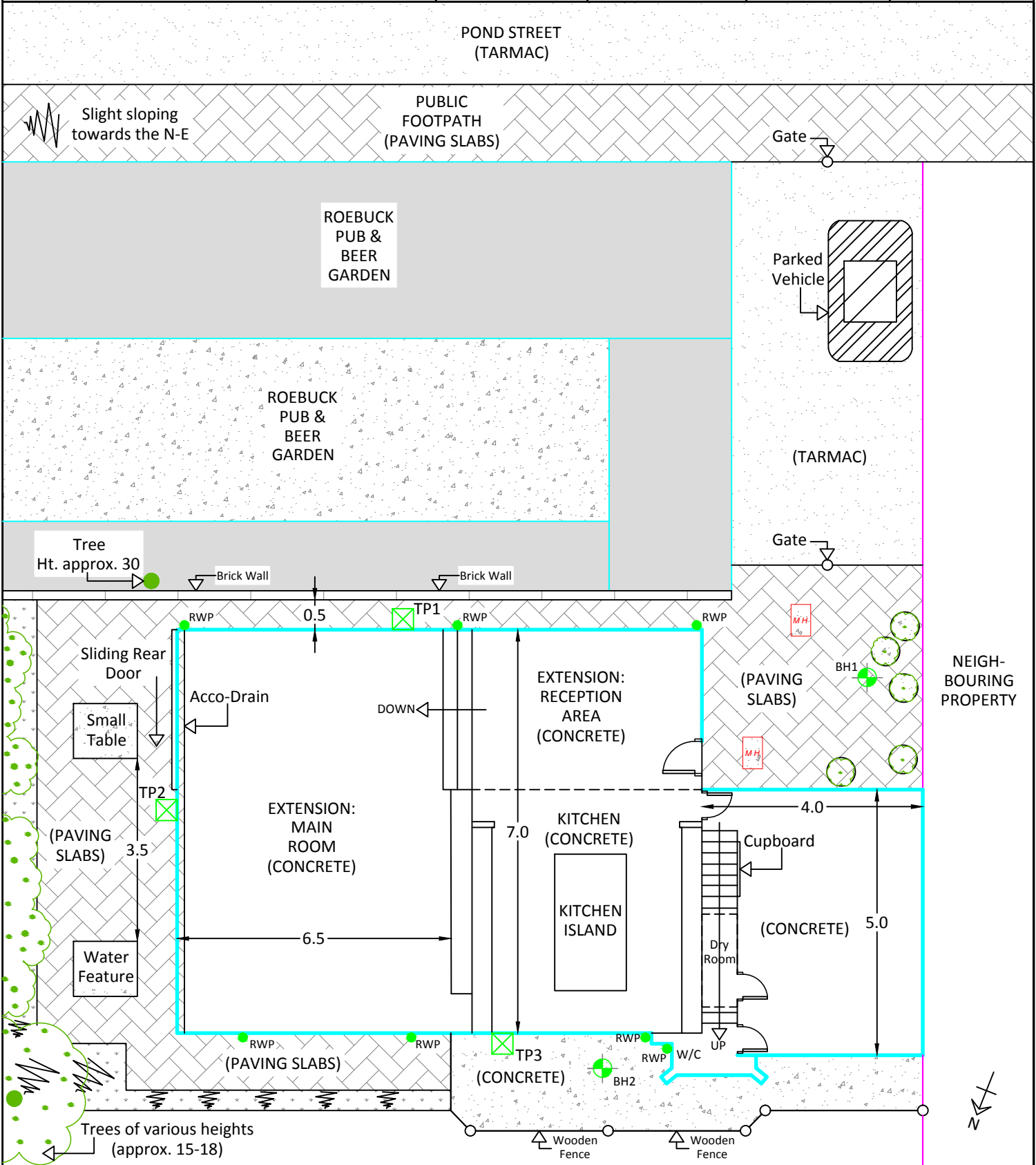


# Gas Monitoring Report



<b>Site</b>	13a Pond Street London NW3 2PN
<b>Client</b>	Spencer Baylin
<b>Date</b>	10.01.17
<b>Our Ref</b>	FACT/8222

<b>Client:</b> Spencer Baylin	<b>Scale:</b> N.T.S	<b>Sheet:</b> 1 of 1	<b>Date:</b> 09.01.16	
<b>Location:</b> 13a Pond Street, London NW3	<b>Job No:</b> 8222	<b>Weather:</b> Dry	<b>Drawn by:</b> JS	<b>Checked by:</b> MD



