

SWG Form 267(C) 28 Jan 1965

PROJECT: Galkonio i Mariani.

LOCATION: and Channel

BORING NO. 357-70

TEST DATA SUMMARY

DATE DRILLED 16 DOC 65

	DEPTH	CHASSIFICATION REFYATION FOR SORING		SYMBOL	CONSISTENCY	POCKET (1) PENSTROMETER	STAN, PENET. BLOWS/FT(2)	MOISTURE CONTENT %	III.		P. L.	BAR L.S.	SIEVE ANALYCIS							
FIELD NO.									DENSITY c. f.	7.7.			PERCENT		J.A.	ACC. WT. RI SIEVE NO.			ND. (3)	
									DRY P.				GRVL	SAND	FINES		, ZC	020		
ξZ,	0-27 2420 2527/2	3	****	SM.	v.5	0.0		30,0	75			2.0	0	72	2.8	1.2	Ċ	2	0	36
ユツ	2021/12 275306 2023	Stean 1. 11 - 12 - 22 - 23 - 24 Carrier - 12 - 12 - 13 - 23 - 23 - 23 - 23 - 23			1/3 1/5	00		550 69.1	69			11.0	0	5 <u>4</u> 18	16 82	50 50	<u>ت</u>	<u>Q</u> _	0	27
	302.374	1972 - San San Gerald I. B. K. Grand Classes Sand		50	i • ·	0.25 0.50		442	74-			10.0	1					ن	ð	27
7.5 1.4	375-128 402-42	Gray Clary Sond Gray Stacy Clay 3723 - 5 108		CH L.	5.	0,50 0,25 0,30	1	47.6 55.3 400	7/											
147 148 149	12-475 475-002 508525			·	M	2 35 12 52	·	45,9 59.0 66,9	75 54 54			18,0	0	3.2.	68	Ī	, N		0	16
Ú0	508525			·	ابر <u>ر</u> 	750		56.0	66									ļ		
angan padipa		Tras + 215							ļ							:	<u> </u> 	1		
							<u> </u>			-									-	
											-	-								
		Control of the contro		1			-				<u> </u>									

BURING NO.357-70

3ST-70 Hole No. INSTALLATION DRILLING LOG Galv Dist, Eng Div OF SHEETS <u>Southwestern</u> 10. SIZE AND TYPE OF BIT Galveston Harbor and Channel 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) 2. 10CATION (Coordinates or Station) Galveston, Texas 12. MANUFACTURER'S DESIGNATION OF DRILL 3. DRILLING AGENCY U. S. Army Corps of Engineers

4. HOLE NO. (As shown on drawing title and file number) DISTURBED 13. TOTAL NO. OF OVERBURDEN 10 Cont SAMPLES TAKEN 3ST-70 14. TOTAL NUMBER CORE BOXES NAME OF DRILLER CUTTIS 15. ELEVATION GROUND WATER 6. DIRECTION OF HOLE 16 Dec 1965 16. DATE HOLE 16 Dec _ DEG. FROM YERT. VERTICAL INCLINED. 17. ELEVATION TOP OF HOLE 7. THICKNESS OF OVERBURDEN 18, TOTAL CORE RECOVERY FOR BORING % 8. DEPTH DRILLED INTO ROCK 19. SIGNATURE OF INSPECTOR 52.5 9. TOTAL DEPTH OF HOLE % CORE RECOV-ERY REMARKS BOX OR SAMPLE NO. CLASSIFICATION OF MATERIALS (Description) (Drilling time, water loss, depth of weathering, etc., if significant) ELEVATION DEPTH LEGEND 0.0 24.0-Water 0.0 Cont. 1 Gray sandy clay, v/soft 26.5 24.0 Same as above, no recovery 26.5 27.5 2 0.0 Cont. 27.5 30.0-Gray sandy clay, v/soft 3 0.0 Cont. Gray sandy clay, v/soft 32.5 30.0 Same as above, no recovery 32.5 35.0 Cont. 0.0 Gray sandy clay, v/soft 37.5-35.0 0.0 Cont. Gray sandy clay, v/soft 37.5 40.0 6 0.0 Cont. 40.0 42.5-Gray sandy clay, v/soft 7 0.0 42.5 45.0-Gray sandy clay, v/soft Cont. 0.0 Gray sandy clay, v/soft Cont. 8 45.0 47.5 50.0-Cont. 9 0.25 47.5 Gray sandy clay, soft 0.75 52.5 Gray clay, w/sand pockets, med Cont. 10 50.0 BOTTOMED Tide $\neq 2.5$ HOLE NO.

