

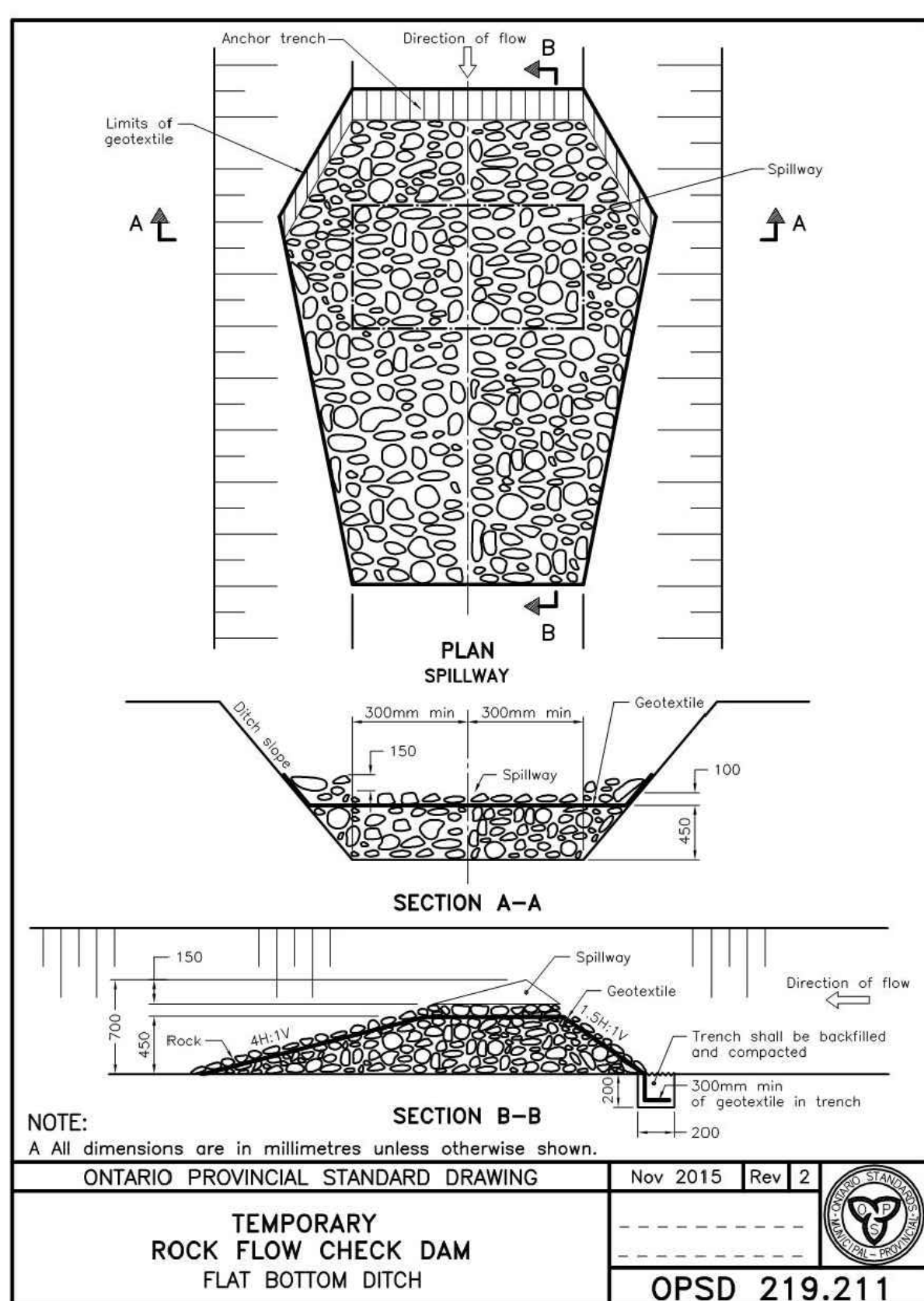
+118.02	EXISTING ELEVATION
X[120.00]EX	EXISTING ELEVATION
X[120.00]	PROPOSED ELEVATION
X[120.00]TC	PROPOSED TOP OF CURB ELEVATION
X[120.00]TW	PROPOSED TOP OF WALL ELEVATION
X[120.00]BW	PROPOSED BOTTOM OF WALL ELEVATION
X[120.00]SW	PROPOSED SWALE ELEVATION