**Notes:** All dimensions in metres.

**Key:**

- Tree/shrub
- Borehole
- Tree stump
- Manhole
- Trial Pit



<b>Site:</b> 13a Pond Street, London NW3 2PN		<b>Client:</b> Spencer Baylin			<b>Borehole ID:</b> <b>BH1</b>
<b>Contract Number:</b> 8222	<b>Date:</b> 10/01/2017	<b>Logged By:</b> JH	<b>Checked By:</b> JH	<b>Status:</b> PRELIM	Sheet 1 of 1
<b>Easting:</b>	<b>Northing:</b>	<b>Ground Level:</b> 10.10mOD	<b>Plant Used:</b> Cut-down Cable Percussive Rig	<b>Weather:</b> Dry	<b>Scale:</b> 1:60

**Borehole Log**

Samples & In Situ Testing			Strata Details				Groundwater	
Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description	Water Strike	Backfill/Installation
0.10				0.10		CONCRETE		
0.50	B1			(1.00)		MADE GROUND: Dark brown slightly gravelly sandy silty clay with numerous brick and concrete fragments. Sand is fine to coarse. Gravel is sub-angular and sub-rounded of fine to medium flint.		
1.00	D2			1.10		MADE GROUND: Brown slightly sandy slightly gravelly silty clay with occasional brick fragments. Sand is fine to coarse. Gravel is sub-angular to rounded of fine to medium flint.	1	
1.50 - 2.00	B3	SPT() 1.50m, N=7 (1,1/1,2,2,2)		(0.90)				
2.00	D4			2.00		Firm yellowish brown grey veined silty CLAY with occasional partings of fine orange sand.	2	
2.50 - 2.95	U1							
3.00	D6						3	
3.50 - 3.95	D7	SPT() 3.50m, N=11 (1,1/2,2,3,4)						
4.00	D8			(4.00)			4	
4.50 - 4.95	U2							
5.00	D10						5	
6.00	D11	SPT() 6.00m, N=14 (1,2/3,3,4,4)		6.00		Stiff to Firm brown silty CLAY with occasional disseminated selenite crystals and rare partings of fine orange sand.	6	
6.00 - 6.45	SPTLS 1							
7.00	D12						7	
7.50 - 7.95	U3							
8.00	D13			(4.00)			8	
9.00	D14	SPT() 9.00m, N=14 (2,2/3,3,4,4)						
9.00 - 9.45	SPTLS 2							
10.00	D15			10.00			9	
						End of Borehole at 10.10m	10	
							11	
							12	

**Remarks:**  
Borehole 'dry' and open on completion.  
50mmØ standpipe installed to 5.0m (Backfill from 10m to 5m, 4.0m shingle surround and 1.0m bentonite seal. Round metal covers, bung and valves provided)

**Root Information:**

No roots observed.

Water Strikes					
Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
			0		



<b>Site:</b> 13a Pond Street, London NW3 2PN		<b>Client:</b> Spencer Baylin			<b>Borehole ID:</b> <b>BH2</b>
<b>Contract Number:</b> 8222	<b>Date:</b> 11/01/2017	<b>Logged By:</b> JH	<b>Checked By:</b> JH	<b>Status:</b> PRELIM	Sheet 1 of 1
<b>Easting:</b>	<b>Northing:</b>	<b>Ground Level:</b> 10.10mOD	<b>Plant Used:</b> Cable Percussive Rig	<b>Weather:</b>	<b>Scale:</b> 1:60

