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- All information shown outside the Proposal Boundary is for illustrative purposes only.

- Internal layouts are for illustrative purposes only.

- Base building survey information by LCY and MSA

SCALE BAR



LEGEND

- EXISTING RETAINED PRINCIPAL BUILDINGS
- PROPOSED BUILDINGS
- EXTENT OF PROPOSED WORKS
- EXTENT OF PARKING ZONES FOR FULL PLANNING PERMISSION
- PROPOSED DEVELOPMENT BOUNDARY LINE
- PROPOSED NOISE BARRIER
- APPLICATION DRAWING SET BOUNDARY

A	SW	16.06.15	Issued for Planning Appeal
-	MN	01.07.13	Issued for Planning
Rev	Dm	Date	Description

FOR INFORMATION

LondonCityAirport
London City Airport Limited City Aviation House Royal Docks London E16 2PB

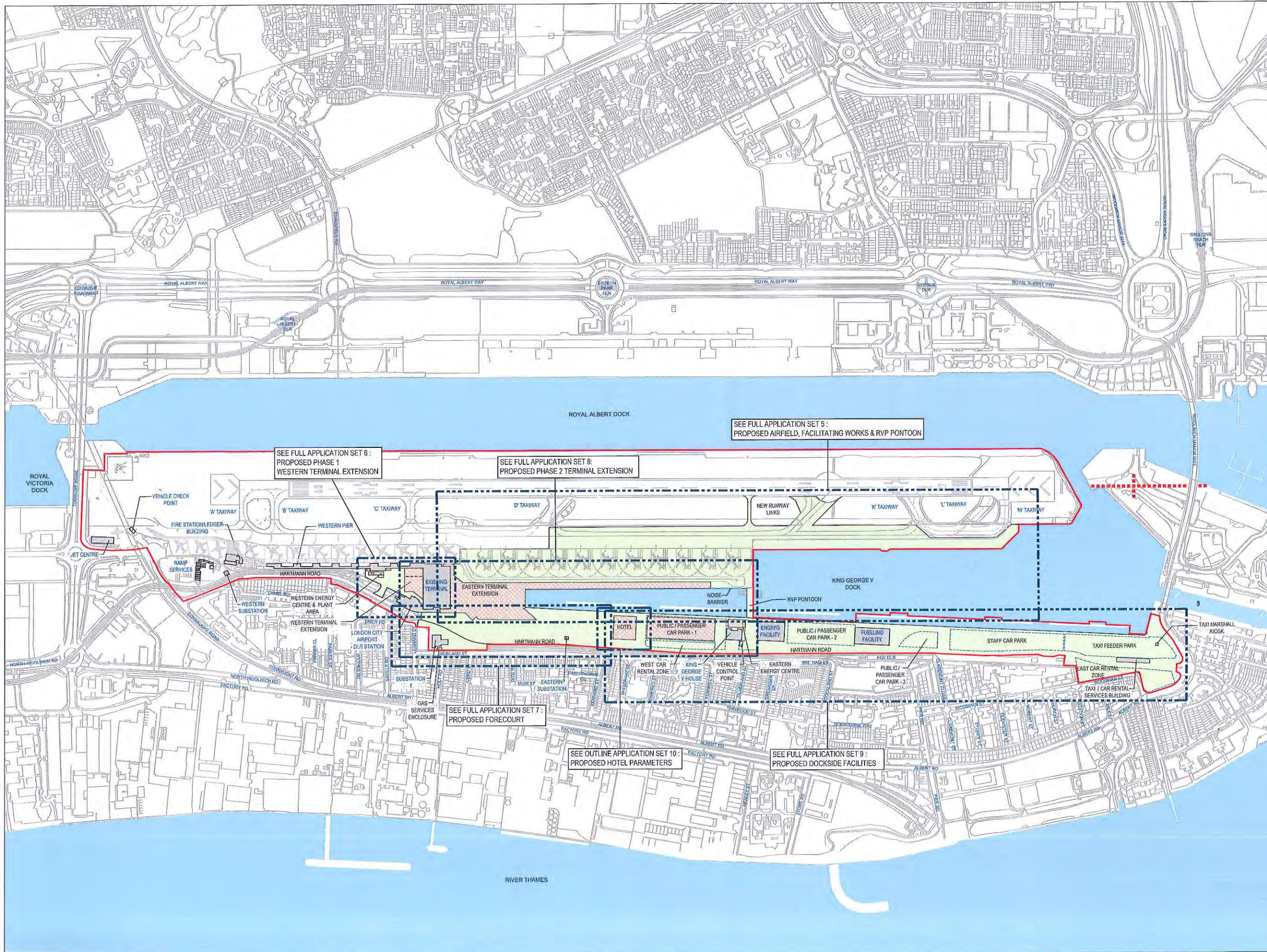
**PASCALL
+WATSON**

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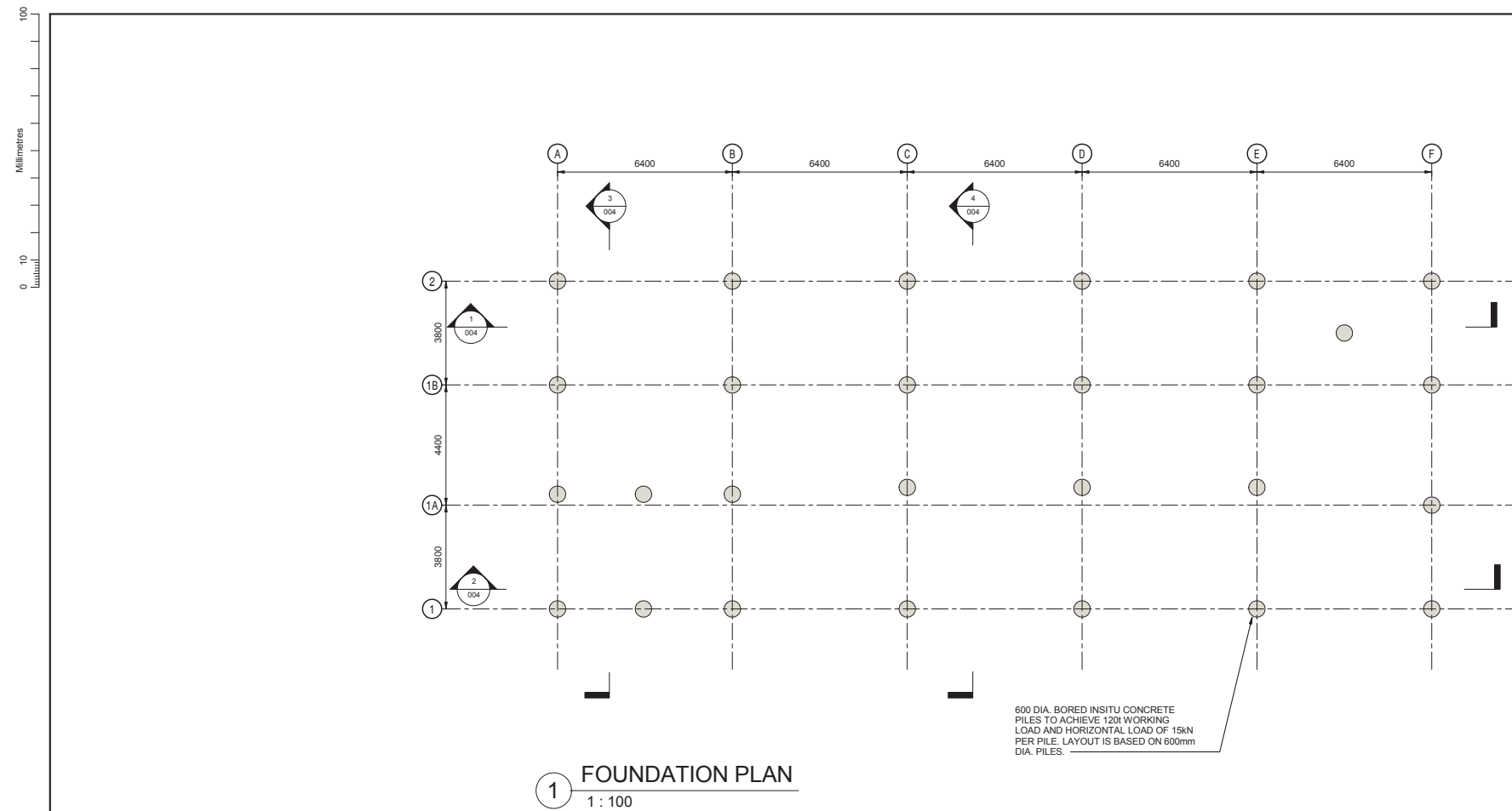
Client
LONDON CITY AIRPORT
Project Name
CITY AIRPORT DEVELOPMENT PROGRAMME

