

A0006553

**TFG FILES INVENTORY**  
**DATE: 12-15-05**

Box Number: 49285541

Alternate Number: 15

Other Identification: LN191

Contents Associated With:

2. 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.

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

THE QAR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER 136 **A6553**

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

DATE Friday  
02 June 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%
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TEMPERATURE	
MINIMUM 72°	MAXIMUM 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 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-7 hrs	TOTAL 1-7 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 7-56 hrs	LABORERS 8-64 hrs	TOTAL 17-136	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. - STRUCTURAL EXCAVATION; REINFORCED CONCRETE FLOODWALL
- 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) Performed structural excavation between WB/L Sta's 114+50 to 115+00; Welded #6 rebars to tops of sheet piles for cathodic protection on West Monos #165, #166, #167, #169 and #170; Completed forming for Concrete Collar at EB/L Sta. 102+67.
- b) Drove 18 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 116+74.78 and 117+07.25

Days of no work and reasons for same:

50% of day lost due to adverse weather on 01 June 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. See attached CQC Report for details.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 21.6%  
PERCENT TIME ELAPSED: 48.7%

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.

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:** Observed carpenters completing the forming for the Concrete Collar Tie-In at EB/L Sta. 102+67. Forms set in accordance with shop drawings. Observed a welded welding #6 rebars to the tops of all sheet piles for new I-Walls on West Monos #165, #166, #167, #169, #170 and #171 (tie-in) for cathodic protection as required. Skipped Mono #168 because Subcontr. has to correct top elevation of sheet piles which were approx 1½" out of tolerance. This deficient item was corrected by COB this date.

**STRUCTURAL EXCAVATION:** Observed contractor using 1- 200 Komatsu excavator to excavate a 6' wide trench in the existing levee crown for I-Wall construction between approx. WB/L Sta's 114+50 and 115+00. Excavated material was placed on L/S slope of levee to widen levee for access, and excess material was stockpiled on the F/S of existing concrete capped floodwall.

**STEEL SHEET PILES:** Observed Gill driving approx. 18 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 116+74.78 and 117+07.25, to a top elev. of +5.75' as required, except for the 4 piles and each monolith joint and these piles were driven to a top elev. of +5.00' as required. Observed subcontr. raising 6 pcs of CZ-101 piles located at Mono #168 to within tolerance

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

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

PE, C. Wagner and QAR, Z. Bryant informed CQC Rep's M. Tassin and J. Justice verbally this date, they are not to begin removal of the existing concrete capped floodwall until the Emergency Breach Closure Plan has been submitted and approved. Messrs. Tassin and Justice both agreed to concur.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

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

**NOTE:** Contractor received all resteel for first 18 monoliths on the west levee between WB/L Sta's 114+43.86 and 119+63.43, and for the Concrete Collar Tie-In at WB/L Sta. 119+63.

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

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

Noted welder wearing proper eye protection, leather gloves, hard hat and safety boots this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

*Zane D. Bryant, Jr.*  
ZANE D. BRYANT, JR.

DATE

16 June 95

SUPERVISOR'S INITIALS

*GW*

DATE

6/19/95



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

DATE: 06/02/95

REPORT NO.: 172

SKIES: Pt. Cloudy RAIN: 0 IN.        TEMP.: 72 MIN. 92 MAX.

DUST: None LEVEE CONDITION: Wet CANAL GAUGE: (2.2) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Welded #6 Rebar on top of CZ-101 Sheet Piles on the West Bank at West Monolith's #170, #169, #167, #166, and #165 (Monolith #168 skipped until Pile driving crew corrects a problem with cut-off elevation). Also welded #6 Rebar at collar (West Monolith #171). Unloaded Reinforcing Steel from LULICH STEEL for the first 18 Monoliths of I-Wall on the West Bank (Station 119+63.43 to station 114+43.86), and for West Monolith #171 (collar). Operator performed Structural Excavation on the West Bank from Station 115+00 to Station 114+50. Carpenters completed forming Concrete collar at East B/L Station 102+67. Surveyors worked on I-Wall layout between West B/L Station 115+00 and 100+00.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the West Bank from Station 117+07.25 to Station 116+74.78. (18 pieces at 21'9" long each piece.) Also went back to West Monolith #168 and corrected the cut-off elevation on 3 pairs of Sheet Piling.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	56	B & K	Excavating for I-Wall placement; unloading Re-Steel for I-Wall Monoliths; welding #6 Rebar for Cathodic Protection; forming Concrete collar; laying out I-Wall Centerline. (See above for locations.)
5	Skilled	40	"	
1	Supt.	8	"	
1	Q.C. Rep.	8	"	
2	Skilled	16	GILL'S	Driving CZ-101 Sheet Piling on the West Bank. (See above for location.)
1	Unskilled	8	CRANE	

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
KOMATSU 200 EXCAVATOR	-	Yes	5	3	-
KOMATSU D37 DOZER	-	Yes	4	4	-
KUBOTA 151 EXCAVATOR	-	Yes	3	5	-
CASE 580 BACKHOE	-	Yes	3	5	-
KOEHRING 535 CRANE	-	Yes	8	0	-
MKT VIBRATORY HAMMER	-	Yes	6	2	-
FIAT-ALLIS MOTOR GRADER	-	Yes	2	6	-
MANTIS CRANE	-	Yes	3	5	-
WELDING MACHINE	-	Yes	5	3	-

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING -Monitored vibrations caused by Sheet Pile driving and construction equipment today. No excessive vibrations were recorded today. Results will be furnished only to the ORLEANS LEVEE BOARD.

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MATERIALS RECEIVED

Received Reinforcing Steel from LULICH STEEL COMPANY for the first 18 Monoliths of I-Wall on the West Bank (West Monoliths #170 through #153) and for the collar at West B/L Station 119+63 (#171).

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QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Checked cut-off elevation of CZ-101 Sheet Piles on the West Bank today at all Monoliths. Monolith #168 had 3 pairs of CZ-101 that were out of tolerance. These pairs were driven down to within 1" of required cut-off elevation of +5.75. No other problems were noted with Sheet Pile cut-off grades.

Checked elevations at Structural Excavation. Bottom of the Excavation was found to be +2.65 approximately. Material being Excavated appeared suitable for use in Structural backfill and embankment, however, there is a substantial amount of rubble buried in the existing Levee being excavated now. This rubble consists mainly of broken Concrete, brick, and rock, and was not placed here or left here by this contractor (B & K CONSTRUCTION)

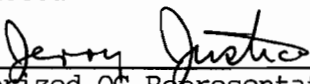
JOB SAFETY  
(Note inspection, violations/actions taken)

Checked for pollution of the soil by oils, fuels or other contaminants. No signs of oil/fuel spills were observed. Waste oils were disposed of in a 55 gallon drum clearly marked "WASTE OILS", which will be recycled by INTERNATIONAL OIL SERVICE when the drum is filled. Empty grease cartridges and oil containers were disposed of in waste containers for garbage collection.

REMARKS  
(Instructions received, miscellaneous remarks)

No breaking or removal of existing Concrete Floodwall is to be attempted by B & K CONSTRUCTION until the Emergency Breach Closure (or Gap Closure) plan has been submitted, approved, and the Steel Sheet Piling to be used for this Gap Closure are on-site, per Mr. Chris Wagner & Mr. Zane Bryant. (Construction of new I-Wall is contingent upon removal of old Floodwall.)

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.

  
Authorized QC Representative

06/03/95  
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  
135

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

DATE Thursday  
01 June 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 50 %	BORROW EXCAVATION 50 %	EMBANKMENT 50 %	CONCRETE 50 %	STRUCTURE 50 %
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TEMPERATURE	
MINIMUM 72°	MAXIMUM 85°

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

24 HOUR PRECIPITATION	
INCHES 1.90"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-7 hrs	TOTAL 1-7 hrs	LABOR
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RIVER STAGE	
FEET 2.40'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-6½ hrs	SKILLED 9-27 hrs	LABORERS 5-15 hrs	TOTAL 16-48½
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NUMBER OF SHIFTS

FROM 0700 M TO 1030 M		FROM M TO M		FROM M TO M	
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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. - STRUCTURAL EXCAVATION; REINFORCED CONCRETE FLOODWALL
- 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) Performed structural excavation between WB/L Sta's 115+00 & 115+50; Continued forming for Concrete Collar Tie-In at EB/L Sta. 102+67; Refurbishing forms in staging area.
- b) Drove 14 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 117+07.25 & 117+32.50.

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tides on 01 June 95.

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

Progressive work was performed by B&K and Gill, this date, until heavy rains shut-down all operations at approx. 1000 hrs.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 21.4%  
PERCENT TIME ELAPSED: 48.5%

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.
- 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 COC ACTIVITIES**

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

**REINFORCED CONCRETE FLOODWALL:** Observed carpenters continuing to form-up for the Concrete Collar Tie-In at approx. EB/L Sta. 102+67. Also observed carpenters refurbishing I-Wall forms in the North Staging Area.

**STRUCTURAL EXCAVATION:** Observed B&K using a Komatsu 200 Excavator to excavate a trench approx 6' wide in the existing levee crown, beginning at the existing sheet piles and cutting toward the L/S. Bottom elev. of trench is at approx. elev. +2.60', as required for the bottom of the stabilization slab, between WB/L Sta's 115+00 and 115+50. Excavated material was placed on the L/S of excavation to widen out the existing levee crown for access, and excess material was stockpiled on the F/S of the existing floodwall.

**STEEL SHEET PILES:** Observed Gill driving 14 pcs of CZ-101 X 21'-9" sheet piles between WB/L Sta's 117+07.25 and 117+32.50, down to an approx. top elev. of +5.75' as required, except for the four (4) piles at proposed monolith joints and these piles were driven down to a top elev. of +5.00' as required. Checked and found all piles to be within tolerance on plumbness and alignment.

**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:** All operations were shut-down at approx. 1000 hrs. this date, due to very heavy rain-fall. Contractor will resume work on Fri., 02 Jun 95, weather permitting.

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


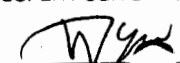
**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Cosnt. Insp., GS-07	6 hrs.	QAR

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

Checked and found all personnel on site to be wearing hard hats and safety footwear.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 12 JUN 95	SUPERVISOR'S INITIALS 	DATE 6/14/95
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QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	Yes	2	6	-
Mantis Crane	-	Yes	2	6	-
Kubota 151 Excavator	-	Yes	1	7	-
Komatsu D-37 Dozer	-	Yes	2	6	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	Yes	3	5	-
MKT V-5 Vibratory Hammer	-	Yes	3	5	-
Welding Machine	-	No	0	8	-
Motor Grader	-	No	0	8	-

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING - Performed vibration monitoring on the West Bank at ± Station 117+50 adjacent to Sheet Pile driving operations. Results will be furnished to the ORLEANS LEVEE BOARD only.

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MATERIALS RECEIVED

NONE RECEIVED TODAY.

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QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Structural Excavation performed on the West Bank today. The bottom of the Excavation was elevation + 2.60, controlled by a Laser Level. Alignment of the Excavation was 2.5' each way from C/L of I-Wall, controlled by offset marks on the existing Floodwall. The material from Excavation was placed partly on the Canal side and partly on the Land Side. There was a substantial amount of shells, rocks, and broken brick in the Excavated soil. This debris was not from B & K CONSTRUCTION'S activities, but was existing in the soil upon Excavation.

Also inspected the CZ-101 Sheet Piling work completed today. Piles were 21'9" long, driven in pairs, to a cut-off elevation of + 5.75. Plumbness was within 1/8" per foot in both directions. Alignment was the C/L of the new I-Wall, plus or minus 0.10'.

JOB SAFETY  
(Note inspection, violations/actions taken)

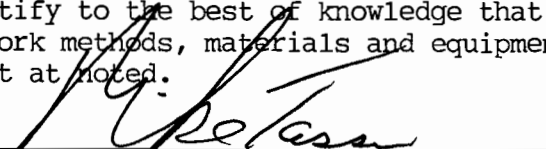
Checked the Levee for plastic and paper trash from the Contractor's personnel. Laborers were asked to pick up all debris on the Levee. This trash was thrown in garbage cans at the office for collection.

Checked workers for hard hats on the jobsite. All employees were wearing approved safety helmets while in the work area.

REMARKS  
(Instructions received, miscellaneous remarks)

We are requesting 100% Lost Production for 06/01/95, 05/31/95, and 05/30/95 due to rain and wet soil on the Levee.

