

Project : 62801461

Location:

Customer: DHI Water & Environment (m) Sdn Bhd

3A01 & 02, Block G, Pusat Dagangan Phileo Damansara 1,

No.9, Jln 16/11, Off Jln Damansara, 46350 Petaling Jaya, Selangor

TEST REPORT No. L170310/PS/S-3E

Lab Ref.: L170310

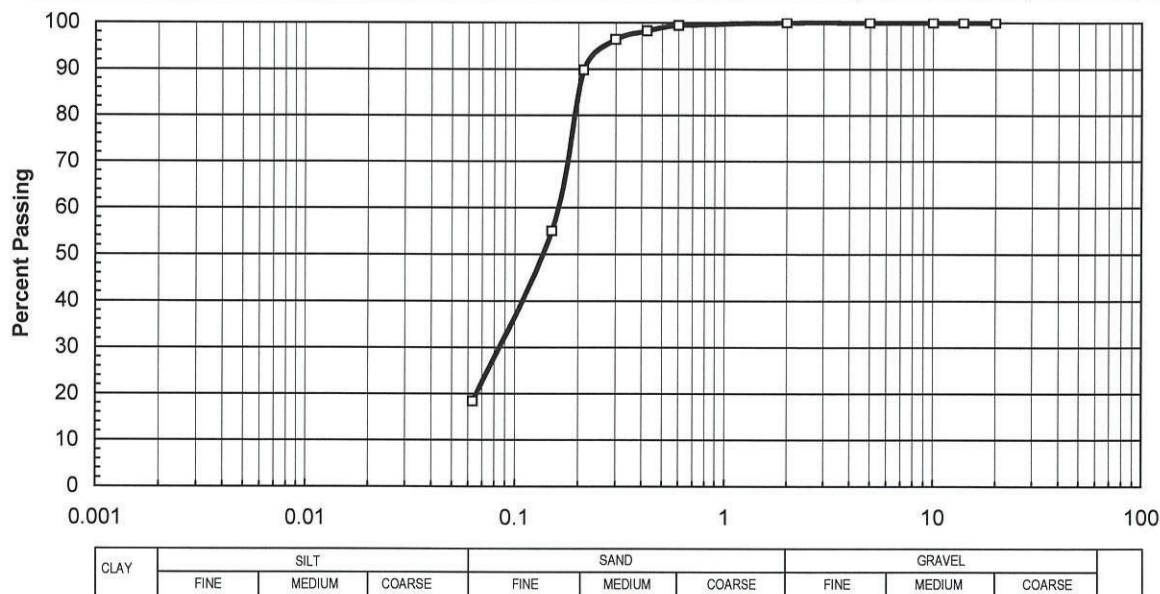
Sample No. : S-3E

Depth, m. : 03.10.2017

Receive Date : 06.10.2017

Test Date : 16.10.2017

Test Method: BS1377: 1990, Part 2, Clause 9.2 and 9.3				Initial soil mass, m_1 :		50.0 gm.	
SIZE (mm)	WT.OF SOIL RETAINED, (gm)		PERCENT RETAINED, (%)		SIEVE PERCENT PASSING, (%)		
20.0	0.0		0.0		100.0		
14.0	0.0		0.0		100.0		
10.0	0.0		0.0		100.0		
5.0	0.0		0.0		100.0		
2.0	0.0		0.0		100.0		
0.600	0.3		0.6		99.4		
0.425	0.6		1.2		98.2		
0.300	0.9		1.8		96.4		
0.212	3.3		6.6		89.8		
0.150	17.4		34.8		55.0		
0.063	18.3		36.6		18.4		
Pan	Note: Wt.Retained during DRY sieving do not include WET sieving portion passing 63 micron						
Test Method: BS1377: 1990, Part 2, Clause 9.5					HYDROMETER		
m_1 , gm: - Particle Density: -			Viscosity of Water: 0.834 mPa s Temperature: 28 °C		Menicus Corr.,cm: 0.50 Disper.Sol, 0.9995,Rd: -0.5		
Elapsed Time t (min)	Hydrometer Reading Rh'	True Reading Rh	Effective Depth Hr (mm)	Modified Reading R	Particle Diameter D (mm)	% Finer	
Sample No.		Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %	
S-3E, 03.10.2017 m.		o	18		82	0	



Tested by: Hasnah/Nor

Approved Signatory

NOTES:

The results relate only to the sample received. This document shall not be reproduced except in full, without the written approval of the laboratory.

