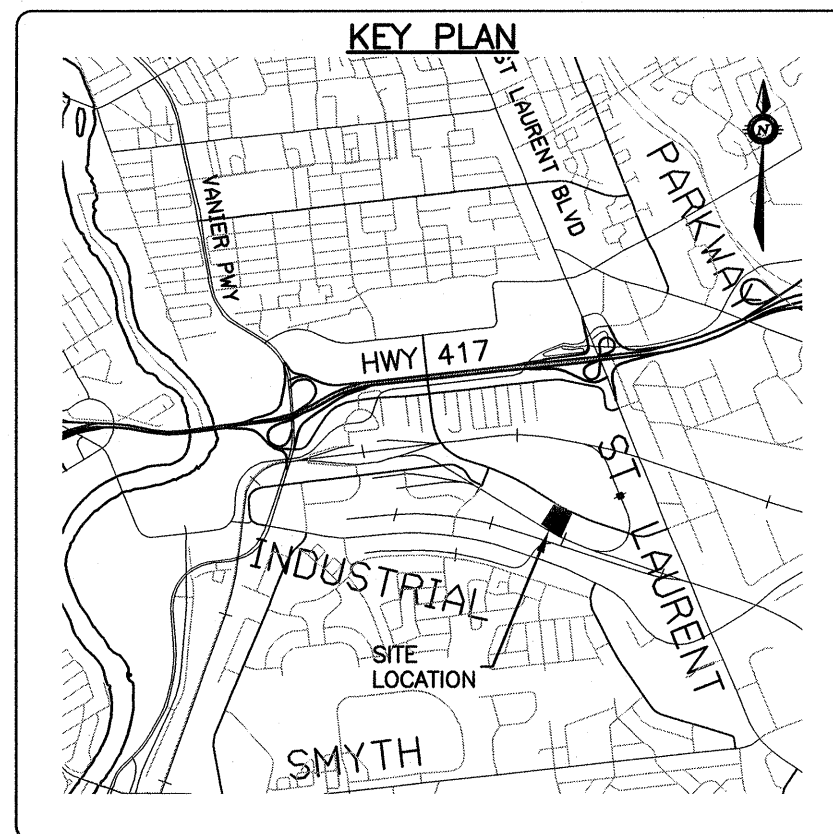
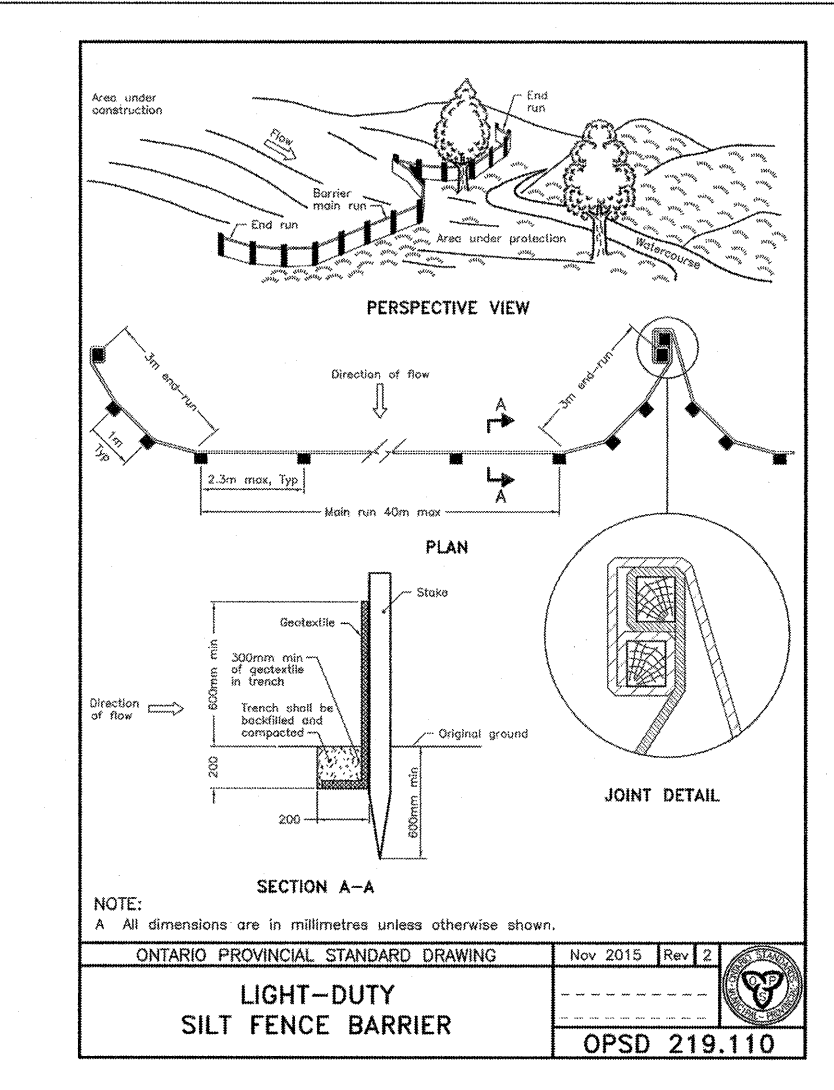


EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION

- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES, TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATERCOURSE, DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY. DURING ALL CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION SHALL BE CONTROLLED BY THE FOLLOWING TECHNIQUES:
1. LIMITING THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
 2. RE-VEGETATION OF EXPOSED AREAS AS SOON AS POSSIBLE.
 3. MINIMIZING THE AREA TO BE CLEARED AND DISRUPTION TO ADJACENT AREAS.
 4. A SILT FENCE BARRIER (OPSD 219.110) TO BE INSTALLED AS SHOWN ON THIS DRAWING.
 5. A VISUAL INSPECTION SHALL BE COMPLETED DAILY ON SEDIMENT CONTROL BARRIERS AND ANY DAMAGE REPAIRED IMMEDIATELY. CARE WILL BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION OPERATIONS.
 6. IN SOME CASES SOME BARRIERS MAY BE REMOVED TEMPORARILY TO ACCOMMODATE THE CONSTRUCTION OPERATIONS. THE AFFECTED BARRIERS WILL BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED.
 7. THE SEDIMENT CONTROL DEVICES WILL BE CLEANED OF ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OF AS PER THE REQUIREMENTS OF THE CONTRACT.
 8. DURING THE COURSE OF CONSTRUCTION IF THE ENGINEER BELIEVES THAT ADDITIONAL PREVENTION METHODS ARE REQUIRED TO CONTROL EROSION AND SEDIMENTATION, THE CONTRACTOR WILL INSTALL ADDITIONAL SILT FENCES OR OTHER METHODS AS REQUIRED TO THE SATISFACTION OF THE ENGINEER.
 9. CONSTRUCTION AND MAINTENANCE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROLS TO COMPLY WITH ONTARIO PROVINCIAL STANDARD SPECIFICATION (OPSS) 805, AND CITY OF OTTAWA SPECIFICATIONS.
 10. EROSION AND SEDIMENT CONTROL MEASURES MAY BE MODIFIED ON-SITE AT THE DISCRETION OF THE CITY OF OTTAWA INSPECTOR OR THE IDEAL VALLEY CONSERVATION AUTHORITY. CONTRACTOR IS RESPONSIBLE TO INSTALL MODIFICATIONS AS REQUIRED TO THE SATISFACTION OF THE APPROPRIATE AUTHORITIES.
 11. IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL, GEOSYNTHETIC SYSTEMS SILTSACK OR APPROVED EQUIVALENT IS TO BE PLACED INSIDE ALL STORM MANHOLE CATCHBASINS AND CATCHBASINS. INSTALLATION, INSPECTION AND CLEANOUT ARE AS PER MANUFACTURER'S RECOMMENDATIONS.



