Soilpro
Soil properties applied to geotechnical engineering

SOILPRO TECHNICAL SERVICES SDN BHD (380315-T)
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eMail: labtest@soilpro.com.my Website: http://soilpro.com.my

PARTICLE SIZE DISTRIBUTION

TEST REPORT No. L170310/PS/S-2B

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

Lab Ref.: **L170310**
Sample No. : **S-2B**
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.

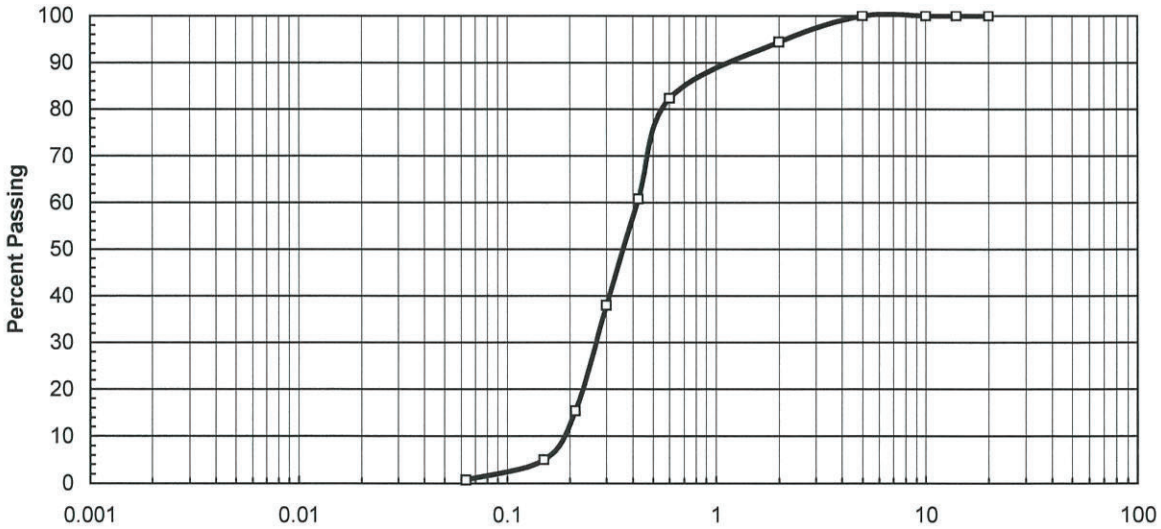
SIZE (mm)	WT.OF SOIL RETAINED, (gm)	PERCENT RETAINED, (%)	**SIEVE PERCENT PASSING, (%)**
20.0	0.0	0.0	100.0
14.0	0.0	0.0	100.0
10.0	0.0	0.0	100.0
5.0	0.0	0.0	100.0
2.0	5.6	5.6	94.4
0.600	12.1	12.1	82.3
0.425	21.5	21.5	60.8
0.300	22.9	22.9	37.9
0.212	22.5	22.5	15.4
0.150	10.4	10.4	5.0
0.063	4.3	4.3	0.7
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-2B, 03.10.2017 m.	o	1		93	6



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

Tested by: Hasnah/Nor

Approved Signatory

NOTES:
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WONG KIM YUEN
Technical Manager

SOILPRO TECHNICAL SERVICES S.B. 380315-T

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PARTICLE SIZE DISTRIBUTION

TEST REPORT No. L170310/PS/S-2C

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

Lab Ref.: **L170310**
Sample No. : **S-2C**
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.

