SPT Calibration Report

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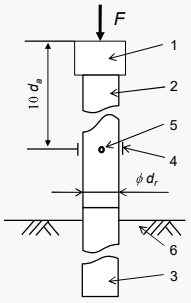
Hammer Energy Measurement Report

Type of Hammer		SPT HAMMER
Client		DAVE ROSENWOLD
Test No		EQU2126
Test Depth (m)		8.70
Mass of hammer	m =	63.5kg
Falling height	h =	0.76m
E_{theor} =	$m \times g \times h$ =	473J

Characteristics of the instrumented rod

Diameter	d_r =	0.052 m
Length of instrumented rod		0.558 m
Area	A =	11.61 cm²
Modulus	E_a =	206843 MPa



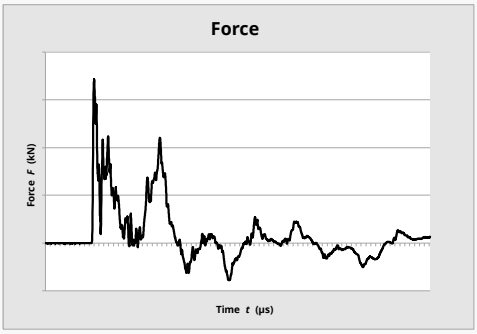
Key

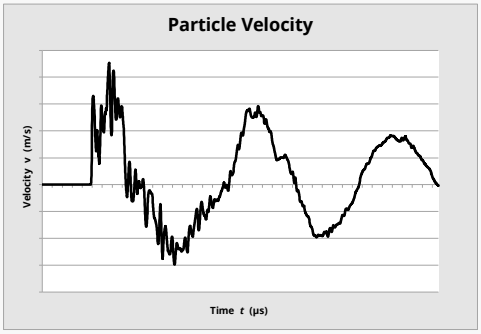
1 Anvil
2 Part of instrumented rod
3 Drive Rod
4 Strain Gauge
5 Accelerometer
6 Ground

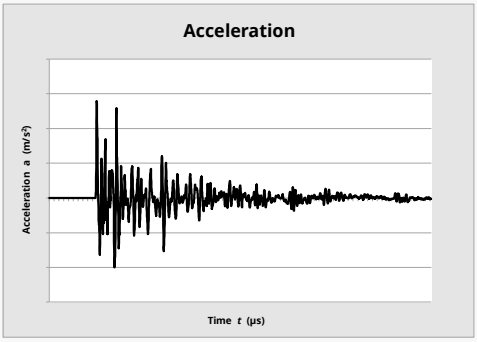
F Force
d_r Diameter of rod

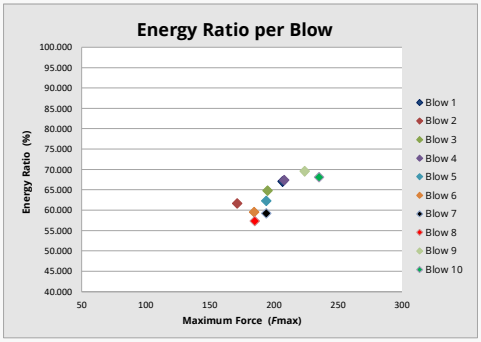
Fig. B.1 and B.2
BS EN ISO 22476-3 : 2005 + A1 : 2011

DATE OF TEST	VALID UNTIL	HAMMER ID
03/08/2018	03/08/2019	DR02









Observations:
1.

E_{meas} =	**0.300** kN-m	
E_{theor} =	**0.473** kN-m	

Energy Ratio = $\frac{E_{meas}}{E_{theor}}$ (E_r) **63.47%**

Equipe SPT Analyzer Operators: AF

Prepared by:	**Checked by:**	**Date:**
		13/08/2018

 Equipe Group, The Paddocks, Home Farm Offices, The Upton Estate, Banbury, Oxfordshire, OX15 6HU
Tel: +44 (0)1295 670990 Fax: +44 (0)1295 678232 Email: info@equipegroup.com

STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N_{60}	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BH01	1.50	150		dry	4,3	150	4,9,4,6		N=23	GEH3-2019	02/02/2018	47	18	SPT(c)
	2.50	150	2.50	dry	3,8	150	6,5,5,5		N=21	GEH3-2019	02/02/2018	47	16	SPT(c)
	3.50	150	3.50	dry	2,2	150	2,3,3,4		N=12	GEH3-2019	02/02/2018	47	9	SPT(c)
	9.50	150	6.80	dry	1,3	150	4,4,5,6		N=19	GEH3-2019	02/02/2018	47	15	
	12.50	150	6.80	dry	2,4	150	4,5,6,8		N=23	GEH3-2019	02/02/2018	47	18	
	15.50	150	6.80	dry	4,5	150	6,7,8,9		N=30	GEH3-2019	02/02/2018	47	24	
	18.50	150	6.80	dry	4,6	150	6,7,9,10		N=32	GEH3-2019	02/02/2018	47	25	
	21.50	150	6.80	dry	5,6	150	7,9,10,12		N=38	GEH3-2019	02/02/2018	47	30	
	24.50	150	6.80	dry	5,7	150	8,10,12,14		N=44	GEH3-2019	02/02/2018	47	34	
	27.50	150	6.80	dry	5,6	150	9,11,14,16		N=50	GEH3-2019	02/02/2018	47	39	
	30.50	150	6.80	dry	6,6	150	9,10,17,14+	285	N=53*	GEH3-2019	02/02/2018	47	42	
	33.50	150	6.80	dry	7,9	150	15,16,19	225	N=67*	GEH3-2019	02/02/2018	47	52	
BH02	1.20			DRY	2,2	150	2,3,2,3		N=10	EQU2136-2018	26/09/2018	87.47	15	No Recovery
	2.00	150	1.50	DRY	2,2	150	3,2,3,3		N=11	EQU2136-2018	26/09/2018	87.47	16	
	9.50	150	1.50	DRY	3,4	150	5,6,6,7		N=24	EQU2136-2018	26/09/2018	87.47	35	
	12.50	150	5.00	DRY	3,5	150	6,8,8,9		N=31	EQU2136-2018	26/09/2018	87.47	45	
	15.50	150	5.00	DRY	3,6	150	7,8,9,10		N=34	EQU2136-2018	26/09/2018	87.47	50	

Notes:
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2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and total test drive blows are reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

N_{60} = (Measured hammer energy ratio / 60) x N value

RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Compiled By	Date	Contract Ref:
CSIBERRY	15.03.19	371654

Contract: **Ugly Brown Building**

STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N_{60}	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BH02	18.50	150	5.00	DRY	5,6	150	8,9,11,12		N=40	EQU2136-2018	26/09/2018	87.47	58	
	21.50	150	5.00	DRY	5,5	150	7,8,10,13		N=38	EQU2136-2018	26/09/2018	87.47	55	
	24.50	150	5.00	DRY	5,7	150	10,11,12,14		N=47	EQU2136-2018	26/09/2018	87.47	69	
	27.80	150	5.00	DRY	9,10	150	11,13,15,11		N=50	EQU2136-2018	26/09/2018	87.47	73	
BH03	6.50	150	3.00	dry	6	150	5,5,5,7		N=22	HD02-2018	14/05/2018	72	26	
	9.50	150	7.50	dry	6	150	5,5,6,6		N=22	HD02-2018	14/05/2018	72	26	
	12.50	150	7.50	dry	9	150	5,7,7,8		N=27	HD02-2018	14/05/2018	72	32	
	15.50	150	7.50	dry	10	150	7,8,8,9		N=32	HD02-2018	14/05/2018	72	38	
	18.50	150	7.50	dry	11	150	7,9,11,12		N=39	HD02-2018	14/05/2018	72	47	
	21.50	150	7.50	dry	12	150	7,9,11,12		N=39	HD02-2018	14/05/2018	72	47	
	24.50	150	7.50	dry	15	150	9,10,10,13		N=42	HD02-2018	14/05/2018	72	50	
	27.50	150	7.50	dry	18	150	12,14,16,17		N=59	HD02-2018	14/05/2018	72	71	
	30.50	150	7.50	dry	14	150	12,15,15,16		N=58	HD02-2018	14/05/2018	72	70	
	33.50	150	7.50	dry	17	150	11,15,18,21		N=65	HD02-2018	14/05/2018	72	78	
	36.50	150	7.50	dry	25	50	50+	100	N=150*	HD02-2018	14/05/2018	72	180	
	39.50	150	7.50	dry	25	50	50	75	N=200*	HD02-2018	14/05/2018	72	240	

