
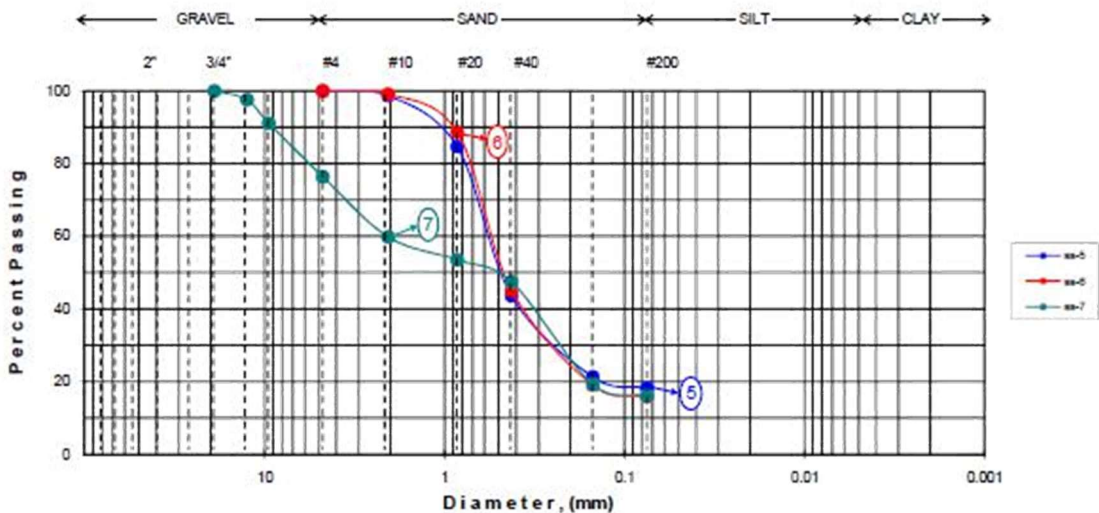
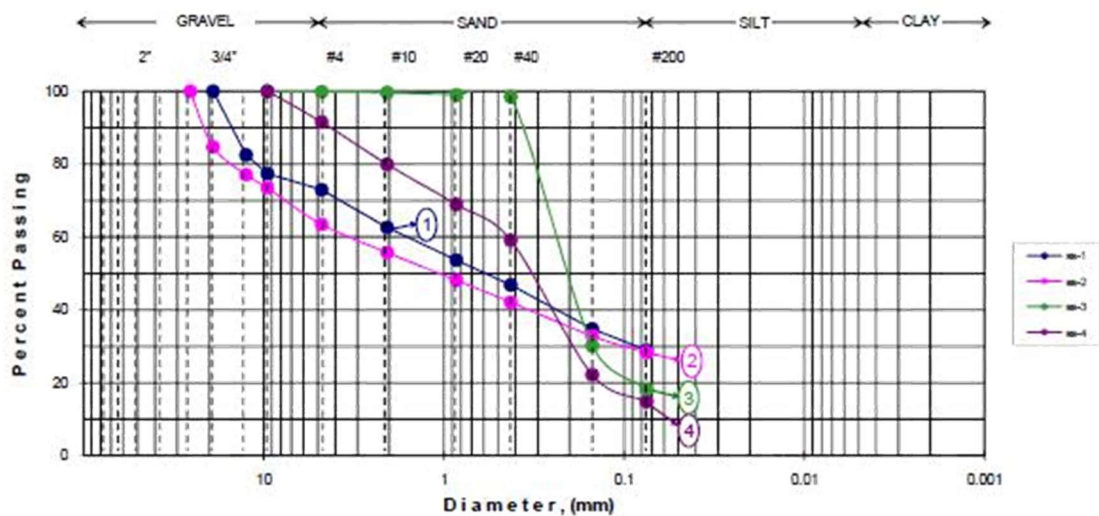


BOREHOLE LOG			BORING NO.: <u>BH-2</u> FINAL DEPTH: <u>30.45 m.</u> ELEVATION: <u>No. info.</u> GWT: <u>1.20 m.</u> DATE STARTED: <u>Sept. 20, 2015</u> DATE FINISHED: <u>Sept. 21, 2015</u>			 <b>A G E S</b>						
PROJECT : <u>PROPOSED SEWAGE TREATMENT PLANT</u> <u>FOR ZAMBOANGA WATER DISTRICT</u>												
LOCATION : <u>MAGAY STREET, ZAMBOANGA CITY</u>												
DEPTH (m)	SAMPLE DESCRIPTION	SAMPLE NO.	CONSISTENCY	USCS	REC. RATIO			WATER CONTENT			P.I.	OTHER TEST RESULTS
					□	■	○	PL	NMC	LL		
					10	30	50	20	60	100		
30	(30.0-30.45 m.) Light brown, <i>fine to medium SAND</i> , with some fine gravel and little amount of non-plastic silt. (Rec: 45/20 cm)	ss-21	Dense	SM			30					
31												
32	<i>End of Borehole @ 30.45m. Depth</i>											
33												
34												
35												
36												
37												
38												
39												
40												

