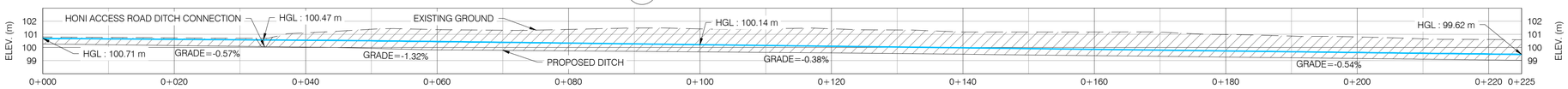
FINISHED GRADE	96.70	96.66	96.63	96.59	96.55	96.52	96.48	96.45	96.41	96.37	96.34	96.30	96.26	96.23	96.20	96.17	96.14
EXISTING GROUND	97.89	97.41	97.77	97.98	98.11	98.13	98.15	98.37	98.94	99.41	99.30	99.15	99.16	99.42	99.76	100.27	100.52

08 / 0001 PROFILE SURFACE WATER FEATURE



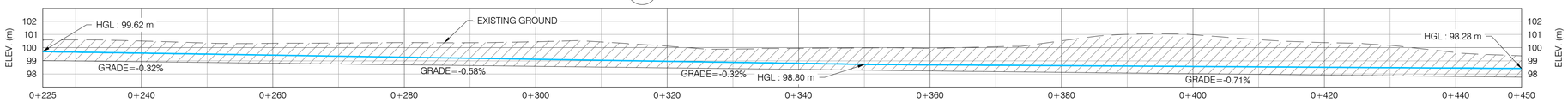
FINISHED GRADE	96.14	96.11	96.08	96.05	96.02	95.99	95.85	95.66	95.47	95.40	95.36	95.33	95.30	95.26	95.17	94.98	94.80	94.65	94.61
EXISTING GROUND	100.52	100.17	99.20	98.18	97.86	97.73	97.06	96.80	96.65	96.37	96.29	96.05	96.33	96.13	95.84	95.53	95.21	94.92	94.61

09 / 0001 PROFILE REALIGNED WATERCOURSE



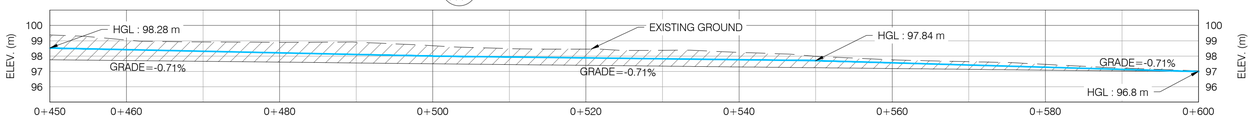
FINISHED GRADE	100.27	100.21	100.15	100.09	100.03	99.93	99.82	99.78	99.74	99.70	99.66	99.63	99.59	99.54	99.48	99.43	99.38	99.32	99.27	99.22	99.16	99.11	99.05	99.02
EXISTING GROUND	100.80	100.77	100.74	100.71	101.11	101.39	101.37	101.31	101.38	101.48	101.42	101.42	101.43	101.33	101.18	101.18	101.18	101.17	100.99	100.87	100.81	100.66	100.61	100.59

10 / 0001 PROFILE REALIGNED WATERCOURSE



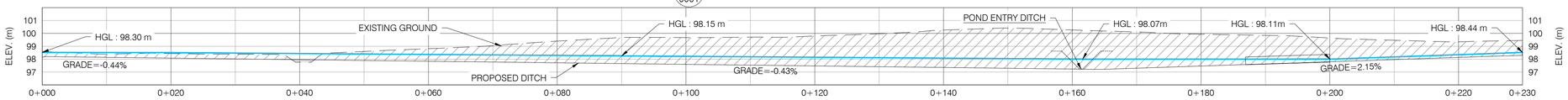
FINISHED GRADE	99.02	98.99	98.93	98.87	98.82	98.76	98.70	98.64	98.58	98.53	98.47	98.41	98.35	98.29	98.23	98.18	98.13	98.07	98.02	97.97	97.92	97.87	97.81	97.76
EXISTING GROUND	100.59	100.59	100.50	100.35	100.33	100.35	100.38	100.37	100.44	100.43	100.12	99.89	99.94	99.98	99.94	100.07	100.51	101.01	100.98	100.60	100.38	100.18	99.63	99.38

