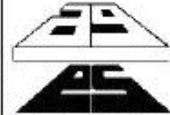


# BOREHOLE LOG

BORING NO.: **BH-2**  
 FINAL DEPTH: **30.45 m.**  
 ELEVATION: **No. info.**  
 GWT: **1.20 m.**  
 DATE STARTED: **Sept. 20, 2015**  
 DATE FINISHED: **Sept. 21, 2015**



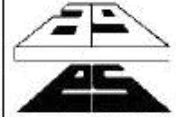
**AGES**

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

| DEPTH (m) | SAMPLE DESCRIPTION                                                                                                                    | SAMPLE NO. | CONSISTENCY | USCS  | REC. RATIO<br>R. Q. D<br>N - VALUE<br>10 30 50 | WATER CONTENT<br>PL NMC LL<br>20 60 100 | P.I. | OTHER TEST RESULTS |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|-------|------------------------------------------------|-----------------------------------------|------|--------------------|
| 20        | (Rec: 45/25 cm.)                                                                                                                      |            |             |       |                                                |                                         |      |                    |
| 21        | (21.0-21.45 m) Creamy white, <i>gravel-sized LIMESTONE fragments</i> , with some slightly plastic clay.<br>(Rec: 45/25 cm.)           | ss-15      | Loose       | GM    | 10                                             |                                         |      |                    |
| 22        | (22.5-22.95 m) Creamy white, <i>sand/gravel-sized LIMESTONE fragments</i> , with some slightly plastic clay.<br>(Rec: 45/25 cm.)      | ss-16      | Med. dense  | GM-SM | 12                                             |                                         | 8    |                    |
| 23        |                                                                                                                                       |            |             |       |                                                |                                         |      |                    |
| 24        | (24.0-24.45 m) Creamy white, <i>sand-sized LIMESTONE fragments</i> , with some slightly plastic clay.<br>(Rec: 45/25 cm.)             | ss-17      | Med. dense  | SM    | 20                                             |                                         |      |                    |
| 25        |                                                                                                                                       |            |             |       |                                                |                                         |      |                    |
| 26        | (25.5-25.95 m) Creamy white, <i>sand/gravel-sized LIMESTONE fragments</i> , with some slightly plastic clay.<br>(Rec: 45/15 cm.)      | ss-18      | Med. dense  | GM-SM | 22                                             |                                         |      |                    |
| 27        | (27.0-27.25 m) Creamy white, <i>sand-sized LIMESTONE fragments</i> , with little amount of slightly plastic clay.<br>(Rec: 25/10 cm.) | ss-19      | Very dense  | SP-SM | 50/5 cm.                                       |                                         |      |                    |
| 28        |                                                                                                                                       |            |             |       |                                                |                                         |      |                    |
| 29        | (28.5-28.75 m) Creamy white, <i>sand-sized LIMESTONE fragments</i> , with slightly plastic clay.<br>(Rec: 25/25 cm.)                  | ss-20      | Very dense  | SM    | 50/10 cm.                                      |                                         | 9    |                    |

# BOREHOLE LOG

BORING NO.: BH-2  
 FINAL DEPTH: 30.45 m.  
 ELEVATION: No. info.  
 GWT: 1.20 m.  
 DATE STARTED: Sept. 20, 2015  
 DATE FINISHED: Sept. 21, 2015



