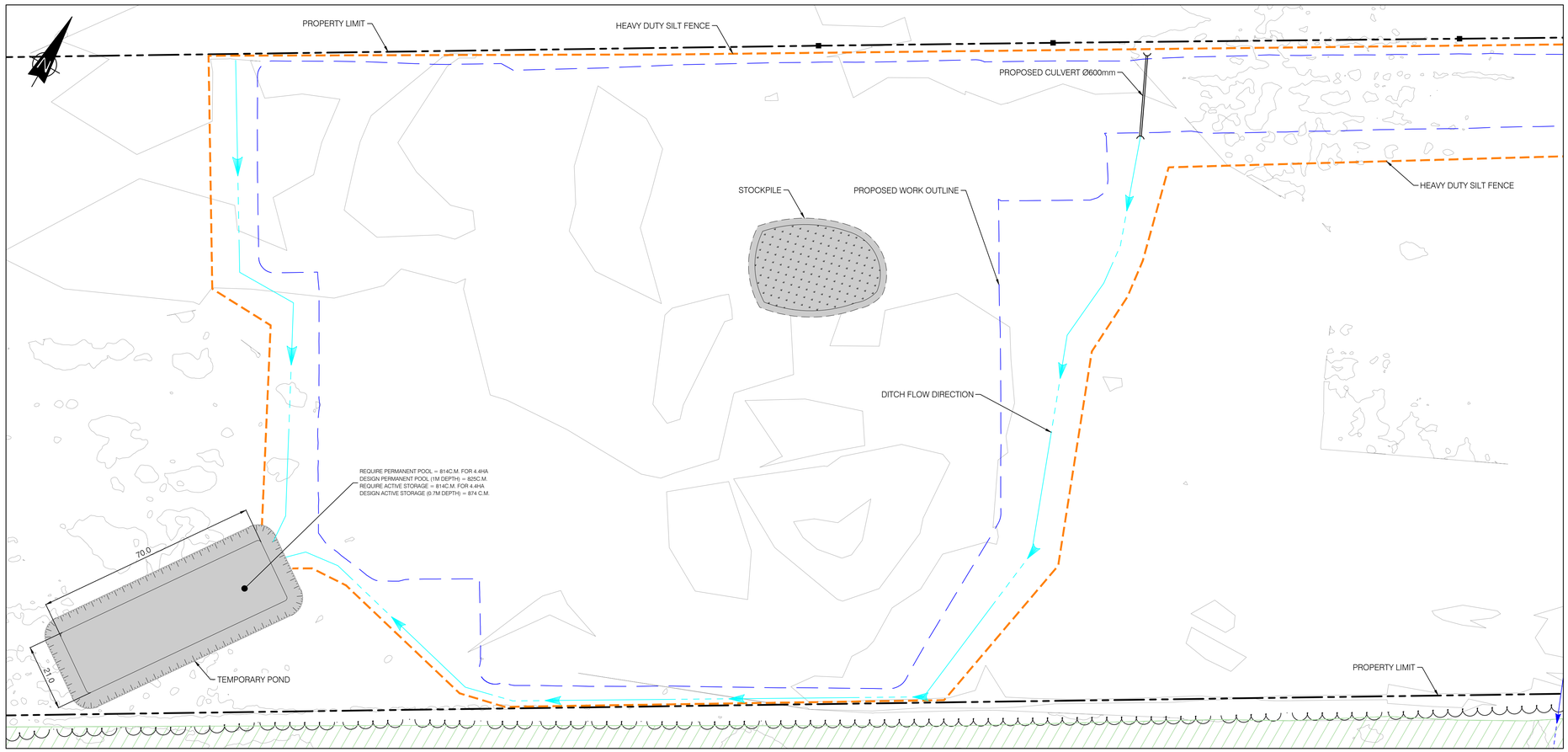
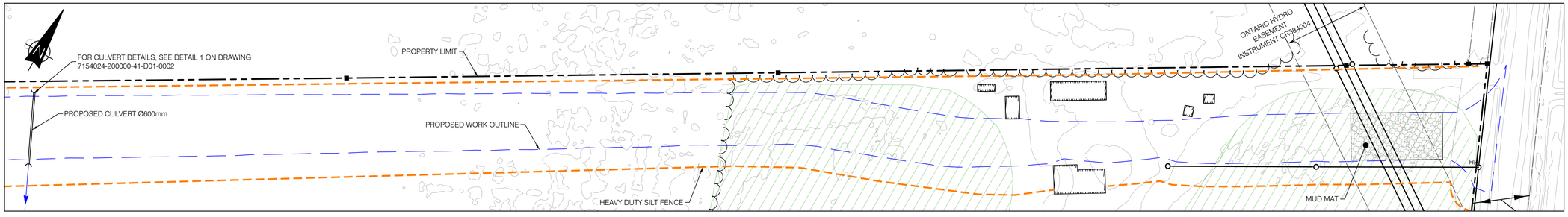