1. BE ADVISED THAT THE CREDIT VALLEY CONSERVATION AUTHORITY MAY, AT ANY TIME, WITHDRAW THIS PERMISSION, IF, IN THE OPINION OF THE AUTHORITY, THE CONDITIONS OF THE PERMIT ARE NOT BEING COMPLIED WITH. THIS WITHDRAWAL DOES NOT IMPAIR THE PROPERTY OWNER/APPLICANT/AGENT FROM THE PROVISIONS OF ANY OTHER FEDERAL, PROVINCIAL OR MUNICIPAL STATUTES, REGULATIONS OR BY-LAWS, OR UNDER COMMON LAW.
2. FOLLOWING INSTALLATION OF THE PROPOSED ESC MEASURES, A QUALIFIED AGENT OF THE PROPONENT, PREFERABLY AN ENVIRONMENTAL MONITOR, WILL CONDUCT VISUAL MONITORING OF THE ESC MEASURES, PARTICULARLY THE CONDITION OF THE ESC MEASURES, DEWATERING, AND IN- OR NEAR-WATER WORKS. SHOULD CONCERNS ARISE, THE ENVIRONMENTAL MONITOR WILL CONTACT THE LANDOWNER, CVC, AND ANY OTHER APPROPRIATE PARTIES.
3. ALL CONSTRUCTION ACTIVITIES, INCLUDING MAINTENANCE PROCEDURES, WILL BE CONTROLLED BY THE ENTRY OF THE PROPOSED SEDIMENT CONTROL MEASURES TO THE WATERCOURSE OR WETLAND. EQUIPMENT MAINTENANCE WILL BE CONDUCTED A MINIMUM OF 50 METRES FROM THE WATERCOURSE/WETLAND.
4. SEDIMENT LADEN RUNOFF FROM DISTURBED AREAS TO WATERCOURSE OR NATURAL FEATURE IS NOT ALLOWED. ALL DRAINAGE WATER MUST BE TREATED AND THEN RELEASED XX METRES FROM WATERCOURSE OR WETLAND. DISCHARGE IS TO BE RELEASED TO AN UNDISTURBED NATURAL AREA. THESE CONTROL MEASURES SHALL BE MONITORED AND MAINTAINED OR REVISED TO ENSURE WATER QUALITY TARGETS ARE BEING ACHIEVED.
5. PLEASE REFER TO ESC GUIDELINE FOR URBAN CONSTRUCTION (OR CORRESPONDING FOR THE DESIGN AND DESIGN ALTERATION OF ESC MEASURES).
6. ESC MEASURES WILL BE IMPLEMENTED PRIOR TO, AND MAINTAINED DURING THE CONSTRUCTION PHASES, TO PREVENT EROSION AND SEDIMENTATION OF THE WATERCOURSE/NATURAL AREAS. ESC MEASURES ARE TO BE EVALUATED ON A WEEKLY BASIS AND AFTER ANY STORM EVENT. ANY REPAIRS REQUIRED ARE TO BE COMPLETED IMMEDIATELY.
7. THE EROSION AND SEDIMENT CONTROL (ESC) PLAN IS A DYNAMIC DOCUMENT, WHICH MAY BE SUBJECT TO CHANGE OR MODIFICATIONS AS A RESULT OF SITE DEVELOPMENT OR CHANGES ON SITE. ANY DEVIATION FROM APPROVED PLAN MUST BE DESIGNED BY A QUALIFIED PROFESSIONAL.
8. ADDITIONAL ESC MATERIALS (I.E. SILT FENCE, FILTER SOCKS, STRAW BALES, CLEAR STONES, ETC.) ARE TO BE PROVIDED BY THE PROPONENT.
9. THE PROJECT PROPONENT OR THEIR REPRESENTATIVE IS ULTIMATELY RESPONSIBLE FOR CONTROLLING SEDIMENT AND EROSION WITHIN THE CONSTRUCTION SITE FOR THE DURATION OF THE CONSTRUCTION PERIOD.
10. DISTURBED AREAS WILL BE MINIMIZED TO THE EXTENT POSSIBLE, AND TEMPORARILY OR PERMANENTLY STABILIZED OR RESTORED AS THE WORK PROGRESSES. DISTURBED AREAS SHALL BE STABILIZED WITHIN MORE THAN 30 DAYS SHALL BE STABILIZED USING APPROPRIATE EROSION CONTROL MEASURES AND AN APPROPRIATE NATIVE NON-INVASIVE SEED MIX OR WITH THE FINAL TOPSOIL RESTORATION.
11. ANY SEDIMENT SPILL FROM THE SITE SHOULD BE REPORTED TO MINISTRY OF ENVIRONMENT (SPILL ACTION CENTER) AT 1-800-268-6060.
12. FOR AGGRESSIVE SILT CONTROL, THE PROPONENT SHALL CONSTRUCT ACTIVITIES, THE ONSITE SUPERVISOR/INSPECTOR AND/OR CVC RESERVE THE RIGHT TO REQUEST ADDITIONAL ESC MEASURES WHICH WILL BE INSTALLED PRIOR TO FURTHER CONSTRUCTION ACTIVITIES.

