BANGLADESH WATER DEVELOPMENT BOARD GROUNDWATER HYDROLOGY DIVISION-2

72 GREEN ROAD, DHAKA-1205.

	FIELD B	ORE LOG		
Project: Rehabilitation of polder satkhira O&M division.	r no 15 at satkhira district unde	r SITE: Gabura kh	al	
Satkinia Galvi division.		P.S: Shyamnaga	r	DIST: Satkhira
LOCATION: Gabura khal		HOLE NO: H1-H	5	GROUND LEVEL:
CLIENT: XEN,O&M DIVISION, Sa	tkhira	WATER LEVEL:		AT 7:00 HRS
DATE STARTED: 17-06-2022	DATE COMPLETED:21-06-22	OF DATE-		A1 7.00 HK3
DRILLED BY: GWHD-2	UNIT: Rig-21	TOTAL DEPTH: 7	72 ft	
		MPLING		
A) UNDISTURB	3011.37	MAIL FIIAQ		
SAMPLE NOS:	DIMENSIONS:		NO TAKEN	
TYPE:	DRILLER: Md. Abu Ja	her		T: Md.Maniruzzaman Bhuiyan
111111111111111111111111111111111111111	DIVILLENT, IVIG. ADG 36	iner	JOLOLOGIS	1. Mu.iviailii uzzailiaii bilulyaii
B) DISTURB			, ,	
SAMPLE NOS: D1-D14	DIMENSIONS: 1 3/4	ID X 24 Inch	NO TAKEN	: 14 Nos
TYPE: Split Spoon	WEIGHT OF HAMME		AVG. DRO	
HOW SAMPLED: WOODEN/BOX		DESPATCHE		
	CAS	SING		
SIZE:	LENGTH USED:	WT OF HAM	MER:	AVG. DROP:
		100000000000000000000000000000000000000		, vo. bilot :
REM	ARKS		LOCA	TION SKETCH
Drilling was advanced by	Chonning method			♠ N
ি প্রতিত্তিক । ' 2 বি চিপ্র (মোঃ জাবিদয় হোতেন উপ-বিভাগীয় প্রকৌপনী (জারার্ড শ্যায়নগর প ্রভাগ-বিভাগ বাপাউবো, " গ্রান্ত্রপন্ম, সাতশী রা		H2 H3	Road Khal	existing sluice
			Not dr	rawn to scale

