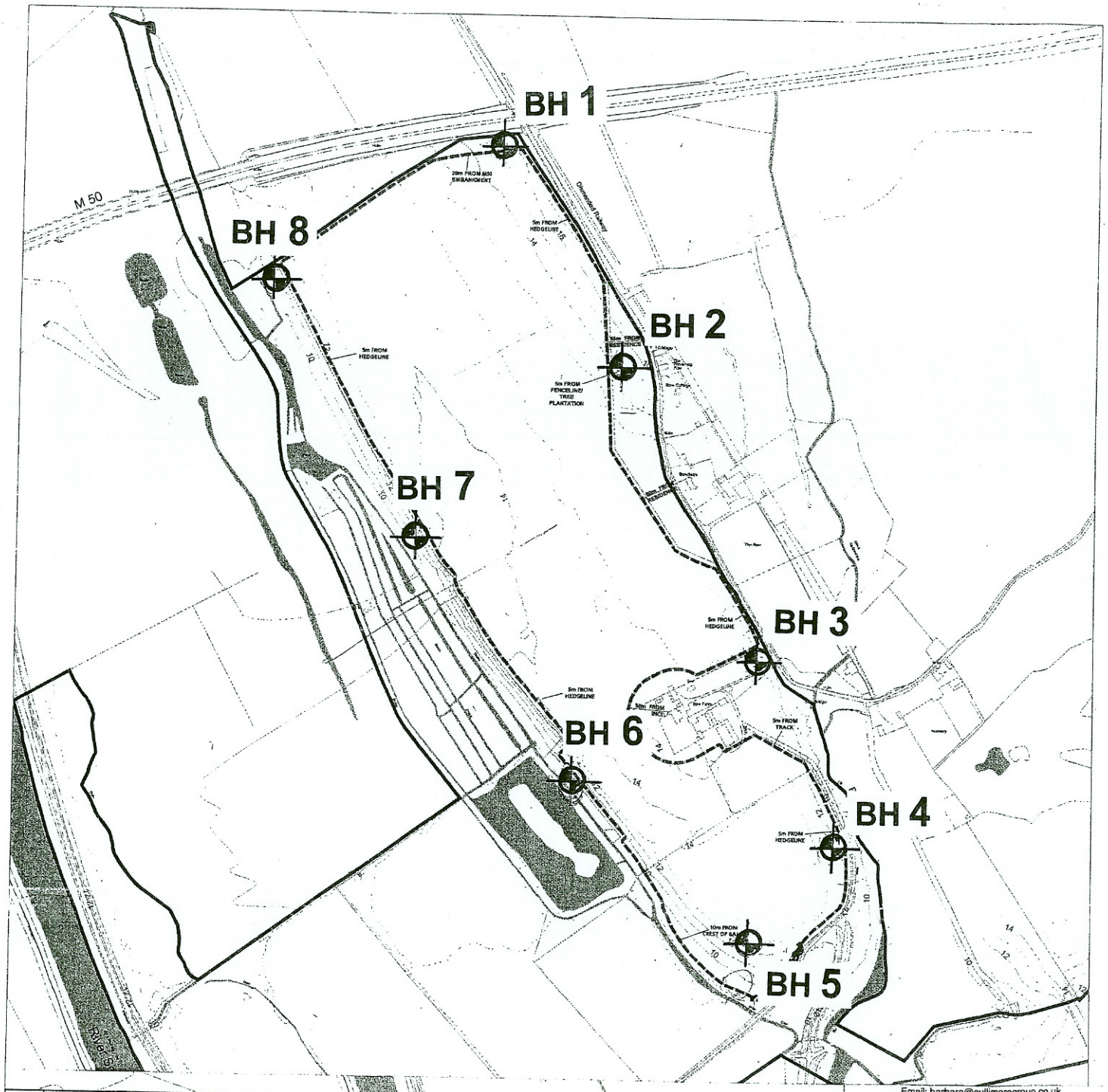
Cotswold Geotech
Shab Hill Birdlip Glos GL4 8JX

SITE PLAN
SHOWING BOREHOLE LOCATIONS

SITE: BOW FARM, RIPPLE

FILE	4107
SCALE	not exact
DATE	OCT 2010



0 50m 100m 250m

KEY

- BOUNDARY: LAND IN THE APPLICANTS CONTROL
- BOUNDARY: PROPOSED LIMITS OF MINERAL EXTRACTION
- 30 — EXISTING CONTOURS AT 1.0M INTERVALS

