

A P P E N D I C E S

Appendix A

Laboratory Tests Result

PARTICLE SIZE DISTRIBUTION

TEST REPORT

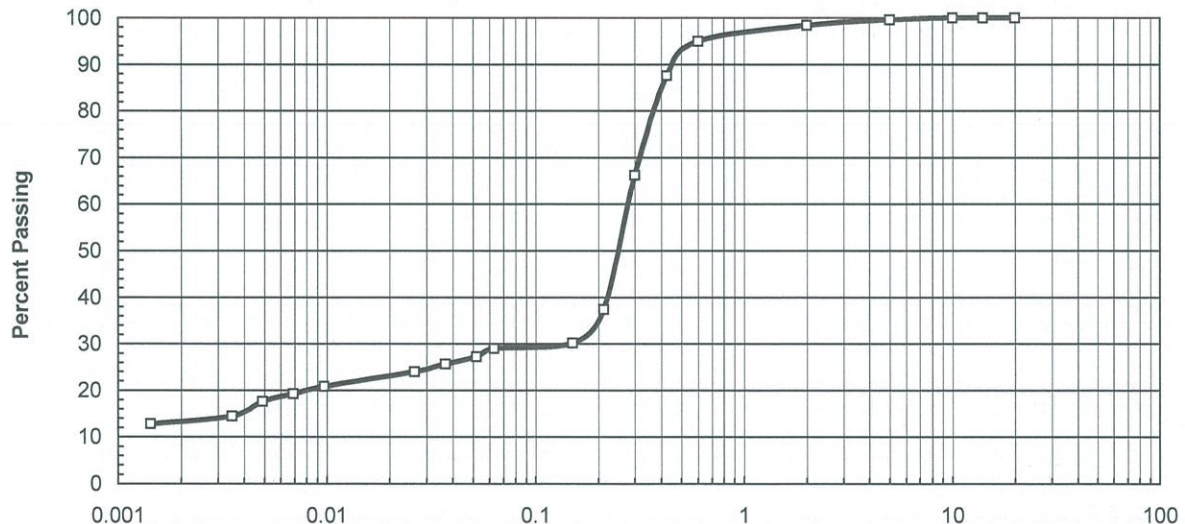
Project : 62801718
Location:
Customer: DHI Water & Environment (M) S/B
3A01 & 02, Block G, Pusat Dagangan Phileo Damansara 1,
No.9, Jln 16/11, Off Jln Damansara, 46350 Petaling Jaya, Selangor

Lab Ref.: **L190041/PS**
Sample No. : **S1**
Depth, m. : **-**
Receive Date : **21.02.2019**
Test Date : **23.02.2019**
Tested by : **Hasnah / Nor**

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	0.2	0.4	99.6
2.0	0.6	1.2	98.4
0.600	1.7	3.4	95.0
0.425	3.7	7.4	87.6
0.300	10.7	21.4	66.2
0.212	14.4	28.8	37.4
0.150	3.6	7.2	30.2
0.063	0.6	1.2	29.0
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 / MS1056: 2005, Part 2, Clause 10.5					HYDROMETER	
m ₁ , gm: 50.0		Viscosity of Water: 0.834 mPa s		Meniscus Corr.,cm: 0.50		
Particle Density: 2.66		Temperature: 28 °C		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	0.0519	27.2
2	7.5	8.0	177.1	8.0	0.0369	25.6
4	7.0	7.5	179.0	7.5	0.0262	24.0
30	6.0	6.5	182.8	6.5	0.0097	20.8
60	5.5	6.0	184.7	6.0	0.0069	19.2
120	5.0	5.5	186.6	5.5	0.0049	17.6
240	4.0	4.5	190.4	4.5	0.0035	14.4
1440	3.5	4.0	192.3	4.0	0.0014	12.8

Sample No.	Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %
S1, - m.	o	13	16	69	2



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

NOTES:

