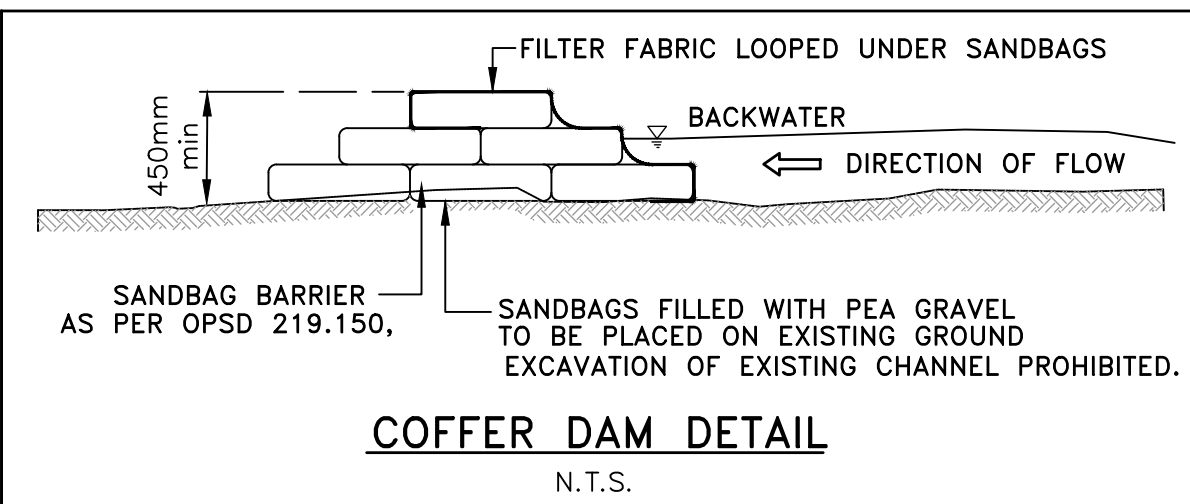


ESC PHASE 1 NOTES:

- 1. INSTALL DOUBLE ROW HEAVY DUTY SEDIMENT CONTROL FENCE WITH STRAW BALES IN BETWEEN AROUND SITE WORK AREA AND THE PROPERTY LINE.
- (1.a) THE TORONTO REGION CONSERVATION AUTHORITY, THE DEPARTMENT OF FISHERIES AND OCEANS, THE CITY OF MARKHAM, AND OTHER INTERESTED PUBLIC AGENCIES, WILL BE NOTIFIED OF SCHEDULED SITE MEETINGS. THE PROJECT TEAM WILL MAKE ITSELF AVAILABLE TO MEET ON SITE WITH THESE AGENCIES TO REVIEW CONSTRUCTION PROGRESS THROUGHOUT THE PROJECT.
- (1.b) DETAILED PHOTOGRAPHIC RECORDS WILL BE KEPT THROUGHOUT THE CONSTRUCTION PROCESS.
- 2. INSTALL CONSTRUCTION MUD-MAT AND ESTABLISH ACCESS DRIVEWAY
- 3. INSTALL COFFER DAM WITH PUMP OR FLUME AND TIED-INTO THE SEDIMENT CONTROL FENCE IN THE EXISTING DITCH CHANNEL UPSTREAM OF THE CONFLUENCE WITH EXISTING ROBINSON CREEK.
- 4. INSTALL COFFER DAM WITH PUMP OR FLUME AND TIED-INTO THE SEDIMENT CONTROL FENCE UPSTREAM OF THE PROPOSED CHANNEL RE-ALIGNMENT
- 5. INSTALL TEMPORARY DEWATERING PUMPING SYSTEMS AT COFFER DAM LOCATIONS. INSTALL A FISH SCREEN AT THE PUMP INLET & FILTER BAG AT THE OUTLET FOR EROSION PROTECTION.
- (1.a) DURING THE DEWATERING PROCESS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND MONITOR DEWATERING SYSTEM
- (1.b) PUMPING RATE NOT TO EXCEED 25mm RAINFALL.
- (1.c) THE REQUIRED TIMING FOR THESE WORKS IS BETWEEN JULY 1 AND SEPTEMBER 15, A PERIOD OF TYPICAL LOW FLOW WITHIN ROBINSON CREEK. IN THIS REGARD, THE PROJECT TEAM WILL WAIT FOR AN APPROPRIATE WINDOW OF VERY LOW FLOW, WITH NO RAIN IN THE 24-HOUR FORECAST. ON-SITE SUPERVISION IS TO BE PROVIDED BY MASONGSONG ASSOCIATES AND PALMER.
- (1.d) DEWATERING STAGING AND TIMING TO BE CONFIRMED WITH MASONGSONG ASSOCIATES AND PALMER



