AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
	1 | 20

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO.(If applicable)
0003	10-Oct-2006		ED-99-028, SELA, SE

6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than item 6)	CODE
USACE, CONTRACTING DIVISION ATTN: CEMVN-CT, ROOM 172 7400 LEAKE AVE. NEW ORLEANS LA 70118-3651	W912P8	**See Item 6**	

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		
	X	9A. AMENDMENT OF SOLICITATION NO. W912P8-06-R-0206
	X	9B. DATED (SEE ITEM 11) 22-Sep-2006
		10A. MOD. OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)
CODE / FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer [ ] is extended, [X] is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

[ ] A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

[ ] B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).

[ ] C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

[ ] D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [ ] is not, [ ] is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The above numbered solicitation for Southeast Louisiana Urban Flood Control Project, Gardere Canal Improvements - Phase I & II, Phase I - From M. L. King Playground to Brown Avenue Canal - Additional Improvements, Phase II - From Brown Avenue Canal to Eigth St., Jefferson Parish, LA, is hereby amended as follows:

PROPOSAL RECEIPT DATE

Proposals are still required to be delivered on 23 October 2006, 2:00 P.M., local time in New Orleans, LA.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) TEL: EMAIL:	
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)	16C. DATE SIGNED 10-Oct-2006

SECTION 00010

Delete page 00010-3 in its entirety and substitute the attached revised page 00010-3 therefore.

SECTION 02242

Add the attached Soil Borings to the end of this section.

SECTION 02252

Page 5, paragraph 3.1.4. Delete this paragraph in its entirety and substitute the following therefore.

"3.1.4 Backfilling of Voids

Where voids adjacent to the steel sheet piling are induced by pile driving operations, the contractor shall pump out all seepage and rain water and backfill with a tremie-placed slurry. The slurry shall consist of sand mixed with enough water to produce a slurry viscous enough to thoroughly fill the voids."

SECTION 02365

Page 2, paragraph 1.3. In the 5th line delete "126+35 and".

SECTION 02411

1. Page 3, paragraph 1.4.2.1. Delete the 1st sentence in its entirety and substitute the following therefore: "Payment for permanent steel sheet piling, acceptably installed and measured in accordance with above paragraph 1.4.1.1, including fabrication of piles, will be made at the applicable contract unit price per square foot for "Permanent Steel Sheet Pile Wall".

2. Page 8, paragraph 3.1.1.2. Replace the 4th sentence with the following: "Pilings shall be driven using non-impact non-vibratory press in driving method."

3. Page 9, paragraph 3.1.1.3. Delete the last sentence of this paragraph.

4. Page 10, paragraph 3.1.7. Delete this paragraph in its entirety and substitute the following therefore: "3.1.7 Reserved".

SECTION 00010 - BIDDING SCHEDULE

SOUTHEAST LOUISIANA URBAN FLOOD CONTROL PROJECT
GARDERE CANAL IMPROVEMENTS – PHASE I & II
PHASE I – FROM M.L. KING PLAYGROUND TO BROWN AVENUE CANAL – ADDITIONAL IMPROVEMENTS
PHASE II – FROM BROWN AVENUE CANAL TO EIGHTH STREET
JEFFERSON PARISH, LOUISIANA

Item	DESCRIPTION	Estimated Quantity	Unit	Unit Price	Estimated Amount
0001	Mobilization and Demobilization	1	LS		
0002	Traffic Control and Coordination	1	LS		
0003	Clearing and Grubbing	1	LS		
0004	Removal of Structures and Obstructions	1	LS		
0005	Excavation	55,000	CY		
0006	Bedding Material	15,500	CY		
0007	Lightweight Aggregate (Expanded Clay)	3,500	CY		
0008	Geotextile Separator Fabric	25,650	SY		
0009	Backfill	11,600	CY		
0010	Construction Dewatering	1	LS		
0011	Temporary Retaining Structures	1	LS		
0012	12 Inch Concrete Slab for Sheet Pile Section	5,110	LF		
0013*	Permanent Steel Sheet Pile Wall	448,000	SF		
0014*	Item Deleted from Original Bidding Schedule				
0015	Concrete Cap for Sheet Pile Wall	11,100	LF		

* Denotes a change from the previous Bidding Schedule.

GORE ENGINEERING, INC.

J°5681

Soil and Foundation Investigations
Metairie, Louisiana

Boring No. GAR1-U

LOG OF BORING AND TEST RESULTS

Date of Boring: 19 Sep 1994

Project: JEFFERSON PARISH URBAN FLOOD CONTROL - GARDERE CANAL - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA
BROWN-CUNNINGHAM-GANNUCH - PROJECT COORDINATORS - METAIRIE, LOUISIANA

Recorded By: Don Tusa

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (ft)	UNCONFINED COMP. (qu) (lbs/sq.ft)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
1	.5	1.0	.0	LOOSE GRAY SILTY FINE SAND W/CINDERS										
2	1.5	2.0	1.0					80	42.8	62.6	89.4	48	16	32
3	3.5	4.0												
4	5.5	6.0		VERY SOFT TO SOFT GRAY CLAY W/SOME ORGANIC & WOOD				495	96.9	44.2	87.0			
5	7.5	8.0												
6	9.5	10.0					10	765	75.3	53.1	93.1	116	42	74
			10.0											

CLAY SILT SAND ORGANIC

Predominant type bold. Modifying type light.

*140 lb. hammer dropped 30 in. on 2 in. splitspoon sampler after first being seated 6 in.

REMARKS:

J-6717
Fig. 13
Fig. 1

GORE ENGINEERING, INC.

