

Appendix 2:
Particle size distribution
(PSD) results
(2015 and 2016 sediment
sampling surveys)

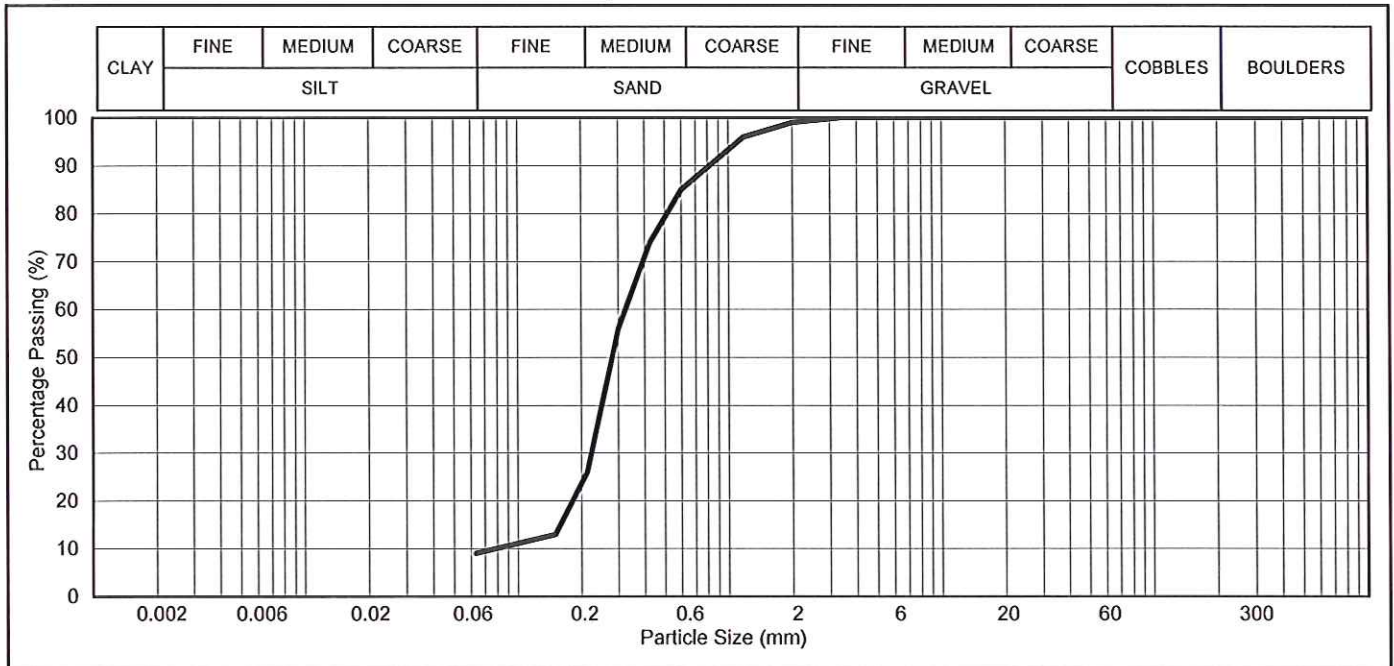
BOREHOLE	SAMPLE	DEPTH (m)	SAMPLE DESCRIPTION
-	001	-	Grey fine to coarse SAND.
-	002	-	Brown gravelly fine to coarse SAND with shell fragments and pockets of clay. Gravel is fine to coarse.
-	003	-	Dark greyish brown very clayey fine to coarse CRUSHED ROCK.
-	004	-	Dark grey fine to coarse SAND and fine to medium GRAVEL with shell fragments.
-	005	-	Brown slightly silty slightly gravelly fine to coarse SAND with shell fragments. Gravel is fine.
-	006	-	Brown slightly gravelly fine to coarse SAND with shell fragments. Gravel is fine.
-	007	-	Brown slightly gravelly fine to coarse SAND with shell fragments. Gravel is fine.
-	008	-	Grey slightly gravelly fine to coarse SAND. Gravel is fine.
-	010	-	Dark grey gravelly fine to coarse SAND. Gravel is fine to coarse.
-	012	-	Dark grey gravelly sandy CLAY. Gravel is fine to medium.
-	014	-	Dark grey slightly gravelly fine to coarse SAND. Gravel is fine.
-	016	-	Grey slightly gravelly fine to coarse SAND. Gravel is fine.
-	018	-	Grey fine to coarse SAND.
-	020	-	Dark grey slightly clayey fine to coarse SAND and fine to medium GRAVEL.
-	022	-	Dark grey fine to coarse SAND and fine to medium GRAVEL.
-	025	-	Brown fine to coarse SAND.
-	026	-	Brown fine to coarse SAND.
-	027	-	Brown slightly gravelly fine to coarse SAND. Gravel is fine.
-	028	-	Brown fine to coarse SAND.
-	030	-	Dark brown silty clayey fine to coarse SAND.
-	032	-	Dark grey slightly gravelly fine to coarse SAND. Gravel is fine.
-	034	-	Dark brown fine to coarse SAND.
-	035	-	Grey gravelly fine to coarse SAND with shell fragments. Gravel is fine.

SUMMARY OF SAMPLE DESCRIPTIONS

BOREHOLE	SAMPLE	DEPTH (m)	SAMPLE DESCRIPTION
-	037	-	Dark grey gravelly fine to coarse SAND. Gravel is fine.
-	039	-	Brown fine to coarse SAND.
-	041	-	Brown fine to coarse SAND.
-	042	-	Greyish brown slightly gravelly fine to coarse SAND. Gravel is fine.
-	043	-	Brown fine to coarse SAND.
-	044	-	Brown fine to coarse SAND with shell fragments.
-	045	-	Brown slightly gravelly fine to coarse SAND. Gravel is fine.
-	047	-	Brown slightly gravelly fine to coarse SAND. Gravel is fine.
-	049	-	Brown slightly gravelly fine to coarse SAND. Gravel is fine.
-	051	-	Brown fine to coarse SAND.
-	052	-	Dark greyish brown clayey slightly gravelly fine to coarse SAND with pockets of clay. Gravel is fine.
-	054	-	Dark greyish brown gravelly fine to coarse SAND with shell fragments. Gravel is fine.
-	056	-	Brown gravelly sandy CLAY. Gravel is fine to coarse.
-	058	-	Grey slightly gravelly fine to coarse SAND. Gravel is fine.
-	060	-	Brown gravelly sandy CLAY. Gravel is fine to medium.
-	062	-	Dark grey slightly gravelly fine to coarse SAND. Gravel is fine.
-	064	-	Brown fine to coarse SAND and GRAVEL.
-	066	-	Brown gravelly fine to coarse SAND. Gravel is fine to medium.

SUMMARY OF SAMPLE DESCRIPTIONS

Borehole	- VC 09
Sample	062
Depth (m) CD	- 5.50m

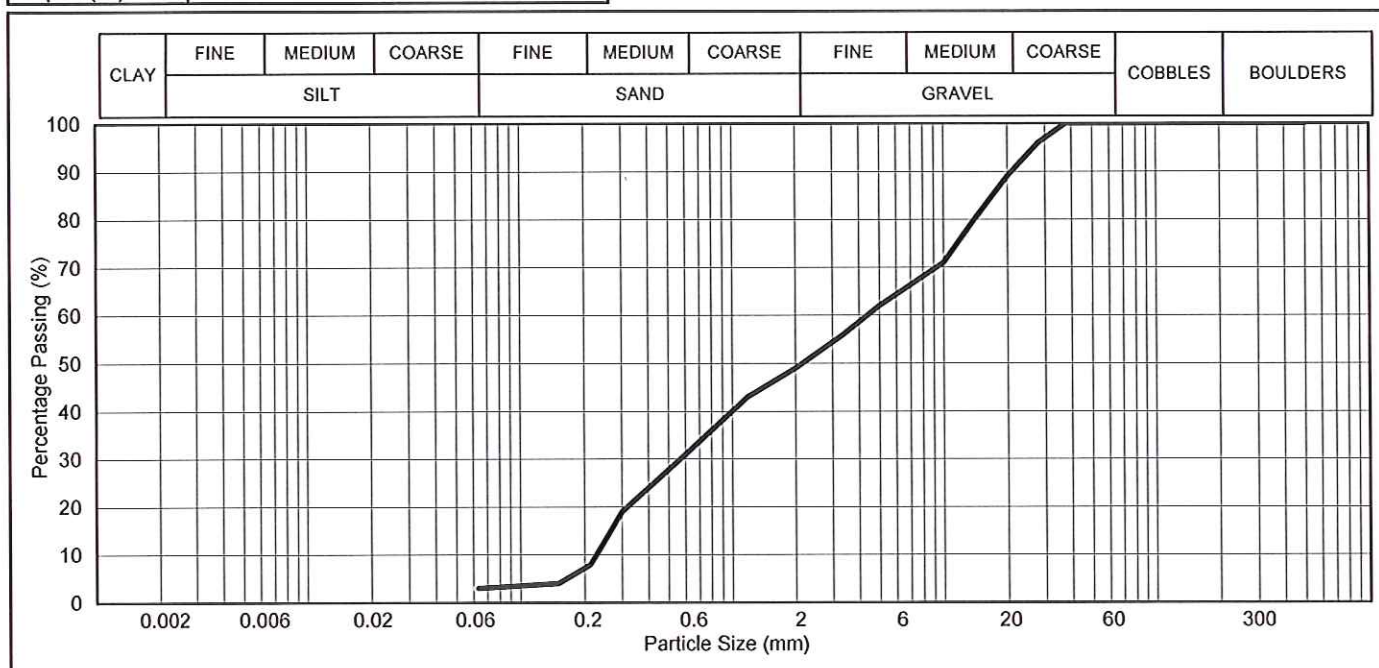


SIEVING				SEDIMENTATION				
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)			Percentage Passing (%)	
		Not Applicable						
		Lower %	Upper %					
500.0	100	-	-	0.020				
300.0	100	-	-	0.006				
125.0	100	-	-	0.002				
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)				
75.0	100	-	-					
63.0	100	-	-					
50.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.				
37.5	100	-	-					
28.0	100	-	-					
20.0	100	-	-					
14.0	100	-	-					
10.0	100	-	-	PERCENTAGE SOIL TYPES				
6.30	100	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES
5.00	100	-	-					
3.35	100	-	-	/	9	90	1	0
2.00	99	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
1.18	96	-	-					
0.600	85	-	-	D10	D60	Specification		
0.425	74	-	-					
0.300	56	-	-	-	-			
0.212	26	-	-	UNIFORMITY COEFFICIENT				-
0.150	13	-	-					
0.063	9	-	-					

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VCO9
Sample	064
Depth (m) c/d	- 6.50m