EROSION AND SEDIMENTATION CONTROL GENERAL NOTES

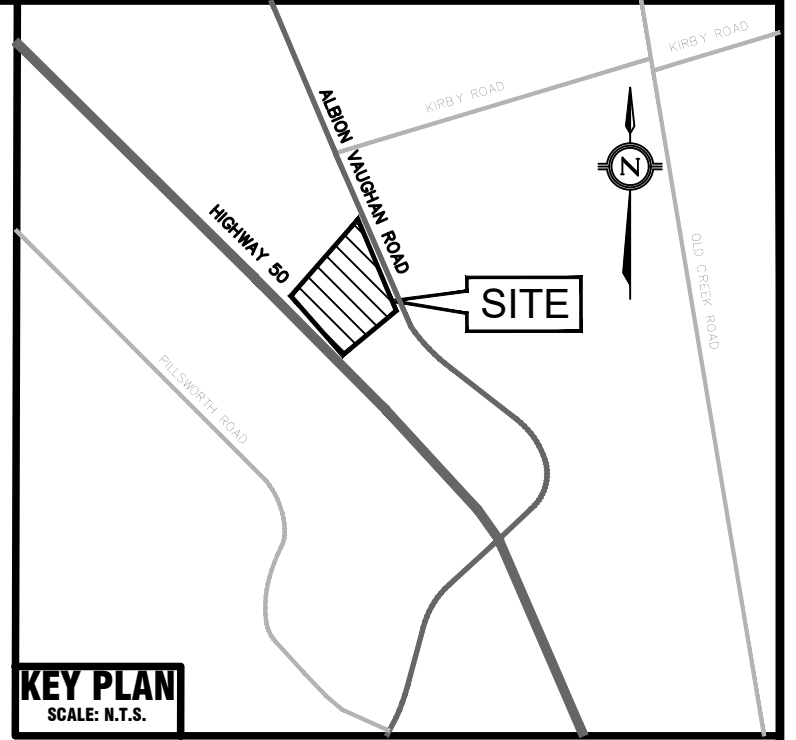
- PRIOR TO CONSTRUCTION OR STRIPPING TOPSOIL, THE CONTRACTOR SHALL MAKE PROVISIONS TO PROVIDE "GOOD HOUSINGKEEPING" MEASURES TO MITIGATE THE TRANSPORTATION OF SILT FROM THE SITE. THESE MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
1. PROVIDE SILT FENCES AROUND THE PERIMETER OF THE SITE TO REDUCE SILT FROM LEAVING THE SITE.
 2. PROVIDE SILT TRAPS AT CATCHBASINS UPON THEIR INSTALLATION TO REDUCE THE AMOUNT OF SILT ENTERING THE SEWER SYSTEM DURING CONSTRUCTION.
 3. USE OF A "MUD MAT" OR TEMPORARY TRACKING CONTROL AT THE ENTRANCE OF THE SITE TO MINIMIZE MUD TRACKING FROM THE SITE. (OWNER SHALL CLEAN ADJACENT ROADS ON A REGULAR BASIS).
 4. CONSTRUCT BULKHEADS IN THE DOWNSTREAM MANHOLE TO REDUCE SILT ENTERING THE STORM SEWER.
 5. STABILIZE SITE AS SOON AS POSSIBLE BY RE-ESTABLISHING VEGETATIVE GROUND COVER AND AVOIDING BARE SOIL AREAS. ALL AREAS (INCLUDING STOCKPILES) WHERE SITE IMPROVEMENTS ARE NOT EXPECTED TO OCCUR IMMEDIATELY SHALL BE REVEGETATED WITH 100mm OF TOPSOIL AND HYDROSEEDING IN ACCORDANCE WITH O.P.S.D. 570 & 572
 6. ALL DRAINAGE WORKS REQUIRE EROSION/SEDIMENT CONTROL SATISFACTORY TO THE APPROVAL AGENCIES DURING THE CONSTRUCTION PERIOD AND MUST BE MONITORED AND MAINTAINED ON A REGULAR BASIS TO ENSURE MAXIMUM BENEFIT AND MINIMUM SILT MIGRATION OFF-SITE.
 7. ALL CONSTRUCTION VEHICLES TO ENTER AND LEAVE THE SITE AT APPROVED LOCATION ONLY AS INDICATED ON THIS PLAN.
 8. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AND SHALL BE INSTALLED AS DETERMINED BY THE CONSULTANT.
 9. ALL DISTURBED OR NEWLY SEEDED AREAS TO BE COVERED BY EROSION CONTROL BLANKET (ECB) TO PROVIDE STABILIZATION UNTIL VEGETATION IS ESTABLISHED. (ECB SHALL BE 100% COCONUT FIBRE COIR MAT, FULLY BIODEGRADABLE)