PLAN VIEW
SCALE 1:750

KEY PLAN

SEDIMENT AND EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE TO REMOVE ALL SEDIMENT, MUD, CONSTRUCTION DEBRIS, AND ANY OTHER SUBSTANCE THAT MAY ACCUMULATE IN ANY PART OF THE STORM DRAINAGE SYSTEM, EASEMENT AND RIGHT OF WAY (ROW).
2. THE CONTRACTOR MUST FOLLOW ALL DETAIL AND INSTRUCTION SET OUT IN THE "EROSION AND SEDIMENT CONTROL GUIDE FOR URBAN CONSTRUCTION" PREPARED BY RIDEAU VALLEY CONSERVATION AUTHORITY.
3. ALL MATERIALS AND EQUIPMENT USED FOR THE PURPOSE OF SITE PREPARATION AND PROJECT COMPLETION SHALL BE OPERATED AND STORED IN A MANNER THAT PREVENTS ANY DELETERIOUS SUBSTANCE (I.e. PETROLEUM PRODUCTS DEBRIS) FROM ENTERING ANY WATERCOURSES.
4. STOCKPILES MUST BE PROPERLY PLACED AND PROTECTED ONSITE SO MATERIAL WILL NOT BE ERODED TO OFFSITE AREAS, INCLUDING THE STORM DRAINAGE SYSTEM.
5. STOCKPILE IS DEEMED IN PLACE AFTER THE FIRST PLACEMENT OF SOIL.
6. STOCKPILES IN PLACE FOR LESS THAN 30 DAYS MUST HAVE, AT A MINIMUM, FUNCTIONAL SEDIMENT CONTROL PRACTICES ON THE DOWN-GRADIENT SIDE OF THE PILE THAT WILL CONTAIN SEDIMENT.
7. LONG-TERM STOCKPILES (IN PLACE MORE THAN 30 DAYS) MUST BE STABILIZED WITH AN APPROPRIATE EROSION CONTROL MEASURE (COVER).
8. STOCKPILES MUST NOT EXCEED 6.0m IN HEIGHT, WITH MAXIMUM 2:1 (H:V) SIDE SLOPING. TOPSOIL STOCKPILES MUST BE STABILIZED WITH HYDROSEED, TO THE SATISFACTION OF THE AUTHORITY.
9. PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRUBBING, EXCAVATION, FILLING OR GRADING WORKS, THE CONTRACTOR SHALL INSTALL ALL TEMPORARY SEDIMENT CONTROL MEASURE (I.E. SILT FENCING, SILT TRAPS) TO THE SATISFACTION OF THE SITE OBSERVER, WITHIN THE WORK ZONE.
10. ALL REASONABLE EFFORTS SHALL BE MADE BY CONTRACTOR TO MITIGATE DRAINAGE IMPACTS, CONFLICTS DUE TO THE PROPOSED WORKS (TEMPORARY AND PERMANENT) OR SEDIMENT RELEASE TO ANY WATERCOURSE. THE CONTRACTOR SHALL UNDERTAKE ALL WORKS IN A MANNER TO COMPLY WITH ALL APPLICABLE LEGISLATION.
11. CONTRACTOR SHALL INSPECT SEDIMENT AND EROSION CONTROL MEASURES ON A WEEKLY BASIS AND ALSO BEFORE, DURING AND IMMEDIATELY FOLLOWING HEAVY RAINFALL EVENTS AND HEAVY SNOW MELT PERIODS. SEDIMENT FENCES AND BUFFER ZONES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION AS DIRECTED BY THE ENVIRONMENTAL MONITORS AND ANY OTHER AUTHORITIES HAVING JURISDICTION.
12. WHEN SEDIMENT ACCUMULATES TO HALF THE HEIGHT OF BARRIER OR 0.3 METER, THEN SEDIMENT REMOVAL IS REQUIRED. THE SILT SHALL BE REMOVED FROM THE BARRIER OR A SECOND LINE OF BARRIER INSTALLED. IF SEDIMENT AND EROSION CONTROL MEASURES ARE NOT FUNCTIONING PROPERLY, NO FURTHER WORK IN THE AFFECT AREAS WILL OCCUR UNTIL THE SEDIMENT AND /OR EROSION PROBLEM IS ADDRESSED.
13. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE LEFT IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED, AND IS NO LONGER NECESSARY.
14. SURFACE RUNOFF WITHIN THE BOUNDARIES OF THE SITE SHALL NOT NEGATIVELY IMPACT ANY DOWNSTREAM LAND OR WATERCOURSES.
15. ANY STOCKPILED MATERIAL SHALL BE STORED AND STABILIZED WITHIN THE LIMIT OF WORK SITE/APPROVED WORK AREA AND AWAY FROM ANY WATERCOURSE. ALL MATERIALS AND EQUIPMENT USED FOR THE PURPOSE OF SITE PREPARATION AND CONSTRUCTION SHALL BE OPERATED AND STORED IN A MANNER THAT PREVENTS DELETERIOUS SUBSTANCES FROM ENTERING ANY WATERCOURSE.
16. AVOID CONSTRUCTION DURING HIGH VOLUME RAIN EVENTS (20mm IN 24 HOURS) AND SIGNIFICANT SNOW MELTS/THAWS WHERE POSSIBLE AND RESUME ONCE SOILS HAVE STABILIZED TO AVOID RISK OF EROSION, SOIL COMPACTION OR THE POTENTIAL FOR SEDIMENT RELEASE INTO NEARBY WATERCOURSES. CONSTRUCTION MUD MAT SHOULD BE INSTALLED IF THERE IS EXCESS SOIL AND SEDIMENT FORM VEHICLES LEAVING CONSTRUCTION SITE.
17. ALL DAMAGED ESC MEASURES WILL BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OR SOONER IF ENVIRONMENTAL RECEPTORS ARE AT IMMINENT AND FORESEEABLE RISK OF ADVERSE IMPACTS.
18. SETBACKS FROM PROPERTY LINE, FORESTED AREA, CULTIVATED AREA, AND RIGHT-OF-WAYS ARE PROVIDED FROM CLIENTS ENVIRONMENTAL PERMITTING TEAM.
19. THE DEVELOPER/PERSON RESPONSIBLE SHALL ENSURE THAT ALL CONSTRUCTION ACTIVITIES ARE UNDERTAKEN IN A MANNER THAT ENSURE BEST MANAGEMENT PRACTICES ARE IMPLEMENTS TO PREVENT AND CONTAIN ON-SITE, SILT LADEN RUNOFF THAT EXCEEDS 75MG/L TSS OR 65 NTU IN THE EVENT OF SIGNIFICANT RAINFALL & EXCEEDS 25 NTU UNDER NORMAL WEATHER CONDITIONS AS SPECIFIED BY THE BYLAW No. 2024-448, FROM ENTERING DOWNSTREAM DRAINAGE INFRASTRUCTURE AND AQUATIC SYSTEM.
20. COORDINATES SYSTEM IS: HORIZONTAL DATUM: MTM_NAD83 (CSRS)_ZONE 9, VERTICAL DATUM: CGVD28



