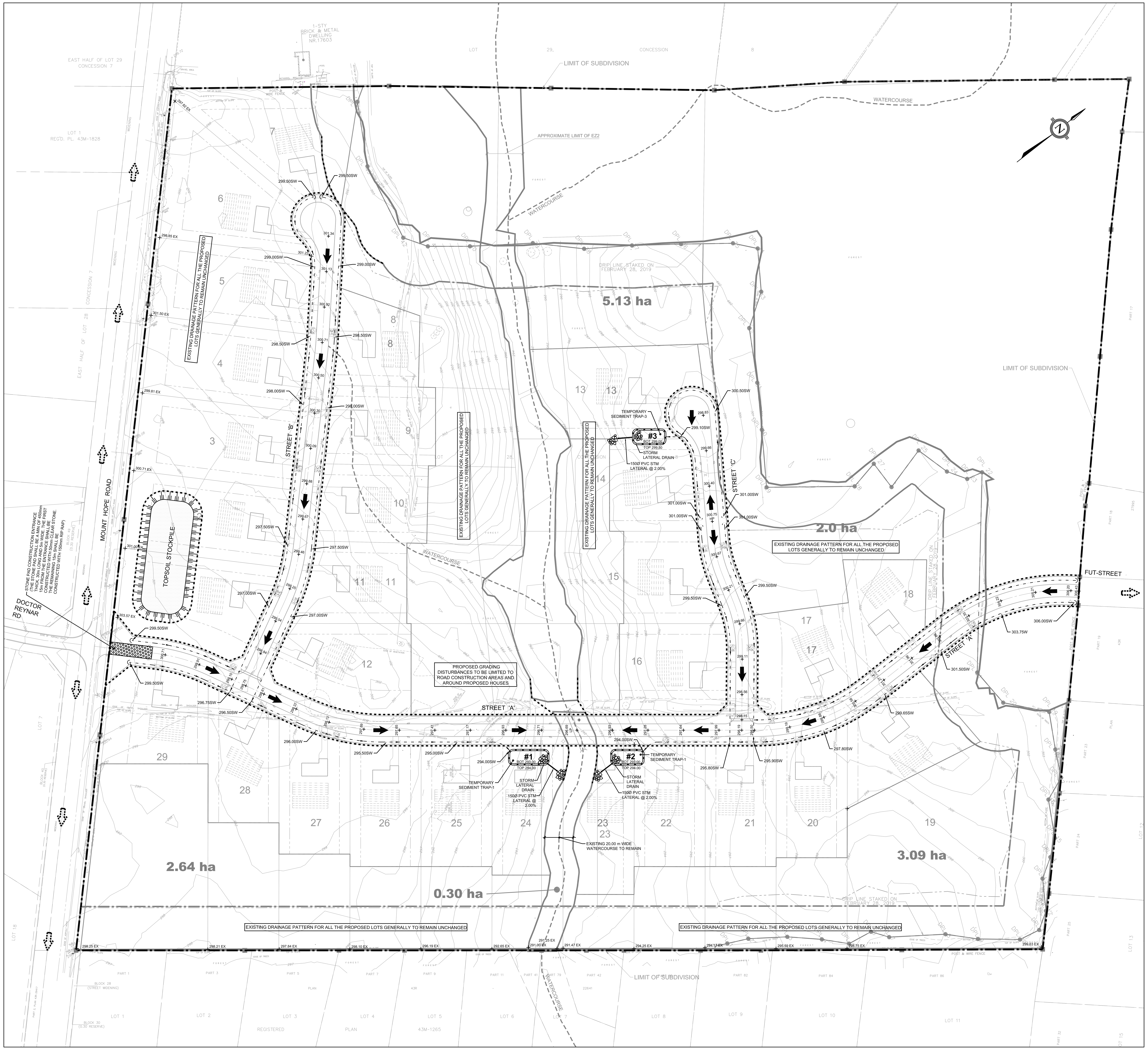
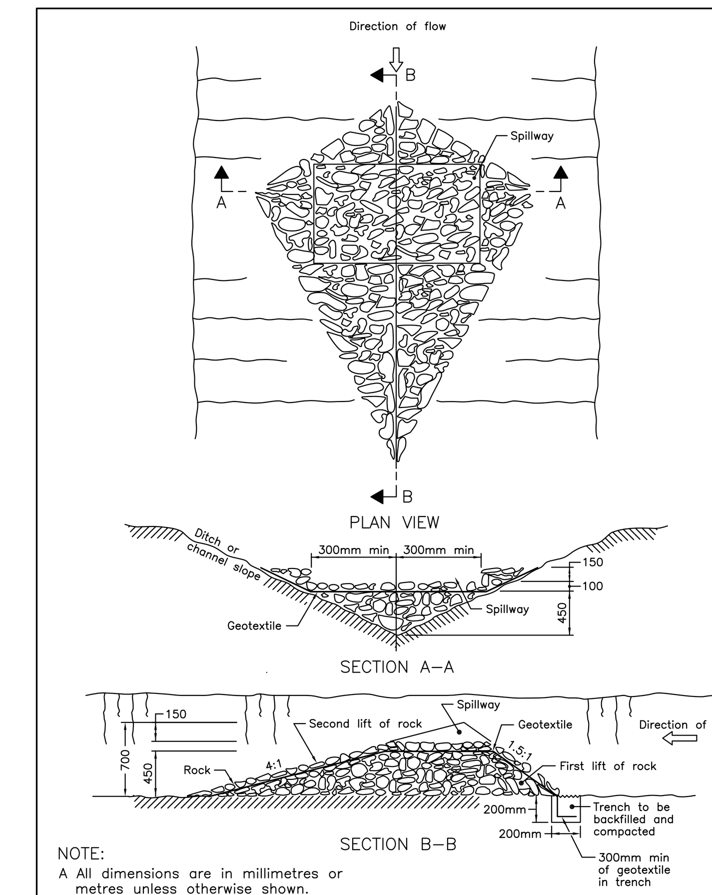
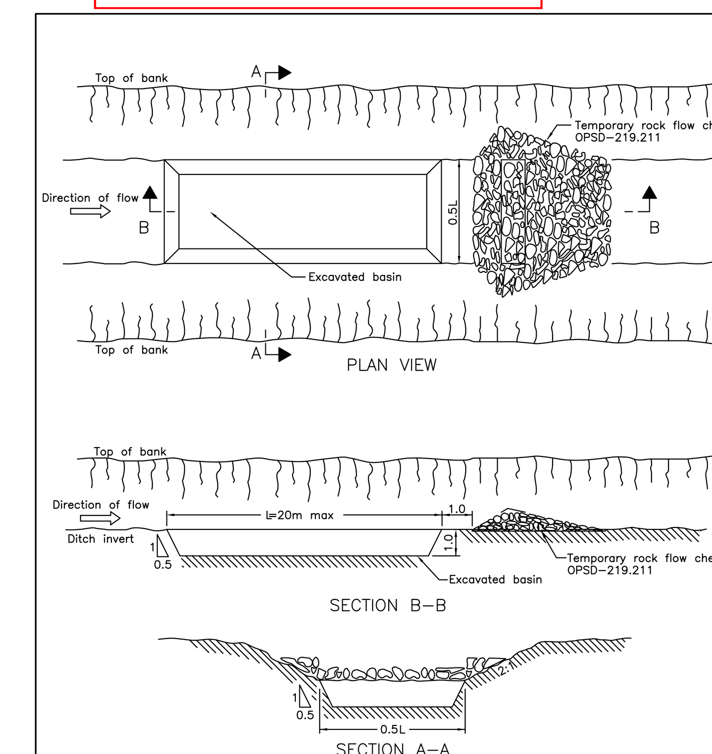