- DECOMMISSIONING NOTES:
 - ONCE SITE WORKS HAVE BEEN SUBSTANTIALLY STABILIZED, THE TEMPORARY SEDIMENT BASINS MAY BE DECOMMISSIONED.
 - THE ESC BASIN ARE TO BE PUMPED THROUGH ENVIROBAGS UNTIL EMPTY. ENVIROBAGS TO BE LOCATED A MINIMUM OF 30m FROM ANY CREEK/WETLAND AND IN WELL VEGETATED AREA.
 - SEDIMENT AND DEBRIS TO BE REMOVED FROM THE BOTTOM OF THE ESC BASINS.
 - ESC BASIN TO BE FILLED TO REQUIRED PRE-GRADE, FILL MATERIAL AND COMPACTION TO BE COMPLETED TO THE SATISFACTION OF GEOTECHNICAL RECOMMENDATIONS.

- ALL IN-WATER AND NEAR WATER WORKS ARE TO BE COMPLETED BETWEEN JULY TO MARCH 31.

- PROVIDE TEMPORARY STABILIZATION FOR AREAS THAT ARE BEING DISTURBED
- PROVIDE PROTECTIVE EROSION CONTROL SWALES TO BE EFFECTIVELY STABILIZED WITH VEGETATION PRIOR TO RECEIVING ANY WATER FLOWS TO PREVENT SOIL EROSION. TEMP SEEDING TO CONSIST OF ANNUAL RYE GRASS, 25 kg/ha. ALTERNATE MATS ARE TO BE PROVIDED OUTSIDE OF GROWING SEASON, SUCH AS EROSION CONTROL BLANKETS.
- SITE TO BE STABILIZED BEFORE RECEIVING FLOWS
- MEDIATE ANNUAL SEEDING TO BE APPLIED TO VEGETATE ANY DISTURBED SURFACE THAT IS TO BE LEFT EXPOSED FOR IMMEDIATELY AS THE WORK PROGRESSES AND FOR AREAS THAT ARE AT FINAL GRADE.
- FOR LOWER HALF OF THE OPSOL PILES SHALL BE IMMEDIATELY STABILIZED USING GROUND COVER VEGETATION WITH A NON-INVASIVE SPECIES, IE: SEEDED COMPOST OR SEEDED BIODEGRADABLE MATS. TEMP SEEDING MIX TO CONSIST OF ANNUAL RYE GRASS, 25 kg/ha, OR, EROSION AND SEDIMENT CONTROL BLANKETS



CATCHBASIN SEDIMENT TRAP
DETAIL 1

"CUT & FILL" WORKS :

STAGE 1: SEDIMENT AND

STAGE 1: SEDIMENT AND EROSION CONTROL WORKS

1. INSTALL CONSTRUCTION ACCESS/STONE MUD MAT AT WINSTON CHURCHILL BOULEVARD AS SHOWN ON PLAN ESC-1.
2. INSTALL PERIMETER SILT FENCES AS SHOWN ON PLAN ESC-1 AND ESC-2.
3. INSTALL THE TEMPORARY EROSION AND SEDIMENT POND AS PER DETAIL ON PLAN ESC-1.

STAGE 2: EARTHWORKS

4. COMPLETE SITE CLEARING (CLEARING AND GRUBBING). TREE REMOVALS WITHIN THE OCTOBER 1ST TO MARCH 30TH TIMING WINDOW.
5. STRIP TOPSOIL AND STOCKPILE.
6. COMPLETE 'CUT & FILL' WORKS.
7. CONSTRUCT THE TEMPORARY INTERCEPTOR SWALES AND SWM OUTLET TO DITCH ON WINSTON CHURCHILL BOULEVARD.
8. STABILIZE AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE IMMEDIATELY AS WORK PROGRESSES.

SEDIMENT AND EROSION CONTROL GENERAL NOTES:

1. CONTRACTOR/OWNER TO COMPLY WITH SEDIMENT AND EROSION CONTROL BY-law #46-2019
2. CONTRACTOR/OWNER TO COMPLY WITH MUD TRACKING BY-LAW #69-2002.
3. BEFORE PROCEEDING ANY AREA GRADING THE FOLLOWING MUST BE CONSTRUCTED:
 - A. MUD MAT WHERE INDICATED,
 - B. TEMPORARY SWALES WITH ROCK FLOW CHECK DAMS,
 - C. SILT FENCE WHERE INDICATED
 - D. TREE PRESERVATION
 - E. TEMPORARY POND AS SHOWN ON DRAWING, WITH TURBIDITY CURTAIN,
 - F. SILT TRAPS