Title
3 - KEY PLAN

Discipline		Project Phase	
Architecture		PLANNING	
Drawing Originator		Originator's job No.	
Pascall+Watson architects		4486	
Checked By	Checked Date	Drawn By	Drawn Date
SW	16.06.2015	GC	11.03.2013
Approved By	Approval Date	Scale	
MN	16.06.2015	1:3500 A1	
Building Grid Reference			
SITE			
Client	Originator	Project Ref.	Discipline
LCY	P+W	4486	B
Drawing No.		Revision	
SI20004		A	



1 PROPOSED SITE KEY PLAN
1:3500



DO NOT SCALE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

FOR CONSTRUCTION, OPERATION, MAINTENANCE & DEMOLITION
RISKS REFER TO STAGE 2 DESIGNER'S RISK ASSESSMENT :
A400-ATK-Z-00-XXX-DC-SC-900-001

MAINTENANCE/CLEANING

AS ABOVE

DECOMMISSIONING/DEMOLITION

AS ABOVE

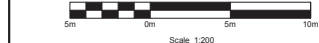
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

NOTES:

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER ARCHITECTURAL, STRUCTURAL, CIVIL, MECHANICAL, ELECTRICAL AND SPECIAL MECHANICAL AND RELEVANT DOCUMENTS.
2. THIS DRAWING REPRESENTS DESIGN DEVELOPMENT AT RIBA 2 STAGE (CONCEPT) AND IS SUBJECT TO FURTHER DESIGN DEVELOPMENT IN FUTURE STAGES.
3. SECTION THROUGH STEELWORK TO SUPPORT OF CLADDING, INTERNAL PARTITIONS, BALUSTRADES, STAIRS, LIFTS ETC NOT SHOWN. RESPONSIBILITY FOR THE DESIGN OF SECONDARY STRUCTURE TO BE REVEALED BY OTHER DRAWINGS.
4. WIND POST AND MASONRY SUPPORT STEELWORK TO BE DEVELOPED IN NEXT DESIGN STAGE.
5. ALL DIMENSIONS IN mm UNO.
6. NEW STEELWORK TO BE GRADE S355.
7. NEW CONCRETE TO BE STRENGTH C32/40.
8. CONTRACTOR TO ENSURE TEMPORARY STABILITY DURING CONSTRUCTION.
9. APPROXIMATE WEIGHT OF REINFORCEMENT IN CONCRETE STRUCTURAL ELEMENTS:
- | | |
|-------------------|-----------------------|
| 150 COMPRESS SLAB | = 20kg/m ² |
| 500 COMP SLAB | = 20kg/m ² |
10. PRELIM BEAM TO BE INSTALLED AT ALL CONNECTIONS BETWEEN INTERNAL AND EXTERNAL STEELWORK.
11. LAYOUT BASED ON STRUCTURAL REVIT MODEL A40-ATK-S-09-XXX-XX-XX-247-001.

PRIVATE

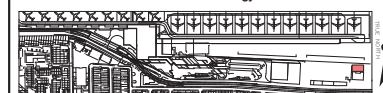
SCALE BAR



Scale 1:200

KEY PLAN

ZONE: Eastern Energy Centre EEC



02	14/09/16	STAGE 2 FINAL BUILDING ENGINEERING DRAWINGS	RGP	CJB	MD
01	02/09/16	DRAFT ISSUE FOR COSTING	DKG	CJB	MD
Rev.	Date	Description	By	CHK'd	App'd

Drawing Status

FOR INFORMATION

Suitability
S2

ATKINS

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Client

www.atkinsglobal.com

London City Airport
Get closer.

