

A000679B

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28

CELMN-CD-CS (1180-1-1q)

20 Feb 97

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Contract Number DACW29-94-C-0079, Lake Pontchartrain, Louisiana and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana, B & K Construction Company, Incorporated, **Labor Charge Nos. BEC2131C1L10LML and BEC2131B0L10LML**

1. All Const Div labor charges associated with subject labor charge numbers are complete. This contract was finalized 02/18/97. Therefore, no further charges should be charged to subject labor charge numbers after 02/18/97.
2. We request that Const Div timekeepers remove these labor charge numbers from CETAL and that the project manager deactivate these labor charge numbers at the beginning of the pay period following 02/18/97.
3. POC is Judy Ulm, ext. 2944.

Richard T. Hill
RICHARD T. HILL
Chief, Construction Division

DISTRIBUTION:

CELMN-CD-NO (Duhon)
CELMN-CD-NO (Timekeeper)
CELMN-CD-B (Timekeeper)
CELMN-CD-QS (Alloy)
CELMN-CD-QS (Freedman)
CELMN-CD-CS (Schick)
CELMN-CD-CS (Patrick)
CELMN-PM-M (B.Cottone)

B-28
Contract file
94C0079
nd

N

MEMORANDUM THRU C/Const Div ATTN: Const Mgmt Sec

FOR C/Contr Div ATTN: Const Svc Sec (Contract File)

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Blvd. Floodwall, Orleans Parish, Louisiana

Enclosed for inclusion in the contract file is backup data in support of the final quantities listed below for unit price items on the subject contract:

Item No.	Description	Estimated Quantity	Actual Quantity
0007	Fertilizing, Seeding & Mulching (Based on field measurements)	8 AC	9.42 AC
0011	Piling, Steel Sheet, Type PZ-22 (Based on field measurements)	187,844 SF	187,414.4 SF
0012	Piling, Steel Sheet, Type PSA-23 (Based on field measurements)	997 SF	719.49 SF
0015	Concrete Slope Pavement (Based on field measurements)	188 SY	140.5 SY
0019	Erosion Control		
	AA. First 10,670 Linear Feet	10,670 LF	10,670 LF
	AB. All Over 10,670 Linear Feet	2,700 LF	555 LF

CHESTER ASHLEY
Area Engineer
New Orleans Area Office

CF: w/encl
Proj Engr (Wagner)
Ofc Engr (Urban)
CELMN-ED-DL

File 028

23 Jan 97

MEMORANDUM THRU C/Const Div ATTN: Const Mgmt Sec *AS*

FOR C/Contr Div ATTN: Const Svc Sec (Contract File)

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Blvd. Floodwall, Orleans Parish, Louisiana

Enclosed for inclusion in the contract file is backup data in support of the final quantities listed below for unit price items on the subject contract:

Item No.	Description	Estimated Quantity	Actual Quantity
0007	Fertilizing, Seeding & Mulching (Based on field measurements)	8 AC	9.42 AC
0011	Piling, Steel Sheet, Type PZ-22 (Based on field measurements)	187,844 SF	187,414.4 SF
0012	Piling, Steel Sheet, Type PSA-23 (Based on field measurements)	997 SF	719.49 SF
0015	Concrete Slope Pavement (Based on field measurements)	188 SY	140.5 SY
0019	Erosion Control		
	AA. First 10,670 Linear Feet	10,670 LF	10,670 LF
	AB. All Over 10,670 Linear Feet	2,700 LF	555 LF

Chester Ashley

CHESTER ASHLEY
Area Engineer
New Orleans Area Office

CF: w/encl
Proj Engr (Wagner)
Ofc Engr (Urban)
CELMN-ED-DL

135

JAN 27 1997

Contract No. DACW29-94-C-0079, Lake Pontchartrain, LA and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Ave. to Leon C. Simon Blvd. Floodwall, Orleans Parish, LA

DATA IN SUPPORT OF FINAL QUANTITIES

Item No. 7 Fertilizing, Seeding and Mulching

This item was applied on all newly constructed embankments on the east and west sides of the canal in addition to all disturbed areas within the construction limits. West bank total includes staging and storage areas.

East Bank Total = $\frac{169,087 \text{ SF}}{43,560}$ = 3.88 Acres

West Bank Total = $\frac{241,419.4 \text{ SF}}{43,560}$ = 5.54 Acres

Total = 9.42 Acres

Item No. 11 Piling, Steel Sheet, Type PZ-22

These piling were driven between the following stations:

West Bank Area including collars:

a. From Sta. 70+47 to Sta. 84+54 W B/L:

Area Driven = 786 pcs x 1.804' x 21.75 ft = 30,840.28 SF

b. From Sta. 85+90 to Sta. 100+32 W B/L:

Area Driven = 803 pcs x 1.804' x 20.25 ft = 29,334.39 SF

c. From Sta. 100+32 to Sta. 100+56 W B/L:

Area Driven = 13 pcs x 1.804' x 26.25 ft = 615.61 SF

d. From Sta. 100+56 to Sta. 101+73 W B/L:

Area Driven = 65 pcs x 1.804' x 25.75 ft = 3,019.44 SF

e. From Sta. 101+73 to Sta. 119+63 W B/L:

Area Driven = 993 pcs x 1.804' x 21.75 ft = 38,962.34 SF

Subtotal = 102,772.06 SF

Item No. 11 Piling, Steel Sheet, Type PZ-22 (cont.)

East Bank Area including collars:

- a. From Sta. 70+26 to Sta. 84+30 E B/L:
Area Driven = 780 pcs x 1.804' x 24.75 ft = 30,604.86 SF
 - b. From Sta. 102+67 to Sta. 115+00 E B/L:
Area Driven = 684 pcs x 1.804' x 24.75 ft = 30,539.92 SF
 - c. From Sta. 115+00 to Sta. 119+02 E B/L:
Area Driven = 225 pcs x 1.804' x 26.75 ft = 10,857.83 SF
 - d. From Sta. 120+48 to Sta. 126+65 E B/L:
Area Driven = 346 pcs x 1.804' x 20.25 ft = 12,639.73 SF
- Subtotal = 84,642.34 SF
- TOTAL = 187,414.40 SF

Item No. 12 Piling, Steel Sheet, Type PSA-23

These fabricated piling were placed at the following locations:

- a. Mirabeau Collar ----> 2.42 ft x 21.75 ft = 52.63 SF
(Sta. 70+47 W B/L)
 - b. Filmore Collar ----> 3.53 ft x 21.75 ft = 76.78 SF
(Sta. 85+56 W B/L)
 - c. Filmore Collar ----> 2.65 ft x 20.25 ft = 53.66 SF
(Sta. 85+90 W B/L)
 - d. R.E. Lee Collar ----> 3.8 ft x 21.75 ft = 82.65 SF
(Sta. 119+65 W B/L)
 - e. Mirabeau Collar ----> 4.82 ft x 21.75 ft = 104.84 SF
(Sta. 70+26 E B/L)
 - f. Filmore Collar ----> 3.88 ft x 21.75 ft = 84.39 SF
(Sta. 84+30 E B/L)
 - g. Pump Sta. Collar ---> 4.87 ft x 24.75 ft = 120.53 SF
(Sta. 102.67 E B/L)
 - h. R.E. Lee Collar ----> 3.09 ft x 26.75 ft = 82.66 SF
(Sta. 119+02 E B/L)
 - i. R.E. Lee Collar ----> 1.33 ft x 20.25 ft = 26.93 SF
(Sta. 120+39 E B/L)
 - j. L.C. Simon Collar --> 1.70 ft x 20.25 ft = 34.42 SF
(Sta. 126+69 E B/L)
- TOTAL = 719.49 SF

Item No. 15 Concrete Slope Pavement

This item was placed between Sta. 100+39 W/L and Sta. 102+81 W/L on the west side of the canal along the floodside of the new floodwall.

$$5.22 \text{ LF} \times 242 \text{ ft} = \frac{1,264.45}{9} = 140.5 \text{ SY}$$

Item No. 19 Erosion Control

This item (silt curtain) was placed over the entire length of the job attached to the safety fence on the protected side toe of the levee embankment.

$$11,225 \text{ LF} \times \$2.00 = \$22,450.00$$

CELMN-CD-CS

21 Jan 97

MEMORANDUM FOR Chief/Programs and Project Mgt Div
Attn: Beth Cottone

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain, Louisiana and Vicinity; London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

1. Forwarded for your action is 6 Jan 97 Orleans Levee District letter regarding a report of damage to the property of Ethel Coleman who resides at 5314 Windair Drive, New Orleans, Louisiana 70122.
2. The contractor for the above subject contract has performed all operations for constructing the floodwall in accordance with the plans and specifications. We are not aware of any negligence on the part of the contractor while working on this project.
3. POC for this matter is Al Schick, x2906.

Atch
CF:
CELMN-CD-NO-Q (Wagner)

Richard T. Hill
Chief, Construction Div

Gr
BREERWOOD
CELMN-CD-CS
WRM
MARSALIS
CELMN-CD-C
out
HILL
CELMN-CD

B28
JAN 21 1997

CELMN-CD-NO-Q

15 Jan 97

MEMORANDUM FOR C/Const Div

SUBJECT: DACW29-94-C-0079, Lake Pontchartrain, Louisiana and Vicinity, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

1. Forwarded for your action is 6 Jan 97 O.L.D. letter regarding damage report from the residence at 5314 Wildair Drive.
2. The house in question is located three blocks away from where floodwall was constructed. The contractor has performed all operations for constructing the floodwall in accordance with the plans and specifications. We are unaware of any negligence on the part of the contractor while working on this project.
3. POC for this matter is Chris Wagner, X1222.

CHESTER ASHLEY
Area Engineer
New Orleans Area Office

CF:
Proj Engr (Wagner)
CELMN-CD-CS (Schick)✓

JAN 17 1997

The Board of Commissioners

OF THE

Orleans Levee District

SUITE 202 - ADMINISTRATION BUILDING

6001 STARS AND STRIPES BLVD.

New Orleans, La.

70126-8006

TEL 504-243-4000

PROTECTING YOU
AND YOUR FAMILY



January 6, 1997

Mr. Chester Ashley
CELMN-CD-NO
U. S. Army Corps of Engineers
P. O. Box 60267
New Orleans LA 70160-0267

RE: OLB Project No. 24906
London Avenue Canal Contract #3
Report of Damage

Dear Sir:

We have received a verbal report of possible damage from Ethel Coleman; 5314 Wildair Drive; New Orleans, LA 70122 (248-3819 - work, 288-7515 - home). She reports cracks in her plaster ceilings.

Please have the contractor take appropriate action.

Sincerely,

Stevan G. Spencer, P.E.
Chief Engineer

SGS:FPM:pns

xc: Gary Benoit, Acting General Counsel
Auxiliary Services
Adam Mehn, Burk-Kleinpeter, Inc.
Ethel Coleman

RECEIVED AT
JAN 8 1997
N. O. A. O.