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.

  
Authorized QC Representative

06/02/95  
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  
134

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

DATE Wednesday  
31 May 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 Lt. 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 90°
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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	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-6 hrs	TOTAL 1-6 hrs	LABOR
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FEET 2.50'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1  2  3

SUPERVISORY 2-18 hrs	SKILLED 7-56 hrs	LABORERS 5-40 hrs	TOTAL 14-114
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FROM 0700 M	TO 1630 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; EROSION CONTROL
- b. \_\_\_\_\_
- 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) Rubbed surfaces of East Monos #106 and #108; Continued forming for the Concrete Collar at EB/L Sta. 102+67; Continued installing 2"X4" braces on silt/safety fence posts.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09,10,11,12,19 & 31 May 95.  
50% of days lost due to adverse weather/high tides on 05 & 30 May 95.

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

Only minor work was performed this date, due to saturated ground conditions from previous rainfall.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 21.3%  
PERCENT TIME ELAPSED: 48.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

EROSION CONTROL: 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 continuing to install forms for the Concrete Collar Tie-In at EB/L Sta. 102+67 (still not completed). Observed finishers continuing to rub surfaces of East Monos #106 and #108, covering all voids 1/2" or larger in accordance with C3D-12.2 of the contract.

EROSION CONTROL: Observed laborers installing 2"x4" bracing on all safety/silt fence posts, between WB/L Sta's 114+00 and 115+50. Noted that extra filter fabric was added to the top of the existing fabric between WB/L Sta's 114+00 and 119+00 for added protection.

ENVIRONMENTAL PROTECTION: Made a visual inspection of the erosion control silt fencing between EB/L Sta's 102+50 and 119+05, and WB/L Sta's 114+00 and 119+68. Noted no silt passing through silt fence fabric onto adjacent private property. However, the fencing is in need of minor repair between WB/L Sta's 119+00 and 119+68.

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>
Z. BRYANT	Const. Insp., GS-07	5 hrs.	QAR

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

Observed finishers wearing rubber gloves and safety glasses while repairing surface voids in new floodwall monoliths.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

*Zane D. Bryant Jr.*  
ZANE D. BRYANT JR.

DATE

01 JUN 95

SUPERVISOR'S INITIALS

*TV yw*

DATE

6/7/95







QUALITY CONTROL REPORT,  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	Yes	2	6	-
Komatsu D37P Dozer	-	Yes	2	6	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	Yes	4	4	-
Koehring 535 Crane	-	No	0	8	-
MKT Vibro Hammer	-	No	0	8	-
Welding Machine	-	Yes	2	6	-
Mantis Crane	-	Yes	2	6	-

TESTS PERFORMED  
(As required by plans/specifications)

NO TESTING TODAY.

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MATERIALS RECEIVED

NO MATERIALS RECEIVED TODAY.

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QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I inspected the recently installed additional Erosion Control on the West Bank Station 119 to 114 and found it to be holding up after the 3" rain on 05/30/95. No spoil material was visible between our work and the residents fences. The Access gates and first 30' of fencing at the Robert E. Lee West Access have been damaged and/or in need of repair. This will be done as soon as possible.

JOB SAFETY  
(Note inspection, violations/actions taken)

Inspected the equipment for fire extinguishers and found some pieces to be missing them. All pieces of equipment not having fire extinguishers will be provided new ones.

REMARKS  
(Instructions received, miscellaneous remarks)

Still waiting of Formwork, breach closure, and Temporary Flood Protection submittals to be reviewed.

I certify to the best of my 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.

  
Authorized QC Representative

06/01/95

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

133

TO Area Engineer,  
CELMN-CD-NO

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

DATE Tuesday  
30 May 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 50 %	BORROW EXCAVATION 50 %	EMBANKMENT 50 %	CONCRETE 50 %	STRUCTURE 50 %
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MINIMUM 76°	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 3.10"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-6 hrs	TOTAL 1-6 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 2-12 hrs	SKILLED 10-57 hrs	LABORERS 6-34½ hrs	TOTAL 18-103½	FROM 0700M	TO 1300M	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; STRUCTURAL EXCAVATION
- 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) Performed Structural Excavation, between WB/L Sta's 115+50 & 116+00; Rubbed surfaces of East Monos #107 & #109; Con't forming for Concrete Collar at EB/L Sta. 102+67.
- b) Drove 22 pcs of CZ-101 X 21'-9" sheet piles between WB/L Sta's 117+32.5 & 117+72.1.

Days of no work and reasons for same:

- 100% of days lost due to adverse weather/high tides on 09,10,11,12 & 19 May 95.
- 50% of days lost due to adverse weather/high tides on 05 & 30 May 95.

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

Progressive work was performed by B&K and Gill this date, until heavy rains forced them to shut-down all operations at approx. 1045 hrs.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 21.3%

PERCENT TIME ELAPSED: 48.2%

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.

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: Observed carpenters continuing to, install forms for the Concrete Collar Tie-In at EB/L Sta. 102+67. Observed finishers continuing to rub surfaces on East Monos #107 & #109.

STRUCTURAL EXCAVATION: Observed B&K using 1-Komatsu 200 Excavator to excavate a trench approx. 6' wide in the existing levee crown, down to approx. bottom elev. of +2.60'. The excavated material was used to widen-out the existing levee crown for access, and any remaining material was stockpiled on the F/S of the existing floodwall.

STEEL SHEET PILES: Observed subcontractor (Gill) driving 22 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 117+32.5 and 117+72.1. All piles were driven plumb, on proper alignment, and driven down to a top elev. of +5.75', except for four (4) piles at Monolith Joints and these piles were driven to a top elev. of +5.00'.

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:**

NOTE: Heavy rainfall forced Contractor to shut-down all operations at approx. 1045 hrs.

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	5 hrs.	QAR

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

Noted all personnel working in the vicinity of the pile driving operations, to be wearing hard hats, safety toe boots, and hearing protection.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

*Zane D. Bryant, Jr.*  
ZANE D. BRYANT, JR.

DATE

01 JUN 95

SUPERVISOR'S INITIALS

*JD*

DATE

6/6/95



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

DATE: 05 /30 /95

REPORT NO.: 169

SKIES: Cloudy - Rain

RAIN: 3.1" IN. TEMP.: 76 MIN 89 MAX

DUST: None

LEVEE CONDITION: Wet CANAL GAUGE: ( 2.2 ) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Performed Structural Excavation on the West Bank from Station 116+00 to Station 115+50. Strung out Sheet Piling for GILL'S CRANE SERVICE and worked on widening the Temporary Access Road. Carpenters began working on Steel I-Wall Forms; these will have to be cleaned, modified and partially re-surfaced before putting them to use on the West Bank. Laborers braced off the Safety Fence, and added another strip of Silt Fence material to raise the Erosion Control higher. Cement Finishers rubbing & patching East I-Wall Monoliths #109 and #107 today. Heavy rain storm at 10:45 AM shut down all productive work today.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the West Bank from Station 117+72.10 to Station 117+32.50 (22 pieces at 21'9" long each piece). Heavy rain storm at 10:45 AM shut down all Pile driving work.

\*NOTE: One piece of CZ-101 Sheet Piling at 21'9" long was driven from West B/L Station 119+63.35 to Station 119+65.15 on 05/26/95. This information was accidentally omitted from Q.C. Daily Report #167 on that date.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	3	5	
Komatsu D37P Dozer	-	Yes	3	5	
Kubota 151 Excavator	-	No	0	8	
Case 580 Backhoe	-	Yes	2	6	
Koehring 535 Crane	-	Yes	3	5	
MKT Vibro Hammer	-	Yes	3	5	
Fiat-Allis MotorGrader	-	No	0	8	
Mantis 3612 Crane	-	Yes	3	5	
Welding Machine	-	Yes	1	7	

MATERIALS RECEIVED

NONE RECEIVED TODAY.



QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I have inspected the finishing work being done on the East Bank I-Wall Monoliths. All honeycombs and air bubble holes 1/2" in diameter or larger were patched and finished over with sand & cement mortar (white and grey Portland Cements were mixed to yield the proper color to match the ready-mix Concrete). Form joint lines were chipped and patched over. The finished product was acceptable in my opinion and ready for paint application.

I also inspected the Structural Excavation work done on the West Bank today. The bottom of the Excavation was cut down to elevation +2.60 (approximately 4 3/4" below bottom of new I-Wall). The material from Excavation was placed partially on the Flood Side and partially on the Land Side of the existing Floodwall. A dozer was used to spread & compact this material on the Land Side (for widening of the Temporary Access Road) and the Kubota 151 Excavator was used to spread material on the Flood Side.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING - Continued monitoring vibrations caused by construction activities today. Results of these tests will be furnished to the ORLEANS LEVEE BOARD only, however the DELTA technician on the job site (West Bank ± Station 117+50) stated that no excessive vibrations were recorded due to our construction work today.

CONTRACTOR/SUBCONTRACTORS ID

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	29	B & K	Working on Steel I-Wall Forms; Excavating for
8	Skilled	46	"	Structural Concrete Placement; working on
1	Supt.	6	"	Erosion Control; Patching & rubbing I-Wall
1	Q.C. Rep.	6	"	Surfaces. (See locations on Page 1.)
2	Skilled	11	GILL'S CRANE	Driving new CZ-101 Sheet Piling on the West
1	Unskilled	5.5	"	Bank. (See Page 1.)

JOB SAFETY

(Note inspection, violations/actions taken)

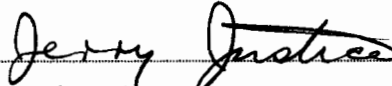
Inspected the Vibratory Hammer and Koehring Crane for oil & fuel leaks today. No signs of motor oil, hydraulic oil, or fuel were observed on the ground. Oil & grease containers were disposed of in cans for garbage collection. Diesel fuel containers were placed back in the storage area to be re-used again.

REMARKS

(Instructions received, miscellaneous remarks)

Still waiting on verbal approval of the Formwork design for concrete collars.

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.

  
 \_\_\_\_\_  
 Authorized Q C Representative

05/31/95  
 \_\_\_\_\_  
 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  
132

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

DATE Sat., Sun. & Mon.  
27, 28 & 29 May 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 to  
Cloudy & 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 76°	MAXIMUM 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 29 May 0.25"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-6 hrs	TOTAL 1-6 hrs	LABOR
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Canal RIVER STAGE	FEET 2.10'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-18½ hrs	SKILLED 9-72 hrs	LABORERS 8-64 hrs	TOTAL 19-154½
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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	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; STRUCTURAL EXCAVATION
- 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) Performed structural excavation between WB/L Sta's 116+00 & 116+50; Con't forming for the concrete collar tie-in at EB/L Sta. 102+67.
- b) Drove 46 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 117+72.1 and 118+55.1.

NOTE: All above mentioned work was performed on Mon., 29 May 95.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09,10,11,12 & 19 May 95.  
50% of day lost due to adverse weather/high tides on 05 May 95.

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

Progressive work was performed by B&K and Gill on Mon., 29 May 95. No work was scheduled or performed by contractors on 27 & 28 May 95.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 20.9%  
PERCENT TIME ELAPSED: 48.0%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

- Attended the following CQC Inspection Phases on Mon., 29 May 95:
- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- STRUCTURAL EXCAVATION: 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 on Mon., 29 May 95:

REINFORCED CONCRETE FLOODWALL: Observed carpenters continuing to form-up for the concrete collar tie-in at EB/L Sta. 102+67.

STRUCTURAL EXCAVATION: Observed the 200 Komatsu Excavator continuing to excavate for I-Wall construction between WB/L Sta's 116+00 and 116+50. Degraded the existing levee by cutting a trench approx. 6' wide, beginning at the existing sheet piles, down to an approx. bottom elev. of +2.60' (bottom elev. for stabilization slab). All excavated material was use to widen out the existing levee crown at adjacent stations for access.

STEEL SHEET PILES: Observed subcontractor using a Koehring 525 Piledriver and 1-V5 vibratory hammer to drive 46 pcs. of CZ-101 X 21'-9" sheet piles, between approx. WB/L Sta's 117+72.10 and 118+55.10. All piles were driven plumb and on proper alignment. All piles were driven to a top elev. of +5.75' as required, except at proposed monolith joints where 4 piles were driven to a top elev. of +5.00'.

