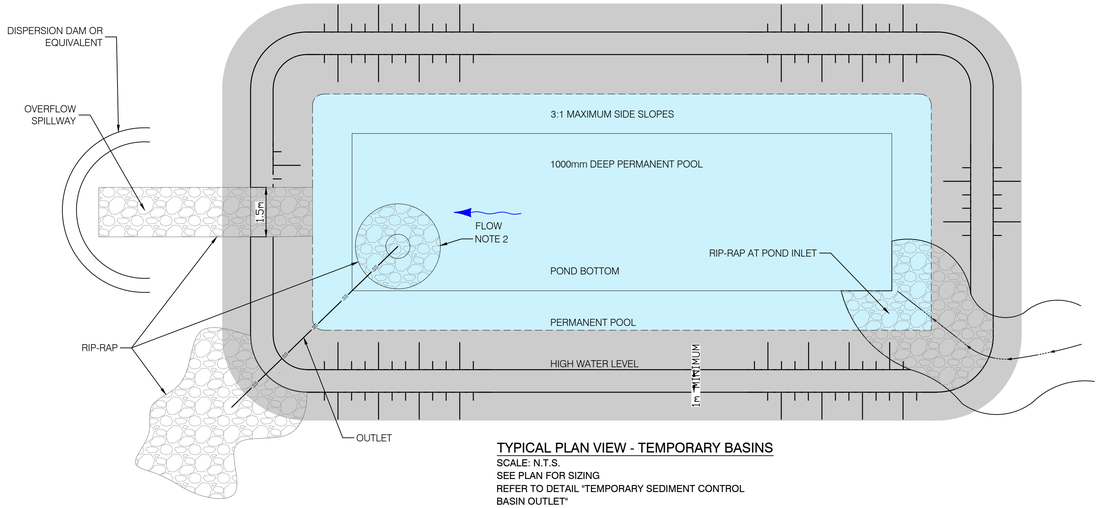
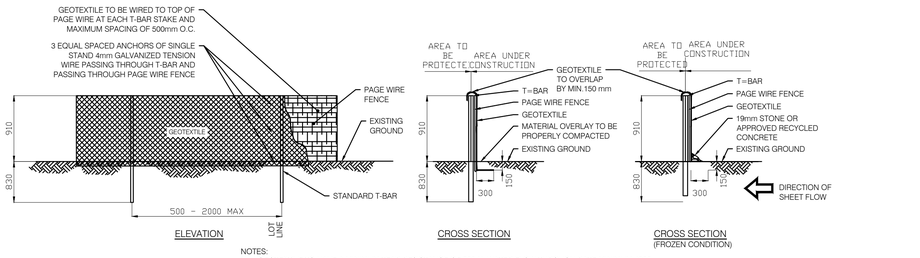


TYPICAL PLAN VIEW - TEMPORARY BASINS

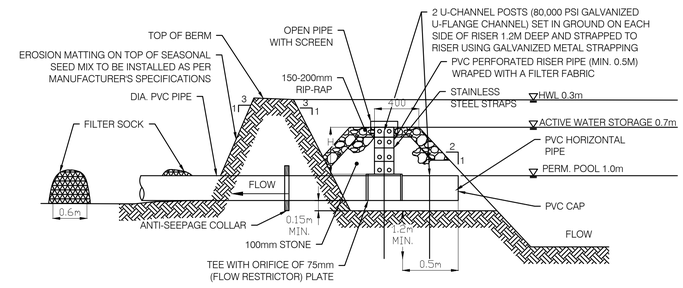
SCALE: N.T.S.
SEE PLAN FOR SIZING
REFER TO DETAIL "TEMPORARY SEDIMENT CONTROL BASIN OUTLET"



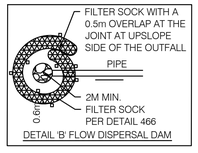
NOTES:
1. GEOTEXTILE TO HAVE A MINIMUM TEAR RESISTANCE OF 200 N. WATER FLOW THROUGH RATE MINIMUM 4000 L/MIN/M² AND UV STABILITY MIN 70% AT 500H.
2. GEOTEXTILE TO HAVE A HORIZONTAL OVERLAP OF 1000mm AT JOINTS.
3. PAGE WIRE FENCE OR APPROVED EQUIVALENT AS BACKING FOR GEOTEXTILE FILTER FABRIC.
4. GEOTEXTILE TO BE FASTENED TO T-BAR AND PAGE WIRE FENCE VIA METAL ZIP-TIES, 4mm GALVANIZED TENSION WIRE, OR EQUIVALENT.
5. MIN. 1.5m OFFSET FOR DOUBLE ROW SEDIMENT CONTROL FENCE.

TEMPORARY SINGLE AND DOUBLE ROW SEDIMENT CONTROL FENCE

SCALE: N.T.S.