July 8, 1996

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079 Lake Pontchartrain, Louisiana and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

An analysis of rainfall data for your contract from June 1, 1996 through June 30, 1996, has been made. Since the contract has reached the original date set for completion (February 7, 1996), any time extensions granted for unusually severe weather and the effects thereof will be granted on a day for day basis. This is done because neither normal weather nor unusually severe weather on days beyond the original contract completion date have been addressed by either the contract or any previous time extensions. For this reason, consideration must be given to the addition of 15 calendar days to your contract.

These additional 15 days will be incorporated into your contract by formal modification at a later date.

If you disagree with this determination, please contact this office within 10 calendar days.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

CF:
CELMN-CD-NO-Q (Wagner)
CELMN-CD-NO-E (Urban)
CELMN-CTA ✓
CELMN-CD-CS (Schick)

B28

June 6, 1996

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain, Louisiana and Vicinity, High Level Plan, London Avenue Outfall Canal, Paralel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

An analysis of rainfall data for your contract from May 1, 1996 through May 31, 1996 has been made. Since the contract has reached the original date set for completion (February 7, 1996), any time extensions granted for unusually severe weather and the effects thereof will be granted on a day for day basis. This is done because neither normal weather nor unusually severe weather on days beyond the original contract completion date have been addressed by either the contract or any previous time extensions. For this reason, consideration must be given to the addition of 7 calendar days to your contract.

These additional 7 days will be incorporated into your contract by formal modification at a later date.

If you disagree with this determination, please contact this office within 10 calendar days.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

Enclosure

CF:
CELMN-CD-NO-Q (Wagner)
CELMN-CD-NO-E (Urban)
✓ CELMN-CT
CELMN-CD-CS (Shick)

B - 1

April 4, 1996

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain, Louisiana and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

An analysis of rainfall data for your contract from March 1, 1996 through March 31, 1996 has been made. Since the contract has reached the original date set for completion (February 7, 1996), any time extensions granted for unusually severe weather and the effects thereof will be granted on a day for day basis. This is done because neither normal weather nor unusually severe weather on days beyond the original contract completion date have been addressed by either the contract or any previous time extensions. For this reason, consideration must be given to the addition of 12 calendar days to your contract.

These additional 12 days will be incorporated into your contract by formal modification at a later date.

If you disagree with this determination, please contact this office within 10 calendar days.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

Enclosure

CF:
CELMN-CD-NO-Q (Wagner)
CELMN-CD-NO-E (Urban)
CELMN-CT ✓
CELMN-CD-CS (Schick)

B-28

February 9, 1996

New Orleans Area Office

SUBJECT: DACW29-94-C-0079, Lake Pontchartrain, Louisiana and Vicinity, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

This letter is in regards to tree trimming near Filmore Avenue behind the resident's house at 5245 Pratt Drive on the subject contract.

As per conversation with Mr. Dennis Duhon of my staff and your Mr. Mike Tassin on January 31, 1996, you are to proceed with tree trimming activities as outlined in the plans and specifications. Mr. Breaud threatening a law suit does not constitute stopping work on the contract. However, to assist matters, I request you notify me when your subcontractor will perform work in the area so I can have the appropriate personnel on site in the event a problem does occur.

If you have any further questions, contact Mr. Duhon at 862-1212.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

CF:
Proj Engr (Wagner)
Proj Insp (Bryant)

DUHON
CEL MN-CD-NO-
HABBAZ
CEL MN-CD_NO
BERNARD
CEL MN-CD_NO
ASHLEY
CEL MN-CD-NO

B-28



CONSTRUCTION COMPANY, INC.

January 31, 1996

FAXED AND MAILED

Mr. Chester Ashley, Contracting Officer
U.S. Army Corps of Engineers
New Orleans District
P.O. Box 60167
New Orleans, LA 70160-0267

RE: CONTRACT NO. DACW29-94-C-0079
LAKE PONTCHARTRAIN & VICINITY
HIGH LEVEL PLAN, LONDON AVENUE
OUTFALL CANAL, PARALLEL
PROTECTION MIRABEAU AVE TO LEON
C. SIMON BLVD FLOODWALL -
ORLEANS PARISH, LA
B & K JOB NO. 9402

Dear Mr. Ashley:

On March 3, 1995 our Subcontractor, Bayou Tree Service, began the tree trimming on the West Bank between Mirabeau Avenue and Filmore Avenue. All work was completed at that time with the exception of the last 150' near Filmore Avenue, due to a resident complaint from Mr. Danny Breaud of 5245 Pratt Drive. Work was stopped at that time pending consultation with the Orleans Levee Board.

On January 18, 1996, Bayou Tree Service, returned to the jobsite to trim trees and limbs on the West Bank between Mirabeau Avenue and Filmore Avenue. Mr. Danny Breaud claiming that the trunk of the oak tree lies on his property and again threatened the crew of Bayou Tree Service with a law suit if they trimmed any limbs. The limbs of this oak tree, which hang 20 feet over the construction easement and which are not on Mr. Breaud's property, must be trimmed to facilitate construction of the new floodwall. The Orleans Levee Board was again contacted.

Bayou Tree Service has agreed to complete their work as long as guard services (i.e., Sheriff's Deputies) are provided.

RECEIVED
JAN 31 1996
10:00 AM
M. J. ...

Mr. Chester Ashley
Contracting Officer/USACOE
January 31, 1996
Page Two

We ask for your assistance in resolving this matter immediately so that we may proceed with our work in accordance with our schedule.

Sincerely,
B & K CONSTRUCTION CO., INC.

A handwritten signature in cursive script that reads "H. B. Kenyon" followed by a stylized monogram "JKL".

H. B. Kenyon,
President

/kl

cc: Orleans Levee Board
Mr. Mike Tassin
Mr. Dave Garrity - Bayou Tree Service

January 26, 1996

New Orleans Area Office

SUBJECT: Contract Number DACW29-94-C-0079, Lake Pontchartrain, Louisiana and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Robert E. Lee Blvd., West Bank; Mirabeau Avenue to Leon C. Simon Blvd., East Bank Floodwall, Orleans Parish, Louisiana, CIN 09

B&K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

This is to advise you of changes in the scope of work for CIN 09. The neoprene cover to protect the exposed three bulb water stops on either side of the deleted monolith is changed from 1/2 inch thick to 1/4 inch thick. Also, the six steel bars holding the neoprene in place is changed from corrosion resistance steel to A-36 steel painted with 8 mils of coal tar epoxy.

Please resubmit your proposal no later than February 7, 1996.

Sincerely,

Chester Ashley
Administrative Contracting Officer

CF:
CELMN-CD-CS
CELMN-CT ✓
Project Engr (Wagner)
Office Engr (Perez)

MR. WAGNER/1a/1222

November 8, 1995

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

~~DUHON~~
CEL MN-CD-NO-Q

~~HABBAZ~~
CEL MN-CD-NO

~~BERNARD~~
CEL MN-CD-NO

~~ASHLEY~~
CEL MN-CD-NO

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

This is in reference to your letter dated October 25, 1995, regarding your request to open 1,500 feet of levee after November 30, 1995.

Technical Provision paragraph C2H-5.1 and SPECIAL CLAUSE H-31 states that the maximum length of temporary protection or cofferdam below the height of the existing floodwall permitted at any one time is 750 linear feet. Therefore, I do not plan to modify the contract and your request is denied.

If you have any questions regarding this matter, contact Mr. Dennis Duhon at 862-1212 or Mr. Chris Wagner at 862-1222.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

Enclosure

CF:

Proj Engr (Wagner)
Proj Insp (Bryant)
Supv Civ Engr (Duhon)

NOV 9 1995

B28



CONSTRUCTION COMPANY, INC.

October 25, 1995

Department of the Army
New Orleans District Corps of Engineers
P. O. Box 60267
New Orleans, LA 70160-0267

Attn: Mr. Chester Ashley

Re: Contract No. DACW 29-94-C0079
London Avenue Outfall Canal
Mirabeau Ave. to Robert E. Lee
B&K Job No. 9402

Gentlemen:

As we now have two sheet piling crews on the project and the hurricane season is coming to a close, we respectfully request we be allowed to open 1500 feet of levee rather than the 750 feet required by our contract after November 30, 1995.

Yours very truly,

B & K CONSTRUCTION COMPANY, INC.

H. B. Kenyon
President

HBK:mv
Encl.

cc: Mr. Fidel Perez, USACOE
Mr. Mike Tassin, B&K Construction

COE1025

ROUTING SLIP - ACTION/SUSPENSE COPY
 - SUSPENSE DATE:

CELMN-CD-NO	INITIAL	DATE
ASHLEY	<i>[Handwritten Signature]</i>	
BERNARD		
HABBAZ		
TUCKER		
SMITH		
ADAMS		

CELMN-CD-NO-E - OFFICE ENGINEER

MORTON		
PEREZ		
SMILEY		
URBAN		
BRUNO		
HAGAN		
BLACKSTOCK		

CELMN-CD-NO-Q - LWR MISS RIVER & NO - VEN HP

FOGARTY		
GOINS		
DAVIS, D.		
CARR		
BLANCHARD		

CELMN-CD-NO-Q - LAKE PONT & CHAL AREA HP

(2) *No!*

DUHON		
BOUDREAUX		
WAGNER		
DAVIS, A.		
HARTLEY		

CELMN-CD-NO-Q - BY BONFOUCA RES OFC

MORGAN		
MONTEGUT		
BRAKEL		
SHERMAN		
SMALLWOOD		

CELMN-CD-NO-Q - SWP & VICINITY

HINKAMP		
BURGESS, C.		
DERBES		
HUTSON		
SCARABIN		

CELMN-CD-NO-Q - UPR MISS RIVER & W JEFF HP

CRUMHOLT		
LAUTO		

CONST DIV, CONST MGMT SEC
 (FOR THE CONTRACT FILE)

NOAO FILE

REMARKS:

MR. WAGNER/1222/1a

November 1, 1995

~~DUHON~~
CEL MN-CD-NO-Q

New Orleans Area Office

HABBAZ
CEL MN-CD-NO

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

BERNARD
CEL MN-CD-NO

ASHLEY
CEL MN-CD-NO

**B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448**

Gentlemen:

Reference enclosed Contract Deficiency Number Two dated October 30, 1995. You are in violation of Special Clause H-23, PERMISSABLE HOURS OF OPERATION, which states that "No work shall be done between 6 p.m. and 7:30 a.m." Due to the time it takes you to complete concrete placement for a monolith, you are not to begin placement after 4 p.m.

If you have any questions regarding this matter, contact Mr. Dennis Duhon at 862-1212 or Mr. Chris Wagner at 862-1222.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

Enclosure

CF:

Proj Engr (Wagner)
Proj Insp (Brognia)
CEL MN-CD-CS
Supv Civ Engr (Duhon)

NOV 2 1995

B-28

NOTICE OF CONTRACT DEFICIENCY

JOB DEFICIENCY NO. 002

SAME SUBJECT DEFICIENCY NO. 002

CONTRACTOR: B&K Construction Co., Inc., 1905 Highway 59, Mandeville, La.

