




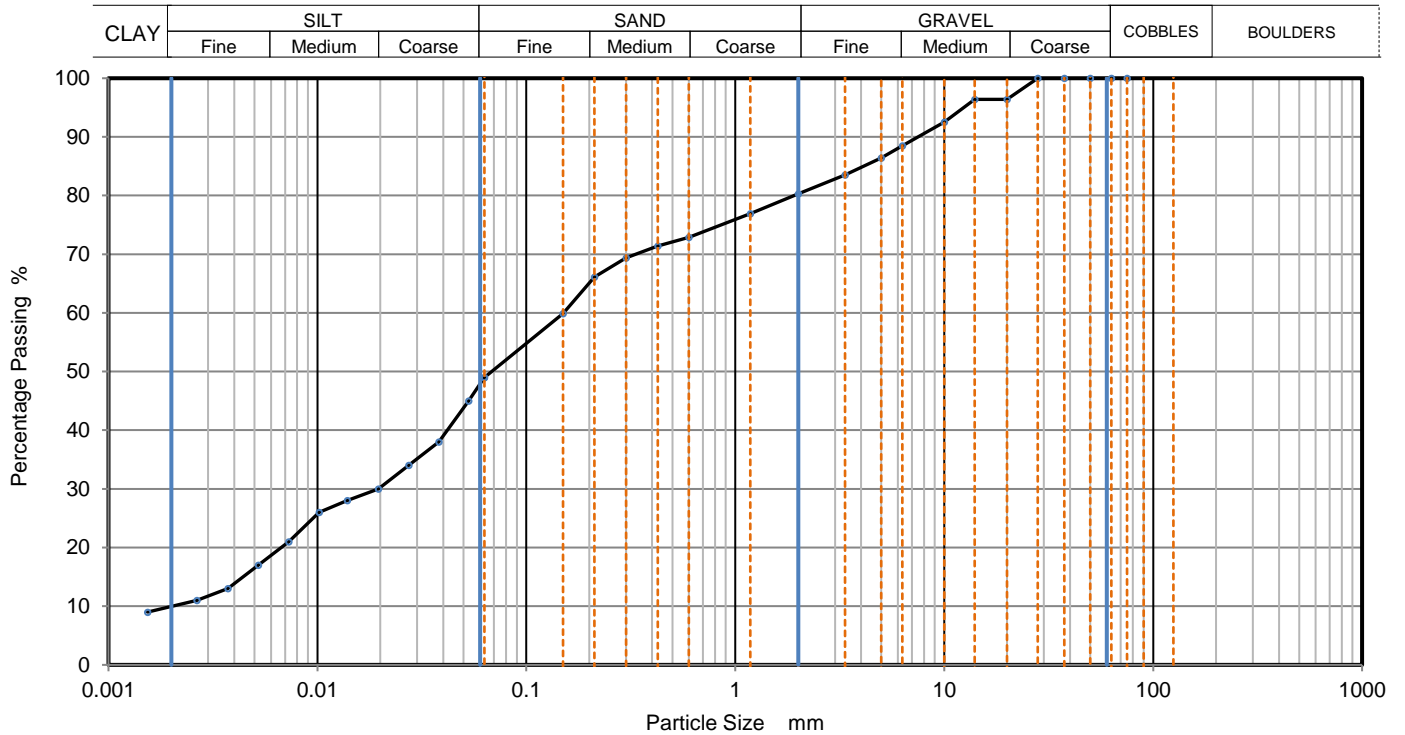
Summary of Classification Test Results

Hole No.	Sample					Soil Description	Density		w	Passing 425µm	LL	PL	PI	Particle density	Remarks
	Ref	Top	Base	Type			bulk	dry							
TP11	1	1.20	1.20	B		Reddish-brown slightly gravelly slightly sandy SILT.			12.0	71					
TP22	1	1.50	1.50	B		Reddish-brown very sandy very silty coarse GRAVEL.			8.6	38					

All tests performed in accordance with BS1377:1990 unless specified otherwise

Key w = water content, LL = Liquid Limit, PL = Plastic Limit, PI = Plasticity Index Density test Linear measurement unless : wd - water displacement wi - immersion in water	Liquid Limit	Particle density	Date Printed 15/06/2020 QC From No: R1	Approved By	Table 1 sheet 1
	4pt cone unless :	sp - small pyknometer			
	1pt - single point test	gj - gas jar			
	NP - Non Plastic				

	PARTICLE SIZE DISTRIBUTION		Job Ref	2020Lab102	
			Borehole/Pit No.	TP11	
Site Name	Lyrenacarraiga WF (HES)		Sample No.	1	
Soil Description	Reddish-brown slightly gravelly slightly sandy SILT.		Depth, m	1.20	
Specimen Reference		Specimen Depth	m	Sample Type	B
Test Method	BS1377:Part 2:1990, clauses 9.2 and 9.5		KeyLAB ID	TP11	



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
		0.0630	49
		0.0530	45
75	100	0.0382	38
63	100	0.0273	34
50	100	0.0195	30
37.5	100	0.0139	28
28	100	0.0102	26
20	96	0.0073	21
14	96	0.0052	17
10	93	0.0037	13
6.3	89	0.0027	11
5	86	0.0015	9
3.35	84		
2	80		
1.18	77		
0.6	73	Particle density (assumed)	
0.425	71	2.65	Mg/m ³
0.3	69		
0.212	66		
0.15	60		
0.063	49		

