

A0006560  
A0006555

**TFG FILES INVENTORY**

**DATE: 12-15-05**

Box Number: 49285541

Alternate Number: 15

Other Identification: LN191

Contents Associated With:

3. Contract DACW29-94-C-0079; 1180-1-1q; Daily Logs; Lk. Pontchartrain; LA & VIC, HLP, London Avenue. Outfall Canal Mirabeau; Section B, Folder 5, Item 37b.

A0006555  
A0006560

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR 655

REPORT NUMBER  
195

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Wednesday  
13 September 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Manaeville, La. 70448

WEATHER  
Cloudy and rain

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION 50 %	BORROW EXCAVATION 50 %	EMBANKMENT 50 %	CONCRETE 50 %	STRUCTURE 50 %
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TEMPERATURE	
MINIMUM 72°	MAXIMUM 89°

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.75"	ENDING 0730 a M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			2-16	2-16	

Canal RIVER STAGE	
FEET 2.5'	TIME 0800 a M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
2-12	11-36	13-37	26-85	0700 M	1730 M	M	M	M	M

NUMBER OF SHIFTS

1  2  3

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; TEMPORARY FLOOD PROTECTION
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

- a. Carpenters worked on I-Wall forms; driving piles for temporary flood protection between E B/L Sta's 70+75 and 70+50 and between E B/L Sta 98+35 and 98+20; concrete finishers repairing W Monos #131 and #130, P/S.
- b. Pulling existing RZ-10 sheet piles between E B/L Sta 114+75 and 114+15.

Days of no work and reasons for same:

50% of day lost due to adverse weather/wet ground on 13 Sept 1995.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K and Gill this date until 1000, work was stopped due to rain.

DATE SET FOR COMPLETION: 09 MAY 1996

PERCENT PROJECT COMPLETE: 38.9%  
PERCENT TIME ELAPSED: 62.2%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:  
REINFORCED CONCRETE FLOODWALL: No instructions given  
TEMPORARY FLOOD PROTECTION: No instructions given  
STEEL SHEET PILES: No instructions given

RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES

The following Follow-up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Observed carpenters continuing to work on I-Wall forms at Robert E. Lee Blvd. Carpenters are repairing forms to be used for next reaches of floodwall. Observed concrete finishers repairing W Monos #131 and #130, P/S only.

**TEMPORARY FLOOD PROTECTION:** Noted contractor cut Frodingham 3NA sheet piles in half to be used for temporary flood protection. Observed contractor driving these sheet piles between E B/L Sta 70+75 and 70+50 and between E B/L Sta 98+35 and 98+20.

**STEEL SHEET PILES:** Observed contractor pulling existing RZ-10 sheet piles between E B/L Sta 114+75 and 114+15. Noted that one pair of sheets at Sta. 115+00 and 6 pairs of sheets at Sta 115+75 could not be pulled up because they were too close to the new wall. Contractor will pull these sheets with a smaller hammer at a later date.

**QUALITY CONTROL:** Contractor is providing adequate quality control this date.

VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)

None.

CONTROVERSIAL MATTERS IN DETAIL.

None.

INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.

None.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

REMARKS (include visitors to project and miscellaneous remarks pertinent to work)

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
Z. Bryant	Const Insp (GS-07)	07		QAR
J. Avettant	Const Insp (GS-04)	07		QAR

SAFETY: (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)

Checked all gates and locks around project, made sure everything was secure. No safety violations observed this date.

INSPECTOR'S SIGNATURE Jennifer D. Avettant	DATE 15 Sep 95	SUPERVISOR'S INITIALS [Signature]	DATE 9/18/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 9/13/95

REPORT NO.: 245

SKIES: Cloudy - Rain

RAIN: 0.75 IN. TEMP.: 72 MIN 89 MAX

DUST: Minimal LEVEE CONDITION: Wet CANAL GAUGE: (2.5) NOISE: Minimal

WORK PERFORMED/LOCATION

B+K Construction - Carpenters continued working on I-Wall forms in the Robert E. Lee Blvd. yard. Continued cutting the pulled Frodingham 3NA sheet piling in half for Temporary Flood Protection. Drove Temporary sheet piling on the East Bank between B station 70+75 and station 70+50, and between B station 98+35 to station 98+20. Cement finishers worked on west monoliths #131 and #130 (not completed yet) patching and repairing the Land Side surfaces. Laborer cut grass on the East Bank. Rain shut down all work at approx. 10:00 AM.

Gill's Crane Service - Pulled existing RZ-10 sheet piling on the East Bank between station 114+75 and station 114+15. Stacked these sheets along the crown of the levee, to be hauled off later. One pair of sheets at approx. station 115+00 and 6 pairs at approx. station 115+75 could not be pulled up due to their close proximity to the new I-Wall. They will be removed at a later date with a smaller hammer

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
12	Unskilled	34	B+K Const.	Repairing + modifying I-Wall forms;
10	Skilled	33	"	Driving Temporary Flood Protection
2	Supt.	12	"	sheet piling; Cutting Grass
			"	on the East Bank
				Rain Out at 10:00 AM
1	Skilled	3	Gill's Crane	Pulling RZ-10 sheet piles on
1	Unskilled	3	"	the East Bank
				(See Locations Above)

## EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	1	2	—
Komatsu D37P Dozer	—	yes	1	2	—
Kubota 151 Excavator	—	No	0	3	—
Case 580 Backhoe #1	—	yes	1.5	1.5	—
Koehring 535 Crane	—	yes	3	0	—
MKT Vibro Hammer	—	yes	3	0	—
Fiat-Allis MotorGrader	—	NO	0	3	—
Mantis 3612 Crane	—	yes			—
MKT V-5 hammer	—	yes			—
KOMATSU EXC. 200 #2 with EMU-300 hammer	—	yes	3	0	—
Case 580 BACKHOE #2	—	yes	1.5	1.5	—
WELDING MACHINE	—	NO	0	3	—
KOEHRING 535 CRANE	—	yes	3	0	—
KOEHRING 405 CRANE	—	NO	0	3	—
J.S.W. Excavator	—	yes	1	2	—

## MATERIALS RECEIVED

None Received This Date.

## TESTS PERFORMED

(As required by plans/specifications)

Delta Testing performed vibration monitoring on the East Bank at approx. station 71+00. Results of these tests are furnished only to the Orleans Levee Board.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED

Checked the sheet pile pulling operation on the East Bank today. The MKT V-5 vibratory hammer was being used, along with the Koehring 535 crane, to pull the existing RZ-10 sheet piles. Pulled piles were stacked on the land side levee crown, to be hauled off later and salvaged. No damage was noted on the new F-wall, and no large voids were left behind after piles were removed.

Inspected the public streets for dirt and debris. No significant debris was observed due to the contractor's activities.

JOB SAFETY

Checked rigging on the V-5 hammers at Robert E. Lee Blvd. and at Thirabeau Avenue. No excessive wear or defects were found. Shackles were secured with tie wire to prevent accidental loosening of screw pins. All workers wore protective hard hats and steel toe boots on the jobsite today.

REMARKS

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Derry Justice  
Authorized Q C Representative

9-14-95  
Date

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

194

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Tuesday  
12 September 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Clear to Ptly Cloudy, warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 69°	MAXIMUM 89°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION  
INCHES 0.00" ENDING 0730 a.m.

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-16	TOTAL 2-16	LABOR
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FEET 2.4'	TIME 0800 a.m.
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 3-26	SKILLED 12-91	LABORERS 12-98	TOTAL 27-215	FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (OCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; TEMPORARY FLOOD PROTECTION
- b. Gill's Crane Service - STEEL SHEET PILES
- c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

- a. Concrete finishers repaired W Monos #134, #133 and #132; contractor drove sheet piles for temporary flood protection; carpenters repairing I-wall forms.
- b. Pulled existing RZ-10 sheet piles between E B/L Sta 116+30 and 114+75.

Days of no work and reasons for same:

No delays were incurred so far this month.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K Const. and Gill's Crane Service this date.

DATE SET FOR COMPLETION: 09 MAY 96

PERCENT PROJECT COMPLETE: 38.9%  
PERCENT TIME ELAPSED: 62.0%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:  
REINFORCED CONCRETE FLOODWALL: No instructions given.  
TEMPORARY FLOOD PROTECTION: No instructions given.  
STEEL SHEET PILES: No instructions given.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS CQC ACTIVITIES**

The following Follow-up QA inspections were performed this date:

REINFORCED CONCRETE FLOODWALL: Observed concrete finishers repairing W Monos #134, #133 and #132 today. Finishers were patching holes and fins, were necessary, on monos. Observed carpenters working on steel I-Wall forms. Contractor is repairing forms for next phase of job.

TEMPORARY FLOOD PROTECTION: Observed contractor cutting sheet piles in half for temporary flood protection. Sheet piles were driven from E B/L Sta 71+65 to 70+75 and from E B/L Sta 98+80 to 98+35. Sheets were driven to an elevation of +7.25 with a vibratory hammer. CZ-101 and CZ-114 sheet piles were used for temporary flood protection, with lengths varying from 12' to 18'.

STEEL SHEET PILES: Observed contractor pulling existing RZ-10 sheet piles between E B/L Sta's 116+30 and 114+75. The sheets that were pulled have been stacked on levee crown.

QUALITY CONTROL: Contractor is providing adequate quality control this date.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

None.

**CONTROVERSIAL MATTERS IN DETAIL**

None.

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS**

None.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Z. Bryant	Const Insp (GS-07)	07	QAR
J. Avettant	Const Insp (GS-04)	07	QAR

**SAFETY: (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Checked and found anti-flow back valves on oxygen/acetylene tanks to be properly installed on this date. No safety infractions noted this date.

INSPECTOR'S SIGNATURE

Jennifer D. Avettant

DATE

14 Sep 95

SUPERVISOR'S INITIALS

yu [initials]

DATE

9/14/95



QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 9/12/95

REPORT NO.: 244

SKIES: Clear - Pt. Cloudy RAIN: Trace IN. TEMP.: 69 MIN 89 MAX

DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (2.4) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Carpenters worked on steel I-wall forms in the Robert E. Lee Blvd. yard, repairing and modifying them for the next reaches of floodwall. Unloaded Reinforcing steel for 18 more monoliths on the East Bank, and stored this material in the yard at Robert E. Lee Blvd. Used the acetylene torch to cut pulled Frodingham sheet piles in half for Temporary Flood Protection. Drove Temporary Flood Protection in two locations on the East Bank: East B station 71+65 to station 70+75, and East B station 98+80 to station 98+35. Laborers cut grass and weeds, and continued clean up along the East Bank. Cement finishers patched and repaired concrete surfaces of I-wall monoliths #134, #133, and #132 today.

Gillis Crane Service - Pulled existing RZ-10 sheet piles on the East Bank between station 116+30 and sta. 114+75. Stacked these sheet piling along the levee crown, and hauled some of them off to be salvaged today.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
11	Unskilled	90	B&K Const.	Repairing and Modifying I-wall
10	Skilled	75	"	forms; Unloading Reinforcing
2	Supt.	18	"	steel; Cutting salvaged sheet
1	Q.C. Rep.	8	"	piling in half; Driving Temporary
				Cofferdams; Finishing Concrete
				on I-wall Monoliths (See Locations Above)
2	Skilled	16	Gillis Crane	Pulling existing Frodingham
1	Unskilled	8	"	Sheet Piles.
				(See Location Above.)



## EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS	ED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6		2	—
Komatsu D37P Dozer	—	yes	2		6	—
Kubota 151 Excavator	—	No	0		8	—
Case 580 Backhoe #1	—	yes	3		5	—
Koehring 535 Crane	—	yes	7		1	—
MKT Vibro Hammer		yes	7		1	—
mkt V-5 Hammer	Rental	yes	7		1	—
Fiat-Allis MotorGrader	—	No	0		8	—
Mantis 3612 Crane	—	yes	2		6	—
KOMATSU EXC. 200 #2 and DCP-EMY 300 hammer	—	yes	7		1	—
Case 580 BACKHOE #2	—	yes	3		5	—
WELDING MACHINE	—	No	0		8	—
KOEHRING 535 CRANE	—	yes	7		1	—
KOEHRING 405 CRANE	—	No	0		8	—
J. SW, Excavator	—	yes	3		5	—

## MATERIALS RECEIVED

Received reinforcing steel for 9 monoliths at East Bank Thirabeau to Filmore, and 9 monoliths at East Bank, Filmore to Pump Sta. #4 from Lutich Steel Company today. Unloaded this material in the Robert E Lee Blvd staging area, to be moved into position later. Test Reports and mill Certifications were furnished to Inspector Zane Bryant today.

## TESTS PERFORMED

(As required by plans/specifications)

Delta Testing monitored vibrations caused by sheet pile driving operations on the East Bank today. Approximate location was B Sta. 71+00, near Thirabeau Avenue. Results are furnished only to the Orleans Levee Board.



QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED

I inspected the Reinforcing steel delivered by Culich Steel Company today. The material was clean and free of oil, dirt, debris, or rust. Material test reports and mill Cert's were provided by Culich steel with this delivery. The re-steel was supplied in correct bar sizes, quantities and bar bend patterns as shown on the approved Shop drawings.

Also inspected the temporary Flood Protection work being done today. C2-101 and C2-114 sheet pile pairs were being used to accomplish this work, in lengths varying from 12' to 18'. Sheets were driven by vibratory hammers to a cut off elevation of 7.25, due to the handling holes cut in these sheets at  $\pm 1/6$ " below the top. All sheet piling were interlocked for the full length of the piling. The ground elevation at the point of entry was +2.00 to +3.00. Alignment of these sheets was  $\pm 6'$  on the Canal side of the existing floodwall.

JOB SAFETY

Checked fire extinguishers at the fuel dike and the office trailers today. One 10 lb. ABC extinguisher, fully charged, was mounted approx. 50' from the fuel tank. No smoking signs were posted on the fuel tank. Offices each had one 5 lb. ABC extinguisher mounted on the wall near the exits. These fire extinguishers were fully charged, and all were in good working order.

REMARKS

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.

Jerry M. Justice  
Authorized Q C Representative

9-13-95  
Date

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

193

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Monday  
11 Sept 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Clear and hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
100 %	100 %	100 %	100 %	100 %

TEMPERATURE	
MINIMUM	MAXIMUM
68°	92°

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES	ENDING
0.00"	0730 a M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
1-1			1-8	2-9	

FEET	TIME
2.3'	0800 a M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
3-26	11-94	10-70	24-190

NUMBER OF SHIFTS

FROM	TO	FROM	TO	FROM	TO
0700 M	1730 M				

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; TEMPORARY FLOOD PROTECTION

b. \_\_\_\_\_

c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

a. Carpenters working on forms; drove sheet piles from E B/L Sta 72+40 to 71+65 and from E B/L Sta 99+05 to 98+80; concrete finishers repaired W Monos #137, #136 and #135; sheet piles cut in half for temporary cofferdams

Days of no work and reasons for same:

No delays were incurred so far this month.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K Const. this date.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 38.9%

PERCENT TIME ELAPSED: 62.4%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions given

TEMPORARY FLOOD PROTECTION: No instructions given

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Observed contractor modifying and repairing steel forms for I-Wall construction. Concrete finishers repaired and patched defective areas on W Monos #137, #136 and #135, P/S only.

**TEMPORARY FLOOD PROTECTION:** Observed contractor driving sheet piles to an elevation of +7.25' from E B/L Sta 72+40 to 71+65 and from E B/L Sta 99+05 to 98+80. Noted that Frodingham 3NA sheet piles were being cut in half for temporary cofferdams.

**QUALITY CONTROL:** Contractor is providing adequate quality control.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

None.

**CONTROVERSIAL MATTERS IN DETAIL.**

None.

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

None.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE		DUTIES
	DESIGNATION	HRS. ON SITE	
C. Wagner	Proj Engr	01	PE
Z. Bryant	Const Insp	07	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Observed concrete finishers chipping on concrete wearing safety glasses and gloves for protection. No safety violations noted this date.

INSPECTOR'S SIGNATURE

Zane D. Bryant

DATE

13 Sep 95

SUPERVISOR'S INITIALS

gc - W 9/20

DATE

9/11/95



QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 9/11/95

REPORT NO.: 244

SKIES: Clear

RAIN: 0

IN. TEMP.: 68 MIN 92 MAX

DUST: Some

LEEVE CONDITION: BONE DRY CANAL GAUGE: (2.3) NOISE: Moderate

WORK PERFORMED/LOCATION

9-9-95 Saturday - No Work Performed  
 9-10-95 Sunday - No Work Performed  
 9-11-95 Monday - B&K Construction - Carpenters worked on steel forms in the yard at Robert E. Lee Blvd, modifying and repairing them for the next two reaches of I-wall construction. Moved sheet piling into position for Temp. Cofferdam at East Bank, Pump Sta. #4 to Filmore Ave. Drove Temp. Flood protection sheet piles on the East Bank from B Station 72+40 to station 71+65, and from East B sta. 99+05 to sta. 98+80. Cement finishers worked on West Mouldings #137, #136 and #135 today, patching holes and repairing defective areas on the Land Side only. Frodingham 3NA sheet piles were being torch cut in half, to yield two ±13' pieces for Temp. Cofferdams. Laborers cut weeds + grass, and performed clean up along the levee (East Bank).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
10	Unskilled	70	B&K Const.	Working on I-wall forms; moving + cutting Frodingham Sheet Piling; Driving sheets for Temporary Cofferdams; Finishing concrete surfaces of I-wall Mouldings.
11	Skilled	94	"	
2	Supt.	18	"	
1	QC, Rep.	8	"	

## EQUIPMENT

DESCRIPTION	R/DEP	SAFETY CHECK	HRS U <sup>SED</sup>	IDLE	REPAIR
Komatsu 200 Excavator 1	—	Yes	2	6	—
Komatsu D37P Dozer	—	Yes	1	7	—
Kubota 151 Excavator	—	No	0	8	—
Case 580 Backhoe #1	—	Yes	3	5	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	Yes	5	3	—
MKT V-5 Vibratory Hammer Rental	—	Yes	8	2	—
KOMATSU EXC. 200 #2 and DCP EMV-300 hammer	—	Yes	4	4	—
Case 580 BACKHOE #2	—	Yes	3	5	—
WELDING MACHINE	—	NO	0	8	—
KOEHRING 535 CRANE	—	Yes	8	2	—
KOEHRING 405 CRANE	—	No	0	8	—
J.S.W. Excavator	—	Yes	3	5	—

## MATERIALS RECEIVED

NONE RECEIVED TODAY

## TESTS PERFORMED

(As required by plans/specifications)

Delta Testing performed vibration monitoring on the East Bank at approx. station 72+00, adjacent to the sheet pile driving work here. Results are furnished by Delta Testing only to the Orleans Levee Board.

Three test cylinders (from 9-7-95) were delivered to the Government Lab today by B&K Construction.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED

Inspected the Temporary Flood Protection work done today on the East Bank. CZ-101 and CZ-114 sheet piles, between 12' and 18' long were driven to a cut off elevation of +7.25 (approximate). Some longer sheet piles could not be driven to this cut off elevation, due to obstructions or resistance, and were left standing up 1' to 3' above 7.25. All sheet piles were fully interlocked, and the ground elevation at the point of penetration was +2.00 to +3.00. These temporary sheet piles were located approximately 6' on the Canal side of the existing floodwall. Tie-ins will be made once 300' of Temp. Cofferdam has been built. There are currently two crews working on Temp. Flood Protection. One is at East Bank Mira beam → Filmore, and one at East Bank Filmore → P.S. #4.

JOB SAFETY

Inspected the rigging used to lift F-Wall forms and to hoist and drive sheet piles. Wire rope slings and screw pin anchor shackles were found to be in good condition. Shackles on pile driving hammer were secured with tie-wire, to prevent them from vibrating loose.

A check of canal water revealed no pollution from the contractor's activities today.

REMARKS

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice  
Authorized Q C Representative

9-12-95  
Date



**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
192

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE  
02 Sept thru 10 Sept 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
See CQC reports

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 69°	MAXIMUM 94°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.00"	ENDING 0730 10 Sep 95 M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 4-11	OFFICE	LAYOUT	INSPECTION	TOTAL 4-11	LABOR
---------------------	--------	--------	------------	---------------	-------

FEET 2.5' to 2.7'	TIME 0800	a M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-65.5	SKILLED 12-339.0	LABORERS 11-342.0	TOTAL 25-746.5	FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; RESTEEL INSTALLATION
- b. Gill's Crane Service, Inc. - EXISTING SHEET PILES
- c. Barnes Electric - FEEDER LINE RELOCATION

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors buy letter in Table above)

See attached CQC Reports for details of work performed by Prime Contractor and the Sub-Contractors during this period.

Days of no work and reasons for same:

No delays were incurred so far this month.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K, Gill, and Barnes Electric during this period, except on 02, 03 and 04 Sept 1995, at Contractor's option.

DATE SET FOR COMPLETION: 04 May 96 PERCENT PROJECT COMPLETE: 38.9%  
PERCENT TIME ELAPSED: 62.2%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

see attached PE's Quality Assurance Supplemental Report for details of CQC Inspection Phases attended during this period.



RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES

See attached PE's Quality Assurance Supplemental Reports for details of QA Inspections performed throughout this period.

VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)

None.

CONTROVERSIAL MATTERS IN DETAIL

None.

INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS

None.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (~~date~~/period).

REMARKS (include visitors to project and miscellaneous remarks pertinent to work)

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Lt Col Gordon Clark	Dep. Dist. Engr.	01	Dep Dist Engr
Chester Ashley	Area Engineer	01	AE
Dennis Duhon	Supv Civ Engr	01	SCE
Chris Wagner	Proj Engr	08	PE

SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken)

See attached PE's QA Supplemental Reports.

INSPECTOR'S SIGNATURE

Jennifer Avettant

DATE

12 Sep 95

SUPERVISOR'S INITIALS

gw W 9/20

DATE

9/14/95



### QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:** Observed personnel forming up the fin-rod (collar) monolith near Robert. E. Ln. Observed finishers rubbing + patching I-walls on west side + subcontractor pulling the existing sheet piling near Sta. 103+00 E B/L. Sheet piling was stock piling + to be removed from site at later date. All personnel wearing hard hats + safety shoes when working on-site.

**Instructions to COC/Remarks:** N/A

Chrisf Wagner Proj Engr  
 Name Title

## QUALITY ASSURANCE REPORT SUPPLEMENT

## OA Inspections Performed &amp; Results:

Observed concrete placement for tie-in collar at R. E. Lee W. B/L. + witnessed air & slump tests. See attached sheet for results. Concrete was well vibrated when placed in forms. Also observed the unloading of temp. cotterdam sheets for the east side lower. Sheets varied in length with a minimum length of 12'. Work to begin tomorrow.

## Instructions to COC/Remarks:

Informal COC cap Jerry Justice that sheet piling for cotterdam must be tied-in to the existing wall & down to the required tip el. prior to cutting & removing the existing protection. He agreed to this.

Chris J. Wagner  
Name

Proj Engr  
Title

## QUALITY ASSURANCE REPORT SUPPLEMENT

OA Inspections Performed & Results: Observed personnel begin  
driving temp. cofferdam sheet piling near  
Pump Sta. #4. Only a few shafts  
were down when on-site. Contractor had  
wrecked form for tie-in collar monolith  
but had part to patch tie-rod holes.  
This would be done later in day.

Instructions to COC/Remarks: Site visit was made to Lt.  
Col. Gordon Clark, Chester Ashley, Dennis  
Dehor + myself to view completed work  
+ on-going work at job. Briefing was  
given to Lt. Col. Clark at trailer.

Chris J. Wagner  
Name

Proj Engr  
Title

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 9/05/95

REPORT NO.: 240

SKIES: clear - Pt. cloudy RAIN: 0 IN. TEMP.: 72 MIN 94 MAX

DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (2.5) NOISE: Minimal

WORK PERFORMED/LOCATION

Saturday - 9-2-95 No Work Performed  
 Sunday - 9-3-95 No Work Performed  
 Monday - 9-4-95 No Work Performed (LABOR DAY)  
 9-5-95 Tuesday B+K Construction - welded #6 Rebar to top of C2-101 sheet piles for Cathodic protection at East Monoliths #40, #41, #42, #43, #44, #45, and #46. Carpenters formed up West Monolith #171 (not completed yet). Braced off silt fence posts from East B<sub>2</sub> Sta. 88+00 to Sta. 85+50, and from East B<sub>2</sub> Sta. 84+40 to Sta. 82+00. Cement finishers patched and repaired West I-Wall Monoliths #147, #146, and #145 - Land side only. Operator degraded levee from East B<sub>2</sub> Sta. 80+50 through Sta. 84+00, widening Temp. Access Road in this area. Worked on set up of new vibratory hammer (D.C.P. EMV-300) attaching it to the Komatsu 206 #2. Also worked on Temp. Water connections for East Bank Pump Sta. #4 to Filmore Avenue. Surveyor layed out holes for rebar placement. Gill's Crane Service - Setting up crane and mobilizing V-5 hammer to begin pulling existing sheet piles on the East Bank at Pumping Station #4.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
10	Unskilled	76	B+K Const.	Welding #6 Rebar to C2-101
9	Skilled	68	"	Sheets; forming collar #171;
1	Supt.	8.5	"	Bracing silt fence posts;
1	Q.C. Rep.	8.5	"	finishing concrete surfaces of
				I-Wall Monoliths; setting up
				New Vibratory hammer. (see Above)
1	Skilled	7	Gill's Crane	Setting up Crane and V-5
2	Unskilled	14	"	hammer to pull exist. sheets
				(see Locations Above)

## EQUIPMENT

DESCRIPTION	R/DEP	SAFETY CHECK	HRS U. )	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	3	5	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	NO	0	8	—
MKT Vibro Hammer	—	NO	0	8	—
Fiat-Allis MotorGrader	—	NO	0	8	—
Mantis 3612 Crane	—	NO	0	8	—
KOMATSU EXC. 200 #2	—	yes	3	5	—
Case 580 BACKHOE #2	—	yes	3	5	—
WELDING MACHINE	—	yes	6	2	—
KOEHRING 535 CRANE	—	yes	3	5	—
KOEHRING 405 CRANE	—	NO	0	8	—
J.S.W. Excavator	—	yes	3	5	—

## MATERIALS RECEIVED

NONE RECEIVED TODAY

## TESTS PERFORMED

(As required by plans/specifications)

None Required Today

## INSPECTIONS PERFORMED

Inspected the cathodic protection work done today on the East Bank at monoliths #40 through #46. The material used was #6 reinforcing bar, clean and free of rust, oil, or debris. This #6 bar was tack-welded to each piece of C2-101 sheet piling along the top and center of the sheets. The re-bar did not extend through the Monolith Joints, but stopped approx. 6"-8" short of the expansion joints on each side. Bent bars were lapped with straight bars, tack-welded together, and tack-welded to each piece of piling at the elevation change in sheet pile cut off grade. The work inspected was acceptable, and met all requirements of the Contract Plans and Specifications.

Also inspected the concrete finishing work done on West E-Wall Monoliths #147, #146, and #145 today. Holes were patched and filled, and joint lines and protrusions were chipped and patched smooth. The fractured fin area was also repaired; all holes 2" in diameter or larger were patched & smoothed over. Any damaged fins were also repaired. Approval of the finished product is subject to final approval by the Government.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked reverse alarms on 580 Rubber Tire Backhoes today. Both machines had working back-up alarms.

Held the safety meeting this morning at 7:00 AM in the yard at Robert E. Lee and Pratt Drive. New employees were read the safety guidelines for B+K Construction, and informed of all Corps of Engineers safety requirements for this project. Find the minutes of the meeting attached to this report.

## REMARKS

(Instructions received, miscellaneous remarks)

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.

Jerry M. Justice

Authorized Q.C. Representative

9-6-95

Date



MINUTES OF SAFETY MEETING

DATE: 9-5-95

TIME: 7:00 Am

PROJECT: London Avenue Canal Floodwall

MEETING CONDUCTED BY: Jerry Justice

PERSONS ATTENDING:

Beryl Jones Jr.  
John Ferrara  
Mark Webb  
Ernie Parnell  
James K. Parnell  
John Belmont  
Willie Sullivan  
Bob J. Gungor

Al Stechmann  
Marty Walker  
Greg Jackson  
Robert J. Lee  
Al Stechmann  
Chal Evans  
Bryan Heider  
Mark Steiner  
Ronald Brown  
Jerry Justice  
Mike Comaux  
Steve Thome

TOPICS DISCUSSED:

Reviewed the B+K Construction Safety Plan and Policies today, with emphasis on responsibilities of employees in the field. Some new employees were informed of hazards specific to this jobsite, and the protective equipment requirements (hard hats, steel toe boots, and quarter-length shirt sleeves). No tennis shoes, tank tops, or sleeveless shirts allowed. Also informed all employees that Mike Tassin, Al Stechmann, Jerry Justice, Mike Comaux and Steve Thome are all First Aid Certified, should an employee need First Aid medical attention.

COMMENTS:

There are some safety items and equipment that we need to order and furnish to the field workers. These items are: more traffic flags and vests; replacement lenses for burning goggles; more safety glasses; more ear plugs (disposable type). Supt. Mike Tassin said that he will procure these items this week.

Mike Tassin  
CONTRACTOR'S SUPERINTENDENT

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 9/6/95

REPORT NO.: 241

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 70 MIN 93 MAX

DUST: Some LEVEE CONDITION: <sup>BONE</sup> Dry CANAL GAUGE: (2.6) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Carpenters continued forming West Mon. #171 (collar); finished tying re-steel, and began installing tie-bolts. Welded #6 rebar on top of C2-101 sheet piles at East Monoliths #47, #48, #49, and #50. Laborers cut grass and weeds on the East Bank, and cleaned up debris from construction. Cement finishers patched and rubbed concrete surfaces at West I-wall Monoliths #145, #144, #143, and 1/2 of #142. Worked on set up of new "Dawson Emv-300" vibratory hammer, to be used with Komatsu 200 to drive Temporary Cofferdams. Surveyor established control elevation marks for AZ-18 sheet pile cut off. Operators strung out Temporary sheet piles for cofferdam work from East B Sta. 99+75 to 88+50.

Gill's Crane - Pulled and stacked existing Frodingham sheet piles on the East Bank at station 103+65 to station 104+10.

Barnes Electric - Removed every other bracket from feeder line FL340 between East B station 84+50 and station 82+00. Also tied down the Barnes Electric Work Trailer with tie-down anchors and straps in the Prentiss Ave. yard.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
10	Unskilled	76	B+K Const.	Forming up collar #171;
10	Skilled	76	"	Finishing I-wall concrete surfaces;
1	Supt.	8.5	"	Cutting Grass + Weeds; Establishing
1	Q.C. Rep.	8	"	control elevation marks; Setting up New Vibratory hammer;
1	Skilled	8	Gill's Crane	Pulling existing Frodingham sheet
	Unskilled	8	"	piles (see Locations Above)
1	Skilled	4	Barnes Elect.	Preparatory work for FL340 relocation. (See Stations Above)

## EQUIPMENT

DESCRIPTION	R/DEP	SAFETY CHECK	HRS USE	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	2	6	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	yes	6	2	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	3	5	—
KOMATSU EXC. 200 #2	—	yes	3	5	—
Case 580 BACKHOE #2	—	yes	3	5	—
WELDING MACHINE	—	yes	4	4	—
KOEHRING 535 CRANE	—	yes	7	1	—
KOEHRING 405 CRANE	—	No	0	8	—
J.S.W. Excavator	—	yes	3	5	—

## MATERIALS RECEIVED

NONE RECEIVED TODAY

## TESTS PERFORMED

(As required by plans/specifications)

Delta Testing performed vibration monitoring on the East Bank adjacent to sheet pile pulling work today (approximate Sta. 104+00). Results are being furnished only to the Orleans Level Board.

Inspected pulling of Frodingham 3NA sheet piling today. No damage to new I-wall was observed. Some voids were noted at the top of the ground, although the voids did not appear large or deep. These will be filled with existing soil and compacted before embankment or backfill work begins. Pulled sheets were  $\pm 26'$  long, and stacked on the levee crown, to be hauled to Mirabeau and Filmore Avenues for Temporary Cofferdam work.

Also inspected the work done by Barnes Electric today. Feeder line FL340 was not removed from its original location, however half of the brackets were removed to speed up the relocation of FL340 when the time comes. Every other holding bracket was left in place until relocation is required here. No damage done to the feeder lines by Barnes Electric or BTK Construction to this date.

## JOB SAFETY

(Note inspection, violations/actions taken)

Inspected the welding operation today on the East Bank near Filmore Avenue. Welder was wearing the protective shield and welding lenses, as well as leather welding gloves. A five lb. ABC fire extinguisher was kept near welding work.

Checked equipment exhaust systems today. No sign of excessive smoke, fumes, or noise was observed.

## REMARKS

(Instructions received, miscellaneous remarks)

We plan to pour concrete at West Mono. #171 (collar) tomorrow around 12:00 noon. Mr. Chris Wagner was notified today, due to the absence of Inspector Zane Bryant this week.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.

Jerry Justice  
Authorized Q C Representative

9-7-95  
Date

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 9/7/95

REPORT NO.: 242

SKIES: Clear

RAIN: 0

IN. TEMP.: 69 MIN 92 MAX

DUST: SDME

LEVEE CONDITION: <sup>BONE</sup> DRY CANAL GAUGE: (2.6) NOISE:

WORK PERFORMED/LOCATION

B&K Construction - Completed forming west Monolith #171 (collar at west B Sta. 119+63 → 119+68). Poured concrete at West Monolith #171 today. Cement finishing crew patched and repaired West I-Wall Monoliths #142, #141, #140, and 1/2 of #139 (subject to final approval by the Project Inspector). Operator unloaded sheet piling for Temporary Cofferdams. Began driving Temporary Flood Protection Cofferdams at two locations: East B station 99+75 to 99+55, and East B Sta. 73+00 to 72+90. Laborers cut grass + weeds on the East Bank between Filmore and Mirabeau Avenues. Surveyor established grades for Temporary Cofferdams and layed out holes for rebar at East Bank Monoliths #50, #49, and #48.

Gill's Crane Service - Pulled existing sheet piles (Frodingham-3NA) on the East Bank from B station 103+65 to sta. 103+00. These were stacked on the levee crown, to be hauled offsite later.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
10	Unskilled	76	B&K Const.	Unloading Temporary Cofferdam
10	Skilled	76	"	Sheets; Forming & Pouring West
1	Supt.	8	"	Monolith #171; Finishing I-Wall surfaces;
1	Q.C. Rep.	8	"	Driving Temp. Cofferdams; Cutting
1	Skilled	8	Gill's Crane	Grass + Weeds; Working on I-Wall
1	Unskilled	8	"	Steel forms. (See Locations Above)
				Pulling existing Frodingham
				sheet piles (See Location Above)



## EQUIPMENT

DESCRIPTION	R/DEP	SAFETY CHECK	HRS U	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	2	6	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	NO	0	8	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	yes	8	0	—
MKT Vibro Hammer	—	yes	8	0	—
Fiat-Allis MotorGrader	—	NO	0	8	—
Mantis 3612 Crane	—	yes	4	4	—
KOMATSU EXC. 200 #2 with D.C.P. EMV-300 hammer	—	yes	6	2	—
CASE 580 Backhoe #2	—	yes	3	5	—
MKT V-5 hammer (Rental)	Arrived	yes	2	6	—
WELDING MACHINE	—	NO	0	8	—
KOEHRING 535 CRANE	—	yes	4	4	—
KOEHRING 405 CRANE	—	NO	0	8	—
J.S.W. Excavator	—	yes	3	5	—

## MATERIALS RECEIVED

Received 7 cubic yards of concrete (Mix #44-C) from Lafarge Concrete Company today. Delivery tickets were furnished to the Government for this material which was placed in West Monolith #171 today.

## TESTS PERFORMED

(As required by plans/specifications)

BTK Construction performed concrete tests and inspection on mix #44-C delivered by Lafarge Concrete Company today. Results of these tests are documented on the attached Concrete Field Data Summary sheet. Three test cylinders were molded, and will be delivered to the Government Lab on Monday.

Delta Testing monitored vibrations caused by sheet pile pulling operations at East B Sta. 103+50 today. Results of these tests are only furnished to the Orleans Level Board.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED

Inspected the Temporary Cofferdam work begun today. Sheets used were 12' to 16' long CZ-101 and CZ-114 piling. Sheets were all interlocked, and driven to a cut off elevation of +6.75 minimum; +7.50 maximum. Ground elevation was approximately +2.50 to +3.50 at the location of the Temp. Flood Protection sheets. Top elevations were controlled by laser level, and/or by control elevation marks on adjacent sheet pile wall.

Inspected the concrete collar at West Monolith #171 prior to concrete placement today. Form condition was good, and form oil was applied prior to form placement. Forms were plumb and level, and braced off adequately. Tie-bolts were used to prevent form failure.  $\frac{3}{4}$ " Chamfer Strip was installed at all exposed corners and edges. Reinforcing steel was properly installed, was clean, and clearances were 2" to 3" all around. The required sheet metal diaphragm and sealant were installed as shown on the drawings.

