



- GENERAL NOTES
- 1 PRE-MANUFACTURED, PRE-INSULATED PIPING SHALL BE INSTALLED IN COMPLIANCE WITH THE MANUFACTURER'S REQUIREMENTS. THE LAYOUT SHALL BE COMPUTER ANALYZED BY THE PIPING SYSTEM MANUFACTURER TO DETERMINE STRESSES AND MOVEMENT OF THE SERVICE PIPES DIRECT ENERGY HEATING PIPES. THE SYSTEM SHALL BE DESIGNED AND INSTALLED IN CONFORMANCE WITH ANSI B31.1 AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER. FACTORY TRAINED FIELD TECHNICAL ASSISTANCE SHALL BE PROVIDED FOR THE CRITICAL PERIODS OF THE INSTALLATION (E., UNLOADING, FIELD JOINT INSTRUCTION AND TESTING).
- 2 THE DRAWINGS MAY NOT SHOW ALL OF THE EXISTING UNDERGROUND PIPING, EQUIPMENT AND/OR SERVICES. WHERE THESE ITEMS ARE NOT SHOWN TO BE REUSED OR REMOVED, UPON CONFIRMATION FROM THE DEPARTMENT REPRESENTATIVE THAT SUCH ITEMS ARE REDUNDANT, THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE ITEMS.
- 3 ALL MATERIALS NOT SHOWN TO BE REMOVED AND DISPOSED OF THAT ARE DAMAGED THROUGHOUT THE COURSE OF WORK SHALL BE REPLACED WITHOUT ADDITIONAL COMPENSATION PROVIDED. ANY DAMAGES TO EXISTING SHALL BE REPAIRED BY THE CONTRACTOR. ALL REPAIR WORK SHALL BE COMPLETED BY APPROPRIATE TRADES.
- 4 IT IS ASSUMED THAT ALL EXISTING PIPING BEING RETAINED IS SAFE AND ADEQUATE. SHOULD THE CONTRACTOR DISCOVER ANY FAULTY, DETERIORATED OR OTHERWISE QUESTIONABLE MATERIAL, EQUIPMENT OR QUALITY OF WORK, THEY SHALL NOTIFY THE DEPARTMENT REPRESENTATIVE FOR FURTHER INSTRUCTIONS.
- 5 INSTALL NEW DIRECT-BURY, PRE-FABRICATED, PRE-INSULATED AND PRE-JACKETED PIPING FOR HOT WATER SUPPLY AND RETURN TO ELLIS LAB BUILDING COMPLETE WITH NEW LEAK DETECTION SYSTEM FOR ALL NEW PIPING INSTALLED. PROVIDE ALL NECESSARY REMOVALS, EXCAVATIONS, FILLS AND REINSTATEMENTS REQUIRED FOR THE REMOVAL OF EXISTING AND INSTALLATION OF NEW BURIED PIPING.
- 6 REMOVE AND MODIFY EXISTING BURIED PIPING AT POINT OF CONNECTION BETWEEN NEW AND EXISTING PIPING AS REQUIRED FOR CONNECTION. COORDINATE EXACT CONNECTION DETAIL WITH MANUFACTURER OF NEW PIPING SYSTEM BASED ON SITE-MEASUREMENTS OF EXISTING PIPING. PROVIDE ALL NECESSARY REMOVALS, EXCAVATIONS, FILLS AND REINSTATEMENTS REQUIRED FOR THE REMOVAL OF EXISTING AND INSTALLATION OF NEW BURIED PIPING.
- 7 REUSE EXISTING PENETRATIONS THROUGH ELLIS BUILDING FOUNDATION FOR NEW PIPING SERVICE. COORDINATE PENETRATIONS WITH EXISTING SERVICES. CONNECT NEW SERVICES INTO EXISTING AND REMOVE ALL REDUNDANT SERVICES WITHIN THE BUILDING. PATCH, REPAIR AND MAKE WATER-TIGHT ALL EXISTING PENETRATIONS MADE REDUNDANT.
- 8 ENSURE THAT THE LENGTH OF THE TRENCH WHERE NEW PIPING IS TO BE INSTALLED IS KEPT WATER-FREE THROUGHOUT THE LENGTH OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY PUMPS, DRAINAGE AND OTHER SITE MODIFICATIONS AS REQUIRED. PROVIDE THE DEPARTMENTAL REPRESENTATIVE WITH A DETAILED MANAGEMENT PLAN PRIOR TO BEGINNING WORK.
- 9 COORDINATE AND PROVIDE ALL NECESSARY SYSTEM SHUTDOWNS AND DRAIN DOWNS REQUIRED FOR COMPLETION OF WORK. PLEASE NOTE THAT IT IS ANTICIPATED THAT EXISTING SERVICES, INCLUDING DRAINAGE, WATER AND ELECTRICAL SERVICES, WILL BE IMPACTED BY THE EXCAVATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SHUTDOWNS AND FOR ALL PROTECTION, REMOVAL AND/OR REINSTATEMENT OF THESE SERVICES REQUIRED FOR WORK TO PROCEED. ALL SHUTDOWNS, REMOVALS AND DISCONNECTS SHALL BE COORDINATED WITH THE DEPARTMENTAL REPRESENTATIVE PRIOR TO PROCEEDING.
- 10 THE NEW PIPING SYSTEMS SHALL BE TESTED PRIOR TO CONNECTING TO THE EXISTING SYSTEMS.

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

KEY PLAN

Dillon, O'Neill, Scriven
7071 Bayers Road, Suite 2001, Halifax, NS B3L 2C2
p: 902.429.0701 f: 902.429.9729 w: www.dillon.ca
341 Townsend Street, Sydney, NS B1P 5G1
p: 902.562.8090 f: 902.562.6621
9 Tamarack Terrace, Moncton, NB E1A 5R1
p: 506-383-8733

2	REVISED	APR. 5 2021
1	ISSUED FOR TENDER	Mar. 5 2021

revisions	date
project	project

PHASE II BIO COASTGUARD HEADQUARTERS DISTRICT HEATING LINE REPLACEMENT
Dartmouth, Nova Scotia

drawing	dessin
---------	--------

PROPOSED MECHANICAL SITE SERVICES DEMOLITION DISTRICT ENERGY LAYOUT

designed	G.S.M.	conçu
date	2021-03-05	
drawn	B.W.S.	dessiné
date	2021-03-05	
approved	G.S.M.	approuvé
date	2021-03-05	
Tender		Submission
PWOSC Project Manager	Administrateur de projets TPSCC	
project number	no. du projet	
R.105006.001		
drawing no.	no. du dessin	

M01

SCALE: 1:250

0m 5m 10m 15m 20m 25m

0 10 20mm 40 60 80 100 120 140 160 180 200mm