Soil and Foundation Investigations
Metairie, Louisiana

J-5681

Boring No. GAR2-U

LOG OF BORING AND TEST RESULTS

Date of Boring: 29 Aug 1994

Project: JEFFERSON PARISH URBAN FLOOD CONTROL - GARDERE CANAL - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA
BROWN-CUNNINGHAM-GANNUCH - PROJECT COORDINATORS - METAIRIE, LOUISIANA

Recorded By: D. A. Hill

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (ft)	UNCONFINED COMP. (qu) (lbs/sq.ft)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
1	.0	.4	.0	ASPHALT 5"					4.6					
2	1.0	1.5	.4	SHELL (FILL)					6.4					
3	2.0	2.5	1.5	MEDIUM STIFF TAN & GRAY CLAY W/SILT (CH)					40.2					
4	4.5	5.0						1290	34.9	81.1	109.4	50	16	34
5	7.0	7.5	6.0	MEDIUM STIFF TAN & GRAY SILTY CLAY (CL)				1100	30.8	88.0	115.1			
6	9.5	10.0	8.5	SOFT GRAY CLAY W/SILT LENSES (CH)			10		35.5					
7	12.0	12.5	10.5	SOFT GRAY CLAY W/MUCH ORGANIC & WOOD (CH)				520	149.4	30.8	76.8	258	51	207
8	14.5	15.0	13.0	SOFT TO MEDIUM STIFF GRAY CLAY W/SILT LENSES (CH)					65.7					
9	17.0	17.5						1015	68.4	56.5	95.2			
10	19.5	20.0		(W/WOOD @ 19.5 - 20.0')			20		68.4					
11	22.0	22.5	21.0	MEDIUM STIFF BROWN&GRAY ORGANIC CLAY (OH)				1330	179.6	26.6	74.5	248	59	189
12	24.5	25.0	23.0	SOFT GRAY CLAY W/SPECKS WOOD (CH)				535	85.4	49.1	91.0			
13	27.0	27.5	26.5	MEDIUM COMPACT GRAY CLAYEY SILT (ML)				1075	31.8	85.4	112.6	38	--	NP
14	29.5	30.0	28.5	SOFT GRAY CLAY W/SILT LENSES (CH)			30	560	73.4	53.9	93.4			
15	32.0	32.5							68.8					
16	34.5	35.0							59.0					
17	37.0	37.5							67.8					
18	39.5	40.0					40	845	65.0	59.1	97.5	85	17	68
19	42.0	42.5							56.7					
20	44.5	45.0							54.3					
21	47.0	47.5							64.6					
22	49.5	50.0	50.0				50	990	39.1	61.7	98.1			

CLAY SILT SAND ORGANIC
Predominant type bold. Modifying type light.

*140 lb. hammer dropped 30 in. on 2 in. splitspoon sampler after first being seated 6 in.

REMARKS: WATER TABLE AT 8.5' (SEE TEXT)

J-6717
Fig. 14
Fig. 2

GORE ENGINEERING, INC.

J-5681

Soil and Foundation Investigations
Metairie, Louisiana

Boring No. GAR3-UA

LOG OF BORING AND TEST RESULTS

Date of Boring: 19 Sep 1994

Project: JEFFERSON PARISH URBAN FLOOD CONTROL - GARDERE CANAL - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA
BROWN-CUNNINGHAM-GANNUCH - PROJECT COORDINATORS - METAIRIE, LOUISIANA

Recorded By: D. A. Hill

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (ft)	UNCONFINED COMP. (qu) (lbs/sq.ft)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
1	.0	1.0	.0	STIFF TAN & GRAY CLAY W/SILT (CH)					30.2					
2	1.0	2.0						2560	27.8	88.1	112.6			
3	2.0	3.0	2.0						31.1					
4	3.0	4.0		MEDIUM STIFF TAN & GRAY SILTY CLAY					36.1					
5	4.0	5.0		(FISSURED) (CL)				1454	33.7	85.4	114.2			
6	5.0	6.0	6.0						49.1					
7	6.0	7.0							54.5					
8	7.0	8.0		MEDIUM STIFF GRAY CLAY W/SILT					77.8					
9	8.0	9.0		(FISSURED) (CH)				733	48.5	70.6	104.8			
10	9.0	10.0							74.1					
11	10.0	11.0	10.0	SOFT GRAY CLAY W/SILT LENSES (CH)					63.5					
12	11.0	12.0	11.0						162.8					
13	12.0	13.0							101.6					
14	13.0	14.0		VERY SOFT GRAY CLAY W/ORGANIC CLAY					100.0					
15	14.0	15.0		LAYERS & WOOD (CH)				333	119.9	44.3	88.7			
16	15.0	16.0							100.5					
17	16.0	17.0	16.0						168.2					
18	17.0	18.0		SOFT TO MEDIUM STIFF BROWN & GRAY					170.0					
19	18.0	19.0	18.0	ORGANIC CLAY W/WOOD (OH)				1624	149.2	27.8	75.0			
20	19.0	20.0	19.0	SOFT GRAY CLAY W/SOME WOOD&ORG. CLAY LYRS. (CH)					73.0					
21	20.0	21.0						465	69.1	54.5	94.2			
22	21.0	22.0							94.0					
23	22.0	23.0							63.0					
24	23.0	24.0							65.5					
25	24.0	25.0							50.3					
26	25.0	26.0							72.6					
27	26.0	27.0							61.0					
28	27.0	28.0							76.6					
29	28.0	29.0							58.3					
30	29.0	30.0						555	46.9	70.7	103.9			
31	30.0	31.0							69.7					
32	31.0	32.0							70.4					
33	32.0	33.0		VERY SOFT TO SOFT GRAY CLAY W/SAND					71.0					
34	33.0	34.0		LENSES (SOME WOOD @ 21.0-22.0) (CH)					58.0					
35	34.0	35.0							72.5					
36	35.0	36.0							58.3					
37	36.0	37.0							75.7					
38	37.0	38.0							57.9					
39	38.0	39.0							65.1					
40	39.0	40.0						835	57.7	63.3	99.8			
41	40.0	41.0							57.8					
42	41.0	42.0							64.8					
43	42.0	43.0							62.3					
44	43.0	44.0							61.6					
45	44.0	45.0							64.8					
46	45.0	46.0							70.7					
47	46.0	47.0							76.4					
48	47.0	48.0							68.5					
49	48.0	49.0							52.8					
50	49.0	50.0						742	67.3	58.0	97.1			
51	50.0	51.0							57.0					
52	51.0	52.0							56.0					
53	52.0	53.0							65.8					
54	53.0	54.0							62.0					
55	54.0	55.0							55.1					
56	55.0	56.0							55.2					
57	56.0	57.0							51.5					
58	57.0	58.0							53.3					
59	58.0	59.0							56.0					
60	59.0	60.0	59.0											
61	60.0	61.0	60.0		PGTS.			1170*	27.6	83.9	107.0			
62	61.0	62.0							68.0					
63	62.0	63.0							65.7					
64	63.0	64.0							59.3					
65	64.0	65.0		MEDIUM STIFF GRAY CLAY W/SAND POCKETS					55.5					
66	65.0	66.0		& SHELL FRAGMENTS W/MUCH SAND & SHELL					56.7					
67	66.0	67.0		@ 66.0-67.0') (CH)					53.7					
68	67.0	68.0							33.2					
69	68.0	69.0	68.0						31.6					
70	69.0	70.0		LOOSE GRAY CLAYEY FINE SAND W/SHELL					26.6					
71	70.0	71.0	70.0	FRAGMENTS (SC)					30.2					
72	71.0	72.0							27.8					
73	72.0	73.0		MEDIUM STIFF GRAY CLAY W/SAND POCKETS					30.6					
74	73.0	74.0		& SHELL FRAGMENTS (CH)					34.9					
75	74.0	75.0							47.0					
			75.0						48.0					

FREE WATER AT 6.0' (SEE TEXT)

CLAY SILT SAND ORGANIC

Predominant type bold. Modifying type light.

