



Geo2 Remediation Ltd Coniston House  
Louisa Street, Idle, BD10 8NE

0113 257 5397  
[info@geo2.co.uk](mailto:info@geo2.co.uk)  
[geo2.co.uk](http://geo2.co.uk)

Mike Hughes  
Smith & Love Planning Consultants  
Rational House  
32 Winkley Square  
Preston  
PR1 3JJ

28/06/2023

Dear Mike,

**Re: Drilling of Deeper Borehole, Former Griffin Inn, Frizington**

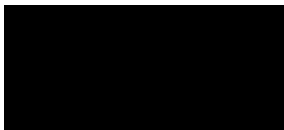
Following instruction by Smith & Love, Geo<sup>2</sup> attended site at the Former Griffin Inn, Mill Street, Frizington, CA26 3SQ on the 15<sup>th</sup> of June 2023 to extend one deep borehole in order to establish ground conditions and the presence of any shallow water table prior to redevelopment of the site.

Drilling was undertaken, using hand pitting and rotary open hole techniques, with two locations attempted. BH1, in the centre of the site was terminated at 0.7m bgl due to the identification of a clay pipe during hand pitting. BH2 was then extended to a depth of 10.5m bgl before terminating on bedrock.

Ground conditions encountered comprised a thin layer of made ground, comprising loose gravels underlain by reworked clay. Natural ground was found to be stiff boulder clays, becoming heavily weathered and competent from around 9m bgl. Based on the arisings, bedrock is considered to be sandstone. Borehole logs are appended to the letter.

No evidence of groundwater was identified during the drilling, with a monitoring well installed and subsequently monitored one hour after completion of the hole. No water was found to have accumulated during this time. As such, we would consider that no shallow groundwater body is present beneath the site and risks from future underground storage tanks are reduced, although given the sensitivity of the groundwater resource it is considered likely that a Fuel Storage Risk Assessment would be requested during the planning process.

Kind regards,



Steven Jackson

28/06/2023  
Date

**Geo<sup>2</sup> Remediation Limited**

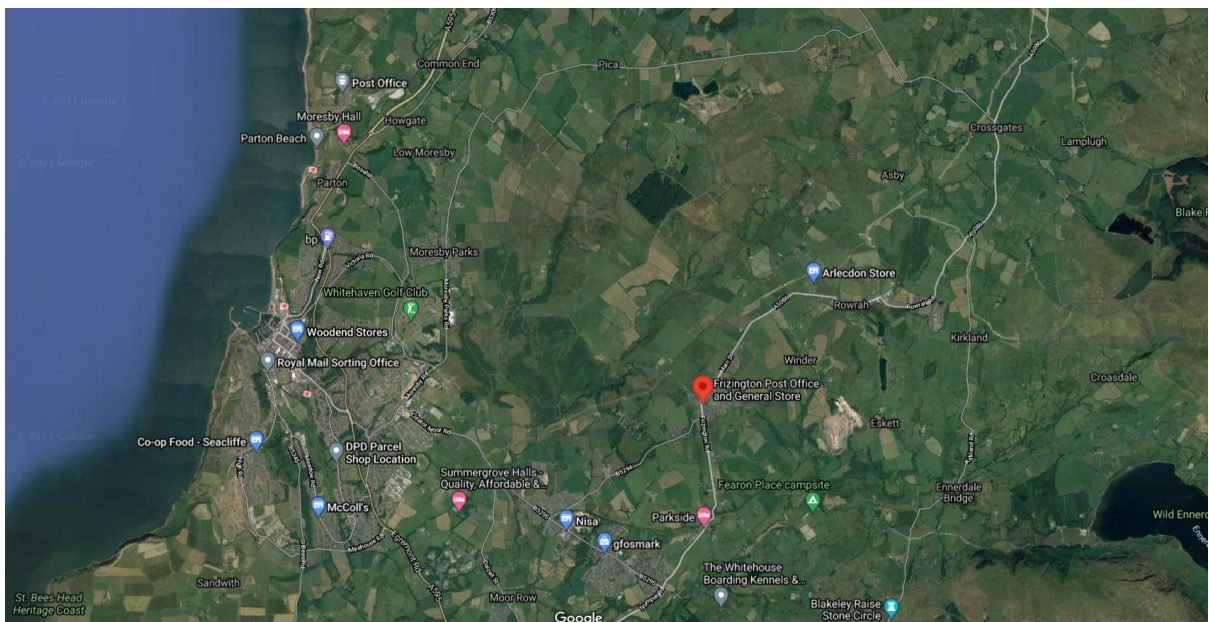


Figure 2 - Site Location

Ref: <http://www.natureonthemap.naturalengland.org.uk>



Figures 1 & 2 Site Location -  
Former Griffin Inn, Mill Street, Frizington CA26 3SQ

Geo2 Remediation Limited, The Coniston, Louisa Street, Idle, West Yorkshire, BD10 8NE  
Tel: (0113) 2575397 [www.geo2.co.uk](http://www.geo2.co.uk)

