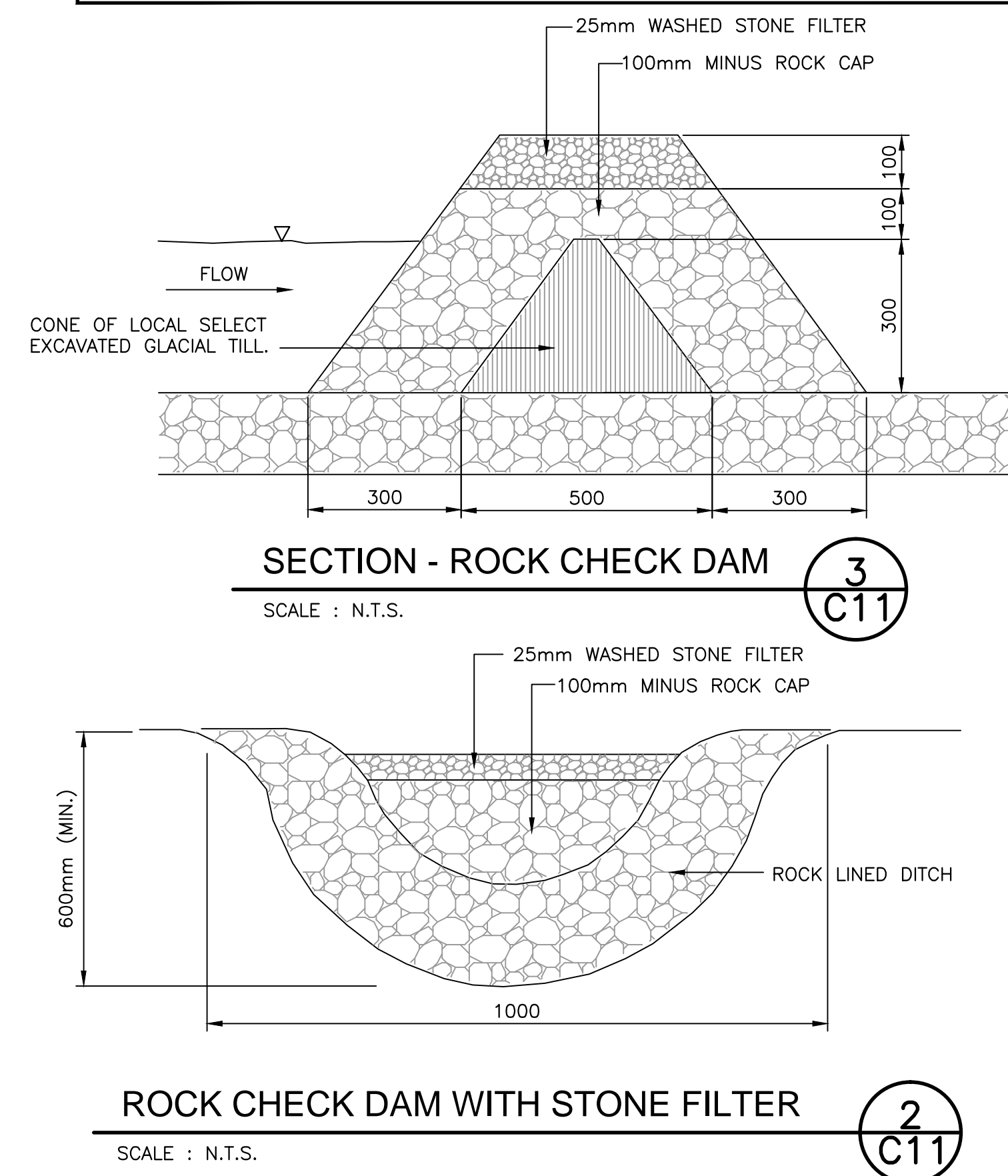

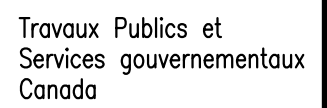


- EROSION AND SEDIMENT CONTROL NOTES:**
1. THE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL (ESC) SHOWN ON THIS PLAN INDICATE THE MINIMUM MEASURES TO BE EMPLOYED. THE WORK METHOD AND EQUIPMENT ENGAGED IN THE WORK WILL REQUIRE ADDITIONAL MEASURES TO BE TAKEN. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES TO MEET OR EXCEED THE CRITERIA LISTED IN THE CONTRACT DOCUMENTS.
  2. THE CONTRACTOR SHALL DEVELOP A DETAILED ESC PLAN AND SUBMIT FOR APPROVAL IN ACCORDANCE WITH THE SPECIFICATIONS. THE CONTRACTOR SHALL MEET THE FOLLOWING OBJECTIVES:
    1. MEET OR EXCEED THE REQUIREMENTS OF LEED® CANADA REFERENCE GUIDE FOR GREEN BUILDING DESIGN AND CONSTRUCTION 2009.
    2. SUSTAINABLE SITES PREREQUISITE 1 "CONSTRUCTION ACTIVITY POLLUTION PREVENTION". PREVENT LOSS OF SOIL DURING CONSTRUCTION BY STORM WATER RUNOFF AND/OR WIND EROSION, INCLUDING PROTECTING TOPSOIL BY STOCKPILING FOR REUSE.
    3. PREVENT SEDIMENTATION OF STORM SEWER OR RECEIVING STREAMS.
    4. PREVENT POLLUTING THE AIR WITH DUST AND PARTICULATE MATTER.
  3. FOR A GENERAL SUMMARY OF APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES THE CONTRACTOR IS REFERRED TO:
    1. U.S. ENVIRONMENTAL PROTECTION AGENCY, OFFICE OF WATER. "CHAPTER 3: SEDIMENT AND EROSION CONTROL" AND CHAPTER 4: OTHER CONTROLS". DOCUMENT NO. EPA 832-R-92-005 STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES. INCLUDED IN APPENDIX D.
    2. WASHINGTON STATE DEPARTMENT OF ECOLOGY'S STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, VOLUME II, CONSTRUCTION STORMWATER POLLUTION PREVENTION (2005 EDITION)
    3. CANADA GREEN BUILDING COUNCIL. "SUSTAINABLE SITES PREREQUISITE 1: EROSION AND SEDIMENTATION CONTROL". LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN REFERENCE PACKAGE FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS (LEED® Canada-NC) VERSION 1.0.
  4. THE CONTRACTOR SHALL MAINTAIN THE SITE AND ALL EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL PROJECT COMPLETION, OR AS DIRECTED OTHERWISE BY THE DEPARTMENTAL REPRESENTATIVE.
  5. CONTRACTOR IS RESPONSIBLE TO CARRY OUT, INSTALL AND MAINTAIN ANY AND ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO MEET APPLICABLE ENVIRONMENTAL REGULATIONS AND LEED REQUIREMENTS.
  6. CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS TO PERFORM WORKS AND COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.
  7. CONTRACTOR TO PLACE EROSION AND SEDIMENT CONTROL DEVICES AS INDICATED ON THE DOWNSTREAM SIDE OF CONSTRUCTION AREA BEFORE GRUBBING.
