Soiltechnics Limited
Cedar Barn,
White Lodge, Walgrave
Northampton
NN6 9PY

FAO Andy Keeler

LABORATORY TEST REPORT

Results of analysis of 9 sample received 24 March 2010

STG1672B - Coram Community Campus

Chemtest
The right chemistry to deliver results

Report Date
01 April 2010

					87297
					AE80724
					TP02b
					0.9m
					LEACHATE
1800	Benzo[a]pyrene	50328	µg l-1	N	<0.1
	Dibenzo[a,h]anthracene	53703	µg l-1	N	<0.1
	Indeno[1,2,3-cd]pyrene	193395	µg l-1	N	<0.1
	Benzo[g,h,i]perylene	191242	µg l-1	N	<0.1
	Total (of 16) PAHs		µg l-1	N	<2
1920	Phenols (total)		mg l-1	N	< 0.03

All tests undertaken between 26-Mar-2010 and 31-Mar-2010

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Soiltechnics Limited
Cedar Barn,
White Lodge, Walgrave
Northampton
NN6 9PY

FAO Andy Keeler

LABORATORY TEST REPORT

Results of analysis of 9 samples
received 24 March 2010

STG1672B - Coram Community Campus

Chemtest
The right chemistry to deliver results

Report Date
01 April 2010

Login Batch No				87297							
Chemtest LIMS ID				AE80716	AE80717	AE80718	AE80719	AE80720	AE80721	AE80722	AE80723
Sample ID				BH02	BH04	WAC Composite	TP02b	TP11	TP08	BH02	TP08
Sample No											
Depth				4m	9m		0.9m	0.5m - 1m	0.5m	0.05m - 0.5m	1.6m
Matrix				*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
SOP↓	Determinand↓	CAS No↓	Units↓	*							
2175	Sulfur (total TRL report 447)		%	N	0.02	0.89	0.10				
2300	Cyanide (complex)	57125	mg kg-1	M				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	Cyanide (free)	57125	mg kg-1	M				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	Cyanide (total)	57125	mg kg-1	M				< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
2625	Organic matter		%	M				15	6.9	5.7	1.1	22
2220	Chloride (extractable)	16887006	g l-1	M	0.018	0.026	0.017					
	Nitrate (extractable)	14797558	g l-1	N	<0.01	<0.01	<0.01					
2120	Boron (hot water soluble)	7440428	mg kg-1	M				1.1	1.4	0.8	0.8	1.6
	Sulfate (2:1 water soluble) as SO4	14808798	g l-1	M	0.03	0.16	0.10					
2420	Magnesium (soluble)	7439954	g l-1	N	<0.01	<0.01	<0.01					
2490	Chromium (hexavalent)	18540299	mg kg-1	N				<0.5	<0.5	<0.5	<0.5	<0.5
2430	Sulfate (total) by BS1377 (HCl extract)	14808798	%	N	0.04	0.79	0.10					
2450	Arsenic	7440382	mg kg-1	M				19	23	19	14	24
	Beryllium	7440417	mg kg-1	M				1.2	1.5	1.3	1.5	1.4
	Cadmium	7440439	mg kg-1	M				0.15	0.30	<0.10	0.13	<0.10
	Chromium	7440473	mg kg-1	M				21	24	30	40	18
	Copper	7440508	mg kg-1	M				120	80	60	28	190
	Mercury	7439976	mg kg-1	M				3.0	1.7	1.1	0.11	3.1
	Nickel	7440020	mg kg-1	M				27	28	31	55	28
	Lead	7439921	mg kg-1	M				380	730	310	25	850
	Selenium	7782492	mg kg-1	M				<0.20	<0.20	<0.20	<0.20	<0.20
	Vanadium	7440622	mg kg-1	M				46	44	51	69	57
	Zinc	7440666	mg kg-1	M				140	200	97	70	150
2800	Naphthalene	91203	mg kg-1	M				0.5	0.4	0.5	0.4	0.4
	Acenaphthylene	208968	mg kg-1	N				<0.1	<0.1	<0.1	<0.1	<0.1
	Acenaphthene	83329	mg kg-1	M				<0.1	<0.1	<0.1	<0.1	<0.1
	Fluorene	86737	mg kg-1	M				<0.1	0.1	<0.1	<0.1	<0.1
	Phenanthrene	85018	mg kg-1	M				1.2	3	0.6	0.5	1.3
	Anthracene	120127	mg kg-1	M				<0.1	0.4	<0.1	<0.1	<0.1
	Fluoranthene	206440	mg kg-1	M				0.5	5.9	0.5	0.1	<0.1
	Pyrene	129000	mg kg-1	M				0.4	5.1	0.3	0.1	<0.1

All tests undertaken between 26-Mar-2010 and 31-Mar-2010

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

Soiltechnics Limited
Cedar Barn,
White Lodge, Walgrave
Northampton
NN6 9PY

FAO Andy Keeler

LABORATORY TEST REPORT

Results of analysis of 9 samples
received 24 March 2010

STG1672B - Coram Community Campus

Chemtest
The right chemistry to deliver results

Report Date
01 April 2010

					87297							
					AE80716	AE80717	AE80718	AE80719	AE80720	AE80721	AE80722	AE80723
					BH02	BH04	WAC	TP02b	TP11	TP08	BH02	TP08
							Composite					
					4m	9m		0.9m	0.5m - 1m	0.5m	0.05m - 0.5m	1.6m
					SOIL	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*	*SOIL*
2800	Benzo[a]anthracene	56553	mg kg-1	M				0.1	2.9	0.1	<0.1	<0.1
	Chrysene	218019	mg kg-1	M				0.2	2.6	0.1	<0.1	<0.1
	Benzo[b]fluoranthene	205992	mg kg-1	M				0.1	4.6	0.1	<0.1	<0.1
	Benzo[k]fluoranthene	207089	mg kg-1	N				<0.1	1.1	<0.1	<0.1	<0.1
	Benzo[a]pyrene	50328	mg kg-1	M				<0.1	3.2	<0.1	<0.1	<0.1
	Dibenzo[a,h]anthracene	53703	mg kg-1	N				<0.1	<0.1	<0.1	<0.1	<0.1
	Indeno[1,2,3-cd]pyrene	193395	mg kg-1	M				<0.1	0.9	<0.1	<0.1	<0.1
	Benzo[g,h,i]perylene	191242	mg kg-1	M				<0.1	1.2	<0.1	<0.1	<0.1
	Total (of 16) PAHs		mg kg-1	N				3	31	2.2	<2	<2
2920	Phenols (total)		mg kg-1	N				<0.3	<0.3	<0.3	<0.3	<0.3
2010	pH		-	M	8.1	8.4	8.2	7.3	8.6	7.9	8.0	7.4

All tests undertaken between 26-Mar-2010 and 31-Mar-2010

* Accreditation status

This report should be interpreted in conjunction with the notes on the accompanying cover page

soiltechnics
environmental and geotechnical consultants

Analysis of test data in relation to concentrations of inorganic chemical contaminants

Adopted Model: Commercial/industrial
Receptor: Existing and proposed site user and construction operatives

Test procedure			Summary of test data					Initial comparison	Outlier test					Normality test			UCL	
Contaminant	Guideline source	Guideline value mg/kg	No. of tests	Min. mg/kg	Max. mg/kg	Mean mg/kg	No. of tests above guideline value	Initital screening	Pass outlier test?	Number of outliers	Location of outlier	Depth	Concentration mg/kg	Shapiro-Wilk Normality test	Probability plot test	Data normally distributed?	95% UCL of mean mg/kg	Contaminant
Arsenic	SGV	640	5	14.0	24.0	19.8	0	Mean value below guideline	y	0				normal	not normal	n	27.5	**Arsenic**
Beryllium	GAC	420	5	1.2	1.5	1.4	0	Mean value below guideline	y	0				normal	normal	y	1.5	**Beryllium**
Boron	GAC	192000	5	0.8	1.6	1.1	0	Mean value below guideline	y	0				normal	not normal	n	1.8	**Boron**
Cadmium	SGV	230	5	0.1	0.3	0.2	0	Mean value below guideline	n	0				not normal	not normal	n	0.3	**Cadmium**
Chromium	GAC	30400	5	18.0	40.0	26.6	0	Mean value below guideline	y	0				normal	normal	y	34.9	**Chromium**
Copper	GAC	71700	5	28.0	190.0	95.6	0	Mean value below guideline	y	0				normal	normal	y	155.1	**Copper**
Cyanide (total)	NGV	-	5	0.5	0.5	0.5		No guideline value										**Cyanide (total)**
Lead	SGV*	750	5	25.0	850.0	459.0	1	Mean value below guideline	y					normal	normal	n	[redacted]	**Lead**
Mercury#	SGV	3600	5	0.1	3.1	1.8	0	Mean value below guideline	y	0				normal	normal	y	3.0	**Mercury#**
Nickel	SGV	1800	5	27.0	55.0	33.8	0	Mean value below guideline	n	0				not normal	not normal	n	57.1	**Nickel**
Selenium	SGV	13000	5	0.2	0.2	0.2	0	Mean value below guideline	y	0				not normal	not normal	n	0.2	**Selenium**
Vanadium	GAC	3160	5	44.0	69.0	53.4	0	Mean value below guideline	y	0				normal	normal	y	63.0	**Vanadium**
Zinc	GAC	665000	5	70.0	200.0	131.4	0	Mean value below guideline	y	0				normal	normal	y	179.3	**Zinc**