JOB SAFETY

Checked sheet pile driving and pulling operations today. Workers wore hard hats and steel toe boots. Rigging was in good condition; sheet shackles were used to lift piling pieces; screw pin anchor shackles were secured with tie wire. Wire rope slings were free from defects and excessive damage.

REMARKS

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry M. Justice

Authorized Q C Representative

9-8-95

Date

E K CONSTRUCTION COMPANY,  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 9-7-95

Pour Location West Monolith #171 - Collar  
± Station 119+63 → 119+68

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 psi

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.	
277824	12:35	2:20	1.0" o	20	3.5" x	82°	88°	5.8	3	1:00	7
277824	12:35	2:20	1.0" o	20	3.5" x	82°	88°	5.2	-	1:30	-

REMARKS: Test Cylinder Set # LA-81.

NOTE: "x" = Actual Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN: Steve Thome



JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH West #171 (COLLAR) LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 9-7-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	9-7-95	10:50			
VERTICAL	✓	11	11			
ALIGNMENT	✓	11	11			
CLEANLINESS	✓	11	11			
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmd	9-7	10:55			
CLEANLINESS	✓	11	11			
WATERED	✓	11	11			
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	9-7	11:00			
VERTICAL	✓	11	11			
HORIZONTAL	✓	11	11			
SPACING	✓	11	11			
CLEARANCES	✓	11	11			
STEEL SCHEDULE	✓	11	11			
SHOP DRAWINGS	✓	11	11			
TIE WIRES	✓	11	11			
#6 BAR WELDED	✓	11	11			
CLEANLINESS	✓	11	11			
WATERED	✓	11	11			
E. FORMWORK	Jmd	9-7	11:05			
CONDITION	✓	11	11			

ITEM	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	9-7	11:05			
CLEANLINESS	✓	"	"			
RELEASING AGENT	✓	"	"			
TIES AND BOLTS	✓	"	"			
#2 shaped collar LENGTH ± 5.25	✓	"	"			
WIDTH ± 1.75'	✓	"	"			
HEIGHT 11.5'	✓	"	"			
WATERSTOPS	✓	"	"			
CHAMFER STRIPS	✓	"	"			

F. WEATHER PROTECTION JmJ 9-7 11:10

G. SAFETY (LIST)	NAME	DATE	TIME
1. Eye Protection	JmJ	9-7	11:10
2. Rigging	✓	"	"
3. Ladders	✓	"	"

H. OTHER CHECKS PER SPECIFIC JOB	NAME	DATE	TIME
Expansion material	JmJ	9-7	11:15
18 gauge sheet metal Diaphragm	✓	"	"
Plastic Sealant	✓	"	"

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#3612	12:45	1.5				
Conc. Bucket	1	1.0 c.y.	"	"				
Conc. Vibrator	1	18' shaft	"	"				

J. REMARKS SLUMP = 3 1/2" + 3 1/2" ; AIR ENTR. = 5.8% + 5.2% ; CONCRETE TEMPS = 82° + 82°  
 AIR TEMPS = 88° + 88° ; 3 Test Cylinders (LA-81)  
 FINAL CLEARANCE

CONTRACTOR REPRS: Jerry M Justice C.O.E. REPRS:

**INSTRUCTIONS**  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "II" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 9/8/95

REPORT NO.: 243

SKIES: Clear Pt. Cloudy RAIN: 0 IN. TEMP.: 69 MIN 93 MAX

DUST: Some LEVEE CONDITION: <sup>Bone</sup> Dry CANAL GAUGE: (2.7) NOISE: Moderate

WORK PERFORMED/LOCATION

- ① B+K Construction - Wrecked forms at west mono, #171 (collar). Carpenters worked on repair of steel I-wall forms, and began modifying them for the next reaches of floodwall. Cement finishing crew patched and repaired concrete surfaces on west monoliths #139, #138, and #137, today. Also patched tie-bolt holes at West Mono. #171 (Collar). Drove sheet piles for Temporary Cofferdams from East B Station 99+55 to 99+05, and from East B Station 72+90 to station 72+40. Burned holes in C2-101 sheet piles for rebar to pass through at East monoliths #47 and #46. Surveyor laid out East bank monolith holes and slots, and established elevation controls for Temp. Flood Protection sheets. Laborers cut grass + weeds; covered mono, #171 with burlene and wet down concrete and burlene.
- ② Gill's Crane Service - Pulled existing sheet piles (Frodingham 3NA) on the East Bank between station 103+00 and station 102+65. Stacked these sheet piles on the levee crown, to be hauled off later.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
10	Unskilled	76	B+K Const.	wrecking forms; Repairing steel
11	Skilled	84	"	I-wall forms; Patching + repairing
1	Supt.	8	"	concrete I-wall surfaces; Driving
1	Q.C. Rep.	8	"	Temporary Cofferdam sheet Piles;
				Burning holes for rebar.
				(See Locations Above)
1	Skilled	8	Gill's Crane	Pulling + stacking existing
1	Unskilled	8	"	Frodingham sheet piles

**EQUIPMENT**

DESCRIPTION	HR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	Yes	2	6	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	No	0	8	—
Case 580 Backhoe #1	—	Yes	3	5	—
Koehring 535 Crane	—	Yes	7	1	—
MKT Vibro Hammer	—	Yes	7	1	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	Yes	4	4	—
Hand DCP EMV-300	—	Yes	6	2	—
KOMATSU EXC. 200 #2	—	Yes	6	2	—
MKT V-5 Hammer	Rental	Yes	6	2	—
Case 580 BACKHOE #2	—	Yes	3	5	—
WELDING MACHINE	—	No	0	8	—
KOEHRING 535 CRANE	—	Yes	6	2	—
KOEHRING 405 CRANE	—	No	0	8	—
JSW Excavator	—	Yes	2	6	—

**MATERIALS RECEIVED**

*NONE THIS DATE*

**TESTS PERFORMED**

(As required by plans/specifications)

*NONE THIS DATE*

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED

Inspected the cement finishing work done today on the West Bank. The crew worked on the "LAND SIDE" of the walls exclusively. Holes and voids  $\frac{1}{2}$ " in diameter or larger were patched and smoothed over. Joint lines, seams, and ridges were chipped and finished smooth. Grey and white Portland Cement were blended to yield a color that matched existing concrete surfaces. The Canal side of the T-wall will be finished after Land Side is complete.

Inspected the Temporary Flood Protection (cofferdams) being built today. All sheet piles were interlocked fully. CZ-101 and CZ-114 sheets from 12' to 16' in length were being installed along the Canal side of the existing floodwall. The ground elevation at the point of entry was +2.5 or higher. Sheets were driven to a cut off elevation of +7.25 (approximate). Some sheets were left up higher than +7.25 due to their length (over 14' long), and because of hard driving resistance.

JOB SAFETY

Checked the worker using oxygen/acetylene torch on the East Bank today. The compressed gas cylinders were secured in a bottle cart in their upright positions. Anti-backflow valves were in place on both oxygen and acetylene hoses. The burner wore burning goggles + dark lenses, as well as leather gloves, safety toe boots, and a long sleeve shirt while using the torch.

REMARKS

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice  
Authorized Q C Representative

9-11-95  
Date

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
191

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Friday  
01 September 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly cloudy and hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION 100%	BORROW EXCAVATION 100%	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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TEMPERATURE	
MINIMUM 74°	MAXIMUM 98°

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 aM

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			1-8	1-8	

Canal RIVER STAGE	
FEET 2.6'	TIME 0800 aM

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-16	11-83	11-84	24-183

NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
---------------------------------------	----------------------------	----------------------------

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - RESTEEL INSTALLATION; CONCRETE FLOODWALL
- b. Barnes Electric - FEEDER LINE RELOCATION
- c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

- a. Tied resteel at the tie-in collar at W B/L Sta. 119+63, worked on forms, also, at this location; Concrete finishers repaired concrete W Monos #150, #149 and #148, P/S only; trenched for temp sheet and feeder line relocation at E B/L Sta 92+00 to 99+00.
- b. Removed retaining brackets between E B/L Sta. 70+00 and 77+50.

Days of no work and reasons for same:

No delays were incurred so far this month.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K and Barnes Electric. No work was scheduled for Gill or Arcadia this date.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 38.6%  
PERCENT TIME ELAPSED: 60.8%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspections Phases this date:

- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- RESTEEL INSTALLATION: No instructions issued.
- FEEDER LINE RELOCATION: No instructions issued.
- TEMPORARY FLOOD PROTECTION: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-up QA Inspections were performed this date:

REINFORCED CONCRETE FLOODWALL: Observed carpenters tying resteel at the tie-in collar at W B/L Sta. 119+63, Robert E Lee Boulevard. Also, observed carpenters working on forms at this same location. Concrete finishers repaired W Monos #150, #149 and #148, P/S only. Observed cathodic protection bond cables being installed at E Mono Joints #17-16, #16-15, #15-14 and #14-13. Noted that #6 rebar was welded on top of CZ-101 sheet piles at E Monos #39, #38, #37, #36, #35 and #34.

RESTEEL INSTALLATION: Observed carpenters tying resteel at the tie-in collar at Robert E. Lee Boulevard, at W B/L Sta. 119+63. Resteel was being tied in accordance with approved shop drawings.

FEEDER LINE RELOCATION: Observed contractor removing every other retaining bracket from FL 340, between E B/L Sta 70+00 and 77+50.

The following Preparatory Inspection was performed this date:

Temporary Flood Protection: See attached minutes.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

None.

**CONTROVERSIAL MATTERS IN DETAIL**

None.

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS**

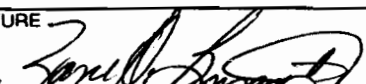
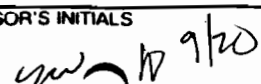
Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE		DUTIES
	DESIGNATION	HRS. ON SITE	
Z. Bryant	Const Insp (GS-07)	07	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Observed personnel wearing hard hats and safety shoes, in accordance with EM-385-1-1. No safety infractions noted this date.

INSPECTOR'S SIGNATURE Zane Bryant 	DATE 12 Sep 95	SUPERVISOR'S INITIALS 	DATE 9/14/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 9/01/95

REPORT NO.: 239

SKIES: Clear - Pt. Cloudy    RAIN: 0    IN. TEMP.: 74 MIN 98 MAX

DUST: Some    LEVEE CONDITION: Dry    CANAL GAUGE: (2.6) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Carpenters worked on tying re-steel at the tie-in collar at Robert E. Lee Blvd. (West of Sta. 119 + 63 ±), and worked on forms for the same location. Laborers began cleaning concrete over-pour off of steel I-wall forms in the yard, and cleaned up trash & debris. One man cut grass & weeds on the West Bank. Cement finishers patched and repaired concrete I-wall monoliths #150, #149, and #148 (West Bank; Land Side Only). Operator dressed temporary Access Roads, East of 70 + 00 to Sta. 99 + 75. Installed cadwelds (cathodic protection bond cables) at East Monolith Joints #17-16, #16-15, #15-14, and Joint #14-13. Welded #6 Rebar on top of C2-101 Sheet piles at East Monoliths #39, #38, #37, #36, #35, and #34.

Second crew completed trenching for Temp. Sheets and feeder line relocation from East of Sta. 92 + 00 to Sta. 99 + 00. Additional silt fence material was added between East of Sta. 95 + 00 and Sta. 85 + 75. Braced off fence posts to prevent fence failure from East of Sta. 95 + 00 to Sta. 88 + 00.

② Barnes Electric - Removed every other retaining bracket from FL340 between East of station 70 + 00 and station 77 + 50.

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
11	Unskilled	84	B&K Const.	Forming and tying Re-steel at
10	Skilled	76	"	tie-in collar; cleaning I-wall forms;
1	Supt.	8	"	Finishing I-wall concrete; Installing
1	Q.C. Rep.	8	"	bond cables and welding #6 bar
				for cathodic protection; Working on
				silt fence, access road, and trenching.
1	Skilled	7	Barnes Electric	Feeder Line Relocation
				Preparatory work
				(See Locations Above)

**EQUIPMENT**

DESCRIPTION	RTR/DEP	SAFETY CHECK	HRS USLD	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	2	6	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	yes	5	3	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	—
Fiat-Allis MotorGrader	—	yes	3	5	—
Mantis 3612 Crane	—	No	0	8	—
KOMATSU EXC. 200 #2	—	yes	2	6	—
CASE 580 BACKHOE #2	—	yes	3	5	—
WELDING MACHINE	—	yes	3	5	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	No	0	8	—
Bobcat X325	Departed	yes	5	3	—

**MATERIALS RECEIVED**

NONE RECEIVED TODAY

**TESTS PERFORMED**

(As required by plans/specifications)

NONE PERFORMED TODAY

Inspected the cathodic protection work done today on the East Bank between Mirabeau and Filmore Avenues. Sheet piles were sanded and clean prior to cadwelding the bond cables to C2-101 sheet piles. Location of the bond cables was approximately 4" to 6" below the bottom of the proposed stabilization slab. Cables were exothermically welded to the sheet piles at each side of the monolith joints shown on page #1. Epoxy caps were placed over the exposed portions of the wire and welded portions.

Bond cables were checked to insure that they were securely attached, and all cable were firmly bonded to the C2-101 sheet-piles. Holes excavated for cable installation will be backfilled on Tuesday morning, as we need to work on the Temporary Access Road at that time.

## JOB SAFETY

(Note inspection, violations/actions taken)

Provided safety glasses to laborers chipping concrete off of T-wall forms.

Checked workers for hard hats and steel toe boots today. All employees were wearing proper hard hats in good condition, as well as steel toed safety boots or shoes. No violations were noted.

## REMARKS

(Instructions received, miscellaneous remarks)

Barnes Electric Company will not do any work or relocation of feeder lines until a preparatory meeting can be held. The preliminary work done today does not affect the Feeder Line at all, and the Feeder was de-energized today while work was being done.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.

Jerry Justice

Authorized O C Representative

9-5-95

Date

Preparatory Agenda  
Temporary Flood Protection  
9-1-95

1. 24 hour notice was given on 8-31-95 to Government Inspector Zane Bryant.
2. Check was made to insure that all necessary personnel will be present
3. Submittals must be checked to determine whether all requirements have been satisfied for this phase of work.
4. Methods of accomplishing this work must be discussed (including materials, equipment and personnel involved).
5. Job Hazard Analysis review shall be made; potential hazards and prevention of accidents will be discussed.
6. Quality Control monitoring and reporting must be discussed and agreed upon.
7. All parties present must agree on the scope of work, quality of workmanship required and then sign the attendance register.

B+K Construction Company  
London Avenue Canal Floodwall  
DACW29-94-C-0079

Temporary Flood Protection  
Preparatory Meeting Minutes  
(East Baseline Station 70+26 to 99+69)  
9-1-95

A preparatory meeting was held today in the field office of Inspector Zane Bryant (U.S. Army C.O.E.) to discuss the Temporary Flood Protection phase of this project. Present for today's meeting were Inspector Zane Bryant, and representing B+K Construction were Supt. Mike Tassin, Supt. Al Stechmann, and Q.C. Representative Jerry Justice. The required 24 hour notice was given to the Government on 8-31-95.

The methods of accomplishing this phase of work were presented by Supt. Al Stechmann and Supt. Mike Tassin. Between East  $\beta$  station 70+26 and 84+30, Sheet piling will be driven to a top elevation of +7.25 using the Koehring 535 Crane and the MKT V-5 Vibratory Hammer. The Komatsu 200 and the newly acquired D.C.P. EMV-300 vibratory hammer will be used to drive sheet piles between East  $\beta$  Sta. 85+54 and sta. 99+69.

Temporary sheet piles consist of C2-101 and C2-114 piling, varying in length from 12' to 16'. These will be driven parallel to the  $\mathcal{E}$  of the new I-Wall to be constructed at a distance of 6' from  $\mathcal{E}$  towards the Canal side. No existing flood protection will be removed until the Temporary Cofferdam is completed and tied in, to provide water tight flood protection to a minimum elev of +6.75.

The maximum gap during Hurricane Season will be 300' for each crew, and during Non-Hurricane Season, a 750' gap will be allowed for each crew. Each crew will have the capability to close the breach in the event of a hurricane threat within 24 hours of being notified to do so.

Temporary Flood Protection will not be removed until new I-Wall is completed, and cured for the required time period. At this time, the sheets will be pulled and redriven ahead of the I-Wall construction, and so on.

The Job Hazard Analysis was then reviewed, and ways of preventing accidents and injuries were discussed.



Mr. Stechmann and Mr. Tassin stated that they would follow up daily on the employees, making sure that hard hats, steel toes, and leather gloves were worn for personal protection. Mr. Justice said that he would check rigging and equipment, as well as remind the operators performing this work to do the same each day. Electric Feeder Lines will be de-energized daily before starting any work in the vicinity. These feeder lines will be protected from possible damage for 25' on each side of the work area. A preparatory meeting will be held in the near future to discuss the relocation of these feeder lines.

With all matters adequately covered, and all parties in agreement as to the scope and quality of the work required in this phase, the meeting was adjourned.

Jerry Justice

Jerry Justice

B & K Construction Co.

Quality Control Rep.

9-1-95 Preparatory Meeting  
Attendance Register (94-C-0079)  
B+K Construction Company

Jerry Justice  
Mr. Steckmann  
ZANE BRYANT  
MIKE TASSIA

B+K Construction  
B+K Construction  
COE, QA Rep.  
B+K const.

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
190

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Thursday  
31 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100%	BORROW EXCAVATION 100%	EMBANKMENT 100%	CONCRETE 100%	STRUCTURE 100%
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MINIMUM 73°	MAXIMUM 96°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-13 hrs	TOTAL 2-13 hrs	LABOR
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FEET 2.20'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-14 hrs	SKILLED 10-77 hrs	LABORERS 11-84 hrs	TOTAL 23-175	FROM 0700 M	TO 1530 M	FROM M	TO M	FROM M	TO M
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FEET 2.20'	TIME 0800 M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (OCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALLS; BRIDGE DEMOLITION; TEMPORARY COFFERDAMS
- b. \_\_\_\_\_
- c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

a) Wrecked forms from W. Mono #111; Curing; Rubbing P/S surfaces of W. Monos #150 thru #152; Installed cathodic jumpers; Excavated trench on F/S of existing walls for Temp. Cofferdams & temp. relocation of feeder lines; Removed remaining walkway planks from pedestrian bridge at R. E. Lee Blvd.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04, 11 & 22 Aug 95.  
50% of days lost due to adverse weather/wet ground on 21 & 23 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K only this date. No work scheduled or performed by Gill or Arcadia this date.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 38.6%  
PERCENT TIME ELAPSED: 60.6%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- PEDESTRIAN BRIDGE DEMOLITION: No instructions issued.
- TEMPORARY COFFERDAMS: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Observed finishers continuing to rub P/S surfaces only on W. Monos #150 thru #152 this date. Checked surfaces of W. Mono #111 after forms were removed, and noted no major surface defects. Observed finisher patching tie-rod holes with dry-pack mortar as required on W. Mono #111. Observed Carpenters beginning to construct forms for the Concrete Collar between WB/L Sta's 119+63 & 119+67 (W. Mono #171). Checked installation of 14 cathodic protection jumper cables between E. Monos #17/#18 thru #30/#31. Found all jumpers to be properly cadwelded approx. 8" below elev. +3.00', properly coated with epoxy resin, and all have the required 8" loops.

**PEDESTRIAN BRIDGE DEMOLITION:** Observed B&K removing remaining walkway planks from the pedestrian bridge adjacent to R. E. Lee Blvd.

**TEMPORARY COFFERDAMS:** Observed B&K excavating a small trench on the F/S of the existing sheet piles between EB/L Sta's 85+50 & 92+00, for the installation of temporary cofferdam sheet piles (to be done at a later date). Trench being excavated approx. 6' on F/S of existing piles and approx. 1½' deep. Trench will also be used for temp. relocation of feeder lines.

**QUALITY CONTROL:** Contractor is providing adequate quality control.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN OCR REPORT OR DISAGREEMENTS.**

**NOTE:** Contractor informed QA Rep., Z. Bryant this date, that they (B&K) would like to hold a Preparatory Meeting for Temporary Cofferdam Sheet Piles/Flood Protection on Fri., 01 Sep 95, at 1030 hrs.. Contractor also gave QAR a copy of their Preparatory Agenda.


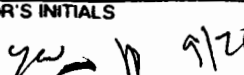
Contractor's Quality Control Report (submitted ~~not submitted~~) for this (date/~~period~~).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	7 hrs.	QAR
J. AVETTANT	Const. Insp., GS-04	4 hrs.	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Noted back-up alarms working properly on both Case 580 loader/backhoes this date.  
No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 01 SEP 95	SUPERVISOR'S INITIALS 	DATE 9/7/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/31/95

REPORT NO.: 238

SKIES: clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 73 MIN 96 MAX

DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (2.2) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Wrecked West I-wall Monolith #111, then moved these forms, and the third set of forms, to the yard at Robert E. Lee Blvd. for repairs. Carpenters worked on forming the tie-in collar at Robert E. Lee Blvd. West Bank, and braced off silt fence posts on the East Bank from Sta. 100+00 to Sta. 95+00. Bond cables were installed on the East Bank at Monolith Joints #31-30 through Joint #18-17. Operator trenched between East B Sta. 85+50 and Sta. 92+00 for Temp. Cofferdam installation and temporary relocation of feeder lines. Laborers cut grass and weeds on the West Bank, continued demolition of Pedestrian Bridge at Robert E. Lee Blvd. and cleaned up the compound area at Robert E. Lee and Pratt Drive. Cement finishers patched and repaired West I-wall Monoliths #152, 151, and #150. Survey crew verified Monolith lengths for East Bank I-wall between Sta. 85+54 and 99+69, and worked on new G layout in the same reach.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
11	Unskilled	84	B+K Const.	wrecking and moving I-wall forms;
10	Skilled	77	"	Forming collar at West B 119+63;
1	Supt.	8	"	Bracing East Bank silt fence;
1	G.C. Rep.	6	"	Installing bond cables for cathodic protection on East Bank; Finishing concrete surfaces of I-wall Monoliths;
				Surveying G Alignment; Demolishing Pedestrian Bridge
				(See Locations Above)

EQUIPMENT

DESCRIPTION	HR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	yes	3	5	-
Komatsu D37P Dozer	-	No	0	8	-
Kubota 151 Excavator	-	yes	7	1	-
Case 580 Backhoe #1	-	yes	3	5	-
Koehring 535 Crane	-	No	0	8	-
MKT Vibro Hammer	-	No	0	8	-
Fiat-Allis MotorGrader	-	No	0	8	-
Mantis 3612 Crane	-	yes	6	2	-
KOMATSU EXC. 200 #2	-	yes	2	6	-
Case 580 BACKHOE #2	-	yes	3	5	-
WELDING MACHINE	-	No	0	8	-
KOEHRING 535 CRANE	-	No	0	8	-
KOEHRING 405 CRANE	-	No	0	8	-
Bobcat X325 Excavator	-	yes	5	3	yes

MATERIALS RECEIVED

NONE THIS DATE

TESTS PERFORMED  
(As required by plans/specifications)

NONE THIS DATE



## INSPECTIONS PERFORMED

Inspected the quality of workmanship on the finishing of concrete surfaces at West I-wall monoliths #150, #151, and #152 today. All voids, air bubble holes, etc.,  $\frac{1}{2}$ " in diameter or larger, were chipped, filled and patched over to leave a smooth finish. The seams, ridges and joint lines were also chipped and finished smooth. Fractured fins that were damaged were repaired, and the fin area was also patched and rubbed (any holes  $\frac{1}{2}$ " or larger in diameter) to leave a smooth finish. All tie bolt holes had been previously patched and filled.

Also checked the cathodic protection bond cables installed on the East Bank today. Cables were 1/0 cathodic protection type "HMWPE" D. Surfaces were sanded and clean prior to cadwelding. Erico Products CA #65 cadwelds, and Royston HandyCap epoxy coatings were used. Bond cables were installed at each monolith joint (shown on Page #1) with the cable ends welded to sheet piles on each side of the joint interlock.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked rigging and spreader beam used to lift and move I-wall steel forms today. No defects or excessive wear was observed on the spreader beam, welds, lifting brackets, slings or shackles.

Laborers cleaned up trash and debris in and around the Pratt Drive staging area today.

## REMARKS

(Instructions received, miscellaneous remarks)

A preparatory meeting on Temporary Flood Protection between East B. Sta. 70+26 and Sta. 79+69 was scheduled for tomorrow at 10:30 AM in the field office of Inspector Zane Bryant. The Government was notified today.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice  
Authorized Q C Representative

9-1-95  
Date

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

189

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Wednesday  
30 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100%	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 76°	MAXIMUM 98°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.00"	ENDING 0730 M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 1-1 hr.	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 2-9 hrs	LABOR
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FEET 2.20'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-16 hrs	SKILLED 12-84 hrs	LABORERS 12-90 hrs	TOTAL 26-190	FROM 0700 M	TO 1630M	FROM M	TO M	FROM M	TO M
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FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; CLEARING & GRUBBING; BRIDGE DEMOLITION

b. \_\_\_\_\_

c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

a) Wrecked forms from W. Mono #113; Rubbed P/S of W. Monos #152 thru #154; Patched tie rod holes in W. Mono #113; Cleared & Grubbed between EB/L Sta's 70+20 & 84+40 and 85+50 & 99+75; Curing; Installed cathodic jumpers; Re-drove new CZ-101 sheet piles for Concrete Collar between WB/L Sta's 119+63 & 119+67; Removed walkway planks from Pedestrian Bridge at R.E. Lee.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04, 11 & 22 Aug 95.  
50% of days lost due to adverse weather/wet ground on 21 & 23 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K only this date. No work performed by Gill or Arcadia this date.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 38.6%

PERCENT TIME ELAPSED: 60.5%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

PEDESTRIAN BRIDGE DEMOLITION: No instructions issued.

CLEARING & GRUBBING: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed this date:

REINFORCED CONCRETE FLOODWALL: Made a visual inspection on the surfaces of W. Mono #113 after forms were removed and noted no major surface defects. Observed finisher patching all tie-rod holes in W. Mono #113 with dry-pack mortar as required. Observed finishers rubbing P/S surfaces only on W. Monos #152 thru #154 (not completed). Checked installation of 20 cathodic protection jumper cables w/8" loops between E. Monos #31/#32 thru #50/#51, and found all jumpers properly cadwelded & coated with epoxy resin approx. 8" below bottom of I-Wall elevation of +3.00'. Observed B&K re-driving the CZ-101 sheet piles between WB/L Sta's 119+63 & 119+67 to a top elev. of +5.75' for the Concrete Collar (W. Mono #171). Noted that W. Monos #111, #112, #113, #114, #115, #116, #117 & #119 were covered with wetted burlene for curing.

PEDESTRIAN BRIDGE DEMOLITION: Observed B&K removing all walkway planks from the bridge adjacent to R. E. Lee Blvd., this date.

CLEARING & GRUBBING: Observed B&K clearing & grubbing on F/S of existing walls between EB/L Sta's 70+20 & 84+40, and between EB/L Sta's 85+50 & 99+75, in preparation of installation of temporary cofferdams and relocation of feeder lines.

QUALITY CONTROL: Contractor is providing adequate quality control this date.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL:**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

GOVERNMENT PERSONNEL ON SITE

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
C. WAGNER	Civ. Engr., GS-11	1 hr.	PE
J. AVETTANT	Const. Insp., GS-04	7 hrs.	QAR

**SAFETY: (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Noted finishers were wearing safety glasses and rubber gloves while finishing surfaces of new floodwall monoliths.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE <i>Jennifer D. Avettant</i> JENNIFER D. AVETTANT	DATE 31 Aug 95	SUPERVISOR'S INITIALS <i>gws</i>	DATE 9/20 2/7/95
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## QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed the re-driving of sheet piling for tie-ins at Robert E. Lee Blvd. These piles were pulled up to el. 11.5' for Hurricane Erin. No problems encountered when driving back down to grade. Finishers continuing to rub & patch vertical surfaces of I-wall on west side using sand cement mixture. Also observed personnel clearing the floodside lawn on the east side between Mirabeau & Pumping STA #4.

Instructions to COC/Remarks: None were given today.

Chris J. Wagner  
Name

Proj Engr  
Title

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/30/95

REPORT NO.: 237

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 76° MIN 98° MAX

DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (2.2) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Wrecked West I-wall Monolith #113 today. Moved these forms to the yard at Robert E. Lee Blvd. to be repaired and re-fitted for the next reach of floodwall. Hauled sheet piling to Mirabeau Ave. for Temporary Flood Protection. Continued dismantling Pedestrian Bridge at Robert E. Lee Blvd. Drove down sheet piles on the West Bank at sta. 119+67 → 119+63, preparing to build the tie-in collar here. Installed 20 bond cables for Cathodic Protection on the East Bank from Monolith Joint #51-50 to Mon. Jt. #32-31. Cleared and Grubbed Canal Side on the East Bank between station 85+50 and Sta. 99+75, and from station 70+20 to station 84+40. (This work was accomplished over the last 3 days, using the Kubota 151 and Bobcat X325 Excavators.) Added silt fence for extra erosion control on the East Bank from sta. 91+75 to sta. 88+50. Cement finishers patched tie bolt holes on West Monoliths #113 and #112; also patched and repaired West Monoliths #154, #153, and #152 (Not completed yet) hand side only. Laborers covered and wet down curing I-wall Monoliths throughout the day. Also flagged traffic for equipment and trucks. Survey crew began layout on the East Bank (Mirabeau → Filmore), and worked on determining the proper E alignment to match existing A2-18 Sheets (Filmore → P.S. #4)

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
11	Unskilled	88	B&K Const.	Installing bond cables; clearing and
10	Skilled	82	"	Grubbing; wrecking I-wall forms; Adding
1	Supt.	9	"	silt fence; demolishing Pedestrian
7	Q.C. Rep.	7	"	Bridge; Surveying existing
				conditions at the East Bank
				P.S. #4 to Filmore (See locations Above)
1	Skilled	2	Barnes Electric	Mobilizing Temporary work
1	Unskilled	2	"	Trailer onto the job site.

EQUIPMENT

DESCRIPTION	R/DEP	SAFETY CHECK	HRS U. S	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	yes	5	3	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	yes	2	6	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	4	4	—
KOMATSU EXC. 200 #2	—	yes	3	5	—
Case 580 BACKHOE #2	—	yes	3	5	—
WELDING MACHINE	—	No	0	8	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	No	0	8	—
Bobcat X325 Excavator	—	yes	6	2	—

MATERIALS RECEIVED

NONE THIS DATE

TESTS PERFORMED

(As required by plans/specifications)

None this Date



Inspected the installation of bond cables on the East Bank today. The surfaces of C2-101 sheet piles were sanded and cleaned prior to the cadwelding process. 1/0 cathodic protection cable by Kalas Mfg. was used, along with Erico Products CA # 65 cadwelds, and Rayston HandyCaps (Epoxy Coatings). Bond cables were installed at each Monolith Joint, and were securely attached to the sheet piles on each side of the joint. Epoxy caps were placed over the exposed portion of the wire and welds, after the welds were checked to insure a good bond with C2-101 sheet piles. The bond cables were installed approximately 4" below the bottom of stabilization slab (yet to be installed), at  $\pm$  elev. 2.30. These cables were left uncovered until Government Inspector can check them.

Inspected the area cleared and grubbed on the East Bank today. The area between E. B Sta. 99+70 and 85+50, as well as E. B 84+40 to 70+20, was free of all vegetation. Some soil was added in these two reaches to make Canal side work possible. Land side of these reaches was cleared previously.

## JOB SAFETY

(Note inspection, violations/actions taken)

Workers working over the Canal doing pedestrian bridge demolition wore proper flotation devices while over water. All employees were found to be wearing hard hats and steel toe boots or shoes on the jobsite.

Orange safety vests and flags were used by laborers to control traffic on Robert E. Lee and Mirabeau Avenue today.

## REMARKS

(Instructions received, miscellaneous remarks)

B+K's Survey crew spent 3 hours today working on new I-wall alignment between East B Sta. 99+69 and sta. 85+54. No perfect solution has been discovered yet, as the existing sheet piles are not straight. A new alignment may be agreed upon by Friday of this week, possibly involving 2 P.I.'s in the wall line.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

*Jerry Justice*

Authorized Q C Representative

8-31-95

Date

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL**  
(ER 415-1-302)

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

188

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Tuesday  
29 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly cloudy and hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100%	BORROW EXCAVATION 100%	EMBANKMENT 100%	CONCRETE 100%	STRUCTURE 100%
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MINIMUM 78°	MAXIMUM 97°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.00"	ENDING 0730 a M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			2-17	2-17	

FEET	TIME
2.2'	0800 a M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
2-17	12-88	8-60	22-165	0700 M	1630 M				

FROM	TO	FROM	TO

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL
- b. Arcadia Rebar, Inc. - RESTEEL INSTALLATION
- c. Gill's Crane Service, Inc. - STEEL SHEET PILES

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

- a. Wrecked forms at W Mono #115; set forms and placed concrete at W Mono #111 and #113; curing; concrete finishers patched W Monos #153 and #154.
- b. Tied resteel at W Mono #113, top and bottom; tied top resteel at W Mono #113.
- b. Drove 18 pcs of CZ-101 steel sheet piles from E B/L Sta 73+76.70 to 73+28.20.

Days of no work and reasons for same:

100% days lost due to adverse weather/wet ground on 01, 02, 03, 04, 11 and 22 Aug 95.  
50% days lost due to adverse weather/wet ground on 21 and 23 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K, Arcadia and Gill this date. See attached QCR report.

PERCENT PROJECT COMPLETE: 38.4%  
PERCENT TIME ELAPSED: 60.3%

DATE SET FOR COMPLETION: 04 May 96

QCR INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

REINFORCED CONCRETE FLOODWALL: No instructions given.  
STEEL SHEET PILES: No instructions given.  
RESTEEL INSTALLATION: No instructions given.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-up inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Contractor removed forms at W Mono #115. No major defects were noticed on the surface of W Mono #115. Observed contractor setting forms at W Monos #111 and #113. Performed Pre-placement inspections on monos, prior to placement of concrete, see attached LMN Form 1246. Observed contractor placing concrete at W Monos #111 and #113, in 18" lifts, not to exceed a 5' drop. Also, noted concrete was being well vibrated by contract personnel. Witnessed sampling and testing of concrete by B&K, see attached Concrete Field Data Sheet for results. Noted contractor received resteel for 6 more monos from Lulich Steel this date, for the East Bank. Observed concrete finishers patching and rubbing down W Monos #153 and #154.

**RESTEEL INSTALLATION:** Observed contractor tied top and bottom resteel for W Mono #113 and top resteel for W Mono #111. Checked resteel and found no pieces missing. Also, noticed that resteel was properly tied and spaced according to approved shop drawings.

**STEEL SHEET PILES:** Noted that contractor drove 18 pieces of CZ-101 sheet piles, measuring 21.75' in length, each piece. Sheet piles were driven from E B/L Sta. 73+60.70 to 73+28.20. (CONTINUED ON ATTACHED QUALITY ASSURANCE REPORT SUPPLEMENT SHEET)

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (Include names, reactions and remarks)**

None.

**CONTROVERSIAL MATTERS IN DETAIL:**

None.

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

None.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (Include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
Z. Bryant	Const. Insp. (GS-07)	08		QAR
J. Avettant	Const. Insp. (GS-04)	07		QAR

**SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Observed contractor supplies adequate potable water and 10-K drink, 2-5 gallons of water, and 1-5 gallon of 10-K, so as to prevent the possibility of dehydration in employees. No safety infractions noted this date.

INSPECTOR'S SIGNATURE

Jennifer D. Avettant

DATE

31 Aug 95

SUPERVISOR'S INITIALS

*gnw* *W*

DATE

9/6/95

QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 189

DATE Tues., 29 Aug 1995

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:  
(CONTINUATION OF ENG FORM 4238-2)

QUALITY CONTROL: Contractor is providing adequate quality control this date.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

None.

REMARKS:

None.

  
ZANE D. BRYANT, JR.

