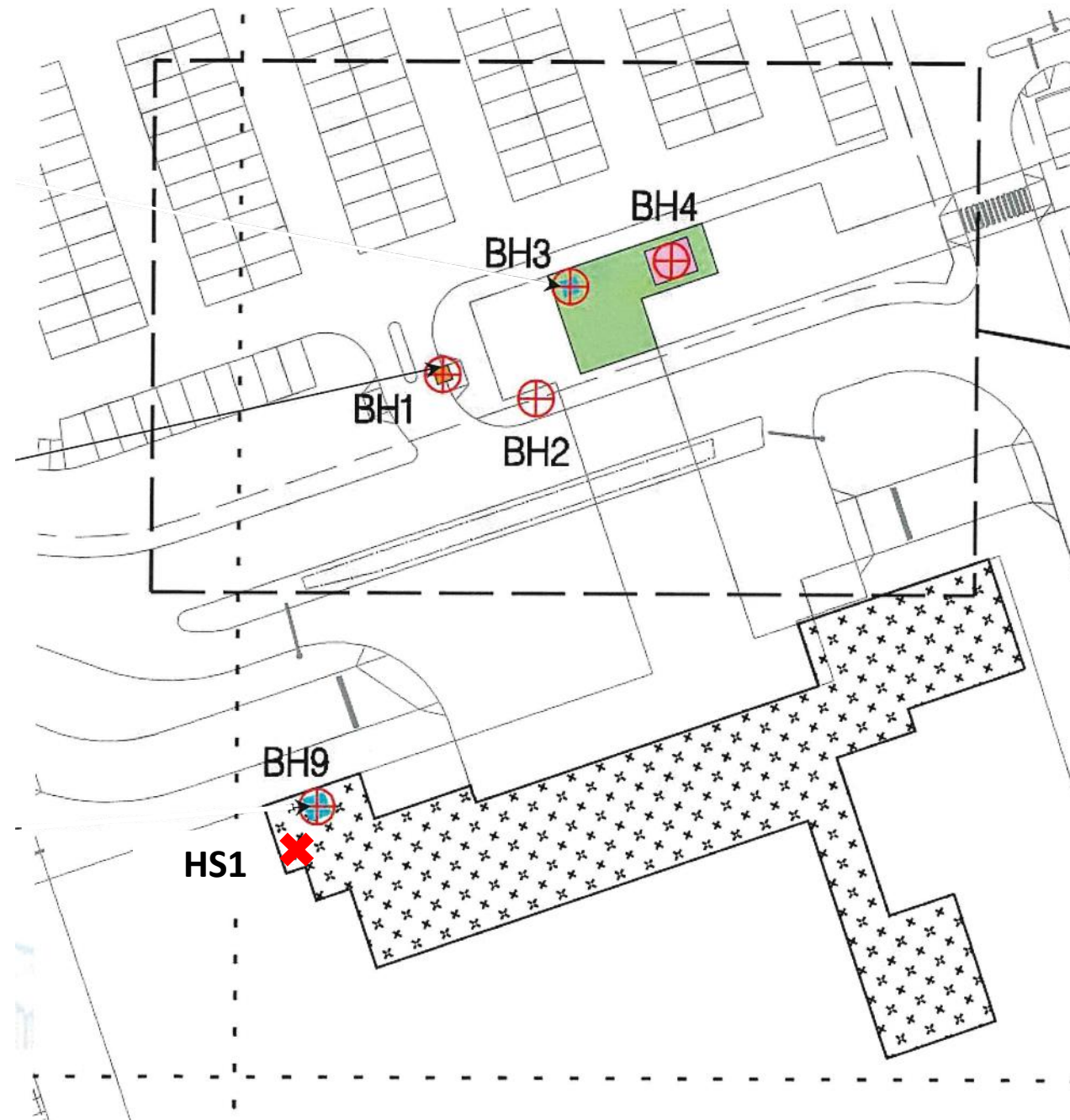


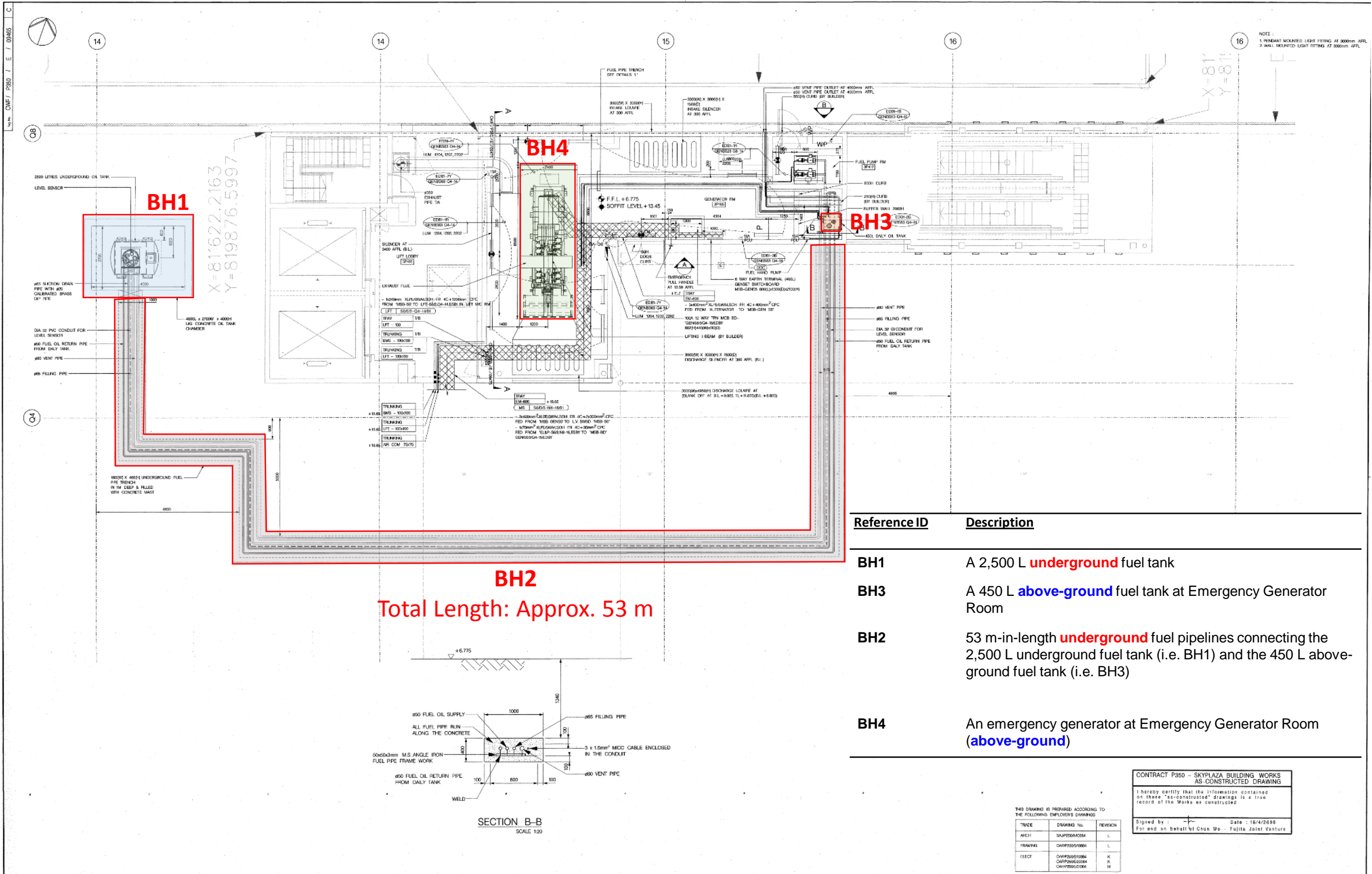
Appendix E.1 Emergency Power Supply System No. 1 (**BH 1**, **BH2**, **BH3** and **BH4**)