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Approved Signatory

Wong
SOILPRO TECHNICAL SERVICES S.B.
380315-T

WONG KIM YUEN
Technical Manager

Issue Date
26.02.2018

PARTICLE SIZE DISTRIBUTION

TEST REPORT

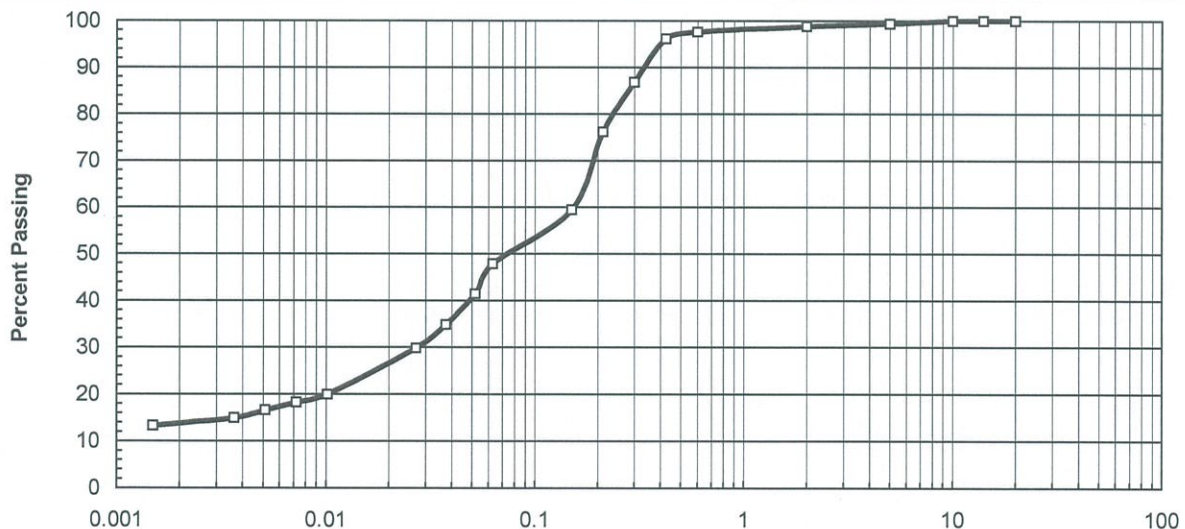
Project : 62801718
Location:
Customer: DHI Water & Environment (M) S/B
3A01 & 02, Block G, Pusat Dagangan Phileo Damansara 1,
No.9, Jln 16/11, Off Jln Damansara, 46350 Petaling Jaya, Selangor

Lab Ref.: **L190041/PS**
Sample No. : **S2**
Depth, m. : -
Receive Date : 21.02.2019
Test Date : 23.02.2019
Tested by : Hasnah / Nor

Test Method: BS1377:1990, Part 2, Cl 9.2 & 9.3 / MS1056:2005, Part 2, Cl 10.2 & 10.3			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	0.3	0.6	99.4	
2.0	0.3	0.6	98.8	
0.600	0.6	1.2	97.6	
0.425	0.7	1.4	96.2	
0.300	4.7	9.4	86.8	
0.212	5.3	10.6	76.2	
0.150	8.4	16.8	59.4	
0.063	5.8	11.6	47.8	
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 / MS1056: 2005, Part 2, Clause 10.5					HYDROMETER	
m_1 , gm: 50.0			Viscosity of Water: 0.834 mPa s		Meniscus Corr.,cm: 0.50	
Particle Density: 2.52			Temperature: 28 °C		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	12.0	12.5	160.0	12.5	0.0518	41.4
2	10.0	10.5	167.6	10.5	0.0375	34.8
4	8.5	9.0	173.3	9.0	0.0270	29.8
30	5.5	6.0	184.7	6.0	0.0102	19.9
60	5.0	5.5	186.6	5.5	0.0072	18.2
120	4.5	5.0	188.5	5.0	0.0051	16.6
240	4.0	4.5	190.4	4.5	0.0036	14.9
1440	3.5	4.0	192.3	4.0	0.0015	13.3

Sample No.	Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %
S2, - m.	o	14	34	51	1



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

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Technical Manager

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

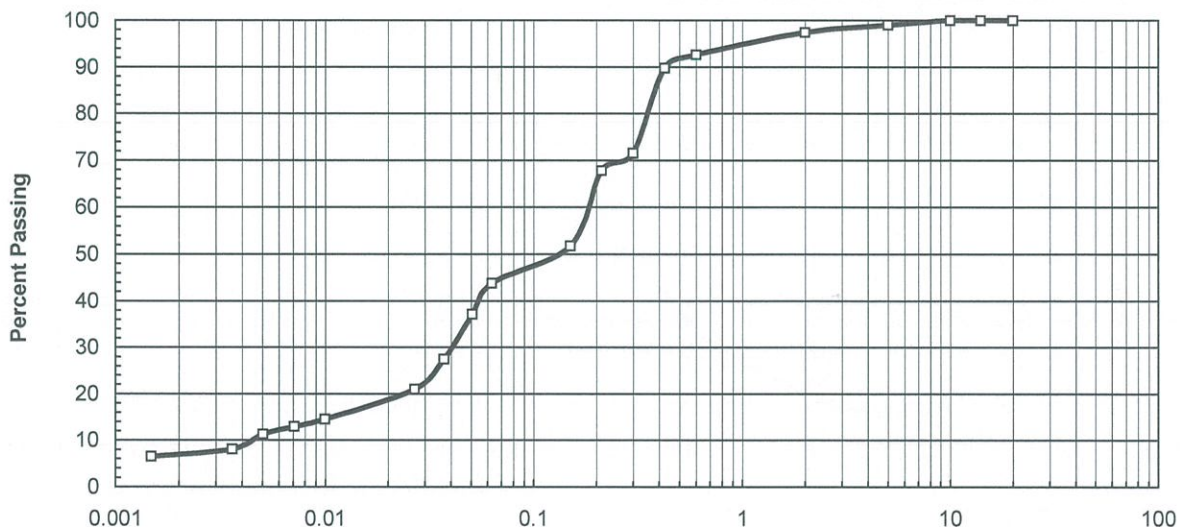
Project : 62801718
Location:
Customer: DHI Water & Environment (M) S/B
3A01 & 02, Block G, Pusat Dagangan Phileo Damansara 1,
No.9, Jln 16/11, Off Jln Damansara, 46350 Petaling Jaya, Selangor

