



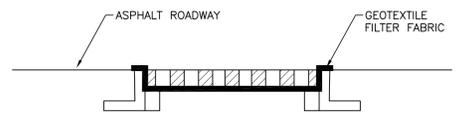
1	ISSUED FOR TENDER	09/19/2018
revisions	date	

project **BIO SEARCH & RESCUE MARINE OPERATIONS BUILDING**

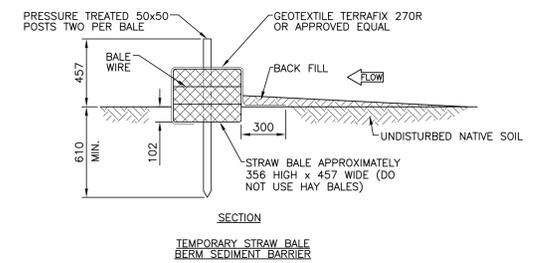
Dartmouth, Nova Scotia

drawing **EROSION AND SEDIMENTATION CONTROL PLAN**

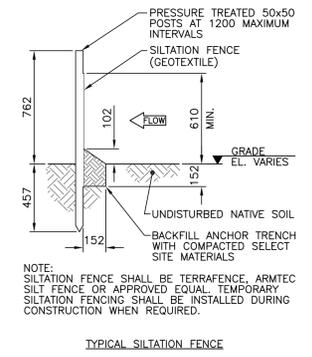
designed EMC	conçu
date 9/19/18	
drawn JNT	dessiné
date 9/19/18	
approved EMC	approuvé
date 9/19/18	
Tender	Soumission
PWSC Project Manager	Administrateur de projets TPSC
project number	no. du projet
<b>R.096002.001</b>	
drawing no.	no. du dessin
<b>C2</b>	



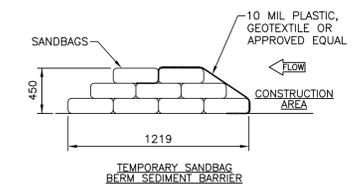
**DETAIL - TEMPORARY CATCHBASIN SILTATION CONTROL DEVICE (SILT SACK)**  
 N.T.S. **A 2**



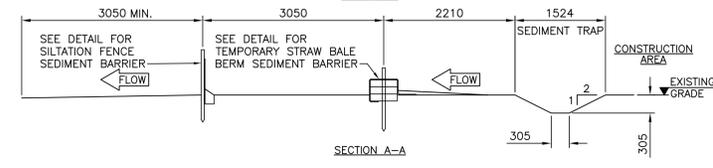
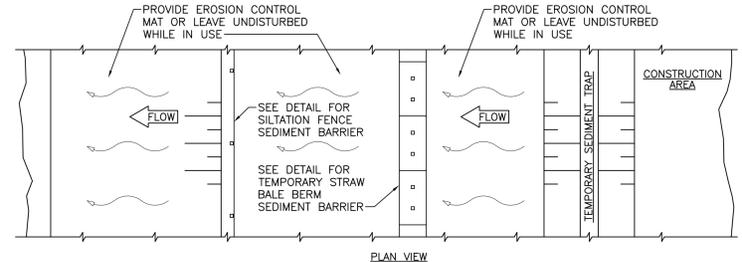
**SECTION TEMPORARY STRAW BALE BERM SEDIMENT BARRIER**  
 SCALE: 1:20 **B 2**