Northern Section of T2 Building



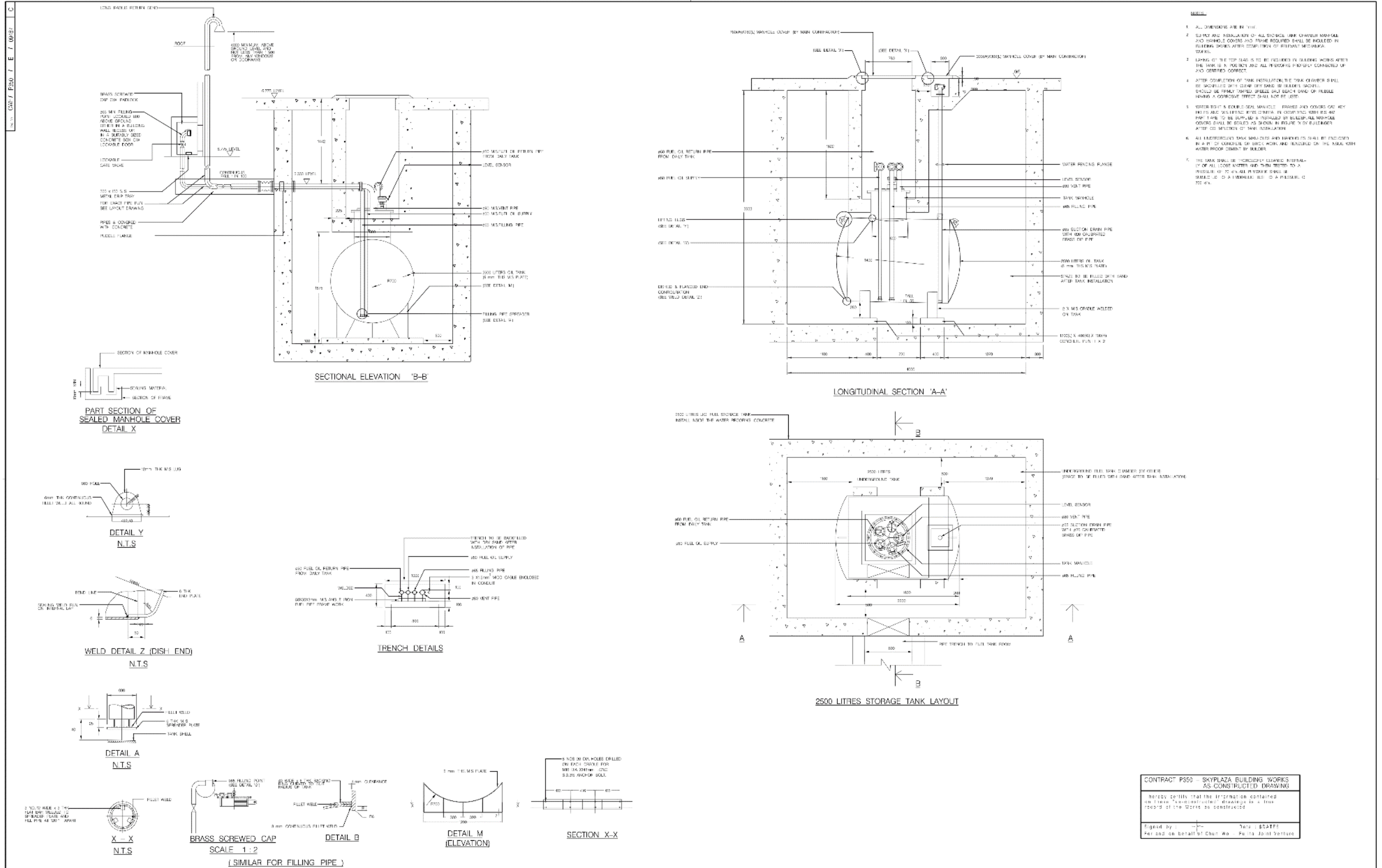
<u>Reference ID</u>	<u>Description</u>
BH1	A 2,500 L underground fuel tank
BH3	A 450 L above-ground fuel tank at Emergency Generator Room
BH2	53 m-in-length underground fuel pipelines connecting the 2,500 L underground fuel tank (i.e. BH1) and the 450 L above-ground fuel tank (i.e. BH3)
BH4	An emergency generator at Emergency Generator Room (above-ground)

Appendix E.1 Emergency Power Supply System No. 1 (BH 1, BH2, BH3 and BH4)



<p>Notes:</p> <ol style="list-style-type: none"> Measurements are based on metric system. Dimensions are in millimetre unless otherwise stated. Mounting and dimensions are as indicated. See separate drawings. Right dimensions are to be followed. Do not use to construct unless expressly permitted. 	<table border="1"> <thead> <tr> <th>Rev.</th> <th>Date</th> <th>Description</th> <th>Checked</th> <th>Appr.</th> <th>Date</th> <th>Description</th> <th>Checked</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>10.12.06</td> <td>AS CONSTRUCTED</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>B</td> <td>30.09.07</td> <td>REVISED AS PER AAS COMMENT REF: CWP/PS350/0254 DATED: 2007</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>C</td> <td>12.03.08</td> <td>REVISED AS PER AAS COMMENT REF: CWP/PS350/0252N DATED: 23.03.08 ; 02501,055, 02502, 02503</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Rev.	Date	Description	Checked	Appr.	Date	Description	Checked	A	10.12.06	AS CONSTRUCTED						B	30.09.07	REVISED AS PER AAS COMMENT REF: CWP/PS350/0254 DATED: 2007						C	12.03.08	REVISED AS PER AAS COMMENT REF: CWP/PS350/0252N DATED: 23.03.08 ; 02501,055, 02502, 02503						<p>Contractor's Signatures for Approval</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Design</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>YIP</td> <td>19/03/08</td> <td>19/03/08</td> </tr> <tr> <td>YIP</td> <td>19/03/08</td> <td>19/03/08</td> </tr> <tr> <td>YIP</td> <td>19/03/08</td> <td>19/03/08</td> </tr> </tbody> </table>	Name	Design	Date	YIP	19/03/08	19/03/08	YIP	19/03/08	19/03/08	YIP	19/03/08	19/03/08	<p>MAIN CONTRACTOR :</p> <p>FUJITA CWF JOINT-VENTURE</p>	<p>E & M CONTRACTOR :</p> <p>CHUN WU E & M ENGINEERING LIMITED</p>	<p>SOM Aedas JV</p> <p>In association with</p> <p>ARUP 英國特許工程師 Cheong Cheong & Partners, Hong Kong Limited</p> <p>Mott MacDonald</p>	<p>Hong Kong International Airport, "AS-FITTED"</p> <p>SKYPLAZA BUILDING WORKS 1200KVA FSI GENERATOR ROOM LAYOUT PLAN LEVEL 3 ZONE 84</p>
Rev.	Date	Description	Checked	Appr.	Date	Description	Checked																																											
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Appendix E.1 Emergency Power Supply System No. 1 (BH 1, BH2, BH3 and BH4)



CONTRACT P850 - SKYPLAZA BUILDING WORKS
AS-CONSTRUCTED DRAWING

I hereby certify that the information contained in these 'AS-CONSTRUCTED' drawings is a true record of the Works as constructed.

