

Paul Whitelegg

From: Gary Calderbank
Sent: 17 August 2020 10:11
To: James Summerfield; 'Nic Evers'
Cc: Carl Glover; Steve Watson; Paul Whitelegg
Subject: SVH - Refuel Station
Attachments: Refuel Station Specification.pdf

James,

Please find attached a copy of our proposal for the refuel station which incorporates the requirements of SVH

- 2 x 10,000l tanks
- Adblue
- 2 x single fill pumps – both fast fill (1 x 70l/min and 1 x 90l/min)
- Leak detection
- Hi/Low level alarms.

Please note the change to two separate pumps in lieu of a twin pump as detailed adds another £2943.00.

A response by the end of the week would be appreciated in relation to the above in order to assist procurement.

Kind Regards,

Gary



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Proposal

1. To supply two double skinned steel, cylindrical, below ground fuel storage tanks. Tank specifications as follows;
 - Dimensions 1,900mm diameter by 4,150mm length
 - Steel grade BS EN 10025 S275. 6mm inner/ 4mm outer
 - Blast cleaned and painted with one coat Endoprene Polyurethane at 800 micron DFT
 - 600mm x 600mm manway lower access shaft to each tank
 - Pre-strapped to A252 steel mesh base frame for simple and safe installation
 - Two Atlas Mono II manway access chambers (one per tank), integrity covered by 10 year manufacturer's guarantee
2. To deliver the tanks to site and offload directly into the excavation, subject to suitable access available for the vehicles to set down.
3. To supply up to 60 metres of secondary contained Durapipe plastic fuel pipework (10 metres per fill line, 20 metres per suction line). Fuel lines proposed are two suction lines to feed the twin diesel pump, and two offset fill pipes (one per tank) with overfill prevention valve.
4. To supply up to 20 metres of primary containment Durapipe plastic fuel pipework (10 metres per vent line).
5. To supply a Fill and Ventmaster combined offset fill point and vent stack, including 4 metre high galvanised steel vent pipe with cap and 3" offset fill point with cap, chain and safe working capacity signage.
6. To supply two FT4000 AP single diesel pumps. Units feature;
 - 70 litre per minute dispensing speed to pump one
 - 90 litre per minute dispensing speed to pump two
 - High accuracy metering - +/- 0.5%
 - Automatic cut off nozzle and 3 metre hose
 - Stainless steel frame and panels
 - Large display showing pump throughput and totaliser
7. To supply an OLE 5020 tank gauge with pressure sensor accurate to +/- 0.25% to each tank. Unit features digital litrage display, ullage calculation display, integrated high and low level alarms.
8. To supply an SGB dry, overpressure leak detection system to monitor the interstitial space between the tank skins for product leak.



9. To supply, deliver and offload a bunded plastic AdBlue storage tank. Tank specification as follows;

- Dimensions 2.840mm long by 1,520mm wide by 1,650mm high
- Lockable lift lid cabinet housing pump, gauge and fill point
- Powered pump with flowmeter, 4 metre hose and automatic nozzle
- TODO 2" fill point
- Clock style float gauge