SGV*	Soil Guideline Value as published by the Environment Agency
SGV	Soil Guideline Value as published by the Environment Agency 2009
GAC	Generic Assessment Criterion as published by LQM and CIEH
SSV	Soil Screening Value as derived by Soiltechnics
NGV	No Guideline Value
BPG5	Guideline from BPG Note 5 as published by Forest Research
#	Assumed to be elemental mercury as initial screening value

Title	Table number	Appendix
Analysis of test data in relation to concentrations of inorganic chemical contaminants.	1	H

Coram Community Campus
London WC1N

soiltechnics

Analysis of test data in relation to concentrations of inorganic chemical contaminants

Adopted Model: Commercial/industrial
Receptor: Vegetation

Test procedure		Summary of test data						Initial comparison	Outlier test				Normality test			UCL	
Contaminant	Guideline source	Guideline value mg/kg	No. of tests	Min. mg/kg	Max. mg/kg	Mean mg/kg	No. of tests above guideline value	Initital screening	Pass outlier test?	Number of outliers	Location of outlier	Depth / Concentration mg/kg	Shapiro-Wilk Normality test	Probability plot test	Data normally distributed?	95% UCL of mean mg/kg	Contaminant
Arsenic	SSV	640	5	14.0	24.0	19.8	0	Mean value below guideline	y	0			normal	not normal	n	27.5	**Arsenic**
Beryllium	SSV	420	5	1.2	1.5	1.4	0	Mean value below guideline	y	0			normal	normal	y	1.5	**Beryllium**
Boron	SSV	192000	5	0.8	1.6	1.1	0	Mean value below guideline	y	0			normal	not normal	n	1.8	**Boron**
Cadmium	SSV	230	5	0.1	0.3	0.2	0	Mean value below guideline	n	0			not normal	not normal	n	0.3	**Cadmium**
Chromium	SSV	30400	5	18.0	40.0	26.6	0	Mean value below guideline	y	0			normal	normal	y	34.9	**Chromium**
Copper	BPG5	130	5	28.0	190.0	95.6	1	Mean value below guideline	y	0			normal	normal	y	[redacted]	**Copper**
Cyanide (total)	NGV	-	5	0.5	0.5	0.5		No guideline value									**Cyanide (total)**
Lead	SGV*	750	5	25.0	850.0	459.0	1	Mean value below guideline	y				normal	normal	n	[redacted]	**Lead**
Mercury#	SSV	3600	5	0.1	3.1	1.8	0	Mean value below guideline	y	0			normal	normal	y	3.0	**Mercury#**
Nickel	SSV	1800	5	27.0	55.0	33.8	0	Mean value below guideline	n	0			not normal	not normal	n	57.1	**Nickel**
Selenium	SSV	13000	5	0.2	0.2	0.2	0	Mean value below guideline	y	0			not normal	not normal	n	0.2	**Selenium**
Vanadium	SSV	3160	5	44.0	69.0	53.4	0	Mean value below guideline	y	0			normal	normal	y	63.0	**Vanadium**
Zinc	BPG5	300	5	70.0	200.0	131.4	0	Mean value below guideline	y	0			normal	normal	y	179.3	**Zinc**

SGV* Soil Guideline Value as published by the Environment Agency
SGV Soil Guideline Value as published by the Environment Agency 2009
GAC Generic Assessment Criterion as published by LQM and CIEH
SSV Soil Screening Value as derived by Soiltechnics
NGV No Guideline Value
BPG5 Guideline from BPG Note 5 as published by Forest Research

Assumed to be elemental mercury as initial screening value

Title	Table number	Appendix
Analysis of test data in relation to concentrations of inorganic chemical contaminants.	2	H

Coram Community Campus
London WC1N

soiltechnics
environmental and geotechnical consultants

Analysis of test data in relation to concentrations of organic chemical contaminants

Adopted model: Commercial/industrial
Receptor: Existing and proposed site user, construction operatives and vegetation

Test procedure			**Summary of test data**					**Initial Screening**	**Oulier test**					**Normality test**			**UCL**	
Contaminant	Guideline source	Guideline value mg/kg	No. of tests	Min. mg/kg	Max. mg/kg	Mean mg/kg	No. of tests above guideline value	Initital screening	Pass outlier test?	Number of outliers	Location of outlier	Depth	Concentration mg/kg	Shapiro-Wilk Normality test	Probability plot test	Data normally distributed?	95% UCL of mean mg/kg	Contaminant
Acenaphthene	GAC	85000	5	0.1	0.1	0.1	0	Mean value below guideline	y	0				not normal	not normal	n	0.1	**Acenaphthene**
Acenaphthylene	GAC	84000	5	0.1	0.1	0.1	0	Mean value below guideline	y	0				not normal	not normal	n	0.1	**Acenaphthylene**
Anthracene	GAC	530000	5	0.1	0.4	0.2	0	Mean value below guideline	n	0				not normal	not normal	n	0.4	**Anthracene**
Benzo(a)anthracene	GAC	90	5	0.1	2.9	0.7	0	Mean value below guideline	n	0				not normal	not normal	n	3.1	**Benzo(a)anthracene**
Benzo(a)pyrene	GAC	14	5	0.1	3.2	0.7	0	Mean value below guideline	n	0				not normal	not normal	n	3.4	**Benzo(a)pyrene**
Benzo(b)fluoranthene	GAC	100	5	0.1	4.6	1.0	0	Mean value below guideline	n	0				not normal	not normal	n	4.9	**Benzo(b)fluoranthene**
Benzo(g,h,i)perylene	GAC	650	5	0.1	1.2	0.3	0	Mean value below guideline	n	0				not normal	not normal	n	1.3	**Benzo(g,h,i)perylene**
Benzo(k)fluoranthene	GAC	140	5	0.1	1.1	0.3	0	Mean value below guideline	n	0				not normal	not normal	n	1.2	**Benzo(k)fluoranthene**
Chrysene	GAC	140	5	0.1	2.6	0.6	0	Mean value below guideline	n	0				not normal	not normal	n	2.8	**Chrysene**
Dibenzo(a,h)anthracene	GAC	13	5	0.1	0.1	0.1	0	Mean value below guideline	y	0				not normal	not normal	n	0.1	**Dibenzo(a,h)anthracene**
Fluoranthene	GAC	23000	5	0.1	5.9	1.4	0	Mean value below guideline	n	0				not normal	not normal	n	6.3	**Fluoranthene**
Fluorene	GAC	64000	5	0.1	0.1	0.1	0	Mean value below guideline	y	0				not normal	not normal	n	0.1	**Fluorene**
Indeno(1,2,3-cd)pyrene	GAC	60	5	0.1	0.9	0.3	0	Mean value below guideline	n	0				not normal	not normal	n	1.0	**Indeno(1,2,3-cd)pyrene**
Naphthalene	GAC	200	5	0.4	0.5	0.4	0	Mean value below guideline	y	0				not normal	not normal	n	0.5	**Naphthalene**
Phenanthrene	GAC	22000	5	0.5	3.0	1.3	0	Mean value below guideline	n	0				normal	not normal	n	3.3	**Phenanthrene**
Phenols	SGV	3200	5	0.3	0.3	0.3	0	Mean value below guideline	y	0				not normal	not normal	n	0.3	**Phenols**
Pyrene	GAC	54000	5	0.1	5.1	1.2	0	Mean value below guideline	n	0				not normal	not normal	n	5.5	**Pyrene**

Notes

SGV	Soil Guideline Value as published by the Environment Agency
GAC	Generic Assessment Criterion as published by LQM and CIEH
SSV	Soil Screening Value as derived by Soiltechnics
NGV	No Guideline Value

Title	Table number	Appendix
Analysis of test data in relation to concentrations of organic chemical contaminants.	3	H

soiltechnics
environmental and geotechnical consultants

Summary of leachate test results

Receptor	**Groundwater**		
Water type	**Freshwater**		
Fish type	**Salmonid**		
Water hardness	**>250**	**mg/l**	**(measured at a concentration of 326mg/l located at River Thames confluence with Regents Canal)$**

Contaminant	**Guideline value (µg/l)**	**Guideline source**	**Location**	**TP02b**
			Depth (m)	**0.9**
Inorganics (µg/l)				
Arsenic	50	EQS (f)		<1.0
Boron	2000	EQS (f)		<20
Cadmium	5	EQS (f)		<0.080
Chromium	50	EQS (f)		3
Copper	28	EQS (f)		<1.0
Lead	20	EQS (f)		<1.0
Mercury	1	EQS (f)		<0.50
Nickel	200	EQS (f)		1
Selenium[1]	10	UKDWS		<1.0
Vanadium[2]	60	EQS (f)		1
Zinc	125	EQS (f)		<1.0
Free Cyanide[1]	50	UKDWS		<50
Nitrate as N	50000	UKDWS		12000
Sulphate as SO4	400000	EQS(f)		9100
PAH (µg/l)				
Benzo(a)pyrene[1,4]	0.01	UKDWS		<0.1
Naphthalene[2]	10	EQS (f)		<0.1
Sum of 4 PAH[1]	0.1	UKDWS		<0.1*

