

BORING LOG	DISTRICT	INSTALLATION	SHEET OF 1 SHEETS
1. PROJECT Galveston Channel and Pelican Island PA		7. ELEVATION OF HOLE	
2. LOCATION (Coordinates or Station) N=13692779 E=3304716		8. DATUM FOR ELEVATION	
3. DRILLING AGENCY Dempsey (Geotest Engineering, Inc.)		9. ELEVATION OF GROUNDWATER ▽ TOD: ▽ 24-HR:	
4. LABORATORY TESTING AGENCY Tolunay-Wong Engineers, Inc.		10. DRILLING DATE and TIME STARTED: COMPLETED:	
5. DEPTH OF WATER ▽ TOD: ▽ 24-HR:		11. CLASSIFICATION REFERENCE	
6. DEPTH OF HOLE 20 ft		12. ENGINEER	

[illegible]

SUMMARY OF LABORATORY TESTS

Project No. 08.18.918

Client: United States Army Corps of Engineers

Project: Galveston Channel and Pelican Island PA

Contract No. DACW64-03-D-0008, Task Order No. 0077

Boring No.	Sample No.	Depth (ft)	Soil Description	USCS	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plast. Index	Finer than #200 Sieve (%)	Lab Vane (tsf)	Uc/UU. Compr. (tsf)	Failure Strain (%)	Conf. Pres. (psi)	Failure Type
	1	0-2	Gray and tan FAT CLAY	CH	51.8	68.7									
	2	2-4	Gray and tan FAT CLAY	CH	43.0	74.7	85	24	61	93.4		0.65	3.4		Multiple shear
	3	4-6	Gray and tan FAT CLAY with SAND	CH	42.6	79.4									
	4	6-8	Gray and tan FAT CLAY with SAND	CH	44.2	75.9	67	22	45	84.7		0.53	4.9		45 degree
	5	8-10	Gray and tan FAT CLAY	CH	36.6	82.1									
	6	10-12	Gray and tan FAT CLAY	CH	39.9	75.8									
	7	12-14	Gray FAT CLAY	CH	44.5	71.9						0.45	3.8		45 degree
	8	14-16	Gray and tan FAT CLAY; sand pockets	CH	45.4	69.9	78	24	54	88.3		0.44	5.5		Multiple shear
	9	16-18	Gray and tan FAT CLAY	CH	38.5	84.2									
	10	18-20	Tan and light gray FAT CLAY; calcareous nodules	CH	31.7	84.0	74	23	51	97.8		1.14	11.5		Multiple shear
	11	20-22	Tan and light gray FAT CLAY	CH	34.7	83.1									
	12	22-24	Dark gray FAT CLAY	CH	64.1	62.3									
	13	24-26	Gray FAT CLAY	CH	51.3	66.5	71	22	49	99.0					Multiple shear
	14	26-28	Tan and gray FAT CLAY	CH	57.1	64.9									
	15	28-30	Gray and tan FAT CLAY	CH	59.4	61.6									
	16	30-32	Gray FAT CLAY	CH	61.8	59.6	90	25	65	91.0		0.33	4.3		60 degree
	17	32-34	Gray FAT CLAY; sand pockets	CH	25.2	96.1									
	18	34-35.5	Gray SILTY SAND	SM						26.6					
	19	36-38	Gray FAT CLAY; sand pockets	CH	56.3	61.7									
	20	38-40	Gray FAT CLAY	CH	44.0	74.9	56	20	36	85.3					Bulge
	21	40-42	Gray FAT CLAY; sand pockets	CH	42.7	77.4									
	22	42-43.5	Gray POORLY GRADED SAND with SILT	SP-SM						11.1					
	23	46-48	Gray and tan FAT CLAY; shell fragments	CH	21.8	103.2									
	24	48-50	Light gray and tan SANDY LEAN CLAY	CL	19.9	108.8									
07-183															
	1	0-1	Gray FAT CLAY	CH											
	2	1-2	Gray FAT CLAY; organics	CH	93.8		110	28	82	99.5					
	3	2-3	Gray and tan FAT CLAY	CH											
	4	3-4	Gray FAT CLAY	CH	60.6		86	24	62	97.9					
	5	4-5	Gray and tan FAT CLAY	CH											
	6	5-6	Gray and tan FAT CLAY	CH	77.1										
07-184															
	1	0-2	Gray FAT CLAY	CH	41.6	79.5									
	2	2-4	Gray and tan FAT CLAY with SAND	CH	39.5	76.7	90	25	65	73.7		0.38	4.7		45 degree
	3	4-6	Gray and tan FAT CLAY	CH	75.5	51.3									
	4	6-8	Gray FAT CLAY; organics	CH	66.0	56.9	108	28	80	98.0		0.29	8.2		45 degree
	5	8-10	Gray FAT CLAY	CH	78.9	56.5									