10. To supply engineers to install and commission the above.

Similar past projects

Vehicle dealership, Canterbury

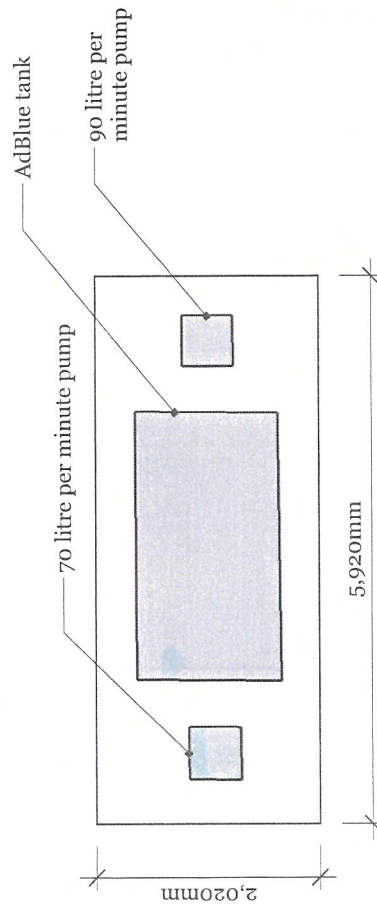
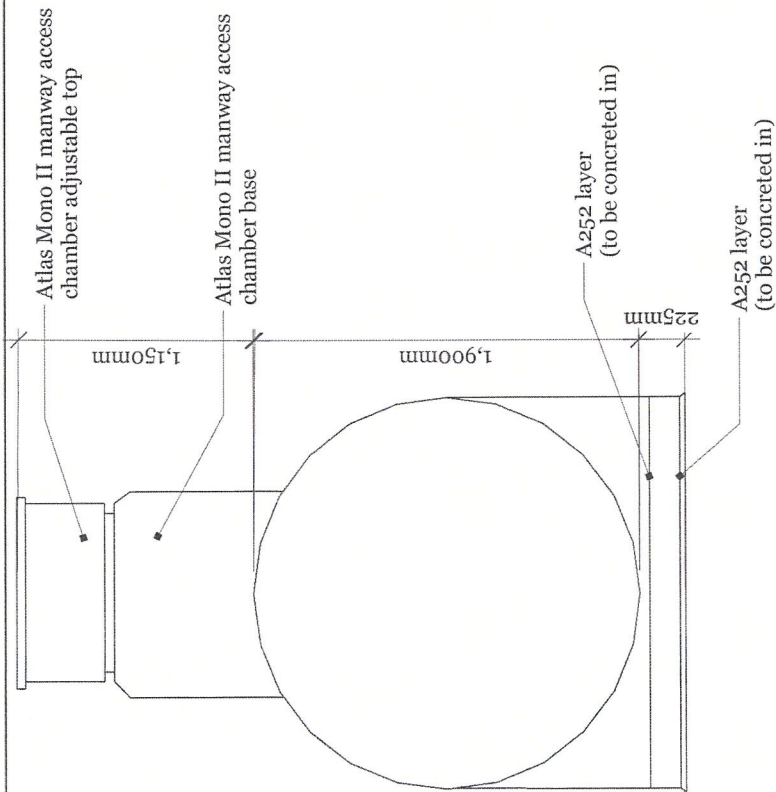
Supply and installation of a 20,000 litre below ground split 10,000 litres each for petrol and diesel with twin product pump and fuel management system. Project included design, supply and installation alongside hazardous area electrical works and assisting the client in obtaining a petroleum license.



Ocado, Andover

Supply and installation of a 75,000 litre below ground fuelling facility split 45,000 litres diesel and 30,000 litre for petrol. Three fuel islands and six twin product fuel pumps, all controlled by fuel management systems. Project included design, supply and installation alongside hazardous area electrical works and assisting the client in obtaining a petroleum license.





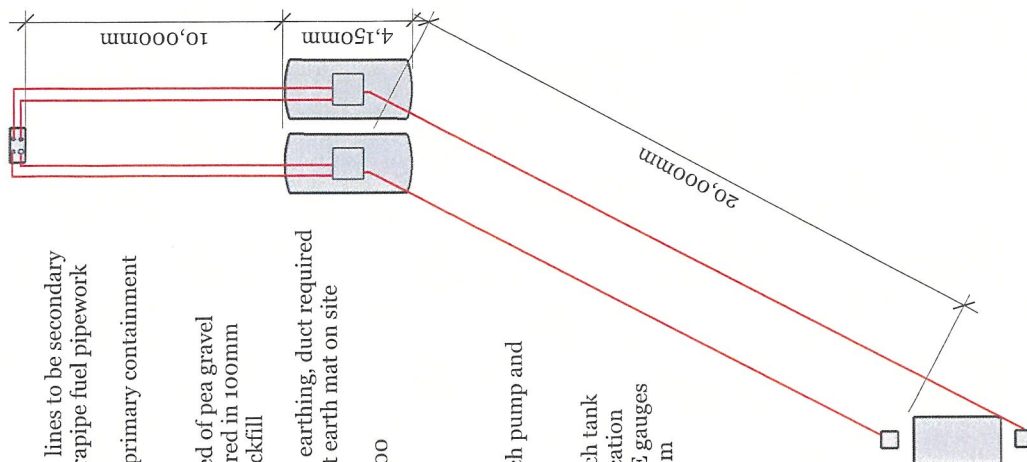
PROPOSED FUEL ISLAND FOOTPRINT

Below ground pipe notes:

- 1) All suction and offset fill lines to be secondary containment plastic Durapipe fuel pipework
- 2) All vent pipework to be primary containment Durapipe fuel pipework
- 3) Pipe to be rested on a bed of pea gravel 100mm deep, then covered in 100mm of pea gravel prior to backfill
- 4) Offset fill point requires earthing, duct required from fill point to nearest earth mat on site
- 5) Fall for fill pipework 1:100

Ducting requirements:

- 1) Power duct to power each pump and the AdBlue tank
- 2) Two comms ducts to each tank chamber, running to location within building for OLE gauges and leak detection system



Client: Hargreaves Contracting



Salford Van Hire fuel facility layout

REVISIONS			
MM/DD/YY	REMARKS		
1 12/08/20	B Fowler		
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