Inspector's Signature



STRUCTURES  
 REINFORCED CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.
 CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 113
 LIFT NO. ONE
ELEVATION from 3.00 to 14.40
DATE OF POUR 8-29-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
<b>A. SHEET PILING</b>	JmJ	8-29	11:00	ZAB	8-29-95	1100
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
<b>B. CONCRETE PILING</b>	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
<b>C. STAB. SLAB/JOINTS</b>	JmJ	8-29	11:00	ZAB	8-29-95	1100
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
<b>D. STEEL REINFORCING</b>	JmJ	8-29	11:05	ZAB	8-29-95	1100
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
<b>E. FORMWORK</b>	JmJ	8-29	11:10	ZAB	8-29-95	1105
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.:				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	8-29	11:10	FAB	8-29-95	11:05		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	8-29	11:15	FAB	8-29-95	11:10		
G. SAFETY (LIST)	JmJ	8-29	11:15	FAB	8-29-95	11:10		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Ladder	✓	"	"	✓	✓	✓		
3. Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-29	11:15	FAB	8-29-95	11:10		
Exp. Material		"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	11:30	2				
Concrete Bucket	1	1.0 C.Y.	"	"				
Concrete Vibrator	1	18" shaft	"	"				
J. REMARKS	SLUMP = 1" ; AIR ENTR. = 5.4% ; CONCRETE TEMPS = 89° ;							
	AIR TEMPS = 95° ; 3 Test Cylinders (LA-80)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice				C.O.E. REPRS: [Signature]			
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								



FORM CHECK OUT FOR

STRUCTURES

REINFOR

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

West # 111

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

8-29-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	8-29	12:10	ZAB	8-29-95	1300
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	8-29	12:15	ZAB	8-29-95	1300
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	8-29	12:20	ZAB	8-29-95	1305
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED "	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	8-29	12:25	ZAB	8-29-95	1310
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	8-29	12:25	ZJB	8-29-95	13:10		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	8-29	12:30	ZJB	8-29-95	13:15		
G. SAFETY (LIST)	JmJ	8-29	12:30	ZJB	8-29-95	13:15		
1. Ladder	✓	"	"	✓	✓	✓		
2. Scaffold	✓	"	"	✓	✓	✓		
3. Rigging	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-29	12:30	ZJB	8-29-95	13:15		
Exp. materials	North Side Only ✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1:45	1.5				
Concrete Bucket	1	1.0 cyl.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
J. REMARKS	SLUMP = 3 <sup>3</sup> / <sub>4</sub> " ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 87° ; AIR TEMPS = 95° ; 3 Test Cylinders (LA-80)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: ZJB				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/29/95

REPORT NO.: 236

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 78° MIN 97° MAX

DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (2.2) NOISE: Moderate

WORK PERFORMED/LOCATION

- ① B+K Construction - Wrecked I-Wall forms at West Monolith #115. Formed and poured concrete at West monoliths #113 and #111. (This completes this portion of I-Wall, until work resumes through the pipe crossing area.) Unloaded 6 more monoliths of reinforcing steel from Lulich Steel Company for East Bank, Mirabeau to Filmore Avenue. Operator excavated for bond cable installation (for cathodic protection) on the East Bank between Mirabeau and Filmore Avenue. Also spread and compacted soil previously placed on the Canal Side in the same reach, using the Bobcat Excavator, preparing for possible Temp. sheeting and feeder line relocation. Cement finishers patched and rubbed concrete surfaces at West Monoliths #154 and #153 (Land Side Only).  
 Second crew degraded existing levee between East B. Station 97+00 and station 94+00. Added a 3' strip of silt fence material above existing protection from E. B. Sta. 94+75 to Sta. 91+75. Material from degrading was placed on the Canal side of existing floodwall, and spread and compacted using the Kubota 151 Excavator. Some material was used to widen the Temp. Access Road.
- ② Arcadia Rebar - Tied re-steel at West I-Wall #113 (bottom and top), and at West Mono #111 (top steel only).
- ③ Gill's Crane Service - Drove new CZ-101 sheet piles from E. B. Station 73+60.79 to Sta. 73+28.29 (18 pcs. at 21'-9" long each piece).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	53	B+K Const.	Wrecking + Setting up I-Wall forms;
8	Skilled	64	"	Pouring I-Wall Concrete; Finishing
1	Supt.	8.5	"	concrete I-Wall surfaces; Unloading
1	Q.C. Rep	8.5	"	Re-steel; Beefing up erosion control silt
				fence; Degrading existing levee; Surveying
				existing AZ-18 sheets on East Bank (see Above)
2	Skilled	10	Arcadia Rebar	Tying Reinforcing steel for
				I-Wall. (see locations Above)
2	Skilled	14	Gill's Crane	Driving CZ-101 Sheet Piles for
1	Unskilled	7	"	I-Wall (see locations Above)

## EQUIPMENT

DESCRIPTION	R/DEP	SAFETY CHECK	HRS U. )	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	yes	3	5	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	yes	7	1	—
MKT Vibro Hammer	—	yes	7	1	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	5	3	—
KOMATSU EXC. 200 #2	—	yes	4	4	—
Case 580 BACKHOE #2	—	yes	3	5	—
WELDING MACHINE	—	No	0	8	—
KOEHRING 535 CRANE	—	NO	0	8	—
KOEHRING 405 CRANE	—	NO	0	8	—
Bobcat X325 Excavator	—	yes	4	4	—

## MATERIALS RECEIVED

Received 34 cubic yards of concrete (Mix #44-C) from Lafarge today and placed this material in West I-Wall Monoliths #113 and #111 (17 yards in each). Delivery tickets supplied to the Government Inspector.

Also received Reinforcing steel for 6 more I-Wall monoliths between East B Sta. 70+26 and Sta. 84+31. This material was stored on blocks in the Pratt Drive staging area.

## TESTS PERFORMED

(As required by plans/specifications)

B+K Construction performed tests and inspections on Concrete (Mix #44-C) delivered by Lafarge Concrete Company today. Results of these tests can be found on the Concrete Field Data Summary Sheet attached to this report.

Delta Testing monitored vibrations caused by pile driving operations on the East Bank today at ± station 73+50. Results are only furnished to the Orleans Levee Board.

I inspected the degradation work being done on the East Bank between Filmore Ave. and Pump Station #4 today. The levee was degraded to an elevation of +3.50 to +3.25 (approximate). The levee crown was left level, compacted and undisturbed below this elevation. Material from excavation appears suitable for embankment and/or structural backfill, however some amount of shell, bricks, and concrete rip-rap does exist in the levee material.

I inspected the workmanship of cement finishing being done on the land side of the West I-Wall Monday today. Air holes, bubble holes, etc. were patched whenever they were 1/2" or larger in diameter. Any seams, grooves, joint lines, or ridges were chipped and rubbed smooth. The fractured fin area was also repaired as required; holes were filled and damaged fins were repaired. I was satisfied with the overall level of workmanship up to this point. (The Canal side has not yet been repaired.)

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked the scaffolds and ladders on the I-Wall forms today. Walkboards, handrails, mid-rails and toe-boards were all in place. The condition of the lumber was acceptable, but I suggested that new materials be installed after the end of this reach, prior to starting work on a new reach of floodwall.

Also checked the canal for any sign of water pollution from our activities. No pollution was observed due to the contractor's or <sup>sub</sup>contractor's activities today.

## REMARKS

(Instructions received, miscellaneous remarks)

I informed Chris Wagner of the I-Wall alignment problem on the East Bank from station 85+54 to station 99+69. Mr. Wagner asked me to provide him with a plan view sketch of existing sheet piles referenced to the East B. I completed the field work today and will have a sketch for Mr. Wagner tomorrow, at which time a decision will have to be made concerning the adjusted I-Wall alignment in this reach.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.

Jerry Justice  
Authorized Q C Representative

8-30-95  
Date

B K CONSTRUCTION COMPANY, I  
 LONDON AVENUE CANAL FLOODWALL PROJECT  
 CONCRETE FIELD DATA SUMMARY

DATE: 8-29-95

Pour Location West I-Wall Monolith #113 and #111.

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
276229	11:25	12:25	-0"	20gal	1.0"x	89° 95°	5.4	3	12:00	9
276256	12:30	1:20	1.5"o	15gal	3.0"o	88° 95°	-	-	12:45	8
276273	1:35	2:25	3.75"o	-0-	3.75"x	87° 95°	5.2	-	2:00	9
276292	2:30	3:20	3.0"o	10gal	3.0"o	87° 95°	-	-	2:45	8

REMARKS: Test Cylinder Set # LA-80.

NOTE: "x" = Acutal Slump Determination  
 "o" = Visual Slump Determination

TECHNICIAN:  
Steve Thome



**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

187

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Sat, Sun, Mon.  
26, 27, 28 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly cloudy and hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100%	BORROW EXCAVATION 100%	EMBANKMENT 100%	CONCRETE 100%	STRUCTURE 100%
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MINIMUM 77°	MAXIMUM 97°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.00"	ENDING 0730 a M
-----------------	--------------------

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-16	TOTAL 2-16	LABOR
-------------	--------	--------	--------------------	---------------	-------

FEET 2.2'	TIME 0800 a M
--------------	------------------

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-17	SKILLED 12-86	LABORERS 9-61	TOTAL 23-164	FROM 0700 M	TO 1630 M	FROM M	TO M	FROM M	TO M
---------------------	------------------	------------------	-----------------	----------------	--------------	-----------	---------	-----------	---------

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL
- b. Arcadia Rebar, Inc. - RESTEEL INSTALLATION
- c. Gill's Crane Service, Inc. - STEEL SHEET PILES

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above.)

- a. Wrecked forms at W Monos #112 and #117; set forms and placed concrete at W Mono #115; welded #6 rebar on top of CZ-101 sheet pile and set F/S of form for W Mono #111; concrete finishers worked on surfaces at W Monos #154 and #155, P/S only; curing.
- b. Tied bottom resteel at W Mono #111; set top resteel in place a W Mono #115.
- c. Drove 6 pcs of CZ-101 sheet piles from E B/L Sta 73+71.45 to 73+60.70.

Days of no work and reasons for same:

100% days lost due to adverse weather/wet ground on 01, 02, 03, 04, 11 and 22 Aug 95.  
50% days lost due to adverse weather/wet ground on 21 and 23 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K, Arcadia and Gill this date. See attached CQC report.

DATE SET FOR COMPLETION: 04 May 96

PERCENT PROJECT COMPLETE: 38.1%  
PERCENT TIME ELAPSED: 60.1%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

REINFORCED CONCRETE FLOODWALL: No instructions given.  
STEEL SHEET PILES: No instructions given.  
RESTEEL INSTALLATION: No instructions given.



**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-up inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Forms were removed from W Monos #112 and #117. Checked surface of monos, no major defects were noticed. Observed contractor setting forms and placing concrete at W Mono #115. Pre-placement inspection was performed prior to placing concrete, see attached LMN Form 1246. Noted that contractor welded #6 rebar to top of CZ-101 sheet piles at W Mono #111. Also, contractor set form of W Mono #111, F/S. Witnessed sampling and testing of concrete by B&K, see attached Concrete Field Data Sheet for results. Observed concrete finishers patching and repairing surfaces of W Monos #154 and #155, P/S. Noted that burlene blankets used for curing monoliths are in good condition and wet this date.

**RESTEEL INSTALLATION:** Observed contractor tying bottom resteel at W Mono #111. Noted that contractor set top resteel at W Mono #115. All resteel was spaced and ties according to approved shop drawings.

**STEEL SHEET PILES:** Noted that contractor drove 6 pieces of CZ-101 sheet piles, 21.75' in length, from E B/L Sta. 73+71.45 to 73+60.70. Due to mechanical problems with hammer, work was cut short this date.

**QUALITY CONTROL:** Contractor is providing adequate quality control.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

None.

**CONTROVERSIAL MATTERS IN DETAIL.**

None.

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**

None.

Contractor's Quality Control Report (submitted/not submitted) for this (date/period).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION		HRS. ON SITE	
Z. Bryant	Const Insp	GS-07	07	QAR
J. Avettant	Const Insp	GS-04	07	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Observed personnel placing concrete to be wearing rubber gloves and hard hats.

INSPECTOR'S SIGNATURE

Jennifer D. Avettant

DATE

30 Aug 95

SUPERVISOR'S INITIALS

ew 9/20

DATE

9/6/95



FORM CHECK OUT FOR

STRUCTURES  
REINFOR

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave  
Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

West # 115

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

8-28-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	8-28	11:00	ZAB	8-28-95	1130
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmd	8-28	11:00	ZAB	8-28-95	1130
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	8-28	11:05	ZAB	8-28-95	1130
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	8-28	11:10	ZAB	8-28-95	1135
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmd	8-28	11:10	ZAB	8-28-95	1135		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.85'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmd	8-28	11:15	ZAB	8-28-95	1140		
G. SAFETY (LIST)	Jmd	8-28	11:15	ZAB	8-28-95	1140		
1. Scaffolds & ladders	✓	"	"	✓	✓	✓		
2. Safety Glasses	✓	"	"	✓	✓	✓		
3. Rubber Gloves	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	8-28	11:15	ZAB	8-28-95	1140		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	11:50	2/4				
Concrete Bucket	1	1.0 cu. y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
J. REMARKS	SLUMP = 2 1/4" ; AIR ENTR. = 7.9% ; CONCRETE TEMPS = 86° ;							
	AIR TEMPS = 95° ; 3 Test Cylinders (LA-79)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: [Signature]				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/28/95

REPORT NO.: 235

SKIES: Clear - Pt. Cloudy      RAIN: 0      IN. TEMP.: 77 MIN 97 MAX

DUST: SOME      LEVEE CONDITION: Dry      CANAL GAUGE: (2.2)      NOISE: Moderate

WORK PERFORMED/LOCATION

- ① B+K Construction - Wrecked I-wall forms at West Monoliths #117 and #112. Set I-wall forms at West Monolith #115, and placed concrete at West Mono. #115 today. Also set Canal side form at West Mono. #111. Welded #6 Rebar on top of C2-101 sheet piles at West Mono. #111. Cement finishers patched and repaired concrete surfaces at West I-wall Monoliths #155 and #154 (Land Side Only). Laborers continued trimming grass and weeds within the construction easement, wetting down curing I-wall Monoliths, and assisting carpenters and cement finishers.  
 Second crew installed additional silt fence material from East B Sta. 98+00 to Sta. 94+75. Degraded existing levee from East B 98+00 to 97+00 to approx elev. +3.25. Placed this material along the Canal side of existing sheets, and then spread and compacted it with the Kubota 151 Excavator. Some of the material excavated was used to widen the Temp. Access Road on the Land side.
  - ② Arcadia Rebar - Tied bottom reinforcing steel at West Monolith #111, and set top re-steel mat in place at West Mono. #115. Also pre-tied one re-steel mat for future use in I-wall stems.
  - ③ Gill's Crane Service - Drove new C2-101 sheet piles from East B Station 73+71.45 to Station 73+60.70 (6 pcs. at 21'-9" long each)
- \*Mechanical Problems with V-5 hammer stopped work until approx. 1:00 pm.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	54	B+K Const.	Wrecking & setting up I-wall forms;
8	Skilled	60	"	Pouring I-wall concrete; welding #6
1	Supt.	8.5	"	Rebar for cathodic protection; Finishing
1	Q.C. Rep.	9.5	"	concrete surfaces of I-walls; Beefing up
				silt fence; degrading existing levee;
				widening Temp Access Road (See Locations Above)
2	Skilled	16	Arcadia Rebar	Tying Reinforcing steel for I-wall
				(See Above)
2	Skilled	10	Gill's Crane	Driving new C2-101 sheets for I-wall
1	Unskilled	7	"	(see Locations Above)

## EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	yes	3	5	—
Case 580 Backhoe #1	—	yes	2	6	—
Koehring 535 Crane	—	yes	4	4	—
MKT Vibro Hammer	—	yes	4	4	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	6	2	—
KOMATSU EXC. 200 #2	—	yes	3	5	—
Case 580 BACKHOE #2	—	yes	3	5	—
WELDING MACHINE	—	yes	2	6	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	No	0	8	—
Bobcat X325 Excavator	ARRIVED	yes	2	6	—

## MATERIALS RECEIVED

Received 17 cubic yards of concrete (Mix #44-c) from Lafarge Concrete Company today, and placed this material in West I-wall Monolith #115. Delivery tickets were furnished to the Government Inspector today.

## TESTS PERFORMED

(As required by plans/specifications)

BTK Construction tested and inspected concrete (Mix #44-c) delivered by Lafarge Concrete Company today. Slumps, Temperatures, Entrained Air % and other information are documented on the Concrete Field Data Summary sheet, attached to this report.

Delta Testing monitored vibrations caused by pile driving operations today on the East Bank. Results of these tests are furnished only to the Orleans Levee Board. Tests were performed at approximate East of Station 73+50.

Inspected the Reinforced concrete floodwall work done today. The forms were clean and oiled prior to being set in their final position. The bottom of the forms were set at 10 1/2" off of  $\epsilon$  eachway, using offset lines established by the survey crew. Forms were then plumbed using plumb bobs at each end. 3/4" chamfer strips were installed at all corners. Top of wall elevation was +14.42-Land side, and +14.40-Canal side. width of I-wall was 1'-9" at bottom section and 12" at the stem, plus or minus 1/4". Reinforcing steel clearances measured 2" to 3 1/2" at all points. The required checklist Form Cinn #1246 was completed prior to concrete placement.

Inspected the curing of completed I-Wall Monoliths today on the West Bank. Burlene blankets completely covered I-Wall Monoliths less than 8 days old (West Mono's #121, #119, #117, #116, #114, and #112). Laborers wet down these monoliths and burlene blankets throughout the day today. Burlene blankets were in good condition, with no holes, tears, or rotten material evident.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked the Reverse alarms on the 580 Backhoes today. Both Case rubber tire backhoes had working reverse alarms installed onboard. Fire extinguishers were also found to be located on-board the two Case 580 backhoes today.

I checked equipment today for excessive smoke from exhausts - No excessive smoke or fumes was noted on any diesel engines on the job today.

## REMARKS

(Instructions received, miscellaneous remarks)

Survey crew determined today that the AZ-18 sheet piles on the East Bank (Station 99+69 to Station 85+54) are not driven in one straight line. Thus, at least one P.I. must be calculated in the  $\epsilon$  of new I-Wall to match existing conditions. Field notes to follow A.S.A.P.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice  
Authorized Q C Representative

8-29-95  
Date



K CONSTRUCTION COMPANY,  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 8-28-95

Pour Location West I-Wall monolith #115

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 PSI (90 DAYS)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
276001	11:40	12:35	2.25 <sup>o</sup>	15 gal	2.25 <sup>x</sup>	86° 95°	7.9	3	12:00	9
276023	12:47	2:00	2.5 <sup>o</sup>	-0-	2.5 <sup>x</sup>	87° 95°	6.2	-	1:15	8

REMARKS: Test Cylinder set #LA-79.

NOTE: "x" = Actual Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN: Steve Thome

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
186

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Friday  
25 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly cloudy and hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 76	MAXIMUM 97
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION  
INCHES 0.00" ENDING 0730 a M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			2-18	2-18	

FEET	TIME
2.5'	0800 a M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
2-19	13-99	9-74	24-192	0700 M	1630 M				

1  2  3

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- b. Arcadia Rebar, Inc. - RESTEEL INSTALLATION
- c. Gill's Crane Service, Inc. - STEEL SHEET PILES

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

- a. Wrecked forms from W Monos #114 and #119; set forms at W Monos #112 and #117; placed concrete for W Monos #112 and #117; curing; burned holes in sheet pile for resteel installation for W Mono #111; concrete finishers repairing P/S of W Monos #156 and #157.
- b. Tied reinforcing steel at W Monos #112 and #117, bottom; top resteel at W Monos #112 & 117
- c. Drove 30 pcs of CZ-101 sheet piles from E B/L Sta 74+25.50 to 73+71.45.

Days of no work and reasons for same:

100% days lost due to adverse weather/wet ground on 01, 02, 03, 04, 11 and 22 Aug 95.  
50% days lost due to adverse weather/wet ground on 21 and 23 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K, Arcadia and Gill this date. See attached CQC report.

PERCENT PROJECT COMPLETE: 38.0%  
PERCENT TIME ELAPSED: 59.7%

DATE SET FOR COMPLETION: 04 May 1996

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

REINFORCED CONCRETE FLOODWALL: No instructions given.  
SELECTIVE DEMOLITION: No instructions given.  
RESTEEL INSTALLATION: No instructions given.  
STEEL SHEET PILES: No instructions given.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Checked surface of W Monos #119 and #114 after forms were removed. No major defects were noticed. Observed contractor setting forms for W Monos #112 and #117. Observed contractor placing concrete at W Monos #112 and #117 in 18" lifts, not allowing the concrete to drop more than 5'. Concrete was well vibrated. Performed Pre-placement inspection on W Monos #112 and #117, see attached LMN Form 1246. Witnessed sampling and testing of concrete by B&K, see attached Concrete Field Data Sheet for results. Observed contractor burning holes in CZ-101 sheet piles at W Mono #111 for resteel installation. Holes were burned approx. 2½" above stabilization slab. Observed concrete finishers completing patching and repair of P/S of W Monos #156 and #157.

**SELECTIVE DEMOLITION:** Noted that contractor removed existing concrete cap from between W B/L Sta. 103+15 and 102+30, by cutting off the existing piles at the required elevation of +6.75'. The removed concrete caps were placed on the F/S of the existing sheet piles for removal at a later date.

**RESTEEL INSTALLATION:** Observed B&K tied bottom steel at W Monos #112 and #115. Also, tied (CONTINUED ON ATTACHED QA SUPPLEMENTAL REPORT)

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (Include names, reactions and remarks)**

None.

**CONTROVERSIAL MATTERS IN DETAIL.**

None.

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

None.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (Include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION		HRS. ON SITE	
Z. Bryant	Const. Insp. GS-07		09	QAR
J. Avettant	Const. Insp. GS-04		07	QAR

**SAFETY (Include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Observed contract personnel wearing safety shoes and hard hats in accordance with EM-385-1-1. No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S INITIALS

DATE

Jennifer D. Avettant

29 Aug 95

gaw

8/31/95

QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 186

DATE Friday, 25 Aug 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:  
(CONTINUED FROM ENG FORM 2538-2, DAILY LOG OF CONSTRUCTION)

top reinforcing steel at W Monos #112 and #117. All resteel was tied and spaced in accordance with shop drawings.

STEEL SHEET PILES: Noted that contractor drove 30 pieces of CZ-101 sheet piles, 21.75' long, from E B/L Sta 74+25.50 to 73+71.45. Interlocks were fully engaged.

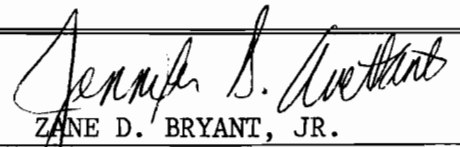
QUALITY CONTROL: Contractor is providing adequate quality control this date.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE.

REMARKS:

NONE.

  
ZANE D. BRYANT, JR.

for Inspector's Signature



QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/25/95

REPORT NO.: 234

SKIES: Pt. Cloudy + Hot RAIN: 0 IN. TEMP.: 76 MIN 97 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.5) NOISE: Moderate

WORK PERFORMED/LOCATION

- ① B&K Construction Company - Wrecked forms at West I-wall Monoliths #119 and #114. Cleaned, oiled and set these forms at West Monoliths #112 and #117. Poured concrete at West I-wall Monoliths #112 and #117 today. Demolished existing floodwall from West B Sta. 103+15 to Sta. 102+30. Burned holes in C2-101 sheet piles at West Monolith #111 for rebar. Cement finishers completed land side patching + repair of concrete surfaces at West Monoliths #157 and #156. Laborers began dismantling pedestrian bridge at Robert E. Lee Blvd., to salvage channel iron from bridge structure. Laborers cut grass + weeds on the West Bank, and wet down curing I-wall Monoliths and burlap blankets. Second crew added a 3' strip of geotextile silt fence material (above the original 3' of erosion protection) on the East Bank from Sta. 100+00 to Sta. 98+00. Cut down existing levee between E. B. Sta. 99+75 and Sta. 98+00 to approx. elevation +3.25. Placed this material on the Canal side and spread it with the Kubota Excavator to facilitate Temp. Flood Prot. Sheet Pile Driving.
- ② Arcadia Rebar - Tied reinforcing steel at West Mono's #112 + #115 (bottom steel only) and top re-steel at West Mono's #112 + #117.
- ③ Gill's Crane Service - Drove new C2-101 sheet piles from East B. Station 74+25.59 to Sta. 73+71.45 (30 pcs. at 21'-9" long each piece).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	66	B&K Const.	wrecking forms, setting forms, and
8	Skilled	68	"	pouring I-wall concrete; demolishing
1	Supt.	9	"	exist. floodwall; finishing concrete I-wall
1	QC Rep	10	"	surfaces; degrading exist. levee; Beefing
				up erosion control (See Above)
3	Skilled	15	Arcadia Rebar	Tying reinforcing steel for
				I-Wall (See Locations Above)
2	Skilled	16	Gill's Crane	Driving new C2-101 sheet
1	Unskilled	8	"	piling for I-wall
				(see Location Above)

## EQUIPMENT

DESCRIPTION	HR/DEP	SAFETY CHECK	HRS U. S.	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	7	3	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	yes	4	4	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	yes	7	1	—
MKT Vibro Hammer	—	yes	7	1	yes
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	6	4	—
KOMATSU EXC. 200 #2	—	yes	4	4	—
CASE 580 BACKHOE #2	—	yes	3	5	—
WELDING MACHINE		No	0	8	—
KOEHRING 535 CRANE		No	0	8	—
KOEHRING 405 CRANE		No	0	8	—

## MATERIALS RECEIVED

Received 35 cubic yards of concrete (Mix #44-C) from Lafarge Concrete Company today. Placed this material in West I-Wall Monoliths #117 and #112 (Lafarge sent 35 yards to us by mistake - only 34 c.y. were ordered). Delivery tickets were furnished to the Government complete with all necessary information.

## TESTS PERFORMED

(As required by plans/specifications)

B&K Construction performed concrete tests and inspections on Mix #44-C provided by Lafarge Concrete Company today. Results of these tests are documented on the attached Concrete Field Data Summary sheet. 3 test cylinders were molded today (as always) and will be delivered to the Government Lab on Monday.



Inspect the I-wall formwork done today on the West Bank. Form condition was fair. Alignment of forms was good; set to  $\pm$  using the turnbuckle braces. Plumbness was within  $\frac{1}{4}$ " from top of form to the ground. Top of wall elev. was +14.42 on the Land side and +14.40 on the Canal side. Re-steel clearances were checked, and found to be 2" minimum, and  $3\frac{1}{2}$ " max. Forms were clean and oiled prior to being set in place. Stabilization slab, sheet piles, and re-steel were clean and wet down prior to concrete placement. LMA Form #1246 was completed as a checklist before concrete was placed in each form.

Also checked the CZ-101 sheet piling driven on the East Bank today. Alignment was within 0.20' each way from  $\pm$ . Plumbness was within  $\frac{1}{8}$ " per foot (perp. to wall) and within  $\frac{1}{4}$ " per foot (in the plane of the wall). All interlocks were fully engaged for the whole length of each pile. \*Driving is difficult in this area.

## JOB SAFETY

(Note inspection, violations/actions taken)

Electric Feeder Lines #FL 340, #FL 432, and #FL 422 were all de-energized prior to starting work this morning. FL-422 will remain de-energized until further notice, but FL 340 and FL 432 must be taken out of service and then released by the contractor each day.

Feeder lines were inspected at the end of each day to make sure no damage was done, and no tests or repairs were needed.

## REMARKS

(Instructions received, miscellaneous remarks)

The survey crew determined that the  $\pm$  to B offsets shown at East B station 99+69.23 and station 85+54.63 are incorrect (they do not match the existing  $\pm$  of AZ-18 sheet piles). Plan o/s at 99+69.23 = +9.21'; actual o/s = +8.60'. Plan o/s at 85+54.63 = +2.28'; actual o/s = +5.30'. The project inspector and engineer were notified of this situation, and we need an answer by Monday, 8-28-95.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice

Authorized Q C Representative

8-28-95

Date

B K CONSTRUCTION COMPANY, INC.  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 9.25.95

Pour Location West I-Wall Monolith # 117 + 112

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used # 44-C Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
275681	12:35	1:30	3.0 <sub>o</sub> "	-0-	3.0 <sub>x</sub> "	87° 90°	4.6	3	1:20	9
275707	1:56	2:20	2.5 <sub>o</sub> "	15 gal	4.0 <sub>x</sub> "	86° 92°	5.2	-	2:20	8
275719	2:15	3:10	5.0 <sub>o</sub> "	-0-	5.0 <sub>x</sub> "	88° 94°	-	-	3:00	9
275736	3:45	4:35	3.5 <sub>o</sub> "	-0-	3.5 <sub>o</sub> "	88° 94°	-	-	4:00	8

REMARKS: Test Cylinder Set # LA-78 .

NOTE: "x" = Acutal Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN:  
Steve Thome

CHECK OUT FOR STRUCTURES  
 REINFORC CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 117 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 8-25-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	8-25	11:35	ZAB	8-25-95	1200
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	8-25	11:35	ZAB	8-25-95	1200
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	8-25	11:40	ZAB	8-25-95	1205
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	8-25	11:45	ZAB	8-25-95	1210
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JMG	8-25	11:45	ZJB	8-25-95	12:10		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.85'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JMG	8-25	11:50	ZJB	8-25-95	12:15		
G. SAFETY (LIST)	JMG	8-25	11:50	ZJB	8-25-95	12:15		
1. Ladder	✓	"	"	✓	✓	✓		
2. Scaffold	✓	"	"	✓	✓	✓		
3. Rigging Check	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JMG	8-25	11:55	ZJB	8-25-95	12:15		
Expansion Material		"	"		✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	12:45	1.75				
Concrete Bucket	1	1.0 c.y.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
J. REMARKS	SLUMP = 3" ; AIR ENTR. = 4.6% ; CONCRETE TEMPS = 87° ; AIR TEMPS = 90° ; 3 Test Cylinders (LA-78)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: [Signature]				
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

CHECK OUT FOR STRUCTURES  
 REINFORC CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 112 LIFT NO. ONE ELEVATION From 3.00 to 14.40 DATE OF POUR 8-25-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	8-25	2:00	ZAB	8-25-95	14:10
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	8-25	2:00	ZAB	8-25-95	14:10
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	8-25	2:05	ZAB	8-25-95	14:10
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	8-25	2:10	ZAB	8-25-95	14:15
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	8-25	2:10	ZAB	8-25-95	14:15
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.87'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	8-25	2:15	ZAB	8-25-95	14:20
G. SAFETY (LIST)	JmJ	8-25	2:15	ZAB	8-25-95	14:20
1. Eye Protection	✓	"	"	✓	✓	✓
2. Ladder	✓	"	"	✓	✓	✓
3. Scaffold	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-25	2:15	—	—	—
Expansion Material	NONE THIS BUR	"	"			

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Romat34 200	1	Excavator	2:30	1.5				
Concrete Vibrator	1	18' shaft	"	"				
Concrete Bucket	1	1.0 c.y.	"	"				

J. REMARKS  
 SLUMP = 4" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 86° ;  
 AIR TEMPS = 92° ; 3 Test Cylinders (LA-78)

FINAL CLEARANCE  
 CONTRACTOR REPRS: Jerry M. Justice  
 C.O.E. REPRS: [Signature]

**INSTRUCTIONS**  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
185

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Thursday  
24 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly cloudy and hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100%	BORROW EXCAVATION 100%	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 75	MAXIMUM 95
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 a M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-8	TOTAL 1-8	LABOR
-------------	--------	--------	-------------------	--------------	-------

FEET 2.4'	TIME 0800 a M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-21	SKILLED 16-118	LABORERS 9-80	TOTAL 27-219	FROM 0700 M	TO 1739 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL
- b. ARCADIA REBAR, INC. - RESTEEL INSTALLATION
- c. GILL'S CRANE SERVICE, INC. - STEEL SHEET PILES

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

- a. Wrecked forms from W Mono #116; set forms for W Mono #114 and W Mono #119; placed concrete for W Mono #114 and #119; curing; burned holes in sheet pile for resteel installation for W Monos #113 and #112; concrete finishers repairing P/S of W Monos #158 and #157
- b. Tied reinforcing steel for bottom W Monos #114, #117 and #119. Set top resteel for #119.
- c. Drove 18 pcs of CZ-101 sheet piles from E B/L Sta 74+58.10 to 74+25.50.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04, 11 and 22 Aug 95.  
50% of days lost due to adverse weather/wet ground on 21 and 23 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K, Arcadia and Gill's this date.  
See attached CQC report.

PERCENT PROJECT COMPLETE: 37.6%  
PERCENT TIME ELAPSED: 59.5%

DATE SET FOR COMPLETION: 04 May 1996

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

REINFORCED CONCRETE FLOODWALL: No instructions given.  
RESTEEL INSTALLATION: No instructions given.  
STEEL SHEET PILES: No instructions given.



**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Checked surface of W Mono #116 after forms were removed. No major defects were noticed. Observed forms being set for W Monos #114 and #119. Observed contractor placing concrete in 18" lifts, not allowing concrete to drop more than 5'. Concrete was being well vibrated during the placement of W Monos #114 and #119. Noted that contractor placed concrete for the West Bank stabilization slab between W B/L Sta. 103+15 and 102+27. Observed contractor burning holes in CZ-101 sheet piles for resteel installation at W Monos #113 and #112. Performed pre-placement inspections at W Monos #114 and #119, see attached LMN Form 1246.. Witnessed sampling and testing done by B&K for the concrete, see attached Concrete Field Data sheet for results. Observed concrete finishers patching and repairing surfaces of W Monos #157 and #158.

**RESTEEL INSTALLATION:** Observed contractor tying bottom reinforcing steel for W Monos #114, #117 and #119. Contractor, also, set resteel for the top of W Mono #119. All resteel was spaced and tied in accordance with approved shop drawings.

**STEEL SHEET PILES:** Noted that contractor drove 18 pcs. of CZ-101 steel sheet piles, 21'9" long each piece, from E B/L Sta. 74+58.10 to 74+25.50. Piles were driven to a cut-off

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (Include names, reactions and remarks)**

NONE.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE.

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

Observed contractor complied with QAR Zane Bryant's request for new burlene blankets. The worn and torn blankets were replaced by 6 new blankets.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (Include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
J. Avettant	Const. Insp. GS-04	07		QAR

**SAFETY (Include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Observed oxygen and acetylene bottles properly stored and secured this date. No safety infractions noted this date.

INSPECTOR'S SIGNATURE

Jennifer D. Avettant

DATE

28 Aug 95

SUPERVISOR'S INITIALS

guc [initials]

DATE

8/31/95

QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 185

DATE Thurs, 24 Aug 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:  
(CONTINUED FROM ENG FORM 2538-2, DAILY LOG OF CONSTRUCTION)

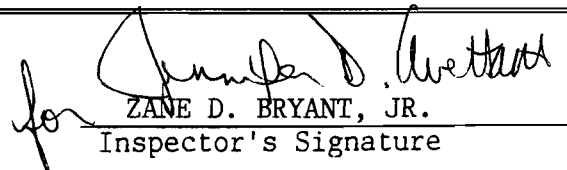
elevation of +5.75. Alignment was within 0.20' of c/l.  
QUALITY CONTROL: Contractor is providing adequate quality control this date.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE.

REMARKS:

NONE.

  
for ZANE D. BRYANT, JR.  
Inspector's Signature



QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/24/95

REPORT NO.: 233

SKIES: Pt. Cloudy

RAIN: 0

IN. TEMP.: 75 MIN 95 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.4) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Wrecked west I-wall Monolith #116; then cleaned oiled and set these forms at west Mono. #114. Also set forms at West Mono. #119, then placed concrete at West Monoliths #119 and #114 today. Also placed concrete at West Bank Stabilization Slab between Sta. 103+15 and Sta. 102+27. Burned holes in C2-101 sheet piles for rebar to pass through at West Monolith #113 and #112. Cement finishers patched and repaired concrete surfaces on West Monoliths #158 and #157 (Land Side Only). Replaced worn + torn burlene blankets used for I-wall wet curing. Cut grass and cleaned up the yard at Pratt Drive and Robert E. Lee Blvd. B&K Construction had to set the top re-steel mat at West Mono. #114, as Arcadia Rebar left early. Worked on Temp. Access Road entrance at Filmore Ave. - East Bank. Began silt fence.

Arcadia Rebar - Tied bttm. reinforcing steel at West I-wall Monoliths #119, #114, and #117. Set top re-steel mat at West Mono. #119, and pre-tied one re-steel mat for future use.

Gill's Crane Service - Drove new C2-101 sheet piles on the East Bank from station 74+58.10 to station 74+25.50 (18 pcs. at 21'-9" long each piece).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	72	B&K Const.	Wrecking + setting I-wall forms; Placing concrete in I-walls and stab. slab; Burning holes for rebar; finishing concrete surfaces on I-walls; Replacing worn burlene blankets; Working on Temp. Access Road at Filmore - East Bank (See Above)
8	Skilled	72	"	
1	supt	11	"	
1	QC. Rept	10	"	
6	Skilled	30	Arcadia Rebar	Tying reinforcing steel for I-wall (See Locations Above)
2	Skilled	16	Gill's Crane	Driving new C2-101 sheet piles on the East Bank. (See Locations Above)
1	Unskilled	8	"	

## EQUIPMENT

DESCRIPTION	HRR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	7	3	—
Komatsu D37P Dozer	—	NO	0	8	—
Kubota 151 Excavator	—	yes	4	4	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	yes	7	1	—
MKT Vibro Hammer	—	yes	7	1	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	7	3	—
KOMATSU EXC. 200 #2	—	yes	3	5	—
Case 580 BACKHOE #2	—	yes	4	4	—
WELDING MACHINE	—	NO	0	8	—
KOEHRING 535 CRANE	—	NO	0	8	—
KOEHRING 405 CRANE	—	NO	0	8	—

## MATERIALS RECEIVED

Received 34 cubic yards of concrete for West I-wall Monoliths #119 and #114, and 4 cubic yards of concrete for West Bank Stabilization slab (station 103+15 to station 102+27). All concrete was Mix #44-C delivered by Lafarge Concrete Company. Delivery tickets were furnished to Inspector Zane Bryant.

