A000 1786

LMNCD-CS (6 Nov 79)
SUBJECT: Lake Pontchartrain, LA and Vicinity, Citrus Lakefront Floodwall, Pile Tests at Site No. 2, Lincoln Beach, Contract No. DACW29-79-C-0286

TO: C/Engineering Div FROM: C/Construction Div DATE: 19 Dec 79 CMT4
Mr. Newton/kac/2928 zm

1. Reference is made to DF, dated 9 Nov 79, subject: Lake Pontchartrain, LA and Vicinity, Citrus Lakefront Floodwall, Pile Test at Site 1, N.O. Airport, Contract No. DACW29-79-C-0286, Incl. 1.

2. Forwarded is Area Engineer's response to your comments regarding pile load tests at Site No. 2.

3. As requested by the referenced DF, the retest of pile at Site No. 1 was completed on 4 Dec 79, and the equipment calibration and test data ~~is~~ are inclosed (Inclosures 2-4).

HULL

4 Incl
as

DISPOSITION FORM

For use of this form, see AR 340-15, the proponent agency is TAGCEN.

REFERENCE OR OFFICE SYMBOL	SUBJECT
LMNED-FS	Lake Pontchartrain, La. and Vicinity, Citrus Lakefront Floodwall, Pile Tests at Site #2, Lincoln Beach Contract # DACW 29-79-L-0286

TO	FROM	DATE	CMT 1
C/Const Div	C/Engr Div	6 Nov 1979 Mr. Lanza/jmf/1033 RL JR	

1. The results of the subject pile tests which were hand carried to us by the Area Office have been reviewed.

2. The following comments are furnished:

a. For the tension test a holding period of 2 hours was not performed on the 5 and 10 ton increments.

b. There is no record as to what the load cell readings were in both the compression and tension test.

c. For both tests a calibration graph for the 150 ton jack was not furnished. This graph should designate gauge pressure on the jack versus load in tons.

d. A calibration curve for the unloading cycle was not developed.

e. On the load settlement page the pile type is shown as a 14" square precast concrete pile. It should read 12" square precast concrete pile.

3. Based on the capacities demonstrated in the compression and tension pile tests of the 12"x12" prestressed, precast concrete piles, the design elevation should remain as specified in the plans, that is, -53.0 M.S.L.

CHATRY

PICCIOLA
LMNED-F

JUDLIN
LMNED-D

☆ U.S.GPO:1976-0-765-037/15

LMNCD-CS (6 Nov 79)
SUBJECT: Lake Pontchartrain, La. and Vicinity, Citrus Lakefront Floodwall, Pile Tests at Site #2, Lincoln Beach, Contract No. DACW29-79-C-0286

TO Area Engineer
New Orleans AO

FROM C/Construction Div

DATE 21 Nov 79 CMT 2
Mr. Newton/pgy/2928

1. Reference is made to pile loading tests at Test Site No. 2 of the subject contract.

2. As stated in CMT 1, there appears to be some irregularities in the test procedures and test results furnished and reviewed by Engineering Division.

3. Request you review Site No. 2 test procedures and test data and furnish your reply in response to comments of CMT 1.

HULL

LMNNO (6 Nov 79)

TO C/Const Div

FROM A/E, New Orleans

DATE 11 Dec 79 CMT 3
Mr. Purdum/dab/255-7100

1. In response to your CMT 2 dated 21 Nov 79 the following action was taken.

2. On 29 Nov 79 a meeting was held in the government field office at the job-site with the following in attendance:

Ward Purdum	NOAO
Earl Klar	NOAO
Cleveland Chautin	Atlas Const. Co.
Harvey Zammit	Atlas Const. Co.
Frank Tusa	Shilstone Testing Labs
Bob Lanza	F & M Branch COE

2. Representative from Atlas and Shilstone were informed of the discrepancies in the test reports and some required items that were omitted in the first two reports. Some of the problems discussed were the holding periods of loads after applying a load or reducing the load, keeping a record of load cell readings vs. jack gage readings, proof reading the reports to correct what appeared to be glaring typing errors, and holding the applied load until a gross settlement of 1 inch is achieved. Mr. Tusa stated that these items would be corrected and future reports would include all required items as discussed this date. All parties agreed that these items were pertinent to the test results and should be included in future reports.

DUCARPE

DISPOSITION FORM

For use of this form, see AR 340-15, the proponent agency is TAGCEN.