Project Title

LONDON CITY AIRPORT
CADP EASTERN ENERGY CENTRE

Drawing Title

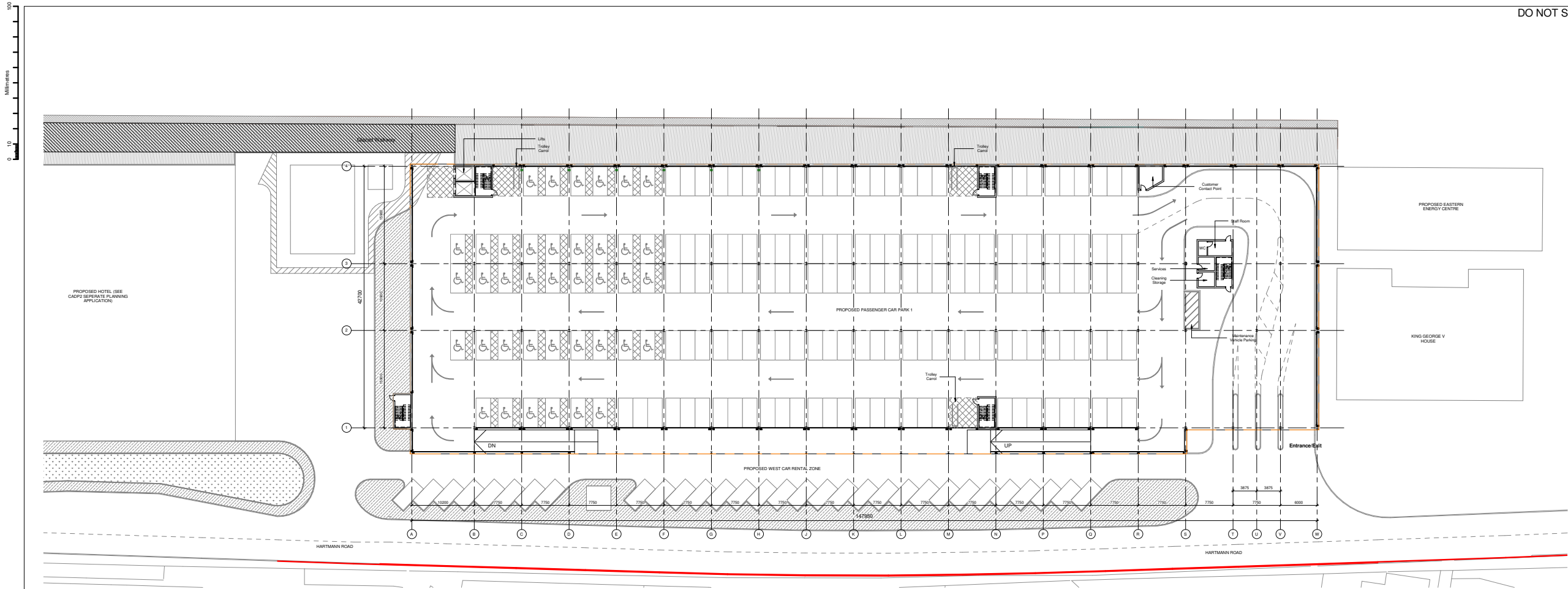
Drawing Title

EASTERN ENERGY CENTRE
FOUNDATION PLAN
STRUCTURAL GENERAL ARRANGEMENT

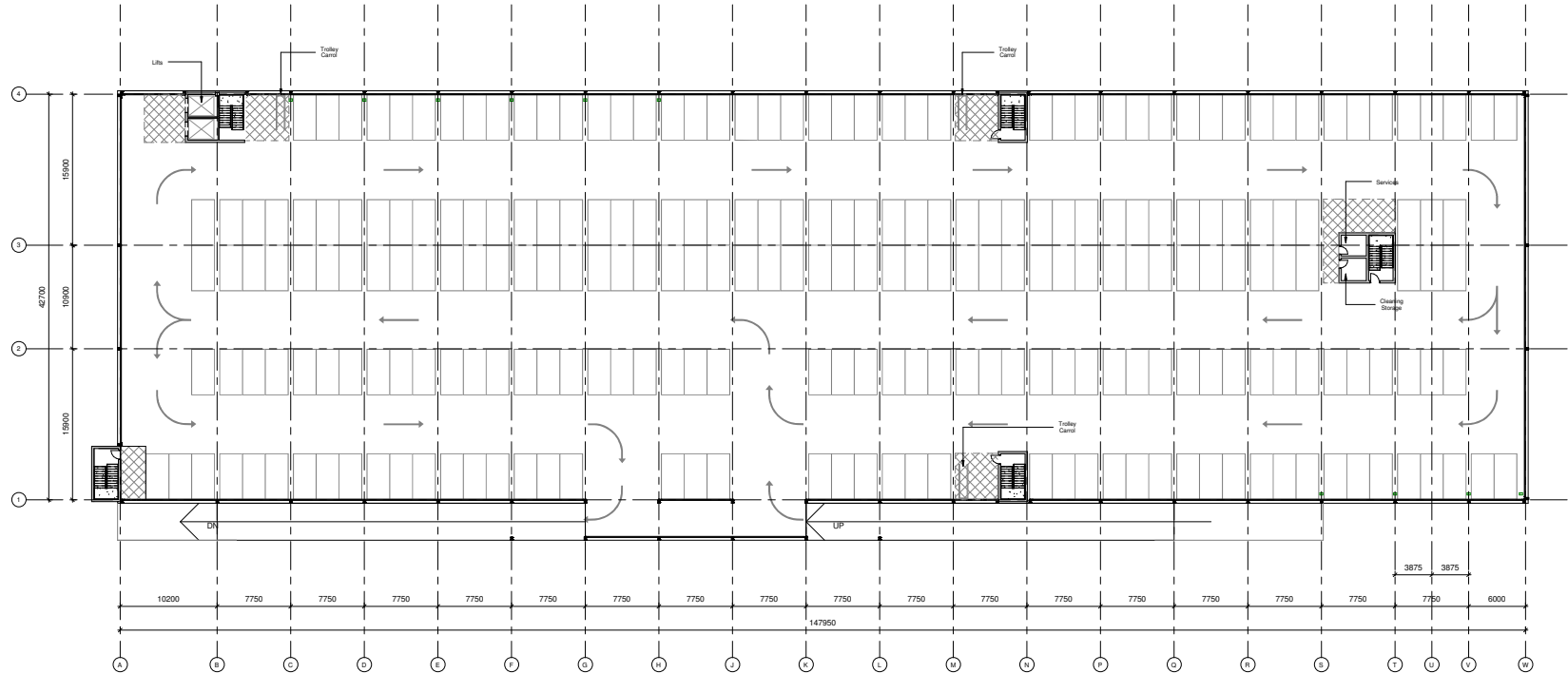
Scale As indicated	Designed CO	Drawn DKG	Checked CJB	Authorised MDS
Original Size A1	Date 01/09/16	Date 01/09/16	Date 14/09/16	Date 14/09/16

Drawing Number									
Proj Code	Orig	Dis	Zone	Level	Type	Sub	Series / Num	Rev	Status
A400-ATK-S-09-I 00-DB-GA-247-001-02-S2									

7100 APR 5 55 ESS BR CA 217 551 52 52



1 Ground Floor Plan
1 : 250



2 First Floor Plan
1 : 250

DO NOT SCALE

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION

MAINTENANCE/CLEANING

DECOMMISSIONING/DEMOLITION

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

SCALE BAR

KEY PLAN

ZONE:

Rev	Date	Description	By	Check	App'd

FOR INFORMATION

S2

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London City Airport

Get closer.

