

METCALFE BROS

LIGHT PERCUSSION DRY DRILLING SPECIALISTS

BOREHOLE RECORD

Unit 22
Dockray Ind. Est.
Burneside Road
Kendal
Cumbria LA9 4RU
Tel: (0539) 740844

S.W. 1

Type of Rig Used S & A

Date 30/3/90

Client GOLDER ASSOCIATES.

Borehole No. p 5

Contract WOOLHAMPTON

Diameter 8"

Total Depth 5.00

Description

Depth

Thickness

Samples

Stony top soil

0.40

40cm

Grey silty medium sand and flinty gravel

0.70

30cm

Grey firm silty pebbly chalky clay

1.40

70cm

H0.70-1.40 1

Brown silty medium sand and flinty gravel

1.70

30cm

Light grey silty medium sand and flinty gravel

3.20

1.50

B1.40-3.20 2

Dark grey stiff clay

5.00

1.80

H3.20-5.00 3

Start of second days drilling

Depth of hole 5.00

Casing at 4.00

No water found in hole

Water observations

Damp from 2.80-3.00

First water at 3.00. Stand for 15 mins.

No rise.

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SHEET 1

Unit 22
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 Kendal
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 Tel: (0539) 740844
 Date 30/3/90

Type of Rig Used STA

Client GARDNER ASSOCIATES

Borehole No. PB 5

Contract WOODHAMPTON

Diameter 8"

Total Depth 5.00

Description	Depth	Thickness	Samples
<p>TOTAL Length of pipe 5.00 Perforations in pipe from 1.50 down to 5.00 Fed large monitor</p>			
<p>75m Pipe 5.00 down</p>			
<p>Bedrock plug from 1.40 - 1.70</p>		5m	
<p>Sand from 1.80 up to 1.40</p>		40cm	
<p>Per gravel back fill from 5.00 up to 1.80</p>		3.20	
<p>Perforations in Pipe from 5.00 up to 1.50</p>			

Water observations

Flow from 2.80 - 3.20
 First water at 3.20 depth is about 15 mm
 No other

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Type of Rig Used S & A

Date 31/3/90

Client GOLDER ASSOCIATES

Borehole No. p 6

Contract WOOLHAMPTON

Diameter 8"

Total Depth 5.00

Description

Depth

Thickness

Samples

Top soil

0.40

40cm

Grey soft clayey silt

1.10

70cm

Yellowish/brown soft silt

1.30

20cm

Light grey medium silty sand and flinty
chalky gravel with occasional thin brown
gravel bands

3.70

2.40

B1.30-2.80 4

B2.80-3.70 5

Dark grey stiff clay with occasional very
small pieces of shell

5.00

1.30

H3.70-5.00 6

Hole left to stand 36 hours

Casing at 2.90

Hole drilled down to 5.00, gravel fallen
back in hole to 4.10.

No water found in hole.

Water observations

No water found when drilling

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BOREHOLE RECORD

SHEET 2

Unit 22
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 Tel: (0539) 740844

Date 31/3/90

Type of Rig Used STA.

Client GOLDEN ASSOCIATES.

Borehole No. P.6

Contract WOOLHAMTON.

Diameter 8

Total Depth 5.00

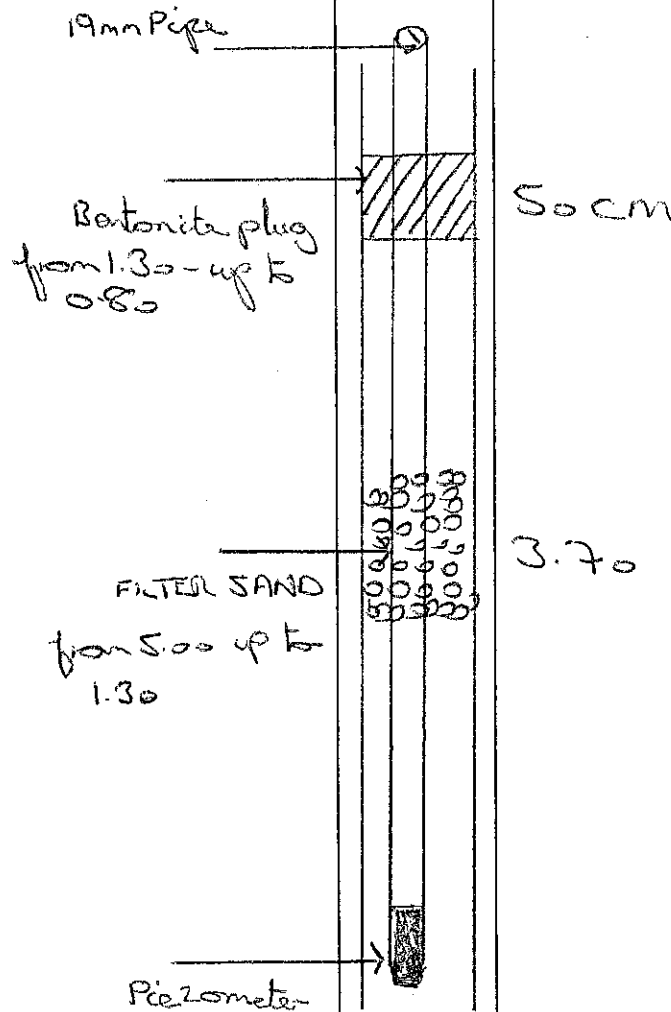
Description

Depth

Thickness

Samples

Total length of pipe 4.10
 Depth of pipe in hole 4.00



Water observations

No Water found when drilling
 Hole left to stand 36 hours
 No Water.

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BOREHOLE RECORD

SHEET 1

Unit 22
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Burneside Road
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Tel: (0539) 740844

Type of Rig Used S & A

Date 9/4/90

Client GOLDER ASSOCIATES

Borehole No. p 7

Contract WOOLHAMPTON

Diameter 8"

Total Depth 9.50

Description

Depth

Thickness

Samples

Peaty top soil

0.30

30cm

Mottled firm brown and grey chalky silty clay

1.10

80cm

H0.30-1.10 24

Dry light grey chalky silty medium sand and flinty gravel with occasional very thin light grey silt bands

3.00

1.90

B1.10-3.00 25

B3.00-4.40 26

Perm test

B4.40-5.90 27

B5.90-7.40 28

Wet light grey chalky silty sand and flinty gravel

8.00

5.00

B7.40-8.00 29

Soft dark grey clayey sandy silt turning to more stiff dark grey shelly clay

9.50

1.50

SHEET 2 DRAWING

SHEET 3 PERM. TEST

Water observations
First water at 2.98. Casing at 2.80
Hole at 3.00
Stand 15 mins. - rise to 2.95

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BOREHOLE RECORD

SHEET 2

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Date 9/4/90

Type of Rig Used S+A

Client GOLDEN ASSOCIATES

Borehole No. PB7

Contract WOOLHAMTON

Diameter 8"

Total Depth 9.50

Description	Depth	Thickness	Samples
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TOTAL LENGTH OF PIPE. 8.30
 DEPTH OF PIPE IN HOLE. 8.10

9mm pipe 8.30 length

BEAUMONTE PLUG
 1.00 - 0.50

50cm.

SAND BACK FILL
 FROM 9.50 to
 1.00

8.50

PIEZOMETER TIP

Water observations
 First Water AT 2.98
 CASING AT 2.80
 HOLE AT 3.00
 Stand for 15 mins RISE TO 2.95