		_			-	-	NAL BOREHOLE LOG	_	_	T	3RO	IND	ELE	v			-	1	-	-	-	-	MR	-	20	3
				i P	asi		larikina River Channel Imp.	. Pr	oj.		MLL	W = ;	Zera	Datu	m) <u>+</u>	<u>16.7</u> 650	<u>55</u>	1.1			NATE	-		.80)ec.	200	. m. Ю
	CAT						R. Bank, Marikina River					ATHE	I NO. ER:	•							URE			00 F	_	-
BH	NO:			L-28	-	ATE	E DRILLED: 09 - 11 December	1	-	-	00	RDIN	IATE	S: _	16	17,1	61.1	-	N		5	08,6	56.7	750	- 6	E
ε	ġ	8	Ìш	ğ	VIIO				(SP1			5	STANE			XST *	<u>ا ا</u>				COMP	TEST		VE AN		
DEPTH	SAMPLE NO.	RECOVER	SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	15 cm		15 am		PENE	(N-VA	ion t T) Lue)	'EST	NATURAL MOIST.	TOTAL UNIT WEIGHT, glos		PLASTICITY INDEX %	SPECIFIC GRAVITY	STRENGTH kg/cm2	STRAIN 2 %	4	10	40	200
1 2 2 3 3 4 4 5 6 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SS-1	6	X	1	CH		Sandy CLAY; brown; 25% fine	1	1	2	1					44		52	25	2.61					100	75
2	55-2	4			un		sand; 71-75% high plasticity clay; SOFT.	1	1	1																-
3	SS-3	6	X				· · · · · · · · · · · · · · · · · · ·	1	1	2	L					35	-	50	30	2.61			98	98	96	71
4	SS-4	5	BX		SM		Silty SAND; light brown; 12% sub-angular gravel; 23% non- plastic silt; 14% medium sand;		11	18		/	7			_	-									-
mlun	88-5	4	X				43% fine sand; traces of coarse sand; MEDIUM DENSE.		7	10		11				-	-									-
1111 6 1111	SS-6	5	X	<u>"</u>				6	7	7						17	-		1	2.84			68	80	88	23
111/111	S\$-7	6	X	1			Silty CLAY; dark gray; traces of fine sand; high plasticity; STIFF.	5	8	7						-	-									
8	SS-8	6	X				Sandy CLAY; grayish brown;		4	5						-					-				_	-
and and	55-9	6	X				22% sub-angular gravel; 12% medium sand; 11% fine sand; traces of coarse sand; 47% high plasticity clay; VERY STIFF TO	9	10	9			1			42	-	63	44	2,85	+		78	70	58	47
10 10	SS-1 0	51	X				HARD.	9	19	21				\geq		-							_			
11	85-11	8	X	1	сн		Gravelly CLAY; gravish brown;		7	7		1			+											
-12	SS-12	8	X				10% pea size gravel; traces of coarse to fine sand; 80% high plasticity clay; VERY STIFF.	4	7	8		$\left \right $				31		75	48	2.84			90	88	84	80
-13	SS-13	8		1				8	8	11							1			1						-
14	SS-14		X						11				7			-									-	
	SS-15		X				Sandy CLAY; brown; 11% medium sand; 31% fine sand with traces of coarse sand; 50% high plasticity clay; VERY		2 27				1	1	\geq	37		61	37	2.61			98	92	81	50*
-16	SS-16		X	1			STIFF TO HARD.		7			5														
11 12 13 14 15 16 17 18	SS-17 SS-18		A				Silty GRAVEL; brown;34% non-		10							30				2.64			53	40	39	24
-18	6S-19		X		GМ		plastic silt with traces of coarse to fine sand; 47% sub-angular gravel; MEDIUM DENSE TO DENSE.		1 14																	
=	SS-20		X	•••			End of Borehole (20.00 m)		1 15																	
	:			M/ 2n(AN/ d F	\GE loor	ECHNOLOGY AND MENT CORPORATION Prodential Bank Building	ACH RILI	HIN EF	E: ? :			I. A	ND	OYO STAUR	Δ	-			1	58 - 87 NS - W JDS - 1 CR - CI N/ HY(iash s JNDIS DRE S/	ampl Turbi Ampli	JE ED S/ E	MPL	E

Figure 5-3-3 (141/221) BORING LOGS (PHASEI)

R	RODECT: Pasigh Marikina River Channel Imp. Prob. (MUM-2an Datum) +10.70 OCATION: R. Bank, Marikina River, Santolan NOTE MILE Prob. (MUM-2an Datum) +10.70 NOTE MILE Prob. (MUM-2an Datum) +10.70 NOTE MILED: 09-11 December 2000 Concention Fragmentiation of the addition o		.20	200	្តក ក																					
-0	САТ	101	4:		R.	Ba	nk, Marikina River, San	ntolan	1	_).: 												_
3H	NO:	BN	IRL	-29		ATE	EDRILLED: 09 - 11 Decen	nber	20	00	-			ES:			23.7	50	N	I	5	08,6	47.2	250	_	1
_	ö	(%)	1	3	NOL										_	ti a	-8	0000000						VE AN ASSIN		
CEPIH, M	SAMPLE N	RECOVERY	SAMPLE		CLASSIFICAT	ROD	DESCRIPTION						IETRA (S (N-V	(TION PT) ALUE	TEST	NATURAL MO CONTENT	TOTAL UNI	LIMIT, %	PLASTICITY INDEX, %	SPECIFIC GRAVITY	STRENGTH kg/cm ²	STRAIN Z %	4	10	40	
- 1	SS-1	67	X		сн		plasticity silty clay; with li	ittle			2	/				40									100	
2			A	1	СН		sand; 74% high plasticity c	fine clay;								37		54	31	2.61				100	99	
-3					GM		coarse sand; sub-angular gra	own; avel;	23	24	24		1	/	7											
5	SB-5	56			ST		SANDSTONE: gray to bro	wn:	24	24	25															
6	CR-1	35		2	_	0	SOFT.							_	/	-		82	45	2.00			100	97	95	
7				L-29 TOBMAS DOT BAMA 2nd																						
9					Pasig R. 1 29 DA NOLVOIT		light brown; 92-98% h plasticity silty clay; with li	high little	4	4	4															
10	5 8-9	56		R 29 I TOG SYMBOL CH CH CH SM			VERY STIFF.	. 10	8	7	10	\setminus				38	-	80	58	2.80				100	99	
11	SS-10	56		29 TOBWAS SOT	сн				7	8	9					-			-						_	
12	SS-11	56					Sandy CLAY; light brown; 2	24%								45		RA	26	2.82		-	97	Q4	92	-
13			X	1	1		gravel and coarse to med	nuit								33		SHE	23	2.52						
15			X	1			plastic silty clay; with li	ittle	3	3	4	<												-		
16	SS-15	56	XI						14	18	20		1	7		44		79	58	2.60			100	99	98	
17	SS-18	56							19	14	14					-	-		-							
18	SS-17	40	X		SM		sand; 23% fine sand; with l amount of coarse sa MEDIUM DENSE TO VE	little and:			15				\backslash											
19 20			X					1)								20				2.64			99	BA	43	
F				MA 2nd	I FI	GE oor	ECHNOLOGY AND MENT CORPORATION Prudential Bank Building, labini St., Ermita, Manila	MAC DRI SUF		INE ER	:		R.	A	ER AC		_			l L C	VS - W JDS - L JR - C(LIT SP ASH S INDIS1 DRE S/ IROME	AMPL (URBI AMPLI	e Ed Sa E	MPL	Ē

Figure 5-3-3 (142/221) BORING LOGS (PHASEI)

