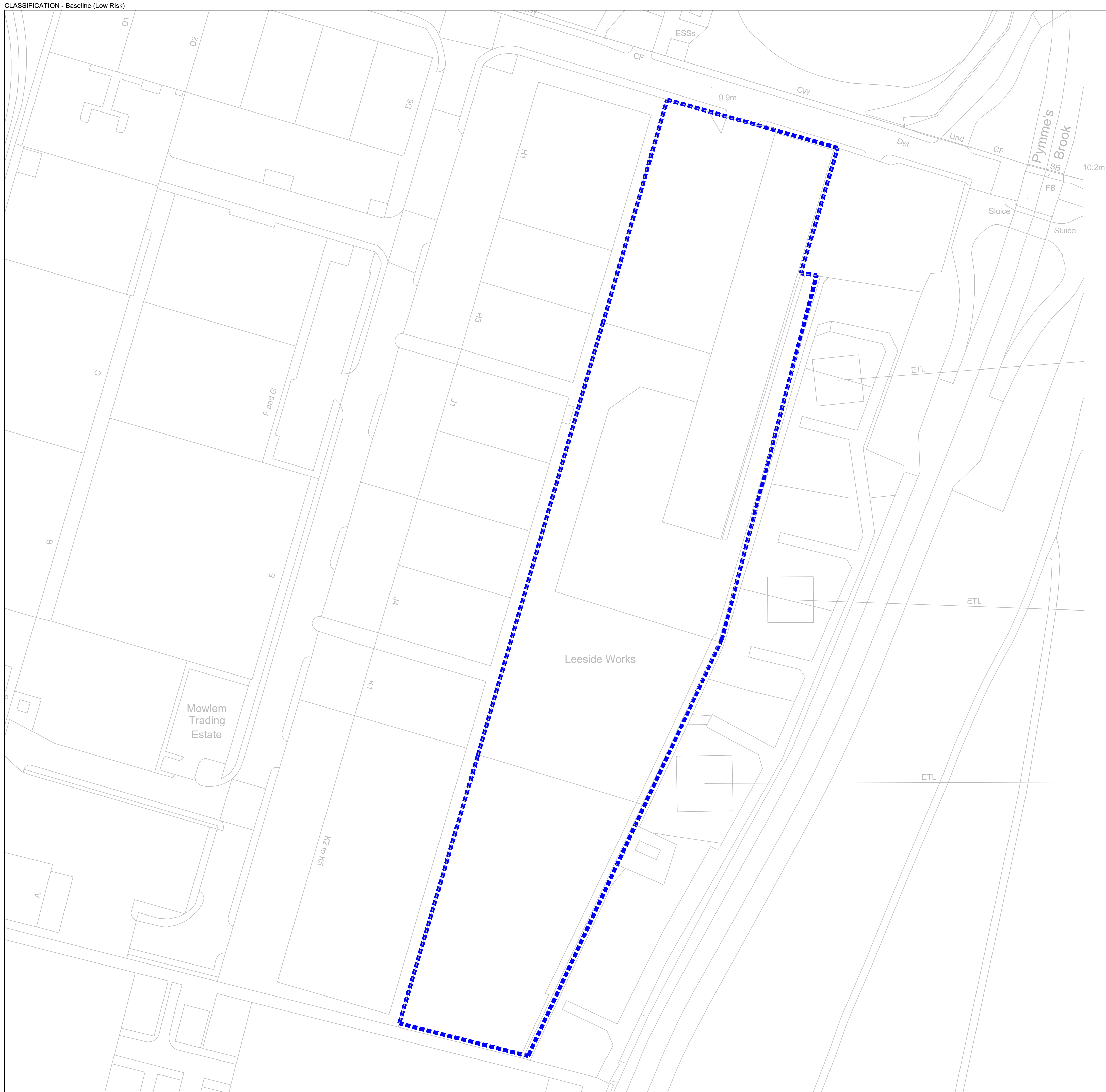
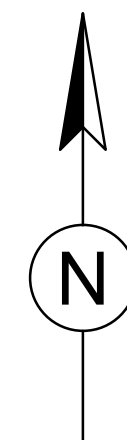




DO NOT SCALE

[illegible]

P01	16/12/24	FOR INFORMATION	SK	JF	JF
Rev.	Date	Description	By	Chk'd	App'd

Drawing Status	FOR INFORMATION	Suitability	S2
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_____ Date of Title _____