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4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

N_{60} = (Measured hammer energy ratio / 60) x N value

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Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N_{60}	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BH04	1.50	200	1.50	dry	2,6	150	4,4,4,3		N=15	GEH3-2019	02/02/2018	47	12	SPT(c)
	2.50	200	2.50	dry	50	45		0	NP	GEH3-2019	02/02/2018	47		SPT(c)
	10.50	150	6.60	dry	2,3	150	4,5,5,7		N=21	GEH3-2019	02/02/2018	47	16	
	13.50	150	6.60	dry	4,5	150	6,7,7,9		N=29	GEH3-2019	02/02/2018	47	23	
	16.50	150	6.60	dry	4,6	150	7,7,9,10		N=33	GEH3-2019	02/02/2018	47	26	
	19.50	150	6.60	dry	5,6	150	6,8,9,11		N=34	GEH3-2019	02/02/2018	47	27	
	22.50	150	6.60	dry	6,7	150	9,10,11,14		N=44	GEH3-2019	02/02/2018	47	34	
BH05	1.30	150		dry	2,2	150	2,2,3,3		N=10	EQU2136-2018	26/09/2018	87.47	15	
	8.50	150	1.50	dry	2,4	150	5,9,5,5		N=24	EQU2136-2018	26/09/2018	87.47	35	
	11.50	150	7.75	dry	3,3	150	4,5,6,6		N=21	EQU2136-2018	26/09/2018	87.47	31	
	14.50	150	7.75	dry	3,5	150	6,7,8,10		N=31	EQU2136-2018	26/09/2018	87.47	45	
	17.50	150	7.75	dry	3,6	150	8,9,10,12		N=39	EQU2136-2018	26/09/2018	87.47	57	
	20.50	150	7.75	dry	4,6	150	8,10,12,13		N=43	EQU2136-2018	26/09/2018	87.47	63	
	23.50	150	7.75	dry	4,6	150	9,10,10,13		N=42	EQU2136-2018	26/09/2018	87.47	61	
	26.50	150	7.75	dry	5,9	150	11,12,14,14		N=51	EQU2136-2018	26/09/2018	87.47	74	
	29.50	150	7.75	dry	5,8	150	10,12,15,13+	285	N=53*	EQU2136-2018	26/09/2018	87.47	77	
BH05	32.50	150	7.75	dry	7,10	150	11,13,17,9+	255	N=59*	EQU2136-2018	26/09/2018	87.47	86	

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					Blows	Pen (mm)	Blows	R (mm)	Result					
BH06	1.50	150	1.50	dry	1,0	150	1,0,1,0		N=2	EQU2136-2018	26/09/2018	87.47	3	SPT(c)
	2.50	150	1.50	dry	1,0	150	0,0,0,0		N=0	EQU2136-2018	26/09/2018	87.47	0	SPT(c)
	9.00	150	7.50	dry	3,3	150	5,5,5,6		N=21	EQU2136-2018	26/09/2018	87.47	31	
	12.00	150	7.50	dry	3,5	150	6,7,8,8		N=29	EQU2136-2018	26/09/2018	87.47	42	
	15.00	150	7.50	dry	5,6	150	7,8,10,10		N=35	EQU2136-2018	26/09/2018	87.47	51	
	18.00	150	7.50	dry	5,7	150	8,9,11,12		N=40	EQU2136-2018	26/09/2018	87.47	58	
	21.00	150	7.50	dry	4,5	150	7,8,10,10		N=35	EQU2136-2018	26/09/2018	87.47	51	
	24.00	150	7.50	dry	5,7	150	9,11,12,13		N=45	EQU2136-2018	26/09/2018	87.47	66	
	27.00	150	7.50	dry	6,8	150	9,11,15,15+	290	N=52*	EQU2136-2018	26/09/2018	87.47	76	
	29.00	150	7.50	dry	7,10	150	11,14,16,9+	260	N=58*	EQU2136-2018	26/09/2018	87.47	85	
BH07	1.50				1,6	150	4,6,4,4		N=18	GEH3-2019	02/02/2018	47	14	SPT(c)
	2.50				2,6	150	5,5,4,3		N=17	GEH3-2019	02/02/2018	47	13	SPT(c)
	8.00				1,3	150	4,5,5,7		N=21	GEH3-2019	02/02/2018	47	16	
	11.00				2,4	150	5,6,7,8		N=26	GEH3-2019	02/02/2018	47	20	
	14.00				4,5	150	7,7,8,9		N=31	GEH3-2019	02/02/2018	47	24	
	17.00				4,6	150	7,9,9,10		N=35	GEH3-2019	02/02/2018	47	27	

Notes:
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					Blows	Pen (mm)	Blows	R (mm)	Result					
BH07	20.00				5,6	150	7,9,10,12		N=38	GEH3-2019	02/02/2018	47	30	
	23.00				6,8	150	8,10,11,14		N=43	GEH3-2019	02/02/2018	47	34	
BH10	2.00				50	55		0	NP	GEH3-2019	02/02/2018	47		SPT(c)
	3.00				50	60		0	NP	GEH3-2019	02/02/2018	47		SPT(c)
	4.00				50	65		0	NP	GEH3-2019	02/02/2018	47		SPT(c)
	5.00				4,6	150	6,5,6,4		N=21	GEH3-2019	02/02/2018	47	16	
	5.50				1,3	150	4,4,5,6		N=19	GEH3-2019	02/02/2018	47	15	
	7.50				2,3	150	4,5,6,7		N=22	GEH3-2019	02/02/2018	47	17	
	9.50				3,4	150	5,6,6,8		N=25	GEH3-2019	02/02/2018	47	20	
	12.50				4,5	150	6,7,7,8		N=28	GEH3-2019	02/02/2018	47	22	
	15.50				4,6	150	7,7,8,9		N=31	GEH3-2019	02/02/2018	47	24	
	18.50				4,6	150	7,8,9,10		N=34	GEH3-2019	02/02/2018	47	27	
	21.50				5,6	150	8,9,11,12		N=40	GEH3-2019	02/02/2018	47	31	
	24.50				5,7	150	9,10,11,15		N=45	GEH3-2019	02/02/2018	47	35	
BH11	1.30	150		dry	1,1	150	2,1,2,1		N=6	EQU2136-2018	26/09/2018	87.47	9	SPT(c)
	8.00	150	8.00	dry	2,3	150	4,5,7,7		N=23	EQU2136-2018	26/09/2018	87.47	34	

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Contract: Ugly Brown Building			Page: 5 of 10

STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N_{60}	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BH11	11.00	150	8.00	dry	3,3	150	4,6,7,8		N=25	EQU2136-2018	26/09/2018	87.47	36	
	14.00	150	8.00	dry	4,5	150	7,8,10,10		N=35	EQU2136-2018	26/09/2018	87.47	51	
	17.00	150	8.00	dry	3,6	150	7,9,10,11		N=37	EQU2136-2018	26/09/2018	87.47	54	
	20.00	150	8.00	dry	5,7	150	8,10,10,13		N=41	EQU2136-2018	26/09/2018	87.47	60	
	23.00	150	8.00	dry	5,6	150	8,11,12,14		N=45	EQU2136-2018	26/09/2018	87.47	66	
	26.00	150	8.00	damp	7,8	150	10,12,14,14		N=50	EQU2136-2018	26/09/2018	87.47	73	
	29.00	125	27.00	dry	9,10	150	13,15,19	225	N=63*	EQU2136-2018	26/09/2018	87.47	92	
	32.00	125	27.00	dry	9,12	150	14,17,19+	210	N=71*	EQU2136-2018	26/09/2018	87.47	104	
	35.50	125	27.00	dry	8,12	150	15,18,17+	200	N=75*	EQU2136-2018	26/09/2018	87.47	109	
	37.50	125	27.00	dry	10,13	150	16,20,14+	180	N=83*	EQU2136-2018	26/09/2018	87.47	121	
	39.50	125	27.00	dry	13,12	105	25+,25+	100	N=150*	EQU2136-2018	26/09/2018	87.47	219	
BH12A	1.20			dry	2	150	1,0,1,2		N=4	HD02-2018	14/05/2018	72	5	SPT(c)
	2.00	150	1.50	dry	5	150	3,4,4,4		N=15	HD02-2018	14/05/2018	72	18	SPT(c)
	3.00	150	2.00	dry	4	150	2,1,1,2		N=6	HD02-2018	14/05/2018	72	7	SPT(c)
	11.00	150	3.00	dry	10	150	6,7,7,9		N=29	HD02-2018	14/05/2018	72	35	
	14.00	150	3.00	dry	12	150	7,9,10,10		N=36	HD02-2018	14/05/2018	72	43	
	17.00	150	3.00	dry	15	150	10,10,11,13		N=44	HD02-2018	14/05/2018	72	53	

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					Blows	Pen (mm)	Blows	R (mm)	Result					
BH12A	20.00	150	3.00	dry	14	150	11,11,12,14		N=48	HD02-2018	14/05/2018	72	58	
	23.00	150	3.00	dry	17	150	11,12,13,16		N=52	HD02-2018	14/05/2018	72	62	
	26.00	150	3.00	dry	19	150	12,14,14,17		N=57	HD02-2018	14/05/2018	72	68	
	29.00	150	3.00	dry	22	150	15,15,17,21		N=68	HD02-2018	14/05/2018	72	82	
BH13	1.20			dry	2,2	150	3,2,1,1		N=7	EQU2136-2018	26/09/2018	87.47	10	SPT(c)
	2.00	150	1.50	dry	2,1	150	2,1,2,1		N=6	EQU2136-2018	26/09/2018	87.47	9	SPT(c)
	5.00	200	5.00	4.00	3,3	150	2,2,3,3		N=10	EQU2136-2018	26/09/2018	87.47	15	SPT(c)
	7.00	150	5.00	dry	2,3	150	4,4,5,5		N=18	EQU2136-2018	26/09/2018	87.47	26	
	10.00	150	8.00	dry	4,4	150	5,7,8,8		N=28	EQU2136-2018	26/09/2018	87.47	41	
	13.00	150	8.00	dry	3,4	150	6,7,9,9		N=31	EQU2136-2018	26/09/2018	87.47	45	
	16.00	150	8.00	dry	5,5	150	7,8,9,11		N=35	EQU2136-2018	26/09/2018	87.47	51	
	19.00	150	8.00	dry	5,7	150	8,9,10,12		N=39	EQU2136-2018	26/09/2018	87.47	57	
	22.00	125	21.00	dry	6,7	150	9,10,12,13		N=44	EQU2136-2018	26/09/2018	87.47	64	
	25.00	125	21.00	dry	5,7	150	9,10,11,14		N=44	EQU2136-2018	26/09/2018	87.47	64	
	28.00	125	21.00	dry	6,9	150	10,12,15,13+	285	N=53*	EQU2136-2018	26/09/2018	87.47	77	
	31.00	125	21.00	dry	7,10	150	11,15,22	225	N=64*	EQU2136-2018	26/09/2018	87.47	93	
	32.50	125	21.00	dry	10,13	150	17,20,13+	195	N=77*	EQU2136-2018	26/09/2018	87.47	112	

Notes:
1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and total test drive blows are reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

N_{60} = (Measured hammer energy ratio / 60) x N value

RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Compiled By	Date	Contract Ref:
CSIBERRY	15.03.19	371654

Contract: **Ugly Brown Building**

STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N_{60}	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
BH13	34.50	125	21.00	dry	9,14	150	18,23,9+	180	N=83*	EQU2136-2018	26/09/2018	87.47	121	
BH15	1.50				1,3	150	4,4,4,4		N=16	GEH3-2019	02/02/2018	47	13	SPT(c)
	2.50				2,1	150	1,1,1,2		N=5	GEH3-2019	02/02/2018	47	4	SPT(c)
	3.50				50	50		0	NP	GEH3-2019	02/02/2018	47		SPT(c)
	4.50				50	75		0	NP	GEH3-2019	02/02/2018	47		SPT(c)
	5.00				5,6	150	3,4,5,5		N=17	GEH3-2019	02/02/2018	47	13	SPT(c)
	7.00				2,4	150	4,5,6,6		N=21	GEH3-2019	02/02/2018	47	16	
	9.00				2,4	150	5,6,7,18		N=36	GEH3-2019	02/02/2018	47	28	
	12.00				3,4	150	5,6,8,8		N=27	GEH3-2019	02/02/2018	47	21	
	15.00				50	70		0	NP	GEH3-2019	02/02/2018	47		
	18.00				4,6	150	7,8,8,11		N=34	GEH3-2019	02/02/2018	47	27	
	21.00				5,6	150	8,10,11,13		N=42	GEH3-2019	02/02/2018	47	33	
	24.00				5,6	150	7,10,12,14		N=43	GEH3-2019	02/02/2018	47	34	
	27.00				6,8	150	9,11,12,15		N=47	GEH3-2019	02/02/2018	47	37	
	30.00				7,8	150	10,15,25	225	N=67*	GEH3-2019	02/02/2018	47	52	
WS01	1.20				2,1	150	2,2,1,3		N=8					

Notes:
1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and total test drive blows are reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

N_{60} = (Measured hammer energy ratio / 60) x N value

RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Compiled By	Date	Contract Ref:
CSIBERRY	15.03.19	371654

Contract: **Ugly Brown Building**

STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N_{60}	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
WS01	2.00				2,3	150	5,5,5,6		N=21					
	3.00				4,4	150	4,4,5,6		N=19					
	4.00				4,4	150	4,6,5,4		N=19					
WS02	1.20				1,2	150	2,2,2,3		N=9					
	2.00				2,3	150	4,4,5,6		N=19					
	3.00				3,3	150	4,3,4,6		N=17					
	4.00				3,3	150	4,4,4,5		N=17					
WS03	1.20				2,1	150	1,1,1,2		N=5					
	2.00				4,4	150	4,4,4,6		N=18					
	3.00				3,3	150	3,4,4,5		N=16					
	4.00				3,3	150	4,5,6,7		N=22					
	5.00				3,4	150	3,4,4,6		N=17					
WS04	1.20				1,2	150	1,2,1,5		N=9					SPT(c)
	2.00				5,1	150	2,3,4,12		N=21					
	3.00				1,2	150	3,4,5,17		N=29					