*140 lb. hammer dropped 30 in. on 2 in. splitspoon sampler after first being seated 6 in.

REMARKS: *equivalent Qu from 1-point triaxial test
WATER TABLE AT 3.5' (SEE TEXT)

J-6717
Fig. 15
Fig. 3

GORE ENGINEERING, INC.

Soil and Foundation Investigations
Metairie, Louisiana

J-5681

Boring No. GAR4-UA

LOG OF BORING AND TEST RESULTS

Date of Boring: 21 Sep 1994

Project: JEFFERSON PARISH URBAN FLOOD CONTROL - GARDERE CANAL - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA
BROWN-CUNNINGHAM-GANNUCH - PROJECT COORDINATORS - METAIRIE, LOUISIANA

Recorded By: D. A. Hill

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (ft)	UNCONFINED COMP. (qu) (lbs/sq.ft)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
1	.0	.5	.0						28.8					
2	1.0	2.0							28.6					
3	2.0	3.0		MEDIUM STIFF TO STIFF TAN & GRAY CLAY W/SILT (CH)				2471	28.4	86.9	111.6			
4	3.0	4.0							47.8					
5	4.0	5.0							59.3					
6	5.0	6.0							57.2					
7	6.0	7.0	6.0	VERY SOFT GRAY & TAN CLAY W/SILT (CH)				5109	56.7	63.6	99.7			
8	7.0	8.0	7.0						65.8					
9	8.0	9.0		MEDIUM STIFF GRAY CLAY W/TRACE ORG. (CH)					64.1					
10	9.0	10.0	9.0						122.1					
11	10.0	11.0						120	108.7	41.2	85.9			
12	11.0	12.0							163.3					
13	12.0	13.0		VERY SOFT BROWNISH GRAY ORGANIC CLAY W/WOOD & ORGANIC CLAY LAYERS @ 13.0-14.0') (OH)					132.9					
14	13.0	14.0							87.9					
15	14.0	15.0						90	108.5	41.4	86.3			
16	15.0	16.0							106.2					
17	16.0	17.0							105.9					
18	17.0	18.0							194.8					
19	18.0	19.0							137.1					
20	19.0	20.0						390	152.4	30.8	77.8			
21	20.0	21.0							122.9					
22	21.0	22.0	22.0						112.2					
23	22.0	23.0							129.8					
24	23.0	24.0		VERY SOFT GRAY CLAY W/ORGANIC CLAY LAYERS (OH)					111.7					
25	24.0	25.0	25.0					225	111.3	39.6	83.6			
26	25.0	26.0							86.9					
27	26.0	27.0							78.3					
28	27.0	28.0							85.8					
29	28.0	29.0							56.3					
30	29.0	30.0							53.0					
31	30.0	31.0							91.0					
32	31.0	32.0							65.9					
33	32.0	33.0												
34	33.0	34.0							72.0					
35	34.0	35.0						530	55.2	64.0	99.4			
36	35.0	36.0							61.5					
37	36.0	37.0		VERY SOFT GRAY CLAY W/SOME ORGANIC (CH)					76.5					
38	37.0	38.0							74.1					
39	38.0	39.0							78.3					
40	39.0	40.0							72.6					
41	40.0	41.0							76.5					
42	41.0	42.0							63.2					
43	42.0	43.0							98.6					
44	43.0	44.0							69.2					
45	44.0	45.0						510	63.7	58.8	96.3			
46	45.0	46.0							62.5					
47	46.0	47.0												
48	47.0	48.0							72.9					
49	48.0	49.0							77.1					
50	49.0	50.0							65.3					
51	50.0	51.0	51.0						82.5					
52	51.0	52.0							54.3					
53	52.0	53.0							53.0					
54	53.0	54.0		VERY SOFT GRAY SANDY CLAY W/SHELL FRAGMENTS (CL)					60.4					
55	54.0	55.0						1245	57.4	61.8	97.3			
56	55.0	56.0							77.3					
57	56.0	57.0							66.9					
58	57.0	58.0	58.0						22.6					
59	58.0	59.0		VERY SOFT GRAY CLAY W/SHELL FRAGMENTS (CH)					67.9					
60	59.0	60.0	60.0						66.2					
61	60.0	61.0							65.8					
62	61.0	62.0		SOFT TO MEDIUM STIFF GRAY CLAY W/SAND & SHELL (CH)				1104	57.2	63.1	99.1			
63	62.0	63.0							59.5					
64	63.0	64.0	64.0						30.7					
65	64.0	65.0		LOOSE GRAY CLAYEY FINE SAND W/SHELL (SC)					38.7					
66	65.0	66.0	66.0						26.5					
67	66.0	67.0		VERY SOFT GRAY SANDY CLAY W/SHELL FGTS. (CL)				165	29.8	86.1	111.8			
68	67.0	68.0	68.0						32.0					
69	68.0	69.0		STIFF GREENISH GRAY & REDDISH TAN CLAY W/SAND & SHELL FGTS. (FISS.) (CH)					37.2					
70	69.0	70.0	70.0					1425	31.4	76.5	100.5			
71	70.0	71.0							25.8					
72	71.0	72.0		STIFF GREENISH GRAY & REDDISH TAN SANDY CLAY (FISSURED) (CL)					20.6					
73	72.0	73.0						1260	25.4	95.1	119.3			
74	73.0	74.0							20.2					
75	74.0	75.0	75.0						25.3					

CLAY SILT SAND ORGANIC

Predominant type bold. Modifying type light.