Lab Ref.: **L190041/PS**
Sample No. : **S3**
Depth, m. : -
Receive Date : 21.02.2019
Test Date : 23.02.2019
Tested by : Hasnah / Nor

Test Method: BS1377:1990, Part 2, Cl 9.2 & 9.3 / MS1056:2005, Part 2, Cl 10.2 & 10.3			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	0.5	1.0	99.0	
2.0	0.8	1.6	97.4	
0.600	2.4	4.8	92.6	
0.425	1.4	2.8	89.8	
0.300	9.1	18.2	71.6	
0.212	1.9	3.8	67.8	
0.150	8.0	16.0	51.8	
0.063	4.0	8.0	43.8	
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 / MS1056: 2005, Part 2, Clause 10.5					HYDROMETER	
m_1 , gm: 50.0		Viscosity of Water: 0.834 mPa s		Meniscus Corr.,cm: 0.50		
Particle Density: 2.63		Temperature: 28 °C		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	11.0	11.5	163.8	11.5	0.0506	37.1
2	8.0	8.5	175.2	8.5	0.0370	27.4
4	6.0	6.5	182.8	6.5	0.0267	21.0
30	4.0	4.5	190.4	4.5	0.0100	14.5
60	3.5	4.0	192.3	4.0	0.0071	12.9
120	3.0	3.5	194.2	3.5	0.0050	11.3
240	2.0	2.5	198.0	2.5	0.0036	8.1
1440	1.5	2.0	199.9	2.0	0.0015	6.5

Sample No.	Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %
S3, - m.	o	7	37	53	3



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

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380315-T

PARTICLE SIZE DISTRIBUTION

Project : 62801718

Location:

Customer: DHI Water & Environment (M) S/B

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

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

TEST REPORT

Lab Ref.: **L190041/PS**

Sample No. : **S4**

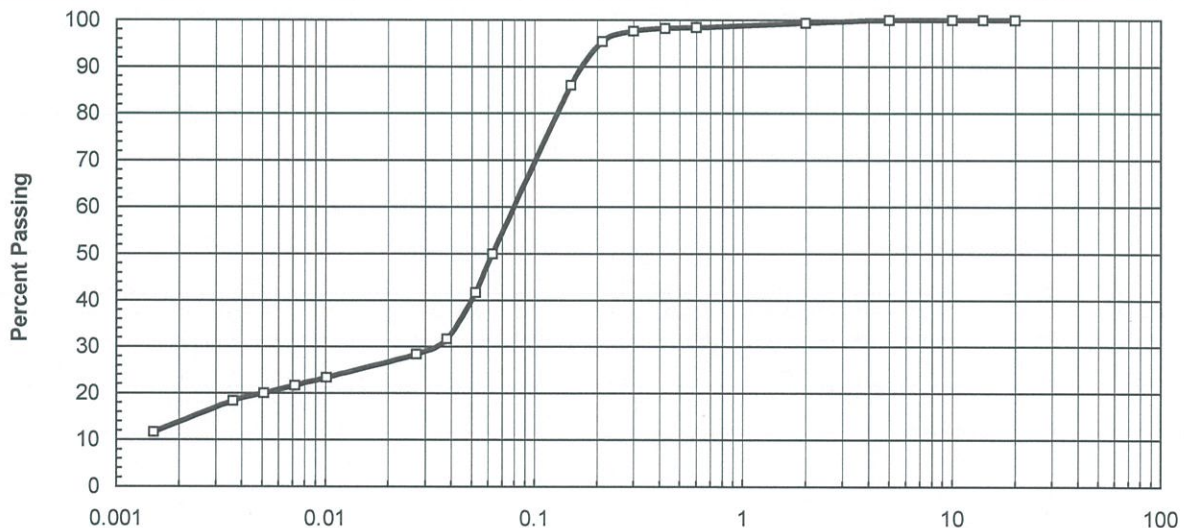
Depth, m. : -

Receive Date : 21.02.2019

Test Date : 23.02.2019

Tested by : Hasnah / Nor

Test Method: BS1377:1990, Part 2, Cl 9.2 & 9.3 / MS1056:2005, Part 2, Cl 10.2 & 10.3			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	0.3	0.6	99.4			
0.600	0.5	1.0	98.4			
0.425	0.1	0.2	98.2			
0.300	0.3	0.6	97.6			
0.212	1.1	2.2	95.4			
0.150	4.7	9.4	86.0			
0.063	18.0	36.0	50.0			
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 / MS1056: 2005, Part 2, Clause 10.5			HYDROMETER			
m_1 , gm: 50.0 Particle Density: 2.50			Viscosity of Water: 0.834 mPa s Temperature: 28 °C		Meniscus 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	12.0	12.5	160.0	12.5	0.0522	41.7
2	9.0	9.5	171.4	9.5	0.0382	31.7
4	8.0	8.5	175.2	8.5	0.0273	28.3
30	6.5	7.0	180.9	7.0	0.0101	23.3
60	6.0	6.5	182.8	6.5	0.0072	21.7
120	5.5	6.0	184.7	6.0	0.0051	20.0
240	5.0	5.5	186.6	5.5	0.0036	18.3
1440	3.0	3.5	194.2	3.5	0.0015	11.7
Sample No.	Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %	
S4, - m.	o	14	36	49	1	



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

Approved Signatory

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Technical Manager

Issue Date
26.02.2018

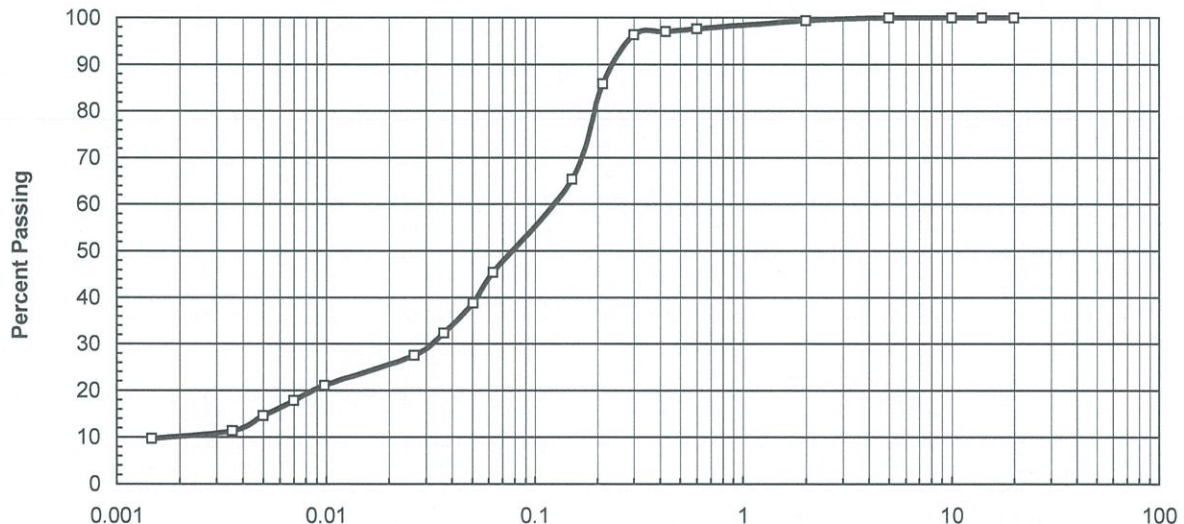
PARTICLE SIZE DISTRIBUTION

TEST REPORT

Project : 62801718
Location:
Customer: DHI Water & Environment (M) S/B
3A01 & 02, Block G, Pusat Dagangan Phileo Damansara 1,
No.9, Jln 16/11, Off Jln Damansara, 46350 Petaling Jaya, Selangor

Lab Ref.: **L190041/PS**
Sample No. : **S5**
Depth, m. : -
Receive Date : 21.02.2019
Test Date : 23.02.2019
Tested by : Hasnah / Nor

Test Method: BS1377:1990, Part 2, Cl 9.2 & 9.3 / MS1056:2005, Part 2, Cl 10.2 & 10.3				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	0.3	0.6	99.4			
0.600	0.9	1.8	97.6			
0.425	0.3	0.6	97.0			
0.300	0.3	0.6	96.4			
0.212	5.3	10.6	85.8			
0.150	10.2	20.4	65.4			
0.063	10.0	20.0	45.4			
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 / MS1056: 2005, Part 2, Clause 10.5				HYDROMETER		
m_1 , gm: 50.0		Viscosity of Water: 0.834 mPa s		Meniscus Corr.,cm: 0.50		
Particle Density: 2.62		Temperature: 28 °C		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	11.5	12.0	161.9	12.0	0.0505	38.8
2	9.5	10.0	169.5	10.0	0.0365	32.3
4	8.0	8.5	175.2	8.5	0.0263	27.5
30	6.0	6.5	182.8	6.5	0.0098	21.0
60	5.0	5.5	186.6	5.5	0.0070	17.8
120	4.0	4.5	190.4	4.5	0.0050	14.6
240	3.0	3.5	194.2	3.5	0.0036	11.3
1440	2.5	3.0	196.1	3.0	0.0015	9.7
Sample No.	Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %	
S5, - m.	o	10	35	54	1	