ACCESS ROAD PLAN VIEW
SCALE 1:750

LEGEND

- TREE LINE
- CULTIVATED AREA
- PROPOSED WORK OUTLINE
- PROPOSED DITCH
- NATURAL RUNOFF CORRIDOR
- HEAVY DUTY SILT FENCE
- PROPERTY LINE
- EXISTING GRADE ELEVATION 91.0
- EXISIITING POLE
- MONUMENT

FOR PERMITTING
NOT TO BE USED FOR CONSTRUCTION

SCALE 1:750 — 12.5 0 25 50 75 m

REFERENCE DRAWINGS

DRAWING No.	DESCRIPTION
7154024300000-47-D20-0001-02	TRAIL BESS - 150 MW - 230 kV - 34.5 kV SUBSTATION
SURFACE LIDAR	LIDAR DTM OTTAWA-GATINEAU 2019-20 PACKAGE M
241437	TOPOGRAPHIC PLAN OF SURVEY

REVISIONS

REV	DESCRIPTION	PREPARED BY	CHECKED BY	DATE
AA	FOR PERMITTING	B. THOMAS	V. BRUNELLE P. Eng, P.E.O No. 100617887	2025-05-09
AB	FOR PERMITTING	B. THOMAS	V. BRUNELLE P. Eng, P.E.O No. 100617887	2025-07-24
AC	FOR COMMENTS	B. THOMAS	V. BRUNELLE P. Eng, P.E.O No. 100617887	2025-09-15
AD	FOR PERMITTING	B. THOMAS	V. BRUNELLE P. Eng, P.E.O No. 100617887	2025-10-28

SEAL:

LICENSED PROFESSIONAL ENGINEER
V. BRUNELLE
100617887
PROVINCE OF ONTARIO
2025-10-28

CLIENT: Evolugen by Brookfield Renewable

PROJECT: TRAIL ROAD BESS

TITLE: CIVIL
BESS SITE
EROSION AND SEDIMENT CONTROL PLAN
DURING CONSTRUCTION

DESIGNED BY:	DRAFTED BY:
B. THOMAS	A. MENESES
PREPARED BY:	CHECKED BY:
B. THOMAS	V. BRUNELLE P. Eng, P.E.O No. 100617887
SCALE: 1:750	DATE: 2025-04-24

DRAWING No.: 7154024-200000-41-D10-0001 | SHEET: 01 | SIZE: A1 | REV: AD

BY:MENESES, ANDRES
PRINTED:2025-10-27 10:41:17

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

G:\7154\024\40_ING_ENG\41_CIVIL\AM\IN PROGRESS\7154024-100000-41-D10-0001_SEDIMENT CONTROL.DWG