*140 lb. hammer dropped 30 in. on 2 in. splitspoon sampler after first being seated 6 in.

REMARKS: WATER TABLE AT 4.6' (SEE TEXT)

J-6717
Fig. 16
Fig. 4

GORE ENGINEERING, INC.

Soil and Foundation Investigations
Metairie, Louisiana

J-5681

Boring No. GAR5-U

LOG OF BORING AND TEST RESULTS

Date of Boring: 5 Oct 1994

Project: JEFFERSON PARISH URBAN FLOOD CONTROL - GARDERE CANAL - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA
BROWN-CUNNINGHAM-GANNUCH - PROJECT COORDINATORS - METAIRIE, LOUISIANA

Recorded By: D. A. Hill

Sample No.	Sample Depth in Feet From	Sample Depth in Feet To	Stratum Depth in feet	Visual Classification	*Blows per Foot	Symbol Log	Scale (ft)	Unconfined Comp. (qu) (lbs/sq.ft)	Water Content (percent)	Unit Weight (lbs./cu.ft.) DRY	Unit Weight (lbs./cu.ft.) WET	Atterberg Limits L.L.	Atterberg Limits P.L.	Atterberg Limits P.I.
			.0	WATER										
			1.0											
1	2.5	3.0		VERY SOFT BLACK CLAY (CH)					36.2					
			4.0											
2	4.5	5.0		SOFT GRAY CLAY W/ORGANIC (CH)			5		106.7					
3	6.5	7.0						585	94.8	43.6	85.0	130	48	82
			8.0											
4	8.5	9.0		VERY SOFT TO SOFT BROWN ORGANIC CLAY (OH)			10	595	184.1	25.4	72.1			
5	10.5	11.0						465	102.9	40.4	81.9	141	48	93
			11.0											

CLAY SILT SAND ORGANIC

Predominant type bold. Modifying type light.

*140 lb. hammer dropped 30 in. on 2 in. splitspoon sampler after first being seated 6 in.

REMARKS:

J-6717
Fig. 17
Fig. 5

GORE ENGINEERING, INC.

J"5681

Soil and Foundation Investigations
Metairie, Louisiana

Boring No. GAR6-U

LOG OF BORING AND TEST RESULTS

Date of Boring: 5 Oct 1994

Project: JEFFERSON PARISH URBAN FLOOD CONTROL - GARDERE CANAL - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA
BROWN-CUNNINGHAM-GANNUCH - PROJECT COORDINATOR - METAIRIE, LOUISIANA

Recorded By: D.A. Hill

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (ft)	UNCONFINED COMP. (qu) (lbs/sq.ft)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
			.0											
1	1.5	2.0		VERY SOFT BLACK CLAY W/TRACE ORGANIC				295	79.6	41.9	75.2			
2	3.5	4.0		(W/PETROLEUM ODOR @ 3.5-4.0') (CH)				25	36.5	57.3	78.2	106	30	76
			5.0				5							
3	5.5	6.0		VERY SOFT BROWN ORGANIC CLAY (OH)				115	152.2	29.1	73.3			
4	7.5	8.0						350	130.6	33.2	76.6	160	73	87
			8.0											
5	9.5	10.0		VERY SOFT GRAY CLAY W/SILT (CH)			10	265	50.5	62.3	93.8			
			10.0											

FREE WATER AT 8.0' (SEE TEXT)

CLAY SILT SAND ORGANIC

Predominant type bold. Modifying type light.

*140 lb. hammer dropped 30 in. on 2 in. splitspoon sampler after first being seated 6 in.

REMARKS:

J-6717
Fig. 18
Fig. 6

GORE ENGINEERING, INC.

J-5681

Soil and Foundation Investigations
Metairie, Louisiana

Boring No. GAR7-U

LOG OF BORING AND TEST RESULTS

Date of Boring: 3 Nov 1994

Project: JEFFERSON PARISH URBAN FLOOD CONTROL - GARDERE CANAL - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA
BROWN-CUNNINGHAM-GANNUCH - PROJECT COORDINATORS - METAIRIE, LOUISIANA

Recorded By: D. A. HILL

Sample No.	Sample Depth in Feet From	Sample Depth in Feet To	Stratum Depth in Feet	Visual Classification	*Blows per Foot	Symbol Log	Scale (ft)	Unconfined Comp. (qu) (lbs/sq.ft)	Water Content (percent)	Unit Weight (lbs./cu.ft.) Dry	Unit Weight (lbs./cu.ft.) Wet	Atterberg Limits L.L.	Atterberg Limits P.L.	Atterberg Limits P.I.
			.0											
1	2.0	2.5		VERY STIFF BROWN & TAN CLAY W/SILT (CH)				11985	25.0	90.0	112.5			
2	4.5	5.0	4.0	MEDIUM STIFF BROWN CLAY W/TRACE ORG. (CH)				1565	61.1	59.2	95.3			
			5.5											
3	7.0	7.5		VERY SOFT BROWN ORGANIC CLAY (OH)				280	213.8	23.5	73.7	222	41	181
4	9.5	10.0					10	355	191.7	25.7	74.9			
			10.5											
5	12.0	12.5		MEDIUM STIFF BROWN & TAN CLAY (CH)				1565	70.9	53.3	91.1			
			13.0											
6	14.5	15.0		VERY SOFT GRAY CLAY W/SILT (CH)				245	63.3	58.8	96.0	66	26	40
			15.5											
7	17.0	17.5												
8	19.5	20.0		LOOSE GRAY SILTY FINE SAND (SM)			20	1100*	26.3	89.6	113.2			
9	22.0	22.5												
10	24.5	25.0						1160*	35.9	74.7	101.5			
			25.5											
11	27.0	27.5												
12	29.5	30.0					30	450	61.3	60.7	97.9	67	25	42
13	32.0	32.5												
14	34.5	35.0		VERY SOFT TO SOFT GRAY CLAY W/SILT (CH)				520	70.5	55.0	93.8			
15	37.0	37.5												
16	39.5	40.0					40	660	71.7	54.9	94.2			
17	42.0	42.5												
18	44.5	45.0						765	66.5	57.5	95.7	85	26	59
19	47.0	47.5												
20	49.5	50.0	50.0				50	800	58.4	60.7	96.1			

CLAY SILT SAND ORGANIC

Predominant type bold. Modifying type light.