Project Title

LONDON CITY AIRPORT
CITY AIRPORT DEVELOPMENT
PROGRAMME (CADP)

Drawing Title

LCA Dockside
Passenger Car Park 1 (PCP 1)
GA Plans

Scale	Designed	Drawn	Checked	Authorised
1 : 250	SFM	SFM	FB	RM

Original Size	Date	Date	Date	Date
A0	30/06/2017	30/06/2017	30/06/2017	30/06/2017

Drawing Number	Proj Code	City	Dis	Zone	Level	Type	Sub	Series / Num	Rev	Status
A400-ATK-A-32-XXX-DR-GA-200-001-01-S2										

Appendix B. BGS Borehole Logs



**British
Geological Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 947108 : BGS Reference: TQ48SW466

British National Grid (27700) : 54202,180360

[Report an issue with this borehole](#)

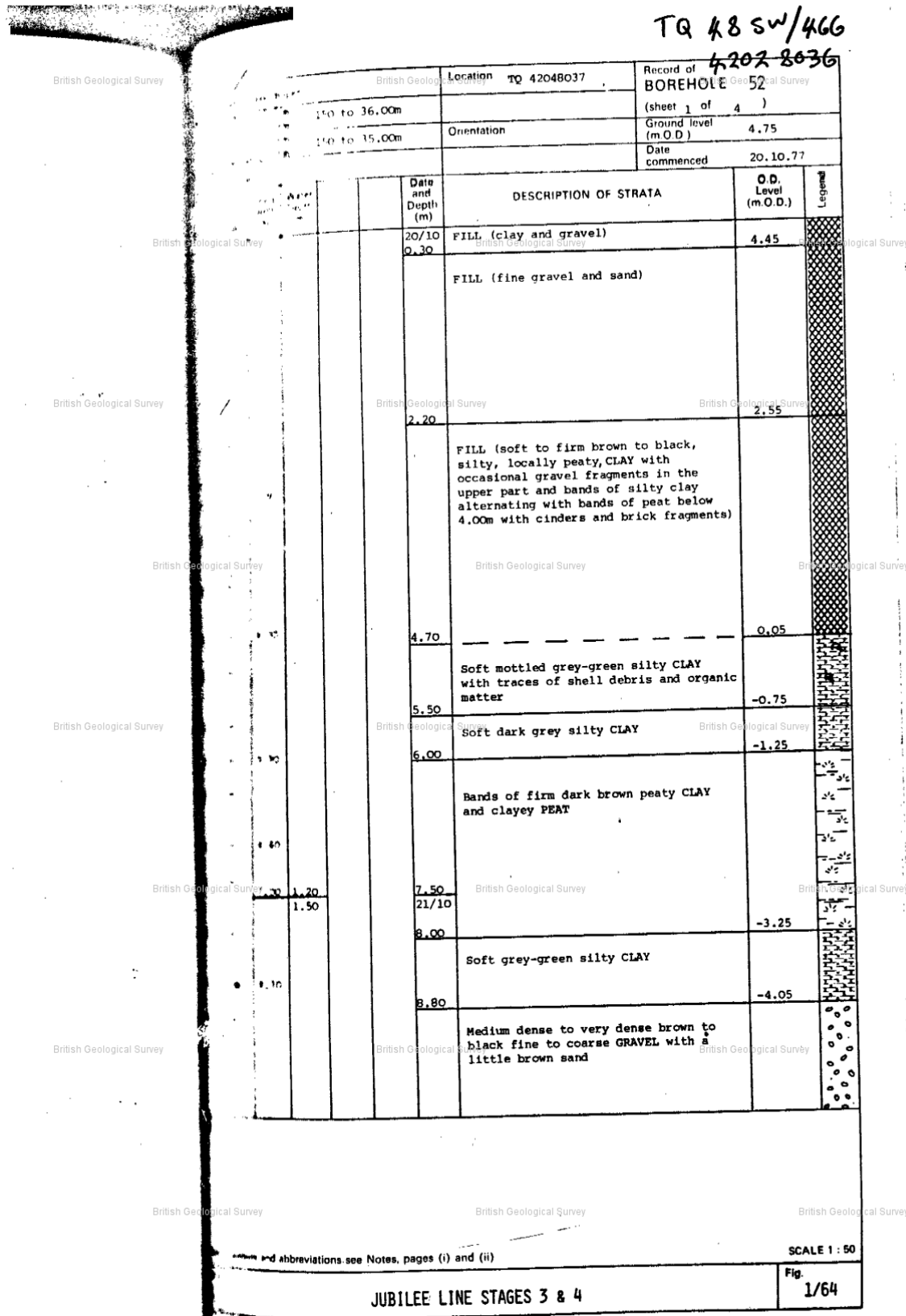
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**British
Geological Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 947108 : BGS Reference: TQ48SW466

British National Grid (27700) : 542020,180360

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TQ 48 SW / 466
4202 8036

Location		Record of BOREHOLE 52	
		(sheet 2 of 4)	
Orientation		Ground level (m.O.D.)	
		Date commenced	
Date and Depth (m)	DESCRIPTION OF STRATA	O.D. Level (m.O.D.)	Legend
	(See previous sheet)		
13.50 24/10			
17.70		-12.95	
7.60 17.00	Very dense brown-grey slightly silty fine SAND, increasingly silty with depth		

SCALE 1 : 50

Fig 1/64
(CONT'D)

JUBILEE LINE STAGES 3 & 4



**British
Geological Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

BGS ID: 947108 : BGS Reference: TQ48SW466

British National Grid (27700) : 542020,180360

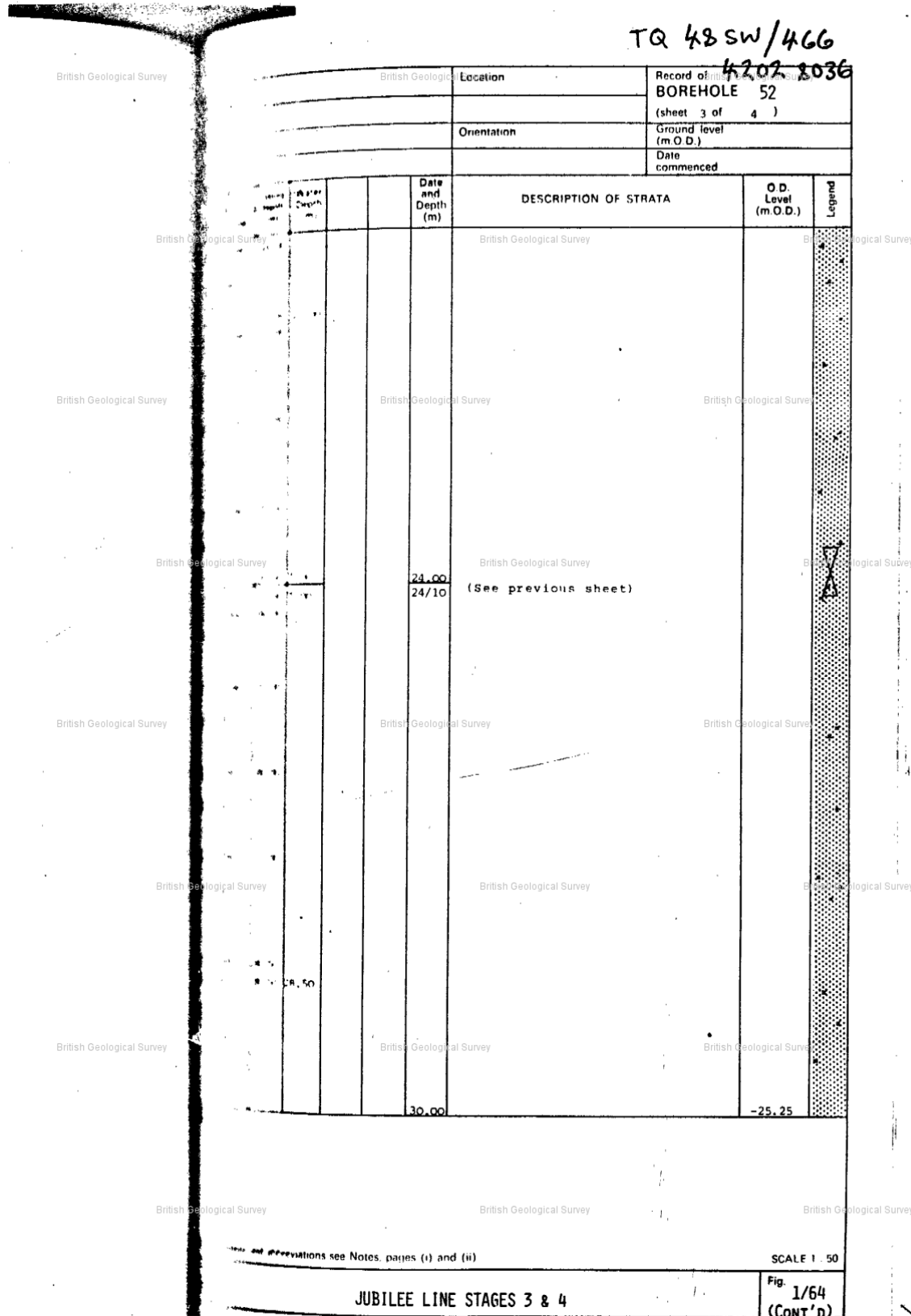
[Report an issue with this borehole](#)