Wong



WONG KIM YUEN
Technical Manager

PARTICLE SIZE DISTRIBUTION

TEST REPORT No. L170310/PS/S-3F

Project : 62801461

Location:

Customer: DHI Water & Environment (m) Sdn Bhd

Lab Ref.: **L170310**

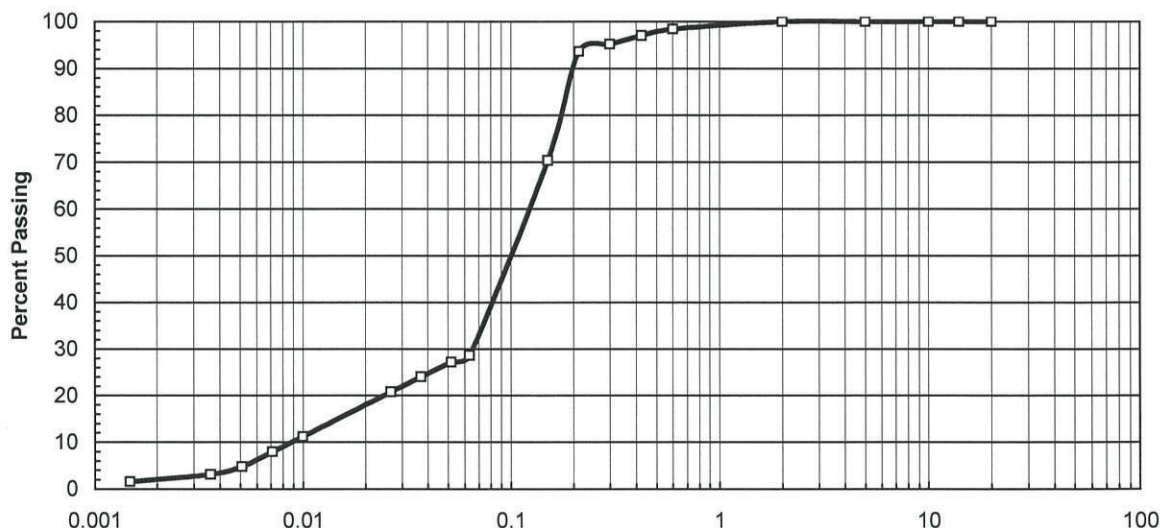
Sample No. : **S-3F**

Depth, m. : **03.10.2017**

Receive Date : **06.10.2017**

Test Date : **16.10.2017**

Test Method: BS1377: 1990, Part 2, Clause 9.2 and 9.3			Initial soil mass, m_1 :		50.0 gm.	
SIZE (mm)	WT.OF SOIL RETAINED, (gm)	PERCENT RETAINED, (%)		SIEVE PERCENT PASSING, (%)		
20.0	0.0	0.0		100.0		
14.0	0.0	0.0		100.0		
10.0	0.0	0.0		100.0		
5.0	0.0	0.0		100.0		
2.0	0.0	0.0		100.0		
0.600	0.8	1.6		98.4		
0.425	0.7	1.4		97.0		
0.300	0.9	1.8		95.2		
0.212	0.8	1.6		93.6		
0.150	11.6	23.2		70.4		
0.063	20.9	41.8		28.6		
Pan	Note: Wt.Retained during DRY sieving do not include WET sieving portion passing 63 micron					
Test Method: BS1377: 1990, Part 2, Clause 9.5				HYDROMETER		
m_1 , gm: 50.0 Particle Density: 2.67		Viscosity of Water: 0.834 mPa s Temperature: 28 °C		Menicus Corr.,cm: 0.50 Disper.Sol, 0.9995,Rd: -0.5		
Elapsed Time t (min)	Hydrometer Reading Rh'	True Reading Rh	Effective Depth Hr (mm)	Modified Reading R	Particle Diameter D (mm)	% Finer
1	8.0	8.5	175.2	8.5	0.0517	27.2
2	7.0	7.5	179.0	7.5	0.0370	24.0
4	6.0	6.5	182.8	6.5	0.0264	20.8
30	3.0	3.5	194.2	3.5	0.0099	11.2
60	2.0	2.5	198.0	2.5	0.0071	8.0
120	1.0	1.5	201.8	1.5	0.0051	4.8
240	0.5	1.0	203.7	1.0	0.0036	3.2
1440	0.0	0.5	205.6	0.5	0.0015	1.6
Sample No.		Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %
S-3F, 03.10.2017 m.		o	2	27	71	0