*140 lb. hammer dropped 30 in. on 2 in. splitspoon sampler after first being seated 6 in.

REMARKS: *equivalent Qu from 1-point triaxial test

J-6717
Fig. 19
Fig. 7

GORE ENGINEERING, INC.

Job No. 6717

Soil and Foundation Investigations
Metairie, Louisiana

Boring No. GAR-13U

LOG OF BORING AND TEST RESULTS

Date Boring Drilled: 13 April 1998

Project: GARDERE CANAL IMPROVEMENTS - PHASE II - BROWN AVENUE TO EIGHTH STREET - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA

Recorded By: D.A. Hill

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (feet)	UNCONFINED COMPRESSION (Qu) (lbs./sq.ft.)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
			.0				0							
1	.0	.5	1.0	STIFF BROWN CLAY [CH] W/ SILT										
2	1.5	2.0	2.0	STIFF TAN & GRAY CLAY [CH] W/ SILT				3050	30.8	86.4	113.0			
3	3.5	4.0		MEDIUM STIFF TAN & GRAY CLAY [CH] W/ SILT			5							
4	5.5	6.0	7.0					1480	32.6	85.0	112.7			
5	7.5	8.0						1035	37.9	79.6	109.8			
6	9.5	10.0					10	1325	56.1	65.6	102.4	89	40	49
7	11.5	12.0						1110	58.1	63.7	100.7			
				SOFT TO MEDIUM STIFF GRAY CLAY [CH] W/ SILT										
8	14.5	15.0		(W/ WOOD @ 9.5'-10.0')			15	895	72.2	56.2	96.8			
9	19.5	20.0					20	1025	55.7	60.8	94.7			
			22.0											
				MEDIUM STIFF BROWN ORGANIC CLAY [OH] W/ WOOD										
10	24.5	25.0	26.0				25	1730	171.5	28.7	77.8	213	160	53
11	29.5	30.0					30							
12	34.5	35.0					35	920	38.6	76.5	106.0			
				SOFT GRAY CLAY [CH] W/ WOOD										
13	39.5	40.0					40							
14	44.5	45.0					45	795	67.8	57.7	96.8	78	37	41
15	49.5	50.0	50.0				50							

Note: Symbols in Brackets [ ] indicate Unified Soils Classification.

CLAY SILT SAND ORGANIC

*140 lb. hammer dropped 30 inches on 2 inch splitspoon sampler

REMARKS: Water Table Depth = .6 ft (See Text)

GORE ENGINEERING, INC.

Soil and Foundation Investigations
Metairie, Louisiana

Job No. 6717

Boring No. GAR-14U

LOG OF BORING AND TEST RESULTS

Date Boring Drilled: 13 April 1998

Project: GARDERE CANAL IMPROVEMENTS - PHASE II - BROWN AVENUE TO EIGHTH STREET - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA

Recorded By: D.A. Hill

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (feet)	UNCONFINED COMPRESSION (Qu) (lbs./sq.ft.)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
			.0				0							
1	.0	.5		SHELL [SI] W/ SOME SAND										
			1.5											
2	1.5	2.0		STIFF TAN & GRAY CLAY [CH] W/ SILT										
3	3.5	4.0	4.0					3800	28.7	89.4	115.0			
4	5.5	6.0		MEDIUM STIFF TAN & GRAY CLAY [CH] W/ SILT			5	1175	39.3	71.9	100.2			
			7.0											
5	7.5	8.0		SOFT TO MEDIUM STIFF GRAY & TAN CLAY [CH] W/ SILT				980	38.2	79.5	109.9	54	27	27
			9.0											
6	9.5	10.0					10	630	86.1	48.4	90.1			
7	11.5	12.0						820	100.8	43.7	87.8			
8	14.5	15.0		SOFT GRAY CLAY [CH] W/ ORGANIC CLAY LAYERS			15	790	68.5	58.0	97.8	99	37	62
9	19.5	20.0					20	920	65.6	58.4	96.7			
			23.5											
10	24.5	25.0		SOFT BROWNISH GRAY ORGANIC CLAY [OH]			25	790	123.4	36.7	82.0	170	111	59
			27.5											
11	29.5	30.0					30	705	69.3	57.3	97.0			
12	34.5	35.0					35							
13	39.5	40.0		SOFT GRAY CLAY [CH] W/ TRACE ORGANIC			40	560	62.1	61.0	98.9	75	39	36
14	44.5	45.0					45							
15	49.5	50.0	50.0				50	595	70.1	56.3	95.7			

Note: Symbols in Brackets [ ] indicate Unified Soils Classification.

CLAY SILT SAND ORGANIC

Predominant Type Bold. Modifying Type Light.

*140 lb. hammer dropped 30 inches on 2 inch splitspoon sampler after first being seated 6 inches.

REMARKS: Water Table Depth = 1.9 ft (See Text)

Fig. 4

GORE ENGINEERING, INC.

Job No. 6717

Soil and Foundation Investigations
Metairie, Louisiana

Boring No. GAR-15U

LOG OF BORING AND TEST RESULTS

Date Boring Drilled: 13 April 1998

Project: GARDERE CANAL IMPROVEMENTS - PHASE II - BROWN AVENUE TO EIGHTH STREET - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA

Recorded By: Don Tusa

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (feet)	UNCONFINED COMPRESSION (Qu) (lbs./sq.ft.)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
			.0				0							
1	.0	.5		VERY STIFF BROWN CLAY [CH]										
2	1.5	2.0		W/ SILT				4010	19.0	89.6	106.6			
			3.0											
3	3.5	4.0		MEDIUM STIFF TAN & GRAY CLAY [CH] W/ SILT			5							
4	5.5	6.0	6.0					1650	31.4	86.7	113.9			
5	7.5	8.0		SOFT TO MEDIUM STIFF GRAY & TAN CLAY [CH]				795	42.0	76.3	108.3	59	16	43
6	9.5	10.0		W/ TRACE WOOD			10	1035	46.8	74.2	108.9			
			11.5											
7	11.5	12.0		SOFT BROWN HUMUS [Pt] W/ WOOD				580	266.9	18.8	69.1			
8	14.5	15.0	15.0				15	825	257.7	19.7	70.3	359	100	259
9	16.0	16.5		SOFT GRAY CLAY [CH] W/ ORGANIC				580	86.0	50.4	93.7			
			19.0											
10	19.5	20.0	20.0	SOFT DARK GRAY ORGANIC CLAY [OH]			20	595	135.5	34.9	82.3			
11	21.5	22.0		MEDIUM STIFF BROWN ORGANIC CLAY [OH] W/ WOOD				1435	160.6	30.9	80.4			
			24.5											
12	24.5	25.0					25							
13	29.5	30.0					30	450	63.7	60.2	98.6	44	15	29
14	34.5	35.0					35							
				VERY SOFT TO SOFT GRAY CLAY [CH] W/ SILT LAYERS										
15	39.5	40.0					40	595	63.0	61.3	100.0			
16	44.5	45.0					45							
17	49.5	50.0	50.0				50	750	58.1	64.5	102.0			

Note: Symbols in Brackets [ ] indicate Unified Soils Classification.