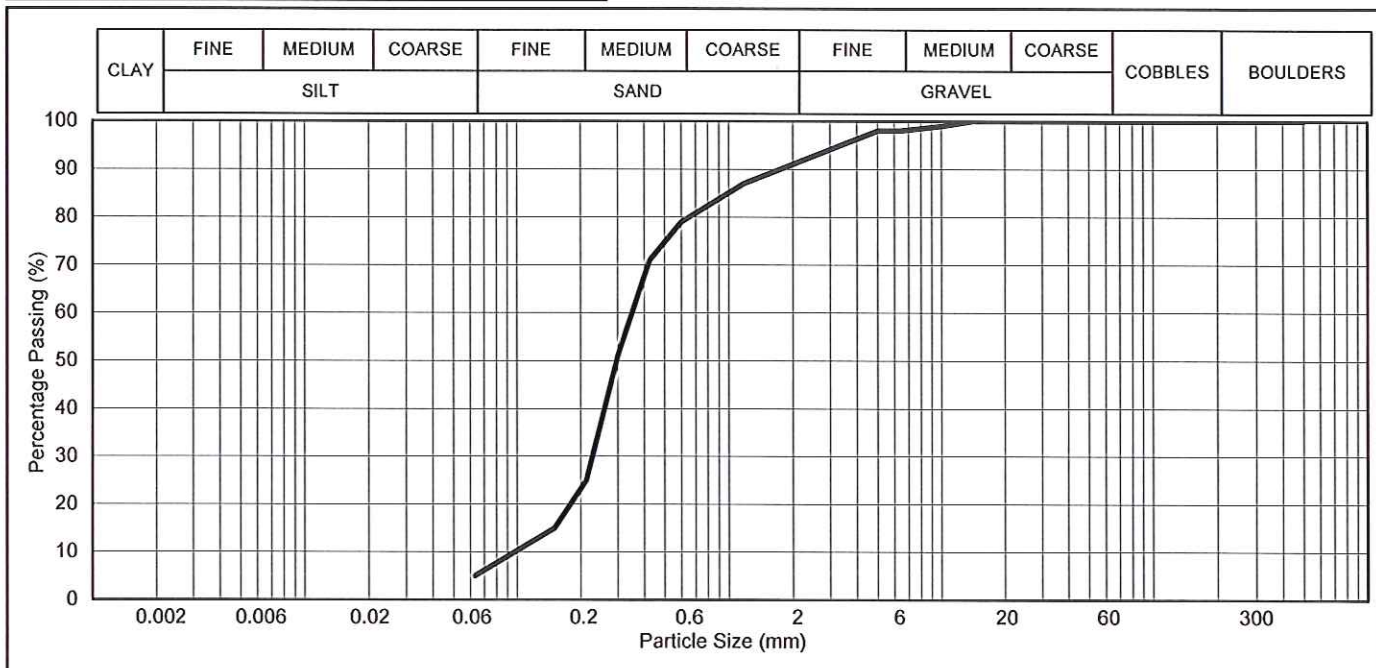


SIEVING				SEDIMENTATION					
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)			Percentage Passing (%)		
		Not Applicable							
		Lower %	Upper %						
500.0	100	-	-	0.020					
300.0	100	-	-	0.006					
125.0	100	-	-	0.002					
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)					
75.0	100	-	-						
63.0	100	-	-						
50.0	100	-	-						
37.5	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					
28.0	96	-	-						
20.0	89	-	-						
14.0	80	-	-						
10.0	71	-	-	PERCENTAGE SOIL TYPES					
6.30	65	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES	
5.00	62	-	-	/	3	46	51	0	
3.35	56	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)					
2.00	49	-	-						
1.18	43	-	-						
0.600	31	-	-						
0.425	25	-	-	D10		D60		Specification	
0.300	19	-	-	-		-			
0.212	8	-	-	UNIFORMITY COEFFICIENT				-	-
0.150	4	-	-						
0.063	3	-	-						

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns
Sample does not meet minimum mass requirement for material type

Borehole	-	VC09
Sample	066	
Depth (m) CD	-	7.50m

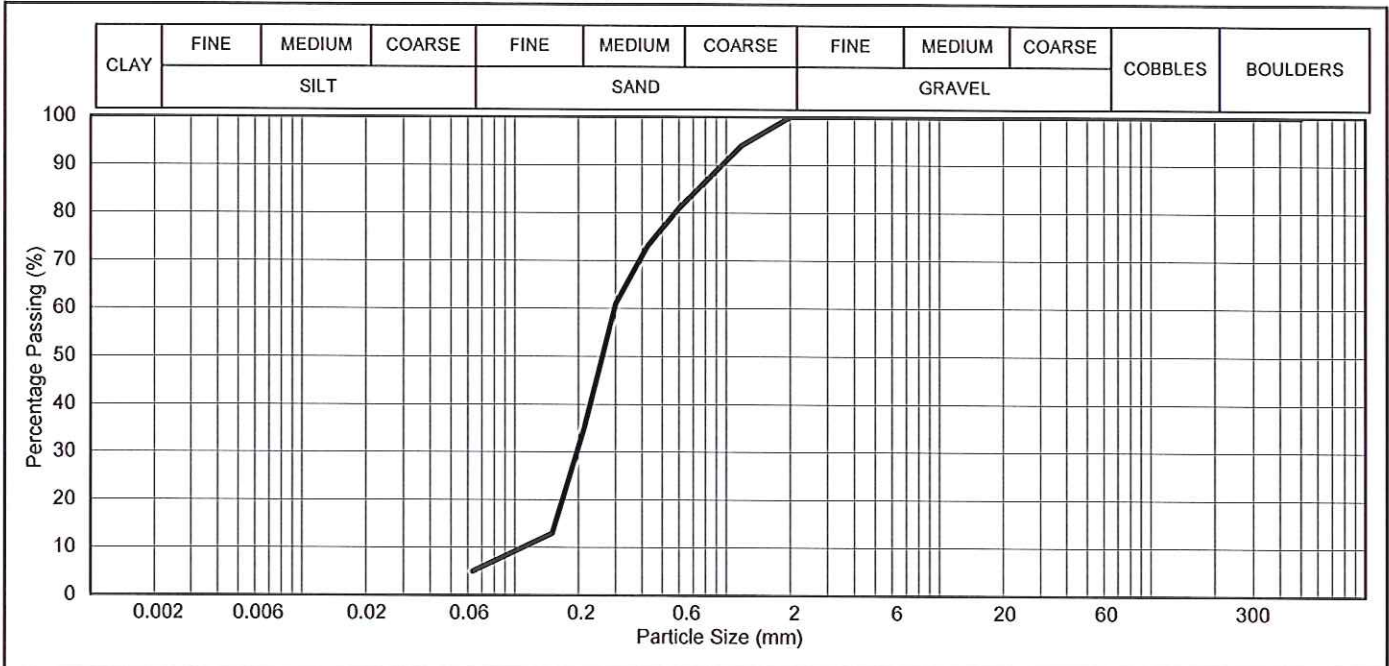


SIEVING				SEDIMENTATION					
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)		Percentage Passing (%)			
		Not Applicable							
		Lower %	Upper %						
500.0	100	-	-	0.020					
300.0	100	-	-	0.006					
125.0	100	-	-	0.002					
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)					
75.0	100	-	-						
63.0	100	-	-						
50.0	100	-	-						
37.5	100	-	-						
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					
20.0	100	-	-						
14.0	100	-	-						
10.0	99	-	-						
6.30	98	-	-	PERCENTAGE SOIL TYPES					
5.00	98	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES	
3.35	95	-	-	/	5	86	9	0	
2.00	91	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)					
1.18	87	-	-						
0.600	79	-	-						
0.425	71	-	-	D10	D60		Specification		
0.300	51	-	-	-	-				
0.212	25	-	-	UNIFORMITY COEFFICIENT				-	-
0.150	15	-	-						
0.063	5	-	-						

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC 11
Sample	028
Depth (m) CD	- 2.50m

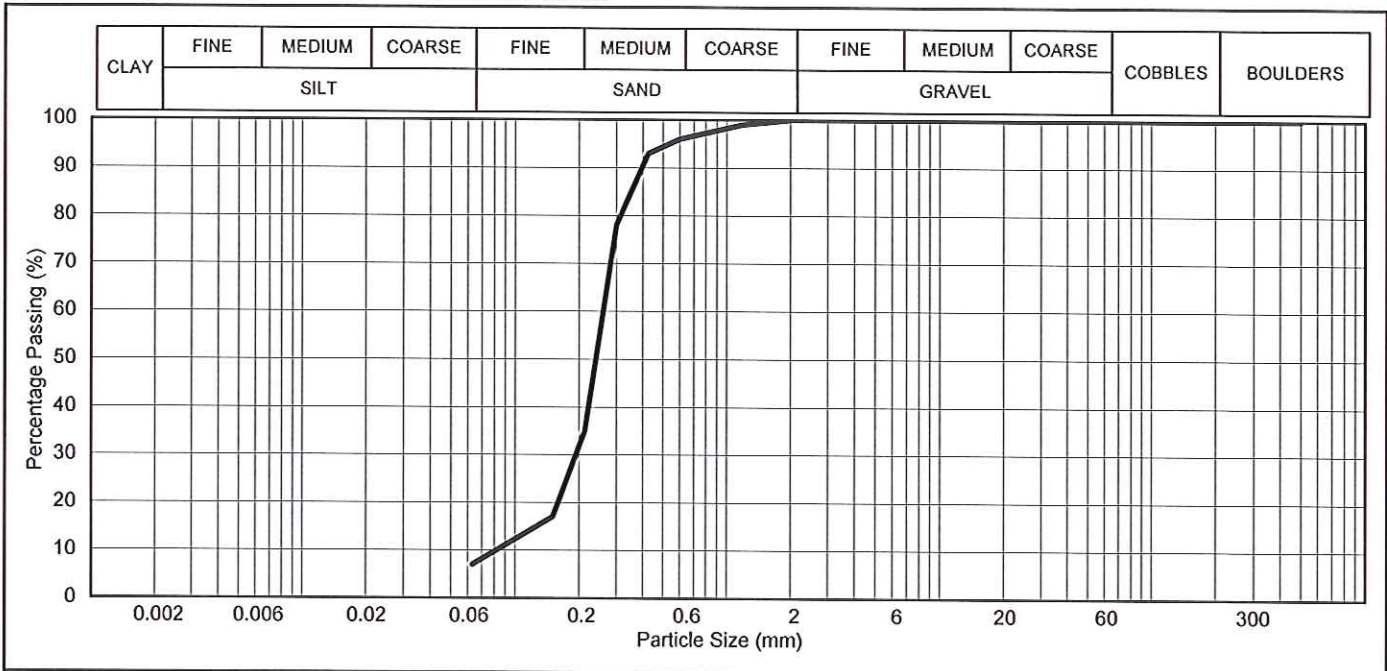


SIEVING				SEDIMENTATION				
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)			
		Not Applicable						
		Lower %	Upper %					
500.0	100	-	-	0.020				
300.0	100	-	-	0.006				
125.0	100	-	-	0.002				
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)				
75.0	100	-	-					
63.0	100	-	-					
50.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.				
37.5	100	-	-					
28.0	100	-	-					
20.0	100	-	-					
14.0	100	-	-					
10.0	100	-	-	PERCENTAGE SOIL TYPES				
6.30	100	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES
5.00	100	-	-	/	5	95	0	0
3.35	100	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
2.00	100	-	-					
1.18	94	-	-					
0.600	81	-	-	D10		D60		Specification
0.425	73	-	-	-		-		
0.300	61	-	-	UNIFORMITY COEFFICIENT				
0.212	35	-	-					
0.150	13	-	-					
0.063	5	-	-					