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

ENVIRONMENTAL PROTECTION: Checked and found no hydraulic leaks on the vibratory hammer 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)**



<u>GOVERNMENT PERSONNEL ON SITE</u>			
<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
Z. BRYANT	Const. Insp., GS-07	5 hrs (Mon)	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 on Mon., 29 May 95. See attached minutes.

Checked and found fire extinguishers fully charged on the following equipment: 1-Komatsu 200 Excavator, 1-Koehring 535 Piledriver, 1-Komatsu D37P Dozer, and 1-Case 580 Backhoe.

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 31 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/30/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 05/29/95 REPORT NO.: 168  
 SKIES: pt. Cloudy / Cloudy RAIN: 0.25IN. TEMP.: 76 MIN. 92 MAX  
 DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.1) NOISE: Moderate

WORK PERFORMED/LOCATION

05/27/95 - Saturday - No work performed.

05/28/95 - Sunday - No work performed.

05/29/95 - Monday - Performed Structural Excavation on the West Bank from Station 116+50 to Station 116+00. Carpenters continued forming Concrete collar at East B/L Station 102+67. Worked on securing the office trailer doors & windows, and repaired damage done by theives over the weekend.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the West Bank from Station 118+55.10 to Station 117+72.10. (46 pieces at 21'9" long each.)

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	56	B & K	Forming Concrete collar; Excavating for I-Wall placement, assisting Sheet Pile drivers. (See locations above.)
7	Skilled	56	"	
1	Superinten.	10	"	
1	Q.C. Rep.	8.5	"	
2	Skilled	16	GILL'S CRANE	Driving new CZ-101 Sheet Piling on the West Bank. (See locations above.)
1	Unskilled	8	"	

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	Yes	4	4	-
Komatsu D37P Dozer	-	Yes	4	4	-
Kubota 151 Excavator	-	Yes	2	6	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	Yes	8	0	-
MKT Vibro Hammer	-	Yes	8	0	-
Motor Grader	-	No	0	8	-
Welding Machine	-	Yes	1	7	-
Mantis Crane	-	Yes	5	3	-

TESTS PERFORMED

(As required by plans/specifications)

DELTA TESTING - Performed vibration monitoring again today adjacent to the  
Sheet Pile driving work (West Bank ± Station 118+00). Results will be reported  
to the ORLEANS LEVEE BOARD.

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MATERIALS RECEIVED

NONE RECEIVED TODAY.

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QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I inspected the Sheet Piling work completed today. No problems were observed in alignment, plumbness, or cut off elevation. A transit was used to set C/L stakes and to check alignment of Sheets driven. A laser level was used to control cut off elevation at + 5.75 (elevation +5.00 at each Monolith joint).

Inspected Concrete collar formwork at East B/L Station 102+67. Carpenters still have some tie-bolts and bracing to complete. Size and location of Forms was checked and found to be correct.

JOB SAFETY  
(Note inspection, violations/actions taken)

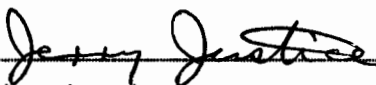
Checked the Canal for signs of pollution from construction activities. No oil or debris from contractor's activities was observed.

Held the Weekly Safety Meeting at 7:00 AM today. The topic was the safe use of oxygen & acetylene torch rigs. Minutes are attached to this report.

REMARKS  
(Instructions received, miscellaneous remarks)

We are still waiting on approval of formwork submittals for Concrete collars.

I certify to the best of my 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.

  
Authorized QC Representative

05/30/95  
Date



MINUTES OF SAFETY MEETING

DATE: 05/29/95

TIME: 7:00 AM

PROJECT: LONDON AVENUE OUTFALL CANAL

MEETING CONDUCTED BY: Jerry Justice

PERSONS ATTENDING: SEE ATTACHED

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_


TOPICS DISCUSSED:

The topic of discussion at today's Safety Meeting was the safe use of oxygen and acetylene torch assemblies. Employees were instructed not to attempt using the torch unless they are qualified. Backflow preventors must be installed in the torch line between the torch head and the regulators (check valves to prevent backwards flow of gases and/or flames). Torch sets can not be used if any leaks are present or if the regulators are defective. Gauges must be in working order and clearly legible. Oxygen working pressure should not exceed 40 PSI and acetylene working pressure should not exceed 15 PSI.

Personal protective equipment required includes eye protection (dark lense goggles), hand protection (leather gloves), and long sleeve cotton shirts. A fire extinguisher must be on hand at all times where burning or welding operations are being performed.

COMMENTS:

All carpenters are considered qualified to operate a torch, as well as Jody Leonard (Crane Operator) and Greg Jackson (laborer).

  
CONTRACTOR'S SUPERINTENDENT

B & K CONSTRUCTION  
DACW29-94-C-0079  
LONDON AVENUE OUTFALL CANAL

# Safety Meeting

ATTENDEES  
5-29-95

~~Jerry Justice~~  
Steve Thorne  
Joe Leonard  
Anthony R. Rodi  
Willie Dillon  
Dwight Brown  
Lenny Tuckman  
Dale J. Turgeon  
Craig Milbrunoff  
Benny Audibert  
Eric Bailey  
Kevin P. Puchard  
Mike [unclear]

<b>INSPECTORS QUALITY ASSURANCE REPORT (QAR) DAILY LOG OF CONSTRUCTION - CIVIL (ER 415-1-302)</b>						THE QAR WILL BE ATTACHED TO OR FILED WITH THE QAR			
						REPORT NUMBER 131			
TO Area Engineer, CELMN-CD-NO			COPY TO: C/Const. Div. CELMN-CD			DATE Friday 26 May 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 75°	MAXIMUM 92°			
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 0.00"		ENDING 0730	
NUMBER OF GOVERNMENT EMPLOYEES						Canal <del>RIVER</del> STAGE			
SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-9 hrs	TOTAL 1-9 hrs	LABOR	FEET 2.10'	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 10-80 hrs	LABORERS 6-45 hrs	TOTAL 18-143	FROM 0700 M	TO 1730 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. <u>B &amp; K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; STRUCTURAL EXCAVATION</u>									
b. <u>Gill's Crane Service, Inc. - STEEL SHEET PILES</u>									
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) Con't building forms for Concrete Collar at EB/L Sta. 102+67; Fabricated 1-corner pile for tie-in at WB/L Sta. 119+65; Rubbed surfaces of East Monos #106 & #108; Performed Structural excavation between WB/L Sta's 116+50 & 117+00.									
b) Drove 30 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 118+55.1 and 119+08.9; Drove 1-CZ-101 X 21'-9" pile and 2- corner piles for Tie-In at WB/L Sta. 119+65.									
Days of no work and reasons for same:									
100% of days lost due to adverse weather/high tides on 09,10,11,12 & 19 May 95.									
50% of day lost due to adverse weather/high tides on 05 May 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. See attached CQC Report for details.									
DATE SET FOR COMPLETION: <u>03 APR 96</u>						PERCENT PROJECT COMPLETE: <u>20.6%</u>			
						PERCENT TIME ELAPSED: <u>47.5%</u>			
CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:									
Attended the following CQC Inspection Phases this date:									
<u>REINFORCED CONCRETE FLOODWALL</u> : No instructions issued.									
<u>STRUCTURAL EXCAVATION</u> : No instructions issued.									
<u>STEEL SHEET PILES</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 this date:

**REINFORCED CONCRETE FLOODWALL:** Observed carpenters continuing to, build forms for the Concrete Collar Tie-In at EB/L Sta. 102+67. Observed finishers continuing to rub surfaces of East Monos #106 & #108. Noted that B&K also began setting resteel for Tie-In at EB/L 102+67.

**STRUCTURAL EXCAVATION:** Observed B&K using the 200 Komatsu excavator to excavate for I-Wall construction, between WB/L Sta's 116+50 and 117+00. Degraded existing levee crown down to approx. elev. +2.60' as required. Excavated material was placed on the P/S of excavation and used to widen existing levee crown.

**STEEL SHEET PILES:** Observed B&K fabricating 1-corner sheet pile for the Tie-In at WB/L Sta. 119+65 (using 1-existing pile, 1- section of CZ-101, and 1-piece of angle iron 3½"X3½"X3/8"). Observed Gill driving 30 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 118+55.1 & 119+08.9, 1 pc. of CZ-101 X 21'-9" pile between WB/L Sta's 119+63.43 & 119+65.8, and 2-fabricated corner piles for the I-Wall Tie-In at WB/L Sta. 119+65. All piles driven this date, were driven plumb, on good alignment, and to a top elev. of +5.75', except for 4 piles at each monolith joint which were driven down to a top elev. of +5.00' as required.

**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:** Noted that all tie-in areas were sand-bagged to a top elev. of +6.75' as required for the temporary flood protection (EB/L Sta. 119+03, EB/L Sta. 102+67 & WB/L Sta. 119+65), by COB this date.

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	8 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 all equipment were properly secured, and all gates were locked by COB this date. Jobsite secured for the week-end.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 30 May 95	SUPERVISOR'S INITIALS 	DATE 6/5/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 05/26/95 REPORT NO.: 167  
 SKIES: Pt. Cloudy RAIN: 0 IN. TEMP.: 75 MIN. 92 MAX  
 DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (2.1) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Carpenters continued work on Floodwall tie-in at East B/L Station 102+67; completed tying Re-Steel, placing Expansion material and chamfer strip. Worked on Sheet Piling connection to existing Floodwall on the West bank at ± Station 119+65. Performed Structural Excavation on the West Bank from Station 117+00 to Station 116+50. Laborers continued clean up and removal of material from the East Bank. Cement Finishers patched & rubbed Concrete surfaces at East Monoliths #106 and #108.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the West Bank from Station 119+08.90 to Station 118+55.10 (30 pieces at 21'9" long each piece). Also drove corner pieces and completed tie-in to existing Sheet Piling at ± Station 119+65 (West Bank). B & K fabricated one corner piece and then assisted in pulling & driving of corners today.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	36	B & K	Forming & tying Re-Steel at Concrete
8	Skilled	62	"	collar; fabricated Sheet Pile corners;
1	Supt.	10	"	structural Excavation; finishing Concrete
1	Q.C. Rep.	8	"	surfaces; cleaning up debris. (See
				locations above.)
2	Skilled	18	GILL'S CRANE	Driving CZ-101 Sheets and PSA-23 corner
1	Unskilled	9	"	pieces on the West Bank. (See locations
				above.)

QUALITY CONTROL REPOR.  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	Yes	5	3	-
Komatsu D37P Dozer	-	Yes	3	5	-
Kubota 151 Excavator	-	Yes	2	6	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	Yes	8	0	-
MKT Vibro Hammer	-	Yes	8	0	-
Motor Grader	-	No	0	8	-
Welding Machine	-	Yes	0	8	-
Mantis Crane	-	Yes	5	3	-

TESTS PERFORMED

(As required by plans/specifications)

DELTA TESTING - Performed vibration monitoring on the West Bank near Station 119+00, adjacent to the Sheet Piling work. Results of these tests are furnished only to the ORLEANS LEVEE BOARD.

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MATERIALS RECEIVED

Received one 21'9" angle iron, 3 1/2" x 3 1/2" x 3/8" (A36 Steel), with 1" bolt holes every 6" on centers (except for the last 2' at each end, where the bolt holes are 3" apart on centers.) Also received 100 high strength bolts (7/8" diameter), nuts, and washers for connection to existing Sheet Pile wall at West B/L Station 119+65.

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QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I inspected the Sheet Pile driving work performed today. The CZ-101 Sheet Piling were 21'9" long, driven on C/L of new I-Wall to cut off elevation + 5.75, using the MKT V-5 HAMMER. Interlocks were all fully engaged, and plumbness of the Piling was corrected to be within the specified tolerance (1/8" per foot). Four single Sheets (or 2 pairs) were driven down 9" (to elevation +5.00) as called for at each Monolith joint. Alignment of Sheets was within 0.20' of the theoretical alignment.

Also checked Structural Excavation performed today. Bottom of Excavation was elevation +2.60. Half the material was placed on the Flood side of the existing Wall, and the remainder of the soil was used to widen the crown of the Levee on the Protected side.

JOB SAFETY  
(Note inspection, violations/actions taken)

Inspected equipment on the West Bank for proper exhaust systems. No exhaust leaks or excessive noise were observed. Exhaust fumes appeared normal. No excessive amounts of smoke or fumes were visible.

REMARKS  
(Instructions received, miscellaneous remarks)

We do plan to work on Monday (MEMORIAL DAY) driving new CZ-101 Sheet Piling and forming up Floodwall collars.