CLAY SILT SAND ORGANIC

*140 lb. hammer dropped 30 inches on 2 inch splitspoon sampler after first being seated 6 inches

REMARKS: Water Table Depth = 5.1 ft (See Text)

GORE ENGINEERING, INC.

Soil and Foundation Investigations
Metairie, Louisiana

Job No. 6717

Boring No. GAR-16U

LOG OF BORING AND TEST RESULTS

Date Boring Drilled: 13 April 1998

Project: GARDERE CANAL IMPROVEMENTS - PHASE II - BROWN AVENUE TO EIGHTH STREET - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA

Recorded By: Don Tusa

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (feet)	UNCONFINED COMPRESSION (Qu) (lbs./sq.ft.)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
			.0				0							
1	.0	.5	1.0	VERY STIFF BROWN CLAY [CH]										
2	1.5	2.0		VERY STIFF BROWN & GRAY CLAY [CH]				4835	30.6	88.7	115.9			
			3.0											
3	3.5	4.0		STIFF TAN & GRAY CLAY [CH] W/ SILT				2740	38.8	79.3	110.0			
4	5.5	6.0	6.0				5	2305	40.8	76.9	108.3	52	12	40
5	7.5	8.0		MEDIUM STIFF TAN & GRAY CLAY [CH] W/ SILT				1565	35.4	81.4	110.2			
			9.0											
6	9.5	10.0					10	505	106.2	40.8	84.1			
7	11.5	12.0		VERY SOFT GRAY CLAY [CH] W/ WOOD & ORGANIC CLAY LAYERS				330	112.6	40.8	86.8	139	31	108
8	14.5	15.0					15	240	101.9	43.7	88.2			
			17.5											
9	19.5	20.0		VERY SOFT DARK GRAY ORGANIC CLAY [OH] W/ TRACE WOOD			20	485	183.2	27.4	77.7			
			21.0											
10	21.5	22.0												
11	24.5	25.0					25	570	96.5	46.2	90.8			
12	29.5	30.0					30	825	38.9	77.6	107.8			
13	34.5	35.0		VERY SOFT TO SOFT GRAY CLAY [CH]			35							
14	39.5	40.0					40	545	52.6	68.0	103.8			
15	44.5	45.0					45							
16	49.5	50.0	50.0				50	820	63.5	61.2	100.0			

Note: Symbols in Brackets [ ] indicate Unified Soils Classification.

CLAY SILT SAND ORGANIC

*140 lb. hammer dropped 30 inches on 2 inch splitspoon sampler

REMARKS: Water Table Depth = 5.5 ft (See Text)

GORE ENGINEERING, INC.

Soil and Foundation Investigations
Metairie, Louisiana

Job No. 6717

Boring No. GAR-17U

LOG OF BORING AND TEST RESULTS

Date Boring Drilled: 13 April 1998

Project: GARDERE CANAL IMPROVEMENTS - PHASE II - BROWN AVENUE TO EIGHTH STREET - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA

Recorded By: D.A. Hill

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (feet)	UNCONFINED COMPRESSION (Qu) (lbs./sq.ft.)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
			.0				0							
1	.0	.5	1.0	STIFF BROWN CLAY [CH] W/ SILT										
2	1.5	2.0	2.0	STIFF TAN & GRAY CLAY [CH] W/ SILT				6670	24.8	89.6	111.8			
3	3.5	4.0		MEDIUM STIFF TAN & GRAY CLAY [CH] W/ SILT				1440	52.0	67.9	103.2			
			5.0				5							
4	5.5	6.0		SOFT TO MEDIUM STIFF GRAY CLAY [CH] W/ ORGANIC CLAY LAYERS				1355	61.3	61.7	99.5	103	45	58
5	7.5	8.0						885	112.7	40.1	85.3			
			9.0											
6	9.5	10.0		VERY SOFT GRAY CLAY [CH] W/ WOOD & ORGANIC			10	315	90.4	47.6	90.6			
7	11.5	12.0	12.0					335	109.9	41.5	87.2	141	104	37
8	14.5	15.0		VERY SOFT GRAY ORGANIC CLAY [OH]			15	475	150.4	32.5	81.5			
			17.5											
9	19.5	20.0		LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND [SM]			20	1500*	30.7	86.7	113.3			
10	24.5	25.0					25	955	31.3	86.1	113.0			
			27.5											
11	29.5	30.0					30	380	63.9	60.0	98.3			
12	34.5	35.0					35							
13	39.5	40.0		VERY SOFT TO SOFT GRAY CLAY [CH] W/ SILT			40	490	69.9	56.2	95.4			
14	44.5	45.0					45							
15	49.5	50.0	50.0				50	685	70.8	55.6	94.9			

Note: Symbols in Brackets [ ] indicate Unified Soils Classification.

CLAY SILT SAND ORGANIC

*140 lb. hammer dropped 30 inches on 2 inch splitspoon sampler after first being seated 6 inches

REMARKS: Water Table Depth = 1.4 ft (See Text)
Free Water Depth = 10.0 ft (See Text)

GORE ENGINEERING, INC.