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC 15
Sample	001
Depth (m) ϕ D	- 3.00m

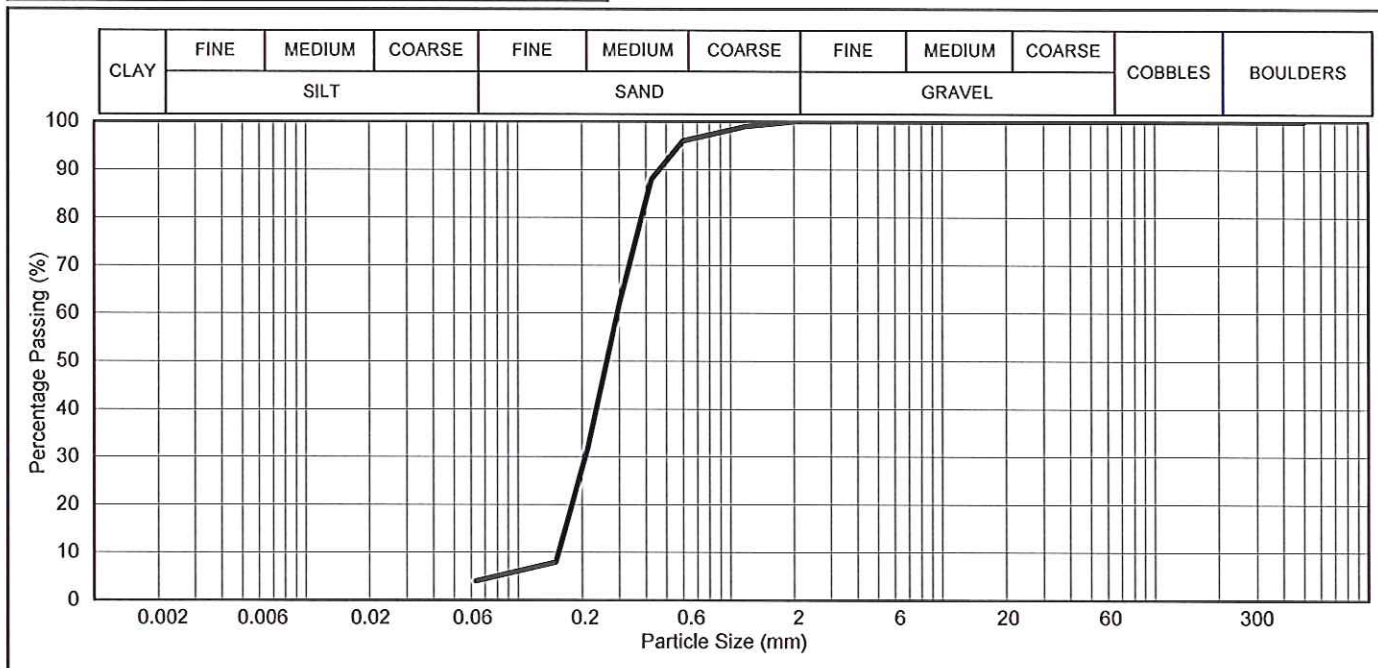


SIEVING				SEDIMENTATION					
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)			Percentage Passing (%)		
		Not Applicable							
		Lower %	Upper %						
500.0	100	-	-	0.020					
300.0	100	-	-	0.006					
125.0	100	-	-	0.002					
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)					
75.0	100	-	-						
63.0	100	-	-						
50.0	100	-	-						
37.5	100	-	-						
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					
20.0	100	-	-						
14.0	100	-	-						
10.0	100	-	-						
6.30	100	-	-						
5.00	100	-	-	PERCENTAGE SOIL TYPES					
3.35	100	-	-						
2.00	100	-	-	CLAY	SILT ƒ	SAND	GRAVEL	COBBLES	
1.18	99	-	-	/	7	93	0	0	
0.600	96	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)					
0.425	93	-	-						
0.300	78	-	-	D10			D60		Specification
0.212	35	-	-	-			-		
0.150	17	-	-	UNIFORMITY COEFFICIENT					-
0.063	7	-	-						

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC18
Sample	051
Depth (m) CD	- 2.00m

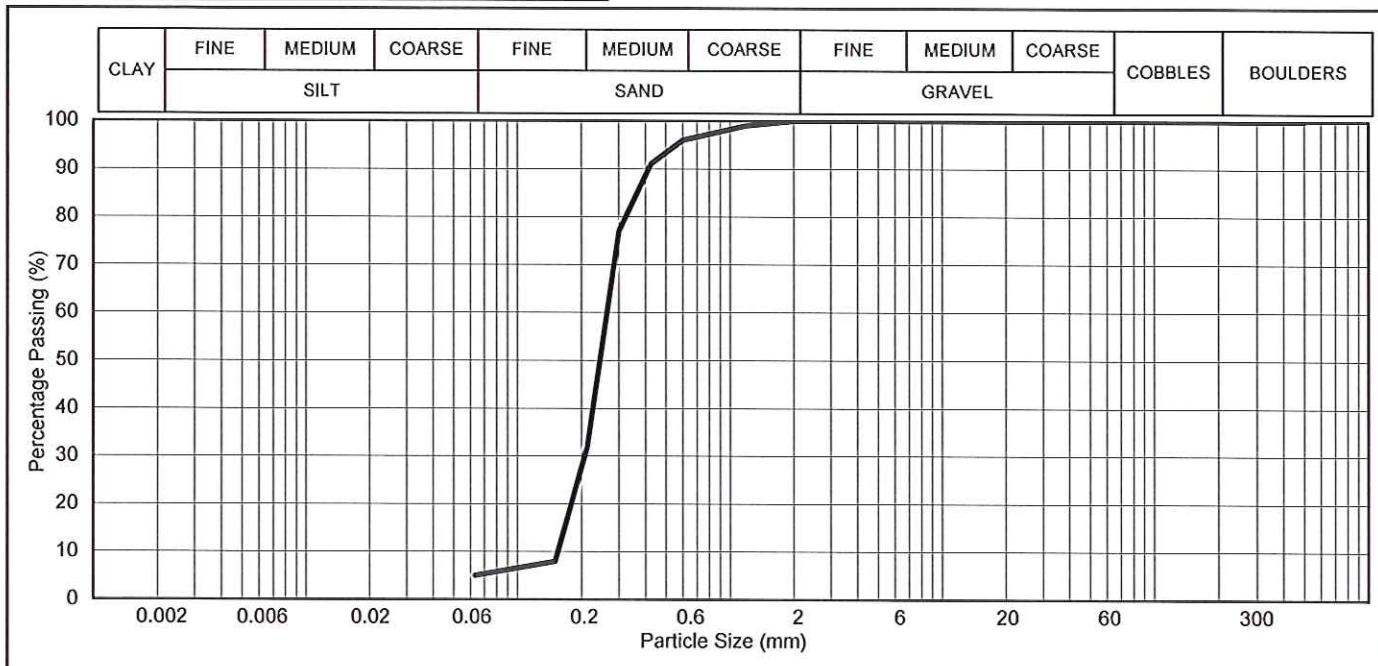


SIEVING				SEDIMENTATION					
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)			Percentage Passing (%)		
		Not Applicable							
		Lower %	Upper %						
500.0	100	-	-	0.020					
300.0	100	-	-	0.006					
125.0	100	-	-	0.002					
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)					
75.0	100	-	-						
63.0	100	-	-						
50.0	100	-	-						
37.5	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					
28.0	100	-	-						
20.0	100	-	-						
14.0	100	-	-						
10.0	100	-	-	PERCENTAGE SOIL TYPES					
6.30	100	-	-	CLAY	SILT ƒ	SAND	GRAVEL	COBBLES	
5.00	100	-	-	/	4	96	0	0	
3.35	100	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)					
2.00	100	-	-						
1.18	99	-	-						
0.600	96	-	-						
0.425	88	-	-	D10	D60		Specification		
0.300	62	-	-	-	-				
0.212	32	-	-	UNIFORMITY COEFFICIENT				-	-
0.150	8	-	-						
0.063	4	-	-						

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC19
Sample	025
Depth (m) CD	- 3.00m

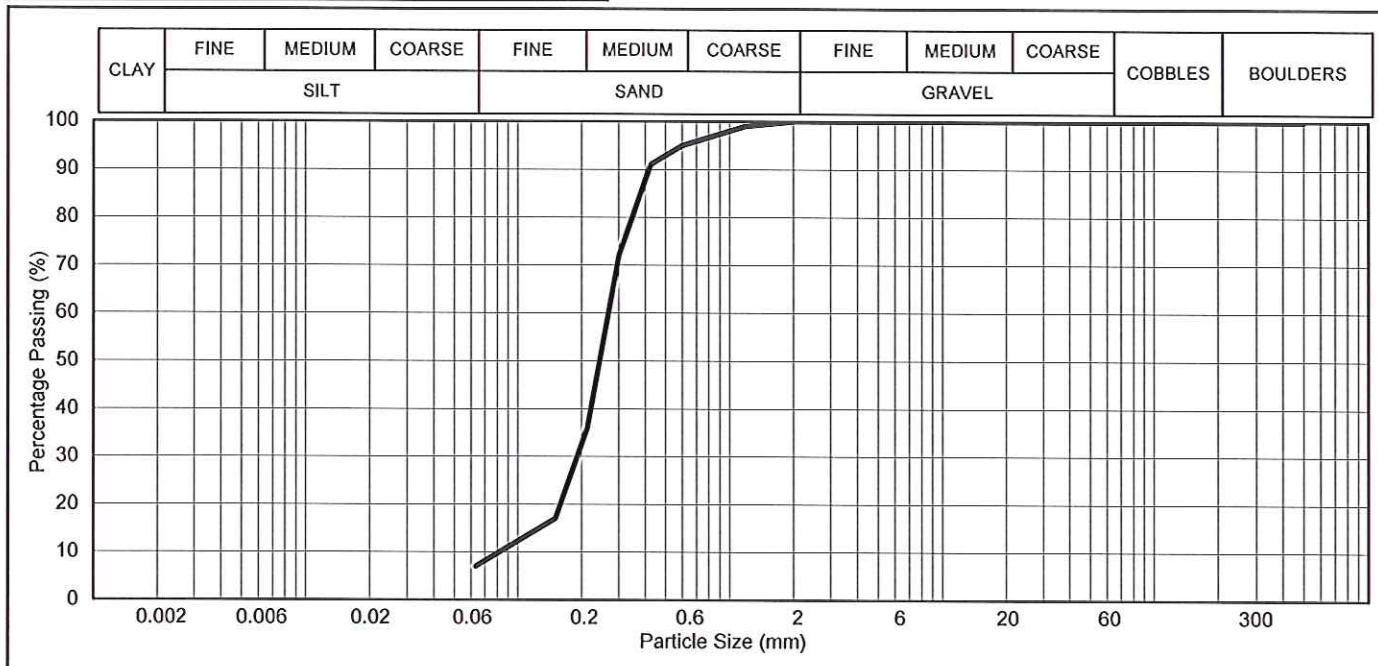


SIEVING				SEDIMENTATION					
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)		Percentage Passing (%)			
		Not Applicable							
		Lower %	Upper %						
500.0	100	-	-	0.020					
300.0	100	-	-	0.006					
125.0	100	-	-	0.002					
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)					
75.0	100	-	-						
63.0	100	-	-						
50.0	100	-	-						
37.5	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					
28.0	100	-	-						
20.0	100	-	-						
14.0	100	-	-						
10.0	100	-	-	PERCENTAGE SOIL TYPES					
6.30	100	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES	
5.00	100	-	-	/	5	95	0	0	
3.35	100	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)					
2.00	100	-	-						
1.18	99	-	-						
0.600	96	-	-						
0.425	91	-	-	D10	D60		Specification		
0.300	77	-	-	-	-				
0.212	32	-	-	UNIFORMITY COEFFICIENT				-	
0.150	8	-	-						
0.063	5	-	-						