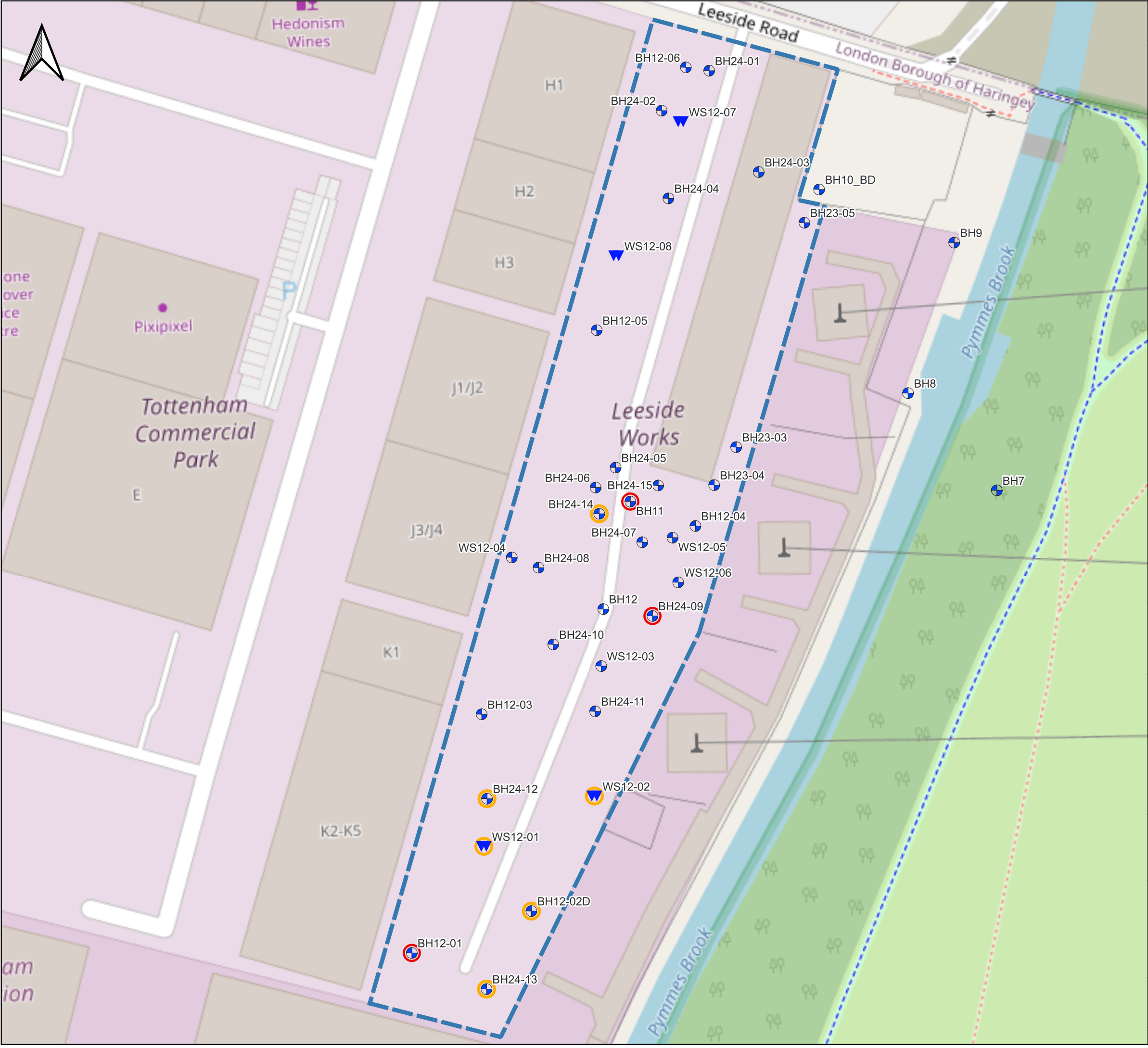
TOTTENHAM (SITE CODE 8021)

Drawing Title	
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SITE LAYOUT PLAN

Scale 1:500	Designed SK	Drawn SK	Checked JF	Authorised JF
Original Size ##	Date 16/12/2024	Date 16/12/2024	Date 16/12/2024	Date 16/12/2024

Drawing Number	FIGURE 2	Revision
		P01



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LEGEND

- Site Boundary
- Historical Exploratory Locations
 - Borehole
 - Window Sample
 - DNAPL Pool Height Below 0.102 m Thickness
 - DNAPL Pool Height Above 0.102 m Thickness

Project Title

Phase 2 Remediation Pilot Trial
NGET Arriva Bus Depot, Tottenham



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Ashley Road
Epsom
Surrey
KT18 5BW