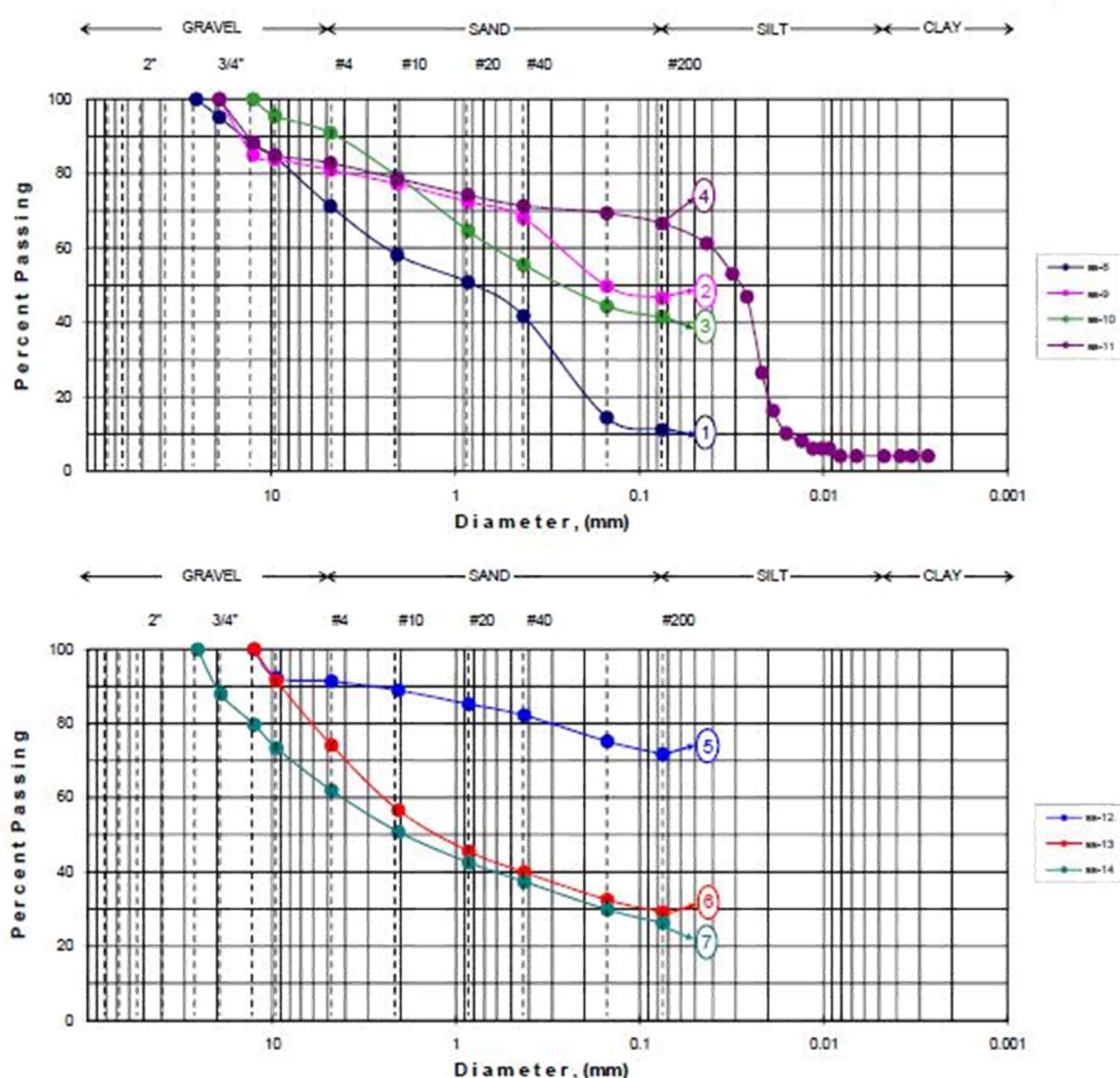
## GRAIN-SIZE DISTRIBUTION CURVES



PROJECT SITE: PROPOSED SEWAGE TREATMENT PLANT FOR ZAMBOANGA WATER DISTRICT,  
MAGAY STREET, ZAMBOANGA CITY

BH NO.	SAMPLE NO.	DEPTH (m)	CURVE NO.	NMC	LL	PL	PI	USCS	DESCRIPTION
BH-2	ss-1	1.00-1.45	1	20.18	27	19	8	SM	Gray, fine SAND, with some slightly plastic clay
BH-2	ss-2	2.00-2.45	2	15.50	28	19	9	GM-SM	Gray, SAND and GRAVEL mixture, some slightly plastic cla
BH-2	ss-3	3.00-3.45	3	30.39	NP	NP	NP	SM	Gray, fine SAND
BH-2	ss-4	4.50-4.95	4	26.36	NP	NP	NP	SM	Gray, fine SAND
BH-2	ss-5	6.00-6.45	5	24.74	NP	NP	NP	SM	Gray, fine SAND
BH-2	ss-6	7.50-7.95	6	24.66	NP	NP	NP	SM	Gray, fine SAND
BH-2	ss-7	9.00-9.45	7	21.95	NP	NP	NP	SM	Gray, fine SAND

