



EROSION MANAGEMENT

1. EROSION AND SEDIMENT CONTROL (ESC) MEASURES TO BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATER. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF INSPECTION. DISTURBED AREAS TO BE MINIMIZED TO THE EXTENT POSSIBLE AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES. AS PER THE ESC PLAN FOR URBAN AND SUBURBAN CONSTRUCTION (2019), ANY DISTURBED AREA EXPOSED FOR 30 DAYS OR GREATER ARE TO BE STABILIZED. STABILIZATION SHALL BE BY HYDROSEEDING WITH AN APPROVED SEED MIXTURE AND APPLICATION OF MULCH PER OPSB 804 (OR APPROVED EQUIVALENT) TO THE SATISFACTION OF THE TOWN. SEED MIXTURES TO BE COMPRISED OF SPECIES PER THE TRCA'S SEED MIX GUIDELINES SPEC LIST.

2. ALL IN-WATER AND NEAR WATER WORKS TO BE CONDUCTED IN THE DRY WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS.

3. THE ESC STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPDATED DURING THE CONSTRUCTION PHASES TO MINIMIZE SEDIMENT AND LAKE RUNOFF FROM LEAVING THE WORK AREAS. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE IN PREVENTING THE RELEASE OF A DELETERIOUS SUBSTANCE, INCLUDING SEDIMENT, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL RISKS. TRCA ENFORCEMENT OFFICERS SHOULD BE IMMEDIATELY CONTACTED. THE TOWN TO BE ADVISED OF ANY CHANGES TO ESC MEASURES, AND AT THE DISCRETION OF THE TOWN, UPDATED PLANS MAY BE REQUIRED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.

5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ESC MEASURES IN WORKING CONDITION AT ALL TIMES TO THE SATISFACTION OF THE TOWN AND TRCA. ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF INSPECTION.

6. THE CONTRACTOR IS TO ASSIGN AN ENVIRONMENTAL MONITOR TO ASSURE CONSTRUCTION ACTIVITIES COMPLY WITH THE ENVIRONMENTAL PROVISIONS AND AGENCY PERMITS. THE ENVIRONMENTAL MONITOR WILL BE A QUALIFIED PERSON AS DETERMINED BY THE TOWN AND TRCA. THE ENVIRONMENTAL MONITOR SHOULD SUBMIT INSPECTION FORMS ELECTRONICALLY TO THE TOWN AND TRCA UPON REQUEST.

7. THE ENVIRONMENTAL MONITOR TO 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-WATER OR NEAR WATER WORKS. SHOULD CONCERNS ARISE ON SITE THE ENVIRONMENTAL MONITOR SHALL CONTACT THE TRCA ENFORCEMENT OFFICER AS WELL AS THE PROPONENT.

8. THE CONTRACTOR SHALL ROUTINELY INSPECT ALL ESC MEASURES TO ENSURE PROPER WORKING ORDER, FREQUENCY OF INSPECTIONS OF ESC MEASURES IS AS FOLLOWS: DURING EARTHWORKS ACTIVITIES:

- ON A WEEKLY BASIS;
- PRIOR TO PREDICTED RAINFALL EVENTS;
- AFTER EVERY RAINFALL EVENT;
- AFTER ANY SIGNIFICANT SNOWMELT EVENTS;
- DAILY DURING EXTENDED RAIN OR SNOWMELT PERIODS.

9. DURING TIMES OF NO EARTHWORKS ACTIVITIES:

- ONCE EVERY TWO WEEKS
- AFTER ANY SIGNIFICANT SNOWMELT EVENTS;
- AFTER ANY SIGNIFICANT RAINFALL EVENTS (MORE THAN 25mm OF RAINFALL IN A 24-HOUR PERIOD)

10. THE PROPONENT/CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF THE ONSET OF THE PROJECT TO ENSURE THAT THE WORKS TO BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS. SHOULD AN UNEXPECTED STORM ARISE, THE CONTRACTOR SHALL REMOVE ALL UNFIXED ITEMS FROM THE REGIONAL STORM FLOOD PLAN THAT WOULD HAVE THE POTENTIAL TO CAUSE A SPILL OR AN OBSTRUCTION TO FLOW, E.G. FUEL TANKS, PORTA-POTTIES, MACHINERY, EQUIPMENT, CONSTRUCTION MATERIALS, ETC.

11. ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, TO BE CONTROLLED TO THE ENTRY OF DEBRIS INTO THE WATER. THE CONTRACTOR SHALL MAINTAIN AND OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELLING AND MAINTENANCE TO BE CONDUCTED A MINIMUM OF 30 METRES FROM THE WATER. CONTRACTOR SHALL TAKE CARE AND CONTROL SPILLS, FLUIDS AND MATERIALS DURING CONSTRUCTION TO MINIMIZE EXPOSURE TO THE ENVIRONMENT.

12. ALL CONSTRUCTION VEHICLES MUST ENTER AND EXIT THE SITE ONLY FROM THE APPROVED ACCESS ROUTE(S) AS SHOWN ON THE PLANS. CONSTRUCTION ACCESS WILL BE MAINTAINED TO THE SATISFACTION OF THE TOWN/REGION. STREET SWEEPING IS REQUIRED AS NECESSARY.

13. CONSTRUCTION ACTIVITY OR MACHINERY SHALL BE ALLOWED BEYOND THE TEMPORARY SEDIMENT CONTROL FENCES OR LIMITS OF THE SITE WORKS.

14. ALL DEWATERING/UNWATERING SHALL BE TREATED AND RELEASED TO THE ENVIRONMENT AT LEAST 30 METRES FROM A WATERCOURSE OR WETLAND AND ALLOWED TO DRAIN THROUGH A WELL-VEGETATED AREA. NO DEWATERING EFFLUENT SHALL BE SENT DIRECTLY TO ANY WATERCOURSE, WETLAND OR FORD, OR 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.

15. CONSTRUCTION TIMING

16. IN ORDER TO COMPLY WITH THE MIGRATORY BIRDS CONVENTION ACT AND BAT HABITAT CONSIDERATIONS, TREE REMOVALS SHOULD BE COMPLETED BETWEEN OCTOBER 1 AND

APRIL 1.

17. TO PROTECT LOCAL FISH POPULATIONS DURING THEIR SPawning, NURSERY AND MIGRATORY PERIODS, IN-WATER/NEAR WATER ACTIVITIES MAY ONLY OCCUR DURING THE FOLLOWING TIME PERIOD (TRCA TO CONFIRM TIMING WINDOW DURING REVIEW OF FIRST SUBMISSION).

ENVIRONMENTAL COMPLIANCE

18. PLEASE NOTIFY THE TRCA AT 416-661-8000 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.

19. AN ENVIRONMENTAL MONITOR TO BE ON SITE, AND PROVIDE ADVICE, TO ENSURE THAT ACTIVITIES THAT COULD HAVE A NEGATIVE IMPACT TO THE NATURAL ENVIRONMENT ARE EFFECTIVELY MITIGATED AS CONSTRUCTION PROCEEDS. THE ENVIRONMENTAL MONITOR SHALL NOTIFY THE TRCA ENFORCEMENT OFFICER AND PROJECT MANAGER IF AN ISSUE ARISES.