Client

National Grid Energy Transmission

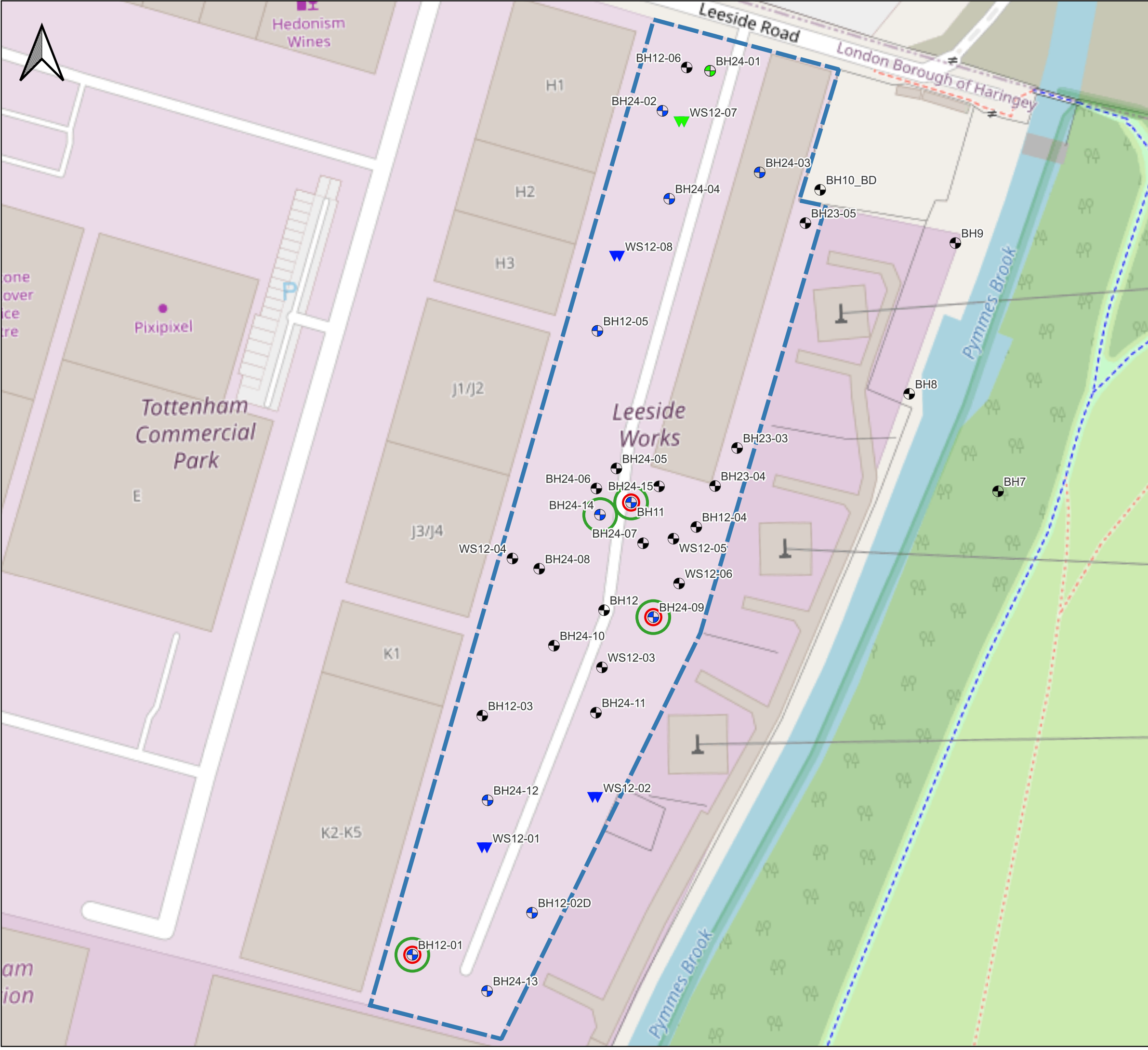
Drawing Title

Figure 3 - Exploratory Hole Plan

0 5 10 15 20 25 m



Original Size:	A3	Scale:	1:1,750	Project Ref. No	8021	Sheet	1 of 1	Rev	001
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LEGEND

- Site Boundary
- Historical Exploratory Locations
 - Borehole
 - Terminated
 - Window Sample
 - Not monitored
 - Not monitored
 - DNAPL Pool Height Above 0.102 m Thickness
 - NET System DNAPL Recovery Wells

Project Title

Phase 2 Remediation Pilot Trial
NGET Arriva Bus Depot, Tottenham



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Client

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Drawing Title

Figure 4 - Monitored Locations

0 5 10 15 20 25 m



Original Size:	A3	Scale:	1:1,750	Project Ref. No	8021	Sheet	1 of 1	Rev	001
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APPENDICES

Appendix A. Exploratory hole logs



MONITORING WELL LOG

BH11

Sheet 1 of 2

PROJECT No: 51603-00

DATE: 18/04/13, 19/04/13

EASTING: 535375.44

SITE: Tottenham Marshes

LOGGED BY: Danreb Pablo

NORTHING: 191422.20

CLIENT: NGPH

CONTRACTOR: CC Ground Investigations

ELEVATION: 10.44 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID (ppm)	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.10	MADE GROUND			
					0.40	Asphalt.			
						MADE GROUND	0.0		
						Concrete (non-reinforced).			
					1.20	MADE GROUND		SPT = 2	1.2 m
						Light brown slightly clayey gravelly fine to coarse sand with gravels of subangular to subrounded fine to coarse sandstone and flint. Occasional brick and glass fragments.			
						Very soft dark grey to black slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is subangular fine to medium of flint. Strong hydrocarbon odour. [ALLUVIUM]		BH11/BS2 BH11/2.0	1.8 - 2.0 m 1.9 - 2.0 m
					2.65		72.1		
					2.80				
						Very loose dark grey to black clayey subangular to subrounded fine to medium GRAVEL. Moderate hydrocarbon odour. [ALLUVIUM]	2.3	SPT = 3	2.65 m 2.75 m
						Soft dark grey to black slightly sandy slightly gravelly CLAY. Gravel is subangular to subrounded fine to medium of flint. Sand is fine to medium. Moderate hydrocarbon odour. [ALLUVIUM]	0.9		3.0 m
					3.90		0.8	BH11/1	3.4 m 3.4 - 3.6 m
						Dark brown silty organic CLAY. Peaty. Moderate hydrocarbon odour. [ALLUVIUM]		SPT = 12	3.75 m
					4.20			BH11/BS1	4.2 - 5.2 m
						Dense grey sandy subangular fine to coarse GRAVEL. Sand is fine to coarse. [KEMPTON PARK GRAVEL]			
						Becoming medium density from 5.6 mbgl.	1.4	SPT = 33	4.75 m 4.8 m
					5.90			BH11/3	5.3 - 5.5 m
						Dark grey to black slightly sandy CLAY. Sand is fine to medium. Slight oily sheen with strong hydrocarbon odour. [KEMPTON PARK GRAVEL]	7.2	SPT = 12	5.2 m
					6.10				
					6.40			SPT = 16	6.0 m 6.3 m
						Medium density grey sandy subangular fine to coarse GRAVEL. Sand is fine to coarse. Oily sheen on gravels. [KEMPTON PARK GRAVEL]		BH11/4	6.8 - 6.9 m
						Stiff grey slightly sandy CLAY. [LONDON CLAY FORMATION]			
							1.8		7.5 m
								SPT = 24	8.25 m
								SPT = 26	9.65 m
					10.05				

NOTES

Drilling polymer used to flush casing from 6.1 - 6.9 mbgl.
Filter sock used with installation.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

 Water Strike
 Rest Groundwater Level

Drilling Method: Rotary Percussion

Borehole Diameter: 128 mm

Screen Material: HDPE

Screen Diameter: 50 mm

Screen Slot Size: 1 mm

Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.