Email: barbara@cullimoregroup.co.uk

Project: **BOW FARM, RIPPLE**
PROPOSED SAND & GRAVEL EXTRACTION

Drawing Title: **BASE PLAN**

Scale	Date
1:5,000 at A3	SEPT 2010

Drawing No. **1870/PE/1**

Cotswold Geotech

BOREHOLE LOG

LOCATION	BOW FARM, RIPPLE	HOLE NO	BH 1
CLIENT	MORETON C CULLIMORE (GRAVELS) LTD	FILE NO	4107
METHOD	cable-percussion 150mm	GROUND LEVEL	

DESCRIPTION	DEPTH m	WATER	LEGEND	SAMPLES & IN SITU TESTS TYPE	DEPTH	(N)	FIELD RECORDS	INST	LAB TESTS
Red-brown sandy pebbly TOPSOIL	0.15						15.11.10		
Firm dark red-brown slightly pebbly sandy CLAY	1.00			D	0.50				
Medium dense to dense red-brown slightly pebbly medium SAND	2.40			D	1.20				
Stiff red-brown occasionally mottled grey-green friable silty CLAY grading to very weak MUDROCK at base	3.80			D	2.50		BH cased to 2.5m		
End of borehole at 3.80 m							BH dry on completion 13.12.10 BH dry		

SAMPLE KEY

D	Disturbed Sample
B	Bulk Sample
U	Undisturbed Sample
W	Water Sample
WS	Water Struck
SWL	Standing Water Level
N	Penetration Test N-Value
(N)	Core Run Blow Count
INST	Borehole Installation

TESTS

w	Moisture Content
P	Particle Size Distribution
I	Index Tests
T	Triaxial
DS	Drained Shear
Com	Compaction Test
Con	Consolidation Test
CBR	California Bearing Ratio
Ch	Chemical (usually SO_3)
Tox	Toxic Element Analysis

REMARKS

LOGGED BY

FIGURE

Cotswold Geotech

BOREHOLE LOG

LOCATION	BOW FARM, RIPPLE	HOLE NO	BH 2
CLIENT	MORETON C CULLIMORE (GRAVELS) LTD	FILE NO	4107
METHOD	cable-percussion 150mm	GROUND LEVEL	

DESCRIPTION	DEPTH m	WATER	LEGEND	SAMPLES & IN SITU TESTS TYPE	DEPTH	(N)	FIELD RECORDS	INST	LAB TESTS
Dark red-brown pebbly TOPSOIL	0.20						17.11.10		
Dense dark red-brown very clayey quartz/sandstone GRAVEL				D	0.50				
				D	0.90		BH cased to 1.0m		
	1.20			D	1.20				
Stiff red-brown friable silty CLAY grading to weak friable MUDROCK towards base									
	3.00								
End of borehole at 3.00 m							BH dry on completion 13.12.10 BH dry		

SAMPLE KEY

D	Disturbed Sample
B	Bulk Sample
U	Undisturbed Sample
W	Water Sample
WS	Water Struck
SWL	Standing Water Level
N	Penetration Test N-Value
(N)	Core Run Blow Count
INST	Borehole Installation

TESTS

w	Moisture Content
P	Particle Size Distribution
I	Index Tests
T	Triaxial
DS	Drained Shear
Com	Compaction Test
Con	Consolidation Test
CBR	California Bearing Ratio
Ch	Chemical (usually SO_3)
Tox	Toxic Element Analysis

REMARKS

LOGGED BY

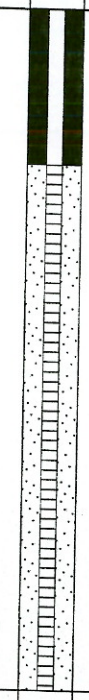
FIGURE

Cotswold Geotech

BOREHOLE LOG

LOCATION	BOW FARM, RIPPLE	HOLE NO	BH 3
CLIENT	MORETON C CULLIMORE (GRAVELS) LTD	FILE NO	4107
METHOD	cable-percussion 150mm	GROUND LEVEL	

DESCRIPTION	DEPTH m	WATER	LEGEND	SAMPLES & IN SITU TESTS TYPE	DEPTH	(N)	FIELD RECORDS	INST	LAB TESTS
Dark brown sandy pebbly TOPSOIL	0.20						30.11.10		
Firm red-brown very sandy CLAY	0.80			D	0.40				
Medium dense red-brown pebbly fine to medium SAND	2.60			D	1.10				
Medium dense red-brown medium SAND	3.75			D	2.75				
Stiff red-brown occasionally mottled grey-green friable silty CLAY grading to very weak MUDROCK at base	4.40			D	4.10		BH cased to 4.1m		
End of borehole at 4.40 m							BH dry on completion 13.12.10 SWL:4.23m		