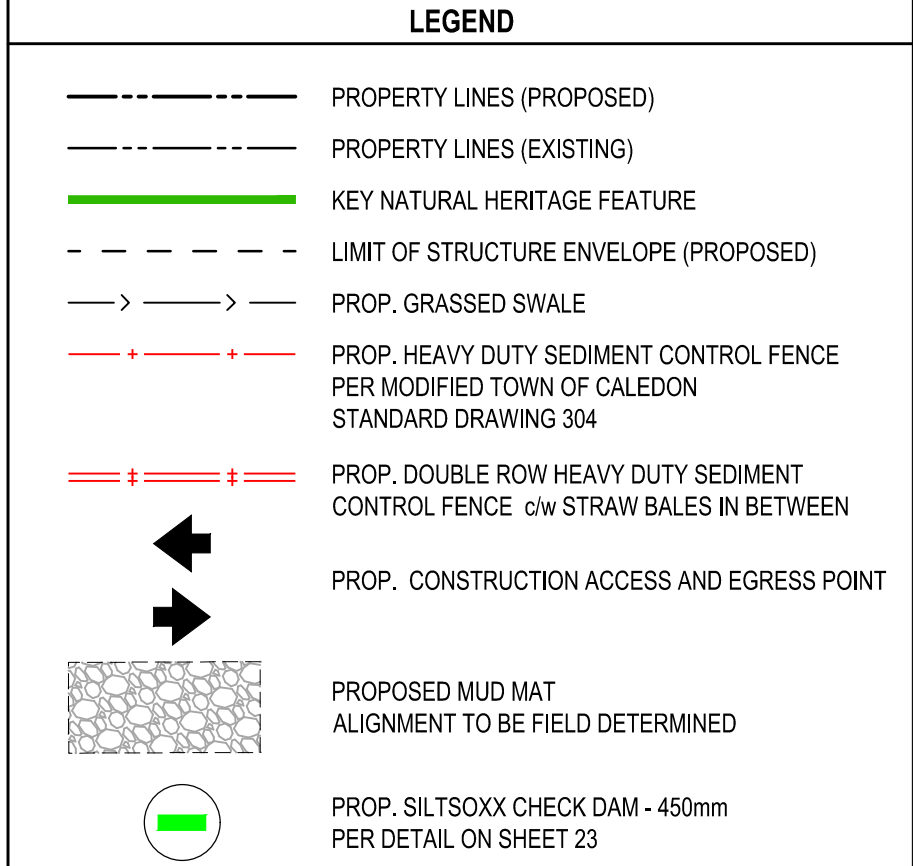
TEMPORARY EROSION AND SEDIMENT CONTROLS

20. MUD MAT TO BE PROVIDED ON SITE AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES EXIT THE SITE. MUD MAT(S) SHALL BE A MINIMUM OF 5m WIDE, 30m LONG AND 0.45m DEEP. THE MUD MAT(S) SHALL CONSIST OF 50-100mm CLEAR STONE MATERIAL OR APPROVED EQUIVALENT EXCEPT FOR THE FIRST 15m WHICH SHALL BE 50mm CLEAR STONE. CONTRACTOR TO ENSURE ALL VEHICLES LEAVE THE SITE VIA THE MUD MAT AND THAT THE MUD MAT IS MAINTAINED IN A MANNER TO MAXIMIZE EFFECTIVE NESS AT ALL TIMES.

21. THE CONTRACTOR IS RESPONSIBLE TO IMPLEMENT DUST CONTROL MEASURES AND CONSTRUCTION BEST PRACTICE GUIDELINES AS APPROVED BY THE TOWN AND TRCA. TOPSOIL AND MATERIAL STOCKPILES TO BE ENCLOSED WITH SEDIMENT CONTROL FENCE. SEDIMENT CONTROL FENCE STOCKPILES TO BE TERRAFLU TERRACRETE OR APPROVED EQUIVALENT. THE MAXIMUM SIDE SLOPE SHALL BE 1:5H:1V. ONCE TOPSOIL STRIPPING IS COMPLETED, THE STOCKPILE SHALL BE VEGETATED, SUBJECT TO WEATHER CONDITIONS, BY HYDROSEEDING OR AN APPROVED EQUIVALENT, TO THE SATISFACTION OF THE TOWN.

22. REMOVE TEMPORARY SEDIMENT CONTROLS FOLLOWING COMPLETION OF CONSTRUCTION AND SITE STABILIZATION AND REINSTATE AFFECTED AREAS TO EXISTING CONDITIONS OR BETTER. TIMING OF REMOVAL OF TEMPORARY SEDIMENT CONTROLS TO BE APPROVED BY TOWN STAFF.

23. SEDIMENT CONTROL FENCE SHALL BE MAINTAINED IN PLACE UNTIL BUILDER HOME CONSTRUCTION THEN EITHER BE MAINTAINED, REMOVED OR AUGMENTED. SEDIMENT CONTROL FENCE TO BE REMOVED BY BUILDER ON COMPLETION OF HOUSE CONSTRUCTION AND LOT RESTORATION.



NAME/AGENCY	PHONE NUMBER
TOWN OF CALEDON	905-584-2272
TORONTO AND REGION CONSERVATION	416-661-6600
MINISTRY OF ENVIRONMENT SPILLS REPORTING	416-325-3000
OWNER - STELLAR HOMES INC.	905-726-7778
PROJECT ENGINEER - ECOMETRIX INCORORATED	905-857-7600



Client:

Project Name: **STELLAR ESTATES PHASE 2**
MULLOY COURT, TOWN OF CALEDON

Drawing N°: 22-3001-08	Sheet N°: 8 OF 9	Rev. N°: <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> 1 </div>
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