

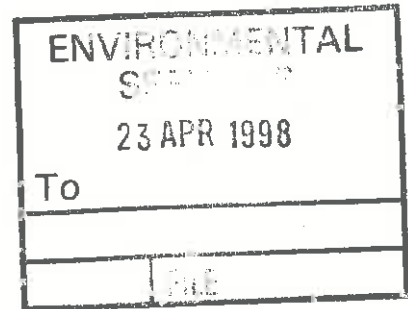
**SAINSBURY'S**

Group Legal Services

Our Ref: Vapour

20 April 1998

Environmental Health Officer  
Ipswich Borough Council  
Civic Centre  
Civic Drive  
Ipswich  
Suffolk  
IP1 2EE



Dear Sir

Sainsbury's Supermarkets Ltd, 40 Hadleigh Road, Ipswich, Suffolk, IP2 0BX,  
Environmental Protection Act 1990

Please find enclosed an application form and information pack for the process of vapour recovery for our above store. Also enclosed is a cheque for £100.00.

I would be grateful if any further correspondence could be forwarded to me at the Head Office address and **not** to the branch concerned.

Many thanks for your kind attention.

Yours faithfully

**MISS J DOWDLE**  
Licensing Assistant

J Sainsbury plc Stamford House  
Stamford Street London SE1 9LL  
Telephone 0171-695 7468  
Facsimile 0171-695 0011  
DX. No. 44308 Southwark  
[www.j-sainsbury.co.uk](http://www.j-sainsbury.co.uk)

Registered office as above  
Registered numbers  
J Sainsbury plc 185647 England  
Homebase Ltd 533033 England  
Savacentre Ltd 1236884 England  
Sainsbury's Supermarkets Ltd 3261722 England

**Application for Authorisation; Part 1**  
**Environmental Protection Act 1990**

**Section A: General Information**

- 1. Name and address of premises where process is/will be carried out.**

Sainsbury's Supermarkets Ltd  
40 Hadleigh Road  
Ipswich  
Suffolk  
IP2 0BX

Post Code :  
Telephone Number: 01473 286660  
Contact Name:

Position: Petrol Filling Station Manager

- 2. Name and address of applicant.**

J Sainsbury plc  
Group Legal Services  
Stamford House  
Stamford Street  
London

Post Code: SE1 9LL  
Telephone Number: 0171 695 7450

Contact Name: Mr E J Thompson

Position: Licensing Manager

- 3. Name and address of registered office.**

As in 2 above.

- 4. Name of the ultimate holding company.**

J Sainsbury plc

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5. Address for correspondence if different from (1) above.

J Sainsbury plc  
Group Legal Services  
Stamford House  
Stamford Street  
London SE1 9LL

6. Enclose a map/plan with the application showing the location where the process is/will be carried out. Where process is/will be carried out on only part of the premises please indicate the exact location on the plan enclosed.

See attached.

7. Is the service station located under permanent living quarters or working areas?

NO

8. When was vapour balancing equipment installed or when will it be installed?

1997

## Section B: Process and Control Information

9. Volume of petrol unloaded into the service station in each of the last three calendar years in cubic metres (ie litres divided by 1000). Circle the appropriate band.

YEAR	VOLUME OF PETROL/m			
1995	<100	100-500	501-1000	>1000
1996	<100	100-500	501-1000	>1000
1997	<100	100-500	501-1000	>1000

10. Are deliveries "Driver Controlled"?

YES

~~NO~~

11. At a maximum, how many tanker compartments discharge into storage tanks at any one time, or will do so once a vapour balancing system is in place. If the latter information is not known, a statement of what assessment will be made to determine this information and within what timescale. The information supplied under item 11 should be supplemented by a site specific assessment.

It has been determined by previous site assessments that the maximum number of tanker compartments to be unloaded at one time shall not exceed 2, this is to include diesel. This will be the standard at all Sainsbury's Supermarkets Ltd Petrol Filling Stations.

12. Measures taken or to be taken for vapour emission control, both during unloading and in storage.

Manifold Vent Pipes above ground.

A Pressure Vacuum Vent Valve is fitted to the vent pipe from the underground tank. The P/V vent has a pressure setting of 35mb (0.5psi) on the pressure side with a low vacuum setting at around 5mb (0.07 psi).

