

Factual Ground Investigation Report

Old Bank Road, Mirfield

Client: Michelle Ashton

Job Number: G161765

Date of Issue: 04/05/2016

Project Title	Old Bank Road, Mirfield		Project Ref	G161765
Report Prepared By	Andy Paice BSc (hons), Engineering Geologist		REDACTED	
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Report Approved By	Andrew Johnston (BSc), Divisional Director		REDACTED	
Issue No	Status	Date		Approved By
001	Final	04/05/2016		AJ

1.0 INTRODUCTION

Site Location

The site of the proposed development is land adjacent to 9 Old Bank Road, Mirfield, West Yorkshire, WF14 0HS. A site location plan is included in Appendix A.

Scope of the Investigation

1no. rotary probe hole was drilled to a depth of 30m bgl to investigate for coal seams and former mine workings on 29th April 2016. The exploratory hole log is presented in Appendix B. This investigation generally adhered to the guidelines outlined in both BS5930:1999, +A2 (2010) Code of Practice for Site Investigations and BS1377:1990, Testing of Soils for Civil Engineering Purposes.

2.0 RESULTS OF THE GROUND INVESTIGATION

Ground Conditions

The driller recorded 'Clay' to 3.7m bgl, underlain by 'Mudstone and Sandstone' to 16.5m. From 16.5m to 16.9m the driller recorded a 'black / dark grey shaley Mudstone', and from 16.9m to 30.0m the driller recorded 'grey Mudstone with Sandstone bands'. No indication of coal seams or broken ground / mine workings was noted by the driller while drilling the probe hole. No loss of flush returns was noted, and no gas was detected during drilling. The published geological records available from the British Geological Survey indicates that the site is underlain by 'The Pennine Lower Coal Measures Formation'.

Please refer to the exploratory hole logs in Appendix B for a more detailed account of the conditions encountered during the investigation.

Groundwater

Groundwater was not encountered during drilling, however it should be noted that the use of water flush may have masked any water strikes. Changes in groundwater level may occur for a number of reasons, including seasonal effects and variations in drainage. The long term groundwater elevation may increase or decrease at some time in the future.

3.0 REFERENCES

- British Geological Survey (BGS – formerly the Institute of Geological Sciences (IGS)) www.bgs.ac.uk and BGS Geoindex: <http://mapapps2.bgs.ac.uk/geoindex/home.html>.
- BS5930:1999, +A2(2010) Code of Practice for Site Investigations.
- BS1377:1990, Methods for Testing of Soils for Civil Engineering Purposes.