SAMPLE KEY

D	Disturbed Sample
B	Bulk Sample
U	Undisturbed Sample
W	Water Sample
WS	Water Struck
SWL	Standing Water Level
N	Penetration Test N-Value
(N)	Core Run Blow Count
INST	Borehole Installation

TESTS

w	Moisture Content
P	Particle Size Distribution
I	Index Tests
T	Triaxial
DS	Drained Shear
Com	Compaction Test
Con	Consolidation Test
CBR	California Bearing Ratio
Ch	Chemical (usually SO_3)
Tox	Toxic Element Analysis

REMARKS

LOGGED BY

FIGURE

Cotswold Geotech

BOREHOLE LOG

LOCATION	BOW FARM, RIPPLE	HOLE NO	BH 4
CLIENT	MORETON C CULLIMORE (GRAVELS) LTD	FILE NO	4107
METHOD	cable-percussion 150mm	GROUND LEVEL	

DESCRIPTION	DEPTH m	WATER	LEGEND	SAMPLES & IN SITU TESTS TYPE	DEPTH	(N)	FIELD RECORDS	INST	LAB TESTS
Dark brown sandy TOPSOIL	0.20						29.11.10		
Firm red-brown very sandy CLAY	0.80			D	1.10				
Medium dense red-brown slightly clayey fine to medium SAND	2.10			D	1.80				
				D	2.20				
Medium dense red-brown gravelly medium SAND	2.60			D	2.60		BH cased to 2.5m		
Stiff red-brown occasionally mottled grey-green friable silty CLAY	3.20								
End of borehole at 3.20 m							BH dry on completion 13.12.10 BH dry		

SAMPLE KEY

D	Disturbed Sample
B	Bulk Sample
U	Undisturbed Sample
W	Water Sample
WS	Water Struck
SWL	Standing Water Level
N	Penetration Test N-Value
(N)	Core Run Blow Count
INST	Borehole Installation

TESTS

w	Moisture Content
P	Particle Size Distribution
I	Index Tests
T	Triaxial
DS	Drained Shear
Com	Compaction Test
Con	Consolidation Test
CBR	California Bearing Ratio
Ch	Chemical (usually SO_3)
Tox	Toxic Element Analysis

REMARKS

LOGGED BY

FIGURE

COTSWOLD AGS 3 UK BH 4107 LOGS.GPJ COTSWOLD.GDT 21/12/10

Cotswold Geotech

BOREHOLE LOG

LOCATION	BOW FARM, RIPPLE	HOLE NO	BH 5
CLIENT	MORETON C CULLIMORE (GRAVELS) LTD	FILE NO	4107
METHOD	cable-percussion 150mm	GROUND LEVEL	

DESCRIPTION	DEPTH m	WATER	LEGEND	SAMPLES & IN SITU TESTS TYPE	DEPTH	(N)	FIELD RECORDS	INST	LAB TESTS
Red-brown sandy pebbly TOPSOIL	0.15						23.11.10		
Firm red-brown sandy pebbly CLAY	0.60			D	0.50				
Medium dense red-brown fine to medium SAND	3.00			D	1.00				
Medium dense red-brown gravelly medium to coarse SAND	4.40			D	3.50				
				D	4.20				
Stiff red-brown occasionally mottled grey-green friable silty CLAY grading to very weak MUDROCK at base	5.20			D	4.80		BH cased to 4.7m		
End of borehole at 5.20 m							BH dry on completion 13.12.10 SWL:4.66m		

SAMPLE KEY

D	Disturbed Sample
B	Bulk Sample
U	Undisturbed Sample
W	Water Sample
WS	Water Struck
SWL	Standing Water Level
N	Penetration Test N-Value
(N)	Core Run Blow Count
INST	Borehole Installation

TESTS

w	Moisture Content
P	Particle Size Distribution
I	Index Tests
T	Triaxial
DS	Drained Shear
Com	Compaction Test
Con	Consolidation Test
CBR	California Bearing Ratio
Ch	Chemical (usually SO_3)
Tox	Toxic Element Analysis

REMARKS

LOGGED BY

FIGURE

Cotswold Geotech

BOREHOLE LOG

LOCATION	BOW FARM, RIPPLE	HOLE NO	BH 6
CLIENT	MORETON C CULLIMORE (GRAVELS) LTD	FILE NO	4107
METHOD	cable-percussion 150mm	GROUND LEVEL	