REFERENCE OR OFFICE SYMBOL
LMNED-FS

SUBJECT
Lake Pontchartrain, La & Vicinity, Citrus Lakefront Floodwall, Pile Test at Site #1, N.O. Airport, Contract No. DACW29-79-L-0286

TO C/Const Div

FROM C/Engr Div

DATE 9 Nov 79 CMT 1
Mr. Lanza/jn/1033
JR for

1. The results of the subject pile compression test (pile tip -35 m.s.l.) which were hand-carried to us by the Area Office have been reviewed.

2. The loading procedure performed in subject test was not in accordance with paragraph 6.4.2 of the specifications. The loading and deloading time intervals were shortened considerably as the pile was loaded to 60 tons. Also, due to pump failure, there was difficulty in maintaining load increments. Based on these discrepancies, the test is considered invalid.

3. It is therefore the opinion of this office that the subject pile test be redone according to paragraph 6.5. of the specifications.

CHATRY

PICCIOLA
LMNED-F

JUDLIN
LMNED-D

LMNCD-CS
TO: Area Engineer
New Orleans AO

FROM: C/Construction Div

DATE: 21 Nov 79 CMT2
Mr. Newton/kac/2928

Forwarded for action is Engineering Division's comments regarding recently completed pile loading test on the subject contract.

HULL

Incl 1

DA FORM 1 FEB 62 2496 REPLACES DD FORM 96, WHICH IS OBSOLETE.

PJ-C-0286

SHILSTONE ENGINEERING TESTING LABORATORY, INC.

			X			
ATLANTA, GEORGIA ZIP CODE 30306 600 VIRGINIA AVE., N.E. PHONE (404) 872-0795	BATON ROUGE, LA. ZIP CODE 70802 1068 NEOSHO ST. PHONE (504) 387-3149	MONROE, LA ZIP CODE 71201 315 N. SECOND ST. PHONE (318) 387-2327	NEW ORLEANS, LA ZIP CODE 70112 814 CONTI ST. PHONE (504) 524-8395	BEAUMONT, TEXAS ZIP CODE 77701 2276 PARK ST. PHONE (713) 838-1694	FREEPORT, TEXAS ZIP CODE 77541 415 NORTH AVENUE F PHONE (713) 233-6366	HOUSTON, TEXAS ZIP CODE 77007 1714 MEMORIAL DR. PHONE (713) 224-2047

TESTED FOR: Atlas Construction Co., Inc.
P. O. Box 10
Kenner, La. 70063

PROJECT: ✓ CITRUS LAKEFRONT FLOODWALL
N. O. AIRPORT AND LINCOLN BEACH
NEW ORLEANS, LA.
TEST PILE PROGRAM

DATE: November 30, 1979

OUR REPORT NO.: 76-9188

REMARKS:

This is to certify that on November 30, 1979 two (2) Model 656-3041, three (3) inch travel Starret Dial Micrometers were calibrated against a Kraut Kramer Model D Standard thickness step wedge and found to be true to 0.01 inches.

SHILSTONE ENGINEERING
TESTING LABORATORY, INC.

Frank A. Tusa

Frank A. Tusa
Branch Manager
Construction Service

INCL 2

SHILSTONE ENGINEERING TESTING LABORATORY, INC.

ATLANTA, GEORGIA	BATON ROUGE, LA.	MONROE, LA	X NEW ORLEANS, LA	BEAUMONT, TEXAS	FREEPORT, TEXAS	HOUSTON, TEXAS
ZIP CODE 30306	ZIP CODE 70802	ZIP CODE 71201	ZIP CODE 70112	ZIP CODE 77701	ZIP CODE 77541	ZIP CODE 77007
600 VIRGINIA AVE., N.E.	1068 NEOSHO ST.	315 N. SECOND ST.	814 CONTI ST.	2276 PARK ST.	415 NORTH AVENUE F	1714 MEMORIAL DR.
PHONE (404) 872-0795	PHONE (504) 387-3149	PHONE (318) 387-2327	PHONE (504) 524-8395	PHONE (713) 838-1694	PHONE (713) 233-6366	PHONE (713) 224-2047

TESTED FOR: Atlas Construction Co., Inc.
P. O. Box 10
Kenner, La. 70063

PROJECT: CITRUS LAKEFRONT FLOODWALL
N. O. AIRPORT AND LINCOLN BEACH
NEW ORLEANS, LA.
TEST PILE PROGRAM

DATE November 30, 1979

OUR REPORT NO.: 76-9188

STRAIN INDICATOR CALIBRATION

REMARKS:

LOAD IN TONS	TESTING MACHINE IN POUNDS	STRAIN INDICATOR
5	10,000	12.32
10	20,000	18.80
15	30,000	25.10
20	40,000	31.02
25	50,000	37.70
30	60,000	44.00
35	70,000	50.80
40	80,000	57.20
45	90,000	63.64
50	100,000	69.80
55	110,000	76.06
60	120,000	82.35
65	130,000	88.40
70	140,000	95.40
75	150,000	101.72
80	160,000	108.00
85	170,000	114.18
90	180,000	120.02
95	190,000	126.68
100	200,000	132.85
105	210,000	138.42
110	220,000	145.24
115	230,000	151.30
120	240,000	158.14
125	250,000	163.93
130	260,000	170.00
135	270,000	176.42
140	280,000	182.30
145	290,000	188.46
150	300,000	194.54

Frank A. Jones

SHILSTONE ENGINEERING TESTING LABORATORY, INC.

			X			
ATLANTA, GEORGIA ZIP CODE 30306 600 VIRGINIA AVE., N.E. PHONE (404) 872-0795	BATON ROUGE, LA. ZIP CODE 70802 1068 NEOSHO ST. PHONE (504) 387-3149	MONROE, LA ZIP CODE 71201 315 N. SECOND ST. PHONE (318) 387-2327	NEW ORLEANS, LA ZIP CODE 70112 814 CONTI ST. PHONE (504) 524-8395	BEAUMONT, TEXAS ZIP CODE 77701 2276 PARK ST. PHONE (713) 838-1694	FREEPORT, TEXAS ZIP CODE 77541 415 NORTH AVENUE F PHONE (713) 233-6366	HOUSTON, TEXAS ZIP CODE 77007 1714 MEMORIAL DR. PHONE (713) 224-2047

TESTED FOR: Atlas Const. Co., Inc.
P. O. Box 10
Kenner, La. 70063

PROJECT: CITRUS LAKEFRONT FLOODWALL
N.O. AIRPORT AND LINCOLN BEACH
NEW ORLEANS, LA.
TEST PILE PROGRAM

DATE: November 30, 1979

OUR REPORT NO.: 76-9188

150 TON JACK CALIBRATION

REMARKS:

LOAD IN TONS	TESTING MACHINE IN POUNDS	GAUGE PRESSURE (PSI)
5	10,000	353.7
10	20,000	707.5
15	30,000	1061.2
20	40,000	1414.9
25	50,000	1768.6
30	60,000	2122.4
35	70,000	2476.1
40	80,000	2829.9
45	90,000	3183.6
50	100,000	3537.3
55	110,000	3891.1
60	120,000	4244.8
65	130,000	4598.5
70	140,000	4952.2
75	150,000	5306.0
80	160,000	5659.7
85	170,000	6013.4
90	180,000	6367.2
95	190,000	6720.9
100	200,000	7074.6
105	210,000	7428.4
110	220,000	7782.1
115	230,000	8135.8
120	240,000	8489.6
125	250,000	8843.3
130	260,000	9197.0
135	270,000	9550.8
140	280,000	9904.5
145	290,000	10258.2
150	300,000	10611.9