13. Please attach process diagrams and plans of vapour balancing equipment (including height and location of tank vent pipes).

See attached

14. Unloading procedure and instructions.

See attached

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15. Details of Supervision, Training and Qualifications of Operating Staffs (Details should be specific to on-site staff and include general statements concerning delivery drivers).

See attached

16. Schedule of maintenance of vapour balancing controls.

See attached

17. Schedule of examination and testing for vapour balancing controls.

See attached

18. Procedures or contingency measures in the event of vapour containment equipment failure.

Local Petroleum Officer to be informed as part of Standard Emergency Procedures.

I hereby certify that I am authorised to sign this application and all the information contained in this application is correct to the best of my knowledge and belief.

Name: (BLOCK CAPITALS)..... MISS J DOWDLE

Signature:..... 

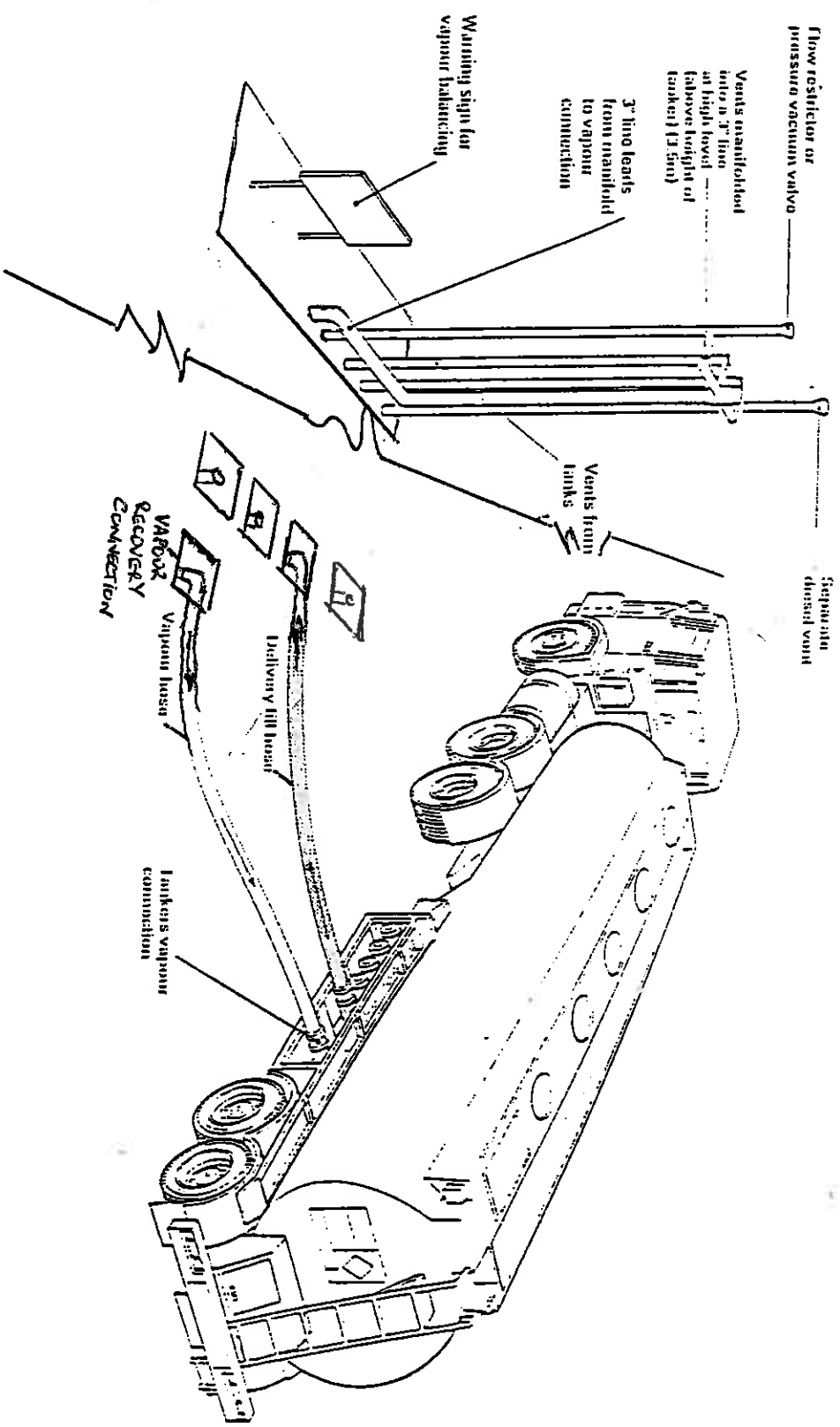
Designation:..... BUSINESS ASSISTANT

Date:..... 20.4.1998

Fee attached £100.00.

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### Vents Approx' Sweeters.



Vapour balancing installation with a manifold at high level

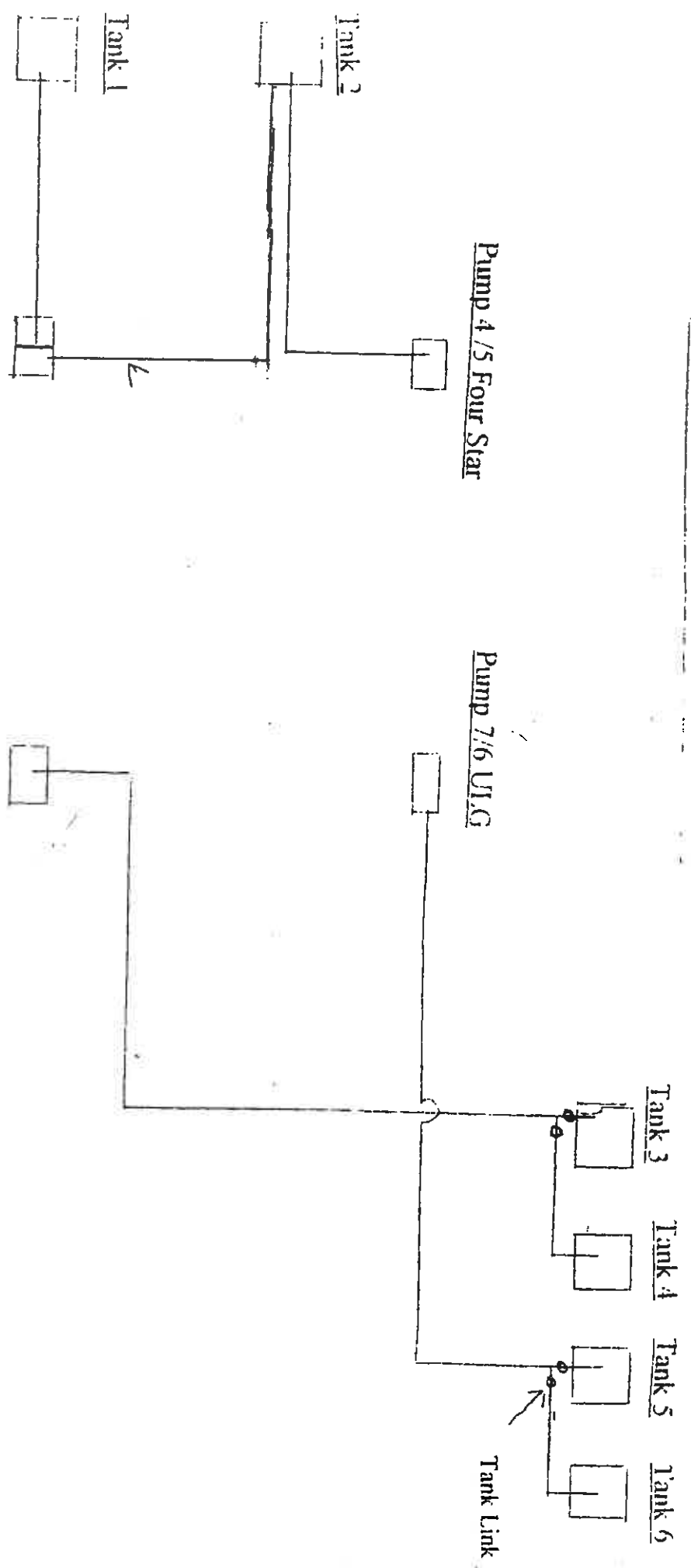
(b) HIGH LEVEL MANIFOLD WITH TANK FILLS BELOW GROUND AND VAPOUR RECOVERY CONNECTION BELOW GROUND. USE PREASURE RELEASE VALVE.

