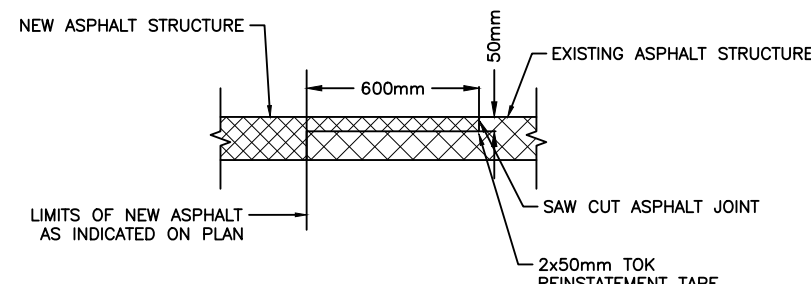
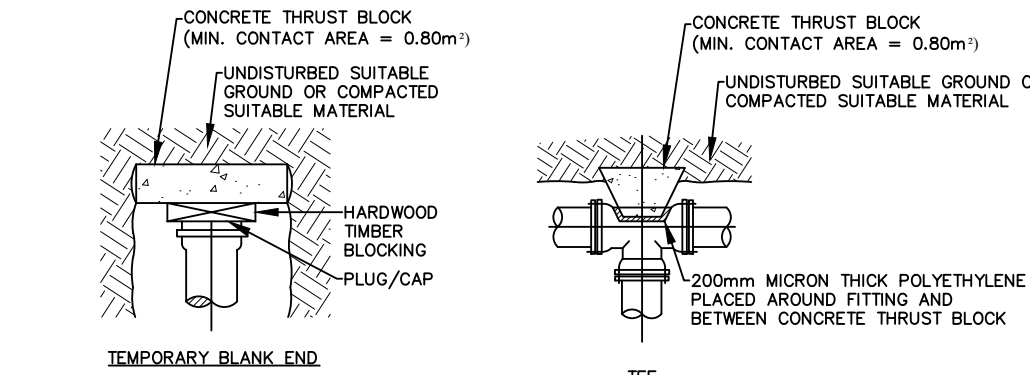


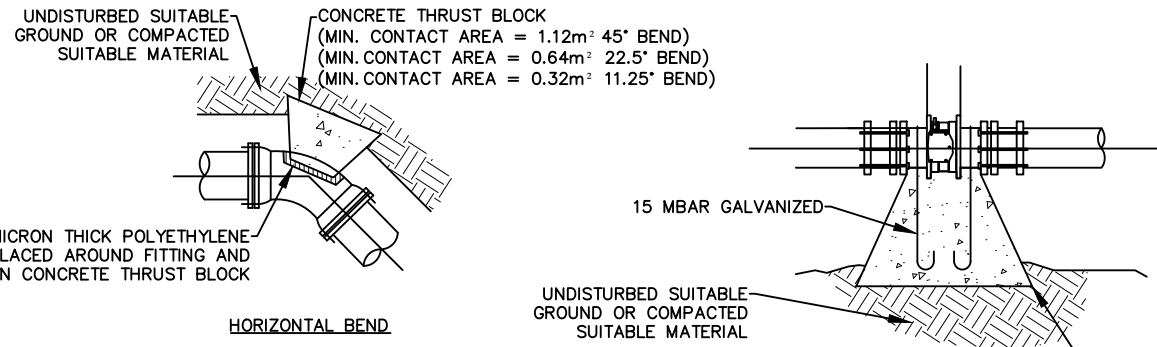
DETAIL #1
ASPHALT CONSTRUCTION
NOT TO SCALE



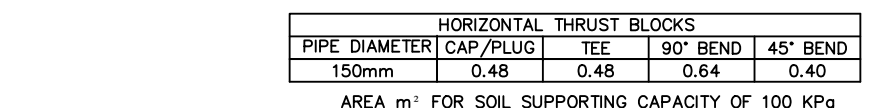
DETAIL #2
ASPHALT BLEND DETAIL
NOT TO SCALE



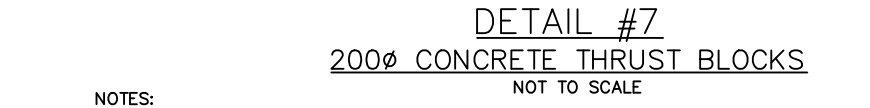
DETAIL #3
TYPICAL 2000 BOLLARD
NOT TO SCALE



