

P:\Autodesk Vault\Working Folders\20033 - Rinomato, 80 Big Bay Point Road, Barrie\Engineering\20033 - ESR Drawings.dwg Layout\EP (24x36) Plotted Jul 06, 2021 @ 4:13pm by jmore @ PEARSON ENGINEERING LTD.



EROSION AND SEDIMENT CONTROL NOTES:

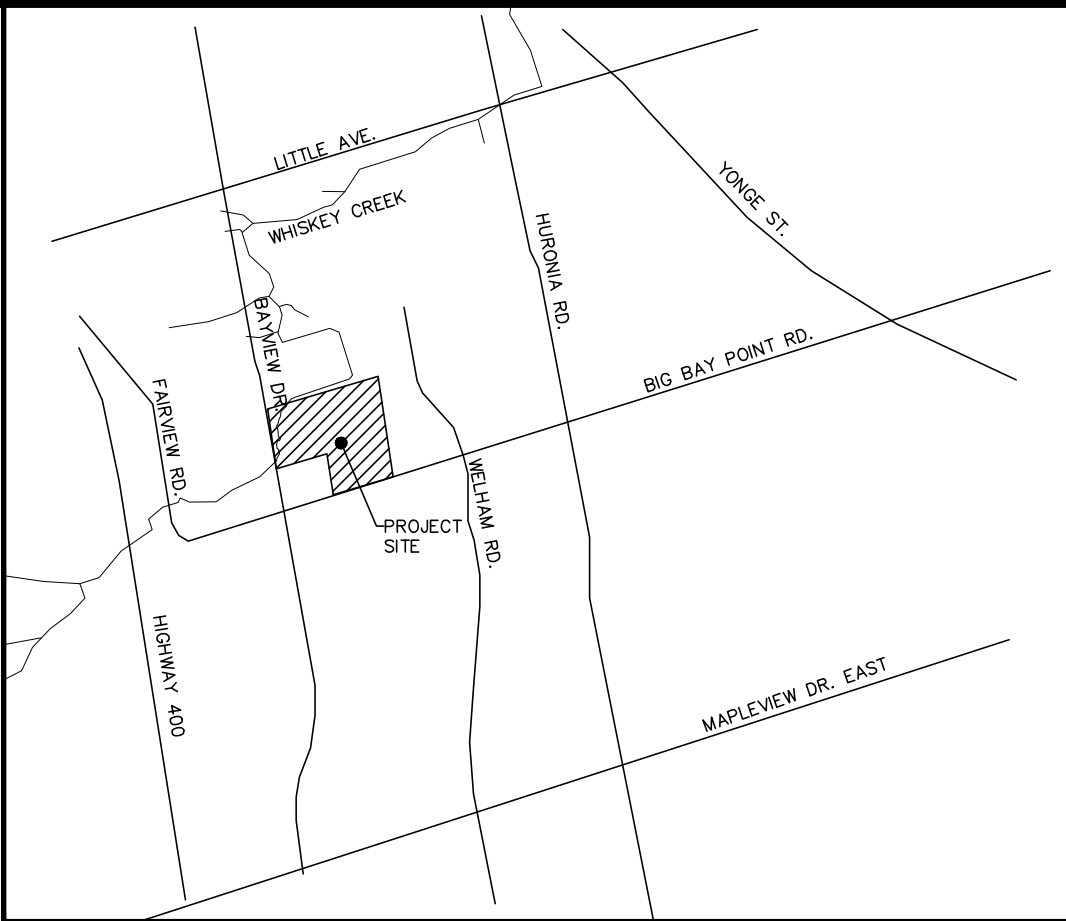
- ALL SEDIMENT CONTROL MEASURES SUCH AS SEDIMENT CONTROL FENCE, TEMPORARY PONDS, CONSTRUCTION ACCESS MATS, SEDIMENT TRAPS, SWALES AND CHECK DAMS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF SITE WORKS.
- SEDIMENT CONTROLS SHOULD BE INSPECTED ON A REGULAR BASIS AND AFTER EVERY SIGNIFICANT RAINFALL EVENT. REPAIRS TO ESC MEASURES MUST BE COMPLETED IN A TIMELY MANNER TO PREVENT SEDIMENT MIGRATION.
- ADDITIONAL MATERIALS SUCH AS CLEAR STONE, FILTER FABRIC, PUMPS, HOSES AND SILTBOX TO BE KEPT ONSITE AT ALL TIMES FOR CONDUCTING REPAIRS TO SEDIMENT CONTROL MEASURES.
- ALL DISTURBED AREAS LEFT INACTIVE FOR MORE THAN THIRTY DAYS ARE TO BE STABILIZED.
- THE STABILIZATION SEED MIXTURE IS TO BE AS SPECIFIED ON THE EROSION AND SEDIMENT CONTROL PLAN.
- THE STABILIZATION SEED MIXTURE IS TO BE APPLIED AT A MINIMUM RATE OF 25 kg/ha.
- ENGINEERED CHANGES TO THE ESC MEASURES MAY BE NEEDED AS SITE CONDITIONS CHANGE THROUGHOUT THE CONSTRUCTION PROCESS. THESE UPDATES MUST REFLECT BEST MANAGEMENT PRACTICES TO CONTROL SEDIMENT AND EROSION ONSITE AND SHOULD BE COMPLETED BASED ON DIRECTION FROM THE SITE ENGINEER. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY AN ENGINEER THROUGHOUT THE CONSTRUCTION PROCESS.
- THE CONSTRUCTION ENTRANCE MAT IS TO BE INSTALLED AS THE FIRST STEP IN THE SITE ALTERATION PROCESS.
- SEDIMENT CONTROL FENCE IS TO BE INSTALLED DOWNSLOPE OF ALL DISTURBED AREAS. A DOUBLE ROW OF SEDIMENT CONTROL FENCE IS TO BE AS PER LSRCA STANDARD ESC-4 OR ESC-5 AS A MINIMUM. LIGHT DUTY SEDIMENT CONTROL FENCE IS NOT ACCEPTABLE.
- CUT-OFF SWALES OR DITCHES ARE TO BE INSTALLED AS SHOWN ON THE ESC PLANS AND AS NECESSARY BASED ON CHANGING SITE CONDITIONS TO DIRECT OVERLAND FLOW TO THE APPROPRIATE SEDIMENT TRAP OR TEMPORARY SEDIMENT POND.
- CHECK DAMS ARE TO BE INSTALLED IN ALL SWALES AND DITCHES IN ACCORDANCE WITH DRAWING LSRCA ESC-2, AS A MINIMUM.