CLAY	SILT			SAND			GRAVEL		
	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE

Tested by: Hasnah/Nor

Approved Signatory

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Technical Manager



TEST REPORT No. L170310/PS/S-3G

Project : 62801461

Location:

Customer: DHI Water & Environment (m) Sdn Bhd

Lab Ref.: **L170310**

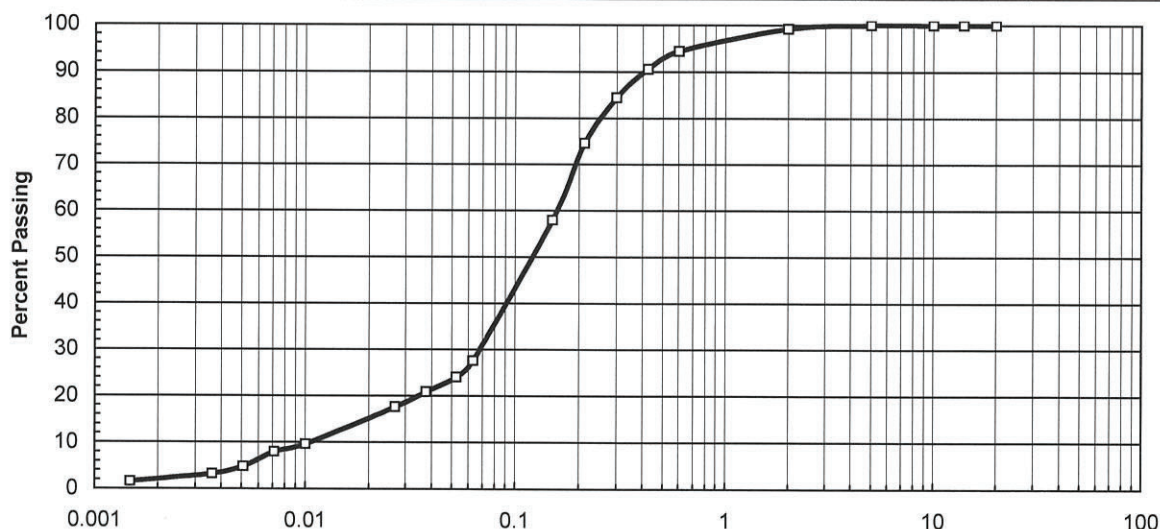
Sample No. : **S-3G**

Depth, m. : **03.10.2017**

Receive Date : **06.10.2017**

Test Date : **16.10.2017**

Test Method: BS1377: 1990, Part 2, Clause 9.2 and 9.3			Initial soil mass, m_1 :		50.0 gm.	
SIZE (mm)	WT.OF SOIL RETAINED, (gm)	PERCENT RETAINED, (%)		SIEVE PERCENT PASSING, (%)		
20.0	0.0	0.0		100.0		
14.0	0.0	0.0		100.0		
10.0	0.0	0.0		100.0		
5.0	0.0	0.0		100.0		
2.0	0.4	0.8		99.2		
0.600	2.4	4.8		94.4		
0.425	1.9	3.8		90.6		
0.300	3.1	6.2		84.4		
0.212	4.9	9.8		74.6		
0.150	8.3	16.6		58.0		
0.063	15.2	30.4		27.6		
Pan	Note: Wt.Retained during DRY sieving do not include WET sieving portion passing 63 micron					
Test Method: BS1377: 1990, Part 2, Clause 9.5				HYDROMETER		
m_1 , gm: 50.0 Particle Density: 2.66		Viscosity of Water: 0.834 mPa s Temperature: 28 °C		Menicus Corr.,cm: 0.50 Disper.Sol, 0.9995,Rd: -0.5		
Elapsed Time t (min)	Hydrometer Reading Rh'	True Reading Rh	Effective Depth Hr (mm)	Modified Reading R	Particle Diameter D (mm)	% Finer
1	7.0	7.5	179.0	7.5	0.0525	24.0
2	6.0	6.5	182.8	6.5	0.0375	20.8
4	5.0	5.5	186.6	5.5	0.0268	17.6
30	2.5	3.0	196.1	3.0	0.0100	9.6
60	2.0	2.5	198.0	2.5	0.0071	8.0
120	1.0	1.5	201.8	1.5	0.0051	4.8
240	0.5	1.0	203.7	1.0	0.0036	3.2
1440	0.0	0.5	205.6	0.5	0.0015	1.6
Sample No.		Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %
S-3G, 03.10.2017 m.		o	2	26	71	1



