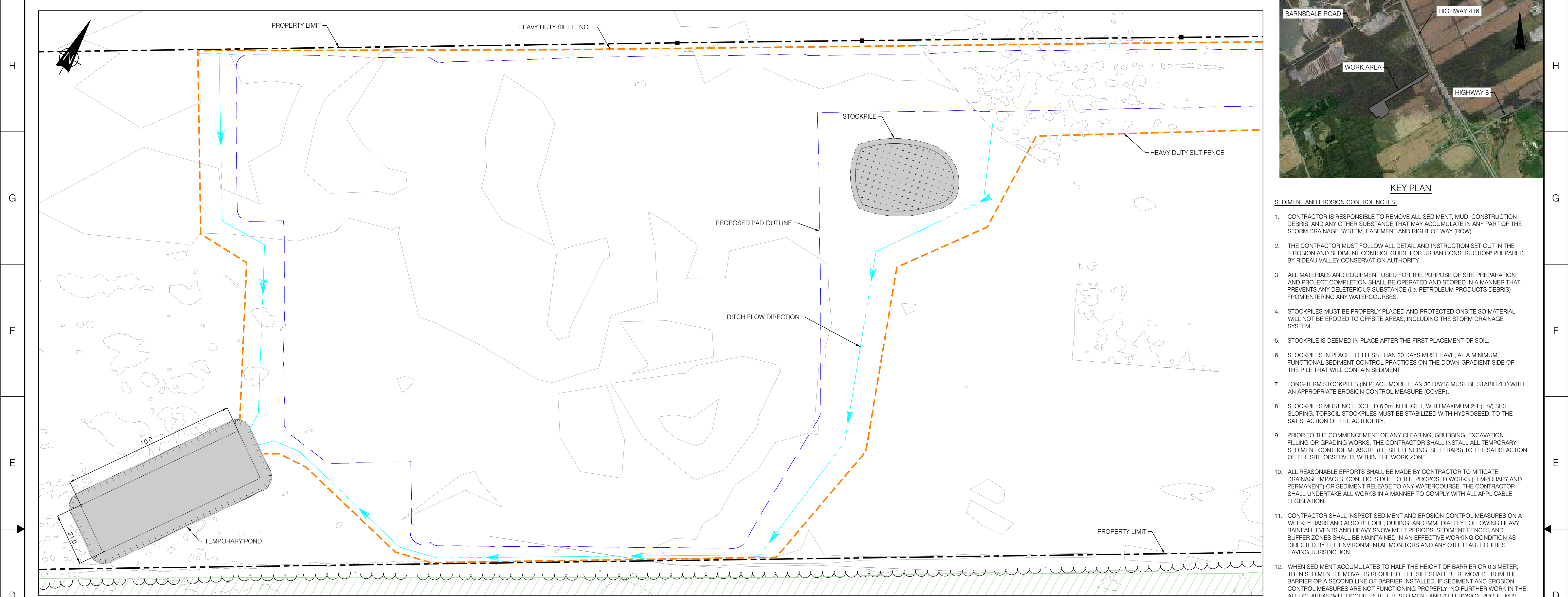


LEGEND

TREE LINE

CULTIVATED AREA

PROPOSED PAD OUTLINE

PROPOSED DITCH

HEAVY DUTY SILT FENCE

PROPERTY LINE

EXISTING GRADE ELEVATION

EXISTING POLE

MONUMENT

241437	TOPOGRAPHIC PLAN OF SURVEY					
SURFACE LIDAR	LIDAR DTM OTTAWA-GATINEAU 2019-20 PACKAGE M					
7154024300000-47-D20-0001-02	TRAIL BESS - 150 MW - 230 kV - 34.5 kV SUBSTATION	AA	FOR PERMITTING	B. THOMAS	V. BRUNELLE P. Eng. P.E.O. No. 100617887	2025-05-09
DRAWING No.	DESCRIPTION	REV	DESCRIPTION	PREPARED BY	CHECKED BY	DATE
REFERENCE DRAWINGS		REVISIONS				

SEAL:

LICENSED PROFESSIONAL ENGINEER

V. BRUNELLE
100617887

PROVINCE OF ONTARIO

2025-05-09

CLIENT:

BBB

Evolugen

by Brookfield Renewable

PROJECT:

TRAIL ROAD BESS

TITLE:

CIVIL
BESS SITE
EROSION AND SEDIMENT CONTROL PLAN
DURING CONSTRUCTION

DESIGNED BY:

B. THOMAS

DRAFTED BY:

A. MENESSE

PREPARED BY:

B. THOMAS

CHECKED BY:

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:

AA

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

12.5 0 25 50 75 m

SCALE 1:750

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 FROM 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 IMPLEMENTED TO PREVENT AND CONTAIN ON-SITE, SILT LOADED RUNOFF THAT EXCEEDS 75MGL TSS OR 65 NTU IN THE EVENT OF SIGNIFICANT RAINFALL & EXCEEDS 25 NTU UNDER NORMAL WEATHER CONDITIONS AS SPECIFIED BY THE BYLAW, FROM ENTERING DOWNSTREAM DRAINAGE INFRASTRUCTURE AND AQUATIC SYSTEM.

ONTARIO HYDRO EASEMENT INSTRUMENT C9384004

FOR PERMITTING
NOT TO BE USED FOR CONSTRUCTION

BY: MENESSE, ANDRES
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