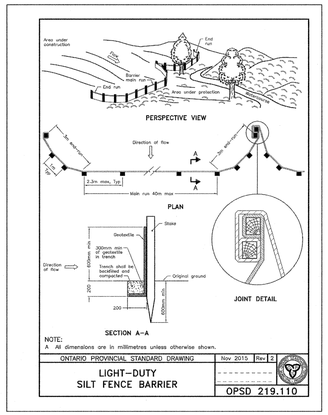
EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION.

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) 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 RIDEAU 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.

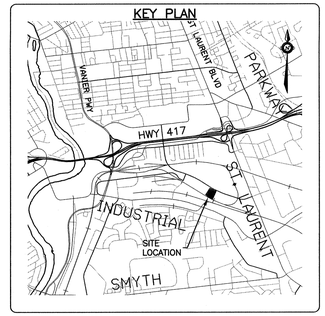


NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 2
LIGHT-DUTY SILT FENCE BARRIER		OPSD 219.110

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 EMBEDED 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.



LEGEND

- EXISTING HYDRO POLE
- EXISTING ANCHOR
- EXISTING BOLLARD
- EXISTING FIRE HYDRANT
- EXISTING LIGHT STANDARD
- PROPOSED LIGHT STANDARD
- 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 (MAX3:1)
- 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

BENCHMARK
FIRE HYDRANT
FLANGE=69.57

CAUTION
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, 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 IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

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REV	REVISION DESCRIPTION	DATE	BY	APPD
2	REVISED AS PER CITY COMMENTS	08/08/19	AE	AA
1	ISSUED FOR SITE APPLICATION	09/04/19	AE	AA

SCALE: 0 3m 6m 12m — HORIZONTAL 1:300

NORTH

DESIGNED BY

REVIEWED BY
LICENSED PROFESSIONAL ENGINEER
M.A. ANSARI
August 8, 2019
PROVINCE OF ONTARIO

CLIENT
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BASEPLAN	AE
DESIGN	AE
CHECKED	AA
CAD	AE
PROJECT MANAGER	AA
APPROVED	AA

PROJECT: OTTAWA TRAIN YARDS
830 BELFAST ROAD
OTTAWA, ONTARIO.

TITLE: EROSION AND SEDIMENT CONTROL PLAN

PROJECT No.	OTT-00251090-A0
SURVEY	---
DATE	APRIL 2019
DRAWING No.	ESC

D07-12-19-0071

#17920

Plotted by: bgrondin on 2019/08/08 10:00:00 - c:\...\251090-e0 - ESA.dwg
Last Saved: 2019/08/7 (2019 4:39:46 PM) - Plotted: 2019/08/8 4:40:21 PM
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