

Project Title : **Beaulieu Park – RDR Pavement Construction**

Location of Testing : **AECOM Laboratory, NG9 6RZ**

Reported By : **Giulia Lo Canto**

Job Number : **60544202**

Date of Issue : **04 August 2017**

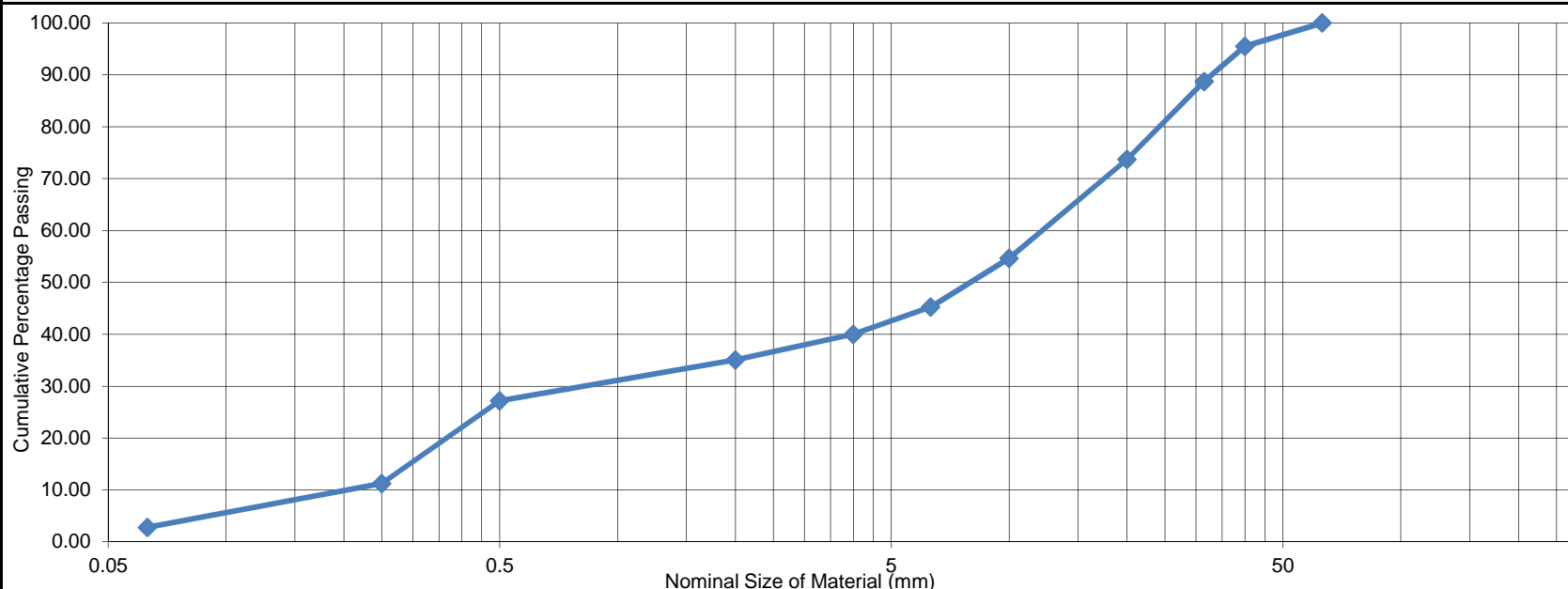
Checked By : **BA**

Bulk Reference : **0644.01.00**

Tested By : **Giulia Lo Canto**

Sample Reference / Type / Reception Date : **0644.01.00 / Light brown gravelly fine to coarse SAND with rare clay / 24-July-2017**

Particle Size Distribution Plot - Washed Condition



Sieve Size (mm)	Percentage Passing
63	100
40	80
31.5	80
20	67
10	48
6.3	39
4	32
2	27
0.5	18
0.25	9
0.063	3.2

Comments and Deviations:

Dry Sieving : $f = \frac{100P}{M_1}$

Fines Passing 0.063mm : $f = \frac{(M_1 - M_2) + P}{M_1} \times 100$

f = Percentage of fines passing 0.063mm

M_1 = Mass of dried test sample before wash

M_2 = Mass of dried residue retained on the 0.063mm

P = Mass of screened material in the pan

Checked by: - **Ben Allen**

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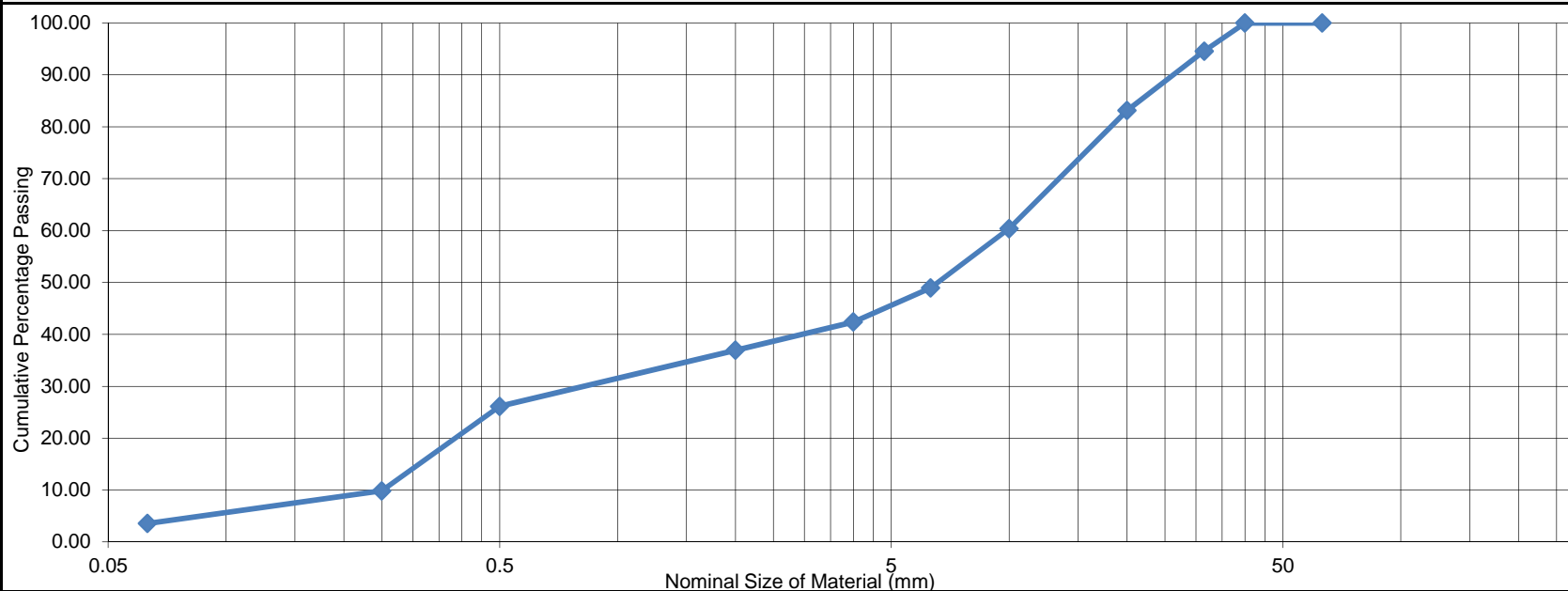
Checked By : **BA**

Bulk Reference : **0644.02.00**

Tested By : **Giulia Lo Canto**

Sample Reference / Type / Reception Date : **0644.02.00 / Light brown gravelly fine to coarse SAND with rare clay / 24-July-2017**

Particle Size Distribution Plot - Washed Condition



Sieve Size (mm)	Percentage Passing
63	100
40	100
31.5	95
20	83
10	60
6.3	49
4	42
2	37
0.5	26
0.25	10
0.063	3.6

Comments and Deviations:

Dry Sieving : $f = \frac{100P}{M_1}$

Fines Passing 0.063mm : $f = \frac{(M_1 - M_2) + P}{M_1} \times 100$

f = Percentage of fines passing 0.063mm

M_1 = Mass of dried test sample before wash

M_2 = Mass of dried residue retained on the 0.063mm

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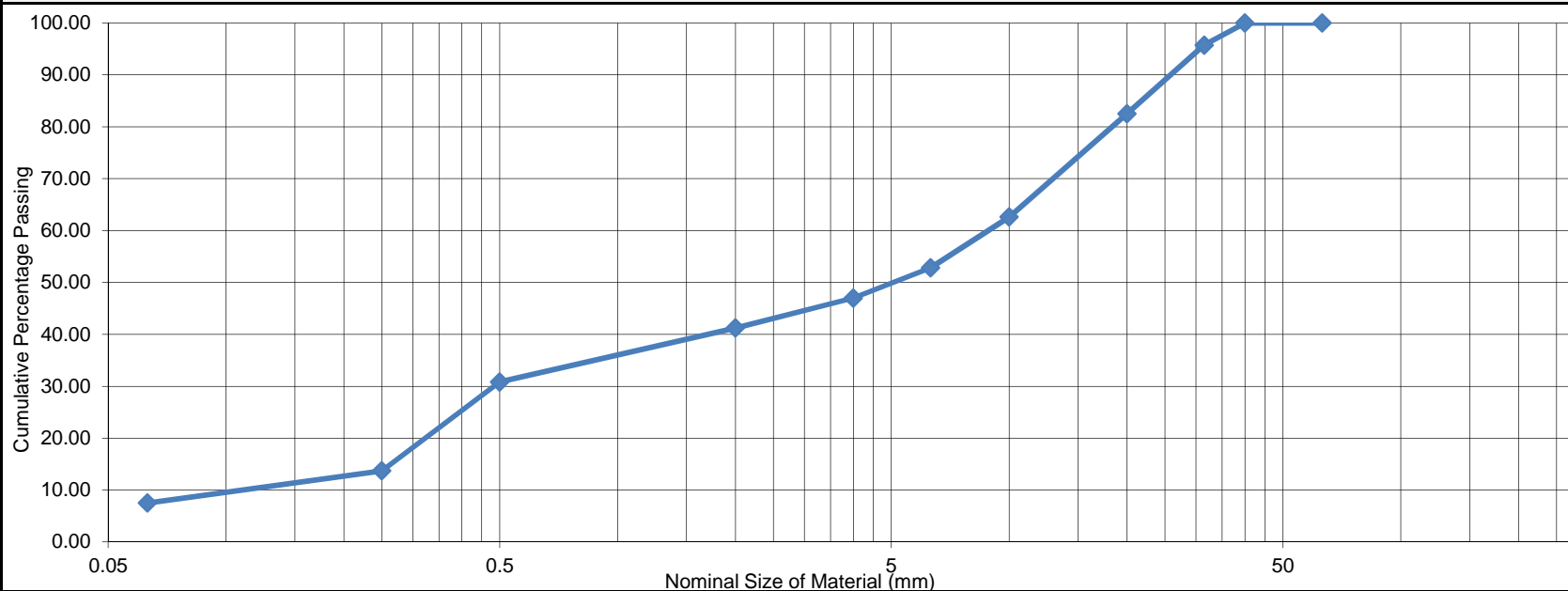
Checked By : **BA**

Bulk Reference : **0644.03.00**

Tested By : **Giulia Lo Canto**

Sample Reference / Type / Reception Date : **0644.03.00 / Light brown gravelly fine to coarse SAND with rare clay / 24-July-2017**

Particle Size Distribution Plot - Washed Condition



Sieve Size (mm)	Percentage Passing
63	100
40	100
31.5	96
20	83
10	63
6.3	53
4	47
2	41
0.5	31
0.25	14
0.063	7.5

Comments and Deviations:

Dry Sieving : $f = \frac{100P}{M_1}$

Fines Passing 0.063mm : $f = \frac{(M_1 - M_2) + P}{M_1} \times 100$

f = Percentage of fines passing 0.063mm

M_1 = Mass of dried test sample before wash

M_2 = Mass of dried residue retained on the 0.063mm

P = Mass of screened material in the pan

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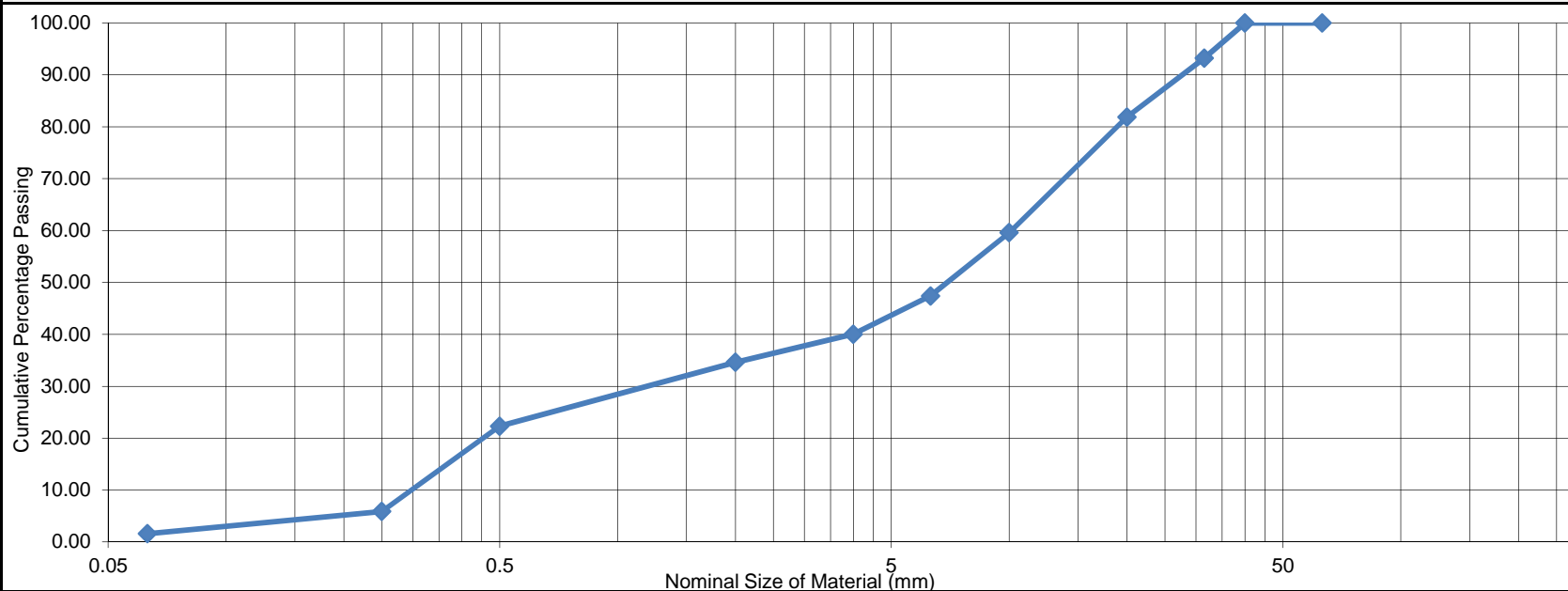
Checked By : **BA**

Bulk Reference : **0644.04.00**

Tested By : **Giulia Lo Canto**

Sample Reference / Type / Reception Date : **0644.04.00 / Light brown gravelly fine to coarse SAND with rare clay / 24-July-2017**

Particle Size Distribution Plot - Washed Condition



Sieve Size (mm)	Percentage Passing
63	100
40	100
31.5	93
20	82
10	60
6.3	47
4	40
2	35
0.5	22
0.25	6
0.063	1.6

Comments and Deviations:

Dry Sieving : $f = \frac{100P}{M_1}$

Fines Passing 0.063mm : $f = \frac{(M_1 - M_2) + P}{M_1} \times 100$

f = Percentage of fines passing 0.063mm

M_1 = Mass of dried test sample before wash

M_2 = Mass of dried residue retained on the 0.063mm

P = Mass of screened material in the pan

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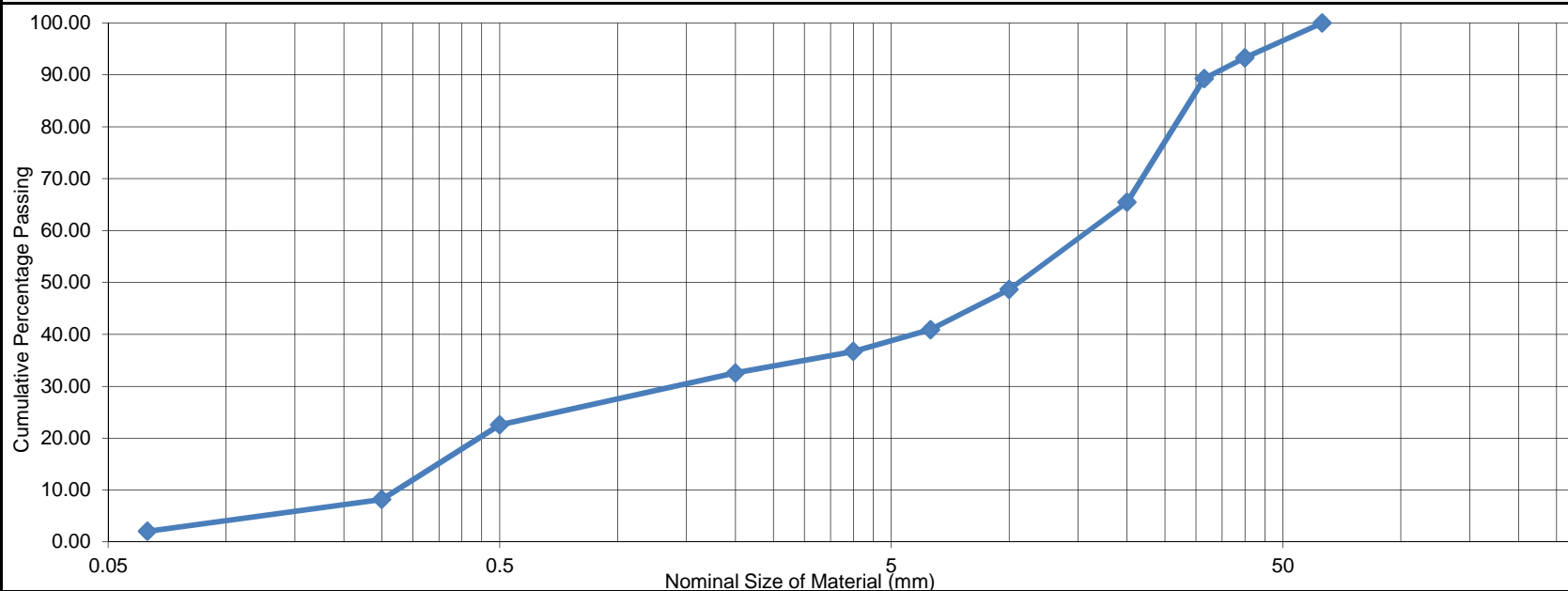
Checked By : **BA**

Bulk Reference : **0644.05.00**

Tested By : **Giulia Lo Canto**

Sample Reference / Type / Reception Date : **0644.05.00 / Light brown gravelly fine to coarse SAND with rare clay / 24-July-2017**

Particle Size Distribution Plot - Washed Condition



Sieve Size (mm)	Percentage Passing
63	100
40	93
31.5	89
20	65
10	49
6.3	41
4	37
2	33
0.5	23
0.25	8
0.063	2.1

Comments and Deviations:

Dry Sieving : $f = \frac{100P}{M_1}$

Fines Passing 0.063mm : $f = \frac{(M_1 - M_2) + P}{M_1} \times 100$

f = Percentage of fines passing 0.063mm

M_1 = Mass of dried test sample before wash

M_2 = Mass of dried residue retained on the 0.063mm

P = Mass of screened material in the pan

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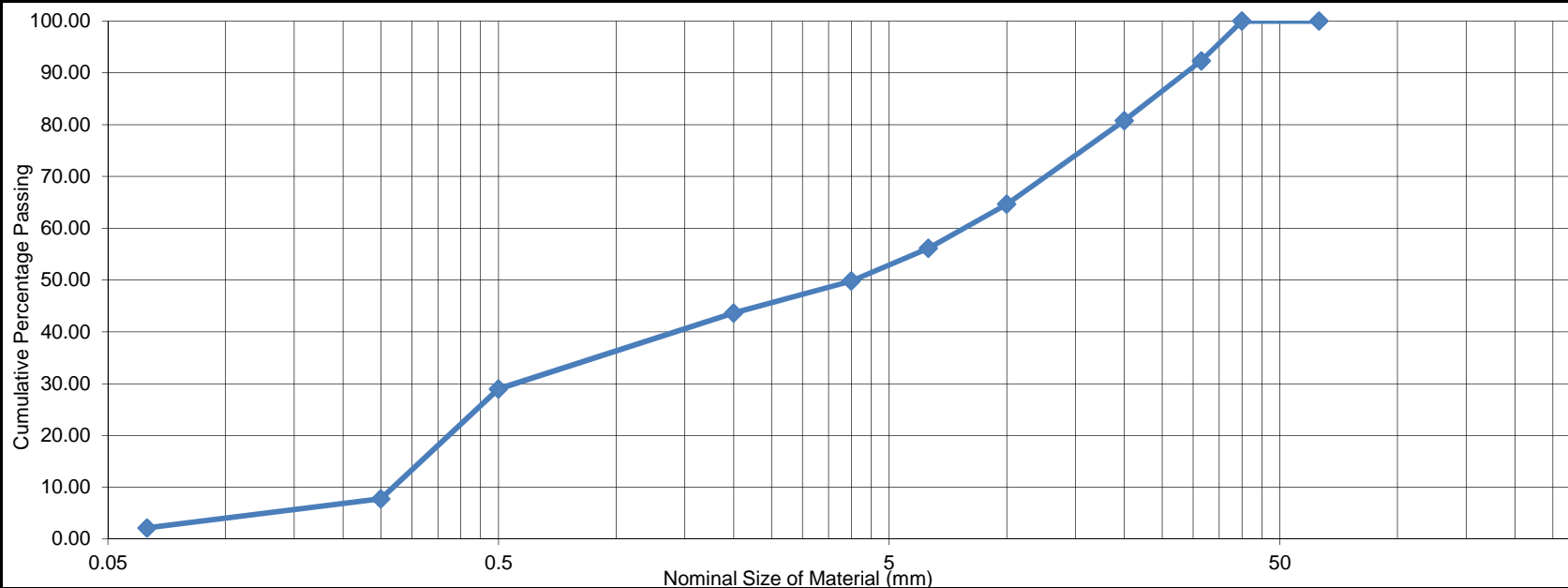
Checked By : **BA**

Bulk Reference : **0644.06.00**

Tested By : **Giulia Lo Canto**

Sample Reference / Type / Reception Date : **0644.06.00 / Light brown gravelly fine to coarse SAND with rare clay / 24-July-2017**

Particle Size Distribution Plot - Washed Condition



Sieve Size (mm)	Percentage Passing
63	100
40	100
31.5	92
20	81
10	65
6.3	56
4	50
2	44
0.5	29
0.25	8
0.063	2.2

Comments and Deviations:

Dry Sieving : $f = \frac{100P}{M_1}$

Fines Passing 0.063mm : $f = \frac{(M_1 - M_2) + P}{M_1} \times 100$

f = Percentage of fines passing 0.063mm

M_1 = Mass of dried test sample before wash

M_2 = Mass of dried residue retained on the 0.063mm

P = Mass of screened material in the pan

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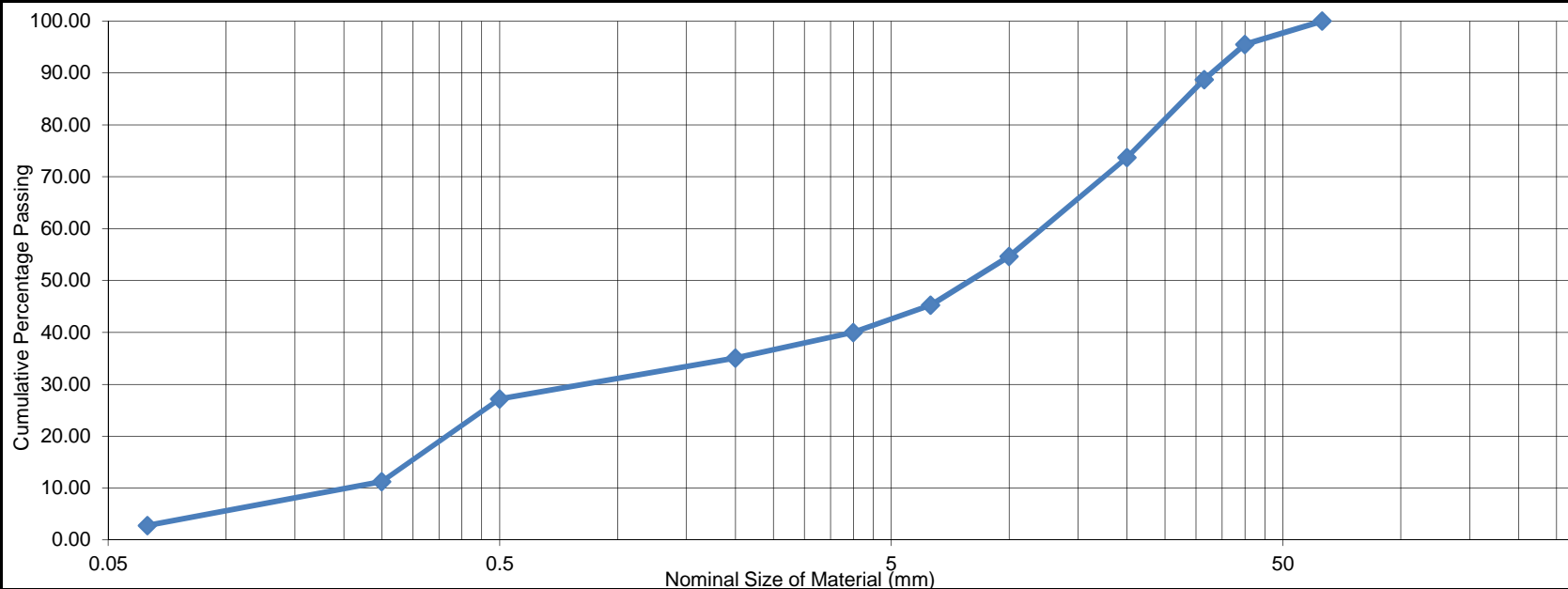
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Bulk Reference : **0644.07.00**

Tested By : **Giulia Lo Canto**

Sample Reference / Type / Reception Date : **0644.07.00 / Light brown gravelly fine to coarse SAND with rare clay / 24-July-2017**

Particle Size Distribution Plot - Washed Condition



Sieve Size (mm)	Percentage Passing
63	100
40	96
31.5	89
20	74
10	55
6.3	45
4	40
2	35
0.5	27
0.25	11
0.063	2.8

Comments and Deviations:

Dry Sieving : $f = \frac{100P}{M_1}$

Fines Passing 0.063mm : $f = \frac{(M_1 - M_2) + P}{M_1} \times 100$

f = Percentage of fines passing 0.063mm

M₁ = Mass of dried test sample before wash

M₂ = Mass of dried residue retained on the 0.063mm

P = Mass of screened material in the pan

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