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

							FII	ELD	BOF	REL	.OG													
Proj	ect:	Reh	nabilitation of polder no 15	at sa	atkhi	ra di	stric	t unc	ler S	ITE:	Gab	ura	khal											
satk	hira	80	M division.						P	.S: S	hyar	nna	gar				1	DIS	Γ: 5	Sat	khi	ra		
LOC	ATI(:NC	Gabura khal						F	OLE	NO	: H1					(GRO	ΟŪ	ND	LE	VEI	L: 2	2.75 m
CLIE	WATER LEVEL: .30 m AT 7:00 HRS													-IRS										
DAT	E S7	ΓAR [*]			MPL	ETE		OF DATE- TOTAL DEPTH: 72 ft																
DRII		BY	: GWHD-2 UNI	T: Rig	g-21 HYS	ICA		DIS	TUR					2.11	PEI	VET	R	ΑΤΙ	0	NT	ES	T	I	INDEX
No of Sample	f Sample	Scale (ft)	LITHOLOGICAL	DENSITY	COLOR	MOISTURE	DILATANCY	BL	OW:	SON	J	BLO O CAS	WS N	NO		OF E						FT	Ш	Disturb Undisturb
No of	Type of	Sca	DESCRIPTION	DEN	100	MOIS	DILAT	/ /	6/1/12/	2/1 18/	/	0/12	/	10	20	30	40	20	09	70	80	90	TOO	REMARKS
																							=	N.P=Non-plastic
	5															=		=					=	v.soft=very soft
D1								0	1	1	1													
	10								1		1					-		+				\dashv		
D2				Very soft				1	1	1	1													
	15			/ery				1	1	1	1												Ξ	
D3			Clay with trace silt		Gray					1	_					\exists								
D4	20				ū			1	1	1	1													
D4							Plastic																	
D5	25						P	1	1	1	1	_		\vdash										
	-			#															=					0.
D6	30			Soft				1	1	2	3			E						E			H	MALANA
	35	E			1												_							মনিরুজ্জামান ভূর
D7						MOIST		3	5	5	7			E			_					Ca		ভতত্তবিদ
	40		Clay with some silt	Stiff		2								E								91	16	স্থু পানি বিজ্ঞান উপ-বি <mark>চা</mark> ণ বাপাউবো, যশোর।
D8			3.0,	S				1	4	6	7			F							E			
	45	E																			+	=	H	
DS)			-	-		-	3	4	7	8			E	E							E	E	
	50	E							-	10	12		+	+	-							\pm		
D1	0				gray			4	5	10	12		-	F	F					F	F		F	
	55	5 =		Se	dark gr				6	10	12		+	E	\pm	\pm			E		E	E	E	1
D1	1		Very fine sand little	Den	da		astic	4	0	10	17		-	+	+	-		+	+	+	+	+	F	1
D1	60		silt,trace clay	Medium Dense			Non-plastic	- 5	7	11	13	-	-	-	F					-	F	F	F	3
D1	=			/ledi			No		<u> </u>					+	+						-		E	1
D1	- 65 3	5 -		2				6	7	13	14		\top	F	F	F	F	-	F	-	+	+	+	‡
Ë	-													E	=		E			F	-	F	F	<u> </u>
D1	- 7(4)	7					7	9	14					\pm	\pm		\pm		1	\pm		1	1
			Note: >50%	=Don	ninant	size,	50%	-50%=	and, 2	0%-4	0%=s	ome	, 10%	6-20	%=l	ittle	, <1	L0%	=tra	ace.		(7	

17-06-21

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG

	habilitation of polder no	o 15	at s	atkh	ira d	istri	ct un	der S	_	: Gal	_	kha										
atkhira O8	RM division.							Ī	P.S:	Shya	amna	agar				DIS	ST:	Sat	tkh	ira		
OCATION:	Gabura khal							1	HOLE NO: H2 GROUND LEVEL: 2.20 m											.: 2.20 m		
	N,O&M DIVISION, Satkl							_	WATER LEVEL: .45 m AT 7:00 HRS													
		DATE			ETE	D:18	3-06-2	_	OF DATE- TOTAL DEPTH: 72 ft													
	': GWHD-2	UNIT	-	HYS	100		DIS	STUR				DEN	CTC	ν Τ Λ Ο	10	NI T	TEC	_	INDEV			
ple nple		-		1113			-		_		BLO							_			annin.	
No of Sample ype of Sample Scale (ft)	LITHOLOGICAL DESCRIPTION	.	DENSITY	COLOR	MOISTURE	DILATANCY		SPO	ΟN	,	O SAS	N IŅG	IN			TRATION TEST INDEX BLOWS PER 1 FT NETRATION Undisturb						
No o Type	-		DEI	00	MOI	DILA	0/6	6/12/	18	18 24	//	12/24	10	20		REMARKS						
								_						+	+		_			+		
5														\mp								
1							1	1	1	1				+							soft stif gran stic	
10				Very soft																	/ery lium itish i-pla i-pla	
2 —	2000		soft				1	1	1	1				+	+					\pm	T.= \ Med Wh Non	
15	Clay with trace silt		ery s																		. Sof S.=. G.= P.=.	
)3			Ve				1	1	1	1											> 5 8 5 8	
20						. <u>.</u>								+	+					+		
)4						Plastic	1	1	1	1				=								
25						"		\dashv						\mp	+					-		
)5 —							1	1	1	1												
30														\Rightarrow	+						da da	
06 —				Gray			1	4	6	8				+	+	-					21/09/2022	
35	Clay with some silt		Stiff												=						Call	মনিকজামান ভূ
07	Clay With Some Silt		St		Moist		2	4	6	7			H	\dashv	+	F				359 (4	হুত্ব পানি বিজ্ঞান উপ-বি	
40					2															_	ৰাপাউবো, যশোর।	
8 —							1	6	8	9				_	+	-				\Rightarrow		
45	the lives																			\pm		
9 —	silt, little clay						3	5	9	10		-			+					\rightarrow		
											_			\dashv	+					\mp		
50							4	6	10	12												
			ISe			()	$\dot{\Box}$		10						+					\Rightarrow	=	
55 <u> </u>			Medium Dense			Non-plastic	5	6	10	13												
] Very fine sand with tra	200			J-pl	5	0	10	12					F								
60	silt	ace	ledi	Mediu		Nor	7		11	12				=	+	-		=			=	
12	3		2				7	9	11	13							E				3	
65				ay				4.5	-						+						=	
13	6			dark gray			8	10	13	15										\vdash	=	
70				dar												E		E	E		3	
014	1						8	12	14	16 0%=sc						\pm						

