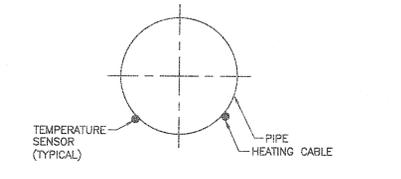
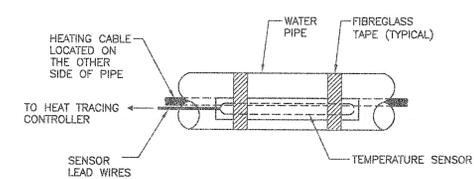


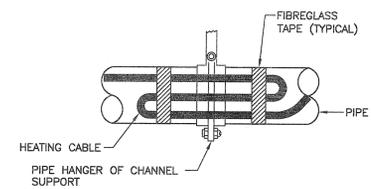
ELECTRICAL SITE PLAN
SCALE: 1:250



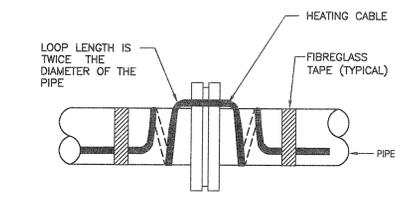
HEATING CABLE & TEMP. SENSOR LOCATIONS ON PIPE
SCALE: N.T.S.



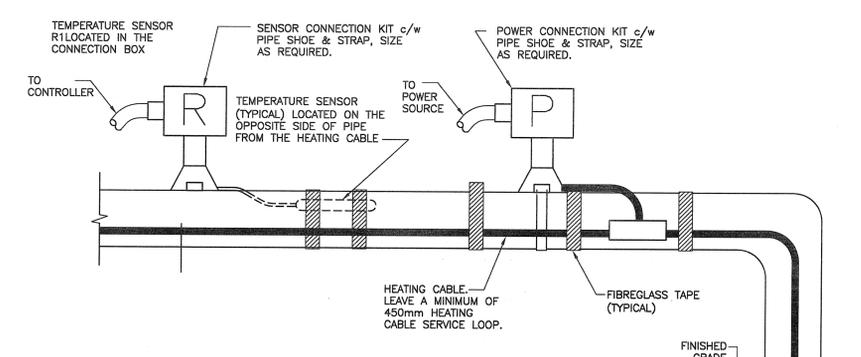
TYPICAL TEMPERATURE BULB / SENSOR INSTALLATION
SCALE: N.T.S.



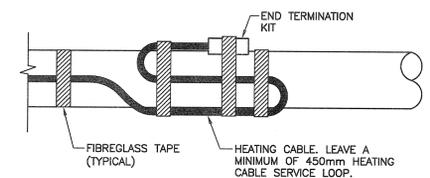
TYPICAL HEATING CABLE MINIMUM COVERAGE OVER PIPE HANGERS AND SUPPORT CHANNELS
SCALE: N.T.S.



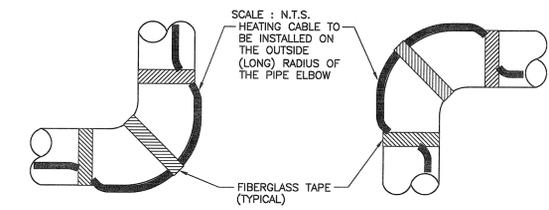
TYPICAL HEATING CABLE MINIMUM COVERAGE OVER PIPE FLANGE



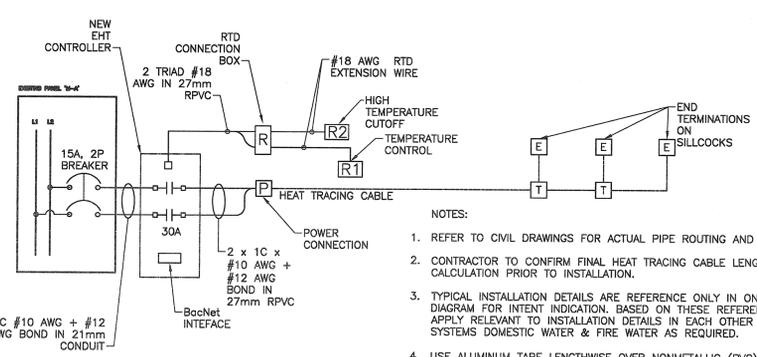
TYPICAL POWER & SENSOR INSTALLATION
SCALE: N.T.S.