## TESTS PERFORMED

(As required by plans/specifications)

B+K Construction personnel tested and inspected concrete (Mix #44-C) delivered by Lafarge Concrete Company today. Results of these tests are documented on the B+K Construction Concrete Field Data Summary Sheet, attached to this Report.

## INSPECTIONS PERFORMED

Inspected curing of completed I-wall concrete monoliths on the West Bank today. All burlene blankets were inspected, and found to be in good condition. Blankets were wet, and completely covered the curing monoliths (West Monoliths #125, #120, #123, #121, #116, + #118). Laborers wet down these walls three or more times today, spraying the blankets and the concrete walls with water. The 2 monoliths poured today were covered with wet burlene on the tops for weather protection.

Also checked the C2-101 sheet piles driven today. Monolith lengths varied slightly, from 28.75' to 28.95' long. Plumbness was found to be approximately  $\frac{1}{4}$ " per foot in the plane of the wall, and good in the plane perpendicular to the wall. Cut off elevation was +5.75, plus or minus 0.10'. Alignment was within 0.20' of  $G$ , and all interlocks were fully engaged. Driving has become increasingly difficult as work progressed towards Minabeau Avenue; thus, production is slowed considerably.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked rigging used to lift the concrete bucket today. Wire rope slings and shackles were in good condition. No excessive wear or defects were found.

Also checked the scaffolds and ladders on I-wall forms today. Ladders were in good condition, and secured to the forms to prevent movement. Scaffold boards, handrails, midrails and toe-boards were all in place and in fair condition today.

## REMARKS

(Instructions received, miscellaneous remarks)

Worn & torn burlene blankets were all replaced today as requested by Inspector Zane Bryant yesterday.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.

Jerry Justice  
Authorized Q C Representative

8-25-95  
Date

B K CONSTRUCTION COMPANY, INC  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 8.24.95

Pour Location West I-wall Monolith #119 and #114.

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 PSI (90 DAYS)

TICKET NO	TIME ARRVD	TIME CPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
275417	10:30	11:20	2.75 <sup>x</sup>	-0-	2.75 <sup>x</sup>	85° 89°	3.4	3	10:50	9
275445	11:45	12:25	3.0 <sup>o</sup>	-0-	3.0 <sup>o</sup>	87° 90°	-	-	12:00	8
275505	2:16	3:10	3.5 <sup>x</sup>	-0-	3.5 <sup>x</sup>	86° 90°	4.8	-	2:35	9
275324	3:30	4:30	3.0 <sup>o</sup>	10gal	4.0 <sup>o</sup>	87° 93°	-	-	4:00	8
275347	8:30	9:00	2.0 <sup>o</sup>	15gal	4.0 <sup>o</sup>	85° 85°	-	-	8:45	5

REMARKS: Test Cylinder set # LA-77

NOTE: "x" = Actual Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN: Steve Thome



STRUCTURAL  
 REINFORCED CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.
 
 CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 114
 LIFT NO. ONE
ELEVATION from 3.00 to 14.40
DATE OF POUR 8-24-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
<b>A. SHEET PILING</b>	<i>JmJ</i>	8-24-95	1:30	<i>Ph</i>	8-24-95	1330
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
<b>B. CONCRETE PILING</b>	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
<b>C. STAB. SLAB/JOINTS</b>	<i>JmJ</i>	8-24	1:30	<i>Ph</i>	8-24-95	1330
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
<b>D. STEEL REINFORCING</b>	<i>JmJ</i>	8-24	1:35	<i>Ph</i>	8-24-95	1335
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
<b>E. FORMWORK</b>	<i>JmJ</i>	8-24	1:40	<i>Ph</i>	8-24-95	1340
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	8-24-95	1:40	[Signature]	8-24-95	1340		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.86'	✓	"	"	✓	"	"		
WIDTH 1.75' - 1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	Jmj	8-24	1:45	[Signature]	8-24-95	1345		
G. SAFETY (LIST)	Jmj	8-24	1:45	[Signature]	8-24-95	1345		
1. Ladder	✓	"	"	✓	"	"		
2. Scaffold	✓	"	"	✓	"	"		
3. Eye Protection	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	8-24	1:50	—	—	—		
Exp. Material	NONE THIS POUR	"	"	—	—	—		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	2:25	2				
Concrete Bucket	1	1.0 C.Y.	"	"				
Concrete Vibrator	1	18' Shaft	"	"				
J. REMARKS	SLUMP = 3 1/2" ; AIR ENTR. = 4.8% ; CONCRETE TEMPS = 86° ; AIR TEMPS = 90° ; 3 Test Cylinders (LA-77)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: Jennifer S. Swett				
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

FR CHECK OUT FOR

STRUCTURES

REINFORC

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

LIFT NO.

ELEVATION

DATE OF POUR

West # 119

ONE

from 3.00 to 14.40

8-24-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JMD	8-24	10:00	DR	8-24-95	1000
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JMD	8-24	10:00	DR	8-24-95	1000
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JMD	8-24	10:05	DR	8-24-95	1005
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JMD	8-24	10:10	DR	8-24-95	1010
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmg	8-24	10:10	Pa	8-24-95	10:10
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.85'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmg	8-24	10:15	Pa	8-24-95	10:15
G. SAFETY (LIST)	Jmg	8-24	10:15	Pa	8-24-95	10:15
1. Scaffold	✓	"	"	✓	"	"
2. Ladder	✓	"	"	✓	"	"
3. Rigging Check	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	8-24	10:15	—	—	—
Expansion Material	—	"	"	—	—	—

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	10:30	1 3/4				
Concrete Bucket	1	1.0 c.y.	"	1 3/4				
Concrete Vibrator	1	18" shaft	"	1 3/4				

J. REMARKS SLUMP = 2 3/4" ; AIR ENTR. = 3.4% ; CONCRETE TEMPS = 85° ;  
 AIR TEMPS = 89° ; 3 Test Cylinders (LA-77)

FINAL CLEARANCE  
 CONTRACTOR REPRS: Jerry M. Justice C.O.E. REPRS: James D. Mottant

INSTRUCTIONS  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

184

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Wednesday  
23 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly cloudy and hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 50%	BORROW EXCAVATION 50 %	EMBANKMENT 50 %	CONCRETE 50 %	STRUCTURE 50 %
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MINIMUM 75°	MAXIMUM 94°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.25 "	ENDING 0730 a M
------------------	--------------------

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2/19	TOTAL 2/19	LABOR
-------------	--------	--------	--------------------	---------------	-------

FEET 2.30	TIME 0800 a M
--------------	------------------

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2/18	SKILLED 8/74	LABORERS 8/70	TOTAL 18/162	FROM 0700 M	TO 1630 M	FROM M	TO M	FROM M	TO M
---------------------	-----------------	------------------	-----------------	----------------	--------------	-----------	---------	-----------	---------

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- b. Arcadia Rebar, Inc. - NO WORK THIS DATE.
- c. Gill's Crane Service, Inc. - NO WORK THIS DATE.

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

a. Wrecked forms from W Mono. #121; set forms for W. Mono 116; placed concrete for W. Mono #116; removed concrete caps from WB/L Sta.'s 103+55 to 103+15; curing; burned holes in sheet pile for resteel installation for W. Mono #114; set and tied top resteel for W. Mono 116.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04, 11 and 22 Aug 95.  
50% of days lost due to adverse weather/wet ground on 21 and 23 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K on this date. Work was scheduled for Arcadia Rebar, however, was not performed. No work today for Gill's Crane due to wet soil caused by rain.

PERCENT PROJECT COMPLETE: 37.3%  
PERCENT TIME ELAPSED: 59.3%

DATE SET FOR COMPLETION: 04 May 96

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

SELECTIVE DEMOLITION: No instructions issued.

RESTEEL INSTALLATION: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Checked surface of W. Mono #121 after forms were removed. No major defects were noted. Performed Pre-Placement Inspection on W. Mono. #116 (see attached LMN Form 1246). Observed placement of concrete on W. Mono. #116 this date. Noted that concrete was being placed in lifts not exceeding 18" and that concrete was not allowed to drop more than 5' and concrete was being well vibrated. Observed B&K burning 2½" holes in CZ-101 sheet piles at W. Mono. #114 for the installation of resteel. Holes were burned approx. 2½" above stabilization slab. Witnessed sampling and testing of concrete being performed by B&K, see attached Concrete Field Data Sheet for test results. Observed concrete finisher rubbing surfaces of W. Mono's #157 and #158.

**SELECTIVE DEMOLIITION:** Noted that B&K removed the existing concrete cap from between WB/L Sta. 103+55 and Sta. 103+15, by cutting off the existing piles at the required elevation +6.75'. The removed concrete caps were placed on the F/S of the existing sheet piles for removal from the job site at a later date. The existing piles were cut off at elevation +6.75 to serve as temporary flood protection in this area.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

COE Inspector Zane Bryant informed Mike Tassin of B&K that torn or worn burlene blankets needed to be replaced by Friday. Mr. Tassin said he would comply.

**CONTROVERSIAL MATTERS IN DETAIL.**

None.

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**

None.

Contractor's Quality Control Report (submitted/~~NOT SUBMITTED~~) for this (date/~~XXXXXX~~).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE		HRS. ON SITE	DUTIES
	DESIGNATION			
Z. Bryant	Const. Insp.	GS-07	10	QAR
J. Avettant	Const. Insp.	GS-04	7	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Observed concrete finishers wearing safety glasses while chipping on monoliths. No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

*Jennifer D. Avettant*  
Jennifer D. Avettant

DATE

25 Aug 95

SUPERVISOR'S INITIALS

*JK*

DATE

8/31/95

QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 184

DATE 23 August 1995

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:  
(CONTINUED FROM ENG FORM 2538-2, DAILY LOG OF CONSTRUCTION)

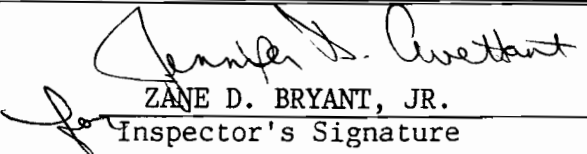
RESTEEL INSTALLATION: Noted that B&K set and tied all required resteel for top section of W. Mono #116, in accordance with shop drawings and steel schedule.  
QUALITY CONTROL: Contractor is providing adequate quality control this date.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE.

REMARKS:

NONE.

  
ZANE D. BRYANT, JR.  
Inspector's Signature





QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/23/95

REPORT NO.: 232

SKIES: Pt. Cloudy

RAIN: 0.25" IN. TEMP.: 75° MIN 94° MAX  
 (Before 6:00 AM)

DUST: NONE

LEEVE CONDITION: WET A.M. CANAL GAUGE: (2.3) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Production was slowed by wet soil conditions this morning (only one I-wall monolith could be poured today in the late afternoon). Wrecked west I-wall monolith #121. Set remaining I-wall form at West Monolith #116, after setting top re-steel mat ourselves (Arcadia Rebar not here today again). Poured concrete at West Monolith #116 today. Set stabilization slab forms from West B Sta. 103+00 to Sta. 102+25 (not poured yet). Demolished existing floodwall from West B Sta. 103+55 to Sta. 103+15. Burned holes in AZ-101 sheet piles at West Monolith #114 for rebar to pass through.

Burned hole in AZ-18 sheet piles on the East Bank (station 99+32 to Sta. 99+24) to give equipment access to the Canal side. Began clearing brush + weeds with the Kubota 151 Excavator. It was determined that some amount of dirt would be needed on the Canal side between station 99+70 and 95+00 to facilitate Temporary Flood Protection and Temp. Feeder Line Relocation.

Gill's Crane Service - Too wet for work on the South end of the job site

ARCADIA REBAR - Did not show up for work today, which also contributed to lower rate of production on I-walls.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	68	B&K Const.	Wrecking forms, setting forms, pouring
8	skilled	74	"	I-Wall concrete; Demolishing existing
1	Supt.	10	"	floodwall; setting re-steel for I-wall;
1	Q.C. Ref.	8	"	setting stabilization slab forms;
0	men	0	Arcadia Rebar	NO SHOW AGAIN TODAY
1	Unskilled	2	Gill's Crane	NO WORK - SOIL TOO WET

## EQUIPMENT

DESCRIPTION	HR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	yes	6	4	-
Komatsu D37P Dozer	-	yes	2	6	-
Kubota 151 Excavator	-	yes	4	4	-
Case 580 Backhoe #1	-	yes	3	5	-
Koehring 535 Crane	-	No	0	8	-
MKT Vibro Hammer	-	No	0	8	-
Fiat-Allis MotorGrader	-	yes	2	6	-
Mantis 3612 Crane	-	yes	5	5	-
KOMATSU EXC. 200 #2	-	yes	4	4	-
Case 580 BACKHOE #2	-	yes	3	5	-
WELDING MACHINE	-	No	0	8	-
KOEHRING 535 CRANE	-	No	0	8	-
KOEHRING 405 CRANE	-	No	0	8	-

## MATERIALS RECEIVED

Received 17 cubic yards of concrete (Mix #44-C) from Lafarge Concrete Company today, and placed this material in West I-wall Monolith #116. Concrete delivery tickets, complete with all batch information, were provided to the Government Inspector today.

## TESTS PERFORMED

(As required by plans/specifications)

BTK Construction personnel performed concrete tests and inspection on Mix #44-C concrete delivered by Lafarge Concrete Company today. Results are documented on the attached Concrete Field Data Summary Sheet.

Electric feeder lines #FL432, #FL422, and #FL340 were de-energized this morning prior to any work in the feeder lines' vicinity. No equipment came in contact with any of the feeders, and the lines listed above were all checked for any possible damage before they were released for use by the Pumping Stations.

AZ-18 Sheet piles were cut at elev. +6.75 on the East Bank between sta. 99+32 and sta. 99+24. Cuts were only made horizontally at +6.75, and then the sheet pile pieces were pulled up out of the adjoining interlocks. These pieces can be replaced, and welded & shut in the event that an Emergency Breach Closure is ordered. We don't intend to open any more gaps, or enlarge existing gaps in flood protection while tropical storms and hurricanes are threatening the Gulf Coast.

## JOB SAFETY

(Note inspection, violations/actions taken)

The project safety meeting was held yesterday (8-22-95) at 7:00 AM in the field office of B+K Construction Company. Minutes of the meeting are attached to this report, as well as a list of all attendees.

New employees were told about the safety requirements on this project, as well as special hazards they may encounter. Operators were all reminded about the location of overhead and underground electric lines.

## REMARKS

(Instructions received, miscellaneous remarks)

Inspector Zone Bryant instructed B+K Construction Supt. Mike Tassin to have all worn or torn burlap blankets used for curing I-wall concrete replaced by Friday 8-25-95. MR. Tassin stated that he would comply with these instructions, starting tomorrow.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice

Authorized Q C Representative

8-24-95

Date

BANK CONSTRUCTION COMPANY, INC.  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 8-23-95

Pour Location West I-Wall Monolith #116

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C

Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.	
275236	3:29	4:07	6.0"x	-0-	6.0"x	84°	88°	5.2	3	3:45	9
275260	5:00	5:55	2.0"x	7 gal.	3.0"x	87°	90°	4.2	-	5:25	8

REMARKS: Test Cylinder set # LA-76 .

NOTE: "x" = Actual Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN:  
Steve Stone

FOR CHECK OUT FOR

STRUCTURE

REINFORC.

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

# 116

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

8-23-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	8-23-95	2:15	ZAB	8-23-95	1500
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmg	8-23	2:20	ZAB	8-23-95	1500
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	8-23	2:20	ZAB	8-23-95	1500
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	8-23	2:25	ZAB	8-23-95	1505
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	8-23	2:25	ZJB	8-23-95	1505		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	8-23	2:30	ZJB	8-23-95	1510		
G. SAFETY (LIST)	Jmj	8-23	2:30	ZJB	8-23-95	1510		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Ladder	✓	"	"	✓	✓	✓		
3. Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	8-23	2:30	—	—	—		
Exp. Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	3:30	2 1/2				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' Shaft	"	"				
J. REMARKS	SLUMP = 6" & 3" ; AIR ENTR. = 5.2% & 4.2% ; CONCRETE TEMPS = 84° & 87° ; AIR TEMPS = 88° & 90° ; 3 Test Cylinders (LA-76) <b>FINAL CLEARANCE</b>							
CONTRACTOR REPRS:	Jerry M. Justice			C.O.E. REPRS:				ZJB
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								



**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL**  
(ER 415-1-302)

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
183

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Tuesday  
22 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Cloudy and rain

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 0 %	BORROW EXCAVATION 0 %	EMBANKMENT 0 %	CONCRETE 0 %	STRUCTURE 0 %
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MINIMUM 75	MAXIMUM 92
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.60	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2/15	TOTAL 2/15	LABOR
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FEET 2.50	TIME 0800	a M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2/12	SKILLED 11/26	LABORERS 8/10.5	TOTAL 21/48.5	FROM 0700 M	TO 1100 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - No progressive work performed this date.
- b. \_\_\_\_\_
- c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)  
No progressive work performed this date, due to inclement weather. Heavy rainfall at approximately 0700 hrs, this date, prevented any work from being performed due to very wet conditions.

Days of no work and reasons for same:  
100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04, 11, and 22 Aug 95.  
50% of days lost due to adverse weather/wet ground on 21 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.  
No progressive work performed this date, due to adverse weather conditions.

DATE SET FOR COMPLETION: 04 May 96  
PERCENT PROJECT COMPLETE: 37.2%  
PERCENT TIME ELAPSED: 59.2%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:  
No CQC Inspection Phases were attended this date, due to no work being performed by any of the contractors.

RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS CQC ACTIVITIES

No QA Inspections were performed this date, due to no work being performed by any of the contractors, due to early morning rains. Did make a visual inspection and found all access road gates closed and secured throughout the project.

VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)

None.

CONTROVERSIAL MATTERS IN DETAIL.

NONE.

INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.

NONE.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

REMARKS (include visitors to project and miscellaneous remarks pertinent to work)

GOVERNMENT PERSONNEL ON SITE

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
Z. Bryant	Const. Insp. GS-07	7 hrs.	QAR
J. Avettant	Const. Insp. GS-04	7 hrs.	QAR

SAFETY: (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken)

All safety fence gates were closed and secured. No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S INITIALS

DATE

Jennifer D. Avettant

25 Aug 95

rw

8/31/95



QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/22/95

REPORT NO.: 231

SKIES: Cloudy-Rain

RAIN: 0.60 IN. TEMP.: 75 MIN 92 MAX

DUST: None

LEVEE CONDITION: Wet CANAL GAUGE: (2.5) NOISE: Minimal

WORK PERFORMED/LOCATION

B&K Construction Company - Too wet for any floodwall work, and more rain was falling at 7:00 AM. Unloaded reinforcing steel delivered by Lulich Steel Company today for the East Bank I-Wall Monoliths. No other work performed today.

Gill's Crane Service - Too wet for any sheet piling work today - No work performed.

Arcadia Rebar - Too wet - No work performed.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY  
 COMPANY

NO TRADE HOURS LOCATION/WORK DESCRIPTION

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	10.5	B&K Const.	Unloaded reinforcing steel delivered by Lulich Steel Company today. No other work performed due to wet soil and rain fall.
9	skilled	24	"	
1	supt.	8	"	
1	a.c.Rep	4	"	
0	Men	0	Gill's Crane	No work performed Today.
2	skilled	2	Arcadia Rebar	Show up Time Only - No work performed due to wet soil on the levee.

## EQUIPMENT

DESCRIPTION	HR/DEP	SAFETY CHECK	HRS USE	IDLE	REPAIR
Komatsu 200 Excavator 1	—	NO	0	8	—
Komatsu D37P Dozer	—	YES	1	7	—
Kubota 151 Excavator	—	yes	1	7	—
Case 580 Backhoe	—	yes	1	7	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	2	6	—
KOMATSU EXC. 200 #2	—	No	0	8	—
Case 580 BACKHOE #2	—	No	0	8	—
WELDING MACHINE	—	No	0	8	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	No	0	8	—

## MATERIALS RECEIVED

Received reinforcing steel for East Bank F-Wall Monoliths #101 through #93 and monoliths #50 through #42. Unloaded this material on the West Bank at the Pratt Drive Staging Area (Prentiss Avenue Location) due to wet site conditions.

## TESTS PERFORMED

(As required by plans/specifications)

NONE PERFORMED TODAY

Inspected the steel delivered today from Lulich Steel Company. The proper amounts of each bar were delivered, except for the #4 U-Bars that go at the top of the wall. None of these bars were sent, and Lulich steel was notified of this shortage today. Steel was clean and free of Rust when delivered. Test Reports and Mill Certificates were provided with the steel delivery. The material will be moved to the East Bank when soil conditions permit, or as needed.

## JOB SAFETY

(Note inspection, violations/actions taken)

checked swing gates at Robert E. Lee Blvd., Filmore, and Mirabeau Avenues today. All were closed and secured except for at Mirabeau Avenue on the west Bank. No swing gate was ever installed at this location yet, but closed off with hog wire fence material. Swing gates will be installed here as soon as possible. Silt fencing was checked on the West Bank. No sign of silt or sediment was observed outside of the fenced area.

REMARKS

(Instructions received, miscellaneous remarks)

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry M. Justice  
Authorized Q C Representative

8-23-95  
Date

B+K Construction  
MINUTES OF SAFETY MEETING

DATE: 8-22-95

TIME: 7:00 AM

PROJECT: London Avenue Canal Floodwall Project

MEETING CONDUCTED BY: Jerry Justice

PERSONS ATTENDING:

James K. Bratton  
FRANK BERNARD  
Mark Walker  
Harry J. Giel  
Paul Leonard  
Richard Albert  
Chad Lucas  
Emal Rasmussen

Steve Hoone  
Mike Esareau  
Blaine??  
Michael Dillon  
David Blanton  
Paul DeBari  
Dale J. Suggs  
Eric Bailey  
Byron Verdum  
Jerry Justice

TOPICS DISCUSSED:

Made new employees and old employees aware of the Electric Feeder Line locations on this job. These electric lines must be de-energized before starting work each day. Operators were told that they have a greater responsibility to protect these feeder lines from damage during the work day. Any possible damaged cables must be reported immediately to your Supt. or foreman. The Sewerage and Water Board will then be notified and the damage will be inspected and lines tested.

Overhead electric lines at Pump Sta. #4, at Mirabeau Avenue, and at Filmore Avenue cross the canal, and care must be taken to stay clear of these O.H. lines by a minimum of 10'.

COMMENTS:

New employees were told that steel toe boots are required, as well as hard hats. Eye Protection will be provided to employees that are welding, burning, chipping or pouring concrete. Other activities may also require eye protection. Failure to use the eye protection provided by B+K Construction could result in termination.

[Signature]  
CONTRACTOR'S SUPERINTENDENT



<b>INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - CIVIL (ER 415-1-302)</b>						<b>THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR</b>			
						REPORT NUMBER 182			
TO Area Engineer, CELMN-CD-NO			COPY TO: C/Const. Div. CELMN-CD			DATE Sat., Sun. & Mon. 19, 20 & 21 August 1995			
PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal, Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.						CONTRACT NUMBER DACW29-94-C-0079			
CONTRACTOR (Or hired labor) B & K Construction Company, Inc. 1905 Highway 59, Mandeville, La. 70448						WEATHER Cloudy with Rain to Ptly Cldy & Hot			
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS						TEMPERATURE			
STRUCTURAL EXCAVATION 50%	BORROW EXCAVATION 50%	EMBANKMENT 50%	CONCRETE 50%	STRUCTURE 50%	MINIMUM 76°	MAXIMUM 96°			
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (Explain)						24 HOUR PRECIPITATION			
						INCHES 1.00"		ENDING 0730	
NUMBER OF GOVERNMENT EMPLOYEES						Canal RIVER STAGE			
SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 1-8 hrs	LABOR	FEET 2.30'	TIME 0800		
NUMBER OF CONTRACTOR'S EMPLOYEES						NUMBER OF SHIFTS <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3			
SUPERVISORY 2-18 hrs	SKILLED 13-88 hrs	LABORERS 11-72 hrs	TOTAL 26-178	FROM 0700 M	TO 1630 M	FROM M	TO M	FROM M	TO M
Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite. Note: If the contractor's Quality Control Report (OCR) contains the information it need not be repeated.									
CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY									
a. <u>B &amp; K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION</u>									
b. <u>Arcadia Rebar, Inc. - RESTEEL INSTALLATION</u>									
c. <u>Gill's Crane Service, Inc. - NO WORK THIS DATE.</u>									
WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)									
a) Wrecked forms from W. Monos #118 & #123; Set forms for W. Mono #121, and F/S form for W. Mono #116; Placed concrete for W. Mono #121; Removed existing concrete cap between WB/L Sta's 103+55 & 103+95; Curing; Rubbed P/S surfaces only on W. Monos #158 & #159; Burned holes in sheet pile for resteel installation in W. Monos #115 & #116.									
b) Set & tied resteel for of W. Mono #116 and top resteel for W. Mono #121.									
Days of no work and reasons for same:									
100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04 & 11 Aug 95.									
50% of day lost due to adverse weather/wet ground on 21 Aug 95.									
Information on progress of work, causes for delays and extent of delays, Plant, material, etc.									
Progressive work was scheduled and performed by B&K and Arcadia on Mon., 21 Aug 95. Work was scheduled but not performed by Gill on Mon., 21 Aug 95, due to wet ground conditions. No work was scheduled or performed on Sat. & Sun., 19 & 20 Aug 95 by any of the contractors.									
DATE SET FOR COMPLETION: <u>04 AMY 96</u>						PERCENT PROJECT COMPLETE: <u>37.2%</u>			
						PERCENT TIME ELAPSED: <u>59.0%</u>			
CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:									
Attended the following CQC Inspection Phases on Mon., 21 Aug 95:									
<u>REINFORCED CONCRETE FLOODWALL:</u> No instructions issued.									
<u>SELECTIVE DEMOLITION:</u> No instructions issued.									
<u>RESTEEL INSTALLATION:</u> No instructions issued.									

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed on Mon., 21 Aug 95:  
REINFORCED CONCRETE FLOODWALL: Checked surfaces of W. Monos #118 & #123 after forms were removed and noted no major surface defects. Performed Pre-Placement Inspection on W. Mono #121 prior to placement of concrete this date (see attached LMN Form 1246). Observed placement of concrete for W. Mono #121 this date. Noted that concrete is not being allowed to drop more than 5', is being placed in lifts not exceeding 18", and is being well vibrated. Observed B&K burning 2½" holes in new sheet piles approx. 2½" above the stab slab, for the installation of resteel, in W. Monos #115 & #116 (holes were 12" O/C). Witnessed sampling and testing of concrete being sued this date, by B&K (see attached Concrete Field Data Sheet for test results). Observed finisher rubbing P/S surfaces only on W. Monos #158 & #159. Noted that finisher patched tie-rod holes in surfaces of W. Monos #118 & #123 after forms were removed this date. Curing being performed on W. Monos #118, #120, #122, #123, #124, #125, #127, #129 & #131 with wetted burlene blankets.  
SELECTIVE DEMOLITION: Noted that B&K removed the existing concrete cap from between WB/L Sta's 103+55 & 103+95, by cutting off the existing piles at elev. +6.75' as required.  
 (CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR** (Include names, reactions and remarks)  
 NONE

**CONTROVERSIAL MATTERS IN DETAIL.**  
 NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**

NOTE: Project received approx. 0.80" of rain on Sun., 20 Aug 95, and approx. 0.20" of rain on Mon., 21 Aug 95.

NOTE: Contractor moved the Kubota 151 Excavator from the west levee at Pump Sta. #4, to the east levee in vicinity of Filmore Ave. at approx. EB/L Sta. 86+00, in preparation for beginning work on the temporary flood protection in this reach.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/period).

**REMARKS** (Include visitors to project and miscellaneous remarks pertinent to work)

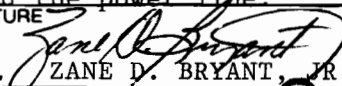

GOVERNMENT PERSONNEL ON SITE

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
Z. BRYANT	Const. Insp., GS-07	7 hrs. (Mon)	QAR

**SAFETY** (Include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)

Noted all personnel on-site wearing hard hats and protective footwear on Mon., 21 Aug 95.

NOTE: QAR was notified at approx. 1200 hrs. on Tue., 22 Aug 95, that at approx. 1530 hrs. on Mon., 21 Aug 95, the Komatsu 200 Excavator came in contact with the overhead power lines in the vicinity of Mirabeau Ave. at the east levee. No personnel were injured, however some damage was incurred by the excavator and the overhead power lines. NOPSI/Entergy came out and repaired the power line.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 23 AUG 95	SUPERVISOR'S INITIALS 	DATE 8/30/95
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9-1

QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 182

Sat., Sun. & Mon.  
DATE 19, 20 & 21 Aug 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:  
(CONTINUED FROM ENG FORM 2538-2, DAILY LOG OF CONSTRUCTION)

SELECTIVE DEMOLITION: The removed existing concrete cap was placed on the F/S of the existing sheet piles, and will be removed from the site at a later date. The existing sheet piles were cut off at elev. +6.75' for use as the temporary flood protection in this area.

RESTEEL INSTALLATION: Observed rod busters setting and tying all required resteel for the top section of W. Mono #121, and the bottom section of W. Mono #116, in accordance with approx. shop drawing and steel schedule. All resteel was tied at 100%.

QUALITY CONTROL: Contractor is providing adequate quality control this date.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE

  
ZANE D. BRYANT, JR.  
Inspector's Signature



FO CHECK OUT FOR  STRUCTURES  REINFORC CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH West# 121 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 8-21-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	8-21-95	11:30	ZAB	8-21-95	1130
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmg	8-21	11:30	ZAB	8-21-95	1130
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	8-21	11:35	ZAB	8-21-95	1135
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	8-21	11:40	ZAB	8-21-95	1140
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	8-21-95	11:40	ZAB	8-21-95	1140		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.85'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	8-21	11:45	ZAB	8-21-95	1145		
G. SAFETY (LIST)	JmJ	8-21	11:45	ZAB	8-21-95	1145		
1. Ladder	✓	"	"	✓	✓	✓		
2. Scaffold	✓	"	"	✓	✓	✓		
3. Rigging check	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-21	11:45	ZAB	8-21-95	1145		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	12:05	2				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' Shaft	"	"				
J. REMARKS	SLUMP = 3 1/4" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 88° ;							
	AIR TEMPS = 91° ; 3 Test Cylinders (LA-75)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice				C.O.E. REPRS: Z. A. B.			
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/21/95

REPORT NO.: 230

SKIES: Clear - Pt. Cloudy RAIN: 0" IN. TEMP.: 76° MIN 96° MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.3) NOISE: moderate

WORK PERFORMED/LOCATION

8-19-95 Saturday - No Work Performed.  
 8-20-95 Sunday - No Work Performed. 0.80" Rainfall  
 8-21-95 Monday - B+K Construction - Wrecked west Monoliths #123 and #118. Formed and poured concrete at West Mono. #121. Set canal side form at West Mono. #116. Demolished existing floodwall from West B Sta. 103+95 to Sta. 103+55. Burned holes in C2-101 sheet piles for rebar at west Monoliths #116 and #115. Cement finisher patched and rubbed concrete surfaces at west Monoliths #159 and #158 (Land Side Only). Moved the Kubota excavator to Filmore Ave, East Bank, to begin Temporary Flood Protection work there. Cut down handrails at Filmore East sidewalk steps to widen Temp. Access here. Surveyor set offset lines and control elevation marks for West Monoliths #116 through #112.  
 Arcadia Rebar - Tied bottom steel at West Monolith #116. Set top steel at West Mono. #121. Pre-tied one re-steel mat for future placement in I-Wall stems.  
 Gill's Crane - Showed up for work, and determined that the levee was too wet for work today.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY  
 COMPANY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
9	Unskilled	68	B&K Const.	Wrecking, forming, & pouring concrete
9	Skilled	68	"	I-Wall Monoliths; Demolishing existing
1	Supt.	9	"	concrete floodwall; Finishing concrete
1	Q.C. Rep.	9	"	I-Wall surfaces; Mobilizing equipment
				for East Bank work; Establishing
				lines & grades for I-Wall work.
3	Skilled	18	Arcadia Rebar	Tying re-steel for I-Wall
				Monoliths (See Above).
1	Skilled	2	Gill's Crane	Too wet for work due to
2	Unskilled	4	"	heavy rain on Sunday evening.



## EQUIPMENT

DESCRIPTION	HRR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	5	3	—
Komatsu D37P Dozer	—	NO	0	8	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	NO	0	8	—
MKT Vibro Hammer	—	NO	0	8	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	6	2	—
KOMATSU EXC. 200 #2	—	yes	2	6	—
Case 580 BACKHOE #2	—	yes	2	6	—
WELDING MACHINE	—	NO	0	8	—
KOEHRING 535 CRANE	—	NO	0	8	—
KOEHRING 405 CRANE	—	NO	0	8	—

## MATERIALS RECEIVED

Received 17 cubic yards of Concrete (Mix #44-c) from Lafarge Concrete Company today. Placed this material in West I-Wall Monolith #121. Delivery tickets were furnished to Inspector Zane Bryant, complete with all batch weights and information.

## TESTS PERFORMED

(As required by plans/specifications)

B+K Construction performed concrete tests and inspections on concrete (Mix #44-c) delivered by Lafarge Concrete Company today. Slumps, Air Contents, temperatures, and times are documented on the Concrete Field Data Summary sheet.

I inspected the I-wall work done today, on the West Bank at Monolith #121. The stab. slab and sheet piling were cleaned prior to re-steel placement. Next, the bottom re-steel was tied in place by Arcadia Rebar. Then the Canal Side form was set in place and blocked off at the bottom. Turnbuckles were used to plumb the form. Top steel mats were pre-tied on the levee. One of these mats was lifted by the Mantis Crane and set in place (on Monolith #121). Next the steel was tied and clearances set off of the back I-wall form. The Land Side I-wall form was then set, bulkheads closed up and braced off. All tie-bolts were installed and form width was set by carpenters. Top of the wall (elev. +14.40) was chamfered 3/4", as well as all vertical corners. (Water stop and expansion material had been previously installed.) The completed form was inspected by BTK Const's Quality Control Representative and the Corps of Engineers Project Inspector before concrete placement began.

## JOB SAFETY

(Note inspection, violations/actions taken)

Inspected the spreader beam and rigging used to lift I-wall forms today. Welds on the beam were in good condition - No cracks, splits, or defects were found. Slings and shackles were all in good condition. Some flattening of wire rope slings was evident, but no broken wires or strands were found. The operator of the Mantis Crane was told to check this rigging daily, and report any defects OR worn parts to his superintendent.

## REMARKS

(Instructions received, miscellaneous remarks)

The Komatsu 200 excavator #2 came in contact with the overhead power lines at Mirabeau Avenue, causing some damage to the machine and to the overhead line. NPSI/ENERGY was notified and Repair Trucks were on the scene at 4:00 P.M. today.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice

Authorized Q C Representative

8-22-95

Date

B K CONSTRUCTION COMPANY, I  
 LONDON AVENUE CANAL FLOODWALL PROJECT  
 CONCRETE FIELD DATA SUMMARY

DATE: 8-21-95

Pour Location West I-Wall Monolith #121 ~~and #116~~

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.	
514830	12:00	1:00	2.0" o	15 gal.	3.25" x	88°	91°	5.0	3	12:30	9
274849	1:13	2:13	3.0" o	0.	3.0" x	87°	92°	5.4	-	1:35	8

REMARKS: Test Cylinder set # LA-75.

NOTE: "x" = Actual Slump Determination  
 "o" = Visual Slump Determination

TECHNICIAN:  
Steve Thome

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

181

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Friday  
18 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 78°	MAXIMUM 98°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-14 hrs	TOTAL 2-14 hrs	LABOR
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FEET 2.30'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-20½ hrs	SKILLED 15-131 hrs	LABORERS 7-59 hrs	TOTAL 24-201½	FROM 0700 M	TO 1800 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above.)  
a) Wrecked forms from W. Monos #120 & #125; Set forms & placed concrete for W. Monos #118 & #123; Placed stab slab between WB/L Sta's 103+13 & 103+95; Removed existing concrete caps between WB/L Sta's 103+95 & 104+35; Curing; Finishing P/S surfaces of W. Monos #159 & #160.  
b) Drove 36 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 74+58.10 & 75+22.95.  
c) Set & tied top resteel for W. Monos #118 & #123, and bottom resteel for W. Mono #118 & #121

Days of no work and reasons for same:  
100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04 & 11 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K, Gill and Arcadia this date. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 37.1%

PERCENT TIME ELAPSED: 58.5%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

SELECTIVE DEMOLITION: No instructions issued.

RESTEEL INSTALLATION: No instructions issued.