Signed by: _____ Date: 04/11/2016
Per and on behalf of: Chen He Fu Joint Venture

Rev	Date	Description	Author	Check	Appr	Appr	Appr	Appr
A	10/12/15	AS-CONSTRUCTED	RL					
B	20/10/16	PROPOSED JOINT VENTURE FOR COMPRESSION	RL					
C	17/03/16	REVISED AS PER JAV'S COMMENT REF. COMPRESSION	RL					

Contractor's Signature for Approval			
Name	Date	Scale	Signature
CHEN HE FU	04/11/2016	SCALE: 1/1	[Signature]
CHEN HE FU	04/11/2016	SCALE: 1/1	[Signature]
CHEN HE FU	04/11/2016	SCALE: 1/1	[Signature]
CHEN HE FU	04/11/2016	SCALE: 1/1	[Signature]

MAIN CONTRACTOR : CWF JOINT-VENTURE	E & Y CONTRACTOR : CHEN HE FU ENGINEERING LIMITED	SOM Aedas JV In association with: 	 HONG KONG AIRPORT AUTHORITY 香港國際機場管理局
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Scale: 1:50 (R, A), 8:1 Date: 04/11/2016	Drawing No: CWF / P850 / E / 09457 Sheet No: 1 of 1
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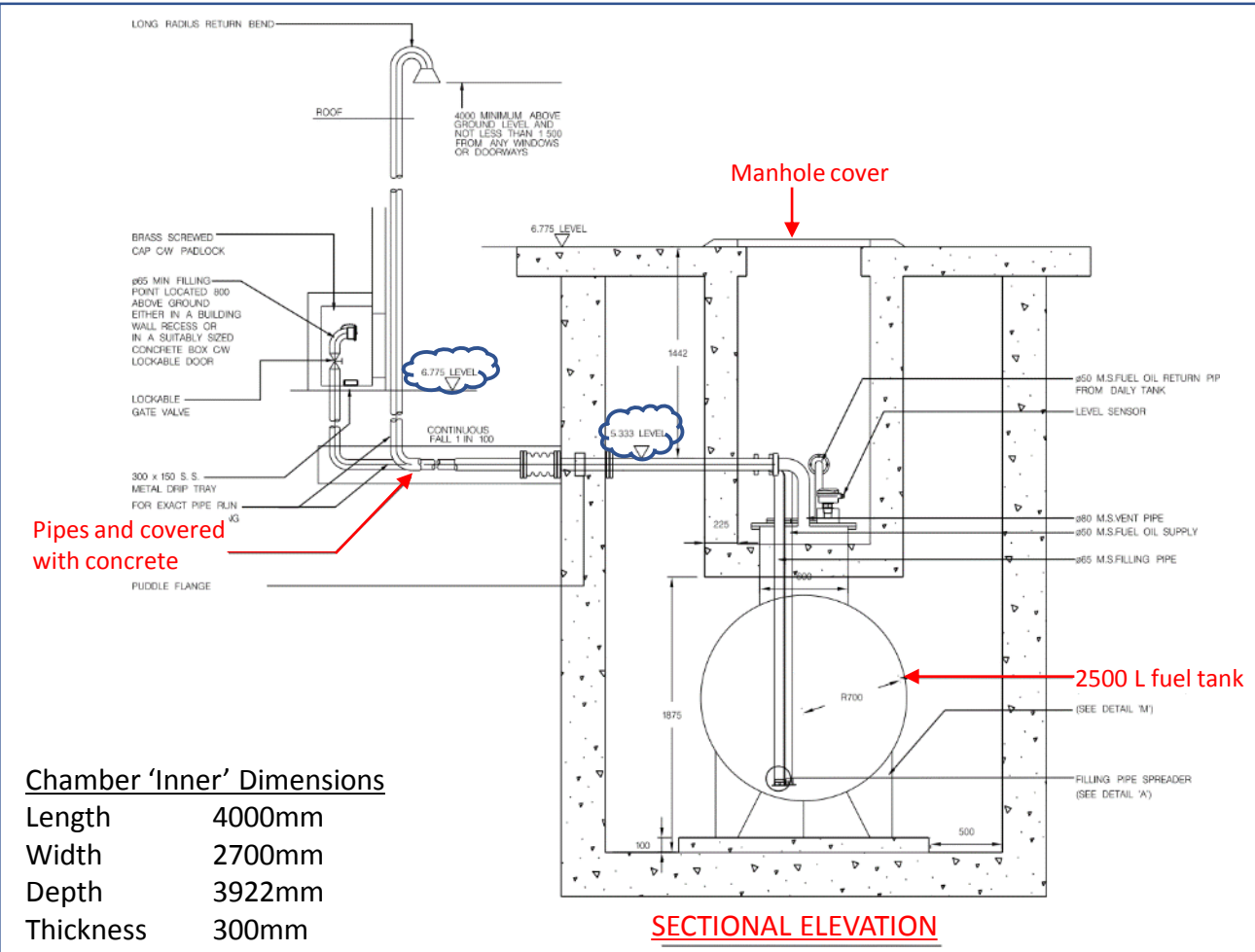
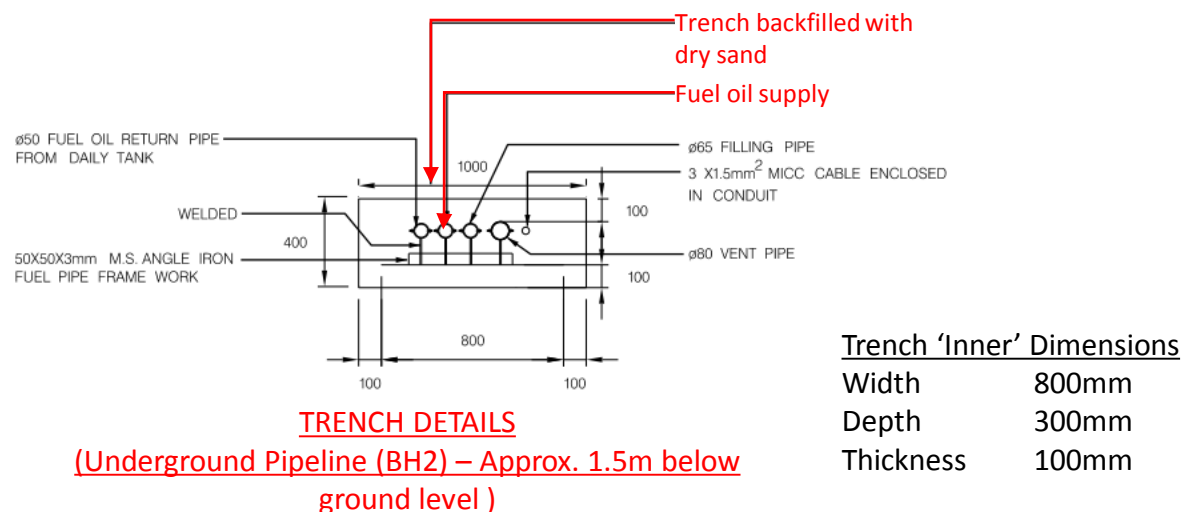
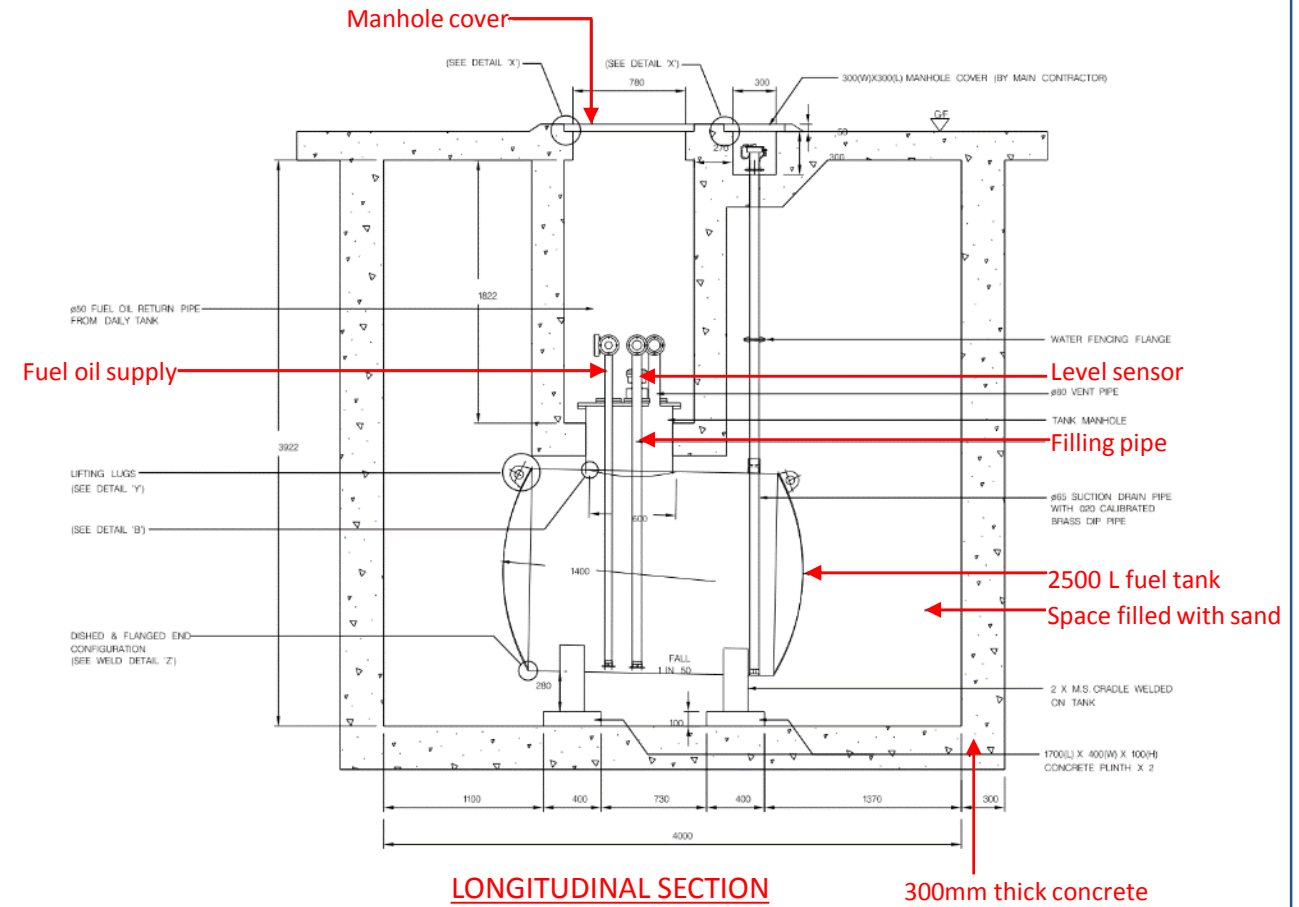
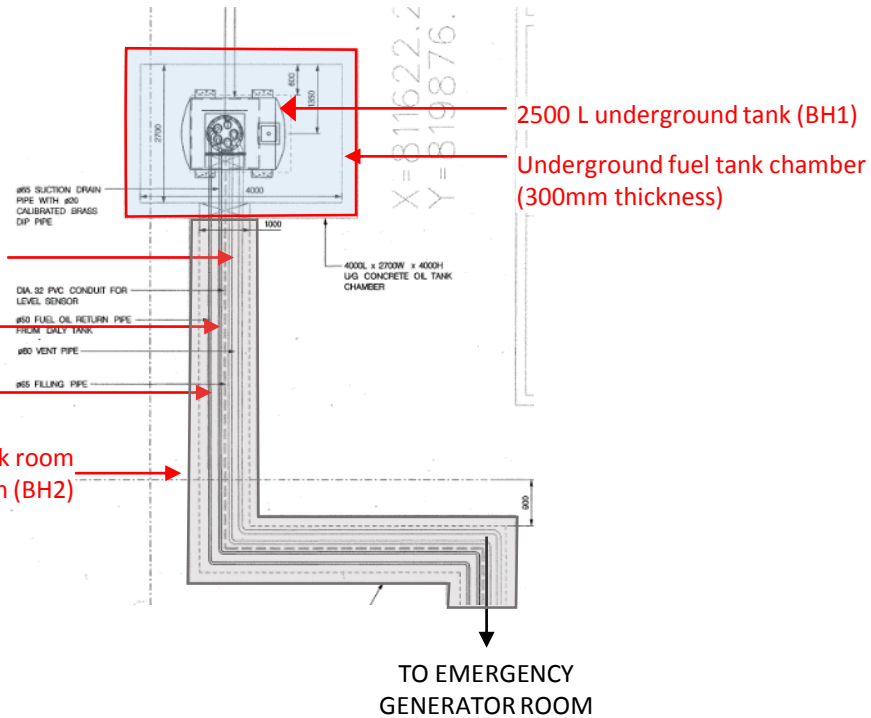
Appendix E.1 Emergency Power Supply System No. 1 Details of BH1 (2,500 L Underground Fuel Tank) & BH2 (Underground Fuel Pipeline)



