# **EROSION AND SEDIMENT CONTROL**

\*\* CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION. MONITORING, REPAIR AND REMOVAL OF ALL EROSION AND SEDIMENT CONTROL FEATURES \*\*

### 1. PRIOR TO START OF CONSTRUCTION:

- 1.1. PRIOR TO THE REMOVAL OF ANY VEGETATIVE COVER, MOVING OF ANY SOIL, AND CONSTRUCTION: 1.1.1. INSTALL SILT FENCE IMMEDIATELY DOWNSTREAM FROM AREAS TO BE DISTURBED (SEE PLAN FOR
- LOCATION). 1.1.2. INSTALL GEOSOCK INSERTS WITH AN OVERFLOW IN ALL THE DOWNSTREAM CATCH BASINS AND MANHOLES. 1.1.3. INSTALL SILTSACK FILTERS IN ALL CONCRETE CATCH
- BASIN STRUCTURES. 1.1.4. INSPECT MEASURES IMMEDIATELY AFTER INSTALLATION.

# 2. DURING CONSTRUCTION:

- 2.1. WORK TO BE DONE IN THE VICINITY OF MAJOR WATERWAYS TO BE CARRIED OUT FROM JULY TO SEPTEMBER ONLY
- 2.2. MINIMIZE THE EXTENT OF DISTURBED AREAS AND THE DURATION OF EXPOSURE
- 2.3. PROTECT DISTURBED AREAS FROM RUNOFF. 2.4. PROVIDE TEMPORARY COVER SUCH AS SEEDING OR
- MULCHING IF DISTURBED AREA WILL NOT BE REHABILIATED WITHIN 30 DAYS. 2.5. INSPECT SILT FENCE, FILTER CLOTHS, AND CATCH BASIN
- SUMPS WEEKLY AND AFTER EVERY MAJOR STORM EVENT. CLEAN AND REPAIR WHEN NECESSARY
- 2.6. PLAN TO BE REVIEWED AND REVISED AS REQUIRED DURING CONSTRUCTION. 2.7. EROSION CONTROL FENCING TO BE ALSO INSTALLED
- AROUND THE BASE OF ALL STOCKPILES. 2.8. DO NOT LOCATE TOPSOIL PILES AND EXCAVATION MATERIAL CLOSER THAN 2.5m FROM ANY PAVED SURFACE, OR ONE WHICH IS TO BE PAVED BEFORE PILE IS REMOVED. ALL TOPSOIL PILES ARE TO BE SEEDED IF THEY ARE TO REMAIN ON SITE LONG ENOUGH FOR SEEDS TO GROW (30 DAYS).

- 2.9. CONTROL WIND-BLOWN DUST OFF SITE TO ACCEPTABLE LEVELS BY SEEDING TOPSOIL PILES AND OTHER AREAS
- TEMPORARILY (PROVIDE WATERING AS REQUIRED). 2.10. ALL EROSION CONTROL STRUCTURE TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
- 2.11. NO ALTERNATE METHODS OF EROSION PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THIS CONSULTING ENGINEER AND THE CITY DEPARTMENT OF PUBLIC WORKS. "TO PREVENT UNNECESSARY SEDIMENT DISCHARGE, THE CONTRACTOR IS PERMITTED TO PLACE ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES IN A TIMELY MANNER, IF REQUIRED. THE CONTRACTOR TO ADVISE CONSULTANT ONCE INSTALLED FOR INSPECTION."
- 2.12. CONTRACTOR RESPONSIBLE FOR CITY ROADWAY AND SIDEWALK TO BE CLEANED OF ALL SEDIMENT FROM VEHICULAR TRACKING ETC, AT THE END OF EACH WORK
- 2.13. PROVIDE GRAVEL ENTRANCE WHEREVER EQUIPMENT LEAVES THE SITE TO PREVENT MUD TRACKING ONTO PAVED SURFACES. GRAVEL BED SHALL BE A MINIMUM OF 15m LONG. 4m WIDE AND 0.3m DEEP AND SHALL CONSIST OF COARSE (50mm CRUSHER-RUN LIMESTONE). MAINTAIN GRAVEL ENTRANCE IN CLEAN CONDITION.
- 2.14. DURING WET CONDITIONS, TIRES OF ALL VEHICLES/EQUIPMENT LEAVING THE SITE ARE TO BE SCRAPED
- 2.15. ANY MUD/MATERIAL TRACKED ONTO THE ROAD SHALL BE REMOVED IMMEDIATELY BY HAND OR RUBBER TIRE LOADER. 2.16. TAKE ALL NECESSARY STEPS TO PREVENT BUILDING MATERIAL, CONSTRUCTION DEBRIS OR WASTE BEING SPILLED OR TRACKED ONTO ABUTTING PROPERTIES OR