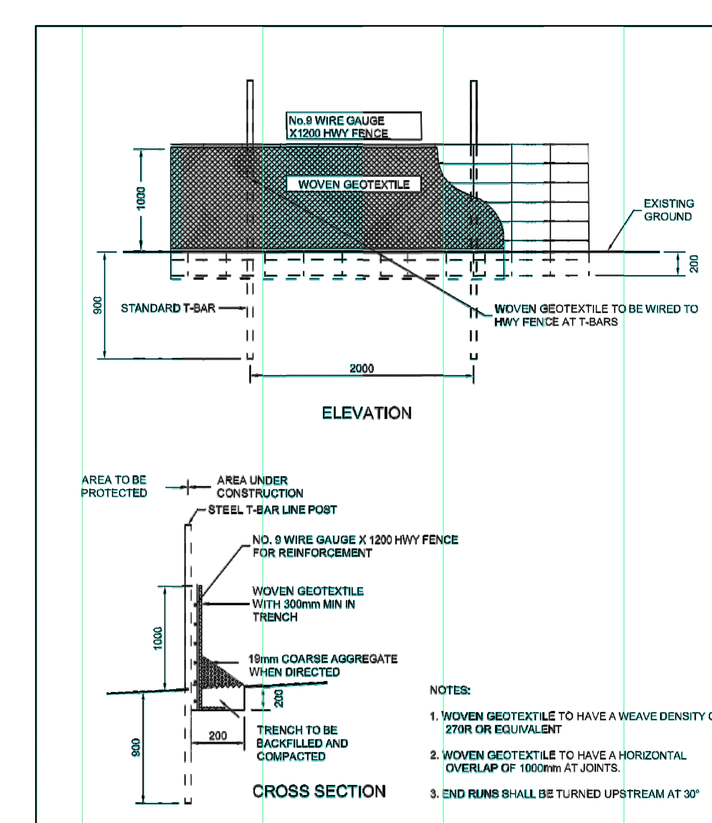
ONTARIO PROVINCIAL STANDARD DRAWING 1996 02 01 Rev
TEMPORARY ROCK FLOW CHECK V-DITCH
OPSD – 219.210