Job No. 6717

Soil and Foundation Investigations
Metairie, Louisiana

Boring No. GAR-18U

LOG OF BORING AND TEST RESULTS

Date Boring Drilled: 18 April 1998

Project: GARDERE CANAL IMPROVEMENTS - PHASE II - BROWN AVENUE TO EIGHTH STREET - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA

Recorded By: Don Tusa

Sample No.	SAMPLE Depth in Feet		STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (feet)	UNCONFINED COMPRESSION (Qu) (lbs./sq.ft.)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	UNIT WEIGHT (lbs./cu.ft.) WET	ATTERBERG LIMITS L.L.	ATTERBERG LIMITS P.L.	ATTERBERG LIMITS P.I.
1			.0	VERY STIFF BROWN HUMUS [Pt]			0							
			1.0											
2		2.0		VERY STIFF BROWN & GRAY CLAY [CH]				5920	35.5	80.0	108.4			
			3.0											
3		4.0		MEDIUM STIFF DARK GRAY & TAN CLAY [CH]				1455	53.9	66.5	102.3			
			4.5				5							
4	5.5			MEDIUM STIFF DARK GRAY ORGANIC CLAY [OH]				1030	104.4	42.8	87.5			
			6.5											
5	7.5			VERY SOFT GRAY CLAY [CH] W/ ORGANIC				355	91.2	48.6	92.9			
			8.0											
6	9.5	10.0					10	410	153.8	32.8	83.3			
7	11.5	12.0		VERY SOFT DARK GRAY ORGANIC CLAY [OH] W/ HUMUS				200	181.5	28.5	80.2	242	62	180
8	14.5	15.0					15							
9	16.5			VERY SOFT GRAY CLAY [CH] W/ TRACE ORGANIC				310	76.7	54.4	96.1			
10	18.0		18.0											
11	18.5			LOOSE TO MEDIUM DENSE GRAY SILTY FINE SAND [SM]	29		20		23.2				(25)	
			23.5											
12							25							
13	29.5						30	570	49.9	68.5	102.7			
14	34.5						35							
				VERY SOFT TO SOFT GRAY CLAY [CH] W/ SAND LENSES & LAYERS										
15	39.5						40	455	72.7	56.1	96.9	86	27	59
16	44.5						45							
17	49.5	50.0	50.0				50	600	61.0	64.2	103.3			

Note: Symbols in Brackets [ ] indicate Unified Soils Classification.

NOTE: VALUES IN PARENTHESES ( ) INDICATE PERCENT PASSING NO. 200 SIEVE.

CLAY SILT SAND ORGANIC

*140 lb. hammer dropped 30 inches on 2 inch splitspoon sampler

REMARKS: Water Table Depth = 5.1 ft (See Text)

GORE ENGINEERING, INC.

Job No. 6717

Soil and Foundation Investigations
Metairie, Louisiana

Boring No. GAR-19U

LOG OF BORING AND TEST RESULTS

Date Boring Drilled: 14 April 1998

Project: GARDERE CANAL IMPROVEMENTS - PHASE II - BROWN AVENUE TO EIGHTH STREET - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA

Recorded By: Don Tusa

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (feet)	UNCONFINED COMPRESSION (Qu) (lbs./sq.ft.)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
1	.0	.5	.0	VERY STIFF BROWN & GRAY CLAY [CH]			0							
2	1.5	2.0	1.5	MEDIUM STIFF BROWN CLAY [CH]				1795	81.7	46.2	84.0			
3	3.5	4.0	2.5	SOFT DARK GRAY & TAN CLAY [CH] W/ ORGANIC				650	90.2	46.7	88.9			
4	5.5	6.0	4.0	VERY SOFT GRAY ORGANIC CLAY [OH]			5							
5	7.5	8.0						175	171.1	29.3	79.4	326	73	253
6	9.5	10.0	8.5	VERY SOFT BROWN HUMUS [Pt]			10	185	225.6	22.8	74.3			
7	11.5	12.0	10.0	VERY SOFT DARK GRAY & BROWN ORGANIC CLAY [OH]				80	148.0	33.1	82.1			
8	14.5	15.0	12.0	VERY SOFT GRAY CLAY [CH] W/ SILT & TRACE ORGANIC			15	195	47.7	74.4	109.9	55	25	30
9	19.5	20.0	18.0	LOOSE GRAY SILTY FINE SAND [SM]			20	740	30.8	90.8	118.8			
10	24.5	25.0	22.0				25							
11	29.5	30.0					30	355	42.8	76.1	108.7	46	21	25
12	34.5	35.0		VERY SOFT GRAY CLAY [CH] W/ SILT			35							
13	39.5	40.0					40	415	66.3	59.7	99.2			
14	44.5	45.0					45							
15	49.5	50.0	50.0				50	425	78.9	52.6	94.1			

Note: Symbols in Brackets [ ] Indicate Unified Soils Classification.

CLAY SILT SAND ORGANIC

*140 lb. hammer dropped 30 inches on 2 inch splitspoon sampler after first being seated 6 inches

REMARKS: Water Table Depth = .5 ft (See Text)
Free Water Depth = 8.0 ft (See Text)

GORE ENGINEERING, INC.

Soil and Foundation Investigations
Metairie, Louisiana

Job No 6717

Boring No. GAR-20U

LOG OF BORING AND TEST RESULTS

Date Boring Drilled: 14 April 1998

Project: GARDERE CANAL IMPROVEMENTS - PHASE II - BROWN AVENUE TO EIGHTH STREET - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA

Recorded By: Don Tusa

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (feet)	Unconfined compression tsf (lbs./sq. ft.)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu. ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
1	.0	.5	.0	VERY STIFF BLACK HUMUS [Pt]			0							
2	1.5	2.0	1.0	STIFF BROWN & GRAY CLAY [CH] W/ HUMUS				2020	65.9	48.2	80.0			
3	3.5	4.0	2.0	MEDIUM STIFF TAN & DARK GRAY CLAY [CH] W/ ORGANIC				1370	68.1	57.4	96.5			
4	5.5	6.0	4.5	VERY SOFT DARK GRAY & TAN ORGANIC CLAY [OH]			5	340	126.1	36.7	83.0			
5	7.5	8.0	6.0	VERY SOFT TO SOFT GRAY CLAY [CH] W/ ORGANIC CLAY LAYERS				320	103.7	43.5	88.7			
6	9.5	10.0					10	560	134.3	35.8	83.8	171	97	74
7	11.5	12.0						235	101.9	43.5	87.9			
8	14.5	15.0	13.0	SOFT BROWN HUMUS [Pt] W/ SOME GRAY CLAY			15	525	284.3	18.7	72.0			
9	16.5	17.0	15.0	VERY SOFT GRAY CLAY [CH] W/ SILT LENSES				350	41.7	75.6	107.1			
10	19.5	20.0	18.5	LOOSE GRAY CLAYEY SILT [ML] W/ SOME CLAY			20		38.2				(99)	
11	24.5	25.0	25.0				25		28.2					
12	26.0	26.5												
13	29.5	30.0					30	300	54.1	66.1	101.9			
14	34.5	35.0		VERY SOFT TO SOFT GRAY CLAY [CH] W/ SILT LENSES			35							
15	39.5	40.0					40	670	72.3	54.7	94.2			
16	44.5	45.0					45							
17	49.5	50.0	50.0				50	775	70.7	55.1	94.1			

Note: Symbols in Brackets [ ] indicate Unified Soils Classification.