11 / 0001 PROFILE REALIGNED WATERCOURSE



FINISHED GRADE	97.76	97.71	97.66	97.61	97.55	97.50	97.45	97.40	97.34	97.29	97.24	97.19	97.14	97.08	97.03	96.98
EXISTING GROUND	99.38	99.05	98.92	98.89	98.91	98.68	98.49	98.46	98.38	98.24	97.99	97.76	97.63	97.46	97.23	97.04

12 / 0001 PROFILE NORTH DITCH



FINISHED GRADE	98.15	98.14	98.08	98.02	97.96	97.90	97.84	97.78	97.72	97.65	97.59	97.53	97.47	97.41	97.35	97.29	97.23	97.30	97.46	97.63	97.80	97.96	98.13	
EXISTING GROUND	98.60	98.39	98.43	98.38	97.77	98.60	98.81	99.04	99.40	99.68	99.67	99.71	99.80	99.97	100.26	100.41	100.27	100.11	99.94	99.85	99.64	99.47	99.34	99.45

NOTES:

1. PROJECT COORDINATES ARE SET IN, HORIZONTAL : NAD83(CSRS) / MTM ZONE 9 - EPSG:2952. VERTICAL : CGVD28
2. EXISTING GROUND BETWEEN PROPOSED BESS SITE AND DIVERSION DITCH MUST BE GRADE TO ISSUE FREE FLOW AWAY FROM PROPOSED SITE
3. TOP SOIL REMOVAL TYPICAL 100MM TO 600MM.THE SUBGRADE SHALL BE INSPECTED BY GEOTECHNICAL ENGINEER
4. THE PAVEMENT THICKNESS TO BE DEFINED FOR NATIVE SILTY CLAY/TILL AND BEDROCK SUBGRADE CONDITION AS PER HATCH GEOTECH REPORT H3745142-0000-2A0-230-0001, DATED FEB. 28, 2025.
5. THE SUBSTATION AREA GRADE SHALL BE RAISED WITH ENGINEERED FILL, TO BE APPROVED BY GEOTECHNICAL ENGINEER.
6. THE INSULATING CRUSHED ROCK, FOR SUBSTATION AREA, SHALL CONSIST OF A 150MM LAYER OF CRUSHED GRANITE WITH A RESISTIVITY OF AT LEAST 3,000 Ω-M.

LEGEND:

- PROPOSED FINISHED GROUND
- EXISTING GROUND
- WATER HGL (100 YEARS EVENT)
- PROPOSED BACKFILL
- PROPOSED EXCAVATION

SCALE 1:400 HOR. 5 0 10 20 30 40 m

SCALE 1:200 VERT. 4 2 0 4 8 12 16 20 m

FOR PERMITTING

DRAWING No.	DESCRIPTION	REV	DESCRIPTION	PREPARED BY	CHECKED BY	DATE
	ENVIRONMENTAL-STANTEC.DWG					
	XR-160402040-L-PLANTING.DWG	AD	FOR PERMITTING	B. THOMAS	V. BRUNELLE P.E.O NO. 100617887	2026-04-21
	241451-SouthMarch_BESS-MTM9-Rev0	AC	FOR PERMITTING	B. THOMAS	V. BRUNELLE P.E.O NO. 100617887	2026-01-29
	SOUTH MARCH DITCH LINE TOPO	AB	FOR PERMITTING	B. THOMAS	V. BRUNELLE P.E.O NO. 100617887	2026-01-23
7154023-402000-47-D20-0001	SOUTH MARCH BESS-250 MW 230kV-34.5 kV SUBSTATION	AA	FOR PERMITTING	B. THOMAS	V. BRUNELLE P.E.O NO. 100617887	2025-11-05

REFERENCE DRAWINGS — REVISIONS

SEAL: LICENSED PROFESSIONAL ENGINEER — V. BRUNELLE 100617887 — PROVINCE OF ONTARIO — 2026-04-23

APPLICATION FILE NUMBER : D07-12-25-0096
PLAN NUMBER : 19401

CLIENT: Evolugen by Brookfield Renewable

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

TITLE: CIVIL
ROADS AND DITCHES PROFILES
PLAN 2 OF 2

PREPARED BY: B. THOMAS	DRAFTED BY: G.NORMAND
CHECKED BY: V. BRUNELLE	APPROVED BY: V. BRUNELLE
SCALE: 1:1000	DATE: 2024-03-03

DRAWING No.:	SHEET:	SIZE:	REV.
7154023-100000-41-D52-0003	01	A1	AD

BY:NORMAND, GABRIEL
PRINTED:2026-04-23 14:37:52

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7154023-100000-41-D52-0003