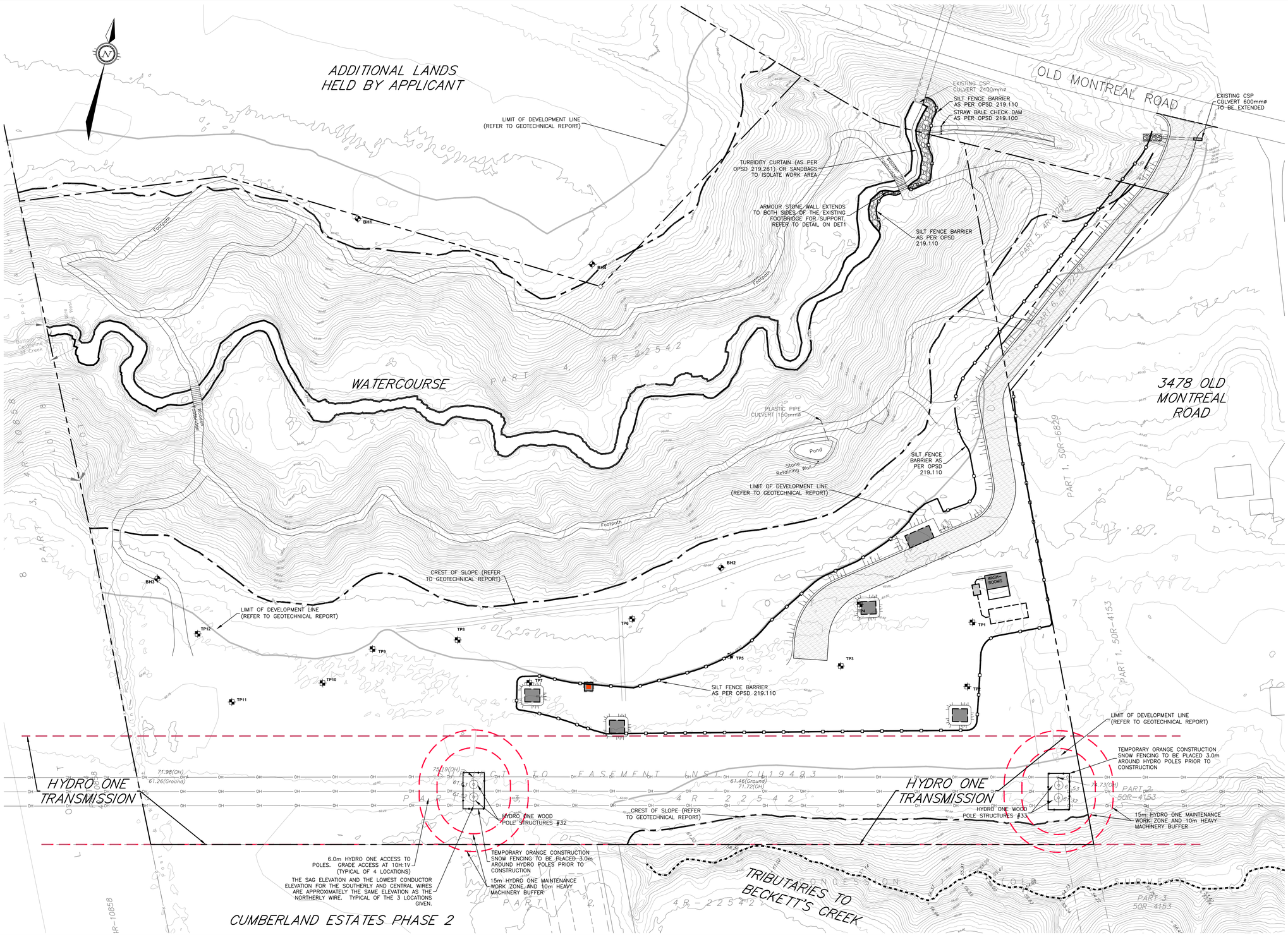

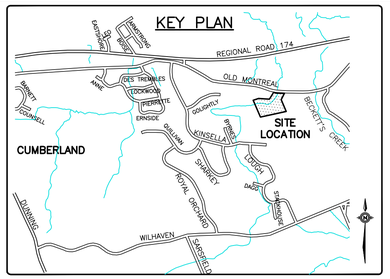

LEGEND

- PROPERTY LINE
- EXISTING OVERHEAD HYDRO & POLE
- EXISTING HYDRO EASEMENT
- EXISTING CHAINLINK FENCE
- PROPOSED TERRACING (SLOPE 3:1 MAX.)
- PROPOSED SWALE
- PROPOSED CULVERT
- WELL 2 — WELL LOCATION
- TP4 — TESTPIT LOCATION
- BH2 — BOREHOLE OCATION
- 69.50 — EXISTING CONTOUR
- PROPOSED LIMIT OF DEVELOPMENT
- CREST OF SLOPE
- SILT FENCE BARRIER AS PER OPSD 219.110
- STRAW BALE CHECK DAM AS PER OPSD 219.100

EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION

DURING ALL CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

1. LIMITING THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. RE–VEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
3. MINIMIZATION OF AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
4. SILT FENCING TO BE INSTALLED AS PER OPSD 219.110. STRAW BALE CHECK DAM AS PER OPSD 219.180 TO THE LOCATIONS SHOWN ON THIS DRAWING.
5. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE WILL BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION OPERATIONS.
6. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
7. THE SEDIMENT CONTROL DEVICES WILL BE CLEANED OF ACCUMULATED SILT AS REQUIRED.
8. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITIONAL SEDIMENT CONTROL MEASURES AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
9. CONSTRUCTION AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATION OPSS 805, AND CITY OF OTTAWA SPECIAL PROVISIONS SPECIFICATIONS F–1005. SEDIMENT CONTROL MEASURES SHALL BE LEFT IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED.
10. NO PERSON SHALL CARRY ON ANY WORK OR UNDERTAKINGS THAT RESULT IN THE HARMFUL ALTERATION OR DESTRUCTION OF FISH HABITAT.
11. NO IN WATER WORKS DURING THE PERIOD OF MARCH 15 TO JULY 1 IN ANY GIVEN YEAR.
12. WORK SHOULD BE CARRIED OUT DURING LOW WATER CONDITIONS AS MUCH AS POSSIBLE.
13. MACHINERY IS TO ARRIVE ON SITE IN A CLEAN CONDITION AND IS TO BE MAINTAINED FREE OF FLUID LEAKS. ANY PART OF EQUIPMENT ENTERING THE WATER SHALL BE FREE OF FLUID LEAKS AND EXTERNALLY CLEANED/DEGREASED TO PREVENT DELETERIOUS SUBSTANCES FROM ENTERING THE WATER.
14. WASH, REFUEL AND SERVICE MACHINERY AND STORE FUEL AND OTHER MATERIALS FOR THE MACHINERY AWAY FROM THE WATER TO PREVENT DELETERIOUS SUBSTANCES FROM ENTERING THE WATER.
15. KEEP AN EMERGENCY SPILL KIT ON SITE IN CASE OF FLUID LEAK OR SPILLS FROM MACHINERY.
16. OPERATE MACHINERY ON THE LAND ABOVE THE HIGH WATER MARK IN A MANNER THAT MINIMIZES DISTURBANCE TO THE BANKS AND BED OF THE WATERBODY.
17. WORK IN WATER SHOULD NOT BE CONDUCTED AT TIMES WHEN FLOWS ARE ELEVATED DUE TO LOCAL RAIN EVENTS, STORMS OR SEASONAL FLOODS.
18. ANY STOCKPILED MATERIAL SHALL BE STORED AND STABILIZED AWAY FROM THE WATER.
19. NOTICE OF COMMENCEMENT AND COMPLETION OF THE PROJECT SHALL BE PROVIDED TO THE RIDEAU VALLEY CONSERVATION AUTHORITY.
20. THE CONTRACTOR SHALL ENSURE THAT ALL WORKERS ARE AWARE OF THE IMPORTANCE OF THE EROSION CONTROL MEASURES.
21. PERMITS FROM THE MINISTRY OF NATURAL RESOURCES (MNR) SHALL BE OBTAINED REGARDING ANY FISH–OUT THAT MAY BE REQUIRED IN CONJUNCTION WITH THE ISOLATION OF THE WATERCOURSE.

NOTES

- CONTRACTOR TO NOTIFY CONSERVATION AUTHORITY OF WORK SCHEDULE TO WORK WITHIN WATERCOURSE (SEE NOTE 19).
- CONTRACTOR IS REQUIRED TO CONTACT ENGINEER FOR FIELD REVIEW.
- THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE.

NO.	REVISION DESCRIPTION	DATE	BY	APPD
8	ISSUED FOR PHASE 1A SUBMISSION	17/08/22	SAB	BMT
7	REVISED PER CITY COMMENTS	26/04/22	JH	BMT
6	ISSUED FOR SITE PLAN AMENDMENT	03/12/21	AJ	BMT
5	HYDRO ONE COMMENTS	15/03/18	SAB	BMT
4	CITY STAMP ADDED	13/12/17	SAB	BMT
3	REVISED SEPTIC BED	25/07/17	SAB	BMT
2	REVISED AS PER CITY COMMENTS	25/01/17	SAB	BMT
1	ISSUED FOR SITE PLAN APPROVAL	06/06/16	SAB	BMT

SCALE: HORIZ 1:500

DESIGNED BY

REVIEWED BY: LICENSED PROFESSIONAL ENGINEER B. M. THOMAS 2022-08-17 PROVINCE OF ONTARIO

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BASEPLAN: exp. | DESIGN: J. FITPZATRICK | CHECKED: B. THOMAS | CAD: S.BUTLER | PROJ. MAN: B. THOMAS | APPROVED: J. FITZPATRICK

PROJECT: HUMANICS SANCTUARY 3400/3468 OLD MONTREAL ROAD ORLEANS, ONTARIO.

TITLE: EROSION AND SEDIMENT CONTROL PLAN PHASE 1A

PROJ. NO.: OTT–00229886–A0 | SURVEY: exp. | DATE: FEB 09, 2016 | DRAWING NO.: ESC–1A

D07-12-16-0081

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