



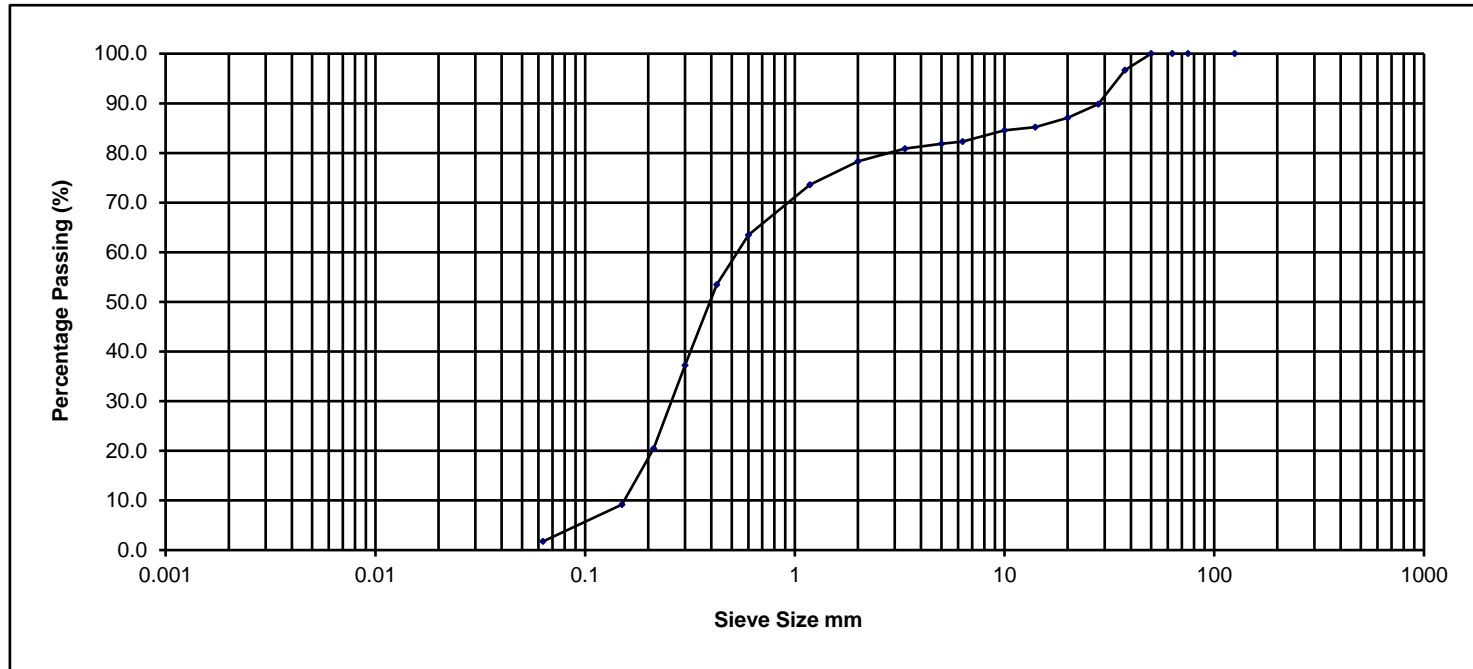
## **APPENDIX 8-3**

***PARTICLE SIZE  
DISTRIBUTION  
CERTIFICATES***

**NMTL Ltd**

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	96.7
28.000	89.9
20.000	87.1
14.000	85.2
10.000	84.6
6.300	82.3
5.000	81.8
3.350	80.9
2.000	78.3
1.180	73.6
0.600	63.5
0.425	53.4
0.300	37.2
0.212	20.5
0.150	9.2
0.063	1.7

### Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	1.7			76.5			21.7			0.0	0.0

Sample Description Dark brown grey slightly silty gravelly SAND.