- TEMPORARY SEDIMENT TRAP(S) ARE TO BE CONSTRUCTED AT THE BEGINNING OF SITE GRADING AND IF THE SITE DRAINAGE CHANGES DURING CONSTRUCTION. IT MAY BE NECESSARY FOR TEMPORARY SWALES TO BE CONSTRUCTED TO DIRECT SITE FLOWS TO THE TEMPORARY SEDIMENT TRAP(S) DURING ROUGH GRADING AND AS CONSTRUCTION PROGRESSES.
- TEMPORARY SEDIMENT POND(S) ARE TO BE CONSTRUCTED AT THE BEGINNING OF SITE GRADING AND IF THE SITE DRAINAGE CHANGES DURING CONSTRUCTION. IT MAY BE NECESSARY FOR TEMPORARY SWALES TO BE CONSTRUCTED TO DIRECT SITE FLOWS TO THE TEMPORARY SEDIMENT POND(S) DURING ROUGH GRADING AND AS CONSTRUCTION PROGRESSES.
- FILTREX SILTBOX OR APPROVED EQUIVALENT TO BE INSTALLED DOWNSTREAM FROM SEDIMENT TRAP AND TEMPORARY SEDIMENT POND OUTLETS TO A MINIMUM HEIGHT OF 300mm.
- IF STOCKPILES ARE USED ON-SITE FOR THE STORAGE OF EXCESS MATERIAL, THEY ARE TO BE IN ACCORDANCE WITH DETAIL DRAWING LSRCA ESC-6 OR BETTER.
- ANY DEWATERING OCCURRING ONSITE MUST BE IN ACCORDANCE WITH AN APPROVED DEWATERING PLAN. ADDITIONAL DEWATERING REQUIREMENTS MAY BE DEEMED NECESSARY AND SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER, CONTRACT ADMINISTRATOR OR LOCAL MUNICIPALITY.
- THE SITE TRAILER IS TO BE LOCATED ONLY AT THE DESIGNATED LOCATION SHOWN ON THE PLANS.
- EQUIPMENT AND HYDROCARBON STORAGE IS TO OCCUR ONLY WITHIN THE DESIGNATED AREA SHOWN ON THE PLANS.
- REFUELLING IS TO TAKE PLACE ONLY WITHIN THE DESIGNATED AREA SHOWN ON THE PLANS AND SHALL BE A MINIMUM OF THIRTY METRES FROM ANY WATERCOURSE OR ENVIRONMENTALLY SENSITIVE AREA.
- AN APPROVED SPILLS MANAGEMENT PLAN IS TO BE KEPT ONSITE.
- SPILL CLEANUP EQUIPMENT SUCH AS ABSORPTIVE MEDIA IS TO BE MAINTAINED ONSITE FOR IMMEDIATE USE IN THE EVENT OF A SPILL.
- SPILLS ARE TO BE REPORTED IMMEDIATELY TO THE MOECC SPILLS ACTION CENTRE AT 1-800-288-6060.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEAN-UP AND RESTORATION, INCLUDING ALL COSTS, DUE TO THE RELEASE OF SEDIMENT FROM THE SITE.
- LOW IMPACT DEVELOPMENT (LID) MEASURES ARE NOT TO BE USED AS SEDIMENT CONTROL DEVICES.
- ADDITIONAL SEDIMENT CONTROL DEVICES MAY BE DEEMED NECESSARY AND AS SITE CONDITIONS CHANGE AND SHALL BE INSTALLED AS DIRECTED BY THE SITE ENGINEER, CONTRACT ADMINISTRATOR OR LOCAL MUNICIPALITY.

