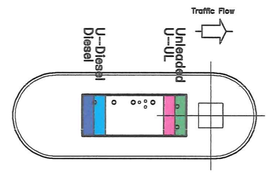
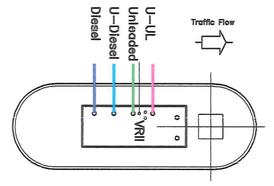


Pump Layout Detail

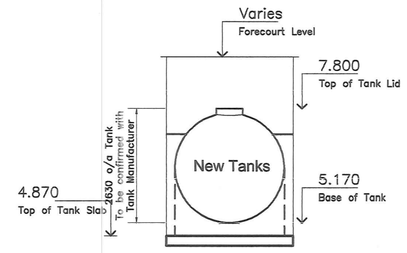
Grades available to the Customer



Pump Cradle Detail

Pipefitter Grade connection arrangement

Not to Scale



Section through Tank Vault

Scale 1:100

Tank to pump schedule

TANK NO	CAPACITY(l) NOMINAL	CAPACITY(l) ACTUAL	CAPACITY(l) WORKING 95% OF ACTUAL	GRADE	PUMPS 1 2	3 4	5 6	7 8	9	10 11
1	15000	15253	14250	U-ULG	○	○	○	○		
2	35000	35253	33250	ULG			○	○		
3	35000	35253	33250	ULG	○	○				
4	15000	15253	14250	U-Diesel	○	○	○	○		
5	50000	50506	47500	Diesel	○	○	○	○	○	○

No allowance has been made for interconning Tanks Numbered 2 & 3

Stage II Vapour Recovery drains back to Tank No 2

Denotes Ultimate Diesel Suction Line
Denotes Ultimate Unleaded Suction Line
Denotes Diesel Suction Line
Denotes Unleaded Suction Line
Denotes Vent Lines
Denotes Offset Fill Lines
Denotes Stage II Vapour Recovery

Level Schedule

Forecourt level at S1	9.450 Cradle Level
Forecourt level at S2	9.300 Cradle Level
Forecourt level at S3	9.160 Cradle Level
Forecourt level at S4	9.020 Cradle Level

Item	Cover Level	Invert Level	Chamber depth
Tank 1	8.975	7.800 tank lid	1.175
Tank 2	8.830	7.800 tank lid	1.030
Tank 3	8.855	7.800 tank lid	1.055
Tank 4	8.960	7.800 tank lid	1.160
Tank 5	8.900	7.800 tank lid	1.100

Volume Percentage Schedule

Grade	Total Capacities	Volume Percentage
Unleaded	70,000	46.0 %
Diesel	50,000	34.0 %
U-Unleaded	15,000	10.0 %
U-Diesel	15,000	10.0 %
Total	150,000	100.0 %

ALL INSTALLATION WORKS AND EQUIPMENT TO BE AS BP STANDARD DRAWINGS

Tank Installation

Tanks to be double skin steel installation to standard details to suit ground conditions and local PO requirements with pea shingle surround, comprising of :-

3 No 50,000 Litre tanks.
(2 No-Double compartment split 15,000 / 35,000 Litre)

All labels to tanks and offset fills to be in litres and to show safe working capacity 95% of actual capacity tank No and type of fuel.

All other signs to HS (G) 41 and to BP specifications to be filled to tanks,
vents, and offset fills. locks to be fitted to all fill positions.

Risbridger over fill prevention valves to each tank fill point.