Frank A. Iuso

PROJECT: [illegible] TEST: Compression

PILE NO. TP 1-2 PILE TYPE: 12" Square Precast Concrete JACK: 150 Ton hydraulic

Date	Load Cell	Load tons	Time	Elapsed Time	Extensometers No. 4	No. 6	Mean	Settlement 10⁻⁴ in	Remarks
2-3-79	0	0	0905	0	3.000	3.000	3.000		79-C-0286
	1880	10	0910	5	2.994	2.985	2.990	0.010	
			0912	2	2.994	2.985	2.990	0.010	
			0918	8	2.994	2.985	2.990	0.010	
			0925	15	2.994	2.985	2.990	0.010	
			0940	30	2.993	2.985	2.990	0.010	
			1010	60	2.993	2.984	2.989	0.011	TRAIN PASSING
			1110	120	2.992	[illegible]	[illegible]	[illegible]	1027
	3102	20	1115	5	[illegible]	[illegible]	[illegible]	[illegible]	
			1117	2	2.980	2.971	[illegible]	[illegible]	
			1123	8	2.981	2.971	[illegible]	[illegible]	
			1130	15	2.971	2.971	[illegible]	[illegible]	
			1145	30	2.980	2.970	[illegible]	[illegible]	
			1215	60	2.979	2.969	[illegible]	[illegible]	
			1315	120	2.976	2.969	[illegible]	[illegible]	
	1880	10	1320	5	2.985	2.980	[illegible]	[illegible]	TRAIN PASSING
			1340	20	2.986	2.980	[illegible]	[illegible]	[illegible]
	0	0	1345	5	[illegible]	[illegible]	[illegible]	[illegible]	TRAIN [illegible]
			1405	20	[illegible]	2.998	2.996	0.004	TRAIN PASSING [illegible]
	3102	20	1415	10	2.978	2.970	2.974	0.026	
			1435	20	2.976	2.968	2.972	0.028	
	4400	30	1440	5	2.962	2.954	2.958	0.042	
			1442	2	2.962	2.954	[illegible]	0.042	TRAIN PASSING [illegible]
			1448	8	2.962	2.951	2.957	[illegible]	TRAIN PASSING [illegible]
			1455	15	2.964	2.950	2.957	[illegible]	
			1510	30	2.965	2.950	2.958	0.042	
			1540	60	2.969	2.952	2.961	0.039	TRAIN PASSING 1550
			1640	120	2.968	2.945	2.952	[illegible]	
	5720	40	1645	5	2.952	[illegible]	[illegible]	[illegible]	
			1647	2	2.952	2.931	2.942	[illegible]	
			1653	8	2.951	2.931	2.941	[illegible]	
			1700	15	2.950	[illegible]	2.940	[illegible]	
			1715	30	2.951	[illegible]	2.941	0.059	
			1745	60	[illegible]	2.930	2.941	0.059	
			1845	120	2.952	2.931	2.942	0.058	
	4400	30	1850	5	2.962	2.939	2.951	0.049	TRAIN PASSING 1710
			1910	20	[illegible]	[illegible]	2.951	0.049	
	3102	20	1915	5	2.973	2.953	2.963	0.037	
			1935	20	2.974	2.954	2.964	0.036	
		0	1945	10	2.998	2.990	2.994	0.006	
			2005	20	2.995	2.990	2.994	0.006	
	3102	20	2015	10	2.989	2.965	2.977	0.023	
			2035	20	2.979	2.965	2.972	0.028	
	5720	40	2045	10	2.949	[illegible]	2.942	0.058	
			2105	20	2.949	2.931	2.940	0.060	
	6950	50	2110	5	2.935	2.916	2.925	0.075	
			2112	2	2.933	2.915	2.924	0.076	
			2118	8	2.932	2.914	2.923	0.077	
			2125	15	2.932	2.914	2.923	0.077	
			2140	30	2.932	[illegible]	2.923	0.077	
			2210	60	2.930	2.912	2.921	0.079	TRAIN PASSING 2202
			2310	120	2.931	2.911	2.921	0.079	TRAIN PASSING 2310
	5235	60	2315	5	2.913	2.892	2.903	0.097	
			2317	2	2.912	2.892	2.902	0.098	
			2323	8	2.911	2.891	2.901	0.099	
			2330	15	2.910	[illegible]	2.900	0.100	
			2345	30	2.909	[illegible]	2.899	0.101	
2-4-79			0015	60	2.909	[illegible]	2.899	0.101	
			0115	120	[illegible]	[illegible]	2.897	0.103	
	6950	50	0120	5	2.912	2.896	2.904	0.096	
			0140	20	[illegible]	[illegible]	2.907	0.093	
	[illegible]	40	0145	5	[illegible]	[illegible]	2.915	0.085	
			0205	20	[illegible]	[illegible]	2.919	0.081	
	3102	20	0210	5	[illegible]	[illegible]	2.946	0.054	