1	SWM GUIDELINES UPDATE	06.2016
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EROSION AND SEDIMENT CONTROL PLAN NOTES

DATE: 06.2016
SCALE: NTS

LSRCA ESC-1



KEY PLAN
NTS

LEGEND

- SITE BOUNDARY
- EXISTING 100 YR FLOODLINE
- EXISTING REGIONAL FLOODLINE
- ROCK CHECK DAM
- SWALE
- SILT FENCE

SEDIMENT CONTROL FENCE

DATE: 06.2016
SCALE: NTS

LSRCA ESC-4

NOTES:

- SEDIMENT CONTROL FENCE SHOULD BE ALIGNED WITH CONTOURS FOR SHEET OVERLAND FLOW.
- SEDIMENT CONTROL FENCE IS TO BE LOCATED IN AREAS OF LOW SEDIMENT YIELD ON SLOPES THAT CONFORM TO MTO DRAINAGE MANUAL VOLUME 2 CHART 14-3C. TOPOGRAPHIC FACTOR IS BASED ON SLOPE LENGTH AND GRADIENT.
- SEDIMENT CONTROL FENCE SHALL BE INSTALLED WITH FILTER MEDIA FABRIC TIED INTO THE SOIL A MINIMUM OF 300 mm BY EITHER STATIC SLICING OR TRENCH METHODS WITH COMPACTION OF TRENCH MATERIAL MEETING 95% STANDARD PROCTOR DENSITY.
- STEEL "T" BAR POSTS ARE TO BE SPACED A MAXIMUM DISTANCE OF 2000 mm ON CENTER.
- FROZEN GROUND CONDITIONS REQUIRE FILTER FABRIC TO BE BACKFILLED IN TRENCH WITH CLEAR STONE.
- GEOTEXTILE FABRIC TO BE COMPRISED OF NON-WOVEN U.V. STABILIZED MATERIAL FABRIC TO BE FOLDED OVER TOP OF FENCE A MINIMUM OF 300 mm AND WIRE FASTENED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
- ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SHOWN.

SEDIMENT CONTROL FENCE DETAILS:

- TOP 200 mm OF TEE BAR SPRAY PAINTED FLOURESCENT ORANGE FABRIC FOLDED OVER TOP OF FENCE
- NON-WOVEN GEOTEXTILE ATTACHED, FOLDED OVER, AND WIRE LOOPED TO FENCE
- GALVANIZED FIELD FENCE (14-12 14.5 OR 14-12 14.5) GALVANIZED WELDED WIRE FENCE (14-12 14.5) ATTACHED TO POSTS
- STEEL "T" BAR FENCE POSTS 60 mm x 60 mm x 1800 mm LONG SPACED 2000 mm O.C.
- STEEL "T" BAR POST
- FENCING AS NOTED ABOVE
- FASTEN FABRIC WITH WIRE TIES
- FILTER FABRIC
- COMPACTED NATIVE MATERIAL
- 1000 mm (MIN.)
- 2000 mm (MAX.)
- 300 mm (MIN.)
- 600 mm

1	SWM GUIDELINES UPDATE	06.2016
NO.	REVISION	DATE

CONSTRUCTION ACCESS MAT

DATE: 06.2016
SCALE: NTS

LSRCA ESC-3

PLAN VIEW:

- EXISTING ROADWAY
- INSTALL CULVERT AS NEEDED IN EXISTING DITCHES
- SEDIMENT CONTROL FENCE AS PER DETAIL LSRCA ESC-4
- MAINTAIN OR ESTABLISH VEGETATIVE BUFFER BEYOND SEDIMENT CONTROL FENCE
- 30 m MINIMUM
- 100 mm to 200 mm QUARRY STONE WITH APPROPRIATE GEOTEXTILE BASE
- 6 m MINIMUM
- 300 mm
- 100 mm to 200 mm QUARRY STONE WITH APPROPRIATE GEOTEXTILE BASE
- INSTALL SEDIMENT CONTROL FENCE AS PER DETAIL LSRCA ESC-4 TO PROPERTY LINE
- PROPERTY LINE
- EXISTING ROADWAY

ELEVATION VIEW:

- EXISTING ROADWAY
- INSTALL CULVERT AS NEEDED IN EXISTING DITCHES
- SEDIMENT CONTROL FENCE AS PER DETAIL LSRCA ESC-4
- MAINTAIN OR ESTABLISH VEGETATIVE BUFFER BEYOND SEDIMENT CONTROL FENCE
- 30 m MINIMUM
- 100 mm to 200 mm QUARRY STONE WITH APPROPRIATE GEOTEXTILE BASE
- 6 m MINIMUM
- 300 mm
- 100 mm to 200 mm QUARRY STONE WITH APPROPRIATE GEOTEXTILE BASE
- INSTALL SEDIMENT CONTROL FENCE AS PER DETAIL LSRCA ESC-4 TO PROPERTY LINE
- PROPERTY LINE
- EXISTING ROADWAY

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