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Client: United States Army Corps of Engineers

Project: Galveston Channel and Pelican Island PA

Contract No. DACW64-03-D-0008, Task Order No. 0077

Boring No.	Sample No.	Depth (ft)	Soil Description	USCS	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plast. Index	Finer than #200 Sieve (%)	Lab Vane (tsf)	Uc/UU. Compr. (tsf)	Failure Strain (%)	Conf. Pres. (psi)	Failure Type
	6	10-12	Gray FAT CLAY	CH	64.1	60.6									
	7	12-14	Tan and gray FAT CLAY	CH	48.3	69.5	79	24	55	92.8		0.36	3.4		45 degree
	8	14-16	Gray FAT CLAY	CH	63.6	65.0									
	9	16-18	Tan and gray FAT CLAY	CH	59.1	64.5	94	24	70	98.6		0.41	2.0		Slickensided
	10	18-20	Gray and tan FAT CLAY	CH	50.0										
07-185															
	1	0-1	Gray FAT CLAY	CH											
	2	1-2	Gray and tan FAT CLAY	CH	70.1		101	27	74	95.9					
	3	2-3	Gray FAT CLAY	CH											
	4	3-4	Tan and gray FAT CLAY	CH	77.9										
	5	4-5	Tan and gray FAT CLAY	CH											
	6	5-6	Tan and gray FAT CLAY	CH	65.8		94	26	68	99.1					
07-186															
	1	0-1	Tan and gray FAT CLAY	CH											
	2	1-2	Gray and tan FAT CLAY	CH	66.1		70	22	48	96.3					
	3	2-3	Gray and tan FAT CLAY	CH											
	4	3-4	Tan and light gray CLAYEY SAND	SC	33.8		43	18	25	43.3					
	5	4-5	Tan and gray FAT CLAY	CH											
	6	5-6	Gray and tan FAT CLAY	CH	70.1										
07-187															
	1	0-2	Gray and tan FAT CLAY	CH	43.7	73.8									
	2	2-4	Tan and gray FAT CLAY	CH	35.7	82.2									
	3	4-6	Gray FAT CLAY	CH	43.9	75.7	80	24	56	95.1		0.66	4.3		45 degree
	4	6-8	Gray and tan FAT CLAY	CH	44.4	75.0									
	5	8-10	Gray and tan FAT CLAY	CH	52.1	66.3	93	25	68	87.7		0.49	2.2		Slickensided
	6	10-12	Tan and light gray FAT CLAY	CH	36.3	81.2									
	7	12-14	Tan and light gray FAT CLAY	CH	33.9	84.8									
	8	14-16	Gray and tan FAT CLAY with SAND	CH	19.3	95.4	58	20	38	74.2		0.81	4.5		45 degree
	9	16-18	Gray and tan FAT CLAY with SAND	CH	18.4	109.6									
	10	18-20	Tan and light gray FAT CLAY	CH	35.4	87.3	64	21	43	92.0		0.84	8.1		Multiple shear
	11	20-22	Tan and light gray FAT CLAY; calcareous nodules	CH	31.5	88.6									
	12	22-24	Gray and tan FAT CLAY	CH	46.2	69.4									
	13	24-26	Dark gray and tan FAT CLAY	CH	54.5	66.7	107	28	79	98.7		0.89	2.2		Slickensided
	14	26-27.5	Gray and tan SANDY LEAN CLAY	CL	39.9										
	15	27-29.5	Gray and tan SILTY SAND	SM						40.9					
	16	32-34	Gray SILTY SAND	SM						29.9					
	17	34-36	Gray CLAYEY SAND	SC	29.6		27	15	12	46.5					

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