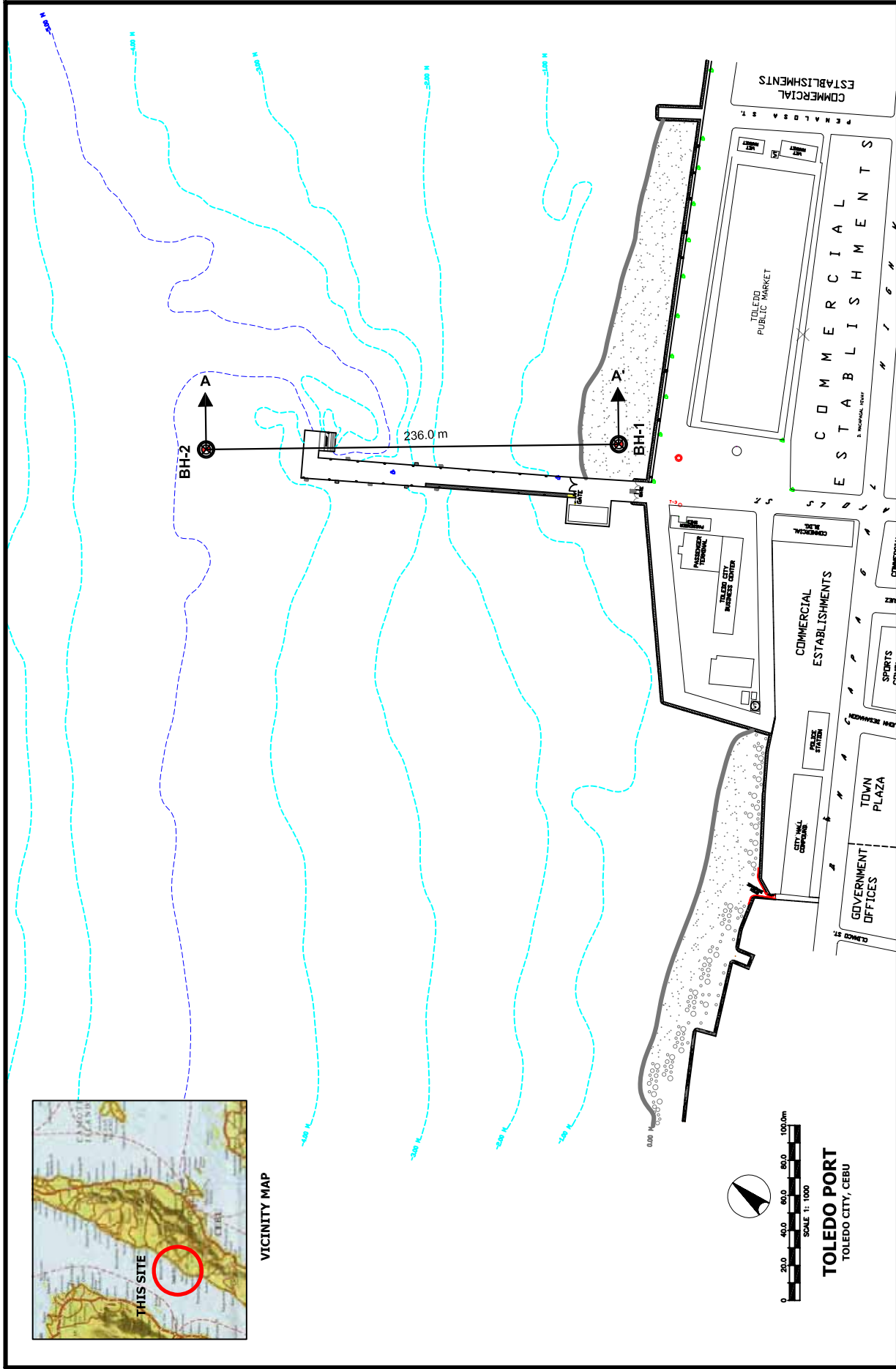


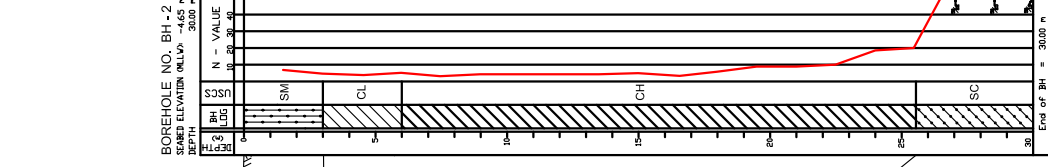
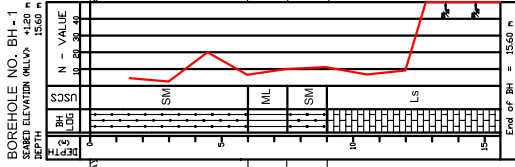


VICINITY MAP

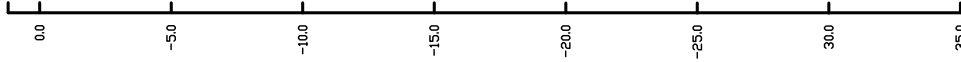


TOLEDO PORT
TOLEDO CITY, CEBU

	The Overseas Coastal Area Dev't of Japan Pacific Consultants International (PCI)	CONTRACTOR Technotest INCORPORATED	PROJECT NAME THE FEASIBILITY STUDY FOR THE DEVT. OF ROAD RO-RHO TERMINAL SYSTEM FOR MOBILITY ENHANCEMENT IN THE REPUBLIC OF THE PHILIPPINES	DRAWING TITLE FIGURE 2 BOREHOLE LOCATION PLAN PORT OF TOLEDO, TOLEDO CITY, CEBU	PREPARED BY DENNIS CALDERON	CHECKED BY 1 MANUEL T. VILLAFUERTE	APPROVED BY 1 JOSE LEOPOLDO P. FAJARDO	SHEET NO 1
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ELEV. IN METERS



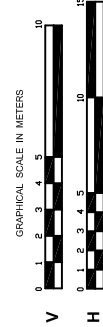
SEABED

Very loose to dense
Dark gray Silty SAND

Sandy SILT

Very soft to stiff
Dark gray Silty CLAY

Moderately soft to hard
Light to bluish brown
Coralline LIMESTONE



	JICA Study Team	CONTRACTOR		PROJECT NAME THE FEASIBILITY STUDY FOR THE DEVT. OF ROAD RO-HO TERMINAL SYSTEM FOR MOBILITY ENHANCEMENT IN THE REPUBLIC OF THE PHILIPPINES	DRAWING TITLE FIGURE 2 SOIL PROFILE A - A' TOLEDO PORT, TOLEDO CITY, CEBU	PREPARED BY DENNIS CALDERON	CHECKED BY MANUEL T. VILLAFUERTE	APPROVED BY JOSE LEOPOLDO P. FAJARDO	SHEET NO.
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FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 1a

PROJECT: FSDRRTSMERP
 LOCATION: Port of Toledo, Toledo City, Cebu
 BH NO.: BH-1 DATE DRILLED: June 28 - 30, 2007

Elev. (MLLW) +1.20 M
 Weather: FAIR
 Northing: 1147843.20
 Easting: 569365.30

Depth of Water: 0.61 m
 Date Measured: 28 June 2007
 Time Measured: 4:00 P.M.

