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23-12-11

Development Management,  
Barnsley Council,  
Planning and Transportation Service,  
PO Box 604  
S70 9 FE

**FAO Mr Graham Northern**

LA Ref No PP 01756335

Dear sir,

Please find enclosed 4 off copies of drawings, design calculations and photographs to attach to the planning application that I completed online.  
If there is any other information that is required please contact me direct on the following number or email address.

DDI 01226 768214

[david.crossland@wavin.co.uk](mailto:david.crossland@wavin.co.uk)

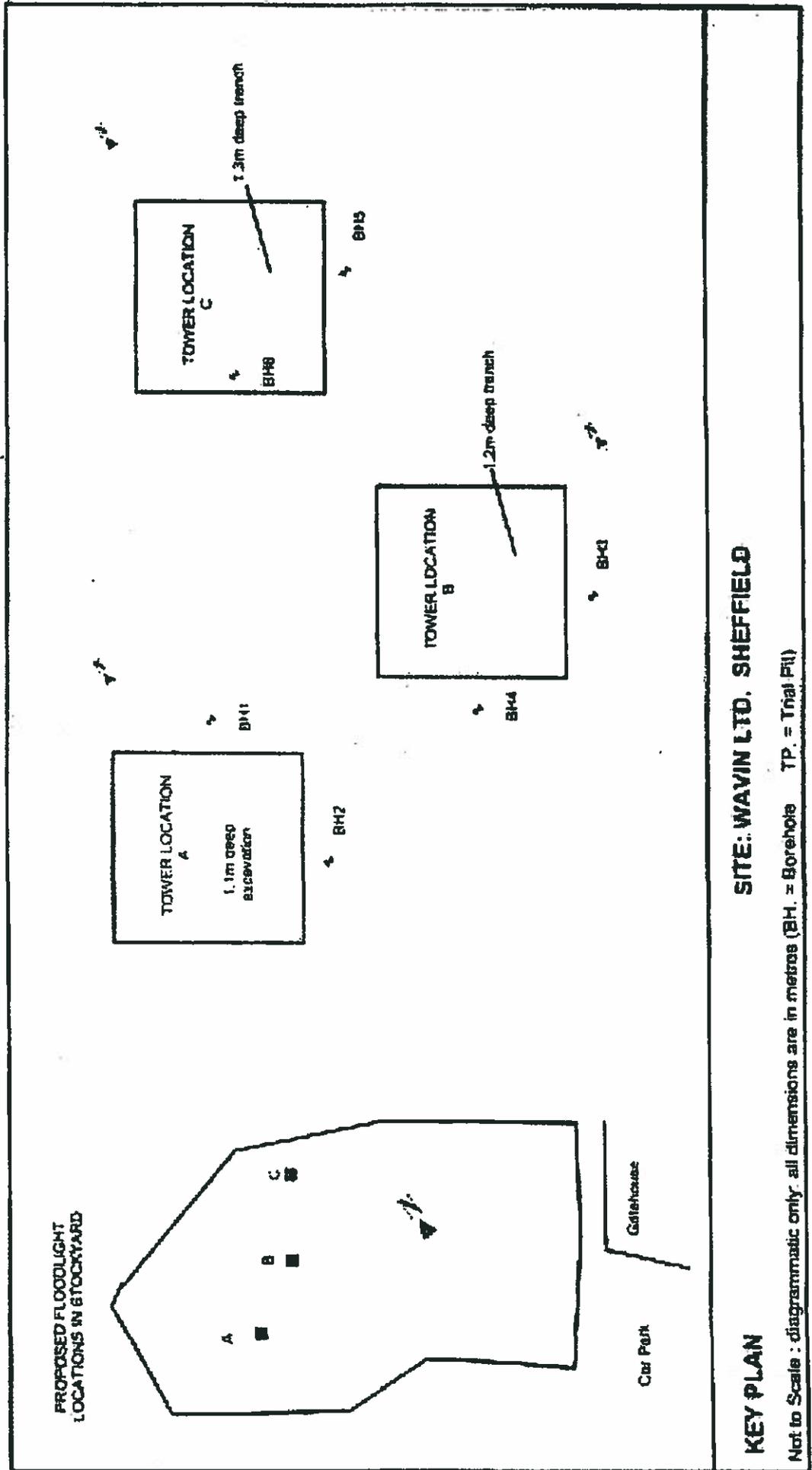
Yours faithfully

  
David Crossland  
Project Engineer

# MINI SOIL SURVEYS

MINI SOIL SURVEYS (NORTHERN) LTD.  
12 Beech Walk, Leigh, Lancs. WN7 3LH

Tel: (01942) 269769  
Fax: (01942) 262132



**SITE: WAVIN LTD. SHEFFIELD**

## KEY PLAN

Not to Scale : diagrammatic only: all dimensions are in metres (BH. = Borehole TP. = Trial Pit)

# MINI • SOIL • SURVEYS

MINI SOIL SURVEYS (NORTHERN) LTD  
12 Beech Walk, Leigh, Lancs, WN7 3LH



tel. 01942 269769  
fax. 01942 262132

Site:- WAVIN LTD. SHEFFIELD

Job No. NTH 929

Date:- 26/9/11 BH No.1 of 8

Description	Depth	Leg	Test Depth	Value
110mm tarmac over very compact becoming compact dark brown/black ash, cinder and angular gravel with brick rubble and occasional shale fragments. MADE GROUND.			0.6 SPT	N = 47
