

KEY PLAN TOWN OF CALEDON NTS

LEGEND

---	PROPERTY LINE
○	EXISTING CONTOUR
○	PROPOSED STORM MANHOLE
▣	PROPOSED DOUBLE CATCHBASIN
▣	PROPOSED SINGLE CATCHBASIN
---	PROPOSED TEMPORARY SEDIMENT CONTROL FENCE PER TOWN STANDARD DRAWING 304 c/w NON-WOVEN GEOTEXTILE ALIGNMENT TO BE FIELD DETERMINED

TOWN OF CALEDON
PLANNING
RECEIVED
March 18, 2022

EROSION AND SEDIMENT CONTROL NOTES

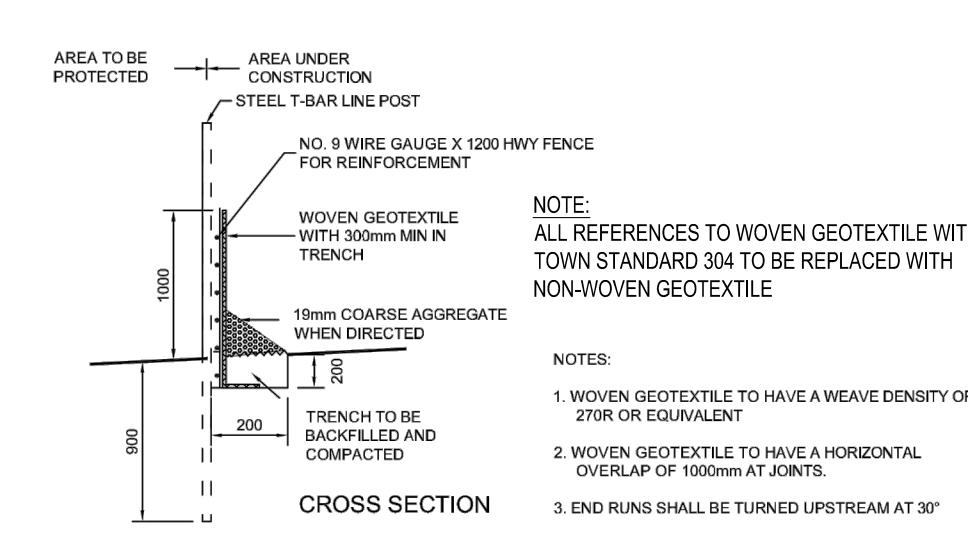
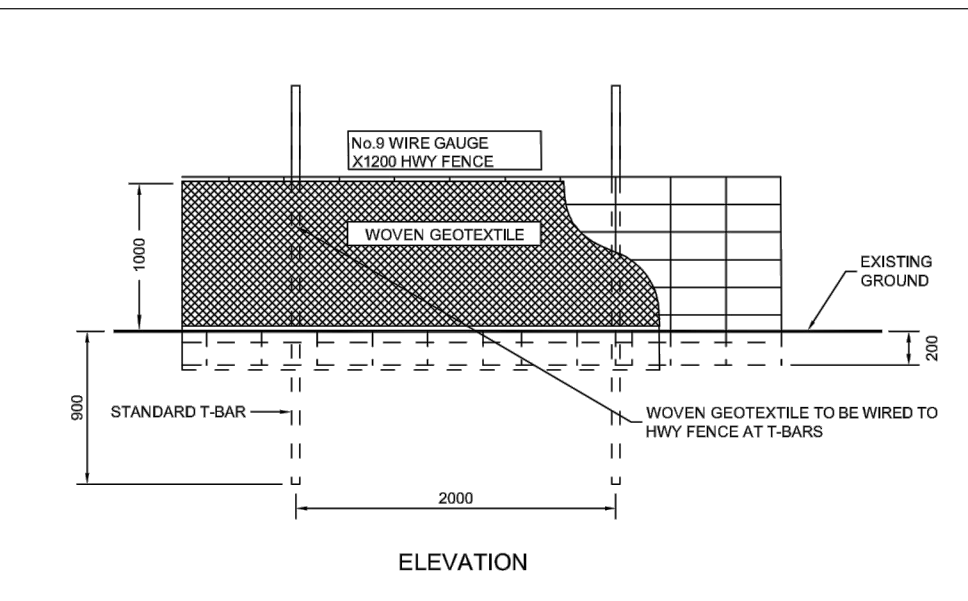
- SITE MANAGEMENT**
- A MULTIBARRIER APPROACH TO BE IMPLEMENTED FOR EROSION AND SEDIMENT CONTROL. ALL TEMPORARY EROSION AND SEDIMENT CONTROLS TO BE IN GENERAL CONFORMANCE WITH THE EROSION AND SEDIMENT CONTROL GUIDE FOR URBAN CONSTRUCTION (2019).
 - EROSION AND SEDIMENT CONTROL (ESC) MEASURES TO BE IMPLEMENTED 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. PER EROSION AND SEDIMENT CONTROL GUIDE FOR URBAN CONSTRUCTION (2019), ANY DISTURBED AREA LEFT EXPOSED FOR 30 DAYS OR GREATER ARE TO BE STABILIZED. STABILIZATION SHALL BE BY HYDROSEEDING WITH AN APPROVED SEED MIXTURE AND APPLICATION OF STRAW MULCH PER OPSS 804. REFER TO SEED MIXTURE NOTES THIS SHEET.
 - 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 SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.
 - AN 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.
 - ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, TO BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELING AND MAINTENANCE TO BE CONDUCTED A MINIMUM OF 30 METRES FROM THE WATER. ALL GRADES WITHIN THE REGULATORY FLOODPLAIN WILL BE MAINTAINED OR MATCHED.
 - ALL CONSTRUCTION VEHICLES MUST ENTER AND EXIT THE SITE ONLY FROM THE APPROVED ACCESS ROUTE AS SHOWN ON THE PLAN. CONSTRUCTION ACCESS TO BE MAINTAINED TO THE SATISFACTION OF THE TOWN. STREET SWEEPING IS REQUIRED AS NEEDED.
 - NO CONSTRUCTION ACTIVITY OF MACHINERY SHALL BE ALLOWED BEYOND THE TEMPORARY SEDIMENT CONTROL FENCE OR LIMITS OF THE SITE WORKS.
 - THE CONTRACTOR IS RESPONSIBLE TO IMPLEMENT DUST CONTROL MEASURES AND CONSTRUCTION BEST PRACTICE GUIDELINES AS APPROVED BY THE TOWN AND/OR TRCA.
 - 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 PLAIN 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.
