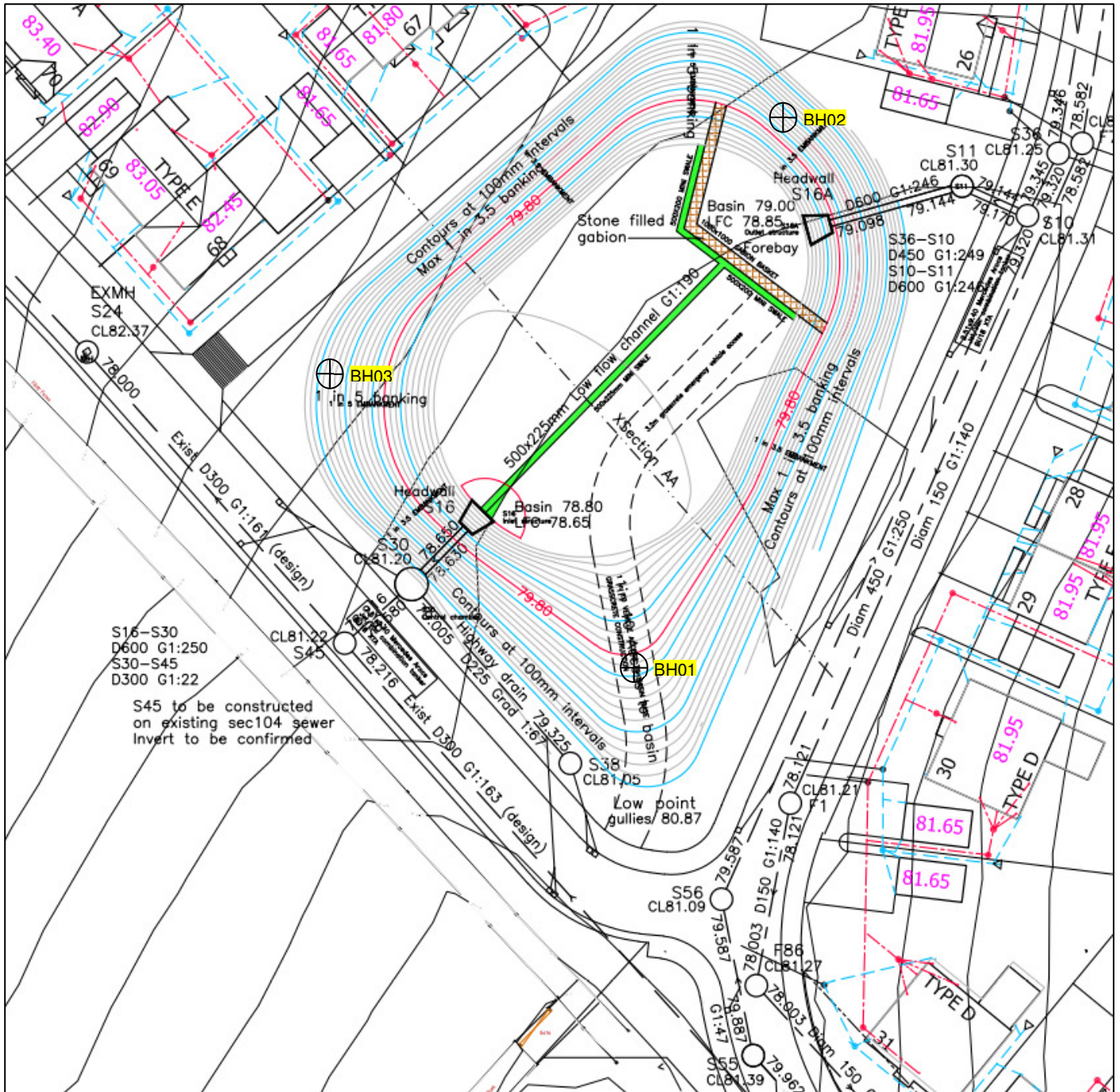
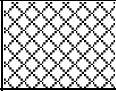
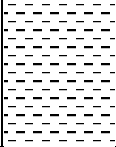
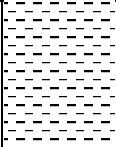
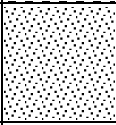
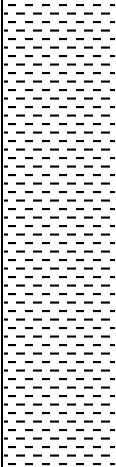