DEPTH (m)	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)				Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, q_u , kg/cm ²	CONSO. TEST		SIEVE ANALYSIS % PASSING			
							15 cm	15 cm	15 cm	N-VALUE						LL, %	Pl, %		Compress. Index, Cc	Precon. Press. P _c , kg/cm ²	4	10	40	200
										10	20	30	40											
1	SS-1	78				Silty SAND; dark gray; fine to medium sand; non-plastic silt; presence of appreciable amount of shell fragments; LOOSE.	1	2	3	19	2.65							89	78	57	17			
3	SS-2	89		SM		Silty SAND; dark gray; fine sand; non-plastic silt; contains little amount of shell fragments; VERY LOOSE TO DENSE.	1	1	1	30	2.65							100	98	92	45			
4	SS-3	78					8	10	10															
6	SS-4	89				Sandy SILT; dark gray; non-plastic silt; fine to medium sand; presence of little amount of shell fragments; STIFF.	4	4	3	27	2.64							99	97	92	36			
7	SS-5	89		ML			2	4	6	35	2.64							92	86	69	51			
8				SM		Silty SAND; dark gray; fine to medium sand; non-plastic silt; contains some coralline gravel and little amount of shell fragments; MEDIUM DENSE.																		
9	SS-6	89			Ls	CORALS / Coralline GRAVEL; light gray to brownish gray; with fine to medium sand and non-plastic silt; MEDIUM DENSE.	2	2	9	24	2.65							83	74	54	11			

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MACHINE: ACKER ACE "W"
 DRILLER: A. TENERIFE
 SUPERVISOR: M. VILLAFUERTE

LEGEND:

- SS - Split Spoon Sample
- WS - Wash Sample
- UDS - Undisturbed Sample
- CR - Core Sample

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 1b

PROJECT: FSDRRTSMERP
LOCATION: Port of Toledo, Toledo City, Cebu
BH NO.: BH-1 **DATE DRILLED:** June 28 - 30, 2007

Elev. (MLLW) +1.20 M
 Weather: FAIR
 Northing: 1147643.20
 Easting: 569365.30

Depth of Water: 0.61 m
 Date Measured: 28 June 2007
 Time Measured: 4:00 P.M.

DEPTH (m)	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)				Natural Moisture Content, %	Specific Gravity	Atterberg Limits		U _{CT} , q _p , kg/cm ²	CONSO. TEST Compression Index, C _c Precon. Press. P _c , kg/cm ²	SIEVE ANALYSIS % PASSING					
							15 cm	15 cm	15 cm	N-VALUE						LL, %	Pl, %			4	10	40	200		
										10	20	30	40												
11.0	SS-7	56				CORALS / Coralline GRAVEL; light gray to brownish gray; with fine to medium sand and non-plastic silt; MEDIUM DENSE.	14	4	3																
12.0	SS-8	56					8	6	3			26	2.66							42	31	19	9		
13.0				Ls																					
13.5	SS-9	86				Coralline LIMESTONE; light brown; MODERATELY SOFT TO HARD.	28	30	20/5			12	2.63							78	63	41	30		
14.5	SS-10	100					50/5					50/5													
15.0	CR-1	15																							
18.0						END OF BORING 15.60 M																			

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MACHINE: ACKER ACE "W"
 DRILLER: A. TENERIFE
 SUPERVISOR: M. VILLAFUERTE

LEGEND:
 SS - Spill Spoon Sample
 WS - Wash Sample
 UDS - Undisturbed Sample
 CR - Core Sample

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 2a

PROJECT: FSDRRTSMERP
LOCATION: Port of Toledo, Toledo City, Cebu
BH NO.: BH-2 **DATE DRILLED:** July 02 - 03, 2007

Elev. (MLLW) -4.65 M
 Weather: F A I R
 Northing: 1147823.20
 Easting: 569213.10

Depth of Water: 7.34 m
 Date Measured: 02 July 2007
 Time Measured: 12:15 P.M.

DEPTH (m)	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)				Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, q_v , kg/cm ²	CONSO. TEST		SIEVE ANALYSIS % PASSING			
							15 cm	15 cm	15 cm	N-VALUE						LL, %	PI, %		Compress. Index, Cc	Precon. Press., P _c , kPa/cm ²	4	10	40	200
1	SS-1	88		SM		Silty SAND; dark gray; fine sand; non-plastic silt; presence of shell fragments; LOOSE.	3	4	3	10	23	2.65						100	88	93	24			
3	SS-2	89		SM			1	2	2	10	31	2.64						100	89	94	45			
4	SS-3	89		CL		Sandy CLAY; dark gray; low plastic clayey fines; fine sand; SOFT.	1	1	2	10	33	2.64	45	23				100	99	97	65*			
6	SS-4	89		CH			2	3	2	10														
7	SS-5	100		CH		Silty CLAY; dark gray; highly plastic clayey fines; presence of fine sand; SOFT.	2	1	2	10	47	2.63	73	52				100	98	94*				
9	SS-6	100		CH			1	1	3	10														



FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 2b

PROJECT: FSDRRTSMERP
LOCATION: Port of Toledo, Toledo City, Cebu
BH NO.: BH-2 **DATE DRILLED:** July 02 - 03, 2007

Elev. (MLLW) -4.65 M
 Weather: F A I R
 Northing: 1147623.20
 Easting: 569213.10

Depth of Water: 7.34 m
 Date Measured: 02 July 2007
 Time Measured: 12:15 P.M.

DEPTH (m)	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) N-VALUE 10 20 30 40	Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, q_u , kg/cm ²	CONSO. TEST Compression Index, C_c Precon. Press. P_c , kPa/cm ²	SIEVE ANALYSIS % PASSING				
							15 cm	15 cm	15 cm				LL, %	Pl. %			4	10	40	200	
11	SS-7	100	[Symbol]				2	2	2												
12	SS-8	100	[Symbol]				2	1	3		49	2.63	53	30				100	99	95*	
14	SS-9	100	[Symbol]				2	2	2												
15	SS-10	100	[Symbol]	CH		Silty CLAY; dark gray; highly plastic clayey fines; presence of fine sand; SOFT TO FIRM.	2	3	2		37	2.63	56	35				100	99	98	92*
16	SS-11	100	[Symbol]				2	2	1												
18	SS-12	100	[Symbol]				2	2	1		36	2.63	61	36						100	92*
19	SS-13	100	[Symbol]				3	2	4												

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MACHINE: ACKER ACE "W"
 DRILLER: A. TENERIFE
 SUPERVISOR: M. VILLAFUERTE

LEGEND:
 [Solid Black] SS - Split Spoon Sample
 [White Box] WS - Wash Sample
 [White Box with Dotted] UDS - Undisturbed Sample
 [Hatched Box] CR - Core Sample

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 2c

PROJECT: FSDRRSMPERP
 LOCATION: Port of Toledo, Toledo City, Cebu
 BH NO.: BH-2 DATE DRILLED: July 02 - 03, 2007

Elev. (MLLW) -4.65 M
 Weather: FAIR
 Northing: 1147823.20
 Easting: 569213.10

Depth of Water: 7.34 m
 Date Measured: 02 July 2007
 Time Measured: 12:15 P.M.