PUBLIC STREETS DURING CONSTRUCTION AND PROCEED

IMMEDIATELY TO CLEAN UP ANY AREAS SO AFFECTED.

#### 3. AFTER CONSTRUCTION:

- 3.1. PROVIDE PERMANENT COVER CONSISTING OF TOPSOIL AND SEED TO DISTURBED AREA.
- 3.2. REMOVE STRAW BALE FLOW CHECK DAMS, SILT FENCES AND FILTER CLOTHS ON CATCH BASINS AND MANHOLE COVERS AFTER DISTURBED AREAS HAVE BEEN REHABILITATED AND STABILIZED.
- 3.3. INSPECT AND CLEAN CATCH BASIN SUMPS AND STORM SEWERS.

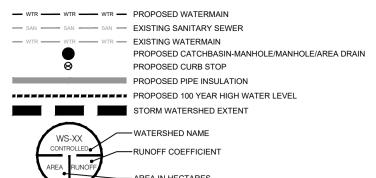
## LEGEND:

EXISTING PROPERTY LINE TO REMAIN ×50.00 PROPOSED ELEVATION ×50.00 (SW) SWALE ELEVATION ×50.00 (BW) PROPOSED BOTTOM OF WALL ELEVATION ×50.00 (TW) PROPOSED TOP OF WALL ELEVATION ×50.00 (BC) PROPOSED BOTTOM OF CURB ELEVATION ×50.00 (TC) PROPOSED TOP OF CURB ELEVATION PROPOSED ELEVATION MATCH INTO ×50.00 (ME) EXISTING ELEVATION

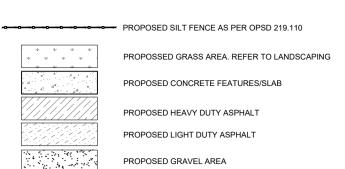
- SAN - SAN - PROPOSED SANITARY SEWER

EX. GROUND

× 70.19 EXISTING ELEVATION →S →S →S → PROPOSED 200mmØ PERFORATED SURDRAIN - STM - STM - PROPOSED STORM SEWER

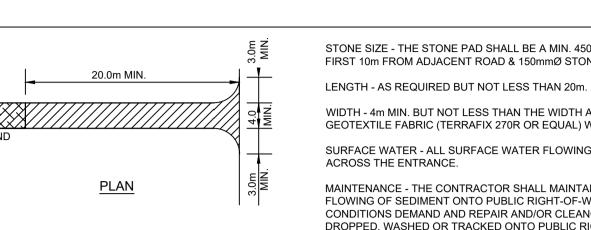


PROPOSED CONCRETE RETAINING WALL



PROPOSED WATER METER

PROPOSED RIP RAP AS PER OPSD 810.010



→ GEOTEXTILE FABRIC

STONE SIZE - THE STONE PAD SHALL BE A MIN. 450mm THICK. USE 500mm STONE OR RECLAIMED CONCRETE EQUIVALENT FOR FIRST 10m FROM ADJACENT ROAD & 150mmØ STONE. FOR REMAINDER OF STONE PAD.