TOWN OF CALEDON
PLANNING
RECEIVED
July 29, 2020



NOTES:
A Ditch cross section upstream or downstream of sediment trap may be flat bottom or 'V' shaped.
B All dimensions are in millimetres or metres unless otherwise shown.

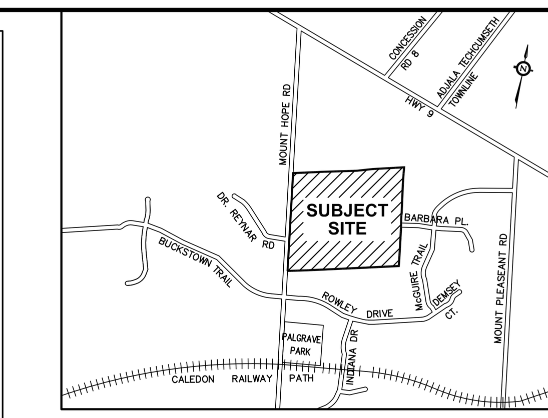
ONTARIO PROVINCIAL STANDARD DRAWING 1996 02 01 Rev
EXCAVATED SEDIMENT TRAP
OPSD – 219.220



NOTES:
1. WOVEN GEOTEXTILE TO HAVE A WEAVE DENSITY OF 270R OR EQUIVALENT
2. WOVEN GEOTEXTILE TO HAVE A HORIZONTAL OVERLAP OF 1000mm AT JOINTS.
3. END RUNS SHALL BE TURNED UPSTREAM AT 30°

NO.	REVISION	APR'D	DATE
2	NAME CHANGED, STANDARD No. 325.01 NOW 304		JUNE 08
1	SUPPORT FENCING CHANGED TO HWY FENCE		Oct 02

TOWN OF CALEDON
SEDIMENT CONTROL FENCE
APR'D: C.C. DATE: APRIL 2000
DRAWN: BJM SCALE: N.T.S.
STANDARD No. 304



LEGEND :