I certify to the best of my 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.

  
Authorized QC Representative

05/29/95

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  
130

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

DATE  
Thursday  
25 May 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%
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TEMPERATURE	
MINIMUM 73°	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 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY 2-2 hrs	OFFICE	LAYOUT	INSPECTION 1-6 hrs	TOTAL 3-8 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 2-16 hrs	SKILLED 9-79 hrs	LABORERS 6-51 hrs	TOTAL 17-146	FROM 0700 M	TO 1700 M	FROM M	TO M	FROM M	TO M
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FEET 2.30'	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 (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. 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) Continued forming for Concrete Collar Tie-In at EB/L Sta. 102+67; Began installing resteel for Tie-In Collar at EB/L Sta. 102+67; Moved forms from East Levee work area to the staging area north of R. E. Lee Blvd.
- b) Drove 14 pcs of CZ-101 X 21'-9" sheet piles between WB/L Sta's 119+08.90 & 119+34.50.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09,10,11,12 & 19 May 95.  
50% of day lost due to adverse weather/high tides on 05 May 95.

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

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

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 20.5%  
PERCENT TIME ELAPSED: 47.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: 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: Observed carpenters continuing to install formwork for the concrete collar tie-in at EB/L Sta. 102+67. Also noted that carpenters were installing the resteel for the above mentioned concrete collar (not completed). Noted that contractor removed forms from the east levee to the north staging area for refurbishing.

STEEL SHEET PILES: Observed subcontractor (Gill) driving 6 of the 14 pcs of CZ-101 X 21'-9" sheet piles this date, between WB/L Sta's 119+08.9 and 119+34.5, down to a top elev. of +5.75'. The first 6 piles were driven plumb and on good alignment. However, the 8 piles between approx. WB/L Sta's 119+08.9 and 119+23.3 were driven both out of plumb and alignment. Contractor will have to correct this problem.

QUALITY CONTROL: Contractor providing inadequate 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>
D. DUHON	Suprv. Civ. Engr., GS-12	1 hr.	SCE
C. WAGNER	Civ. Engr., GS-11	1 hr.	PE
Z. BRYANT	Const. Insp., GS-07	4 hrs.	QAR

NOTE: QAR, Z. Bryant left jobsite at 1415 hrs to attend the NOAO Safety Meeting at 1445 hrs.

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

Noted personnel working in the vicinity of the pile driving operations were wearing hard hats, steel-toed boots and hearing protection this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE B. BRYANT, JR.	DATE 29 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/5/95
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DATE: 5-25-95

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:**

Observed contractor personnel driving permanent shafts near Robert E. Lee (approx. Sta. 119+25) using I-beam template & vibratory hammer. Some shafts were out of tolerance in alignment & plumbness which will have to be corrected. Observed carpenters working on tie-in formwork on East side near R. E. Lee. All personnel wearing hard hats & steel toe shoes while on-site.

**Instructions to COC/Remarks:**

Reminded Supt. M. Ka Tassiw & COC Rep Terry Justice that no concrete can be poured for tie-ins until formwork design is approved. Both agreed.

Chunf Wagner  
Name

Proj Engr  
Title

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

DATE: 05/25/95

REPORT NO.: 166

SKIES: Pt. Cloudy      RAIN: 0      IN: TEMP: 73      MIN. 90      MAX.

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

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Carpenters continued work on Concrete collar at East B/L 102+67. Burned holes in Sheet Piling and began tying Re-Steel. Hauled metal Forms from Pumping Station #4 to the Pratt Dr. Staging Area, along with Crane mats and other materials. Operator assisted Pile Drivers, stringing out Sheet Piling, using Backhoe to plumb Sheets and working on Temporary Access Road compaction. Laborers continued clean up along the East Bank (Robert E. Lee to Pumping Station #4 ), and flagged traffic for haul truck moving Forms.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the West Bank from Station 119+34.50 to Station 119+08.90 (14 pieces at 21'9" long each piece). Problems with plumbness and alignment today slowed production down.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	43	B & K	Forming & tying Re-Steel for Concrete collar tie-in; moving Steel I-Wall Forms; assisting Sheet Pile driving work; cleaning up debris from construction. (See locations above.)
8	Skilled	69	"	
1	Supt.	8	"	
1	Q. C. Rep.	8	"	
1	Skilled	10	GILL'S	Driving new CZ-101 Sheet Piling on the East Bank. (See locations above.)
1	Unskilled	8	CRANE	

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	6	3	-
Komatsu D37P Dozer	-	Yes	4	5	-
Kubota 151 Excavator	-	Yes	2	6	-
Case 580 Backhoe	-	Yes	3	5	-
Koehring 535 Crane	-	Yes	9	0	-
MKT Vibro Hammer	-	Yes	7	2	-
Fiat-Allis MotorGrader	-	No	0	8	-
Mantis 3612 Crane	-	Yes	6	2	-
JSW Excavator	DEP	-	-	-	-

TESTS PERFORMED  
(as required by plans/specifications)

DELTA TESTING performed vibration monitoring on the West Bank near Station 119+60, adjacent to the Sheet Pile driving work. Results of these tests are furnished only to the ORLEANS LEVEE BOARD. The technician on duty for DELTA TESTING today stated that no excessive vibrations were noted due to the construction work, but truck traffic passing by on Robert E. Lee Blvd. (unrelated to our construction work) did register substantial vibration amounts.

MATERIALS RECEIVED

None received today.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Steel Sheet Piling work done on the West Bank today. Materials used were CASTEEL CZ-101 Piles, 21'9" long. All interlocks were fully engaged throughout the length of the Piling. Alignment was checked with a transit on C/L, and all Sheets were within tolerance. The worst deflection found was out approximately 0.25' towards the Land Side. This alignment problem is not continuous and steps are being taken to insure proper alignment and plumbness of all Sheet Piling. Cut off elevation was controlled by Laser Level at +5.75.

JOB SAFETY  
(Note inspection, violations/actions taken)


Checked for contamination of water resources on the East & West Bank sides of the Canal today. No evidence of pollution was observed in the water on either side of the Canal.

Checked rigging on the Komatsu 200 Excavator being used to move Steel Sheet Pile stacks. Only minor wear was noted on 4-Way spreaders, and the sorting hooks were in good condition.

REMARKS  
(Instructions received, miscellaneous remarks)

Formwork drawings for Floodwall tie-in collars was resubmitted today. Concrete placement at these collars will not begin until verbal approval of these drawings is received.

I certify to the best of my 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.

  
Authorized Q C Representative

05/26/95

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

129

TO Area Engineer,  
CELMN-CD-NO

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

DATE Wednesday  
24 May 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	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
100 %	100 %	100 %	100 %	100 %

MINIMUM	MAXIMUM
73°	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	ENDING
0.00"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			1-7 hrs	1-7 hrs	

FEET	TIME
1.80'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-16 hrs	9-81 hrs	6-51 hrs	17-148

FROM	TO	FROM	TO	FROM	TO
0730 M	1700 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. - STRUCTURAL EXCAVATION; REINFORCED CONCRETE FLOODWALL
- 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 buy letter in Table above)

- a) Continued structural excavation on west levee; Continued rubbing East Monos #106 & #108; Continued breaking existing concrete cap at WB/L Sta. 119+65; Continued forming for Concrete Collar Tie-In at EB/L Sta. 102+67.
- b) Drove 16 pcs of CZ-101 X 21'-9" sheet piles between WB/L Sta's 119+34.50 & 119+63.43.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09,10,11,12 & 19 May 95.  
50% of day lost due to adverse weather/high tides on 05 May 95.

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

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

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 20.4%  
PERCENT TIME ELAPSED: 47.1%

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.
  - EROSION CONTROL: 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: Observed carpenters continuing to install wooden forms for the Tie-In Concrete Collar at EB/L Sta. 102+67. Observed finishers continuing to rub surfaces of East Monos #106 & #108, covering all air bubbles 1/2" and larger. Observed contractor continuing to use a jack-hammer to break-out existing concrete cap at approx. WB/L Sta. 119+65 for sheet pile tie-in.

STRUCTURAL EXCAVATION: Observed the 200 Komatsu Excavator performing structural excavation on the existing west levee, between WB/L Sta's 117+00 and 118+75. A trench approx. 6' wide was degraded down to approx. elev. +2.60' for I-Wall Construction. Excavated material was placed on P/S of excavation to widen out the existing levee crown for access, and some material was stockpiled on the F/S of the existing concrete cap.

STEEL SHEET PILES: Observed Gill driving 16 pcs. of CZ-101 X 21'-9" steel sheet piles for New I-Wall, between approx. WB/L Sta's 119+34.5 and 119+63.43, down to an approx. top elev. of +5.75' as required, except at Monolith joints where the piles (4) were driven down to a top elev. of +5.00'. All piles were driven plumb & within tolerance, except the first pair, which was not plumb. Contractor will correct this deficiency as soon as possible.

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

EROSION CONTROL: Observed laborers installing 2"x4" bracings on the west levee silt/safety fence, between WB/L Sta's 119+68 and 115+00.

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

NOTE: No instructions were issued to contractor this date.

**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

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

Checked and found rigging being used to handle the vibratory hammer this date, to be in very good condition.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

*[Signature]*  
LANE D. BRYANT JR.

DATE

29 May 95

SUPERVISOR'S INITIALS

*[Initials]*

DATE

6/5/95



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

DATE: 05/24/95

REPORT NO.: 165

SKIES: Clear - Pt. Cloudy      RAIN: 0      IN: TEMP: 73      MIN. 90      MAX.

DUST: Minimal      LEVEE CONDITION: Dry      CANAL GAUGE:(1.8)      NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Performed Structural Excavation on the West Bank from Station 118+75 to Station 117+00. Continued breaking existing Concrete cap at West B/L Station 119+65 † for Sheet Pile connection work. Carpenters continued forming Concrete collar at East B/L Station 102+67 for tie-in to existing Floodwall. Cement Finishers patched small holes and rubbed Concrete surfaces at East Monoliths #106 and #108. Operator assisted Sheet Pile driving work, placing stacks of CZ-101 Sheets on the Levee for GILL'S CRANE SERVICE. Laborers continued bracing Safety Fence to prevent failure of Silt Fence.

GILL'S CRANE SERVICE - Moved the Koehring 535 Crane and V-5 Vibratory Hammer onto the West Bank Levee Crown at Robert E. Lee Blvd. Drove new CZ-101 Sheet Piling from West B/L Station 119+63.43 to Station 119+34.50. (16 pieces at 21.75' long each piece.)

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	43	B & K	Forming Concrete collars for Floodwall
8	Skilled	69	"	tie-ins; moving misc. materials to the
1	Supt.	8	"	West Bank; Excavating for Floodwall
1	Q. C. Rep.	8	"	construction; breaking Concrete Flood- Wall for West Bank tie-in.
1	Skilled	12	GILL'S	Driving new CZ-101 Sheet Piling on the
1	Unskilled	8	CRANE	West Bank. (See locations above.)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/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	-	Yes	2	6	-
Koehring 535 Crane	-	Yes	6	2	-
MKT Vibro Hammer	-	Yes	5	3	-
Fiat-Allis MotorGrader	-	No	0	8	-
Mantis 3612 Crane	-	Yes	4	4	-
JSW Excavator	-	Yes	1	7	-

TESTS PERFORMED  
(as required by plans/specifications)

DELTA TESTING performed vibration monitoring on the West Bank at Station 119+60, adjacent to the Sheet Pile driving work. Results of these tests are furnished only to the ORLEANS LEVEE BOARD, however, the DELTA technician stated that no excessive vibrations were recorded today (or any other day on this contract).

MATERIALS RECEIVED

None received today.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I inspected the Vibratory Hammer and Koehring Crane today, looking for any excessive oil or fuel leaks that could cause soil contamination. No leaks were observed, other than minor engine oil leaks. Lunch trash and other waste materials were picked up by laborers and hauled off to the Waste Transfer Station for disposal. A large pile of debris from Formwork is stacked on the East Bank near Robert E. Lee Blvd., and will be hauled off to a landfill next week.