TYPICAL HEATING CABLE END TERMINATION KIT INSTALLATION
SCALE: N.T.S.

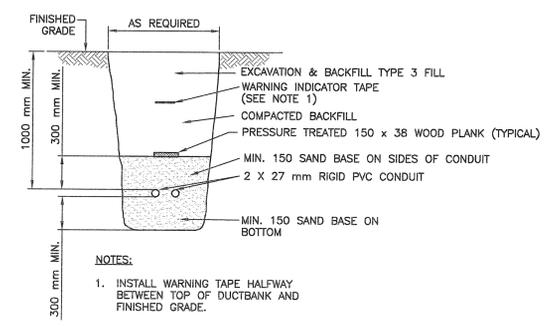


TYPICAL HEATING CABLE INSTALLATION AT PIPE ELBOW
SCALE: N.T.S.



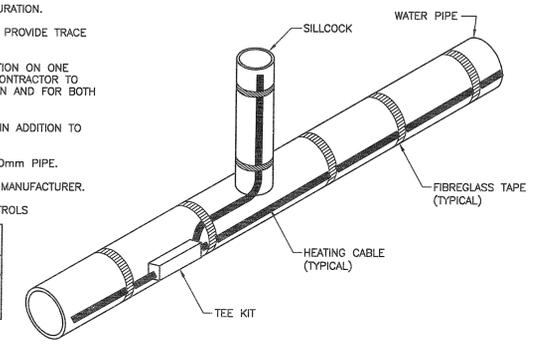
- NOTES:
- REFER TO CIVIL DRAWINGS FOR ACTUAL PIPE ROUTING AND CONFIGURATION.
 - CONTRACTOR TO CONFIRM FINAL HEAT TRACING CABLE LENGTH AND PROVIDE TRACE CALCULATION PRIOR TO INSTALLATION.
 - TYPICAL INSTALLATION DETAILS ARE REFERENCE ONLY IN ONE LOCATION ON ONE DIAGRAM FOR INTENT INDICATION. BASED ON THESE REFERENCES, CONTRACTOR TO APPLY RELEVANT TO INSTALLATION DETAILS IN EACH OTHER LOCATION AND FOR BOTH SYSTEMS DOMESTIC WATER & FIRE WATER AS REQUIRED.
 - USE ALUMINUM TAPE LENGTHWISE OVER NONMETALLIC (PVC) PIPES IN ADDITION TO FIBERGLASS TAPE.
 - CONTRACTOR TO ALLOW FOR HEAT TRACING PAST FROST LINE OF 50mm PIPE.
 - FINAL LOCATION OF RTDS TO BE COORDINATED WITH HEAT TRACING MANUFACTURER.
 - CONTROL PANEL TO INCLUDE TWO COMPLETE HEATING CIRCUIT CONTROLS

HEAT TRACE CABLE		
PIPE SIZE (mm)	APPROX. LENGTH (m)	DESCRIPTION
50	55	SELF REGULATING HEAT TRACING CABLE RATED AT 16W/m AT 5°C; TRACE RATIO 1
25	3	



TRENCH SECTION FOR CABLE IN DIRECT BURIED DUCTS
SCALE: N.T.S.

SCHEMATIC - HEAT TRACE
SCALE: N.T.S.



TYPICAL HEATING CABLE TEE INSTALLATION
SCALE: N.T.S.



CO1	ISSUED FOR TENDER	DATE	JULY 24 2017
revisions		date	

project
BEDFORD INSTITUTE OF OCEANOGRAPHY WATER UPGRADES DARTMOUTH, NOVA SCOTIA

drawing
ELECTRICAL SITE PLAN AND DETAILS

designed D.C.	conçu
date	
drawn S.M.	dessiné
date	
approved	approuvé
date	
Tender	Submission
PWOSC Project Manager	Administrateur de projets TPSC
project number	no. du projet
R.0812155.001	
drawing no.	no. du dessin
E01	