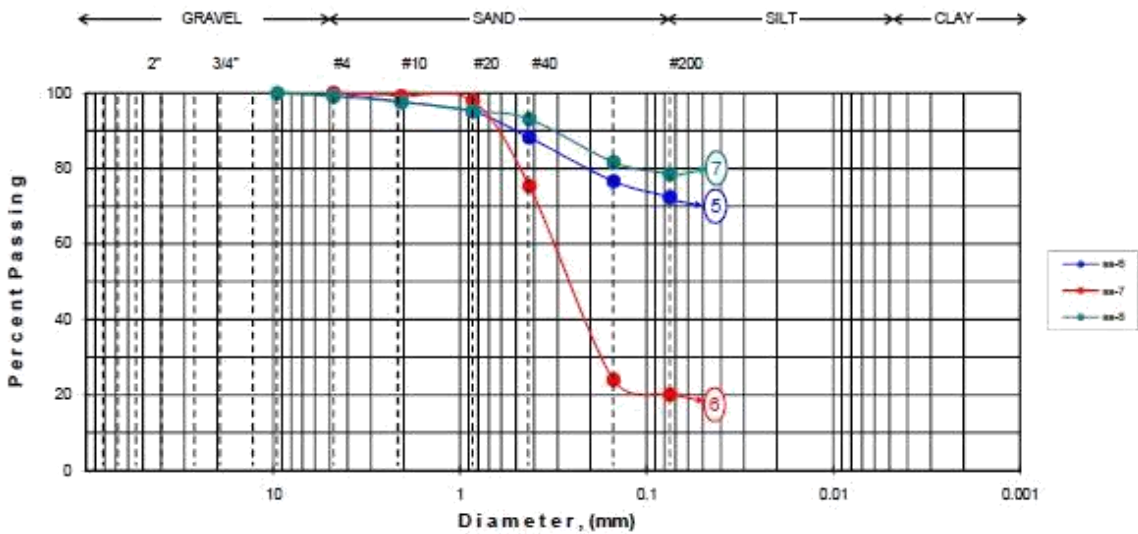
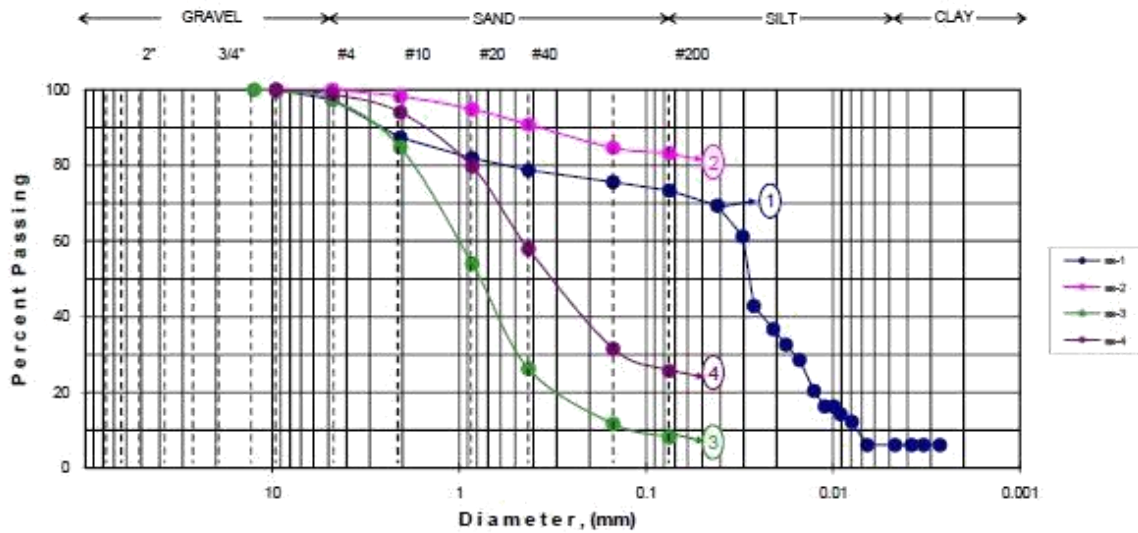


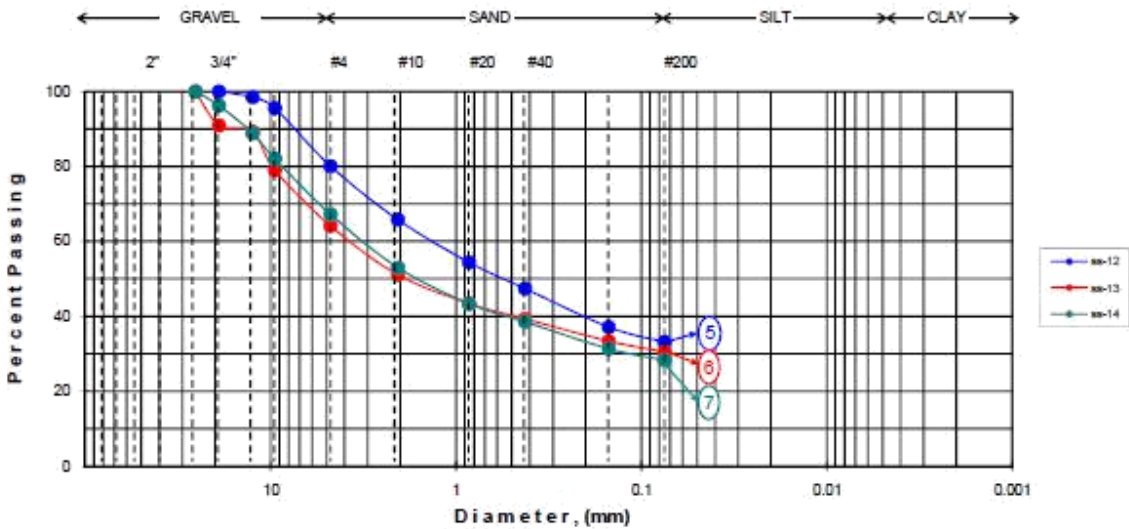
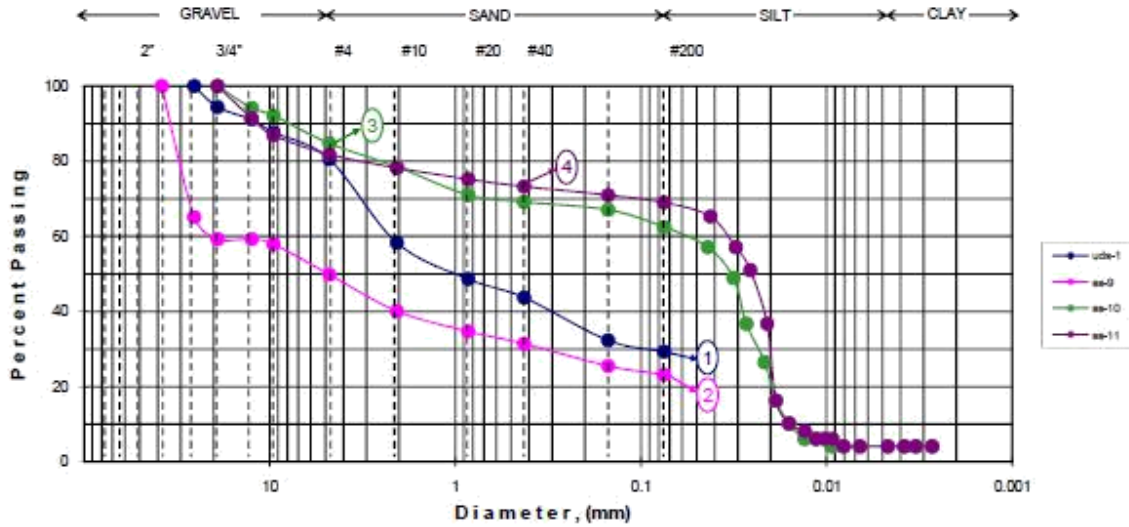
GRAIN-SIZE DISTRIBUTION CURVES



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

BH NO.	SAMPLE NO.	DEPTH(m)	CURV NO.	NMC	LL	PL	PI	USCS	DESCRIPTION
BH-1	ss-1	1.00-1.45	1	21.20	38	18	20	CL	Gray, silty CLAY, medium plastic
BH-1	ss-2	2.00-2.45	2	91.91	NP	NP	NP	ML	Dark gray, DECAYED materials
BH-1	ss-3	3.00-3.45	3	18.23	NP	NP	NP	SW-SM	Gray, fine to medium SAND
BH-1	ss-4	4.50-4.95	4	38.60	NP	NP	NP	SM	Dark gray, fine SAND
BH-1	ss-6	7.50-7.95	5	37.80	34	23	11	CL	Gray, silty CLAY, slightly plastic