Notes:
1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and total test drive blows are reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
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18 Frogmore Road
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Compiled By	Date	Contract Ref:
CSIBERRY	15.03.19	371654

Contract: **Ugly Brown Building**

STANDARD PENETRATION TEST SUMMARY TABLE

Exploratory Position ID	Depth (m)	Hole Dia (mm)	Casing Depth (m)	Water Depth (m)	Seating Drive		Test Drive			Hammer ID	Calibration Date	Energy Ratio (%)	N_{60}	Comments
					Blows	Pen (mm)	Blows	R (mm)	Result					
WS04	4.00				2,2	150	4,4,7,22		N=37					
	5.00				4,4	150	4,6,9,22		N=41					
WS05	1.20				4,5	150	6,5,5,4		N=20					SPT(c)
	2.00				50	65		0	NP					SPT(c)
WS06	1.20				6,7	150	7,14,27,9+	230	N=74*					SPT(c)
	1.40				25	25	47,3+	77	N=195*					SPT(c)

Notes:
1. Tests carried out in general accordance with BS EN ISO 22476-3:2005, including amendment A1 (2011).
2. Reported blows are for 75mm penetration unless indicated "+".
3. Where full test drive was not achieved, actual penetration (R) and total test drive blows are reported.
4. Tests carried out using a split spoon sampler unless noted as SPT(c) (denotes use of solid cone method) in the comments column.
5. Entries in the water depth column reflects the measured water depth at time of test.

N_{60} = (Measured hammer energy ratio / 60) x N value

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18 Frogmore Road
Hemel Hempstead
Hertfordshire
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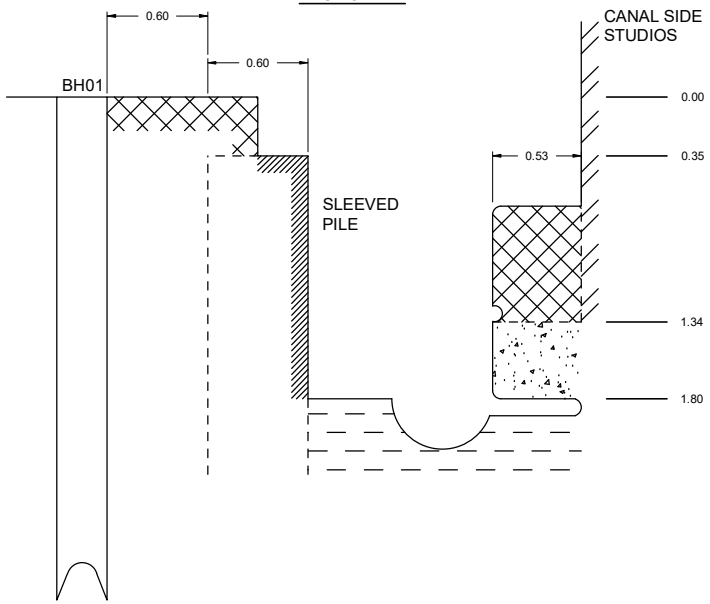
Compiled By	Date	Contract Ref:
CSIBERRY	15.03.19	371654

Contract: **Ugly Brown Building**

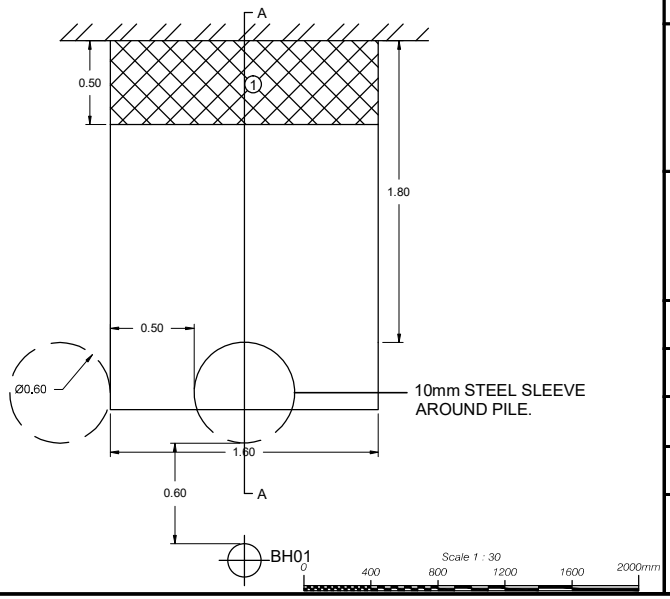
AGS

Section View:
(1:30)

BH01
SECTION A-A



PLAN VIEW
2 - 6 ST PANCRAS



LEGEND

Section Line

GL - 0.45 Made Ground - Dark brown gravelly sandy clay gravel of fine to coarse sandy brick concrete and flint

0.45 - 1.10 Made Ground - Cemented red brown brick and concrete

1.10 - 1.96 Fine orange brown and brown clay

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

RSK

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
THE TRUSTEES OF THE ST. PANCRAS WAY BLOCK A UNIT TRUST & BIG LOBSTER

Project Title
UGLY BROWN BUILDING

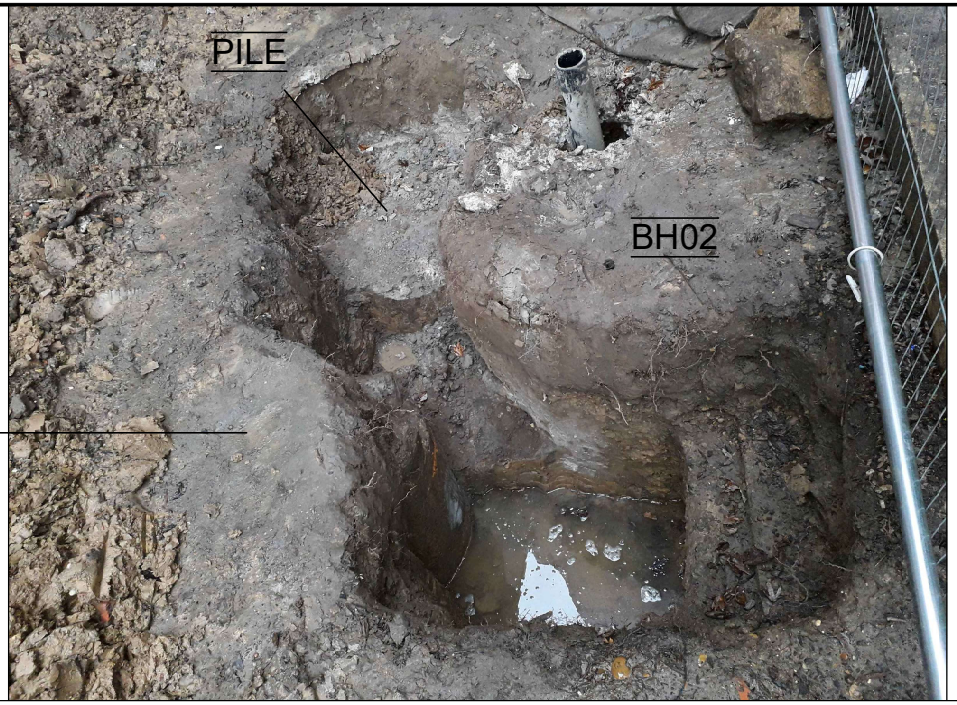
Drawing Title
BOREHOLE DIAGRAM (BH01 A-A)

Drawn	Date	Checked	Date	Approved	Date
RD	11.03.19	ASC	11.03.19	CS	11.03.19

Scale	Orig Size	Dimensions
AS SHOWN	A3	m

Project No.	Drawing File
371654 - R02 (00)	371654 (R02-00) Fig 1.dwg

Drawing No.	Rev.
BH01 SECTION A-A	P1



CANAL SIDE STUDIOS

LEGEND

- Section Line
- Wall
- Concrete Pile
- Made Ground - Dark brown slightly sandy slightly gravelly CLAY. Sand is fine to medium. gravel is fine to coarse sub angular to sub rounded flint and brick.

