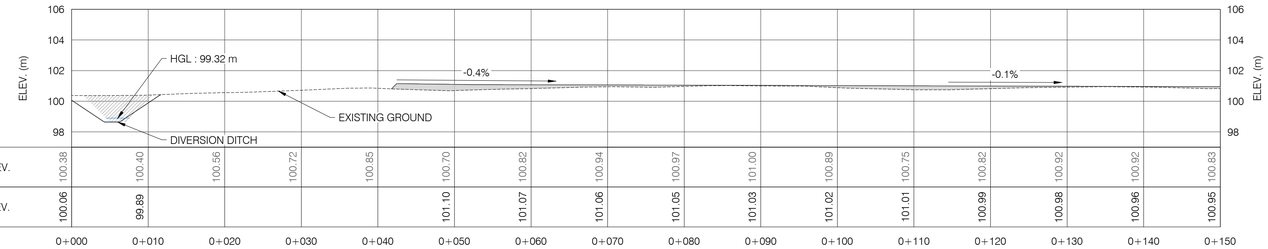
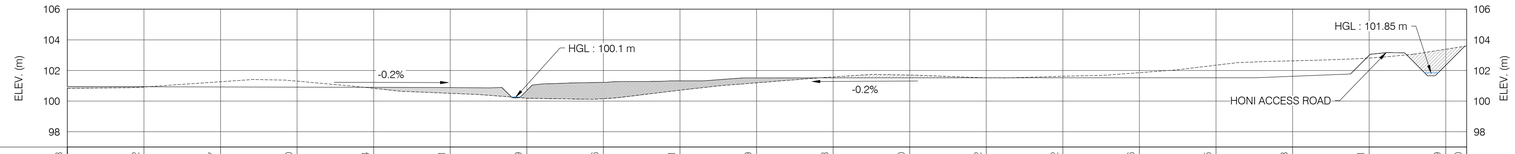


EG ELEV.	100.38	100.40	100.56	100.72	100.85	100.70	100.82	100.94	100.97	101.00	100.89	100.75	100.82	100.92	100.92	100.83
FG ELEV.	100.06	99.89				101.10	101.07	101.06	101.05	101.03	101.02	101.01	100.99	100.98	100.96	100.95

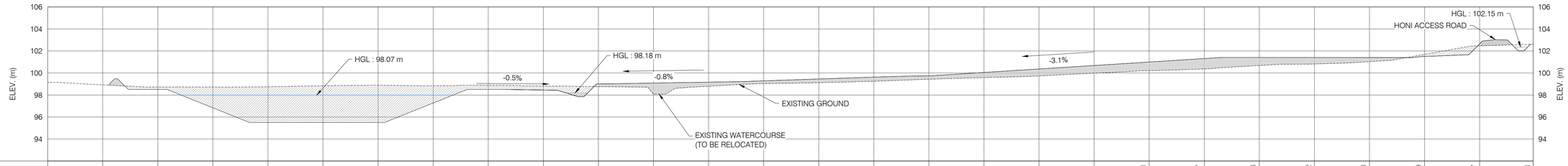
0+000 0+010 0+020 0+030 0+040 0+050 0+060 0+070 0+080 0+090 0+100 0+110 0+120 0+130 0+140 0+150



EG ELEV.	100.83	100.92	101.27	101.30	100.84	100.51	100.19	100.16	100.71	101.19	101.58	101.70	101.52	101.62	101.86	102.35	102.63	102.81	103.39	103.60
FG ELEV.	100.95	100.94	100.92	100.91	100.90	100.88	100.69	101.22	101.32	101.52	101.52	101.52	101.52	101.52	101.52	101.53	101.62	102.99	102.34	