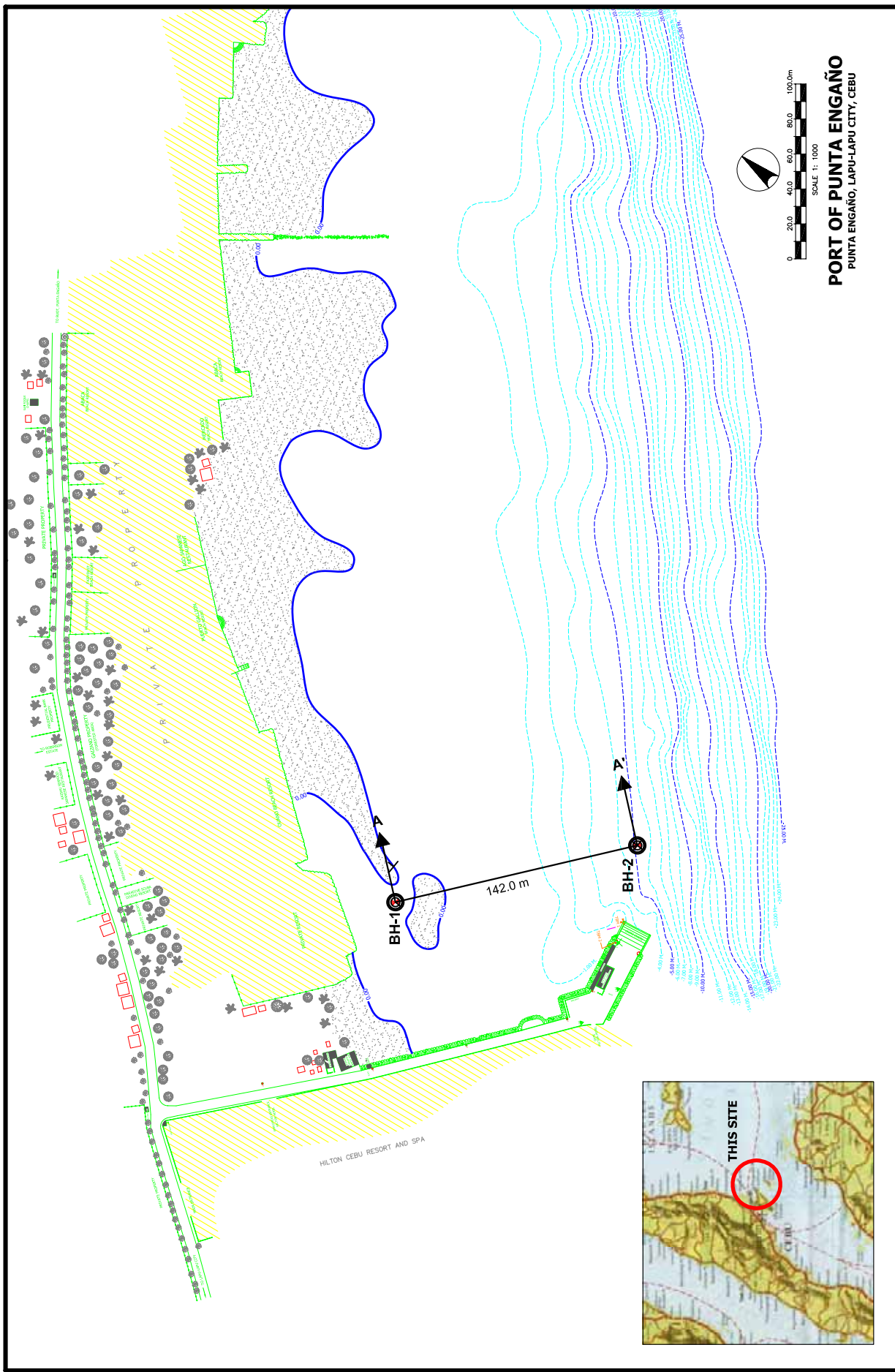
DEPTH (m)	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)		Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, q_u , kg/cm ²	CONSO. TEST		SIEVE ANALYSIS % PASSING			
							15 cm	15 cm	15 cm	N-VALUE				L, %	Pl, %		Compress. Index, C_c	Precon. Press. P_c , kN/cm ²	4	10	40	200
21	SS-14	100					4	4	5		29	2.65	52	32				100	99	86*		
22																						
23	SS-15	89			CH	Sandy CLAY; dark gray; high plasticity; fine sand; STIFF TO VERY STIFF.	5	5	5													
24	SS-16	78					8	9	10													
25																						
26	SS-17	78					9	8	12		28	2.63						100	98	67		
27	SS-18	81			SC	Clayey SAND; yellowish brown to brown; fine to coarse sand; high plastic clayey fines; contains little amount of angular gravel; VERY DENSE.	22	31	19/7	50/22	19	2.64	53	31				92	81	84	44*	
28																						
29	SS-19	88					25	33	17/13	50/28												
29.83	SS-20	71				END OF BORING 29.83 M	34	50/13		50/13	18	2.64	55	31				91	79	69	40*	

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MACHINE: ACKER ACE "W"
 DRILLER: A. TENERIFE
 SUPERVISOR: M. VILLAFUERTE

LEGEND:
 SS - Split Spoon Sample
 WS - Wash Sample
 UDS - Undisturbed Sample
 CR - Core Sample