Inspected the Steel Sheet Piling work performed today on the West Bank between Station 119+63 and Station 119+34. Sheets used were CZ-101's, 21'9" long. Sheets were driven on new I-Wall C/L (controlled by a driving template, set with o/s stakes). Cut off elevation was +5.75, controlled by a Laser Level. Plumbness was checked, and found to be less than 1/8" per foot using a 4' level. One pair of Sheets (1st pair at 119+63) will have to be pulled up, straightened, and re-driven. This will be done when the tie-in work is done at Station 119+65, prior to any Concrete Floodwall construction.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked rigging on Vibratory Hammer today. All slings, and shackles were in good condition. Screw pin shackles were tied with wire to prevent them from coming loose. All workers wore hard hats, and steel toes today.

REMARKS

(Instructions received, miscellaneous remarks)

Resident at 546 Warrington Dr. called to complain about "cracks in her walls" allegedly caused by the construction work on the Levee behind her house. We contacted resident (Simone Woods) and explained to her that Vibration Monitoring was performed during all Sheet Pile driving and pulling work (by DELTA TESTING). The results of these tests are on file with the ORLEANS LEVEE BOARD, and complaints are handled by the Board.

I certify to the best of my 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.

  
Authorized Q C Representative

05/25/95

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

128

TO Area Engineer,  
CELMN-CD-NO

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

DATE Tuesday  
23 May 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 & 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 68°	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 M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-6 hrs	TOTAL 1-6 hrs	LABOR	FEET 1.60'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-17 hrs	SKILLED 7-59 hrs	LABORERS 5-42 hrs	TOTAL 14-118	FROM 0730 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 (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. - STRUCTURAL EXCAVATION; REINFORCED CONCRETE FLOODWALL
- b. \_\_\_\_\_
- 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) Began structural excavation on west levee between WB/L Sta's 118+75 and 119+68; Broke forms loose from concrete at Monos #106 & #108; Carpenters began building forms for the Tie-In Collar at EB/L Sta. 102+67; Began breaking out a 5' section of the existing concrete cap at WB/L Sta. 119+68 for tie-in of sheet piles.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09,10,11,12 & 19 May 95.  
50% of days lost due to adverse weather/high tides on 05 May 95.

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

Progressive work was performed by B&K only this date. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 20.2%

PERCENT TIME ELAPSED: 47.0%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: See "Verbal Instructions" on back of this report.

STRUCTURAL EXCAVATION: 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: Observed Contr. using a 90# jack-hammer to break out a 5' section of the existing concrete cap at approx. WB/L Sta. 119+68.50. This was done for making the sheet piles tie-in connection to the existing sheet piles. Noted that B&K had broke loose the forms from East Monos #106 and #108 this date. Noted Monos #105 & #107 were covered with wetted burlene for curing. Observed carpenters beginning to construct forms for the Concrete Collar Tie-In at EB/L Sta. 102+67.

STRUCTURAL EXCAVATION: Observed B&K using 1-200 Excavator to excavate for new wall construction between WB/L Sta's 118+75 and 119+68. Existing levee was degraded down to approx. elev. +2.60', and approx. 6' wide trench (beginning at existing sheet piles). Half of the excavated material was used to widen the existing levee crown and the other half was stockpiled on the F/S of the existing concrete capped floodwall.

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

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

PE, C. Wagner instructed CQC Rep's M. Tassin and J. Justice to wait for the approval of the formwork submittal for the Concrete Collar Tie-In, before placing any concrete for these tie-ins. Both CQC Rep's agreed to wait for the required approval.

**CONTROVERSIAL MATTERS IN DETAIL:**

NONE

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

NOTE: Subcontractor (Gill) is scheduled to begin driving sheet piles at WB/L Sta. 119+63.43 on Wed., 24 May 95.

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	5 hrs.	QAR

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

Noted that person operating the 90# jack-hammer to be wearing proper face shield and hearing protection this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT JR.	DATE 25 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/1/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 05/23/95

REPORT NO.: 164

SKIES: Clear - Pt. Cloudy      RAIN: 0      IN: TEMP: 68 MIN. 89 MAX.

DUST: Minimal LEVEE CONDITION: Dry      CANAL GAUGE:(1.6) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Carpenters wrecked Forms at East I-Wall Monoliths #106 and #108 today. These Forms will be hauled to the Pratt Dr. Staging Area to be worked over starting on Thursday. Continued forming up Concrete collar for tie-in to existing Floodwall at East B/L Station 102+67. Began Structural Excavation on the West Bank from B/L Station 119+68 to Station 118+75. Worked on Temporary Access Road entrance. Began demolition of existing Concrete Floodwall at West B/L Station 119+68.50 †, to accomodate Sheet Pile tie-in work. Moved Vibratory Hammer, Pile driving template, Port-O-Let, etc., out from the East Bank to Robert E. Lee Blvd., West bank. Welded flat plate on Komatsu 200 bucket for grading Excavation.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	42	B & K	Wrecking I-Wall Forms; forming Concrete collar; moving equipment tools & materials to the West Bank. Breaking Concrete collar on the West Bank. (See locations above.)
7	Skilled	59	"	
1	Supt.	8	"	
1	Q. C. Rep.	9	"	

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	6	2	-
Komatsu D37P Dozer	-	Yes	3	5	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	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	-
JSW Excavator	-	Yes	3	5	-

TESTS PERFORMED  
(as required by plans/specifications)

None Performed today.  
Test Cylinders molded on 05/22/95 were delivered to the Government Lab today for compressive strength tests.

MATERIALS RECEIVED

None received today.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I inspected the Structural Excavation work done on the West Bank (Station 119+68 to Station 118+75). Elevation +2.60 was the bottom of the Excavation controlled by a Laser Level. Alignment was controlled by using pin flags on new I-Wall C/L, as well as offsets marked on the existing Floodwall. Excavated material all appeared to be suitable for backfill and embankment purposes, and was stockpiled partly on the Canal Side and partly on the Land Side of the existing Floodwall. The Levee Crown was widened on the Land Side using some of this material. No grubbing was required here.

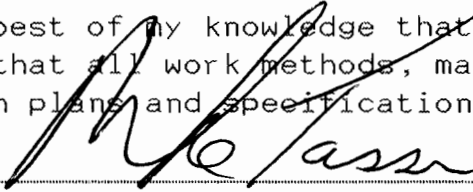
JOB SAFETY  
(Note inspection, violations/actions taken)

Checked Fire Extinguishers at the job trailer, the fuel storage area, the Mantis Crane, and the Komatsu 200 today. Five pound ABC Fire Extinguishers were on board the Mantis Crane, the Komatsu 200 and the Case 580 Backhoe. A ten pound ABC Extinguisher was Stationed approximately 70' from the diesel fuel tank. A 5 lb. Extinguisher was located near the exit door in the office trailer. All Extinguishers were fully charged and in good working condition. Clearing work consisted of removing Concrete washout and crushed Concrete surfacing material from the top of the Levee.

REMARKS  
(Instructions received, miscellaneous remarks)

Chris Wagner instructed us to wait on approval of Formwork submittal for the Concrete collars before placing any Concrete on these Floodwall tie-ins.

I certify to the best of my 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.

  
Authorized Q C Representative

05/24/95

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

127

TO Area Engineer,  
CELMN-CD-NO

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

DATE Sat., Sun. & Mon.  
20, 21 & 22 May 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 to  
Clear and 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 68°	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)

24 HOUR PRECIPITATION

INCHES 0.00"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 2-2 hrs	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 3-10 hrs	LABOR
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FEET 1.70'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-17 hrs	SKILLED 7-56 hrs	LABORERS 5-39 hrs	TOTAL 14-112	FROM 0730 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. - 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) Placed concrete for East Monos #106 and #108; Carpenters began building forms for the floodwall tie-in at EB/L Sta. 102+67; Finishers rubbed surfaces and repaired broken fractured fins on East Mono #105.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09, 10, 11, 12 & 19 May 95.  
50% of day lost due to adverse weather/high tides on 05 May 95.

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

No progressive work scheduled or performed on 20 & 21 May 95. Progressive work was scheduled and performed on Mon., 22 May 95. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 20.2%

PERCENT TIME ELAPSED: 46.8%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phase on Mon., 22 May 95:

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 on Mon., 22 May 95:

REINFORCED CONCRETE FLOODWALL: Performed Pre-Placement Inspections on East Monos #106 and #108 this date prior to placing concrete (see attached LMN Form 1246's). Observed placement and vibration of concrete this date. Concrete not being allowed to drop more than 5' as required, is being placed in lifts of less than 18", and is being well vibrated. Witnessed Mr. S. Thome of B&K performing required test and molding 3 test cylinders on concrete being used this date (see attached Concrete Field Data Sheet for test results). Observed finishers rubbing surfaces and repairing broken fractured fins on East Mono #105 this date. Noted that Monos #105 and #107 were covered with wetted burlene as required for curing, when not being worked on. Noted that carpenters began building forms for the floodwall tie-in at approx. EB/L Sta. 102+67.

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: As of COB this date, all I-Wall Monoliths have been placed between EB/L Sta's 102+67.72 and 119+02.30. All that remains in this reach is the tie-in concrete collars at both ends, and structural backfill.

NOTE: Contractor is scheduled to begin his next floodwall construction phase at WB/L Sta. 119+62.82 and proceeding southward along the west levee.

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		
D. DUHON	Suprv. Civ. Engr., GS-12	1 hr. (Mon)		SCE
C. WAGNER	Civ. Engr., GS-11	1 hr. (Mon)		PE
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 concrete finishers wearing rubber gloves and safety glasses this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 23 May 95	SUPERVISOR'S INITIALS 	DATE 5/26/95
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DATE 5-22-98

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:** Observed carpenters working on forms in storage area + laborers moving material from east side to west side for work in that area. Observed wet burlap blankets <sup>being used</sup> on previous placed walls for curing purposes. Flagmen being used to control traffic when trucks + equipment entering streets.

**Instructions to COC/Remarks:** Met w Supt: Mike Tesson regarding submittals and their next phase of construction. He informed us that they would be submitting their plan in the next few days.

Chris Wagner Proj Engr  
Name Title

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

DATE: 05/22/95

REPORT NO.: 163

SKIES: Clear

RAIN: 0

IN: TEMP: 68 MIN. 88 MAX.

DUST: Minimal LEVEE CONDITION: Dry

CANAL GAUGE:(1.7)NOISE: Moderate

WORK PERFORMED/LOCATION

05/20/95 - Saturday - No work performed.  
 05/21/95 - Sunday - No work performed.  
 05/22/95 - Monday - B & K CONSTRUCTION - Poured Concrete at East Monoliths #106 and #108 today at 9:30 AM and 11:30 AM. Carpenters began forming Concrete collar for Floodwall tie-in at Station 102+67. Cement Finishers patched & rubbed East I-Wall Monolith #105 (repairing broken fractured fins). Laborers began clean-up work on East Bank, preparing to move to the West Bank & resume Floodwall work there.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	39	B & K	Placing & finishing I-Wall Concrete; assembling Forms for Concrete collar at East B/L Station 102+67; Clean up of debris - East Bank.
7	Skilled	56	"	
1	Supt.	8	"	
1	Q. C. Rep.	9	"	



QUALITY CONTROL REPOF.  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	2	6	Yes
Komatsu D37P Dozer	-	Yes	2	6	-
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	6	2	-
JSW Excavator	-	Yes	6	2	-

TESTS PERFORMED  
(as required by plans/specifications)

B & K CONSTRUCTION - Performed Concrete testing and inspection on Mix #44 delivered by LAFARGE CONCRETE COMPANY today. SLUMPS were field determined at 2 3/4" and 4 1/4"; ENTRAINED AIR was measured at 5.8% and 5.9%. Concrete temperatures are approaching the 90, mark. Ice will have to be added to the mix at the batch plant on future Concrete pours.

MATERIALS RECEIVED

Received 36 c.y. of Concrete (Mix #44) from LAFARGE today, and placed this material in East I-Wall Monoliths #106 and #108. See "Tests Performed" for details of material inspection.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I inspected the I-Wall work done today on the East Bank (Monoliths #106 and #108). LMN Forms #1246 were completed prior to placement of Concrete as required. Only one deficiency was noted. Re-Steel clearance on Monolith #106 was only 1" at the south end Form and 4" at the north end Form. Carpenters moved the Wall Steel over and secured it with tie-wire. Final clearance measured 2 1/2" at both bulkheads prior to placement of Concrete.

I checked the fuel and oil storage dikes for leaks, or gaps in protection. No leaks were found, and the containment dikes were intact.

JOB SAFETY  
(Note inspection, violations/actions taken)

Purchased more rubber gloves, and issued these to employees who handle Cement and Concrete. Also provided these workers with safety glasses for eye protection, and instructed them to wear this protection whenever chipping Concrete, placing Concrete, or handling Cement, Mortar, or Grout.