BH-1	ss-7	9.00-9.45	6	45.99	NP	NP	NP	SM	Gray, fine SAND
BH-1	ss-8	10.50-10.95	7	61.37	98	35	63	CH	Gray, CLAY, high plastic

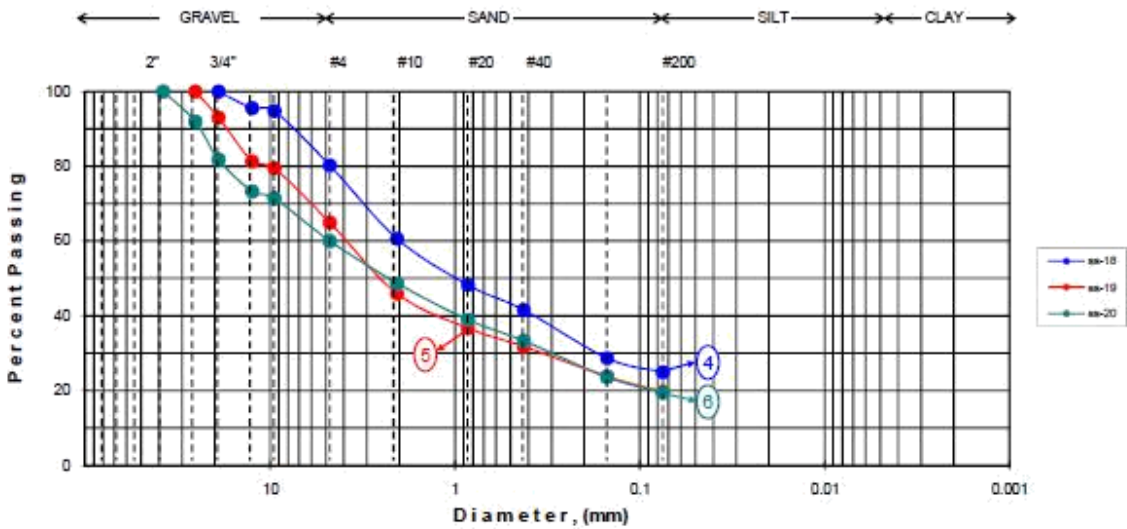
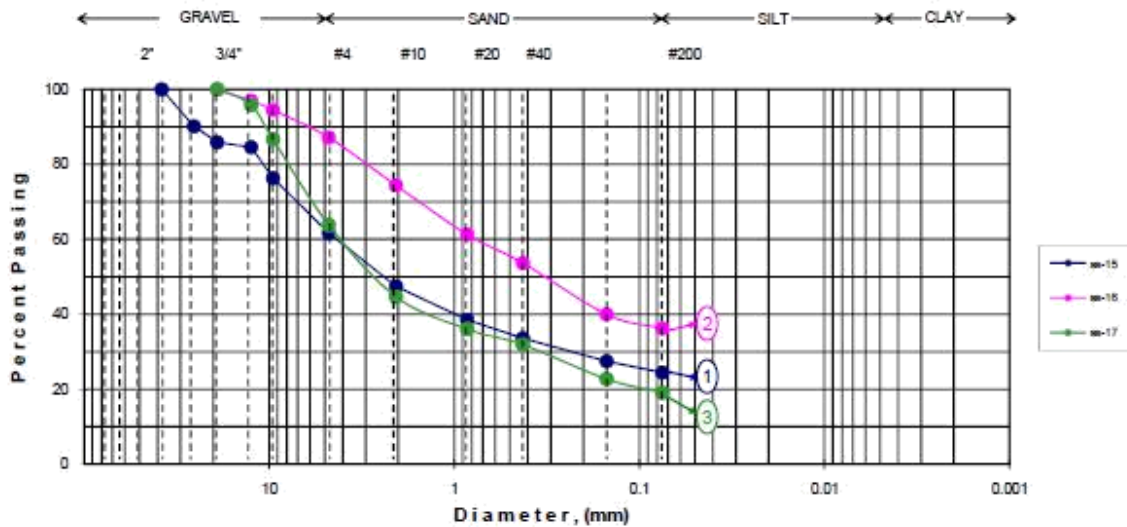
GRAIN-SIZE DISTRIBUTION CURVES



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

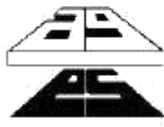
BH NO.	SAMPLE NO.	DEPTH (m)	CURV NO.	NMC	LL	PL	PI	USCS	DESCRIPTION
BH-1	uds-1	12.00-12.45	1	28.61	64	25	39	SM	Gray, fine SAND, with some high plastic clay, little amount of broken coral and fine gravel
BH-1	ss-9	13.50-13.95	2	24.70	90	38	52	GM	Creamy white, gravel-sized LIMESTONE fragments, with some high plastic clay
BH-1	ss-10	15.00-15.45	3	32.82	72	33	39	CH	Brown, sandy CLAY, high plastic