18-06-22

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG

			habilitation of polder n	o 15	at s	atkh	ira d	Contract of the	and the owner, the own	der S	Name and Address of the Owner, where	CHICAGO INC.	COLUMN TWO	kha	ıl																	
atk	hira	a 08	kM division.							Ī	P.S:	Shya	amna	agar					OIS	T: S	atk	hir	a									
														HOLE NO: H3 GROUND LEVEL: 2.78 m																		
			N,O&M DIVISION, Satk								WATER LEVEL: 1.25 m AT 7:00 HRS												HRS									
	_			DATE			_	D:19	9-06-	_	OF DATE- TOTAL DEPTH: 72 ft																					
וואכ		T	: GWND-2	UNIT		-	SICA	1	DI	_	URBED SAMPLES PENETRATION TEST INDEX													INDEX								
No of Sample	of Sample	Scale (ft)	LITHOLOGICAL DESCRIPTION		DENSITY	COLOR	MOISTURE	DILATANCY	ВІ	LOW SPO	S O		BLO O CAS	WS N		0 0)F E	BLC)W	S P	ER	1		Disturb								
Noo	Type of	SC	DESCRIPTION		DEN	00	MOIS	DILAT		6/1/12/	18	/	0/	12/	10	20	30	40	20	9 2	000	200	100	REMARKS								
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01	5				Ţ.	Gray			1	1	1	1		_					+	\pm	+	\pm	\pm	t ray ic ic								
71	3000				Very soft	G							1	1									+	+	+	+	V. S.= Very soft M.S.=Medium stiff W.G.= Whitish gray N.P.=Non-plastic S.P.=Semi-plastic					
D2	10				Very						1	1	1	1	_			\exists					+		+	Ver lediu Whiti Von-p						
	15		Clay with trace silt									_						+			+	+	+	S.=N S.=N G.= V A.=N P.=S								
D3	12	F									1	1	1	2					1	+	1	1	Ŧ	+		. N N N N						
	20																+	1														
D4	20				Soft	dark gray		U	1	1	2	2				=	+	+	+	+	+	+	+									
	25				So	lark		Plastic										1		-	+		\mp									
D5						0		P	1	1	2	3					\pm			\pm	\pm	+	\pm									
_	30										_		-				+	+	+	+	+	+	+	da								
D6			Clay with Little silt		stiff				1	2	4	6							1		+			भारत्यामान ज								
	35				Medium stiff		TS													+		+	+	+	CIT	ভত্তবেনি:						
D7				_	ledi		MOIST		1	2	3	3					+		1	\pm	+	+	2 11	ঠন্থ পানি বিজ্ঞান ওপ-বি বাপাউবো, যশোর।								
	40	E			2		_																			-					\mp	
D8			Clay with some silt	:					1	2	6	7					+	+		+	+	+	\pm									
D0	45				Stiff												7	1	7	7	Ŧ	7	\mp									
D9	2002			\dashv				_	3	5	9	9								\pm	+											
010	50					>			5	7	9	11					+	+	+	+	+	+	+	-								
710						Gray			5		9	11					=		1	\mp	\pm		\pm									
011	55				ıse			()	6	8	10	12					\pm				\pm		\pm									
	66		Very fine sand with tr	ace	Der			astic		0	10	14						-	+	+	-	+	+									
012	60		silt		Medium Dense			Non-plastic	7	8	11	13							1		#	\pm	\pm									
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013	65		a		_				7	9	13	15									+	-	1									
																	#	+		+	#	#	\pm									
D14	70								8	12	14	16					\exists	1	\exists		-	-	F	-								
			Note: >5	0%=D	omir	nant s	size, 5	0%-5	0%=a		_		ome,	10%-	20%	=litt	le, <	:109	%=t	race				0-								