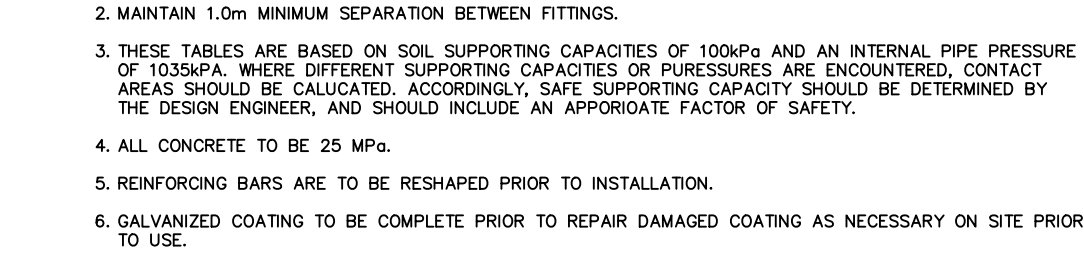
DETAIL #4
380 WATER SERVICE CONNECTION
NOT TO SCALE



DETAIL #5
1500 WATER SERVICE CONNECTION
NOT TO SCALE



DETAIL #6
TYP. WATER SYSTEM TRENCH INSTALLATION
NOT TO SCALE



DETAIL #7
2000 CONCRETE THRUST BLOCKS
NOT TO SCALE



DETAIL #8
GRAVEL SURFACE STRUCTURE
NOT TO SCALE



DETAIL #9
CONCRETE SLAB REINFORCEMENT
NOT TO SCALE



DETAIL #10
CONCRETE SLAB REINFORCEMENT
NOT TO SCALE

SEDIMENTATION & EROSION CONTROL NOTES

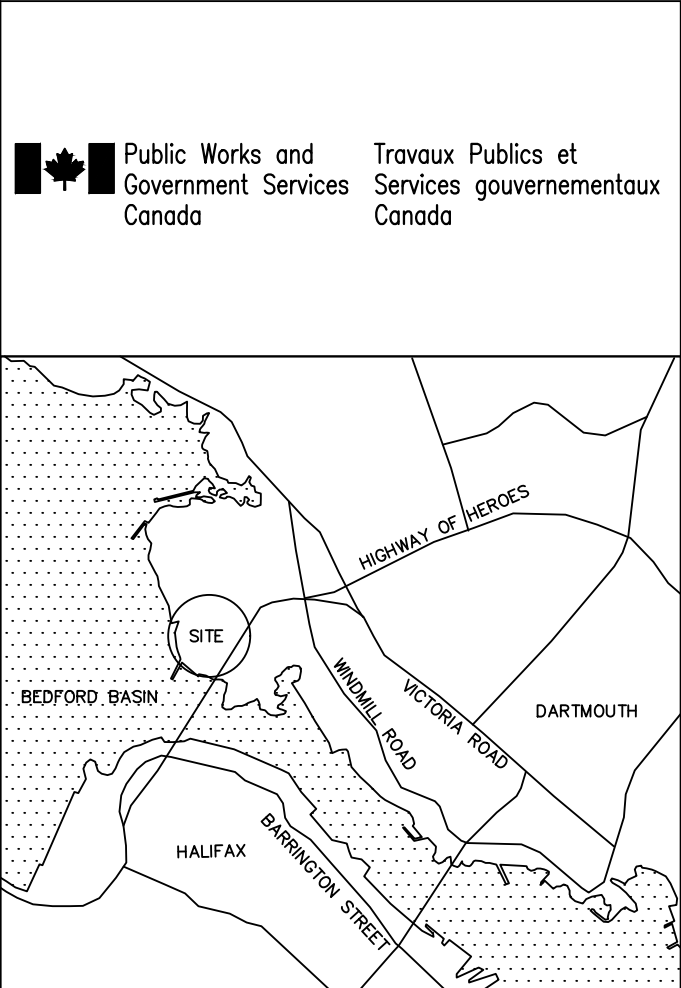
- All work shall be in accordance with the latest edition of the Nova Scotia Environment Erosion and Sedimentation Control handbook for construction sites.
- All erosion control measures shall be confirmed on site prior to construction and shall be at the discretion of the Departmental Representative. Also, the Departmental Representative shall determine if any alterations or additional measures are required above and beyond those indicated on this drawing, in consideration of method of construction.
- The amount of exposed soil areas in this development must remain at a minimum at all times using either wood chips or straw on the exposed areas.
- Install filter fabric or silt bags in all existing nearby catchbasins during construction as well as new catchbasins as soon as possible.
- Silt accumulation along silt fences and swales shall be removed regularly, inspect after each rainfall.
- Grubbed material, which is not used for fill, will be disposed offsite in accordance with Nova Scotia Environment legislation.
- The contractor shall maintain a stockpile of erosion control material onsite.
- All water pumped from ditches, swales or sumps shall be filtered through a sediment trap, 2 m³ (3 yd³) of type 2 gravel, filter bag, or undisturbed vegetation to filter out solid material.
- With respect to sediment control, all work shall be completed to the satisfaction of the project's Departmental Representative.
- The contractor and Departmental Representative shall incorporate a routine end-of-day check to ensure the integrity of the protection measures.
- Machinery maintenance shall not be performed in or near a watercourse, ditch or storm sewer. Some examples of maintenance include, but are not limited to, washing out cement mixers, changing oil, greasing, spray painting, cleaning of spraying equipment or painting equipment, etc.
- Any hazardous liquid including fuel and lubricants shall be stored in a designated area surrounded by an impervious berm which would contain a spill of the volume of all stored liquid.