Dry Mass of sample, g

624

Sample Proportions	% dry mass
Very coarse	0
Gravel	20
Sand	31
Silt	40
Clay	10

Grading Analysis		
D100	mm	
D60	mm	0.151
D30	mm	0.0198
D10	mm	0.00224
Uniformity Coefficient		67
Curvature Coefficient		1.2

Remarks

Preparation and testing in accordance with BS1377 unless noted below

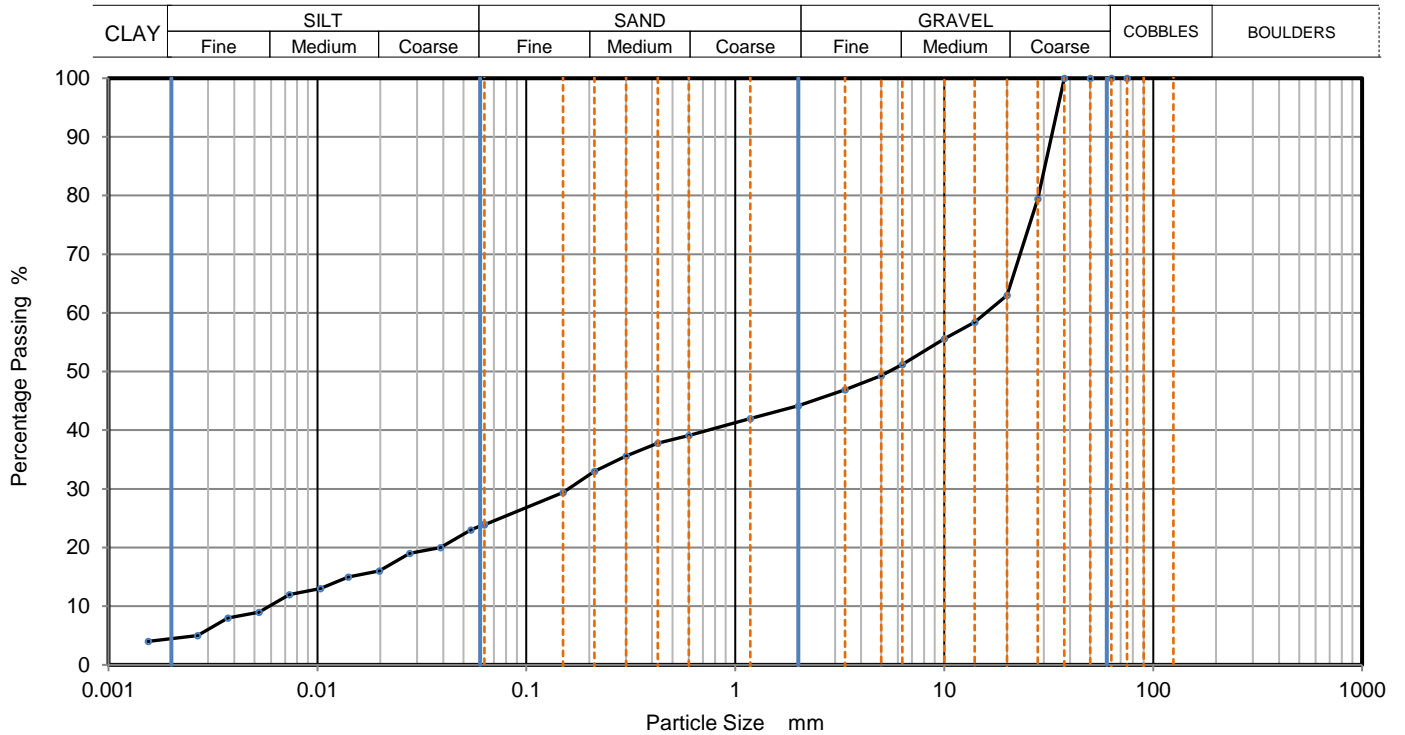
Operator	Checked	Approved	Sheet printed	1
		Dympna Darcy B.Sc.	15/06/2020 17:32	
				QC From No:R2



PARTICLE SIZE DISTRIBUTION

Job Ref	2020Lab102
Borehole/Pit No.	TP22
Sample No.	1
Depth, m	1.50
Sample Type	B
KeyLAB ID	IDL1202006150

Site Name	Lyrenacarraiga WF (HES)	
Soil Description	Reddish-brown very sandy very silty coarse GRAVEL.	
Specimen Reference	Specimen Depth	m
Test Method	BS1377:Part 2:1990, clauses 9.2 and 9.5	



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
		0.0630	24
		0.0543	23
75	100	0.0389	20
63	100	0.0276	19
50	100	0.0198	16
37.5	100	0.0141	15
28	79	0.0103	13
20	63	0.0073	12
14	58	0.0052	9
10	56	0.0037	8
6.3	51	0.0027	5
5	49	0.0015	4
3.35	47		
2	44		
1.18	42		
0.6	39	Particle density (assumed)	
0.425	38	2.65	Mg/m3
0.3	36		
0.212	33		
0.15	29		
0.063	24		

Dry Mass of sample, g 576

Sample Proportions	% dry mass
Very coarse	0
Gravel	56
Sand	20
Silt	19
Clay	5

Grading Analysis	
D100	mm
D60	mm 15.9
D30	mm 0.159
D10	mm 0.00574
Uniformity Coefficient	2800
Curvature Coefficient	0.28

Remarks
Preparation and testing in accordance with BS1377 unless noted below

Operator	Checked	Approved	Sheet printed	1
		Dympna Darcy B.Sc.	15/06/2020 17:32	
				QC From No:R2