ELEVATION

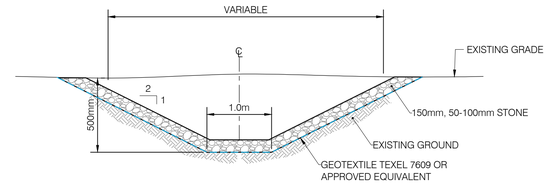


DETAIL 'B' FLOW DISPERSAL DAM

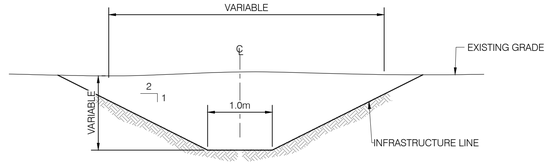
NOTES:
1. POND SIDE SLOPES TO BE STABILIZED IMMEDIATELY;
2. MINIMUM 48 HOUR DRAWDOWN TIME WITH MINIMUM 75mm DIAMETER ORIFICE;
3. ACTIVE STORAGE VOLUME: DESIGNED WITH MINIMUM OF 125m³/ HECTARE CONTRIBUTING DRAINAGE AREA (MINIMUM 75mm ORIFICE) AND MINIMUM 4:1 L:W POND RATIO.
4. PERMANENT POOL VOLUME: DESIGNED WITH MINIMUM 125m³/HECTARE DRAINAGE AREA.

TEMPORARY SEDIMENT CONTROL BASIN OUTLET

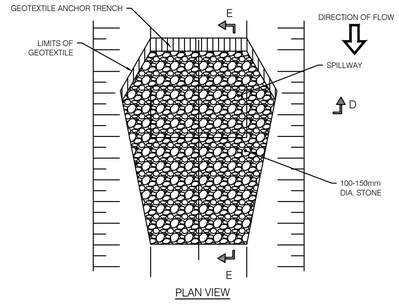
SCALE: N.T.S.



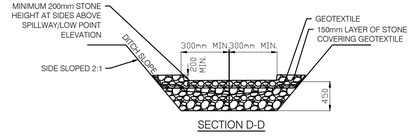
TYPICAL SECTION - DIVERSION DITCH
N.S.



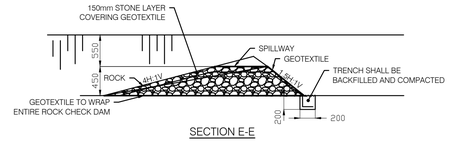
TYPICAL SECTION - DITCH
N.S.



PLAN VIEW



SECTION D-D

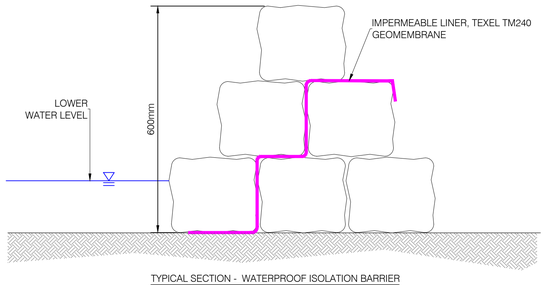


SECTION E-E

TEMPORARY ROCK CHECK DAM FLAT BOTTOM DITCH

SCALE: N.T.S.

NOTES:
1. ALL STONE AND GEOTEXTILE TO BE REMOVED WHEN SWALE BACKFILLED.
2. COLLECTED SEDIMENT MUST BE REMOVED AND SWALE REBUILT WITH CLEANED STONE AND NEW GEOTEXTILE ONCE SEDIMENT REACHES HALFWAY TO THE LOW POINT OF THE SPILLWAY.
3. TEMPORARY CHECK DAM TO BE PLACED EVERY 50m



TYPICAL SECTION - WATERPROOF ISOLATION BARRIER

FOR PERMITTING
NOT TO BE USED FOR CONSTRUCTION

NOTE:
1. ALL RIP-RAP IN TEMPORARY WORKS MUST BE INSTALLED OVER A GEOTEXTILE TEXEL 7618 OR APPROVED EQUIVALENT

DRAWING No.	DESCRIPTION	REV	DESCRIPTION	PREPARED BY	CHECKED BY	DATE
		AC	FOR PERMITTING	B. THOMAS	V. BRUNELLE P. Eng, P.E.O No. 100617887	2026-03-26
		AB	FOR PERMITTING	B. THOMAS	V. BRUNELLE P. Eng, P.E.O No. 100617887	2025-10-28
		AA	FOR PERMITTING	B. THOMAS	V. BRUNELLE P. Eng, P.E.O No. 100617887	2025-07-24

REFERENCE DRAWINGS | REVISIONS

SEAL: LICENSED PROFESSIONAL ENGINEER — V. BRUNELLE 100617887 — PROVINCE OF ONTARIO — 2026-03-30

CLIENT: Evolugen by Brookfield Renewable

PROJECT: TRAIL ROAD BESS

TITLE: CIVIL
BESS SITE
EROSION AND SEDIMENT CONTROL DETAILS 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: N.T.S	DATE: 2025-07-02

DRAWING No.: 7154024-200000-41-D10-0002 | SHEET: 01 | SIZE: A1 | REV. AC

BY:MENESES, ANDRÉS
PRINTED:2026-03-26 09:47:27

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

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