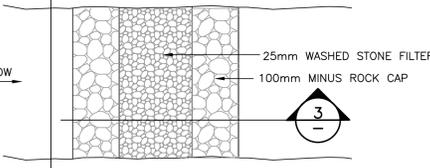
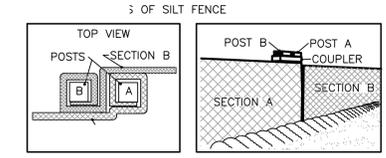


EROSION AND SEDIMENT CONTROL NOTES:

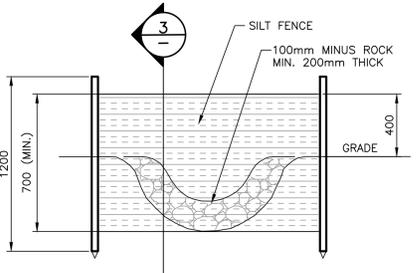
- THE REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL (ESC) SHOWN ON THIS PLAN INDICATE THE MINIMUM MEASURES TO BE EMPLOYED. THE WORK METHOD AND EQUIPMENT ENGAGED IN THE WORK WILL REQUIRE ADDITIONAL MEASURES TO BE TAKEN. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES TO MEET OR EXCEED THE CRITERIA LISTED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL DEVELOP A DETAILED ESC PLAN AND SUBMIT FOR APPROVAL IN ACCORDANCE WITH THE SPECIFICATIONS. THE CONTRACTOR SHALL MEET THE FOLLOWING OBJECTIVES:
 - MEET OR EXCEED THE REQUIREMENTS OF LEED® CANADA REFERENCE GUIDE FOR GREEN BUILDING DESIGN AND CONSTRUCTION 2009.
 - 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.
 - PREVENT SEDIMENTATION OF STORM SEWER OR RECEIVING STREAMS.
 - PREVENT POLLUTING THE AIR WITH DUST AND PARTICULATE MATTER.
- FOR A GENERAL SUMMARY OF APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES THE CONTRACTOR IS REFERRED TO:
 - 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.
 - WASHINGTON STATE DEPARTMENT OF ECOLOGY'S STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, VOLUME II, CONSTRUCTION STORMWATER POLLUTION PREVENTION (2005 EDITION)
 - 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.
- THE CONTRACTOR SHALL MAINTAIN THE SITE AND ALL EROSION AND SEDIMENTATION CONTROL MEASURES UNTIL PROJECT COMPLETION, OR AS DIRECTED OTHERWISE BY THE DEPARTMENTAL REPRESENTATIVE.
- 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.
- CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS TO PERFORM WORKS AND COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.
- CONTRACTOR TO PLACE EROSION AND SEDIMENT CONTROL DEVICES AS INDICATED ON THE DOWNSTREAM SIDE OF CONSTRUCTION AREA BEFORE GRUBBING.
- 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.
- CONTRACTOR TO INSTALL ADDITIONAL PROTECTION BERMS, SILT FENCES, CUTOFF DITCHES, ETC., AS REQUIRED BY SITE CONDITIONS TO PREVENT SEDIMENT FROM ENTERING WATER COURSES.
- CONTRACTOR TO MAINTAIN A STOCKPILE OF APPROPRIATE EROSION AND ENVIRONMENTAL PROTECTION MATERIALS ON SITE AT ALL TIMES. THESE INCLUDE:
 - SILT FENCE.
 - BALES OF HAY OR STRAW.
 - WOOD CHIPS.
 - TYPE 1 GRAVEL.
- 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.
- 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.
- CONTRACTOR IS NOT TO PUMP OR DRAIN WATER CONTAINING SUSPENDED MATERIALS INTO WATERWAYS.
- CONTRACTOR TO COVER SOIL STOCKPILES WITH PLASTIC SHEETS OR APPROVED EQUAL WHEN DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
- 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.
- 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.
 - KEEP DUSTY AREAS MOIST WITH THE AID OF A WATER TRUCK OR HOSE.
 - STABILIZE DUSTY AREAS WITH GRAVELS ONCE GRADING IS COMPLETE.
 - COVER STOCKPILED MATERIAL, WHICH MAY BECOME DUSTY WHEN DRY.
 - HYDROSEED ALL LANDSCAPED AREAS AS SOON AS POSSIBLE.
- CONTRACTOR TO ENSURE VEHICLES AND EQUIPMENT ARE FREE OF EXTERNAL GREASE, OIL, MUD OR FUEL LEAKS.
- 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.
- CONTRACTOR SHALL REPORT ANY SPILLS TO DEPARTMENTAL REPRESENTATIVE IMMEDIATELY AFTER THEY OCCUR.
- CONTRACTOR SHALL INSTALL SILT SACKS ON ALL EXISTING CATCH BASINS AND NEW CATCH BASINS DURING CONSTRUCTION AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.