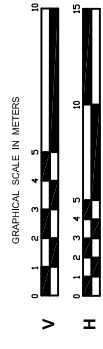
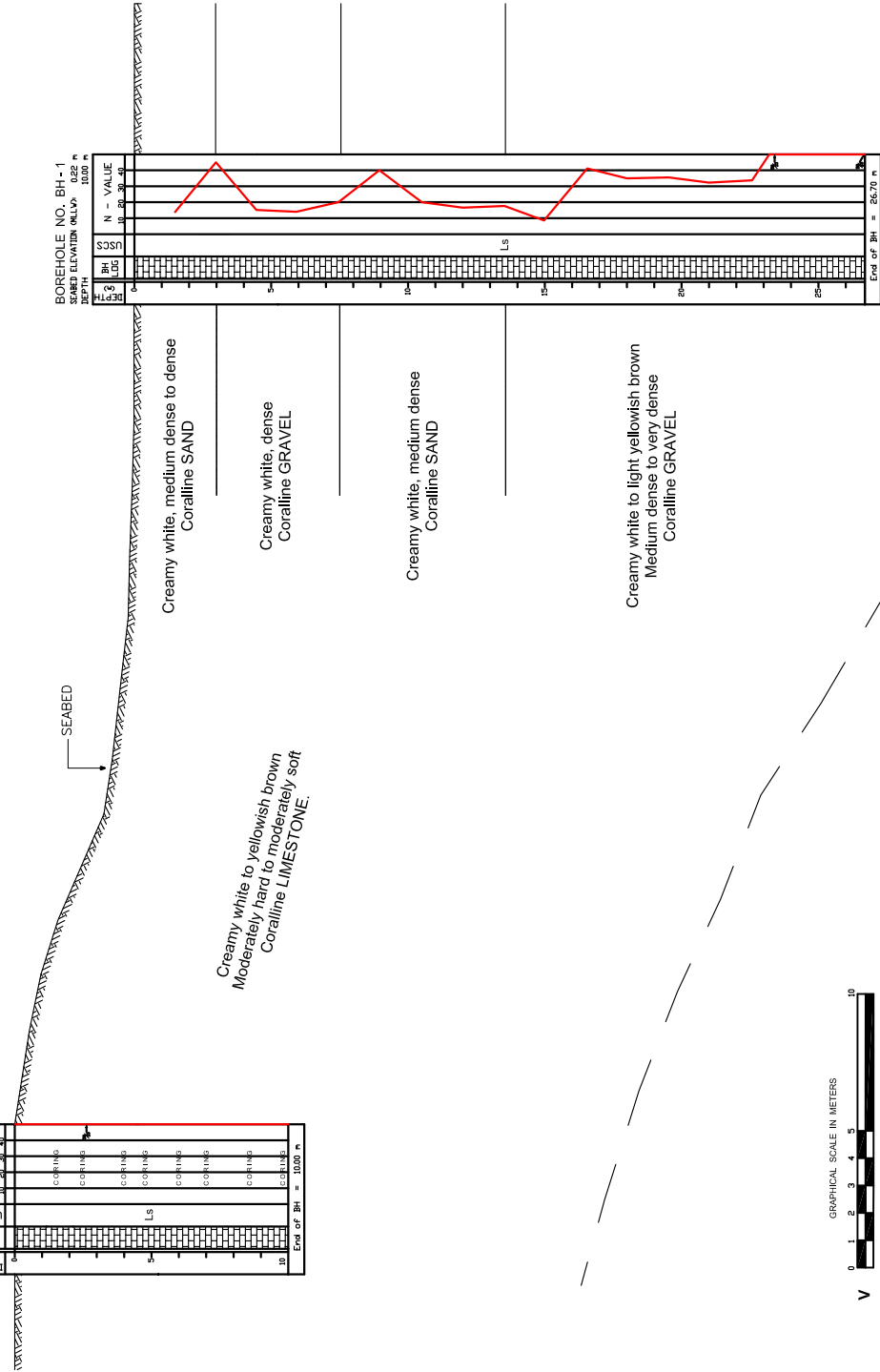
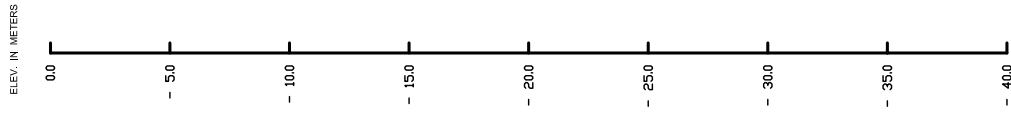
	JICA Study Team The Overseas Coastal Area Dev't of Japan Pacific Consultants International (PCJ)	CONTRACTOR Technotest incorporated	PROJECT NAME THE FEASIBILITY STUDY FOR THE DEVT. OF ROAD-RO-RO TERMINAL SYSTEM FOR MOBILITY ENHANCEMENT IN THE REPUBLIC OF THE PHILIPPINES	DRAWING TITLE FIGURE 2 BOREHOLE LOCATION PLAN PUNTA ENGAÑO PORT, MACTAN, CEBU	PREPARED BY : DENNIS CALDERON	CHECKED BY : MANUEL T. VILLAFUERTE	APPROVED BY : JOSE LEOPOLDO P. FAJARDO	SHEET NO. 1
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BOREHOLE NO. BH-2
 SOLE ELEVATION (MLLW) = 15.75 m
 DEPTH = 26.70 m

DEPTH	SOIL LOG	N - VALUE
0.00	GS	10
0.30	GS	10
0.60	GS	10
0.90	GS	10
1.20	GS	10
1.50	GS	10
1.80	GS	10
2.10	GS	10
2.40	GS	10
2.70	GS	10
3.00	LS	10
3.30	LS	10
3.60	LS	10
3.90	LS	10
4.20	LS	10
4.50	LS	10
4.80	LS	10
5.10	LS	10
5.40	LS	10
5.70	LS	10
6.00	LS	10
6.30	LS	10
6.60	LS	10
6.90	LS	10
7.20	LS	10
7.50	LS	10
7.80	LS	10
8.10	LS	10
8.40	LS	10
8.70	LS	10
9.00	LS	10
9.30	LS	10
9.60	LS	10
9.90	LS	10
10.20	LS	10
10.50	LS	10
10.80	LS	10
11.10	LS	10
11.40	LS	10
11.70	LS	10
12.00	LS	10
12.30	LS	10
12.60	LS	10
12.90	LS	10
13.20	LS	10
13.50	LS	10
13.80	LS	10
14.10	LS	10
14.40	LS	10
14.70	LS	10
15.00	LS	10
15.30	LS	10
15.60	LS	10
15.90	LS	10
16.20	LS	10
16.50	LS	10
16.80	LS	10
17.10	LS	10
17.40	LS	10
17.70	LS	10
18.00	LS	10
18.30	LS	10
18.60	LS	10
18.90	LS	10
19.20	LS	10
19.50	LS	10
19.80	LS	10
20.10	LS	10
20.40	LS	10
20.70	LS	10
21.00	LS	10
21.30	LS	10
21.60	LS	10
21.90	LS	10
22.20	LS	10
22.50	LS	10
22.80	LS	10
23.10	LS	10
23.40	LS	10
23.70	LS	10
24.00	LS	10
24.30	LS	10
24.60	LS	10
24.90	LS	10
25.20	LS	10
25.50	LS	10
25.80	LS	10
26.10	LS	10
26.40	LS	10
26.70	LS	10