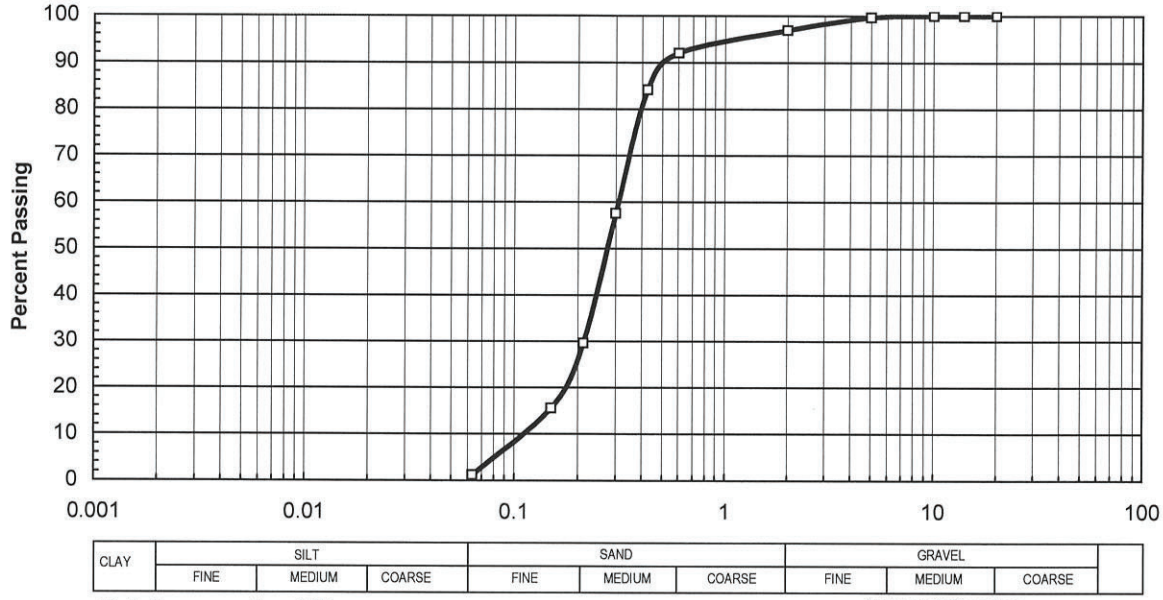
SIZE (mm)	WT.OF SOIL RETAINED, (gm)	PERCENT RETAINED, (%)	**SIEVE PERCENT PASSING, (%)**
20.0	0.0	0.0	100.0
14.0	0.0	0.0	100.0
10.0	0.0	0.0	100.0
5.0	0.3	0.3	99.7
2.0	2.8	2.8	96.9
0.600	4.9	4.9	92.0
0.425	7.8	7.8	84.2
0.300	26.6	26.6	57.6
0.212	28.0	28.0	29.6
0.150	14.0	14.0	15.6
0.063	14.4	14.4	1.2
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-2C, 03.10.2017 m.	o	1		96	3



Tested by: Hasnah/Nor

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PARTICLE SIZE DISTRIBUTION

TEST REPORT No. L170310/PS/S-2D

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

Lab Ref.: **L170310**
Sample No. : **S-2D**
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.