Notes

1 EQS values not available
2 UKDWS not available
3 Lower detectable limit above UKDWS. Concentrations below detectable limits are not considered further.
* Taken as lower detection limit
# Taken as lower detection limit of a single compound
$ Hardness data presented by the Environment Agency

UKDWS UK Drinking Water Standard Guideline taken from "The Water Supply (Water Quality) Regulations 2000"
EQS (f) Environmental Quaity Standard for freshwater published by the Enviornment Agency
EQS (s) Environmental Quality Standard for saltwater published by the Environment Agency

Title	Table number	Appendix
Comparison of measured concentrations with guideline values for water receptors.	4	H

Coram Community Campus
London WC1N

soiltechnics
environmental and geotechnical consultants

Record of in-situ gas and water level monitoring results

Date/Time	Location	Atmospheric pressure (mB)	Temperature (°C)	Methane, CH_4 (%v/v) *Chg*		Carbon Dioxide, CO_2 (%v/v) *Chg*		Oxygen, O_2 (%v/v)		Balance	Lower Explosive Limit	Gas Flow (q)	Peak hazardous gas flow rate *Qhgs*		Steady hazardous gas flow rate *Qhgs*		NHBC Guideline	NHBC Guideline	Characteristic gas situation	Potentially Explosive	Water Level (m)
				Peak	Steady	Peak	Steady	Minimum	Average	(%v/v)	(% LEL)	(l/Hr)	CH_4	CO_2	CH_4	CO_2	(Peak)	(Steady)			
07/04/2010 07:45	BH03	1009		0.0	0.0	0.2	0.1	21.0	21.0	78.9	0.0	0.0	0.00	0.00	0.00	0.00	GREEN	GREEN	ONE	NO	2.23
				0.0	0.0	0.2	0.1	21.0	21.0	78.9	0.0	0.10	0.00	0.00	0.00	0.00	GREEN	GREEN	ONE	Worst case scenario	
				0.0	0.0	0.2	0.1	21.0	21.0	78.9	0.0	0.10	0.00	0.00	0.00	0.00	GREEN	GREEN	ONE	Average site scenario	

Additonal considerations:

Notes:
Gas Screening Value (GSV) derived by mulitlying the peak gas concentration (%) by the peak flow rate (l/h).

The gas analyser is capable of measuring flow to an accuracy of 0.1l/h. Below this value the analyser records zero flow. Adopting a precautionary approach we have used a flow rate of 0.1l/h when the analyser records zero with this flow rate used to determine the gas screening value.

Title	Revision	Appendix
Record of in-situ gas monitoring results.	FINAL	I

Proposed development at Coram Community Campus Mecklenburg Square, London

Cover system material supply information schedule

Type of capping material (Please tick appropriate box - only one form per soil)

Topsoil (General purpose grade)		**Subsoil**	
Upper Layer	☐	**Lower Layer**	☐

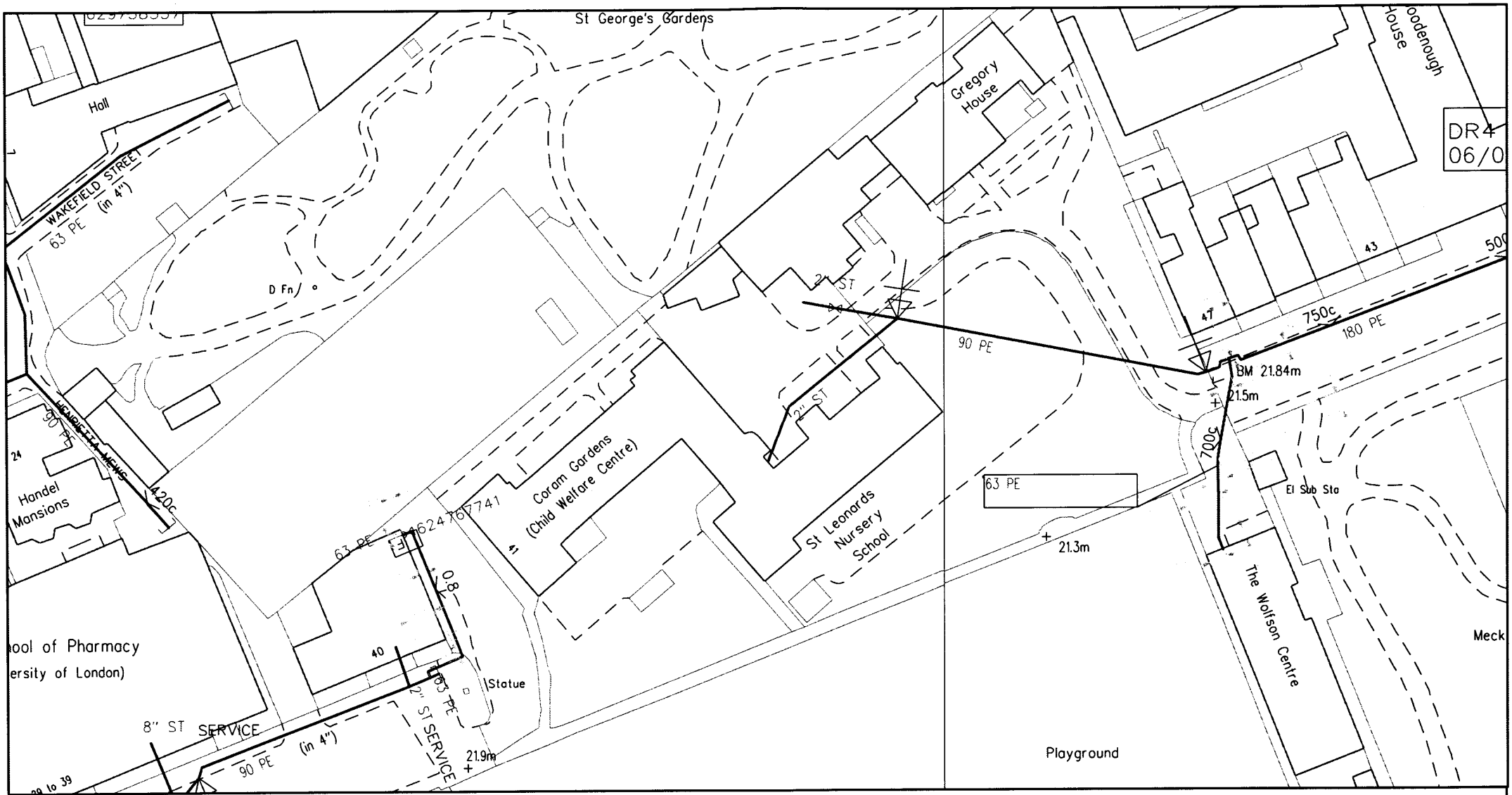
Capping supplier details (Name and contact details)

Haulier details (Name and contact details)

Location of source material (Address or national grid reference)

Laboratory test data

Human health criteria (Tick box if certificate available)	☐	**Water resources** (Tick box if certificate available)	☐	**Topsoil quality** (Only if topsoil) (Tick box if certificate available)	☐



SCALE: Not to scale	LP MAINS
USER ID: andyk	MP MAINS
DATE: 23/02/2010	IP MAINS
EXTRACT DATE: 11/12/2009	LHP MAINS
MAP REF: TQ3082	NHP MAINS
CENTRE: 530469, 182412	

Some examples of Plant Items: Valve, Depth of Cover, Syphon, Diameter Change, Material Change

This plan shows those pipes owned by National Grid Gas plc in their role as a Licensed Gas Transporter (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by National Grid Gas plc or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue. Further information on all DR4s can be determined by calling the DR4 hotline on 01455 892426 (9am-5pm) A DR4 is where a potential error has been identified within the asset record and a process is currently underway to investigate and resolve the error as appropriate.