End of BH = 10.00 m



 The Overseas Coastal Area Dev't of Japan Pacific Consultants International (PCI)	CONTRACTOR 	PROJECT NAME THE FEASIBILITY STUDY FOR THE DEVT. OF ROAD RO-RO TERMINAL SYSTEM FOR MOBILITY ENHANCEMENT IN THE REPUBLIC OF THE PHILIPPINES	DRAWING TITLE FIGURE 2 SOIL PROFILE A - A' PORT OF PUNTA ENGANO, MACTAN, CEBU	PREPARED BY DENNIS CALDERON	CHECKED BY MANUEL T. VILLAFUERTE	APPROVED BY JOSE LEOPOLDO P. FAJARDO	SHEET NO.
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FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 1a

PROJECT: FSDRRSMERP		Elev. (MLLW) <u>-0.22 M</u>	Depth of Water: <u>1.90 m</u>
LOCATION: Port of Punta Engano, Mactan Island, Cebu		Weather: <u>FAIR</u>	Date Measured: <u>14 June 2007</u>
BH NO.: <u>BH-1</u>	DATE DRILLED: <u>June 14 - 15, 2007</u>	Northing: <u>1140443.70</u>	Time Measured: <u>12:00 N.N.</u>
		Easting: <u>612066.50</u>	

DEPTH (m)	SAMPLE NO.	RECOVERY (%)	SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT) N-VALUE 10 20 30 40	Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, q_c , kg/cm ²	CONSO. TEST Compress. Index, C_c Precon. Press. P_c , kg/cm ²	SIEVE ANALYSIS % PASSING			
								15 cm	15 cm	15 cm				LL, %	PL, %			4	10	40	200
1	CR-1	6.7				10	Coralline LIMESTONE; yellowish brown; generally broken cores; MODERATELY SOFT. Ls														
2	CR-2	14																			
	SS-1	100							50/5	50/5											
3																					
4	CR-3	25																			
5	CR-4	50				38															
6	CR-5	33				13															
7	CR-6	30				10															
8																					
9	CR-7	27				9															
	CR-8	37				16															

**END OF BORING
10.00 M**



FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 2a

PROJECT: FSDRRTSMERP

Elev. (MLLW) -5.25 M

Depth of Water: 5.40 m

LOCATION: Port of Punta Engano, Mactan Island, Cebu

Weather: FAIR

Date Measured: 17 June 2007

BH NO.: BH-2 DATE DRILLED: June 16 - 19, 2007

Northing: 1140357.00

Time Measured: 4:00 P.M.

Easting: 612066.50

DEPTH (m)	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)		Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, γ_s , kg/cm ³	CONSO. TEST		SIEVE ANALYSIS % PASSING			
							15 cm	15 cm	15 cm	N-VALUE				LL, %	Pl, %		Compress. Index, Cc	Precon. Press. P _c , kg/cm ²	4	10	40	200
1	SS-1	22	[Symbol]			Coralline SAND; creamy white; fine to coarse, coralline sand with some gravel-size corals; MEDIUM DENSE TO DENSE.	8	8	5	20	2.70					84	69	41	13			
3	SS-2	33	[Symbol]				17	26	19													
5	SS-3	56	[Symbol]		LS	Coralline GRAVEL; creamy white; angular to sub-angular coralline gravel; medium to coarse, coralline sand with non-plastic silt; MEDIUM DENSE.	15	10	5	17	2.70				35	29	18	11				
6	SS-4	33	[Symbol]				9	5	8													
8	SS-5	33	[Symbol]				4	8	12	18	2.69				70	57	40	27				
9	SS-6	44	[Symbol]			Coralline SAND; light yellowish brown; fine to coarse, coralline sand with some gravel-size corals; DENSE.	6	33	7													

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MACHINE: ACKER ACE "W"
DRILLER: R. DAWI
SUPERVISOR: M. VILLAFUERTE

LEGENO:

- SS - Spilt Spoon Sample
- WS - Wash Sample
- UDS - Undisturbed Sample
- CR - Core Sample

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

PROJECT: FSDRRTSMERP	Elev. (MLLW) -5.25 M	Depth of Water: 5.40 m
LOCATION: Port of Punta Engano, Mactan Island, Cebu	Weather: F A I R	Date Measured: 17 June 2007
BH NO.: BH-2	DATE DRILLED: June 16 - 19, 2007	Time Measured: 4:00 P.M.
	Northing: 1140357.00	
	Easting: 612086.50	

DEPTH (m)	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)				Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, q_u , kg/cm ²	CONSO. TEST		SIEVE ANALYSIS % PASSING			
							15 cm	15 cm	15 cm	N-VALUE						LL, %	Pl, %		Compression Index, C_c	Precon. Press, P_c , kg/cm ²	4	10	40	200
										10	20	30	40											
11.0	SS-7	66	[Symbol]			Coralline SAND; light yellowish brown; fine to coarse, coralline sand with some gravel-size corals; DENSE.	4	8	12	17	2.70									75	49	19	4	
12.0	SS-8	33	[Symbol]				7	10	7															
13.5	SS-9	44	[Symbol]				12	11	7	18	2.68									70	55	41	31	
15.0	SS-10	44	[Symbol]	LS			4	4	5															
16.5	SS-11	44	[Symbol]			Coralline GRAVEL; light yellowish brown; angular to sub-angular coralline gravel; medium to coarse, coralline sand with non-plastic silt; MEDIUM DENSE TO DENSE.	12	27	14	15	2.69									65	44	23	14	
18.0	SS-12	67	[Symbol]				22	20	15															
19.0	SS-13	67	[Symbol]				17	16	18	15	2.68									62	47	33	24	

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 Technotest Center, 893 EDISA, Q.C.
 Tel. Nos.: 9242004/9242007 FAX: 9242156

MACHINE: ACKER ACE "W"
 DRILLER: R. DAWI
 SUPERVISOR: M. VILLAFUERTE

LEGEND:

[Symbol]	SS - Split Spoon Sample	[Symbol]	WS - Wash Sample
[Symbol]	UDS - Undisturbed Sample	[Symbol]	CR - Core Sample