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

RSK

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

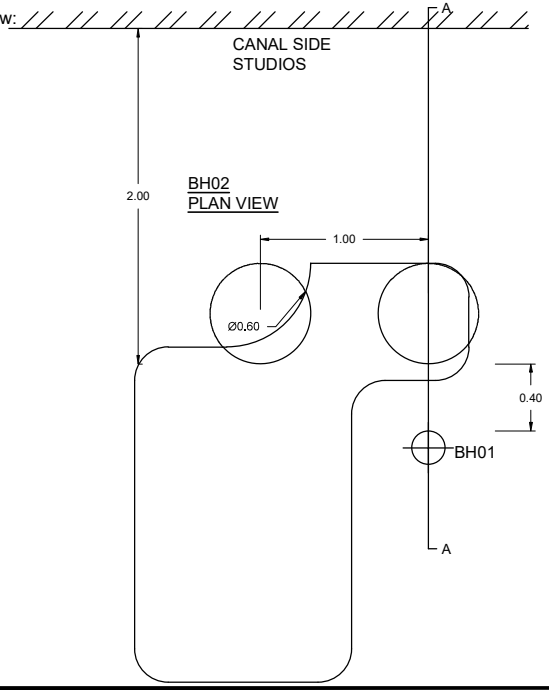
Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

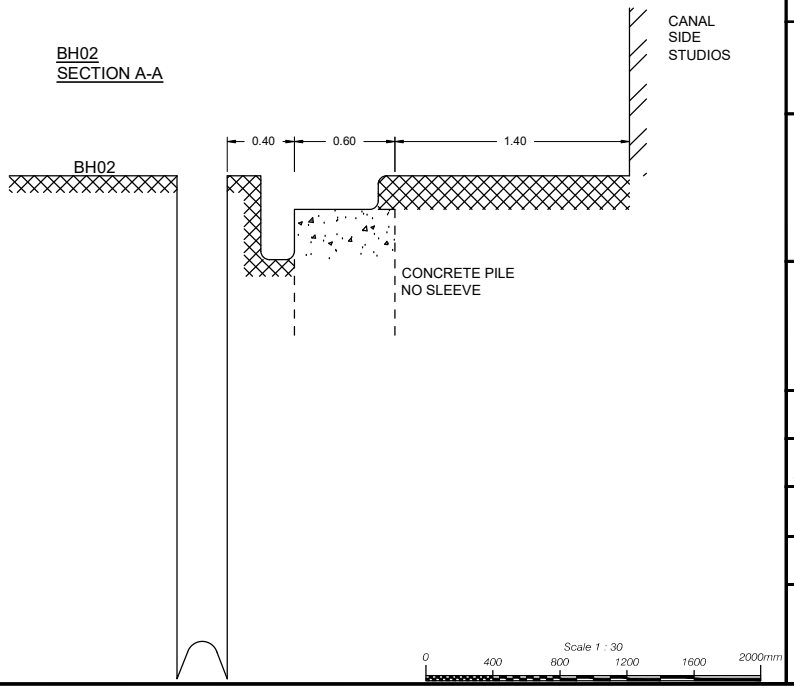
Client
THE TRUSTEES OF THE ST. PANCRAS WAY BLOCK A UNIT TRUST & BIG LOBSTER

Project Title
UGLY BROWN BUILDING

Drawing Title
BOREHOLE DIAGRAM (BH02 A-A)

Section View:
(1:30)





Scale 1 : 30
0 400 800 1200 1600 2000mm

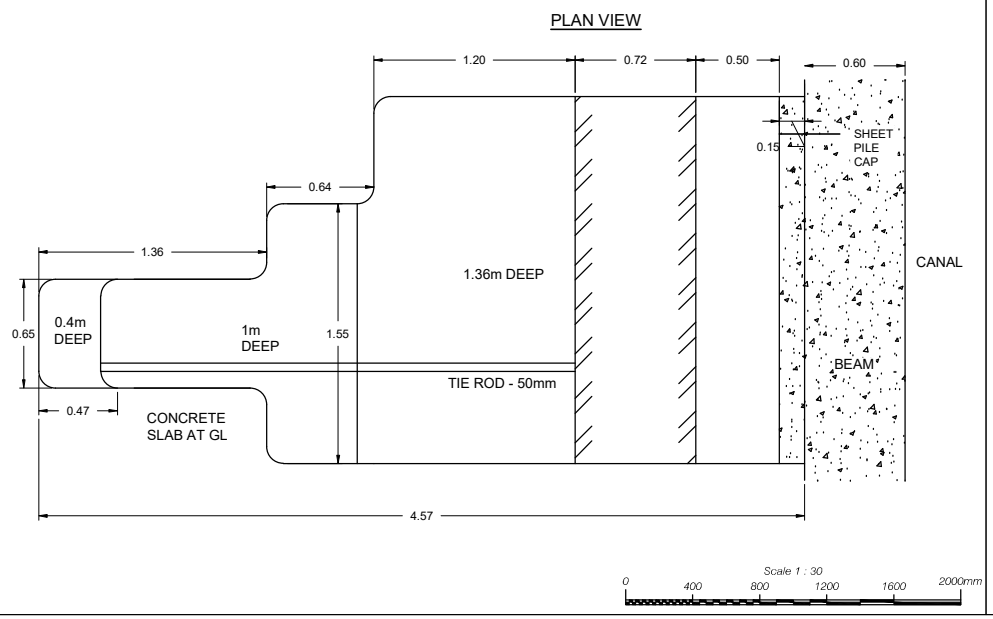
Drawn	Date	Checked	Date	Approved	Date
RD	11.03.19	ASC	11.03.19	CS	11.03.19

Scale	Orig Size	Dimensions
AS SHOWN	A3	m

Project No.	Drawing File
371654 - R02 (00)	371654 (R02-00) Fig 1.dwg

Drawing No.	Rev.
BH02 SECTION A-A	P1

Plan View:
(1:30)



