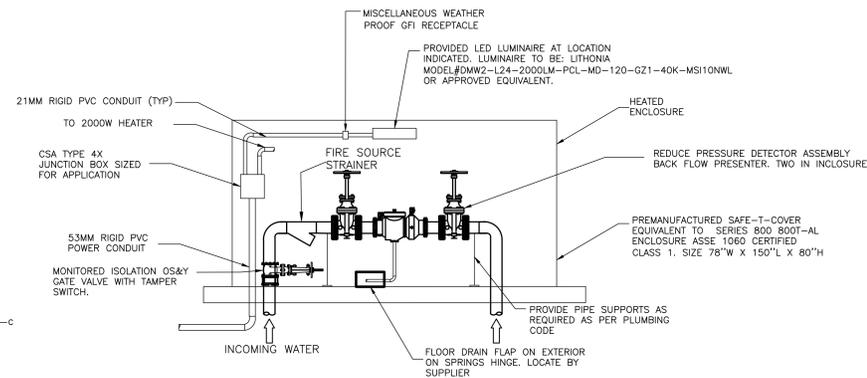


**DETAIL NOTES:**

- ① MAIN SHUT OFF VALVE TO BE OS&Y GATE VALVE. CSA.C.U.L.F.M APPROVED.
- ② STRAINER TO BE "FIRE SERVICE" RATED. CSA.C.U.L.F.M APPROVED.
- ③ FLOOR DRAIN FLAP TO EXTERIOR ON SPRINGS HINGE. LOCATE BY SUPPLIER

CLEARANCES		
MIN.	MAX.	DESCRIPTION
750mm	N/A	CLEAR SPACE IN FRONT OF BFP, FROM EDGE OF DEVICE TO CLOSEST OBSTRUCTIONS.
150mm	N/A	CLEAR SPACE BEHIND BFP, FROM EDGE OF DEVICE TO CLOSEST OBSTRUCTIONS.
300mm	N/A	CLEAR SPACE ABOVE BFP, FROM EDGE OF DEVICE TO CLOSEST OBSTRUCTIONS.
N/A	2000mm	CLEAR SPACE BETWEEN FLOOR & CENTRELINE OF ISOLATION VALVE DOWNSTREAM OF TEST TEE.
25mm	N/A	AIR BREAK BETWEEN DRAIN LINE OF BFP & TOP OF HUB DRAIN. IF GREATER, MUST EQUAL PIPE DIAMETER.

ENCLOSURE TO BE PROVIDED WITH 2000W ELECTRIC HEATER, ALL PIPING TO BE MAINTAINED



**PROFILE VIEW**

**BACK FLOW PREVENTER HEATED ENCLOSURE #1**

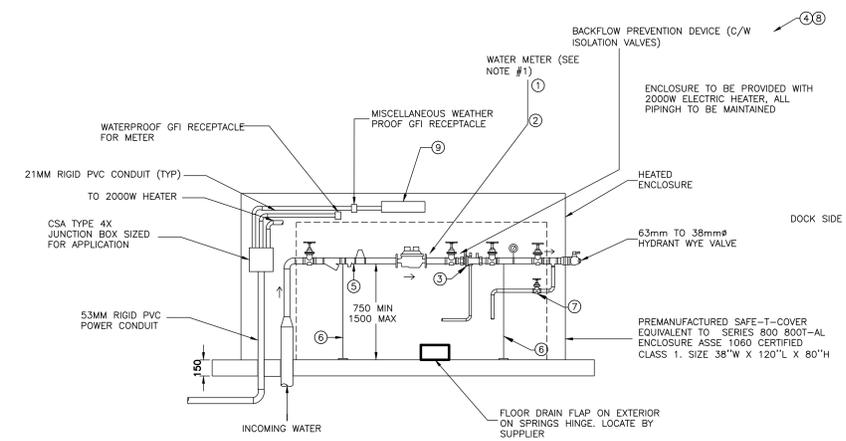
SCALE = N.T.S.