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 2c

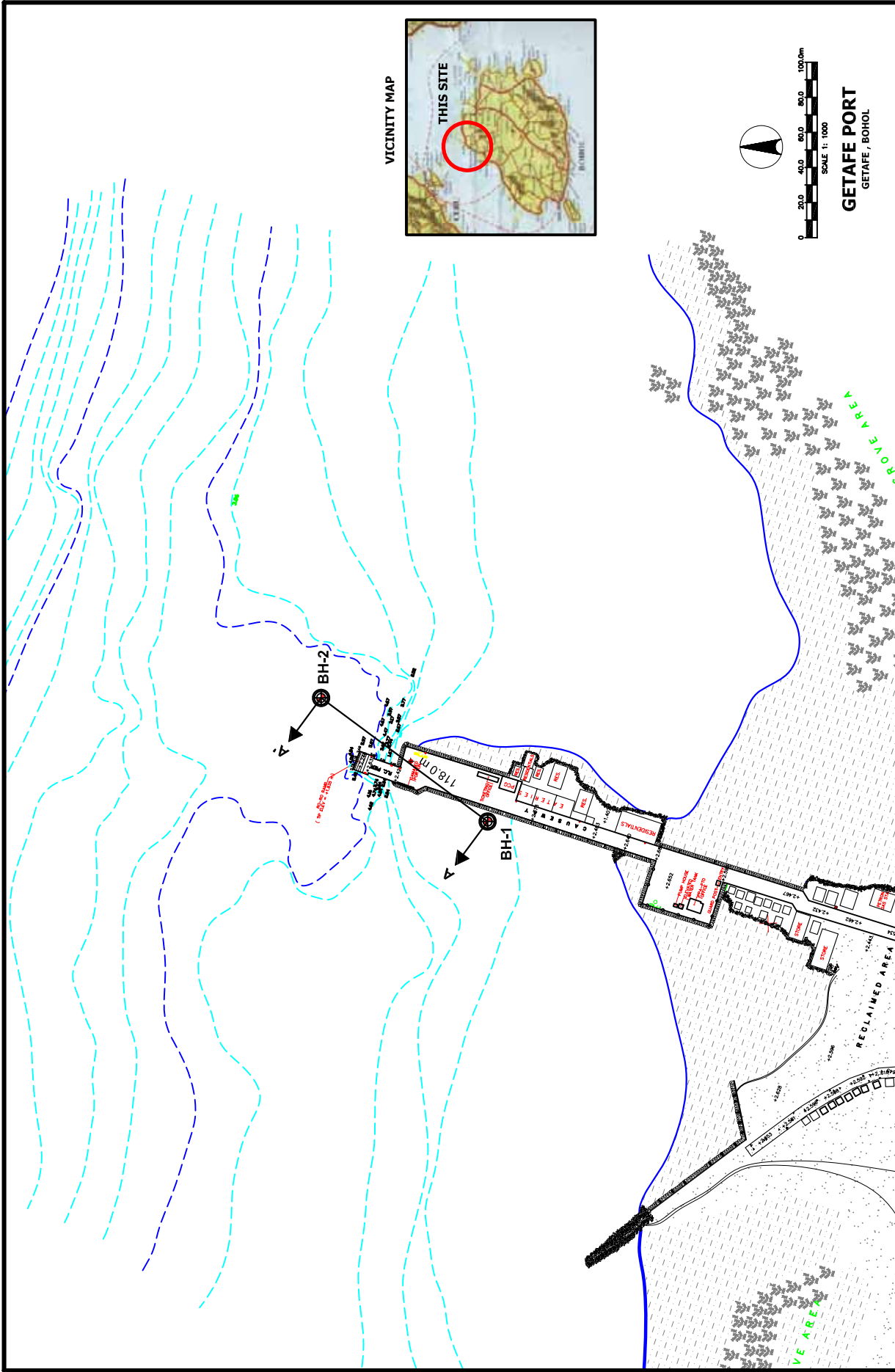
PROJECT: FSDRRTSMERP
LOCATION: Port of Punta Engano, Mactan Island, Cebu
BH NO.: BH-2 **DATE DRILLED:** June 16 - 19, 2007

Elev. (MLLW) -5.25 M
 Weather: F A I R
 Northing: 1140357.00
 Easting: 612086.50

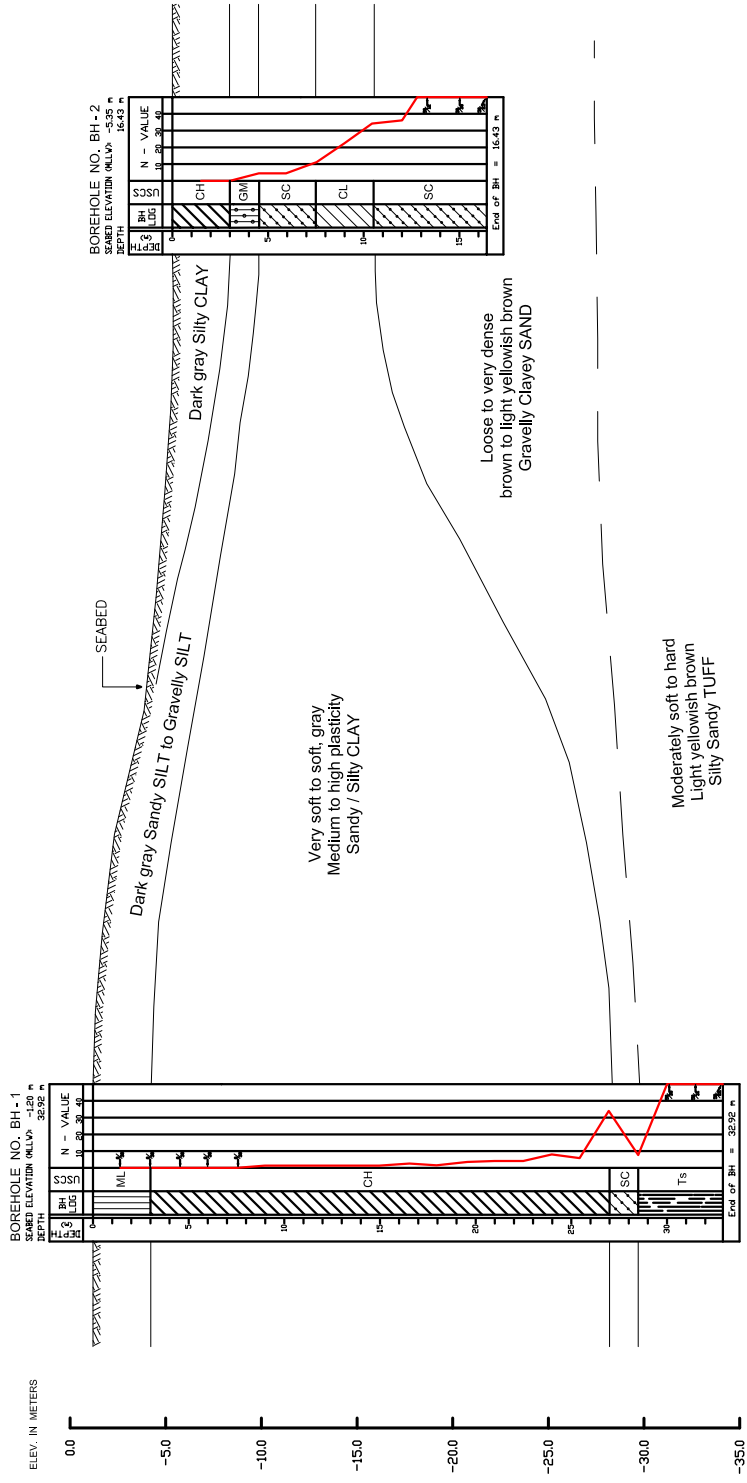
Depth of Water: 5.40 m
 Date Measured: 17 June 2007
 Time Measured: 4:00 P.M.