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC 19
Sample	026
Depth (m) CD	- 4.50m

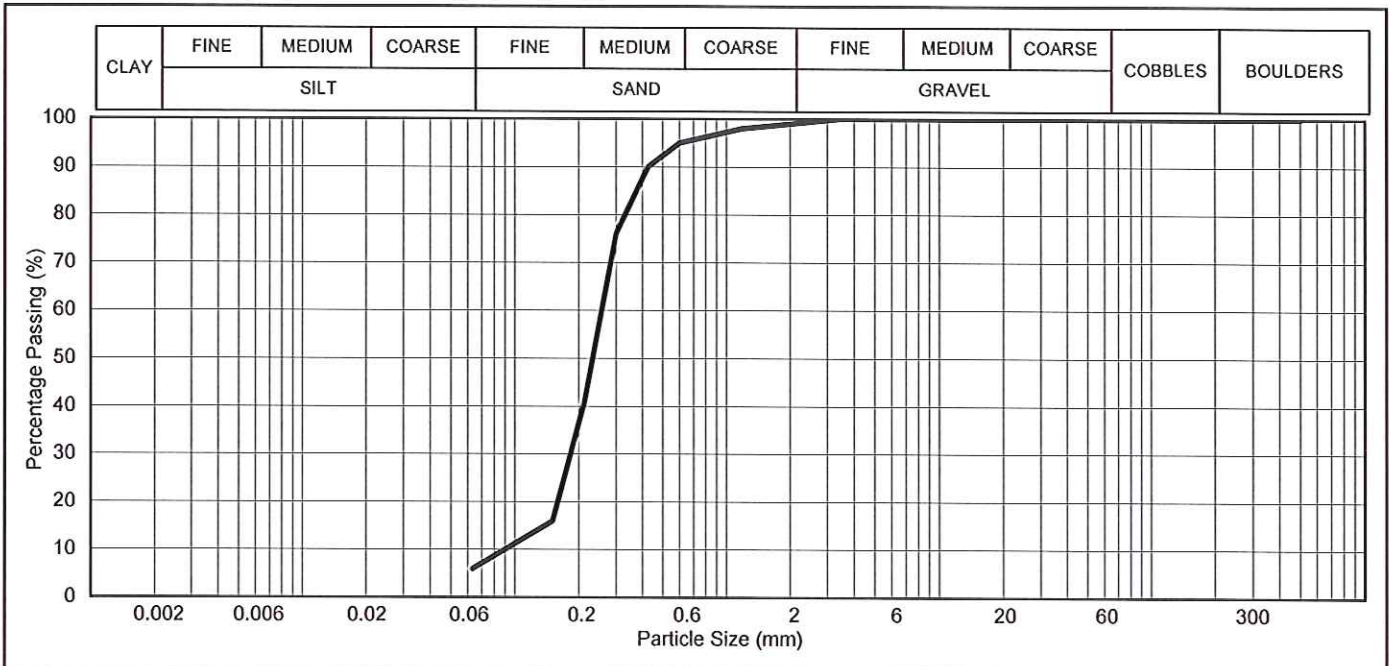


SIEVING				SEDIMENTATION				
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)			Percentage Passing (%)	
		Not Applicable						
		Lower %	Upper %					
500.0	100	-	-	0.020				
300.0	100	-	-	0.006				
125.0	100	-	-	0.002				
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)				
75.0	100	-	-					
63.0	100	-	-					
50.0	100	-	-					
37.5	100	-	-					
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.				
20.0	100	-	-					
14.0	100	-	-					
10.0	100	-	-	PERCENTAGE SOIL TYPES				
6.30	100	-	-					
5.00	100	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES
3.35	100	-	-	/	7	93	0	0
2.00	100	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
1.18	99	-	-					
0.600	95	-	-	D10		D60		Specification
0.425	91	-	-	-		-		
0.300	72	-	-	UNIFORMITY COEFFICIENT				-
0.212	36	-	-					
0.150	17	-	-					
0.063	7	-	-					

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC19
Sample	027
Depth (m) \pm 0	- 6.50m

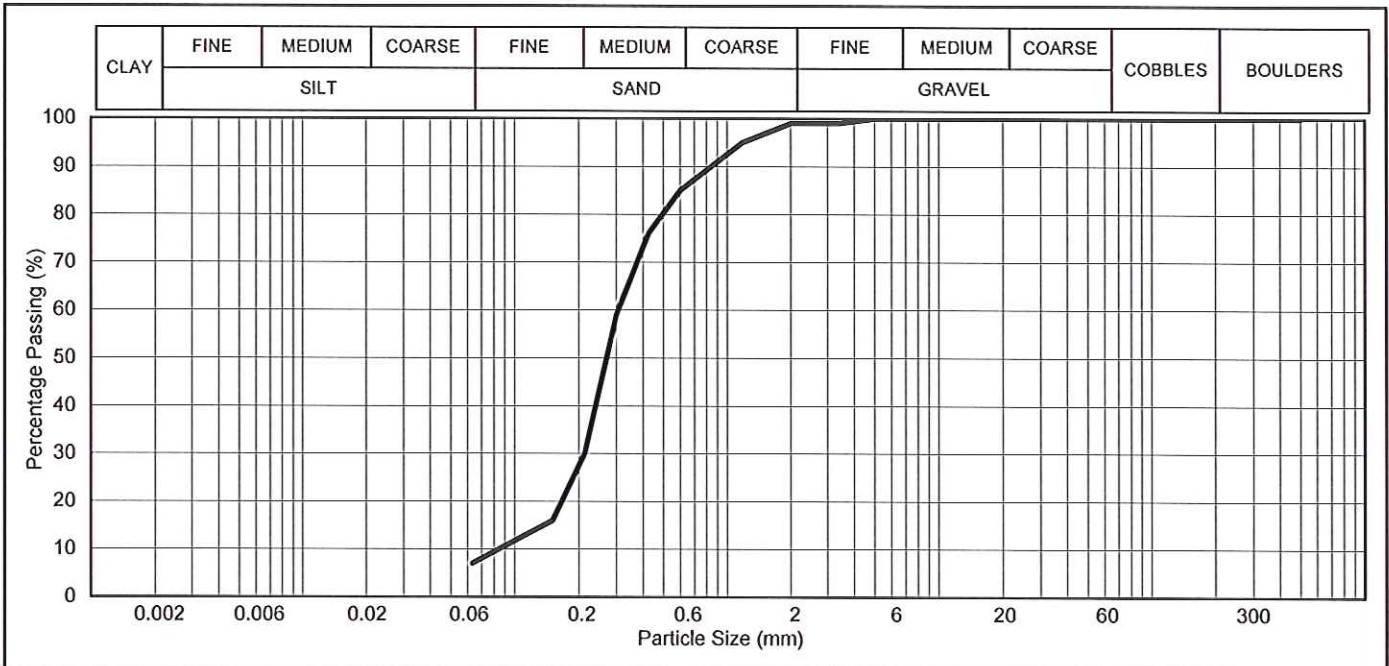


SIEVING				SEDIMENTATION				
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)		Percentage Passing (%)		
		Not Applicable						
		Lower %	Upper %					
500.0	100	-	-	0.020				
300.0	100	-	-	0.006				
125.0	100	-	-	0.002				
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)				
75.0	100	-	-					
63.0	100	-	-					
50.0	100	-	-					
37.5	100	-	-					
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.				
20.0	100	-	-					
14.0	100	-	-					
10.0	100	-	-					
6.30	100	-	-	PERCENTAGE SOIL TYPES				
5.00	100	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES
3.35	100	-	-	/	6	93	1	0
2.00	99	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
1.18	98	-	-					
0.600	95	-	-					
0.425	90	-	-	D10		D60		Specification
0.300	76	-	-	-		-		
0.212	41	-	-	UNIFORMITY COEFFICIENT				-
0.150	16	-	-					
0.063	6	-	-					

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC20
Sample	058
Depth (m) CD	- 5.00M

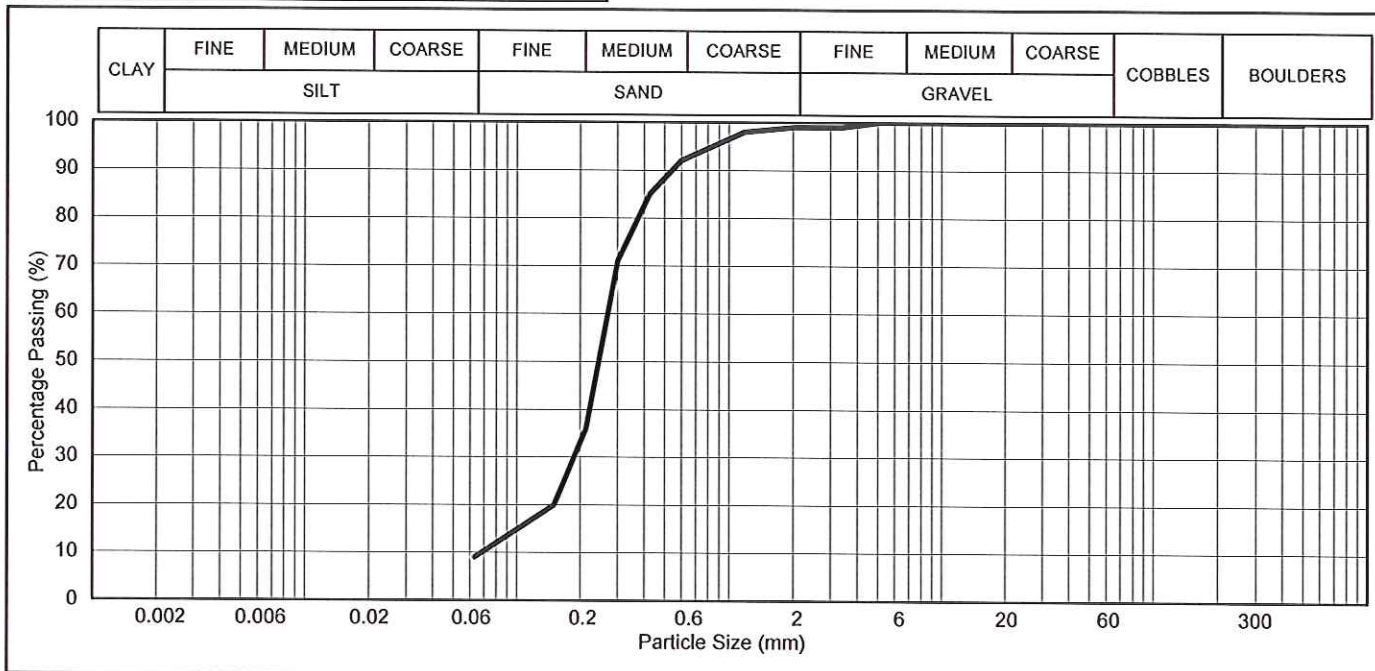


SIEVING				SEDIMENTATION	
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)
		Lower %	Upper %		
500.0	100	-	-	0.020	
300.0	100	-	-	0.006	
125.0	100	-	-	0.002	
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)	
75.0	100	-	-		
63.0	100	-	-		
50.0	100	-	-		
37.5	100	-	-		
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.	
20.0	100	-	-		
14.0	100	-	-		
10.0	100	-	-		
6.30	100	-	-	PERCENTAGE SOIL TYPES	
5.00	100	-	-		
3.35	99	-	-		
2.00	99	-	-		
1.18	95	-	-		
0.600	85	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)	
0.425	76	-	-		
0.300	59	-	-		
0.212	30	-	-		
0.150	16	-	-		
0.063	7	-	-	UNIFORMITY COEFFICIENT	