					F	IN	IAL BOREHOLE L	OG	A	ND			-		-	0	F '	TE	ST	1	-	-	-			-	30)
PR	OJ	EC	T: ₁₉	Pa	sig	-M	arikina River Channel	lmp.	Pro	oj.	(MLLW	= Z	ero [Dati									-	-		200	, m O
LO	CAT	ION	:			R	. Bank, Pasig - Marikin	a							-		-											
BH	NO:	-	1.0.10	30	DA	TE	DRILLED: 12 - 13 Dece	mber	20	00	-				S:		161	7,76	62.5	00	N	l <u>. </u>	5	08,6	89.5	00	_	E
H, m	E NO.	ERY (%)	WBOL	ICATION		3	DEDODIDION					PI		TRATI	ON			L MOIST AT, %	L UNIT T, g/cc	LIM	ITS		COMP.	TEST				
DEPT	SAMPL	RECOVE		CLASSIF	Ō		DESCRIPTION		15 cm	18 cm	15 cm	10		N-VAL	.UE)			NATURA	WEIGH		PLASTIC! INDEX	H H	STRENG!	STRAIN A %	4	10	40	21
1	SS-1	44	X	MI			coarse sand; 11% mec sand; 15% fine sand; 15% angular gravel; 49% non-pl	lium sub-	4	4	4							29				2.63			85	75	84	
- 2	S6-2	56	X	-	1	1	•	euh.	2	2	2												-					T
	55-3	67		SN	A		angular gravel; 33% non-pl silt; 9% coarse sand; medium sand; 11% fine s	astic 15%	7	B	8							18				2.64			68	59	44	:
PROJECT: Pasig-Marikina River Channel Imp. Proj. RRUND-2 EXP. Depth of Warter. 4.50 LOCATION: R. Bank, Pasig - Marikina Resolution Mol.: 10 + 260 Deft MARAURIC 11 (2000) Deft MARAURIC 12 (2000)		1																										
-5	SS-5	67	∧ X	sv	v		13% non-plastic silt; angular gravel; 16% co sand: 20% medium sand:	41% arse 10%	15	18	20				\rangle												_	
PROJECT: Pasig-Marikina River Charmel Imp. Proj. GRUND SEEV. (MUM # 2x0 Datr) DEFMON WARE: 44.88 BH NO: R. Bank, Pasig - Marikina Station No. 10.4 28.0 Date Meauage: 10.7 02.000 Note Meauage: 10.7 00.4 BH NO: BM NO: BM RO: BM RO: BM RO: BM RO: DATE DRALLED: 12.13 December 2000 10.4 26.00 Note Meauage: 10.7 00.4 Station No. Station No. 10.7 02.000 No. 500,839.500 000,839.500	23	ł																										
-7	SS-7	78					10% sub-angular gravel;	10%	9	9	16																	
8	ROJECT: Pasig-Marikina River Channel Imp. Prot. COUNT COLOR CONTROL 12 DE CONTROLLES (UNIT & 200 DAMMER): 14.08 OCATION: R. Bank, Pasig - Marikina COUNT DESLED: 12-13 December 2000 COORDINATES: 1017/02.000 N. 600,809.50 MINO: MARL-30 DATE DRELED: 12-13 December 2000 COORDINATES: 1017/02.000 N. 600,809.50 OUR STATUS NOC: 10 + 250 Noc Paris Not Status Noc Paris																											
- 9	ROJECT: Pasig-Marikina River Channel Imp. Proj. GRUND ELY. 14.888 DEFTMOR WATER COLORING TO 10.4280 OCATION: R. Bank, Pasig - Marikina NOT EVALUED: 12.13 December 2000 CORDINATES: 1017.02.000 N	-	90	80	74	+																						
PROJECT: Pasig-Marikina Edition 4.488 LOCATION: R. Bank, Pasig - Marikina Station No: 10 4 280 Date Measure: 7.000 BH NO: 6MRL-30 DATE DRALED; 12 - 13 December 2000 COONDMATES: 1917/762.500 M. D62689.500 Station No: 1017/762.500 M. D62689.500 Control Market 1017/762.500 M. D62689.500 Station No: 1017/762.500 M. D62689.500 Control Market 1017/762.500 M. Control Market 1017/762.500 M. 1017/7762.500 M.<		-																										
	55-11	DJECT: Pasig-Marikina River Charmel Imp. Proj. BRUND ELEV. 14.885 DEFM OF WATE:: 4.90 CATION: R. Bank, Pasig - Marikina (10.7.25)		-																								
-12	55-12	ECT: Pasig-Manikina River Chanmel Imp. Proj. GRUND ELFV, with 280 bitm() ± 14.880 bitm() DEPTHOF WATER: 4 A80 bitm() DEPTHOF WATER: A80 bitm() DEPTHOF WATER:	97	49																								
-13	6 8-13	100	BARR-30 DATE DRALED: 12-13 December 2000 WATHER: FAIR Time MEXHOLD: 12-13 BARR-30 DATE DRALED: 12-13 December 2000 CORRUNTES: FAIR Time MEXHOLD: 10-00 Start Start DESCRIPTION IS and start Start																									
-14	SS-14	44							22	24	27				/	/		_	-		_		-					
	SS-15	44							20	24	29							28				2.63			100	99	45	
-15																												
-19 -20		Ē	M	AN	AG	E	MENT CORPORATION												_	ĺ		N	vs - w	ASH S	AMPL	E		
L		117						SU	PEI	RV	ISC	DR:	_	М.	E	STA	UR	A	-	1	*	C	R - CC	DRE S/	MPLI	Ε		

Figure 5-3-3 (143/221) BORING LOGS (PHASEI)

	0.17		т ^ь .		10	-		AL BOREHOLE LO				01	2011		C3.4	tum)				DE	РТН		VATE	-		.20	-	m
				<u>-</u>	as	ig	- M a	arikina River Channel Im	ip. r	-10	Ŀ	(M S ⁻	illw Fath	= Zei ON N	o Da O.:	tum) 10)+4	60		1				D: <u>14</u>)
_	CATI			_		-		R. Bank, Marikina			-			HER		1	AI		E 4	-		-	URE	08,7	-	0 Al	VI	E
3H		-		L-3	-	-	TE	DRILLED: 12 - 13 Decem	ber	200 8L		-	ORI	DINA	TES:		1617		5.1	1	BERG	· _	UNCON	FINED	SIE	VE AN		319
DEPTH, m	SAMPLE NO.	RECOVERY (%)	SAMPLE	LOG SYMBOL	CLASSIFICATION		ROD	DESCRIPTION		(5	15			ENTEF	SPT)	N TEST		NATURAL MOSU.	TOTAL UNIT WEIGHT, gree	LIM * TIMIT	PLASTICITY	SPECIFIC GRAVITY	COMP. HLISHENGY	NIVER ST	96 P/	10		21
- 1		22	X		sW			Gravelly SAND; brown; 24 sub-angular gravel; 11% coar sand; 18% medium sand; 17 fine sand; 30% non-plastic s LOOSE	rse 7%		2	2	1					1				2.64			76	65	47	
- 3	55-2 53-3 55-4	22 33 33			GI	6		Sandy GRAVEL; dark gra 16% non-plastic silt; 11 medium sand; 11% fine sa with traces of coarse sand; 53 sub-angular gravel; VE LOOSE TO MEDIUM DENSI	1 % and 3% RY	3	1							39				2.65	5		47	38	27	
- 5	55-5 55-6	27 33	X		M			Sandy SILT; gray, 12% line sand with litie am of medium sand; 79% non-plastic sit; HARD	nount		50,			1	1	1		51				2.6	2		98	96	91	
-7	CR-1	17	The second second		S		18	Tuffaceous SANDSTONE; crea brown; highly weathered; HARC	amy D.	C	DRI	NG																
- 1 - 2 - 3 4 5 7 7 7 7 7 7 9 10			THE R. LEWIS CO., LANSING MICH.				25 25	Tuffaceous SILTSTONE; crea	amy																			
- 11 - -12 -	CR-4	44	The second second		S	3	18	brown; highly weathered; HA	RD.	C	OR	ING						37	1.5	9				10.19	2 0.69	93		
-13 - -14	CR-5	30					16			с	ØR							-								-		
- 	CR-6	25	9				23	End of Borehole (15.00 m)		C	OR	UNG						3	4 1.5	6				16,19	0.7	20		
- 11 12 13 13 13 13 14 15 17 17 17 18 	3							-																				
20				12	AAI Ind	NA Fi	AGE	TECHNOLOGY AND EMENT CORPORATION Prudential Bank Building, Mabini St., Ermita, Manila	DF	LL ACH RILL JPE	E	R:			R.	KER AND EST	0			LE			WS- UDS CR-	SPLIT (WASH - UND) CORE YDROI	SAM STUF SAMI	PLE IBED { PLE	SAMF	٦Ĺ

Figure 5-3-3 (144/221) BORING LOGS (PHASEI)

RC	JE	C1	P	asi		AL BOREHOLE LO			-0	GRO (ML	DUND LW = Z	ELE\ ero I	/.)atum	n)+	· <u>15.7</u>	75_	DE	PTH	OF V	VATE	R: D: <u>21</u>			000	m.)
		ON:				ank, Pasig - Marikina Riv				ST/		NO.		10	+ 750 A I R)):				_
SH V	IO:	BMF	RL-32	100		DRILLED: 20 - 21 Decemi		200	0				S:		518,0	50.1	00	N		5	09,0	60.1	00		E
				-				8LC	WS PNS			000000			L's #	8	ATTER	BERG			TEST		/E AN SSIN		
	SAMPLE NO.	RECOVERY (%) SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION		16	15 1 m c		PENE	(SP (N-VA)	ON TI T) _UE)		NATURAL MOI	TOTAL UNIT WEIGHT g/cc	LINIT. %	PLASTICITY INDEX, %	SPECIFIC GRAVITY	STRENGTH kg/cm ²	STRAIN M	4	10	40	20
1 8	55-1	67		СН		Silty CLAY; brown to gray brown; 92% high plasticity s clay; traces of fine sand; VEI SOFT TO STIFF.	ILLY	1		1					47		69	49	2.60				100	99	9
2	55-2 55-3	67 89	Í	ML		Sandy SILT; dark gray; 12% sub-roun gravel; 22% coarse to fine sand; 66% r plastic sit; VERY STIFF.	ided non-	9							43				2.62			88	81	74	6
-1 8 -2 4 -3 5 	SS-4	89						3		6	K										a contractor				
- 5	55-5 55-8	89 89	ĺ	CH		Silty CLAY; brown; traces of 1 sand and decayed wood; 9 high plasticity silty clay; ST TO VERY STIFF.	70%		4	13	/	1			21	5	71	50	2.6	0		100	93	97	
-7	SS-7	89	E					5	7	14					-	-					-				
	SS-8			1	+	Sandy CLAY; brown; 26%	fine		13						2	3	45	1 24	2.5	1		92	87	87	
- 9 - -10	SS-9 SS-10		Ý	1		sand; traces of gravel a coarse to medium sand; 5 medium plasticity clay; HAF	and 56%	8	13	20							-							-	
- 11	SS-11	78	K	1					13						-	21		4 23	3 2.6	32		70	65	6	2
-12		2 78 100	X	c	L	Gravelly CLAY; brown; 1 coarse sand; 14% fine se with little amount of med sand; 30% sub-angular gra 48% medium plasticity c	and; Ilum avel;		24 23	27								-							
- 11 12 13 	SS-14					HARD.	July,		16	30				И	C	-		-	-		-	-	-		
-15	SS-1:	69	X			Sandy CLAY; brown to brow gray; 21% fine sand; with amount of gravel and coars	little se to		14				K			32		4 4	5 2.	61		9	7 95	9	3
-16	55-10			1		medium sand; 72% med plasticity clay; HARD.	muit	8	16	32				$\left \right\rangle$											
-16 17 18 -19	SS-1 SS-1		X1	s	M	Silty SAND; dark gray; non-plastic silt; 48% fine s with little amount of med	and;	14		24 12 19						37	1		2	.62		10	0 9	9 9	17
-19	SS-11	9 77			:H	sand; VERY DENSE. Silty CLAY; dark gray; traces o sand; high plasticity clay; HARD) .			9															
	SS-2	0 89		BA MA MA	SIC NAG Floo	End of Borehole (20.00 r TECHNOLOGY AND EMENT CORPORATION or Prudential Bank Building, Mabini St., Ermita, Manila	M/ Df	ACH RILI JPE	HIN LEI	E: २:	 DR: .	E	. R	IEZ	ACE A AUR/	4				WS UDS CR	SPLIT - WASH - UND - CORE	I SAM ISTUF SAM	PLE RBED PLE	SAMI	PL