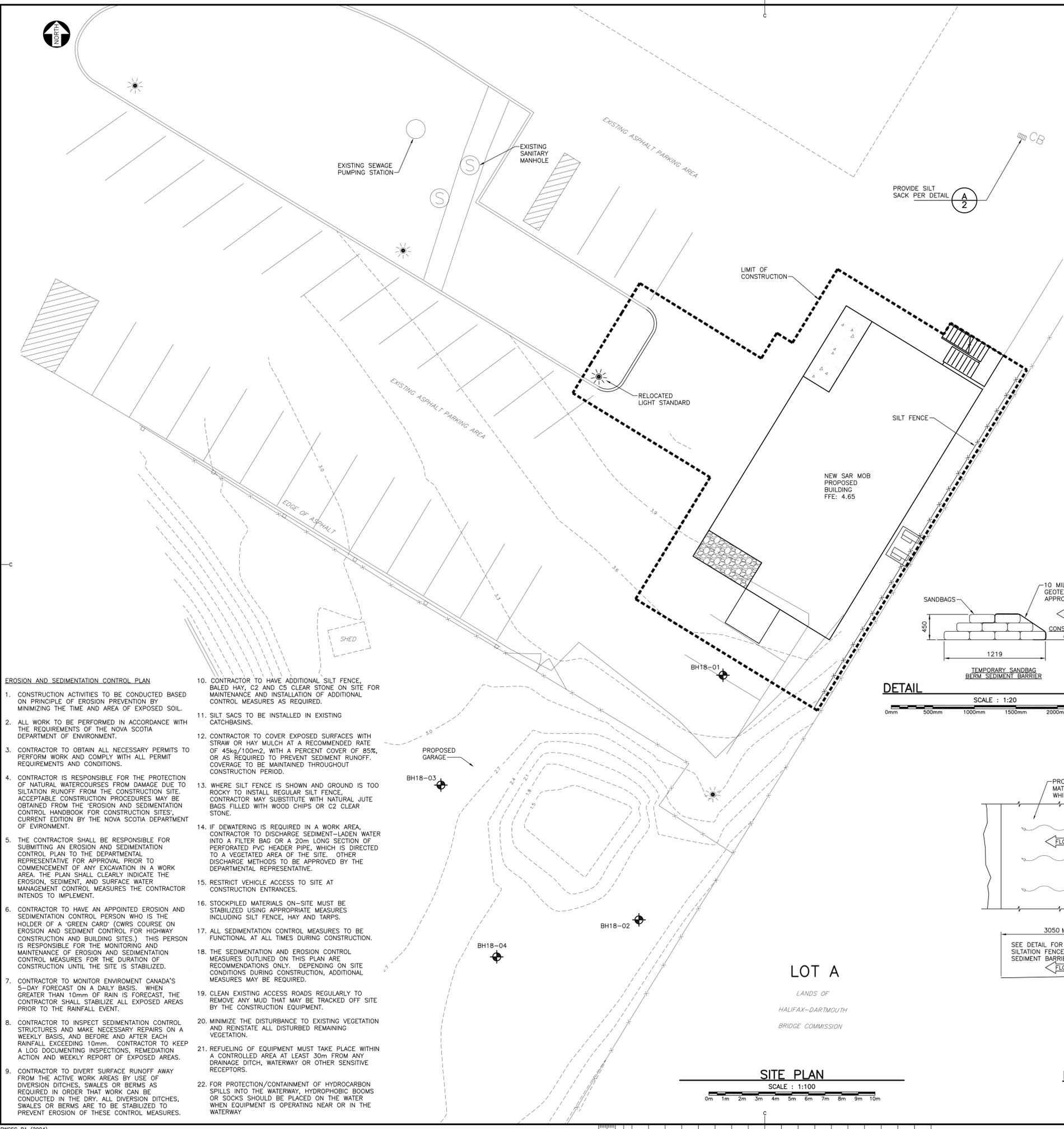
**TYPICAL SILTATION FENCE**  
 SCALE: 1:20 **D 2**



**TEMPORARY SANDBAG BERM SEDIMENT BARRIER**  
 SCALE: 1:20 **C 2**



**TYPICAL SEDIMENTATION CONTROL LAYOUT USING STRAW BALE SEDIMENT BARRIER AND SILTATION FENCE WITH SEDIMENT TRAP**  
 SCALE: 1:50 **E 1**