Project No. NMTL 3662

BH/TP No. T1

Project Borrisbeg WF

Sample No. B

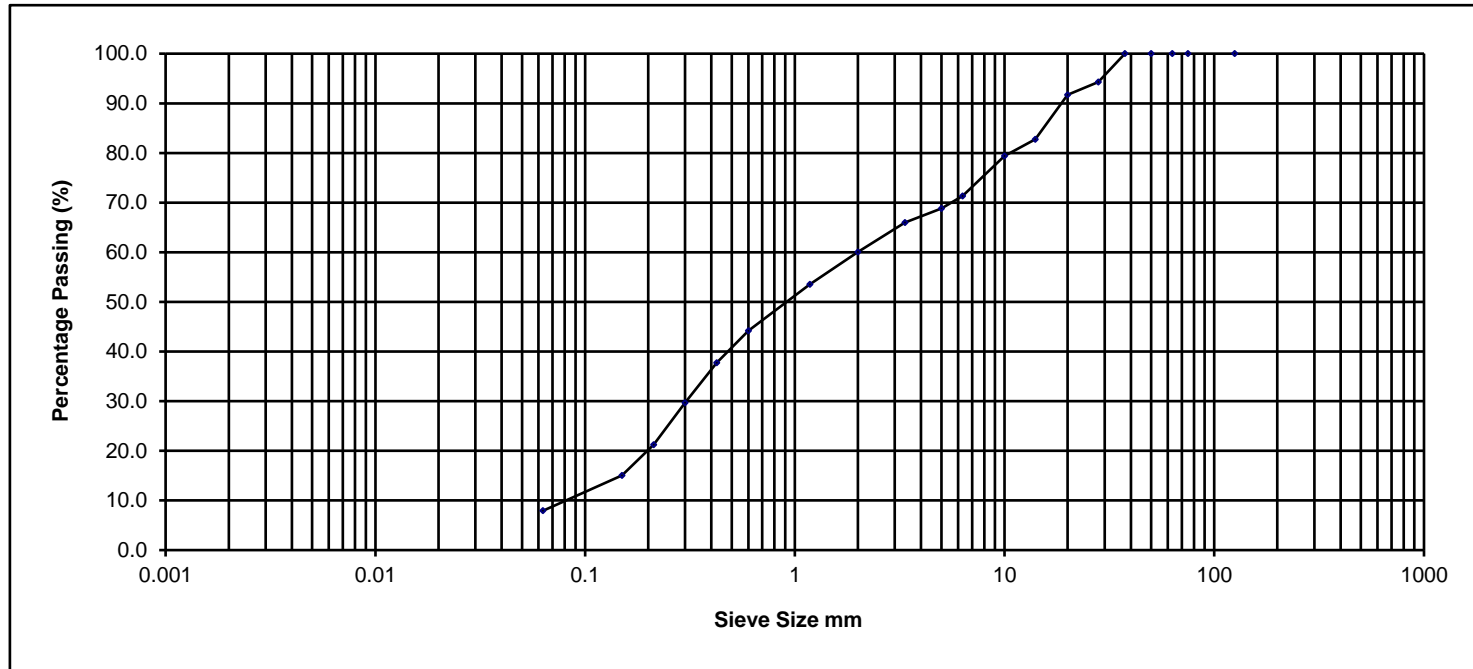
**NMTL Ltd**

Operator	Js	Checked	Nc	Approved	Bc	Date sample tested	03/10/2023	Depth	2.10m
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**NMTL Ltd**

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	100.0
28.000	94.3
20.000	91.7
14.000	82.7
10.000	79.4
6.300	71.3
5.000	68.8
3.350	66.0
2.000	60.1
1.180	53.5
0.600	44.2
0.425	37.8
0.300	29.7
0.212	21.3
0.150	15.0
0.063	7.9

### Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	7.9			52.1			39.9			0.0	0.0

Sample Description Dark brown grey silty gravelly SAND.