LEGEND

- Section Line
- GL - 0.20: REINFORCED CONCRETE
- Brick
- Re - bar

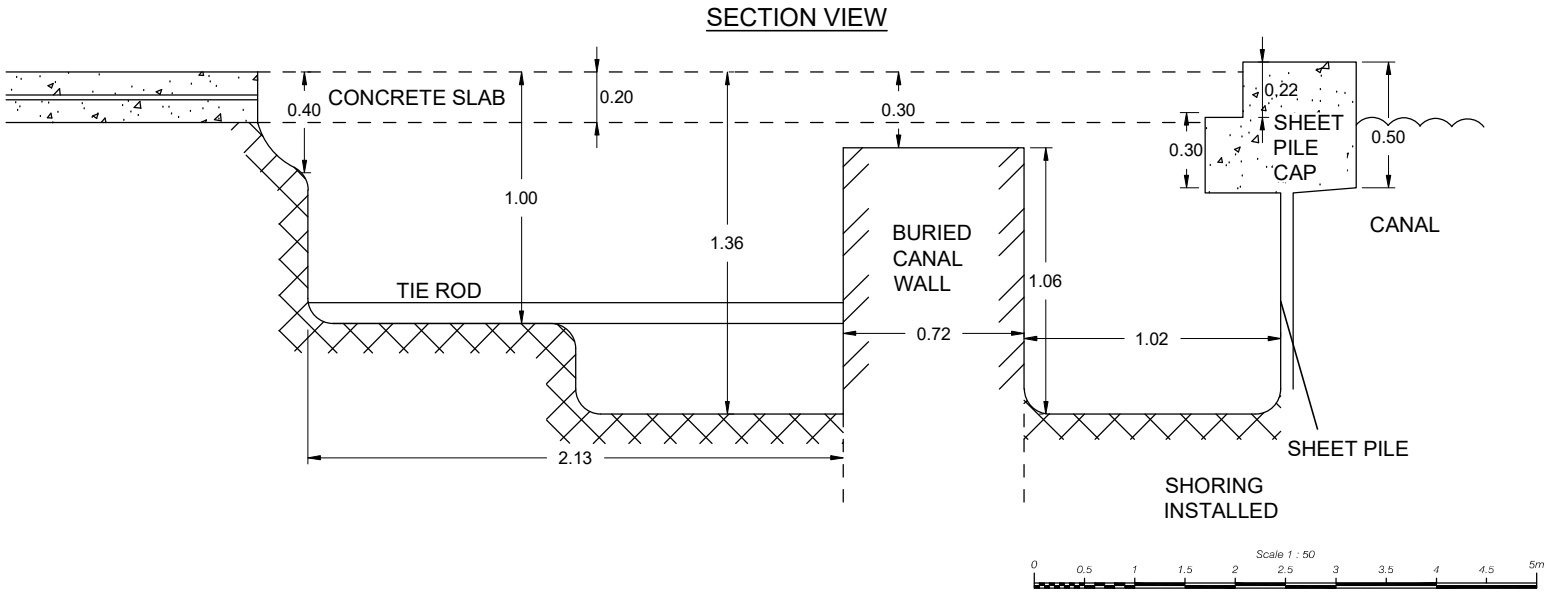
0.20 - 0.37 MADE GROUND: Pale yellow red slightly clayey sandy fine to coarse subangular to sub rounded GRAVEL of flint, brick, concrete and charcoal. Sand is medium to coarse

0.37 - 0.50 MADE GROUND: Black clayey sub rounded to sub angular fine to coarse GRAVEL of brick and concrete with bitumen cement

0.50 - 1.36 MADE GROUND: Locally cemented yellowish red very sandy sub rounded to sub angular fine to coarse GRAVEL of brick, charcoal and flint with occasional cobbles of brick.

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

Section View:
(1:50)



RSK

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
THE TRUSTEES OF THE ST. PANCRAS WAY BLOCK A UNIT TRUST & BIG LOBSTER

Project Title
UGLY BROWN BUILDING

Drawing Title
BOREHOLE DIAGRAM
(BH04 - TP1)

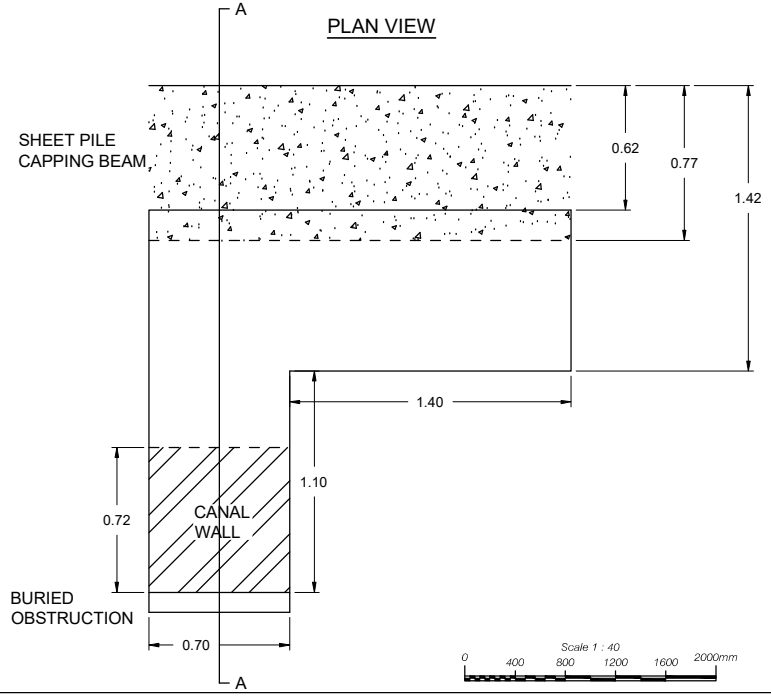
Drawn	Date	Checked	Date	Approved	Date
RD	11.03.19	ASC	11.03.19	CS	11.03.19

Scale	Orig Size	Dimensions
AS SHOWN	A3	m

Project No.	Drawing File
371654 - R02 (00)	371654 (R02-00) Fig 1.dwg

Drawing No.	Rev.
BH04 - TP1	P1

Plan View:
(1:40)



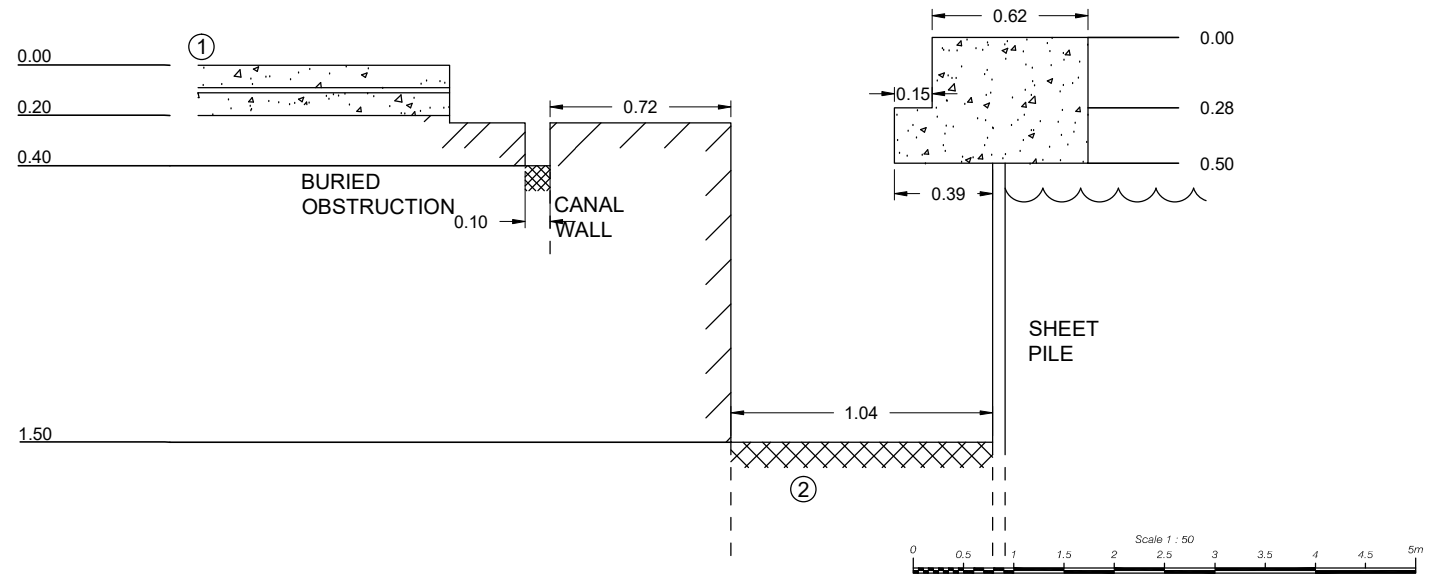
REGENTS CANAL

LEGEND

- Section Line
- Reinforced Concrete
  -6mm rebar at 0.03m
  -12mm rebar at 0.12m
- Made Ground: Brown very sandy fine to coarse subangular brick and concrete GRAVEL with small to large cobbles of concrete and brick, pieces of timber and rare pieces of metal

