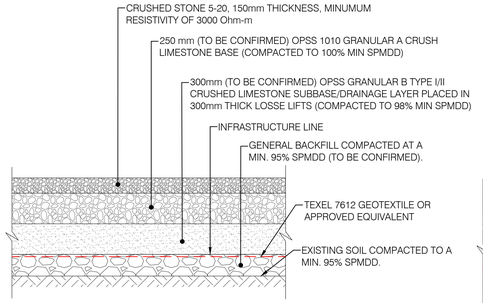
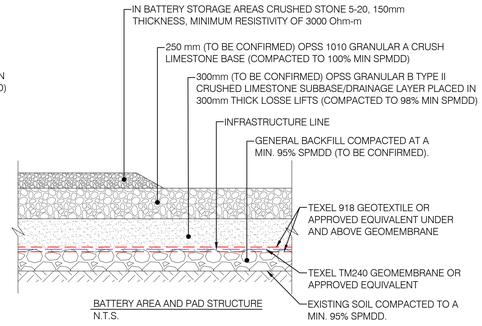
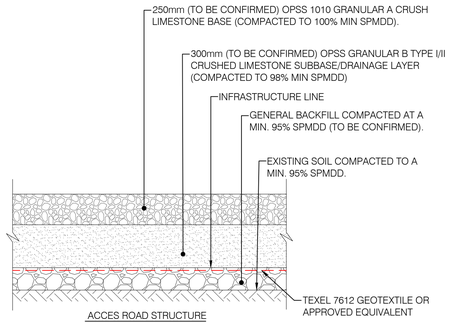


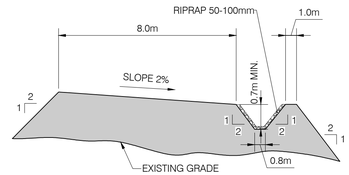

ELECTRICAL PAD STRUCTURE
N.T.S.



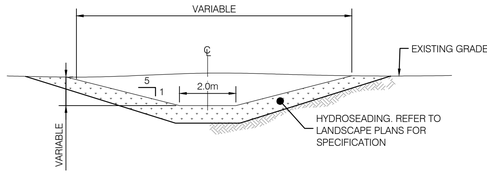

BATTERY AREA AND PAD STRUCTURE
N.T.S.




ACCES ROAD STRUCTURE
N.T.S.



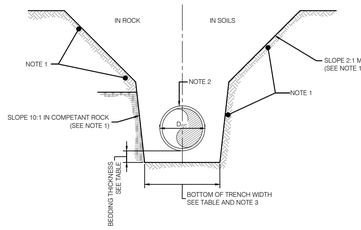

TYPICAL SECTION - ROAD DITCH
N.T.S.




TYPICAL SECTION - VEGETATED SWALE
N.T.S.

NOTES:

1. ALL MATERIAL THICKNESS SHALL BE VALIDATED FOLLOWING THE GEOTECHNICAL REPORT RECOMMENDATION(S). BASED ON THE DESIGN VEHICULE
2. DIMENSIONS ON THIS DRAWING ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE.

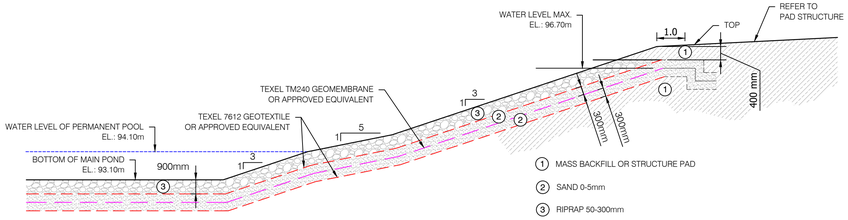



NOTES:

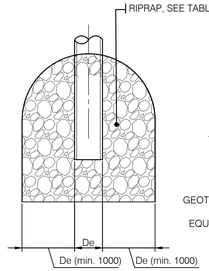
1. EXCAVATION SLOPES ARE NOT RESTRICTED TO SLOPES SHOWN ON DRAWING. THE EXCAVATION MUST MEET THE REQUIREMENTS OF THE "OCCUPATIONAL HEALTH AND SAFETY ACT", NAMELY THE REQUIREMENTS FOR MATERIAL STORAGE, CIRCULATION OF VEHICLES NEAR THE EXCAVATION AND STABILITY OF THE SLOPES.
2. THE PIPE MUST BE CENTERED AT THE BOTTOM OF THE TRENCH. Dext. IS THE OUTSIDE DIAMETER OF THE PIPE. MESURED IN MILLIMETERS.
3. BOTTOM OF TRENCH WIDTH CORRESPONDS TO THE DISTANCE BETWEEN SHORING WALLS, IF EXCAVATION IS SUPPORTED.

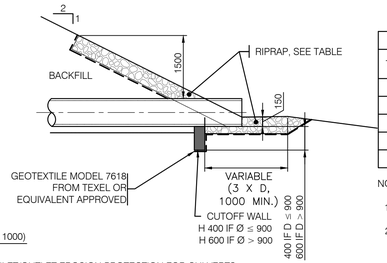
| NOMINAL DIAMETER OF THE PIPE mm | MIN. BEDDING THICKNESS (mm) | BOTTOM OF TRENCH WIDTH mm |
|---|---|---|
| 300 AND LESS | 150 | $D_{ext}$ + 900 |
| 350 to 600 | 150 | $D_{ext}$ + 900 |
| 750 to 1200 | 200 | $D_{ext}$ + 1200 |
| 1350 to 1500 | 250 | $D_{ext}$ + 1200 |
| 1800 AND MORE | 300 | A) $D_{ext}$ + 1200 TRENCH IS SHORED<br>B) $D_{ext}$ + 900 TRENCH IS NOT SHORED |

TRENCH SECTION
N.T.S.