 - 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 FOREST, 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.
 - CONTRACTOR SHALL TAKE CARE AND CONTROL SPILLS, FLUIDS AND MATERIALS DURING CONSTRUCTION TO MINIMIZE RISK TO THE ENVIRONMENT.
 - IN ORDER TO COMPLY WITH THE MIGRATORY BIRDS CONVENTION ACT, TREE REMOVALS SHOULD BE COMPLETED BETWEEN AUGUST 1 AND APRIL 1.
- ENVIRONMENTAL COMPLIANCE**
- PLEASE NOTIFY THE TRCA AT 416-861-6000 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
 - 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.
- EROSION AND SEDIMENT CONTROLS**
- TEMPORARY EROSION AND SEDIMENT CONTROLS TO BE REGULARLY INSPECTED. THE FOLLOWING MINIMUM FREQUENCY OF INSPECTION IS RECOMMENDED:
 - FOLLOWING INSTALLATION OF TEMPORARY SEDIMENT CONTROLS
 - ON A WEEKLY BASIS DURING ACTIVE CONSTRUCTION
 - MONTHLY DURING INACTIVE PERIODS (3-30 DAYS)
 - BEFORE AND AFTER SIGNIFICANT RAINFALL EVENTS
 - AFTER SIGNIFICANT SNOWMELT EVENTS
 - AFTER ANY EXTREME WEATHER WHICH COULD DAMAGE ESC MEASURES
 - DAILY DURING EXTENDED RAIN OF SNOWMELT PERIODS
 - DURING OR FOLLOWING ANY SPILL EVENT
 - BEFORE CONSTRUCTION IS SHUT DOWN FOR THE WINTER
 - AT THE END OF CONSTRUCTION BEFORE REMOVAL OF TEMPORARY CONTROLS
 - MUD MAT PER CURRENT TOWN STANDARDS TO BE INSTALLED WHERE CONSTRUCTION VEHICLES ACCESS THE SITE. MUD MAT TO BE 4.5m WIDE BY 20m LONG WITH MINIMUM 450mm THICK LAYER OF STONE OVER NON-WOVEN GEOTEXTILE. FOR THE FIRST 10m LENGTH FROM THE ROAD, MUD MAT TO BE COMPRISED OF 50mm DIAMETER CLEARSTONE. FOR THE REMAINING LENGTH, MUD MAT TO BE COMPRISED OF 150mm DIAMETER CLEARSTONE.
 - TOPSOIL AND MATERIAL STOCKPILES TO BE ENCLOSED WITH SEDIMENT CONTROL FENCE. SEDIMENT CONTROL FENCE FOR STOCKPILES TO BE TERRAFIX TERRAFENCE OR APPROVED EQUIVALENT. THE MAXIMUM SIDE SLOPE SHALL BE 2H:1V. ONCE TOPSOIL STRIPPING IS COMPLETED, THE STOCKPILE SHALL BE VEGETATED, SUBJECT TO WEATHER CONDITIONS, BY HYDROSEEDING, OR AN APPROVED EQUIVALENT, AT THE END OF CONSTRUCTION TO BE COMPLETED AFTER SITE HAS ACHIEVED AT LEAST 80% STABILIZATION AND PERMANENT VEGETATION AREAS ARE WELL-ESTABLISHED AND EFFECTIVELY PREVENTING EROSION. TIMING OF REMOVAL OF TEMPORARY SEDIMENT CONTROLS TO BE APPROVED BY TOWN STAFF.