3ST-73 3ST-76 3ST-75 3ST-74 3ST-78 3ST-77 3ST-79 3ST-82 3ST-8I 3ST-80 ------- W.S. ₩.S. ₩.S. ₩.S. w.s. w.s. ₩.5. ------ W.S. ₩.5. 76-54,69,SdCl,VSo,Gy 38,CISISd,VSo,Gy ₹. Z. 38.SISd.Gv 46-73,CISd,VSo,Gy -20 46,CISd,VSo,Gy -20 z Z 45-74,SdCl,VSo-Med,Gy 43-79.CISISd.So.Gv SC-SM -131-36,Ci,VSo,BnGy EVATIONS 30-92.SdS1,So,Gy H - 165,CI,VSo.BnGy 52-68,CI,W/ShFraq,Med,BnCy 153,CI,VSo,Gy 50-70,45,CISd,W/ShFrag,So,BnGy CH - 158,CI,VSo,BnGy 48-75.Cl.W\ColcNod.VSo.BnGy 38-78,Cl,So,BnGy -- 109,C1,VSo,BnGy CH - 154,CI,VSo,8nGy CH - 65,Ct,Med,BnGy CH 195,Cl,VSo,BnCy CH-190,Cl,VSo,BnGy 72-56,Cl,W/ShFrog,Med,BnCy 岀 H - 38-84,CI,S-VS,Gy -- 29-91,61,VS,Gy&8m - 37-85.Cl.S-VS.BnGy 35-88,CI,VS,Gÿ - 31-93,CI,VS,BnGy CH _ 3I-90,CI,W/Calchod,VS,Gy - 31-92,Cl,V5,BnGy CH - 36-87,CLVS,BnGy 36-85,CI,S-VS,Cy CH _ 36-87,CI,VS,BnCy _=_,19=109,Cl.H.Gy. CL - 20-108,CI,W/CalcNod,VS,Gy CL - 24-101, Cl. VS, Gy 23-100,SdCI,vS,Bn CL - 26-95,43,Cl,S,Gy 3ST-64 3ST-66 3ST-65 3ST-67 3ST-70 3ST-69 3ST-68 3ST-72 3ST-71 ₩,5, <u>₩.</u>5. ₩.S, ₩.S. ₩.S. ------ w.s. ₩.S. 34,SISd,W/ShFrag,Gy CL - 59-62,41,5dCl,VSo,Gy ĭ. ∑. Σ 126-37,C1,VSo,Gy 90,SdCl,VSo,Gy 106,SdCl,,VSo,Gy 34,SISd,VL,Gy 4I,CISISd,Gy FEET, 47-75,5dCl,W/ShFrag,So,Gy 40,CISd,So,Gy 40,SISd,VSo,Gy 3i,SISd,D,Gy 42-78.CISISd.VSo-50.Gv 49-73,CISd,W/Asph&ShFrag,VSo-S,Gy 78.CLVSq.Gv 55,CISd,VSo,Gy Z Z 24,SISd,VSo~WadD,Gy 42,CISISd,W/ShFreq,VSo-So,Gy 39,CISISd,W\ShFraq,MedD,G VATIONS ELEVATIONS 69-60,SdCI,VSo,Gy 67-59,50,SdCl,,VSo,Gy 74,Cl,W/SdSms,VSo,Gy 36-84,CI,W/ShFrag,So,Gy 44,CISd,So,Gy - 27,SISd,W/ShFrag,MedD,Gy -147-34,CI,VSo,BnGy 50-72,Cl,W/ShLy,S.Gy 29,SISd,MedD,Cy 52~70.5I-2I.SdCl.So.Gv 39,5ISd,6y - 62-64.CLW/ShFrag.Med.Gy 42-77,Cl,W/SdPoc&ShFrag,S-St,Gy S5-69,SdCl,So-Med,Gy - 39-83,Cl,5-VS,BnGy 45-77,44,Cl,Med,Gy 8LSdCLVSo.Gv 29-9I,CI,VS,Bn SP- 24,SISd,MedD,Gy CH - 36-85,CLWZSh,S,GY 39-80,Cl,W/ShFraq,Med,Gy CH. -42-80,Cl,V5.Gy - 32-88.CLSo-St.Gv 29-93,34,CI,W/CalcNod,Med,Bn 26-98,CISI,W/Calchod,Med-5,Gy CH 