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

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

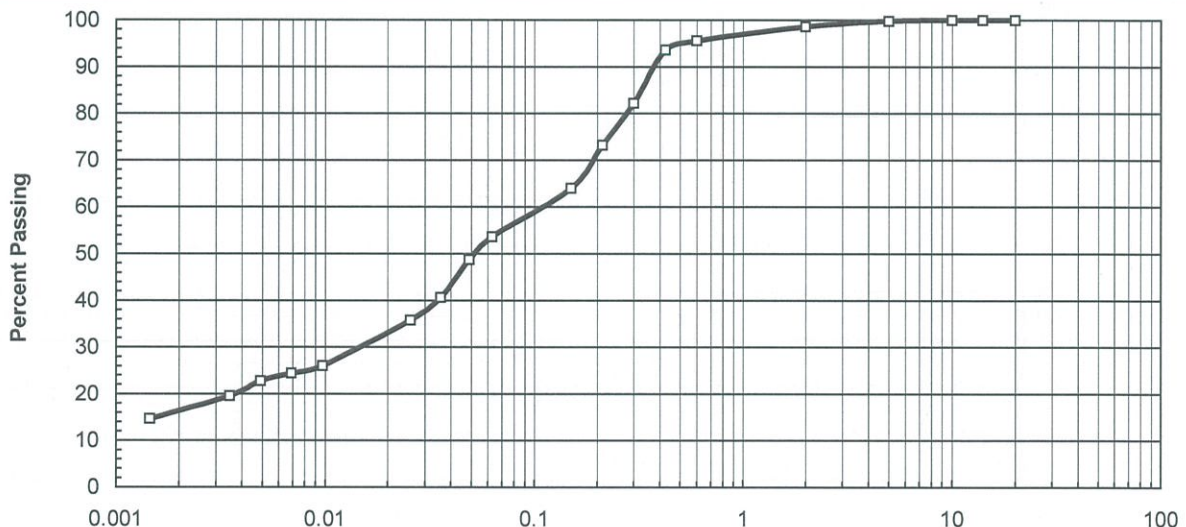
Project : 62801718
Location:
Customer: DHI Water & Environment (M) S/B
3A01 & 02, Block G, Pusat Dagangan Phileo Damansara 1,
No.9, Jln 16/11, Off Jln Damansara, 46350 Petaling Jaya, Selangor

Lab Ref.: **L190041/PS**
Sample No. : **S6**
Depth, m. : -
Receive Date : 21.02.2019
Test Date : 23.02.2019
Tested by : Hasnah / Nor

Test Method: BS1377:1990, Part 2, CI 9.2 & 9.3 / MS1056:2005, Part 2, CI 10.2 & 10.3			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	0.1	0.2	99.8			
2.0	0.6	1.2	98.6			
0.600	1.5	3.0	95.6			
0.425	1.0	2.0	93.6			
0.300	5.7	11.4	82.2			
0.212	4.5	9.0	73.2			
0.150	4.6	9.2	64.0			
0.063	5.2	10.4	53.6			
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 / MS1056: 2005, Part 2, Clause 10.5				HYDROMETER		
m_1 , gm: 50.0		Viscosity of Water: 0.834 mPa s		Menicus Corr., cm: 0.50		
Particle Density: 2.60		Temperature: 28 °C		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	14.5	15.0	150.5	15.0	0.0490	48.7
2	12.0	12.5	160.0	12.5	0.0357	40.6
4	10.5	11.0	165.7	11.0	0.0257	35.7
30	7.5	8.0	177.1	8.0	0.0097	26.0
60	7.0	7.5	179.0	7.5	0.0069	24.4
120	6.5	7.0	180.9	7.0	0.0049	22.7
240	5.5	6.0	184.7	6.0	0.0035	19.5
1440	4.0	4.5	190.4	4.5	0.0015	14.6

Sample No.	Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %
S6, - m.	o	16	38	45	1