MAPS Viewer Version 5.6.3.0

Local Machine

Date 2 March 2010

Our Ref 20878-ND-2-020210

Your Ref

To Andy Keeler
Soil Technics
andy.keeler@soiltechnics.net

London Underground Limited

Hello Andy,

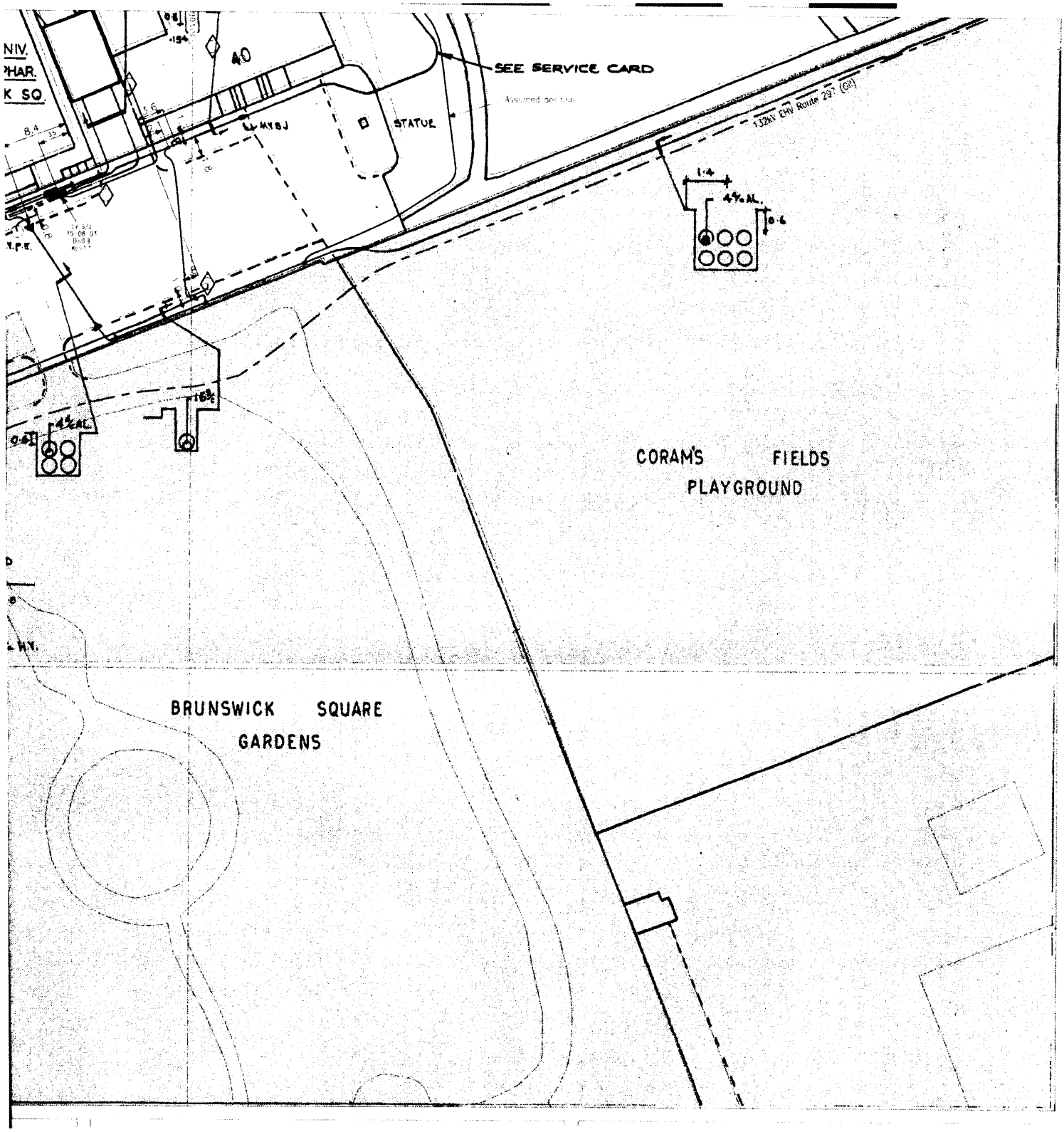
49 Macklenburg Square, London, WC1N 2NY

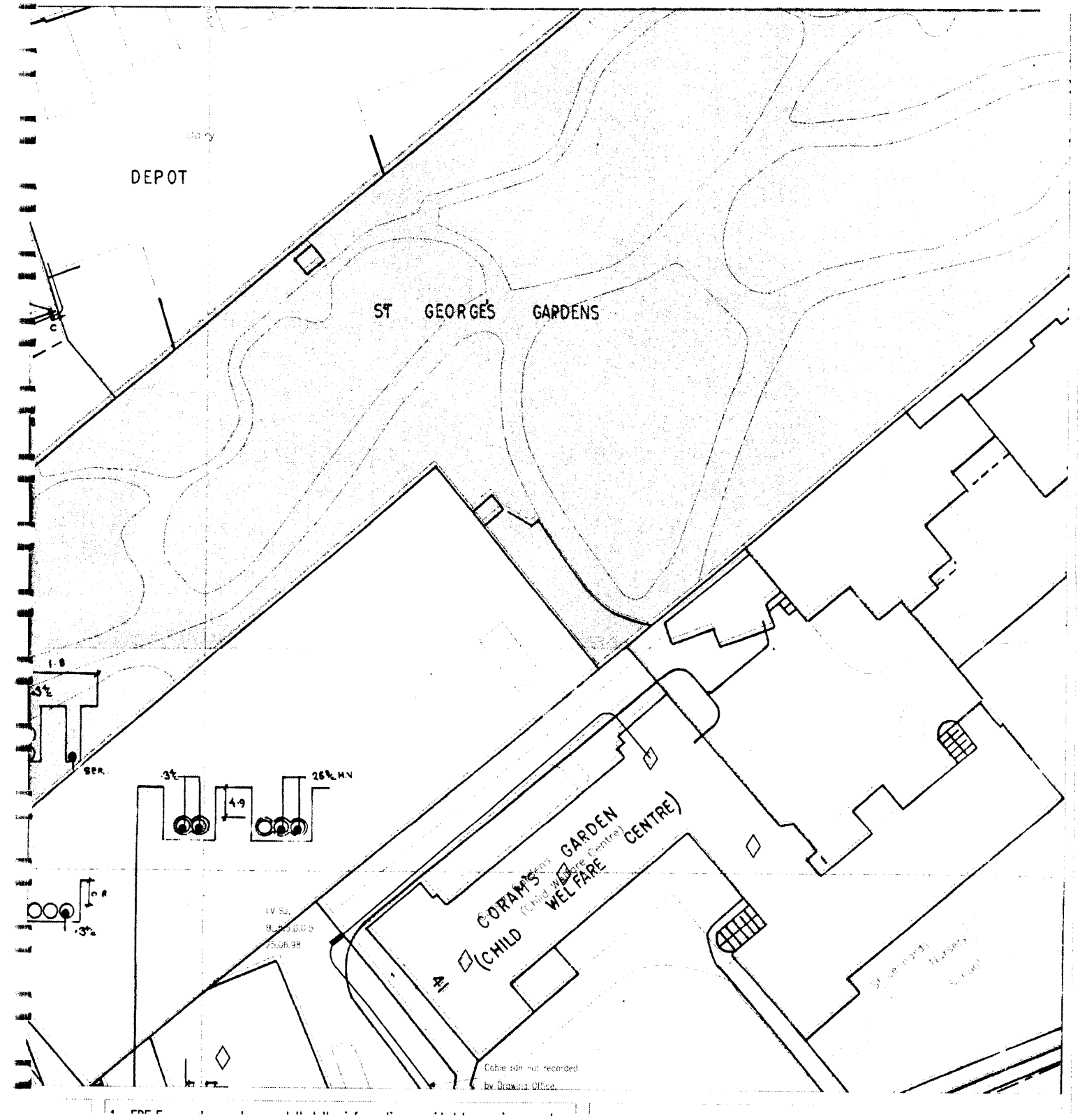
Thank you for your communication of 23 February 2010.

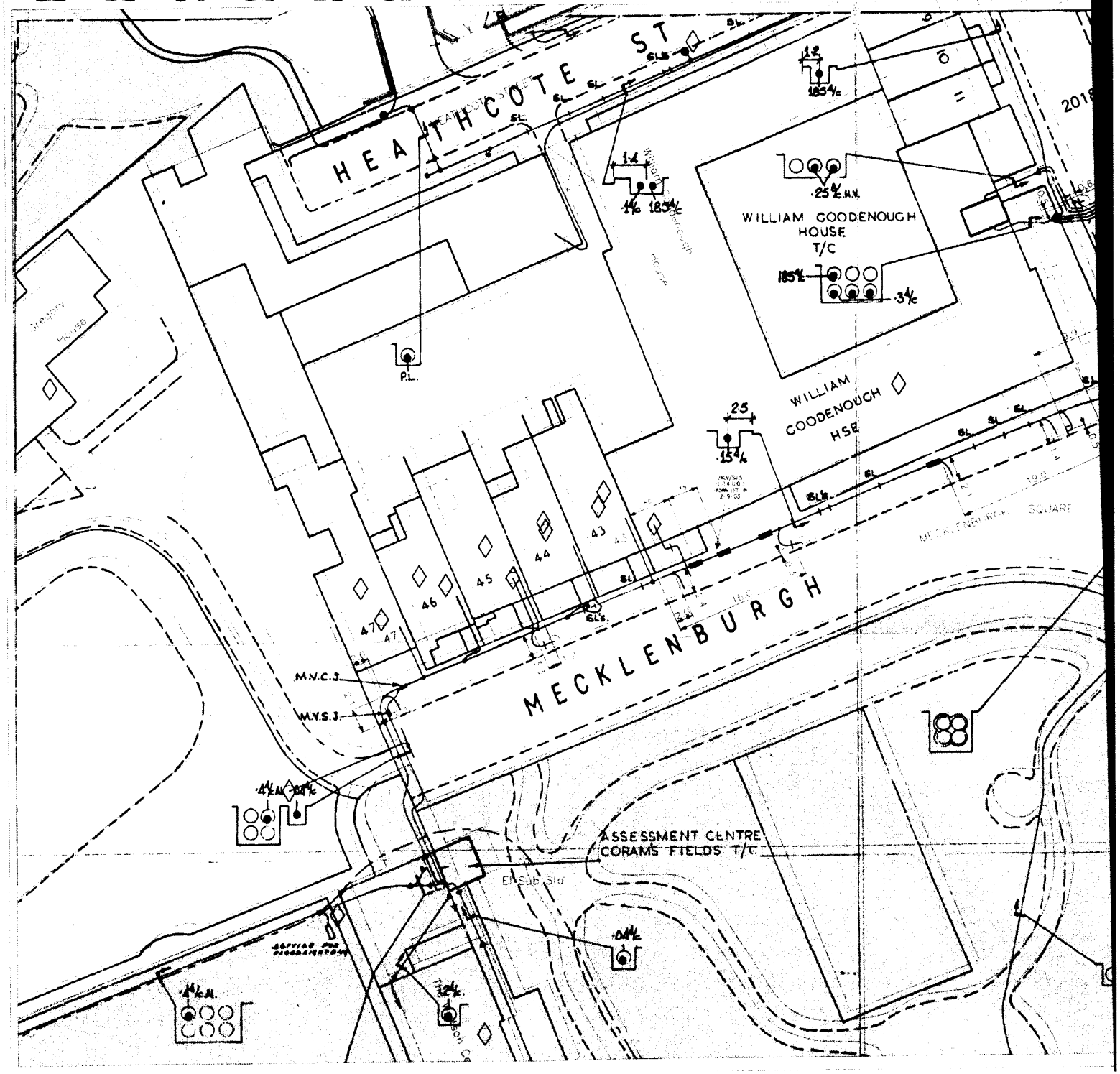
I can confirm that London Underground has no assets in the vicinity of your search.