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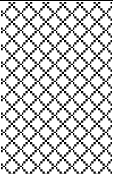
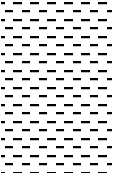
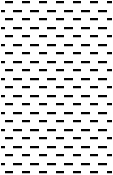
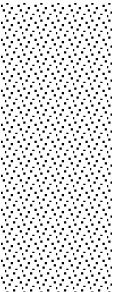
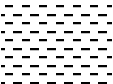
Exploratory Hole Location Plan (Approximate Locations – Not to Scale)



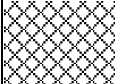

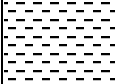
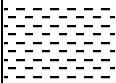
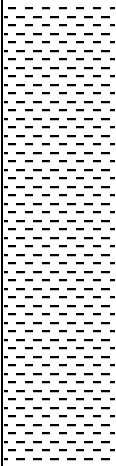
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BH01

Depth From (m)	Depth To (m)	Strata Description	Legend	Testing / Samples
0.00	0.35	MADE GROUND: Rough grass over dark brown sandy TOPSOIL. Much fine to coarse gravel noted of limestone and sandstone and occasional coal, clinker and brick.		
0.35	1.05	Firm light brown sandy, gravelly CLAY.		
1.05	1.60	Firm grey sandy, gravelly CLAY.		
1.60	2.10	Dark purple-reddish brown slightly gravelly fine to coarse SAND with occasional clay bands.		
2.10	4.00	Firm becoming stiff light reddish brown, very gravelly CLAY.		
Log Notes: Hand dug before drilling. Cased to 2.00m. End of borehole. Water strike at 1.70m. SWL at 1.80m on completion. Borehole installed with 3.00m slotted/1.00m plain pipe/gas bung/steel cover.				
Site: Keekle Rise, Cleator Moor, Cumbria Engineer: GE Site Works Date: 17/03/2022 Plant: Dando Terrier Superheavy		Log Key: SPT = Standard Penetration test (result as N value) HSV = Hand Shear Vane (result in kN/m ²) CBR = California Bearing Ratio by Mexe Cone Penetrometer (result as percentage) LP = Limited Penetration (HSV/CBR) NP = No penetration (HSV/CBR) B = Bulk Bag, J = Amber Glass Jar, T = Plastic Tub		

GEO2022-5256 Keekle Meadows, Cleator Moor.
BH02

Depth From (m)	Depth To (m)	Strata Description	Legend	Testing / Samples
0.00	0.70	MADE GROUND: Brown silty, very sandy CLAY FILL with much fine to coarse gravel of concrete, brick, sandstone, slag, clinker and coal.		
0.70	1.45	Stiff light brown sandy, gravelly CLAY.		
1.45	2.30	Stiff grey sandy, gravelly CLAY.		
2.30	3.65	Dark purple-reddish brown slightly gravelly fine to coarse SAND with occasional clay bands.		
3.65	4.00	Stiff light reddish brown, very gravelly CLAY.		
Log Notes: Hand dug before drilling. Cased to 3.00m. End of borehole. Water strike at 2.40m. SWL at 2.45m on completion. Borehole installed with 3.00m slotted/1.00m plain pipe/gas bung/steel cover.				
Site: Keekle Rise, Cleator Moor, Cumbria Engineer: GE Site Works Date: 17/03/2022 Plant: Dando Terrier Superheavy		Log Key: SPT = Standard Penetration test (result as N value) HSV = Hand Shear Vane (result in kN/m ²) CBR = California Bearing Ratio by Mexe Cone Penetrometer (result as percentage) LP = Limited Penetration (HSV/CBR) NP = No penetration (HSV/CBR) B = Bulk Bag, J = Amber Glass Jar, T = Plastic Tub		