POND BACKFILL MATERIAL
N.T.S



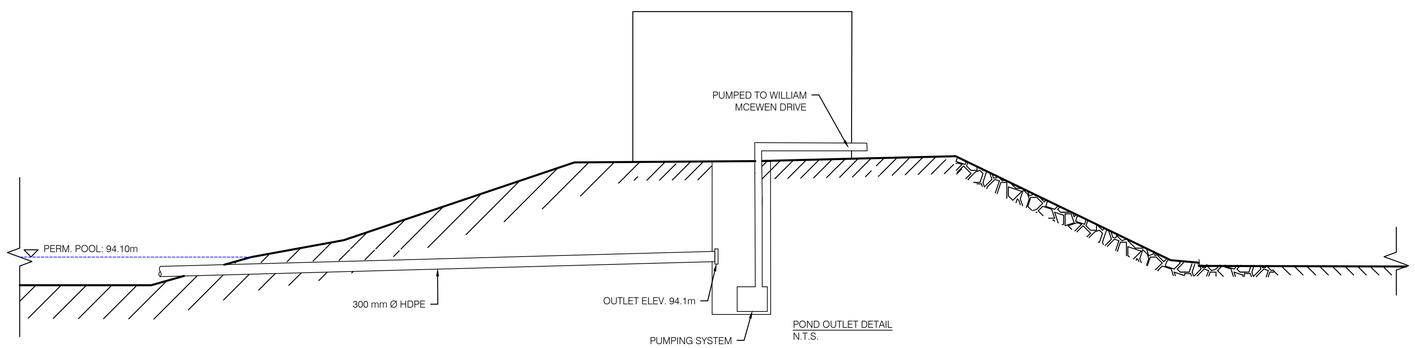




DETAIL 1: INLET/OUTLET EROSION PROTECTION FOR CULVERTS
N.T.S.

| RIPRAP | | |
|---|---|---|
| TYPE | RIPRAP THICKNESS | DIAMETER (mm) |
| 1 | 300 | 50-100 |
| 2 | 300 | 100-200 |
| 3 | 500 | 200-300 |
| 4 | 700 | 300-400 |
| 5 | 800 | 300-500 |

NOTES:

1. D = DIAMETER OF PIPE.
2. DIMENSIONS ARE IN MILLIMETERS




POND OUTLET DETAIL
N.T.S.

FOR PERMITTING
NOT TO BE USED FOR CONSTRUCTION

| | | REV | DESCRIPTION | PREPARED BY | CHECKED BY | DATE |
|---|---|---|---|---|---|---|
| | | AH | FOR PERMITTING | B. THOMAS | V. BRUNELLE P. Eng. P.E.O No. 100617887 | 2026-10-07 |
| | | AG | FOR PERMITTING | B. THOMAS | V. BRUNELLE P. Eng. P.E.O No. 100617887 | 2026-01-21 |
| | | AF | FOR PERMITTING | B. THOMAS | V. BRUNELLE P. Eng. P.E.O No. 100617887 | 2025-10-28 |
| | | AE | FOR COMMENTS | B. THOMAS | V. BRUNELLE P. Eng. P.E.O No. 100617887 | 2025-10-22 |
| | | AD | FOR COMMENTS | B. THOMAS | V. BRUNELLE P. Eng. P.E.O No. 100617887 | 2025-09-15 |
| 241437 | TOPOGRAPHIC PLAN OF SURVEY | AC | FOR PERMITTING | B. THOMAS | V. BRUNELLE P. Eng. P.E.O No. 100617887 | 2025-07-24 |
| SURFACE LIDAR | LIDAR DTM OTTAWA-GATINEAU 2019-20 PACKAGE M | AB | FOR PERMITTING | B. THOMAS | V. BRUNELLE P. Eng. P.E.O No. 100617887 | 2025-05-09 |
| 7154024300000-47-D20-0001-02 | TRAIL BESS - 150 MW - 230 kV - 34.5 kV SUBSTATION | AA | FOR COMMENTS | B. THOMAS | V. BRUNELLE P. Eng. P.E.O No. 100617887 | 2025-05-02 |
| DRAWING No. | DESCRIPTION | | | | | |
| REFERENCE DRAWINGS | | REVISIONS | | | | |

SEAL:

LICENSED PROFESSIONAL ENGINEER
V. BRUNELLE
100617887
PROVINCE OF ONTARIO
2026-10-07

CLIENT: Evolugen by Brookfield Renewable

PROJECT: TRAIL ROAD BESS

TITLE: CIVIL
BESS SITE
TYPICAL DETAILS

| DESIGNED BY: | DRAFTED BY: |
|---|---|
| B. THOMAS | A. MENESES |
| PREPARED BY: | CHECKED BY: |
| B. THOMAS | V. BRUNELLE P. Eng. P.E.O No. 100617887 |
| SCALE: | DATE: |
| N.T.S | 2025-04-24 |

DRAWING No.: 7154024-200000-41-D01-0002 | SHEET: 01 | SIZE: A1 | REV: AH

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

G:\7154\024\40_ING_ENG\41_CIVIL\AM\IN PROGRESS\7154024-200000-41-D01-0002_DETAILS.DWG

BY:RAMIREZ, DIEGO
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