Notes

- Underground fuel tank fully encased in 300mm thick concrete chamber
- Space between the tank and the chamber is filled with sand
- Test run of emergency generator conducted monthly (for 30-60 mins)
- Manhole chamber of U/G tank is checked monthly and re-filled approx. every 6 months
- The quantity of fuel inside the tank is automatically monitored by level sensor. No sign of leakage is detected.

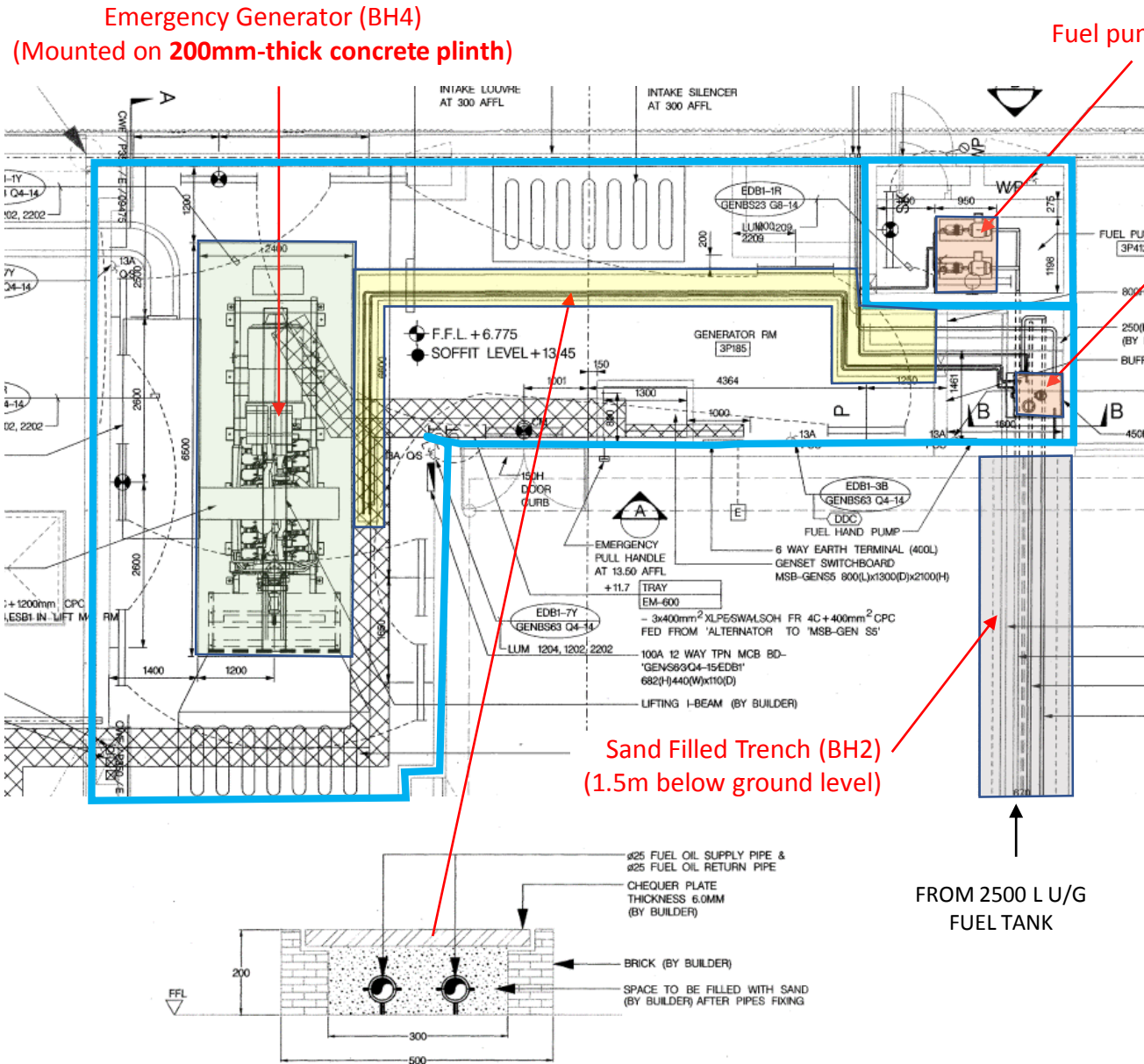
PLAN VIEW



Appendix E.1 Emergency Power Supply System No. 1

Details of BH3 (450 L Above-ground Fuel Tank) & BH4 (Above-ground Emergency Generator)

PLAN VIEW



Emergency Generator (BH4)
(Mounted on 200mm-thick concrete plinth)

Fuel pump room

450 L Fuel Tank (BH3)



Fuel pump room



450 L fuel tank (BH3)



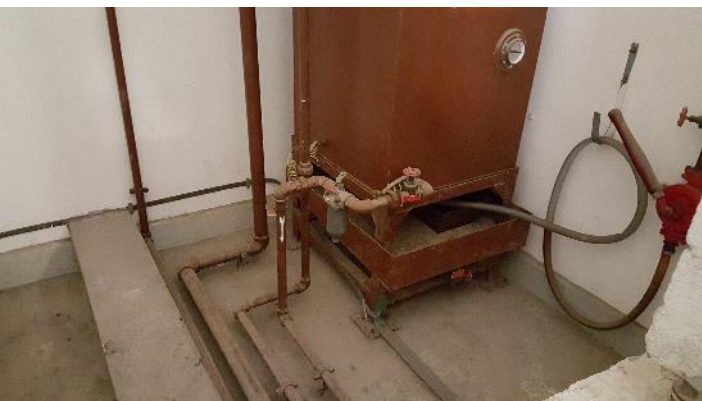
Fuel pipes to/from 450L fuel tank and the generator



Fuel pipes within the fuel tank chamber (leading to generator BH4)