STEEL SHEET PILES: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed this date:

REINFORCED CONCRETE FLOODWALL: Checked surfaces of W. Monos #120, & #125 after forms were removed and noted no major surface defects. Performed Pre-Placement Inspections on W. Monos #118 & #123 prior to placement of concrete (see attached LMN Form 1246's). Observed placement of concrete for W. Monos #118 & #123 this date. Noted that concrete is not being allowed to drop more than 5' by use of trimmie chutes, is being placed in lifts of less than 18", and is being well vibrated (spare vibrator on hand). Witnessed sampling & testing by B&K of concrete being used this date (see attached Concrete Field Data Sheet for test results). Observed finisher rubbing P/S surfaces of W. Monos #159 & #160 this date. Noted that wet burlene blankets were being used for curing on W. Monos #120, #122, #124, #125, #127, #129 & #130, and that blankets were being kept wet. Checked graded area for stab slab between WB/L Sta's 103+00 and 103+95 and found it graded to accept +4.0" of concrete. Observed placement of concrete for stab slab between WB/L Sta's 103+15 & 103+95, to a top elev. of +2.95'. Noted that B&K cut holes in sheet piles for resteel installation in W. Monos #117 & #119.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**

NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**


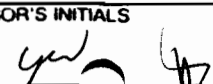
GOVERNMENT PERSONNEL ON SITE

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
Z. BRYANT	Const. Insp., GS-07	6 hrs.	QAR
J. AVETTANT	Const. Insp., GS-04	7 hrs.	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken)**

Checked slings being used to lift I-Wall Forms this date. Found all slings to be in very good condition.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 23 AUG 95	SUPERVISOR'S INITIALS 	DATE 8/30/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 181

DATE Fri. - 18 Aug 95

**QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:**

(CONTINUED FROM ENG FORM 2538-2, DAILY LOG OF CONSTRUCTION)

SELECTIVE DEMOLITION: Observed contractor removing the existing concrete caps from the existing floodwall between WB/L Sta's 103+95 and 104+35, by cutting off the existing sheet piles at approx. elev. +6.75' for temporary flood protection. The existing concrete cap was placed on the F/S of the existing sheet piles, and will be removed from site at a later date.

RESTEEL INSTALLATION: Checked and found that Arcadia had properly installed all required resteel for the bottom sections of W. Monos #118 & #121, and the top sections of W. Monos #118 & #123. All resteel spaced and tied in accordance with approved shop drawings.

STEEL SHEET PILES: Noted that subcontractor (Gill) drove 36 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 74+58.10 and 75+22.95. All piles were driven plumb and on proper alignment, to a top elev. of +5.75', except at proposed Monolith joints where 4 piles were driven to a top elev. of +5.00' as required. Noted that all interlocks on sheet piles were properly engaged.

QUALITY CONTROL: Contractor is providing adequate quality control this date.

**VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:**

NONE

**REMARKS:**

NONE

  
ZANE B. BRYANT, JR.  
Inspector's Signature





FORM CHECK OUT FOR STRUCTURES REINFORCED CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH WEST# 118 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 8-18-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	8-18-95	2:55	ZJB	8-18-95	1500
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmg	8-18	2:55	ZJB	8-18-95	1500
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	8-18	3:00	ZJB	8-18-95	1500
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	8-18	3:05	ZJB	8-18-95	1505
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	8-18-95	3:05	ZJB	8-18-95	1505
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.86'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	8-18	3:10	ZJB	8-18-95	1510
G. SAFETY (LIST)	JmJ	8-18	3:10	ZJB	8-18-95	1510
1. Ladder	✓	"	"	✓	✓	✓
2. Scaffold	✓	"	"	✓	✓	✓
3. Rigging check	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-18	3:10	—	—	—
Exp. Material	NINE THIS FOUR	"	"			

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	EXCAVATOR	3:40	1 1/2				
Concrete Bucket	1	10 c.y.	"	1 1/2				
Concrete Vibrator	1	12' shaft	"	1 1/2				

J. REMARKS SLUMP = 3" ; AIR ENTR. = 5.82% ; CONCRETE TEMPS = 87° ;  
 AIR TEMPS = 96° ; 3 Test Cylinders (LA-74)

FINAL CLEARANCE  
 CONTRACTOR REPRS: Jerry M. Justice C.O.E. REPRS: [Signature]

INSTRUCTIONS  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

FC CHECK OUT FOR

STRUCTURES  
 REINFORC

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

West # 123

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

8-18-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JMD	8-18-95	12:00	ZJB	8-18-95	12:10
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JMD	8-18	12:00	ZJB	8-18-95	12:10
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JMD	8-18	12:05	ZJB	8-18-95	12:10
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JMD	8-18	12:10	ZJB	8-18-95	12:15
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JMJ	8-18-95	12:10	ZAB	8-18-95	12:15		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.85'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JMJ	8-18	12:15	ZAB	8-18-95	12:20		
G. SAFETY (LIST)	JMJ	8-18	12:15	ZAB	8-18-95	12:20		
1. Ladder	✓	"	"	✓	✓	✓		
2. Scaffold	✓	"	"	✓	✓	✓		
3. Eye Protection	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JMJ	8-18	12:15	ZAB	8-18-95	12:20		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1:00	2				
Conc. Bucket	1	1.0 c.y.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
J. REMARKS	SLUMP = 1" ; AIR ENTR. = 5.5% ; CONCRETE TEMPS = 90° ; AIR TEMPS = 97° ; 3 Test Cylinders (LA-74) <b>FINAL CLEARANCE</b>							
CONTRACTOR REPRS:	Jerry M. Justice			C.O.E. REPRS: <i>[Signature]</i>				
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/18/95

REPORT NO.: 229

SKIES: Pt. Cloudy

RAIN: 0

IN. TEMP.: 78° MIN 98° MAX

DUST: Some

LEEVE CONDITION: Dry CANAL GAUGE: (2.3) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Wrecked I-Wall forms at West Monoliths #125 and #120. Cleaned, oiled, and set these forms at West Monoliths #123 and #118 today. Placed concrete at West Monoliths #123 and #118 today. Poured concrete in stabilization slab from west B Sta. 103+95 to Sta. 103+15. Demolished existing floodwall from West B Sta. 104+35 to Sta. 103+95. Burned holes in C2-101 Sheet piles for rebar at West Monoliths #117 and #119. Cement Finisher patched and repaired concrete surfaces at West I-Wall Monoliths #160 and #159; Land Side only.

Arcadia Rebar - Tied reinforcing steel for I-Wall at West Monoliths #121 and #118 (btm. steel only) and set top re-steel mats at West Monoliths #123 and #118.

Gill's Crane Service - Drove new C2-101 Sheet piles from East B Sta. 75+22.95 to Sta. 74+58.19 (36 Pcs. at 21'-9" long each piece).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	51	B&K Cmst.	Wrecking, forming, + Pouring
10	Skilled	91	"	I-Wall monoliths; Demolishing
1	Supt.	10	"	existing floodwall; Pouring concrete
1	Q.C.Rep.	10.5	"	stabilization slab; Finishing concrete
				surfaces on I-Wall monoliths. (See Locations Above)
3	Skilled	24	Arcadia Rebar	Tying re-steel for I-wall (see location Above)
2	Skilled	16	Gill's Crane	Driving new C2-101 sheet piles
1	Unskilled	8	"	for I-wall (see location Above).

## EQUIPMENT

DESCRIPTION	...R/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	4	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	No	0	8	—
Case 580 Backhoe #1	—	yes	3	7	—
Koehring 535 Crane	—	yes	7	1	—
MKT Vibro Hammer	—	yes	7	1	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	7	3	—
KOMATSU EXC. 200 #2	—	yes	3	5	—
CASE 580 BACKHOE #2	—	yes	3	5	—
WELDING MACHINE	—	No	0	8	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	No	0	8	—

## MATERIALS RECEIVED

Received 8 cubic yards of concrete for stabilization slab (mix #44-C) on the West Bank from station 103+95 to 103+15. Also received 34 cubic yards of the same material, for West I-wall Monoliths #123 and #118. All batch weights and amounts were printed on the delivery tickets, which were furnished to inspector zone Bryant today.

## TESTS PERFORMED

(As required by plans/specifications)

B+K Construction performed tests and inspection on mix #44-C concrete delivered by Lafarge Cmc. Co. today. Results are documented on the attached Concrete Field Data Summary Sheet.

Delta Testing was scheduled to be here today monitoring vibrations adjacent to sheet pile driving work. I could not confirm that any testing was done however, because I could not find a Delta Testing technician today.

I inspected the concrete material delivered by Lafarge Concrete Company today (Mix #44-C). The material was delivered to the job (by mixing trucks) within 45 minutes after batch time, allowing B&K Construction 45 minutes to place the material. Slumps, air contents, and temperatures were all within acceptable limits. The mixture was uniform in consistency and color. No deleterious matter was observed in the concrete mixture. All ingredients of the concrete mix were listed on delivery tickets with their corresponding weights or amounts.

Also checked the stabilization slab work done today. The underlying soil was graded smooth to an elevation of  $\pm 2.60$  prior to placing concrete. No standing water was present in the excavation. Two by four forms were set to grade (top =  $+2.95$ ), and concrete was placed in these forms, and then squared off on the leading end. Finishers troweled the slab surface to a smooth finish.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked scaffolds and ladders on the I-Wall forms today. Walkboards, hand rails, toe-boards, and mid-rails were all in place. Loose materials and tools were cleared off of the scaffolding prior to placement of concrete.

Checked fire extinguishers at the staging area - Robert E. Lee and Pratt Drive. A 10 lb. "ABC" extinguisher was mounted outside (50' from fuel tank) and a 5 lb ABC ext. was mounted in each office trailer.

## REMARKS

(Instructions received, miscellaneous remarks)

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

*Jerry Justice*

Authorized Q C Representative

8-21-95

Date



B K CONSTRUCTION COMPANY,  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 8-18-95

Pour Location West I-Wall Monoliths #123 and #118.

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 PSI

TICKET NO	TIME ARRVD	TIME CNPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
274480	10:00	11:15	1.0"°	20 gal	3.0"°	85° 93°	-	-	10:30	8
274542	12:54	1:50	-0-"°	25 gal	1.0"x	90° 97°	5.5	3	1:20	9
274561	2:06	2:55	4.0"°	-0-	4.0"°	89° 96°	-	-	2:30	8
274588	3:30	4:10	1.0"°	20 gal	3.0"x	87° 96°	5.8	-	3:50	9
274601	4:30	5:11	2.0"°	20 gal	4.0"°	88° 96°	-	-	4:45	8

REMARKS: Test Cylinder set # LA-74.

NOTE: "x" = Actual Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN:

Steve Thorne

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
180

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Thursday  
17 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
--------------------------------	----------------------------	---------------------	-------------------	--------------------

TEMPERATURE	
MINIMUM 78°	MAXIMUM 98°

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY 1-2 hrs	OFFICE	LAYOUT	INSPECTION 2-14½ hrs	TOTAL 3-16½ hrs	LABOR
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Canal RIVER STAGE	
FEET 2.40'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-20 hrs	SKILLED 15-134 hrs	LABORERS 6-52 hrs	TOTAL 23-206
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NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1		<input type="checkbox"/> 2	<input type="checkbox"/> 3
FROM 0700 M	TO 1730 M	FROM M	TO M

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

- a) Wrecked forms from W. Monos #122 & #127; Set forms & placed concrete for W. Monos #120 & #125; Formed for stab slab WB/L Sta's 103+00 to 103+50; Removed existing concrete caps between WB/L Sta's 104+35 & 104+75; Curing; Rubbed surfaces of W. Monos #169 & #170.
- b) Drove 12 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 75+22.95 & 75+44.60.
- c) Set & Tied top resteel for W. Monos #120 & #125 and bottom resteel for W. Monos #120 & #123.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04, & 11 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K, Gill and Arcadia this date. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 36.7%  
PERCENT TIME ELAPSED: 58.4%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

SELECTIVE DEMOLITION: No instructions issued.

RESTEEL INSTALLATION: No instructions issued.

STEEL SHEET PILES: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Checked surfaces of W. Monos #122 & #127 after forms were removed, and noted that there were no major surface defects. Performed Pre-Placement Inspections on W. Monos #120 & #125 prior to placing concrete (see attached LMN Form 1246's). Observed the placement of concrete for W. Monos #120 & #125 this date. Noted that concrete is not being allowed to drop more than 5', is being placed in lifts of less than 18", and is being well vibrated. Witnessed sampling and testing of concrete being used, by B&K (see attached Concrete Field Data Sheet for test results). Noted that burlene was being kept wet on W. Monos #122, #124, #126, #127, #129, #131 & #133 as required for curing. Noted that B&K has cut holes in sheet piles approx. 2½" above stab slab for resteel installation in W. Mono #118. Observed finisher rubbing on P/S surfaces of W. Monos #169 & #170. Checked and found to elev. of forms set from stab slab between WB/L Sta's 103+00 & 103+50 to be at +2.95'.

**SELECTIVE DEMOLITION:** Noted that B&K cut off the existing piles at approx. elev. +6.75' and removed the existing concrete cap between WB/L Sta's 104+35 & 104+75. Placed concrete cap on the F/S of sheet piles, and will removed it at a later date.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

QAR, Z. Bryant instructed B&K Supt., M. Tassin to repair the silt fence at approx. WB/L Sta. 105+25, due to the fence in this area beginning to lay-over (fail). Mr. Tassin stated that he would have it repair by Fri., 18 Aug 95.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**

NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

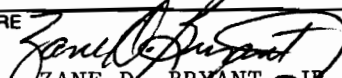
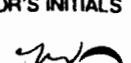
**GOVERNMENT PERSONNEL ON SITE**

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
C. WAGNER	Civ. Engr., GS-11	2 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	6½ hrs.	QAR
J. AVETTANT	Const. Insp., GS-04	7 hrs.	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective action taken.)**

Checked and found the hoist cable on the Koehring 535 Piledriver to be in good condition this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT	DATE 23 AUG 95	SUPERVISOR'S INITIALS 	DATE 8/30/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 180

DATE Thu. - 17 Aug 95

**QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:**  
(CONTINUED FROM ENG FORM 2538-2, DAILY LOG OF CONSTRUCTION)

RESTEEL INSTALLATION: Checked and found that subcontractor (Arcadia) has properly installed and tied all required resteel for the bottom sections of W. Monos #120 and #123, and the top sections of W. Monos #120 & #125, in accordance with approved shop drawings. All resteel was tied and 100% and proper spaced.

STEEL SHEET PILES: Observed subcontractor (Gill) stabbing and driving 12 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 75+22.95 and 75+44.60, to a top elev. of +5.75', except at proposed monolith joints where the piles were driven to a top elev. of +5.00'. Checked and found all piles were driven plumb, on proper alignment, and all interlocks were properly engaged.

ENVIRONMENTAL PROTECTION: Noted that contractor was picking up trash throughout the jobsite and properly disposing of all trash and debris.

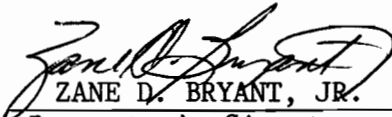
QUALITY CONTROL: Contractor is providing adequate quality control.

**VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:**

NONE

**REMARKS:**

NONE

  
ZANE D. BRYANT, JR.  
Inspector's Signature



FORM CHECK OUT FOR

STRUCTURES  
 REINFORC

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave  
Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH  
West# 120

LIFT NO.  
ONE

ELEVATION  
from 3.00 to 14.40

DATE OF POUR  
8-17-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	8-17-95	1:50	[Signature]	8-17-95	1350
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmD	8-17	1:50	[Signature]	8-17-95	1350
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	8-17	1:55	[Signature]	8-17-95	1355
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED "	✓	"	"	✓	"	"
E. FORMWORK	JmD	8-17	2:00	[Signature]	8-17-95	1400
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	8-17	2:00	[Signature]	8-17-95	1400
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.87'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmj	8-17	2:05	[Signature]	8-17-95	"
G. SAFETY (LIST)	Jmj	8-17	2:05	[Signature]	8-17-95	"
1. Eye Protection	✓	"	"	✓	"	"
2. Ladder & Scaffold	✓	"	"	✓	"	"
3. Rigging Check	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	8-17	2:05	—	—	—
Exp. Material	NONE THIS POUR	"	"	—	—	—

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	2:30	2				
Concrete vibrator	1	18' shaft	"	"				
Concrete bucket	1	1.0 cu.	"	"				

J. REMARKS SLUMP = 3 3/4" ; AIR ENTR. = 5.8% ; CONCRETE TEMPS = 88° ;  
AIR TEMPS = 96° ; 3 Test Cylinders (LA-73)

**FINAL CLEARANCE**

CONTRACTOR REPRS: *Jerry M. Justice* C.O.E. REPRS: *[Signature]*

**INSTRUCTIONS**

CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.



FO CHECK OUT FOR  STRUCTURES  REINFORC CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 125 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 8-17-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	8-17-95	10:40	[Signature]	8-17-95	1040
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	8-17	10:40	[Signature]	8-17-95	1040
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	8-17	10:45	[Signature]	8-17-95	1040
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED "	✓	"	"	✓	"	"
E. FORMWORK	JmJ	8-17	10:45	[Signature]	8-17-95	1045
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	8-17-95	10:45	Da	8-17-95	10:45
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.85'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	JmJ	8-17	10:50	Da	8-17-95	10:50
G. SAFETY (LIST)	JmJ	8-17	10:50	Da	8-17-95	10:50
1. Ladder	✓	"	"	✓	"	"
2. Scaffold	✓	"	"	✓	"	"
3. Rigging	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-17	10:55	—	—	—
Expansion Material	✓	"	"	—	—	—

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	12:00	2				
concrete Bucket	1	1.0 c.y.	"	2				
Concrete Vibrator	1	18' shaft	"	2				

J. REMARKS SLUMP = 4" ; AIR ENTR. = 6.0% ; CONCRETE TEMPS = 85° ;  
 AIR TEMPS = 92° ; 3 Test Cylinders (LA-73)

CONTRACTOR REPRS: Jerry M. Justice FINAL CLEARANCE C.O.E. REPRS: Jennifer D. Brettkauf

**INSTRUCTIONS**  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.



QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/17/95

REPORT NO.: 228

SKIES: Clear Pt. Cloudy RAIN: 0 IN. TEMP.: 78° MIN 98° MAX

DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (2.4) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Wrecked I-wall forms at west Monoliths #127 and #122. Cleaned oiled and set these forms at west Mono's #125 and #120. Placed concrete at West Monoliths #125 and #120 today. Formed up stabilization slab from west B Sta. 103+50 to Sta. 103+00 (not poured today). Demolished existing floodwall from west B Sta. 104+75 to Sta. 104+35. Burned holes in C2-101 sheet piles for rebar to pass through at west Mono. #118. Cleaned up old burlene blankets, wooden and metal scraps, etc. on the East and West Bank between Robert E. Lee Blvd. and Pump Sta. #4. Cement finisher completed land side patching and repairing on west Mono's #169 + #170. Surveyor set up offset lines and control elevations for I-wall, stabilization slab, and sheet pile work. Laborer cut grass + weeds on the East Bank between Robert E. Lee and Prentiss today.

Arcadia Rebar - Tied btm. reinforcing steel at west I-wall Monoliths #120 and #123. Set top steel mats at west Mono. #125 and #120. Also pre-tied one steel mat for future use.

Gill's Crane Service - Drove C2-101 sheet piles from East B Sta. 75+44.69 to Sta. 75+22.95 (12 pieces at 21'-9" long each piece). Also straightened some sheet piles that were not properly aligned from 8-10-95 (see Inspections Performed).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	44	B&K Const.	Wrecking and setting up I-wall forms;
10	Skilled	94	"	Forming stabl slab; pouring I-wall
1	Supt.	10	"	concrete; Demolishing existing floodwall;
1	Q.C.Rep.	10	"	Finishing concrete surfaces of I-wall;
				Cleaning up debris and cutting
				grass; Establishing o/s Lines + Grades.
				(see Locations Above)
3	Skilled	24	Arcadia Rebar	Tying re-steel for I-wall (see Above)
2	Skilled	16	Gill's Crane	Driving new C2-101 sheet piles
1	Unskilled	8	"	for I-wall (see Locations Above)

## EQUIPMENT

DESCRIPTION	R/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	7	3	—
Komatsu D37P Dozer	—	yes	2	8	—
Kubota 151 Excavator	—	yes	3	7	—
Case 580 Backhoe #1	—	yes	3	7	—
Koehring 535 Crane	—	yes	5	3	—
MKT Vibro Hammer	—	yes	5	3	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	6	4	—
KOMATSU EXC. 200 #2	—	yes	3	5	—
CASE 580 BACKHOE #2	—	yes	3	7	—
WELDING MACHINE	—	No	0	8	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	No	0	8	—

## MATERIALS RECEIVED

Received 34 cubic yards of concrete from Lafarge Conc. Co. today (mix #44-C). Placed 17 cu. yards of this material in West Monolith #125, and 17 cu. yards in West Mono. #120 today. Concrete delivery tickets were furnished to Inspector Zone Bryant, complete with all required batch information.

## TESTS PERFORMED

(As required by plans/specifications)

B+K Construction Company tested and inspected concrete delivered by Lafarge Conc. Co. today. Results of these tests are documented on the attached Concrete Field Data Summary sheet. No deficiencies in material quality were observed.

I checked alignment of C2-1 sheet piles driven since 8-09-95 on the East Bank. Three areas were found @ East Monoliths #21, #23, and #24 that must be corrected. Alignment of some of these sheet pile pairs was too far West (towards the Canal side). These pairs will be jacked over with a hydraulic portable -power jack, braced off against the existing floodwall, and will remain braced off until after stabilization slab has cured here. (The alignment is only  $\pm 0.10'$  out of tolerance) Gill's crane service will be responsible for correcting all crooked sheet pile pairs in this area prior to placement of stabilization slab concrete. Mr. Gill Audibert stated that his crew will take steps to prevent future problems with sheet pile alignment.

I set up offset lines (2.5' o/s to G of I-wall) #119 through #116 today. Lines were scribed into the concrete stabilization slab (on the land side), and painted to identify them. Carpenters set I-wall forms using these marks, and then plumb I-wall forms with plumb bobs at each end of each monolith. String-lines are then pulled on the top of the walls, and turnbuckles used to align wall tops.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked ground release shackles being used for sheet pile work today. These shackles were in good condition, and no defects or wear was observed upon my inspection. The release cables had to be replaced, and the shackles' working parts were lubricated at this time.

Also checked the canal water for any sign of oil or fuel spills. None were found (East or West Bank) and no other pollution was observed from the contractor's activities today.

REMARKS

(Instructions received, miscellaneous remarks)

Inspector Zane Bryant pointed out that the silt fence was in need of repair on the West Bank near Station 105+25. Supt. Mike Tassin said that this will be repaired by tomorrow afternoon.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.

Jerry M. Justice  
Authorized Q C Representative

8-18-95  
Date

B K CONSTRUCTION COMPANY, INC.  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 8-17-95

Pour Location West Monoliths #125 and #120

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
274251	11:55	12:55	3.0"o	10 gal	4.0"x	85° 92°	6.0	3	12:20	9
274286	1:03	1:51	3.0"o	10 gal	4.0"o	86° 96°	-	-	1:25	8
274317	2:19	3:10	2.75"o	10 gal	3.75"x	88° 96°	5.8	-	2:40	9
274341	3:44	4:38	3.0"o	10 gal	4.0"o	87° 96°	-	-	4:00	8

REMARKS: Test Cylinder Set # LA-73 .

NOTE: "x" = Actual Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN:  
Steve Thome



**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

179

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Wednesday  
16 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100%	EMBANKMENT 100%	CONCRETE 100 %	STRUCTURE 100 %
--------------------------------	---------------------------	--------------------	-------------------	--------------------

MINIMUM 77°	MAXIMUM 98°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-15 hrs	TOTAL 2-15 hrs	LABOR
-------------	--------	--------	------------------------	-------------------	-------

FEET 2.20'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-19 hrs	SKILLED 13-117 hrs	LABORERS 9-74 hrs	TOTAL 24-210	FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- b. Gill's Crane Service, Inc. - SELECTIVE DEMOLITION
- c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors buy letter in Table above)

- a) Wrecked forms from W. Monos #124 & #129; Set forms & placed concrete for W. Monos #122 & #127; Placed concrete for stab. slab between WB/L Sta's 103+95 & 104+85; Formed stab slab between WB/L Sta's 103+50 & 104+10; Curing; Rubbing P/S surfaces of W. Monos #168 & #169 and patched tie-rod holes in W. Monos #124 & #129; Removed existing concrete cap between WB/L Sta's 104+75 & 105+15;
- b) Hauled off all previously pulled existing sheet piles from the east levee, and relocated vibratory hammer and power pack to resume driving sheet piles.
- c) Set & tied resteel top and bottom resteel for W. Monos #122 & #127, and bottom resteel for W. Mono #125.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.  
Progressive work was scheduled and performed by B&K, Gill, and Arcadia this date. See attached CQC Report.

100% of days lost due to adverse weather on 01, 02, 03, 04 and 11 Aug 95.  
DATE SET FOR COMPLETION: 04 MAY 96  
PERCENT PROJECT COMPLETE: 36.4%  
PERCENT TIME ELAPSED: 58.2%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

- Attended the following CQC Inspection Phases this date:
- REINFORCED CONCRETE FLOODWALL: No instructions issued.
  - SELECTIVE DEMOLITION: No instructions issued.
  - RESTEEL INSTALLATION: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Visually inspected surfaces of W. Mono #124 & #129 after forms were removed, and noted no major surface defects. Performed Pre-Placement Inspections on W. Monos #122 & #127 prior to placement of concrete this date (see attached LMN Form 1246's). Witnessed sampling and testing of concrete being used (see attached Concrete Field Data Sheet for test results). Observed placement of concrete for W. Monos #122 & #127 this date. Noted that concrete was not allowed to drop more than 5', was being placed in lifts of less than 18", and is being well vibrated. Observed placement of concrete for the stabilization slab between WB/L Sta's 103+95 and 104+85, to a top elev. of +2.95'. Observed finisher rubbing P/S surfaces of W. Monos #168 & #169, and patching tie-rod holes in surfaces of W. Monos #124 & #129 with dry-pack mortar as required. Noted B&K cut 2½" holes in bottom of sheet piles, above the stab slabs for resteel installation in W. Monos #118, #119 & #121.

**RESTEEL INSTALLATION:** Checked and found that Arcadia has properly installed and tied all required resteel for the top and bottom sections of W. Monos #122 & #127, and the bottom section of W. Mono #125, in accordance with approved shop drawings.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR** (include names, reactions and remarks)  
NONE

**CONTROVERSIAL MATTERS IN DETAIL:**  
NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**  
NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).


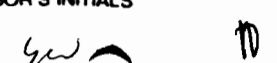
**REMARKS** (include visitors to project and miscellaneous remarks pertinent to work)

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	6 hrs.	QAR
J. AVETTANT	Cosnt. Insp., GS-04	7 hrs.	QAR

**SAFETY** (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken)

Checked and found that anti-flow back check valves were properly installed on the oxygen and acetylene gauges being used this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 22 AUG 95	SUPERVISOR'S INITIALS 	DATE 8/24/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 179

DATE Wed. - 16 Aug 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:  
(CONTINUED FROM ENG FORM 2538-2, DAILY LOG OF CONSTRUCTION)

SELECTIVE DEMOLITION: Observed B&K cutting off the existing sheet piles at approx. elev. +6.75' for temporary flood protection, and removing the existing concrete caps, between approx. WB/L Sta's 104+75 and 105+15. The concrete caps were placed on the F/S of the existing sheet piles and will be removed from site at a later date. Noted that subcontractor (Gill) removed all previously pulled sheet piles from jobsite this date, on the east levee, between EB/L Sta's 117+45 and 119+00.


QUALITY CONTROL: Contractor is providing adequate quality control this date.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE

  
ZANE B. BRYANT, JR.  
Inspector's Signature



FC CHECK OUT FOR

STRUCTURES

REINFORC

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

LIFT NO.

ELEVATION

DATE OF POUR

West # 122

ONE

from 3.00 to 14.40

8-16-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	8-16-95	2:15	Pa	8-16-95	1415
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmD	8-16	2:15	Pa	8-16-95	1415
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	8-16	2:20	Pa	8-16-95	1415
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmD	8-16	2:25	Pa	8-16-95	1425
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmD	8-16-95	2:25	Pa	8-16-95	1425		
CLEANLINESS	✓	"	"	✓	"	✓		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.86'	✓	"	"	✓	"	"		
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	JmD	8-16	2:25	Pa	8-16-95	1425		
G. SAFETY (LIST)	JmD	8-16	2:30	Pa	8-16-95	1430		
1. Ladder	✓	"	"	✓	"	"		
2. Scaffold	✓	"	"	✓	"	"		
3. Rigging check	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	JmD	8-16	2:30	—	—	—		
Exp. Material	NONE THIS HOUR	"	"	—	—	—		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1440	2				
Conc. Bucket	1	1.0 cu.	1440	2				
Conc. Vibrator	1	18' shaft	1440	2				
J. REMARKS	SLUMP = 3" ; AIR ENTR. = 5.8% ; CONCRETE TEMPS = 88° ;							
	AIR TEMPS = 97° ; 3 Test Cylinders (LA-72)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M Justice			C.O.E. REPRS: Jennifer D. Lottant				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

FORM CHECK OUT FOR  STRUCTURES  REINFORCING  CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 127 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 8-16-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	<i>JmJ</i>	8-16-95	11:50	<i>Pa</i>	8-16-95	11:50
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	<i>JmJ</i>	8-16	11:55	<i>Pa</i>	8-16-95	11:55
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	<i>JmJ</i>	8-16	11:55	<i>Pa</i>	8-16-95	11:55
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	<i>JmJ</i>	8-16	12:00	<i>Pa</i>	8-16-95	12:00
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	8-16	12:00	Pa	8-16-95	12:00		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.86'	✓	"	"	✓	"	"		
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	JmJ	8-16	12:05	Pa	8-16-95	12:05		
G. SAFETY (LIST)	JmJ	8-16	12:05	Pa	8-16-95	12:05		
1. Rigging	✓	"	"	✓	"	"		
2. Ladder	✓	"	"	✓	"	"		
3. Scaffold	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-16	12:10	—	—	—		
Exp. Material		"	"	—	—	—		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	12:25	1:45				
Concrete Bucket	1	1.0 c.y.	12:25	1:45				
Concrete Vibrator	1	18' shaft	12:25	1:45				
J. REMARKS	SLUMP = 3 1/4" ; AIR ENTR. = 6.2% ; CONCRETE TEMPS = 88° ;							
	AIR TEMPS = 97° ; 3 Test Cylinders (LA-72)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M Justice			C.O.E. REPRS: [Signature]				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								



QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/16/95

REPORT NO.: 227

SKIES: Clear

RAIN: 0

IN. TEMP.: 77° MIN 98° MAX

DUST: minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.2) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Wrecked west I-wall forms at Monoliths #129 and #124. Cleaned, oiled, and set forms at west Monoliths #127 and #122. Poured concrete at West Monoliths #127 and #122 today. Formed up stabilization slab from west B Sta. 104+10 to Sta. 103+50. Poured concrete in stabilization slab from west B Sta. 104+85 to Sta. 103+95 today. Burned holes in CZ-101 sheet piles for rebar at west Monoliths #121, #119, and #118. Demolished existing floodwall between west B Sta. 105+15 and Sta. 104+75. Cement finisher patched and repaired concrete I-wall surfaces at West Monoliths #168 and #169 (Land side only), and finished surfaces on 90' of seal slab. Second finisher patched tie-bolt holes, and finished I-wall tops poured today. Surveyor set o/s stakes for pile drivers (East B Sta. 75+00 → 73+00). Laborer cut grass + weeds on the West Bank (Pump Sta. #4 → Robert E. Lee). Arcadia Rebar - Tied re-steel at West I-wall Monoliths #127 and #122; top and bottom steel. Also tied bottom steel at West Mono. #125. Pre-tied one more re-steel mat for future placement.

Gill's Crane Service - Loaded up and hauled off the RZ-10 sheet piles that were previously pulled on the East Bank (Sta. 119+00 → Sta. 117+45). Moved the Vibratory Hammer back to Thirabeau (East Bank) to resume driving CZ-101 sheets tomorrow.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	60	B+K Const.	Wrecking + setting forms; Placing
10	SKilled	92	"	concrete for I-wall and stab. slab;
1	Supt.	9	"	Demolishing existing floodwall;
1	QC, Rep	10	"	Patching + rubbing concrete surfaces;
				Trimming grass + weeds; Establishing & offsets. (see locations Above)
2	SKilled	18	Arcadia Rebar	Tying reinforcing steel for I-Wall. (see locations Above)
1	SKilled	7	Gill's Crane	Hauling pulled RZ-10 piles off
2	Unskilled	14	"	the jobsite. (see Above)

## EQUIPMENT

DESCRIPTION	R/DEP	SAFETY CHECK	HRS U	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	4	—
Komatsu D37P Dozer	—	yes	2	4	—
Kubota 151 Excavator	—	yes	5	5	—
Case 580 Backhoe #1	—	yes	4	6	—
Koehring 535 Crane	—	yes	1	7	—
MKT Vibro Hammer	—	No	0	8	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	6	4	—
KOMATSU EXC. 200 #2	—	No	0	8	—
Case 580 BACKHOE #2	—	yes	3	7	—
WELDING MACHINE	—	NO	0	8	—
KOEHRING 535 CRANE	—	NO	0	8	—
KOEHRING 405 CRANE	—	yes	6	2	—

## MATERIALS RECEIVED

Received 8 cubic yards of Concrete (Mix #44-c) from Lafarge Conc. Co., and placed this material in stabilization slab (West of 104+85 to 103+95). Received 34 cubic yards more of the same mix from Lafarge later today. Placed half of this material in West I-Wall Monolith #121 and half in West Monolith #122 today.

## TESTS PERFORMED

(As required by plans/specifications)

B+K Construction performed concrete testing and inspection on concrete material delivered by Lafarge Concrete Company. Results of these tests and inspections are documented on the Concrete Field Data Summary Sheet attached to this report.

## INSPECTIONS PERFORMED

Inspected the demolition of the existing concrete floodwall cap today. The existing sheet piles were torch cut at elevation  $+6.75$ . Then the Komatsu 200 was used to push the concrete cap and embedded portion of existing sheet piles over to fall on the Canal side in 40' sections. These sections will be broken into manageable sections and hauled off the jobsite at a later date.

Also inspected the stabilization slab work performed today. The laser level was used to grade the excavation to a bottom elev. of  $+2.60$ . Then 2x4 forms were set to a top of slab elev. of  $+2.95$ . Depth was checked and found to be a consistent 4" to 4 1/2" thick. Width of the slab was 5'; approx. 2'-8" from  $\odot$  to the Land side and 2'-4" from  $\odot$  to the Canal side.

Checked I-wall forms before concrete placement started today, as always. Forms were in fair condition, and were clean and sprayed with form release agent. Alignment, plumbness, and top elevation were checked, and found to be correct.

## JOB SAFETY

(Note inspection, violations/actions taken)

Laborers cleaned up lunch trash and debris along Pratt Drive at lunch areas. No litter was left behind after lunch was over.

checked the Rigging on concrete bucket again today. Only minimal wear was observed on the wire rope slings. Shackles were in good condition.

## REMARKS

(Instructions received, miscellaneous remarks)

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice

Authorized Q C Representative

8-17-95

Date

B K CONSTRUCTION COMPANY, INC.  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 8-16-95

Pour Location West Monoliths #127 and #122; and  
stabilization slab west of 104+85 to 103+95

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
274024	12:00	1:05	2" o	15 gal.	4" o	89° 97°	-	-	12:30	9
274039	1:15	2:10	1.5" o	15 gal.	3.25" x	88° 97°	6.2	3	1:30	8
274058	2:28	3:20	2.0" o	10 gal.	3.0" x	88° 97°	5.8	-	3:10	9
274067	3:10	4:25	2.0" o	20 gal.	4.0" o	89° 97°	-	-	3:35	8
273946	8:35	10:09	2.5" o	15 gal.	4.0" o	85° 89°	-	-	8:50	8

REMARKS: Test Cylinder set # LA-72.

NOTE: "x" = Actual Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN: Steve Thorne

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL**  
(ER 415-1-302)

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

178

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Tuesday  
15 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 77°	MAXIMUM 97°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.00"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-17 hrs	TOTAL 2-17 hrs	LABOR
-------------	--------	--------	------------------------	-------------------	-------

FEET 2.20'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-20 hrs	SKILLED 12-113 hrs	LABORERS 8-74 hrs	TOTAL 22-207	FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; SELECTIVE DEMOLITION; STRUCTURAL EXCAVATION
- b. Gill's Crane Service, Inc. - SELECTIVE DEMOLITION
- c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

- a) Wrecked forms from W. Monos #126 & #131; Set forms & placed concrete for W. Monos #124 & #129; Formed slab, WB/L Sta's 104+10 to 104+85; Removed existing concrete cap, WB/L Sta's 105+15 to 105+55; Excavated for I-Wall, EB/L Sta's 73+00 to 74+00; Curing.
- b) Removed existing RZ-10 piles from between EB/L Sta's 117+45 & 118+40.
- c) Set bottom resteel for W. Monos #124 & #129, and top resteel for W. Mono #129.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04, & 11 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K, Gill, and Arcadia this date. See attached CQC Report for details.