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BGS ID: 947108 : BGS Reference: TQ48SW466

British National Grid (27700) : 54202,180360

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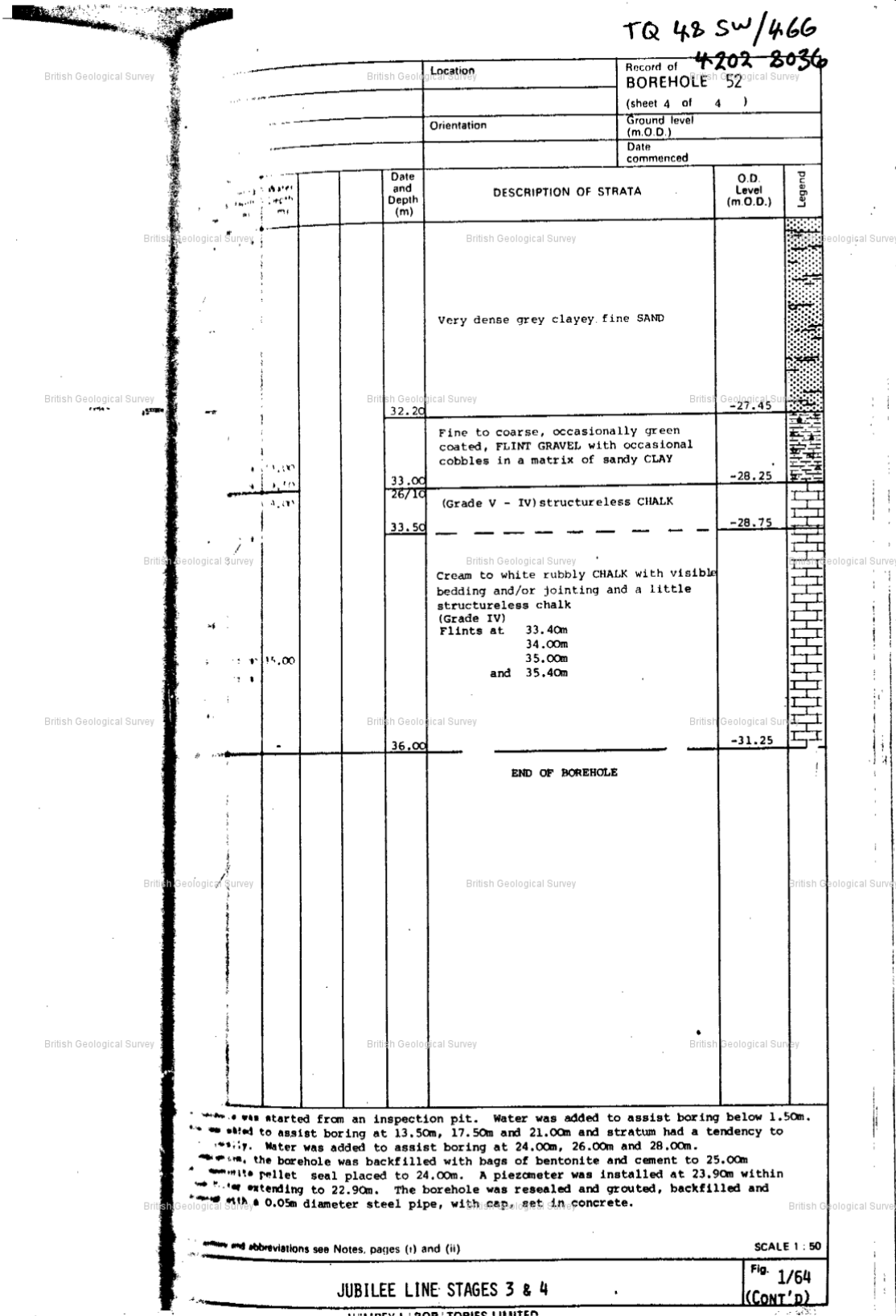
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Appendix C. Screening Sheets