JOB: Lake Pontchartrain, La. and Vicinity, London Ave. Canal, Contract #03, Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

LOCATION:

DEFICIENCIES NOTED: The contractor worked in violation of Special Clause H-23, Permissible Hours of Operation, in that he completed the placement of east monolith #101 well beyond the 6:00 p.m. limit. The contractor completed the placement at approximately 8:30 p.m.

REQUIRED CORRECTIVE ACTION: Limit all construction activities to the hours between 7:30 a.m. and 6:00 p.m. in accordance with Special Clause H-23. The contractor shall not begin placement of concrete after 4:00 p.m.

CORRECTIVE ACTION SHALL BE TAKEN BY: Immediately, 30 Oct 1995.
DATE



NAME BERNARD R BROGNA

ISSUED TO: MICHAEL TASSIN

TITLE Quality Assurance Rep.

DATE ISSUED: 10/31/95

TIME ISSUED: 1300 hrs.

MR. WAGNER/1a/1222

October 19, 1995

DUHON
CEL MN-CD-NO-Q

New Orleans Area Office

HABBAZ
CEL MN-CD-NO

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

BERNARD
CEL MN-CD-NO

ASHLEY
CEL MN-CD-NO

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

This is in reference to your letter dated October 17, 1995, regarding your request to pour concrete on Saturday, October 21, 1995.

SPECIAL CLAUSE H-23, PERMISSIBLE HOURS OF OPERATION states that no work will be allowed on Saturdays, Sundays or legal holidays; therefore, your request is denied.

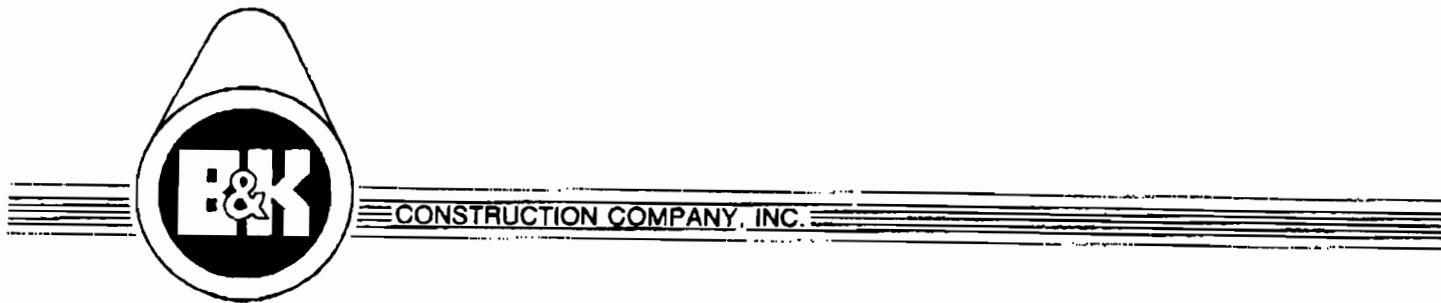
If you have any questions regarding this matter, contact Mr. Dennis Duhon at 862-1212 or Mr. Chris Wagner at 862-1222.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

CF:

Proj Engr (Wagner)
Proj Insp (Brojna)



October 17, 1995

FXED AND MAILED

Mr. Chester Ashley, Contracting Officer
U.S. Army Corps of Engineers
New Orleans District
P.O. Box 60167
New Orleans, LA 70160-0267

RE: CONTRACT NO. DACW29-94-C-0079
LAKE PONTCHARTRAIN & VICINITY
HIGH LEVEL PLAN, LONDON AVENUE
OUTFALL CANAL, PARALLEL PROTECTION
MIRABEAU AVE TO LEON C. SIMON BLVD
FLOODWALL - ORLEANS PARISH, LA
B & K JOB NO. 9402

Dear Mr. Ashley,

We respectfully request permission to form and pour stabilization slab this Saturday, October 20, 1995, between Mirabeau Avenue and Filmore Avenue, and Filmore Avenue and the pumping station on the east bank. A prompt response would be appreciated.

Please do not hesitate to contact me if you have any questions in this matter.

Sincerely,
B & K CONSTRUCTION CO., INC.

Blake Andrews
Blake Andrews,
Project Manager

BA/kl

cc: Mr. Mike Tassin - Quality Control Manager

MR. DUHON/1a/12

October 11, 1995

HABBAZ
CEL MN-CD-NO

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

BERNARD
CEL MN-CD-NO
ASHLEY
CEL MN-CD-NO

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

You are hereby directed to close the current breach in the existing levee protection to the 300 foot length allowed during hurricane season.

As specified in Section C2H-5.2, HURRICANE SEASON, and in Special Clause H-31, FLOOD PROTECTION PLAN, the maximum length of temporary protection below elevation 11.5 NGVD is 300 feet. Plans for closing breaches in the floodwall must be updated semiannually to reflect status of construction progress. All work associated with this corrective action will be done at no additional cost to the Government.

If you have any questions regarding this matter, contact Mr. Dennis Duhon at 862-1212.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

CF:

Supv Civ Engr (Duhon)

B-28

July 28, 1995

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

DUHON
CEL MN-CD-NO

HABBAZ
CEL MN-CD-NO

BERNARD
CEL MN-CD-NO

ASHLEY
CEL MN-CD-NO

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

Reference enclosed Contract Deficiency Number One dated July 26, 1995. You have failed to comply with Technical Specification paragraph C3D-12.2, Formed Surfaces, which states that "Within 24 hours after form removal, all finds and loose material permanently exposed to view shall be removed and all tie rod holes and defective concrete repaired. All voids and honeycombs exceeding 1/2 inch in diameter permanently exposed or not, shall be reamed or chipped and filled with dry-pack mortar."

The first monolith on the west side between Robert E. Lee Boulevard and Pumping Station No. 4 was placed on June 22, 1995; yet as of this date finishing of the wall still has not been completed. The total to be finished on the west side now stands at 33 monoliths. This is in addition to the fractured fin area on the east side which still needs to be finished. As a result, money will be withheld on the next progress payment until all of the finishing work is satisfactorily caught up.

If you have any questions regarding this matter, contact Mr. Dennis Duhon at 862-1212, or Mr. Chris Wagner at 862-1222.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

CF:

Proj Engr (Wagner)
Proj Insp (Bryant)
CELMN-CD-CS (Berry)
Supv Civ Engr (Duhon)

AUG 1 1995

B-38

NOTICE OF CONTRACT DEFICIENCY

JOB DEFICIENCY NO.

001

SAME SUBJECT DEFICIENCY NO.

001

CONTRACTOR:

B&K Construction Co., Inc., 1905 Highway 59, Mandeville, La.

JOB: Lake Pontchartrain, La. and Vicinity, London Ave. Canal, Contract #03, Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

LOCATION:

East B/L Sta's 102+67 to 119+02, and West B/L Sta's 111+26 to 119+63

DEFICIENCIES NOTED:


Contractor is not completing the finishing of surfaces and fractured fins on newly placed concrete I-Walls in a timely manner. The fractured fins need to be finished between East B/L Sta's 102+67 and 119+02, and the entire surfaces of I-Walls need to be finished between West B/L Sta's 111+26 and 119+63.

REQUIRED CORRECTIVE ACTION:

Contractor shall immediately finish all surfaces and fractured fins on completed I-Wall Monoliths in accordance with paragraph C3D-12.2, Formed Surfaces, of the contract specifications, which states the following: 1) Within 24 hours after form removal, all fins & loose material permanently exposed to view shall be removed and all tie rod holes and defective concrete repaired; 2) All voids and honeycombs exceeding $\frac{1}{2}$ inch in diameter permanently exposed to view and all tie rod holes, permanently exposed or not, shall be reamed or chipped and filled with dry-pack mortar.

CORRECTIVE ACTION SHALL BE TAKEN BY: Immediately, 26 July 1995

DATE


 NAME ZANE D. BRYANT, JR.


 ISSUED TO: MICHAEL TASSIN

TITLE QUALITY ASSURANCE REP.

DATE ISSUED: 26 July 95TIME ISSUED: 1530 hrs.

MR. WAGNER/1a/1222

July 24, 1995

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

Orleans Levee District
Suite 202 Administration Building
6001 South Shore Harbor Boulevard
New Orleans, Louisiana 70126-8006

Gentlemen:

This is in reference to your letter dated June 29, 1995, regarding a complaint that our contractor has damaged the resident's home at 6028 Warrington Drive.

The contractor has performed all operations for constructing the floodwall in accordance with the contract plans and specifications and I am unaware of any negligence on the part of the contractor.

If you have any questions, contact Mr. Dennis Duhon at 862-1212 or Mr. Chris Wagner at 862-1222.

Sincerely,

Chester Ashley
Area Engineer
New Orleans Area Office

CF:
Supv Civ Engr (Duhon)
Proj Engr (Wagner)
Proj Insp (Bryant)
CELMN-CD-CS (Berry)

DUHON
CELMN-CD-NO-C
HABBAZ
CELMN-CD-NO
BERNARD
CELMN-CD-NO
ASHLEY
CELMN-CD-NO

JUL 26 1995

The Board of Commissioners

OF THE

Orleans Levee District

SUITE 202 - ADMINISTRATION BUILDING
6001 SOUTH SHORE HARBOR BLVD.

New Orleans, La.

70126-8006
June 29, 1995

TEL: 504-243-4000

PROTECTING YOU
AND YOUR FAMILY



Mr. Chester Ashley
CELMN CD NO
U. S. Army Corps of Engineers
P. O. Box 60267
New Orleans LA 70160-0267

RE: OLB Project No. 24906
London Avenue Canal Contract III
Report of Damage

Dear Mr. Ashley:

We have had a report of damage from:

Mrs. Reynolds
6028 Warrington Drive
New Orleans LA
Phone: 288-4653

Please investigate and advise of your findings.

Sincerely,


Stevan G. Spencer, P. E.
Chief Engineer

JPM
SGS:FPM:pns

xc: Theodore Lange, Director
Legal Department
Auxiliary Services
Mrs. Reynolds

MR. ^WWAGNER/1a/1222

July 11, 1995

^{at}
DUHON
CELMN-CD-NO-Q

New Orleans Area Office

HABBAZ
CELMN-CD-NO

SUBJECT: Contract No. DACW29-⁴97-C-007⁹, Lake Pontchartrain and Vicinity, High Level Plan, New Orleans Lakefront Levee, West of Inner Harbor Navigation Canal, Orleans Avenue Canal Floodwall, West Side Phase II-B, B/L Station 64+51.53 to B/L Station 90+26.91, Orleans Parish, Louisiana

BERNARD
CELMN-CD-NO
ASHLEY
CELMN-CD-NO

Orleans Levee District
Suite 202 Administration Building
6001 South Shore Harbor Boulevard
New Orleans, Louisiana 70126-8006

Gentlemen:

This is in reference to your letter dated July 7, 1995, regarding a complaint that our contractor has damaged the resident's pool at 6027 Pratt Drive.