Remarks

† Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC 21
Sample	008
Depth (m) CD	- 6.00m



SIEVING				SEDIMENTATION					
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)				
		Not Applicable							
		Lower %	Upper %						
500.0	100	-	-	0.020					
300.0	100	-	-	0.006					
125.0	100	-	-	0.002					
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)					
75.0	100	-	-						
63.0	100	-	-						
50.0	100	-	-						
37.5	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					
28.0	100	-	-						
20.0	100	-	-						
14.0	100	-	-						
10.0	100	-	-	PERCENTAGE SOIL TYPES					
6.30	100	-	-	CLAY	SILT ƒ	SAND	GRAVEL	COBBLES	
5.00	100	-	-						
3.35	99	-	-	/	9	90	1	0	
2.00	99	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)					
1.18	98	-	-						
0.600	92	-	-						
0.425	85	-	-	D10	D60		Specification		
0.300	71	-	-	-					
0.212	36	-	-	UNIFORMITY COEFFICIENT					-
0.150	20	-	-						-
0.063	9	-	-						

Remarks

† Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Percentage Passing (%)

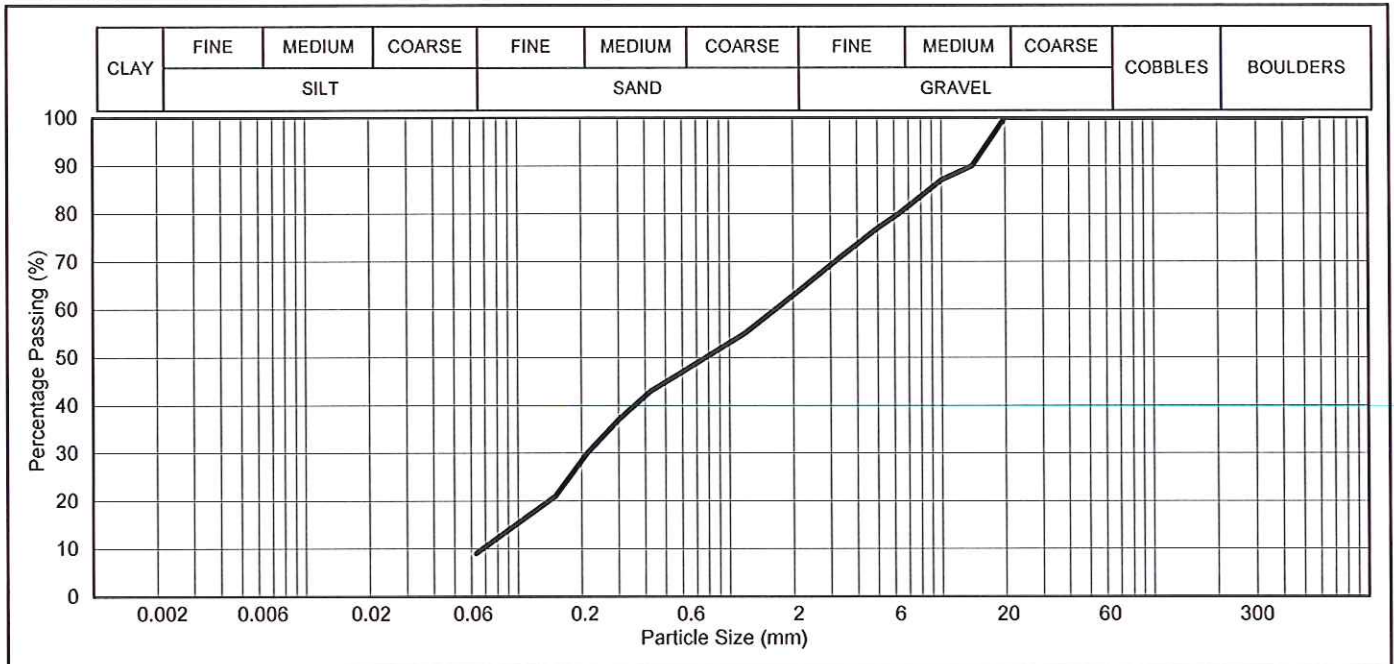
Particle Size (mm)

Particle Size (mm)	Percentage Passing (%)
0.002	15
0.006	25
0.02	32
0.06	40
0.2	45
0.6	70
2	85
6	95
20	100

Remarks

Produced by Scientific Analysis Laboratory Ltd. 16 Mulholland Place, Killybegs, South Business Park, Carrilbridge, Co. Wick. Ireland. Tel: 046 907 2045

Borehole	- VC 22
Sample	020
Depth (m) CD	- 8.00m

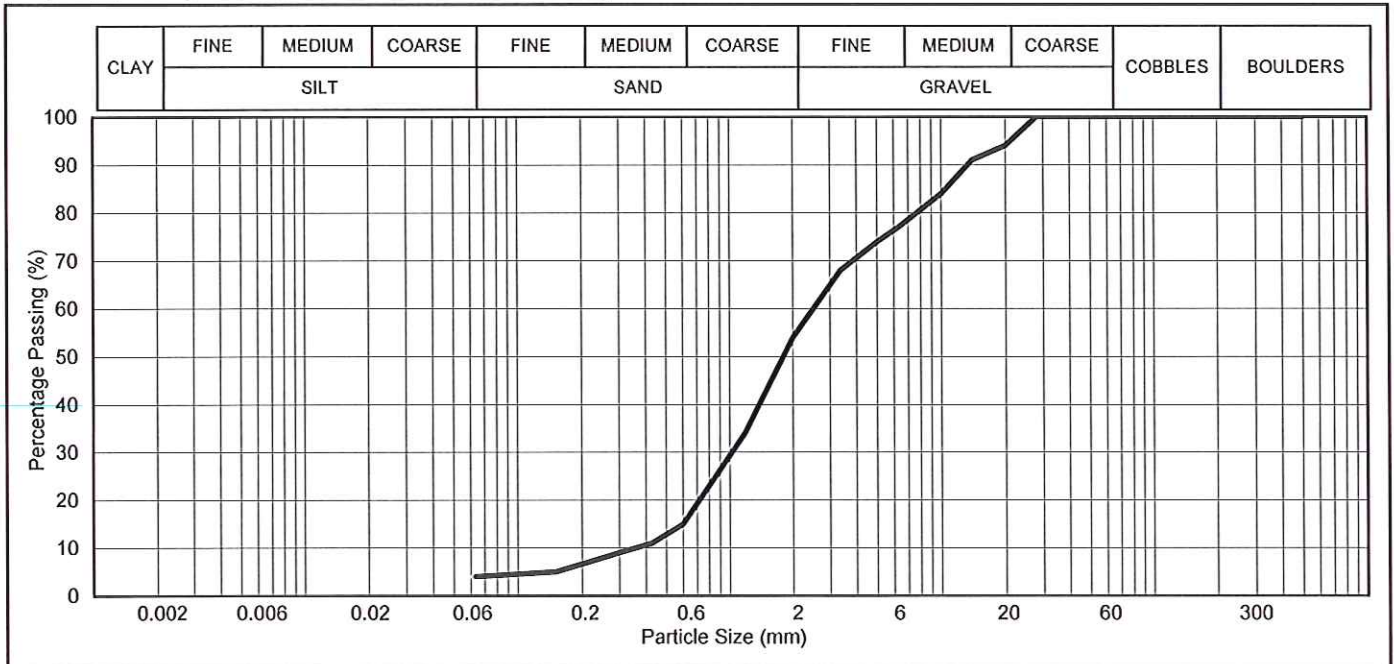


SIEVING				SEDIMENTATION					
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)			Percentage Passing (%)		
		Not Applicable							
		Lower %	Upper %						
500.0	100	-	-	0.020					
300.0	100	-	-	0.006					
125.0	100	-	-	0.002					
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)					
75.0	100	-	-						
63.0	100	-	-						
50.0	100	-	-						
37.5	100	-	-						
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					
20.0	100	-	-						
14.0	90	-	-						
10.0	87	-	-	PERCENTAGE SOIL TYPES					
6.30	80	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES	
5.00	77	-	-						
3.35	71	-	-	/	9	54	37	0	
2.00	63	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)					
1.18	55	-	-						
0.600	47	-	-						
0.425	43	-	-	D10	D60		Specification		
0.300	37	-	-	-	-				
0.212	30	-	-	UNIFORMITY COEFFICIENT				-	
0.150	21	-	-						
0.063	9	-	-						

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC22
Sample	022
Depth (m) <i>cd</i>	- 3.00m

