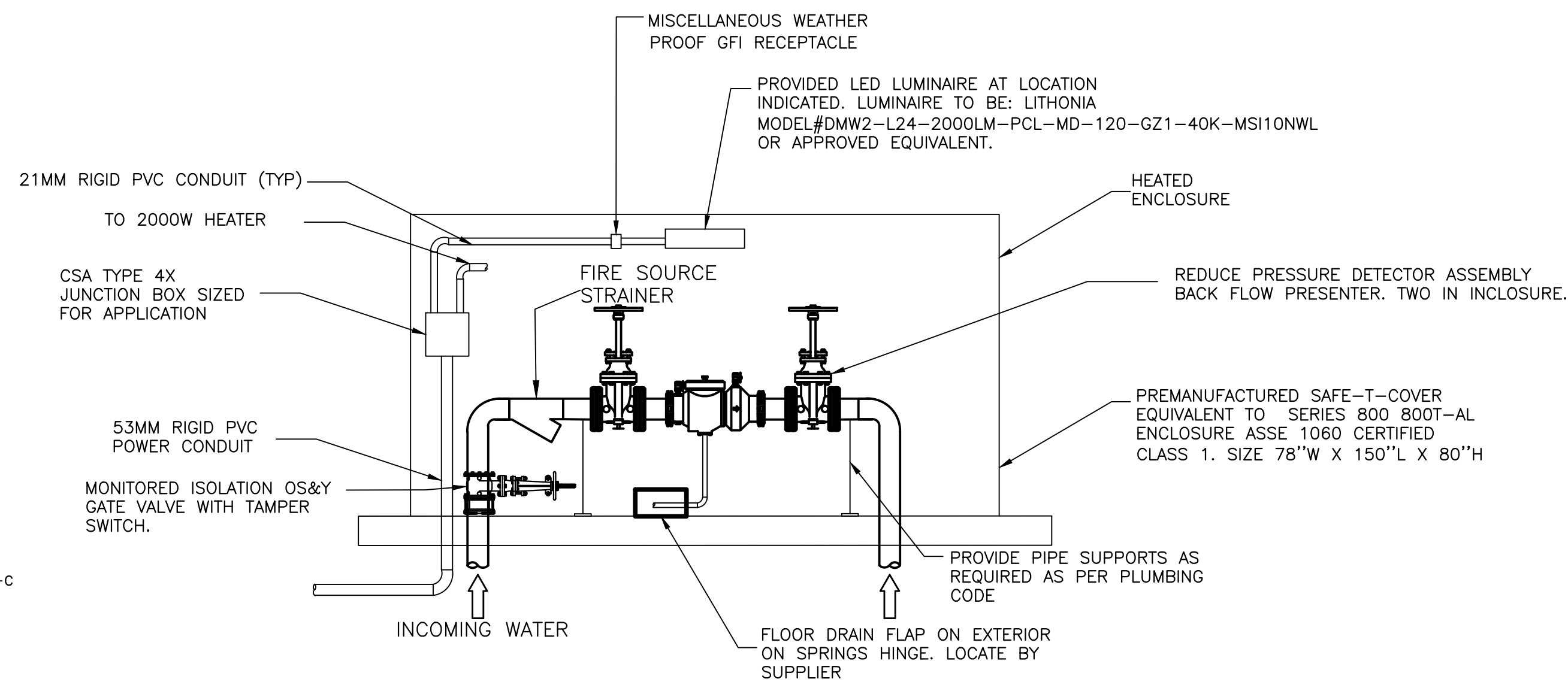


DETAIL NOTES:

- 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



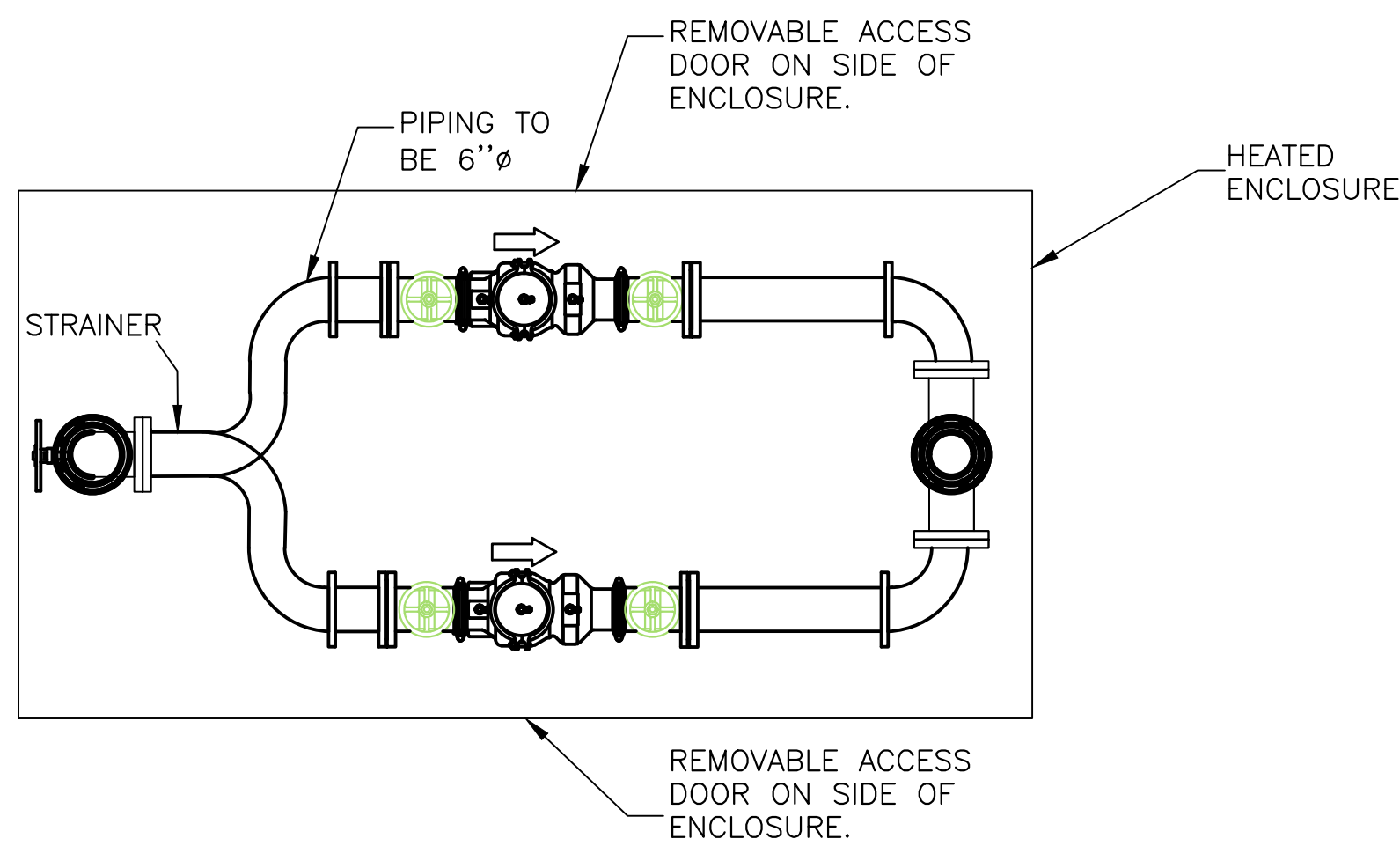
PROFILE VIEW

## BACK FLOW PREVENTER HEATED ENCLOSURE #1

SCALE = N.T.S.

