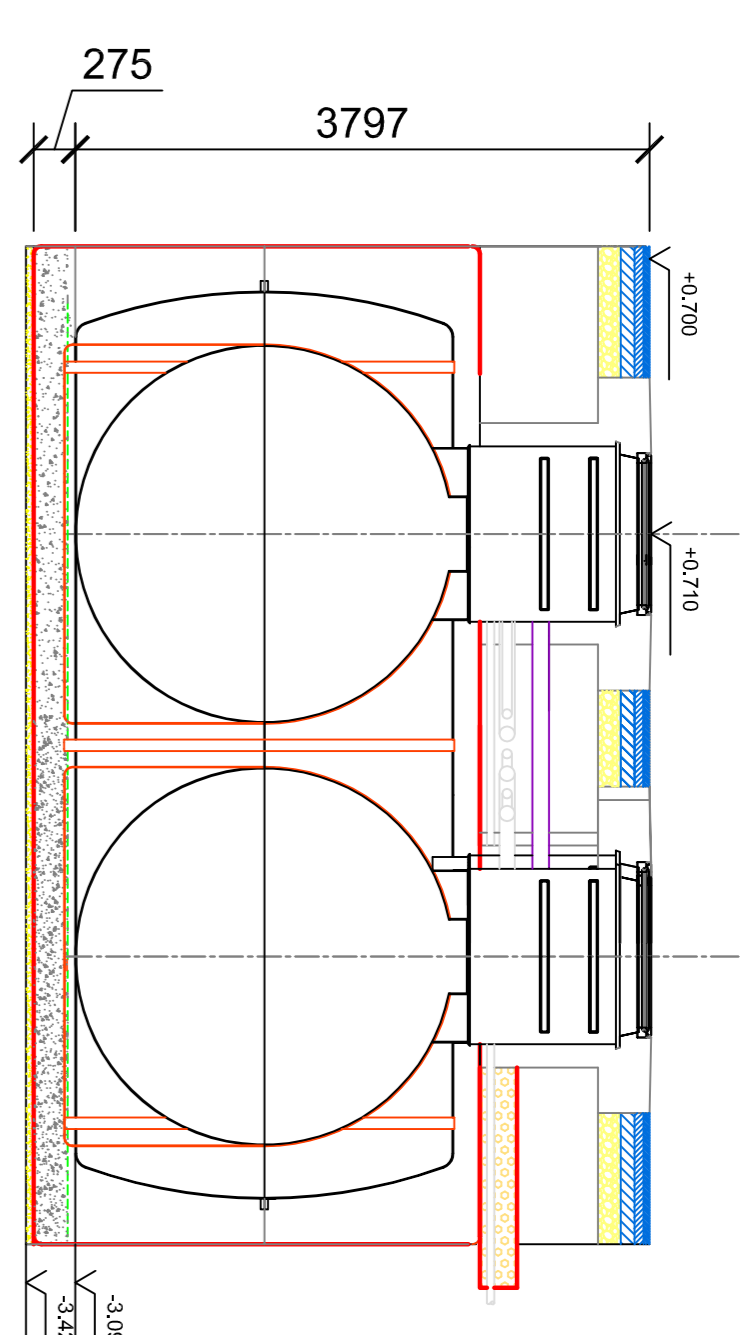
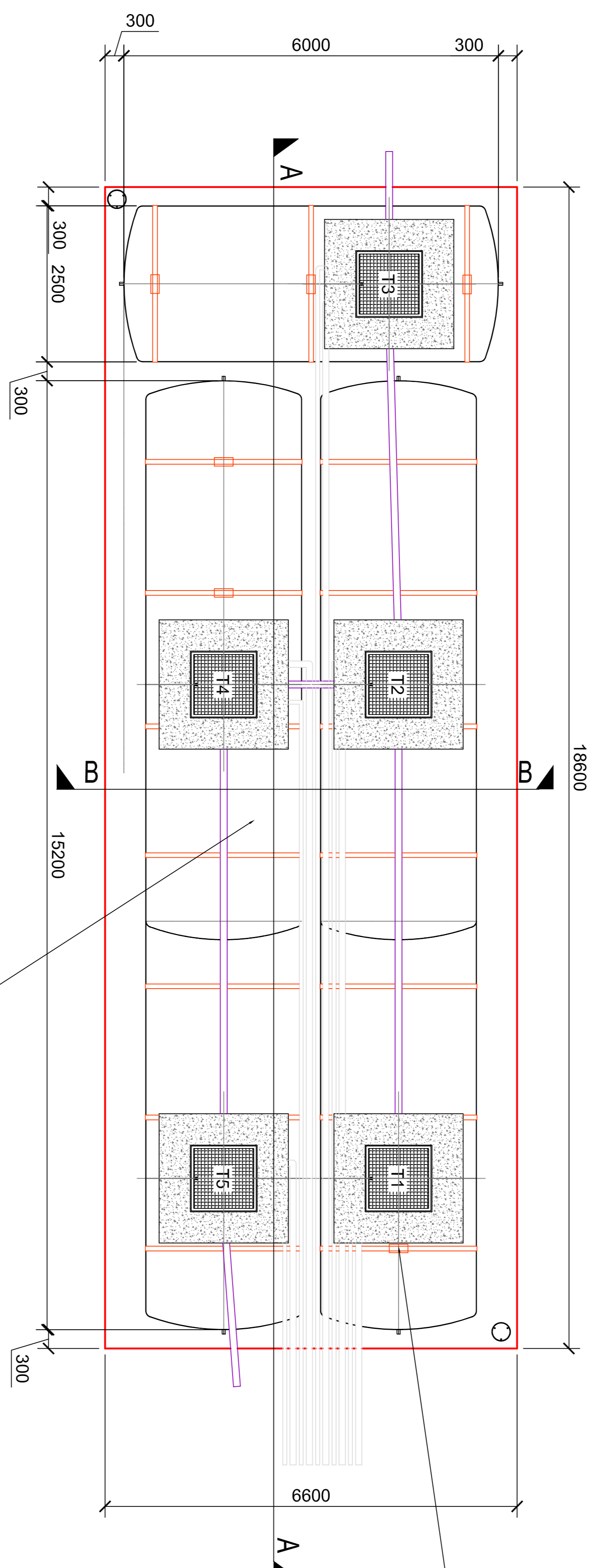