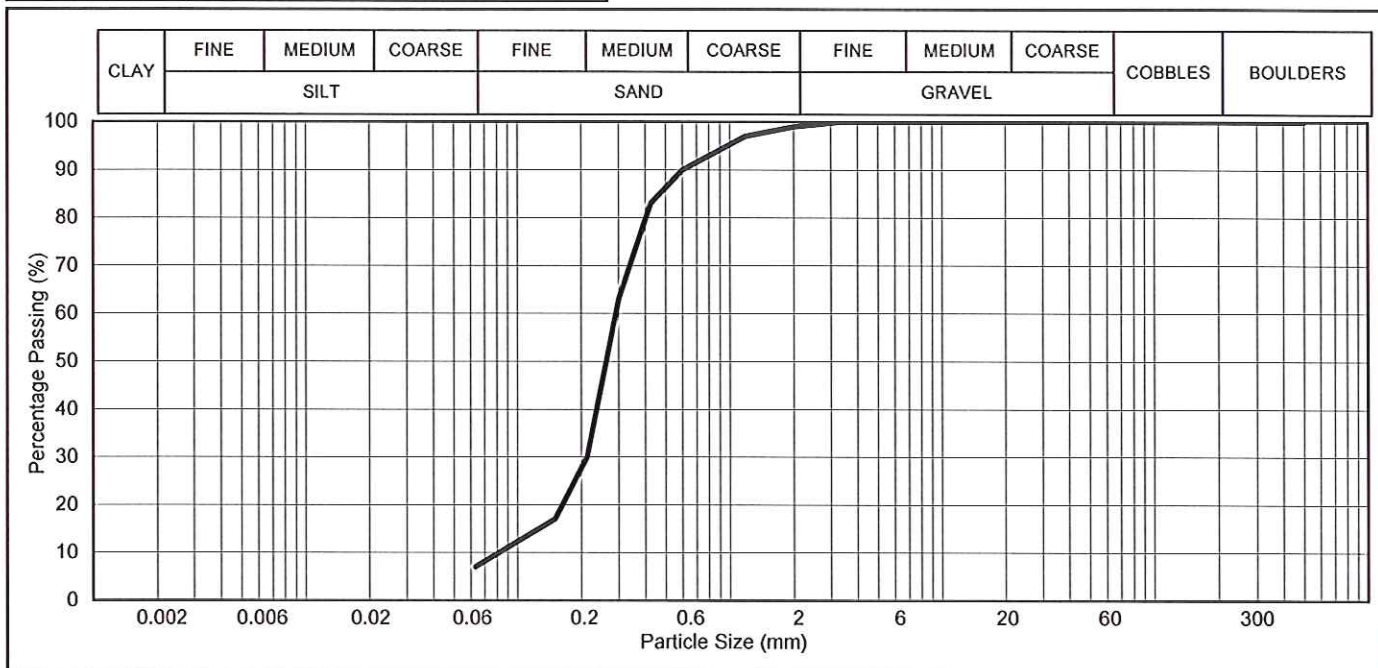


SIEVING				SEDIMENTATION				
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)			
		Not Applicable						
		Lower %	Upper %					
500.0	100	-	-	0.020				
300.0	100	-	-	0.006				
125.0	100	-	-	0.002				
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)				
75.0	100	-	-					
63.0	100	-	-	-				
50.0	100	-	-					
37.5	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.				
28.0	100	-	-					
20.0	94	-	-	PERCENTAGE SOIL TYPES				
14.0	91	-	-					
10.0	84	-	-	CLAY SILT ƒ SAND GRAVEL COBBLES				
6.30	77	-	-					
5.00	74	-	-	/ 4 50 46 0				
3.35	68	-	-					
2.00	54	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
1.18	34	-	-					
0.600	15	-	-	D10		D60		Specification
0.425	11	-	-					
0.300	9	-	-	-		-		UNIFORMITY COEFFICIENT - -
0.212	7	-	-					
0.150	5	-	-					
0.063	4	-	-					

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC 23
Sample	005
Depth (m) CD	- 8.80m

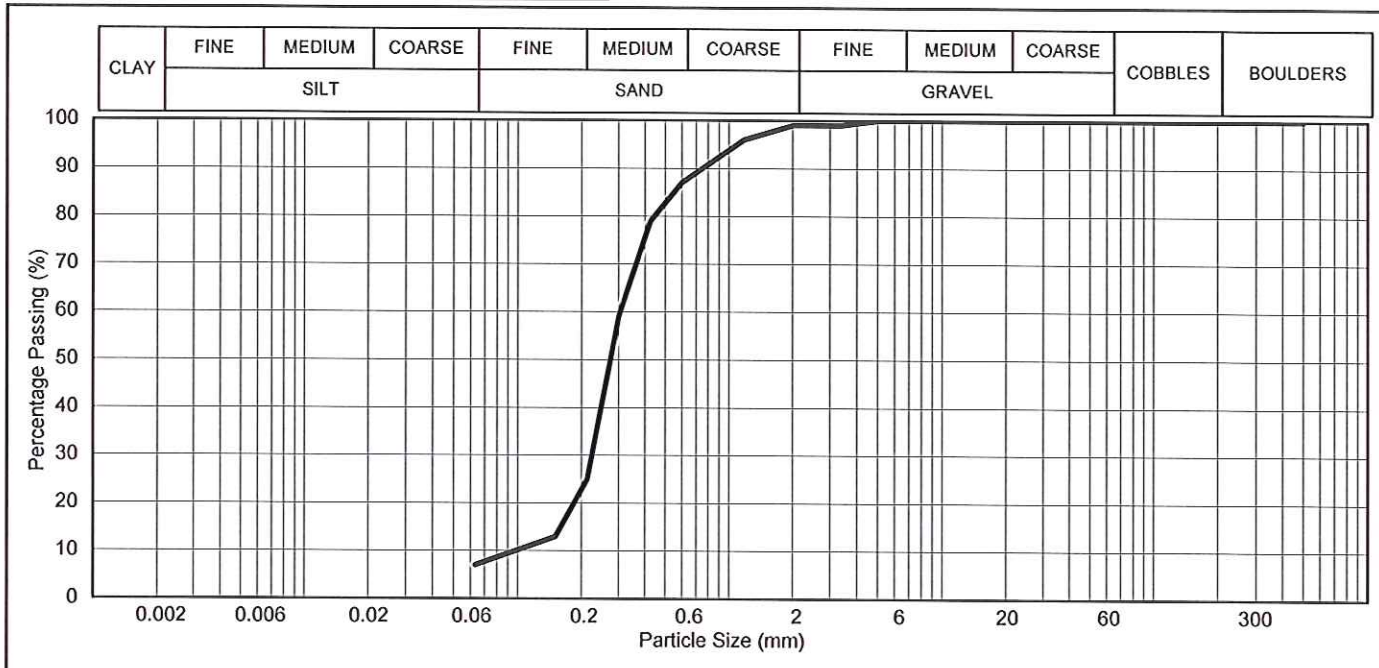


SIEVING				SEDIMENTATION				
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)		Percentage Passing (%)		
		Not Applicable						
		Lower %	Upper %					
500.0	100	-	-	0.020				
300.0	100	-	-	0.006				
125.0	100	-	-	0.002				
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)				
75.0	100	-	-					
63.0	100	-	-					
50.0	100	-	-	-				
37.5	100	-	-					
28.0	100	-	-					
20.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.				
14.0	100	-	-					
10.0	100	-	-					
6.30	100	-	-	PERCENTAGE SOIL TYPES				
5.00	100	-	-					
3.35	100	-	-					
2.00	99	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES
1.18	97	-	-	/	7	92	1	0
0.600	90	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
0.425	83	-	-					
0.300	63	-	-					
0.212	30	-	-	D10	D60		Specification	
0.150	17	-	-	-	-			
0.063	7	-	-	UNIFORMITY COEFFICIENT			-	-

Remarks

† Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

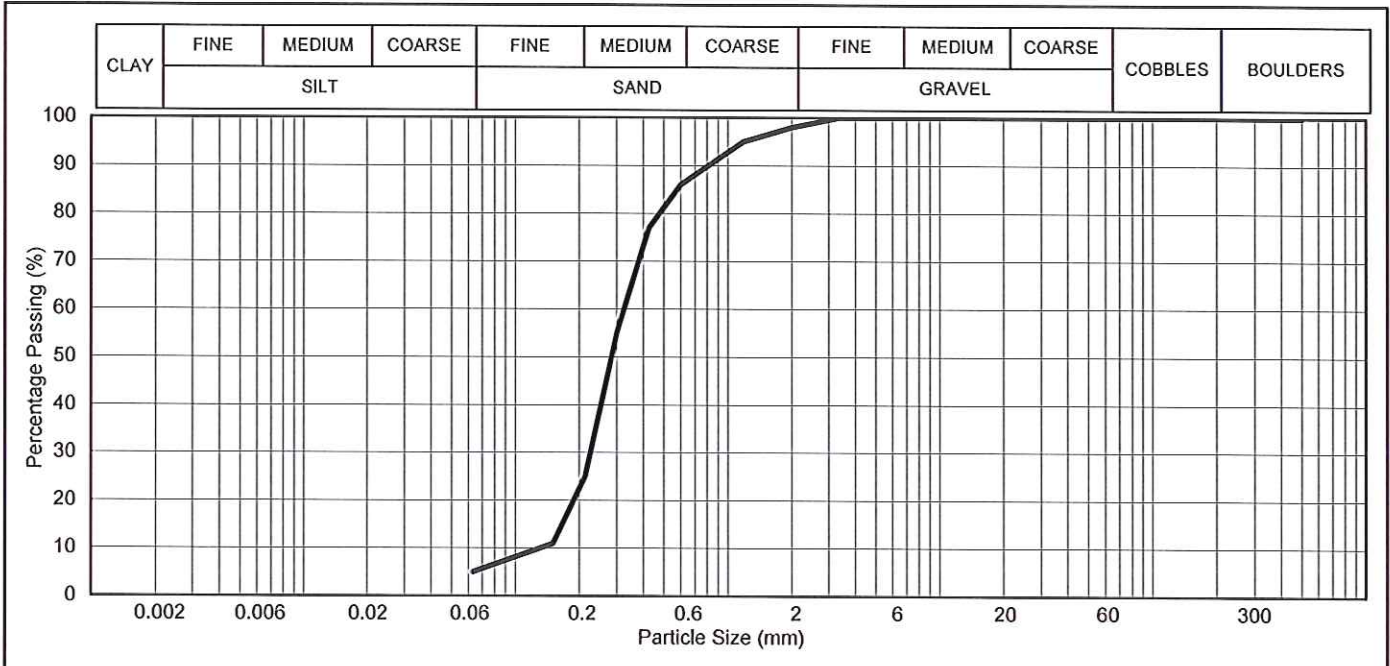
Borehole	- VC23
Sample	006
Depth (m) CD	- 9.80m



SIEVING				SEDIMENTATION				
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)		Percentage Passing (%)		
		Not Applicable						
		Lower %	Upper %					
500.0	100	-	-	0.020				
300.0	100	-	-	0.006				
125.0	100	-	-	0.002				
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)				
75.0	100	-	-					
63.0	100	-	-					
50.0	100	-	-					
37.5	100	-	-					
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.				
20.0	100	-	-					
14.0	100	-	-					
10.0	100	-	-	PERCENTAGE SOIL TYPES				
6.30	100	-	-	CLAY	SILT %	SAND	GRAVEL	COBBLES
5.00	100	-	-					
3.35	99	-	-	/	7	92	1	0
2.00	99	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
1.18	96	-	-					
0.600	87	-	-					
0.425	79	-	-	D10	D60		Specification	
0.300	59	-	-					
0.212	25	-	-	UNIFORMITY COEFFICIENT				-
0.150	13	-	-					
0.063	7	-	-					

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	-	VC23
Sample	007	
Depth (m) <D	-	9.60m