1

M-2



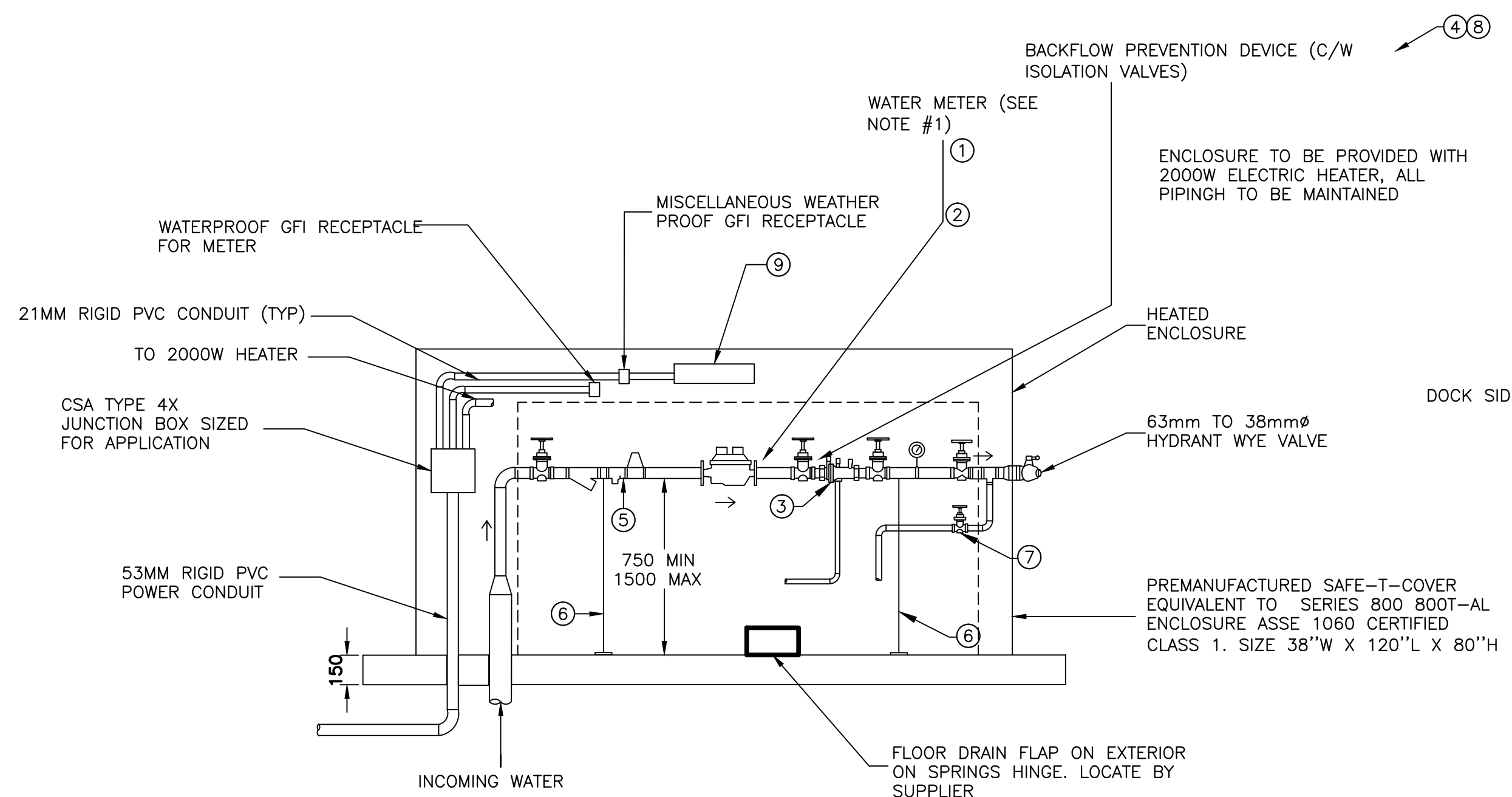
PLAN VIEW

## BACK FLOW PREVENTER HEATED ENCLOSURE #2

SCALE = N.T.S.