### Borehole Log

Samples & In Situ Testing			Strata Details				Groundwater	
Depth	Sample ID	Test Result	Level (mAOD)	Depth (m) (Thickness)	Legend	Strata Description	Water Strike	Backfill/Installation
				0.05		CONCRETE PAVING		
				0.20		SAND AND TARMAC		
0.50	B1					MADE GROUND: Brown slightly sandy gravelly silty clay with numerous brick, concrete and clinker-like fragments. Sand is fine to coarse. Gravel is sub-angular to rounded of fine to medium flint.	1	
1.00	D2			(1.00)				
1.50 - 1.95	D3	SPT() 1.50m, N=6 (1,1/1,1,2,2)		1.20		Firm yellowish brown grey veined silty CLAY with occasional partings of fine orange sand.		
2.00	D4						2	
2.50 - 2.95	U5							
3.00	D6						3	
3.50 - 3.95	D7	SPT() 3.50m, N=13 (1,2/2,3,4,4)		(4.80)				
4.00	D8						4	
4.50 - 4.95	U9							
5.00	D10						5	
6.00	D11	SPT() 6.00m, N=15 (1,2/3,3,4,5)		6.00		Stiff brown silty CLAY with occasional disseminated selenite crystals and rare partings of fine orange sand.	6	
6.00 - 6.45	SPTLS 1							
7.00	D12						7	
7.50 - 7.95	U1							
8.00	D13			(4.00)			8	
9.00	D14	SPT() 9.00m, N=17 (2,2/3,4,5,5)					9	
9.00 - 9.45	SPTLS 2							
				10.00		End of Borehole at 10.10m	10	
							11	
							12	

**Remarks:**  
Borehole 'dry' and open on completion.  
50mmØ standpipe installed to 5.0m (Backfill from 10m to 5m, 4.0m shingle surround and 1.0m bentonite seal. Round metal covers, bung and valves provided)

**Root Information:**  
No roots observed.

Water Strikes					
Strike (m)	Casing (m)	Sealed (m)	Time (mins)	Rose to (m)	Remarks
			0		



## Groundwater/Ground Gas Monitoring Record Sheet

Site Ref: 8222

Site Name: 13A Pond Street, London, NW3 2PN

Well	Date	Methane Peak	Methane Steady	Methane GSV	Carbon Dioxide Peak	Carbon Dioxide Steady	Carbon Dioxide GSV	Oxygen	Atmos.	Flow	Response Zone	Depth to Water	CO	H2S	VOC
		%v/v	%v/v	l/hr	%v/v	%v/v	l/hr	%v/v	mbar	l/hr	m bgl	m bgl	ppm	ppm	ppm
BH1	18.01.17	0.1	0.1	0.0001	0.1	0.1	0.0001	22.7	1029	0.1	1.00-5.00	5.06	0	0	0.0
	27.01.17	0.1	0.1	-0.0001	0.3	0.3	-0.0003	21.4	1001	-0.1		4.90	0	0	0.0
	13.08.17	0.2	0.2	-0.0004	2.1	0.9	-0.0042	19.5	1000	-0.2		1.47	0	0	ND
	12.09.17	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.60	ND	ND	ND
	13.10.17	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.73	ND	ND	ND
	17.11.17	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.83	ND	ND	ND
BH2	18.01.17	0.1	0.1	0.0049	0.2	0.2	0.0098	22.7	1029	4.9	1.00-5.00	0.97	0	0	0.1
	27.01.17	0.1	0.1	-0.0002	0.3	0.3	-0.0006	21.7	1001	-0.2		1.59	0	0	0.0
	13.08.17	0.2	0.2	-0.0002	2.4	2.4	-0.0022	17.7	1000	-0.1		1.69	0	0	ND
	12.09.17	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.85	ND	ND	ND
	13.10.17	ND	ND	ND	ND	ND	ND	ND	ND	ND		2.14	ND	ND	ND
	17.11.17	ND	ND	ND	ND	ND	ND	ND	ND	ND		1.68	ND	ND	ND

Notes

NR = Not recorded

Values in Red exceed CIRIA 665 criteria (CO<sub>2</sub> >5.0% and CH<sub>4</sub> >1.0%)



## **REPORT NOTES**

### **Equipment Used**

Hand tools, Mechanical Concrete Breaker and Spade, Hand Augers, 100mm/150mm diameter Mechanical Flight Auger Rig, GEO205 Flight Auger Rig, Window Sampling Rig, and Large or Limited Access Shell & Auger Rig upon request and/or access permitting.

### **On Site Tests**

By Pilcon Shear-Vane Tester (kN/m) in clay soils, and/or Mackintosh Probe in granular soils or made ground and/or upon request Continuous Dynamic Probe Testing and Standard Penetration Testing.

### **Note:**

Details reported in trial-pits and boreholes relate to positions investigated only as instructed by the client or engineer on the date shown.

We are therefore unable to accept any responsibility for changes in soil conditions not investigated i.e. variations due to climate, season, vegetation and varying ground water levels.

Full terms and conditions are available upon request.