The Job Safety Meeting was held today. See the Minutes attached to this report.

REMARKS  
(Instructions received, miscellaneous remarks)

None received today.

I certify to the best of my 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.

  
Authorized Q C Representative

05/23/95

Date

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 East # 106

LIFT NO. ONE

ELEVATION from 2.00 to 14.40

DATE OF POUR 5-22-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	5-22-95	8:10	ZAB	5-22-95	0915
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	5-22	8:10	ZAB	5-22-95	0915
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	5-22	8:15	ZAB	5-22-95	0915
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	5-22	8:20	ZAB	5-22-95	0920
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmg	5-22	8:20	ZAB	5-22-95	0920
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.85'	✓	"	"	✓	✓	✓
WIDTH 1.75 - 1.00'	✓	"	"	✓	✓	✓
HEIGHT 12.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmg	5-22	8:25	ZAB	5-22-95	0925
G. SAFETY (LIST)	Jmg	5-22	8:25	ZAB	5-22-95	0925
1. Eye Protection	✓	"	"	✓	✓	✓
2. Scaffold + Ladder	✓	"	"	✓	✓	✓
3. Rigging Check	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	5-22	8:25	ZAB	5-22-95	0925
Expansion Material	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#3612	11:45	1.5				
Concrete Bucket	1	1.0 cye	11:45	1.5				
Concrete Vibrator	1	18' Whip	11:45	1.5				

J. REMARKS SLUMP = 2 3/4" + 4 1/4"; AIR ENTR. = 5.8% + 5.9%; CONCRETE TEMPS = 86° + 89°;  
 AIR TEMPS = 87° + 90°; 3 Test Cylinders (LA-41)

**FINAL CLEARANCE**

CONTRACTOR REPRS: Jerry M. Justice C.O.E. REPRS: Zachary L. Lusk

**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  
 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 East # 108

LIFT NO. ONE

ELEVATION from 2.00 to 14.40

DATE OF POUR 5-22-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	5-22-95	8:30	ZJB	5-22-95	0900
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	Jmj	5-22	8:30	ZJB	5-22-95	0900
CLEANLINESS	✓	11	11	✓	✓	✓
WATERED	✓	11	11	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	5-22	8:35	ZJB	5-22-95	0900
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	Jmj	5-22	8:40	ZJB	5-22-95	0905
CONDITION	✓	11	11	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmg	5-22	8:40	ZAB	5-22-95	0905
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.84'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 12.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmg	5-22	8:45	ZAB	5-22-95	0910
G. SAFETY (LIST)	Jmg	5-22	8:45	ZAB	5-22-95	0910
1. Eye Protection	✓	"	"	✓	✓	✓
2. Rubber Gloves	✓	"	"	✓	✓	✓
3. Rigging Check	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	5-22	8:45	ZAB	5-22-95	0910
Expansion Material	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	3612	0925	2				
Concrete Bucket	1	1.0 c.y.	0925	2				
Concrete Vibrator	2	18' whip	0925	2				

J. REMARKS SLUMP = 2<sup>3</sup>/<sub>4</sub>" + 4<sup>1</sup>/<sub>4</sub>"; AIR ENTR. = 5.8% + 5.9%; CONCRETE TEMPS = 86° + 89°;  
 AIR TEMPS = 87° + 90° ; 3 Test Cylinders (LA-41)

**FINAL CLEARANCE**

CONTRACTOR REPRS: *Jerry M. Justice* C.O.E. REPRS: *Paul B. Bunt*

**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.

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

DATE: 5-22-95

Pour Location East I-Wall Monoliths #106 and #108

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.	
259352	9:25	9:50	1.5 °	10gal	2.75X	86°	87°	5.8	3	9:45	6
259361	10:05	10:35	2.0 °	17gal	4.0 °	86°	88°	-	-	10:15	12
259374	10:45	11:20	1.5 °	20gal	4.0 °	-	-	-	-	-	18
259408	11:38	11:56	1.0 °	25gal	4.0 °	-	-	-	-	-	24
259425	12:05	12:43	1.5 °	15gal	4.25X	89°	90°	5.9	-	-	30
259442	12:44	1:21	1.5 °	15gal	4.0 °	-	-	-	-	-	36

REMARKS:

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

TECHNICIAN:  
Steve Thome

B & K CONSTRUCTION  
MINUTES OF SAFETY MEETING

DATE: 05/22/95

TIME: 7:30 AM

PROJECT: DACW29-94-C-0079 LONDON AVENUE OUTFALL CANAL  
LONDON AVENUE FLOODWALL

MEETING CONDUCTED BY: JERRY JUSTICE

PERSONS ATTENDING: SEE ATTACHED

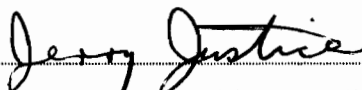
TOPICS DISCUSSED: TRAFFIC SAFETY

Flagmen must wear orange safety vests whenever flagging traffic or working in the roadway. You must also have an 18" orange flag or a Slow/Stop sign in you hand at all times. Never turn your back on moving vehicles, or assume that they see you and will stop. If attempts to stop a moving vehicle are unsuccessful, move out of the path of the vehicle, but continue to flag, and warn other workers of the danger.

Also discussed at today's safety meeting was prevention of falls from I-Wall formwork, ladders, and scaffolds. Carpenters were informed that they have the responsibility of checking the scaffolding and hand-rails each day. Any repairs must be made before the Concrete crew is allowed to begin placement. Workers were told not to attempt climbing the forms or ladders without having both hands free. Use a rope to raise or lower tools and/or materials. Keep the scaffolds free of loose materials or debris that could become a tripping hazard, or fall on someone below.

COMMENTS:

Cement finishing crew requested more rubber gloves for Concrete and grout work.



Q.C. REPRESENTATIVE  
B & K CONSTRUCTION



Safety Meeting  
Attendees List  
5-22-95

Jerry Justice  
Mike Conroy  
Bryan Verdun  
Joe Leonard  
Benny Audibert  
Steve Thone  
Mike  
Dale J. Sturgeon  
Drew Brown  
Willie Pitts  
Larry J. Lee  
Eric Bailey  
Kevin DuFaudant

**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  
126

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

DATE  
Friday  
19 May 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 & Warm

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 70°	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 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-7 hrs	TOTAL 1-7 hrs	LABOR
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Canal RIVER STAGE	FEET 1.80'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-18 hrs	SKILLED 7-52 hrs	LABORERS 5-32 hrs	TOTAL 14-102
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NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1		<input type="checkbox"/> 2	<input type="checkbox"/> 3
FROM 0730 M	TO 1700 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; LAYOUT
- b. \_\_\_\_\_
- 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) Completed forming for East Monos #106 and #108; Saw-cut Existing Floodwall Cap at WB/L Sta. 119+68.50; Repaired erosion control silt fence between EB/L Sta's 102+70 & 119+05.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09, 10, 11, 12 & 19 May 95.  
50% of day lost due to adverse weather/high tides on 05 May 95.

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

Progressive work was performed this date. However, work was limited due to wet ground conditions from previous rainfall. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 20.0%  
PERCENT TIME ELAPSED: 46.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:  
REINFORCED CONCRETE FLOODWALL: No instructions issued.  
EROSION CONTROL: 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 setting forms, for East Monos #106 and #108 this date. These forms are complete as of this date. Noted that East Monos #105 and #107 were covered with wetted burlene as required for curing. Observed contractor using a concrete saw to saw-cut the existing concrete cap floodwall at WB/L Sta. 119+68.50.

EROSION CONTROL: Observed contractor using 1-Kobota Excavator to move eroded material away from the existing silt fence, between EB/L Sta's 102+70 and 119+05. Also straightened up fence post and fencing in this location.

LAYOUT: Observed Contractor's Surveyor (J. Justice) laying-out and referencing the new wall line on the west levee, between WB/L Sta's 115+00 and 119+62.

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:**

NONE

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


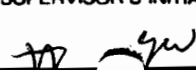
**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

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

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

Noted personnel operating concrete saw to be wearing proper face shield and leather gloves.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 22 May 95	SUPERVISOR'S INITIALS 	DATE 5/26/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 05/19/95

REPORT NO.: 162

SKIES: Clear

RAIN: 0

IN: TEMP: 70 MIN. 86 MAX.

DUST: None

LEVEE CONDITION: Wet

CANAL GAUGE:(1.8)NOISE: Minimal

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Carpenters completed forming East I-Wall Monoliths #106 and #108 today. These Monoliths are ready for Concrete, but can not be poured until Monday due to wet soil on the Levee. Laborers saw-cut existing Concrete Floodwall at West B/L Station 119+68.50 where tie-in will be made to new I-Wall. Worked on Safety Fence and Erosion Control on the East Bank and West Bank. Braces were added to the East I-Wall Monoliths #107 and #109. Survey Crew established Wall line and reference points on the West Bank from Station 119+62 to Station 115+00. Also marked elevation +6.75 on the existing Sheet Piling for Temporary Flood protection work.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	32	B & K	Forming I-Wall; finishing I-Wall
7	Skilled	52	"	Concrete surfaces; working on Erosion
1	Supt.	9	"	Control and Safety Fence, performing
1	Q. C. Rep.	9	"	survey - layout on the West Bank.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	No	0	8	Yes
Komatsu D37P Dozer	-	Yes	1	7	-
Kubota 151 Excavator	-	No	0	8	-
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	7	1	-
JSW Excavator	-	No	0	8	-
Komatsu 200 Excavator 2	DEP	-	-	-	-

TESTS PERFORMED  
(as required by plans/specifications)

None performed today.

MATERIALS RECEIVED

None received today.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Erosion Control work done on the East & West Bank today. The Silt Fence on the East Bank was repaired in several locations where the Geotextile material had been torn or fallen down. The soil was removed from the fence, and an extra strip of Geotextile was added as needed. Where possible, the Silt Fence material was pulled up and re-tied to the Safety Fence. On the West Bank, the Safety Fence was braced off to prevent movement of fence posts to the Land Side. Silt Fence here was constructed to a height of  $\pm$  3' due to the amount of soil expected along the fence after degrading and excavation of existing Levee.


JOB SAFETY  
(Note inspection, violations/actions taken)

Checked workers for eye protection while using the demolition saw and finishing Concrete. Goggles and a face shield were worn by the laborer using the demolition saw. Safety glasses were being worn by the Cement Finishers while chipping and rubbing Concrete surfaces. Hard hats were worn by all employees today.

REMARKS  
(Instructions received, miscellaneous remarks)

None.

I certify to the best of my 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.

  
Authorized Q C Representative

05/22/95

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  
125

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

DATE Thursday  
18 May 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 & 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 78°	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 1.25" ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-6 hrs	TOTAL 1-6 hrs	LABOR
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FEET 1.90'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-10 hrs	SKILLED 9- 51 hrs	LABORERS 5-25 hrs	TOTAL 16-86 hrs	FROM 0700M	TO 1200 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. \_\_\_\_\_

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 East Mono #107; Set forms for East Mono #108; Finishers patched tie-rod holes in East Mono #107 and rubbed surfaces of East Mono #105; Curing on East Monos #105 & #107.

b) Set & tied bottom resteel for East Monos #106 & #108, wall stem resteel for East Mono #108, and tied 1-extra resteel mat for wall stem section of East Mono #106 to be placed later.

Days of no work and reasons for same:  
100% of days lost due to adverse weather/high tides on 09, 10, 11 & 12 May 95.  
50% of days lost due to adverse weather/high tides on 05 May 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.  
Progressive work performed by B&K and Arcadia this date. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 20.0%  
PERCENT TIME ELAPSED: 46.1%

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 this date:

REINFORCED CONCRETE FLOODWALL: Checked East Mono #107 after forms were removed, and noted no broken fractured fins or major surface defects. Observed finishers plugging tie-rod holes in East Mono #107 with dry-pack mortar, and rubbing surfaces of East Mono #105 with a sand/cement grout. Observed carpenters installing forms for East Mono #108 this date. Noted that East Monos #105 and #108 were covered with wet burlene as required for curing this date.

RESTEEL INSTALLATION: Observed rod-busters setting and tying resteel for the top and bottom of East Mono #108, and the bottom of East Mono #106. Also tied 1-set of wall stem resteel on top of levee, to be placed after F/S for is in place on East Mono #106. All resteel was properly spaced in accordance with approved shop drawings, and were tied at 100%.