Should you have any further enquiries, please do not hesitate to contact me.

Nathan Darroch
Information Manager
LUL Infrastructure Protection
E-mail: nathan.darroch@tube.tfl.gov.uk
Tel: 0207 126 2774


SEE SERVICE CARD
STATUE
132kV EHV Route 29: (OH)
4½AL.
CORAM'S FIELDS
PLAYGROUND
BRUNSWICK SQUARE
GARDENS


DEPOT
ST GEORGES GARDENS
CORAMS GARDEN
(CHILD WELFARE CENTRE)
Cable size not recorded by Drawing Office


HEATHCOTE ST
WILLIAM GOODENOUGH HOUSE T/C
WILLIAM GOODENOUGH HSE
MECKLENBURGH
MECKLENBURGH SQUARE
M.V.C.J.
M.V.S.J.
ASSESSMENT CENTRE
CORAMS FIELDS T/C
El Sub Sta
43
44
45
46
47

Asset Location Search

Neil Smith
Milton Keynes Surveys Limited
Datum House
41 Burners Lane South
MILTON KEYNES
MK11 3HA

Search address supplied 530455, 182461

Your reference N/A

Our reference ALS/ALS Standard/2010_1692237

Search date 21 January 2010

Credit card payments are available. Please phone 01189 251509

Thames Water Utilities Ltd

Property Insight
PO Box 3189
Slough SL1 4WW

DX 151280 Slough 13

T 0118 925 1504
F 0118 923 6655/57
E searches@thameswater.co.uk
I www.twpropertyinsight.co.uk

Registered in England and Wales
No. 2366661, Registered office
Clearwater Court, Vastern Road
Reading RG1 8DB

Asset Location Search

Search address supplied: 530455, 182461,

Dear Sir / Madam

An Asset Location Search is recommended when undertaking a site development. It is essential to obtain information on the size and location of clean water and sewerage assets to safeguard against expensive damage and allow cost-effective service design.

This search provides maps showing the position, size of Thames Water assets close to the proposed development and also manhole cover and invert levels, where available.

Please note that none of the charges made for this report relate to the provision of Ordnance Survey mapping information. The replies contained in this letter are given following inspection of the public service records available to this company. No responsibility can be accepted for any error or omission in the replies.

You should be aware that the information contained on these plans is current only on the day that the plans are issued. The plans should only be used for the duration of the work that is being carried out at the present time. Under no circumstances should this data be copied or transmitted to parties other than those for whom the current work is being carried out.

Thames Water do update these service plans on a regular basis and failure to observe the above conditions could lead to damage arising to new or diverted services at a later date.

Contact Us

If you have any further queries regarding this enquiry please feel free to contact a member of the team on 0118 925 1504, or use the address below:

Thames Water Utilities Ltd
Property Insight
PO Box 3189
Slough
SL1 4WW

Tel: 0118 925 1504
Fax: 0118 923 6657

Email: searches@thameswater.co.uk
Web: www.twpropertyinsight.co.uk

Thames Water Utilities Ltd

Property Insight
PO Box 3189
Slough SL1 4WW

DX 151280 Slough 13

T 0118 925 1504
F 0118 923 6655/57
E searches@thameswater.co.uk
I www.twpropertyinsight.co.uk

Registered in England and Wales
No. 2366661, Registered office
Clearwater Court, Vastern Road
Reading RG1 8DB

Asset Location Search

Waste Water Services

Please provide a copy extract from the public sewer map.

The following 500x500 metre square area(s) have been printed, centred on the coordinates below, as they fall within Thames' sewerage area:

530750, 182250
530750, 182750
530250, 182250
530750, 182250
530250, 182750
530750, 182750

Enclosed is a map showing the approximate lines of our sewers. Our plans do not show sewer connections from individual properties or any sewers not owned by Thames Water unless specifically annotated otherwise. Records such as "private" pipework are in some cases available from the Building Control Department of the relevant Local Authority.

Where the Local Authority does not hold such plans it might be advisable to consult the property deeds for the site or contact neighbouring landowners.

This report relates only to sewerage apparatus of Thames Water Utilities Ltd, it does not disclose details of cables and or communications equipment that may be running through or around such apparatus.

The sewer level information contained in this response represents all of the level data available in our existing records. Should you require any further Information, please refer to the relevant section within the 'Further Contacts' page found later in this document.

For your guidance:

- The Company is not generally responsible for rivers, watercourses, ponds, culverts or highway drains. If any of these are shown on the copy extract they are shown for information only.
- Sewers indicated on the extract of the public sewer map as being subject to an agreement under Section 104 of the Water Industry Act 1991 are not an 'as constructed' record. It is recommended that these details are checked with the developer.

Clean Water Services

Please provide a copy extract from the public water main map.

Thames Water Utilities Ltd

Property Insight
PO Box 3189
Slough SL1 4WW

DX 151280 Slough 13

T 0118 925 1504
F 0118 923 6655/57
E searches@thameswater.co.uk
I www.twpropertyinsight.co.uk

Registered in England and Wales
No. 2366661, Registered office
Clearwater Court, Vastern Road
Reading RG1 8DB

Asset Location Search

The following 500x500 metre square area(s), centred on the coordinates below, have been printed as they fall within Thames' water area:

530750, 182250
530750, 182750
530250, 182250
530750, 182250
530250, 182750
530750, 182750

Enclosed is a map showing the approximate positions of our water mains and associated apparatus. Please note that records are not kept of the positions of individual domestic supplies.

For your information, there will be a pressure of at least 10m head at the outside stop valve. If you would like to know the static pressure, please contact our Customer Centre on 0845 920 0800. The Customer Centre can also arrange for a full flow and pressure test to be carried out for a fee.

For your guidance:

- Assets other than vested water mains may be shown on the plan, for information only.
- If an extract of the public water main record is enclosed, this will show known public water mains in the vicinity of the property. It should be possible to estimate the likely length and route of any private water supply pipe connecting the property to the public water network.

Payment for this Search

An invoice is enclosed. Please send remittance to Thames Water Utilities Ltd., PO Box 223, Swindon, SN38 2TW.

Thames Water Utilities Ltd

Property Insight
PO Box 3189
Slough SL1 4WW

DX 151280 Slough 13

T 0118 925 1504
F 0118 923 6655/57
E searches@thameswater.co.uk
I www.twpropertyinsight.co.uk

Registered in England and Wales
No. 2366661, Registered office
Clearwater Court, Vastern Road
Reading RG1 8DB

Asset Location Search

Further contacts:

Waste Water queries

Should you require verification of the invert levels of public sewers, by site measurement, you will need to approach the relevant Thames Water Area Network Office for permission to lift the appropriate covers. This permission will usually involve you completing a TWOSA form. For further information please contact our Customer Centre on Tel: 0845 920 0800. Alternatively, a survey can be arranged, for a fee, through our Customer Centre on the above number.