- PROPOSED DRIVEWAY WITH CULVERT
- PROPOSED CULVERT
- HYDRANT
- PROPOSED WATER SERV. CONNECTION
- PROPOSED UTILITY BOX
- PROPOSED LIGHT POLE
- PROPOSED VALVE & BOX
- LIMIT OF DEVELOPMENT
- STRUCTURE ENVELOP LINE
- WATERCOURSE
- EXISTING TREES
- EDGE OF VEGETATION
- SEPTIC TANK SYSTEM (TYP)
- PROPOSED HOUSE (TYP)

LEGEND:

- TEMPORARY INTERCEPTOR SWALE
- ROCK CHECK DAM
- TEMPORARY SEDIMENT/SILT CONTROL FENCE
- TEMPORARY STONE PAD CONSTRUCTION ENTRANCE
- PROPOSED MAJOR OVERLAND FLOW ROUTE
- EXISTING MAJOR OVERLAND FLOW ROUTE

TEMPORARY SEDIMENT TRAP–1 (OPSD 2019.130)	
TRIBUTARY AREA	=2.02ha
TOTAL STORAGE REQUIRED	=2.02hax125m³/ha =252.50m³
TOTAL STORAGE PROVIDED	=270.00m³

TEMPORARY SEDIMENT TRAP–1 (OPSD 2019.130)	
TRIBUTARY AREA	=1.45 ha
TOTAL STORAGE REQUIRED	=1.45hax125m³/ha =181.25m³
TOTAL STORAGE PROVIDED	=195.00m³

TEMPORARY SEDIMENT TRAP–3 (OPSD 2019.130)	
TRIBUTARY AREA	=0.20ha
TOTAL STORAGE REQUIRED	=0.20hax125m³/ha =25.00m³
TOTAL STORAGE PROVIDED	=30.00m³

TOPSOIL STOCKPILE DATA	
FOOTPRINT AREA	=34,700 m²
TOTAL VOLUME	=34,700 x 0.30 =10,410 m³
HEIGHT	=4.00 m
SIDE SLOPE	=1.5H – 1.0V
TOTAL VOLUME	=10,410 m³

REVISIONS

No.	BY	DATE	REVISION	CONS. CHECKED	TOWN APPR'D
1	--	----			

APPROVED FOR CONSTRUCTION
THIS APPROVAL CONSTITUTES A GENERAL REVIEW AND DOES NOT CERTIFY DIMENSIONAL ACCURACY.
THIS APPROVAL IS SUBJECT TO THE FURTHER CERTIFICATION OF THE "AS CONSTRUCTED" WORKS BY A REGISTERED PROFESSIONAL ENGINEER OF THE PROVINCE OF ONTARIO.
DATE:________________ APPROVED BY:____________________
H. MUNTZ, P.ENG. Town Engineer

ELEVATION NOTES
ELEVATION SHOWN HEREON ARE GEODETIC AND DERIVED FROM THE TOWN OF CALEDON BENCHMARKS.