SCHEMATIC.

NOT TO SCALE

1  
S. K. P.

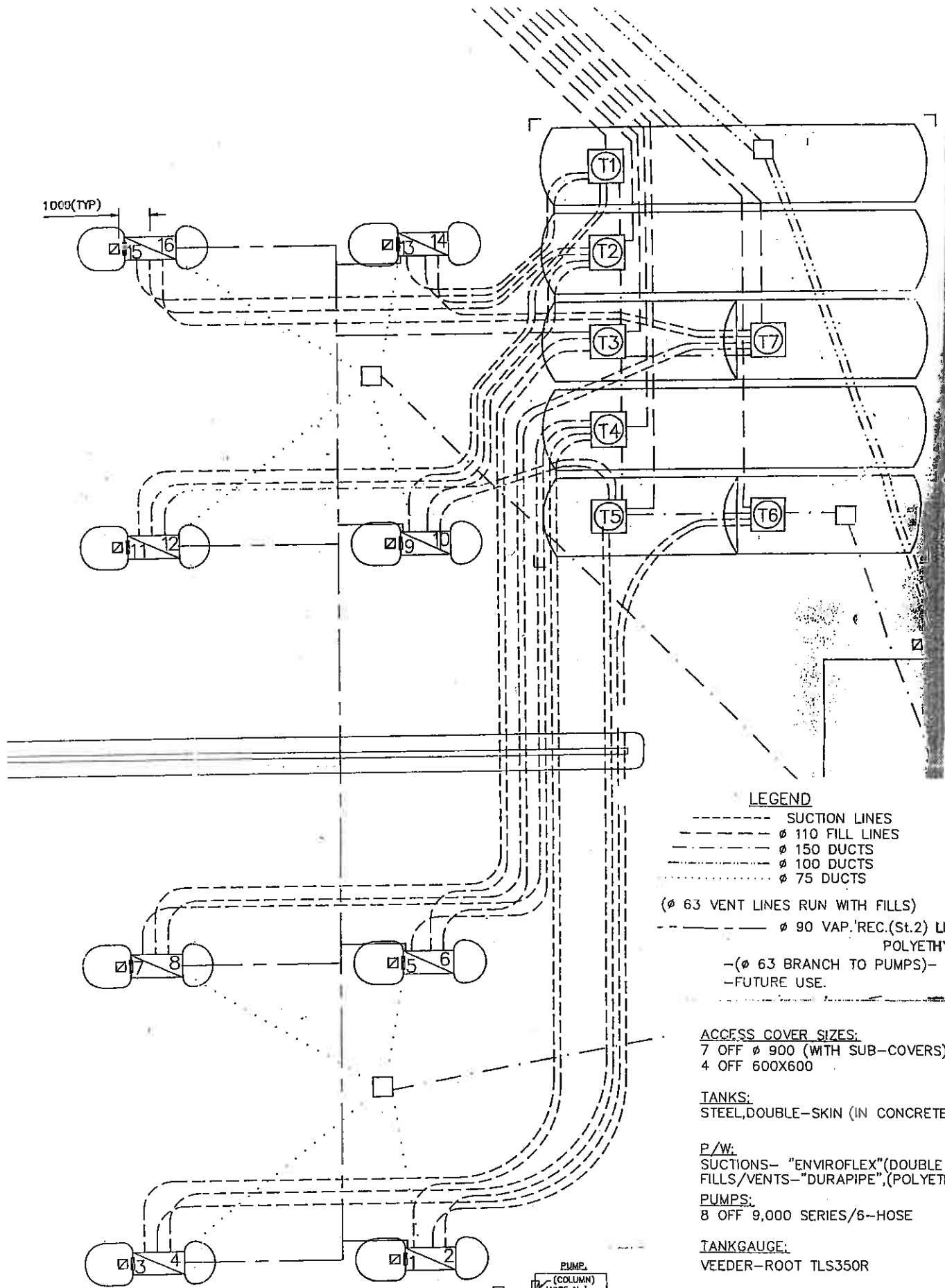
~~26190 lls~~  
13677 lls  
Ipswich.