\*Corrected due to change in calculation method.

PERCENT PROJECT COMPLETE: \*36.2%

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT TIME ELAPSED: 58.1%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

STRUCTURAL EXCAVATION: No instructions issued.

SELECTIVE DEMOLITION: No instructions issued.

RESTEEL INSTALLATION: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS CQC ACTIVITIES**

The following CQC Inspection Phases were performed this date:

REINFORCED CONCRETE FLOODWALL: Checked surfaces of W. Monos #126. & #131 after forms were removed, and noted no major surface defects. Performed per-Placement Inspections on W. Monos #124 & #129 prior to placement of concrete this date (see attached LMN Form 1246's). Observed placement of concrete for W. Monos #124 & #129 this date, noted that concrete is not being allowed to drop more than 5', is being placed in lifts of less than 18", and is being well vibrated. Witnessed sampling and testing of concrete being used by B&K this date (see attached Concrete Field Data Sheet for test results). Noted that B&K cut 2½" holes in sheet piles approx. 2½" above the stab slab, for W. Monos #120, #122 & #123 for the installation of the bottom resteel. Observed finishers rubbing and patching on P/S of W. Monos #165, #166 & #167. Checked and found wet burlene blankets being used for curing on W. Monos #126, #128, #130, #131, #132, #133 & #135, and tops of W. Monos #124 & #129 were covered with wet burlene strips as required. Checked and found top elev's of forms set for stabilization slabs between WB/L Sta's 104+10 & 104+50, to be at approx. elev. +2.95', and area inside of forms to be graded to accept +4.00" of concrete.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (Include names, reactions and remarks)**

QAR, Z. Bryant instructed CQC Rep's M. Tassin and J. Justice that they are not to park any vehicles or equipment on shoulders of the roads along Mirabeau Avenue, due to complaints from local residents, and because this area is not within the project right-of-way. Messrs. Tassin and Justice agreed to concur and will inform all personnel on jobsite.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

NONE



Contractor's Quality Control Report (submitted/~~XXXXXX~~) for this (date/~~XXXXXX~~).

**REMARKS (Include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
Z. BRYANT	Const. Insp., GS-07	8 hrs.		QAR
J. AVETTANT	Const. Insp., GS-04	7 hrs.		QAR

**SAFETY: (Include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Checked and found back-up alarms working properly on both Case 580 loader/backhoes this date. No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 22 Aug 95	SUPERVISOR'S INITIALS 	DATE 8/25/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 178

DATE Tue. - 15 Aug 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:  
(CONTINUED FROM ENG FORM 2538-2, DAILY LOG OF CONSTRUCTION)

SELECTIVE DEMOLITION: Observed B&K cutting off the existing sheet piles at approx. elev. +6.75', and removing the existing concrete caps between WB/L Sta's 105+15 and 105+55. The existing concrete caps was placed on the F/S of the existing sheet piles, and will be removed from site at a later date. Observed Gill removing the existing RZ-10 sheet piles from the existing levee between EB/L Sta's 117+45 and 118+40.

STRUCTURAL EXCAVATION: Observed B&K performing structural excavation between EB/L Sta's 73+00 and 74+00, in the existing levee crown on the P/S of the existing sheet piles, down to an approx. elev. of +2.60'. Excavated material was used to widen the existing levee crown for access.

RESTEEL INSTALLATION: Checked installation of resteel of the bottom and top sections of W. Monos #124 & #129 this date. Noted that all resteel was properly set and tied at 100%, in accordance with approved shop drawings.

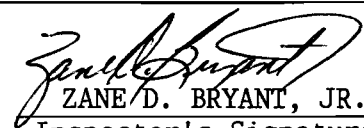
QUALITY CONTROL: Contractor is providing adequate quality control this date.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE

  
ZANE D. BRYANT, JR.  
Inspector's Signature







FC CHECK OUT FOR

STRUCTURES  
 REINFORC

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH West # 129

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 8-15-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	8-15-95	11:30	Pa	8-15-95	11:30
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmg	8-15	11:30	Pa	8-15-95	11:30
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	8-15	11:35	Pa	8-15-95	11:35
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	Jmg	8-15	11:40	Pa	8-15-95	11:40
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmd	8-15	11:40	Ja	8-15-95	1140		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.85'	✓	"	"	✓	"	"		
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	Jmd	8-15	11:45	Ja	8-15-95	1145		
G. SAFETY (LIST)	Jmd	8-15	11:45	Ja	8-15-95	1145		
1. Eye Protection	✓	"	"	✓	"	"		
2. Rigging	✓	"	"	✓	"	"		
3. Ladder + Scaffold	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	8-15-95	11:45	—	—	—		
Expansion Material		"	"	—	—	—		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator						
Concrete Bucket	1	1.0 Cy.						
Concrete Vibrator	1	18' shaft						
J. REMARKS	SLUMP = 4 1/2" ; AIR ENTR. = 5.6% ; CONCRETE TEMPS = 88° ;							
	AIR TEMPS = 97° ; 3 Test Cylinders (LA-71)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice			C.O.E. REPRS: Jennifer D. Overhall				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

FOR CHECK OUT FOR  STRUCTURES  REINFORC CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH West 124 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 8-15-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	8-15	3:00	ZAB	8-15-95	1500
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	8-15	3:00	ZAB	8-15-95	1500
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	8-15	3:05	ZAB	8-15-95	1500
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED "	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	8-15	3:05	ZAB	8-15-95	1505
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	8-15	3:05	ZAB	8-15-95	1505
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.87'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	8-15	3:10	ZAB	8-15-95	1510
G. SAFETY (LIST)	JmJ	8-15	3:10	ZAB	8-15-95	1510
1. Scaffold	✓	"	"	✓	✓	✓
2. Ladder	✓	"	"	✓	✓	✓
3. Rigging	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-15	3:15	—	—	—
Exp. Material	None This Pour	"	"			

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	3:30	2				
Concrete Bucket	1	1.0 cy	"	2				
Concrete Vibrator	1	18' shaft	"	2				

J. REMARKS SLUMP = 3 1/2" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 88° ;  
 AIR TEMPS = 97° ; 3 Test Cylinders (LA-71)

FINAL CLEARANCE  
 CONTRACTOR REPRS: Jerry M. Justice C.O.E. REPRS: ZAB

INSTRUCTIONS  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/15/95

REPORT NO.: 226

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 77° MIN 97° MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.2) NOISE: Moderate

WORK PERFORMED/LOCATION

- ① B&K Construction - Wrecked I-wall forms at west Monoliths #131 and #126 today. Cleaned, oiled, and set these forms at west monoliths #129 and #124, then placed concrete at west Mono's #129 and #124 today. Formed stabilization slab from west B Sta. 104+85 to Sta. 104+10 (not poured today). Demolished existing concrete floodwall from west B Sta. 105+55 to Sta 105+15. Burned holes in C2-101 sheet piles for rebar at West Monoliths #123, #122, and #120. B&K Construction personnel had to set top steel at West Mono. #124 today, as Arcadia Rebar people left before 1:00 PM. Cement finisher completed patching and repairing west Mono's #165, #166, and #167 (Land Side only). Laborer trimmed grass + weeds on the East Bank between Pump Sta. #4 and Robert E. Lee Blvd. Performed structural excavation on the East Bank from Sta. 74+00 to Sta. 73+00.
- ② Arcadia Rebar - Tied bottom reinforcing steel at West I-wall Monoliths #129 and #124. Set top steel mat at West Mono. #129. Pre-tied 2 more mats for future I-wall stems.
- ③ Gill's Crane Service - Pulled up existing R2-10 sheet piles from East B Sta. 118+40 to Sta. 117+45. These sheets will be hauled off tomorrow.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	52	B&K Construction	Wrecking + setting I-wall forms
7	Skilled	76	"	Forming stab. slab; Placing I-wall
1	Supt.	10.5	"	Concrete; Demolition of existing
1	QC. Rep.	9.5	"	floodwall; Finishing I-wall concrete;
				Cutting grass + weeds; Establishing
				offset lines for I-wall (See Above)
3	Skilled	21	Arcadia Rebar	Tying reinforcing steel for I-wall
				(See Locations Above)
2	Skilled	16	Gill's Crane	Pulling R2-10 sheet piles
3	Unskilled	22	"	(See Above)

## EQUIPMENT

DESCRIPTION	HR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	4	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	yes	2	8	—
Case 580 Backhoe #1	—	yes	2	8	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	yes	6	2	—
Fiat-Allis MotorGrader	—	yes	1	7	—
Mantis 3612 Crane	—	yes	6	4	—
KOMATSU EXC. 200 #2	—	yes	2	6	—
Case 580 BACKHOE #2	—	yes	2	6	—
WELDING MACHINE	—	No	0	8	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	yes	6	2	—

## MATERIALS RECEIVED

Received 34 cubic yards of concrete (mix #44-C) from Lafarge Conc. Co. today. Placed half of this material in West Mono. #129, and half in West Mono. #124.

## TESTS PERFORMED

(As required by plans/specifications)

B&K Construction performed concrete tests and inspections on mix #44-C delivered by Lafarge today. Results of these tests are documented on the Concrete Field Data Summary sheet attached to this report. No problems were observed with slump, Air Content, Temperature, or any other aspect of the ready-mix concrete.

Delta Testing performed vibration monitoring adjacent to the sheet pile pulling work today, on the East Bank at ± station 118+00. Results are being furnished only to the Orleans Levee Board.



I inspected the structural excavation being performed on the East Bank between Station 74+00 and 73+00. The bottom elevation was +2.60, controlled by measuring down 4'-2" from the control marks set on the existing floodwall by surveyors. The width of the trench was approx. 6' wide (3.5' to 4' from  $\mathcal{C}$  to the Canal Side, and 2' from  $\mathcal{C}$  to the Land Side). The Land Side edge will have to be re-excavated after sheets are driven, and before stabilization slab can be poured. The material from this excavation appeared suitable for structural backfill and/or embankment work. The soil was placed on the Land side of the trench, and used to widen temporary access road. A small amount of material was placed along the Canal side of the existing floodwall.

Inspected the Reinforced Concrete Floodwall work done today. Alignment and plumbness of wall forms was checked, and brought into tolerance with turnbuckles prior to placing concrete. Forms were checked and aligned again after placement was complete. LMN Form #1246 Checklist was completed before placement began today.

## JOB SAFETY

(Note inspection, violations/actions taken)

I inspected the scaffolds and ladders on the T-wall forms today. Handrails, midrails, and toe-boards were in place and in good condition, walkboards were also in place, nailed down to prevent movement, and in fair condition. Ladders were in good condition, and were tied off at the top to prevent movement. The bottom of ladders were placed on firm, level ground.

## REMARKS

(Instructions received, miscellaneous remarks)

Insp. Zone Bryant instructed us not to park on the shoulder of the Road at Mirabeau Avenue (West Side) due to complaints from the resident there.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

*Jerry M Justice*

Authorized Q C Representative

8-16-95

Date



BANK CONSTRUCTION COMPANY, INC.  
LONDON, AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 8-15-95

Pour Location West Monoliths #129 and #124

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
213768	12:20	1:10	2'2" o	15 gal.	4" o	87° 96°	—	—	12:35	9
213794	1:05	2:04	3.0" o	10 gal.	4.5" x	88° 97°	5.6	3	1:30	8
213856	3:15	4:30	2.0" o	15 gal.	3.5" x	88° 97°	5.2	—	3:45	9
213870	4:25	5:42	2.0" o	20 gal.	4.0" x	87° 96°	—	—	4:35	8

REMARKS: Test Cylinder Set # LA-71 .

NOTE: "x" = Actual Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN: Steve Home

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
177

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Sat., Sun. & Mon.  
12, 13 & 14 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
100%	100%	100%	100%	100%

TEMPERATURE	
MINIMUM	MAXIMUM
76°	95°

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES	ENDING
0.00"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			2-16 hrs	2-16 hrs	

FEET	TIME
2.20'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-20 hrs	9-80 hrs	6-59 hrs	17-159

NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
---------------------------------------	----------------------------	----------------------------

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. Arcadia Rebar, Inc. - No Work this date.

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

- a) Set forms & placed concrete for W. Mono #131; Wrecked forms from W. Mono #133; Placed slab between WB/L Sta's 104+85 & 105+80; Removed existing concrete cap between WB/L Sta's 105+55 & 105+95; Rubbed P/S surfaces of W. Monos #161 thru #164.
- b) Removed existing RZ-10 sheet piles from between EB/L Sta's 118+40 & 119+00.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04 & 11 Aug 95.

Information on progress of work, causes for delays and extent of delays. Plant, material, etc.

Progressive work was scheduled and performed by B&K and Gill on Mon., 14 Aug 95. No work scheduled or performed on 12 & 13 Aug 95.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 36.3%  
PERCENT TIME ELAPSED: 57.9%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- SELECTIVE DEMOLITION: No instructions issued.
- STEEL SHEET PILES: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QOC ACTIVITIES**

The following Follow-Up QA Inspections were performed on Mon., 14 Aug 95:

**REINFORCED CONCRETE FLOODWALL:** Checked surfaces of W. Mono #133 after forms were removed and noted no major surface defects. Observed B&K setting forms & resteel for W. Mono #131 this date. Observed placement of concrete for W. Mono #131 this date. Noted that concrete was not being allowed to drop more than 5', was being placed in lifts of less than 18", and is being well vibrated. Witnessed sampling and testing of concrete being used this date (see attached Concrete Field Data Sheet for test results). Performed a Pre-Placement Inspection on W. Mono #131 prior to placing concrete (see attached LMN Form 1246). Checked formed area for stabilization slabs between WB/L Sta's 104+50 & 105+80, and found top of forms to be set at approx. elev. +2.95', and found it to be graded to accept +4.00" of concrete as required. Observed the placement of concrete for stabilization slabs between WB/L Sta's 104+85 & 105+80. Observed finishers rubbing P/S surfaces only on W. Monos #161 thru #164.

**SELECTIVE DEMOLITION:** Noted that B&K removed the existing concrete cap from between WB/L Sta's 105+55 & 105+95. Placed existing cap on F/S of existing sheet piles. Observed Gill removing existing RZ-10 sheet piles from between EB/L Sta's 118+40 & 119+00.

**QUALITY CONTROL:** Contractor is providing adequate quality control this date.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**

NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (~~date~~ period).



**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	7 hrs. (Mon)	QAR
J. AVETTANT	Cosnt. Insp., GS-04	7 hrs. (Mon)	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken)**

Observed all personnel placing concrete of finishing concrete to be wearing rubber gloves, hard hats, and safety glasses.

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 21 AUG 95	SUPERVISOR'S INITIALS 	DATE 8/25/95
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FORM CHECK OUT FOR

STRUCTURES  
 REINFORC

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH West # 131

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 8-14-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	8-14-95	11:30	ZAB	8-14-95	1145
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmD	8-14	11:30	ZAB	8-14-95	1145
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	8-14	11:35	ZAB	8-14-95	1145
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	8-14	11:40	ZAB	8-14-95	1150
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmd	8-14	11:40	ZB	8-14-95	1150
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.85'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmd	8-14	11:40	ZB	8-14-95	1155
G. SAFETY (LIST)	Jmd	8-14	11:45	ZB	8-14-95	1155
1. Ladder	✓	"	"	✓	✓	✓
2. Scaffold	✓	"	"	✓	✓	✓
3. Rigging	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	8-14	11:45	ZB	8-14-95	1155
Exp. Material	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1230	2				
Concrete Bucket	1	1.0 c.y.	1230	2				
Concrete Vibrator	1	18' shaft	1230	2				

J. REMARKS  
 SLUMP = 3.5" x 4"; AIR ENTR. = 5.2% + 5.6% CONCRETE TEMPS = 86° + 85°  
 AIR TEMPS = 92° + 93°; 3 Test Cylinders (LA-70)

FINAL CLEARANCE  
 CONTRACTOR REPRS: *Jerry M. Justice* C.O.E. REPRS: *Zarell Bryant*

**INSTRUCTIONS**  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/14/95

REPORT NO.: 225

SKIES:

RAIN:

IN. TEMP.: 76° MIN 95° MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.2) NOISE: Moderate

WORK PERFORMED/LOCATION

8-12-95 Saturday - NO WORK PERFORMED

8-13-95 Sunday - NO WORK PERFORMED

8-14-95 Monday - B&K Construction - Wrecked West I-wall Monolith #133, cleaned, oiled, and set these forms at West I-wall Monolith #131. (B&K Const. had to set top steel mat, due to the absence of Arcadia Rebar, at West Mono. #131) Poured concrete at West Mono. #131 today. Formed and poured stabilization slab from West B Sta. 105+80 to Sta. 104+85. Demolished existing floodwall from West B Sta. 105+95 to Sta. 105+55. Burned holes in CZ-101 sheet piles for rebar to pass through at West Monoliths #127 and #125. Cement Finisher patched + rubbed I-wall concrete at West Monoliths #161, #162, #163, #164. Moved CZ-101 sheet piles into position for pile driving crew at East B Sta. 74+50.

Gill's Crane Service - Pulled existing RZ-10 sheet piling at East B Sta. 119+00 to Sta. 118+40. These will be removed from the jobsite by truck and salvaged. (No driving of CZ-101 sheets was done today).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	52	B&K Const.	Wrecking + setting I-wall forms;
7	Skilled	66	"	Pouring I-wall and stabilization slab
1	Supt.	10.5	"	concrete; Demolishing exist. floodwall;
1	Q.C. Rep.	9.5	"	Finishing concrete surfaces; Inventorying and moving CZ-101 sheet piles.
(see Locations Above)				
2	Skilled	14	Gill's Crane Service	Pulling up existing RZ-10 sheet
1	Unskilled	7	"	piles on the East Bank
(see Location Above)				
0	men	0	Arcadia Rebar	No Show



## EQUIPMENT

DESCRIPTION	R/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	4	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	yes	8	0	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	6	4	—
KOMATSU EXC. 200 #2	—	No	0	8	—
Case 580 BACKHOE #2	—	yes	3	5	—
WELDING MACHINE	—	No	0	8	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	yes	8	0	—

## MATERIALS RECEIVED

Received 17 cubic yards of concrete (Mix # 44-C) from Lafarge Conc. Co. and placed this material in West I-wall monolith #131 today. Also received 8 cubic yards of concrete (same mix) from Lafarge, and placed this material in stabilization slab between West G Sta. 105+80 and Sta. 104+85.

## TESTS PERFORMED

(As required by plans/specifications)

B&K Construction performed tests and inspections on concrete delivered by Lafarge today. Find results of these tests attached to this report on the Concrete Field Data Summary Sheet. \*Air Entrainment Testing meter was checked today, and found to be correctly calibrated, within 0.1%.

Delta Testing technician performed vibration monitoring on the East Bank today, adjacent to sheet pile pulling operations. (Approx. station 118+00) Results furnished only to the Orleans Levee Board.

Inspected the quality of workmanship being done on finishing of I-wall concrete surfaces - West Bank Monoliths #161 through #164. The fractured fin area was patched and repaired on these monoliths. All defective areas were patched, filled, rubbed, etc., to leave a smooth class 'A' finish. Project Inspector Zone Bryant said that the work we inspected today was acceptable, however the Flood Side has not been touched as of yet. BTK Const. plans to hire more help to speed up this part of the work.

Inspected the removal of existing R2-10 from the West Bank levee crown (+ station 118+50). No voids were evident after sheets were pulled out of the ground. The new concrete I-Wall did not appear to have suffered any damage or subsidence due to this pulling work. Delta Testing reported no major vibrations in conjunction with this sheet pile pulling work.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked Rigging on Concrete bucket, sheet pile shackles, and 4-way sorting hook spreaders. No sign of excessive wear or defects were noted.

Checked diesel equipment for any excessive exhaust noise or fumes. No defective exhaust components were found.

## REMARKS

(Instructions received, miscellaneous remarks)

Due to the absence of Arcadia Rebar personnel today, BTK Construction's productivity was cut in half on the Reinforced Concrete Floodwall item. Only one I-wall monolith could be poured, instead of the usual quota of two.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.



Authorized Q C Representative

8-15-95

Date

B K CONSTRUCTION COMPANY, I  
 LONDON AVENUE CANAL FLOODWALL PROJECT  
 CONCRETE FIELD DATA SUMMARY

DATE: 8-14-95

Pour Location West Monolith # 131, and Stabilization Slab  
West Bank Sta. 105+80 to Sta. 104+85

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used # 44-C Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
273559	12:19	1:20	2.5 <sup>o</sup>	10gal.	3.5 <sup>x</sup>	86 <sup>o</sup> 92 <sup>o</sup>	5.2	3	1:10	9
273573	1:30	2:22	3.0 <sup>o</sup>	10gal.	4.0 <sup>x</sup>	85 <sup>o</sup> 93 <sup>o</sup>	5.6	-	1:45	8
273605	4:07	5:15	2.5 <sup>o</sup>	15gal.	4.0 <sup>o</sup>	86 <sup>o</sup> 93 <sup>o</sup>	-	-	4:25	8

REMARKS: Test Cylinder Set # LA-70 .

NOTE: "x" = Actual Slump Determination  
 "o" = Visual Slump Determination

TECHNICIAN:  
Steve Thome

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL**  
(ER 415-1-302)

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

176

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Friday  
11 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Cloudy with Rain

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION 0 %	BORROW EXCAVATION 0 %	EMBANKMENT 0 %	CONCRETE 0 %	STRUCTURE 0 %
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TEMPERATURE	
MINIMUM 74°	MAXIMUM 90°

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.75"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			2-15 hrs	2-15 hrs	

FEET	TIME
2.30'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-10 hrs	12-31 hrs	5-8 hrs	19-49 hrs

NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1		<input type="checkbox"/> 2		<input type="checkbox"/> 3	
FROM	TO	FROM	TO	FROM	TO
0700 M	1100 M	M	M	M	M

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (OCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - No Progressive work performed this date.
- b. \_\_\_\_\_
- c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

No progressive work performed this date, due to incimate weather. Heavy rainfall at approx. 0700 hrs. this date, prevented any work from being performed due to very wet ground conditions

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03, 04 & 11 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

No progressive work performed this date, due to adverse weather conditions.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 36.2%

PERCENT TIME ELAPSED: 57.4%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

No CQC Inspection Phases were attended this date, due to no work being performed by any of the contractors.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

No QA Inspections were performed this date, due to no work being performed by any of the contractors, due to early morning rains. Did make a visual inspection and found all access road gates closed and secured throughout the project.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**

NONE



Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS. (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	7 hrs.	QAR
J. AVETTANT	Const. insp., GS-04	6 hrs.	QAR

**SAFETY: (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

All safety fence gates were closed and secured.  
No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 15 AUG 95	SUPERVISOR'S INITIALS  TP	DATE 8/21/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/11/95

REPORT NO.: 224

SKIES: Cloudy - Rain

RAIN: 0.75 IN. TEMP.: 74 MIN 90 MAX

DUST: None

LEVEE CONDITION: Wet CANAL GAUGE: (2.3) NOISE: None

WORK PERFORMED/LOCATION

B+K Construction - Heavy rain shower at 7:00 AM stopped any productive work, as the levee was too wet for trucks or equipment. Carpenters broke bond on I-wall forms poured yesterday, but did not remove forms from concrete wall. Re-covered wall tops with burlene and wet them down. No other work performed due to wet soil on the levee.

Arcadia Rebar - Tied bottom reinforcing steel at West Monolith #131, and pre-tied one mat to be placed at future I-wall stems.

Gill's Crane Service - No work performed - Too wet on the levee.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
4	Unskilled	7	B+K Const.	Rain out at 9:00 AM -
7	Skilled	20	"	Too wet for trucks or equipment
1	Supt.	4	"	on the levee crown.
1	Q.C. Rep.	6	"	
3	Skilled	9	Arcadia Rebar	Tying re-steel for I-wall (see Above)
2	Skilled	2	Gill's Crane	Rained out - 8:00 AM
1	Unskilled	1	"	

EQUIPMENT

DESCRIPTION	HR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	Yes	1	7	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	No	0	8	—
Case 580 Backhoe	—	No	0	8	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	Yes	1	7	—
KOMATSU EXC. 200 #2	—	No	0	8	—
CASE 580 BACKHOE #2	—	No	0	8	—
WELDING MACHINE	—	No	0	8	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	No	0	8	—

MATERIALS RECEIVED

NONE RECEIVED TODAY

TESTS PERFORMED

(As required by plans/specifications)

NONE PERFORMED TODAY



## INSPECTIONS PERFORMED

Inspected the silt fencing along the West Bank from Sta. 119 + 60 to Sta. 102 + 00. Geotextile material was tied to hog wire fencing throughout this reach of levee. Fence posts were braced off to prevent fence failure. Levee soil did not run over the top of geotextile at any point. No gaps, breaks, or tears were observed in silt fence erosion control.

Checked safety fence and gates. Gates were closed and locked at the day's end. Keep out signs were posted at swing gate entrances to the jobsite. Hog wire fence was intact throughout the length of the job, both on the East Bank + West Bank.

## JOB SAFETY

(Note inspection, violations/actions taken)

Held a safety meeting at 7:00 AM today. Discussed training of new employees, to alert them of possible dangers on the jobsite. Find minutes attached to this report.

Equipment was secured for the weekend; blades + buckets were lowered, cranes were boomed down, and equipment was locked to keep vandals out.

## REMARKS

(Instructions received, miscellaneous remarks)

We are requesting 100% of Production Lost today, due to wet soil on the Levee and Temporary Access Roads.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice

Authorized Q C Representative

8-14-95

Date

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

175

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Thursday  
10 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 76°	MAXIMUM 95°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
1-1 hr.			1-8 hrs	2-9 hrs	

FEET	TIME
2.40'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1  2  3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
2-18 hrs	12-107 hrs	6-55 hrs	20-180	0700 M	1630 M	M	M	M	M

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; STRUCT. EXCAVATION; SELECTIVE DEMOLITION
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above.)

- a) Wrecked forms from W. Monos #128, #130 & #135; Set forms & placed concrete for W. Monos #126 & #133; Excavated for I-Walls between EB/L Sta's 74+00 & 75+00; Removed existing concrete caps between WB/L Sta's 105+95 & 106+80; Rubbed W. Monos #162 & #163.
- b) Drove 26 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 75+44.60 & 75+91.50.
- c) Set & Tied bottom resteel for W. Mono #126, and top resteel for W. Monos #126 & #133.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03 & 04 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K, Gill, and Arcadia this date. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 36.2%

PERCENT TIME ELAPSED: 57.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

STRUCTURAL EXCAVATION: No instructions issued.

SELECTIVE DEMOLITION: No instructions issued.

RESTEEL INSTALLATION: No instructions issued.

STEEL SHEET PILES: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Checked surfaces of W. Monos #128, #130 & #135 after forms were removed, and noted no major surface defects. Observed the setting of forms for W. Monos #126 & #133. Performed Pre-Placement Inspections on W. Monos #126 & #133 prior to placing concrete (see attached LMN Form 1246's). Observed placement of concrete for W. Monos #126 & #133. Noted that concrete was not being allowed to drop more than 5', was placed in lifts of less than 18", and was well vibrated (spare vibrator on hand). Witnessed the sampling and testing of concrete by B&K this date (see attached Concrete Field Data Report for test results). Observed finishers rubbing & patching on P/S of W. Monos #162 & #163. Finishing is being performed satisfactorily. Checked and found top elev. of forms set for stab slab between WB/L Sta's 105+00 & 105+50, to be at elev. +2.95'. Noted that area inside of forms for stab slab between WB/L Sta's 105+00 & 105+50 to be graded to accept +4.0" of concrete as required.

**RESTEEL INSTALLATION:** Checked and found that subcontr. had properly installed all required resteel for the bottom & top sections of W. Monos #126 & #133 this date, in accordance with approved shop drawings. (CONTINUED ON ATTACHED QA SUPPLEMENT SHEET)

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**

NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
C. WAGNER	Civ. Engr., GS-11	1 hr.	PE
J. AVETTANT	Const. Insp., GS-07	7 hrs.	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Contractor held Weekly Safety Meeting on site this date. See attached minutes.  
 Noted all personnel wearing hard hats & safety boots this date.  
 No safety infractions were noted this date.

INSPECTOR'S SIGNATURE <i>Jennifer Avettant</i>	DATE 15 AUG 95	SUPERVISOR'S INITIALS <i>WV</i>	DATE 8/18/95
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9.1

QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 175

DATE Thu. - 10 Aug 95

**QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:**  
(CONTINUED FROM ENG FORM 2538-2, DAILY LOG OF CONSTRUCTION)

STRUCTURAL EXCAVATION: Noted that B&K has performed structural excavation on the existing levee crown, to a bottom elev. of approx. 2.60', between EB/L Sta's 74+00 and 75+00, beginning on the P/S of the existing sheet piles and proceeding toward the P/S for approx. 6'. Excavated material was used to widen the existing levee crown for access.

SELECTIVE DEMOLITION: Noted that B&K has removed the existing concrete cap from between WB/L Sta's 105+95 and 106+80, by cutting off the existing sheet piles at approx. elev. +6.75', and allowing the concrete cap to be placed on the F/S of the existing sheet piles.

STEEL SHEET PILES: Observed subcontr. (Gill) stabbing and driving 26 pcs of CZ-101 X 21'-9" piles between approx. EB/L Sta's 75+44.60 and 75+91.50, to a top elev. of +5.75', except for the 4 piles at each proposed monolith joint where these piles were driven to a top elev. of +5.00' as required. Spot checked and found that all piles were being driven plumb and on proper alignment.


QUALITY CONTROL: Contractor is providing adequate quality control this date.

**VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:**

NONE

**REMARKS:**

NONE

  
JENNIFER AVETTANT  
Inspector's Signature



FO CHECK OUT FOR

STRUCTURES

REINFORC.

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH West # 133

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 8-10-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	8-10-95	11:50	JA	8-10-95	11:50
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmD	8-10	11:55	JA	8-10-95	11:50
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	8-10	11:55	JA	8-10-95	11:55
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmD	8-10	12:00	JA	8-10-95	12:00
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	8-10-95	12:00	DA	8-10-95	12:00
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.85'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	JmJ	8-10	12:05	DA	"	"
G. SAFETY (LIST)	JmJ	8-10	12:05	DA	"	12:05
1. Ladder	✓	"	"	✓	"	"
2. Scaffold	✓	"	"	✓	"	"
3. Eye Protection	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-10	12:05	-	-	-
Exp. Material	✓	"	"	-	-	-

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	12:20	1 1/2				
Concrete Bucket	1	1.0 cu.	"	1 1/2				
Concrete Vibrator	1	18' whip	"	1 1/2				

J. REMARKS SLUMP = 3 3/4" ; AIR ENTR. = 5.8% ; CONCRETE TEMPS = 88° ;  
 AIR TEMPS = 87° ; 3 Test Cylinders (LA-69)

FINAL CLEARANCE  
 CONTRACTOR REPRS: *Jerry M Justice* C.O.E. REPRS: *James D. Swettant*

**INSTRUCTIONS**  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.



FOR CHECK OUT FOR  STRUCTURES  REINFORC CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 126 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 8-10-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	8-10-95	2:30	Da	8-10-95	1415
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmD	8-10	2:30	Da	8-10-95	1415
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	8-10	2:35	Da	8-10-95	1420
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmD	8-10	2:40	Da	"	1425
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmg	8-10-95	2:40	Da	8-10-95	1425
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.86'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmg	8-10	2:45	Da	8-10-95	1430
G. SAFETY (LIST)	Jmg	8-10	2:45	Da	8-10-95	1435
1. Ladder	✓	"	"	✓	"	"
2. Scaffold	✓	"	"	✓	"	"
3. Rigging Check	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	8-10	2:45	-	-	-
Exp. Material	NONE THIS POUR	"	"	-	-	-

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	3:00					
Conc. Bucket	1	1.0 C.Y.	3:00					
Conc. Vibrator	1	18' shaft	3:00					

J. REMARKS SLUMP = 4" ; AIR ENTR. = 5.4% ; CONCRETE TEMPS = 85° ;  
 AIR TEMPS = 89° ; 3 Test Cylinders (LA-69)

FINAL CLEARANCE  
 CONTRACTOR REPRS: *Jerry M. Justice* C.O.E. REPRS: *Jennifer D. Swettenham*

**INSTRUCTIONS**  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

## QUALITY ASSURANCE REPORT SUPPLEMENT

OA Inspections Performed & Results: Observed personnel cutting existing shafts near Sta. 106+00 prior to removing concrete cap from site. Shafts were cut to el. 6.75' (min req'd for temp flood protection). Checked pile driving operations on east side. Subcontractor using F-beam template to align piles & level used to check plumbness at shafts. Shafts were driven to el. 5.75' & difficulty observed when driving to finished grade. All personnel wearing hard hats & safety shoes on site.

Instructions to COC/Remarks:

None given today

Chris J. Wagner  
Name Title  
Proj Engr

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/10/95

REPORT NO.: 223

SKIES: Pt, cloudy

RAIN: 0 IN. TEMP.: 76 MIN 95 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.4) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Wrecked I-wall forms at West Monoliths #135, #130, and #128, cleaned oiled and then set forms at West Monoliths #133 and #126. Poured concrete at West Monoliths #133 and #126 today. Formed up and graded soil for stabilization slab on the West Bank from station 105+50 to sta. 105+00. Demolished existing floodwall on the West Bank from sta. 106+80 to sta. 105+95. Burned holes for rebar to pass through at West Mono. #124. Excavated for I-wall construction on the East Bank from sta. 75+00 to sta. 74+00. Cement finisher worked on patching and rubbing concrete surfaces at West Monoliths #163 and #162. Operator and laborer moved CZ-101 sheet piles to the East Bank at Thirabeau for pile driving crew.

Arcadia Rebar - Tied reinforcing steel at West Monolith #126 (bottom + top), and at West Mono. #133 (top steel only). Pre-tied 2 more steel mats for future use in I-wall stems.

Gill's Crane Service - Drove new CZ-101 sheet piles on the East Bank from Sta. 75+91.50 to Sta. 75+44.60 (26 pcs. at 21'-9" long each piece)

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY  
 COMPANY

NO TRADE HOURS LOCATION/WORK DESCRIPTION

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	47	B+K Const.	Wrecking + setting I-wall forms; Pouring
7	Skilled	72	"	I-wall concrete; Demolishing concrete
1	Supt.	9	"	existing floodwall; structural excavation;
1	Q.C. Rep	9	"	Finishing I-wall concrete (See Locations Above)
3	Skilled	21	Arcadia Rebar	Tying re-steel for I-wall (See Above)
2	Skilled	14	Gill's Crane	Driving new CZ-101 sheet piles
1	Unskilled	8	"	on the East Bank (See Location Above)

## EQUIPMENT

DESCRIPTION	HRR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	4	—
Komatsu D37P Dozer	—	NO	0	8	—
Kubota 151 Excavator	—	NO	0	8	—
Case 580 Backhoe #1	—	yes	3	7	—
Koehring 535 Crane	—	yes	6	2	—
MKT Vibro Hammer	—	yes	6	2	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	7	3	—
KOMATSU EXC. 200 #2	—	yes	3	5	—
CASE 580 BACKHOE #2	—	yes	2	6	—
WELDING MACHINE	—	NO	0	8	—
KOEHRING 535 CRANE	—	NO	0	8	—
KOEHRING 405 CRANE	—	NO	0	8	—

## MATERIALS RECEIVED

Received 34 cubic yards of concrete (mix #44-C) from Lafarge Concr. Co. today. Placed 17 cu. yards of this material in West I-wall monolith #133 and 17 cu. yards in West Monolith #126 today. Concrete delivery tickets were furnished to the Government Inspector Zone Bryant.

## TESTS PERFORMED

(As required by plans/specifications)

B&K Const. personnel tested and inspected concrete delivered by Lafarge Concrete Company today. Find results of these tests are attached to this report on the Concrete Field Data Summary sheet.

Delta Testing performed vibration monitoring tests on the East Bank adjacent to the sheet pile driving work (± station 75+50). Results of these tests are furnished only to the Orleans Levee Board.

## INSPECTIONS PERFORMED

Inspected the reinforced concrete floodwall work performed today. I-wall forms were clean and oiled prior to being set in place at West Monoliths #133 and #126. Forms were plumbed and set to proper alignment using turnbuckle braces. Top of wall elev. was +14.42 on the Land side, and +14.40 on the Canal side.  $\frac{3}{4}$ " Chamfer strip was placed at all exposed corners, vertical and horizontal. Reinforcing steel clearances were checked, and adjusted to 2" minimum at all points using bar supports. Waterstop was correctly installed in the center of the I-wall bulkhead form at each end, running vertically from 3" above btm. of wall to 6" below top of wall. Expansion material was attached to each end of completed I-wall monoliths before forms were set on closure pours (West Mon. #133 was today's closure form). LMN Form #1246 was completed as a checklist prior to concrete placement.