LOCAL BENCHMARK
NO. 008197558066 ELEVATION = 277.870 METRES AND NO. 00819778416 ELEVATION = 318.849 METRES

DESIGNED BY: LICENSED PROFESSIONAL ENGINEER W. C. IP OCT 11,19 PROVINCE OF ONTARIO
APPROVED BY

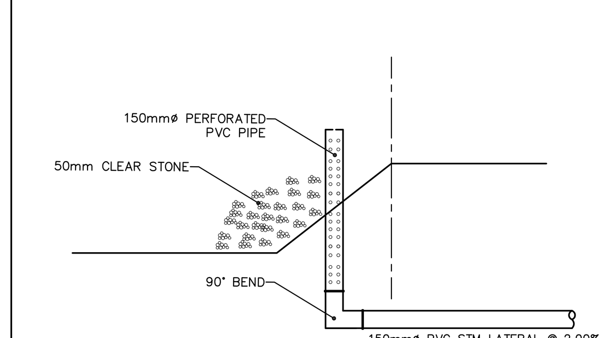
PROJECT: PALGRAVE ESTATES SUBDIVISION

CONSULTANT: MASONGSONG ASSOCIATES
7800 KENNEDY ROAD SUITE 201 MARKHAM, ONTARIO L3R 2C7 T: (905) 944-0162 www.maeng.ca

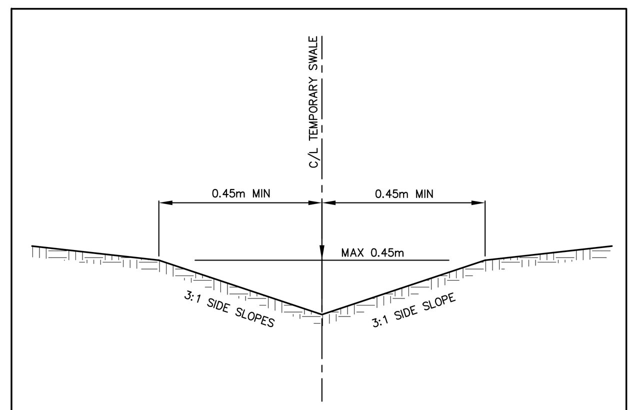
Region of Peel Working for you
TOWN OF CALEDON

TITLE: EROSION CONTROL PLAN

SCALE: 1:1000		PROJECT No. 18-951
DESIGNED BY: M.N.	DRAWN BY: MAEL CAD	PLAN No. EC1
CHECKED BY: A.I.	DATE: OCTOBER 2019	



TEMPORARY STORM LATER DRAIN
N.T.S



TEMPORARY SWALE CROSS-SECTION
N.T.S

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVAL FROM THE TOWN AND EXTERNAL AGENCIES PRIOR TO ANY SITE ALTERATION ACTIVITY.
2. PRIOR TO COMMENCEMENT OF ANY ON–SITE/TOPSOIL STRIPPING, EROSION & SEDIMENT CONTROL (ESC) MEASURES, AS PER APPROVED SITE ALTERATION PLAN, MUST BE INSTALLED AND APPROVED BY THE DIRECTOR OF ENGINEERING. ADDITIONAL ESC MEASURES, IF REQUIRED, SHALL BE INSTALLED AS DIRECTED BY THE DIRECTOR OF ENGINEERING. THE ESC MEASURES SHALL REMAIN IN PLACE UNTIL DIRECTED BY THE DIRECTOR OF ENGINEERING FOR THEIR REMOVAL.
3. TREES ARE TO BE RESERVED AS PER THE APPROVED TREE PRESERVATION PLAN.
4. NO CONSTRUCTION ACTIVITY OR MACHINERY SHALL BE ALLOWED BEYOND THE SILT/SNOW FENCE OR LIMITS OF THE SUBDIVISION.
5. THE CONTRACTOR IS RESPONSIBLE TO IMPLEMENT DUST CONTROL MEASURES AND CONSTRUCTION PRACTICE GUIDELINES AS APPROVED BY TOWN/TRCA.
6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ESC MEASURES IN WORKING CONDITIONS AT ALL TIMES TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING. THE CONTRACTOR SHALL ROUTINELY INSPECT ALL ESC DEVICES MINIMUM ONCE A WEEK AND AFTER EACH RAINFALL EVENT GREATER THAN 10mm TO ENSURE THAT ESC MEASURES ARE IN PROPER WORKING CONDITIONS. ANY DAMAGES MUST BE REPAIRED WITHIN 24 HOURS.
7. ALL CONSTRUCTION VEHICLES MUST ENTER AND EXIT THE SITE ONLY FROM THE APPROVED ACCESS ROUTE(S) AS SHOWN ON THE PLAN.
8. CATCHBASIN SEDIMENT CONTROL DEVICES ARE TO BE INSTALLED IMMEDIATELY AFTER BASE ASPHALT.
9. SEDIMENTS COLLECTED IN THE SEDIMENT CONTROL PONDS SHALL BE REMOVED WHEN 50% OF THE STORAGE CAPACITY IS FILLED. THE POND SHALL BE KEPT IN OPERATION UNTIL SODDING OF DISTURBED AREAS IS COMPLETED TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING.
10. ALL DISTURBED GROUND LEFT INACTIVE FOR OVER 30 DAYS SHALL BE VEGETATED, SUBJECT TO WEATHER CONDITIONS, BY SEEDING OR APPROVED EQUIVALENT TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING.
11. ALL TOPSOIL STOCKPILES IF REMAIN ON SITE FOR MORE THAT 30 DAYS SHALL BE VEGETATED. SUBJECT TO WEATHER CONDITIONS, BY SEEDING OR APPROVED EQUIVALENT TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING.
12. STREET SWEEPING/CATCHBASIN CLEANING PROGRAM TO BE IMPLEMENTED UPON COMPLETION OF BASE ASPHALT TO THE SATISFACTION OF THE DIRECTOR OF ENGINEERING.
13. ALL TOPSOIL STOCKPILES SHALL BE SURROUNDED WITH SEDIMENT CONTROL FENCE. THE MAXIMUM SIDESLOPES FOR STOCKPILES SHALL BE 1.5 (H) TO 1.0 (V). THE MAXIMUM HEIGHT OF STOCKPILE SHOULD NOT EXCEED 5.0 METRES.
14. 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 MINIMIZE SEDIMENT LADEN 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 IMPACTS. TRCA ENFORCEMENT OFFICER (BEN KRUL, TELEPHONE : 416–661–6600 EXT. 5769) SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.
15. THE CONTRACTOR SHALL ENDEAVOUR TO PREVENT MUD TRUCKING ONTO EXISTING RIGHT–OF–WAY AND SHALL PROVIDE FOR CLEANUP AT HIS/HER OWN EXPENSE AS DIRECTED BY ENGINEER.
16. THE CONTRACTOR SHALL CARE AND CONTROL SPILLS, FLUIDS, AND MATERIALS DURING CONSTRUCTION TO MINIMIZE RISK TO ENVIRONMENT.
17. EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL 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 THE INSPECTION