**EROSION AND SEDIMENTATION CONTROL PLAN**

- CONSTRUCTION ACTIVITIES TO BE CONDUCTED BASED ON PRINCIPLE OF EROSION PREVENTION BY MINIMIZING THE TIME AND AREA OF EXPOSED SOIL.
- ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NOVA SCOTIA DEPARTMENT OF ENVIRONMENT.
- CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS TO PERFORM WORK AND COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.
- CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF NATURAL WATERCOURSES FROM DAMAGE DUE TO SILTATION RUNOFF FROM THE CONSTRUCTION SITE. ACCEPTABLE CONSTRUCTION PROCEDURES MAY BE OBTAINED FROM THE 'EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION SITES', CURRENT EDITION BY THE NOVA SCOTIA DEPARTMENT OF ENVIRONMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING AN EROSION AND SEDIMENTATION CONTROL PLAN TO THE DEPARTMENTAL REPRESENTATIVE FOR APPROVAL PRIOR TO COMMENCEMENT OF ANY EXCAVATION IN A WORK AREA. THE PLAN SHALL CLEARLY INDICATE THE EROSION, SEDIMENT, AND SURFACE WATER MANAGEMENT CONTROL MEASURES THE CONTRACTOR INTENDS TO IMPLEMENT.
- CONTRACTOR TO HAVE AN APPOINTED EROSION AND SEDIMENTATION CONTROL PERSON WHO IS THE HOLDER OF A 'GREEN CARD' (CWRS COURSE ON EROSION AND SEDIMENT CONTROL FOR HIGHWAY CONSTRUCTION AND BUILDING SITES.) THIS PERSON IS RESPONSIBLE FOR THE MONITORING AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION UNTIL THE SITE IS STABILIZED.
- CONTRACTOR TO MONITOR ENVIRONMENT CANADA'S 5-DAY FORECAST ON A DAILY BASIS. WHEN GREATER THAN 10mm OF RAIN IS FORECAST, THE CONTRACTOR SHALL STABILIZE ALL EXPOSED AREAS PRIOR TO THE RAINFALL EVENT.
- CONTRACTOR TO INSPECT SEDIMENTATION CONTROL STRUCTURES AND MAKE NECESSARY REPAIRS ON A WEEKLY BASIS, AND BEFORE AND AFTER EACH RAINFALL EXCEEDING 10mm. CONTRACTOR TO KEEP A LOG DOCUMENTING INSPECTIONS, REMEDIATION ACTION AND WEEKLY REPORT OF EXPOSED AREAS.
- CONTRACTOR TO DIVERT SURFACE RUNOFF AWAY FROM THE ACTIVE WORK AREAS BY USE OF DIVERSION DITCHES, SWALES OR BERMS AS REQUIRED IN ORDER THAT WORK CAN BE CONDUCTED IN THE DRY. ALL DIVERSION DITCHES, SWALES OR BERMS ARE TO BE STABILIZED TO PREVENT EROSION OF THESE CONTROL MEASURES.
- CONTRACTOR TO HAVE ADDITIONAL SILT FENCE, BALED HAY, C2 AND C5 CLEAR STONE ON SITE FOR MAINTENANCE AND INSTALLATION OF ADDITIONAL CONTROL MEASURES AS REQUIRED.
- SILT SACKS TO BE INSTALLED IN EXISTING CATCHBASINS.
- CONTRACTOR TO COVER EXPOSED SURFACES WITH STRAW OR HAY MULCH AT A RECOMMENDED RATE OF 45kg/100m<sup>2</sup>, WITH A PERCENT COVER OF 85%, OR AS REQUIRED TO PREVENT SEDIMENT RUNOFF. COVERAGE TO BE MAINTAINED THROUGHOUT CONSTRUCTION PERIOD.
- WHERE SILT FENCE IS SHOWN AND GROUND IS TOO ROCKY TO INSTALL REGULAR SILT FENCE, CONTRACTOR MAY SUBSTITUTE WITH NATURAL JUTE BAGS FILLED WITH WOOD CHIPS OR C2 CLEAR STONE.
- IF DEWATERING IS REQUIRED IN A WORK AREA, CONTRACTOR TO DISCHARGE SEDIMENT-LADEN WATER INTO A FILTER BAG OR A 20m LONG SECTION OF PERFORATED PVC HEADER PIPE, WHICH IS DIRECTED TO A VEGETATED AREA OF THE SITE. OTHER DISCHARGE METHODS TO BE APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
- RESTRICT VEHICLE ACCESS TO SITE AT CONSTRUCTION ENTRANCES.
- STOCKPILED MATERIALS ON-SITE MUST BE STABILIZED USING APPROPRIATE MEASURES INCLUDING SILT FENCE, HAY AND TARPS.
- ALL SEDIMENTATION CONTROL MEASURES TO BE FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
- THE SEDIMENTATION AND EROSION CONTROL MEASURES OUTLINED ON THIS PLAN ARE RECOMMENDATIONS ONLY. DEPENDING ON SITE CONDITIONS DURING CONSTRUCTION, ADDITIONAL MEASURES MAY BE REQUIRED.
- CLEAN EXISTING ACCESS ROADS REGULARLY TO REMOVE ANY MUD THAT MAY BE TRACKED OFF SITE BY THE CONSTRUCTION EQUIPMENT.
- MINIMIZE THE DISTURBANCE TO EXISTING VEGETATION AND REINSTATE ALL DISTURBED REMAINING VEGETATION.
- REFUELING OF EQUIPMENT MUST TAKE PLACE WITHIN A CONTROLLED AREA AT LEAST 30m FROM ANY DRAINAGE DITCH, WATERWAY OR OTHER SENSITIVE RECEPTORS.
- FOR PROTECTION/CONTAINMENT OF HYDROCARBON SPILLS INTO THE WATERWAY, HYDROPHOBIC BOOMS OR SOCKS SHOULD BE PLACED ON THE WATER WHEN EQUIPMENT IS OPERATING NEAR OR IN THE WATERWAY