If you have any questions regarding sewer connections, building over issues or any other questions regarding operational issues please direct them to our service desk. Which can be contacted by writing to:

Developer Services (Waste Water)
Thames Water
Clear Water Court
Vastern Road
Reading
RG1 8DB

Tel: 0845 850 2777
Fax: 0118 923 6613
Email: developer.services@thameswater.co.uk

Should you require any further information regarding budget estimates, diversions or stopping up notices then please contact:

DevCon Team
Asset Investment
Thames Water
Maple Lodge STW
Denham Way
Rickmansworth
Hertfordshire
WD3 9SQ

Tel: 01923 898 072
Fax: 01923 898 106
Email: devcon.team@thameswater.co.uk

Thames Water Utilities Ltd

Property Insight
PO Box 3189
Slough SL1 4WW

DX 151280 Slough 13

T 0118 925 1504
F 0118 923 6655/57
E searches@thameswater.co.uk
I www.twpropertyinsight.co.uk

Registered in England and Wales
No. 2366661, Registered office
Clearwater Court, Vastern Road
Reading RG1 8DB

Asset Location Search

Clean Water queries

Should you require any advice concerning clean water operational issues or clean water connections, please contact our Kew Service Desk by writing to:

Clean Water Design
Thames Water Utilities
1 Kew Bridge Road
Brentford
Middlesex
TW8 0EF

Tel: 0845 850 2777
Fax: 0208 213 8833
Email: developer.services@thameswater.co.uk

Thames Water Utilities Ltd

Property Insight
PO Box 3189
Slough SL1 4WW

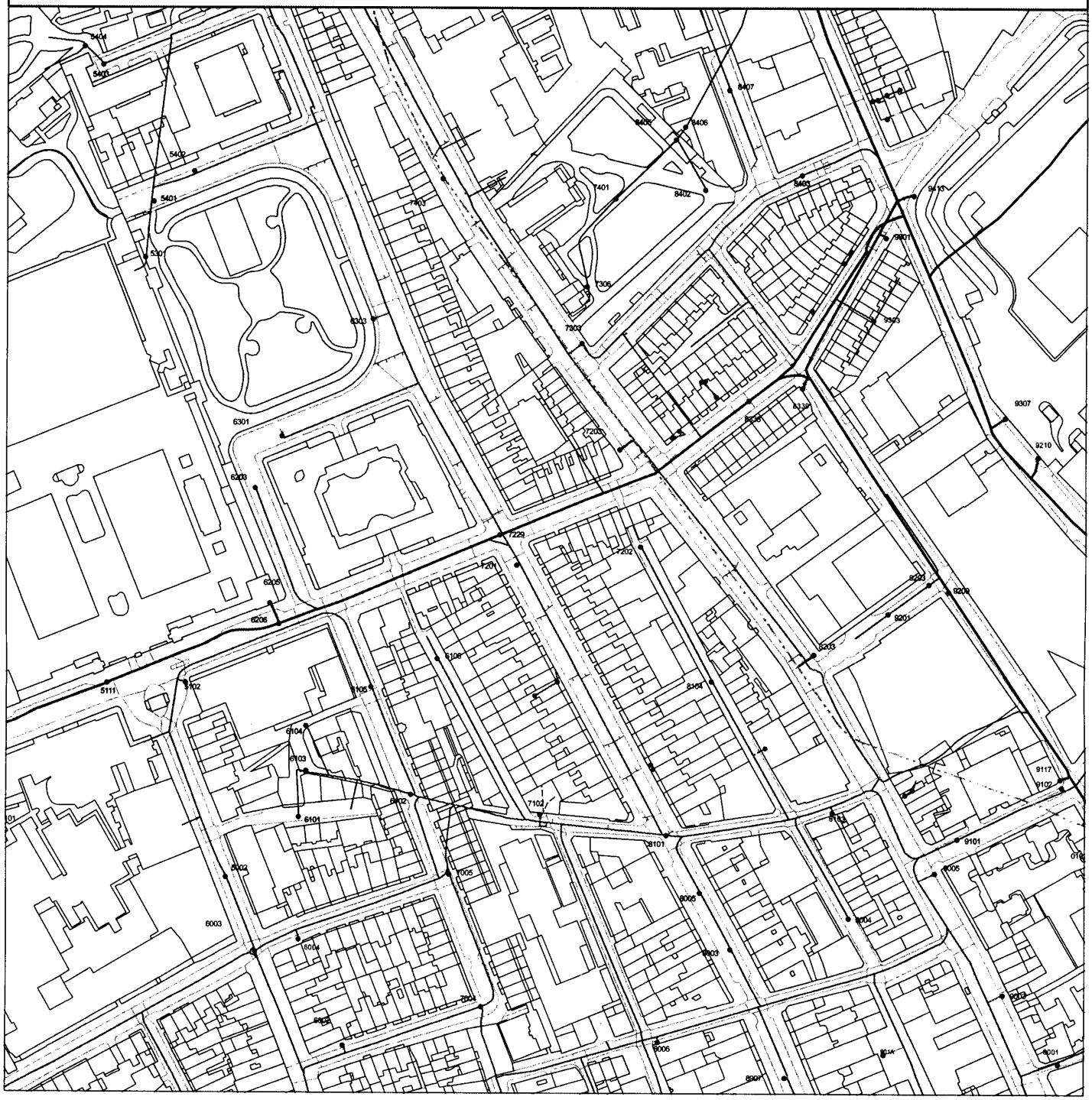
DX 151280 Slough 13

T 0118 925 1504
F 0118 923 6655/57
E searches@thameswater.co.uk
I www.twpropertyinsight.co.uk

Registered in England and Wales
No. 2366661, Registered office
Clearwater Court, Vastern Road
Reading RG1 8DB

Based on the Ordnance Survey Map with the sanction of the Controller of H.M Stationary Office License Number 10019345

ALS/ALS Standard/2010_1692237



0 12.5 25 50 75 100 Meters

Scale:	1:1850
Width:	517m
Printed By:	trawling
Print Date:	27/01/2010
Map Centre:	530750,182250
Grid Reference:	TQ3082SE

Comments:
sewer plan

ALS/ALS Standard/2010_1692237

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
901A		
8406	15.24	11.72
7306		
8407	17.94	13.41
83GG		
83IA		
9303		
9301		
94BI		
94BA		
9413	19.15	13.24
9203	17.81	14.65
9209	17.68	
5404	19.98	17.2
5111	20.71	17.02
5401	21.34	
5402	21.39	
9003		
9117		
9307	16.52	12.98
8006		
8004	20.05	16.3
8101	20.43	14.38
8103		
81CA		
71FJ		
8104	19.12	16.56
7201	21.05	
7229	21.17	16.49
83IH		
8338	20.36	16.07
8339	20.37	10.6
83FC		
6002	22.62	
6003	21.81	
5002	21.2	17.44
6101	19.31	17.29
6103	20.41	
6105	20.7	16.08
6206	21.14	16.77
6203	21.51	17.11
6303		

REFERENCE	COVER LEVEL	INVERT LEVEL
8405	19.85	
8402	18.98	
7401	19.92	18.09
8403	18.69	
83HJ		
94BG		
94BF		
94BB		
9201	18.02	14.97
91CF		
91CD		
9005		
9101	17.7	12.69
5403	19.65	15.99
5301		
5102	20.71	
9001	20.62	
9102	15.39	
9210	15.85	13.26
8907	22.36	17.08
8003	21.83	16.33
8005	21.12	15.36
7102		
81BJ		
8195		
71GA		
8203	18.25	
7202	20.25	19.49
7203	20.55	
83II		
83FE		
83FD		
7303		
7004	22.37	18.51
6004	21.87	
7005	20.95	
6102	20.49	15.73
6104	20.16	16.5
6106	20.63	17.22
6205		
6301	21.51	17.85
7403		

Based on the Ordnance Survey Map with the sanction of the Controller of H.M Stationary Office License Number 10019345

ALS/ALS Standard/2010_1692237

0 12.5 25 50 75 100 Meters

Scale:	1:1850
Width:	517m
Printed By:	trawling
Print Date:	27/01/2010
Map Centre:	530750,182750
Grid Reference:	TQ3082NE