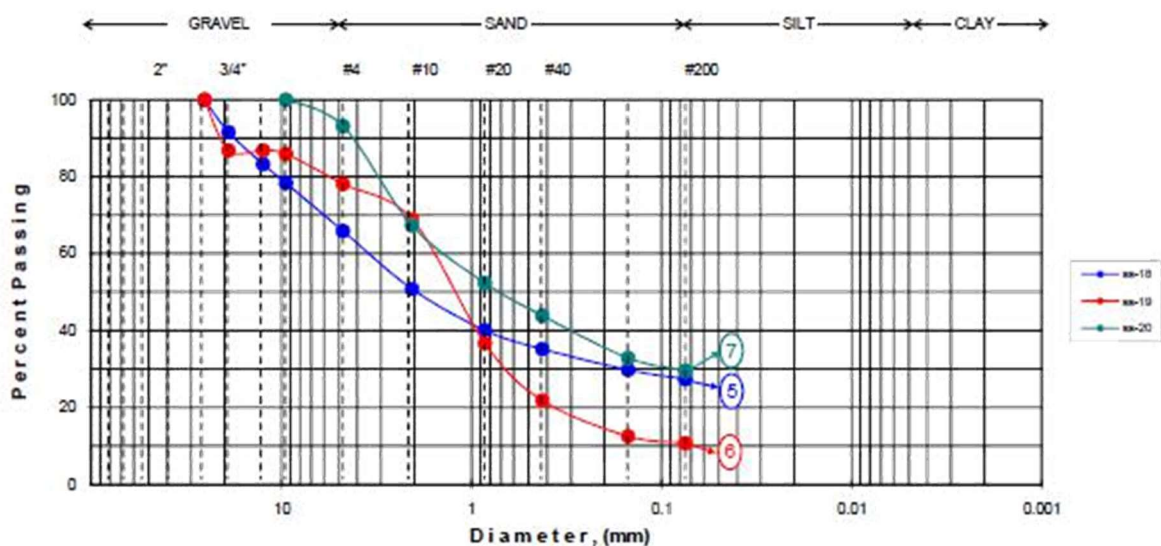
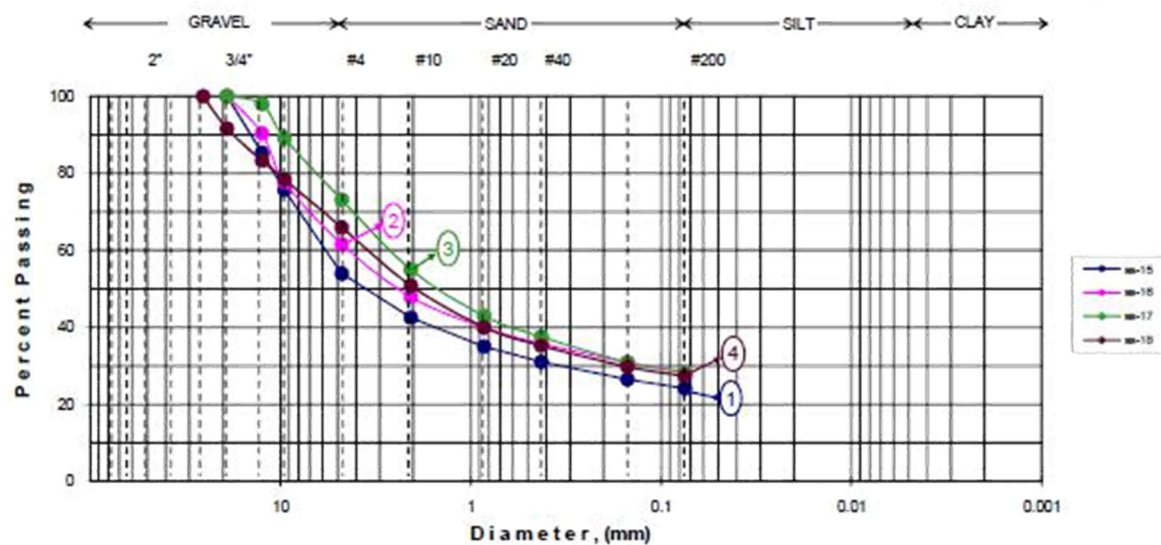
## GRAIN-SIZE DISTRIBUTION CURVES



