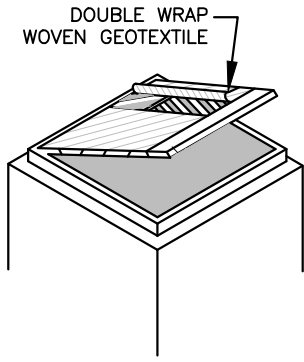


NOTE:  
AREAS OF THE SITE TO REMAIN UNSTABILIZED FOR LONGER THAN 45 DAYS WILL BE REQUIRED TO BE SEEDED.

SILT CONTROLS ARE TO BE IN PLACE PRIOR TO THE START OF SITE WORKS AND TO BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION.

ALL SILT CONTROL MEASURES TO BE IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN CONSTRUCTION DECEMBER 2006, THE GREATER GOLDEN HORSESHOE AREA CONSERVATION AUTHORITIES..



#### CATCHBASIN SEDIMENT PROTECTION

##### NOTES:

1. TO BE INSTALLED ON ALL CATCHBASINS AND MAINTAINED BETWEEN APRIL AND DECEMBER. REMOVE FOR WINTER SEASON.
2. WOVEN GEOTEXTILE TO HAVE EQUIVALENT OPENING SIZE BETWEEN 0.15mm AND 0.25mm.
3. WOVEN GEOTEXTILE TO BE REPLACED PERIODICALLY WHEN ACCUMULATED SEDIMENTS INTERFERES WITH DRAINAGE.

#### EROSION AND SEDIMENT SEQUENCING

- INSTALL CONSTRUCTION ENTRANCE MUD MAT
- INSTALL SILT FENCE AROUND THE SITE PERIMETER. SINGLE ROW SILT FENCE DETAIL AS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN ATTACHED.
- DURING THE SERVICING CONSTRUCTION, LIMIT OPEN TRENCH LENGTHS TO MINIMIZE EROSION POTENTIAL.
- DURING WORK STOPPAGES OR INCLEMENT WEATHER, PLUG ENDS OF OPEN SEWERS TO PREVENT DOWNSTREAM SEDIMENTATION
- PROVIDE CATCHBASIN SEDIMENT PROTECTION ON ALL CATCHBASIN AND CATCHBASIN MANHOLES FOR THE DURATION OF CONSTRUCTION.
- ENSURE SILT LADEN WATER FROM TRUCK WASH AREAS ARE DIRECTED TO AREAS PROTECTED BY A FILTER RING AND AT LEAST 15 METERS FROM A WATERCOURSE.
- ALL SILT LADEN WATER DURING DEWATERING OF TRENCHES TO BE DIRECTED TO AN AREA PROTECTED BY A FILTER RING OR TO A GEOTEXTILE FILTER BAG. FILTRATION TO BE A MINIMUM OF 15 METERS FROM A WATERCOURSE.
- PROVIDE DUST CONTROL DURING DRY PERIODS AS DIRECTED BY THE SITE ENGINEER OR CONSERVATION
- SWEEP EXTERNAL STREETS AS DIRECTED BY THE ENGINEER OR CONSERVATION.
- FOLLOWING BASE COURSE ASPHALT, CATCHBASINS TO BE REWRAPPED WITH GEOTEXTILE.
- PERIODIC STREET CLEANING AND CATCHBASIN CLEANOUT TO BE PERFORMED AS REQUIRED.