The contractor has performed all operations for constructing the floodwall including driving sheet piles in accordance with the contract plans and specifications and is not negligent in any manner.

If you have any questions, contact Mr. Dennis Duhon at 862-1212 or Mr. Chris Wagner at 862-1222.

Sincerely,

Chester Ashley
Area Engineer
New Orleans Area Office

CF:
Supv Civ Engr (Duhon)
Proj Engr (Wagner)
Proj Insp (Bryant)
CELMN-CD-CS (Berry)

1995

1326

The Board of Commissioners

OF THE

Orleans Levee District

SUITE 202 - ADMINISTRATION BUILDING
6001 SOUTH SHORE HARBOR BLVD.

New Orleans, La.

70126-8006

July 7, 1995

TEL: 504-243-4000

PROTECTING YOU
AND YOUR FAMILY



Mr. Chester Ashley
CELMN CD NO
U. S. Army Corps of Engineers
P. O. Box 60267
New Orleans LA 70160-0267


RE: OLB Project No. 24906
London Avenue Canal Contract 3
Mirabeau to Robert E. Lee

Dear Mr. Ashley:

Mr. Garland Golladay, 6027 Pratt Drive (288-0091) reports that since the pile driving operation began in his area his swimming pool has developed a leak causing him excessive water bills.

Please investigate and determine if the contractor is responsible for any negligence.

Sincerely,


Stevan G. Spencer, P. E.
Chief Engineer

SGS:FPM:pns

xc: Legal Department
Auxiliary Services
Adam Mehn, Burk-Kleinpeter, Inc.
Garland Golladay

RECEIVED AT

JUL 10 1995

N. O. A. O

ys
Mr. Wagner/1a/1222

July 10, 1995

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

This is in reference to your letter dated June 22, 1995, regarding your request to waive the time and distance requirements for pile driving next to newly placed concrete on the subject contract.

Technical Provision paragraph C2G-9.1.2 requires that no piles be driven within 100 feet of concrete less than 7 days old nor within 30 feet of concrete less than 28 days old. Therefore, I do not plan to modify the contract and your request is denied.

If you have any questions regarding this matter, contact Mr. Dennis Duhon at 862-1212 or Mr. Chris Wagner at 862-1222.

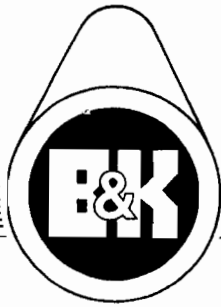
Sincerely,

Chester Ashley
Administrative Contracting
Officer

CF:
Supv Civ Engr (Duhon)
Proj Engr (Wagner)
Proj Insp (Bryant)

oot
DUHON
CEL MN-CD-NO-Q
BA
HABBAZ
CEL MN-CD-NO
BERNARD
CEL MN-CD-NO
CP
ASHLEY
CEL MN-CD-NO

JUL 10 1995



CONSTRUCTION COMPANY, INC.

June 22, 1995

FAXED AND MAILED

Mr. Chester Ashley, Contracting Officer
U.S. Army Corps of Engineers
New Orleans District
P.O. Box 60167
New Orleans, LA 70160-0267

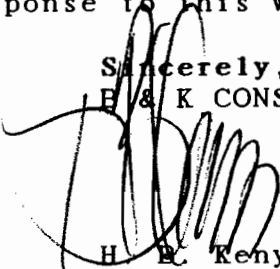
RE: CONTRACT NO. DACW29-94-C-0079
LAKE PONTCHARTRAIN & VICINITY
HIGH LEVEL PLAN, LONDON AVENUE
OUTFALL CANAL, PARALLEL PROTECTION
MIRABEAU AVE TO LEON C. SIMON BLVD
FLOODWALL - ORLEANS PARISH, LA
B & K JOB NO. 9402

Dear Mr. Ashley,

In order to properly plan our temporary flood wall on the remaining portions of the project we need to have the following question answered; Section C2G-9.1.2, last sentence of the paragraph states that "piles shall not be driven within 100' of concrete less than seven days old, nor within 30' of concrete less than 28 days old". Since the concrete requirement is 3000 PSI in twenty-eight days we would like to be able to modify this to state that "piles shall not be driven within 100' of concrete less than seven days old, nor within 30' of concrete less than 3000 PSI". If this interpretation is acceptable to you we would take an extra cylinder and have it tested at our own expense to assure the 3000 PSI compliance.

Your prompt response to this would be much appreciated.

Sincerely,
B & K CONSTRUCTION CO., INC.


H. E. Kenyon,
President

HBK/k1

cc: Mr. Mike Tassin - Quality Control Manager

CA62295

July 6, 1995

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

DUHON
CEL MN-CD-NO-Q

HABBAZ
CEL MN-CD-NO

BERNARD
CEL MN-CD-NO

ASHLEY
CEL MN-CD-NO

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

We have reviewed your request to relocate the new I-wall four (4) feet to the landside of the existing wall between west baseline stations 70+47 to 99+83.67 and it is denied.

If you have any questions regarding this matter, please contact Mr. Dennis Duhon at 862-1212 or Mr. Chris Wagner at 862-1222.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

CF:
Supv Civ Engr (Duhon)
Proj Engr (Wagner)
Proj Insp (Bryant)

CELMN-ED-TM (CD-NO-Q/30 May 95) 1st End

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain, LA & Vicinity, High Level Plan, London Ave. Outfall Canal, Parallel Protection, Mirabeau Ave. to Leon C. Simon Blvd., East Side, Mirabeau Ave. to Robert E. Lee Blvd., West Side Floodwall, Orleans Parish, LA

CELMN-ED-TM

15 Jun 95

→ FOR CELMN-CD-NO-Q


1. We have reviewed B&K's proposal and find it unacceptable as presented for the following reasons:

a. Relocating the I-wall 4' to the landside will lower the levee embankment stability below our required Factor of Safety of 1.3.

b. The 8' minimum levee crown width and required levee elevations must be maintained. This may require additional levee work.

c. On the cost estimate, the proposed labor and equipment cost of \$11.60/lf for driving the temporary sheeting is high and representative of a unit price which includes the cost of labor, materials, and equipment. The proposed cost of \$2.00/lf for pulling temporary sheet piling is also high. This cost is representative of a unit price for driving and pulling temporary sheet piling. Also, based on the costs shown, the total cost to drive and pull sheets (\$41,641.60) is incorrect and should be \$42,433.60..

2. Point of contact is Angela DeSoto, x2733 or Darryl Bonura, x2653.


W. EUGENE TICKNER
Chief, Engineering Division

CF:
CELMN-ED-G
CELMN-ED-C
CELMN-PP-P

RECEIVED AT

JUN 23 1995

N. O. A. O.

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE <small>(Read instructions on the reverse side prior to initiating this form)</small>	DATE <div style="font-size: 1.5em; text-align: center;">5/22/95</div>	TRANSMITTAL NO. <div style="font-size: 1.5em; text-align: center;">9402-035</div>
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SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be initiated by the contractor)

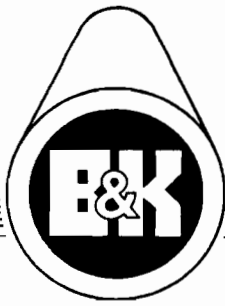
TO: Mr. Chester Ashley U.S. ARMY CORPS OF ENGINEERS P. O. Box 60267 NEW ORLEANS, LA 70160	FROM: B & K CONSTRUCTION CO., INC. 1905 HWY. 59 MANDEVILLE, LA 70448	CONTRACT NO. DACW29-94-C-0079
SPECIFICATION SEC. NO. (Cover only one section with each transmittal) <div style="font-size: 1.5em; text-align: center;">C2H</div>		CHECK ONE: <input checked="" type="checkbox"/> THIS IS A NEW TRANSMITTAL <input type="checkbox"/> THIS IS A RESUBMITTAL OF TRANSMITTAL _____
PROJECT TITLE AND LOCATION LONDON AVENUE CANAL - MIRABEAU TO LEON C. SIMON BLVD.		

ITEM NO.	DESCRIPTION OF ITEM SUBMITTED <small>(Type size, model number/etc.)</small>	MFG OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. <small>(See instruction no. 8)</small>	NO. OF COPIES	CONTRACT REFERENCE DOCUMENT		FOR CONTRACTOR USE CODE	VARIATION <small>(See instruction No. 6)</small>	FOR CE USE CODE
				SPEC. PARA. NO.	DRAWING SHEET NO.			
a.	b.	c.	d.	e.	f.	g.	h.	i.
020	Temporary Cofferdam Design Calculations		4	C2H4.1				
	Relocation of I WALL to a Point 4' to Landside of EXISTING WALL from West Base Line Approximate Station 70+47 to 99+83.67. - PROPOSAL, CALCULATIONS + SKETCH -							

REMARKS	I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated. B & K CONSTRUCTION CO., INC. <div style="font-size: 1.2em; text-align: center;"><i>Deborah Smith</i></div> Deborah W. Smith, Project Coord.
---------	---

SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY	DATE
--	--	------



CONSTRUCTION COMPANY, INC.

WE HAVE MET THE FOLLOWING CRITERIA (SEE ATTACHED DETAIL):

1. Design Criteria Slope Stability. Slope stability performed by LMVD Method of Planes Analysis (Wedge Analysis) for a minimum factor of safety of 1.3 with respect to the design shear strength. Floodside analysis low water elevation -5.0. Protected side analysis high water elevation 11.9. Piezometric headline at elevation -3.0. The wedge stability computer program used by Corps is Stability with Uplift (FS004).

2. Design Criteria for I-Walls. A factor of safety is applied to the design shear strength as follows:

the cohesion developed = cohesion/factor of safety;
developed = $\arctan(\tan \text{ available} / \text{factor of safety})$.