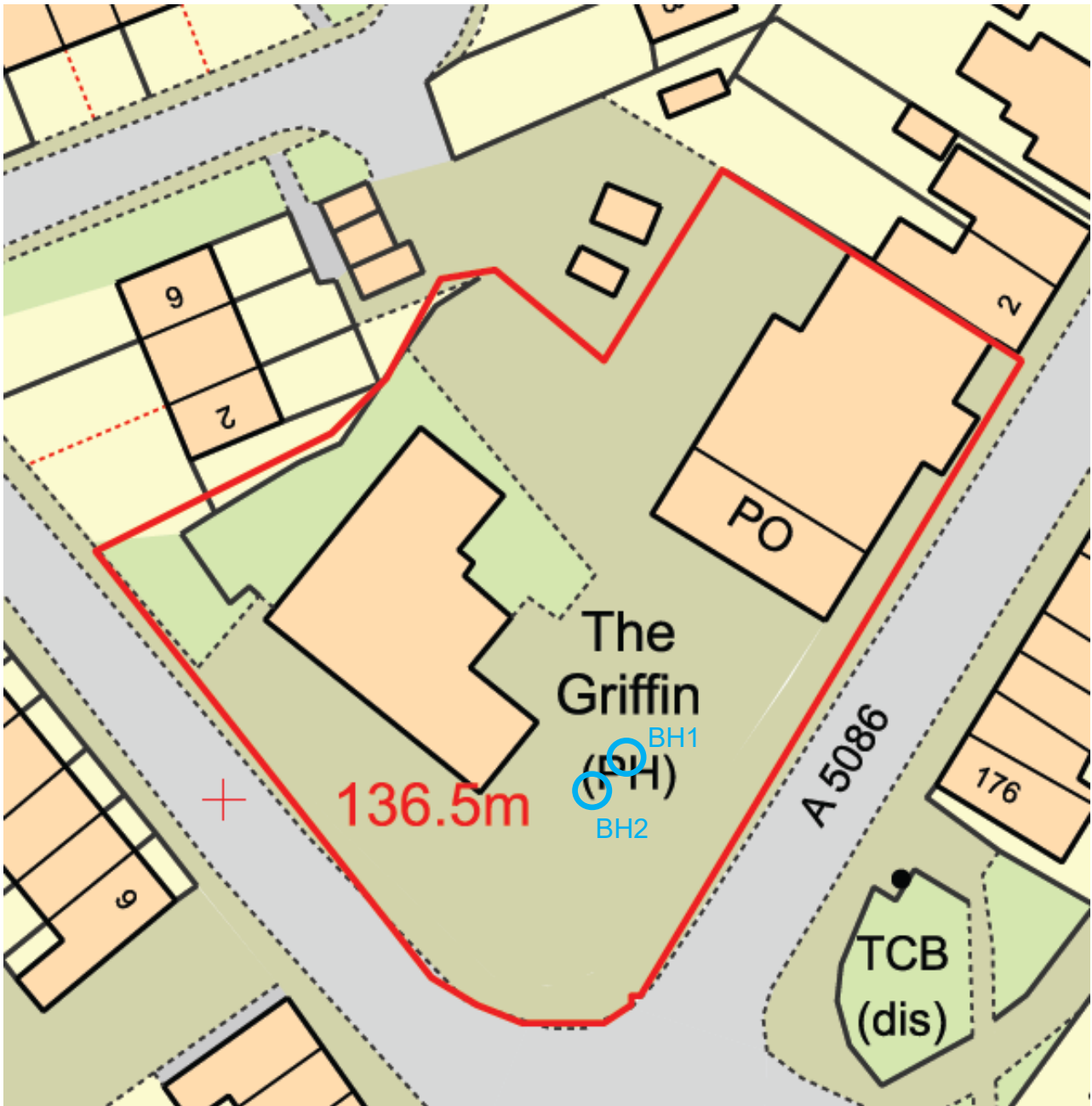


Figure 3 - BH Location Plan



Figure 3 - BH Location Plan -

Former Griffin Inn, Mill Street, Frizington CA26 3SQ

Geo<sup>2</sup> Remediation Limited, The Coniston, Louisa Street, Idle, West Yorkshire, BD10 8NE

Tel: (0113) 2575397

[www.geo2.co.uk](http://www.geo2.co.uk)



# Rotary Core Log

Project Name: Griffin Inn				Client: Smith Love				Date: 15/06/2023			
Location: Griffin Inn, Mill Street, Frizington, CA26 3SQ				Contractor: Cape Site Services							
Project No. : 1242				Crew Name:				Drilling Equipment: Beretta T20			
Borehole Number BH1		Hole Type RO		Level		Logged By SJ		Scale 1:50		Page Number Sheet 1 of 1	

Well	Water	Depth (m)	Type /FI	Coring			Diameter Recovery (SPT)	Depth (m)	Level (m)	Legend	Stratum Description	
				TCR	SCR	RQD						
								0.10			TARMAC	1
								0.30			MADE GROUND - Brown, loose infill of SAND and angular GRAVELS of concrete and sandstone	
								0.70			MADE GROUND - Brown reworked CLAY with tile, slate and sandstone cobbles End of Borehole at 0.700m	
												2
												3
												4
												5
												6
												7
												8
												9
												10

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation				Drilling Flush					
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation	Depth Top	Depth Base	Type	Colour	Min (%)	Max (%)

Remarks End at 0.7m on Clay Pipe																	
-------------------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



Remarks
End at 10.5m on Weathered Bedrock



Remarks	
End at 10.5m on Weathered Bedrock	