A G E S

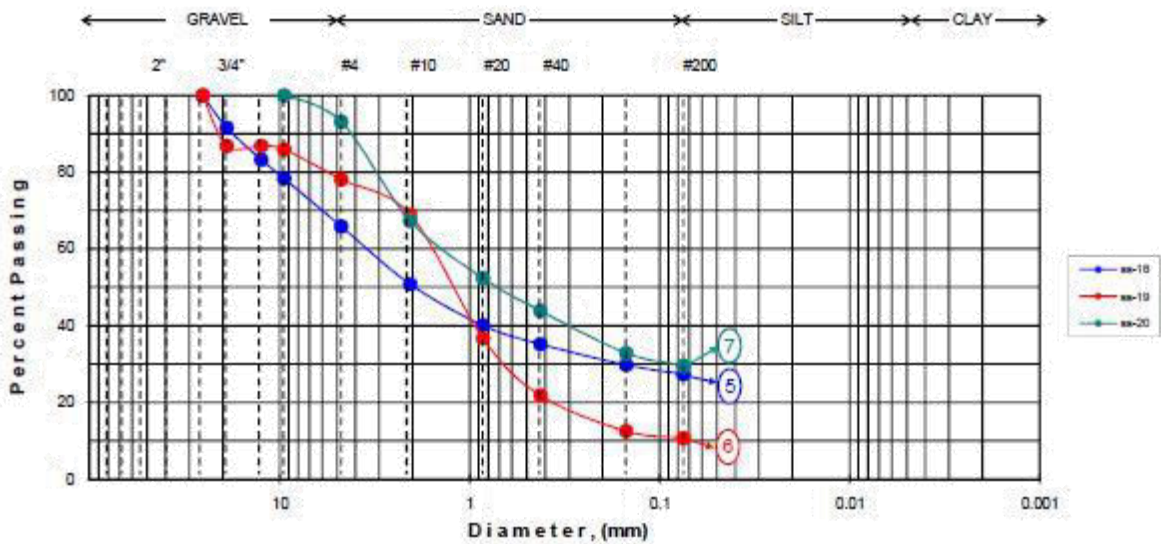
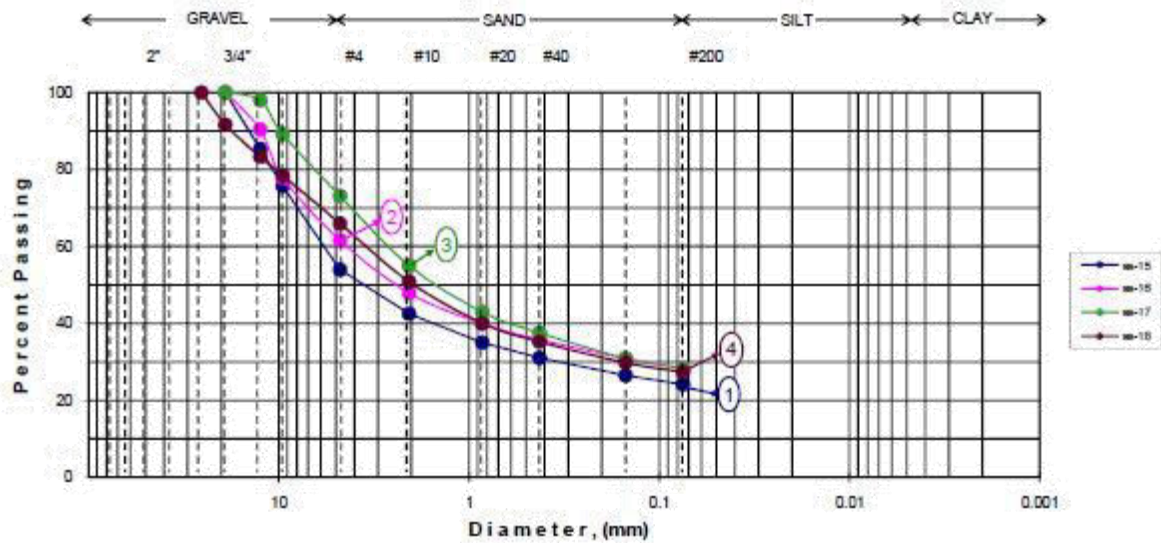
PROJECT : PROPOSED SEWAGE TREATMENT PLANT  
FOR ZAMBOANGA WATER DISTRICT  
 LOCATION : MAGAY STREET, ZAMBOANGA CITY

| DEPTH (m) | SAMPLE DESCRIPTION                                                                                                                      | SAMPLE NO. | CONSISTENCY | USCS | <input type="checkbox"/> REC. RATIO<br><input checked="" type="checkbox"/> R. Q. D.<br><input type="checkbox"/> N - VALUE | WATER CONTENT<br>PL    NMC    LL<br> ----- <br>20    60    100 | P.I. | OTHER TEST RESULTS |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------|--------------------|
| 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   | 10    30    50<br> ----- <br>30                                                                                           | 20    60    100<br> ----- <br>60                               |      |                    |
| 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, ZAMBOANGA CITY*

| BH NO. | SAMPLE NO. | DEPTH(m)    | CURV NO. | NMC   | LL                  | PL | PI | 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                                                          |