

LEGEND:

— XXX — XXX —

HEAVY DUTY, NON-WOVEN GEOTEXTILE SEDIMENT CONTROL FENCE AS PER T-219.130-1

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OVERLAND ROUTE

TEMPORARY ROCK FLOW CHECK DAM AS PER OPSD 219.210

AREA OF DISTURBANCE

**RAVINE & NATURAL FEATURE PROTECTION BY-LAW

THE RAVINE & NATURAL FEATURE PROTECTION BY-LAW, CHAPTER 658 OF THE CITY OF TORONTO MUNICIPAL CODE REGULATES THE INJURY AND DESTRUCTION OF TREES, DUMPING OF REFUSE AND CHANGES TO GRADE WITHIN PROTECTED AREAS DEFINED IN SCHEDULE A.

UNDER THIS BY-LAW PROTECTED TREES MAY NOT BE REMOVED, INJURED OR DESTROYED, AND PROTECTED GRADES MAY NOT BE ALTERED, WITHOUT WRITTEN AUTHORIZATION FROM URBAN FORESTRY RAVINE & NATURAL FEATURE PROTECTION, ON BEHALF OF THE GENERAL MANAGER OF PARKS, FORESTRY & RECREATION.

CONVICTIONS OF OFFENCES RESPECTING THE REGULATIONS IN THE RAVINE & NATURAL FEATURE PROTECTION BY-LAW ARE SUBJECT TO FINES, AND THE LANDOWNER MAY BE ORDERED BY THE COURT TO RESTORE THE AREA TO THE SATISFACTION OF THE CITY. A PERSON CONVICTED OF AN OFFENCE UNDER THIS BY-LAW IS LIABLE TO A MINIMUM FINE OF \$500 AND A MAXIMUM FINE OF \$100,000 FOR EACH TREE DESTROYED, A MAXIMUM FINE OF \$100,000 FOR ANY OTHER OFFENCE COMMITTED UNDER THIS CHAPTER, AND/OR A SPECIAL FINE OF \$100,000. A PERSON CONVICTED OF A CONTINUING OFFENCE, INCLUDING FAILURE TO COMPLY WITH RAVINE PERMIT CONDITIONS IS LIABLE TO A MAXIMUM FINE OF NOT MORE THAN \$10,000 FOR EACH DAY OR PART OF A DAY THAT THE OFFENCE CONTINUES. RNFP 0608

EROSION AND SEDIMENT CONTROL:

- SEDIMENT BARRIERS AND TEMPORARY CONSTRUCTION ACCESS TO BE INSTALLED PRIOR TO THE BEGINNING OF CONSTRUCTION.
- ALL SEDIMENT CONTROL DEVICES TO BE ROUTINELY INSPECTED AND MAINTAINED IN PROPER WORKING ORDER UNTIL AREA IS STABILIZED.
- IF NECESSARY, TRUCKS MUST BE WASHED DOWN BEFORE LEAVING THE SITE.
- THE SITE MUST BE WET DOWN IF NECESSARY TO CONTROL DUST.
- ALL CONSTRUCTION EQUIPMENT MUST BE PARKED ON-SITE.
- ALL CONSTRUCTION ACTIVITY WILL COMPLY WITH CITY OF TORONTO NOISE BYLAW.
- SEDIMENT CONTROL FENCE TO BE AS PER CITY OF TORONTO STANDARD T-219.130-1.
- ALL TOPSOIL STOCKPILES TO BE SURROUNDED WITH SEDIMENT CONTROL FENCING.
- 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 CONSTRUCTION IS COMPLETE. FILTER FABRIC FOR SILT CONTROL TO BE TERRA FIX 270R OR APPROVED EQUIVALENT.
- FILTER CLOTH WILL BE PLACED ON THE CATCHBASINS ON PUBLIC STREET ACROSS THE PROPERTY'S FRONTAGE.
- STREET SWEEPING, CATCHBASIN CLEANING AND DUST CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE CITY.
- EROSION AND SEDIMENT CONTROL (ESC) MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING CONSTRUCTION PHASES, TO PREVENT ENTRY OF SEDIMENT INTO THE WATER. ALL DAMAGED EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE REPAIRED OR REPLACED WITHIN 48 HOURS OF INSPECTION OR BOTH.
- ALL DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES.
- 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 AREA. IF THE PRESCRIBED MEASURES ON THE PLANS ARE NOT EFFECTIVE IN PREVENTING THE RELEASE OF A DELETERIOUS SUBSTANCE, THEN ALTERNATIVE MEASURES MUST BE IMPLEMENTED IMMEDIATELY TO MINIMIZE POTENTIAL ECOLOGICAL IMPACTS AND A TORONTO REGION CONSERVATION AUTHORITY ENFORCEMENT OFFICE SHOULD BE IMMEDIATELY CONTACTED. ADDITIONAL ESC MEASURES TO BE KEPT ON SITE AND USED AS NECESSARY.