- Any spillage of a hazardous material into any watercourse must be reported to the Nova Scotia Environment's Environmental Emergencies 24 hour service at 902-426-6030.
- The effectiveness of the control measures shall be inspected and monitored during rain events and maintained and upgraded as necessary or as directed by the Departmental Representative or environmental inspectors.
- Contractor shall monitor meteorological conditions and forecasts as a proactive means to minimize the potential for erosion.
- Contractor must have a person on site daily who has successfully completed the Erosion and Sediment Control (ESC) course provided by NSIR, N.S. Environment, Fisheries and Oceans Canada (DFO), and Dalhousie University. This person must show their 'Green Card' on demand.
- Contractor to ensure copies of all pertinent approvals and permits are held on site (including this environmental control plan and subsequent revisions to erosion and sediment control (ESC) measures and water control plans). Contractor shall comply with all permit requirements, conditions, and maintain all ESC measures until ground cover is re-established.
- Contractor must prepare their own ESC plan (including a contingency plan for failure of esc measures) for approval by the Departmental Representative prior to construction (this drawing may be simply revised to indicate the contractor's specific plans).
- Contractor must continually update the ESC plan as site conditions change (e.g., new ground elevations [embankments/cuts] and drainage patterns). Provide updates to the Departmental Representative and discuss new changes to the esc plan.
- Contractor to install and maintain diversion ditches around (and through) the site as necessary to 'keep clean water clean'.
- Contractor responsible for creation of temporary setting ponds as required to keep sediment on site, and maintenance throughout the period of use (including drainage of 'clean water' and accumulated sediments; water outlets should be protected with 200-250mm stone or other protective cover). Take special care prior to storm events to avoid over-filling the pond (floculants and pumping maybe required to direct to other storage areas or via tanker to an off site location).
- Contractor is responsible for dust control on site. Dust must be prevented through application of water to exposed dry soils to prevent dust from being generated and blown from the site to adjacent areas.

GENERAL NOTES:

- Elevations are geodetic, and refer to Nova Scotia Co-ordinate Referencing System ATST77. NSCRS #205433 Elev=28.993m.
- All work shall be in accordance with the latest copy of the Halifax Regional Municipality Servicing Specifications as well as the Halifax Water Specification.
- Asphalt grades are to be checked and approved in the field by the departmental representative, notwithstanding grades shown on the drawing. The grades of curbs, sidewalks, and pavements, where they join onto existing works, are to be confirmed as well, in the field, by the departmental representative.
- Information shown as to existing works is approximate only. The contractor shall be responsible for locating existing underground infrastructure (ie. Telephone, cable, fibre optic, power lines, gas, etc.) before proceeding with work.
- All underground conduit installation shall be in accordance with the latest NSPI & Alliant specifications. Also, all underground electrical and communications conduit sizes and locations shall be confirmed on site with the electrical engineer and/or consultant prior to installation.
- All necessary permits, shall be the responsibility of others, and in place prior to construction.
- For building details, refer to the structural, mechanical, electrical, and architectural drawings as well as all other contract documents.
- Once pipe bedding is in place and approved, compact all trench backfill in 300mm lifts to 95% standard proctor, or as indicated in the geotechnical report. The more stringent of the two recommendations shall govern.
- All side slopes shall be constructed using 2:1 slope and surfaced with 100mm of topsoil, hydrosed and hay unless otherwise noted on the drawings.
- Geotechnical certification of all structural fill is required to ensure adequate bearing pressure under pipe bedding and building foundation. Landscaping must be performed in such a way to ensure positive drainage of stormwater away from the building (min. 2.0%), in general conformance with this drawing.
- Contractor to verify foundation dimensions, depth, and location prior to construction.
- Do not encroach on adjacent property. Repair of damages to adjacent properties are at the contractor's expense.
- All disturbed areas within the project site which are not concrete, gravel, asphalt, or building shall be hydrosedded c/w 100mm of topsoil, unless noted otherwise on the drawing.
- Contractor shall confirm, with mechanical drawings and plumbing contractor, the point of entry of all services into building prior to installation of site services, and consult with Departmental Representative should a change be necessary.
- Asphalt construction shall consist of:
 - 40mm Asphaltic Concrete Mix Type C
 - 50mm Asphaltic Concrete Mix Type B
 - 200mm Gravel Type 1
 - 300mm Gravel Type 2
- The contractor is to notify the departmental representative 2 business days in advance of any service installation.
- Prior to placing site gravels contractor shall verify that subgrade levels have been achieved. Departmental Representative shall be present for verification.
- Any excavation near existing utilities requires two business days notification to engineer, owner, and utility.
- Contractor shall coordinate the adjustment of temporary supports of NSPI poles or pole anchors along with NSPI/Bell Alliant.
- Site Development shall be in accordance with the recommendations contained in the project Geotechnical Investigation Report prepared by Englobe, dated October 30, 2020.

SAFETY NOTES

- The Departmental Representative will not be responsible for and will not have control or charge of construction means, methods, techniques, sequences, or procedures or for safety precautions, and programs required for the work in accordance with the applicable construction safety legislation, other regulations or general construction practice. The Departmental Representative will not be responsible for or have control or charge over the acts or omissions of the construction manager, contractor, subcontractors, agents, employees, or other persons performing any of the work.
- The contractor shall have complete control of the work and shall effectively direct and supervise the work so as to ensure conformance with the contract documents. Contractor shall be solely responsible for construction means, methods, techniques, sequences, and procedures and for coordinating the various parts of the work under the contract.
- The contractor shall be responsible for all traffic control and safety measures during construction.
- The contractor shall be solely responsible for construction safety at the place of work and for compliance with the standard rules, regulations, and practices required by the applicable construction safety legislation.
- The contractor shall indemnify and hold harmless the Departmental Representative and the owner in connection with any infractions or alleged infractions of the contractor with respect to any acts, codes, regulations, etc.
- The contractor shall be the constructor under the Nova Scotia Occupational Health and Safety Act. Neither the Departmental Representative nor the owner are constructors under the Act.
- The contractor shall exercise extreme caution when working near existing power lines, and comply with all safety regulations with respect to clearance distances. Nova Scotia Power must be contacted if any work on site presents the opportunity to contact transmission wires.
- Contractor shall exercise extreme caution when working near any existing gas lines. Contractor shall contact heritage gas for locates prior to construction activities in area near gas line.



Public Works and Government Services
Travaux Publics et Services gouvernementaux
Canada

CCG, MCI Heavy
Equipment Storage
Facility

Construction Notes
and Details

designed	conçu
date	
drawn	TJB
date	
approved	approuvé
date	
Tender	Soumission
PWOSC Project Manager	Administrateur de projets TPSGC
project number	no. du projet
R.110935.001	
drawing no.	no. du dessin

C003

E-DRM/GDD-E: 553142