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

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380315-T

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Technical Manager

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PARTICLE SIZE DISTRIBUTION

TEST REPORT

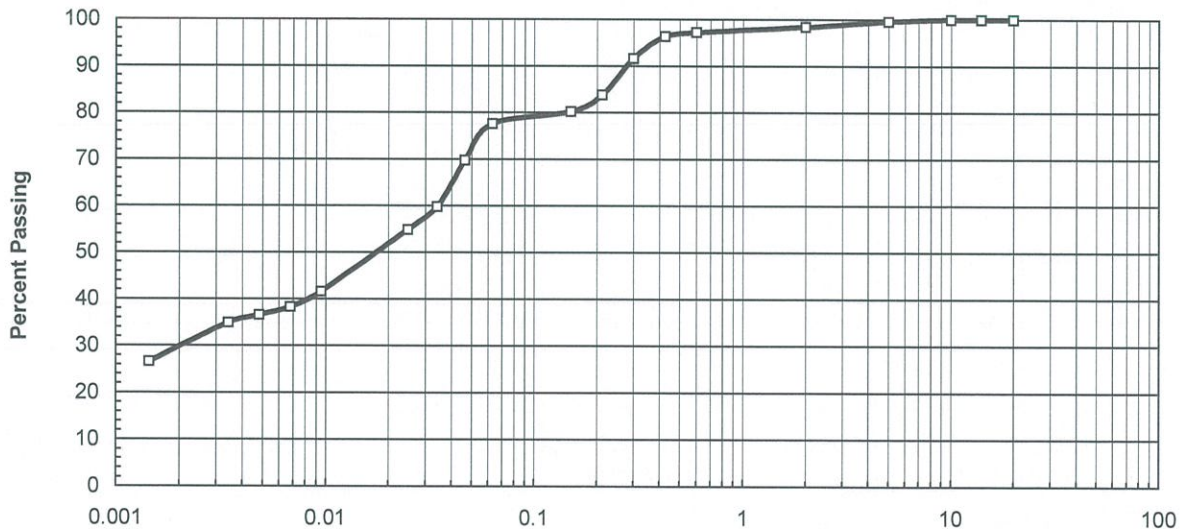
Project : 62801718
Location:
Customer: DHI Water & Environment (M) S/B
3A01 & 02, Block G, Pusat Dagangan Phileo Damansara 1,
No.9, Jln 16/11, Off Jln Damansara, 46350 Petaling Jaya, Selangor

Lab Ref.: L190041/PS
Sample No. : S9
Depth, m. : -
Receive Date : 21.02.2019
Test Date : 23.02.2019
Tested by : Hasnah / Nor

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	0.2	0.4	99.6
2.0	0.6	1.2	98.4
0.600	0.6	1.2	97.2
0.425	0.4	0.8	96.4
0.300	2.4	4.8	91.6
0.212	3.9	7.8	83.8
0.150	1.8	3.6	80.2
0.063	1.3	2.6	77.6
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 / MS1056: 2005, Part 2, Clause 10.5					HYDROMETER	
m ₁ , gm: 50.0		Viscosity of Water: 0.834 mPa s		Menicus Corr.,cm: 0.50		
Particle Density: 2.51		Temperature: 28 °C		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	20.5	21.0	127.7	21.0	0.0465	69.8
2	17.5	18.0	139.1	18.0	0.0343	59.8
4	16.0	16.5	144.8	16.5	0.0247	54.9
30	12.0	12.5	160.0	12.5	0.0095	41.6
60	11.0	11.5	163.8	11.5	0.0068	38.2
120	10.5	11.0	165.7	11.0	0.0048	36.6
240	10.0	10.5	167.6	10.5	0.0034	34.9
1440	7.5	8.0	177.1	8.0	0.0014	26.6

Sample No.	Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %
S9, - m.	o	30	48	20	2



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

NOTES:

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380315-T

WONG KIM YUEN
Technical Manager

Issue Date
26.02.2018

PARTICLE SIZE DISTRIBUTION

TEST REPORT

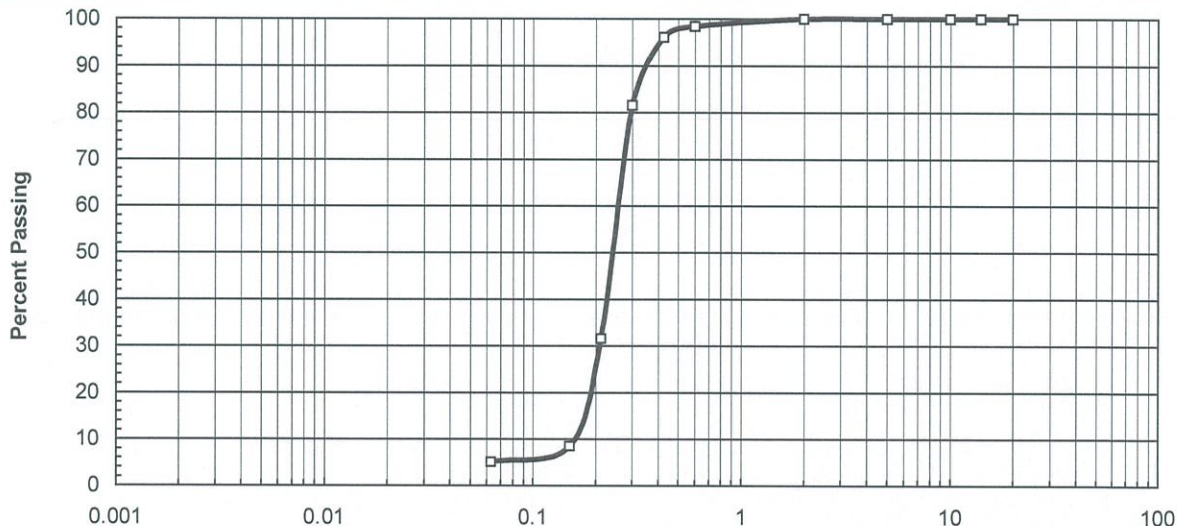
Project : 62801718
Location:
Customer: DHI Water & Environment (M) S/B
3A01 & 02, Block G, Pusat Dagangan Phileo Damansara 1,
No.9, Jln 16/11, Off Jln Damansara, 46350 Petaling Jaya, Selangor