Present above Detection Limit but does not exceed Tier 1 SSAC															
Exceedance of Tier 1 SSAC															
All reported values below LoD															
Determinand	Units	No. Samples	No. Detections	Min Conc.	Average Conc.	Max Conc.	Location of Min.	Location of Max.	WQS (or other available GAC)	No. Exceed EQS	Source	SamplePoint	BH01	TP02	BH02
												SampleDate	24/01/2017	26/01/2017	03/02/2017
Dissolved Metals															
Arsenic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	10.00	0	Water Supply Regs 2016		< 5	< 5	< 5
Boron	ug/l	3	3	11.00	44.67	82.00	BH02	TP02	1000.00	0	Water Supply Regs 2016		41	82	11
Cadmium	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	0.20	0	2015 WFD Directions - Schedule 3 Part 3		< 1	< 1	< 1
Chromium	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	50.00	0	Water Supply Regs 2016		< 5	< 5	< 5
Copper	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	19.11	0	Calculated per 2015 WFD Directions - Schedule 3 Part 2 where DOC > 1mg/l		< 5	< 5	< 5
Mercury	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	0.07	0	2015 WFD Directions - Schedule 3 Part 3 (MAC value - no AA value given)		< 0.1	< 0.1	< 0.1
Nickel	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	8.60	0	2015 WFD Directions - Schedule 3 Part 3		< 5	< 5	< 5
Lead	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	1.30	0	2015 WFD Directions - Schedule 3 Part 3		< 5	< 5	< 5
Selenium	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	10.00	0	Water Supply Regs 2016		< 5	< 5	< 5
Zinc	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	6.80	0	2015 WFD Directions - Schedule 3 Part 2		< 5	< 5	< 5
Inorganics															
Ammoniacal Nitrogen as N	mg/l	3	3	0.20	0.47	0.80	BH02	BH01	0.39	2	Water Supply Regs 2016. Derived from Ammonium as NH4+ (x0.778)		0.8	0.4	0.2
Hexavalent Chromium	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	3.40	0	2015 WFD Directions - Schedule 3 Part 3		< 100	< 100	< 100
Phenols															
Total Monohydric Phenols	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	7.70	0	2015 WFD Directions - Schedule 3 Part 2		< 5	< 5	< 5
Polyaromatic hydrocarbons															
Naphthalene GCMS	ug/l	3	3	0.05	0.06	0.07	BH02	TP02	2.00	0	2015 WFD Directions - Schedule 3 Part 3		0.06	0.07	0.05
Acenaphthylene GCMS	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		< 0.01	< 0.01	< 0.01
Acenaphthene GCMS	ug/l	3	3	0.01	0.02	0.02	BH01	TP02	n/a	-	-		0.01	0.02	0.02
Fluorene GCMS	ug/l	3	1	0.01	0.00	0.01	TP02	TP02	n/a	-	-		< 0.01	0.01	< 0.01
Phenanthrene GCMS	ug/l	3	3	0.03	0.04	0.04	BH01	TP02	n/a	-	-		0.03	0.04	0.04
Anthracene GCMS	ug/l	3	1	0.01	0.00	0.01	BH02	BH02	0.10	0	2015 WFD Directions - Schedule 3 Part 3		< 0.01	< 0.01	0.01
Fluoranthene GCMS	ug/l	3	3	0.02	0.02	0.03	BH01	TP02	0.0063	3	2015 WFD Directions - Schedule 3 Part 3		0.02	0.03	0.02
Pyrene GCMS	ug/l	3	2	0.02	0.01	0.02	TP02	TP02	n/a	-	-		< 0.01	0.02	0.02
Benzo (a) anthracene GCMS	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		< 0.01	< 0.01	< 0.01
Chrysene GCMS	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		< 0.01	< 0.01	< 0.01
Benzo (b) fluoranthene GCMS	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	0.0017	0	2015 WFD Directions - Schedule 3 Part 3 (MAC value)		< 0.01	< 0.01	< 0.01
Benzo (k) fluoranthene GCMS	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	0.0017	0	2015 WFD Directions - Schedule 3 Part 3 (MAC value)		< 0.01	< 0.01	< 0.01
Benzo (a) pyrene GCMS	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	0.00017	0	2015 WFD Directions - Schedule 3 Part 3		< 0.01	< 0.01	< 0.01
Indeno (1,2,3-cd) pyrene GCMS	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		< 0.01	< 0.01	< 0.01
Dibenzo(a,h)anthracene GCMS	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		< 0.01	< 0.01	< 0.01
Benzo(ghi)perylene GCMS	ug/l	3	1	0.01	0.00	0.01	TP02	TP02	0.00082	1	2015 WFD Directions - Schedule 3 Part 3 (MAC value)		< 0.01	0.01	< 0.01
Total PAH															
Total PAH(16) GCMS	ug/l	3	3	0.17	0.20	0.24	BH01	TP02	n/a	-	-		0.17	0.24	0.19
BTEX															
Benzene	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	1.00	0	DWS 2000 Regs		g < 1.00	g < 1.00	< 1.00
Toluene	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	74.00	0	2015 WFD Directions - Schedule 3 Part 3		g < 1.00	g < 1.00	< 1.00
Ethylbenzene	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	20.00	0	non-statutory EQS EA/SNIFFER 2001 S		g < 1.00	g < 1.00	< 1.00
Xylenes	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	30.00	0	2010 Directions: Part 6 EQS		g < 1.00	g < 1.00	< 1.00
MTBE	ug/l	0	0	0.00	#DIV/0!	0.00	N/A	N/A	1.50	0					
TPH CWG															
>C5-C6 Aliphatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	15000.00	0	WHO CL:AIRE guideline		g < 1.0	< 1.0	< 1.0
>C6-C8 Aliphatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	15000.00	0	WHO CL:AIRE guideline		g < 1.0	< 1.0	< 1.0
>C8-C10 Aliphatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	300.00	0	WHO CL:AIRE guideline		g < 5.0	< 5.0	< 5.0
>C10-C12 Aliphatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	300.00	0	WHO CL:AIRE guideline		g < 5.0	< 5.0	< 5.0
>C12-C16 Aliphatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	300.00	0	WHO CL:AIRE guideline		g < 5.0	< 5.0	< 5.0
>C16-C21 Aliphatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		g < 5.0	< 5.0	< 5.0
>C21-C35 Aliphatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		g 7.3	< 5.0	< 5.0
>C35-C40 Aliphatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		g < 5.0	< 5.0	< 5.0
Total (>C5-C40) Aliphatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		g 7.3	< 5.0	< 5.0
>C5-C7 Aromatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	10.00	0	WHO CL:AIRE guideline		g < 1.0	< 1.0	< 1.0
>C7-C8 Aromatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	700.00	0	WHO CL:AIRE guideline		g < 1.0	< 1.0	< 1.0
>C8-C10 Aromatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	300.00	0	WHO CL:AIRE guideline		< 5.0	< 5.0	< 5.0
>C10-C12 Aromatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	90.00	0	WHO CL:AIRE guideline		g < 5.0	< 5.0	< 5.0
>C12-C16 Aromatic	ug/l	3	1	7.10	2.37	7.10	TP02	TP02	90.00	0	WHO CL:AIRE guideline		g < 5.0	7.1	< 5.0
>C16-C21 Aromatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	90.00	0	WHO CL:AIRE guideline		g < 5.0	< 5.0	< 5.0
>C21-C35 Aromatic	ug/l	3	2	5.20	5.47	11.20	TP02	BH02	90.00	0	WHO CL:AIRE guideline		g 5.8	5.2	11.2
>C35-C40 Aromatic	ug/l	3	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		g < 5.0	< 5.0	< 5.0
Total (>C5-C40) Aromatic	ug/l	3	2	11.20	7.83	12.30	BH02	TP02	n/a	-	*Old UK DWS* - Water Supply (Water Quality) Regs 1989		g 5.8	12.3	11.2
Total (>C5-C40) Al/Aro	ug/l	3	2	11.20	7.83	12.30	BH02	TP02	10.00	2	*Old UK DWS* - Water Supply (Water Quality) Regs 1989		g 13.1	12.3	11.2

