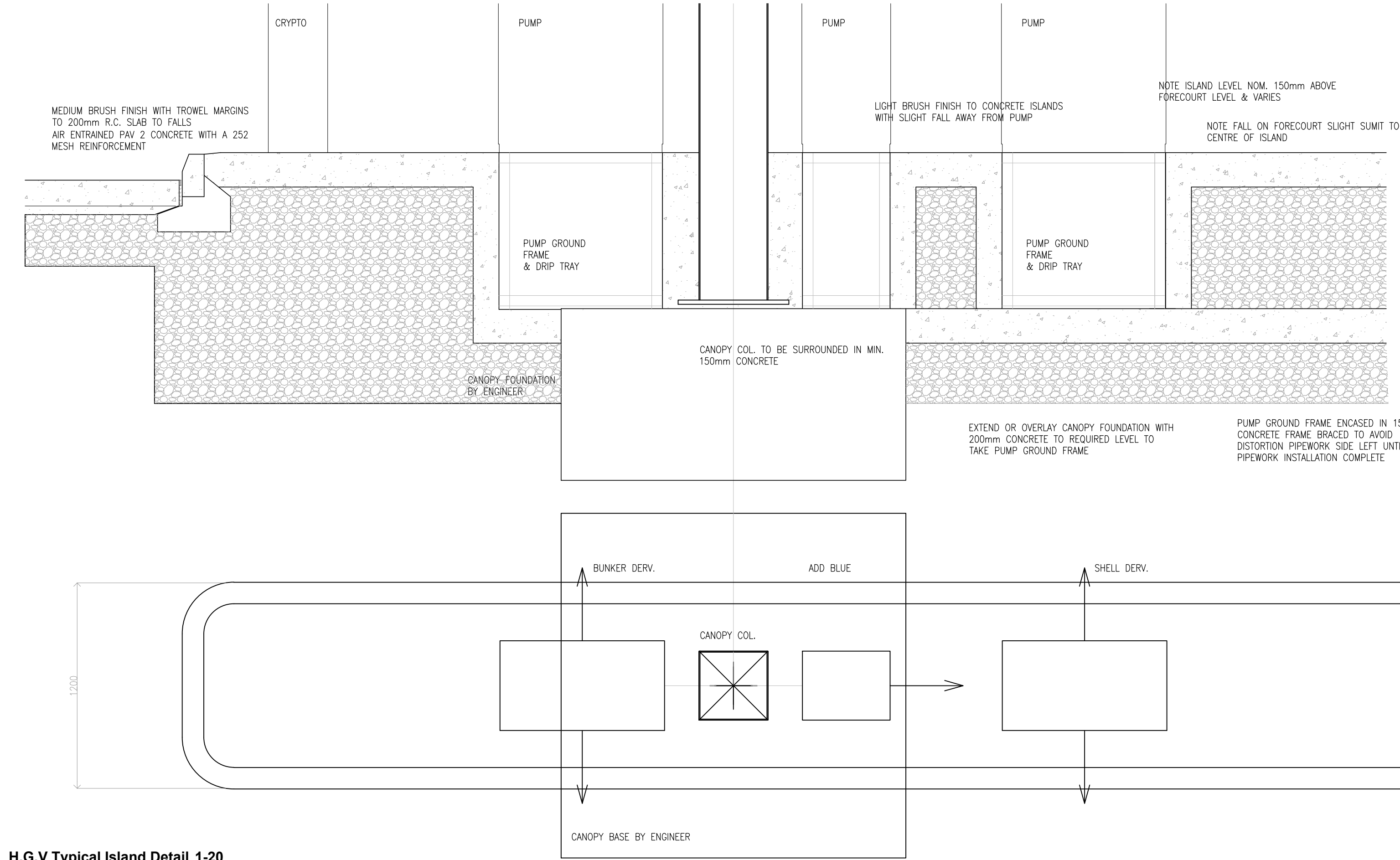