APPENDICES

APPENDIX A

DRAWINGS

G161765

Old Bank Road Mirfield West Yorks WF14 0LY

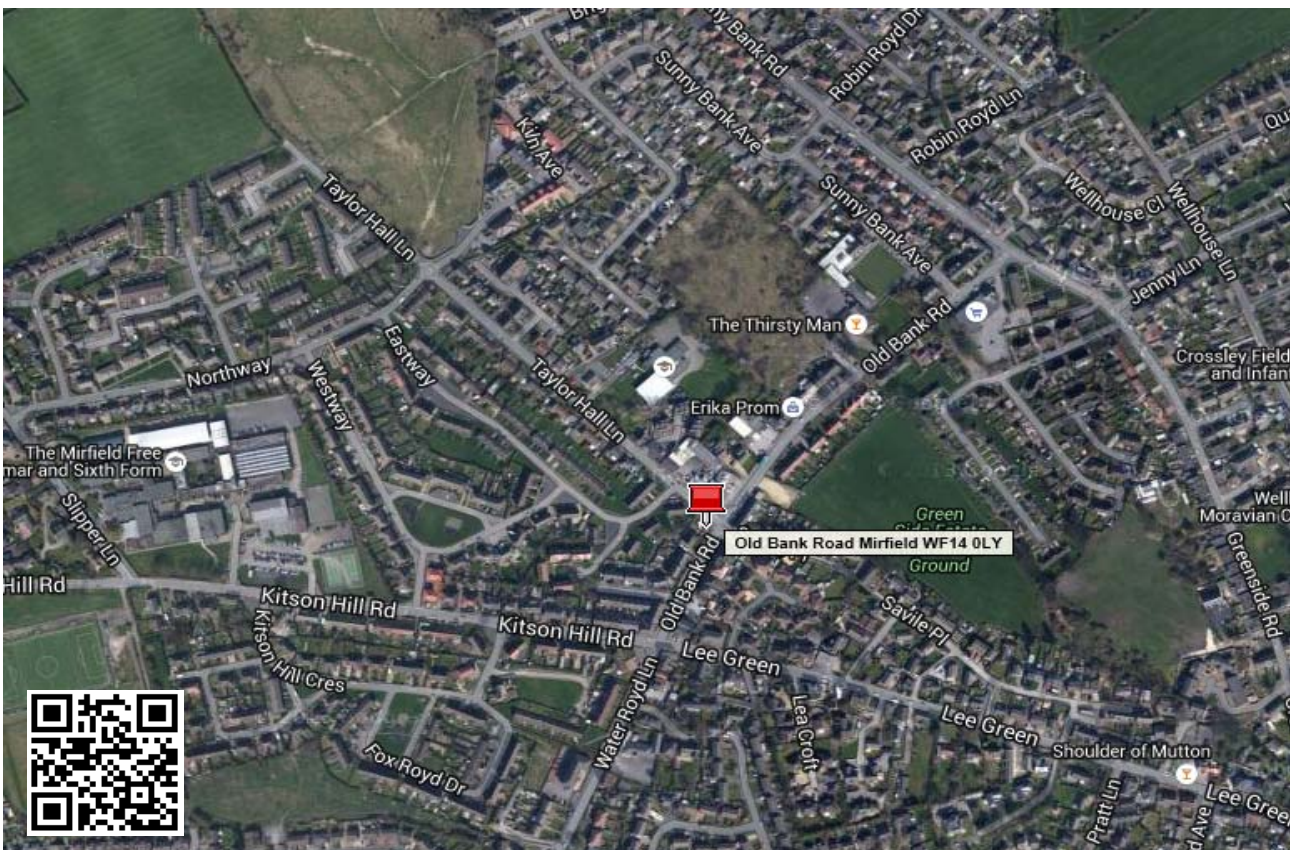


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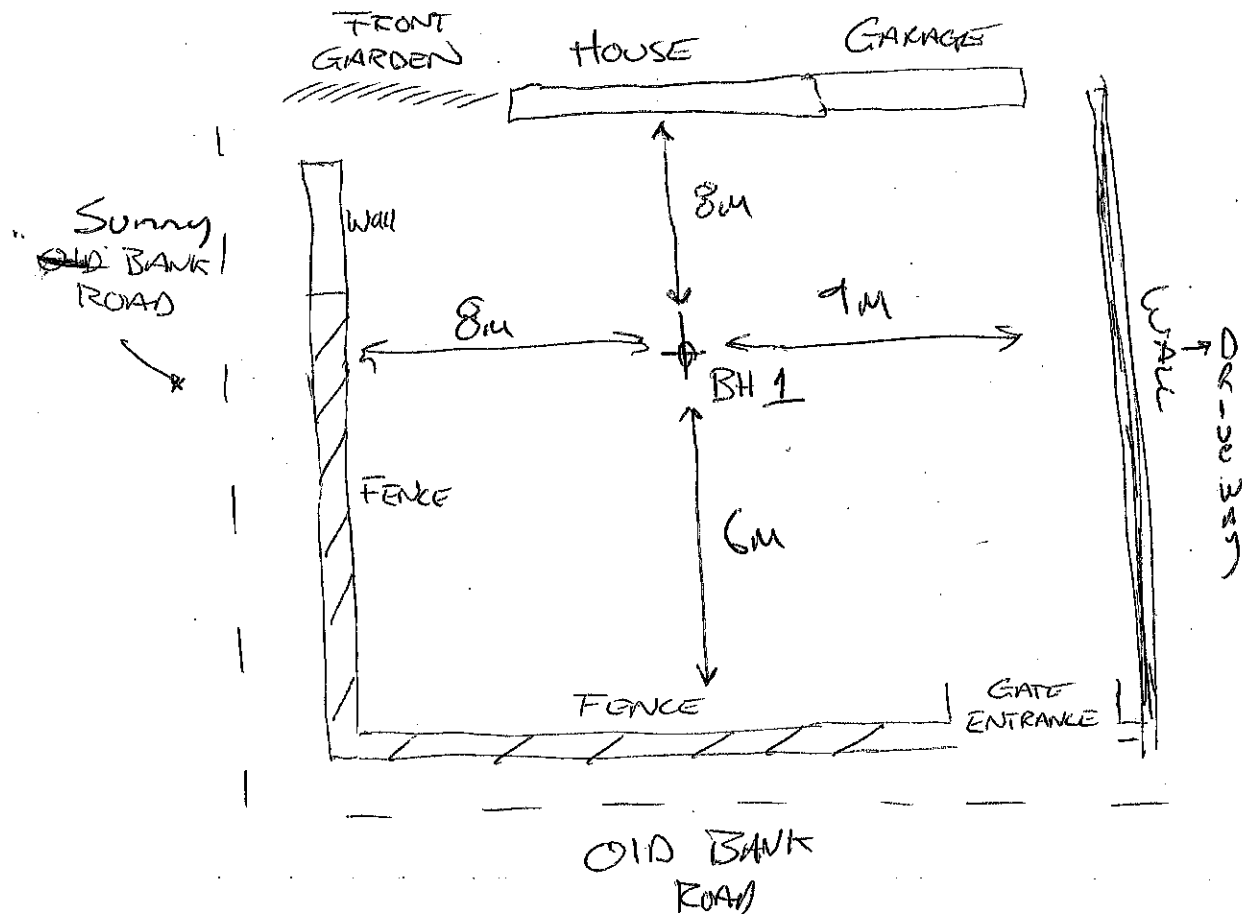
Aerial View of Site



Site Location

SITE:

CLIENT: AS PYRIAN



DRAWN BY: A. Foulstone

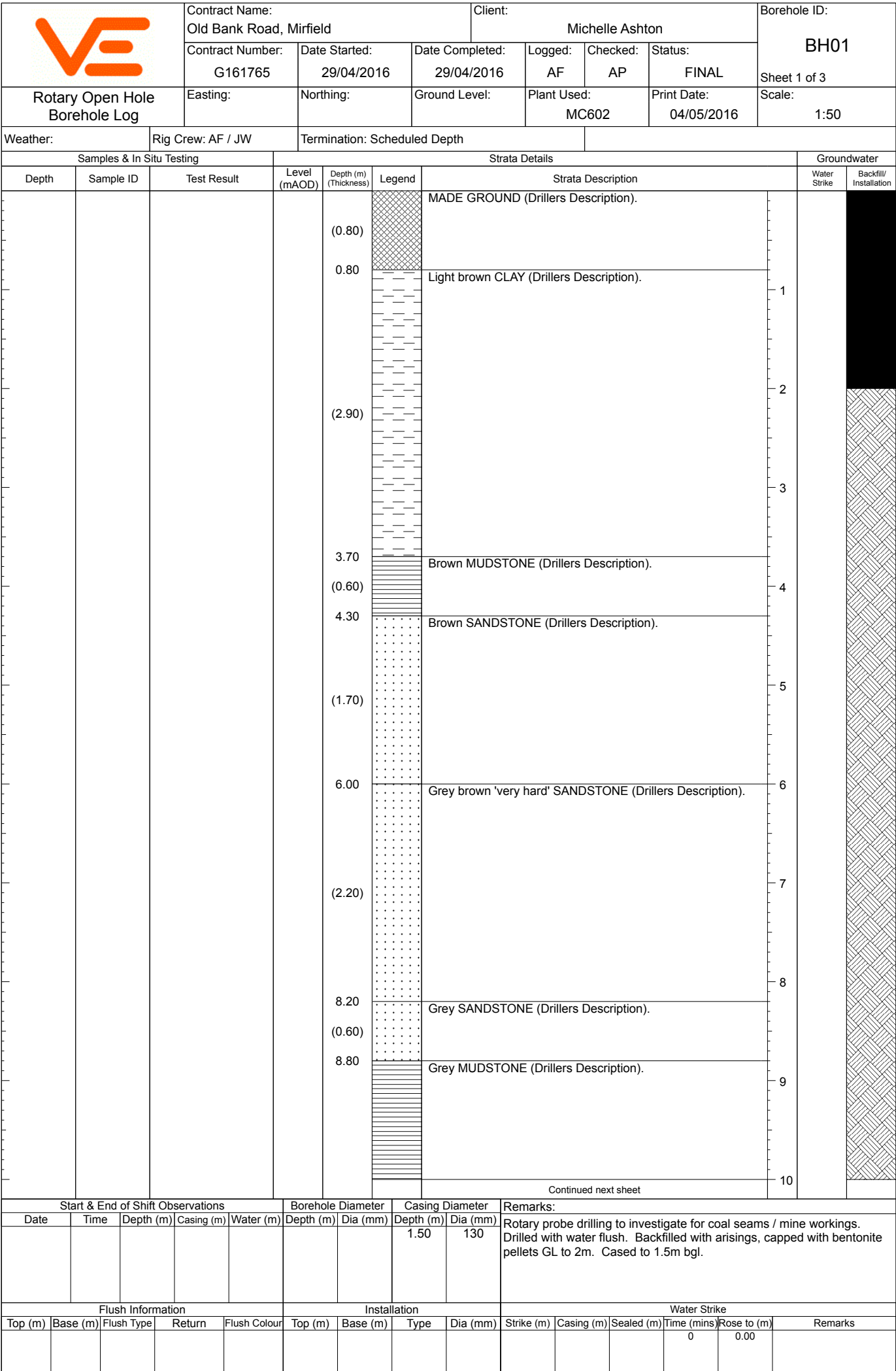
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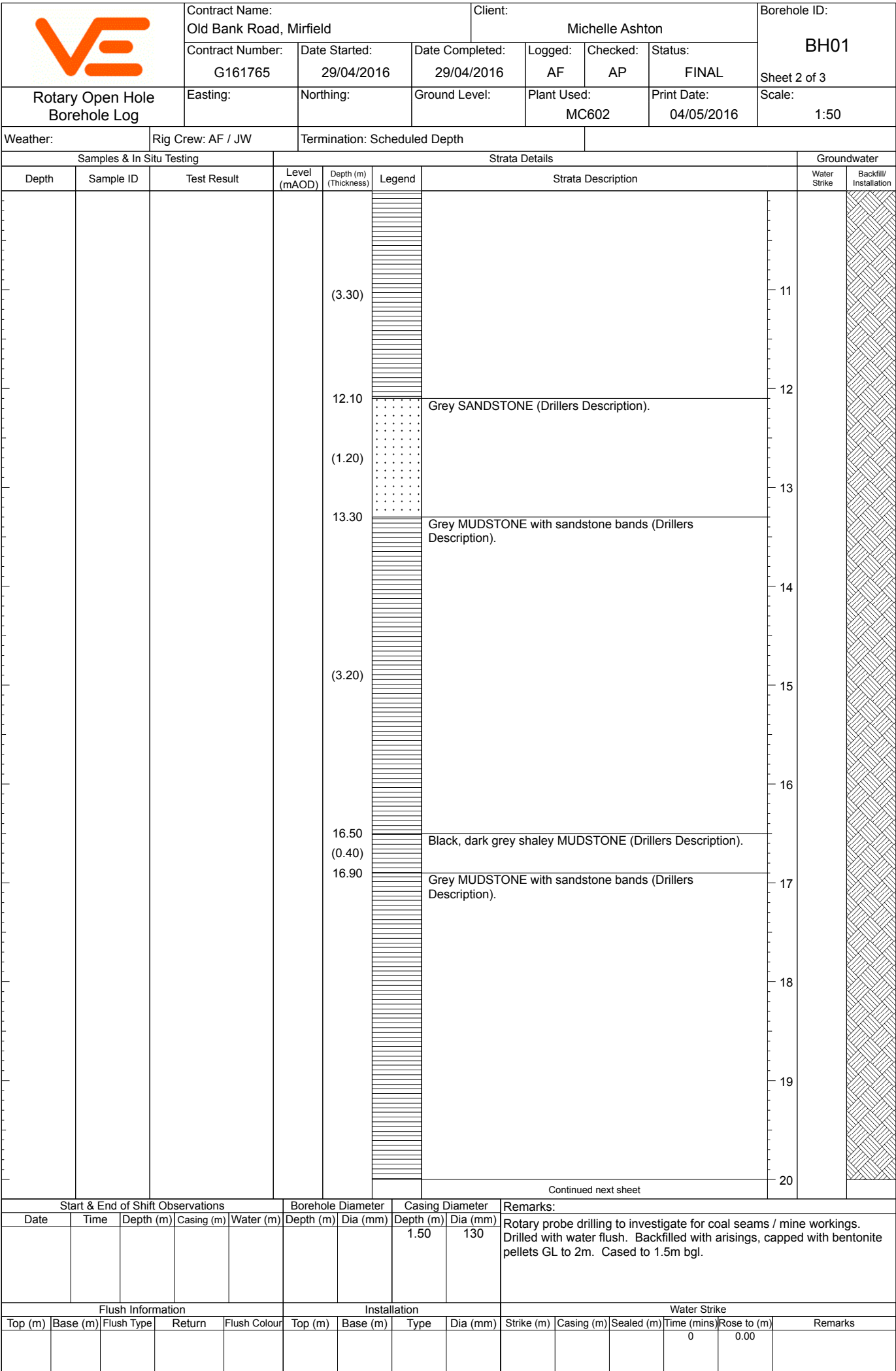
SCALE: ———