Piling Risk Assessment: Eastern Energy Centre and Multi Storey Car Park

Present above Detection Limit but does not exceed Tier 1 SSAC
Exceedance of Tier 1 SSAC
All reported values below LoD

Determinand	Units	No. Samples	No. Detections	Min Conc.	Average Conc.	Max Conc.	Location of Min.	Location of Max.	WQS (or other available GAC)	No. Exceed EQS	Source	SamplePoint	BH01	BH01	BH02	BH02	WS13
												SampleDate	22/02/2017	15/03/2017	13/03/2017	20/03/2017	Deviating
Dissolved Metals																	
Aluminium	ug/l	4	1	333.00	83.25	333.00	BH02	BH02	200.000	1	Water Supply Regs 2016		< 85	< 85	< 85	333	
Arsenic	ug/l	5	3	10.00	38.60	114.00	WS13	BH01	10.00	3	Water Supply Regs 2016		85	114	< 5	< 5	10
Boron	ug/l	5	5	370.00	452.40	548.00	WS13	BH02	1000.00	0	Water Supply Regs 2016		385	421	548	538	370
Barium	ug/l	4	4	124.00	133.50	144.00	BH02	BH01	1300.00	0	WHO 4th Edition (2017)		144	137	124	129	
Beryllium	ug/l	4	0	0.00	0.00	0.00	N/A	N/A	12.00	0	WHO 4th Edition (2017)		< 5	< 5	< 5	< 5	
Cadmium	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	0.20	0	2015 WFD Directions - Schedule 3 Part 3		< 1	< 1	< 1	< 1	< 0.10
Chromium	ug/l	5	1	6.60	1.32	6.60	WS13	WS13	50.00	0	Water Supply Regs 2016		< 5	< 5	< 5	< 5	6.6
Copper	ug/l	5	1	7.90	1.58	7.90	WS13	WS13	62.21	0	Calculated per 2015 WFD Directions - Schedule 3 Part 2 where DOC >1mg/l		< 5	< 5	< 5	< 5	7.9
Iron	ug/l	2	44800.00	22425.00	44900.00	BH01	BH01	BH01	200.00	2	Water Supply Regs 2016		44800	44900	< 140	< 140	
Mercury	ug/l	5	1	0.10	0.02	0.10	BH02	BH02	0.07	1	2015 WFD Directions - Schedule 3 Part 3 (MAC value - no AA value given)		< 0.1	< 0.1	< 0.1	0.1	< 0.5
Molybdenum	ug/l	4	0	0.00	0.00	0.00	N/A	N/A	70.00	0	WHO 4th Edition (2017)		< 5	< 5	< 5	< 5	
Nickel	ug/l	5	5	7.00	12.00	20.00	BH01	WS13	8.60	3	2015 WFD Directions - Schedule 3 Part 3		8	7	12	13	20
Phosphorus	ug/l	4	3	18.00	36.25	64.00	BH01	BH02		0			< 5	18	63	64	
Lead	ug/l	5	1	4.20	0.84	4.20	WS13	WS13	1.30	1	2015 WFD Directions - Schedule 3 Part 3		< 1	< 1	< 1	< 1	4.2
Antimony	ug/l	4	0	0.00	0.00	0.00	N/A	N/A	5.00	0	Water Supply Regs 2016		< 5	< 5	< 5	< 5	
Selenium	ug/l	5	2	12.00	4.80	12.00	BH02	BH02	10.00	2	Water Supply Regs 2016		< 5	< 5	12	12	< 4.0
Vanadium	ug/l	4	1	5.00	1.25	5.00	BH01	BH01	20.00	0	Water Supply Regs 2016		< 5	5	< 5	< 5	
Zinc	ug/l	5	5	30.00	46.20	58.00	BH02	BH01	6.80	5	2015 WFD Directions - Schedule 3 Part 2		58	58	31	30	54
Anions																	
Chloride	mg/l	4	4	476.00	1356.75	2340.00	BH01	BH02	250.00	4	Water Supply Regs 2016		481	476	2120	2340	
Nitrate	mg/l	4	3	0.50	8.28	18.30	BH01	BH02	50.00	0	Water Supply Regs 2016		< 0.5	0.5	14.3	18.3	
Sulphate	mg/l	5	5	16.40	171.22	361.00	BH01	BH02	250.00	2	Water Supply Regs 2016		46.1	16.4	339	361	93.6
Inorganics																	
Free Cyanide	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	1.00	0	2015 WFD Directions - Schedule 3 Part 2		< 5	< 5	< 5	< 5	< 10
Ammoniacal Nitrogen as N	mg/l	4	4	0.20	10.60	21.00	BH02	BH01	0.39	2	Water Supply Regs 2016. Derived from Ammonium as NH4+ (x0.778)		21	21	0.2	0.2	
Free ammonia (NH3)	mg/l	4	4	0.20	15.15	30.00	BH02	BH01	0.021	4	2015 WFD Directions - Schedule 3 Part 2		30	30	0.4	0.2	
Hexavalent Chromium	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	3.40	0	2015 WFD Directions - Schedule 3 Part 3		< 100	< 100	< 100	< 100	< 5.0
Ammonia as NH4	mg/l	4	4	0.30	16.18	32.00	BH02	BH01	0.50	2	Water Supply Regs 2016		32	32	0.4	0.3	
Sulphide	mg/l	5	3	0.10	0.12	0.30	BH01	BH01	n/a	-	-		0.1	0.3	0.2	< 0.1	< 0.005
Total Cyanide	ug/l	4	0	0.00	0.00	0.00	N/A	N/A	1.00	0	2015 WFD Directions - Schedule 3 Part 2		< 5	< 5	< 5	< 5	
Miscellaneous																	
Biochemical Oxygen Demand (5 day)	mg/l	4	4	3.00	51.25	170.00	BH02	BH01	n/a	-	-		170	13	3	19	
Chemical Oxygen Demand	mg/l	4	4	10.00	3067.50	12000.00	BH02	BH01	n/a	-	-		12000	130	10	130	
Dissolved organic carbon	mg/l	4	4	3.40	37.20	69.00	BH02	BH01	n/a	-	-		68	69	3.4	8.4	
pH	pH units	5	5	6.90	7.02	7.30	BH01	BH01	<7, >9	0	Surface Waters (Shellfish) (Classification) Regulations 1997		7.3	6.9	6.9	6.9	7.1
E. Coli	MPN/100 m	4	4	0.00	0.00	0.00	N/A	N/A	n/a	-	-		0	0	0	0	
Coliforms	MPN/100 m	4	4	0.00	512.50	1720.00	BH01	BH02	n/a	-	-		0	0	330	1720	
Enterococci	cfu/100 ml	4	4	0.00	38.75	150.00	BH01	BH02	n/a	-	-		0	0	5	150	
Dissolved Methane	mg/l	4	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		< 0.100	< 0.100	< 0.100	to follow	