Inspected the concrete delivered by Lafarge Conc. Co. today. Mixture was of uniform consistency and color. No deleterious matter was observed in the mixture. Slumps, air contents, and temperatures were all within specified tolerances. (See B&K Const.'s Concrete Field Data Summary.)

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked reverse alarms on both Case 580 backhoes. Found back-up alarms in good working order on both 580 backhoes.

Checked the canal water for any sign of pollution. No sign of oil, trash, or debris from Contractor's activities was observed.

## REMARKS

(Instructions received, miscellaneous remarks)

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice

Authorized Q C Representative

8-11-95

Date

B K CONSTRUCTION COMPANY, I.  
 LONDON AVENUE CANAL FLOODWALL PROJECT  
 CONCRETE FIELD DATA SUMMARY

DATE: 8-10-95

Pour Location West I-Wall Monoliths #133 and #126.

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.	
272999	12:00	12:58	1"°	32 gal	3 <sup>3</sup> / <sub>4</sub> " <sup>x</sup>	88°	87°	5.8%	3	12:30	9
273078	1:00	1:51	2.5°	10 gal	4.0°	87°	87°	-	-	1:25	8
273063	2:48	3:21	4.0°	-0-	4.0 <sup>x</sup>	85°	89°	5.4	-	3:15	9
273074	4:14	4:50	3.0°	5 gal	3.5°	87°	89°	-	-	4:30	8

REMARKS: Test Cylinder Set # LA-69.

NOTE: "x" = Actual Slump Determination  
 "o" = Visual Slump Determination

TECHNICIAN:  
Jerry Justice



BTK Construction

MINUTES OF SAFETY MEETING

DATE: 8-11-95

TIME: 7:00 AM

PROJECT: London Avenue Canal Floodwall  
DACW29-94-C-0079

MEETING CONDUCTED BY: Jerry Justice

PERSONS ATTENDING:

*Jerry Justice*  
*Steve Thomas*  
*Mike [unclear]*  
*[unclear]*  
*[unclear]*  
*[unclear]*  
*[unclear]*  
*[unclear]*

*Bruce Jones Jr.*  
*Eric Bailey*  
*Harold J. Lee*  
*Bryan Verdun*

TOPICS DISCUSSED:

Newly hired employees will need to be made aware of safety hazards on the job. Some of these new laborers may be inexperienced, and fresh out of high school. These workers will be assigned to an experienced employee, who will be expected to train and inform new workers of job safety. Be patient and take time to show new workers the ropes.

Also discussed proper safety equipment required for employees. Steel toe boots are mandatory, as well as hard hats, and must be worn at all times when in the work area.

COMMENTS:

Two new scaffold walk boards are needed on cement finisher's scaffold. These boards are on the job already, but need to be moved into place. The foreman and supt. were informed of this need.

*[Signature]*  
CONTRACTOR'S SUPERINTENDENT



**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL**  
(ER 415-1-302)

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

174

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Wednesday  
09 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 76°	MAXIMUM 95°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.15"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-19 hrs	TOTAL 2-19 hrs	LABOR
-------------	--------	--------	------------------------	-------------------	-------

FEET 2.00'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-21 hrs	SKILLED 10-97 hrs	LABORERS 7-66 hrs	TOTAL 19-184	FROM 0700 M	TO 1830 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (OCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; STRUCT. EXCAVATION; SELECTIVE DEMOLITION
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. Arcadia Rebar, Inc. - NO WORK THIS DATE.

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above.)

- a) Wrecked forms from W. Mono #132; Set forms & placed concrete for W. Monos #128 & #130; Removed existing concrete caps between WB/L Sta's 106+80 & 108+00; Struct. Excavation between EB/L Sta's 75+00 & 76+00; Rubbed P/S surfaces of W. Monos #163 & #164.
- b) Drove 44 pcs of CZ-101 X 21'=9" piles between WB/L Sta's 75+91.50 & 76+70.85.
- c) No work this date.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03 & 04 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was scheduled and performed by B&K and Gill this date. No work performed by Arcadia this date. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 35.8%

PERCENT TIME ELAPSED: 57.1%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

STRUCTURAL EXCAVATION: No instructions issued.

SELECTIVE DEMOLITION: No instructions issued.

STEEL SHEET PILES: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Performed Pre-Placement inspections on W. Monos #128 & #130 prior to placing concrete (see attached LMN Form 1246's). Observed placement of concrete for W. Monos #128 & #130 this date. Noted that concrete was not allowed to drop more than 5', was placed in lifts of less than 18", and was well vibrated. Witnessed the sampling and testing of concrete being used this date (see attached Concrete Field Data Sheet for test results). Checked and found finisher had plugged all tie-rod holes in W. Mono #132 this date. Observed finishers rubbing P/S surfaces of W. Monos #163 & #164 this date, finish is satisfactory.

**STRUCTURAL EXCAVATION:** Noted that B&K had performed structural excavation between EB/L Sta's 75+00 and 76+00, by widening the previous excavation in this area, by approx. 1½' to the P/S. Excavated material was used to widen existing levee crown.

**SELECTIVE DEMOLITION:** Noted that B&K removed the existing concrete caps between WB/L Sta's 106+80 and 108+00, by cutting off the existing sheet piles at approx. elev. +6.75 for temporary flood protection. The existing concrete caps were placed on the F/S of the existing piles and will be removed from site at a later date.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (Include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).


**REMARKS (Include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	10 hrs.	QAR
J. AVETTANT	Const. Insp., GS-04	7 hrs.	QAR

**SAFETY (Include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Checked and found fire extinguishers fully charged on the following equipment: 2-Komatsu 200 Excavators, 1-Mantis 3612 Crane, 1-Komatsu D37P Dozer, 2-Case 580 Loader/Backhoes, and 1-Koehring 535 Crane.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 11 AUG 95	SUPERVISOR'S INITIALS gw	DATE 8/18/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 174

DATE Wed. - 09 Aug 95

**QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:**  
(CONTINUED FROM ENG FORM 2538-2, DAILY LOG OF CONSTRUCTION)

STEEL SHEET PILES: Noted that subcontractor (Gill) had driven 44 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 75+91.50 and 76+70.85, to a top elev. of +5.75', except at proposed monolith joints where these 4 piles were driven to a top elev. of +5.00' as required. Spot checked piles alignment, and noted that approx. 9 pairs (18 pcs) of piles were out of alignment tolerance, between approx. EB/L Sta's 76+00 and 79+00. These piles will have to be corrected as soon as possible. Top elev's of all piles were found to be within the 1½" tolerance.

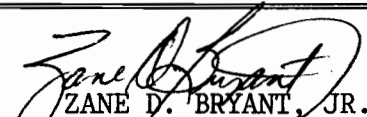
QUALITY CONTROL: Contractor is providing adequate quality control this date.

**VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:**

NONE

**REMARKS:**

NONE

  
ZANE D. BRYANT, JR.  
Inspector's Signature



FC CHECK OUT FOR

STRUCTURES  
 REINFORC

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH West # 128

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 8-9-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	8-9-95	2:50	ZOB	8-9-95	1450
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmg	8-9-95	2:55	ZOB	8-9-95	1450
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	8-9-95	2:55	ZOB	8-9-95	1455
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	8-9-95	3:00	ZOB	8-9-95	1455
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	8-9-95	3:00	ZAB	8-9-95	1455		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	8-9-95	3:05	ZAB	8-9-95	1500		
G. SAFETY (LIST)	JmJ	8-9-95	3:05	ZAB	8-9-95	1500		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Ladder + Scaffold	✓	"	"	✓	✓	✓		
3. Rigging	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-9-95	3:10	—	—	—		
Exp. Material	None This Pour	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator						
Concrete Bucket	1	1.0. cy.						
Concrete Vibrator	1	18' whip						
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 6% ; CONCRETE TEMPS = 86° ;							
	AIR TEMPS = 93° ; 3 Test Cylinders (LA-68)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	JmJ				C.O.E. REPRS: ZAB			
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

FC CHECK OUT FOR

STRUCTURES  
 REINFORC

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave  
Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH  
WRST# 130

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

8-9-95

INSPECTED BY CONTRACTOR

REVIEWED BY C.O.E.

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
<b>A. SHEET PILING</b>	<i>Jmg</i>	8-9-95	11:45	<i>PA</i>	8-9-95	12:05
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
<b>B. CONCRETE PILING</b>	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
<b>C. STAB. SLAB/JOINTS</b>	<i>Jmg</i>	8-9	11:45	<i>PA</i>	8-9-95	12:05
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
<b>D. STEEL REINFORCING</b>	<i>Jmg</i>	8-9	11:50	<i>PA</i>	8-9-95	12:05
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
<b>E. FORMWORK</b>	<i>Jmg</i>	8-9	11:50	<i>PA</i>	8-9-95	12:05
CONDITION	✓	"	"	✓	"	"



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmd	8-9-95	11:50	Pa	8-9-95	12:05
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.86'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmd	8-9	11:55	Pa	8-9-95	12:05
G. SAFETY (LIST)	Jmd	8-9	11:55	Pa	8-9-95	12:05
1. Eye Protection	✓	"	"	✓	"	"
2. Ladder	✓	"	"	✓	"	"
3. Scaffold	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	8-9-95	12:00	—	—	—
Exp. Material	NONE THIS POUR	"	"	—	—	—

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	12:20	3				
Concrete Bucket	1	1.0 cu.	"	"				
Concrete Vibrator	1	18" whip	"	"				

J. REMARKS  
 SLUMP = 3" ; AIR ENTR. = 5.6% ; CONCRETE TEMPS = 87° ;  
 AIR TEMPS = 93° ; 3 Test Cylinders (LA-68)

FINAL CLEARANCE  
 CONTRACTOR REPRS: *Jerry Justice* C.O.E. REPRS: *Jennifer A. Swett*

**INSTRUCTIONS**  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/10/95

REPORT NO.: 222

SKIES: Clear - pt Cloudy RAIN: 0.15 IN. TEMP.: 76 MIN 95 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.0) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Wrecked I-wall forms from West Mono. #132. Cleaned, oiled, and set these forms at West Mono. #128. Set top re-steel, and Land Side form at West Mono. #130. Poured concrete at West Monoliths #130 and #128 today. Demolished existing floodwall on West Bank from station 108+00 to Sta. 106+80. Performed structural excavation on East Bank from Sta. 76+00 to Sta. 75+00. Burned holes in C2-101 sheet piles for rebar to pass through at West Mono. #124. Cement finishers worked on West Monoliths #164 and #163, patching and repairing concrete surfaces. Surveyor established offset lines, monolith joints, and control elevations for I-wall construction and sheet pile driving work.

Gill's Crane Service - Drove new C2-101 sheet piles on the East Bank from station 76+70.85 to station 75+91.50 (44 pieces at 21'-9" long each piece).

Arcadia Rebar - Did not show up today.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	58	B+K Const.	wrecking + setting I-wall forms;
8	Skilled	81	"	Pouring I-wall concrete; Demolishing
1	Supt.	11	"	existing floodwall; performing struct.
1	Q.C. Rep.	10	"	excavation; Finishing I-wall concrete
				Surfaces; Establishing lines and
				grades for I-wall + sheet pile
				work. (See Locations Above)
2	Skilled	16	Gill's Crane	Driving new C2-101 sheet Piles
1	Unskilled	8		on the East Bank (See Above)
0	men	0	Arcadia Rebar	

## EQUIPMENT

DESCRIPTION	R/DEP	SAFETY CHECK	HRS U <sup>( )</sup>	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	7	3	—
Komatsu D37P Dozer	—	NO	0	8	—
Kubota 151 Excavator	—	yes	2	8	—
Case 580 Backhoe #1	—	yes	4	6	—
Koehring 535 Crane	—	yes	8	0	—
MKT Vibro Hammer	—	yes	8	0	—
Fiat-Allis MotorGrader	—	yes	2	8	—
Mantis 3612 Crane	—	yes	6	4	—
KOMATSU EXC. 200 #2	—	yes	3	5	—
CASE 580 BACKHOE #2	—	yes	3	5	—
WELDING MACHINE	—	NO	0	8	—
KOEHRING 535 CRANE	—	NO	0	8	—
KOEHRING 405 CRANE	—	NO	0	8	—

## MATERIALS RECEIVED

Received 34 cubic yards of Concrete (Mix #44-C) from Lafarge Conc. Co. today. Placed 17 yards of this material in West Monolith #130, and 17 yards in West Mono. #128 today. Delivery tickets were furnished to Insp. Zane Bryant, and all necessary information was printed or hand written on the ticket.

## TESTS PERFORMED

(As required by plans/specifications)

BTK Construction performed tests and inspection on Concrete Mix #44-C delivered by Lafarge Conc. Co. today. See results attached on the Concrete Field Data Summary Sheet.

Delta Testing performed vibration monitoring on the East Bank adjacent to sheet pile driving work ( $\pm$  Sta. 76+50) today. Results are furnished only to the Orleans Levee Board.

I inspected the cement finishing work done on West Monoliths # 170 through # 143. The finishers will have to go back all the way to west Mono. # 170, patching + rubbing flat vertical surfaces, as the previous work was not acceptable as a Class 'A' finish. The fractured fin area will be patched and repaired as they back-track, leaving only the Canal side to finish. The cement finishers were informed of the re-work that is necessary here, and are aware of the quality of work required.

Inspected the alignment of CZ-101 Sheet piles on the East Bank between Sta. 76+00 and Sta. 79+00. There were 4 pairs of sheets in this area that were 0.23' to 0.15' too far to the Land side, and 5 pairs that were too far to the Canal side (0.28' to 0.20'). These are all within specified tolerance for sheet pile alignment, however there is no reason for this amount of error. Pile driving crew was notified of this problem, and instructed to correct it in the future.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked Rigging on concrete bucket used to pour T-walls today. Rigging slings and shackles were in good condition.

Checked sheet shackles used to hoist CZ-101 Sheet pile pairs. Ground release shackles were being used, and were found to be functioning properly, with no defects or abnormal wear noted.

REMARKS

(Instructions received, miscellaneous remarks)

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice

Authorized O C Representative

8-10-95

Date

B K CONSTRUCTION COMPANY, INC.  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 8-9-95

Pour Location West I-Wall Monoliths #130 + #128.

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
272790	12:08	1:15	2.0°	25 Gal	3.0 <sup>x</sup>	87° 93°	5.6	3	1:00	9
272845	2:25	3:14	2.0°	15 Gal	4.0°	86° 94°	-	-	2:50	8
272869	3:35	4:20	2.5°	15 Gal	4.0 <sup>x</sup>	86° 93°	6.0	-	3:50	9
272879	5:00	5:46	2.5°	5 Gal	3.0°	88° 93°	-	-	5:10	8

REMARKS: Test Cylinder Set # LA-68 .

NOTE: "x" = Actual Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN:  
Steve Thorne

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL**  
(ER 415-1-302)

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

TO Area Engineer, CELMN-CD-NO					COPY TO: C/Const. Div. CELMN-CD					REPORT NUMBER 173	
PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal, Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.					CONTRACTOR (Or hired labor) B & K Construction Company, Inc. 1905 Highway 59, Mandeville, La. 70448					DATE Tuesday 08 August 1995	
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS					WEATHER Partly Cloudy & Hot					CONTRACT NUMBER DACW29-94-C-0079	
STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %	TEMPERATURE MINIMUM 75°		MAXIMUM 92°		24 HOUR PRECIPITATION INCHES 0.00"		
HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES (Explain)					ENDING 0730		M		Canal RIVER STAGE		
NUMBER OF GOVERNMENT EMPLOYEES					FEET 2.20'		TIME 0800		M		
SUPERVISORY 1-1 hr.	OFFICE	LAYOUT	INSPECTION 2-16 hrs	TOTAL 3-17 hrs	LABOR	NUMBER OF SHIFTS <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3					
NUMBER OF CONTRACTOR'S EMPLOYEES					FROM 0700 M	TO 1630 M	FROM M	TO M	FROM M	TO M	

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (OCR) contains the information it need not be repeated.

**CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY**

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

**WORK PERFORMED TODAY** (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

- a) Set forms & placed concrete for W. Monos #132 & #135; Burned holes in sheet piles for re-steel installation for W. Mono #126, #128 & #129; Rubbed P/S surfaces of W. Monos #164 thru #166; Repair work on forms.
- b) Drove 44 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 76+70.85 & 77+50.20.
- c) Set & tied bottom resteel for W. Monos #128 & #133 and top resteel for W. Mono #132.

**Days of no work and reasons for same:**

100% of days lost due to adverse weather/wet ground on 01, 02, 03 & 04 Aug 95.

**Information on progress of work, causes for delays and extent of delays, Plant, material, etc.**

Progressive work performed by B&K, Gill and Arcadia this date. See attached CQC Reports.

DATE SET FOR COMPLETION: 04 MAY 96      PERCENT PROJECT COMPLETE: 35.3%  
PERCENT TIME ELAPSED: 56.9%

**CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:**

Attended the following CQC Inspection Phases this date:

- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- RESTEEL INSTALLATION: No instructions issued.
- STEEL SHEET PILES: No instructions issued.



**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS CQC ACTIVITIES**

The following Follow-Up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Performed Pre-Placement Inspections on W. Mono #132 & #135 this date prior to placing concrete (see attached LMN Form 1246's). Observed placement of concrete for W. Monos #132 & #135 this date. Concrete was not allowed to drop more than 5', was placed in lifts of less than 18", and was well vibrated. Witnessed the sampling & testing of concrete being used (see attached Concrete Field Data Report for test results). Observed carpenters repairing worn surfaces on I-Wall forms this date. Observed finishers rubbing on P/S surfaces of W. Monos #164 thru #166 (see NOTE below). Observed B&K cutting holes in sheet piles approx. 2½" above stab slab for resteel installation in W. Monos #126, #128 & #129.

**RESTEEL INSTALLATION:** Checked and found all required resteel properly installed and tied for the bottom sections of W. Monos #128 & #133, and the top section of W. Mono #132. All resteel set & tied in accordance with approved shop drawings.

**STEEL SHEET PILES:** Spot checked alignment and plumbness of piles driven this date, between WB/L Sta's 76+70.85 & 77+50.20. All piles were driven plumb, on proper alignment, and to a top elev. of +5.75', except at mono joints they were driven to +5.00' (9" lower).

**QUALITY CONTROL:** Contractor is providing adequate quality control this date.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (Include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL:**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN OCR REPORT OR DISAGREEMENTS:**

**NOTE:** During a joint QA/QC Inspection by CQC Rep. J. Justice and QAR, Z. Bryant it was noted that finishers were not providing a satisfactory Class "A" finish on the surfaces of I-Wall Monoliths #164 thru #170. Some indentations or convexities were noted on the air bubbles that were being repaired, also on the tie-rod holes. Mr. Justice stated that they would correct these deficient areas as soon as possible, and in so informed the finishers.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

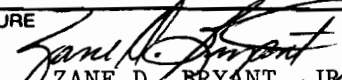
**REMARKS (Include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
C. WAGNER	Civ. Engr., GS-11	1 hr.		PE
Z. BRYANT	Const. Insp., GS-07	7 hrs.		QAR
J. AVETTANT	Const. Insp., GS-04	7 hrs.		QAR

**SAFETY (Include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective action taken.)**

Checked and found finishers wearing safety glasses while chipping concrete this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 11 AUG 95	SUPERVISOR'S INITIALS ydw	DATE 8/19/95
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FC CHECK OUT FOR  STRUCTURE  REINFORC. CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 132 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 8-8-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	8-8-95	1:00	ZOB	8-8-95	13:10
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmj	8-8	1:00	ZOB	8-8-95	13:10
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	8-8	1:05	ZOB	8-8-95	13:10
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	8-8	1:10	ZOB	8-8-95	13:15
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	8-8-95	1:10	ZJB	8-8-95	1315
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH	✓	"	"	✓	✓	✓
WIDTH	✓	"	"	✓	✓	✓
HEIGHT	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	8-8	1:15	ZJB	8-8-95	1320
G. SAFETY (LIST)	JmJ	8-8	1:15	ZJB	8-8-95	1320
1. Ladder + Scaffold	✓	"	"	✓	✓	✓
2. Rigging	✓	"	"	✓	✓	✓
3. Eye Protection	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	8-8-95	1:20	—	—	—
EXP. MATERIAL	NONE THIS POUR	"	"			

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1:45	2				
Conc. Bucket	1	1.0 c.y.	1:45	2				
Conc. Vibrator	1	18' whip	1:45	2				

J. REMARKS SLUMP = 3 1/2" ; AIR ENTR. = 4.2% ; CONCRETE TEMPS = 88° ;  
 AIR TEMPS = 90° ; 3 Test Cylinders (LA-67)  
 FINAL CLEARANCE

CONTRACTOR REPRS: *Jerry M. Justice* C.O.E. REPRS: *ZJB*

**INSTRUCTIONS**  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

FO  CHECK OUT FOR  STRUCTURES  REINFORC.  CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd. CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 135 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 8-8-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	8-8-95	8:45	ZAB	8-8-95	0900
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmg	8-8	8:45	ZAB	8-8-95	0900
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	8-8	8:50	ZAB	8-8-95	0900
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	8-8	8:55	ZAB	8-8-95	0905
CONDITION	✓	"	"	✓	✓	✓

ITEM	SPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	8-8-95	8:55	ZJB	8-8-95	0905
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.85'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmj	8-8	9:00	ZJB	8-8-95	0910
G. SAFETY (LIST)	Jmj	8-8	9:00	ZJB	8-8-95	0910
1. Ladder	✓	"	"	✓	✓	✓
2. Scaffold	✓	"	"	✓	✓	✓
3. Eye Protection	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	8-8	9:05	ZJB	8-8-95	0910
Expansion material	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	9:45					
Conc. Bucket	1	1.0 c.y.	"	"				
Conc. Vibrator	1	18' whip	"	"				

J. REMARKS SLUMP = 3 3/4" ; AIR ENTR. = 6.2% ; CONCRETE TEMPS = 87° ;  
 AIR TEMPS = 89° ; 3 Test Cylinders (LA-67)

FINAL CLEARANCE  
 CONTRACTOR REPRS: Jerry M. Justice C.O.E. REPRS: [Signature]

**INSTRUCTIONS**  
 CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

# QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed contractor personnel placing concrete for mass # 135. Trammers being used to minimize drop to less than 5' and concrete being well vibrated for consolidation purposes. Also observed personnel making cylinders to be broken later + finishers rubbing protected side monoliths removing pits + voids that were present. (No work down on structural form area).

Instructions to COC/Remarks: N/A.

Chris Wagner Proj Engr  
Name Title

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/08/95

REPORT NO.: 221

SKIES: Clear - Pt. cloudy RAIN: 0 IN. TEMP.: 75° MIN 92° MAX

DUST: Minimal LEVEE CONDITION: CANAL GAUGE: (2.2) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Carpenters set forms at West I-wall Monolith #132. Poured concrete at West Monoliths #135 and #132 today. Worked on repairing steel I-wall forms, replacing worn plywood. Set Canal side form at West Monolith #130. Burned holes in CZ-101 sheet piles for rebar to pass through at West Monoliths #129, #128, and #126. Cement finisher worked on patching and rubbing concrete surfaces at West Monoliths #165 + #164 (see Page #3 for inspections and comments). Surveyor staked G of I-wall offsets for pile drivers on the East Bank at station 76+50 through sta. 75+00, and established cut off elevations and monolith joint stationing for CZ-101 piles. Re-set grades and offset lines for I-wall construction where Emergency Gap Closure affected these control marks.

Arcadia Rebar - Tied bottom reinforcing steel at West Monoliths #133 and #128, and set top steel mat at West Monolith #132. Also pre-tied two more steel mats for future placement.

Gill's Crane Service - Drove new CZ-101 sheet piling from East @ Sta. 77+50.30 to sta. 76+70.85 (44 pcs. at 21'-9" long each piece)

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	46	B+K Const.	Forming + Pouring I-wall; Burning holes for Rebar; Repairing I-wall forms; Finishing I-wall concrete surfaces; Establishing vertical and horizontal controls for sheet piling and concrete work. (See Locations Above)
8	Skilled	74	"	
1	Supt.	9	"	
1	Q.C. Rep.	9	"	
3	Skilled	21	Arcadia Rebar	
2	Skilled	14	Gill's Crane	Driving New CZ-101 sheet piling for I-wall (see Above)
1	Unskilled	7	"	

## EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	3	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	No	0	8	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	yes	7	1	—
MKT Vibro Hammer	—	yes	7	1	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	6	3	—
KOMATSU EXC. 200 #2	—	yes	3	5	—
Case 580 BACKHOE #2	—	yes	2	6	—
WELDING MACHINE	—	NO	0	8	—
KOEHRING 535 CRANE	—	NO	0	8	—
KOEHRING 405 CRANE	—	NO	0	8	—

## MATERIALS RECEIVED

Received 17 cubic yards of Mix #44 Concrete from Lafarge for West Monolith #135, and 17 cubic yards of mix #44 for West Monolith #132 today. Delivery tickets were furnished to Inspector Zane Bryant.

## TESTS PERFORMED

(As required by plans/specifications)

B+k Construction personnel tested and inspected concrete (mix #44) delivered by Lafarge Conc. Co. today. Slumps, Air Contents, temperatures, etc. are documented on the Concrete Field Data Summary sheet attached to this report.



## INSPECTIONS PERFORMED

I inspected the concrete finishing work being done on the West Bank (Monoliths #170 through #166) by BTK Construction personnel today. It was the general consensus of BTK Const. management and the Government Inspector Zane Bryant that the work done so far was not acceptable. Indentations and convex areas were present on the vertical surfaces inspected today; also, no patching of voids & air bubble holes has been completed yet in the fractured fin area. No work has been done on the Canal Side of these monoliths at all. The finishers have been given instructions to repair the defective surfaces on West Monoliths #170 through #166, and to correct their methods on all future walls to yield a Class 'A' finish.

Also inspected the placement of concrete in I-Wall forms today. A hopper and trimmie chutes were used (lengths of chutes were 8.5', 5.5', and 2.5') to minimize vertical drop of concrete. The concrete was placed in layers of 18" each, and consolidated by vibrating before placing the next layer. Slumps were between 3" and 4 1/2", and placement was completed within 90 minutes after batch time.

## JOB SAFETY

(Note inspection, violations/actions taken)

Electric Feeder Lines #FL340 and #FL432 were de-energized prior to starting work on the East Bank (Mirabeau → Filmore) today, and then re-energized after work was completed for the day at 4:00 PM. This was co-ordinated through the Orleans Sewerage & Water Board's Central Control office, by Jerry Justice, and this procedure is followed every day that we have work going on in this reach.

## REMARKS

(Instructions received, miscellaneous remarks)

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice

Authorized Q C Representative

8-9-95

Date



B CONSTRUCTION COMPANY, INC.  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 8-8-95

Pour Location West Monoliths #135 and #132

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C Required Strength 3000 psi (90 days)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
27237A	9:40	10:25	1" °	40 gal.	5" °	88° 88°	—	—	10:10	9
27241B	10:40	11:20	3" °	8 gal.	3 3/4" x	87° 89°	6.2%	3	11:00	8
272490	1:45	3:05	3" °	10 gal.	3 1/2" x	88° 90°	4.2%	—	2:05	9
272527	2:45	3:45	2 1/2" °	15 gal.	3 1/2" °	88° 91°	—	—	3:15	8

REMARKS: Test Cylinder set # LA- 67 .

NOTE: "x" = Acutal Slump Determination  
"o" = Visual Slump Determination

TECHNICIAN:  
Jerry Justice

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

172

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Sat., Sun. & Mon  
05, 06 & 07 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100%	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 76°	MAXIMUM 93°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)  
Emergency Breach Closure

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-16 hrs	TOTAL 2-16 hrs	LABOR	FEET 2.50'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-17½ hrs	SKILLED 12-100 hrs	LABORERS 5-45 hrs	TOTAL 19-162½	FROM 0700 M	TO 1700 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - BREACH CLOSURE REMOVAL; REINFORCED CONCRETE FLOODWALL
- b. Arcadia Rebar, Inc. - RESTEEL INSTALLATION
- c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors buy letter in Table above)

- a) Rewelded #6 rebars to the tops of sheet piles for W. Monos #132, #133 & #135; Removed plugs from sheet piles that were used to cover hole that were cut for resteel installation; Cut resteel holes in sheet piles for W. Monos #130 & #131; Rubbed P/S of W. Monos #167 thru #170; Poured stab. slab between WB/L Sta's 105+80 & 106+60; Removed concrete cap.
- b) Set & Tied bottom resteel for W. Mono #130, #132 & #135, and top resteel for W. Mono #135.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03 & 04 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Progressive work was performed by B&K and Arcadia on Mon., 07 Aug 95. No work was scheduled or performed on 05 & 06 Aug 95. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 34.8%  
PERCENT TIME ELAPSED: 56.8%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

RESTEEL INSTALLATION: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed on Mon., 07 Aug 95:

**REINFORCED CONCRETE FLOODWALL:** Checked area graded for stab slab between WB/L Sta's 105+70 & 106+60 to be graded to accept +4.0" of concrete. Observed placement of concrete for stab slab between WB/L Sta's 105+80 & 106+60, to a top elev. of +2.95'. Checked surfaces of West Mono #137 after forms were removed and noted no major surface defects. Observed B&K rewelding #6 rebars to the tops of sheet piles for cathodic protection for W. Monos #132, #133 & #135. Observed finishers continuing to rub P/S surfaces of W. Monos #167 thru #170. Noted that B&K had burned holes in sheet piles approx. 2 1/2" above stab slab for the installation of resteel for W. Monos #130 & #131. Observed B&K setting forms for W. Mono #135 this date. Noted that B&K has removed the existing concrete cap from between WB/L Sta's 108+00 & 108+45, by cutting off the existing sheet piles at elev. +6.75 for use as the temporary flood protection.

**RESTEEL INSTALLATION:** Checked and found that Arcadia had properly installed all required resteel for the bottom sections of W. Monos #130, #132 & #135, and the top resteel for W. Mono #135. All resteel tied at 100%, and set in accordance with approved shop drawings.

**REMOVAL OF BREACH CLOSURE:** Monitored all work pertaining to this phase of work.

**QUALITY CONTROL:** Contractor is providing adequate quality control this date.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

**NOTE:** All phases of work pertaining to the Emergency Breach Closures between WB/L Sta's 108+40 and 109+53 are complete as of this date, with the exception of re-installation of the cathodic protection jumpers between W. Monos #132/#133 & #135/#136 which pulled loose during pile pulling operations. Contractor must also re-drive the sheet piles between WB/L Sta's 119+63 & 119+69 to a top elev. of +5.75' whenever they are ready to begin work on the concrete collar at this location.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/period).

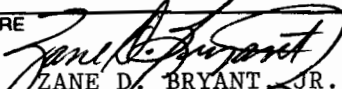
**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	7 hrs.	QAR
J. AVETTANT	Const. Insp., GS-04	7 hrs.	QAR

**SAFETY: (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Checked and found back-up alarms working properly on both of the Case 580 Loader/Backhoes on Mon., 07 Aug 95.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT JR.	DATE 11 Aug 95	SUPERVISOR'S INITIALS yew	DATE 8/17/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/07/95

REPORT NO.: 220

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 76 MIN 93 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.5) NOISE: Moderate

WORK PERFORMED/LOCATION

8-5-95 Saturday - No work performed today.

8-6-95 Sunday - No work performed today.

① 8-7-95 Monday - B&K Construction - Re-welded #6 rebar to C2-101 sheet piles at west monoliths #135, #133, and #132. Re-cut holes in C2-101 sheet piles for rebar to pass through at west monoliths #133 and #132. Bond cables still must be re-attached at these locations at a later date.

Carpenters wrecked forms at west Mono. #137 then cleaned, oiled, and set these forms at west Mono. #135. Burned holes in C2-101 sheet piles (for rebar) at west monoliths #130 + #131. Repaired one steel I-wall form (some straightening and welding of support steel was necessary). Poured concrete in stabilization slab forms from west B 106+60 to sta. 105+80. Cement finishers completed repair work on west Mono's #170 through #166 Land Side, except for the Fractured Fin Area. (No canal side finishing work done yet.) Demolished existing concrete floodwall from west B sta. 108+45 to 108+00.

② Arcadia Rebar - Re-tied bottom steel at west Mono's #135 + #132 (previously tied before Breach Closure was ordered). Also tied bottom steel at west Mono. #130, and set top steel at west Mono #135. Pre-tied 2 more steel mats for future placement in I-Wall stems.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	45	B&K Const.	Re-burning holes and re-welding
9	Skilled	76	"	#6 bars for I-wall reinforcement +
1	Supt.	9	"	Cathodic Protection; Burning new holes
1	QC Rep	8.5	"	in C2-101 sheets for rebar; Pouring
				conc. stab. slab; Forming I-wall Monoliths;
3	Skilled	24	Arcadia Rebar	Finishing Concrete; Repairing I-wall forms. (See Locations Above)
				→ Tying Reinforcing steel for
				I-wall Monoliths (some of
				today's work was re-tying
				steel previously built prior to
				Emergency Breach Closure). See Above.

I inspected the reinforcing steel tied today at West Monoliths #135, 132, and #130 by Arcadia Rebar. The #6 vertical bent bars were installed through the holes cut in CZ-101 sheet piles by B+K Construction. These bars were then tied together where they overlapped. Spacing was 12" or less on centers, except at each end of each monolith, where the first two spaces were 6" or less. There were 66 of these verticals at each I-wall bottom (64 required minimum). The #5 horizontals were tied to each #6 vertical at a distance of 9" apart on centers. There were 10 of these bars 28'-6" long, and 8 of the #5 horizontal bars (2 each end, each face of wall) at 5'-0" long, tied in between the bottom 2 9" spaces. #5 U-Bars were tied to the #5 horizontals, one at each sheet pile handling hole (16 total). The top portion of the I-wall steel was tied as follows: #5 verticals spaced at 12" on centers each face (64 bars total). The horizontal #4 bars 28'-6" long were tied to these verticals at 12" on centers (18 bars total). #4 U-Bars were tied across the top of the walls on 24" centers, and at each end of the walls on 12" centers (vertically).

## JOB SAFETY

(Note inspection, violations/actions taken)

Hoses + fittings on the MKIT. U-5 hammer were checked for leakage. A small oil leak was found near the power pack connectors. This fitting was replaced with a new one and no other leakage was detected.

Checked workers for hard hats + steel toe safety boots. All employees and sub contractors were wearing proper safety shoes and helmets.

## REMARKS

(Instructions received, miscellaneous remarks)

All Emergency Gap Closure work should be completed today with the exception of the bond cable installation needed at West Monolith Joints #136-135, #135-134, #134-133, + #133-132. Also, the Temporary Flood Protection to elev. +11.50 will remain in place for now at west B sta. 119+63 → 119+69. (Hammer, power pack, and dozer were moved back to East Bank at Mirabeau → Filmore today.)

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice  
Authorized Q C Representative

8-8-95

Date



## EQUIPMENT

DESCRIPTION	HRR/DEP	SAFETY CHECK	HRS USLD	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	yes
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	6	2	—
KOMATSU EXC. 200 #2	—	No	0	8	—
Case 580 BACKHOE #2	—	yes	2	6	—
WELDING MACHINE	—	yes	3	5	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	No	0	8	—

## MATERIALS RECEIVED

Received 8.5 cubic yards of ready-mix concrete (Mix #44-C) from Lafarge Concrete Company today, and used this material in stabilization slab from west B Sta. 106+00 to Sta. 105+80. Delivery tickets, complete with all batch information, were provided to the Government Inspector today.

TESTS PERFORMED  
(As required by plans/specifications)

NONE TODAY



**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

171

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Friday  
04 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Cloudy with Rain

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 0 %	BORROW EXCAVATION 0 %	EMBANKMENT 0 %	CONCRETE 0 %	STRUCTURE 0 %
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MINIMUM 74°	MAXIMUM 88°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)  
Emergency Breach Closure

24 HOUR PRECIPITATION  
INCHES 0.20" ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-16 hrs	TOTAL 2-16 hrs	LABOR
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FEET 2.20'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-16 hrs	SKILLED 9-71 hrs	LABORERS 3-31 hrs	TOTAL 15-118	FROM 0700 M	TO 1530 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

a. B & K Const. Co., Inc. - BREACH CLOSURE REMOVAL; REINFORCED CONCRETE FLOODWALL

b. \_\_\_\_\_

c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

a) Began removal of the Breach Closures between WB/L Sta's 108+40 & 109+53; Redrove all sheet piles between WB/L Sta's 108+40 & 108+95, and 109+24 & 109+53; Cadwelded cathodic jumpers between W. Monos #110 & #116; Welded #6 rebars to tops of sheet piles for W. Monos #112 thru #121; Set forms & graded for stab slab between WB/L Sta's 105+50 & 106+10; Finishers working on W. Monos #167 thru #170.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02, 03 & 04 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Minor progressive work was performed this date, due to wet ground conditions, and removal of the Breach Closures.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 34.8%

PERCENT TIME ELAPSED: 56.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

BREACH CLOSURE REMOVAL: See "Verbal Instructions" on back of this report.