OTHER EROSION AND SEDIMENT CONTROL NOTES:

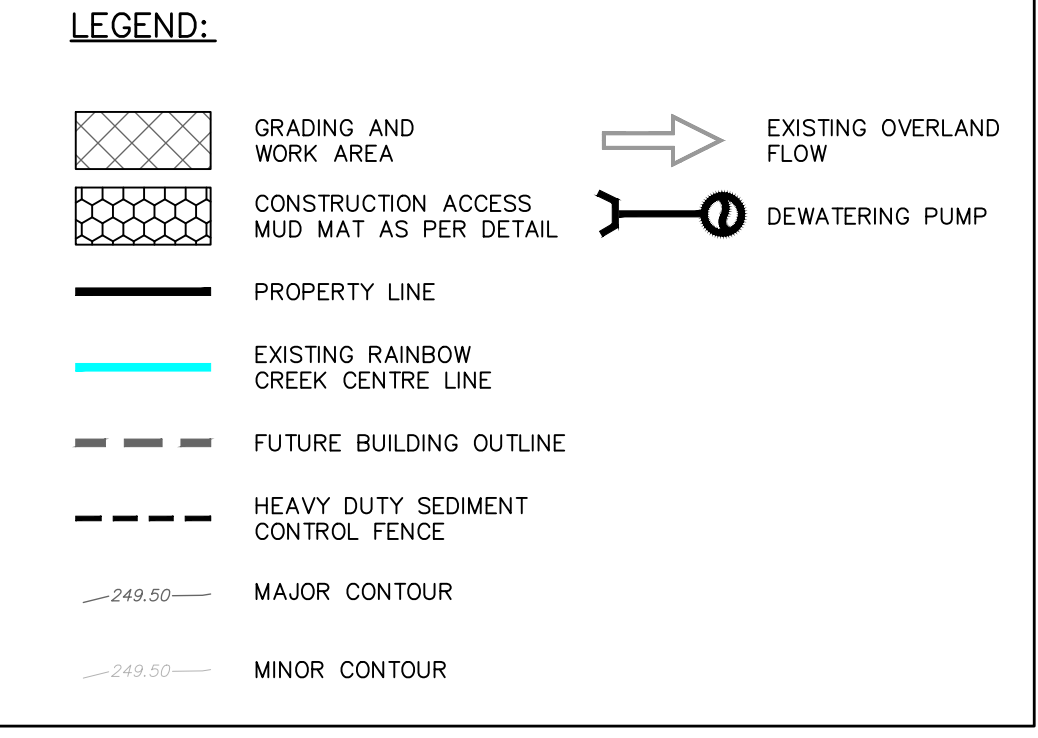
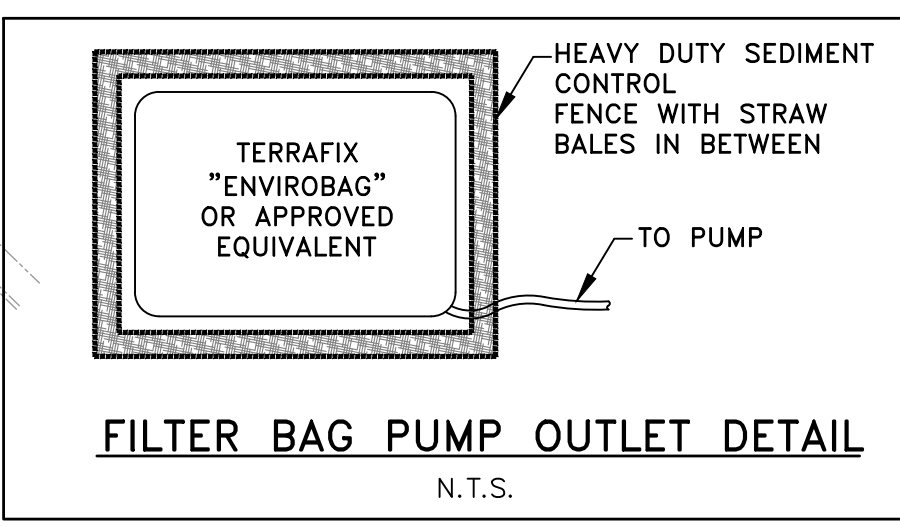
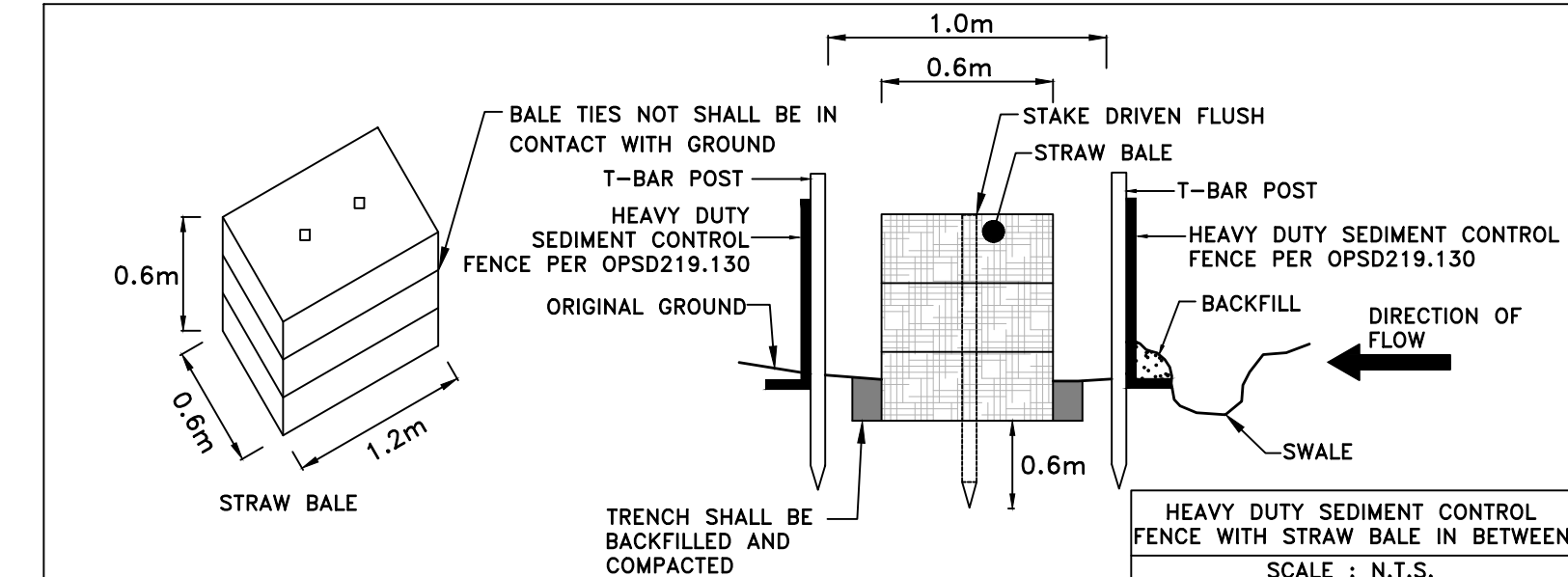
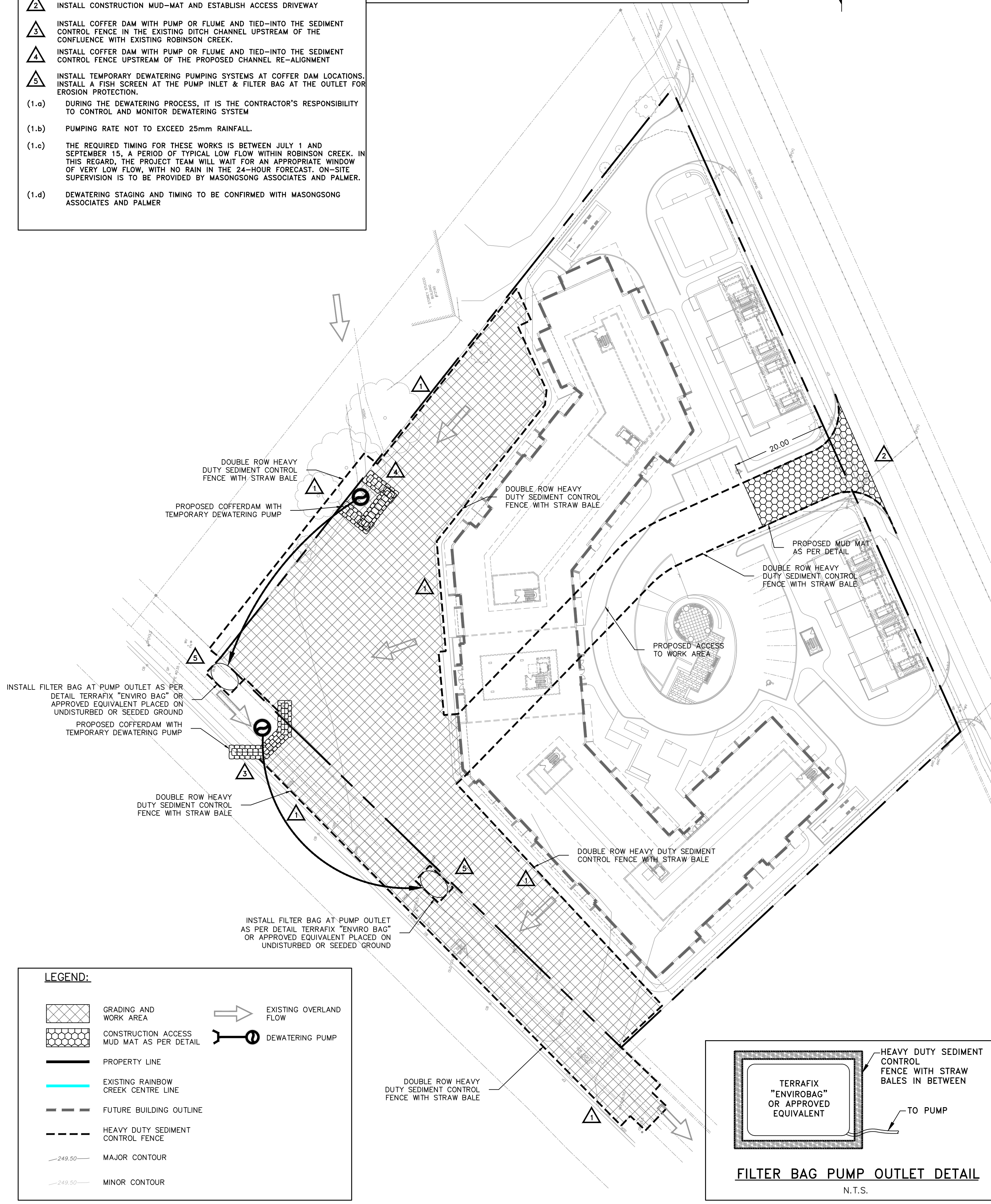
1. PLEASE REFER TO EROSION AND SEDIMENT CONTROL GUIDELINE FOR URBAN CONSTRUCTION (TRCA, 2019) FOR THE DESIGN AND DESIGN ALTERATION OF ESC MEASURES.