GEO2022-5256 Keekle Meadows, Cleator Moor.
BH03

Depth From (m)	Depth To (m)	Strata Description	Legend	Testing / Samples
0.00	0.40	MADE GROUND: Dark brown silty, very sandy TOPSOIL.		
0.40	0.80	Reddish brown clayey fine to coarse SAND with much gravel.		
0.80	1.20	Very stiff reddish brown sandy, gravelly CLAY.		
1.20	1.60	Light brown and reddish brown silty, sandy CLAY with wet sand bands.		
1.60	3.70	Stiff grey sandy, very gravelly CLAY.		
Log Notes: Hand dug before drilling. Cased to 2.00m. End of borehole due to refusal. Water seepage at 1.30m. SWL at 3.50m on completion. Borehole installed with 3.00m slotted/0.70m plain pipe/gas bung/steel cover.				
Site: Keekle Rise, Cleator Moor, Cumbria Engineer: GE Site Works Date: 17/03/2022 Plant: Dando Terrier Superheavy		Log Key: SPT = Standard Penetration test (result as N value) HSV = Hand Shear Vane (result in kN/m ²) CBR = California Bearing Ratio by Mexe Cone Penetrometer (result as percentage) LP = Limited Penetration (HSV/CBR) NP = No penetration (HSV/CBR) B = Bulk Bag, J = Amber Glass Jar, T = Plastic Tub		

GEO2022-5256 Keekle Meadows, Cleator Moor.

Site Works Photographs



BH01



BH01



BH02



BH02



BH03



BH03

GEO2021-5256: Keekle Meadows - Groundwater Monitoring Results

1. Date:	BH Location	Standing Water Level (m bgl)	Base of Well (m bgl)	Water Level (OS)
17/03/2022	BH01	1.80	4.00	77.70
	BH02	2.45	4.00	77.43
	BH03	3.50	3.70	77.07
Notes:	'Standing Water Level' - water level recorded upon completion of drilling (m bgl).			

2. Date:	BH Location	Water Level (m bgl)	Base of Well (m bgl)	Water Level (OS)
16/05/2022	BH01	1.65	4.00	77.65
	BH02	1.85	4.00	77.55
	BH03	NM	3.70	77.62
Notes:	BH03 Unavailable (buried).			

3. Date:	BH Location	Water Level (m bgl)	Base of Well (m bgl)	Water Level (OS)
14/07/2022	BH01	1.85	4.00	77.60
	BH02	1.45	3.80	77.48
	BH03	1.60	3.55	77.57
Notes:	BH02 and BH03 partially silted at base.			

4. Date:	BH Location	Water Level (m bgl)	Base of Well (m bgl)	Water Level (OS)
11/08/2022	BH01	1.85	4.00	77.65
	BH02	1.60	3.80	77.45
	BH03	1.52	3.55	77.57
Notes:	BH02 and BH03 partially silted at base.			

5. Date:	BH Location	Water Level (m bgl)	Base of Well (m bgl)	Water Level (OS)
19/12/2022	BH01	1.70	4.00	77.80
	BH02	1.50	3.80	77.78
	BH03	1.70	3.55	77.67
Notes:	During Period of heavy rainfall.			

6. Date:	BH Location	Water Level (m bgl)	Base of Well (m bgl)	Water Level (OS)
07/02/2023	BH01	1.70	4.00	77.75
	BH02	2.60	3.80	77.68
	BH03	1.60	3.55	77.57
Notes:	Following dry period.			



End of Report