#### EROSION AND SEDIMENT CONTROL NOTES

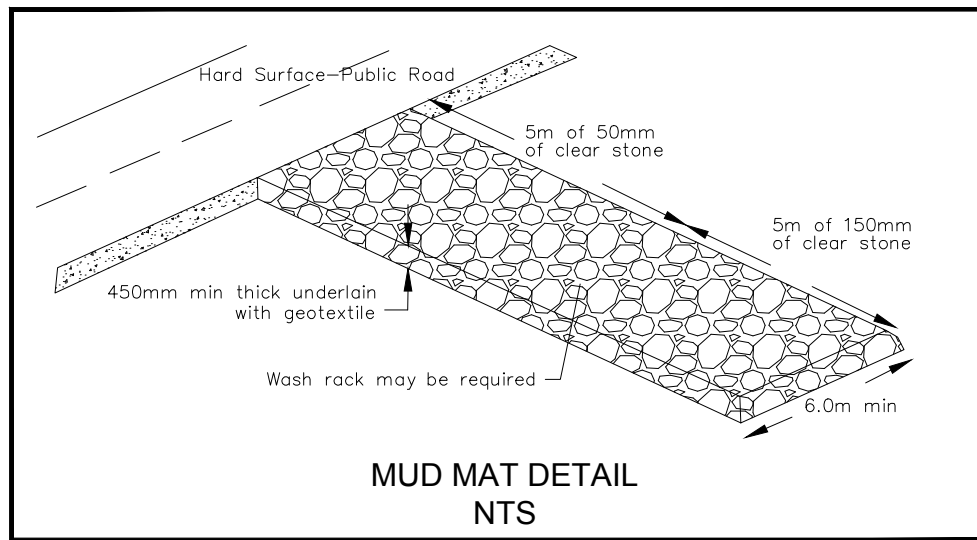
- ADOPT A MULTI-BARRIER APPROACH TO PROVIDE EROSION AND SEDIMENT CONTROL THROUGH EROSION CONTROLS FIRST.
- RETAIN EXISTING VEGETATION AND STABILIZE EXPOSED SOILS WITH VEGETATION WHERE POSSIBLE.
- LIMIT THE DURATION OF SOIL EXPOSURE AND PHASE CONSTRUCTION WHERE POSSIBLE.
- LIMIT THE SIZE OF DISTURBED AREAS BY MINIMIZING NONSENTENTIAL CLEARING AND GRADING.
- MINIMIZE SLOPE LENGTH AND GRADIENT OF DISTURBED AREAS.
- MAINTAIN OVERLAND SHEET FLOW AND AVOID CONCENTRATED FLOWS.
- STORE/STOCKPILE SOIL AWAY (E.G. GREATER THAN 15 METERS ) FROM WATERCOURSES, DRAINAGE FEATURES AND TOP OF STEEP SLOPES.
- ENSURE CONTRACTORS AND ALL INVOLVED IN THE ESC PRACTICES ARE TRAINED IN ECS PLAN, IMPLEMENTATION, INSPECTIONS, MAINTENANCE, AND REPAIRS.
- ADJUST ECS PLAN AT CONSTRUCTION SITE TO ADAPT TO SITE FEATURES, AND
- ASSESS ALL ESC PRACTICES BEFORE AND AFTER ALL RAINFALL AND SIGNIFICANT SNOWMELT EVENTS.

##### NOTES:

1. IN CASE OF ANY CONFLICT WITH ANOTHER PLAN, THIS PLAN PREVAILS ONLY IN RESPECT TO CONSTRUCTION MEASURES AND ACTIVITIES SUCH AS THE CONSTRUCTION ACCESS, SILT FENCE, SECURITY FENCING, SEDIMENT CONTROL AND MUD MATS.
2. SEDIMENT BARRIERS, CHECK DAMS, AND TEMPORARY CONSTRUCTION ACCESS TO BE INSTALLED PRIOR TO THE BEGINNING OF CONSTRUCTION.
3. ALL SEDIMENT CONTROL DEVICES TO BE ROUTINELY INSPECTED AND MAINTAINED IN PROPER WORKING ORDER UNTIL AREA IS STABILIZED.
4. IF NECESSARY, TRUCKS WILL BE WASHED DOWN BEFORE LEAVING THE SITE.
5. THE SITE WILL BE WET DOWN IF NECESSARY TO CONTROL DUST.
6. ALL CONSTRUCTION EQUIPMENT MUST BE PARKED ON-SITE.
7. ALL CONSTRUCTION ACTIVITY WILL COMPLY WITH CITY OF TORONTO NOISE BYLAW.
8. SEDIMENT CONTROL FENCE TO BE AS PER CITY OF TORONTO STANDARD T-219.130-1.
9. ALL CONSTRUCTION VEHICLES TO ENTER AND EXIT SITE FROM TEMPORARY CONSTRUCTION ACCESS.
10. ALL TOPSOIL STOCKPILES TO BE SURROUNDED WITH SEDIMENT CONTROL FENCING.
11. FILTER FABRIC TO BE PLACED UNDER GRATES ON ALL CATCHBASINS TO TRAP SEDIMENT. SILT TRAPS ARE TO BE CLEANED REGULARLY AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND THE BOULEVARDS ARE SODDED OR BACKYARDS GRADED AND SODDED. FILTER FABRIC FOR SILT CONTROL TO BE TERRA FIX 270R OR APPROVED EQUIVALENT.
12. FILTER FABRIC FOR MUD-MAT TO BE TERRA FIX 360R, OR APPROVED EQUIVALENT.
13. FILTER CLOTH WILL BE PLACED ON THE CATCHBASINS ON PUBLIC STREET ALONG THE PROPERTY'S FRONTAGE.
14. STREET SWEEPING, CATCH BASIN CLEANING AND DUST CONTROL ARE THE RESPONSIBILITY OF THE DEVELOPER AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE CITY.