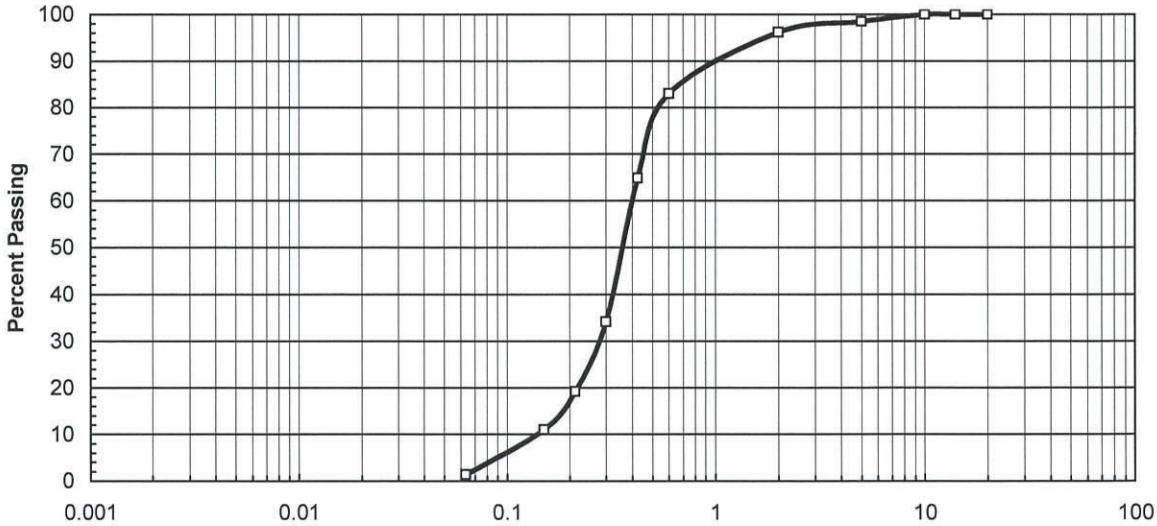
SIZE (mm)	WT.OF SOIL RETAINED, (gm)	PERCENT RETAINED, (%)	**SIEVE PERCENT PASSING, (%)**
20.0	0.0	0.0	100.0
14.0	0.0	0.0	100.0
10.0	0.0	0.0	100.0
5.0	1.5	1.5	98.5
2.0	2.3	2.3	96.2
0.600	13.2	13.2	83.0
0.425	18.1	18.1	64.9
0.300	30.7	30.7	34.2
0.212	15.0	15.0	19.2
0.150	8.2	8.2	11.0
0.063	9.6	9.6	1.4
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: - Viscosity of Water: 0.834 mPa s Menicus 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, %
S-2D, 03.10.2017 m.	o	1		95	4



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

Tested by: Hasnah/Nor

Approved Signatory

Wong

WONG KIM YUEN
Technical Manager

SOILPRO TECHNICAL SERVICES S.B. 380315-T

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PARTICLE SIZE DISTRIBUTION

TEST REPORT No. L170310/PS/S-2E

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

Lab Ref.: **L170310**
Sample No. : **S-2E**
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.

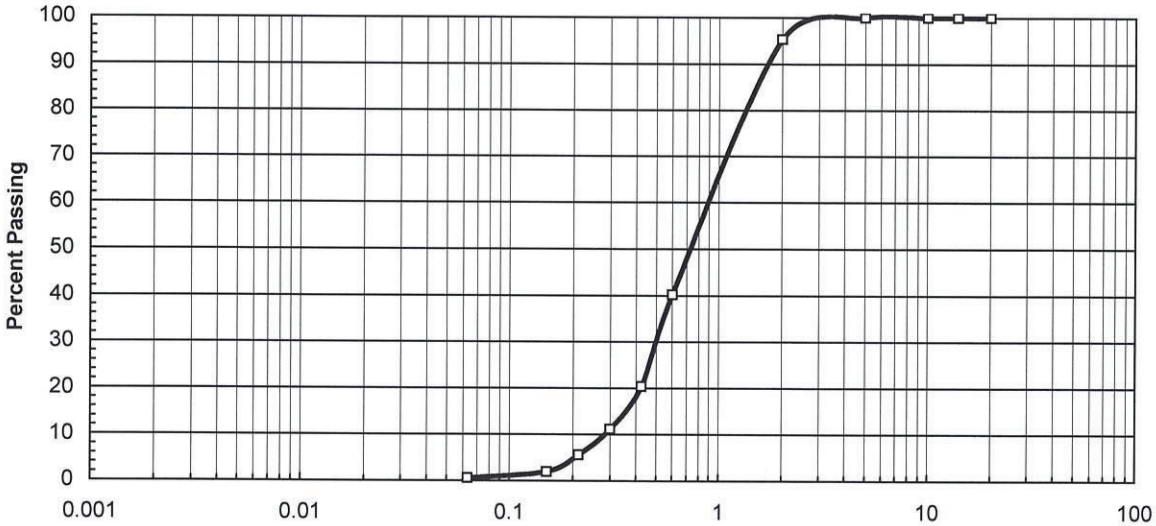
SIZE (mm)	WT.OF SOIL RETAINED, (gm)	PERCENT RETAINED, (%)	**SIEVE PERCENT PASSING, (%)**
20.0	0.0	0.0	100.0
14.0	0.0	0.0	100.0
10.0	0.0	0.0	100.0
5.0	0.0	0.0	100.0
2.0	4.7	4.7	95.3
0.600	55.1	55.1	40.2
0.425	19.8	19.8	20.4
0.300	9.2	9.2	11.2
0.212	5.6	5.6	5.6
0.150	3.6	3.6	2.0
0.063	1.4	1.4	0.6
Pan	Note: 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: -
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-2E, 03.10.2017 m.	o	1		94	5