Pump 3 ULG  
Pump 2 Four Star

Pump 1 Derv

Tank	Capacity	Product	To pump
ONE	26190 lls	ULG	3
TWO	26190 lls	4 Star	4, 5, 2
Three	13677 lls	Diesol	1
Four	13677 lls	Diesol	1
Five	13677 lls	ULG	7, 6
Six	13677 lls	ULG	2



**LEGEND**

- SUCTION LINES
- $\phi$  110 FILL LINES
- $\phi$  150 DUCTS
- $\phi$  100 DUCTS
- $\phi$  75 DUCTS
- ( $\phi$  63 VENT LINES RUN WITH FILLS)
- $\phi$  90 VAP. REC.(St.2) LINE  
POLYETHYLENE.
- ( $\phi$  63 BRANCH TO PUMPS)---
- FUTURE USE---

**ACCESS COVER SIZES:**  
 7 OFF  $\phi$  900 (WITH SUB-COVERS)  
 4 OFF 600X600

**TANKS:**  
 STEEL, DOUBLE-SKIN (IN CONCRETE)

**P/W:**  
 SUCTIONS- "ENVIROFLEX"(DOUBLE CONT'D.)  
 FILLS/VENTS-"DURAPIPE", (POLYETHYLENE).

**PUMPS:**  
 8 OFF 9,000 SERIES/6--HOSE

**TANKGAUGE:**  
 VEEDER-ROOT TLS350R

**N.B.:**  
 TANK BASE LEVEL (Btm. OF TANKS); 3800  
 BELOW F.F.L. DATUM OF 4.30

PUMP			
(COLUMN)			
HOSE No's.			
0	1	2	3
x	x	x	x

TANKS;			PUMPS;															
GRADE	CAPACITY, LITRES(NOM.)	No.	1	3	5	7	9	11	13	15	2	4	6	8	10	12	14	16
U/L	55,000	1							0	0	0	0						
4*	"	2							1	1	1	1						
4*	27,500	3			1	1												
U/L	55,000	4	0	0	0	0	0											
40	27,500	5	2	2				2	2									
4*	"	6	1	1														
DERV.	"	7			2	2				2	2							

TANK/DUCT CONNECTION

A	6/3/95	--	
ISS. DATE.	MOD.No.	(COMMENTS)	
DIMN/JN MM./ (USED ON)			
TITLE:			
J. SAINSBURY, --		DRAWING No.	
-Hadleigh Rd. IPSWICH.		G-823-91	
TANK P/W. DUCT LAYOUT		Sheet 1 of 1 sheet	



TITLE: J. SAINSBURY, -  
 DIM. IN MM. / (USED ON)  
 ISS. DATE: 8/3/95  
 MOD. NO. (COMMENTS):  
 APPR'D/CHECKED:  
 DRAWN: 1/5/95  
 SCALE: 1/4" = 1'-0"  
 DRAWING NO.: G-823-9  
 -Houlston Rd. IPSWICH

TANKS:

GRADE	CAPACITY	UTRES (NO.)	No.
U/L	55,000	1	1
4+	27,500	3	1
U/L	55,000	4	0
4+	27,500	5	2
4+	27,500	6	1
DERV		7	2

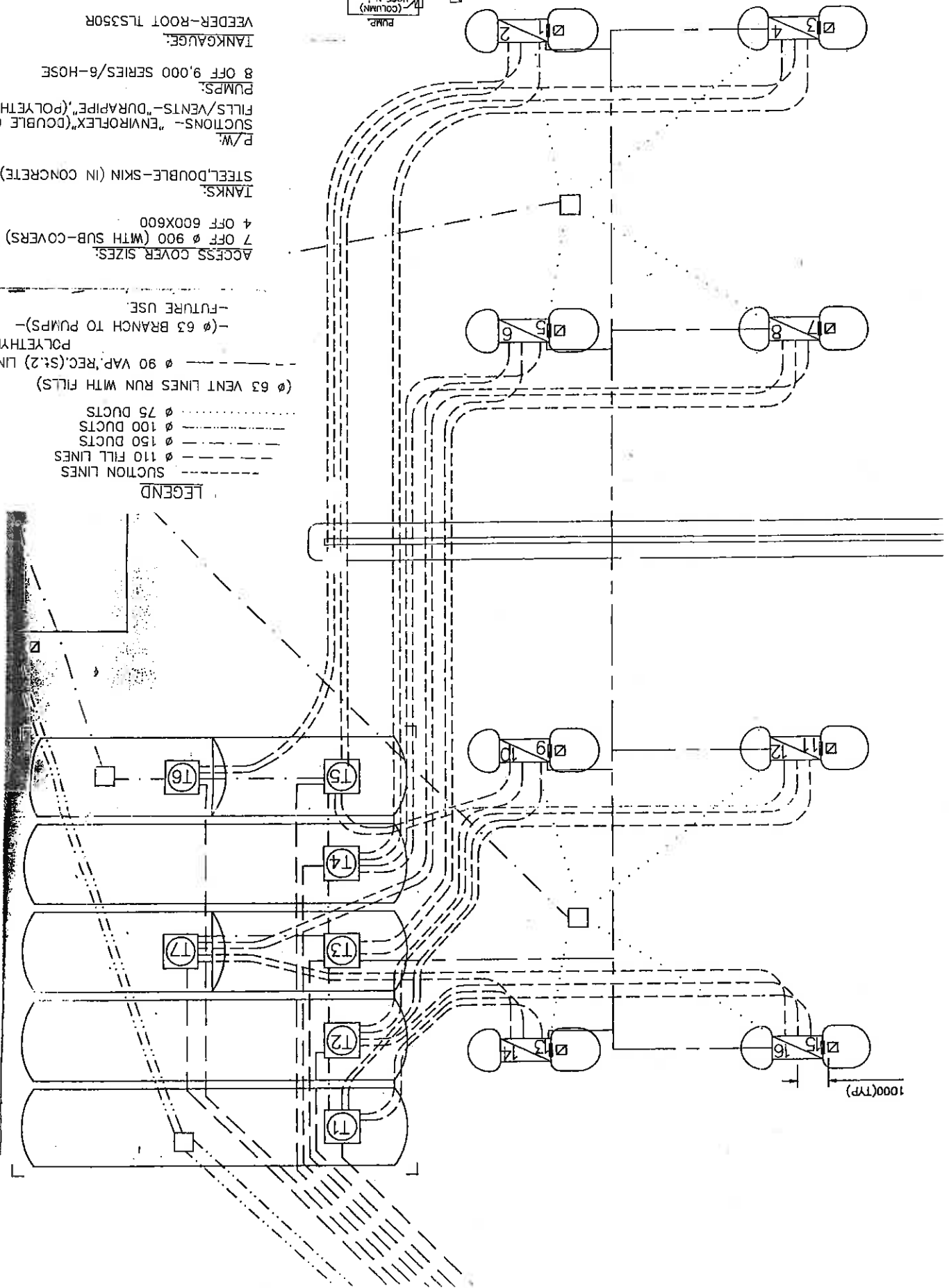
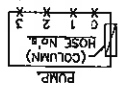
PUMPS:

2	2	2	2	2
2	2	2	2	2

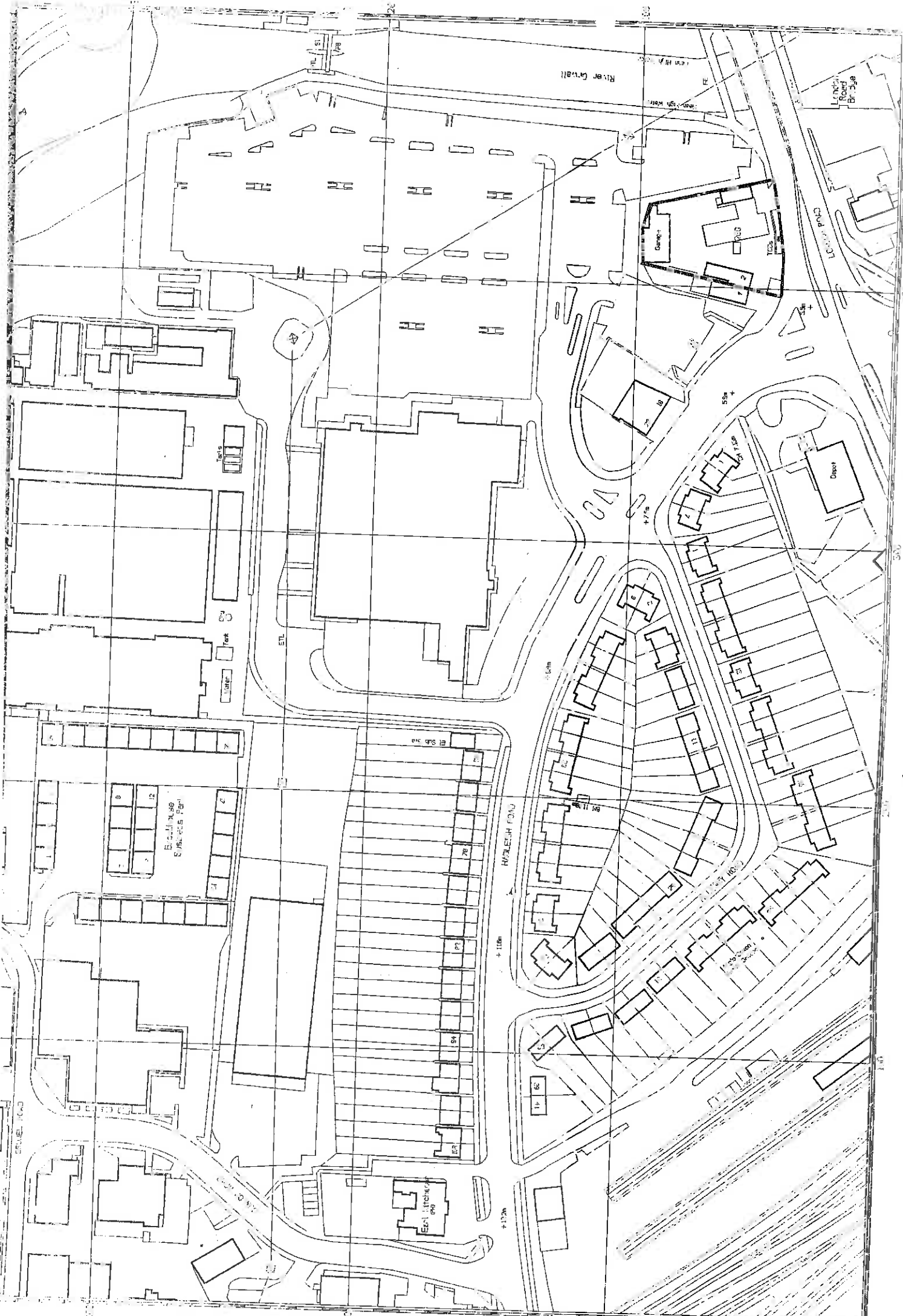
N.B. TANK BASE LEVEL (Btm. OF TANKS): 3800  
 BELOW F.L. DATUM OF 4.30

ACCESS COVER SIZES:  
 7 OFF Ø 900 (WITH SUB-COVERS)  
 4 OFF 600X600  
 TANKS:  
 STEEL DOUBLE-SKIN (IN CONCRETE)  
 P/W:  
 SUCTIONS - "ENVIROFLEX" (DOUBLE CONTD.)  
 FILLS/VENTS - "DURAPIPE", (POLYETHYLENE).  
 PUMPS:  
 8 OFF 9,000 SERIES/6-HOSE  
 TANK GAUGE:  
 VEEDER-ROOT TLS350R

LEGEND  
 SUCTION LINES  
 Ø 110 FILL LINES  
 Ø 150 DUCTS  
 Ø 100 DUCTS  
 Ø 75 DUCTS  
 (Ø 63 VENT LINES RUN WITH FILLS)  
 Ø 90 VAP. REC. (S. 2) LINE  
 POLYETHYLENE  
 - (Ø 63 BRANCH TO PUMPS) -  
 - FUTURE USE



1000(TP)



(1444 SE)

Revised and Final Engineering