INCL 3

PROJECT: _____ TEST: _____

PILE NO. _____ PILE TYPE: _____ JACK: _____

Date	Load Cell	Load tons	Time	Elapsed Time	Extensometers No.	Extensometers No.	Extensometers Mean	Settlement 10^{-3} in	Remarks
12-4-74	3102	20	0230	20	[illegible]	[illegible]	2.949	0.051	
	0	0	0235	5	[illegible]	[illegible]	2.953	0.018	
			0255	20	2.987	2.978	2.983	0.017	
	3102	20	0305	10	2.967	2.953	2.960	0.040	
			0325	20	2.966	2.951	2.959	0.041	Train Passing 3:4[illegible]
	5720	40	0335	10	2.944	2.921	2.933	0.067	
			0355	20	2.934	2.920	2.927	0.073	
	8235	60	0410	10	2.905	2.889	2.897	0.103	
			0430	20	2.901	2.885	2.893	0.107	
	9540	70	0435	5	2.901	2.882	2.893	0.107	
			0437	2	2.900	2.882	2.891	0.109	
			0443	8	2.900	2.882	2.891	0.109	
			0450	15	2.882	2.863	2.873	0.127	
			0505	30	2.869	2.851	2.860	0.140	
			0535	60	2.727	2.749	2.758	0.242	
			0635	120	2.762	2.745	2.754	0.246	
			0645	130	2.749	2.730	2.739	0.261	Train Passing 0645
			0715	2.40	2.736	2.7[illegible]	2.727	0.273	
			0745	3:10	2.727	2.708	2.718	0.282	Train [illegible]
			0815	3.40	2.714	2.696	2.705	0.295	
			0845	4.10	[illegible]	[illegible]	2.703	0.297	
			0915	4.40	2.706	2.682	2.694	0.306	
			0935	5.00	2.702	2.680	2.691	0.309	
	1050	80	0940	5	2.4[illegible]	2.450	2.465	0.535	
			0942	2	2.405	2.390	2.397	0.602	
			0948	8	2.340	2.320	2.330	0.670	Train Passing 0955
			0955	15	2.229	2.209	2.219	0.781	
			1010	30	2.2[illegible]	2.123	2.192	0.808	
			1040	60	2.0[illegible]	2.056	2.015	0.985	
			1140	120	1.876	1.863	1.870	1.130	
	8235	60	1150	10	1.901	1.890	1.896	1.104	
			1210	20	1.899	1.888	1.894	1.106	
	5720	40	1220	10	1.921	1.910	1.916	1.084	Train Crossing
			1240	20	1.921	1.910	1.916	1.084	1220
	3102	20	1250	10	1.952	1.942	1.947	1.053	
			1310	20	1.950	1.944	1.947	1.053	
		0	1320	10	1.990	1.994	1.992	1.008	
			1340	20	1.997	1.997	1.997	1.003	

79-C-0286

SHILSTONE ENGINEERING TESTING LABORATORY

(1)

Measuring Settlement by Engineers Level and Scale.

ce & me	P1 BM	P2	P3	P4	P6	P7	P8	P4 (Test Pile)	Settlement
3-79	2.75	3.39	2.10	6.58	12.65	2.97	1.90	0.28	.00
340	2.75	3.39	2.10	6.58	12.65	2.97	1.90	0.29	.01
10	✓	✓	✓	✓	✓	✓	✓	0.29	.01
40	✓	✓	✓	✓	✓	✓	✓	0.29	.01
15	✓	✓	✓	✓	✓	✓	1.89	0.30	.02
45	✓	✓	✓	✓	✓	✓	✓	0.30	.02
15	✓	✓	✓	✓	✓	2.95	1.87	0.30	.02
45	✓	✓	✓	✓	✓	✓	✓	0.30	.02
15	✓	✓	✓	✓	✓	✓	✓	0.30	.02
20	✓	✓	✓	✓	✓	✓	✓	0.29	.01
40	✓	3.40	2.11	6.57	12.64	2.95	1.88	0.29	.01
48	✓	✓	✓	✓	✓	✓	✓	0.28	.00
00	✓							0.30	.02
35	✓							0.30	.02
40	✓							0.31	.03
52	✓	3.39	2.10	6.58	12.65	2.94	1.87	0.32	.04
58	✓	✓	✓	✓	✓	✓	✓	0.32	.04
55								0.32	.04
10								0.32	.04
15								0.32	.04
40								0.32	.04
45								0.32	.04
47								0.33	.05
00								0.33	.05
15	2.76	3.37	2.07	6.58	12.64	2.92	1.84	0.33	.05
45								0.33	.05
55								0.33	.05
50								0.32	.04
10								0.30	.02
15								[illegible]	[illegible]
35								0.34	.06
45								0.32	.04
55								[illegible]	.04
15								0.27	
35	2.71	3.35	2.04	6.54	12.61	2.92	1.85	0.25	
45								0.30	.02
55								.30	.02
10								.33	.05
12								.33	.05
18								.32	.04
25								.32	.04

Measuring Settlement by Engineers Level and Scale.