DEPTH (m)	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)				Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, q_u , kg/cm ²	CONSO. TEST		SIEVE ANALYSIS % PASSING								
							15 cm	15 cm	15 cm	N-VALUE						LL, %	PI, %		Compress. Index, C_c	Precon. Press. P_c , kPa/cm ²	4	10	40	200					
21	SS-14	33	[Symbol]				17	15	17																				
22																													
23	SS-15	33	[Symbol]			Coralline GRAVEL; light yellowish brown; angular to sub-angular coralline gravel; medium to coarse, coralline sand with non-plastic silt; DENSE TO VERY DENSE.	10	14	19			14	2.68							84	67	42	24						
24	SS-16	44	[Symbol]		LS		30	50																					
25																													
26	SS-17	44	[Symbol]				25	27	23																				
27	SS-18	67	[Symbol]			END OF BORING 26.70 M	50					13	2.68								71	54	39	27					
28																													
29																													





	JICA Study Team The Overseas Coastal Area Dev't of Japan Pacific Consultants International (PCI)	CONTRACTOR Technotest INCORPORATED	PROJECT NAME THE FEASIBILITY STUDY FOR THE DEVT. OF ROAD RO-HO TERMINAL SYSTEM FOR MOBILITY ENHANCEMENT IN THE REPUBLIC OF THE PHILIPPINES	DRAWING TITLE FIGURE 2 BOREHOLE LOCATION PLAN PORT OF GETAFE, GETAFE, BOHOL	PREPARED BY DENNIS CALDERON	CHECKED BY MANUEL T. VILLAFUERTE	APPROVED BY JOSE LEOPOLDO P. FAJARDO	SHEET NO 1
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FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 1a

PROJECT: FSDRRTSMERP

Elev. (MLLW) 1.20 M

Depth of Water: 1.50 m

LOCATION: Port of Getafe, Getafe, Bohol

Weather: F A I R

Date Measured: 24 June 2007

BH NO.: BH-1 DATE DRILLED: June 23 - 25, 2007

Northing: 1123190.60

Time Measured: 8:30 A.M.

Easting: 626803.40

DEPTH (m)	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)				Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, q _v , kg/cm ²	CONSO. TEST		SIEVE ANALYSIS % PASSING			
							15 cm	15 cm	15 cm	N-VALUE						LL, %	Pl. %		Compression Index, C _c	Precon. Press., P _c , kg/cm ²	4	10	40	200
1	SS-1	100	[Solid Black]	ML		Sandy SILT; dark gray; slightly palstic silty fines; very fine sand; presence of shell fragments; VERY SOFT.	1	0	0	0	0	0	51	2.64	42	19				100	99	92	69*	
3	SS-2	100	[Diagonal Hatching]				1	0	0	0	0	0												
4	SS-3	100	[Diagonal Hatching]			Sandy CLAY; gray; medium to high plasticity; contains little amount of fine sand and shell fragments; VERY SOFT	1	0	0	0	0	0	64	2.63	53	42				100	98	95	85*	
6	SS-4	100	[Diagonal Hatching]	CH			1	0	0	0	0	0												
7	SS-5	100	[Diagonal Hatching]				1	0	0	0	0	0												
9	SS-0	100	[Diagonal Hatching]			Silty CLAY; gray; high plasticity; contains little amount of shell fragments; VERY SOFT	1	1	0	0	0	0	67	2.60										100 94*

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MACHINE: ACKER ACE "W"
DRILLER: R. DAWI
SUPERVISOR: M. VILLAFUERTE

LEGEND:
 [Solid Black] SS - Split Spoon Sample
 [Diagonal Hatching] WS - Wash Sample
 [White] UDS - Undisturbed Sample
 [Vertical Hatching] CR - Core Sample

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

PROJECT: FSDRRTSMERP	Elev. (MLLW) 1.20 M	Depth of Water: 1.50 m
LOCATION: Port of Getafe, Getafe, Bohol	Weather: F A I R	Date Measured: 24 June 2007
BH NO.: BH-1	DATE DRILLED: June 23 - 25, 2007	Time Measured: 8:30 A.M.
	Northing: 1123190.60	
	Easting: 626803.40	

DEPTH (m)	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)		Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, q _v , kg/cm ²	CONSO. TEST		SIEVE ANALYSIS % PASSING			
							15 cm	15 cm	15 cm	N-VALUE				LL, %	PI, %		Compression Index, C _c	Precon. Press. P _c , kg/cm ²	4	10	40	200
11.0	SS-7	100	[Hatched]				1	1	0													
12.0	SS-8	100	[Hatched]			Silty CLAY; gray; high plasticity; contains little amount of shell fragments; VERY SOFT	1	1	0													
13.5	SS-9	100	[Hatched]				1	1	0		66	2.61	34	13		100	99	99	92*			
15.0	SS-10	100	[Hatched]		CH		1	0	1													
16.5	SS-11	100	[Hatched]			Sandy CLAY; gray; high plasticity; contains little amount of fine sand and shell fragments; VERY SOFT	1	1	1		63	2.62	61	40		99	99	98	68*			
18.0	SS-12	100	[Hatched]				1	0	1													
19.5	SS-13	100	[Hatched]				1	1	2													

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MACHINE: ACKER ACE "W"
 DRILLER: R. DAWI
 SUPERVISOR: M. VILLAFUERTE

LEGEND:
 [Hatched] SS - Split Spoon Sample [Cross-hatched] WS - Wash Sample
 [White] UDS - Undisturbed Sample [Vertical lines] CR - Core Sample

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

PROJECT: FSDRRTSMERP	Elev. (MLLW) 1.20 M	Depth of Water: 1.50 m
LOCATION: Port of Getafe, Getafe, Bohol	Weather: F A I R	Date Measured: 24 June 2007
BH NO.: BH-1	DATE DRILLED: June 23 - 25, 2007	Time Measured: 8:30 A.M.
	Northing: 1123190.60	
	Easting: 626803.40	