Tank gauges Veeder-Root TLS 350R with Magnetostrictive probs

DCD Veeder-Root DCD-UI compatible with above

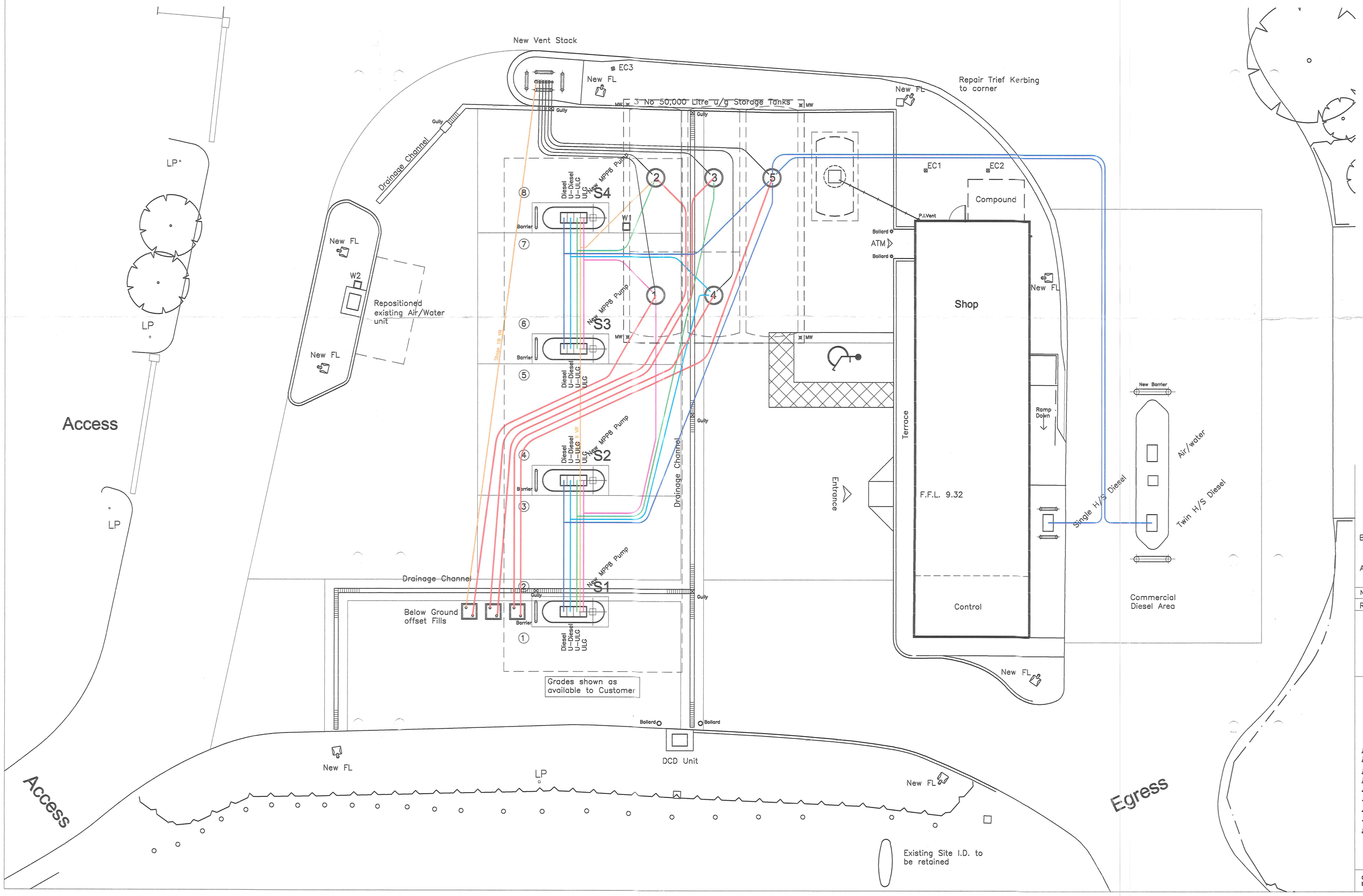
Control Gear AT&T NCR 2000 with RAP & DOMS interface

Monitoring Wells OPW 104 AOW

Tank monitoring system linked in with TLS 350R unit

Stage 2 vapour recovery

Vapour recovery to be taken from each pump to drain back to Tank No 2 - Unleaded



NR	DATE	DESCRIPTION
B	14.08.08	Working tank capacities amended to suit Cookson and Zinn (Tank Manufacturers) details. All Labels at 95%
A	24.07.08	Offset fill arrangement and electrical arrangement amended.

REVISIONS

BP OIL UK Ltd
Asset Development

BP OIL UK Ltd
Asset Development
WITAN GATE HOUSE
MILTON KEYNES
BUCKS MK9 1ES
Tel No 01908 853000
Fax No 01908 853999

DRAWN: JDL
DATE: July'08
DESIGN CHKED:
DATE:
APPROVED:
DATE:
ATRACK CHKED:
DATE:
SCALE: 1:100
scaled dimensions should not be taken from this drawing
(APPROPRIATE FOR A1 ONLY)

Budbrooke South
A46 Warwick Bypass,
Budbrooke,
Warwickshire, CV35 8RH

Petroleum Layout

DRAWING No	REV
BP/STD 13036-40	B

CAD REF: JENNINGS DESIGN LIMITED

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