Lab Ref.: **L190041/PS**
Sample No. : **S10**
Depth, m. : -
Receive Date : 21.02.2019
Test Date : 23.02.2019
Tested by : Hasnah / Nor

Test Method: BS1377:1990, Part 2, CI 9.2 & 9.3 / MS1056:2005, Part 2, CI 10.2 & 10.3			Initial soil mass, m_1 :
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	1.6	1.6	98.4
0.425	2.3	2.3	96.1
0.300	14.5	14.5	81.6
0.212	50.0	50.0	31.6
0.150	23.1	23.1	8.5
0.063	3.4	3.4	5.1
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 / MS1056: 2005, Part 2, Clause 10.5				HYDROMETER		
m_1 , gm: -		Viscosity of Water: 0.834 mPa s		Meniscus Corr.,cm: 0.50		
Particle Density: -		Temperature: 28 °C		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, %
S10, - m.	o	5	95	0	0



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

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.

Approved Signatory

Wong
SOILPRO TECHNICAL SERVICES S.B.
380315-T

WONG KIM YUEN
Technical Manager

Issue Date
26.02.2018

TEST REPORT

PARTICLE SIZE DISTRIBUTION

Project : 62802515

Location:

Customer: **DHI Water & Environment (M) S/B**

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

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

Lab Ref.: **L200070/PS**

Sample No. : **SS11**

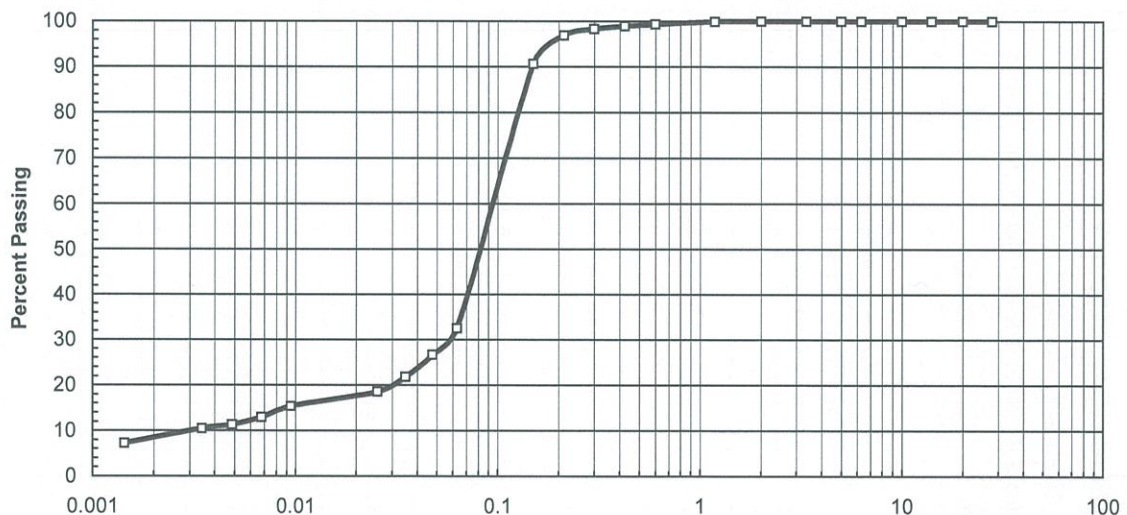
Depth, m. : -

Receive Date : 05.03.2020

Test Date : 10.03.2020

Tested by : Hasnah / Nor

Test Method: BS1377:1990, Part 2, Cl 9.2 & 9.3 / MS1056:2005, Part 2, Cl 10.2 & 10.3				Initial soil mass, m_1 : 100.0 gm.		
SIZE (mm)	WT.OF SOIL RETAINED, (gm)	PERCENT RETAINED, (%)	SIEVE PERCENT PASSING, (%)			
28.0	0.0	0.0	100.0			
20.0	0.0	0.0	100.0			
14.0	0.0	0.0	100.0			
10.0	0.0	0.0	100.0			
6.3	0.0	0.0	100.0			
5.0	0.0	0.0	100.0			
3.35	0.0	0.0	100.0			
2.00	0.0	0.0	100.0			
1.18	0.1	0.1	99.9			
0.600	0.6	0.6	99.3			
0.425	0.4	0.4	98.9			
0.300	0.6	0.6	98.3			
0.212	1.4	1.4	96.9			
0.150	6.3	6.3	90.6			
0.063	58.1	58.1	32.5			
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 / MS1056: 2005, Part 2, Clause 10.5				HYDROMETER		
m_1 , gm: 100.0		Viscosity of Water: 0.834 mPa s		Meniscus Corr.,cm: 0.50		
Particle Density: 2.63		Temperature: 28 °C		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	16.0	16.5	144.8	16.5	0.0476	26.6
2	13.0	13.5	156.2	13.5	0.0350	21.8
4	11.0	11.5	163.8	11.5	0.0253	18.6
30	9.0	9.5	171.4	9.5	0.0095	15.3
60	7.5	8.0	177.1	8.0	0.0068	12.9
120	6.5	7.0	180.9	7.0	0.0049	11.3
240	6.0	6.5	182.8	6.5	0.0035	10.5
1440	4.0	4.5	190.4	4.5	0.0014	7.3
Sample No.	Symbol	CLAY, %	SILT, %	SAND, %	GRAVEL, %	
SS11, - m.	o	8	25	67	0	