Comments:
sewer plan

ALS/ALS Standard/2010_1692237

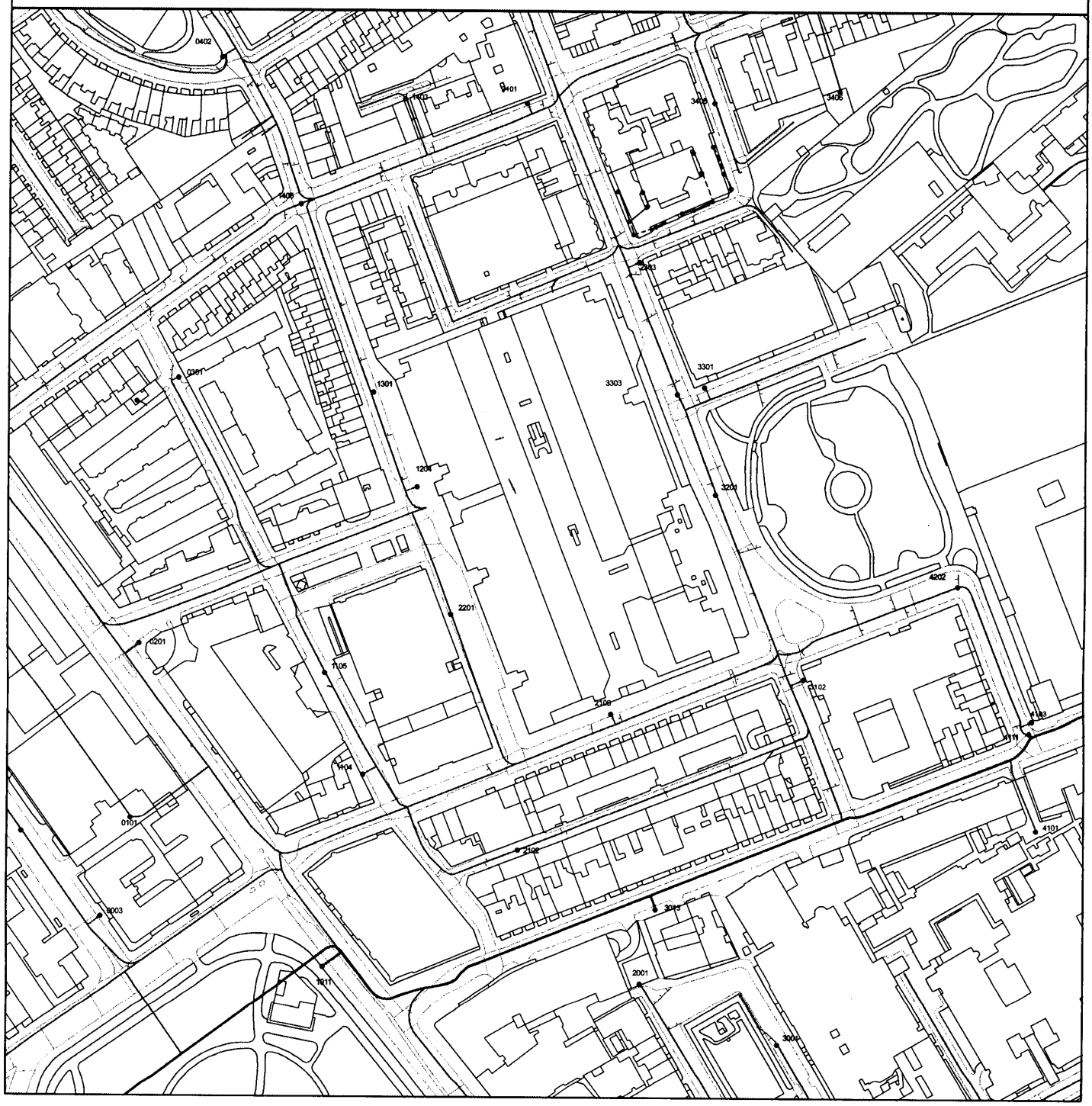
NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
9805	27.47	21.84
9903	30.08	24.4
9004		
9609	23.04	19.51
9602	23.18	19.86
9702	24.37	18.6
9802	31.2	27.16
8701	15.2	
8802	16.02	11.32
8902	19.31	15.87
7908		
7705	15.74	11.02
78EI		
7901	14.34	10.46
7902		
7504	16.02	
601B	14.85	
8803	19.65	15.71
601A	14.39	10.61
702A	18.58	13.62
8505	14.53	10.6
9502	14.47	11.45
9612	15.98	13.45
9611	16.56	13.92
9703	20.9	15.83
9608	21.48	16.44
9610	21.78	17.66
6904	14.32	10.95
6923	14.46	
69CA		
69CD		
69AE		
69BF		
69BB		
69AF		
6926	14.1	12.25
6928		
78BF		
78CC		
7802	16.46	11.33
7907	14.08	
77DC		
78CE		
77EH		
77EI		
7612		
66II		
66JA		
7601	18.15	12.59
6606		
6609	19.74	15.32
5701		
7703	17.67	12.37
6820	17.41	11.39
7801	16.77	11.46
6805	14.57	12.78
6806	14.33	11.19
68CD		
68CE		
5707	18.95	12.16
5733		1.91
5734		
4607		
5904		
6505		
65BG		
66GE		
66HI		

REFERENCE	COVER LEVEL	INVERT LEVEL
9901	30.52	26.34
9902	30.51	24.93
9512		
9601	23.04	20.03
9603	22.7	19.05
9701	27.09	23.6
8507		
8705	14.36	10.98
8603	14.48	10.98
7728	15.04	
7909		
7910		
7911		
905B	16.14	11.17
78EC		
8901	16.2	12.58
8801	19.52	15.78
8524		
8525		
8502	14.98	12.51
501B	14.59	10.58
501A		
9607	21.44	17.06
9606	21.39	17.45
9801	25.93	21.34
9605	21.54	17.93
9604	22.03	18.32
6922		
68CC		
6902		
69CC		
69BJ		
69BE		
69BA		
6929	14.22	13.32
6927	14.1	13.25
6931		
7701		
78CD		
79AB		
7805	14.23	
77DF		
77DE		
78FB		
79AH		
7604		11.97
66IJ		
66FJ		
66FH		
66FI		
66FD		
77FJ		
5706	19.02	14.77
6821		
6803	14.69	11.57
6804	14.5	10.94
7804		
6807		
78CI		
5732		1.94
5804	15.85	11.87
5903	14.41	11.19
5805		
6502		
6507		
6604		
66GH		
66GF		

Based on the Ordnance Survey Map with the sanction of the Controller of H.M Stationary Office License Number 10019345

ALS/ALS Standard/2010_1692237



0 12.5 25 50 75 100 Meters

The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified before any works are undertaken. Crown copyright Reserved

Scale:	1:1850
Width:	517m
Printed By:	trawling
Print Date:	27/01/2010
Map Centre:	530250,182250
Grid Reference:	TQ3082SW

Comments:
sewer plan

ALS/ALS Standard/2010_1692237

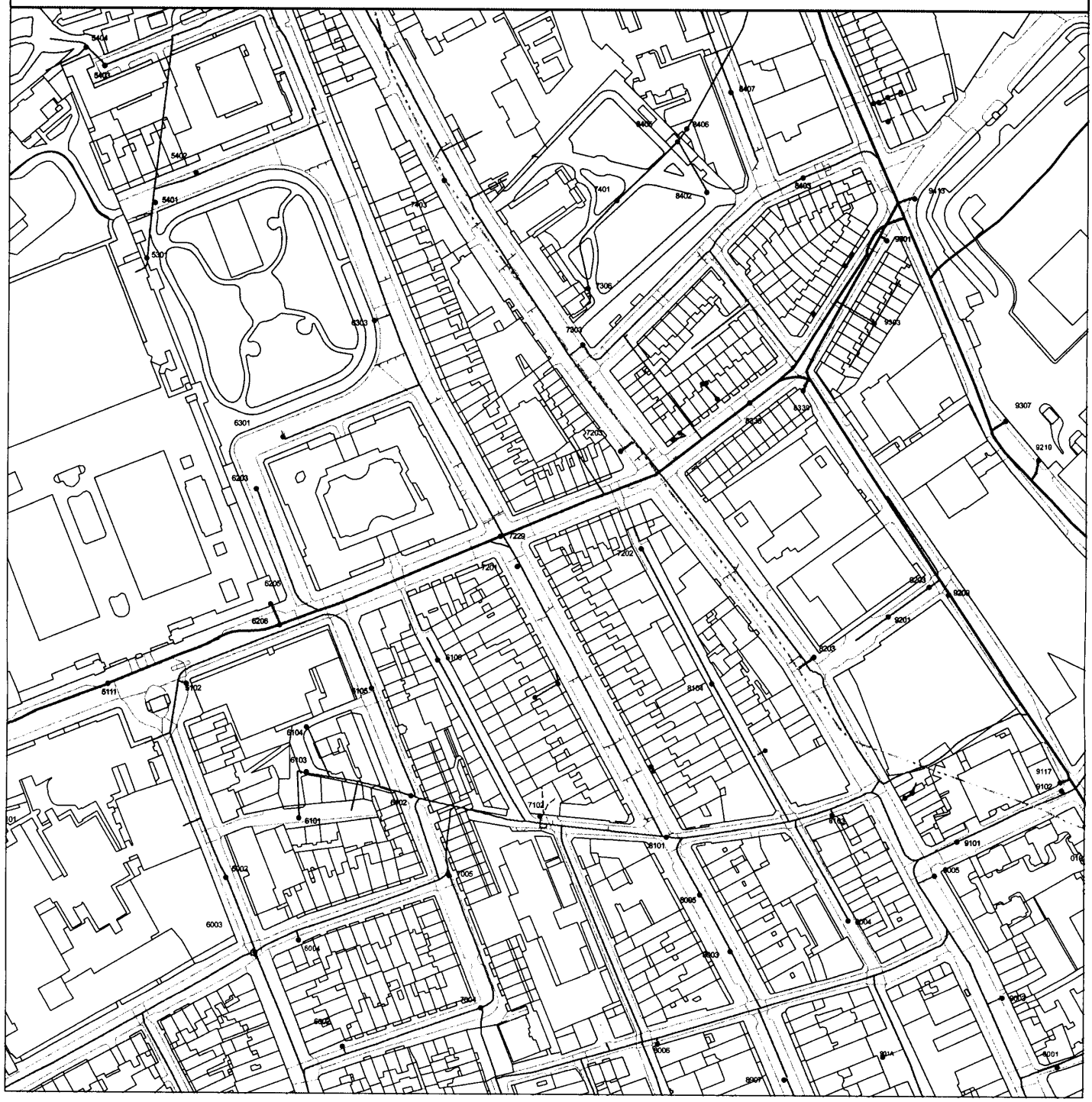
NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
3406	21.09	19.56
24DE		
24DF		
1405		
24DD		
1403	22.33	19.94
34CJ		
34DH		
34DI		
3301		
34DA		
4111	21.55	
4101	20.94	18.2
2001	24.39	20.93
0003		
2102	22.54	18.75
1104		
1105		
2201	23.28	19.5
03DI		
0301		
3201		16.88
34DC		
3102		