BH-1	ss-11	16.50-16.95	4	48.00	48	24	24	CL	Light brown, silty CLAY, medium plastic
BH-1	ss-12	18.00-18.45	5	30.83	34	19	15	SM	Creamy white, sand-sized LIMESTONE fragments, with medium plastic clay
BH-1	ss-13	19.50-19.95	6	36.97	38	20	18	GM-SM	Creamy white, sand/gravel-sized LIMESTONE fragments, with medium plastic clay
BH-1	ss-14	21.00-21.45	7	33.49	39	20	19	GM-SM	Creamy white, sand/gravel-sized LIMESTONE fragments, with some medium plastic clay

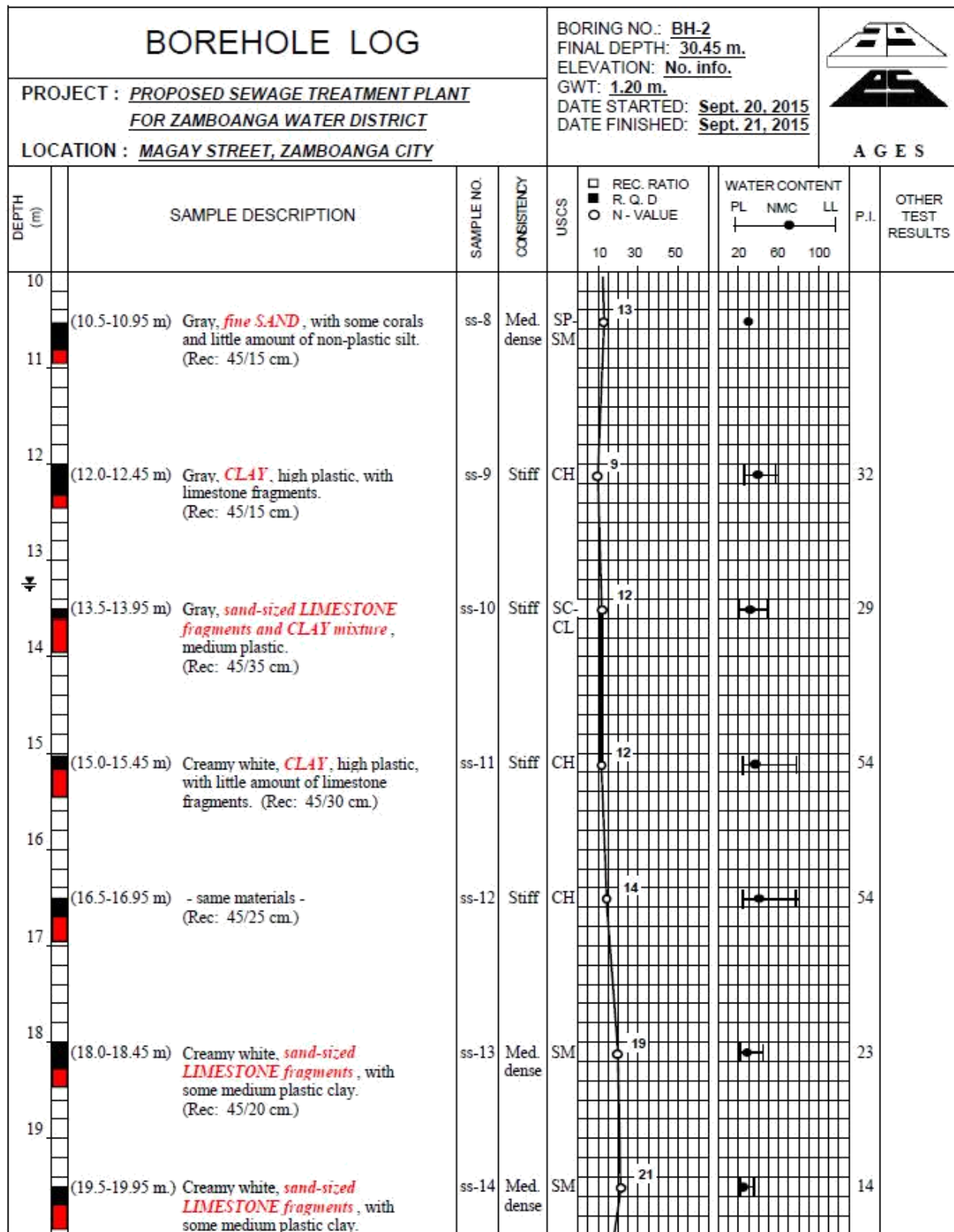
GRAIN-SIZE DISTRIBUTION CURVES

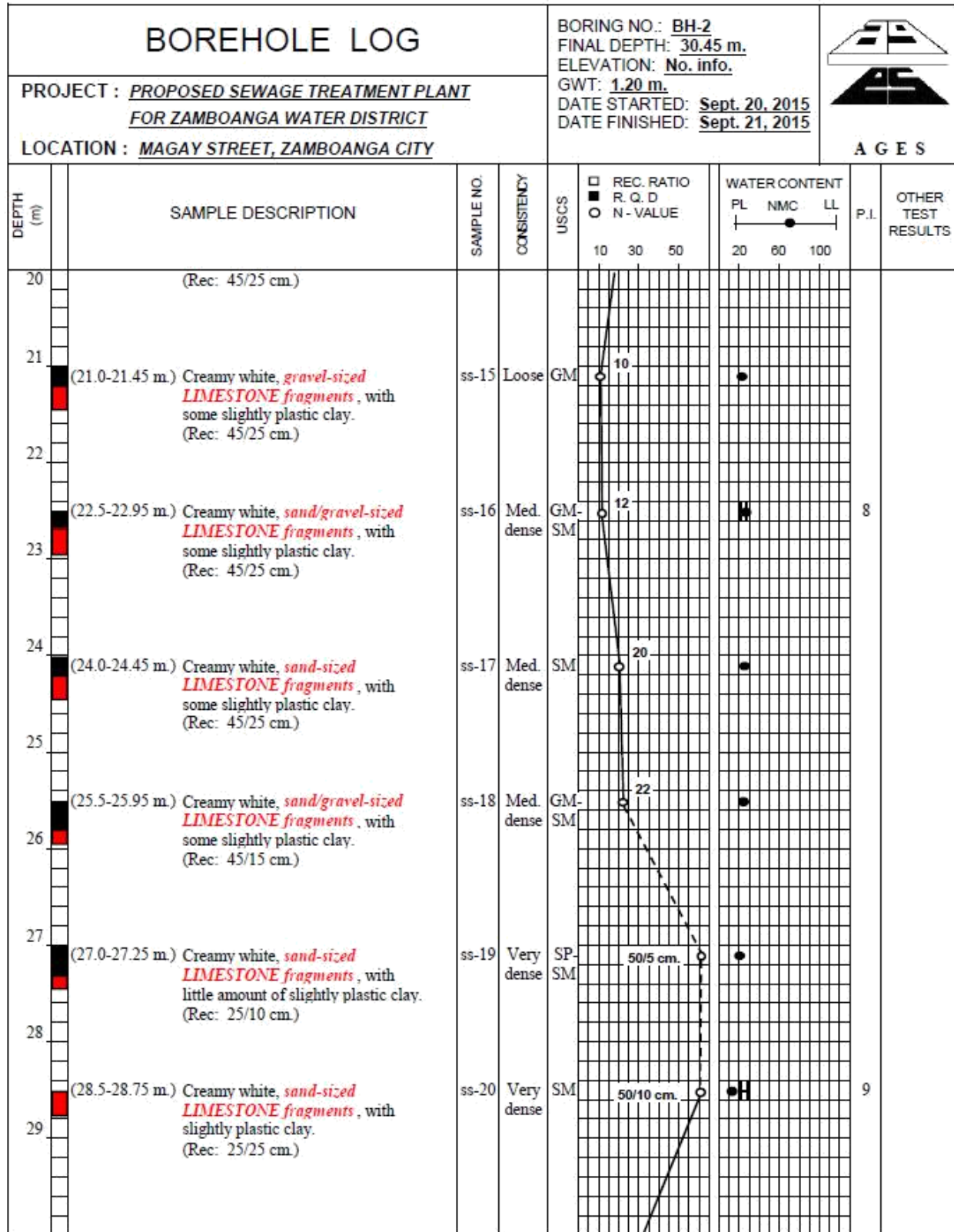



PROJECT SITE: *PROPOSED SEWAGE TREATMENT PLANT FOR ZAMBOANGA WATER DISTRICT,
MAGAY, ZAMBOANGA CITY*