Using the resulting shear strengths, net lateral water and earth pressure diagrams are determined for movement toward each side of the sheet pile. Using these distributions of pressure, the summation of horizontal forces is equated to zero for various tip penetrations. At these penetrations summations of overturning moments about the sheet pile are determined. The required depths of penetration to satisfy the stability criteria are determined as those where summation of moments is equal to zero. The sheet pile wall design criteria is:

Tip Penetrations

F.S. = 1.5 with water to Ele. 11.9

F.S. = 1.0 with water to Ele. 13.9

BENDING MOMENTS

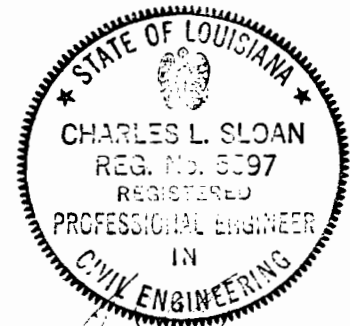
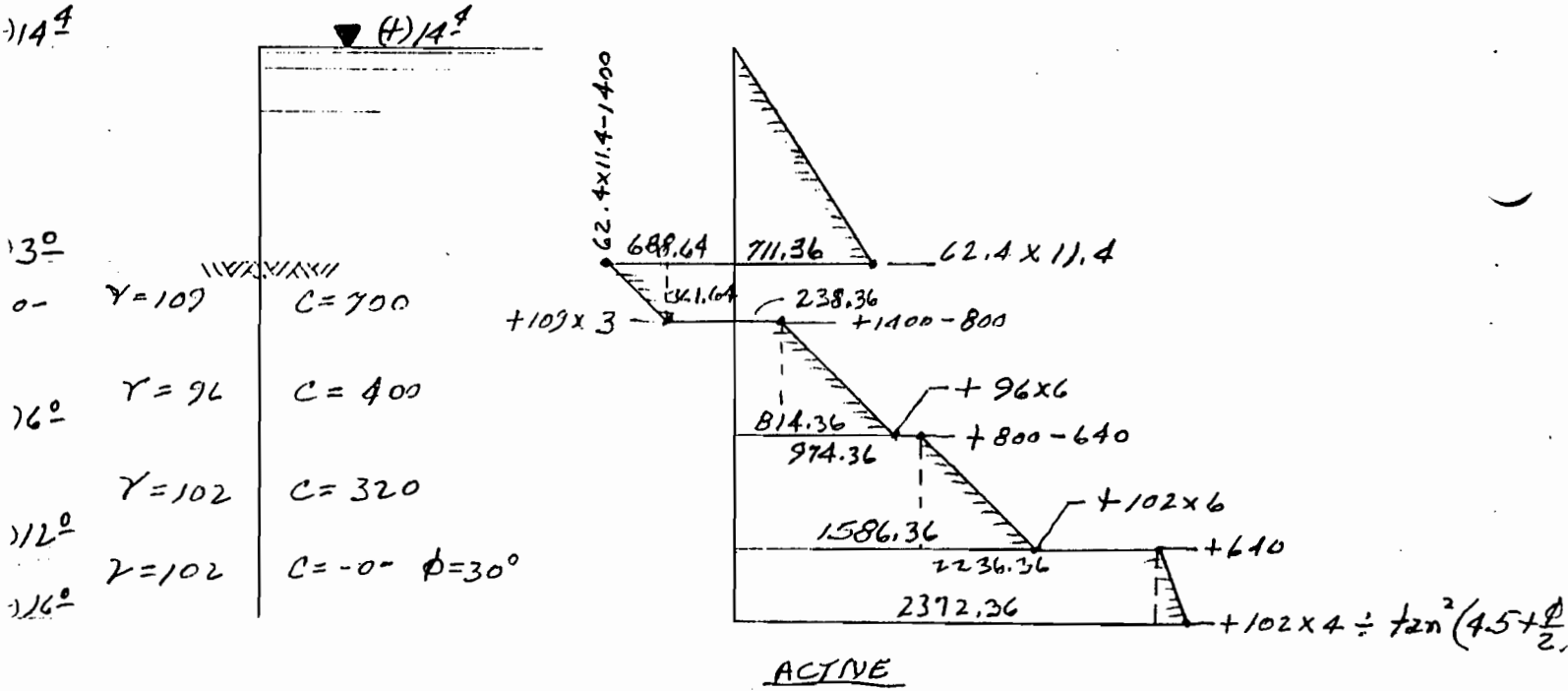
Governing Tip Penetration Case

Groundwater elevation 0.0 or natural ground surface.

BY _____ DATE 5-17-95 SUBJECT _____ SHEET NO. 1 OF _____
 CHKD. BY _____ DATE _____ CLIENT B & K JOB NO. _____

STA. 70+47 TO 99+83.67 WB/L

4' OFFSET TO LAND SIDE OF EXISTING WALL.

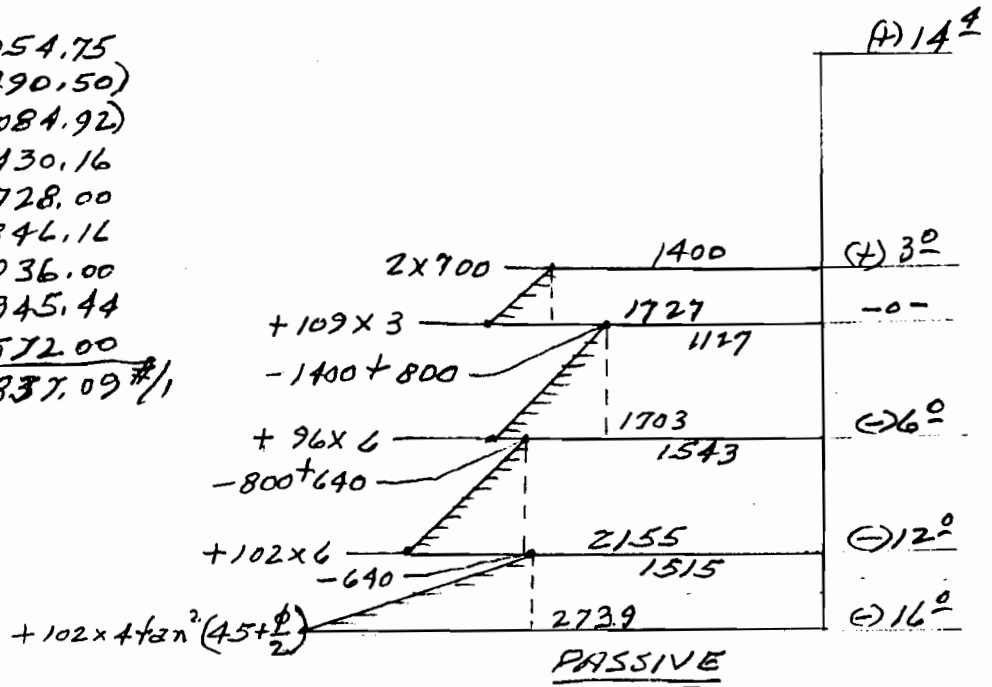


Charles L. Sloan

BY _____ DATE 5-17-95 SUBJECT _____ SHEET NO. 2 OF _____
 CHKD. BY _____ DATE _____ CLIENT B&K JOB NO. _____

Σ V ACTIVE

$\frac{1}{2} \times 711.36 \times 11.4 = 4054.75$
 $(-)\frac{1}{2} \times 327 \times 3 = (490.50)$
 $(-)\frac{1}{2} \times 361.64 \times 3 = (1084.92)$
 $238.36 \times 6 = 1430.16$
 $\frac{1}{2} \times 576 \times 6 = 1728.00$
 $974.36 \times 6 = 5846.16$
 $\frac{1}{2} \times 612 \times 6 = 1836.00$
 $2236.36 \times 4 = 8945.44$
 $\frac{1}{2} \times 786 \times 4 = 1572.00$
 $V_{ACTIVE} = 23,837.09 \#/1$

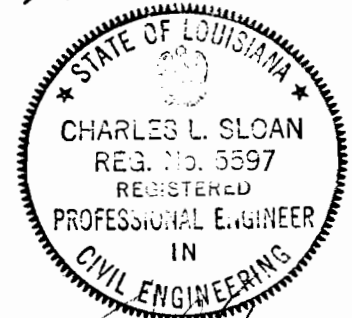


Σ V PASSIVE

$1400 \times 3 = 4200$
 $\frac{1}{2} \times 327 \times 3 = 490.5$
 $1127 \times 6 = 6762$
 $\frac{1}{2} \times 576 \times 6 = 1728$
 $1543 \times 6 = 9258$
 $\frac{1}{2} \times 612 \times 6 = 1836$
 $1515 \times 4 = 6060$
 $\frac{1}{2} \times 1224 \times 4 = 2448$

 $32,782.5$

$F/S_V = \frac{32782.5}{23837.09} = 1.38 > 1.3 \text{ ok}$



Σ M ACTIVE

$4054.75 \times 22.8 = 92,448.3$
 $(490.5) \times 18 = (8,829)$
 $(1084.92) \times 17.5 = (18,986.1)$
 $1430.16 \times 13 = 18,592.08$
 $1728 \times 12 = 20,736$
 $5846.16 \times 7 = 40,923.12$
 $1836 \times 6 = 11,016$
 $8945.44 \times 2 = 17,890.88$
 $1572 \times 1.33 = 2,095.95$

 $M_{ACT} = 175,887.23$

Σ M PASSIVE

$4200 \times 17.5 = 73,500$
 $490.5 \times 17 = 8,338.5$
 $6762 \times 13 = 87,906$
 $1728 \times 12 = 20,736$
 $9258 \times 7 = 64,806$
 $1836 \times 6 = 11,016$
 $6060 \times 2 = 12,120$
 $2448 \times 1.33 = 3,263.92$

 $M_{PASS} = 281,686.42$

$F/S_M = \frac{281646}{175887} = 1.6 > 1.0 \text{ ok}$

BY _____ DATE 5/17/95 SUBJECT _____ SHEET NO. 3 OF _____

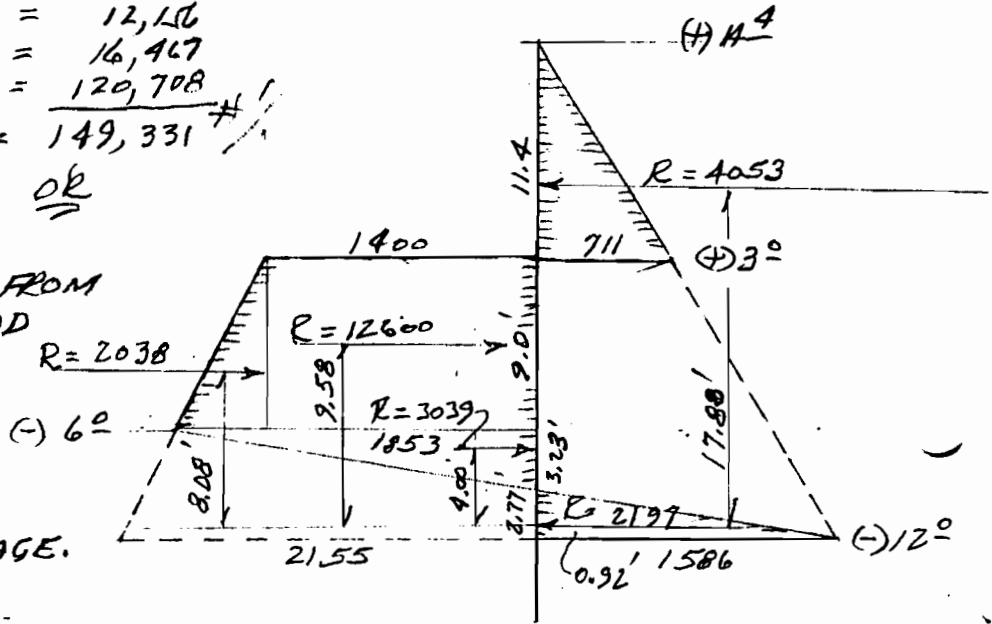
CHKD. BY _____ DATE _____ CLIENT B&K JOB NO. _____