Figure 5-3-3 (145/221) BORING LOGS (PHASEI)

PROJI	-			AL BOREHOLE LC		-	-	-			-	OF	TE	ST	1	-	-	- Cas	-	_	-	3	3
	ECT:	Pas	ig-N	larikina River Channel Ir	mp. P	ro		(M		Zero	Dat	ит) <u>+</u>						VATE	_				_1
LOCATI	ion:			R. Bank, Marikina			_				100	11 · F/						URE	1000				1
BH NO:	BMRL-	33 C	DATE	EDRILLED: 04 - 05 Janua	ary 2	00	-					16		31.1				-	09,3		-	101	-
- o	(%)	NO			1		OWS						ti se	. 9	ATTER	BERG		UNCON COMP			VE AI		
SAMPLE NO.	RECOVERY (%) SAMPLE LOG SYMBOL	CLASSIFICATION	RaD	DESCRIPTION		18	15 1. em ei		PEN	(S (N-V	tion Pt) Alue;	TEST	NATURAL MOIST.	TOTAL UNIT WEIGHT, Bro		PLASTICITY INDEX %	SPECIFIC GRAVITY	STRENGTH hg/cm ²	STRAIN . %	4	10	40	
1 58-1	M			Sandy CLAY; brown to gray brown; 12% medium sand; 3 fine sand; traces of gravel coarse sand; 53% high plasti clay; SOFT.	35% and	2	2 2	2					26			34				94	88	76	
2 88-2	67	CH			_	1	1 :	2					-			-						_	-
1 SS-1 -2 SS-2 -3 SS-3 -4 SS-4 -5 SS-5 -6 SS-6 -7 SS-7 -8 SS-8 -9 SS-9 -10 SS-10	67			Sandy CLAY; brown; 22% f sand; traces of coarse medium sand; 13% sub-round gravel; 49% high plasticity c STIFF.	to ded	5	5 (5	V				24		57	32	2.82			87	80	71	
4 55-4	89	0	-			4	5 !	5					-							-	_	-	-
5 88-5	100	GM		Sandy GRAVEL; brown; 1 coarse sand; 16% medi sand; traces of fine sand; 5 sub-rounded gravel; 5% n	ium 54%	4	4 :	5					-										
6 SS-6	100			plastic silt; LOOSE TO MEDI DENSE.	IUM	5	6 (3	$\left \right\rangle$				7				2.65			48	29	13	-
7 88-7	100	-				8	8	9					-				-						
8 SS-8	100	1		Silty CLAY; brown; 96% f plasticity silty clay; with li amount of fine sand; VE STIFF.	high ittle ERY	7	9 1	0															
9 88-9	100	1				11	12 1	2		N			33		71	40	2,60			99	99	98	
10 \$\$-10	100	СН				18	<u>19</u> 2	2				\backslash	-										
11 SS-11	100	1		Sandy CLAY; brown to d brown; 33% fine sand; 57% I plasticity clay; VERY STIFF	high	23	25 2	15					-				-						
12 55-12	100	1		HARD.		28	29 2	n					30	-	61	37	2.82	-		100	91	90	
13 SS-13	100					13	14 1	6			K		-	-			-						
14 SS-14	89	4			_	8	12 1	4		1			-	-	-	-	-						
15 SS-15	X	MI.		Sandy SILT; brown to d brown; 28% sub-angular gra 20% fine sand; traces of coa to medium sand; 36% n plastic slit; HARD.	avel; arse 10n-		16 2 2 30 1	9			\backslash		14				2.65			72	63	56	
-16 - -17				End of Borehole (15.95 m)																			
- 11 \$8-11 - 12 \$8-12 - 13 \$8-13 - 13 \$8-13 - 14 \$8-14 - 15 \$8-14 - 15 \$8-15 - 16 \$8-16 - 17 - 17 - 18 - 19 - 20		IAN/	AGE	ECHNOLOGY AND MENT CORPORATION Prudential Bank Building,	MAC			: .		R.));E	_		IND:		58 - SP				×.E	

Figure 5-3-3 (146/221) BORING LOGS (PHASEI)

		ECT: Pasig-Maintaina River Chamma Imp. PDJ. (MUW= Zero Datim) - 13320 DATE MEASURED: 02 Jan. 2001 RDN: R. Bank, Calumpang Marikina Stamon No.: 114 450 DATE MEASURED: 130 PM IBML-34 DATE DRILLED: 02 - 03 January 2001 Common Test FAIR The MEASURED: 0.000 File Mea	!																										
R	OJI	EC	T	F	as	sig)-M	arikina River Channel	Imp.	Pro	Ŀ	()	ALL	W = 2	Zero	Date				26									m
.0	CATI	101	4:	-		F	R. E	Bank, Calumpang Maril	kina		-					-	_		-	-	1								
3H		-		L-3	-	-	ATE	DRILLED: 02 - 03 Jan	uary 2	2001		CC	00	RDIN	IATE	S:		1617	,52							1.1.2.2		-	E
ε	ġ	(%)		BOL	NOIT									8	TAN	DARE	,		OIST.			e an cel							
DEPIH,	SAMPLE NO.	RECOVERY	SAMPLI	LOG SYM	CI ASSIFICA		Rop	DESCRIPTION						PENE	(N-VA	ion ('T) Lue)	TEST		CONTENT,	TOTAL UN WEIGHT,	LIQUID	PLASTICITY INDEX *	SPECIFIC	STRENGTH hg/am ²	STRAIN M. &	4	10	40	2
1	55-1	67	X		81	W		plastic silt; 71% fine s	non- and;										18				2.83				100	90	
2 3	55-2 85-3		X		CI	H		sand; 57% high plasticity	6 fine clay;										37		55	31	2.62					100	
4	85-4 55-5		X																										
6	SS-6	88	X		9			sub-angular gravel; 24-30% plastic silt; 9-14% coarse	6 non- sand;	4	4	4	1						38				2.84		-	89	80	49	
- 4 - 5 - 6 - 7 - 8 - 9	88-7	86	V	ſ				fine sand; VERY LOOS	-25% E TO	12	10	8		$\left \right\rangle$						-	-	-	\vdash	-	-				+
8	SS-8	61	X	•						B	9	10									$\left \right $	-	-	+					
9	SS-9	8	N	Ш	-	-	_			14	13	10			\rangle				15	+	-	+	2.8	5	-	74	60	43	
10	SS-10	8						Sandy CLAY; brown; 11% sand; traces medium sand	% fine 1; little						4	/					-		-			-			
- 11	58-11	10	OX	K		H		sand: 74% high plasticity		18	18	26					D				1	1	1	1	1				
12	SS-12	2 10	0	Z	1					15	18	21				1	1		21	-	60	37	2.6	1	1	98	82	85	
-13	85-13	10	o X	IT	1	-				20	22	19				1	ł		-	+	1	1		1	-		-		-
-14	SS-14	10			,	aL.)		angular gravel; 31% fine	sand;		12	12			1	1			-	1		1				+			-
-15	SS-15	5 8						medium sand; 52% low pla	asticity	8		18			K	L			25		-	-	2.6	12	-	90	86	83	
-16 - -17 -	SS-16	8 8	5					End of Borehole (15.92 m)		34	32		7				4												
			1					TECHNOLOGY AND		ACH			-						E		LEC	ZEND	:		SPLIT 8				
	-	h	Ţ	2	nd	F	100	r Prudential Bank Building Mabini St., Ermita, Manila		rill Jpe	R\	/15	_	_	I. M	LU M. . VI	ENG EST	as 'Aur Fuei	RTE	_				UDS CR-	WASH - UND: CORE /DROI	STURI SAMP	bed 9 Le		

Figure 5-3-3 (147/221) BORING LOGS (PHASEI)