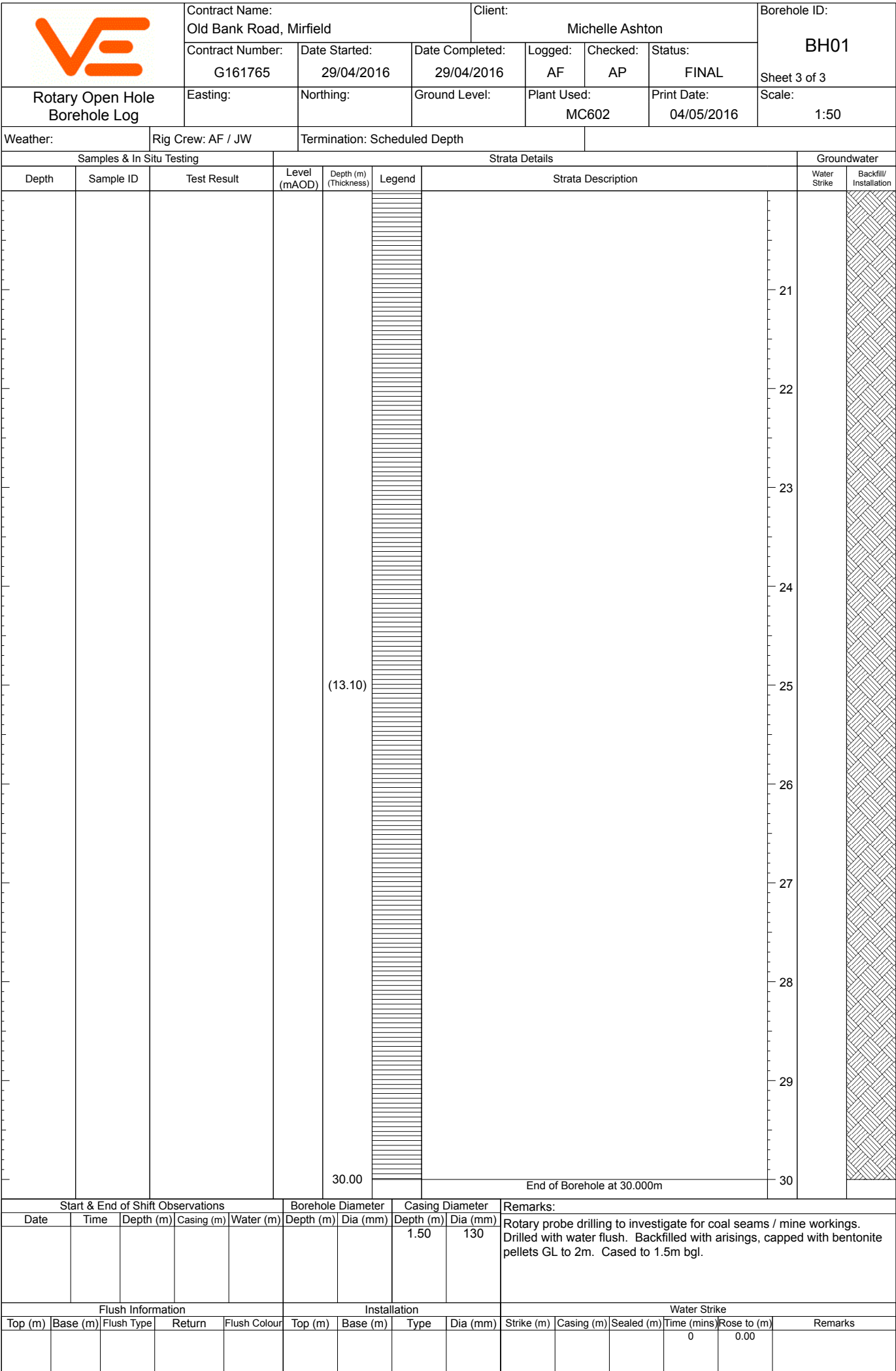
REMARKS:

APPENDIX B

EXPLORATORY HOLE RECORDS







LEGEND

U	Undisturbed driven tube sample, 100mm nominal diameter unless noted
UT	Undisturbed thin wall tube sample, 100mm nominal diameter unless noted
P	Undisturbed pushed piston sample, 100mm nominal diameter unless noted
TW	Thin wall tube (pushed)
CBR	CBR mould sample
BLK	Block sample
D	Small disturbed sample
B	Disturbed bulk sample
SB	Small disturbed bulk sample, <5kg total weight
SD	Standard Penetration Test liner sample
ES	Soil sample for environmental testing
W	Water sample
L	Liner, dynamic sample
C	Core sample

Test results

N	Standard penetration test, split spoon sampler
N	Standard penetration test, solid cone
K	Field permeability test, kFH indicates falling head, kPI indicates packer injection
V	Field vane test [natural (n) remoulded (r)]
I _a or I _d	Point load strength quoted for axial (a) and diameter (d)
CS	Core sample for laboratory testing
PP	Pocket Penetrometer

Terms and Limitations

This ground investigation report has been prepared in accordance with the clients requested scope of works (see section 1). Van Elle disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

The investigation has been carried out to our understanding of current best practice, however new information, legislation, local authority planning conditions or changes to best practice may necessitate further fieldworks and revision/reissue of the ground investigation report after the date of this report issue.

The exploratory hole logs given in this report were prepared for the sole benefit of the client in accordance with their brief (see section 1). As such these do not necessarily address all aspects of the ground behaviour on site. Where comments are made based on information obtained from third parties, Van Elle assumes that all third party information is true and correct. No independent action has been undertaken to validate the findings of third party information, unless specifically stated. This report may not be used or relied upon by any third party without the explicit written agreement of Van Elle Ltd.

This report relates solely to our Client's proposed development. Attention is drawn to the fact that the findings are based on data obtained from the borehole samples and in-situ testing. The possibility of variation in ground conditions around the borehole should not be overlooked. Any opinion or diagram of a possible configuration of strata beyond the borehole or extrapolated to greater depth is conjectural and given for guidance only. No liability can be accepted for such variations. This investigation was undertaken in good faith with regards to the request and requirements of the client at the time of quotation, it does not constitute a full interpretative report with regards to the geotechnical or environmental status of the site. There may be other sources of information not included in this report that hold data relevant to the site that could materially affect the conclusions made in this report.