Project No. NMTL 3662

BH/TP No. T2

Project Borrisbeg WF

Sample No. B

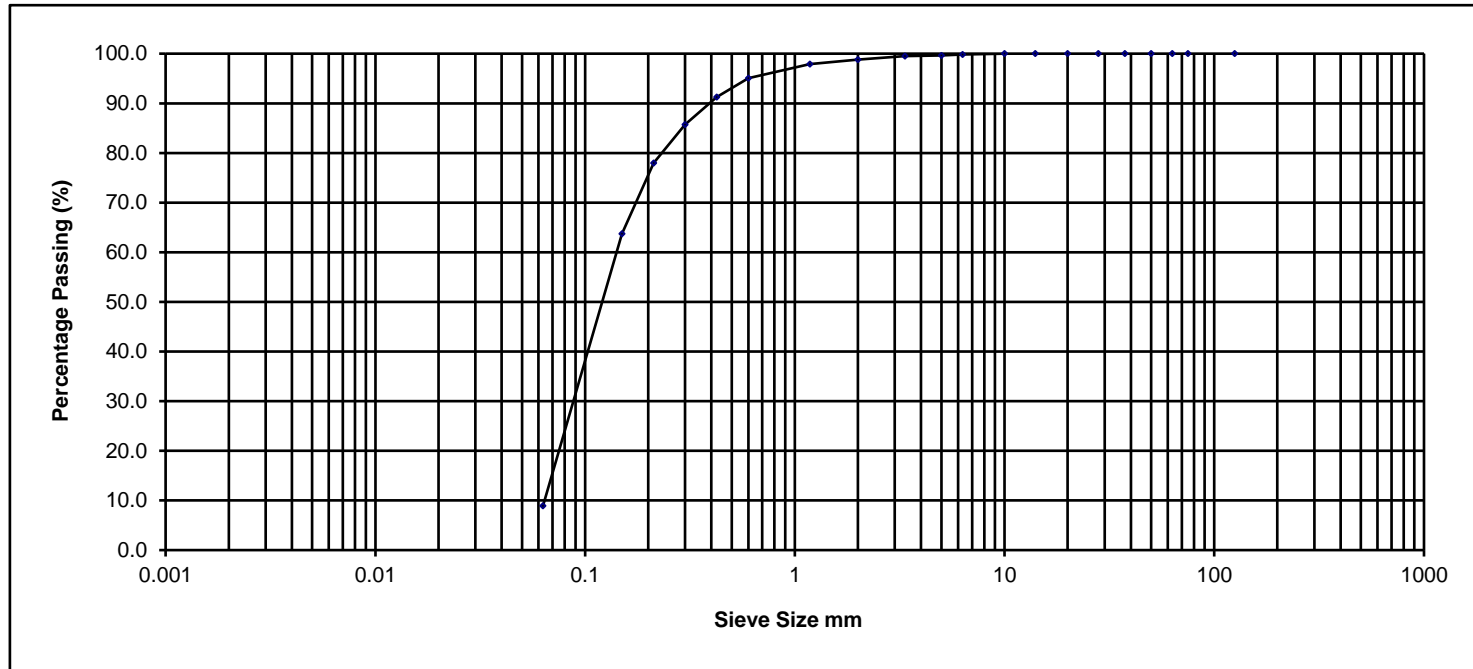
**NM**  
**TL**  
**Ltd**

Operator	Js	Checked	Nc	Approved	Bc	Date sample tested	03/10/2023	Depth	2.40m
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**NMTL Ltd**

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	100.0
28.000	100.0
20.000	100.0
14.000	100.0
10.000	100.0
6.300	99.9
5.000	99.7
3.350	99.5
2.000	98.8
1.180	97.9
0.600	95.0
0.425	91.3
0.300	85.7
0.212	78.0
0.150	63.7
0.063	8.9

### Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel				
	8.9			89.9			1.2			0.0	0.0

Sample Description Light brown grey slightly gravelly silty SAND.