MONITORING WELL LOG

BH11

Sheet 2 of 2

PROJECT No: 51603-00

DATE: 18/04/13, 19/04/13

EASTING: 535375.44

SITE: Tottenham Marshes

LOGGED BY: Danreb Pablo

NORTHING: 191422.20

CLIENT: NGPH

CONTRACTOR: CC Ground Investigations

ELEVATION: 10.44 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID (ppm)	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
11								SPT = 24	11.4 m
12									
13								SPT = 25	12.9 m
14									
15									
15.6		15.6 m			15.60	Becoming hard below 15.6 mbgl			
16						End of borehole.		SPT = >30	15.6 m
17						15.6 m			
18									
19									
20									

NOTES

Drilling polymer used to flush casing from 6.1 - 6.9 mbgl.
Filter sock used with installation.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽

 Water Strike

▼

 Rest Groundwater Level

Drilling Method: Rotary Percussion

Borehole Diameter: 128 mm

Screen Material: HDPE

Screen Diameter: 50 mm

Screen Slot Size: 1 mm

Sand Particle Size: 2 - 3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 09/01/2013

EASTING: 535321.83

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191311.44

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.79 mAOD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.15	Reinforced concrete			
					0.25	MADE GROUND: Loose yellow grey gravelly sand. Gravel is medium - coarse, angular fragments of sandstone (Sub-base)	2.8 ppm	BH12-01/1	0.3 - 0.5 m
1					1.20	MADE GROUND: Medium dense, dark brown, slightly silty, gravelly sand. Sand is fine to coarse. Gravel is fine to coarse, angular to sub-rounded fragments of brick, concrete and sandstone with fragments of metal and glass. Slight hydrocarbon odour.	180 ppm		1.0 m
2					2.30	MADE GROUND: Dense, dark brown to black, silty, gravelly, sand. Gravel is fine to coarse, angular to sub-angular fragments of metal, brick, concrete and glass. Hydrocarbon odour.	1100 ppm	BH12-01/2	2.0 - 2.2 m
					2.55	MADE GROUND: Compact, dark brown to black, sandy, gravelly, slightly clayey silt. Gravel is fine to medium, angular to sub-angular fragments of stone. Strong hydrocarbon odour.			
3		2.7 m			3.10	MADE GROUND: Firm, light grey to brown, gravelly clay. Gravel is fine, angular to sub-angular. Hydrocarbon odour and slight staining of oil in clay.	200 ppm	BH12-01/3	3.0 m
		2.8 m			4.00	MADE GROUND: Compact black sandy, gravelly silt. Gravel is fine to coarse, angular fragments of stone and glass. Strong hydrocarbon odour and hydrocarbon staining.			3.15 - 3.35 m
4					4.00	Loose grey brown, sandy GRAVEL. Gravel is fine to coarse, angular to rounded, poorly sorted. Sand is angular to sub-angular and coarse. (RIVER TERRACE GRAVEL).	1900 ppm		4.0 m
5					6.25		700 ppm		5.5 m
6						Stiff, grey brown CLAY. (LONDON CLAY)	120 ppm		6.5 m
7		6.5 m					0.8 ppm		7.5 m
		6.6m			8.00	Borehole terminated at 8.0 mbgl in London Clay. Cased to 7.0 mbgl.			

NOTES

Hand dug pit to 1.3 mbgl. Probed to 1.5 mbgl.
Water strike at 3.5 mbgl
Strong odour in pit (tar smell not like gasworks)
Poor recovery of gravel but collapsed back on runs of clay.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic Rotary
Borehole Diameter: 140 mm to 70 mbgl 128 to 8 mbgl
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm
All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 14/01/2013

EASTING: 535351.15

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191321.71

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.63 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Asphalt			
						Reinforced concrete			
						MADE GROUND: Loose dark brown, gravelly, cobbly sand. Sand is fine to medium. Gravel is fine to coarse, angular to sub-rounded fragments of brick, concrete and stone. Frequent wood fragments. Cobbles are broken bricks. Hydrocarbon odour below 0.5 mbgl. Hydrocarbon tar in soil.	450 ppm	BH12-02D/1	0.2 - 0.3 m 0.5 m
					1.50	MADE GROUND: Loose red to dark brown, slightly silty, gravelly sand. Sand is fine to medium. Gravel is fine to coarse, angular to sub-angular fragments of brick and sandstone. Frequent wood. Strong hydrocarbon odour.			
					3.00	@ 2.4 - 3.0 mbgl Matrix very tarry	2000 ppm	BH12-02D/2	2.5 - 2.8 m
					3.80	Light brown/black, clayey SILT. Black is hydrocarbon staining. Tar found in fissures. Strong hydrocarbon odour. (ALLUVIUM)			
					4.40	Light brown, clayey SILT. Tar found in fissures. Hydrocarbon odour. (ALLUVIUM)			
					5.30	Very stiff, light brown, gravelly CLAY. Gravel is medium to coarse, sub-angular to sub-rounded flint. (ALLUVIUM)	700 ppm	BH12-02D/3	4.9 - 5.0 m
					6.50	Loose, light brown, sandy GRAVEL. Sand is medium to coarse. Gravel is fine to coarse, sub-angular to sub-rounded flint and sandstone. (RIVER TERRACE GRAVEL) Hydrocarbon in matrix from 6.3 - 6.5 mbgl.			
					7.00	Very soft, brown, grey CLAY. (LONDON CLAY)	15 ppm	BH12-02D/4	6.8 - 6.9 m
						Borehole terminated at 7.0 mbgl in London Clay.			
						7 m			

NOTES

Hand dug to 1.15 mbgl. Water in pit.
Probed to 1.3 mbgl.
Borehole terminated at 7.0 mbgl in London Clay

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic and Rotary
Borehole Diameter: 140 mm
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 14/01/2013