REFERENCE	COVER LEVEL	INVERT LEVEL
2303		
34CI		
24DG		
24DH		
2401		
0402		
3303		
34DE		
34DF		
34DG		
4202	21.97	17.91
4103		
9101	25.29	21.12
1011		
3013	23.76	
0101	24.55	20.61
2106		
0201		
1204		
1301	23.68	
3405	22.37	18.19
34DB		
3001	24.01	20.12

Based on the Ordnance Survey Map with the sanction of the Controller of H.M Stationary Office License Number 10019345

ALS/ALS Standard/2010_1692237



0 12.5 25 50 75 100 Meters

Scale:	1:1850
Width:	517m
Printed By:	trawling
Print Date:	27/01/2010
Map Centre:	530750,182250
Grid Reference:	TQ3082SE

Comments:
sewer plan

ALS/ALS Standard/2010_1692237

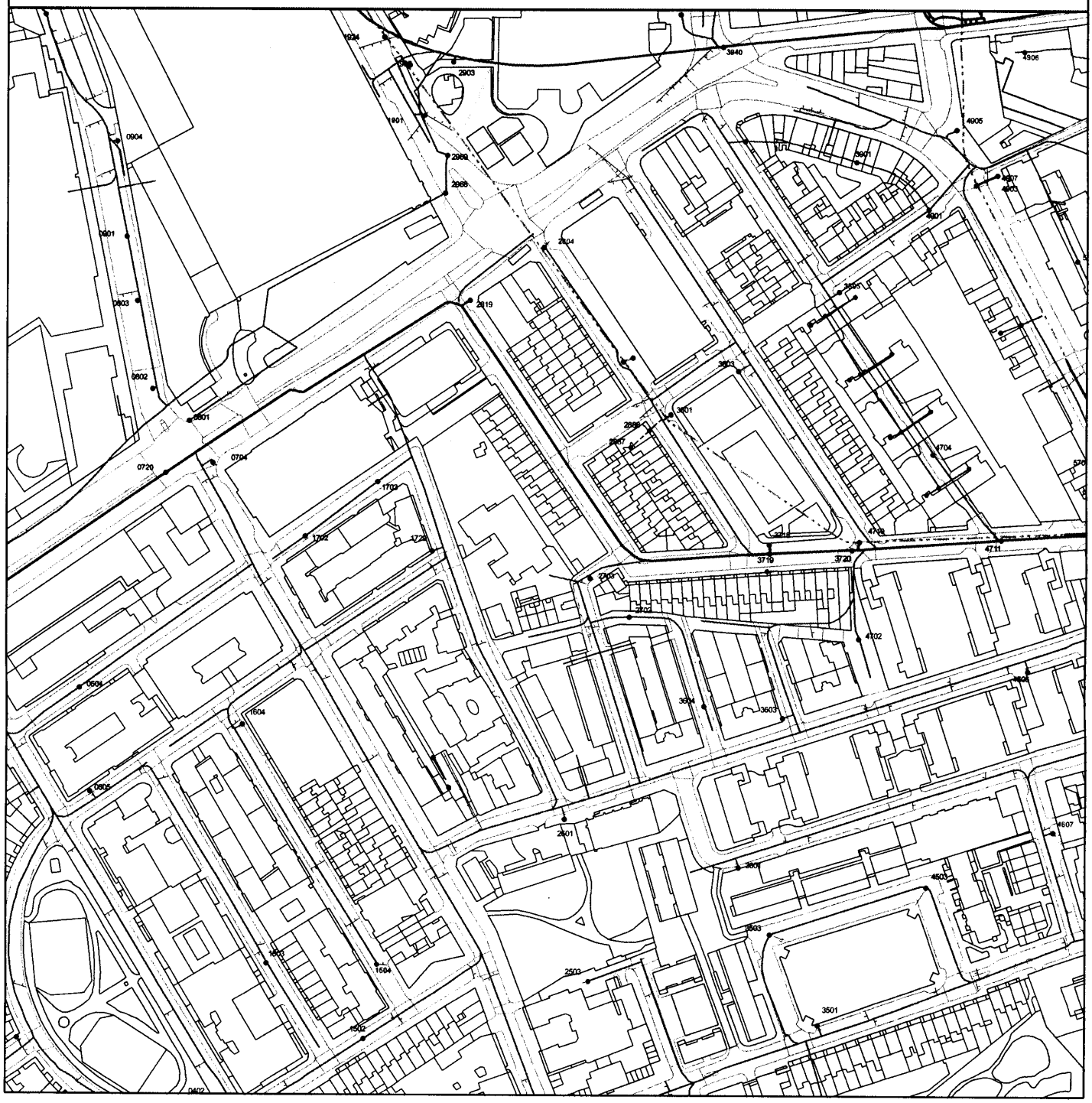
NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
901A		
8406	15.24	11.72
7306		
8407	17.94	13.41
83GG		
83IA		
9303		
9301		
94BI		
94BA		
9413	19.15	13.24
9203	17.81	14.65
9209	17.68	
5404	19.98	17.2
5111	20.71	17.02
5401	21.34	
5402	21.39	
9003		
9117		
9307	16.52	12.98
8006		
8004	20.05	16.3
8101	20.43	14.38
8103		
81CA		
71FJ		
8104	19.12	16.56
7201	21.05	
7229	21.17	16.49
83IH		
8338	20.36	16.07
8339	20.37	10.6
83FC		
6002	22.62	
6003	21.81	
5002	21.2	17.44
6101	19.31	17.29
6103	20.41	
6105	20.7	16.08
6206	21.14	16.77
6203	21.51	17.11
6303		

REFERENCE	COVER LEVEL	INVERT LEVEL
8405	19.85	
8402	18.98	
7401	19.92	18.09
8403	18.69	
83HJ		
94BG		
94BF		
94BB		
9201	18.02	14.97
91CF		
91CD		
9005		
9101	17.7	12.69
5403	19.65	15.99
5301		
5102	20.71	
9001	20.62	
9102	15.39	
9210	15.85	13.26
8907	22.36	17.08
8003	21.83	16.33
8005	21.12	15.36
7102		
81BJ		
8195		
71GA		
8203	18.25	
7202	20.25	19.49
7203	20.55	
83II		
83FE		
83FD		
7303		
7004	22.37	18.51
6004	21.87	
7005	20.95	
6102	20.49	15.73
6104	20.16	16.5
6106	20.63	17.22
6205		
6301	21.51	17.85
7403		

Based on the Ordnance Survey Map with the sanction of the Controller of H.M Stationary Office License Number 10019345

ALS/ALS Standard/2010_1692237



0 12.5 25 50 75 100 Meters

Scale:	1:1850
Width:	517m
Printed By:	trawling
Print Date:	27/01/2010
Map Centre:	530250,182750
Grid Reference:	TQ3082NW

Comments:
sewer plan

ALS/ALS Standard/2010_1692237

NB: Level quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates no Survey information is available.

REFERENCE	COVER LEVEL	INVERT LEVEL
2968		
0904		
1902		
1924		2.37
0803	18.17	14.72
2804	16.99	12.96
0604	21.79	18.47
0802	18.94	
0801	19.23	17.68
1604		
1703	19.21	15.2
16DH		
2601		
2802		
2887		
2888		
38EC		
38EA		
38EB		
4702	20.61	16.35
48BG		
48BF		
47BE		
4503	20.98	17.56
1502	23.79	16.54
1504		
3801		
3604	21.11	18
47BD		
47BC		
4907		
4711	20.17	11.48
4906		
4607		
9502		
3803		
3941		
3718		
3503	21.18	18.3
38ED		

REFERENCE	COVER LEVEL	INVERT LEVEL
2969	116.6	112.27
1901	16.51	13.99
2903		
0025	17.5	13.66
2819		11.91
0901		
0605		
0720		12.23
0704	19.28	
1702		
1729		
26DE		
2703	20.25	
2702	20.34	16.05
2806		
3501		
3805		
3720	20.18	11.5
3901		
4710	20.18	
48BA		
48AJ		
4901	17.07	12.21
48AH		
2503	21.52	18.39
1503	23.74	18.68
002B		
4704	19.5	11.68
4905	16.1	
4903		2.36
48CG		
48CH		
4606		
5805		
3940	16.26	
3601		
37DF		
3719	17.12	11.56
3603		

Based on the Ordnance Survey Map with the sanction of the Controller of H.M Stationary Office License Number 10019345

ALS/ALS Standard/2010_1692237

0 12.5 25 50 75 100
Meters

Scale:	1:1850
Width:	517m
Printed By:	trawling
Print Date:	27/01/2010
Map Centre:	530750,182750
Grid Reference:	TQ3082NE

Comments:
sewer plan