Faecal Coliforms	MPN/100 m	4	4	0.00	85.00	290.00	BH01	BH02	n/a	-	-		0	30	290	20	
Salmonella	cfu/100 ml	4	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-		ND	ND	Not Detected	ND	
Clostridia	cfu/100 ml	4	4	0.00	26.00	52.00	BH01	BH02	n/a	-	-		0	40	12	52	
Phenols																	
Total Monohydric Phenols	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	7.70	0	2015 WFD Directions - Schedule 3 Part 2		< 1	< 1	< 1	< 1	< 10
Polycyclic aromatic hydrocarbons																	
Naphthalene GCMS	ug/l	5	4	0.01	0.02	0.05	BH02	BH01	2.00	0	2015 WFD Directions - Schedule 3 Part 3		0.03	0.05	0.01	0.02	< 0.01
Acenaphthylene GCMS	ug/l	5	3	0.01	0.01	0.01	BH01	BH01	n/a	-	-		< 0.01	0.01	0.01	0.01	< 0.01
Acenaphthene GCMS	ug/l	5	1	0.01	0.00	0.01	BH01	BH01	n/a	-	-		< 0.01	0.01	< 0.01	< 0.01	< 0.01
Fluorene GCMS	ug/l	5	2	0.01	0.00	0.01	BH01	BH01	n/a	-	-		0.01	0.01	< 0.01	< 0.01	< 0.01
Phenanthrene GCMS	ug/l	5	4	0.05	0.05	0.12	BH01	BH01	n/a	-	-		0.05	0.12	0.05	0.05	< 0.01
Anthracene GCMS	ug/l	5	4	0.01	0.01	0.03	BH02	BH01	0.10	0	2015 WFD Directions - Schedule 3 Part 3		0.02	0.03	0.01	0.01	< 0.01
Fluoranthene GCMS	ug/l	5	4	0.04	0.08	0.14	BH01	BH01	0.0063	4	2015 WFD Directions - Schedule 3 Part 3		0.04	0.14	0.12	0.12	< 0.01
Pyrene GCMS	ug/l	5	4	0.04	0.08	0.13	BH01	BH01	n/a	-	-		0.04	0.13	0.11	0.13	< 0.01
Benzo (a) anthracene GCMS	ug/l	5	4	0.01	0.04	0.09	BH01	BH01	n/a	-	-		0.01	0.09	0.03	0.05	< 0.01
Chrysene GCMS	ug/l	5	3	0.04	0.04	0.07	BH01	BH02	n/a	-	-		< 0.01	0.04	0.07	0.07	< 0.01
Benzo (b) fluoranthene GCMS	ug/l	5	3	0.05	0.03	0.06	BH02	BH01	0.0017	3	2015 WFD Directions - Schedule 3 Part 3 (MAC value)		< 0.01	0.06	0.05	0.05	< 0.01
Benzo (k) fluoranthene GCMS	ug/l	5	3	0.04	0.03	0.05	BH01	BH02	0.0017	3	2015 WFD Directions - Schedule 3 Part 3 (MAC value)		< 0.01	0.04	0.04	0.05	< 0.01
Benzo (a) pyrene GCMS	ug/l	5	3	0.02	0.02	0.04	BH01	BH02	0.00017	3	2015 WFD Directions - Schedule 3 Part 3		< 0.01	0.02	0.04	0.04	< 0.01
Indeno (1,2,3-cd) pyrene GCMS	ug/l	5	3	0.02	0.01	0.03	BH01	BH02	n/a	-	-		< 0.01	0.02	0.02	0.03	< 0.01
Dibenzo(a,h)anthracene GCMS	ug/l	5	1	0.01	0.00	0.01	BH02	BH02	n/a	-	-		< 0.01	< 0.01	< 0.01	0.01	< 0.01
Benzo(ghi)perylene GCMS	ug/l	5	3	0.03	0.02	0.05	BH02	BH02	0.00082	3	2015 WFD Directions - Schedule 3 Part 3 (MAC value)		< 0.01	0.04	0.03	0.05	< 0.01
Total PAH	ug/l	5	4	0.24	0.47	0.81	BH01	BH01	n/a	-	-		0.24	0.81	0.59	0.71	< 0.2
Total PAH(16) GCMS																	
BTX																	
Benzene	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	1.00	0	DWS 2000 Regs		< 1.00	< 1.00	< 1.00	< 1.00	< 1.0
Toluene	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	74.00	0	2015 WFD Directions - Schedule 3 Part 3		< 1.00	< 1.00	< 1.00	< 1.00	< 1.0
Ethylbenzene	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	20.00	0	non-statutory EQS EA/SNIFFER 2001 S		< 1.00	< 1.00	< 1.00	< 1.00	< 1.0
p & m-xylene	ug/l	1	0	0.00	0.00	0.00	N/A	N/A	0.003	0							< 1.0
o-xylene	ug/l	1	0	0.00	0.00	0.00	N/A	N/A	0.003	0							< 1.0
Xylenes	ug/l	4	0	0.00	0.00	0.00	N/A	N/A	30.00	0	2010 Directions: Part 6 EQS		< 1.00	< 1.00	< 1.00	< 1.00	< 1.0
MTBE	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	1.50	0			< 1.00	< 1.00	< 1.00	< 1.00	< 1.0
TPH CWG																	
>C5-C6 Aliphatic	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	15000.00	0	WHO CL:AIRE guideline		< 1.0	< 1.0	< 1.0	< 1.0	< 10.0
>C6-C8 Aliphatic	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	15000.00	0	WHO CL:AIRE guideline		< 1.0	< 1.0	< 1.0	< 1.0	< 10.0
>C8-C10 Aliphatic	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	300.00	0	WHO CL:AIRE guideline		< 5.0	< 5.0	< 5.0	< 5.0	< 10.0
>C10-C12 Aliphatic	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	300.00	0	WHO CL:AIRE guideline		< 5.0	< 5.0	< 5.0	< 5.0	< 10.0
>C12-C16 Aliphatic	ug/l	5	0	0.00	0.00	0.00	N/A	N/A	300.00	0	WHO CL:AIRE guideline		< 5.0	< 5.0	< 5.0	< 5.0	< 10.0
>C16-C21 Aliphatic	ug/l	5	1	8.10	1.62	8.10	BH01	BH01	n/a	-	-		8.1	< 5.0	< 5.0	< 5.0	< 10.0
>C21-25 Aliphatic	ug/l	4	21.80	34.56	84.20	BH01	BH02	n/a	-	-		21.8	33.2	34.2	23.6	< 10.0	
>C35-C40 Aliphatic	ug/l	4	2	5.30	3.10	7.10	BH01	BH02	n/a	-	-		< 5.0	5.3	7.1	< 5.0	
Total (>C5-C35) Aliphatic	ug/l	1	0	0.00	0.00	0.00	N/A	N/A	n/a	-	-						
Total (>C5-C40) Aliphatic	ug/l	4	4	23.60	48.251												

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