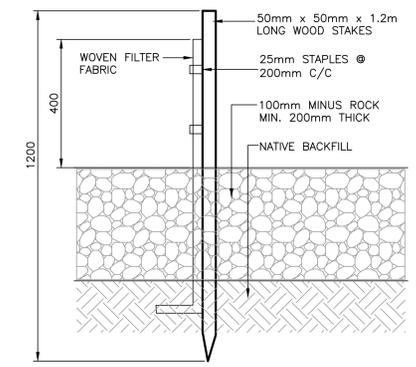
ROCK CHECK DAM
SCALE : N.T.S. (C15)



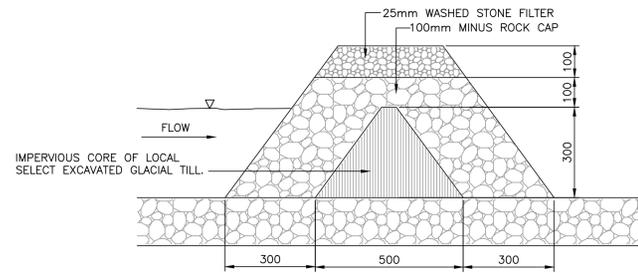
SECTION - ROCK CHECK DAM
SCALE : N.T.S. (C15)



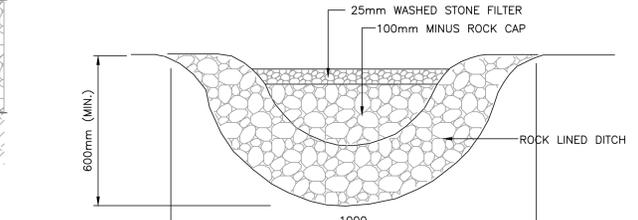
ROCK LINED DITCH
SCALE : N.T.S. (C15)



SILT FENCE DITCH
SCALE : N.T.S. (C15)



SECTION - ROCK CHECK DAM
SCALE : N.T.S. (C15)



ROCK CHECK DAM WITH STONE FILTER
SCALE : N.T.S. (C15)

Public Works and Government Services / Travaux Publics et Services gouvernementaux Canada

amec foster wheeler

PROVINCE OF NEWFOUNDLAND AND LABRADOR
 PERMIT HOLDER
 This Permit Allows
Amec Foster Wheeler
 Environment & Infrastructure
 Clifford Smith Member # 04896
 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
 PEGNL
 New Foundland and Labrador
 IAN M. OSMOND
 SIGNATURE
 07/11/17
 DATE

- NOTES :**
- CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH ANY PORTION OF THIS WORK. DO NOT SCALE FROM DRAWINGS.
 - CONTRACTOR RESPONSIBLE TO REINSTATE TO POST CONSTRUCTION CONDITION, ALL AREAS, INCLUDING ASPHALT, LANDSCAPING, ETC. DISTURBED BY INSTALLATION OF THE EROSION AND SEDIMENT CONTROL.

D	ISSUED FOR TENDER	JULY 10 2017
C	ISSUED FOR TENDER	JUN 28 2017
B	ISSUED FOR 99% REVIEW	JUN 09 2017
A	ISSUED FOR CLIENT REVIEW	APR 21 2017
revisions		date

project: project

MCTS CENTRE AND C&P BUILDING

PLACENTIA

drawing: design

EROSION AND SEDIMENT CONTROL

designed	congr
date	July 12, 2017
drawn	sdh
date	July 12, 2017
approved	so
date	July 12, 2017
Tender	Submission
g. f. macgillivray	g. f. macgillivray
PWSG Project Manager	Administrateur de projets TPSC
project number	no. du projet
R.081781.004	
drawing no.	no. du dessin
C15	