Project No. NMTL 3662

BH/TP No. T3

Project Borrisbeg WF

Sample No. B

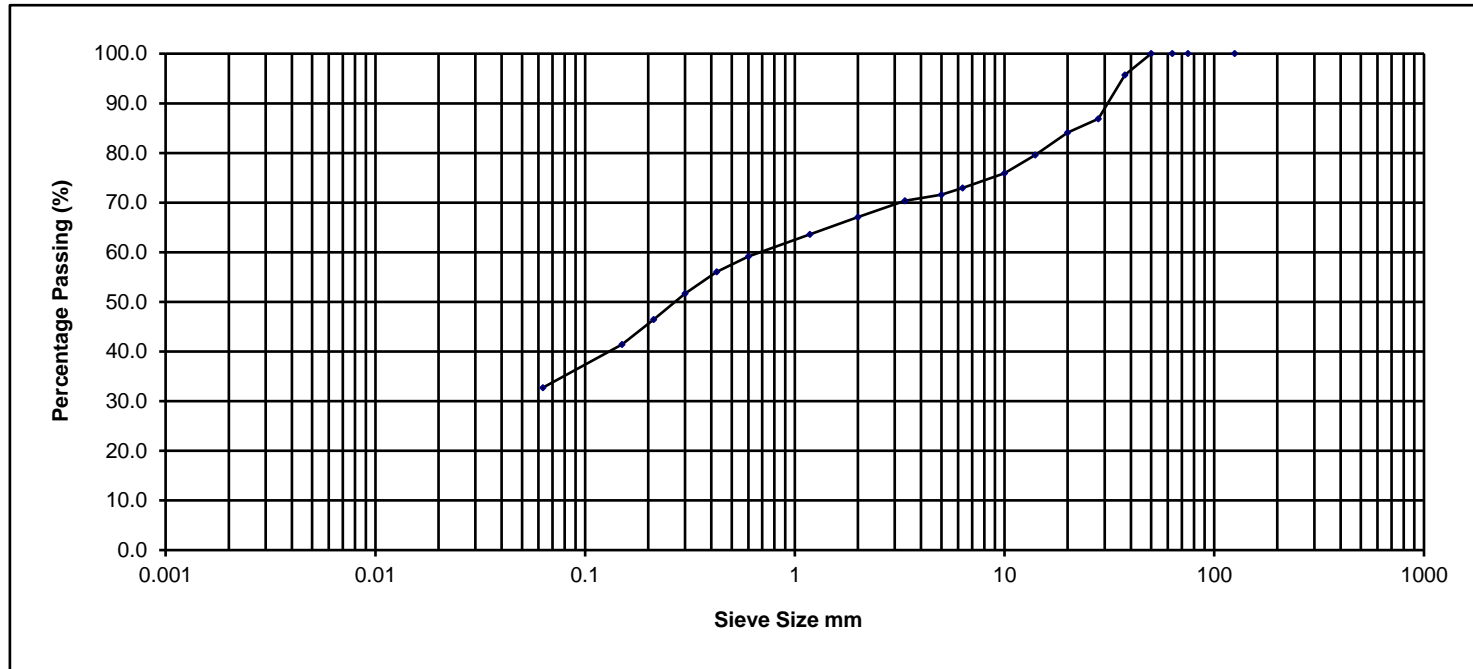
**NM**  
**TL**  
**Ltd**

Operator	Js	Checked	Nc	Approved	Bc	Date sample tested	03/10/2023	Depth	2.50m
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**NMTL Ltd**

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	95.7
28.000	86.9
20.000	84.1
14.000	79.6
10.000	75.9
6.300	72.9
5.000	71.6
3.350	70.4
2.000	67.1
1.180	63.6
0.600	59.2
0.425	56.1
0.300	51.7
0.212	46.4
0.150	41.4
0.063	32.7

### Determination of Particle Size Distribution BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5



Percentage Particle Size

Clay	Fine			Medium			Coarse			Cobbles	Boulder
	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse		
	Silt			Sand			Gravel			0.0	0.0
	32.7			34.4			32.9				

Sample Description Dark brown grey slightly gravelly slightly sandy SILT/CLAY.

Project No. NMTL 3662

BH/TP No. T7

Project Borrisbeg WF

Sample No. B

**NMTL Ltd**

Operator	Js	Checked	Nc	Approved	Bc	Date sample tested	03/10/2023	Depth	1.80m
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