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG

							THE RESERVE	CONTRACTOR OF THE PARTY OF		E LO	-													
		habilitation of polder n	no 15	at s	atkh	ira d	istri	ct und	der SI	TE: Ga	bura	kha	1											
atkhira	a 08	kM division.							P.	S: Shy	amn	agar				D	IST	Sa	tkh	ira				
OCATI	ON:	Gabura khal							Н	OLE N	O: H	1				G	GROUND LEVEL: 2.86 m							
CLIENT:	: XEI	N,O&M DIVISION, Satk	hira						W	ATER	LEVE	L: .4	2 m	า		А	AT 7:00 HRS							
		TED: 20-06-2022	-				D:20)-06-2	_	OF DATE- TOTAL DEPTH: 72 ft														
		': GWHD-2	UNI	THE RESERVE THE		-				-			_											
le ple			-	F	PHYS	SICA	L	-	TURB			. ES DWS	_	-	VET	_	_		_		INDEX			
No of Sample ype of Sample	e (ft)	LITHOLOGICAL	L	LΙ	JR.	MOISTURE	DILATANCY		.OWS SPOO		0	N	N)F B PEN					. FT	Disturb Undisturb			
o of S	Scale	DESCRIPTION		DENSITY	COLOR	DIST	ATA			/ 18/	CAS	ING 112/	Н	Т	_	7	Т	Т						
No o Type				D		MC	DIF	/	12/1		1/	/	10	20	8	5 5	09	70	80	90	REMARKS			
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= 5									=	+					\mp	+	+	F		+				
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)2								1	1 :	. 2														
15		Clay with trace silt	t	oft						+					_	+	+			_	-			
03				Very soft			U	1	1 :	. 2					+	+	+	+		#				
= 20				Vel	Gray		Plastic			+					+	\mp	\pm							
)4							Ы	1	1 :	2	\vdash				#	+	+							
25																								
05								1	1 :	1	\vdash				+	+	+	+						
30															\pm	\pm]			
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25		Clay with some silt	t	£		١.												\pm	\pm					
35				Soft		MOIST							1	1 :	2 3	\vdash	\vdash			\mp	Ŧ	F		E
				Se		ž									+	+	+	+		\mp	dense			
40				Loose				1	2	7 9											X/a			
			Ì		gray					-	-				+	+	+	+			यमिक्षायान इ			
45					dark			3	6 9) 11	-				\pm		\pm			COL	ভত্তবিদ			
					da					111					\pm	+	+			- Park	ত্ব পানি বিজ্ঞান ওপ- বি বাপাউবো, যশোর।			
50 10								4	6 8	3 10						+					1 110011, 10 114 1			
		Very fine sand with tr		se			astic	4	0 0	3 10				\exists	\pm	\pm					3			
55 11		silt	ace	Medium dense			Non-plastic	7	0 1	1 12					\mp	+	+	+						
T T		Site		E			Nor	7	9 1	1 13											3			
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65	E																	E			-			
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70	E									-						\pm		-						
14	-		- 1					10	12 1	4 16			H	H	-	+	+	+	F		-			