LEGEND	
	EXISTING HYDRO POLE
	EXISTING ANCHOR
	EXISTING BOLLARD
	EXISTING FIRE HYDRANT
	EXISTING LIGHT STANDARD
	PROPOSED SILT FENCE
	EXISTING THRUST BLOCK
	EXISTING VALVE AND VALVE BOX
	EXISTING CATCH BASIN MANHOLE
	EXISTING CATCH BASIN
	EXISTING STORM MANHOLE
	EXISTING SANITARY MANHOLE
	EXISTING ELEVATION
	PROPERTY LINE
	EXISTING GAS LINE
	EXISTING BELL CABLE
	EXISTING STORM SEWER
	EXISTING WATERMAIN
	EXISTING SANITARY SEWER
	EXISTING UNDERGROUND HYDRO
	EXISTING OVERHEAD HYDRO
	PROPOSED CURB
	PROPOSED SWALE WITH PERFORATED PIPE
	PROPOSED TERRACING (MAX 3:1)
	SAWCUT AND MATCH EXISTING LINE
	PROPOSED SILT FENCE
	PROPOSED ROOF DRAIN
	PROPOSED SCUPPER
	PROPOSED SIAMESE CONNECTION
	PROPOSED HIGH POINT
	PROPOSED ELEVATION
	PROPOSED STORM MANHOLE
	PROPOSED CATCH BASIN
	PROPOSED SANITARY MANHOLE
	OVERLAND FLOW DIRECTION
	PROPOSED HEAVY DUTY PAVEMENT
	PROPOSED LIGHT DUTY PAVEMENT



- SILT FENCE NOTES:
1. POSTS TO BE SPACED AT 2.3 METRES CENTRE TO CENTRE.
 2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY A MINIMUM OF 500mm.
 3. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 4. WOOD POSTS TO BE HARDWOOD TYPE (50mm x 50mm).
 5. GEOTEXTILE TO BE EMBEDDED 200 mm INTO GROUND.
 6. GEOTEXTILE TO CONFORM TO OPSS 805 STANDARDS.
 7. SILT FENCE MUST BE INSTALLED BEFORE COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH DETAIL. SILT FENCE CAN BE REMOVED AFTER LANDSCAPING IS COMPLETE.
 8. SEDIMENTS MUST BE CLEARED AWAY WHEN THEY REACH HALF THE HEIGHT OF THE FENCE.

LILY XU, MCIP, RPP
(A) MANAGER, DEVELOPMENT REVIEW - SOUTH
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

APPROVED
By Lily Xu at 12:47 pm, Oct 02, 2019

CAUTION THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.		ARCHITECT MCROBIE ARCHITECTS+INTERIOR DESIGNERS 66 QUEEN STREET OTTAWA, ON. K1P 5C6 613.238.2072		LANDSCAPE ARCHITECT JAMES B. LENNOX & ASSOCIATES INC 3332 CARLING AVENUE OTTAWA, ON. K2H 5A8 613.722.5168		SURVEYOR ANNIS O'SULLIVAN VOLLEBEKK TD. 14 CONCOURSE GATE, SUITE 500 OTTAWA, ON. K2E 7S6 613.727.0850		SCALE 0 3m 6m 12m HORIZONTAL 1:300		DESIGNED BY M.A. ANSARI 2019/05/16 PROVINCE OF ONTARIO		CLIENT CONTROLEX CORPORATION 100-223 COLONNADE ROAD SOUTH OTTAWA, ON. K2E 7K3 613.723.7490		BASEPLAN AE DESIGN AE CHECKED AA CAD AE PROJECT MANAGER AA APPROVED AA		PROJECT OTTAWA TRAIN YARDS 830 BELFAST ROAD OTTAWA, ONTARIO.		PROJECT NO. OTT-00251090-AD SURVEY --- DATE APRIL 2019		EROSION AND SEDIMENT CONTROL PLAN		ESC	
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