		4.45	_			FII	NAL BOREHOLE	0G	A	ND) 2	UM	MA	RY	0	F 1	re:	ST	R	ES	UL'	rs	1	ИR	L-	3:	5
PR	OJ	EC	T:	P	asi	g-N	larikina River Channel I	lmp.	Pre	oj.	(ī	ROUN /ILLW	a Zerc	Dat	um) _	+ 1	5.49	93				NATE					m.
LO	CAT	101	N:			R .	Bank, Calumpang Marik	kina				TATIC		1000	1000	1+7 FAI						SURE				1000	<u>)</u>
BH	NO:	-		-3		АП	E DRILLED: 26 Dec 04	Jan.	200	01	-	OORD						21.5	-	-	I,		09,7				E
I E	ò	(%)		ğ	NOIL					LOV (SP1			CTAR	IDAR			*	- 3				COMP	NFINED		VE AN		
DEPTH,	SAMPLE NO.	RECOVERY (%)	SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION			15 cm			VETRA (S (N-V	(TION (PT) (ALUE	TEST		NATURAL MUISI.	TOTAL UNIT WEIGHT, gfoc	LIQUID LINIT %	PLASTICITY INDEX %	SPECIFIC GRAVITY	STRENGTH kg/cm2	M STRAIN	4	10	40	200
ատեսորութ	SS-1 SS-2		X		SM		Silty SAND; brown; 41- non-plastic silt; 52-59% sand; LOOSE.	47% fine	2		2	1					27				2.83				100	99	47
12 11 12 13	55-3								5			V					27				2.63					100	41
E	S 5-4	89	X:				Silty SAND; brown; 30% plastic silt; 13% coarse s	non-	7	7	8	N															
and a solution of the solution	SS-5	100	X		SM		14% medium sand; 19% sand with 24% sub-rour gravel; MEDIUM DENSE.	fine	5	12	13		1														
1 minut	SS-6	100	X						7	10	13		K				33				2.64			76	63	49	30
minulu 1	85- 7	100	¥							18				\sum													
ملسله	85-8		M	1	СН		Silty CLAY; creamy brow brown; 96% high plasticity clay; with little amount of sand; VERY STIFF TO HA	silty fine			12						33		68		2.80						
n hunder	SS-9 55-10		X							14				N					00	44	2.50			100	99	98	96*
E	55- 11	100	X	1					14	18	19																
uluuluu	55-1Z	100	X		СН		Sandy CLAY; brown; 11% sand; 86% high plasticity VERY STIFF.	fine clay;	12	10	12		K	ĺ			22		57	35	2.60	1		100	98	97	85*
13 13	85-13	89					Silty SAND; brown; 37%				12 21,											-					
uluulu	55-14 55-15		X		SM		plastic silt; 18% medium s 44% fine sand; VERY DE	sand;			7 20/10						21				2.63			400		Å 4	
11 12 13 13 14 15 16 17 18 19							End of Barehole (14.95 m)															•			98		37
	3	=) 		M/ 2nd	AN/ d F	\GE loor	ECHNOLOGY AND MENT CORPORATION Prudential Bank Building, Iabini St., Ermita, Manila	MA DR SU	ILL	.EF	: .	DR:	R. I.	CAS LUE M. E	ER /	IN S URA		-			l L	55 - SF NS - W JDS - L CR - CA N/ HYT	ASH 8 JNDIS ⁻ DRE 8/	AMPL TURBI AMPLI	.e ED 8/ E	MPL	E

Figure 5-3-3 (148/221) BORING LOGS (PHASEI)

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FINAL BOREHOLE LOG AND SUMMARY OF TEST RESULTS MRL - 38 PROJECT: Pasig-Marikina River Channel Imp. Proj. GROWD ELEX (MIP - ano blank) 16.301 (MIP - ano blank) Mar 30 (MIP - ano blank)	5																								
PR	0J	EC	T: _	Pas	ig-N	larikina River Channel Im	p. P	roj		(MLL	W = 3	Zero I	Datu	/m) <u>+</u>	15.3	<u>91</u>								200	. m 0
LO	R0 JE CT: Pasig-Marikina River Othannel Imp. Proj. (R) WP EEV STATION NO.: (15.36) (12.41) DETHOP WATER: (2.50) (2.51) PACE DRILED: R. Bank, Calumpagi Marikina (2.51) (2.5		Ť																						
BH	RO JECT: Pasig-Marikina River Channel Imp. Proj. GROWD ELY. District of the MARKET 200 Dec 200 DCATION: R. Bank, Calumpang Marikina STATION NO. 12 + 112 co. Dec 20 Dec 200 MOC BMRL 39 DATE DRILLED: 26 - 28 December 2000 COORDINATES: 1017,671750 N. Doop 107,50 VEX.000 EXMIT: MOC BMRL 39 DATE DRILLED: 26 - 28 December 2000 COORDINATES: 1017,671750 N. Doop 107,50 VEX.000 EXMIT: DESCRIPTION Entrantion of the MARKET State of the MA		E																						
_	OJECT: Pasig-Marikina River Channel Imp. Proj. GRUND ELEV. (MULUE 2200 Educ) + 16.391 STATION NO.: 12 + 112.80 STATION NO.: 12 + 112.80 DESCRIPTION Description CFWATER: 0.60 DESCRIPTION 00: BARL-35 DATE DRILLED: 26 - 28 December 2000 Control Con																								
DEPTH, n	SAMPLE N	RECOVERY		CLASSIFICA	RQD	DESCRIPTION					PENE	TRATI (SP	ion ' T) _UE)	TEST	NATURAL MO CONTENT.	TOTAL UNI WEIGHT, p	LIMIT, %		SPECIFIC GRAVITY	STRENGTH Mg/am ²	BTRAIN # #	4	10	40	20
1	OJECT: Pasig-Marikine River Channel Jmp. Proj. (Mound ELEX) + 15.361 Date Manueco. 2.69 CATION: R. Bank, Calumpang Marildina Extinction No.: 12 + 11260 Date Manueco. 2.30 PM NO: BMRL-33 DATE ORILLED: 26 - 28 December 2000 CORDINATES: 1617,617.700 N. 500 FM 02 Strandow Stran	4																							
2	UDS-1	100				Sandy CLAY; brown; 27% fin sand; 72% high plasticity clay;		RE	SSED						43	40kp8	1	35	2.61				100	99	7
	RO JE C T: Pasig-Marikina River Channel Imp. Proj. OCATION: R. Bank, Calumpang Marikina Galumpang Marikina Galup Marine Galumpang Marikina <td></td> <td></td> <td></td>																								
4						Silty CLAY: brown: 90% hig		4 6	6 10						25		62	40	2.60			100	99	97	9
5	SS-4	100				plasticity silty clay; traces of fin	e	8 (8 9						-	-	-								
6	SS-5	100					-	7 1	8 9						-	-						_			-
7	88- 0	100				sand; traces of fine sand an gravel; 77% high plasticity clay	d [1	10 1	0 11						20		54	34	2.61			94	93	88	7
8	SS-7	100	CT: Pasig-Marikina River Channel Imp ON: R. Bank, Calumpang Marikina BMRL-36 DATE DRILLED: 26 - 28 December BMRL-36 DATE DRILLED: 26 - 28 December BMRL-37 DATE DRILLED: 26 - 28 December BMRL-38 DATE DRILLED: 26 - 28 December BMRL-39 DATE DRILLED: 26 - 28 December BASIC TECHNOLOGY DESCRIPTION BASIC TECHNOLOGY AND MANAGEMENT CORPORATION 20 Floor Prudential Bank Building. Management of the send and the send; 18.00 m)	- 1	10 1	1 11						-	-												
9	SS-8	100		Pasig-Marikina River Channel Imp. Prod. R Bank, Calumperg Marikina CRUND ELEM (IILU + 260 Leum) + 15.391 BYTON NO. : 12 + 112.60 WEATHER F AIR BURNELED: 28 DEC. 20 DETENDENT 28 DE																					
10	5 5-9	100		СН	asig-Marikina River Channel Imp. Prol. PROUND ELEV (INUM 2 200 Data() DEPTHOR WATCH: 0.50 R Bark, Calumpang Marikina DATE DRILLED: 28 - 28 December 2000 DEPTHOR: 15.30 DRI MARUNE: 2.30 PM (INUM 2 200 Data) DATE DRILLED: 28 - 28 December 2000 COOPDINATES: 1017,071.750 M, 509,018,750 Date DRILLED: 28 - 28 December 2000 COOPDINATES: 1017,071.750 M, 509,018,750 OT Sandy Sity CLAY; hrow; 49% (INUM 100 00 50) Sandy CLAY; brow; 10% high plassify loging function (INUM 2000 B) Sandy CLAY; hrow; 49% (INUM 2000 B) Sandy CLAY; hrow; 10% high plassify loging function (INUM 2000 B) Sandy CLAY; hrow; 10% high plassify loging function (INU 1000 B) Sandy CLAY; hrow; 10% high plassify loging function (INU 1000 B) Sandy CLAY; hrow; 10% high plassify loging function (INU 1000 B) Sandy CLAY; hrow; 11% fine sand; Traces of fine sand and grave; '7% high plassify loging function (INU 1000 B) Silty CLAY; brow; 11% fine send; VERY STIFF TO HARD (IS.00 m) Sandy CLAY; brow; 11% fine send; VERY STIFF TO HARD (IS.00 m) Sandy CLAY; brow; 11% fine send; VERY STIFF TO HARD (IS.00 m) Sandy CLAY; brow; 11% fine send; CLAY; brow; 11% fine send; CLAY; brow; 11% fine send; VERY STIFF TO HARD (IS.00 m) Sandy CLAY; brow; 11% fine send; CLAY; b	98	8																		
11			V			Diasticity silty clay- traces of fin).																		T
12			Ý	1		arikina River Channel Imp. Proj. ank, Calumpang Marikina GROUND ELEW, in the 220 Dec. DESCRIPTION 4 0.50 (0000 ELEW, in the 220 Dec. DESCRIPTION GROUND ELEW, in the 220 Dec. DESCRIPTION 4 0.50 (0000 ELEW, in the MASURED: 230 PC COCONDUNCES: 101/07/1750 N, 0000000 DECTHOR WATER: 0.50 (017/07/1750 N, 00000000 DESCRIPTION Image: 0.50 (0000000000000000000000000000000000	00																		
13			V																					0.0	
14			V											$\left \right $											
15			V												30		58	32	2.60			100	99	97	8
18	SS-15	67	V			sand; 86% high plasticity clay	ie Vi							\backslash											Ī
17			V																						
18 -	33-17	49				-		2	3 25																
E		Ę				MENT CORPORATION									E	-								LE	L
-	1	П7	20	d Fl	loor	Prudential Bank Building,				OR:		M.	Ē	STAUR		_		Ŭ.	U O	IDS - L IR - CC	indis1 XRE S/	iurbi Mpli	ED SA		2

Figure 5-3-3 (149/221) BORING LOGS (PHASEI)