DEWATERING NOTES:

1–LAY FILTER FABRIC
2–PLACE SEDIMENT BAG ON FILTER FABRIC
3–PLACE SILT SOXX ALONG THE PARAMETER OF FILTER FABRIC
4–PUMP SEDIMENT LADEN WATER FROM EROSION POND TO THE SEDIMENT BAG
5–TREATED WATER TO DISCHARGE TO CATCHBASIN
6–USE THE SAME METHOD FOR DEWATERING OF SEDIMENT TRAPS

DECOMMISSIONING OF TEMPORARY SEDIMENT CONTROL BASINS

1. AS DIRECTED BY THE CONSULTANT, REMOVE THE TEMPORARY HEADWALL STRUCTURE, MANHOLES, RIP RAP, FILTER FABRIC AND ANY CLEAR STONE AT THE BOTTOM OF THE TEMPORARY SEDIMENT CONTROL BASINS AND DISPOSE OFF–SITE.
2. EXCAVATE AND REMOVE ALL MATERIAL 0.60 METRE (MIN) BELOW BOTTOM OF THE TEMPORARY SWM POND OR MORE AS DIRECTED BY THE GEOTECHNICAL CONSULTANT. ALL EXCAVATED MATERIAL TO BE DISPOSED OFF–SITE.
3. ONCE THE TEMPORARY TEMPORARY SEDIMENT CONTROL BASINS HAVE BEEN REMOVED, THE LAND IS TO BE ENGINEERED FILLED. ALL FILLING IS TO BE COMPACTED TO 98% STANDARD PROCTOR DENSITY, OR AS APPROVED BY THE GEOTECHNICAL CONSULTANT.
4. IF DISCHARGING THE WATER THROUGH A FILTER BAG THE LOCATION OF THE DISCHARGE POINT MUST BE 30m AWAY FROM THE WATERCOURSE

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