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

Tested by: Hasnah/Nor

Approved Signatory

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PARTICLE SIZE DISTRIBUTION

TEST REPORT No. L170310/PS/S-2F

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

Lab Ref.: **L170310**
Sample No. : **S-2F**
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.

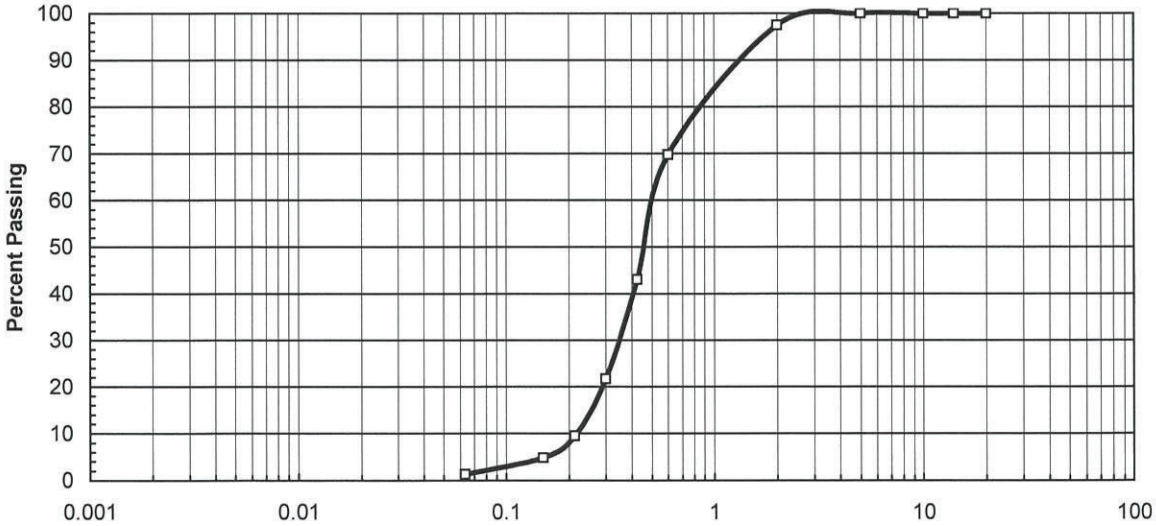
SIZE (mm)	WT.OF SOIL RETAINED, (gm)	PERCENT RETAINED, (%)	**SIEVE PERCENT PASSING, (%)**
20.0	0.0	0.0	100.0
14.0	0.0	0.0	100.0
10.0	0.0	0.0	100.0
5.0	0.0	0.0	100.0
2.0	2.5	2.5	97.5
0.600	27.7	27.7	69.8
0.425	26.8	26.8	43.0
0.300	21.3	21.3	21.7
0.212	12.2	12.2	9.5
0.150	4.6	4.6	4.9
0.063	3.6	3.6	1.3
Pan	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-2F, 03.10.2017 m.	o	1		97	2



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

Tested by: Hasnah/Nor

Approved Signatory

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