TRCA STANDARDS NOTES:

SECTION 1: SITE MANAGEMENT

- 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.
- DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES.
- ALL IN-WATER AND NEAR WATER WORKS WILL BE CONDUCTED IN THE DRY WITH APPROPRIATE EROSION AND SEDIMENT CONTROLS.
- 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 WILL 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- OR NEAR- WATER WORKS. SHOULD CONCERNS ARISE ON SITE THE ENVIRONMENTAL MONITOR WILL CONTACT THE TRCA ENFORCEMENT OFFICER AS WELL AS THE PROPONENT.
- ALL ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED TO PREVENT THE ENTRY OF PETROLEUM PRODUCTS, DEBRIS, RUBBLE, CONCRETE OR OTHER DELETERIOUS SUBSTANCES INTO THE WATER. VEHICULAR REFUELING AND MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 30 METRES FROM THE WATER.
- ALL GRADES WITHIN THE REGULATORY FLOOD PLAIN WILL BE MAINTAINED OR MATCHED.
- THE PROPONENT/CONTRACTOR SHALL MONITOR THE WEATHER SEVERAL DAYS IN ADVANCE OF THE ONSET OF THE PROJECT TO ENSURE THAT THE WORKS WILL BE CONDUCTED DURING FAVOURABLE WEATHER CONDITIONS. SHOULD AN UNEXPECTED STORM ARISE, THE CONTRACTOR WILL 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.
- ALL ACCESS TO THE WORK SITE SHALL BE FROM EITHER SIDE OF THE WATERCOURSE. NO EQUIPMENT OR VEHICLES ARE PERMITTED TO CROSS THROUGH THE WATERCOURSE UNLESS APPROVED BY TRCA.

SECTION 2: CONSTRUCTION TIMING

- IN ORDER TO COMPLY WITH THE MIGRATORY BIRDS CONVECTION ACT, TRCA RECOMMENDS THAT TREE REMOVALS BE COMPLETED BETWEEN AUGUST 1 AND APRIL 1.
- 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].

SECTION 4: ENVIRONMENTAL COMPLIANCE

- PLEASE NOTIFY TRCA ENFORCEMENT OFFICER (MICHAEL BRESTANSKY T:(437) 880-2295) AND TRCA PROJECT MANAGER (HEATHER RODRIGUEZ T: (437) 880-2415) 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
- AN ENVIRONMENTAL MONITOR WILL 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.

T-BAR 2 m HEIGHT AT O.C. 2 m
ERECTED AND MAINTAINED UNTIL
ALL CONSTRUCTION IS COMPLETED

AREA TO BE PROTECTED

AREA UNDER CONSTRUCTION

SITE FENCE

GLASS I NON-WOVEN
GEOTEXTILE FABRIC TIED
TO SITE FENCE

VARIES

600 MIN.

150 MIN.

1.2 m

300 MIN.

TOP OF BANK

WATER COURSE

SLOPE

EXISTING GROUND

TRENCH TO BE BACKFILLED
AND COMPACTED

CLASS I NON-WOVEN
GEOTEXTILE FABRIC
TIED TO SITE FENCE

T-BAR

CLEAR STONE

150 MIN.

300

FROZEN CONDITION

NOTES:
1. MATERIALS REMOVED FROM TRENCH SHALL BE REPLACED ON TOP OF HORIZONTAL PORTION OF FILTER CLOTH.
2. FILTER CLOTH SHALL BE HORIZONTALLY OVERLAPPED 500 mm.
3. SILT FENCE INSTALLATION WORK SHALL AVOID THE DESTRUCTION OF EXISTING WOODY VEGETATION (EG. SHRUBS AND TREES) OTHER THAN THOSE SPECIES WHICH MAY HAVE BEEN APPROVED FOR REMOVAL.

All dimensions are in millimetres unless otherwise shown.

ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING

REV 1

NOV 2014

SEDIMENT CONTROL FENCE

T-219.130-1

NTS

SHEET 1

Direction of flow

Anchor trench

Limits of geotextile

Spillway

PLAN

SPILLWAY

Ditch slope

300mm min.

300mm min.

Spillway

150

450

100

Geotextile

SECTION A-A

700

450

150

Rock

4H-TV

1.5m TV

Spillway

Geotextile

Direction of flow

Trench shall be backfilled and compacted

300mm min of geotextile in trench

200

SECTION B-B

NOTE:
A All dimensions are in millimetres unless otherwise shown.