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: Contractor shut-down att operations at 1200 hrs. this date, to attend their Company Crawfish Boil in Mandeville, La. Will resume work on Fri., 19 May 95.

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	5 hrs.	QAR

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

Checked and found rod-busters wearing hard hats, steel-toed boots, and leather gloves while working this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

*Zane D. Bryant, Jr.*  
ZANE D. BRYANT, JR.

DATE

19 May 95

SUPERVISOR'S INITIALS

*TV*

DATE

5/25/95



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

DATE: 05/18/95

REPORT NO.: 161

SKIES: Pt. Cloudy

RAIN: 1.25 IN: TEMP: 78 MIN. 89 MAX.

DUST: Minimal LEVEE CONDITION: Dry

CANAL GAUGE:(1.9)NOISE: Minimal

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked East Monolith #107. Then cleaned, oiled and set these Forms at East Monolith #108. Cement Finishers patched tie-bolt holes at East Monolith #107, then laborers covered this Monolith with wet Burlene. Cement Finishers continued patching & rubbing East Monolith #105. Survey Crew continued establishing vertical control on the West Bank.

ARCADIA REBAR - Tied Reinforcing Steel at East I-Wall Monolith #108 (bottom & top), and East Monolith #106 (bottom only). Also pre-tied one Re-Steel Wall Curtain to be placed at East Monolith #106 tomorrow.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	25	B & K	Wrecking and setting Forms for I-Wall; patching & finishing Concrete I-Wall; establishing vertical control on the West Bank. (See locations above.)
7	Skilled	35	"	
1	Supt.	5	"	
1	Q. C. Rep.	5	"	
2	Skilled	16	ARCADIA REBAR	Tying Re-Steel for new I-Wall. (See locations above.)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	No	0	5	Yes
Komatsu D37P Dozer	-	Yes	1	4	-
Kubota 151 Excavator	-	No	0	5	-
Case 580 Backhoe	-	Yes	1	4	-
Koehring 535 Crane	-	No	0	5	-
MKT Vibro Hammer	-	No	0	5	-
Fiat-Allis MotorGrader	-	No	0	5	-
Mantis 3612 Crane	-	Yes	4	1	-
JSW Excavator	-	No	0	5	-
Komatsu 200 Excavator 2	-	No	0	5	-

TESTS PERFORMED  
(as required by plans/specifications)

None performed today. B & K delivered 6 test cylinders to the Government Lab today. (From 05/16 and 05/17.)

MATERIALS RECEIVED

None received today.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Erosion Control (Silt Fence) on the East Bank between Robert E. Lee Blvd. and Pumping Station #4. Erosion Control was continuous throughout this reach. No gaps or breaks were found in the Geotextile material.

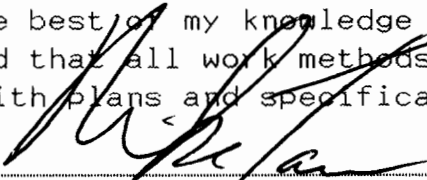
JOB SAFETY  
(Note inspection, violations/actions taken)

Checked the Mantis Crane's wire rope lifting cables today. No broken strands or flattened sections were found. No signs of excessive wear or damage were observed. Headache ball had a good working safety latch to prevent rigging from coming out of the hook accidentally.

REMARKS  
(Instructions received, miscellaneous remarks)

Only worked half a day today due to the B & K COMPANY CRAWFISH BOIL.

I certify to the best of my 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

05/19/95

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  
124

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

DATE Wednesday  
17 May 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 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 0.00" ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-6 hrs	TOTAL 1-6 hrs	LABOR
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FEET 2.00'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-17 hrs	SKILLED 7-57 hrs	LABORERS 5-39 hrs	TOTAL 14-113
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FROM 0700 M	TO 1630 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; EROSION CONTROL
- b. \_\_\_\_\_
- 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) Wrecked forms from East Mono #105; Set forms and placed concrete for East Mono #107; Set top mat of resteel for wall stem section of East Mono #107; Rubbed surfaces of East Monos #105 and #109; Cured East Mono #105; Added additional fabric to silt fence on west levee between WB/L Sta's 108+00 and 117+00.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09, 10, 11 & 12 May 95.  
50% of day lost due to adverse weather/high tides on 05 May 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. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 20.0%  
PERCENT TIME ELAPSED: 46.0%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:  
REINFORCED CONCRETE FLOODWALL: No instructions issued.  
EROSION CONTROL: 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: Checked surfaces and fractured fins of East Mono #105 after forms were removed. No major defects noted. Finisher immediately plugged tie-rod holes in East Mono #105 this date. Performed a Pre-Placement Inspection on East Mono #107 prior to placing concrete (see attached LMN Form 1246). Observed placement and vibration of concrete for East Mono #107 this date. Concrete being placed in lifts of less than 18" and is not being allowed to drop more than 5' as required. Concrete is being well vibrated. Witnessed CQC Rep. performing required concrete test and molding 3 test cylinders on concrete used this date (see attached sheet for results). Checked alignment and plumbness of forms for East Mono #107 using contractor's transit, found to be plumb and on good alignment. Noted that top chamfer strips were set at elev. +14.42'(P/S) and +14.00'(F/S).

EROSION CONTROL: Noted that Contractor had added additional fabric to the top of the existing fabric, along the L/S slope of the west levee, between WB/L Sta's 108+00 & 117+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)**

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	5 hrs.	QAR

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

Checked and found Contractor had repaired the back-up alarm on the Komatsu D37P dozer this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 18 May 95	SUPERVISOR'S INITIALS 	DATE 5/24/95
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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  
 East # 107

 LIFT NO.  
 ONE

 ELEVATION  
 from 2.00 to 14.40

 DATE OF POUR  
 5-17-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	5-17-95	12:10	ZAB	5-17-95	1220
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	5-17	12:10	ZAB	5-17-95	1220
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	5-17	12:15	ZAB	5-17-95	1220
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	5-17	12:15	ZAB	5-17-95	1225
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			VIEWED BY C.O.E.					
	NAME	DATE	TIME	NAME	DATE	TIME			
E. FORMWORK (CONT)									
ALIGNMENT	JmJ	5-17-95	12:15	ZAB	5-17-95	12:25			
CLEANLINESS	✓	"	"	✓	✓	✓			
RELEASING AGENT	✓	"	"	✓	✓	✓			
TIES AND BOLTS	✓	"	"	✓	✓	✓			
LENGTH 28.85'	✓	"	"	✓	✓	✓			
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓			
HEIGHT 12.40'	✓	"	"	✓	✓	✓			
WATERSTOPS	✓	"	"	✓	✓	✓			
CHAMFER STRIPS	✓	"	"	✓	✓	✓			
F. WEATHER PROTECTION	JmJ	5-17	12:20	ZAB	5-17-95	12:30			
G. SAFETY (LIST)	JmJ	5-17	12:20	ZAB	5-17-95	12:30			
1. Safety Glasses	✓	"	"	✓	✓	✓			
2. Scaffold & Ladder	✓	"	"	✓	✓	✓			
3. Rigging Check	✓	"	"	✓	✓	✓			
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	5-17	12:20	-	-	-			
Expansion Material	NONE THIS POUR								
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS	
Mantis Crane	1	36/2	12:30	2					
Concrete Bucket	1	1.0 c.y.	12:30	2					
Concrete Vibrator	1	18' whip	12:30	2					
J. REMARKS	SLUMP = 4" and 3.75"; AIR ENTR. = 5.8% + 6.0%; CONCRETE TEMPS = 88° + 89°; AIR TEMPS = 89° + 91° ; 3 Test Cylinders (LA-40)								
FINAL CLEARANCE									
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: Farrell 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: 05/17/95

REPORT NO.: 160

SKIES: Clear - Pt. Cloudy      RAIN: 0      IN: TEMP: 78      MIN. 92      MAX.

DUST: Minimal      LEVEE CONDITION: Dry      CANAL GAUGE:(2.0)      NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked East I-Wall Monolith #105 today. Cleaned, oiled, and set these Forms at East Monolith #107. (B & K CONSTRUCTION had to set the pre-tied Wall Reinforcing Steel at this Monolith today.) Poured Concrete at East Monolith #107 at 12:30 this afternoon. Cement Finishers patched & rubbed Concrete surfaces at East Monoliths #105 and #109 (not completed yet). Laborers added Geotextile to Silt Fence on the West Bank between Station 117+00 and Station 108+00. Survey Crew ran TBM Loop on the West Bank from Robert E. Lee Blvd., establishing bench marks for Floodwall construction.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	39	B & K	Forming, pouring, finishing, and curing Concrete I-Wall; adding Erosion Control Geotextile layer to Silt Fence; establishing vertical control on the West Bank.
7	Skilled	57	"	
1	Supt.	9	"	
1	Q. C. Rep.	8	"	

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	No	0	8	-
Komatsu D37P Dozer	-	Yes	2	6	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	No	0	8	-
MKT Vibro Hammer	-	No	0	8	-
Fiat-Allis MotorGrader	-	No	0	8	-
Mantis 3612 Crane	-	Yes	7	1	-
JSW Excavator	-	No	0	8	-
Komatsu 200 Excavator 2	-	No	0	8	-

TESTS PERFORMED  
(as required by plans/specifications)

B & K CONSTRUCTION - Performed Concrete testing and inspection on the material delivered by LAFARGE CONCRETE COMPANY today. SLUMPS were recorded at 4" and 3 3/4"; ENTRAINED AIR was 5.8% and 6.0%. TEMPERATURE of Concrete is very close to the 90, limit, and it may be necessary to add ice at the Batch Plant on the next pour. Three test cylinders were molded and will be delivered to the Government Lab tomorrow.

MATERIALS RECEIVED

Received 18 c.y. of Concrete (Mix #44) from LAFARGE today, and placed this material in East I-Wall Monolith #107 today. See "Tests Performed" and the Concrete Field Data Summary for material inspection details.  
Also received make-up Reinforcing Steel from LULICH STEEL COMPANY to finish I-Wall East Monoliths #106 and #108.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the condition of the I-Wall Form, & I-Wall Concrete placement today. The condition of the Forms was not excellent, but still acceptable. These Forms will be worked over and possibly re-faced before starting the next reach of Floodwall. The Forms were clean and oiled prior to today's Concrete pour. The placement methods were checked, and found to be in compliance with the Contract Specifications. The placing Foreman checked times and temperatures on delivery trucks and recorded this information on the Concrete Field Data Summary. Trimmie chutes were used to reduce the vertical drop to less than 5'. Each 18" layer of Concrete was fully consolidated using a Wacker Vibrator with an 18' long whip.

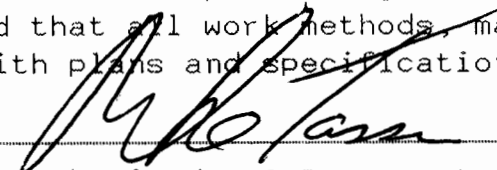
JOB SAFETY  
(Note inspection, violations/actions taken)

Repaired the broken reverse alarm on the Komatsu D-37 Dozer today. Checked this alarm and found it to be working properly once again. Also checked the reverse alarm on the Case 580 Backhoe. It was in good working order today.

REMARKS  
(Instructions received, miscellaneous remarks)

A half day of work is planned for tomorrow due to the company Crayfish Boil in Mandeville.

I certify to the best of my 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.