Moment \rightarrow : $4053 \times 17.88 = 72,468 \text{ #}'$

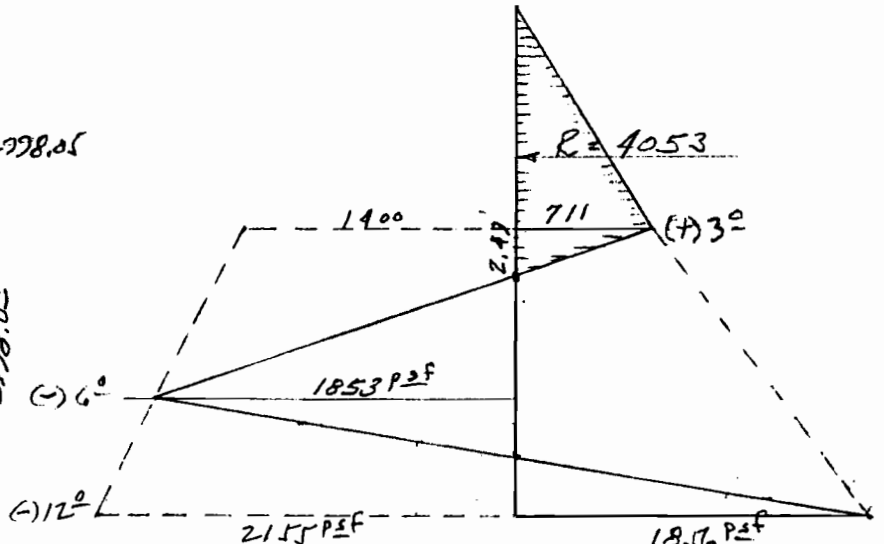
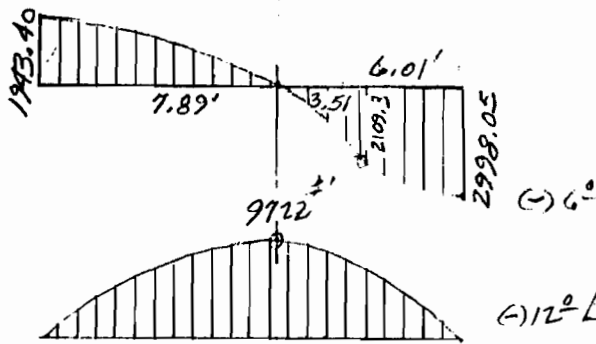
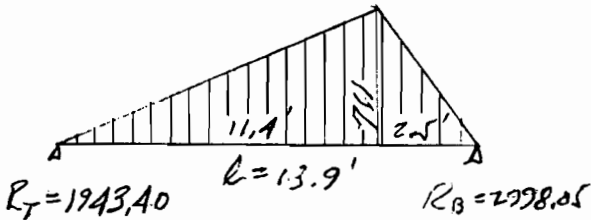
RESIST. \downarrow : $3039 \times 4 = 12,156$
 $2038 \times 8.08 = 16,467$
 $12,600 \times 9.58 = 120,708$
 $M \downarrow = 149,331 \text{ #}'$

$F/S = \frac{149,331}{72,468} = 2.06 \text{ OK}$

SINCE THE STRATUM FROM (-)12° TO (-)16° IS GOOD SAND, WE ONLY CONSIDERED DOWN TO (-)12° FOR THIS CALCULATION. (-)12° TO (-)16° CAN BE CONSIDERED ANCHORAGE.



SIMPLIFIED LOADING DIAGRAM



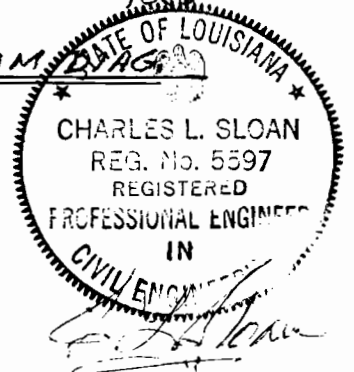
EQUIV. BEAM DIAG.

$f_b = 21,000 \text{ PSI}$

$Z_{req'd} = \frac{9722 \times 12}{21,000} = 5.56 \text{ IN}^3$

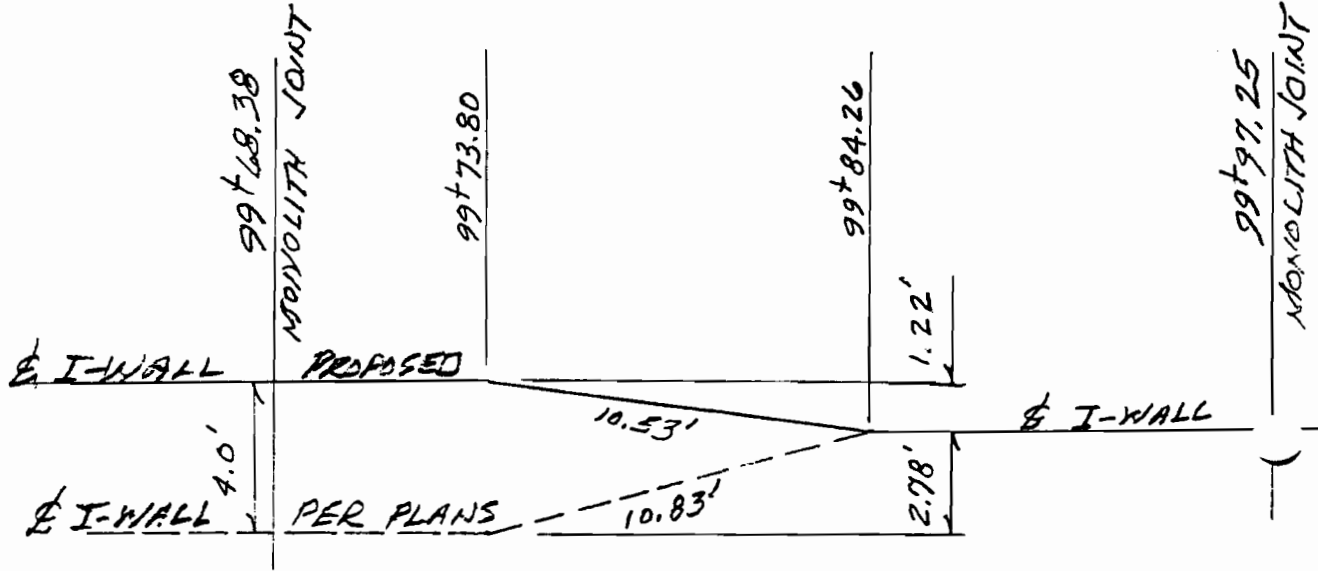
CZ 101: $Z = 16.50 \text{ IN}^3$

$f = \frac{9722 \times 12}{16.50} = 7071 \text{ PSI OK}$



BY _____ DATE 5-22-95 SUBJECT LONDON AV. CANAL HURRICANE PROTECTION SHEET NO. 1 OF 1

CHKD. BY _____ DATE _____ CLIENT B&K JOB NO. _____



THIS PROPOSED CHANGE IN ALIGNMENT WILL NOT AFFECT THE NUMBER OF PILE SECTIONS OR THE MONOLITH JOINT STATIONS.



CANAL SIDE

EXIST. MP-115 SHEET PILING
TO BE CUT 6" BELOW FINISHED GRADE
REMOVE EXISTING CONC. CAP (*)
PIECE OF EXISTING MP-115
SHEET PILING TO BE REMOVED

EXISTING MP-115 SHEET
PILING TO REMAIN
EXISTING CONCRETE
CAP TO REMAIN
SAW CUT ALL AROUND, MINIMUM

FABRICATED CORNER
ZC-271

COL. & SHEET PILE

STA. 70+47 WB/L
STA. 84+54.72 WB/L
#4 TIES @ 12" O.C.

STA. 85+90 WB/L
18 GG. SHEET METAL

PACK W 'H PLASTIC SEALANT

NEW I-WALL

(SEE NOTE "A")
THREE BULB WATERSTOP
1/2" PREFORMED JOINT FILLER

NEW I-WALL

#6 BARS AS SHOWN
"X"

CONCRETE COLLAR

135° HOOK FIELD BEND (TYP)
ANGLE OR BENT PLATE

3" CL
(TYP.)

PZ-22
CZ-101

#6 BARS AS SHOWN
#4 TIES @ 12" O.C. (▲)
PIECE OF CZ-101

3" CL
(TYP.)

6"

2'-0" (●)
EXISTING
CONCRETE
CAP

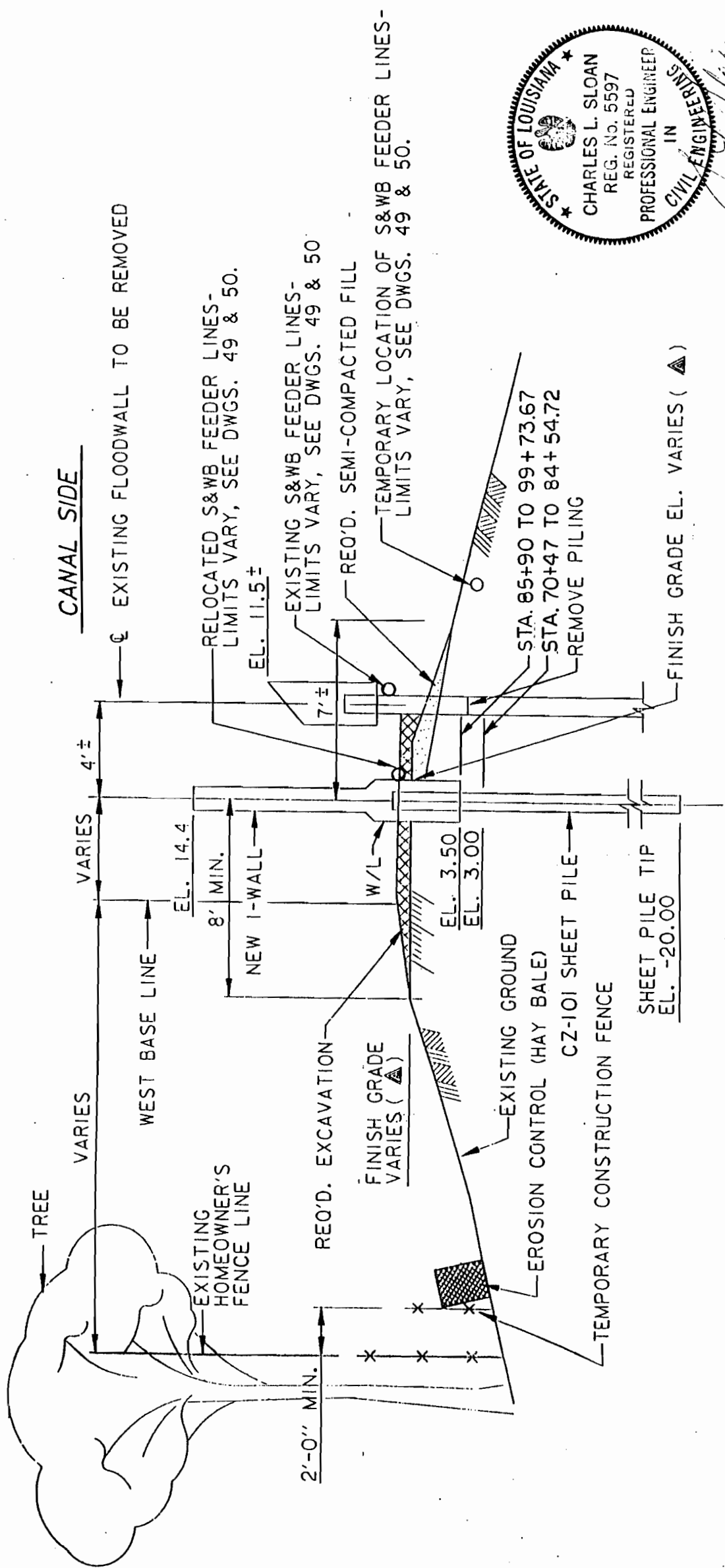


LAND SIDE

NOTE "A":
COLLAR TO INCLUDE AT LEAST ONE CZ 101 SO
THAT WHEN COLLAR IS REMOVED FOR FUTURE
I-WALL THERE IS A SHEET PILE TO INTERLOCK