REINFORCED CONCRETE FLOODWALL: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed this date:

EMERGENCY BREACH CLOSURE REMOVAL: Contractor began removal of the breach closures at approx. 0900 hrs. this date, between WB/L Sta's 108+40 and 109+53. Redrove 46 pcs of CZ-101 X 21'-9" piles back down to the required elev. of +5.75' between WB/L Sta's 108+40 & 108+95, and between WB/L Sta's 109+24 & 109+53. Removed all visqueen and sandbags in the above mentioned closure areas.

REINFORCED CONCRETE FLOODWALL: Observed B&K cadwelding cathodic protection jumpers between W. Monos #110 and #116 (6-jumpers), approx. 8" below proposed bottom elev. (+3.0') of I-Walls. All jumpers installed this date, were coated with Roysten Handicap Epoxy Resin as required. Observed B&K welding #6 rebars to the tops of all sheet piles between W. Monos #112 & #121 for cathodic protection. Observed B&K setting forms and grading for 4" stab slabs between WB/L Sta's 105+50 & 106+10, tops of forms being set at elev. +2.95'. Observed 1-finisher rubbing and patching on surfaces of W. Monos #167 thru #170 this date.

QUALITY CONTROL: Contractor is providing adequate quality control this date.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

At approx. 0900 hrs. this date, SCE, D. Duhon verbally (via phone conversation) informed Mr. M. Tassin of B&K that they may begin removal of the Emergency Breach Closures between WB/L Sta's 108+40 and 108+95, and between WB/L Sta's 109+24 and 109+53, at this time, However, the Breach Closure between WB/L Sta's 119+63 and 119+69, must remain in-place until such time as they (B&K) are ready to begin forming-up and placing concrete for the concrete collar at this location. Mr. Tassin stated that he would concur with these instructions.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**

NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).



**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	7 hrs.	QAR
J. AVETTANT	Const. Insp., GS-04	7 hrs.	QAR

**SAFETY: (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Checked and found concrete finisher wearing hard hat, rubber gloves, and safety glasses while chipping and rubbing surfaces of I-Walls this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT JR.	DATE 08 AUG 95	SUPERVISOR'S INITIALS 	DATE 8/15/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/04/95

REPORT NO.: 219

SKIES: Cloudy - Rain RAIN: 0.20 IN. TEMP.: 74 MIN 88 MAX

DUST: None LEVEE CONDITION: Damp CANAL GAUGE: (2.2) NOISE: Minimal

WORK PERFORMED/LOCATION

B+K Construction - waited until 9:00 AM for the Government to give us the "OKAY" to remove the Temporary Breach Closure sheet piles, sandbags, etc. Mr. Dennis Duhon gave us verbal instructions to go back to work at this time, with no Breach Closure restrictions. The carpenter crew used the MKT V-5 hammer and Mantis Crane to drive CZ-101 sheet piles back down to Normal cut-off elevation (+5.75) at West Monolith #135, #133, and #132. Removed the temporary waterstop and angle iron at same locations as well as visqueen and sandbags. Protection to +11.50 will remain intact at West Sta. 119+63 to 119+69 (Robert E. Lee Blvd tie-in location) until carpenters are ready to form & pour this collar. Re-cut holes in CZ-101 sheets for rebar to pass through at West Monolith #135.

Cadwelded bond cables at West Monolith Joints #116-115, #115-114, #114-113, #113-112, #112-111, and #111-110. Also welded #6 rebar on top of CZ-101 sheets for Cathodic Protection at West Monoliths #121, #120, #119, #118, #117, #116, #115, #114, #113 and #112. Formed and graded stabilization slab from West Sta. 106+10 to Sta. 105+50 (not poured yet). Rain showers finally stopped work at 2:45 PM. Cement finisher completed patching & repairing concrete surfaces at West Mono. #170 and #169. Began finishing West Monoliths #168 and #167 (not completed yet).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
4	Unskilled	31	B+K Const.	Removing Emergency Breach Closure
9	Skilled	71	"	sheet piles, sandbags, etc.;
1	Supt.	8	"	Installing bond cables and welding
1	Q.C. Rep	8	"	#6 rebar to CZ-101 sheet piles for
				cathodic protection; Forming up
				stabilization slab and grading soil
				for 4" slab; Re-cutting holes
				in CZ-101 sheet piles for rebar
				to pass through
				(see Above for Locations)

EQUIPMENT

DESCRIPTION	HRR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	5	3	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe #1	—	yes	5	3	—
Koehring 535 Crane	—	NO	0	8	—
MKT Vibro Hammer	—	yes	6	2	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	6	2	—
KOMATSU EXC. 200 #2	—	NO	0	8	—
Case 580 BACKHOE #2	—	yes	5	3	—
WELDING MACHINE	—	yes	4	4	—
KOEHRING 535 CRANE	—	NO	0	8	—
KOEHRING 405 CRANE	—	NO	0	8	—

MATERIALS RECEIVED

NONE RECEIVED TODAY

TESTS PERFORMED

(As required by plans/specifications)

NONE REQUIRED TODAY

## INSPECTIONS PERFORMED

Inspected the Cathodic Protection work done today on the West Bank. #6 Rebar was clean and free of dirt, oil or debris before being tack welded to the top of each piece of CZ-101 sheet piling (at West I-wall Monoliths #121 through #112). Rebar did not extend through any Monolith Joint, welds were checked, and all found to be acceptable.

Checked the bond cables cadwelded to the CZ-101 Sheet piles on the West Bank today (at Monolith Joints #116-115 through #111-110). Materials used were KALAS MFG. 1/0 HMWPE Cathodic Protection Cable, ERICO PRODUCTS CA#65 Cadwelds, and Royston Handy-Caps (epoxy Coatings). Sheet piles were clean and free of dirt, oil, rust, or debris before attempting the cadwelding of bond cables. Attachment was checked before applying Handy-Caps to make sure that the cables were securely bonded to sheet piles. No backfill material was placed over these cables until the Government Inspector can have a look at them first.

## JOB SAFETY

(Note inspection, violations/actions taken)

checked the reverse alarms on the two Case 580 backhoes and the Fiat-Allis Motor Grader. All three machines had working back-up alarms on board, that were clearly heard whenever the transmissions were shifted to the Reverse position.

## REMARKS

(Instructions received, miscellaneous remarks)

Approximately 6 hours of the day today were spent on removal of Emergency Gap Closure structures. This was true for all employees except for one cement finisher, who spent all day repairing I-wall defective concrete surfaces. There is still some additional work to be done to return the work area to its original state (prior to Emergency Breach Closure work).

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice  
Authorized O C Representative

8-7-95  
Date



**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

170

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Thursday  
03 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 0 %	BORROW EXCAVATION 0 %	EMBANKMENT 0 %	CONCRETE 0 %	STRUCTURE 0 %
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MINIMUM 73°	MAXIMUM 91°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)  
See QAR #167, dtd. 7/31/95

24 HOUR PRECIPITATION  
INCHES 0.20" ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-16 hrs	TOTAL 2-16 hrs	LABOR
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FEET 2.60'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-17 hrs	SKILLED 5-30 hrs	LABORERS 5-32 hrs	TOTAL 12-79 hrs	FROM 0700 M	TO 1600 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (OCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; PREPARING FOR HURRICANE ERIN
- b. \_\_\_\_\_
- c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

a) Contractor secured all material and equipment on-site in preparation for Hurricane Erin; B&K welded #6 rebars to the tops of sheet piles for W. Monos #122 thru #127; Installed cathodic protection jumpers between W. Monos #116/#117, #117/#118, #118/#119, #119/#120, #120/#121, #121/#122, & #122/#123; Set forms and graded for stab slab, WB/L Sta's 106+10 to 106+60.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 01, 02 & 03 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

Minor work was performed by B&K this date, due to very wet ground conditions. No other work was scheduled due to approaching Hurricane Erin.

PERCENT PROJECT COMPLETE: 34.8%

PERCENT TIME ELAPSED: 56.1%

DATE SET FOR COMPLETION: 04 MAY 96

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

EMERGENCY BREACH CLOSURE: No instructions issued.

REINFORCED CONCRETE FLOODWALL: No instructions issued.



**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

The following Follow-Up QA Inspections were performed this date:

EMERGENCY BREACH CLOSURE: Checked and found jobsite to be secured against high winds and waters, due to approaching Hurricane Erin.

REINFORCED CONCRETE FLOODWALL: Checked and found all #6 rebars properly welded to the tops of all sheet piles for cathodic protection, between W. Monos #122 thru #127. Also checked & found that cathodic protection jumpers were properly cadwelded & coated with epoxy resin for each west mono joint between W. Monos #116 & #123 (7 installed this date). Jumpers were welded approx. 8" below proposed bottom elev. of I-Wall Monoliths (+3.0'). Observed contractor setting forms and grading for slab slabs between WB/L Sta's 106+10 and 106+60. No other work scheduled or performed this date, due to approaching Hurricane Erin.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	7 hrs.	QAR
J. AVETTANT	Const. Insp., GS-04	7 hrs.	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Noted that welder was wearing proper face/eye shield and leather gloves while welding.  
No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

  
ZANE D. BRYANT (R.)

DATE

07 AUG 95

SUPERVISOR'S INITIALS



DATE

8/15/95

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/03/95

REPORT NO.: 218

SKIES: Clear → Cloudy P.M. RAIN: 0.20" IN. TEMP.: 73 MIN 91 MAX

DUST: NONE LEVEE CONDITION: Wet CANAL GAUGE: (2.6) NOISE: Minimal

WORK PERFORMED/LOCATION

Btk Construction - Workers spent the first two hours of the day stacking lumber, securing loose materials, and preparing for any high winds or water that may occur later today (due to Hurricane Erin).

Welded #6 bar on top of C2-101 sheet piles for cathodic protection at West Monoliths #127, #126, #125, #124, #123, and #122. Installed bond cables for cathodic protection at West Monolith Joints #123-122, #122-121, #121-120, #120-119, #119-118, #118-117, and #117-116.

Carpenters formed up stabilization slab on the West Bank from station 106+60 to station 106+10, and graded the soil for 4" slab thickness.

Rain showers at 2:00 Pm stopped all work today.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	32	Btk Const.	Stacking and securing loose materials for Emergency work; Cathodic Protection work on the West Bank; Stabilization slab grading + forming.  (see Above)
5	Skilled	30	"	
1	Supt.	8.5	"	
1	Q.C. Rep.	8.5	"	

## EQUIPMENT

DESCRIPTION	HR/DEP	SAFETY CHECK	HRS U <sup>^</sup> D	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	3	5	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	yes	4	4	—
Case 580 Backhoe #1	—	yes	3	5	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	1	7	—
KOMATSU EXC. 200 #2	—	No	0	8	—
Case 580 BACKHOE #2	—	No	0	8	—
WELDING MACHINE	—	yes	4	4	—
KOEHRING 535 CRANE	—	No	0	8	—
KOEHRING 405 CRANE	—	No	0	8	—

## MATERIALS RECEIVED

NONE RECEIVED TODAY

## TESTS PERFORMED

(As required by plans/specifications)

NONE PERFORMED TODAY

## INSPECTIONS PERFORMED

Inspected the cathodic protection work done on the West Bank today. Reinforcing steel (#6 Bars) were tack-welded to the top of each piece of CZ-101 sheet piling at the I-Wall Monoliths (reported on page #1 of this report). Rebar did not extend through the Monolith Joints. Splices at these #6 bars were also tack-welded together. Re-steel was clean, and free of dirt, oil, or other debris.

Inspected the bond cables attached to the CZ-101 sheets today. The 1/0 cathodic Protection cable was attached by a thermic welding process (by ERICO PRODUCTS) to the CZ-101 sheet piles at each side of the Monolith Joints, approximately 5" below btm. of Stabilization Slab. Epoxy caps (Reyston HandyCaps) were used to cover all exposed copper wire. Welds were checked to guarantee that they were securely fastened. Soil was then backfilled over these bond cables to the bottom of seal slab grade (+2.60).

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked the Emergency Breach Closure Sheets, sandbags, etc. All Temporary Protection is complete up to elevation +11.50 and water-tight.

Staging yard and office trailers were also secured. Ready for any bad weather that may occur later today.

## REMARKS

(Instructions received, miscellaneous remarks)

No productive work could be done on July 31<sup>st</sup>, Aug. 1<sup>st</sup>, Aug. 2<sup>nd</sup>, or today Aug. 3<sup>rd</sup>. We will be waiting on the instructions to return to work and remove the Temporary Flood Protection tomorrow.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.

Jerry Justice  
Authorized Q C Representative

8-4-95  
Date

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

169

TO Area Engineer,  
CELMN-CD-NO

COPY TO: C/Const. Div.  
CELMN-CD

DATE Wednesday  
02 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 0 %	BORROW EXCAVATION 0 %	EMBANKMENT 0 %	CONCRETE 0 %	STRUCTURE 0 %
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MINIMUM 74°	MAXIMUM 93°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)  
See QAR #167 for 07/31/95

24 HOUR PRECIPITATION

INCHES 0.00"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 1-3 hrs	OFFICE	LAYOUT	INSPECTION 2-19 hrs	TOTAL 3-22 hrs	LABOR
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FEET 3.20'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-21½ hrs	SKILLED 8-76 hrs	LABORERS 4-36 hrs	TOTAL 14-133½	FROM 0700 M	TO 1900 M	FROM M	TO M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

a. B & K Const. Co., Inc. - EMERGENCY BREACH CLOSURE

b. \_\_\_\_\_

c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

a) Completed all Breach Closures this date on West levee.

Days of no work and reasons for same:

100% of days lost due to adverse weather on 01 & 02 Aug 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

No progressive work was performed this date, due to work being performed on the Emergency Breach Closures.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 34.8%

PERCENT TIME ELAPSED: 56.0%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phase this date:

EMERGENCY BREACH CLOSURE: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS CQC ACTIVITIES**

The following QA Inspections were performed this date:

EMERGENCY BREACH CLOSURE: Observed contractor completing all closures by sealing all joints by welding, installing rubber seals with 3" angle iron, and sandbagging. Also observed the placement of fill material on the protected side of the new sheet piles, up to approx. elev. +4.0', between approx. WB/L Sta's 109+24 & 109+53, and 108+40 & 108+95. All emergency closures are complete as of 1800 hrs. this date.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

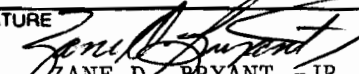

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
C. WAGNER	Civ. Engr., GS-11	3 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	10 hrs.	QAR
J. AVETTANT	Const. Insp., GS-04	7 hrs.	QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Noted back-up alarm working properly on the Komatsu D37P Dozer this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 07 AUG 95	SUPERVISOR'S INITIALS 	DATE 8/15/95
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# QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:** Observed contractor personnel  
completing emergency closure work between w/2  
Sta. 108+40 to 109+53. Contractor had welded  
shafts together with the existing shafts, welded  
angle iron w/ waterstop @ tie-in points & placed  
sand bags to el. 6-75' at all closure links  
for reinforcement protection. Also observed them  
embankment material against shaft piles to el. 4.0'  
for stability purposes.

**Instructions to COC/Remarks:** N/A.

Chris J. Wagner Proj Engr  
Name Title





QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	yes	6	4	-
Komatsu D37P Dozer	-	yes	4	6	-
Kubota 151 Excavator	-	NO	0	8	-
Case 580 Backhoe #1	-	yes	8	2	-
Koehring 535 Crane	-	NO	0	8	-
MKT Vibro Hammer	-	yes	3	7	-
Fiat-Allis MotorGrader	-	NO	0	8	-
Mantis 3612 Crane	-	yes	5	5	-
Komatsu Excavator 200 #2	-	NO	0	8	-
Welding Machine	-	yes	8	2	-
Case 580 Backhoe #2	-	yes	5	5	-
Koehring 535 Crane	-	NO	0	8	-
Koehring 405 Crane	-	NO	0	8	-

MATERIALS RECEIVED

NONE RECEIVED TODAY

TESTS PERFORMED

(As required by plans/specifications)

NONE PERFORMED TODAY

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED

Inspected the Temporary Flood Protection on the West Bank between station 119+69 and Sta. 102+00. Sheet piles were pulled up to elev. +11.50 in the areas where existing protection had been removed for construction of I-Wall. Tie-ins to new concrete and old concrete/sheet piling walls were watertight to the best of our ability! (waterstop, Ramneck sealant, and sandbags were used to accomplish this work. (Sheet piles at west Manolith #135 had to be pulled up approx. 0.5' higher as they were found to be at only elev. +11.00 this morning when inspected.) Existing levee soil was pushed against the Land Side of the CZ-101 sheet piles with the Komatsu dozer, up to elev. +4.00, and compacted with the dozer by 4 to 5 passes over each 6" lift.

JOB SAFETY

BTK Const. employees were notified to be on stand by tonight, in case a need arises here on the London Avenue Canal. Telephone and pager numbers are on file here at BTK Construction's field office. Equipment was boomed down and secured in case of high winds overnight. Employees are expected to report for work tomorrow unless weather prohibits.

REMARKS

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice  
Authorized Q C Representative

8-3-95  
Date

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
168

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Tuesday  
01 August 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Cloudy with Rain

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION 0 %	BORROW EXCAVATION 0 %	EMBANKMENT 0 %	CONCRETE 0 %	STRUCTURE 0 %
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TEMPERATURE  
MINIMUM 74° MAXIMUM 90°

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)  
See QAR #167, for 7/31/95

24 HOUR PRECIPITATION  
INCHES 0.30" ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY 1-7 hrs	OFFICE	LAYOUT	INSPECTION 2-19½ hrs	TOTAL 3-26½ hrs	LABOR
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Canal RIVER STAGE  
FEET 3.60' TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-20½ hrs	SKILLED 9-91 hrs	LABORERS 6-55 hrs	TOTAL 16-166½	FROM 0700 M	TO 1830 M
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NUMBER OF SHIFTS

1  2  3  
FROM TO FROM TO FROM TO  
M M M M M M

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - EMERGENCY BREACH CLOSURE
- b. \_\_\_\_\_
- c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

a) Continued to work on the Emergency Breach Closure on the west levee between WB/L Sta's 108+40 and 119+65.

Days of no work and reasons for same:

100% of day lost due to adverse weather on 01 August 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

No progressive work was performed this date, due to work being performed on the Emergency Breach Closure.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 34.8%

PERCENT TIME ELAPSED: 55.8%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phase this date:

EMERGENCY BREACH CLOSURE: No instructions issued.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS CQC ACTIVITIES**

The following QA Inspections were performed this date:

**EMERGENCY BREACH CLOSURE:** Observed contractor using the Mantis 3612 Crane with the V-5 vibratory hammer to pull up the new CZ-101 X 21'-9" piles from the +5.75' elev. which they were driven previously, up to elev. +11.50' as required for the Emergency Breach Closure, between WB/L Sta's 108+40 & 108+82, and between WB/L Sta's 109+24 & 109+53. Contractor attached 3"X3" angle iron with rubber seals to I-Wall Monoliths at approx. WB/L Sta's 119+63 and 108+95, to provide adequate water seals at these joints. Angle irons were welded to the sheet piles (100%), and were anchored to the I-Wall monoliths with anchor bolts placed 12" on center. Contractor placed visqueen and sandbags on both sides of the Closure between WB/L Sta's 119+63 & 119+69, from elev. +3.00' to +6.50'. This closure is completed. Contractor welded small plugs over holes cut in sheet piles for resteel installation. Contractor drove 2 pcs of CZ-101 X 21'-9" piles to complete the tie-in of the closure wall at approx. WB/L Sta. 108+40 (between new sheet piles and existing sheet piles).

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**

NONE

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).



**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
C. WAGNER	Civ. Engr., GS-11	7 hrs.		PE
Z. BRYANT	Const. Insp., GS-07	10½ hrs.		QAR
J. AVETTANT	Cosnt. Insp., GS-04	7 hrs.		QAR

**SAFETY (include any infractions of approved safety plan, safety manual or instructions from Government personnel Specify corrective action taken.)**

Noted all personnel wearing hard hats and rubber boots this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE B. BRYANT JR.	DATE 07 AUG 95	SUPERVISOR'S INITIALS 	DATE 8/14/95
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### QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:** Observed contractor personnel  
continuing to close gaps as part of emergency  
closure work. Contractor pulled shafts back to  
el. 11.50' in addition to welding angle iron with  
waterstop to existing shaft piles to complete tie-ins.  
Sand bags were then placed around tie-ins to  
complete seal. This was done near tie-in  
@ Robert E. Lee with additional work  
needed between Sta. 108+40 to 109+53 to  
be completed tomorrow.

**Instructions to COC/Remarks:** None given.

Chris J. Wagner Proj Engr  
Name Title

QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 8/01/95

REPORT NO.: 216

SKIES: cloudy - Pt. Cloudy RAIN: 0.30" IN. TEMP.: 74 MIN 90 MAX

DUST: NONE LEVEE CONDITION: Wet CANAL GAUGE: (3.6) NOISE: moderate

WORK PERFORMED/LOCATION

B+K Construction - No productive work performed due to the Emergency Gap Closure work in progress, and saturated soil on the levee.

The MKT V-5 Vib. Hammer was used to pull up new CZ-101 sheet piles at West Monoliths #135, #133, and #132 to elevation +11.50. One pair of CZ-101 sheets was then driven perpendicular to the I-wall to close the gap between existing Hoodwall and CZ-101 Temporary Closure sheets. Angle iron and sheet pile pieces were welded into place (with waterstop sandwiched in between) to make tie-ins watertight. Welded plates over holes in sheet piles previously burned for passing #6 rebar through. Sandbagged the land side of sheet pile closure at the tie-in at West B Sta. ±119+65. Some work still remains to secure tie-ins (welding and sand bagging) and this will be done tomorrow A.M.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	55	B+K Const.	EMERGENCY BREACH CLOSURE
8	Skilled	81	"	WORK ONLY TODAY.
1	Supt.	11	"	
1	Q.C. Rep	9.5	"	
1	welder	10	Lloyd's Welding	Emergency Breach Closure Work - welding + Burning.



QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	8	2	—
Komatsu D37P Dozer	—	yes	4	6	—
Kubota 151 Excavator	—	NO	0	8	—
Case 580 Backhoe #1	—	yes	4	6	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	yes	8	2	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	8	2	—
KOMATSU EXCAVATOR #2	—	No	0	8	—
Welding Machine	—	yes	8	2	—
CASE 580 BACKHOE #2	—	yes	2	8	—
Koehring 535 Crane	—	No	0	8	—
Koehring 405 Crane	—	NO	0	8	—

MATERIALS RECEIVED

Received 60 l.f. of 3" X 3" X 1/4" angle iron from Orleans Materials + Equipment Company today for Emergency Breach Closure.

TESTS PERFORMED

(As required by plans/specifications)

NONE PERFORMED TODAY

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED

Inspection of Temp. Breach Closure at West B Sta. 119+63 → 119+69 revealed the following: New and existing sheet piles were pulled up to elev +11.50 and fully interlocked. Sheet pile pieces were welded at each side of this gap with waterstop and/or ramneck to make these tie-in locations water-tight, then wedge anchors were installed to secure angle iron + waterstop against the new I-wall. Sand-bags + visqueen were placed behind these sheet piling (Land Side) up to approx. elev. +7.50.

At West I-wall Monolith #135, sheet piling were pulled up to approx. elev. +11.50, and no other work was done here, as we may still attempt to pour concrete at this monolith tomorrow. At West Monoliths #133 and #132, C2-101 sheets were also pulled up to elev. 11.50, plates were welded over holes in sheets (for rebar to pass through), slots at monolith joints were welded shut, and tie-ins were welded + bolted shut with waterstop in between. Still some work remaining at the southern-most tie-in (± West B Sta. 108+40), and at each end of West Monolith #135, to make these locations water-tight. This work will be completed tomorrow before noon.

JOB SAFETY

Checked Rigging on V-5 vibratory hammer being lifted by Mantis Crane today. Wire rope slings were in good condition. Screw pin anchor shackles were wired shut to prevent loosening.

Checked for fire extinguishers at welding and burning operations. A 5 lb. ABC type extinguisher was on hand at both welding + burning locations - fully charged.

REMARKS

On Monday afternoon (7-31-95), the Corps of Engineers gave us the option (verbal instructions from Chester Ashley + Dennis Duhon) to either pour concrete wall at West Monolith #135 today (8-1-95), or close up the 29' gap there with sheet piling. Due to sloppy soil conditions and A.M. Rain showers, Mike Tassin decided not to attempt the concrete pour today. Thus, B+K Construction went ahead with the steel sheet piling closure.

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.

Jerry Justice

Authorized Q C Representative

8-2-95

Date

**INSPECTORS QUALITY ASSURANCE REPORT (QAR)  
DAILY LOG OF CONSTRUCTION - CIVIL  
(ER 415-1-302)**

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
167

TO Area Engineer, COPY TO: C/Const. Div.  
CELMN-CD-NO CELMN-CD

DATE Sat., Sun. & Mon.  
29, 30 & 31 July 1995

PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal,  
Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.

CONTRACT NUMBER  
DACW29-94-C-0079

CONTRACTOR (Or hired labor) B & K Construction Company, Inc.  
1905 Highway 59, Mandeville, La. 70448

WEATHER  
Cloudy with Rains

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION 0/0/0 %	BORROW EXCAVATION 0/0/0 %	EMBANKMENT 0/0/0 %	CONCRETE 0/0/0 %	STRUCTURE 0/0/0 %
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TEMPERATURE	
MINIMUM 72°	MAXIMUM 86°

HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 3.70"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY 4-22 hrs	OFFICE	LAYOUT	INSPECTION 2-19½ hrs	TOTAL 6-41½	LABOR
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Canal RIVER STAGE	FEET 4.80' to 4.20'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-34½ hrs	SKILLED 6-62 hrs	LABORERS 7-77 hrs	TOTAL 15-173½
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NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
FROM 0700 M	TO 2100 M	FROM M TO M

Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - No Progressive Work This Period. Emergency Breach Closure
- b. \_\_\_\_\_
- c. \_\_\_\_\_

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)

a) Worked on Emergency Breach Closure for the West Levee, between WB/L Sta's 108+45 and 119+69.

Days of no work and reasons for same:

50% of days lost due to adverse weather on 10 & 14 July 95.  
100% of days lost due to adverse weather on 31 July 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.

No progressive work was performed this period. However, B&K worked on Sun., 7/30/95 to provide flood protection to +6.75', and work on Mon., 7/31/95 on the Emergency Breach Closure on the west levee.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 34.8%  
PERCENT TIME ELAPSED: 55.7%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phase on Mon., 31 July 95:  
EMERGENCY BREACH CLOSURE: See "Verbal Instructions" on back of this report.

**RESULTS OF QA INSPECTIONS AND TESTS, DEFICIENCIES OBSERVED, ACTIONS TAKEN AND CORRECTIVE ACTION OF CONTRACTOR INCLUDE COMMENT PERTAINING TO CONTRACTORS QCC ACTIVITIES**

See attached PE's QA Supplemental Report for details of Inspections performed on Sun., 30 July 95.

The following QA Inspections were performed on Mon., 31 July 95:

**EMERGENCY BREACH CLOSURE:** Contractor mobilized 1-V5 vibratory hammer with power pack, and 1-Komatsu D37P dozer from EB/L Sta. 75+00 to WB/L Sta. 119+65, this date. Observed contractor using the Komatsu 200 Excavator with the V-5 vibratory hammer to pull the new piles between WB/L Sta's 119+63 & 119+69, up from elev. +5.75' to +11.50' as required. Observed contractor using the Mantis 3612 Crane with V-5 vibratory hammer to pull up the new piles between WB/L Sta's 108+85 & 108+95, from elev. +5.75' to +11.50'. Observed contractor removing the existing concrete between WB/L Sta's 108+40 & 108+80 due to this reach already being cut off at elev. +6.75'. Observed the removal of #6 rebars from the tops of the new sheet piles for W. Monos #131, #132, #133 & #135 (cathodic protection), and the removal for all bottom resteel for W. Mono #132 and part of the bottom resteel for W. Mono #135. This was done due to having to pull the piles in these areas for the Breach Closure. Work on this Breach Closure will resume on Tue., 01 Aug 95.

**VERBAL INSTRUCTIONS GIVEN TO CONTRACTOR (include names, reactions and remarks)**

At approx. 1430 hrs. this date., ACO, C. Ashley instructed Mr. M. Tassin and Mr. J. Justice of B&K to begin their Emergency Breach Closure Plan for the West Levee, between WB/L Sta's 108+40 and 119+70. All areas in this reach below the elev. of +11.50' will be raised to provide flood protection to the elevation of +11.50' as soon as possible. Messrs. Tassin and Justice agreed to concur, and began work ASAP.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS:**

**NOTE:** Work on the Emergency Breach Closure Plan began at approx. 1430 hrs. this date, due to the impending approach of Hurrigan Erin.

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (~~date~~/period).

**REMARKS. (include visitors to project and miscellaneous remarks pertinent to work)**

**GOVERNMENT PERSONNEL ON SITE**


<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
C. ASHLEY	Area Engineer, GM-14	2 hrs.	ACO
T. BERNARD	Asst. A/E, GS-13	2 hrs.	Ast. A/E
D. DUHON	Suprv. Civ. Engr., GS-12	3 hrs.	SCE
C. WAGNER	Civ. Engr., GS-11	15 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	11½ hrs.	QAR

**SAFETY: (include any violations of approved safety plan, safety hazards or inspection items, deficiencies, safety corrective action taken)**

J. AVETTANT Const. Insp., GS-04 8 hrs. QAR

**SAFETY:** Checked and found all personnel on site wearing hard hats and rubber boots due to the wet ground conditions from rain falls.

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE  ZANE P. BRYANT JR.	DATE 02 AUG 95	SUPERVISOR'S INITIALS ye	DATE 8/9/95
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## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:** Observed personnel close & fill bolt holes that had been cut to facilitate formwork for tie-ins @ Robert E. Lee & Pumping Sta. # 9 on the east side. Bolts, nuts, washers & expansion joint material were used to seal the leaks. Sand bags were then placed to reinforce the temporary protection on both the east & west bank tie-ins. Also checked the silt fencing on both sides of canal & found it holding back excessive amounts of runoff that occurred due to high tides & rainfall.

**Instructions to COC/Remarks:** Instructed Mike Tassin to seal leaks @ the tie-ins & place sand bags to prevent water from leaking thru the existing flood protection of 675'. He agreed & did work as instructed.

Chris J. Wagner  
Name

Proj Engr  
Title


## QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed personnel mobilizing equipment & manpower to close gaps in the existing flood protection on west side of canal. Observed the pulling of previously driven sheet piling back up to el. 11.5 & the removal of material that had been placed previously for future monies. Also observed personnel begin filling sand bags to be placed at all tie-in points.

Instructions to COC/Remarks: Informed Supt. Mike Tassin to begin preparations for emergency closure work on west side of canal. Instructions were then given by Christie Ashley to close all gaps in the existing flood protection in order to provide protection to - El. 11.5'

Chris Wagner  
Name

Proj Engr  
Title


**QUALITY CONTROL REPORT**  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 7/31/95

REPORT NO.: 215

SKIES: Cloudy-Rain

RAIN: 0.70" IN. TEMP.: 72 MIN 86 MAX

DUST: NONE

LEVEE CONDITION: Wet CANAL GAUGE: (4.2) NOISE: Minimal

WORK PERFORMED/LOCATION

B&K Construction - The Corps of Engineers (Dennis Duhon and Chris Wagner) instructed us to mobilize all equipment necessary for Emergency Breach Closure to the West Bank, station 109+00 today. Laborers began filling sand bags for Emergency Breach Closure, just in case. Operators dressed roadway at East Bank between Mirabeau + Filmore, then mobilized the Komatsu P37-P dozer and the M.K.T. V-5 Vib. Hammer to the west Bank at Robert E. Lee Blvd.

Later in the day B&K Construction was instructed by Mr. Chester Ashley of the Corps of Engineers to begin pulling up new and existing sheet piles (on the West Bank between Robert E. Lee Blvd. and Pump. Sta. #4) as required to bring the Flood Protection up to elev. +11.50. Crew pulled up existing sheet piles at West B Sta. 119+65 to 119+69 (a one foot gap at sta. 119+64, and this will be closed tomorrow). Equipment was then moved to approx. west B Sta. 108+50, and new CZ-101 sheet piles were pulled up to +11.50 from West B Sta. 108+95 to 108+85 (approximate). Next, the previous cut-off existing floodwall monolith between west B 108+40 and 108+80 was pushed over to fall on the Canal side, to make room for sheet pile pulling work in this area tomorrow.

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	48	B&K Const.	Mobilizing equipment for possible
7	Skilled	56	"	Emergency Breach Closure; Filling
1	Supt.	11	"	sand-bags for same; Pulling
1	Q.C. Rep.	9.5	"	up sheet piling to elev. +11.50
				for Emergency Breach closure
				(directed to do so at approx. noon tod.
				No productive work done today
				due to rain + wet soil,
3	skilled	3	Arcadia Rebar	Rain stopped re-steel work at
				7:30 Am today,



QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	8	2	—
Komatsu D37P Dozer	—	yes	3	7	—
Kubota 151 Excavator	—	NO	0	10	—
Case 580 Backhoe #1	—	yes	6	4	—
Koehring 535 Crane	—	NO	0	10	—
MKT Vibro Hammer	—	yes	5	5	—
Fiat-Allis MotorGrader	—	NO	0	10	—
Mantis 3612 Crane	—	yes	7	3	—
Komatsu Exc. 200 #2	—	NO	2	8	—
Welding Machine	—	NO	0	10	—
Case 580 Backhoe #2	—	yes	3	7	—
Koehring 405 crane	—	NO	0	10	—
Koehring 535 Crane	—	NO	0	10	—

FOR Emergency Breach Closure Work..... MATERIALS RECEIVED

Received 12 cubic yards of masonry sand for filling sand bags today from Gats Masonry Products. (River sand was unavailable due to inclement weather and short notice of request for sand.) Also received 300 poly sand-bags for Emergency Gap Closure work.

TESTS PERFORMED  
(As required by plans/specifications)

NONE PERFORMED TODAY

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED

#6 Rebar previously welded on top of C2-101 sheet piles at West Monoliths #135, #133, #132 and part of #131 was cut off and removed to facilitate the pulling of sheet piles at these monoliths. Obviously, the bond cables at these monolith joints were pulled apart, and will have to be re-attached later. This was done at the direction of the Corps of Engineers, as well as the removal of bottom reinforcing steel at West Monoliths #132 (complete) and #135 (partially complete). I-wall forms and pre-tied re-steel mats had to be relocated to make room for Emergency Breach Closure work.

No productive work performed today due to rain and wet soil.

JOB SAFETY

Checked workers for hard hats and safety boots - No violations of these required personal protection items were noted.

Flagmen were equipped with orange safety vests and flags to direct & stop traffic on Robert E. Lee Blvd. and Mirabeau Avenue, during the movement of trucks & equipment.

REMARKS

Received verbal instructions from Mr. Dennis Duhon of the U.S. Army Corps of Engineers today to begin mobilization of Emergency Breach Closure equipment. Mr. Duhon instructed us to pull up existing sheet piles at West B sta. 119+65 to elev. +11.50 to close this small gap. B&K will attempt to pour concrete at West Monolith #135 tomorrow, leaving only a ±55' gap to be closed up with sheet piling between sta. 108+95 and sta. 108+40. Mr. Chester Ashby approved pulling up the new C2-101 sheets to accomplish this gap closure around noon today (work to begin today).

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except as noted.

Jerry Justice  
Authorized Q C Representative

8-1-95  
Date



QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	YES	3	11	—
Komatsu D37P Dozer	—	NO	0	8	—
Kubota 151 Excavator	—	NO	0	8	—
Case 580 Backhoe #1	—	YES	8	6	—
Koehring 535 Crane	—	NO	0	8	—
MKT Vibro Hammer	—	NO	0	8	—
Fiat-Allis MotorGrader	—	NO	0	8	—
Mantis 3612 Crane	—	NO	0	8	—
Komatsu Excavator 200 #2	—	NO	0	8	—
Welding Machine	—	NO	0	8	—
Case 580 Backhoe #2	—	NO	0	8	—
Koehring 535 Crane	—	NO	0	8	—
Koehring 405 Crane	—	NO	0	8	—

MATERIALS RECEIVED

NONE RECEIVED

TESTS PERFORMED

(As required by plans/specifications)

NONE PERFORMED

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED

Supt. Mike Tassin inspected the Temporary Flood Protection on the West Bank of the Canal between Robert E. Lee Blvd. and Pumping station #4. Sand bags were needed at the Robert E. Lee tie-in location. These were added up to  $\pm$  elev. 7.00. Sandbags + clay were used to close off the gap between the new I-Wall and the old wall at each end of the work area as well, to stop any seepage that might occur.

JOB SAFETY

Checked silt fences along East and West Bank between Robert E. Lee Blvd. and Pump. Station #4. No failures were noted. No sign of sediment run-off was observed on any private property.

REMARKS

I certify to the best of knowledge that this report is complete and correct; and that all work methods, materials and equipment are in compliance with plans and specifications except at noted.

Jerry Justice  
Authorized Q C Representative

7-31-95  
Date