39.CI,W/LimMod,Med,Gy 55,CISd,VSo,Gy --22-102,Cl,5,Gy 24-102,CI,VS,Gy VISUAL CLASSIFICATIONS NOTES: LABORATORY CLASSIFICATION 1. SOILS HAVE BEEN CLASSIFIED IN ACCORDANCE WITH Bn Brown(ish) Med Medium CH INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS. MILITARY STANDARD 619B "UNIFIED SOIL CLASSIFICATION NOTE: BORINGS DRILLED DECEMBER 1965 Cold Coldeneous S Stiff CL INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, LEAN CLAYS, LOCATIONS OF BORINGS SHOWN ON PLATE FD-38 SYSTEM FOR ROADS, AIRFIELDS, EMBANKMENTS AND Sa Sand(y) Cl Clay(ey) ML MORGANIC SILTS AND VERY FINE SANDS, WITH SLIGHT PLASTICITY. SC CLAYEY SANDS, SAND-CLAY MIXTURES. FOUNDATIONS. CONSISTENCY OF SOILS SUCH AS SOFT, Sh Shell(y) D Dense MEDIUM, HARD, LOOSE, DENSE, ETC., ARE RELATIVE Frag Fragment(s) St Silty SM SILTY SANDS, SAND-SILT MIXTURES, SP POORLY GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES. TERMS BASED ON ESTIMATED UNDISTURBED SHEAR STRENGTH Gy Gray(Ish) Sa Soft OF THE MATERIAL AS DETERMINED BY VISUAL CLASSIFICATION V Yery HOUSTON-GALVESTON NAVIGATION CHANNELS, TEXAS POCKET PENETROMETER TESTS AND PENETRATION RESISTANCE L Leose w with DURING SAMPLING. Nod Nodules W.S. Water Surface 2. FIGURES TO THE RIGHT OF BORING LOGS ARE WATER CONTENTS GALVESTON CHANNEL IN PERCENT OF THE DRY WEIGHT, DRY DENSITY, LIQUID HIMIT, PLASTIC LIMIT, AND BAR LINEAR SHRINKAGE. BORING LOGS (MC-UDW),(LL-PL),(B.L.S.) FIGURES TO THE LEFT OF BORING LOGS ARE BLOWS PER FOOT OF PENETRATION FROM STANDARD PENETRATION TESTING. 3. BORINGS WERE DRILLED USING WET ROTARY DRILLING TECHNIQUES U.S. ARMY ENGINEER DISTRICT, GALVESTON, TEXAS AND UNDISTURBED SAMPLES WHERE RECOVERED WITH A 3-INCH DIAMETER THIN WALL SAMPLER WHERE COHESIVE MATERIALS WERE ENCOUNTERED. WHERE TO ACCOMPANY ENGINEERING SUPPLEMENT TO LIMITED REEVALUATION REPORT COHESIONLESS MATERIALS WERE ENCOUNTERED, DISTURBED SAMPLES WERE TAKEN WITH A SPLIT SPOON SAMPLER DURING PERFORMANCE OF STANDARD DATED: X PENETRATION TESTING.