Date & Time	P1	P2	P3	P5	P6	P7	P8	P4 (Test Pile)	Settlement
2140	2 72	3 31	2 00	6 54	[illegible]	2 88	1 82	0.31	.03
2210								0.32	.04
2310								0.32	.04
2315								0.34	.06
2317								0.34	.06
2323								0.34	.06
2330								0.34	.06
2345	2 72	3 31	2 02	6 55	12 61	2 88	1 83	0.35	.07
2400								.35	.07
0120								0.35	.07
0140								0.34	.06
0145								0.34	.06
0205								0.33	.05
0210	2 73	3 33	2 03	6 55	12 61	2 90	1 83	0.30	.02
0230								0.30	.02
0235								0.29	.
0255								.28	
0305								.30	.02
0325								.29	.01
0335	2 73	3 34	2 03	6 55	12 61	2 90	1 84	.32	.04
0355								.32	.04
0410								.35	.07
0430	2 74	3 31	2 01	6 56	12 62	2 86	1 81	.35	.07
0435	[TRIED TO APPLY (70) TONS BUT FOUND IT HARD TO SUSTAIN LOAD							.39	.11
0500	[SLIPPING OF PRESSURE SLOWED DOWN							.45	.17
0517	BUT STILL not HOLDING COMPLETELY]							.46	.18
0530	✓	✓	✓	✓	✓	✓	✓	.47	.19
0555								.49	.21
0630	✓	✓	✓	✓	✓	✓	✓	.50	.22
0645								.51	.23
0715	✓	✓	✓	✓	✓	✓	✓	.52	.24
0745								.53	.25
0815								.54	.26
0845	2 74	3 31	2 01	6 55	12 62	2 86	1 81	.54	.26
0915								.55	.27
0935								.55	.27
0940								.85	.57
0942								.87	.59
0945								.90	.62
0955								1.02	.74
1010								1.14	.86
1040								[illegible]	1.03
1140								1.46	1.18

SHILSTONE ENGINEERING TESTING LABORATORY

(3)

Measuring Settlement by Engineers Level and Scale.

Date & Time	P1	P2	P3	P5	P6	P7	P8	P4 (Test Pile)	Settlement
1150	2 74	3 32	2 01	1 53	12 41	3 88	1 83	1.43	1.15
1210								1.43	1.10
1220								1.42	1.14
1240								1.42	1.14
1250								1.39	1.11
1310								1.38	1.09
1320								1.35	1.06
1340	2 74	3 32	2 01	1 53	12 41	3 88	1 83	1.34	1.05

CONST 1/14

SHILSTONE ENGINEERING TESTING LABORATORY, INC.

ATLANTA, GEORGIA ZIP CODE 30306 600 VIRGINIA AVE., N.E. PHONE (404) 872-0795	BATON ROUGE, LA. ZIP CODE 70802 1068 NEOSHO ST. PHONE (504) 387-3149	MONROE, LA ZIP CODE 71201 315 N. SECOND ST. PHONE (318) 387-2327	X NEW ORLEANS, LA ZIP CODE 70112 814 CONTI ST. PHONE (504) 524-8395	BEAUMONT, TEXAS ZIP CODE 77701 2276 PARK ST. PHONE (713) 838-1694	FREEPORT, TEXAS ZIP CODE 77541 415 NORTH AVENUE F PHONE (713) 233-6366	HOUSTON, TEXAS ZIP CODE 77007 1714 MEMORIAL DR. PHONE (713) 224-2047

TESTED FOR: Atlas Construction Co., Inc.
P. O. Box 10
Kenner, La. 70063

PROJECT: CITRUS LAKEFRONT FLOODWALL
N. O. AIRPORT AND LINCOLN BEACH
NEW ORLEANS, LA.
TEST PILE PROGRAM

DATE: December 11, 1979

OUR REPORT NO.: 76-9188

REMARKS:

This is to certify that on December 11, 1979 two (2) Model 656-3041, three (3) inch travel Starret Dial Micrometers were calibrated against a Kraut Kramer Model D Standard thickness step wedge and found to be true to 0.01 inches.

SHILSTONE ENGINEERING
TESTING LABORATORY, INC.