NOTE: VALUES IN PARENTHESES ( ) INDICATE PERCENT PASSING NO. 200 SIEVE.

CLAY SILT SAND ORGANIC

Predominant Type Bold. Modifying Type Light.

*140 lb. hammer dropped 30 inches on 2 inch splitspoon sampler after first being seated 6 inches.

REMARKS: Water Table Depth = 4.1 ft (See Text)
Free Water Depth = 8.0 ft (See Text)

Fig. 10

GORE ENGINEERING, INC.

Soil and Foundation Investigations
Metairie, Louisiana

Job No. 6717

Boring No. GAR-21U

LOG OF BORING AND TEST RESULTS

Date Boring Drilled: 14 April 1998

Project: GARDERE CANAL IMPROVEMENTS - PHASE II - BROWN AVENUE TO EIGHTH STREET - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA

Recorded By: Don Tusa

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (feet)	UNCONFINED COMPRESSION (lbs./sq.ft.)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
1	.0	.5	.0	VERY STIFF BROWN HUMUS [Pt]			0							
			1.0											
2	1.5	2.0		VERY STIFF BROWN & GRAY CLAY [CH] W/ HUMUS					57.6					
			3.0											
3	3.5	4.0		MEDIUM STIFF TO STIFF GRAY & TAN CLAY [CH] W/ ORGANIC			5							
4	5.5	6.0	6.0					1735	38.1	79.7	110.0			
5	7.5	8.0		MEDIUM STIFF DARK GRAY & TAN CLAY [CH] W/ HUMUS				1255	53.8	63.0	96.9			
6	9.5	10.0	10.5				10	905	87.3	49.5	92.8	131	40	91
7	11.5	12.0		VERY SOFT DARK GRAY ORGANIC CLAY [OH]				90	173.8	29.1	79.7			
			13.0											
8	14.5	15.0		VERY SOFT BROWN HUMUS [Pt]			15	200	233.8	22.4	74.7			
			17.5											
9	19.5	20.0		SOFT GRAY CLAY [CH] W/ SILT LENSES			20	640	32.6	84.0	111.4			
			23.0											
10	24.5	25.0		LOOSE GRAY SILTY FINE SAND [SM]			25	985	31.3	88.8	116.6			
			28.5											
11	29.5	30.0					30							
12	34.5	35.0					35	385	74.7	55.0	96.0	91	31	60
13	39.5	40.0		VERY SOFT TO SOFT GRAY CLAY [CH] W/ SILT			40	610	74.0	55.3	96.3			
14	44.5	45.0					45							
15	49.5	50.0	50.0				50	445	72.8	55.0	95.1			

Note: Symbols in Brackets [ ] indicate Unified Soils Classification.

CLAY SILT SAND ORGANIC

Predominant Type Bold Modifying Type Light

*140 lb. hammer dropped 30 inches on 2 inch splitspoon sampler after first being seated 6 inches.

REMARKS: Water Table Depth = 6.2 ft (See Text)

GORE ENGINEERING, INC.

Soil and Foundation Investigations
Metairie, Louisiana

Job No. 6717

Boring No. GAR-22U

LOG OF BORING AND TEST RESULTS

Date Boring Drilled: 21 April 1998

Project: GARDERE CANAL IMPROVEMENTS - PHASE II - BROWN AVENUE TO EIGHTH STREET - JEFFERSON PARISH, LOUISIANA
MEYER ENGINEERS, LTD. - CONSULTING ENGINEERS - METAIRIE, LOUISIANA

Recorded By: Tim McGovern

Sample No.	SAMPLE Depth in Feet From	To	STRATUM Depth in Feet	VISUAL CLASSIFICATION	*Blows per Foot	Symbol Log	Scale (feet)	UNCONFINED COMPRESSION (Qu) (lbs./sq.ft.)	WATER CONTENT (percent)	UNIT WEIGHT (lbs./cu.ft.) DRY	WET	ATTERBERG LIMITS L.L.	P.L.	P.I.
1	.0	.5	.0	MEDIUM STIFF BROWN CLAY W/ TRACE ORGANIC & ROOTS			0							
			1.0											
2	1.5	2.0	2.0	STIFF BROWN & GRAY CLAY W/ SILT				1930	41.7	68.0	96.4			
3	3.5	4.0	4.5	MEDIUM STIFF GRAY & TAN CLAY W/ SILT & TRACE ORGANIC				2650	39.6	78.0	108.9			
4	5.5	6.0					5	935	104.5	44.0	90.0	138	51	87
5	7.5	8.0						425	129.2	37.7	86.3			
6	9.5	10.0					10	695	155.6	32.1	82.0	196	130	66
				SOFT DARK GRAY & BROWN ORGANIC CLAY										
7	11.5	12.0		W/ CLAY LAYERS				555	251.3	19.8	69.5			
8	14.5	15.0					15	670	148.0	33.7	83.5			
			18.0											
9	19.5	20.0		VERY SOFT TO SOFT GRAY CLAY W/ SILT LENSES & LAYERS			20	400	52.4	67.8	103.4			
			22.5											
10	24.5	25.0					25	920	28.5	90.4	116.1			
				LOOSE GRAY SILTY FINE SAND W/ CLAY LAYERS										
11	29.5	30.0					30	655	35.2	83.8	113.3	33	--	NP
			32.5											
12	34.5	35.0					35							
13	39.5						40	570	69.3	58.1	98.3			
				SOFT GRAY CLAY W/ SAND & SILT LENSES & LAYERS										
14	44.5						45							
15	49.5	50.0	50.0				50	595	76.4	57.1	100.8			

CLAY SILT SAND ORGANIC

*140 lb. hammer dropped 30 inches on 2 inch splitspoon sampler after first being seated 6 inches.

REMARKS: