

Third Floor South  
Metropolitan House  
Station Road  
Cheadle Hulme  
Cheshire SK8 7AZ

Tel: 0161 482 0600  
Email: [info@wmlconsulting.com](mailto:info@wmlconsulting.com)  
Website: [www.wmlconsulting.com](http://www.wmlconsulting.com)

Our Ref: 7913G/TPB/SCS

14<sup>th</sup> June 2024

Dear Sirs

### 7913G – Trinity, Huddersfield

WML Consulting have received comments relating to planning application no. 2024/90464 from Natalie Heaney of Kirklees Council via email on 31<sup>st</sup> May 2024. Please find the additional information requested below in italics.

1. Env Health sought clarification on the gas monitoring data set, and in particular requested pressure trend information, additional commentary on the response zones and the targeted strata, sampling times of the standpipes and the number of boreholes in the southern area as there appears to be a discrepancy.

**Action item:** WML to issue a supplementary report alongside the final phase 2 report that responds to the above points.

*Historical surface pressure trends at the Leeds Bradford Airport (nearest available location) from [weatheronline.co.uk](http://weatheronline.co.uk) data for the 24 hours prior to the date of monitoring visits are presented in the table below:*

Date of Visit	Pressure Trend
2 <sup>nd</sup> August 2006	Steady
10 <sup>th</sup> August 2006	Steady
16 <sup>th</sup> August 2006	Rising
29 <sup>th</sup> August 2006	Steady
13 <sup>th</sup> January 2017	Rising
20 <sup>th</sup> January 2017	Falling
3 <sup>rd</sup> February 2017	Rising
15 <sup>th</sup> February 2017	Steady

#### Directors

N. Garside BEng(Hons) CEng FStructE  
A.J.W. Leng BEng(Hons) CEng MStructE  
L.M. O’Gorman BSc(Eng) Hons CEng MStructE  
A.C. Wildman MEng(Hons) CEng MStructE

#### Associates

G.N. Booth BEng(Hons) CEng MStructE MICE  
Kevin Sherratt  
S. Seddon BSc (Hons), MSc, EurGeol, CGeol, FGS  
N. Brock MEng CEng MStructE  
M. Sadowski BEng (Hons) MStructE

#### Consultants

T.J. Mottershaw CEng  
F.G.I. Wright BSc(Hons) MSc DIC CEng MICE MStructE Dip. Law FCI/Arb ODR  
C.R. Wallace BSc(Hons) CEng FStructE  
P.G. Davies BSc(Hons) CGeol FGS

A summary of the exploratory hole installations and their response zones are presented in the table below:

Exploratory Hole	SI	Response Zone	Strata	Other Features
BH3	SM 2006	9.00 – 18.00mbgl	PLCM	Void 16.70-17.00mbgl Loose Ground 17.00-18.80mbgl
BH4	SM 2006	3.00 – 18.90mbgl	PLCM	Coal Band 13.70-14.11mbgl
BH5	SM 2006	4.25 – 21.83mbgl	PLCM	Void 18.28-18.60mbgl
WS7	SM 2006	0.30 – 1.00mbgl	Granular Made Ground	-
WS9	SM 2006	0.50 – 3.00mbgl	Cohesive Made Ground & Superficial Strata	-
BH106	IFA 2017	1.00* – 2.97mbgl	Granular Superficial Strata	-
WS106	IFA 2017	1.00 – 3.00mbgl	Cohesive superficial strata into top of PCLM	-

\*Installation details for BH106 are missing from the log, base of installation measured at 2.97m during monitoring, assumed top of response zone at 1.00mbgl.

It can be seen that these comprise a combination of shallow installations with granular made ground or superficial strata and deep installations within Pennine Lower Coal Measures (PLCM) strata, including spanning historical mining features which may provide a source of ground gas.

BS8576:2013 states that when using hand held monitoring equipment, the monitoring should be carried out until a steady state reading is obtained. There is no exact time that this would take as this is associated with variations in well size, depth, etc.

Therefore, it is considered that monitoring followed the relevant guidance together with the relevant operating manuals of the varying hand-held devices. As such for shallow boreholes this is indicated to generally be achieved within 60-90 seconds. However, where concentrations were yet to stabilize after 90 seconds monitoring was continued until steady-state conditions were attained and concentrations then the concentrations were recorded.

In total 7no exploratory holes have been monitoring which are located in the southern part of the site. Soil Mechanics 2006 WS7 & WS9 had been mistakenly omitted from the combined location plan in the Phase 2 report, an updated plan with these positions shown is appended (7913G SK-01A).

2. Env Health sought clarification regarding combustible material. WML explained that this has been addressed in the revised report but EH confirmed they have not seen this report to date. **Action item:** WML to provide clarification in supplementary report alongside the final phase 2 report where this is addressed.

Revised Phase 2 report (7913G-WML-XX-ZZ RP-G-0002-A) addresses combustion potential (Section 7.23-7.25).

3. Env Health sought clarification regarding asbestos proposals. WML confirmed additional report related to enabling works covers this. **Action item:** EH to review this as part of next consultation before providing additional comments.

*Earthworks Validation Report (7913G-WML-XX-ZZ-RP-G-0005) includes all documentation from asbestos specialist relating to construction of platform (Appendix 7, 9 and 10).*

4. Env Health requested clarification as to why imported materials/re-use of site won did not appear to reflect YALPAG guidance. WML asked for confirmation of newest YALPAG. EH confirmed latest guidance and asked for proposals to reflect this. WML explained this might have been addressed in a revised report already.

**Action item:** WML to double check Rem Strat matches the newest YALPAG guidance and EH to review this as part of next consultation before providing additional comments

*Revised Remediation Strategy (7913G-WML-XX-ZZ-RP-G-0004B) matches latest YALPAG guidance.*

5. Env Health explained that all information to be sent to David/LPA in first instance however, David requested that Natalie be copied in.

**Action item:** ID Planning to ensure LPA/Env Health are aware of any documents provided in support of the application and WML/ID to confirm which versions are the correct versions to review.

*Document versions for review:*

*Phase 2 Report 7913G-WML-XX-ZZ RP-G-0002-A*

*Remediation Strategy 7913G-WML-XX-ZZ-RP-G-0004B*

*Earthworks Validation Report 7913G-WML-XX-ZZ-RP-G-0005*

We trust this provides you with the information required at this time. However, please do not hesitate to contact us if you have any queries.

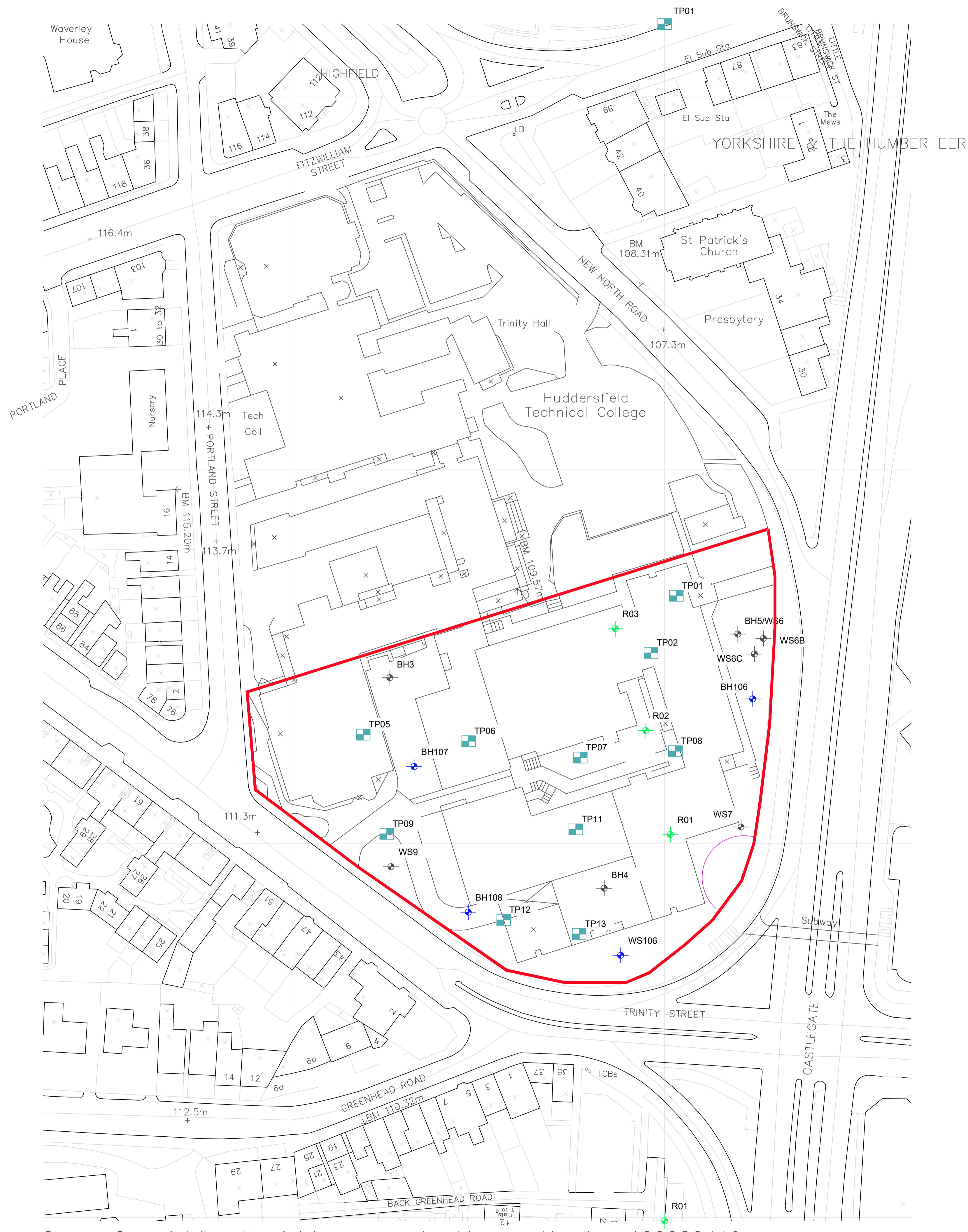
Yours sincerely

T P Booth

S C Seddon

For WML CONSULTING

**APPENDIX 01**  
**Drawings**



**LEGEND**

**SOIL MECHANICS 2006**

- BH3 ROTARY BOREHOLES
- WS6 WINDOW SAMPLE HOLES

**IAN FARMER - 2017**

- BH106 ROTARY BOREHOLES
- WS106 WINDOW SAMPLE HOLES

**GROUNDTECH CONSULTING - 2023**

- R01 ROTARY BOREHOLES

**WNL CONSULTING - 2023**

- TP01 TRIAL PITS

APPROXIMATE LOCATION OF SHAFT/WELL ENCOUNTERED DURING SITE STRIP - 2023

**NOTES - TRIAL PIT NUMBERS (2023)**  
TP03, TP04, TP10 NOT USED.

**GENERAL NOTES**

- DO NOT SCALE FROM THIS DRAWING WORK TO FIGURED DIMENSIONS ONLY.
- NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS ALLOWED WITHOUT PRIOR PERMISSION IN WRITING.
- ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND THE SPECIFICATION.
- THE CONTRACTOR SHALL INCORPORATE ALL THE REQUIREMENTS OF THE PRE-TENDER STAGE HEALTH & SAFETY PLAN.

Rev.	Amendment	Date	By	Chkd

Project  
**TRINITY STREET, HUDDERSFIELD**

Client  
**STAINFORTH CONSTRUCTION**

Title  
**EXPLORATORY HOLE LOCATION PLAN**

Drawn	Checked	Date	Scale
SCS	TPB	11/04/2023	1:500@A1

**WML CONSULTING**  
Chartered Civil and Structural Engineers

Third Floor South  
Metropolitan House  
Station Road  
Cheadle Hulme  
Cheshire SK8 7AZ  
Tel 0161 482 0600  
Fax 0161 486 9210  
e-mail info@wmlconsulting.com  
www.wmlconsulting.com

Job No. **7913G** Drawing No. **SK-01A**