PROJECT SITE: *PROPOSED SEWAGE TREATMENT PLANT FOR ZAMBOANGA WATER DISTRICT, MAGAY STREET, ZAMBOANGA CITY*

BH NO.	SAMPLE NO.	DEPTH(m)	CURV NO.	NMC	LL	PL	FI	USCS	DESCRIPTION
BH-2	ss-8	10.50-10.95	1	28.09	NP	NP	NP	SP-SM	Gray, fine SAND
BH-2	ss-9	12.00-12.45	2	38.26	57	25	32	CH	Gray, CLAY, high plastic, with limestone fragments
BH-2	ss-10	13.50-13.95	3	30.08	49	20	29	SC-CL	Gray, sand-sized LIMESTONE fragments and CLAY mixture, medium plastic
BH-2	ss-11	15.00-15.45	4	35.95	79	25	54	CH	Creamy white, CLAY, high plastic
BH-2	ss-12	16.50-16.95	5	38.64	77	23	54	CH	Creamy white, CLAY, high plastic
BH-2	ss-13	18.00-18.45	6	27.35	43	20	23	SM	Creamy white, sand-sized LIMESTONE fragments, with some medium plastic clay
BH-2	ss-14	19.50-19.95	7	22.51	34	20	14	SM	Creamy white, sand-sized LIMESTONE fragments, with some medium plastic clay

## GRAIN-SIZE DISTRIBUTION CURVES



PROJECT SITE: *PROPOSED SEWAGE TREATMENT PLANT FOR ZAMBOANGA WATER DISTRICT,  
MAGAY, ZAMBOANGA CITY*

BH NO.	SAMPLE NO.	DEPTH(m)	CURVEND.	NMC	LL	PL	FI	USCS	DESCRIPTION
BH-2	ss-15	21.00-21.45	1	21.91	Insufficient sample			GM	Creamy white, gravel-sized LIMESTONE fragments, with some slightly plastic clay
BH-2	ss-16	22.50-22.95	2	24.56	28	20	8	GM-SM	Creamy white, sand gravel-sized LIMESTONE fragments, with slightly plastic clay
BH-2	ss-17	24.00-24.45	3	23.31	Insufficient sample			SM	Creamy white, sand-sized LIMESTONE fragments, with some of slightly plastic clay
BH-2	ss-18	25.50-25.95	4	23.38	Insufficient sample			GM-SM	Creamy white, sand gravel-sized LIMESTONE fragments, with some slightly plastic clay
BH-2	ss-19	27.00-27.25	5	17.93	Insufficient sample			SP-SM	Creamy white, sand-sized LIMESTONE fragments, with little amount of slightly plastic clay
BH-2	ss-20	28.50-28.75	6	10.55	29	20	9	SM	Creamy white, sand-sized LIMESTONE fragments, with slightly plastic clay
BH-2	ss-21	30.00-30.45	7	13.85	NP	NP	NP	SM	Light brown, fine to medium SAND

**GEOANALYTICS, INC.**

CIVIL ENGINEERING LABORATORY  
 PGA TECHNICAL CENTER BLDG.  
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 E-mail: [pgamain.laboratory@gmail.com](mailto:pgamain.laboratory@gmail.com) - website: [www.pgatech.com.ph](http://www.pgatech.com.ph)

PROJECT : The Proposed Sewage Treatment Plant for Zamboanga Water District  
 LOCATION : Magay, Zamboanga City  
 CUSTOMER : AGES  
 ADDRESS : AGES, 103 Dunhill St. Fairview Quezon City  
 JOB NO. : 15-08823  
 SAMPLE : Soil  
 DESIRED TEST : Moisture content, Ash & Organic matter of peat & other organic soils  
 REFERENCE : ASTM D-2974-00 (2006 Edition)

**TEST REPORT**

Borehole No.	Sample No.	Depth (m)	Moisture Content (%)	Ash Content (%)	Organic Matter (%)
1	SS-13	19.50-19.95	33.6	96.5	3.5
2	SS-2	2.00-2.45	19.4	96.1	3.9

*This laboratory is responsible for test only.*

## Note :

- 1) Date Tested : October 14, 2015
- 2) Date Released : **OCT 17 2015**
- 3) Tested by : Verna G. Barcilla *Barcilla*
- 4) Furnace Temperature used for ash content determination was 440°C

Checked by: *Maricar K. Linga*  
**Maricar K. Linga**

Approved by: *J.E. Villaviray*  
**J.E. Villaviray**  
 Laboratory Manager

Page 1 of 1

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT WRITTEN APPROVAL OF THE LABORATORY

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