EASTING: 535367.16

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191464.16

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.44 m0AD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.20	Asphalt			
					0.30	Reinforced concrete			
					0.70	MADE GROUND: Loose light brown, gravelly sand. Gravel is sub-angular to sub-rounded, medium to coarse, brick coal and stone. Occasional cobbles of concrete.	0 ppm	BH12-05/1	0.3 - 0.4m
					1.40	MADE GROUND: Loose dark brown, slightly silty, gravelly sand. Sand is fine to medium. Gravel is medium to coarse, sub-angular to sub-rounded brick, concrete and stone.	0.4 ppm	BH12-05/2	1.0 - 1.1 m
					2.05	Very soft light brown, clayey SILT. (ALLUVIUM)	12 ppm		1.45 m
					3.50	Firm light grey/green with brown mottling CLAY. Brown mottles are possible organic matter. (ALLUVIUM)	0.5 ppm		2.5 m
					4.60	Soft, dark brown CLAY. Contains frequent gastropod shells (white) and roots/stems of organic material. (ALLUVIUM)	0.3 ppm	BH12-05/3	2.8 - 2.9 m
					4.30 m 4.40 m		0.4 ppm		4.5 m
					6.35	Loose, brown/grey, sandy GRAVEL. Sand is medium to coarse and rounded. Gravel is fine to coarse, sub-rounded to well-rounded flint and sandstone. (RIVER TERRACE GRAVEL)	0.7 ppm	BH12-05/4	5.5 - 5.6 m
					6.50 m 6.60 m		2.2 ppm	BH12-05/5	6.5 - 6.6 m
					7.00	Stiff, grey/brown CLAY. (LONDON CLAY)			
						Borehole terminated at 7.0 mbgl in London Clay.			
						7 m			

NOTES

Hand dug to 1.5 mbgl.
No obvious hydrocarbon odour.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic & Rotary

Borehole Diameter: 140 mm

Screen Material: HDPE

Screen Diameter: 53 mm

Screen Slot Size: 0.75 mm

Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 21/01/2013

EASTING: 535339.49

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191337.60

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.51 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.26	Reinforced concrete with asphalt skin.			
					0.50	MADE GROUND: Dense brown, slightly silty, gravelly sand. Sand is fine to medium. Gravel is fine to coarse, sub-angular to sub-rounded fragments of brick, concrete and stone.	2.2 ppm	WS12-01/1	0.3 - 0.4 m
					0.90	MADE GROUND: Dense, dark brown/black, slightly silty, gravelly sand. Sand is medium to coarse. Gravel is fine to medium, sub-angular to sub-round fragments of brick, concrete and stone. Occasional cobbles of broken brick.	0.7 ppm		0.6 m
1	1.25 m (21/01/2013) 1.7 m (21/01/2013)	0.90 m 1.0 m			1.90	MADE GROUND: Soft, white with black mottling, sandy, gravelly CLAY. Gravel is fine to medium, sub-angular to sub-rounded fragments of chalk. (Foul lime)	1.5 ppm	WS12-01/2	1.0 - 1.1 m
2						Soft black with red tinge, sandy SILT. Oil staining, becoming more oil stained and softer with depth. Strong hydrocarbon odour. (ALLUVIUM)	1,300 ppm		2.0 m
							3,800 ppm		2.5 m
3		3.0 m 3.1 m			3.60	Firm, light brown, fissured, silty CLAY. Slight evidence of hydrocarbon staining in the fissures. Becoming softer with a slight hydrocarbon smell with depth. (ALLUVIUM)	3,500 ppm		3.0 m
4							160 ppm		4.0 m
5		5.0 m			5.00	Borehole terminated at 5.0 mbgl in clay.	500 ppm		5.0 m

NOTES

Hand dug to 1.35 mbgl.
Concrete cored.
Oil staining and hydrocarbon odour in hole
Borehole Diameter: 113 mm:2.0 mbgl, 101 mm:4.0 mbgl, 86 mm :5.0 mbgl

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic
Borehole Diameter: see notes
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 17/01/2013

EASTING: 535366.59

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191349.93

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.57 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.15	Asphalt			
						MADE GROUND: Dense dark brown, slightly silty, gravelly sand. Sand is fine to coarse, sub-angular to sub-round. Gravel is fine to coarse, angular to sub-round fragments of brick, stone and glass. Glass "Bovril" bottles found. Slight diesel odour.	0.9 ppm 1.6 ppm	WS12-02/1	0.2 - 0.3 m 0.5 m
					0.80				
					1.10	MADE GROUND: Dense black/dark brown, slightly silty, gravelly sand. Sand is sub-angular to sub-round, fine to coarse. Gravel is fine to coarse, angular to sub-round fragments of stone and glass. Strong diesel odour.	400 ppm	WS12-02/2	0.9 m - 1.0 m
						MADE GROUND: Dense black, very silty, very gravelly sand. Sand is fine to coarse, sub-angular to sub round. Gravel is medium to coarse, sub-angular to round fragments of stone. Hydrocarbon staining and strong diesel odour.	2,700 ppm	WS12-02/3	1.4 m - 1.5 m
					2.40		15,000 ppm		2.0 m
						Dark brown/black mottled, slightly clayey, slightly sandy SILT. Sand is fine. Black mottling is hydrocarbon in fissures. Strong diesel odour. Black mottling/hydrocarbons becomes less with depth. (ALLUVIUM)		WS12-02/4	2.9 m - 3.0 m
					3.80		15,000 ppm		
						Loose, brown, slightly silty, sandy GRAVEL. Gravel is fine to medium, sub-angular to well rounded. (RIVER TERRACE GRAVEL) Diesel odour and some black staining in matrix.	15,000 ppm	WS12-02/5	4.0 m 4.3 m - 4.5 m
					5.40	Borehole terminated at 5.4 mbgl in river terrace gravel.			
						5.4 m			

NOTES

Hand dug to 1.3 mbgl, probed to 1.5 mbgl.
Strong diesel odour throughout pit.
Hydrocarbons in water found in matrix of cores.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic & Rotary

Borehole Diameter: 140 mm

Screen Material: HDPE

Screen Diameter: 53 mm

Screen Slot Size: 0.75 mm

Sand Particle Size: 1-3 mm

All depths shown in metres below ground level.