2. ANY SEDIMENT SPILL FROM THE SITE SHOULD BE REPORTED TO MINISTRY OF ENVIRONMENT (SPILL ACTION CENTER) AT 1-800-268-6060.
3. THE CONTRACTOR SHALL MONITOR WEATHER FORECASTS TO ENSURE THAT THE WORKS WILL BE CONDUCTED IN FAVOURABLE WEATHER. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL CONSTRUCTION EQUIPMENT AND MATERIALS THAT WOULD HAVE POTENTIAL TO CAUSE A SPILL OR OBSTRUCTION (I.E. FUEL TANKS, PORTABLE TOILETS, MACHINERY, ETC.), FROM THE 100 YEAR FLOODPLAIN IN THE CASE OF A LARGE STORM EVENT.
4. AN AFTER-HOURS CONTACT NUMBER IS TO BE VISIBLY POSTED ON-SITE FOR EMERGENCIES. ALL THE PLANS SHOULD HAVE NAME AND CONTACT INFO OF THE PERSON RESPONSIBLE FOR ESC MEASURES.
5. ALL NEAR OR IN-WATER WORKS SHALL BE COMPLETED WITHIN THE TIMING WINDOW SPECIFIED BY THE DFO, BETWEEN JULY 1 TO SEPTEMBER 15, UNLESS THE APPROPRIATE APPROVAL AGENCIES HAVE PROVIDED PRIOR WRITTEN APPROVAL TO EXTENSION OF THE TIMING WINDOW. THE CONTRACTOR SHALL PLAN AND IMPLEMENT THEIR ACTIVITIES TO ENSURE ADHERENCE TO THE TIMING WINDOW RESTRICTIONS.