				_		-	IAL BOREHOLE LOG	-	-	6	DOLIND	EL CI					1				R: _F		L -		
				P			arikina River Channel Imp.	Pro	oj.	(MLLW = 2 STATION	lero I)atu		14.6 35()					D:		-	-	
	CAT			- 27			Bank, Butiki Park, Marikina DRILLED: 29 Dec 04 Jan.	20	-		VEATHE			F A		91.5	1		VIEAS		D:		00 P	M	E
on 	INO:			1			DRILLED , <u>25 BCC.</u> 04 Can.	В	.ow	s	DORDIN	ALE	5:	10	1		ATTER	RBERG	<u>, </u>	UNCO	NFINED	SIE	VE A		SI
DEPTH, m	SAMPLE NO	RECOVERY (%)	SAMPLE	LUG SYMBUL	CLASSIFICATION	RQD	DESCRIPTION	15	15 m	15	PENE	(8P) (N-VA)	on t T) .UE)	EST	NATURAL MOIST. CONTENT %	TOTAL UNIT WEIGHT, 400	OUDOLI S TIMIT	BLASTICITY INDEX, &	SPECIFIC GRAVITY		NIVERSIT	4	AS8IN 10	40	2
- 1	8 5-1		X		ML		Sandy SILT; grayish brown; 44% fine sand; 54% non-plastic silt; FIRM.	t	3	3					42				2.63			99	88	98	
- 2	SS-2	100	X	1				2	4	7					-										
- 3	6 5-3	100		1				10	7	7	\rangle				28		60	31	2.61			98	97	95	
	85-4 85-5		X	1				3	4	5															
- 5 - 6	55-5 SS-6		M	1	СН		Sitty CLAY; grayish brown to brown; 91-97% high plasticity silty clay; little amount of fine		9			A			27		59	34	2.60				100	99	-
-7	SS-7	100	X	1			sand; STIFF TO VERY STIFF.	9	8	10					-				-	-	-				-
8	<u> 55-0</u>	100	X	1					11	1					23		62	42	2.60				100	99	
9 - 10	SS-9 SS-10		X	1	4				9						20										
- 11	SS-11	100	X					12	12	11							-			-		-			
-12	SS-12	100	X					13	12	13		V			36		61	40	2.80			-	100	99	and the second se
-13 -	SS-1 3		X	1					15						-										
- 11 12 13 14 15 15	55-14 55-15		X	1	СН		Sandy CLAY; brown; 14% fine sand with little amount of coarse to medium sand; 82% high plasticity clay; HARD.	1	22						31		54	30	2.61			100	88	98	
-16	SS-16		X	1				19	23								-					_			
- 15 - 17 - 18 - 19	<u>\$\$-17</u>	100					End of Borehole (16.95 m)	21	27	23															
20				M/ 2nc	NA Fi	GE	MENT CORPORATION Prudential Bank Building,		ER			J. N M		R AC GOL STAUR AFUE	Á	_				NS - V JDS - 1 CR - C	PLIT SF JASH S JNDIS DRE S DROMI	Sampl Turð Ampl	LE ED S# E	MPL	

Figure 5-3-3 (150/221) BORING LOGS (PHASEI)

R	OJ	E	ст	: 1	a	siç	3-M	arikina River Channel Ir	np. I	Pro	Ŀ	(SRO MLU	UND N = .	ELEV Zero D	f. Iatum)) <u>+ '</u>	14.2	41					R:		. <u>20</u>		m. D
	CAT						-	ank, Dela Peña, Marik				\$	STA	NOI	NO.:		12 +	950						D: <u>1</u> . D:				2
				1	a	-		DRILLED: 15 - 18 Decen		20	01	-			ir: Iates		F A	IR 18,47	72 5	-				509,8		(Inclusion)		E
	NO:	-		1				DRILLED. TO TO DOCH		1	ow	1		(DII)		J	1.00	1		ATTER	BERG		UNCO	NFINED	SIE	VE AN		
טביוח, ה	SAMPLE NO.	RECOVERY (%	SAMPLE	LOG SYMBOL	CI ASSIFICATION		RoD	DESCRIPTION		15	5PT 15 cm	15		PEN	STAND TRATIC (SPT (N-VAL 0 30	ON TE:) UE)		NATURAL MOIS' CONTENT, %	TOTAL UNIT WEIGHT, glos		PLASTICITY INDEX, %	SPECIFIC GRAVITY	STRENGTH Kalom	NRAIN STRAIN	4	10	4D	
1	SS-1		X		M			Sandy SiLT; brown; 28% sand; 72% non-plastic a STIFF.	fine silt;									25				2.60					100	72
-2	55 -2	6	7			-	-			4	5	7						-	-									-
- 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9	SS-3		X					Silty SAND; grayish bro 16% sub-rounded gravel; 4 non-plastic silt; 30% fine satistics of coarse to med sand; MEDIUM DENSE.	and;	5	7	8						17				2.63			84	77	70	4
4	\$5-4 \$5-5		X					Silty SAND; gray; 15% s rounded gravel; 25% coa sand; 25% medium sand; 3 non-plastic silt; VERY LOO	arse 34%	4	2	2	1	/											-			
- 6	SS-6	6	7		9	M				2	1	2	$\left \right $					21	-	-	-	2.63	<u>-</u>	-	85	60	35	3
-7	S6-7	4								5	6	8		\mathbb{N}				-	-	-	-							
- 8	SS-8 SS-9							Silty SAND; gray; 21% r plastic silt; 41% medium sand; 26% fine sand with tra of coarse sand; little amoun gravel; MEDIUM DENSE.	fine aces nt of		4 8							20				2.6	3		95	88	47	
	SS-10	5	16 X							8	7	10	2					-			1					-		
- 11 -	SS-11 SS-12							Sandy CLAY; gray; 10%	fine	7	6			Y				39		54	34	2.6	0			100	96	B
-12 - -13	\$5-13		7	ł	C	H		sand; with little amoun medium sand; 86% plasticity clay; FIRM TO V STIFF.	high	7	7	1	D					_		-	-				-			
-14	SS-14		i6 39	Í	8	iM		Silty SAHD; gray; 19% non-plastic silt medium fine sand; 53% fine sand; tra coarse sand and gravel; MEDIUM DEN	ces of		8							22				2.6	13		96	89	77	
- -16 - -17								End of Borehole (15.00 m)																				
- 11 - 12 - 13 13 14 15 15 15 15 17 19 19 19																												
20				N 2	IAI nd	NA Fi	GE	ECHNOLOGY AND MENT CORPORATION Prudential Bank Building, Mabini St., Ermita, Manila	MA DF	RIFT	.EI	R:		 	R.	AN 1. ES	R AC	AS	_	LEG			WS - UDS CR -	SPLIT S WASH UNDIS CORE S	SAMP STURE SAMPI	'LE 3ED S. LE	AMPI	

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Figure 5-3-3 (151/221) BORING LOGS (PHASEI)

						FI	AL BOREHOLE LO	G	AN	D	-		1000			OF	TE	ST	1	-				AR	-	4()
RC) J I	EC	т:	P	asi	g-N	larikina River Channel In	np. I	Pro	j.	()	ALLV	V = Z	ELE\ ero C	latum) <u>+</u>	14.9	35_					R: D:1		20 ec. 1	200	п 0
.00	ATI	ON	1:			R. 1	Bank, Dela Peña, Mariki	na			S	TAT	ON	NO.:		13 +	220						D: <u></u>)0 P		×
ah N	ı∩•	BN	RL	-4(EDRILLED: 18 December		000				THE	R: ATES	ş.	FA 161	18,73	38.1	100	N	,		09,8	-			£
	-1								BL	OW8	3						T		ATTER	BERG			NFINED		VE AN		
	SAMPLE NO.	RECOVERY (%)			CLASSIFICATION	RaD	DESCRIPTION		15		15 cm	F	PENET	TAND/ [RATIC (SP1 N-VAL	ON TE)	ST	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, gloc	LIMIT, %	NDEX %	SPECIFIC GRAVITY	STRENGTH R		4	10		
_	() ;5-1	44	X	Π	UD ML		Sandy SILT; brown; 38% f sand; 62% non-plastic s FIRM.	ine ilt;	2	2	3	11			40	50	17		-		2.81					100	
1 5 -2 5 -3 5	55-2	56					Sandy CLAY; gray to gray	deb			2						-								4.00	99	Ī
	iS-3	67	X	1	CH		brown; 20% fine sand; 79% h plasticity clay; SOFT.	igh	2	1	1						45		60	42	2.61				100		
	55-4 13-5	44 78					Sandy SILT; gray; 24% f	ine	3	2	2											-	-				
- 6 \$	<u>3</u> 5-6	44	\mathbf{X}		ML		sand; 76% non-plastic silt; FI TO STIFF.	RM	5	5	5						39	-			2.60	-				100	
-7 8	58-7	56				-			4	4	5							1									
-	3 5- 8 35-9	67 67	X				Silty CLAY; dark gray; 97% f plasticity silty clay; with li amount of fine sand; SOFT	ittle	2	2	2						121		70	47	2.60					100	1
-	S-10				СН		STIFF.		5	4	5						-					-	-				
- - 11 5	55-11	78	X	/			Sandy CLAY; gray; 2 medium sand; 22% fine sa traces of coarse sand a	and;	6	3	5						-	-	-	-	1	-	-		-	-	
- 11 5 - -12 5	35-1 2	33	X	1			gravel; 52% high plasticity c FIRM TO VERY STIFF.		9	10	8		$\left \right\rangle$				29		75	56	2.5	2		92	84	64	
-13 5	58-13	22	A	1						10				\backslash													
-	58-14 58-15		A	4	SW	,	Gravelly SAND; gray; 26% a rounded gravel; 19% coa sand; 27% medium sand; 1 fine sand; 18% non-plastic	arse 10%		15							13				2.6	4		74	55	28	1
- 16	<u>55-16</u>	44	X				VERY STIFF TO HARD.		17	18	22										-			_		_	
-15 \$ 							End of Borehole (16.00 m)																				
20							FECHNOLOGY AND	MA	 C⊦		E:			AC	KE	RAC	E		LEG	END:		55 - 5	PLITS				
[:				2n	d F	loor	MENT CORPORATION Prudential Bank Building, Mabini St., Ermita, Manila	DR SU			10	OR				OYO STAU		_				UDS- CR-C	NASH UNDIS ORE S DROM	TURE	ED S E		