DEPTH (m)	SAMPLE NO.	RECOVERY (%)	SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)				Natural Moisture Content, %	Specific Gravity	Atterberg Limits		LICT, ρ_s , kg/cm ³	CONSO. TEST Compression Index, Cc Precon. Press. P _c , kg/cm ²	SIEVE ANALYSIS % PASSING				
								15 cm	15 cm	15 cm	N-VALUE						LL, %	PI, %			4	10	40	200	
											10	20	30	40											
21	SS-14	100			CH		Silty CLAY; gray; high plasticity; contains little amount of fine sand and shell fragments; SOFT	1	2	2			67	2.61	64	44					99	99	98	90*	
22																									
23	SS-15	100			CH			2	2	2															
24	SS-16	100			CH		Sandy CLAY; gray; high plasticity; fine sands; FIRM TO HARD.	4	4	4			67	2.60	65	40						100	99	95*	
25																									
26	SS-17	100			CH			4	3	2			54	2.59	52	26						99	98	91	63*
27	SS-18	33			SC		Gravelly Clayey SAND; yellowish brown; fine to coarse sand; high plastic clayey fines; gravel-size tuff; LOOSE.	21	24	10															
28																									
29	SS-19	100			Ts		Sandy Silty TUFF; yellowish brown; poorly graded sand; slightly plastic silt; VERY DENSE.	6	4	4			30	2.68	52	32						83	72	56	41*
30	SS-20	44						38	23	27			19	2.63								44	39	32	28

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MACHINE: ACKER ACE "W"
 DRILLER: R. DAWI
 SUPERVISOR: M. VILLAFUERTE

LEGEND:
 ■ SS - Split Spoon Sample ⊠ WS - Wash Sample
 □ UDS - Undisturbed Sample ▨ CR - Core Sample

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 1d

PROJECT: <u>FSDRRTSMERP</u>		Elev. (MLLW) <u>1.20 M</u>	Depth of Water: <u>1.50 m</u>
LOCATION: <u>Port of Getafe, Getafe, Bohol</u>		Weather: <u>FAIR</u>	Date Measured: <u>24 June 2007</u>
BH NO.: <u>BH-1</u>	DATE DRILLED: <u>June 23 - 25, 2007</u>	Northing: <u>1123190.60</u>	Time Measured: <u>8:30 A.M.</u>
		Easting: <u>626803.40</u>	

DEPTH (m)	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)				Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, q_u , kg/cm ²	CONSO. TEST Compress. Index, C_c Precon. Press. P_c , kg/cm ²	SIEVE ANALYSIS % PASSING							
							15 cm	15 cm	15 cm	N-VALUE 10 20 30 40						LL, %	Pl, %			4	10	40	200				
31	SS-21	83	[Symbol]	Ts		Sandy Silty TUFF; yellowish brown; poorly graded sand; slightly plastic silt; VERY DENSE.	50	12		50	12																
33	SS-22	41	[Symbol]			END OF BORING 32.92 M	27	38	12	50	22																
34																											
35																											
36																											
37																											
38																											
39																											

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MACHINE: ACKER ACE "W"
 DRILLER: R. DAWI
 SUPERVISOR: M. VILLAFUERTE

LEGEND:
 [Symbol] SS - Split Spoon Sample
 [Symbol] UDS - Undisturbed Sample
 [Symbol] WS - Wash Sample
 [Symbol] CR - Core Sample

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

A - 2a

PROJECT: FSDRRTSMERP
 LOCATION: Port of Getafe, Getafe, Bohol
 BH NO.: BH-2 DATE DRILLED: June 27 - 28, 2007

Elev. (MLLW) 5.35 M
 Weather: FAIR
 Northing: 1123285.50
 Easting: 828873.90

Depth of Water: 4.85 m
 Date Measured: 27 June 2007
 Time Measured: 5:00 P.M.

DEPTH (m)	SAMPLE NO.	RECOVERY (%)	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)				Natural Moisture Content, %	Specific Gravity	Atterberg Limits		UCT, σ_u , kg/cm ²	CONSO. TEST		SIEVE ANALYSIS % PASSING			
							15 cm	15 cm	15 cm	N-VALUE						LL, %	Pl, %		Compression Index, Cc	Prec. Press. P _c , kg/cm ²	4	10	40	200
1	SS-1	100	[Symbol]	CH		Sandy CLAY; dark gray; high plasticity; contains little amount of VERY SOFT.	1	0	0	10	20	30	40	83	2.62	72	51			100	99	97	83*	
3	SS-2	100	[Symbol]	GM		SAND-SILT-GRAVEL Admixture; gray; slightly plastic silt; coarse to fine sand; sub-angular coralline gravel; VERY LOOSE.	1	0	0	10	20	30	40											
4	SS-3	56	[Symbol]				3	1	3	10	20	30	40	46	2.62					65	52	39	35	
6	SS-4	56	[Symbol]	SC		Clayey Gravelly SAND; gray; fine to coarse sand; high plasticity clay; contains abundant amount of coralline gravel & shell fragments; VERY LOOSE.	1	3	1	10	20	30	40	47	2.64	54	34			75	63	47	33*	
7	SS-5	78	[Symbol]				6	3	8	10	20	30	40											
9	SS-6	67	[Symbol]	CL		Sandy CLAY; grayish brown; low plastic clayey fines; fine sand ; HARD.	10	10	12	10	20	30	40	27	2.64	46	24				100	92	74*	

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MACHINE: ACKER ACE "W"
 DRILLER: R. DAWI
 SUPERVISOR: M. VILLAFUERTE

LEGEND:
 [Symbol] SS - Split Spoon Sample
 [Symbol] WS - Wash Sample
 [Symbol] UDS - Undisturbed Sample
 [Symbol] CR - Core Sample

FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS

PROJECT: FSDRRTSMERP
 LOCATION: Port of Getafe, Getafe, Bohol
 BH NO.: BH-2 DATE DRILLED: June 27 - 28, 2007

Elev. (MLLW) 5.35 M
 Weather: F A I R
 Northing: 1123285.50
 Easting: 626873.90

Depth of Water: 4.85 m
 Date Measured: 27 June 2007
 Time Measured: 5:00 P.M.

DEPTH (m)	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	BLOWS (SPT)			STANDARD PENETRATION TEST (SPT)				Natural Moisture Content %	Specific Gravity	Atterberg Limits		UCT, q_u , kg/cm ²	CONSD. TEST		SIEVE ANALYSIS % PASSING													
							15 cm	15 cm	15 cm	N-VALUE						LL, %	PI, %		Compress. Index, C_c	Precon. Press. P_c , kg/cm ²	4	10	40	200										
11.0	SS-7	56	[Hatched]	CL			12	17	17																									
12.0	SS-8	100	[Hatched]	SC		Gravelly Clayey SAND; brown to light brown; fine to coarse sand; low plastic clayey fines; angular to sub-angular gravel; DENSE TO VERY DENSE.	7	11	25			34	2.64	45	21			80	63	41	24*													
13.0	SS-9	83	[Hatched]				60/12					50/12																						
15.0	SS-10	56	[Hatched]	SC		Gravelly Clayey SAND; brown to light brown; fine to coarse sand; high plastic clayey fines; angular to sub-angular gravel; VERY DENSE.	25	24	26			50/30	2.69	52	27			92	81	66	47*													
16.0	SS-11	53	[Hatched]				25	40	10/8			50/23	2.69	56	37			76	83	47	34*													
16.43						END OF BORING 16.43 M																												