##### GENERAL NOTES

1. REGARDLESS OF SIZE FOR ALL DEVELOPMENT SITES, TEMPORARY EROSION AND SEDIMENT CONTROL FOR CONSTRUCTION MUST BE PROVIDED ON-SITE.



##### NOTE:

CONTRACTOR TO CONTACT MGM CONSULTING INC. IMMEDIATELY SHOULD THERE BE ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND PROPOSED GRADING AND/OR SERVICING DESIGN, OR CONFLICTS IN CONSTRUCTING THE WORK AS PER THE INTENT OF THE APPROVED DESIGN PRIOR TO CONSTRUCTION.

##### NOTE:

1. ALL WORK TO CONFORM TO THE LATEST MUNICIPAL STANDARDS AND SPECIFICATIONS AS WELL AS THE LATEST ADOPTED ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS.
2. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER TO SATISFACTION OF THE MUNICIPALITY AND MGM CONSULTING INC.
3. CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING SERVICES AND UTILITIES PRIOR TO AND DURING CONSTRUCTION
4. CONTRACTOR TO LOCATE AND CONFIRM ALL EXISTING UTILITIES AND SERVICE INFORMATION PRIOR CONSTRUCTION
5. CONTRACTOR TO ENSURE ADEQUATE CLEARANCE FROM ALL EXISTING SERVICES AND UTILITIES
6. CONTRACTOR TO CONFIRM ALL EXISTING INVERTS PRIOR TO INTERNAL SERVICING.
7. CONTRACTOR TO CONFIRM THE PAVEMENT STRUCTURE THICKNESS' BASED ON THE GEOTECHNICAL REPORT.



ENGINEERING & CONSTRUCTION SERVICES

ACCEPTED TO BE IN ACCORDANCE WITH THE CITY OF TORONTO STANDARDS. THIS ACCEPTANCE IS NOT TO BE CONSTRUED AS VERIFICATION OF ENGINEERING CONTENT.

Manager, Development Engineering

DATE:

PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT-OF-WAY THE CONTRACTOR OR DEVELOPER OR CONSULTANT WILL OBTAIN ALL NECESSARY ROAD OCCUPANCY PERMITS FROM THE CITY'S RIGHT-OF-WAY MANAGEMENT SECTION. CONTACT 416-394-8422.



2-25 MORROW AVENUE TEL: 416-504-8998  
SUITE 202 TORONTO FAX: 416-504-6556  
CANADA M5R 2H5 [info@karonarchitects.com](mailto:info@karonarchitects.com)

##### General Notes

General Contractor must check and verify all dimensions before proceeding with the Work.  
DO NOT SCALE DRAWINGS

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##### LEGEND

- EXISTING ELEVATION
- ORIGINAL GROUND CONTOUR
- PROPOSED SILTATION FENCE
- PROPOSED SEDIMENT PROTECTION
- EXISTING CATCH BASIN
- EXISTING HYDRANT
- EXISTING WATER VALVE
- EXISTING HYDRO POLE
- EXISTING LIGHT STANDARD
- EXISTING MANHOLE

Rev#	Description	Date
01	ISSUED FOR SPA	2018.03.09

##### BENCHMARK

ELEVATIONS SHOWN ON THIS PLAN ARE RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE CITY OF TORONTO BENCH MARK No 12219740630 HAVING A PUBLISHED ELEVATION OF 114.940 METRES.