PROJECT No: 51576-00

DATE: 22/01/2013

EASTING: 535371.95

SITE: Tottenham

LOGGED BY: SM

NORTHING: 191482.41

CLIENT: NGET

CONTRACTOR: CCGI

ELEVATION: 10.43 mOAD

mbgl	WATER LEVEL	WELL		LITHOLOGY		DESCRIPTION	PID	SAMPLE	
		DEPTH	DETAIL	LEGEND	DEPTH			LABEL	DEPTH
					0.10	Reinforced concrete			
					0.20	MADE GROUND: Loose dark brown, slightly gravelly sand. Gravel is fine to coarse and sub-angular to sub-rounded.			
					0.53	Concrete.			
					0.90	MADE GROUND: Loose dark brown, slightly silty gravelly sand. Gravel is fine to coarse, sub-angular to sub-rounded fragments of stone.	0.2 ppm	WS12-08/1	0.6 m
1		0.9 m				MADE GROUND: Loose light brown/yellow, slightly silty sand. Sand is fine. Occasional fragments of glass.	0.8 ppm		0.7 - 0.8 m
		1.0 m			1.60				1.0 m
						Light brown/yellow, slightly sandy SILT. (ALLUVIUM)	0.2 ppm		1.5 m
2		2.0 m			2.40				
		2.1 m				Firm, grey/green fissured CLAY. (ALLUVIUM)	1.7 ppm	WS12-08/2	2.5 - 2.6 m
					3.40				
						Loose, brown, slightly sandy, slightly silty GRAVEL. Gravel is fine to medium, sub-angular to well rounded fragments of flint and sandstone. (RIVER TERRACE GRAVELS)	1.3 ppm		3.5 m
							1.9 ppm		4.5 m
5		5.0 m			5.00	Borehole terminated at 5.0 mbgl in gravels.			
						5 m			

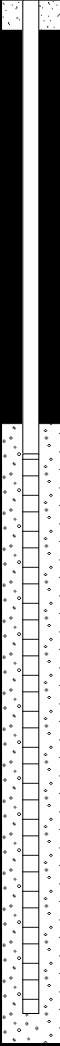
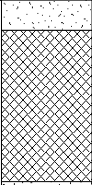
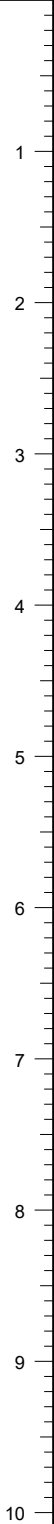
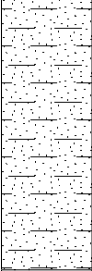
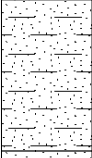
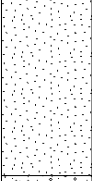
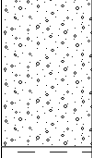
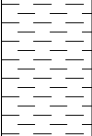
NOTES

Hand dug to 1.5 mbgl.
No obvious odour observed.

Descriptions are based on observations and hand testing of grab samples.
Mechanical tests were not performed unless otherwise stated.

▽ Water Strike
▼ Rest Groundwater Level

Drilling Method: Dynamic
Borehole Diameter: 101 mm to 3.0 mbgl, 86 mm to 5.0 mbgl
Screen Material: HDPE
Screen Diameter: 53 mm
Screen Slot Size: 0.75 mm
Sand Particle Size: 1-3 mm
All depths shown in metres below ground level.

					Borehole Log			Borehole No. BH24-02 Sheet 1 of 1		
Project Name: NGET Tottenham					Project No. 5221420		Co-ords: 535383E - 191518N		Hole Type BH	
Location: Watermead Way, Tottenham, London, N17 0SG					Level: 10.40			Scale 1:50		
Client: National Grid Property Holdings Limited					Dates: 10/09/2024			Logged By JR		
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description		
		Depth (m)	Type	Results						
		0.30 - 0.40	ES	PID=1.5	0.20	10.20		Hardstanding. CONCRETE.		
		0.50	PID						Dark brown gravelly fine to coarse SAND. Gravel is angular to subangular coarse brick, concrete and flint (MADE GROUND). Occasional medium sized wood and fabric. Hydrocarbon odour.	
		1.00 - 1.10	ES	PID=5000.0	1.20	9.20		Firm to soft greyish yellow clayey fine to coarse SAND. (ALLUVIUM)		
		1.00	PID							
		1.50	PID							
		2.00	PID	PID=5000.0	3.00	7.40		Greyish yellow soft clayey fine to coarse SAND. (ALLUVIUM).		
		2.50	PID	PID=5000.0						
		3.00	PID	PID=5000.0						
		3.50 - 3.60	ES	PID=5000.0	4.00	6.40		Grey fine SAND. Slight hydrocarbon odour. (POSSIBLE KEMPTON PARK GRAVEL MEMBER).		
		3.50	PID							
		4.00	PID	PID=5000.0	5.20	5.20		Grey sandy GRAVEL. Gravel is subangular to subrounded coarse flint. Sand is coarse. (KEMPTON PARK GRAVEL MEMBER).		
		4.50 - 4.60	ES	PID=241.2						
		4.50	PID							
		5.00	PID	PID=1332.0	6.20	4.20		Firm to stiff grey CLAY. (LONDON CLAY).		
5.50	PID	PID=397.2								
6.00	PID	PID=5.8								
6.50	PID	PID=11.2	7.20	3.20	End of Borehole at 7.20m					
Remarks										
Location concrete cored from surface to a depth of 0.2 m bgl using a 300 mm coring barrel. Follow on dynamic percussive/ rotary borehole to a final depth of 7.20 m bgl using a tracked Comacchio 205 drill rig or similar. 50 mm HDPE standpipe installed with response zone between 3.00 m and 6.70 m bgl. Location reinstated with concreted bolted traffic rated flush monitoring cover.										