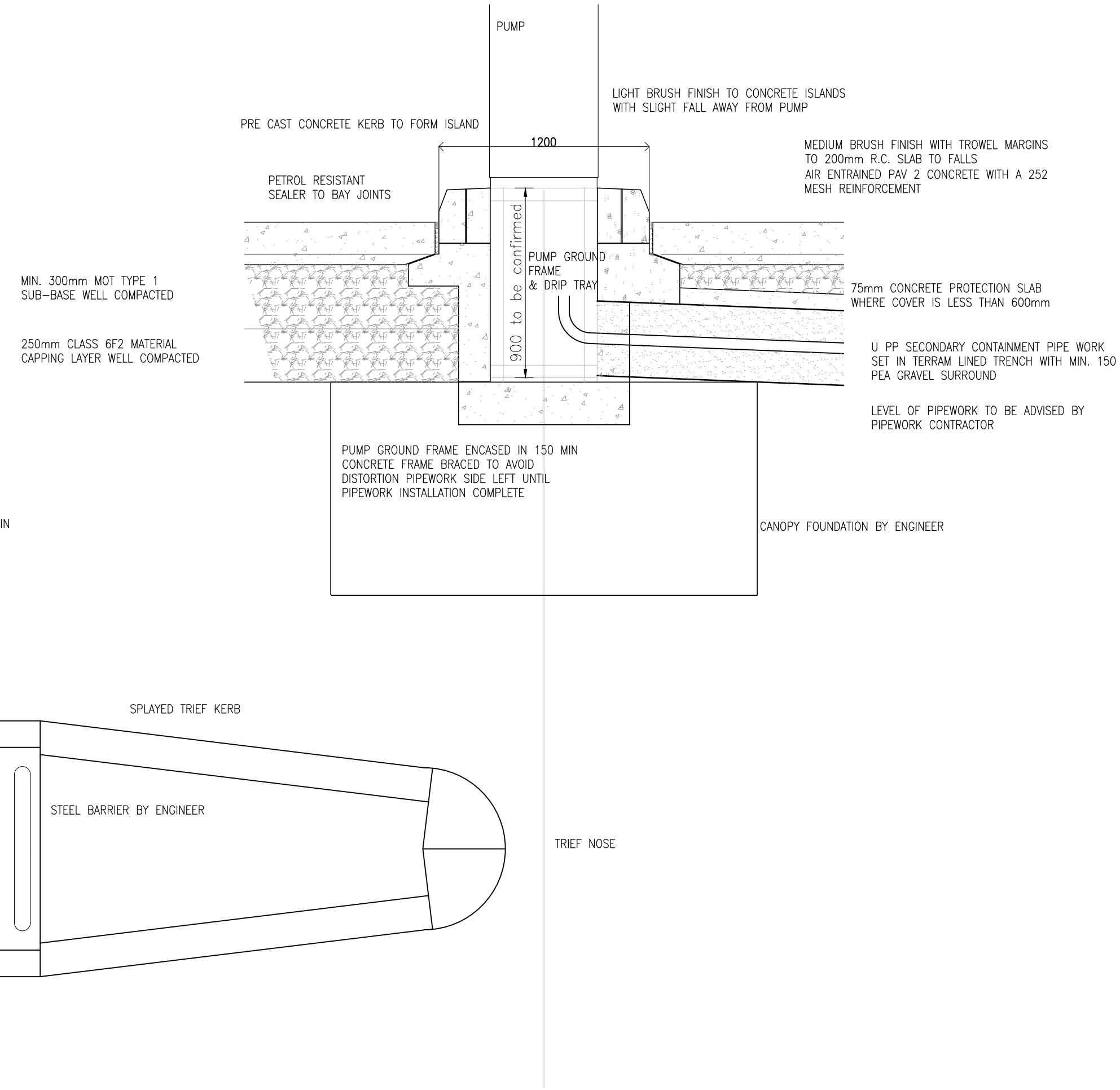


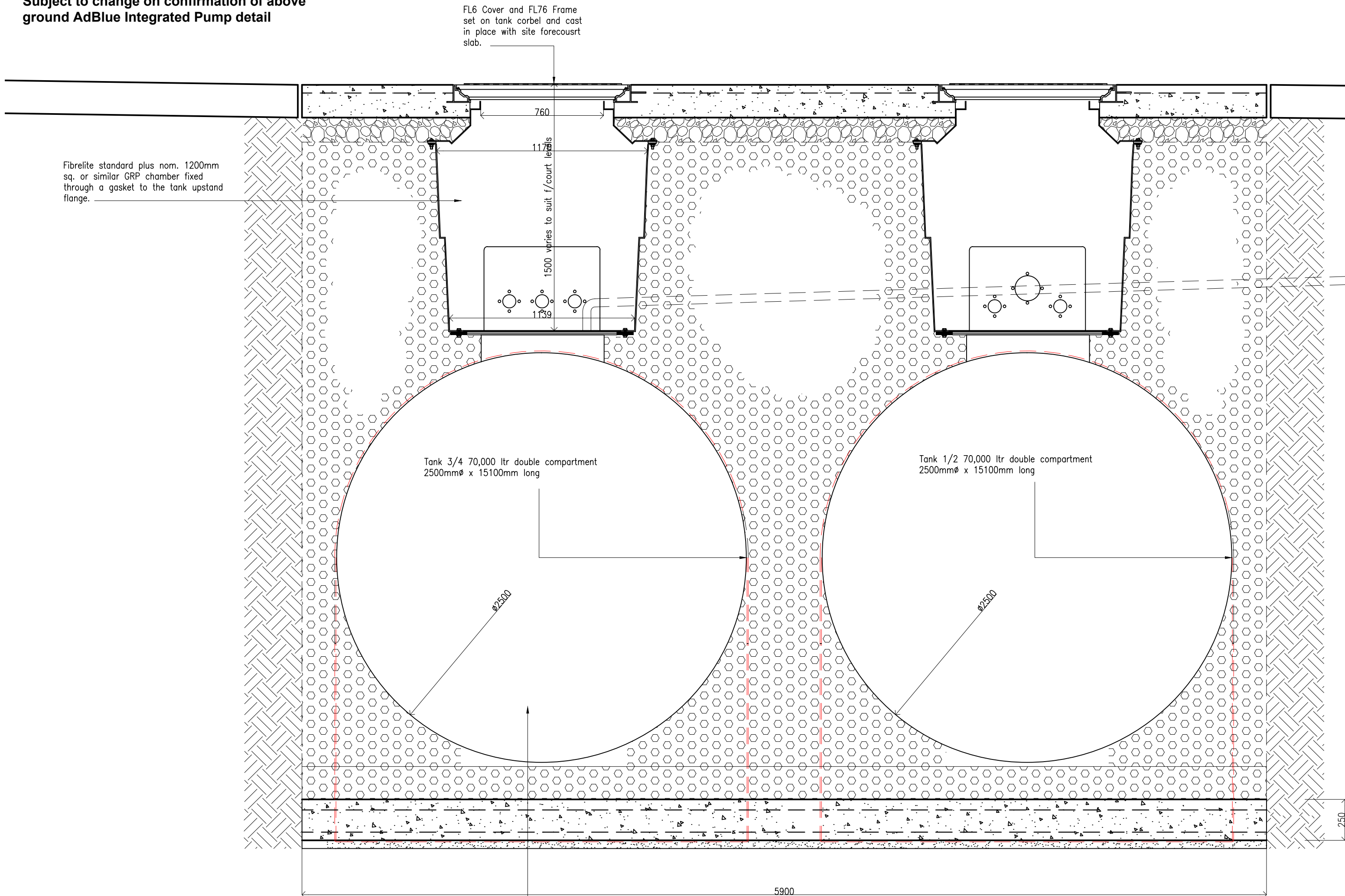


H.G.V Typical Island Detail 1-20

Subject to change on confirmation of above ground AdBlue Integrated Pump detail



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Pipework laid to a minimum gradient of 1:100
Pipes laid in pea gravel bed and surround on a geotex membrane.

- 1.LOWEST FORECOURT LEVEL = 114.150
- 2.LESS 0.500 COVER TO LINES
- 3.LESS FALL 0.200 & 0.075 PIPE DEPTH
- 4.LESS TURN DOWN TO TANK LID 0.100
- 5.ALL TANK LIDS AT say = 113.275
- 6.LESS TURRET 0.100
- 7.LESS TANK DIA 2.500
- 8.LESS 0.200 PEA GRAVEL
- 9.LESS 0.250 CONC. SLAB
10. LESS 0.050 BLINDING CONC.
11. EXCAVATION LEVEL = 110.175

GeoEnvironmental Investigation report ref: A2352/18 by Earth Environmental & Geotechnical Ltd shows exploratory borehole data SW1, 2 & 3 with localized ground water levels on site between 2.00m & 3.00m

EXISTING SPOT LEVEL AT PROPOSED TANK LOCATION = 113.750

APPROXIMATE GROUND WATER LEVEL IN RELATION TO BOREHOLE INFORMATION = 110.750

IT SHOULD ALSO BE NOTED THAT TRIAL PIT REF: TPV WAS DUG IN CLOSE PROXIMITY TO THE PROPOSED TANK INSTALLATION TO A DEPTH OF 3.10M AND NO WATER STRIKE WAS RECORDED.

TANK INSTALLATION RISK ASSESSMENT.
The purpose of this risk assessment is to ensure there is no increase in risk to ground water or land contamination as a result of this installation.
The tanks are double skin steel tanks manufactured to industry standards. The interstitial space is monitored with leak detection on a 24hr. basis with an alarm system back to the operator Any leak therefore, would not breach the integrity of the twin skin tank.
The installation of the tanks is designed to provide max. protection against damage and corrosion. The fill pipes will be twin skin UPP. pipe work installed in one continuous length surrounded in pea gravel to avoid external damage.
The suction lines and vent lines are UPP. pipe work installed in pea gravel to avoid external damage.
There will be a tank gauge / monitoring system (VEEDER ROOT) This will monitor stock loss on a 24/7 basis and is monitored by an independent monitoring company. There is an over fill alarm on the gauging system.

SUBJECT TO FINAL LEVELS ARRANGEMENT

Rev	Issued for planning discharge	19/10/18
	Description	Date

PULMANN ASSOCIATES ARCHITECTS

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Tender Issue

Project: **Petrol Filling Station**
Client: **The Kay Group (UK) Ltd**
Site: **Ruabon Park
Park Road
Ruabon
Wales**

Drawing: **H.G.V Tank Detail**
Drg No: **M18-26-17** Rev: **01**

Scale: **1:20** Paper: **A1** Date: **Sep 2018**