1  
M-2

**DETAIL NOTES:**

- ① WATER METER
- ② STRAIGHT PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF METER TO BE IN ACCORDANCE WITH METER MANUFACTURE'S RECOMMENDATIONS.
- ③ INSTALL AIR GAPS AND AIR BREAKS ON BACKFLOW PREVENTER DRAIN LINES. AS PER CAN/CSA-B64-10.
- ④ THE BACKFLOW PREVENTER SIZE IS TO BE DETERMINED BASED UPON THE FLOW AND PRESSURE REQUIREMENTS OF THE SERVICE FOR THE DOMESTIC WATER ENTRANCE.
- ⑤ WHERE SUPPLY MAIN PRESSURE EXCEEDS 689 KPA A PRESSURE REDUCING VALVE (PRV) IS TO BE INSTALLED BEFORE WATER METER, OTHERWISE THE PRV IS TO BE INSTALLED AFTER THE BACKFLOW PREVENTION DEVICE.
- ⑥ PROVIDE PIPE SUPPORTS AS REQUIRED AS PER PLUMBING CODE.
- ⑦ TEST TEE CONNECTION MUST BE COMPLETE WITH A LOCKABLE VALVE & MALE CAMLOCK FITTING WITH DUST CAP.
- ⑧ REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER EQUAL TO WATTS 909 SERIES C/W AIR GAPS, INSTALLED AS PER CAN/CSA-B64-10.
- ⑨ PROVIDED LED LUMINAIRE AT LOCATION INDICATED. LUMINAIRE TO BE: LITHONIA MODEL#DMW2-L24-2000LM-PCL-MD-120-GZ1-40K-MS10NWL OR APPROVED EQUIVALENT.

CLEARANCES		
MIN.	MAX.	DESCRIPTION
750mm	N/A	CLEAR SPACE IN FRONT OF BFP, FROM EDGE OF DEVICE TO CLOSEST OBSTRUCTIONS.
150mm	N/A	CLEAR SPACE BEHIND BFP, FROM EDGE OF DEVICE TO CLOSEST OBSTRUCTIONS.
300mm	N/A	CLEAR SPACE ABOVE BFP, FROM EDGE OF DEVICE TO CLOSEST OBSTRUCTIONS.
N/A	2000mm	CLEAR SPACE BETWEEN FLOOR & CENTRELINE OF ISOLATION VALVE DOWNSTREAM OF TEST TEE.
25mm	N/A	AIR BREAK BETWEEN DRAIN LINE OF BFP & TOP OF HUB DRAIN. IF GREATER, MUST EQUAL PIPE DIAMETER.



**PROFILE VIEW**

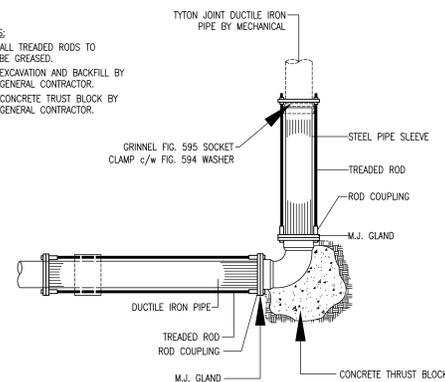
**BACK FLOW PREVENTER HEATED ENCLOSURE #2**

SCALE = N.T.S.

2  
M-2

**NOTES:**

1. ALL TREADED RODS TO BE GREASED.
2. EXCAVATION AND BACKFILL BY GENERAL CONTRACTOR.
3. CONCRETE TRUST BLOCK BY GENERAL CONTRACTOR.



**THRUST BLOCK DETAIL**

SCALE = N.T.S.

3  
M-2

MECHANICAL CONSULTANT



revisions	date
0	ISSUED FOR TENDER 16/12/21

DECOMMISSIONING, DEMOLITION AND SITE RESTORATION SSB HQ SOUTHSIDE ROAD ST. JOHN'S, NL

NEW SITE WATER SERVICES - MECHANICAL DETAILS

designed N.C.	concep
date DECEMBER 2020	
drawn M.K.	dessiné
date DECEMBER 2020	
approved N.C.	approuvé
date DECEMBER 2020	
Tender	Soumission
PM/SC Project Manager / Administrateur de projets TP/SC	
project number R.111146.001	no. du projet
drawing no. M-2	no. du dessin