Project Name: NGET Tottenham

Project No.
5221420

Co-ords: 535407E - 191503N

Hole Type
BH

Location: Watermead Way, Tottenham, London, N17 0SG

Level: 11.06

Scale
1:50

Client: National Grid Property Holdings Limited

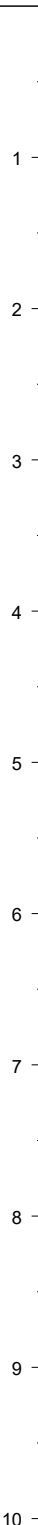
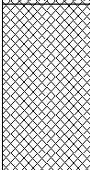
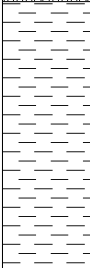
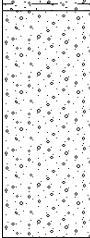
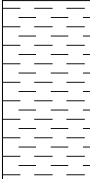
Dates: 11/09/2024

Logged By
JM

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.06	11.00		Hardstanding. Light grey matrix based fine gravelly concrete.	
					0.28	10.78		Hardstanding. Light grey matrix based medium gravelly concrete	
		0.50	PID	PID=1.2				Orangish brown gravelly cobbly fine to coarse SAND. Gravel is angular to subangular fine to coarse of brick. Cobbles are angular to subangular of brick (MADE GROUND).	1
		1.00	PID	PID=0.0	0.84	10.22		Black gravelly fine to coarse SAND. Gravel is angular to subangular medium to coarse flint, brick, ceramic and concrete (MADE GROUND). Strong hydrocarbon odour.	
		1.50 - 1.60	ES		1.50	9.56		Light brown gravelly fine to coarse SAND. Gravel is angular to subangular medium to coarse brick, flint and concrete (MADE GROUND). Strong hydrocarbon odour.	2
		1.50	PID	PID=3233.0				Black gravelly fine to coarse SAND. Gravel is subangular to subrounded small to medium brick and flint (MADE GROUND). Strong hydrocarbon odour.	
		2.00	PID		1.90	9.16		<u>Red diesel (?) staining at 2.00m bgl</u>	3
		2.50	PID	PID=15000.0					
		3.00	PID						
		3.40 - 3.50	ES		3.40	7.66		Brown clayey SAND. Hydrocarbon odour. (ALLUVIUM).	
		3.50	PID		3.60	7.46		Firm to soft greyish yellow gravelly CLAY. Gravel is subangular to subrounded small to coarse flint. Strong hydrocarbon odour. (ALLUVIUM)	4
		4.00	PID	PID=2432.0					
		4.50	PID	PID=300.7					
		5.00	PID	PID=155.1					5
		5.50 - 5.60	ES		5.50	5.56		Subangular to rounded GRAVEL of medium to coarse flint. (KEMPTON PARK GRAVEL MEMBER).	6
		5.50	PID	PID=243.7					
		6.00	PID	PID=85.7					
		6.50	PID	PID=2.8	6.40	4.66		Grey sandy GRAVEL. Gravel is subangular to subrounded medium to coarse flint. Sand is fine to coarse. (KEMPTON PARK GRAVEL MEMBER).	7
		7.00	PID	PID=5.0					
		7.20			7.20	3.86			
		7.50	PID	PID=5.3	7.40	3.66		Subangular to rounded medium to coarse GRAVEL of flint. (KEMPTON PARK GRAVEL MEMBER). Firm to stiff grey CLAY. (LONDON CLAY).	8
		8.00	PID	PID=5.9					
		8.50	PID	PID=3.8	8.50	2.56		End of Borehole at 8.50m	9
									10

Remarks

Location concrete cored from surface to a depth of 0.2 m bgl using a 300 mm coring barrel. Follow on dynamic percussive/ rotary borehole to a final depth of 8.50 m bgl using a tracked Comacchio 205 drill rig or similar. 50 mm HDPE standpipe installed with response zone between 5.00 m and 7.50 m bgl. Location reinstated with concreted bolted traffic rated flush monitoring cover.

AtkinsRéalis					Borehole Log				Borehole No. BH24-04 Sheet 1 of 1		
Project Name: NGET Tottenham					Project No. 5221420		Co-ords: 535385E - 191496N		Hole Type BH		
Location: Watermead Way, Tottenham, London, N17 0SG					Level: 10.38		Scale 1:50		Logged By GCR and JR		
Client: National Grid Property Holdings Limited					Dates: 09/09/2024						
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description			
		Depth (m)	Type	Results							
		0.20 - 0.30	ES		0.24	10.14		Hardstanding. CONCRETE.			
		0.30	PID	PID=0.0				Blackish brown sandy GRAVEL. Gravel is angular to subangular fine to coarse of brick, concrete and flint. Sand is fine to coarse (MADE GROUND).			
		0.50	PID	PID=0.0							
		0.60 - 0.70	ES								
		1.00	PID	PID=0.0	0.90	9.48		Soft light brown sandy gravelly CLAY. Sand is fine. Gravel is angular to subangular fine to coarse of brick, tarmac and flint. Occasional peat (MADE GROUND).		1	
		1.50 - 1.60	ES		2.00	8.38					
		1.50	PID	PID=1.0							
		2.00	PID	PID=5.1							
		2.50	PID	PID=12.3				Firm to stiff dark grey mottled black CLAY. Clay has occasional laminations and black staining. Slight organic odour. (ALLUVIUM). <i>band of decomposing roots and organic matter</i>			
		3.00	PID	PID=29.7	3.80	6.58				2	
		3.50	PID	PID=6.7							
		3.70 - 3.80	ES								
		4.00	PID	PID=1.2				Brownish grey slightly clayey gravelly fine to coarse SAND. Gravel is subangular to round fine to coarse of flint. (KEMPTON PARK GRAVEL MEMBER).		4	
		4.50	PID	PID=0.3	4.50	5.88		Brownish grey sandy GRAVEL. Sand is medium to coarse. Gravel is angular to rounded fine to coarse flint. (KEMPTON PARK GRAVEL MEMBER).		5	
		5.00	EW		6.00	4.38					
		5.00	PID	PID=0.0							
		5.50	PID	PID=0.0							
	6.00	PID	PID=0.8	Firm to stiff dark grey CLAY. (LONDON CLAY).				6			
	6.50	PID	PID=0.3	7.20	3.18			7			
	7.00	PID	PID=0.2								
End of Borehole at 7.20m								8			
								9			
								10			
Remarks Location concrete cored from surface to a depth of 0.2 m bgl using a 300 mm coring barrel. Follow on dynamic percussive/ rotary borehole to a final depth of 7.20 m bgl using a tracked Comacchio 205 drill rig or similar. 50 mm HDPE standpipe installed with response zone between 3.70 m and 6.30 m bgl. Location reinstated with concreted bolted traffic rated flush monitoring cover.											