  8. CONTRACTOR TO INSPECT SEDIMENT CONTROL STRUCTURES AND MAKE NECESSARY REPAIRS ON A MINIMUM WEEKLY BASIS AND BEFORE AND AFTER EACH RAINFALL EVENT. CONTRACTOR TO KEEP LOG DOCUMENTING INSPECTIONS AND REMEDIATION ACTION. SUBMIT PHOTOGRAPHS ALL ALL MEASURES IMPLEMENTED.
  9. CONTRACTOR TO INSTALL ADDITIONAL PROTECTION BERM, SILT FENCES, CUTOFF DITCHES, ETC., AS REQUIRED BY SITE CONDITIONS TO PREVENT SEDIMENT FROM ENTERING WATER COURSES.
  10. CONTRACTOR TO MAINTAIN A STOCKPILE OF APPROPRIATE EROSION AND ENVIRONMENTAL PROTECTION MATERIALS ON SITE AT ALL TIMES. THESE INCLUDE:
    1. SILT FENCE.
    2. BALES OF HAY OR STRAW.
    3. WOOD CHIPS.
    4. TYPE 1 GRAVEL.
  11. CONTRACTOR TO STABILIZE ALL DISTURBED AREAS BY HYDROSEEDING AND/OR MULCHING ON AN ONGOING BASIS. FOR SLOPES STEEPER THAN 3H:1V, SURFACE ROUGHENING TECHNIQUES OR GRADIENT TERRACES SHALL BE UTILIZED.
  12. CONTRACTOR TO REMOVE SILT ACCUMULATIONS AT SILT FENCES AND OTHER PROTECTION DEVICES BY CAREFUL HAND EXCAVATION. CONTRACTOR SHALL DISPOSE OF ACCUMULATED SILT BY REMOVING FROM SITE OR PLACING AND BURYING IT IN FILL AREAS.
  13. CONTRACTOR IS NOT TO PUMP OR DRAIN WATER CONTAINING SUSPENDED MATERIALS INTO WATERWAYS.
  14. CONTRACTOR TO COVER SOIL STOCKPILES WITH PLASTIC SHEETS OR APPROVED EQUAL WHEN DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
  15. CONTRACTOR SHALL, PRIOR TO CARRYING OUT WORK, CHECK THE LONG RANGE WEATHER FORECAST TO ENSURE THAT THERE IS ADEQUATE TIME BEFORE FORECAST OF HEAVY RAIN STORMS TO STABILIZE THE WORK.
  16. CONTRACTOR SHALL NOT PERMIT DISCOLOURED WATER TO ENTER WATER COURSES. CONTRACTOR TO INSPECT SEDIMENT AND EROSION CONTROL MEASURES ON A REGULAR BASIS AND MAINTAIN AS NECESSARY.
  17. CONTRACTOR SHALL HAVE PERSONNEL ON CALL TO PROVIDE EMERGENCY REPAIRS TO SEDIMENT AND EROSION CONTROL MEASURES AT ALL TIMES.
  18. CONTRACTOR TO PROVIDE DUST CONTROL DURING PERIODS OF DRY WEATHER AS REQUESTED BY THE DEPARTMENT OF ENVIRONMENT AND LABOUR, OR THE DEPARTMENTAL REPRESENTATIVE. MEASURES INCLUDE:
    1. KEEP DUSTY AREAS MOIST WITH THE AID OF A WATER TRUCK OR HOSE.
    2. STABILIZE DUSTY AREAS WITH GRAVELS ONCE GRADING IS COMPLETE.
    3. COVER STOCKPILED MATERIAL, WHICH MAY BECOME DUSTY WHEN DRY.
    4. HYDROSEED ALL LANDSCAPED AREAS AS SOON AS POSSIBLE.
  19. CONTRACTOR TO ENSURE VEHICLES AND EQUIPMENT ARE FREE OF EXTERNAL GREASE, OIL, MUD OR FUEL LEAKS.
  20. CONTRACTOR SHALL HAVE AN EMERGENCY SPILL RESPONSE KIT FOR HAZARDOUS MATERIALS, FUELS AND HYDROCARBONS AVAILABLE AT THE SITE AND PROVISIONS FOR SPILL PREVENTION SHOULD BE ENSURED.
  21. CONTRACTOR SHALL REPORT ANY SPILLS TO DEPARTMENTAL REPRESENTATIVE IMMEDIATELY AFTER THEY OCCUR.
  22. CONTRACTOR SHALL INSTALL SILT SACKS ON ALL EXISTING CATCH BASINS AND NEW CATCH BASINS DURING CONSTRUCTION AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.