VIEW A:A



VIEW B:B



TANK FARM PLAN VIEW

suction pipe work omitted for clarity

FUEL INSTALLATION NOTES

Note: Site has a very high ground water level and it may prove necessary to undertake dewatering procedures on all deep excavations. Granular sub base and fill material must be contained within Ferrom geobedle membrane to prevent migration.

Tanks to be connected to Tesco Design standard and provided by Each compartment to be fitted with a Tesco approved overfill prevention device. Detection system to be installed, site leader tank fitted with the tank detection system and to the tank double skin monitoring point. System to be topped up with anti-freeze on commissioning.

Tank installation: To comprise of 2x No 70,000Ltrs and 1 no 25,000 ltr double skinned steel storage vessels to be arranged as shown, sited to a 275mm thick concrete base. The tanks shall be installed on a concrete pad of A232 mesh, as engineer details. Tank walls to be formed prior to pouring base to completely envelope excavation. Tank vessels are to be fully enclosed in pea shingle confinement system and designed to contain ground water during installation. Design for this to be provided by Structural Engineer.

Tank chambers: Tank chambers to use 1 no square standard, Welded Move Atlas manway per compartment. Monitoring Wells: Allow for 2x no. monitoring wells placed within tank farm approx. 5000mm deep beds with a perforated steel liner and terminated with a screw down cover and man cover.

Pump Islands: From 4x no. 50g boom shaped pump islands, see Tesco standard pump islands, finished with 300mm dia. concrete with 750. layer of A232 mesh. Islands finished in selected blue. Islands to be set in concrete forecount with isolation margin.

PREWORK: Method in accordance with AS/ENP 9126 Design, Construction, Modification and Decommissioning of Filling Stations (2nd Edition), (the Blue Book). Pipe work to be tested in accordance with the Blue Book and witnessed by the local Petroleum Office.

All pipework to be laid with a 1:100 fall back to the tanks. Care to be taken to avoid any low points leading to possible liquid traps. Pipes to be laid on bed of 150 mm pea shingle on completion. Pea shingle to be contained within Ferrom geobedle membrane to prevent migration. All tanks to be sealed using Lablex 677 fused sealing compound used in accordance with manufacturers instruction. Hedges and Litbrage used in accordance with manufacturers instruction. Hedges and Litbrage used in accordance with manufacturers instruction. Hedges and Litbrage used in accordance with manufacturers instruction.

Stage 2 vapour recovery action lines to be installed on all sites even if pumps are fitted with self contained Stage 2 VRS. Stages: 50 mm Drainage Xtra, 63 mm Drainage Xtra, 63 mm Drainage Xtra, 63 mm Drainage Xtra, 63 mm Drainage Xtra, 63 mm Drainage Xtra. Return: 63 mm Drainage Xtra from tank 2 to manhole and 12 mm Drainage Xtra from tank 1 to manhole. To be capped off for future use.

Atlas sheet fill and vent point to be provided by Berry & Co. All pipework to be installed in accordance with Tesco standards. Vent stack to be fitted with vapour control system supplied and fitted by Specialist Contractor.

DISPENSERS: OPV Galaxy system by Specialist Supplier. OPV Galaxy system by Specialist Supplier.

TANK NO	GRADE	WORKING CAPACITY	FEEDING POINTS
1	CITD	20,100 LTR	PUMPS 96, 78
2	UNL	38,800 LTR	PUMPS 96, 78
3	SUL	24,200 LTR	ALL PUMPS
4	UNL	38,800 LTR	PUMPS 12, 34
5	CITD	20,100 LTR	PUMPS 12, 34

Pump Grades

P1/2 - Customer entry grades from column - UNL T4, SUL T3 / CITY DIESEL T5
 P3/4 - Customer entry grades from column - UNL T4, SUL T3 / CITY DIESEL T5
 P5/6 - Customer entry grades from column - UNL T2, SUL T3 / CITY DIESEL T1
 P7/8 - Customer entry grades from column - UNL T2, SUL T3 / CITY DIESEL T1
 GRADE ORIENTATION TO BE CONFIRMED PRIOR TO INSTALLATION. AS LAYOUT IS SUBJECT TO CHANGE DEPENDENT UPON PUMP MANUFACTURE

CONSTRUCTION ISSUE



Torex™
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4E Sherwood Road, Aston Fields,
 Bromsgrove, Wores, B60 3DR,
 UK
 Email: info@torex.co.uk
 www.torex.co.uk

REV	DATE	COMMENTS

TITLE	TYPICAL TANK DETAILS
SITE	THE BILL ST MARY'S ROAD
LOCATION	RAMSEY
DRAWING NO.	04
DATE	JULY 09
SCALE	1:30
DRAWN BY	CWA