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

Section View:
(1:50)



RSK

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
THE TRUSTEES OF THE ST. PANCRAS WAY BLOCK A UNIT TRUST & BIG LOBSTER

Project Title
UGLY BROWN BUILDING

Drawing Title
BOREHOLE DIAGRAM (BH07 A-A)

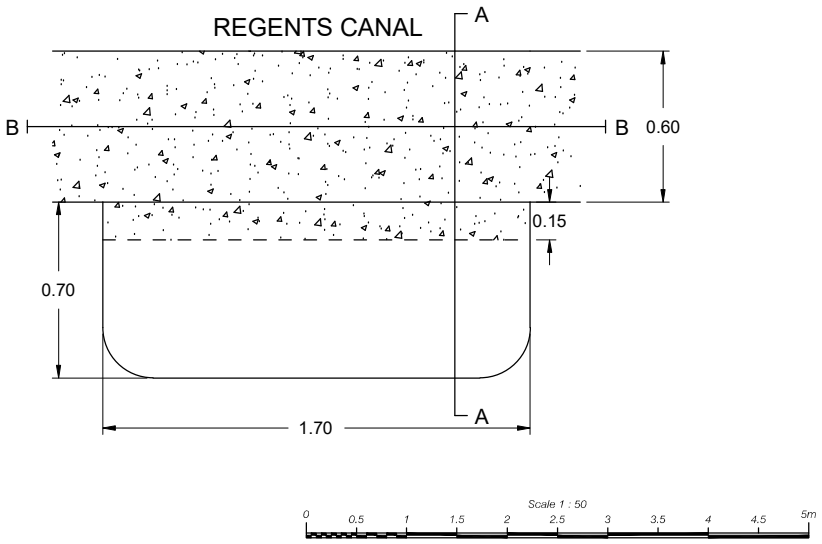
Drawn	Date	Checked	Date	Approved	Date
RD	11.03.19	ASC	11.03.19	CS	11.03.19

Scale	Orig Size	Dimensions
AS SHOWN	A3	m

Project No.	Drawing File
371654 - R02 (00)	371654 (R02-00) Fig 1.dwg

Drawing No.	Rev.
BH07 SECTION A-A	P1

Plan View:
(1:50)



LEGEND

Section Line

GL - 0.20 Reinforced Concrete
- 10mm Rebar at 0.10m

0.20 - 0.50 Weak Concrete

0.50 - 1.60 Made ground - loose whole and fragmented bricks with localized pockets of orange brown sandy gravel of fine to course concrete and brick

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

RSK

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

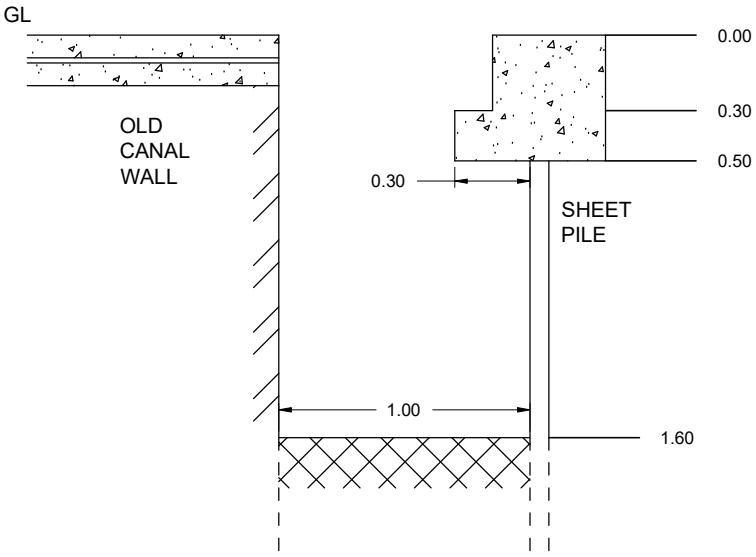
Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
THE TRUSTEES OF THE ST. PANCRAS WAY BLOCK A UNIT TRUST & BIG LOBSTER

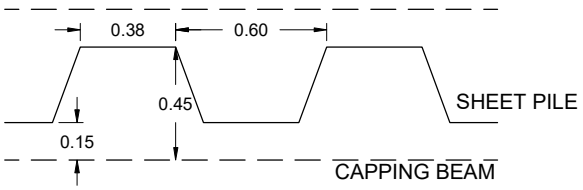
Project Title
UGLY BROWN BUILDING

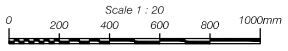
Section View:
(1:20)

BH10
SECTION A-A



BH10
SECTION B-B





Drawing Title
BOREHOLE DIAGRAM (BH10 A-A)

Drawn	Date	Checked	Date	Approved	Date
RD	11.03.19	ASC	11.03.09	CS	11.03.19

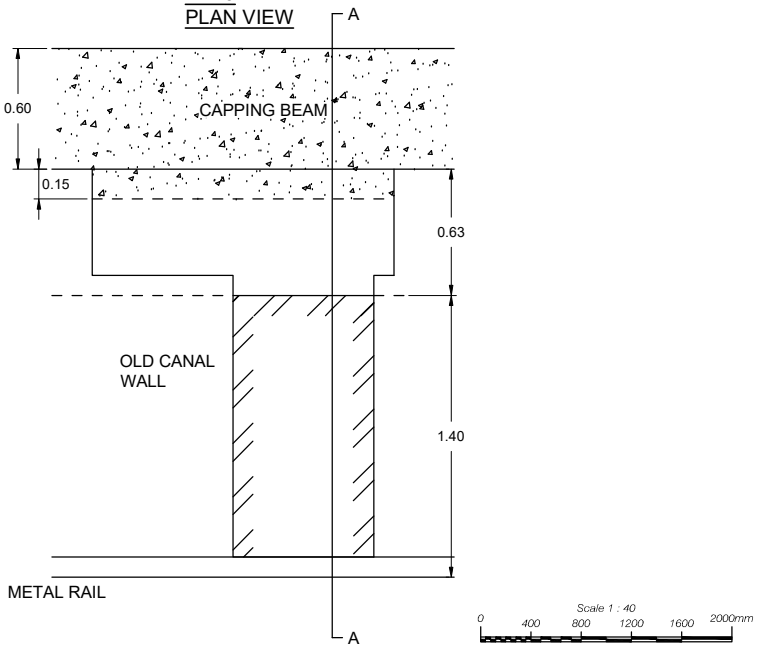
Scale	Orig Size	Dimensions
AS SHOWN	A3	m

Project No.	Drawing File
371654 - R02 (00)	371654 (R02-00) Fig 1.dwg

Drawing No.	Rev.
BH10	P1

Plan View:
(1:40)