(*) EXPOSE AND CLEAN EXISTING LONGITUDINAL REBARS
AND EXTEND THESE REBARS 1'-6"
INTO THE NEW CONCRETE COLLAR.
(▲) ALL TIES ARE TO BE FIELD BENT.
(●) #6 L-BARS TO LAP #6 BARS
AS SHOWN IN PLAN AT

LAND SIDE



STA. 70 + 47 TO STA. 99 + 73.67 WB/L

MR. WAGNER/1a/1222

June 6, 1995

DUHAN
CEL MN-CD-NO-Q
HABBAZ
CEL MN-CD-NO

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

BERNARD
CEL MN-CD-NO
ASHLEY
CEL MN-CD-NO

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

Reference your temporary flood protection plan submitted May 16, 1995 for the area between west baseline station 119+62.82 to 102+81 on the subject contract.

Your plan is acceptable for use provided your company complies with the provisions of this plan and the related specifications in the contract. You will also be required to backfill the structural excavation to a minimum El. 3.0 N.G.V.D. in the event of a hurricane.

Any alternative temporary flood protection plans or designs for other reaches of the project must be submitted for approval prior to any work being performed.

If you have any questions or comments, please contact Mr. Chris Wagner of my staff at 862-1222.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

CF:
Proj Engr (Wagner)
Proj Insp (Bryant)

B-28

CELMN-ED-TM (CD-NO-Q/30 May 95) 1st End

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain, LA & Vicinity, High Level Plan, London Ave. Outfall Canal, Parallel Protection, Mirabeau Ave. to Leon C. Simon Blvd., East Side, Mirabeau Ave. to Robert E. Lee Blvd., West Side Floodwall, Orleans Parish, LA

CELMN-ED-TM

15 Jun 95

→ FOR CELMN-CD-NO-Q

1. We have reviewed B&K's proposal and find it unacceptable as presented for the following reasons:


a. Relocating the I-wall 4' to the landside will lower the levee embankment stability below our required Factor of Safety of 1.3.

b. The 8' minimum levee crown width and required levee elevations must be maintained. This may require additional levee work.

c. On the cost estimate, the proposed labor and equipment cost of \$11.60/lf for driving the temporary sheeting is high and representative of a unit price which includes the cost of labor, materials, and equipment. The proposed cost of \$2.00/lf for pulling temporary sheet piling is also high. This cost is representative of a unit price for driving and pulling temporary sheet piling. Also, based on the costs shown, the total cost to drive and pull sheets (\$41,641.60) is incorrect and should be \$42,433.60..

2. Point of contact is Angela DeSoto, x2733 or Darryl Bonura, x2653.

CF:
CELMN-ED-G
CELMN-ED-C
CELMN-PP-P


W. EUGENE TICKNER
Chief, Engineering Division

RECEIVED AT

JUN 23 1995

N. O. A. O.

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE <small>(Read instructions on the reverse side prior to initiating this form)</small>	DATE <div style="font-size: 1.5em; text-align: center;">5/22/95</div>	TRANSMITTAL NO. <div style="font-size: 1.5em; text-align: center;">9402-035</div>
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SECTION I - REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be initiated by the contractor)

TO: Mr. Chester Ashley U.S. ARMY CORPS OF ENGINEERS P. O. Box 60267 NEW ORLEANS, LA 70160	FROM: B & K CONSTRUCTION CO., INC. 1905 HWY. 59 MANDEVILLE, LA 70448	CONTRACT NO. DACW29-94-C-0079	CHECK ONE: <input checked="" type="checkbox"/> THIS IS A NEW TRANSMITTAL <input type="checkbox"/> THIS IS A RESUBMITTAL OF TRANSMITTAL _____
SPECIFICATION SEC. NO. (Cover only one section with each transmittal) <div style="font-size: 1.5em; text-align: center;">CZH</div>		PROJECT TITLE AND LOCATION LONDON AVENUE CANAL - MIRABEAU TO LEON C. SIMON BLVD.	

ITEM NO.	DESCRIPTION OF ITEM SUBMITTED <small>(Type size, model number/etc.)</small>	MFG OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. <small>(See instruction no. 8)</small>	NO. OF COPIES	CONTRACT REFERENCE DOCUMENT		FOR CONTRACTOR USE CODE	VARIATION <small>(See instruction No. 6)</small>	FOR CE USE CODE
				SPEC. PARA. NO.	DRAWING SHEET NO.			
a.	b.	c.	d.	e.	f.	g.	h.	i.
020	Temporary Cofferdam Design Calculations		4	CZH4.1				
	Relocation of I WALL to a Point 4' to Landside of EXISTING WALL from West Base Line Approximate Station 70+47 to 99+83.67. - PROPOSAL, CALCULATIONS & SKETCH -							

REMARKS	I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated. B & K CONSTRUCTION CO., INC. <div style="text-align: center;"> Deborah W. Smith, Project Coord. </div>
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SECTION II - APPROVAL ACTION

ENCLOSURES RETURNED (List by Item No.)	NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY	DATE
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CONSTRUCTION COMPANY, INC.

Mr. Chester Ashley, Contracting Officer
U.S. Army Corps of Engineers
New Orleans District
P.O. Box 60167
New Orleans, La. 70160-0267

RE: Contract no. DACW29-94-C-0079
Lake Pontchartrain & Vicinity
High Level Plan, London Avenue
Outfall Canal, Parallel
Protection from Robert E. Lee
Blvd. to Siphon Pipes.
Orleans Parish, La.
B & K Job No. 9402

Dear Mr. Ashley,

We propose to begin work between Station 119+62.82 and Station 102+81 on the West Baseline. We will begin structural excavation at Station 119+62.82 and excavate to elevation 2.60. Structural excavation will be done ahead of the pile driving operation, but will remain within 300'. The existing concrete floodwall will not be removed until construction of the new I-Wall begins. The existing sheet piling will be cut to elevation 6.75 as needed to provide room for the formwork. The distance of sheet piling cut to elevation 6.75 will not exceed 300'. Sheet piling will be stored on site to enable us to provide elevation 11.50 protection during hurricane season.

Sincerely,

Mike Tassin

B & K CONSTRUCTION COMPANY, INC.
Superintendent

MAT/ce

December 19, 1994

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

B&K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

Reference your temporary flood protection plan dated December 6, 1994 for the area between east baseline station 119 + 03.02 to 102 + 67.72 on the subject contract.

Your plan is acceptable for use provided your company complies with the provisions of this plan and the related specifications in the contract.

Any alternative temporary flood protection plans or designs for other reaches of the project must be submitted for approval prior to any work being performed .

If you have any questions or comments, please contact Mr. Chris Wagner of my staff at (504) 862-1222.

Sincerely,

Richard T. Hill
Contracting Officer's
Authorized Representative

CF:
Proj Engr (Wagner)
Proj Insp (Bryant)

DUNN
CELIN-CD-NO-0
NARRAI
CELIN-CD-NO
REWARD
CELIN-CD-NO
HILL
CELIN-CD

B-28



CONSTRUCTION COMPANY, INC.

6 December 1994

Mr. Chester Ashley, Contracting Officer
U.S. Army Corps of Engineers
New Orleans District
P.O. Box 60167
New Orleans, LA 70160-0267

RE: Contract No DACW29-94-C-0079
Lake Pontchartrain & Vicinity
High Level Plan, London Avenue
Outfall Canal, Parallel
Protection Mirabeau Ave to Leon
C. Simon Blvd Floodwall -
Orleans Parish, LA.
B & K Job No 9402

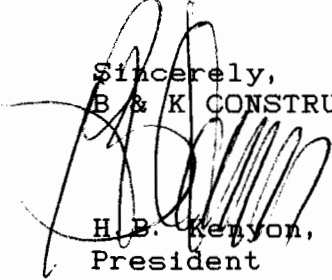
Dear Mr. Ashley:

We propose to cut off the existing sheet pile floodwall on the East baseline from station 119+03.02 to 102+67.72 at elevation 6.75 to obtain the required temporary cofferdam elevation. We are currently working on designing the temporary cofferdam for the other areas of the project and will forward this design in the next few weeks.

We will also comply with all requirements of the Non-Hurricane season Breach plan as previously submitted.

If you have any questions please contact us at any time.

Sincerely,
B & K CONSTRUCTION COMPANY, INC.


H.B. Kenyon,
President

HBK/hk

9402/CA120694A



DEPARTMENT OF THE ARMY

NEW ORLEANS DISTRICT, CORPS OF ENGINEERS

P.O. BOX 60267

NEW ORLEANS, LOUISIANA 70160-0267

December 5, 1994

REPLY TO
ATTENTION OF:

New Orleans Area Office

SUBJECT: Contract No. 94-C-0079, Lake Pontchartrain, Louisiana and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

Reference my letter dated November 30, 1994, as well as the telephone conversation between your Mr. Mike Tassin and Mr. Dennis Duhon of my staff on December 5, 1994, regarding the steel sheet piling for the subject contract.

You have elected to deliver the sheet piling without the required certification. In lieu of this, no payment will be made for the sheet piling stored on-site until all submittal requirements referenced in my November 30, 1994 letter, are approved. Furthermore, any costs associated with the removal of sheet piling that does not meet the specifications will be borne by you at no expense to the Government.

If you have any further questions, contact Mr. Duhon at 862-1212.

Sincerely,

Richard T. Hill
Contracting Officer's
Authorized Representative

BERNARD
CELMN-CD-NO

HILL
CELMN-CD

B-28

November 30, 1994

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana

DUHON
CEL MN-CD-NO-Q

HABBAZ
CEL MN-CD-NO

BERNARD
CEL MN-CD-NO

ASHLEY
CEL MN-CD-NO

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

This letter is to confirm the telephone conversation between your Mr. Boone Kenyon and Mr. Dennis Duhon of this office on November 29, 1994, regarding the steel sheet piling for the subject contract.