BH NO.	SAMPLE NO.	DEPTH(m)	CURV. NO.	NMC	LL	PL	FI	USCS	DESCRIPTION
BH-1	ss-15	22.50-22.95	1	26.47	36	20	16	GM-SM	Creazy white, sand/gravel-sized LIMESTONE fragments, with some medium plastic clay
BH-1	ss-16	24.00-24.45	2	27.38	34	19	15	SM	Creazy white, sand-sized LIMESTONE fragments, with slightly plastic clay
BH-1	ss-17	25.50-25.95	3	20.19	30	21	9	SM	Creazy white, sand-sized LIMESTONE fragments, with little amount of slightly plastic clay
BH-1	ss-18	27.00-27.45	4	20.70	28	20	8	SM	Creazy white, sand-sized LIMESTONE fragments, with some slightly plastic clay
BH-1	ss-19	28.50-28.95	5	20.56	27	19	8	SM	Creazy white, sand-sized LIMESTONE fragments, with little amount of slightly plastic clay
BH-1	ss-20	30.00-30.45	6	20.79	29	17	12	GM-SM	Creazy white, sand/gravel-sized LIMESTONE fragments, with little amount of slightly plastic clay

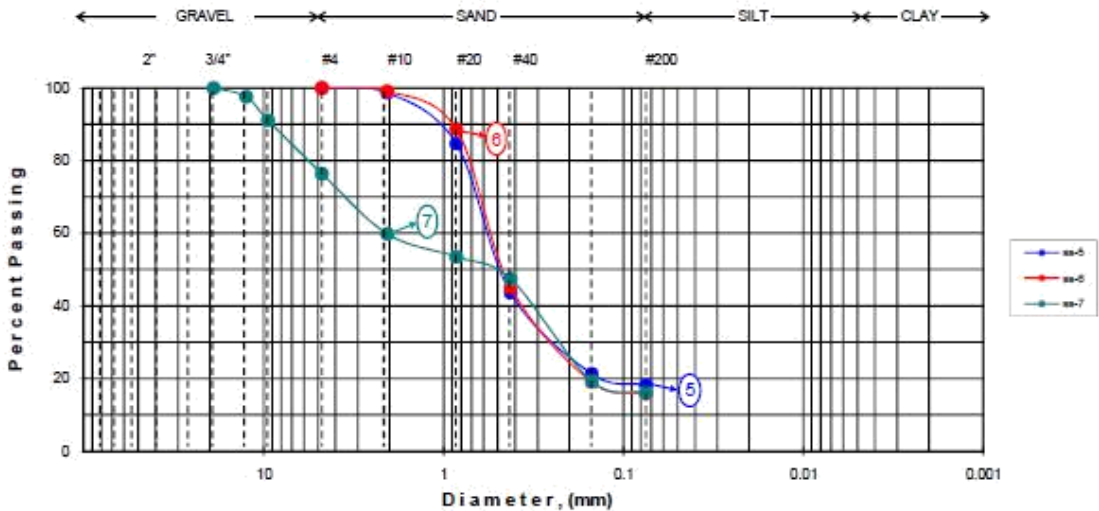
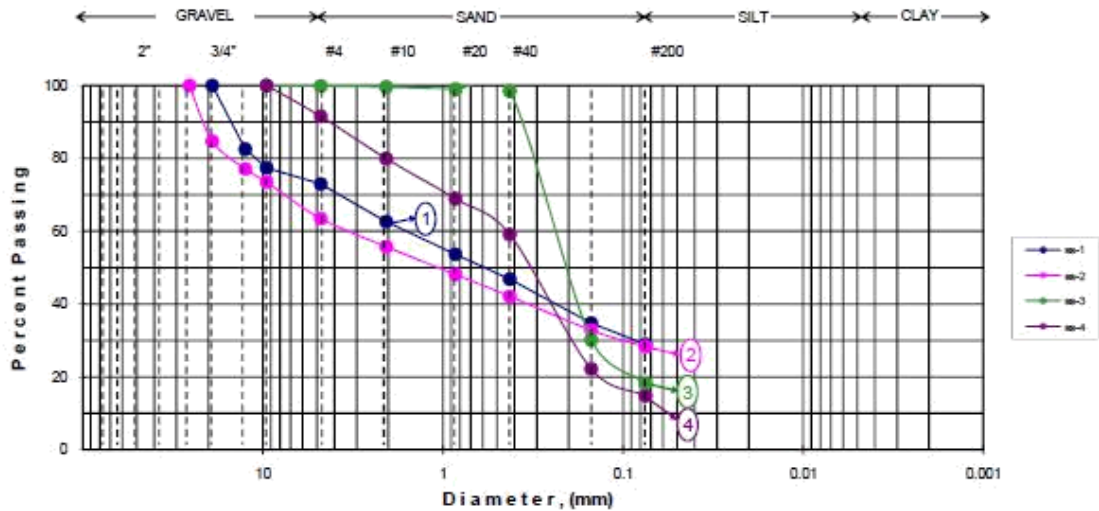
BOREHOLE LOG				BORING NO.: <u>BH-2</u> FINAL DEPTH: <u>30.45 m.</u> ELEVATION: <u>No. info.</u> GWT: <u>1.20 m.</u> DATE STARTED: <u>Sept. 20, 2015</u> DATE FINISHED: <u>Sept. 21, 2015</u>			 A G E S					
PROJECT : <u>PROPOSED SEWAGE TREATMENT PLANT</u> <u>FOR ZAMBOANGA WATER DISTRICT</u>												
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		
1 1.0-1.45 m	Gray, <i>fine SAND</i> , with some slightly plastic clay and some fine gravel. (Rec: 45/35 cm.)	ss-1	Loose	SM			9				8	