TOPOGRAPHIC SURVEY PROVIDED BY ROUSE SURVEYORS, FILE No. 13-337-00-A DATED DECEMBER 20, 2013.

EXISTING INFORMATION TAKEN FROM CITY DRAWING U-3896-001.

##### Consultants



**MGM**  
CONSULTING INC

Consulting Engineering & Project Management  
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Suite 201 Fax: (905) 875-1339  
Milton, Ontario Email: [mgm@mgm.on.ca](mailto:mgm@mgm.on.ca)  
LST 047 [www.mgm.on.ca](http://www.mgm.on.ca)

9-11 MADISON AVENUE  
TORONTO ESTONIAN  
CULTURAL CENTRE

EROSION & SEDIMENT  
CONTROL PLAN

Project Number: 2017-059

Drawing Scale: 1:100

Date: JAN. 2018

File Name: 2017-059 A1

Drawn By: BN

Reviewed By: NT



CV-1

- GENERAL NOTES**
1. ALL WORK TO CONFORM TO THE LATEST CITY OF TORONTO STANDARD DRAWINGS AND SPECIFICATIONS AS WELL AS THE LATEST ADOPTED ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS.
  2. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
  3. ALL TEMPORARY TRAFFIC CONTROL AND SIGNAGE DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT ONTARIO TRAFFIC MANUAL, BOOK 7, TEMPORARY CONDITIONS FIELD EDITION.
  4. ALL TRENCHES WITHIN EXISTING RIGHT OF WAY SHALL BE BACKFILLED WITH UNSHRINKABLE FILL. TEMPORARY REPAIRS TO UTILITY CUTS WILL BE AS PER MUNICIPAL CONSENT REQUIREMENTS, APPENDIX D, TEMPORARY REPAIRS TO UTILITY CUTS.
  5. THE CONTRACTOR SHALL RECTIFY ALL DISTURBED AREAS TO THE ORIGINAL CONDITION OR BETTER AND TO THE SATISFACTION OF THE EXECUTIVE DIRECTOR, ENGINEERING AND CONSTRUCTION SERVICES.
  6. PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL RIGHT OF WAY, THE CONTRACTOR OR DEVELOPER OR CONSULTANT WILL OBTAIN ALL NECESSARY ROAD OCCUPANCY PERMITS FROM THE CITY'S RIGHT-OF-WAY MANAGEMENT UNIT, CONTACT [NAME AND NUMBER]. CONTACT WILL DIFFER IN DIFFERENT PARTS OF THE CITY.
  7. THE LIMITS OF CONSTRUCTION WITHIN THE CITY'S RIGHT OF WAY ARE AT THE DISCRETION OF THE CITY INSPECTOR.
  8. THE BUILDING STORM AND SANITARY SYSTEMS SHALL BE DESIGNED TO BE ABLE TO OPERATE UNDER MUNICIPAL SEWER SURCHARGE CONDITIONS.
  9. BE ADVISED THAT SHOULD ANY PARTY, INCLUDING THE APPLICANT OR ANY SUBSEQUENT OWNER, APPLY FOR MORE THAN ONE CONDOMINIUM CORPORATION ENCOMPASSING ANY OR ALL OF THIS DEVELOPMENT OF MAKE AN APPLICATION THAT RESULTS IN A LAND DIVISION, STAFF MAY REQUIRE LEGAL ASSURANCES, INCLUDING BUT NOT LIMITED TO EASEMENTS, WITH RESPECT TO THE APPROVED SERVICES. SUCH ASSURANCES WILL BE DETERMINED AT THE TIME OF APPLICATION FOR CONDOMINIUM APPROVAL.