SEED MIXTURE NOTES

MIN. 150mm TOPSOIL TO BE PLACED, FINE-GRADED AND HYDROSEEDED WITH MIX AS SUPPLIED BY ONTARIO SEED COMPANY (OR APPROVED EQUIVALENT).

8140 - NATIVE UPLAND FORAGE & MEADOW MIXTURE	35%
CANADIAN WILD RYE (<i>Elymus canadensis</i>)	5%
FOWL BLUEGRASS / FOWL MEADOWGRASS (<i>Poa palustris</i>)	10%
FOX SEDGE (<i>Carex vulpinoidea</i>)	5%
LITTLE BLUE STEM (<i>Scizachyrium scoparium</i>)	5%
SAND DROPSIDE (<i>Sporobolus cryptandrus</i>)	10%
VIRGINIA WILD RYE (<i>Elymus virginicus</i> ssp. <i>virginicus</i>)	35%

APPLIED AT THE RATE OF 22 - 25 kg/ha AND IN ACCORDANCE WITH THE SUPPLIER'S INSTRUCTIONS. WITH NURSE CROP - A NURSE CROP WITH EQUAL PARTS ANNUAL OATS (*Avena sativa*) AND CANADIAN WILD RYE (*Elymus canadensis*) APPLIED AT A RATE OF 22 kg/ha.



REVISIONS

NO.	REVISION	APRD	DATE
1	SUPPORT FENCING CHANGED TO HWY FENCE	CHD	02/02
2	NAME CHANGED, STANDARD No. 304 TO NOW 304	JUNE 08	

TOWN OF CALEDON
DRAWN: BJM SCALE: N.T.S.
STANDARD No. 304

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15/FEB/22 ISSUED FOR APPROVAL

N°	Date	Revisions	KC	KC	RJW
			Dwt.	Disg'd.	Ch'd.

AIRPORT KING INC.

Project Name: **ART + WORK**
13846 & 13940 AIRPORT ROAD
TOWN OF CALEDON

Title Name: **EROSION AND SEDIMENT CONTROL PLAN**

Drawing N°: **19-216-06** Sheet N°: **1 OF 1** Rev. N°: **0**
Scale: **1:750**