BH15
PLAN VIEW



LEGEND

Section Line

GL - 0.20 Reinforced Concrete
- 10mm Rebar at 0.10m

0.20 - 0.50 Weak Concrete

0.50 - 1.60 Made ground - loose whole and fragmented bricks with localized pockets of orange brown sandy gravel of fine to course concrete and brick

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

RSK

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

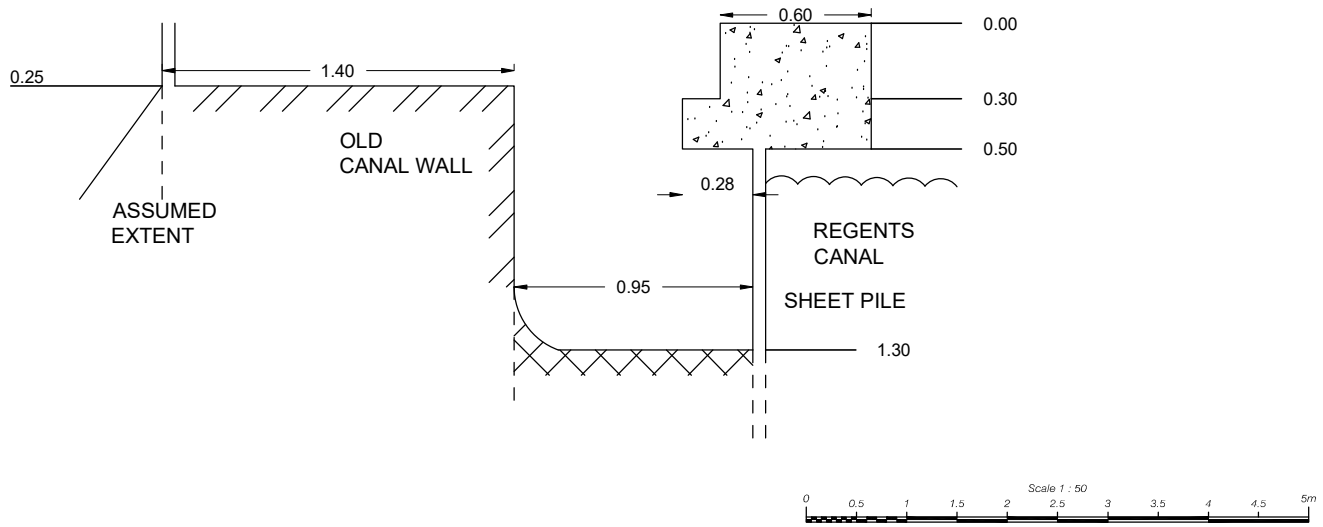
Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
THE TRUSTEES OF THE ST. PANCRAS WAY BLOCK A UNIT TRUST & BIG LOBSTER

Project Title
UGLY BROWN BUILDING

Section View:
(1:50)

BH15
SECTION A-A



Drawing Title
BOREHOLE DIAGRAM (BH15 - TP2)

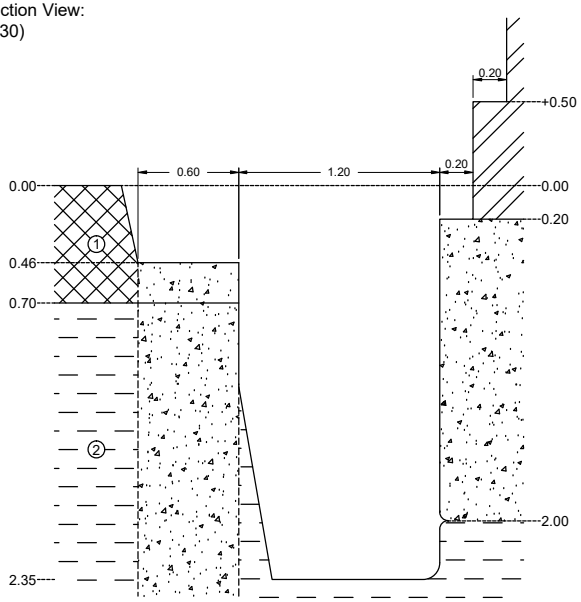
Drawn	Date	Checked	Date	Approved	Date
RD	11.03.19	ASC	11.03.19	CS	11.03.19

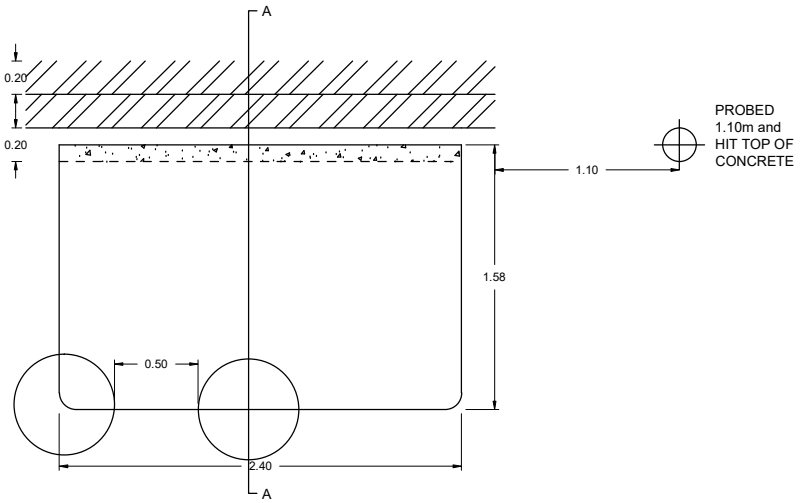
Scale	Orig Size	Dimensions
AS SHOWN	A3	m

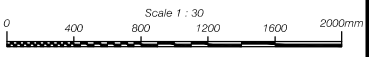
Project No.	Drawing File
371654 - R02 (00)	371654 (R02-00) Fig 1.dwg

Drawing No.	Rev.
BH15 - TP2	P1

Section View:
(1:30)







LEGEND

- Section Line
- Wall
- Concrete Pile
- Made Ground: Orangey brown gravelly sandy CLAY with occasional pieces of plastic. Gravel is fine to coarse brick and concrete.
- Firm orange brown and brown CLAY with pockets of orangey brown silt.

Rev.	Date	Amendment	Drawn	Chkd.	Appd.

RSK

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
United Kingdom

Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
THE TRUSTEES OF THE ST. PANCRAS WAY BLOCK A UNIT TRUST & BIG LOBSTER

Project Title
UGLY BROWN BUILDING

Drawing Title
TRIAL PIT DIAGRAM (TP3)

Drawn	Date	Checked	Date	Approved	Date
ASC	05.03.19	CS	05.03.19	CS	05.03.19

Scale	Orig Size	Dimensions
AS SHOWN	A3	m

Project No.	Drawing File
371654 - R02 (00)	371654 (R02-00) Fig 1.dwg

Drawing No.	Rev.
TRIAL PIT 3	P1

SUMMARY OF CLEGG IMPACT SOIL TESTS

In accordance with manufacturer's guidance

Exploratory Position ID	Test Number	Test Depth (m)	Test Date (dd/mm/yyyy)	Critical Impact Value (IV)	Equivalent CBR (%)	
WS01	1	1.20	29/01/2019	13	17	
WS02	1	1.20	29/01/2019	10	12	
WS03	1	1.20	29/01/2019	12	15	
WS04	1	1.20	30/01/2019	11	13	
WS05	1	1.20	30/01/2019	5	4.8	
WS06	1	1.20	30/01/2019	8	8.5	

RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Compiled By		Date	Contract Ref:
	CSIBERRY	28.03.19	371654
Contract: Ugly Brown Building			Page: 1 of 1