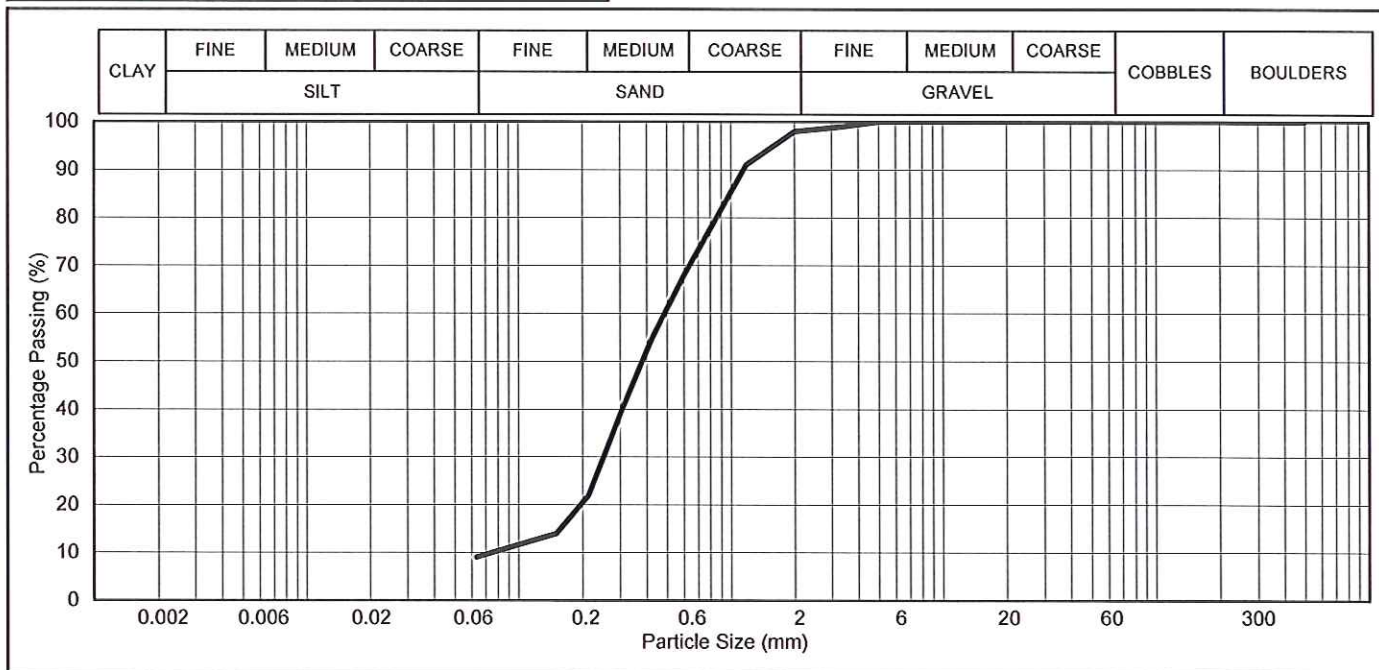


SIEVING				SEDIMENTATION	
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)
		Lower %	Upper %		
500.0	100	-	-	0.020	
300.0	100	-	-	0.006	
125.0	100	-	-	0.002	
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)	
75.0	100	-	-		
63.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.	
50.0	100	-	-		
37.5	100	-	-		
28.0	100	-	-		
20.0	100	-	-	PERCENTAGE SOIL TYPES	
14.0	100	-	-		
10.0	100	-	-	CLAY	SILT ‡
6.30	100	-	-	SAND	GRAVEL
5.00	100	-	-	COBBLES	
3.35	100	-	-	/	5
2.00	98	-	-	93	2
1.18	95	-	-	0	
0.600	86	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)	
0.425	77	-	-		
0.300	55	-	-	D10	D60
0.212	25	-	-	-	-
0.150	11	-	-	UNIFORMITY COEFFICIENT	
0.063	5	-	-	-	-

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC24
Sample	014
Depth (m)	- 8.00m

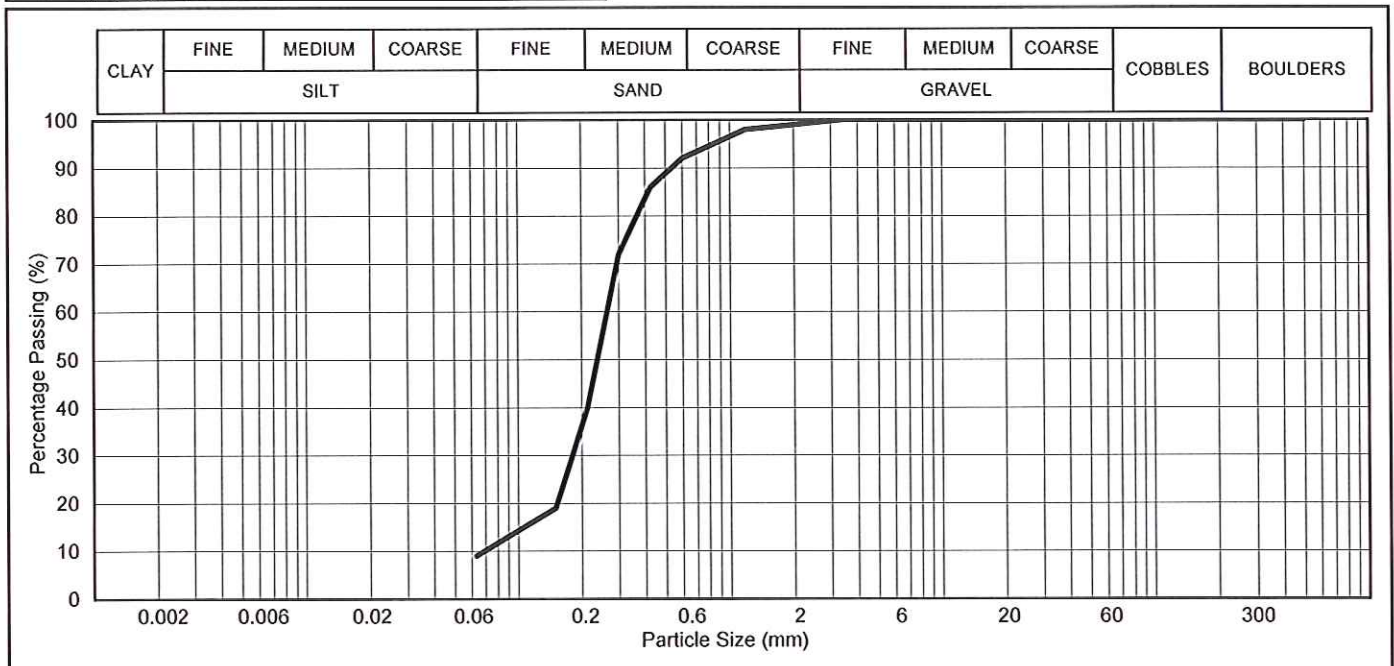


SIEVING				SEDIMENTATION					
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)			Percentage Passing (%)		
		Not Applicable							
		Lower %	Upper %						
500.0	100	-	-	0.020					
300.0	100	-	-	0.006					
125.0	100	-	-	0.002					
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)					
75.0	100	-	-						
63.0	100	-	-						
50.0	100	-	-						
37.5	100	-	-						
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					
20.0	100	-	-						
14.0	100	-	-						
10.0	100	-	-	PERCENTAGE SOIL TYPES					
6.30	100	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES	
5.00	100	-	-						
3.35	99	-	-	/	9	89	2	0	
2.00	98	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)					
1.18	91	-	-						
0.600	68	-	-						
0.425	55	-	-	D10		D60		Specification	
0.300	39	-	-	-		-			
0.212	22	-	-	UNIFORMITY COEFFICIENT				-	-
0.150	14	-	-						
0.063	9	-	-						

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC24
Sample	016
Depth (m) CD	- 9.50m

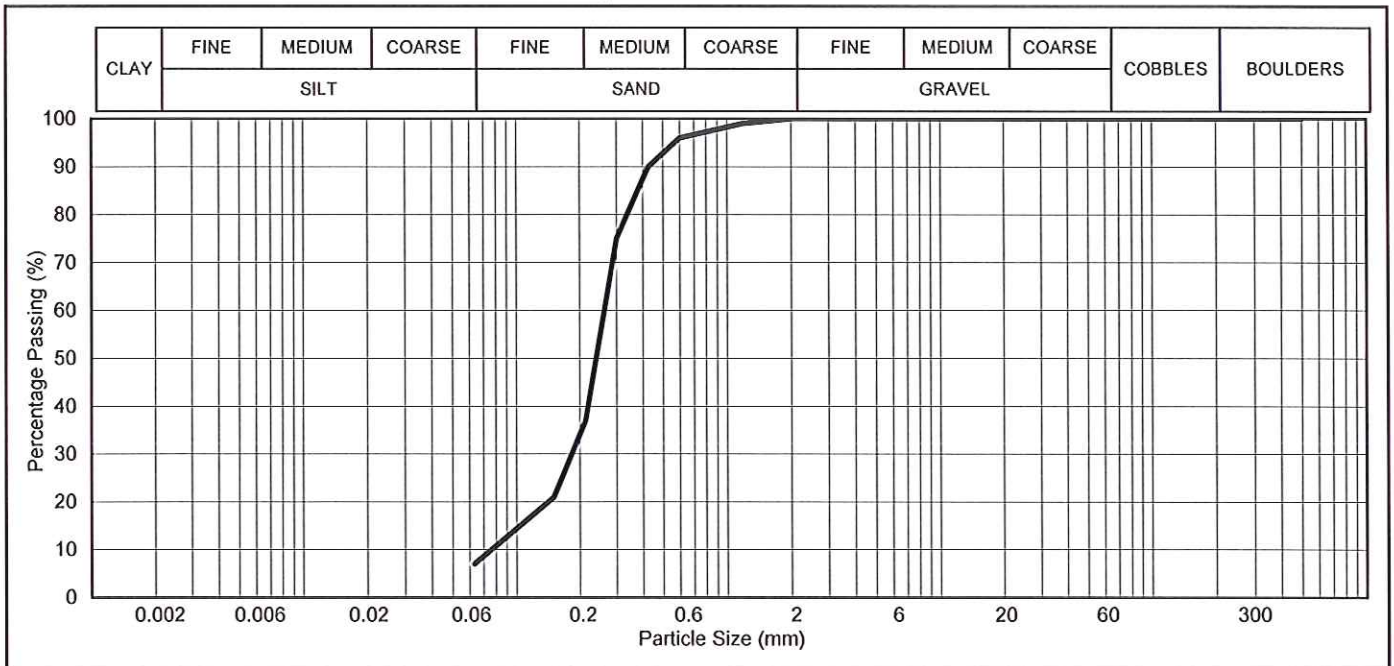


SIEVING				SEDIMENTATION				
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)		Percentage Passing (%)		
		Not Applicable						
		Lower %	Upper %					
500.0	100	-	-	0.020				
300.0	100	-	-	0.006				
125.0	100	-	-	0.002				
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)				
75.0	100	-	-					
63.0	100	-	-					
50.0	100	-	-					
37.5	100	-	-					
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.				
20.0	100	-	-					
14.0	100	-	-					
10.0	100	-	-					
6.30	100	-	-	PERCENTAGE SOIL TYPES				
5.00	100	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES
3.35	100	-	-	/	9	90	1	0
2.00	99	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
1.18	98	-	-					
0.600	92	-	-					
0.425	86	-	-	D10	D60		Specification	
0.300	72	-	-	-	-			
0.212	40	-	-	UNIFORMITY COEFFICIENT				-
0.150	19	-	-					
0.063	9	-	-					

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC24
Sample	018
Depth (m) CD	- 10.50m