As discussed, the following items must be provided prior to acceptance of the sheet piling:

1. The original mill test reports must be furnished for the test samples that were taken when the steel was hot-rolled in order to show conformance with the contract requirements. The heat analysis sample shall be in accordance with ASTM A 6.

2. The heat numbers on Casteel's QC certificates must correspond to those on the original mill test reports. (The heat numbers on Casteel's QC certificate and the metallurgical lab report from Weirton Steel Corporation furnished to this office on November 18, 1994, did not coincide with each other.)

3. Address the inconsistencies regarding the Weirton Steel Corporation metallurgical lab report showing ASTM A 570, Grade 50 and Casteel's QC certificate showing ASTM A 572, Grade 50.

4. The mill test reports should address the total number of pieces for the entire job. The Casteel QC report addresses only 46 pieces of 26'-9" length.

In closing, our records indicate that you were informed numerous times as to what steel sheetpile submittals are

required. In particular, we discussed mill test reports at the Preconstruction Conference on August 16, 1994 and you were notified in writing in our return comments to your sheetpile submittals, dated September 7, 1994 and October 25, 1994 respectively. If you have any further questions, contact Mr. Duhon at 862-1212.

Sincerely,

Richard T. Hill
Contracting Officer's
Authorized Representative

CF:
Proj Engr (Wagner)
Proj Insp (Bryant)

Letter of Transmittal

B & K CONSTRUCTION, INC.
634 Village Lane North
Mandeville, LA 70448
(504) 626-1866

B & K JOB NO. 9402

TO: U.S. ARMY CORPS OF ENGINEERS
NEW ORLEANS DISTRICT
P.O. BOX 60267
NEW ORLEANS, LA 70160-0267

DATE: October 27, 1994

ATTN: MR. CHESTER ASHLEY,
CONTRACTING OFFICER

RE: CONTRACT NO. DACW29-94-C-0079
LAKE PONTCHARTRAIN & VICINITY
HIGH LEVEL PLAN, LONDON AVENUE
OUTFALL CANAL, PARALLEL
PROTECTION, MIRABEAU AVE TO
LEON C. SIMON BLVD. FLOODWALL
ORLEANS PARISH, LOUISIANA

WE ARE SENDING YOU (xx) Attached VIA _____
() Under separate cover VIA _____ the following items:

- () Shop Drawings () Prints () Plans () Samples
- () Specifications () Copy of Letter () Change Order
- (XX) Other - Specify:

COPIES	DATE	NO.	DESCRIPTION
1	10/27/94		COPY OF CORPORATE RESOLUTION AUTHORIZING DEBORAH SMITH TO SIGN PAYMENT REQUESTS ON BEHALF OF B & K CONSTRUCTION

THESE ARE TRANSMITTED as checked below:

- () For approval () Approved as submitted () Resubmit ___ copies for approval
- (XX) FOR YOUR USE () Approved as noted () Submit ___ Copies for distribution
see drawings
- (XX) AS REQUESTED () Return for corrections () Return ___ corrected prints
- () For review and signature () _____
- () FOR BIDS DUE _____ 19 _____ () Plans to be returned

REMARKS: (THIS INFORMATION WAS FAXED TO YOUR OFFICE ON 10/26/94)

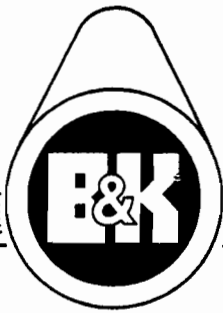
COPIES TO: (with enclosures) Thank you,
B & K CONSTRUCTION, INC.

Field Office (xx)
Mike Tassin, Project Manager
Zane Bryant, USACOE, Field Inspector
Accounting
Smith, Safety/Scheduling

SIGNED: Kathleen Lafleur
Kathleen Lafleur,
Administrative Assistant

UCI 01 1994
N.O.A.C.

B-28



CONSTRUCTION COMPANY, INC.

44TH MEETING OF THE BOARD OF DIRECTORS

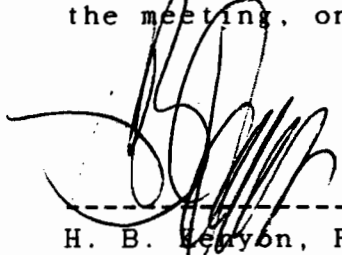
The 44th meeting of the Board of Directors of B & K CONSTRUCTION CO., INC. was held at 5:00 P.M., on November 18, 1992 at 634 Village Lane North, Suite 103, Mandeville, LA 70448. Present at this meeting were H. B. Kenyon and Deborah W. Smith, constituting the majority membership of the Board of Directors.

The meeting was called to order by H. B. Kenyon, President.


The minutes of the 43rd meeting were read by H. B. Kenyon, President.

RESOLVED: That Deborah W. Smith is hereby authorized to sign Contract Documents, Bid Documents, Purchase Orders, and Payment Requests on behalf of B & K Construction Co., Inc. until such a time as here authority would be revoked. Final Change Orders are reserved for H. B. Kenyon's signature only.

There being no further business to come before the Board, the meeting, on motion duly made, was adjourned.



H. B. Kenyon, President



Deborah W. Smith, Secretary

MR. WAGNER/1a/1222

August 16, 1994

New Orleans Area Office

SUBJECT: Contract No. DACW29-94-C-0079, Lake Pontchartrain and Vicinity, High Level Plan, London Avenue Outfall Canal, Parallel Protection, Mirabeau Avenue to Leon C. Simon Boulevard Floodwall, Orleans Parish, Louisiana, Layout of Work

B & K Construction Company, Incorporated
1905 Highway 59
Mandeville, Louisiana 70448

Gentlemen:

In accordance with SPECIAL CLAUSE (SC) H-7, LAYOUT OF WORK, in this contract, the contractor is required to complete the layout of work from baselines and bench marks established by the Government as shown on the contract plans.

To show compliance with SC H-7, the contractor shall provide this office with the survey notes used to layout the work prior to starting the construction phase for that portion of the work surveyed.

Sincerely,

Chester Ashley
Administrative Contracting
Officer

CF:
Proj Engr (Wagner)
Proj Insp (Bryant)

DUNN
CEL MN-CD-NO-Q

HABBAZ
CEL MN-CD-NO

BERNARD
CEL MN-CD-NO

ASHLEY
CEL MN-CD-NO

B-28



CONSTRUCTION COMPANY, INC.

July 18, 1994

DEPARTMENT OF THE ARMY
New Orleans District Corps of Engineers
P. O. Box 60267
New Orleans, LA 70160-0267

94-C-0079

Attn: Sheila Enclade
Contracting Division

RE: CONTRACT NO. DACW29-94-B-0047
LONDON AVENUE OUTFALL CANAL
B & K JOB NO. 9402
CONTRACT DOCUMENTS

Gentlemen:

As per your request of July 11, 1994, please find enclosed a description of items of work to be performed by B & K Construction Co., Inc. including cost of said items as outlined in Section H-21 of the Contract Documents.

If additional information is needed, please do not hesitate to contact this office.

Sincerely,

Deborah W. Smith
Project Coordinator

Encl.

B-275

CONTRACT CLAUSES

SECTION L-5

(L.7) WORK TO BE PERFORMED BY CONTRACTOR'S OWN ORGANIZATION

Within 7 days after award the successful bidder/contractor shall furnish the Contracting Officer a description of the items of work which will be performed with its own forces and the estimated cost of those items. (See paragraph H-21 contained in the Special Clauses of the specifications)

SPECIAL CLAUSES

SECTION H-21 PERFORMANCE OF WORK BY CONTRACTOR
(FAR 52.236-1 -1984 APR)

The Contractor shall perform on the site, and within his own organization, work equivalent to at least twenty percent (20%) of the total amount of the work to be performed under the contract. This percentage may be reduced by a supplemental agreement to this contract, if, during performing the work, the Contractor requests a reduction and the Contracting Officer determines that the reduction would be to the advantage of the Government.



CONSTRUCTION COMPANY, INC.

CONTRACT NO. DACW29-94-B-0047
LONDON AVENUE OUTFALL CANAL
B & K JOB NO. 9402
CONTRACT SECTION L-5 (L.7)

B & K Construction Co., Inc. shall perform all work on site for the above referenced project with the exclusion of Items 007, 013, 016, 017, 018, 019A, 019B, and 021 which will be performed by our subcontractors.

The approximate cost of the work which B & K Construction Co., Inc. forces will perform is \$2,807,364.00.

Encl.

B & K Construction Company, Inc.
 1905 Highway 59
 Mandeville, LA 70448

DATE: 07-18-1994

CODE SHEET

Job#: 9402
 LONDON AVENUE OUTFALL CANAL
 Retainage Percent: 0.000%

Engineer: U.S. ARMY CORPS OF ENGINEERS
 Address: P. O. BOX 60267
 City/State: NEW ORLEANS, LOUISIANA 70160-0267

Owner: USACOE DA
 Address:

 Code# Bid Item# W/C Description Quantity/Unit

001	001	36	MOBILIZATION & DEMOBILIZATION	1.00 LS
002	002	12	CLEARING & GRUBBING	1.00 LS
003	003	36	SELECTIVE DEMOLITION	1.00 LS
004	004	12	PEDESTRIAN BRIDGE DEMOLITION\	1.00 LS
005	005	5	EMBANKMENT, SEMICOMPACTED FILL	1.00 LS
006	006	10	STRUCTURAL EXCAV & BACKFILL	1.00 LS
007	007	39	FERTILIZING, SEEDING & MULCHNG	8.00 AC
008	008	12	CUT OFF EXISTING SHEET PILING	1.00 LS
009	009	35	PULL, CLEAN SALVG EXIST AZ18	1.00 LS
010	010	35	REDRIVE EXIST AZ18 SHEET PILE	1.00 LS
011	011	10	PZ-22 STEEL SHEET PILING	187844.00 SF
012	012	10	PSA-23 STEEL SHEET PILING	997.00 SF
013	013	10	PAINTING	1.00 LS
014	014	10	REINFORCED CONCRETE FLOODWALL	1.00 LS
015	015	6	CONCRETE SLOPE PAVEMENT	188.00 SY
016	016	4	UTILITY MODIFICATIONS	1.00 LS
017	017	3	TEMP RELOCATION FEEDER LINES	1.00 LS
018	018	3	PERM RELOCATION FEEDER LINES	1.00 LS
019A	019A	39	EROSION CONTROL FIRST 10670 LF	10670.00 LF
019B	019B	39	EROSION CONTROL OVER 10670 LF	2700.00 LF
020	020	39	TEMPORARY FLOOD PROTECTION	1.00 LS

DATE: 07-18-1994

CODE SHEET

```
*****  
Code# Bid Item#      W/C  Description                      Quantity/Unit  
*****  
021   021           10  MISCELLANEOUS METALS                      1.00 LS  
=====
```

DONE