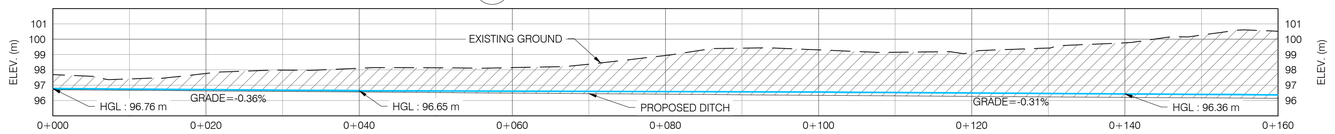
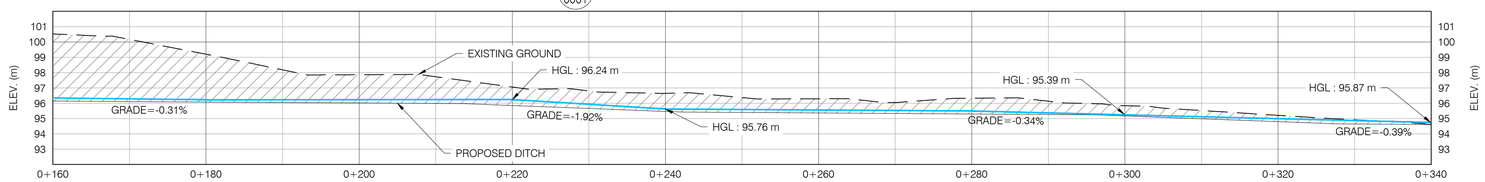
07 0001 PROFILE SURFACE WATER FEATURE



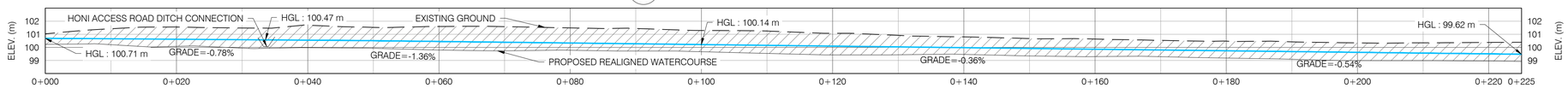
FINISHED GRADE	96.70	96.66	96.63	96.59	96.55	96.52	96.48	96.45	96.41	96.37	96.34	96.30	96.26	96.23	96.20	96.17	96.14
EXISTING GROUND	97.89	97.41	97.77	97.98	98.11	98.13	98.15	98.37	98.94	99.41	99.30	99.15	99.16	99.42	99.76	100.27	100.52

08 0001 PROFILE SURFACE WATER FEATURE



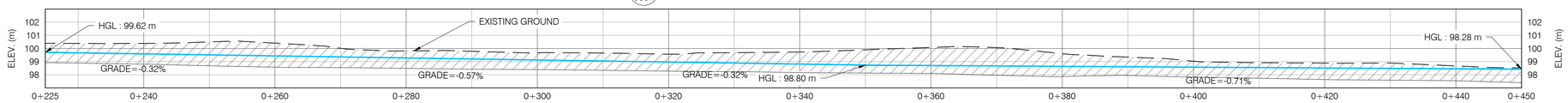
FINISHED GRADE	96.14	96.11	96.08	96.05	96.02	95.99	95.85	95.66	95.47	95.40	95.36	95.33	95.30	95.26	95.17	94.98	94.80	94.65	94.61
EXISTING GROUND	100.52	100.17	99.20	98.18	97.86	97.73	97.06	96.80	96.65	96.37	96.29	96.05	96.33	96.13	95.84	95.53	95.21	94.92	94.61

09 0001 PROFILE REALIGNED WATERCOURSE



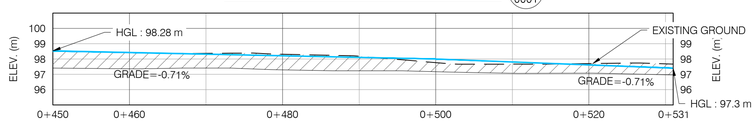
FINISHED GRADE																								
EXISTING GROUND	101.04	101.42	101.55	101.48	101.70	101.53	101.59	101.58	101.49	101.44	101.29	101.25	101.07	100.91	100.80	100.67	100.64	100.53	100.47	100.42	100.34	100.35	100.37	100.39

10 0001 PROFILE REALIGNED WATERCOURSE



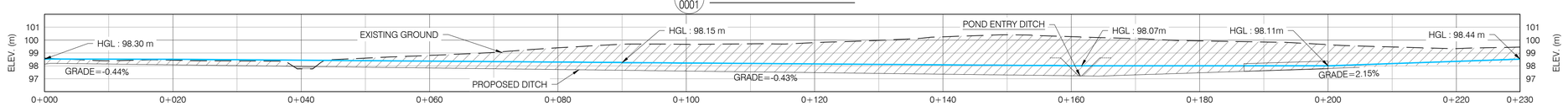
FINISHED GRADE																								
EXISTING GROUND	100.39	100.38	100.39	100.50	100.41	100.01	99.82	99.79	99.67	99.66	99.57	99.68	99.73	99.90	100.08	100.06	99.61	99.34	99.03	98.92	98.89	98.89	98.67	98.52

PROFILE REALIGNED WATERCOURSE 11 0001



FINISHED GRADE								
EXISTING GROUND	98.52	98.42	98.37	98.31	98.18	97.76	97.67	97.70	97.69	97.64

12 0001 PROFILE NORTH DITCH



FINISHED GRADE	98.13	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			
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.

ADAM BROWN
MANAGER , DEVELOPMENT REVIEW RURAL
PLANNING, DEVELOPMENT & BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By Adam Brown at 1:59 pm, Nov 23, 2026

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
REFERENCE DRAWINGS		REVISIONS				
	ENVIRONMENTAL-STANTEC.DWG	AE	FOR PERMITTING	B. THOMAS	V. BRUNELLE P.E.O NO. 100617887	2026-11-18
	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

SEAL:

LICENSED PROFESSIONAL ENGINEER
V. BRUNELLE
100617887
PROVINCE OF ONTARIO
2026-11-18

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

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

0 1 2 3 4 5 6 7 8 9 10 cm

G:\7154\023\40_ENG_ENG\41_CIVIL\DESS_DWGS\EN _COURS_IN PROGRESS\GN\7154023-100000-41-D52-0002@0003_GN.DWG

CITY FILE no.: D07-12-25-0096 PLAN no.: 19401

BY:BOURGUIGNON, EMILY
PRINTED:2026-11-18 12:00:18