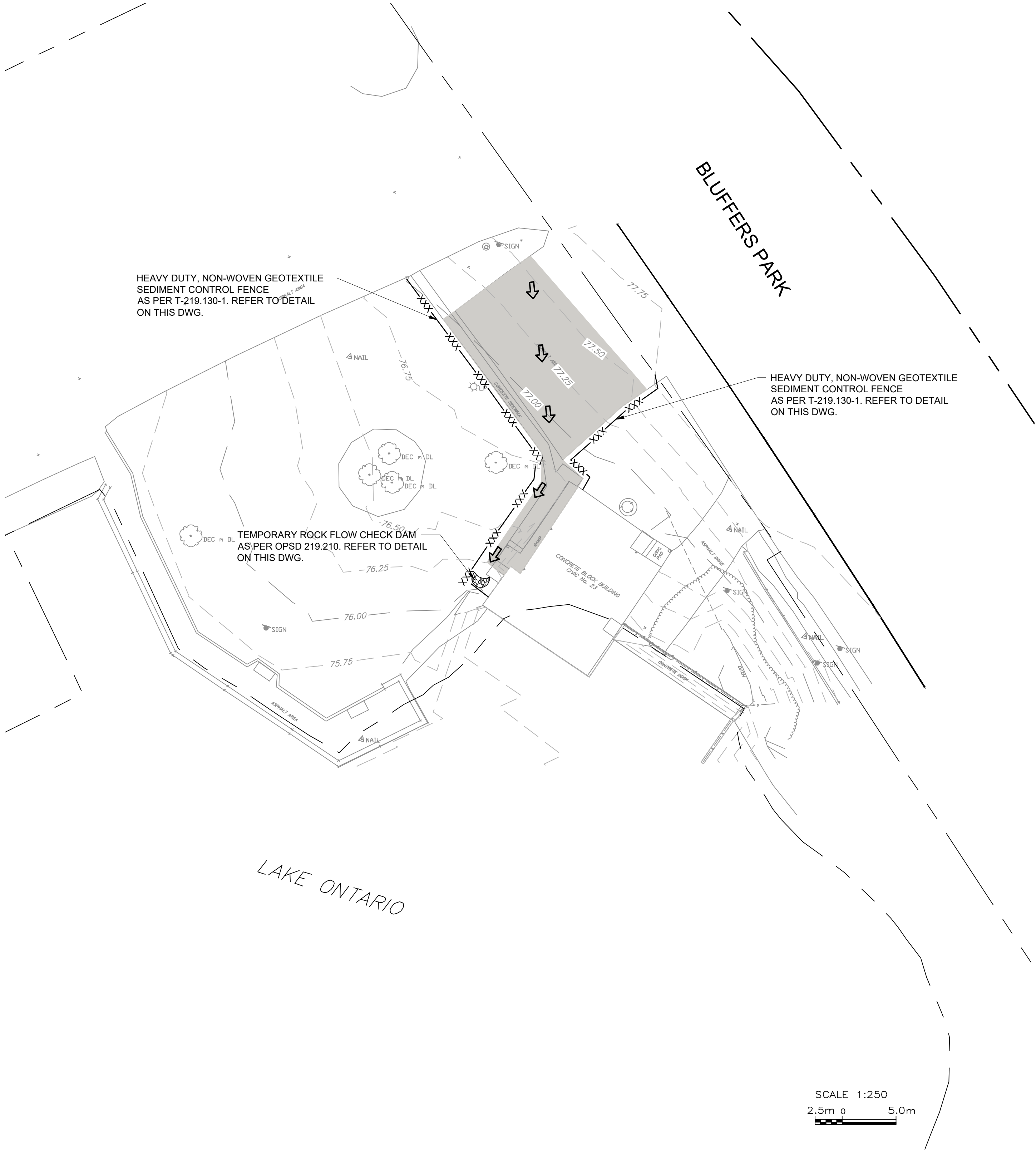
ONTARIO PROVINCIAL STANDARD DRAWING

Nov 2015

Rev 2

TEMPORARY
ROCK FLOW CHECK DAM
V-DITCH

OPSD 219.210



CLIENT

CITY OF TORONTO

Corporate Real Estate Management
Project Management Office
Metro Hall Toronto, ON
M5V 3C6

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ISSUES

No.	DESCRIPTION	DATE
A	ISSUE FOR TENDER	2022-11-01

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SEAL

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PROJECT TITLE

CITY OF TORONTO
ACCESSIBILITY UPGRADES

PROJECT ADDRESS

POLICE MARINE
SUB-STATION NO. 1 -
BLUFFERS PARK
23 BLUFFERS PARK (7 BRIMLEY RD S)

PROJECT NO:
9119-19-0162 / IBI 122260

DRAWN BY:
P. GUTIERREZ

CHECKED BY:
B. MEDFORD

PROJECT MGR:
F. BOLOURIAN

APPROVED BY:
B. MEDFORD

SHEET TITLE

EROSION & SEDIMENTATION
CONTROL PLAN

SHEET NUMBER

G05-086-C101

ISSUE

A