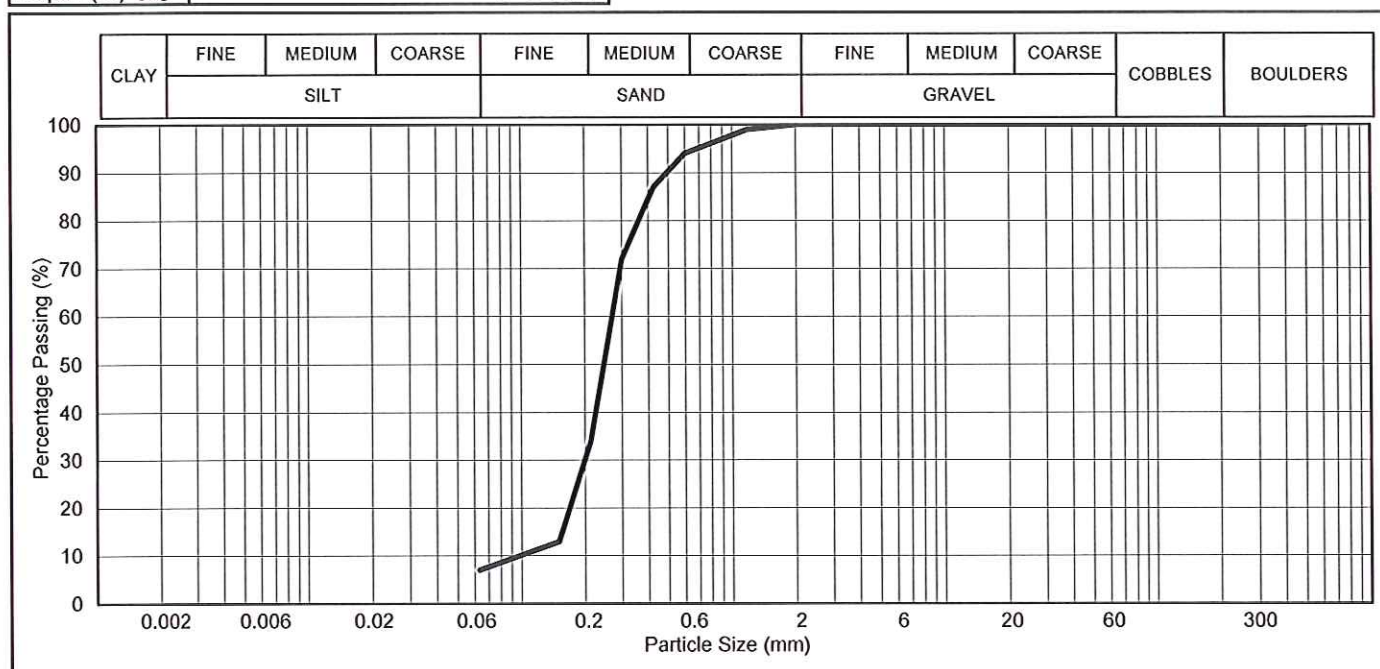


SIEVING				SEDIMENTATION				
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)	Percentage Passing (%)			
		Not Applicable						
		Lower %	Upper %					
500.0	100	-	-	0.020				
300.0	100	-	-	0.006				
125.0	100	-	-	0.002				
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)				
75.0	100	-	-					
63.0	100	-	-					
50.0	100	-	-	-				
37.5	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.				
28.0	100	-	-					
20.0	100	-	-					
14.0	100	-	-					
10.0	100	-	-	PERCENTAGE SOIL TYPES				
6.30	100	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES
5.00	100	-	-					
3.35	100	-	-	/	7	93	0	0
2.00	100	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
1.18	99	-	-					
0.600	96	-	-					
0.425	90	-	-	D10	D60	Specification		
0.300	75	-	-					
0.212	37	-	-	UNIFORMITY COEFFICIENT				-
0.150	21	-	-					
0.063	7	-	-					

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	-	VC25
Sample	041	
Depth (m) (C.I.)	-	9.20m

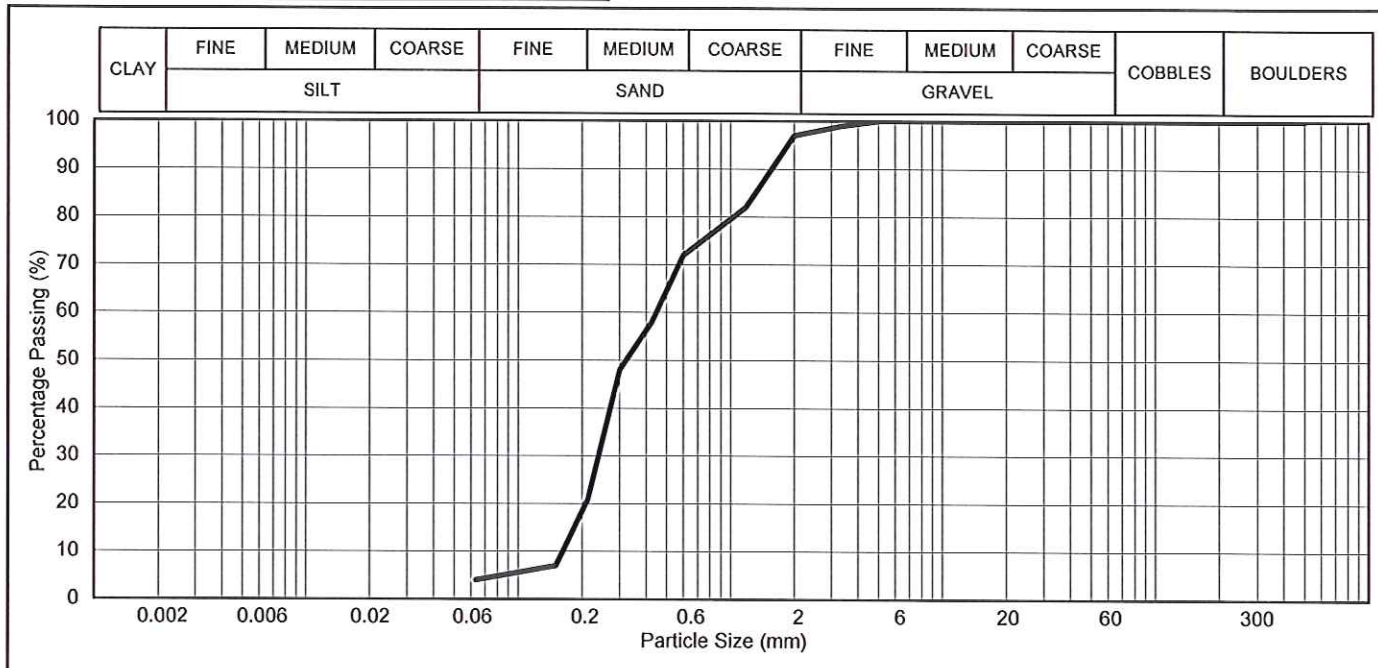


SIEVING				SEDIMENTATION				
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)			Percentage Passing (%)	
		Not Applicable						
		Lower %	Upper %					
500.0	100	-	-	0.020				
300.0	100	-	-	0.006				
125.0	100	-	-	0.002				
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)				
75.0	100	-	-					
63.0	100	-	-					
50.0	100	-	-					
37.5	100	-	-					
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.				
20.0	100	-	-					
14.0	100	-	-					
10.0	100	-	-	PERCENTAGE SOIL TYPES				
6.30	100	-	-	CLAY	SILT ‡	SAND	GRAVEL	COBBLES
5.00	100	-	-					
3.35	100	-	-	/	7	93	0	0
2.00	100	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)				
1.18	99	-	-					
0.600	94	-	-	D10		D60		Specification
0.425	87	-	-					
0.300	72	-	-	-		-		
0.212	34	-	-	UNIFORMITY COEFFICIENT				-
0.150	13	-	-					
0.063	7	-	-					

Remarks

‡ Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

Borehole	- VC25
Sample	042
Depth (m) (D)	- 10.00m



SIEVING				SEDIMENTATION					
Sieve Size (mm)	Percentage Passing (%)	Specification		Particle Size (mm)		Percentage Passing (%)			
		Not Applicable							
		Lower %	Upper %						
500.0	100	-	-	0.020					
300.0	100	-	-	0.006					
125.0	100	-	-	0.002					
90.0	100	-	-	GRADING CLASSIFICATION (SHW TABLE 6/2)					
75.0	100	-	-						
63.0	100	-	-						
50.0	100	-	-						
37.5	100	-	-						
28.0	100	-	-	Grading classification proves the material has met the relevant grading requirements only. Further testing may be required to assess compliance with SHW.					
20.0	100	-	-						
14.0	100	-	-						
10.0	100	-	-	PERCENTAGE SOIL TYPES					
6.30	100	-	-	CLAY	SILT ƒ	SAND	GRAVEL	COBBLES	
5.00	100	-	-						
3.35	99	-	-	/	4	93	3	0	
2.00	97	-	-	UNIFORMITY COEFFICIENT (SHW TABLE 6/1 NOTE 5)					
1.18	82	-	-						
0.600	72	-	-						
0.425	58	-	-	D10		D60		Specification	
0.300	48	-	-	-		-			
0.212	21	-	-	UNIFORMITY COEFFICIENT				-	-
0.150	7	-	-						
0.063	4	-	-						

† Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns

LABORATORY TEST CERTIFICATE

Certificate No : 16/210 - 01
To : Ashleigh Hanna
Client : Scientific Analysis Laboratories Limited
16 Langlands Place
Kelvin South Business Park
East Kilbride
G75 0YF

10 Queenslie Point
Queenslie Industrial Estate
120 Stepps Road
Glasgow
G33 3NQ

Tel: 0141 774 4032
Fax: 0141 774 3552

email: info@mattest.org
Website: www.mattest.org

Dear Sirs,

LABORATORY TESTING OF SOIL

Introduction

We refer to samples delivered to our laboratory on 08th March 2016.

Material & Source

Sample Reference : See Report Plates
Sampled By : Client
Sampling Certificate : Not Supplied
Location : See Report Plates
Description : See Page 2
Date Sampled : Not Supplied
Date Tested : 08th March 2016 Onwards
Source : 552676

VC26

Test Results;

As Detailed On Page 2 to Page 7 inclusive

Comments;

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
All remaining samples for this project will be disposed of 28 days after issue of this test certificate

Remarks;

Approved for Issue

T McLelland (Director)

Date 14/03/2016



Produced by Scientific Analysis Laboratories Ltd, 16 Langlands Place, Kelvin South Business Park, East Kilbride, G75 0YF

Page 1

Issue No. 01

This document has been printed from a digitally signed Supplement to Previous Report Number 552676-243

Page 1 of 7

VC26.

SCIENTIFIC ANALYSIS LABORATORIES LIMITED
552676



BOREHOLE	SAMPLE	DEPTH (m)	SAMPLE DESCRIPTION
-	001	-	Grey slightly gravelly fine to coarse SAND. Gravel is fine.
-	003	-	Grey fine to coarse SAND with pockets of very sandy silty clay.
-	005	-	Grey gravelly fine to coarse SAND. Gravel is fine to medium.
-	007	-	Grey fine to coarse SAND.
-	009	-	Grey clayey silty slightly gravelly fine to coarse SAND. Gravel is fine.

SUMMARY OF SAMPLE DESCRIPTIONS

CLAY	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	COBBLES	BOULDERS
	SILT			SAND			GRAVEL				

Percentage Passing (%)

Particle Size (mm)

Particle Size (mm)	Percentage Passing (%)
0.075	8
0.15	12
0.25	20
0.425	40
0.6	50
0.85	75
1.18	85
2.0	95
4.75	100

Remarks

† Where a sedimentation test was not carried out, this figure represents total fines, i.e., particles of diameter less than 63 microns