Frank A. Tusa

Frank A. Tusa
Branch Manager
Construction Service

INCL 4

SHILSTONE ENGINEERING TESTING LABORATORY, INC.

ATLANTA, GEORGIA	BATON ROUGE, LA.	MONROE, LA	X NEW ORLEANS, LA	BEAUMONT, TEXAS	FREEPORT, TEXAS	HOUSTON, TEXAS
ZIP CODE 30306	ZIP CODE 70802	ZIP CODE 71201	ZIP CODE 70112	ZIP CODE 77701	ZIP CODE 77541	ZIP CODE 77007
600 VIRGINIA AVE., N.E.	1068 NEDSHO ST.	315 N. SECOND ST.	814 CONTI ST.	2276 PARK ST.	415 NORTH AVENUE F	1714 MEMORIAL DR.
PHONE (404) 872-0795	PHONE (504) 387-3149	PHONE (318) 387-2327	PHONE (504) 524-8395	PHONE (713) 838-1694	PHONE (713) 233-6366	PHONE (713) 224-2047

TESTED FOR: Atlas Construction Co., Inc.
P. O. Box 10
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PROJECT: CITRUS LAKEFRONT FLOODWALL
N. O. AIRPORT AND LINCOLN BEACH
NEW ORLEANS, LA.
TEST PILE PROGRAM

DATE: December 11, 1979

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STRAIN INDICATOR CALIBRATION

REMARKS:

LOAD IN TONS	TESTING MACHINE IN POUNDS	STRAIN INDICATOR
5	10,000	12.20
10	20,000	18.30
15	30,000	25.30
20	40,000	31.54
25	50,000	37.74
30	60,000	44.40
35	70,000	50.38
40	80,000	57.10
45	90,000	63.20
50	100,000	69.56
55	110,000	75.58
60	120,000	81.94
65	130,000	88.00
70	140,000	94.40
75	150,000	100.50
80	160,000	106.56
85	170,000	113.24
90	180,000	118.82
95	190,000	125.40
100	200,000	131.66
105	210,000	137.56
110	220,000	143.88
115	230,000	150.18
120	240,000	156.38
125	250,000	162.06
130	260,000	168.50
135	270,000	174.56
140	280,000	180.54
145	290,000	186.34
150	300,000	193.10

Frank A. Jones

SHILSTONE ENGINEERING TESTING LABORATORY, INC.

			X			
ATLANTA, GEORGIA ZIP CODE 30306 600 VIRGINIA AVE., N.E. PHONE (404) 872-0795	BATON ROUGE, LA. ZIP CODE 70802 1068 NEOSHO ST. PHONE (504) 387-3149	MONROE, LA ZIP CODE 71201 315 N. SECOND ST. PHONE (318) 387-2327	NEW ORLEANS, LA ZIP CODE 70112 814 CONTI ST. PHONE (504) 524-8395	BEAUMONT, TEXAS ZIP CODE 77701 2276 PARK ST. PHONE (713) 838-1694	FREEPORT, TEXAS ZIP CODE 77541 415 NORTH AVENUE F PHONE (713) 233-6366	HOUSTON, TEXAS ZIP CODE 77007 1714 MEMORIAL DR. PHONE (713) 224-2047

TESTED FOR: Atlas Const. Co., Inc.
P. O. Box 10
Kenner, La. 70063

PROJECT: CITRUS LAKEFRONT FLOODWALL
N.O. AIRPORT AND LINCOLN BEACH
NEW ORLEANS, LA.
TEST PILE PROGRAM

DATE: December 11, 1979

OUR REPORT NO.: 76-9188

150 TON JACK CALIBRATION

REMARKS:

LOAD IN TONS	TESTING MACHINE IN POUNDS	GAUGE PRESSURE (PSI)
5	10,000	475
10	20,000	750
15	30,000	1175
20	40,000	1550
25	50,000	1900
30	60,000	2250
35	70,000	2700
40	80,000	3000
45	90,000	3400
50	100,000	3800
55	110,000	4200
60	120,000	4525
65	130,000	4875
70	140,000	5210
75	150,000	5600
80	160,000	5975
85	170,000	6400
90	180,000	6525
95	190,000	7150
100	200,000	7450
105	210,000	7825
110	220,000	8250
115	230,000	8600
120	240,000	9000
125	250,000	9340
130	260,000	9725
135	270,000	10100
140	280,000	10500
145	290,000	10900
150	300,000	11250

Frank A. Lasso