Public Works and  
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Canada




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Services gouvernementaux  
Canada



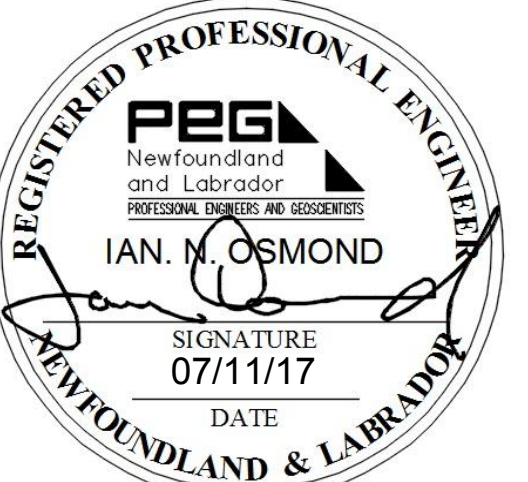
amec foster wheeler

PROVINCE OF NEWFOUNDLAND AND LABRADOR



PERMIT HOLDER  
This Permit Allows  
Amec Foster Wheeler  
Environment & Infrastructure  
Clifford Smith Member # 04696

To practice Professional Engineering  
in Newfoundland and Labrador.  
Permit No. as issued by PEGNL N0844  
which is valid for the year 2017



REGISTERED PROFESSIONAL ENGINEER  
Newfoundland and Labrador  
IAN. N. OSMOND  
SIGNATURE 07/11/17  
DATE

NOTES :

1. ALL WATER PUMPED OUT OF THE EXCAVATION MUST BE DISCHARGED INTO A SEDIMENT CONTROL DITCH.

2. SPEED LIMIT SIGNS OF MAX. 5 km/hr, MUST BE ERECTED ON SITE TO MINIMIZE DUST.

3. CONTRACTOR IS ADVISED THAT DETAILS SHOWN ARE TO BE UTILIZED ON SITE AS REQUIRED AT THE TIME OF CONSTRUCTION.

D	ISSUED FOR TENDER	JUN 28 2017
C	ISSUED FOR 99% REVIEW	JUN 08 2017
B	ISSUED FOR CLIENT REVIEW	APR 21 2017
A	ISSUED FOR 66% REVIEW	MAR 24 2017
revisions		date
project		project
MCTS CENTRE		
PORT AUX BASQUES		
drawing		design
EROSION AND SEDIMENT CONTROL		
designed		conçu
date	July 12, 2017	
drawn		dessiné
date	July 12, 2017	
approved		approuvé
date	July 12, 2017	
Tender	J.P. Macquillivray July 14/17	
Project Manager	Adm. des projets TPSGC	
project number		no. du projet
R.082780.004		
drawing no.		no. du dessin
C11		

PWSC B1 (2004)

E-DRM/GDD-E: 550999

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