Figure 5-3-3 (152/221) BORING LOGS (PHASEI)

R	JI	EC	Т:	as	-	NAL BOREHOLE LO		-		1	DO	IND	EI C	1)_+			D	ертн	OF	VATE	R:	3	.00		_
					-	Manila Bay Side, Mkna Yo				S	TAT	ION	NO.		13 +	550						D: <u>2</u> D:) <u>ec.</u> 00 P		X
			-			E DRILLED: 19 - 20 Dece					_	THE RDIN		S:	F A 16		66.7		N			09,7	Unito			_
	_	(%)		1	-			BI	.ov	18						H.	8	LIM	BERG		COMP	FINED		VE AM		
	SAMPLE NO.	RECOVERY (LOG SYMBOL	CLASSIFICATION	Rad	DESCRIPTION		15	15 em	15 cm		PENE	(SP (N-VA)	ION TE		NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, g/tx	LIQUID LIMIT, %	PLASTICITY INDEX, %	SPECIFIC GRAVITY	STRENGTH kg/am ²	STRAIN	4	10	40	
1 8	35-1	67						1	2	2	1					32		55	32	2.61	_		98	97	95	
2	5 5-2	78	K	Сн		Sandy CLAY; brown; 20- fine sand; 68-80% high plas clay; SOFT.		2	2	2																
3 8	SS-3	67	P					2	1	1						34		63	42	2.61					100	
	55-4 65-5							1	5		/															
6	55-6	62	X V			Silty SAND; brown; medium sand; 31% fine s traces of gravel and co sand; MEDIUM DENSE.	and-	7	7	7						20				2.63			91	83	48	1
, ł	5 5-7	56						7	7	9						-	-				-		-			Contraction of the second seco
	SS-8	56		SN					7			1				-										
	SS-9		8:[Silty SAND; gray; 21% plastic silt; 30% medium and 48% fine sand; MEL	sand			15						23				2.83			99	89	69	
	55-10 55-11					DENSE To DENSE.		13	20	25					,			_								
2	55-12	33	X X			Gravelly SAND; gray; 7-	-16%	10	10	11			1			13	-			2.63	<u>s</u>		88	62	20)
13 8	55-13	56		SN	/	non-plastic silt; 12-23% rounded gravel; 21-26% cc sand; 24-42% medium sand; 13-16% fine s	sub- barse fine	11	9	10						-						-				
14	55-14	56	X:			MEDIUM DENSE TO DEI	NSE.	10	15	15							-		+			1				-
15	SS-15	44		•		End of Borehole		9	15	16					_	9	-	-		2.6:	3		77	58	32	2
11 12 5 113 5 114 5 115 <u>1</u> 115 <u>1</u> 116 117 118 119 200						(15.00 m)																				
20			M	AN	AG	TECHNOLOGY AND EMENT CORPORATION Prudential Bank Building,	MA DR								R AC	E	_	LEGI		1	NS - N	LIT SF IASH S JNDIS	AMP	LE		

Figure 5-3-3 (153/221) BORING LOGS (PHASEI)

PF	<u>(01</u>	E	ст	. F) ₂₅	-	NAL BOREHOLE L	-			6	BRO	UND	ELE	V.	-		-	-	T	-			-	_	L -	4	2
	CAT			-			lank, Youth Camp, Mar			Ŧ	1	STAT	ION	I NO		1:	3 + 8	50	_				SURE					<u> 0</u>
BH	NO:	B	MR	L-4:		1.1	E DRILLED: 21 - 23 Dece		20	00	-	_		ER: JATE	8.		F A I F 1619		8.2	1	ME I		URE	D: 609,6		00 F	M	. 6
ε	ġ	8		OL.	NOL	Γ				LOW	s						1	T		ATTER	RBERG	-	UNCO	NFINED	SIE	VE A		'8K
DEPTH, n	SAMPLE NO.	RECOVERY	SAMPLE	LOG SYMBOL	CLASSIFICATION	ROD	DESCRIPTION	I	15 cm		15 cm		PENE	(SF (N-VA	זיא די LUE	TEST	NATURAL MOR	CONTENT, %	VEICHT, QA	UQUID MIU %	PLASTICITY NDEX, *	SPECIFIC GRAVITY		-	4	10	40	T
- 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 7 - 8 9 10	\$5 -1	67	XX						1	1	1						6.1	91				2.62				100	98	
- 2 -	56- 2	78	X				Sandy CLAY; brown; 11- fine sand; 55-81% high plas	sticity	2	1	1								_									
- 3	SS-3		X		СН		clay; with little amoun medium fine sand; SOF FIRM.	nt of	1									36	_	57	35	2.81			100	99	98	
- 4	55-4 55-5	67	X						1	1	1																	
- 0	85-6	71	X						12	3	4							41		52	42	2.61			99	96	92	
 -7	8 \$-7	85	Ň						3	3	4																	
- 8	86-8	67	X				Silty SAND; gray; 44% plastic silt; 16% coarse a 40% fine sand; LOOSE.	non- sand;	3	2	4						-											-
- 9	65-9	78	X		SM				2	2	2						+	28				2.83			100	84	84	
			X						3	3		1																
- 11 - -12	SS-11 SS-12		X				Silty SAND; gray; 26% plastic silt; 12% sub-ang gravel; 13% coarse sand; medium sand; 18% fine s	gular 31% sand;		9								18				2.63			88	75	44	
-13	SS-13	33	Ň				MEDIUM DENSE TO DEN	ISE.	15	16	18				V			_										
-14	SS-14	27	X				Sandy GRAVEL; gray;	13%	14	16	18				1		-						-					-
-15	68- 15	40	X		CM		coarse; 22% medium sand; fine sand; with little amou non-plastic silt; 51% sub-an gravel; DENSE TO V	;11% Intof Igular	19	20	20				/		-	10			-	2.65	5		49	36	14	
-16	SS-16		M				Ďense.			20						\mathbb{N}	F	-	-			-	-					
- 11 - - 12 - - 13 - - 13 - - 13 - - 14 - - 15 - - 15 - - 15 - - 17 - - 17 - - 17 - - 17 - - 12 - - 12 - - 12 - - 12 - - 12 - - 12 - - 12 - - 12 - - 13 - - - 14 - - 15 - - 14 - - 15 - - 15 - - 15 - - 13 - - 14 - - 15 - - 15 - - 15 - - 15 - - 15 - - 15 - - 16 - - 17 - - 18 - - 17 - - 17 - - 17 - - 17 - - 18 - - 17 - - 17 - 17 - 17 -	<u>\$\$-17</u>	_67		LLL			End of Borehole (17.00 m)		21	30	35																	and the second s
20				M / 2n	AN/ d F	AGE Ioor	ECHNOLOGY AND MENT CORPORATION Prudential Bank Building, fabini St., Ermita, Manila	MA DR SU	ILL	ER). A					-			1	55 - SF NS - W JDS - U CR - CC	iash s JNDIS	iampi Turb	.E ED 6/	-	

Figure 5-3-3 (154/221) BORING LOGS (PHASEI)

	0.1	EC	т.				NAL BOREHOLE LOG		-	T						-	-	VATE	-	_	L - .50	4.	3 m
				-	'as i		larikina River Channel Imp.	PF	oj.		(MLLW = Zero Data STATION NO.:		12.9 + 115					SURE				200	
	CAT			_			Bank, Sto. Niño, Marikina	200			WEATHER:				1	_		URE			00 P	M	_
SH	1	-		1			E DRILLED: 05 - 06 January	1	_	C WS	OORDINATES:	16	19,59	1	ATTE	RBERG	<u> </u>	Lunco		SIE	VE AN		
DEPTH, m	SAMPLE NO.	RECOVERY (%)	SAMPLE		CLASSIFICATION	RaD	DESCRIPTION	15 crm		5 15		TEST	NATURAL MOIST. CONTENT, %	TOTAL UNIT WEIGHT, Brits	LIN GINDA MIN	RLASTICITY INDEX % NDEX	SPECIFIC GRAVITY	COMP. ZURENCEN	NWAILS M	% P	ASSIN 10	40	20
- 1	55-1		X		СН		Sandy CLAY; brown to grayish brown; high plasticity; 39% fine sand; STIFF.	4	4	6			39		57		2.6t				100	99	
- 2	SS-2	100	X		SM		Silty SAND; brown; 30% fine sand; 19% medium sand; 6% rounded to sub-rounded lithic gravels; medium to high	4	1:	2 12													
- 3	SS-3	100	X				plasticity; moderately graded; MEDIUM DENSE TO VERY DENSE.			28		\mathbf{X}	31		54	29	2,63			94	88	69	2
1 2 3 6 6 7 7 8 9	SS-4 CR-1			Ц	ST		Tuffaceous SANDSTONE; cream; very fine grained; broken; HARD.			3 111													
- 6	CR-2	30		7				c	QR	ING			-	_							_	-	-
-7	SS-5	75	X	1			Clayey Silty SAND; light brown to brown; well graded sand	18	1 2	28 2 10			-										
- 8	85 -6	77	X	1	SC		component; low to non-plasticity; with few sub-angular gravel particles; VERY DENSE.			25 5 9 24			38	-	54	27	2.62			96	86	69	4
- 9	SS-7			1	ST	0	Tuffaceous SANDSTONE; grayish cream; medium to very coarse grained; generally broken; HARD.																
	CR-3 55-8	30 75	X	1	SC		Clayey Silty SAND; light brown well graded; low to non-plasticity; VERY DENSE.			28													
- -12	CR-4	25				o		c	φF	ING				-		-							
	CR-5	55			ST	0	Tuffaceous SANDSTONE; grayish cream; highly weathered; medium to very coarse grained; layered;	c	ØF	ING			-	-		-	-	-					
-14	CR-6	36				17	poorly sorted; generally broken; HARD.	c	• •	ING			18	1.45				48.65	1.397				-
15	CR-7	41				15		C	ØF	<u>ang</u>			25	1.59				81.265	2.611				
-16	CR-8	53				0	End of Borehole	c	ØF	ING				-									T
-11 -12 -13 -14 -15 -17 -17 -18 18 							(16.00 m)																
	3			MA 2nc		GE oor	ECHNOLOGY AND MENT CORPORATION Prudential Bank Building, labini St., Ermita, Manila	ILL	J. MC	STAUF	RA		1		V U C	1 VS - VV IDS - U IR - CC V/ HYD	ASH S INDIST IRE SA	AMPL URBI	e Ed Sa	MPLI	E		