			1.0 OS	
Loose dark brown sandy clayey ash and shale with cinder, fragmented brick and angular gravel. MADE GROUND	1.20		1.2 SPT	N = 12
			1.8 SPT	N = 4
			2.0 OS	
			2.4 SPT	N = 8
Terminated on Engineer's instruction. No tests reqd. below 2.4m.	8.20			

SPT @ 0.5m 13/11/14,12,13,8 @ 1.2m 7/6/4,4,2,2 @ 1.8m 1/1/1,1,1,1 @ 2.4m 1/2/1,2,1,2  
Borehole dry.

Key: SPT (standard penetration test), SV (shear vane), DS (disturbed sample), U38 (38mm undisturbed sample).

# MINI • SOIL • SURVEYS

MINI SOIL SURVEYS (NORTHERN) LTD  
12 Booth Walk, Leigh, Lancs. WN7 3LN



tel. 01942 269769  
fax. 01942 262132

Site:- WAVIN LTD. SHEFFIELD

Job No. NTH 929

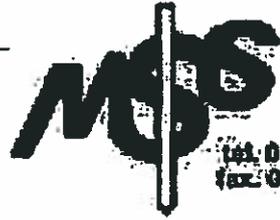
Date:- 26/9/11 BH No.2 of 6

Description	Depth	Log	Test/ Depth	Value
150mm tarmac over compact dark brown/black ash, cinder and brick with angular gravel and some shale. MADE GROUND.				
Medium dense becoming loose dark brown sandy clayey ash and shale with cinder, fragmented brick and angular gravel. MADE GROUND.	0.50		0.5 SPT N = 18	
			1.0 OS	
			1.2 SPT N = 8	
			1.8 SPT N = 4	
Terminated on Engineer's Instruction	2.20			

SPT @ 0.5m 10/8/5.4.4.3 @ 1.2m 2/3/2.3.2.1 @ 1.8m 2/2/1.1.1.1  
Borehole dry.

Key: SPT (standard penetration test) SV (shear vane). DS (disturbed sample). U38 (38mm) undisturbed sample).