Lab No. : BBR00124,00125,00126,00127,00128,00129,00130,00131/0319 Date Of Testing : 02.03.2019
 E Date Of Report : 07.03.2019
 Company Name : DHI Water & Environment (M) Sdn Bhd Sample No. : BBR00124,00125,00126
 Branch Name : DHI /0319E
 Company Address : 3A 01&02 Block G, Pusat Phileo Damasara 1, No 9, Jalan Date Received : 02.03.2019
 16/11, Off Jalan Damansara, 46350 Petaling Jaya, Selangor, Date Of Request : 02.03.2019
 Malaysia
 Reference No. : -
 Type Of Sample : Marine Water
 Date Of Sampling : 28.02.2019

CERTIFICATE OF ANALYSIS

Sample Description : West Port, Klang ; SN: 62801718

Test Parameter	Unit	1718	1718	1718	Test Method
		WQ01[M]	WQ02[M]	WQ03[M]	
		FLD NIP	FLD NIP	FLD NIP	
		BBR00124	BBR00125	BBR00126	
Total Suspended Solid, TSS	mg/L	13	11	32	APHA 2540 D



MS ISO/IEC 17025
TESTING
SAMM NO. 573

ONG CHIANG HOCK
B.Sc.(Hons), MIMLS, AMIC
MJMM 0577, IKM M/1664/3921/98
CEO/Chemist

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The results relate only to the items tested.

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Tel: +604-3333448, 3246722 Fax: +604-3239513 Email: bpf@bphealthcare.com

Microbiology Laboratory (SAMM No. 854)
68, 5th Floor, Jalan Pertama 1, Pusat Perdagangan Danga Utama, 81300 Skudai,
Johor Bahru, Johor, Malaysia. Tel: +607-5500315 Fax: +607-5500316



Lab No. : BBR00124,00125,00126,00127,00128,00129,00130,00131/0319 Date Of Testing : 02.03.2019
 E Date Of Report : 07.03.2019
 Company Name : DHI Water & Environment (M) Sdn Bhd Sample No. : BBR00127,00128,00129
 Branch Name : DHI /0319E
 Company Address : 3A 01&02 Block G, Pusat Phileo Damasara 1, No 9, Jalan Date Received : 02.03.2019
 16/11, Off Jalan Damansara, 46350 Petaling Jaya, Selangor, Date Of Request : 02.03.2019
 Malaysia
 Reference No. : -
 Type Of Sample : Marine Water
 Date Of Sampling : 28.02.2019

CERTIFICATE OF ANALYSIS

Sample Description : West Port, Klang ; SN: 62801718

Test Parameter	Unit	1718	1718	1718	Test Method
		WQ04[M]	WQ01[M]	WQ02[M]	
		FLD NIP	EBB NIP	EBB NIP	
		BBR00127	BBR00128	BBR00129	
Total Suspended Solid, TSS	mg/L	8	6	9	APHA 2540 D



MS ISO/IEC 17025
TESTING
SAMM NO. 573

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CEO/Chemist

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Johor Bahru, Johor, Malaysia. Tel: +607-5500315 Fax: +607-5500316



Lab No. : BBR00124,00125,00126,00127,00128,00129,00130,00131/0319 Date Of Testing : 02.03.2019
 E Date Of Report : 07.03.2019
 Company Name : DHI Water & Environment (M) Sdn Bhd Sample No. : BBR00130,00131/0319
 Branch Name : DHI E
 Company Address : 3A 01&02 Block G, Pusat Phileo Damasara 1, No 9, Jalan Date Received : 02.03.2019
 16/11, Off Jalan Damansara, 46350 Petaling Jaya, Selangor, Date Of Request : 02.03.2019
 Malaysia
 Reference No. : -
 Type Of Sample : Marine Water
 Date Of Sampling : 28.02.2019

CERTIFICATE OF ANALYSIS

Sample Description : West Port, Klang ; SN: 62801718

Test Parameter	Unit	1718 WQ03[M]	1718 WQ04[M]	Test Method
		EBB NIP	EBB NIP	
		BBR00130	BBR00131	
Total Suspended Solid, TSS	mg/L	5	5	APHA 2540 D

Remarks

1. APHA : Standard Methods for the Examination of Water & Wastewater, 21st Edition (2005)



MS ISO/IEC 17025
 TESTING
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