DESCRIPTION	DEPTH m	WATER	LEGEND	SAMPLES & IN SITU TESTS TYPE	DEPTH	(N)	FIELD RECORDS	INST	LAB TESTS
Dark brown sandy TOPSOIL	0.50			D	0.20		22.11.10		
Loose dark red-brown earthy fine to medium SAND	1.20								
Loose to medium dense dark red-brown clayey medium SAND	1.60			D	1.50				
Dark brown PEAT	1.70								
Medium dense red-brown slightly clayey medium SAND	4.70			D	2.20		WS @ 3.6m		
Medium dense dark red-brown sandy fine to coarse quartz/sandstone GRAVEL	5.00			D	4.80		BH cased to 4.8m		
Stiff red-brown occasionally mottled grey-green friable silty CLAY grading to very weak MUDROCK at base	5.80								
End of borehole at 5.80 m							13.12.10 SWL:3.30m		

SAMPLE KEY

D	Disturbed Sample
B	Bulk Sample
U	Undisturbed Sample
W	Water Sample
WS	Water Struck
SWL	Standing Water Level
N	Penetration Test N-Value
(N)	Core Run Blow Count
INST	Borehole Installation

TESTS

w	Moisture Content
P	Particle Size Distribution
I	Index Tests
T	Triaxial
DS	Drained Shear
Com	Compaction Test
Con	Consolidation Test
CBR	California Bearing Ratio
Ch	Chemical (usually SO_3)
Tox	Toxic Element Analysis

REMARKS

LOGGED BY

FIGURE

Cotswold Geotech

BOREHOLE LOG

LOCATION	BOW FARM, RIPPLE	HOLE NO	BH 7
CLIENT	MORETON C CULLIMORE (GRAVELS) LTD	FILE NO	4107
METHOD	cable-percussion 150mm	GROUND LEVEL	

DESCRIPTION	DEPTH m	WATER	LEGEND	SAMPLES & IN SITU TESTS TYPE	DEPTH	(N)	FIELD RECORDS	INST	LAB TESTS
Dark brown-black TOPSOIL	0.40			D	0.30		18.11.10		
Soft dark brown earthy sandy CLAY	0.90			D	1.00				
Medium dense reddish-brown slightly clayey and occasionally pebbly fine to medium SAND becoming coarser towards base				D	2.80		WS @ 3.3m		
	5.00						BH cased to 4.9m		
Stiff red-brown occasionally mottled grey-green friable silty CLAY	5.50			D	5.10				
End of borehole at 5.50 m							13.12.10 SWL:3.56m		

SAMPLE KEY

D	Disturbed Sample
B	Bulk Sample
U	Undisturbed Sample
W	Water Sample
WS	Water Struck
SWL	Standing Water Level
N	Penetration Test N-Value
(N)	Core Run Blow Count
INST	Borehole Installation

TESTS

w	Moisture Content
P	Particle Size Distribution
I	Index Tests
T	Triaxial
DS	Drained Shear
Com	Compaction Test
Con	Consolidation Test
CBR	California Bearing Ratio
Ch	Chemical (usually SO_3)
Tox	Toxic Element Analysis

REMARKS

LOGGED BY

FIGURE

Cotswold Geotech

BOREHOLE LOG

LOCATION	BOW FARM, RIPPLE	HOLE NO	BH 8
CLIENT	MORETON C CULLIMORE (GRAVELS) LTD	FILE NO	4107
METHOD	cable-percussion 150mm	GROUND LEVEL	

DESCRIPTION	DEPTH m	WATER	LEGEND	SAMPLES & IN SITU TESTS TYPE	DEPTH	(N)	FIELD RECORDS	INST	LAB TESTS
Red-brown sandy pebbly TOPSOIL	0.20						18.11.10		
Firm dark red-brown sandy slightly pebbly CLAY	0.90			D	0.50				
Medium dense to dense red-brown slightly clayey and pebbly medium SAND becoming more gravelly towards base				D	1.40				
				D	2.00				
				D	3.00		WS @ 3.6m BH cased to 3.8m		
	4.40								
Stiff red-brown occasionally mottled grey-green friable silty CLAY grading to very weak MUDROCK	4.80			D	4.60				
End of borehole at 4.80 m							13.12.10 SWL:2.83m		

SAMPLE KEY

D	Disturbed Sample
B	Bulk Sample
U	Undisturbed Sample
W	Water Sample
WS	Water Struck
SWL	Standing Water Level
N	Penetration Test N-Value
(N)	Core Run Blow Count
INST	Borehole Installation

TESTS

w	Moisture Content
P	Particle Size Distribution
I	Index Tests
T	Triaxial
DS	Drained Shear
Com	Compaction Test
Con	Consolidation Test
CBR	California Bearing Ratio
Ch	Chemical (usually SO_3)
Tox	Toxic Element Analysis

REMARKS

LOGGED BY

FIGURE