CLAY	SILT			SAND			GRAVEL		
	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE

Tested by: Hasnah/Nor

Approved Signatory

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No.9, Jln 16/11, Off Jln Damansara, 46350 Petaling Jaya, Selangor

TEST REPORT No. L170310/PS/S-3H

Lab Ref.: **L170310**

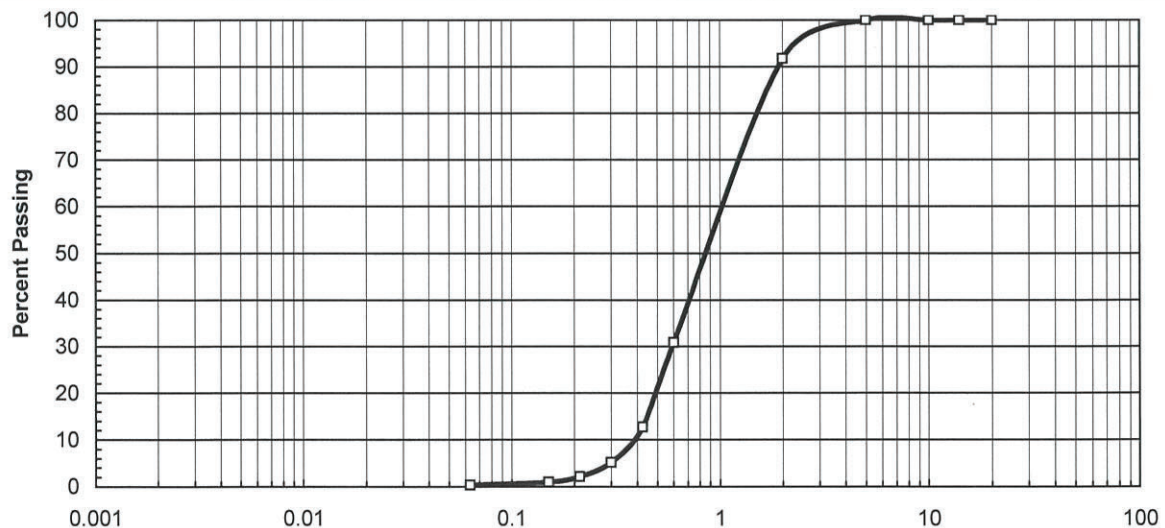
Sample No. : S-3H

Depth, m. : 03.10.2017

Receive Date : 06.10.2017

Test Date : 16.10.2017

Test Method: BS1377: 1990, Part 2, Clause 9.2 and 9.3			Initial soil mass, m_1 :		100.0 gm.	
SIZE (mm)	WT.OF SOIL RETAINED, (gm)		PERCENT RETAINED, (%)		SIEVE PERCENT PASSING, (%)	
20.0	0.0		0.0		100.0	
14.0	0.0		0.0		100.0	
10.0	0.0		0.0		100.0	
5.0	0.0		0.0		100.0	
2.0	8.3		8.3		91.7	
0.600	60.8		60.8		30.9	
0.425	18.2		18.2		12.7	
0.300	7.5		7.5		5.2	
0.212	3.0		3.0		2.2	
0.150	1.2		1.2		1.0	
0.063	0.6		0.6		0.4	
Pan	Note: Wt.Retained during DRY sieving do not include WET sieving portion passing 63 micron					
Test Method: BS1377: 1990, Part 2, Clause 9.5					HYDROMETER	
m_1 , gm: - Particle Density: -			Viscosity of Water: 0.834 mPa s Temperature: 28 °C		Menicus Corr.,cm: 0.50 Disper.Sol, 0.9995,Rd: -0,5	
Elapsed Time t (min)	Hydrometer Reading Rh'	True Reading Rh	Effective Depth Hr (mm)	Modified Reading R	Particle Diameter D (mm)	% Finer
Sample No.		Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %
S-3H, 03.10.2017 m.		o	0		92	8



CLAY	SILT			SAND			GRAVEL		
	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE	FINE	MEDIUM	COARSE

Tested by: Hasnah/Nor

Approved Signatory

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