



GENERAL NOTES

- PRE-MANUFACTURED, PRE-INSULATED DISTRICT ENERGY HEATING 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. 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 (I.E., UNLOADING, FIELD JOINT INSTRUCTION AND TESTING).
- THE DESIGN 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 REMOVAL AND DISPOSE OF THESE ITEMS.
- 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.
- 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.
- INSTALL NEW DIRECT-BURY, PRE-FABRICATED, PRE-INSULATED PIPING FOR HOT WATER SUPPLY AND RETURN TO/FROM 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.
- 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.
- REUSE EXISTING PENETRATIONS THROUGH ELLIS LAB 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.
- 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.
- 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.
- THE NEW PIPING SYSTEMS SHALL BE TESTED PRIOR TO CONNECTING TO THE EXISTING SYSTEMS.
- THIS CONTRACTOR TO SUPPLY AND ADMINISTER NEW INHIBITOR TO NEW HWS AND HWR TO MATCH EXISTING, AND AS PER MANUFACTURER'S RECOMMENDATIONS.
- ADD PULL PORTS AS PER MANUFACTURER'S RECOMMENDATIONS FOR LEAK DETECTION CABLE.

Public Works and  
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KEY PLAN

on

sa

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REGISTERED PROFESSIONAL ENGINEER

DATE APR 05/2021

G.S. MOORE

5458

PROVINCE OF NOVA SCOTIA

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 NEW DISTRICT HEATING PIPING 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

PWGSC Project Manager

Administrateur de projets TPWSC

project number

no. du projet

R.105006.001

drawing no.

no. du dessin

M02

0m

5m

10m

15m

20m

25m

SCALE: 1:250

0

10

20mm

40

60

80

100

120

140

160

180

200mm

PWGSC B1 (2004)

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