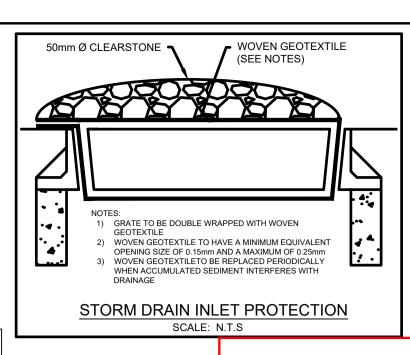
WIDTH - 4m MIN. BUT NOT LESS THAN THE WIDTH AT POINTS WHERE INGRESS. AND EGRESS OCCURS. GEOTEXTILE FABRIC (TERRAFIX 270R OR EQUAL) WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIRECTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED

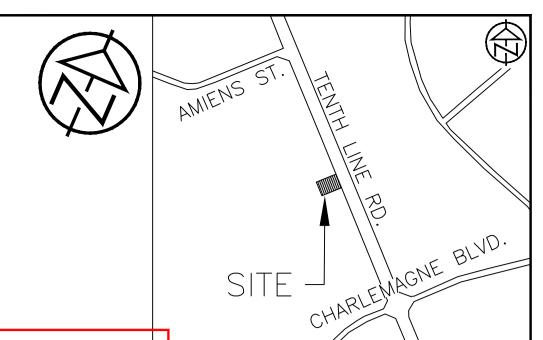
MAINTENANCE - THE CONTRACTOR SHALL MAINTAIN THE ENTRANCE IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED. DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR. UPON OBSERVATION OF CONTINUOUS MUD TRACKING ONTO ADJACENT STREETS, THE STONE MAT IS TO BE FULLY REPLACED.

WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

INSPECTION AND REQUIRED MAINTENANCE AFTER EACH RAIN SHALL BE PROVIDED BY THE CONTRACTOR.