Figure 5-3-3 (155/221) BORING LOGS (PHASEI)

						FIN	AL BOREHOLE LOG	<u> </u>		-			-	OF	TE	ST					-	-	L -	44	-
R	OJI	EC	T:	P	asi	g-M	arikina River Channel Imp.	Pro) .	()		Zero (Datu	im) <u>+ '</u>	13.5	74				VATE				200	, m 1
0.	CAT	101	1:	_		R.	Bank, Sto. Niño, Marikina		_	1 -	TATION /EATHE		-	<u>14 +</u> FA						UREI)) A		
3H	NO:	BN	IRI	44	E D	ATE	DRILLED: 09 - 11 January	200	21	-	ORDIN		S: .		9,8	38.7	50	N		5	09,4	61.1	00	_	E
	ó	(%)		5	NOL				LOV (SP1				486		NST.	E 99	ATTER	IBERG		COMP	IFINED TEST		VE AN Assin		
	SAMPLE NO.	RECOVERY (%)	SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION	t5 em	15 cm		PENE	STANC (SP (N-VAI 0 30	ion " T) LUE)	TEST	NATURAL MC CONTENT.	TOTAL UNIT WEIGHT, gloc	רוסחום רואום, *	PLASTICITY INDEX, %	SPECIFIC GRAVITY	strength kg/cm²	STRAIN Z. %	4	10	40	2
1	SS-1		X		1		Sandy CLAY; brown to grayish brown; 12% sub-angular gravel; 10% fine sand; with little amount of coarse to medium sand; 71% high plasticity ctay; STIFF TO	3	5	7	l				28		55	27	2.61			88	86	81	
2	5 5-2	100	X				VERY STIFF.	8	6	9															t
3	85- 3	100	X	1						14		$\left \right $			29		52	28	2.64			77	66	56	t
4	\$5-4 \$5-5	89	X	1	СН					15		$\left \right\rangle$													
5	SS-6		M				Sandy CLAY; gray to brown; 5- 23% sub-angular to sub-rounded gravel; 4-11% coarse sand; 10 - 17% medium sand; 7-21% fine	9	7	9					28		58	31	2.61			95	91	81	
7	6 S-7	89	Ň	1			sand; 43-60% high plasticity clay; VERY STIFF TO HARD.		12	2 19			1		-		-	-		-	-				
8	SS-8	100	X					10	11	8 20			/		-				-			-			
9	33-9	100	X	1						4 10 22					22		56	31	2.6			87	78	61	-
10	58-10	52	X							8 8 25 5 10															
- 11	SS-11	10	X	Í			Silty SAND: brown to gravish			20 0 10					36				2.6	4		77	80	40	
12	SS-12		M		SM		brown; 23% sub-rounded to sub- angular gravel; 17% coarse sand; 20% medium sand and			21															
13	SS-13		Д				14% fine sand; 26% non-plastic silt; VERY DENSE.	20		20															A State of the sta
-14 -15	SS-15		M	0 0 0 0	aw		GRAVEL; brownish gray to gray; sub-angular gravel with little amount of coarse to fine sand with non-plastic silt; VERY DENSE.		2 3	15/5					2	,	-		2.0	6		19	13	9	
- 11 							End of Borehole (14.90 m)																		
20				M 2n	AN/ d F		MENT CORPORATION DI	NE: R: VIS	 OR: _	A	MC A. E	ANO DGOL ESTAUF	A	_	LEG			55 - 5 W5 - 1 UDS - CR - C W/ HY	VASH UNDIS ORE S	SAMP TURE	LE JED S. JE	MPL			

Figure 5-3-3 (156/221) BORING LOGS (PHASEI)

			_				NAL BOREHOLE LO		_		6	00	UNID	E) (N/					1				.R:	NR 2	_	4	5
PR	OJ	EC	; T:	F	as	ig-N	larikina River Channel In	np. I	Pro	<u>)</u> .	(VILL	N =	Zero	Dat		+ 1							.R: D: <u>_1</u>			200	_m /1
LO	CAT	101	۷:	_	_	R.	Bank, Sto. Niño, Marikii	na		_	0			I NO ER:	-		FAI							D:		30 F		
BH	NO:	BN	I R	L-4	5 [DATI	E DRILLED: 11 - 12 Janu	iary 3	200	1	C	00	RDI	IAT	ES;	_	162	0,2	58.7		_N			09,4	85.2	250	_	E
_	ö	(%)		d	NOI					LOW (SPT)								ist.	r å		RBERG IITS			NFINED		VE AN		
DEPTH , m	SAMPLE NO.	RECOVERY (SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION		15 cm		15 cm		PENI	(SI (N-V/	TION PT) ALUE	I TES'		NATURAL MOIST. CONTENT, %	TOTAL UNI WEIGHT, g	LINIT, %	PLASTICITY INDEX, #	SPECIFIC GRAVITY	STRENGTH kg/cm ²	M STRAIN	4	10	40	20
-	SS-1	100	X		SM		Silty SAND; brown; 25% non-plastic silt; angular gravel; 11% coarse sand; 37% fine s traces of medium sand; LOOSE.		2	2	3							22				2.64			83	72	63	14
- 2	SS-2		Х	· · · · · · · · · · · · · · · · · · ·	sw		Gravelly SAND; brown; 20% non-plastic sit; angular gravel; 16% coarse sand; 19% fine s traces of medium sand; MEDIJM DENSE		5	10	5	/						16				2.65			63	47	39	
- 3	85-3	100	X						2	2	2	(ĺ					46		87	36	2.60			100	99	98	g
- 4	SS-4	100					Silty CLAY; brown to brown gray; 96-99% high plasticity s	nish siltv	A	3	4							43		71	49	2.60			99	99	98	9
- 1 - 2 - 3 - 4 - 5	SS-5	100	X				day; SOFT TO FIRM.	,	3	4	3									-		-					-	
- 6	SS-8	100	, N	/					2	3	4							45		73	51	2.60				-	100	
-7	88-7	100	X		СН				3	3	3							-				-				-		
- 8	5S-8	100	X				Sandy CLAY; gray; 4-1 medium sand; 8-20% fine sa	0%		4		ļ						48		61						99		
- 9	85-9	100	X				little amount of coarse sa 75% high plasticity day; FI TO VERY STIFF.	and;		7								38		57	27	2.81			99	93	83	7
- 10 	SS-10		X							8	40																	
- 11 -	SS-11 SS-12		M				Gravelly SAND; gray; 4 angular to sub-rounded gra	ivel;		25	25				/	-		22				2.65	5		57	42	22	
-12 - -13	SS-13		X	:: :;:	SW		15% coarse sand; 20% medi sand; 10% fine sand; 12% n plastic silt; VERY DENSE.	non-		22																		
	SS-14		X		CH		Sandy CLAY; brown; 11% s angular to sub-rounded gra	vel;	16	23	27 10																	
15	SS-15	49	X				29% fine sand; 57% h plasticity clay; HARD.	nigh	20	28	22							28		45	25	2,6	r		89	87	86	ę
15 16 17 18 19 20							End of Borehole (14.96 m)																					
				М/ 2n	AN/ d F	AGE loor	ECHNOLOGY AND MENT CORPORATION Prudential Bank Building, Mabini St., Ermita, Manila	MA DRI SUI	ILL	ER.	t:	OR		1	MC vi. t	AN DG(EST/ LLAF		TE				1	WS-V JDS-I CR-C	PLIT SP VASH S UNDIS ORE S DROM	ampi Turb Ampli	.E ED 6/ E	MPL	.E

Figure 5-3-3 (157/221) BORING LOGS (PHASEI)