# MINI - SOIL - SURVEYS



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Site: - WAVIN LTD. SHEFFIELD

Job No. NTH 929

Date: - 26/9/11 BH No.3 of 6

Description	Depth	Log	Test/Depth	Value
90mm tarmac over brown sand and angular limestone gravel. FILL.				
Medium dense occasionally loose dark brown ash, cinder and fragmented brick with clay drain fragments, fragmented sandstone, some firm clay inclusions and some shale fragments. MADE GROUND.	0.20			
			0.50 SPT	N = 27
			1.0 DS	
			1.2 SPT	N = 11
			1.8 SPT	N = 29
Terminated on Engineer's instruction.	2.20			

SPT @ 0.5m 6/7/7.6,7.7 @ 1.2m 4/4/3.2,1.5 @ 1.8m 7/6/3.4,8.14  
 Borehole dry.

Key: SPT (standard penetration test). SV (shear vane). DS (disturbed sample). U38 (38mm undisturbed sample).

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MINI SOIL SURVEYS (NORTHERN) LTD  
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Site:- WAVIN LTD. SHEFFIELD

Job No. NTH 929

Date:- 26/9/11

BH No.4 of 6

Description	Depth	Log	Test/ Depth	Value
120mm tarmac over brown sand and angular limestone gravel. <u>FILL</u> Compact becoming loose dark brown ash, cinder and fragmented brick with shale fragments, clay drain fragments, some sandstone fragments and some firm clay inclusions. <u>MADE GROUND.</u>	0.20		0.6 SPT	N = 31
			1.0 OS	
			1.2 SPT	N = 12
			1.8 SPT	N = 20
			2.4 SPT	N = 9
Terminated on Engineer's instruction.	2.80			

SPT @ 0.5m 11/10/7,8,9,7 @ 1.2m 4/3/2,3,3,4 @ 1.8m 10/5/6,8,3,3 @ 2.4m 2/3/3,4,1,1  
Borehole dry.

Key: SPT (standard penetration test). SV (shear vane). DS (disturbed sample). U38 (38mm undisturbed sample).

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Site: • WAVIN LTD. SHEFFIELD

Job No NTH 929

Date: - 26/9/11

BH No.5 of 6

Description	Depth	Leg	Test Depth	Value
70mm tarmac over grey sand and angular gravel with cinder and ash. FILL.				
Very compact light brown sand and fragmented sandstone. FILL.	0.20			
Medium dense becoming loose dark grey sandy fragmented shale and mudstone with ash and cinder. MADE GROUND Suspect colliery waste.	0.60		0.6 SPT N = 28	
			1.0 DS	
			1.2 SPT N = 15	
			1.8 SPT N = 11	
			2.4 SPT N = 8	
Terminated on Engineer's instruction.	2.80			

SPT @ 0.5m 15/18/11,6,6,5 @ 1.2m 7/4/4,4,4,3 @ 1.8m 3/4/4,3,2,2 @ 2.4m 2/2/2,2,2,2  
Borehole dry.

Key. SPT (standard penetration test). SV (shear vane). DS (disturbed sample). U38 (38mm undisturbed sample)

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Site: WAVIN LTD. SHEFFIELD

Job No. NTH 929

Date: 26/9/11 BH No.6 of 6

Description	Depth	Log	Test/ Depth	Value
100mm sand, ash and gravel over very compact light brown sand and fragmented sandstone with some brick fragments. MADE GROUND.				
Medium dense becoming loose dark grey fragmented shale and mudstone with some ash and cinder. MADE GROUND Suspect colliery waste.	0.50		0.5 SPT N = 25	
			1.0 DS	
			1.2 SPT N = 14	
			1.8 SPT N = 9	
			2.4 SPT N = 7	
Terminated on Engineer's instruction	2.80			

SPT @ 0.6m 13/14,8,6,7,4 @ 1.2m 4/3/3,4,4,3 @ 1.8m 3/2/3,2,2,2 @ 2.4m 2/3/2,1,2,2  
Borehole dry.

Key: SPT (standard penetration test) SV (shear vane) DS (disturbed sample) U38 (38mm undisturbed sample).