4. SILT CONTROL FENCE SHOULD BE INSTALLED AROUND PERIMETER OFFSET 0.60m INSIDE THE PROPERTY OF THE SITE AND MAINTAINED UNTIL THE COMPLETION OF LANDSCAPING.
5. CATCHBASIN SILT TRAPS ARE TO BE INSTALLED AT ALL CATCHBASINS AND CATCHBASIN MANHOLE LOCATIONS UPON COMPLETION OF ADJACENT ROADS.
6. ACCUMULATED SILT TO BE REMOVED OFF SITE PRIOR TO REMOVAL OF THE SILT CONTROL FENCE.
7. CONTRACTOR TO INSTALL AND MAINTAIN MUD MAT AT CONSTRUCTION ACCESS IN ORDER TO PREVENT MUD TRACKING ON ADJACENT ROADS. MUD MAT TO BE A MINIMUM 20.0m LONG AND 1.0m WIDE AND SHALL CONSIST OF 100mm CLEAR STONE AND 400 mm DEEP.

8. CONTRACTORS TO CLEAN ADJACENT ROADS ON A
REGULAR BASIS TO THE SATISFACTION OF THE TOWN OF
OKLAHIE OR HALTON REGION, WHICHEVER IS APPLICABLE.
9. SEDIMENT CONTROL MEASURES SHALL BE REQUIRED IF
REQUIRED OR AS DIRECTED BY THE TOWN OR REGION
9. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST
BE MAINTAINED THROUGHOUT CONSTRUCTION PERIODS
EVENTS FOR RIPS AND TEARS, BROKEN STAKES, BLOW
OUTS (STRUCTURAL FAILURE) AND ACCUMULATION OF
SEDIMENT SHALL BE IMMEDIATELY REMOVED AND
REPLACED IMMEDIATELY WHEN DAMAGED. SEDIMENT MUST
BE REMOVED FROM SILT FENCE WHEN ACCUMULATION
REACHES ONE THIRD OF THE MAXIMUM HEIGHT.
10. THE OWNER WILL SEED, MULCH AND MAINTAIN THE
ENTIRE SITE IF A BUILDING PERMIT IS NOT ISSUED.
11. DISTURBED AREAS SHALL BE REVEGETATED AND
STABILIZE AREAS THAT HAVE BEEN DISTURBED AND OUR
OTHERWISE UNFINISHED.
12. THE TOWN OF OKLAHIE OR HALTON REGION HAS THE
RIGHT OF LANDSCAPING ALL SEDIMENT
AND EROSION CONTROL MEASURES SHALL BE REMOVED.
BEYOND 10% CONSTRUCTION ACTIVITY OR MACHINERY SHALL BE
REMOVED.
13. ALL TOPSOIL STOCKPILES SHALL BE SURROUNDED WITH
A SEDIMENT CONTROL FENCE.
14. WHEELWASHERS SHALL BE CLEANED TO REMOVE
SEDIMENT FROM TIRTS BEFORE ENTERING PUBLIC ROADS. WHEN
WASHING IS REQUIRED IT SHALL BE DONE ON AN AREA
STABILIZED WITH STONE AND WHICH DRAINS INTO AN

EROSION AND SEDIMENT CONTROL – SUPPLEMENTARY NOTES

A. ESC PLAN IS A DYNAMIC DOCUMENT, WHICH MAY BE SUBJECT TO CHANGE OR MODIFICATION AS A RESULT OF SITE DEVELOPMENTS OR CHANGES ON SITE.

B. SEDIMENT LADEN WATERS ARE TO BE TREATED PRIOR TO DISCHARGING INTO THE DITCH.

C. NO PUMPING OF SEDIMENT LADEN RUNOFF FROM TEMPORARY POND(S) TO THE DITCH IS ALLOWED AT ANY TIME.

D. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE EVALUATED BY A QUALIFIED PERSON AS DETERMINED BY THE TOWN AND CREDIT VALLEY.

E. CONSERVATION, ON A WEEKLY BASIS AND AFTER ANY STORM EVENT, ANY REPAIRS REQUIRED ARE TO BE RECTIFIED IMMEDIATELY.

F. ADDITIONAL EROSION AND SEDIMENT CONTROL MATERIALS (IE SILT FENCE, LOG BALES, CLEAR STONES...ETC.) ARE TO BE KEPT ON SITE FOR EMERGENCIES AND REPAIRS.

G. AN AFTER HOURS CONTACT NUMBER IS TO BE VISIBLY POSTED ON-SITE FOR EMERGENCIES.

H. ANY SEDIMENT SPILL FROM THE SITE SHOULD BE REPORTED TO MINISTRY OF ENVIRONMENT (SPILL ACTION CENTER) AT 1-800-268-6060.

I. SHOULD THERE BE CONTINUOUS PUMPING REQUIRED, AN AFTER HOURS TECHNICIAN IS TO BE ASSIGNED TO ENSURE THAT THE TREATMENT SYSTEM (PUMPING EQUIPMENT, DIVERSION, SETTLEMENT PONDS...ETC) IS FUNCTIONING PROPERLY.