STANDARD ENVIRONMENTAL NOTES

1. SEDIMENT AND EROSION CONTROL MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATER.
2. THE EROSION AND SEDIMENT CONTROL STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO PREVENT SEDIMENT RELEASES TO THE NATURAL ENVIRONMENT. THE TRCA ENFORCEMENT OFFICER SHOULD BE IMMEDIATELY CONTACTED SHOULD THE EROSION AND SEDIMENT CONTROL PLANS CHANGE FROM THE APPROVED PLANS.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE INSPECTED WEEKLY, AFTER EVERY RAINFALL AND SIGNIFICANT SNOW MELT EVENT, AND DAILY DURING PERIODS OF EXTENDED RAIN OR SNOWMELT.
4. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.
5. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELING AND MAINTENANCE WILL BE CONDUCTED 30 METRES FROM THE WATER.
6. ALL DISTURBED AREAS WILL BE STABILIZED AND RESTORED WITH NATIVE/NON-INVASIVE SPECIES UPON COMPLETION OF THE WORK.
7. A REHABILITATION PLAN IS TO BE IMPLEMENTED TO RESTORE THE CONSTRUCTION SITE BACK TO ITS PRE-CONSTRUCTION STATE, OR BETTER.
8. THE CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF THE ONSET OF THE PROJECT TO ENSURE THAT THE WORKS WILL BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS. SHOULD AN UNEXPECTED STORM ARISE, THE CONTRACTOR WILL REMOVE ALL UNFIXED ITEMS FROM THE REGIONAL STORM FLOODPLAIN AND SLOPE THAT WOULD HAVE THE POTENTIAL TO CAUSE A SPILL/POLLUTION (I.E., FUEL TANKS, PORTA-POTTIES, MACHINERY) OR AN OBSTRUCTION TO FLOW (I.E. MACHINERY, EQUIPMENT). PRIOR TO FORECASTED PRECIPITATION EVENT, ALL ESC MEASURES TO BE INSPECTED AND CONFIRMED TO BE IN GOOD CONDITION.
9. AN ENVIRONMENTAL MONITOR WILL ATTEND THE SITE TO INSPECT ALL NEW CONTROLS, AS WELL AS ON A REGULAR BASIS OR FOLLOWING RAIN/SNOWMELT EVENT, TO MONITOR ALL WORKS, AND IN PARTICULAR WORKS RELATED TO EROSION AND SEDIMENT CONTROLS, DEWATERING OR UNWATERING, RESTORATION AND IN- OR NEAR- WATER WORK. SHOULD CONCERNS ARISE ON SITE THE ENVIRONMENTAL MONITOR WILL CONTACT THE TRCA ENFORCEMENT OFFICER AS WELL AS THE PROPONENT.
10. ALL DEWATERING/UNWATERING SHALL BE TREATED AND RELEASED TO THE ENVIRONMENT AT LEAST 30 METRES FROM A WATER COURSE OR WETLAND AND ALLOWED TO DRAIN ONTO DISTURBED SOILS WITHIN THE WORK AREA. THESE CONTROL MEASURES SHALL BE MONITORED FOR EFFECTIVENESS AND MAINTAINED OR REVISED TO MEET THE OBJECTIVE OF PREVENTING THE RELEASE OF SEDIMENT LADEN WATER.



TOWN OF CALEDON
PLANNING
RECEIVED
May 1, 2023



UTILITY NOTES:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK. THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE.

BENCHMARK:
ELEVATIONS ARE REFERRED TO THE CITY OF BRAMPTON BENCHMARK No. 042020221, BEING A BRASS CAP IN CONCRETE APPROX. 21 m SOUTH OF CENTRELINE OF HAVESVILLE ROAD AND 11 m EAST OF CENTRELINE OF REGIONAL ROAD 50, IN FRONT OF GAS STATION/COFFEE SHOP, HAVING AN ELEVATION OF 220.967 m.

No.	DATE	ISSUED TO	TRCA	REVISIONS	D.H.
1	01/25/21	ISSUED TO	TRCA		

PROJECT: MULTIPLE RESIDENTIAL CONDO DEVELOPMENT
12148 ALTON VAUGHAN ROAD, TOWN OF CALEDON

CONSULTANT: MASONGSONG ASSOCIATES
380 KENNEDY ROAD, SUITE 201, SCARBOROUGH, ONTARIO L3T 9K7
T: 905-440-8182
www.msa.ca

CONSULTANT: Palmer
PALMER CONSULTANTS
1000 SHEPPARD AVENUE EAST, SUITE 100, SCARBOROUGH, ONTARIO M1S 1W7
T: 416-291-1111
www.palmer.ca

CONSERVATION AUTHORITY: Conservation for The Living City
5 Shoreham Drive, Downsview Ontario M3N 1S4 (416) 661-6600

TITLE: PHASE 1: EROSION AND SEDIMENT CONTROL

DESIGN	W.A.	CHECKED	D.H.	CONTRACT No. 17-849
SCALE	1:500			PLAN No. ESC-1
DATE	JANUARY 2021			