Sand filled trench containing fuel pipes (outside the fuel tank chamber)



Metal drip tray and concrete curb surrounding fuel tank

Supply and return pipe from fuel oil tank
(Sand Filled Trench at floor level)

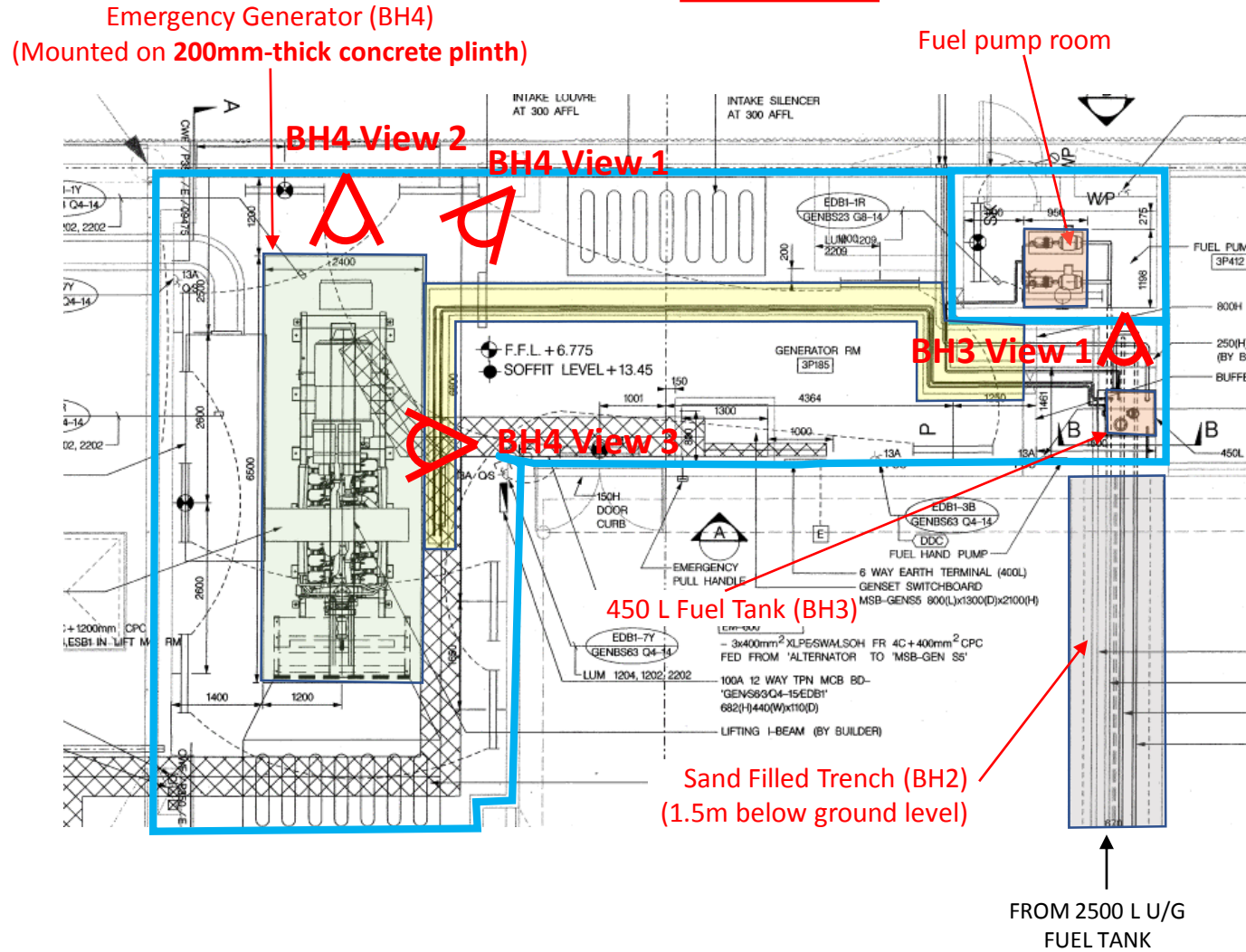
Notes

- Both the fuel tank and generator mounted on intact concrete floor with no any oil stain.
- Fuel tank with metal drip tray and surrounded by concrete curb
- Fuel pipes inside sand filled concrete trench
- Test run of emergency generator conducted monthly (for 30-60 mins)
- Fuel tank is checked monthly and re-filled approx. every 6 months. No fuel leakage was recorded.

Appendix E.1 Emergency Power Supply System No. 1

Details of BH3 (450 L Above-ground Fuel Tank) & BH4 (Above-ground Emergency Generator)

PLAN VIEW



BH3 View 1 – concrete floor condition underneath 450 L fuel tank



BH4 View 1 - Emergency Generator (BH4) (Mounted on 200mm-thick concrete plinth)



BH4 View 2 - concrete floor condition underneath Emergency Generator



BH4 View 3 - concrete floor condition underneath Emergency Generator