STONE MUD MAT DETAIL SCALE: N.T.S

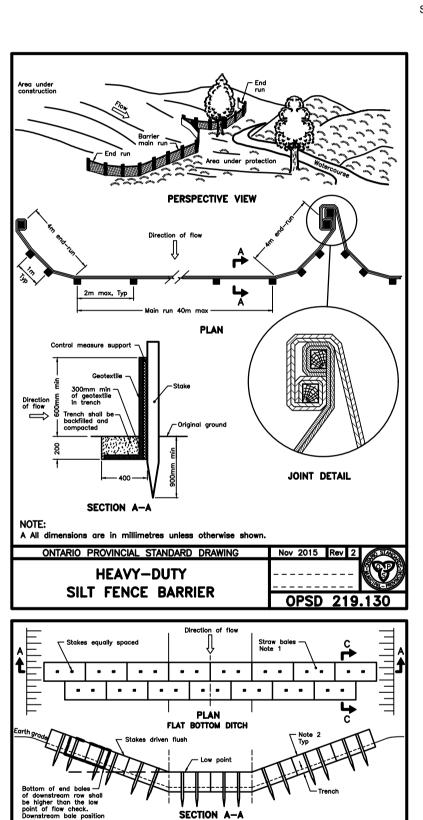




**KEY PLAN - N.T.S** 

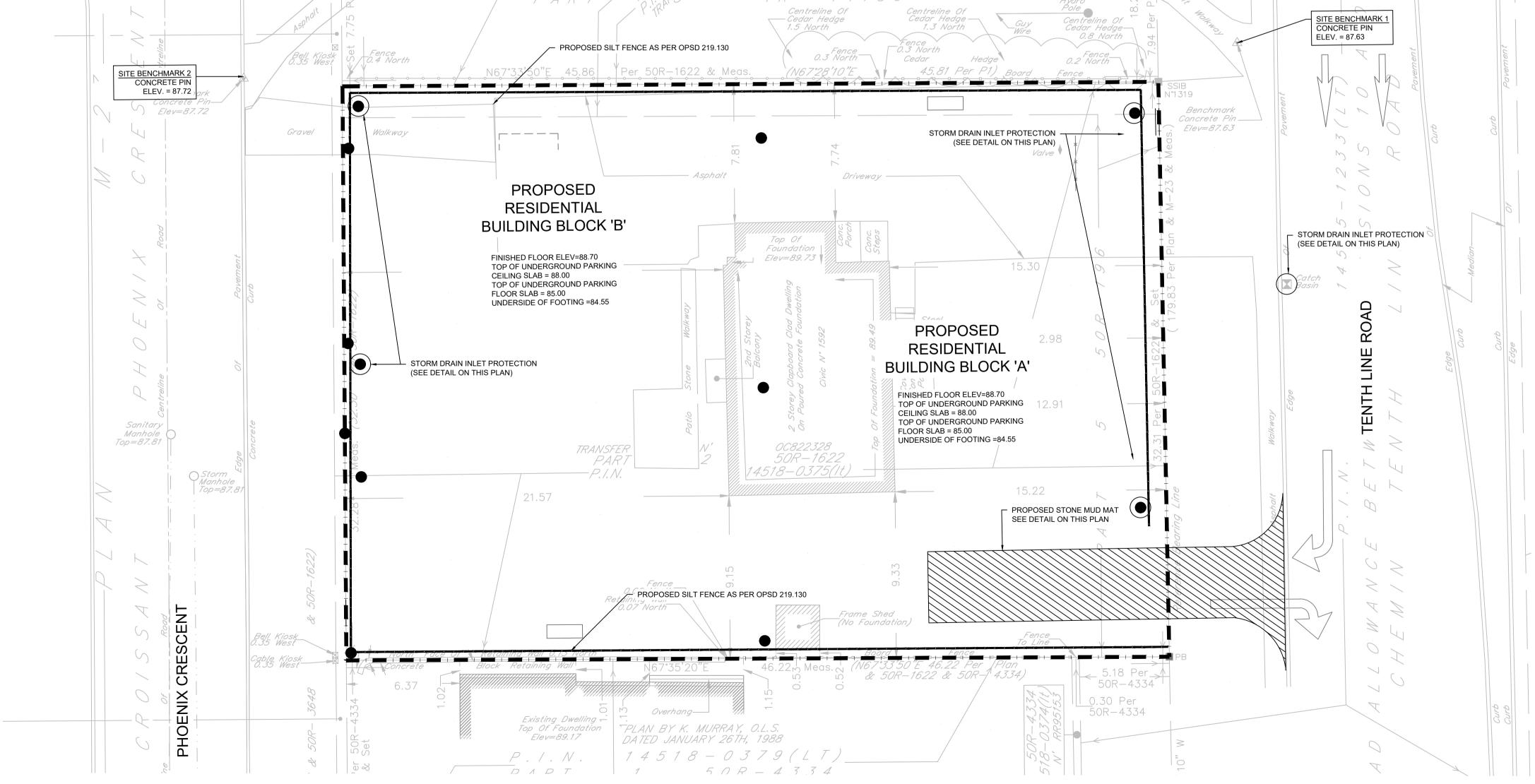
**JOHN SEVIGNY C.E.T.** MANAGER (A), DEVELOPMENT REVIEW EAST PLANNING, DEVELOPMENT & BUILDING SERVICES **DEPARTMENT, CITY OF OTTAWA** 

**APPROVED** By sevignyjo at 11:08 am, Aug 13, 2024



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ONTARIO PROVINCIAL STANDARD DRAWING Nov 2015 Rev 2



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No. REVISION DESCRIPTION DATE DEC. 2022 ISSUED FOR SPA AS PER ARCHITECT'S COMMENTS DEC. 2022 JUN. 2023 RE-ISSUED FOR SPA RE-ISSUED FOR SPA DEC. 2023

RE-ISSUED FOR SPA

MAR. 2024

ENGINEER STAMP

**BRIDOR DEVELOPMENTS 1592 TENTH LINE ROAD CITY OF OTTAWA** 

**SEDIMENT & EROSION** 

CONTROL PLAN

DESIGN: HY/GC FILE: 522677 DRAWN: HY

DATE: NOV 2022 CHECK: GC SCALE: 1:150

C100