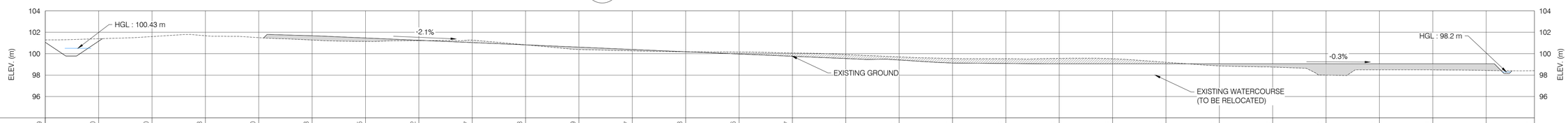
0+150 0+160 0+170 0+180 0+190 0+200 0+210 0+220 0+230 0+240 0+250 0+260 0+270 0+280 0+290 0+300 0+310 0+320 0+330 0+332.72

A D52-0001 PROFILE
SCALE: HORIZONTAL 1:400 VERTICAL 1:200



EG ELEV.	99.13	98.92	98.72	98.72	98.75	98.84	98.89	98.83	98.88	98.81	98.76	98.10	98.80	99.05	99.12	99.25	99.43	99.58	99.74	99.98	100.21	100.37	100.68	100.82	101.03	101.69	102.47	102.61
FG ELEV.										98.45	99.00	99.08	99.16	99.28	99.46	99.62	99.74	100.04	100.36	100.67	100.99	101.30	101.41	101.40	101.40	101.51	102.65	

B D52-0001 PROFILE
SCALE: HORIZONTAL 1:400 VERTICAL 1:200



EG ELEV.	101.29	101.40	101.60	101.68	101.50	101.28	101.15	101.22	101.27	100.83	100.39	100.27	100.18	100.16	100.07	99.92	99.70	99.55	99.53	99.56	99.53	99.20	98.86	98.75	98.00	98.50	98.49	98.44	98.42
FG ELEV.	101.07	101.17				101.67	101.47	101.25	101.04	100.82	100.61	100.40	100.18	99.97	99.76	99.54	99.41	99.13	99.08	99.05	99.05	99.05	99.05	99.05	99.05	99.05	99.05	99.05	

0+000 0+010 0+020 0+030 0+040 0+050 0+060 0+070 0+080 0+090 0+100 0+110 0+120 0+130 0+140 0+150 0+160 0+170 0+180 0+190 0+200 0+210 0+220 0+230 0+240 0+250 0+260 0+270 0+279.04

C D52-0001 PROFILE
SCALE: HORIZONTAL 1:400 VERTICAL 1:200

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.

FOR PERMITTING

LEGEND:

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

VERTICAL SCALE 1:200 — 4 2 0 4 8 12 16 20 m
HORIZONTAL SCALE 1:400 — 5 0 10 20 30 40 m

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	2026-01-23
	241451-SouthMarch_BESS-MTM9-Rev0	AC	FOR PERMITTING	B. THOMAS	V. BRUNELLE P.E.O.NO. 100617887	2025-11-05
	SOUTH MARCH DITCH LINE TOPO	AB	FOR PERMITTING	E. AMELI	M. SHAHRAKI	2025-06-19
7154023-402000-47-D20-0001	SOUTH MARCH BESS-250 MW 230kV-34.5 kV SUBSTATION	AA	FOR COMMENTS	E. AMELI	M. SHAHRAKI	2025-03-03

REFERENCE DRAWINGS — REVISIONS

SEAL: LICENSED PROFESSIONAL ENGINEER — V. BRUNELLE 100617887 — PROVINCE OF ONTARIO — 2026-01-26

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
SITE GRADING PROFILES

PREPARED BY: B. THOMAS	DRAFTED BY: G. NORMAND		
CHECKED BY: V. BRUNELLE	APPROVED BY: V. BRUNELLE		
SCALE: 1:400	DATE: 2024-03-03		
DRAWING No.: 7154023-100000-41-D20-0006	SHEET: 01	SIZE: A1	REV. AD

7154023-100000-41-D20-0006