2

M-2

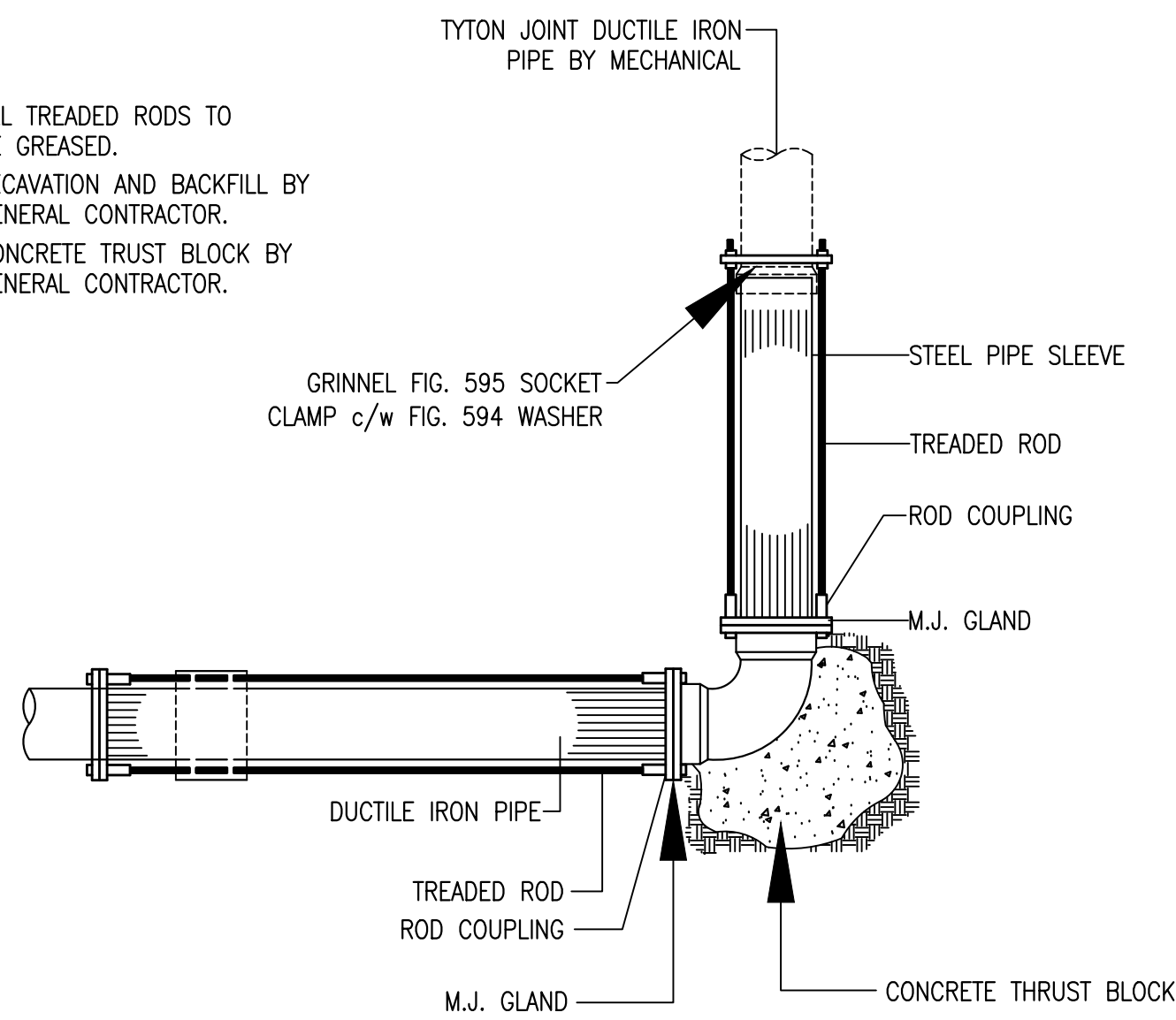


PROFILE VIEW

ENCLOSURE OVERALL DIMENSIONS:  
915W X 2540L X 1778H

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

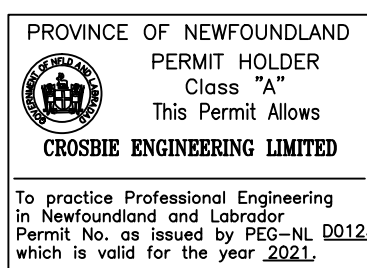
DETAIL NOTES:

- 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 REDUING 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.

MECHANICAL CONSULTANT

PERMIT



STAMP



revisions	date
0	ISSUED FOR TENDER
1	16/12/21

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

drawing  
dessin

NEW SITE WATER SERVICES  
- MECHANICAL DETAILS

designed N.C.	conçu
date DECEMBER 2020	
drawn M.K.	dessiné
date DECEMBER 2020	
approved N.C.	approuvé
date DECEMBER 2020	
Tender	Soumission
PWGSC Project Manager	Administrateur de projets TPSC
project number	no. du projet
R.111146.001	
drawing no.	no. du dessin
M-2	