2 2.0-2.45 m	Gray, <i>SAND and GRAVEL mixture</i> , some slightly plastic clay. (Rec: 45/45 cm.)	ss-2	Loose	GM-SM			7				9	
3 3.0-3.45 m	Gray, <i>fine SAND</i> , with little amount non-plastic silt. (Rec: 45/25 cm.)	ss-3	Loose	SM			8					
4 4.5-4.95 m	Gray, <i>fine SAND</i> , with little amount of non-plastic silt and traces of fine gravel. (Rec: 45/35 cm.)	ss-4	Loose	SM			9					
5 6.0-6.45 m	Gray, <i>fine SAND</i> , with little amount non-plastic silt. (Rec: 45/15 cm.)	ss-5	Loose	SM			7					
6 7.5-7.95 m	- same materials - (Rec: 45/20 cm.)	ss-6	Loose	SM			6					
7 9.0-9.45 m	Gray, <i>fine SAND</i> , with some corals and little amount of non-plastic. (Rec: 45/25 cm.)	ss-7	Med. dense	SM			11					





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>			 A G E S				
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	WATER CONTENT			P.I.	OTHER TEST RESULTS	
					PL	NMC	LL			
					<input type="checkbox"/> REC. RATIO <input type="checkbox"/> R. Q. D <input type="checkbox"/> N - VALUE 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	<input type="checkbox"/> 10 <input checked="" type="checkbox"/> 30 <input type="checkbox"/> 50	<input checked="" type="checkbox"/> 20 <input type="checkbox"/> 60 <input type="checkbox"/> 100				
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)	CURV NO.	NMC	LL	PL	FI	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