Project Name: NGET Tottenham

Project No.
5221420

Co-ords: 535340E - 191349N

Hole Type
BH

Location: Watermead Way, Tottenham, London, N17 0SG

Level: 10.63

Scale
1:50

Client: National Grid Property Holdings Limited

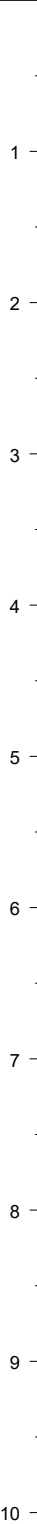
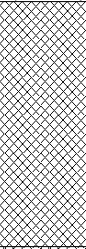
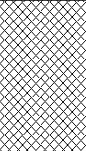
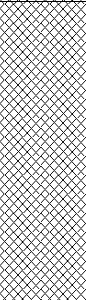
Dates: 11/09/2024

Logged By
GR

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.20	10.43		Black TARMAC.	
		0.50	PID	PID=34.7				Blackish brown GRAVEL. Gravel is subangular medium brick, tarmac fines and stone (MADE GROUND). Mild hydrocarbon odour.	1
		1.00	PID	PID=44.2					
		1.20			1.20	9.43		Black gravelly CLAY. Gravel is subangular medium (unknown) (MADE GROUND).	
		1.50 - 2.00	ES						
		1.50	PID	PID=904.3					
		2.00	PID	PID=1124.0	2.00	8.63		Partial clay infill (MADE GROUND).	2
		2.50	PID	PID=2396.0	2.50	8.13		Black gravelly CLAY. Gravel is subangular medium. Interbedded gravels of stone with hydrocarbon staining and NAPL. (ALLUVIUM?)	3
		3.00	PID	PID=400.4					
		3.50 - 4.00	ES					<u>gravel band with NAPL</u>	
		3.50	PID	PID=15000.0					
		4.00	PID	PID=15000.0				<u>gravel band with NAPL</u>	4
		4.50	PID	PID=5000.0	4.50	6.13		Soft to form brownish yellow sandy gravelly CLAY. Gravel is subangular to subrounded. DNAPL staining throughout. Strong hydrocarbon odour. (ALLUVIUM). <u>gravel band stained with NAPL</u>	5
		4.80 - 5.20	ES						
		5.00	PID	PID=27.3					
		5.50	PID	PID=45.8					
		5.80			5.80	4.83		Angular to subangular GRAVEL. (KEMPTON PARK GRAVEL MEMBER).	6
		6.00 - 6.50	ES						
		6.00	PID	PID=205.3	6.20	4.43		<u>NAPL staining and DNAPL pooling at 6.20m bgl</u> Firm to stiff dark grey CLAY. (LONDON CLAY).	
		6.50	PID	PID=395.6					
		7.00	PID	PID=662.0					7
		7.50	PID	PID=138.9	7.50	3.13		End of Borehole at 7.50m	8
									9
									10

Remarks

Location concrete cored from surface to a depth of 0.2 m bgl using a 300 mm coring barrel. Follow on dynamic percussive/ rotary borehole to a final depth of 7.50 m bgl using a tracked Comacchio 205 drill rig or similar. 50 mm HDPE standpipe installed with response zone between 3.50 m and 6.50 m bgl. Location reinstated with concreted bolted traffic rated flush monitoring cover.

				Borehole Log			Borehole No. BH24-13 Sheet 1 of 1		
Project Name: NGET Tottenham				Project No. 5221420		Co-ords: 535340E - 191303N		Hole Type BH	
Location: Watermead Way, Tottenham, London, N17 0SG				Level: 10.70		Scale 1:50		Logged By JM	
Client: National Grid Property Holdings Limited				Dates: 11/09/2024					
Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.38	10.32		CONCRETE.	
		0.50	PID	PID=0.0				Dark brown gravelly SAND. Gravel is fine to coarse subangular to subrounded concrete, brick, clinker and glass (MADE GROUND).	
		1.00	PID	PID=101.0					
		1.50	PID	PID=40.0					
		2.00	PID	PID=65.3	2.00	8.70		Yellowish sandy CLAY with brick and glass (MADE GROUND).	
		2.50	PID	PID=1000.0	2.50	8.20		Greyish sandy CLAY with tiles and bricks (MADE GROUND).	
		3.00	PID	PID=5000.0					
		3.50	PID	PID=5000.0	3.50	7.20		Greyish sandy CLAY with tiles and bricks and an oil sheen (MADE GROUND).	
		4.00 - 4.20	ES						
		4.00	PID	PID=5000.0					
		4.50	PID	PID=5000.0					
		5.00 - 5.20	ES						
		5.00	PID	PID=5000.0					
		5.50	PID	PID=5000.0	5.50	5.20		Soft to firm dark brown sandy CLAY. (ALLUVIUM).	
		6.00	PID	PID=136.0	6.00	4.70		NO RECOVERY	
6.30 - 6.50	ES								
6.50	PID	PID=150.0	6.50	4.20		Firm to very stiff greyish brown CLAY. (LONDON CLAY).			
7.00	PID	PID=23.0							
			7.20	3.50		End of Borehole at 7.20m			
Remarks									
Location concrete cored from surface to a depth of 0.2 m bgl using a 300 mm coring barrel. Follow on dynamic percussive/ rotary borehole to a final depth of 7.20 m bgl using a tracked Comacchio 205 drill rig or similar. 50 mm HDPE standpipe installed with response zone between 5.30 m and 7.00 m bgl. Location reinstated with concreted bolted traffic rated flush monitoring cover.									