I																				S	HEE	T	1	OF		,
1					FIN	AL BOREHOLE LO	G	41	ID	5	SUI	MIN	IAR	Y	OF	TE	ST	R	ES	L				W -	• 1a	·
-	1.0	ECT	Г: F	-		arikina River Channel In		-		G	ROI	IND	FLEV		m)+			T		OF V		-		.22		m.
	CAT					n Floodgate, Bagong Iloc				S		ION	NO.:		00 + FA	150				MEAS						L
						DRILLED:13 - 17 Marc							IATES	S: _		1018	34.7	1		I,		071				E
Γ	o	(%)	SOL	TION					.OW			5	STANDA	ARD	i.	SIST.	100		RBERG			TEST		VE AN		
	SAMPLE NO	RECOVERY (SAMPLE	LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION			15 cm	15 cm		PENE	(N-VAL)	DN T) UE)	TEST	NATURAL M	TOTAL UNIT WEIGHT. g/cc	LIMIT, %	PLASTICITY INDEX, %	SPECIFIC GRAVITY	STRENGTH kg/cm ²	STRAIN Æ, %	4	10	40	200
1	SS-1	89		сн		Sandy CLAY; dark gray; 2 fine sand; 72% high plasticity of VERY SOFT.			0							37		62	40	2.61				100	98	72
2 3	SS-2 SS-3	100 78		SP		Fine To Medium SAND; dark gray; coarse sand; 35% medium sand; fine sand; VERY LOOSE.	10% 52%	1	1	<u>1</u> <u>1</u>						38				2.63			99	89	54	2
4	SS-4	78		sc		Clayey SAND; gray; 40% plasticity clay; 54% fine sand little amount of coarse to med sand. VERY LOOSE.	with	1	1	1						-	-	-			-					
• 5	SS-5	89	1/1	-		SAND; gray; 13% medium sand;		1	2	2						44	-	56	35	2.63		-	100	98	94	40
• 6	SS-6	78		SP		fine sand with little amount of co sand and gravel, LOOSE. Gravelly SAND; brownish gray; 70%		2	3	5						28	-	_		2.63			95	90	77	1
•	SS-7	78		sw		graded sand w/ little amount of non-p sit; 25% gravel; MEDIUM DENSE.	lastic	5	14	14		/				33				2.64			75	54	30	5
- 8		78						10	10	12	-					22				2.63			96	83	. 49	1
. 9	SS-9	78	у У					5	8	8		$ \langle$				-		-	-							-
- - 10 -	SS-10	78						11	13	18						-	-									
- 11	SS-11	56	X					11	12	13						12		-	-	2.63			95	73	21	1
-12	SS-12	56				Medium to coarse SAND;	~ .	11	11	10						-		-				-		-	<u> </u>	-
- -13 -	SS-13	78				to brownish gray; 12-30% co sand; 34-52% medium sand; 48% fine sand; with little amou gravel and non plastic silt. MED	; 20- int of	7	9	9						-	-			-	-					-
-14	SS-14	89	X · .	SP		DENSE to DENSE.		6	6	7						21			-	2.63			97	85	46	5
-15 -	SS-15	67						8	9	9						-	-							-		-
-16	SS-16	56	X : :					8	8	10							+-	-	-			-		\square		\vdash
-	SS-17							5		7	-					16	5		-	2.63			95	65	26	5
-18	SS-18	78						6	6	8											-	-	1	+	-	\vdash
-19	SS-19	67	X	sw		Gravelly SAND; grayish brown to brown		6	9	10						-		-	+		+	-	-	-	-	+
2	SS-20	67		1		angular to sub angular gravel; 73% graded sand; MEDIUM DENSE.		-	11	-			1			23			END:	2.64	<u> </u>		74	55	22	1
	•		M	AN	AGE	ECHNOLOGY AND MENT CORPORATION	MA DR								R ACI		_			V	SS - SI WS - V UDS - I	VASH	SAMP	LE		F
		1117				Prudential Bank Building, Iabini St., Ermita, Manila	-	-	-		-	<u>1</u> :	M. VI	LL	AFU	RT			*	C	UDS - CR - C W/ HYI	ORE S	AMPL	E		-
1						Figure 5-3-3 (158/2	221)	B	O	RIJ	NG	L)GS	(PHAS	SEI))									

																				S	HEE	т	2	OF	2	
1.				FII	NAL BOREHOLE LO	G	AM	٩D	5	SUN	MM	AF	۲Y	0	F .	ΓE	ST	R	ESI	ULI	гs	1	N R	w.	. 1	b
101	ECT	r: 1	Pasi	ig-N	larikina River Channel I	mp. I	Pro	oj.	(ROL	VND V = Z	ELE ero l	V. Datu	m) _	+ 1	0.97	75					R:				m.
CAT	ION		Nap	inda	an Floodgate, Bagong Ilo	g, Pa	asig			STAT			:		0 + FAI							D: <u>1</u> D:				-
NO:	BM	RW-		DAT	E DRILLED:13 - 17 Mar	ch 20			С	OOF			S: _		161		4.75		N			071				E
0 2	۲ (%) E	BOL	ATION					LOW (SPT				TANE				AOIST.	p/cc	LIM		일논	COMP			VE AN		
SAMPLE NO	RECOVERY (LOG SYMBOL	CLASSIFICATION	RQD	DESCRIPTION			15 cm			20 20	(SP	T) LUE)			NATURAL MOIS CONTENT, 9	TOTAL UNIT WEIGHT, g/∞	LIMIT, %	PLASTICITY INDEX, %	SPECIFIC GRAVITY	STRENGTH kg/cm ²	STRAIN Z , %	4	10	40	200
SS-21			sw		Gravelly SAND, gravishbrown lobrown angular gravel, 16% coarse sand; 44% me sand; 28% fine sand with very little amo non-plastic silt; DENSE.	edium		15								27				2.63			90	74	30	2
00.22					END OF BOREHOLE (22.00 m)																					
1 23.5	100																									
-	100																									
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•			IAN	AGE	TECHNOLOGY AND EMENT CORPORATION										IFE		-		X			PLIT SI VASH S			PLE	
-	Ш7	2	nd F	Floor	Prudential Bank Building, Mabini St., Ermita, Manila									UE	RTE	-		*	L C	UDS - I CR - C	UNDIS ORE S	TURB	ED S.		E	
					Figure 5-3-3 (15	9/22	1)	B	OR	IN	G L	00	GS	(P	HA	SEI	[)									

																				5	HEE	T	1	OF		2
				FIN	NAL BOREHOLE LO	DG .	٩A	١D) 5	SU	MN	ΙA	RY	0	F	TE	ST	R	ES	-						
101	EC	T: 1	Construction of the local division of the lo	and the second	larikina River Channel I		-	-	G	RO	UND	EL	EV.		+ 1		-	T	-		-	R:	and the state	STATE OF COMPANY	the second res	. m.
CAT		_			Bagong Ilog, Pasig City				S	TAT				0	0 + FAI	450		1				D: <u>1</u> D:				<u> </u>
INO:	BM	RW-	2 [DATE	E DRILLED: 09 - 12 Mar	ch 20	01				RDIN		ES:			024	6.7	1		I,		6075				E
lo	(%)	GL	TION					LOW				STAN	IDARI			SIST.	F 8	ATTER	RBERG			NFINED		EVE AN		
SAMPLE NO.	RECOVERY (%)	LOG SYME	CLASSIFICATION	RQD	DESCRIPTION			15 cm			PENE	ETRA (S (N-V	tion Pt) Alue	TES1	r 0	NATURAL MC CONTENT,	TOTAL UNI WEIGHT, 9	LIMIT, %	PLASTICITY INDEX, %	SPECIFIC GRAVITY	STRENGTH kg/cm ²	STRAIN Z , %	4	10	40	200
\$S-1	100		сн		Sandy CLAY; dark gray; fine sand; 74% high plasticity VERY SOFT.	25% clay.	1	1	0							50		56	37	2.61				100	99	74
SS-2	100						1	1	1																	-
SS-3	100		sw		Silty Gravelly SAND; 13% plastic silt;18% sub-angular g 20% coarse sand; 16% me sand; 33% fine sand, LOOS	ravel; dium	1	2	1							55				2.64			82	62	46	13
SS-4	100		-		Sandy CLAY; dark brownish 27% fine sand; 72% high pla	gray;	1	3	4							-									<u> </u>	-
SS-5	100				clay; FIRM.		2									59		65	42	2,61			100	99	99	72
SS-6	100		сн		Silty CLAY; dark brownish contains little amount of me	gray;	3	5	4							-										-
SS-7	100				sand; 94% plastic silty clay; S to FIRM.	STIFF	1	2	3							79		83	62	2.60			99	98	95	94
SS-8	89	XD:	1	-			5	4	3	ſ	1															-
SS-9	78	X °0,			Sandy GRAVEL; gray;			25	35			-	/ /	\geq		5				2.66			20	13	6	1
SS-10	44	YQ.	GW		angular to sub-angular grave traces of coarse to fine san	d and	15	10	11			1										-				-
SS-11	89				shell fragments; VERY DEN MEDIUM DENSE.	5E 10	5	5	5		1															
SS-12	100	<u>у</u>		-			6	8	5		1/									<u> </u>						-
SS-13	89	∧ X			4		6	6	7							_7				2.63			97	45	8	1
SS-14	89						5	5	7																	
SS-15	89					440/	8	7	6																	
SS-16	89		SP		Gravelly SAND;light brown; 3 sub-angular gravel and grave shell fragments; 52-62% co sand; 25-37% medium sand	el size barse	6	5	6													-				-
SS-17	89	X			traces of fine sand; MEI DENSE.		4	5	5							7				2.63			89	27	2	1
SS-18	100	X					8	7	6		$\left \right $															
SS-19	89						10	9	9		$ \rangle$															
SS-20	80																									
		B	ASI	СТ	ECHNOLOGY AND	MAG						ACH			CE		T	LEGE	ND:	L	L	L	L			
:	Ĺц	M. 2n	AN/	AGE loor	MENT CORPORATION Prudential Bank Building, labini St., Ermita, Manila	DRI SUF	LL	ER	R: _	DR		J, N	A	DER	A	RTE	-			N U C	VS-W DS-U R-CC	LIT SP ASH S INDIST DRE S/ ROME	ampl Turbi Ampl	.E ED SA E	MPLE	£
			and the same of		Figure 5-3-3 (16	0/221)	BC)R	IN	GΙ	0	TS	(P	HA	SEI)									a de la companya de l

<u>E 5 90</u>