



Our Ref: NG7020.L004/WHI/NDT/kef

Your Ref:

Chkd: ndt

Date: 08 September 2008

Mr J Farrar  
Farrar Bamforth Associates Ltd  
51 Trinity Street  
HUDDERSFIELD  
HD1 4DN

Dear John

**Re: Whitehall Road West, Birkenshaw BD11 2DE**  
**Planning Reference: TP/RG/92423**

Further to John Wood's letter of the 23 July 2008 we have now carried out a trial pitting exercise to investigate whether quarrying has taken place within the site boundary, which was deemed sufficient by Mr Nasir Dad at Kirklees Council as a Phase II report relating to the above planning application.

Prior to carrying out the trial pits we compiled information from a number of sources relating to quarrying in the area and we have attached this in Appendix A to demonstrate the historical record information relating to the quarrying in the area. The documentation consists of a geological map extract showing the sandstone quarry, a copy of Drawing NG6160-052 indicating the location of the filled quarry based on measurements taken during the investigation on the adjacent development in September 2005 and photos taken during the excavation of the material within the filled quarry. As can be seen from this historical information the quarrying does not appear to cross over the site boundary. We can also confirm that the writer of this report personally witnessed the excavation of the made ground from the filled quarry in February 2006, and that it was backfilled with inert 6F2 material.

Trial pits were carried out on Thursday, 7 August 2008, using a JCB excavator. The trial pit locations are indicated on the attached location plan in Appendix B. The trial pit logs are appended in Appendix C.

As can be seen from the enclosures, there is no evidence of the quarrying indicated on the historical maps extending onto the site. It can also be seen that the ground beneath the site consists of topsoil over natural material with bedrock encountered at shallow depth. There are a number of large trees on the site, with roots at shallow depth.

In conclusion, we note the following:-

1. There is no evidence to suggest that the quarrying extends onto the site.

Residential • Industrial • Commercial • Retail • Leisure • Education & Health • Rail • Sewerage • Highways • Contaminated Land

Members

**John A Wood**  
BSc CEng MStructE  
**Stuart W Evans**  
BEng (Hons) CEng MICE MStructE  
**Derek Smith**  
BEng CEng MICE MStructE  
JNP Group Ltd

Associates

**Mike Walters**  
BSc CEng MICE  
**Neil D Taylor**  
BSc CEng MICE MStructE  
**Dan Artis**  
BEng (Hons) CEng MICE  
**Victoria J Walker**  
CEng MStructE

Registered Office:  
Bourbon Court  
Nightingales Corner  
Little Chalfont  
Bucks

Registered in England No. OC302348

JNP Group is the trading name of JNP Northern LLP



2. The ground beneath the site appears to be natural material.
3. The foundations for the new dwellings should take into consideration the shallow depth large tree roots.

We trust this will be sufficient for you to proceed with the Planning Application for the project; however, should you require any further details then please do not hesitate to contact me.

Kind regards

Associate

Encs: Appendices A, B and C

Copy to: Ivan Conroy, Conroy Brook Developments (plus encs)

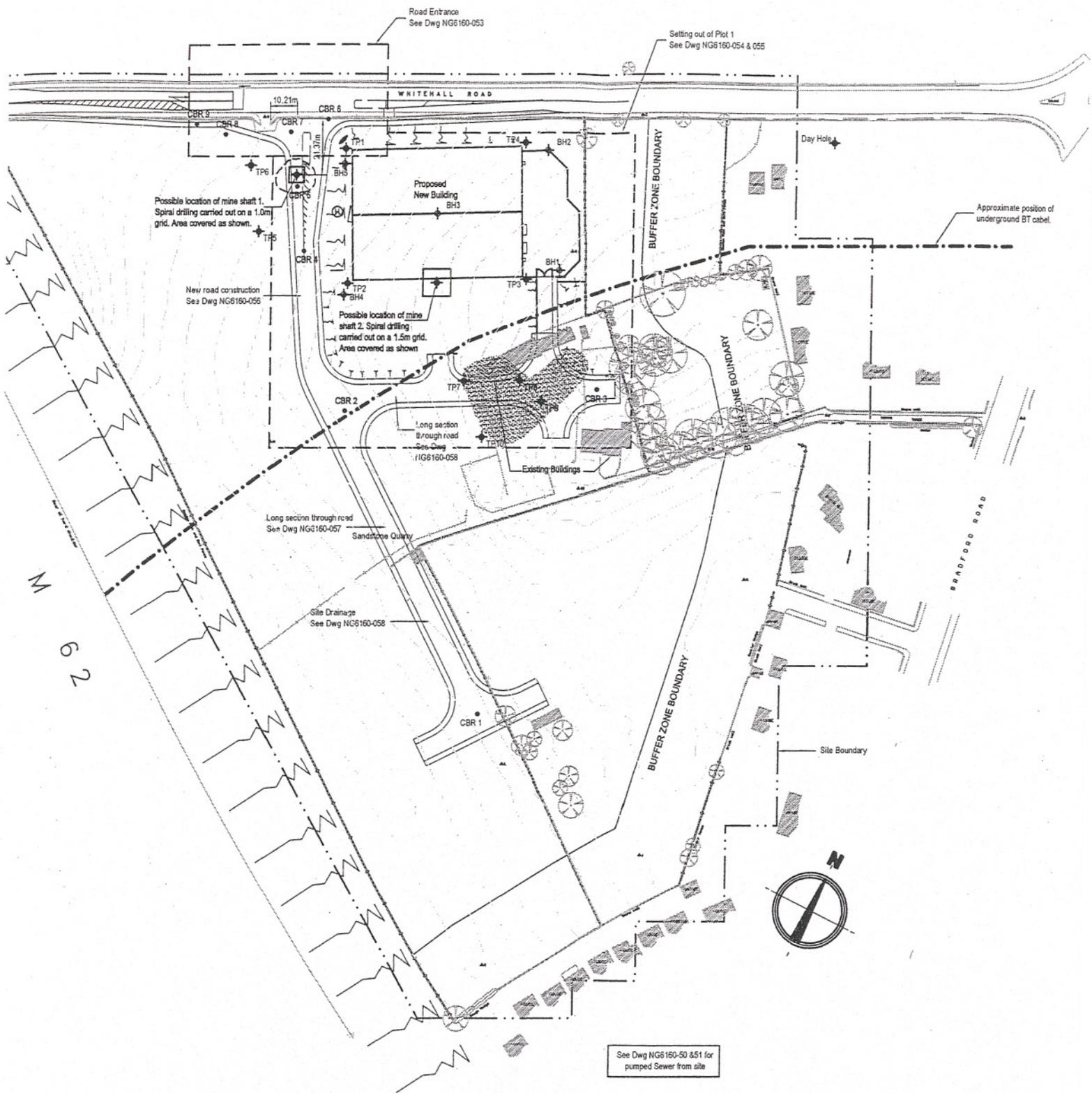


jnp group

Consulting Engineers

# **APPENDIX A**





**EXTERNAL WORKS GA**

[Scale 1:1000]







jnp group

Consulting Engineers

# **APPENDIX B**





jnp group

Consulting Engineers

# APPENDIX C



Consulting Engineers

Woodvale House Tel: 01484 400691  
 Woodvale Road Fax: 01484 400696  
 Brighouse Email: brighouse@jnpgroup.co.uk  
 W Yorks HD6 4AB Web: www.jnpgroup.co.uk

Residential  
 Industrial  
 Commercial  
 Retail  
 Leisure  
 Education & Health  
 Rail  
 Drainage  
 Highways  
 Contaminated Land

Chesham • Brighouse • Leamington Spa • Sheffield • Teesside • Thames Gateway

Client	Conroy Brook Developments c/o Farrar Bamforth Associates	Drawn By	RJW	Date	07/08/2008
Job	Whitehall Road, West Birkenshaw BD11 2DS	Checked By	NDT	Scale	
Title	TRIAL PIT 1	Drawing No.	NG7020-TP1	Rev.	

ALL WORKING DIMENSIONS TO BE CHECKED ON SITE - DO NOT SCALE.  
 Copyright reserved. This drawing may only be used for the Client and location specified in the title block. Prior to any work being commenced on site, the Engineer should be contacted regarding the current status of this dwg.

Samples & Insitu Tests		Water Depth (m)	Depth (m)	Description of Strata	O.D. Level	Legend
Depth	Type					
			300mm	Top Soil		
			500mm	Soil/ Stone/ Clay		
			1m	Light brown clay with sand lenses and siltstone fragments		
			1.6m	Stiff yellow clay mottled with grey silty clay		

Remarks

Hole Dry

# Trial Pit Log



Consulting Engineers

Woodvale House  
Woodvale Road  
Brighouse  
W Yorks HD6 4AB

Tel: 01484 400691  
Fax: 01484 400696  
Email: brighouse@jnpgroup.co.uk  
Web: www.jnpgroup.co.uk

Residential  
Industrial  
Commercial  
Retail  
Leisure  
Education & Health  
Rail  
Drainage  
Highways  
Contaminated Land

Chesham • Brighouse • Leamington Spa • Sheffield • Teesside • Thames Gateway

Client	Conroy Brook Developments c/o Farrar Bamforth Associates	Drawn By	RJW	Date	07/08/08
Job	Whitehall Road, West Birkenshaw BD11 2DS	Checked By	NDT	Scale	
Title	TRIAL PIT 2	Drawing No.	NG7020-TP2	Rev.	

ALL WORKING DIMENSIONS TO BE CHECKED ON SITE - DO NOT SCALE.  
Copyright reserved. This drawing may only be used for the Client and location specified in the title block. Prior to any work being commenced on site, the Engineer should be contacted regarding the current status of this dwg.

Samples & Insitu Tests		Water Depth (m)	Depth (m)	Description of Strata	O.D. Level	Legend
Depth	Type					
			200mm	Top Soil	Sample	2A
			500mm	Top Soil / stone / clay mixture		
			1m	orangy brown clay	Sample	2B
			1.6m	orange mottled grey clay (firm to stiff)		

Remarks

Hole Dry

# Trial Pit Log



forward thinking  
**jnp group**

Consulting Engineers

Woodvale House Tel: 01484 400691  
Woodvale Road Fax: 01484 400696  
Brighouse Email: brighouse@jnpgroup.co.uk  
W Yorks HD6 4AB Web: www.jnpgroup.co.uk

Residential  
Industrial  
Commercial  
Retail  
Leisure  
Education & Health  
Rail  
Drainage  
Highways  
Contaminated Land

Chesham • Brighouse • Leamington Spa • Sheffield • Teesside • Thames Gateway

Client	Conroy Brook Developments c/o Farrar Bamforth Associates	Drawn By	RJW	Date	07/08/08
Job	Whitehall Road, West Birkenshaw BD11 2DS	Checked By	NDT	Scale	
Title	TRIAL PIT 3	Drawing No.	NG7020-TP3	Rev.	

ALL WORKING DIMENSIONS TO BE CHECKED ON SITE - DO NOT SCALE.  
Copyright reserved. This drawing may only be used for the Client and location specified in the title block. Prior to any work being commenced on site, the Engineer should be contacted regarding the current status of this dwg.

Samples & Insitu Tests		Water Depth (m)	Depth (m)	Description of Strata	O.D. Level	Legend
Depth	Type					
			150mm	Top Soil		
			550mm	Soil / stone / clay mix		
			950mm	Weathered silt stone		
			1.5m	Orangy clay, some grey mottling, stiff		

Remarks

Hole Dry

# Trial Pit Log



forward thinking  
**jnp group**

Consulting Engineers

Woodvale House Tel: 01484 400691  
Woodvale Road Fax: 01484 400696  
Brighouse Email: brighouse@jnpgroup.co.uk  
W Yorks HD6 4AB Web: www.jnpgroup.co.uk

Residential  
Industrial  
Commercial  
Retail  
Leisure  
Education & Health  
Rail  
Drainage  
Highways  
Contaminated Land

Chesham · Brighouse · Leamington Spa · Sheffield · Teesside · Thames Gateway

Client	Conroy Brook Developments c/o Farrar Bamforth Associates	Drawn By	RJW	Date	07/08/08
Job	Whitehall Road, West Birkenshaw BD11 2DS	Checked By	NDT	Scale	
Title	TRIAL PIT 4	Drawing No.	NG7020-TP4	Rev.	

ALL WORKING DIMENSIONS TO BE CHECKED ON SITE - DO NOT SCALE.  
Copyright reserved. This drawing may only be used for the Client and location specified in the title block. Prior to any work being commenced on site, the Engineer should be contacted regarding the current status of this dwg.

Samples & Insitu Tests		Water Depth (m)	Depth (m)	Description of Strata	O.D. Level	Legend
Depth	Type					
			200mm	Top Soil /roots 10mm Ø	Sample	4A
			600mm	Clay / stones		
			1.3m	Broken stone / weathered sandstone		

Remarks

Hole Dry

# Trial Pit Log



Consulting Engineers

Woodvale House Tel: 01484 400691  
 Woodvale Road Fax: 01484 400696  
 Brighouse Email: brighouse@jnpgroup.co.uk  
 W Yorks HD6 4AB Web: www.jnpgroup.co.uk

Residential  
 Industrial  
 Commercial  
 Retail  
 Leisure  
 Education & Health  
 Rail  
 Drainage  
 Highways  
 Contaminated Land

Chesham • Brighouse • Leamington Spa • Sheffield • Teesside • Thames Gateway

Client	Conroy Brook Developments c/o Farrar Bamforth Associates	Drawn By	RJW	Date	07/08/08
Job	Whitehall Road, West Birkenshaw BD11 2DS	Checked By	NDT	Scale	
Title	TRIAL PIT 5	Drawing No.	NG7020-TP5	Rev.	

ALL WORKING DIMENSIONS TO BE CHECKED ON SITE - DO NOT SCALE.  
 Copyright reserved. This drawing may only be used for the Client and location specified in the title block. Prior to any work being commenced on site, the Engineer should be contacted regarding the current status of this dwg.

Samples & Insitu Tests		Water Depth (m)	Depth (m)	Description of Strata	O.D. Level	Legend
Depth	Type					
			200mm	top soil / roots 15mm Ø	Sample	5A
			600mm	Clay/ stones		
			1.3m	Broken Orangy stone/ weathered sandstone		

Remarks

Hole Dry

Trial Pit Log





forward thinking  
**jnp group**

Consulting Engineers

Woodvale House Tel: 01484 400991  
Woodvale Road Fax: 01484 400996  
Brighouse Email: brighouse@jnpgroup.co.uk  
W Yorks HD6 4AB Web: www.jnpgroup.co.uk

Residential  
Industrial  
Commercial  
Retail  
Leisure  
Education & Health  
Rail  
Drainage  
Highways  
Contaminated Land

Chesham • Brighouse • Leamington Spa • Sheffield • Teesside • Thames Gateway

Client	Conroy Brook Developments c/o Farrar Bamforth Associates	Drawn By	RJW	Date	07/08/08
Job	Whitehall Road, West Birkenshaw BD11 2DS	Checked By	NDT	Scale	
Title	TRIAL PIT7	Drawing No.	NG7020-TP6	Rev.	

ALL WORKING DIMENSIONS TO BE CHECKED ON SITE - DO NOT SCALE.  
Copyright reserved. This drawing may only be used for the Client and location specified in the title block. Prior to any work being commenced on site, the Engineer should be contacted regarding the current status of this dwg.

Samples & Insitu Tests		Water Depth (m)	Depth (m)	Description of Strata	O.D. Level	Legend
Depth	Type					
			300mm	Top soil / roots up to 50mm Ø		
			1m	Stone / weathered mud stone		

Remarks  
Cable uncovered at shallow depth

# Trial Pit Log





Consulting Engineers

Woodvale House Tel: 01484 400691  
 Woodvale Road Fax: 01484 400696  
 Brighouse Email: brighouse@jnpgroup.co.uk  
 W Yorks HD6 4AB Web: www.jnpgroup.co.uk

Residential  
 Industrial  
 Commercial  
 Retail  
 Leisure  
 Education & Health  
 Rail  
 Drainage  
 Highways  
 Contaminated Land

Chesham • Brighouse • Leamington Spa • Sheffield • Teesside • Thames Gateway

Client	Conroy Brook developments c/o Farrar Bamforth Associates	Drawn By	RJW	Date	07/08/08
Job	Whitehall Road, West Birkenshaw BD11 2DS	Checked By	NDT	Scale	
Title	TRIAL PIT 9	Drawing No.	NG7020-TP9	Rev.	

ALL WORKING DIMENSIONS TO BE CHECKED ON SITE - DO NOT SCALE.  
 Copyright reserved. This drawing may only be used for the Client and location specified in the title block. Prior to any work being commenced on site, the Engineer should be contacted regarding the current status of this dwg.

Samples & Insitu Tests		Water Depth (m)	Depth (m)	Description of Strata	O.D. Level	Legend
Depth	Type					
			300mm	Top soil / roots 50mm Ø	Sample	9A
			1.3m	Broken stone		

Remarks

# Trial Pit Log









forward thinking  
**jnp group**  
Consulting Engineers

Woodvale House Tel: 01484 400691  
Woodvale Road Fax: 01484 400696  
Brighouse Email: brighouse@jnpgroup.co.uk  
W Yorks HD6 4AB Web: www.jnpgroup.co.uk

Residential  
Industrial  
Commercial  
Retail  
Leisure  
Education & Health  
Rail  
Drainage  
Highways  
Contaminated Land

Chesham · Brighouse · Leamington Spa · Sheffield · Teesside · Thames Gateway

Client	Conroy Brook Developments c/o Farrar Bamforth Associates	Drawn By	RJW	Date	07/08/08
Job	Whitehall Road, West Birkenshaw BD11 2DS	Checked By	NDT	Scale	
Title	TRIAL PIT 13	Drawing No.	NG7020-TP13	Rev.	

ALL WORKING DIMENSIONS TO BE CHECKED ON SITE - DO NOT SCALE.  
Copyright reserved. This drawing may only be used for the Client and location specified in the title block. Prior to any work being commenced on site, the Engineer should be contacted regarding the current status of this dwg.

Samples & Insitu Tests		Water Depth (m)	Depth (m)	Description of Strata	O.D. Level	Legend
Depth	Type					
			300mm	Top soil		
			1m	sandstone		

Remarks

**Trial Pit Log**