GROUNDWATER HYDROLOGY

GROUNDWATER HYDROLOGY DIVISION-2

FIELD BORE LOG

_									BO	CONTRACTOR DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED I		-					_		_	_	_						
			nabilitation of polder no	15 at	satkh	nira c	listri	ct un	ider	SITE	: Ga	oura	kha	I													
satk	thira	a 08	kM division.							P.S:	Shya	amna	agar					DIS	ST:	Sat	tkh	ira					
100	ATI	ON:	Gabura khal						-	HOL	E NO): H5	5				-	GR	OL	JNI) LI	EVE	L:	2.86 m			
			N,O&M DIVISION, Satkh	ira						WA				ubn	ner	geo	1	AT		_	7:0	_	_	HRS			
_				DATE C	ОМР	LETE	D:21	L-06-		OF E																	
DRI	LLEI	D BY	: GWHD-2	JNIT: R	ig-21	L				TOT	AL D	EPT	H: 7	2 ft													
-	l a				PHY	SICA	\L	DI	STU	RBED	SA	MPL	ES		PE	NE	TR	AT	10	N.	TES	Т	T	INDEX			
No of Sample	of Sample	Scale (ft)	LITHOLOGICAL	YTIS	OR	TURE	ANCY	В	LOW SPO		N	0)WS N ING	N	0 (OF PE		OV TR				. FT	Г	Disturb Undisturb			
No of	Type o	Sca	DESCRIPTION	DENSITY	COLOR	MOISTURE	DILATANCY	0/6,	6/	/	18/ /24	0/	12/	10	20	30	40	50	09	70	80	06	100	REMARKS			
																	=						=				
	5																										
D1								1	1	1	1																
	10																_						\exists				
D2								1	1	1	1						_		_				\exists				
	15			丰																							
D3			Clay with trace silt	Very soft			Plastic	1	1	1	2			F									=				
			<u>.</u>	Ver			l l																				
D4	20							1	1	1	2																
	Toronto																						H				
D5	25							1	1	1	1												Н				
03											_												H	de			
DC	30							1	1	1	2			F					_				H	85/00/20V2	L		
D6				- a	-		_	1	1	1	2											_G	21	ও মনিকজামান ভূ ভূতত্ত্বনিং	2		
	35			V.loose	3	ist																7	221	ৰ্ভন্থ পানি বিজ্ঞান ওপ-নি	18		
D7			Silt with little clay	>	Gray	Moist		1	1	2	3													বাপাউবো, যশোর।			
	40			Loose																							
D8					4			1	3	5	7	_	-	F									H				
	45																						В				
D9								2	4	7	9												Н				
	50		Very fine sand with Lit	tle			tic																H				
D10			silt trace clay				Non-plastic	4	8	8	12			F			E				E		H		-		
	55			Dense			J-hc							E	E	E		E					H				
D11				De			ž	5	8	10	12			-						-			H				
	-	E		Medium												F	F						H				
D12	60			/led				6	10	12	14	14		E	E	E		E									
	-		ш						10					+	=			=		+			Ħ				
D13	65		Very fine sand with si	ilt				8	10	12	15		1								E		Ħ				
DIS	-							0	10	17	13			E	E	E	E			E							
	70								1.5	4 :	-			+									H				
D14	1		1	- 1			1	8	12	14	16	1	1	-	+	+	-	+	-	+	+	-	\vdash		1		

Note: >50%=Dominant size, 50%-50%=and, 20%-40%=some, 10%-20%=little, <10%=trace.