  
Authorized Q C Representative

05/18/95

Date

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

DATE: 5-17-95

Pour Location East I-Wall Monolith #107

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.
258529	12:26	12:46	3" $\odot$	5 gallon	4" $\odot$	88° 89°	—	—	—	6
258539	1:05	1:30	2" $\odot$	10 gallon	4" X	89° 91°	6.0	3	1:20	17
274417	1:50	2:30	2" $\odot$	10 gallon	3.75x	88° 89°	5.8	—	2:05	18

REMARKS:

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

123

TO Area Engineer,  
CELMN-CD-NO

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

DATE Tuesday  
16 May 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 78°	MAXIMUM 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 0.00"	ENDING 0730	M
-----------------	----------------	---

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 2-3 hrs	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 3-11 hrs	LABOR
------------------------	--------	--------	-----------------------	-------------------	-------

FEET 1.90'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1  2  3

SUPERVISORY 2-19 hrs	SKILLED 7-68 hrs	LABORERS 5-42 hrs	TOTAL 14-129
-------------------------	---------------------	----------------------	-----------------

FROM 0730 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; EROSION CONTROL
- 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 installation of forms for East Mono #105; Placed concrete for East Mono #105; Rubbed surfaces of East Mono #110; Added extra fabric to silt fence along west levee south of R. E. Lee Blvd.; Sampled & Tested concrete used this date.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09, 10, 11 & 12 May 95.  
50% of days lost due to adverse weather/high tides on 05 May 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. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 19.9%  
PERCENT TIME ELAPSED: 45.8%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- EROSION CONTROL: 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 a Pre-Placement Inspection on East Mono #105 prior to placing concrete. Observed Contr. placing and vibrating concrete into forms for East Mono #105 this date. Concrete is being placed in lifts of less than 18" and not being allowed to drop more than 5' as required. Concrete is being well vibrated. Checked alignment of forms throughout the concrete placement. Witnessed CQC Rep. performing required concrete test and molding 3 test cylinders on concrete used this date (see attached sheet for results). Observed finisher rubbing surfaces of East Mono #110 this date.

**EROSION CONTROL:** Noted that contractor personnel was adding another strip of silt fabric material to the top of the existing silt fence, south of R. E. Lee Blvd. on the West Levee.

**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:** Contractor anticipates beginning work on the west levee, beginning at R. E. Lee Blvd., and proceeding south toward the Prentiss Ave. Staging Area.

**NOTE:** PE, C. Wagner informed M. Tassin of B&K via phone conversation this date, that their submittals for the Concrete Floodwall Tie-in Collars on the East Levee at approx. EB/L Sta's 102+65 and 119+05, was disapproved. Resubmittal is required.

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**

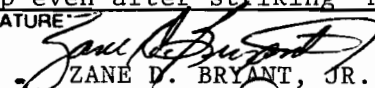
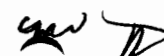
<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
D. DUHON	Suprv. Civ. Engr., GS-12	1 hr.	SCE
C. WAGNER	Civ. Engr., GS-11	2 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	7 hrs.	QAR

VISITORS: H. Colon and R. Vazquez both of CELMN-CD-QS

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

Noted that the back-up alarm was not working on the Komatsu D37P Dozer this date. Instructed contractor to have this repaired ASAP. Mr. Tassin stated he would concur.

**NOTE:** At approx. 1200 hrs. this date, Mr. G. Jackson was struck by a tow-truck while directing traffic on the London Ave. Canal Bridge at R. E. Lee Blvd. Driver of truck had stopped, then proceeded after informing Mr. Jackson that he wasn't going to wait. Driver of truck didn't stop even after striking Mr. Jackson. Police Report was filed by Orleans Levee Police.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 17 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/23/95
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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  
 East # 105

LIFT NO.  
 ONE

ELEVATION  
 from 2.00 to 14.40

DATE OF POUR  
 5-16-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	5-16-95	12:50	ZAB	5-16-95	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	5-16	12:55	ZAB	5-16-95	1300
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	5-16	12:55	ZAB	5-16-95	1300
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	5-16	1:00	ZAB	5-16-95	1305
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			VIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	5-16-95	1:00	ZJB	5-16-95	1305		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 18.04'	✓	"	"	✓	✓	✓		
WIDTH 1.75' to 1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	5-16	1:05	ZJB	5-16-95	1310		
G. SAFETY (LIST)	Jmj	5-16	1:05	ZJB	5-16-95	1310		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Ladder + Scaffold	✓	"	"	✓	✓	✓		
3. Rigging Check	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	5-16	1:10	ZJB	—	—		
Expansion Material	NONE This Pour	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	3612	1350	1.75				
Concrete Bucket	1	1.0 c.y.	1350	1.75				
Concrete Vibrator	1	18' whip	1350	1.75				
J. REMARKS	SLUMP = 3.5" + 4.0" ; AIR ENTR. = 5.7% + 5.8% ; CONCRETE TEMPS = 86° + 87° ; AIR TEMPS = 91° + 91° ; 3 Test Cylinders (LA-39)							
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.								

DATE 5-16-98

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:**

Observed contractor personnel setting forms for concrete placement later today. Surveyor was observed checking alignment. Laborers were seen working on silt fence repairing areas which were deficient.

**Instructions to COC/Remarks:**

Hold QA inspection on jobsite with Const. Div personnel. Everything O.K.

Chris Wagner Proj Engr  
Name Title

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

DATE: 05/16/95

REPORT NO.: 159

SKIES: Clear

RAIN: 0

IN: TEMP: 78 MIN. 92 MAX.

DUST: Minimal LEVEE CONDITION: Dry

CANAL GAUGE:(1.9)NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Completed forming East I-Wall Monolith #105. Placed Concrete at East Monolith #105 at 1:45 PM today. Carpenters installed Expansion material at East Monolith #108 (one side only), and set kick-plates for Formwork at East Monolith #107. Cement Finishers patched and rubbed East Monolith #110. Operators moved equipment out of the way, and walked the Koehring Crane out to Robert E. Lee Blvd.; preparing to begin Sheet Piling work on the next reach of Floodwall. Laborers cut grass & weeds, flagged traffic, cleaned dirt off of the public streets, and helped with Floodwall work. Also began adding an extra strip of Geotextile along the Silt Fence on the West Bank between Robert E. Lee Blvd. and Prentiss Avenue.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	42	B & K	Forming & pouring I-Wall Monoliths; Finishing Concrete surfaces on I-Wall Monoliths; cutting grass & weeds on the Levee.
7	Skilled	68	"	
1	Supt.	10	"	
1	Q. C. Rep.	9	"	

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	2	6	-
Komatsu D37P Dozer	-	Yes	2	6	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	No	0	8	-
MKT Vibro Hammer	-	No	0	8	-
Fiat-Allis MotorGrader	-	No	0	8	-
Mantis 3612 Crane	-	Yes	7	1	-
JSW Excavator	-	Yes	2	6	-
Komatsu 200 Excavator 2	-	No	0	8	-

TESTS PERFORMED  
(as required by plans/specifications)

B & K CONSTRUCTION - Performed Concrete tests and inspection on material delivered by LAFARGE CONCRETE COMPANY today. SLUMPS measured today were 3 1/2" and 4"; AIR CONTENT measured 5.7% and 5.8%. Three test cylinders were molded from today's Concrete delivery, and these will be delivered to the Government Lab tomorrow. (See B & K CONSTRUCTION'S "Concrete Field Data Summary" for details.)

MATERIALS RECEIVED

Received 12 c.y. of Concrete (Mix #44-C) from LAFARGE CONCRETE COMPANY today, and placed this material in East I-Wall Monolith #105. (See "Tests Performed" for Concrete inspection results.)

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Formwork and embedded items on the I-Wall Monolith poured today. Alignment was controlled using a transit, working off of the 2.5' offset to C/L. Forms were plumbed and aligned to the correct location at the beginning and again at the end of the Concrete pour. Elevation +3.50 was marked on the new Sheet Piling as a control elevation. Carpenters shimmed their Forms up to elevation +2.00 (bottom of Concrete) and set chamfer strip at the top of the Wall 10.90' above the control elevation mark on the Canal Side, and 10.92' above the mark on the Land Side. Reinforcing Steel, waterstop, and form liner all were installed in accordance with Contract Drawings. (See LMN Form #1246.)

JOB SAFETY  
(Note inspection, violations/actions taken)

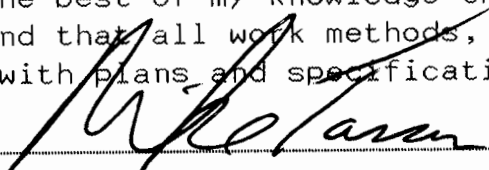
Checked the reverse alarm on the Komatsu D-37 Dozer today. Found that the alarm was not working at all. This problem will be corrected tomorrow.

Checked the ladder at the I-Wall scaffold today. The ladder was secured at the top to prevent movement. The ladder was in good condition, with no broken parts or defects.

REMARKS  
(Instructions received, miscellaneous remarks)

Formwork submittal for Concrete Floodwall tie-ins was disapproved (per verbal instructions from Chris Wagner today).

I certify to the best of my 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

05/17/95

Date

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

DATE: 5-16-95

Pour Location East Monolith #105

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.
258336	1:50	2:15	2"	15 gal.	3.5" x	87° 91°	5.7%	3	1:55	6
258339	2:30	3:07	3"	5 gal.	4.0" x	86° 91°	5.8%	—	2:50	12

REMARKS: Make-up Monolith - 18.04' Long

NOTE: "x" = Actual 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

122

TO Area Engineer,  
CELMN-CD-NO

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

DATE Sat., Sun. & Mon.  
13, 14 & 15 May 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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

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

MINIMUM	MAXIMUM
77°	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	ENDING
0.00"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			1-7 hrs.	1-7 hrs.	

FEET	TIME
2.50'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1  2  3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
2-18½ hrs	6-50 hrs	5-39 hrs	13-107½	0730 M	1800 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. - 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) Set floodside form and wall stem resteel mat for East Mono #105; Rubbed surfaces of East Monos #111 and #112; Cut grass between fences on West Levee and in the South Staging Area.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09, 10, 11 & 12 May 95.  
50% of day lost due to adverse weather/high tides on 05 May 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 this date. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 19.9%  
PERCENT TIME ELAPSED: 45.6%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following Follow-Up QA Inspection on Mon., 15 May 95:  
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 QOC ACTIVITIES**

The following QA Inspections were performed on Mon., 15 May 95:

REINFORCED CONCRETE FLOODWALL: Observed B&K setting top wall stem resteel mats for East Mono #105. Also observed B&K setting the F/S form for East Mono #105. Noted that Contr. was modifying forms for East Mono #105, due to it being a shorter monolith that all the other monoliths in this reach. This monolith is approx. 18.5' long, instead of the standard 28.87'. Observed finishers rubbing surfaces of East Monos #111 and #112 this date, patching all holes 1/2" and larger in the flush surfaces of these monoliths.

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

NOTE: Noted that Contractor had 1-laborer cutting grass on the west levee between R.E. Lee Blvd. and Filmore Ave., between the fences and in the South Staging Area 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).

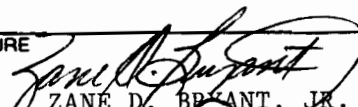
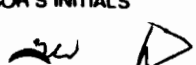
**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

<u>GOVERNMENT PERSONNEL ON SITE</u>			
<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
Z. BRYANT	Const. Insp., GS-07	6 hrs. (Mon)	QAR

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

Checked and found that person using a weed eater was wearing a hard hat, safety goggles, and steel-toed boots this date (15 May 95).

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 16 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/22/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 05/15/95

REPORT NO.: 158

SKIES: Clear

RAIN: 0

IN: TEMP: 77 MIN. 90 MAX.

DUST: Miniml LEVEE CONDITION: Dry

CANAL GAUGE:(2.5)NOISE: Minimal

WORK PERFORMED/LOCATION

05/13/95 - Saturday - No work performed. Levee conditions still wet.

05/14/95 - Sunday - No work performed. Good drying conditions today.

05/15/95 - Monday - B & K CONSTRUCTION - Carpenters modified I-Wall Forms for make-up Monolith (18.5' long). Cleaned, oiled, and set Canal Side Form at this short Monolith (East #105). Placed the pre-tied Wall Steel at East Monolith #105. Laborers cleaned the Stabilization Slab and Re-Steel, pumped water out of Excavation. Cement Finishers patched & rubbed Concrete surfaces at East Monoliths #111 and #112. Laborer cut grass on the Levee, and between the fences.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	39	B & K	Forming I-Wall; finishing I-Wall Concrete; placing Reinforcing Steel; cutting grass & weeds on the Levee.
6	Skilled	50	"	
1	Supt.	10.5	"	
1	Q. C. Rep.	8	"	

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	2	6	-
Komatsu D37P Dozer	-	Yes	2	6	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	No	0	8	-
MKT Vibro Hammer	-	No	0	8	-
Fiat-Allis MotorGrader	-	No	0	8	-
Mantis 3612 Crane	-	Yes	5	3	-
JSW Excavator	-	Yes	1	7	-
Komatsu 200 Excavator 2	-	Yes	1	7	-

TESTS PERFORMED  
(as required by plans/specifications)

None performed today.

MATERIALS RECEIVED

None received today.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Reinforcing Steel placed today at East I-Wall Monolith #105. Vertical bars were counted and found to be the correct size and number. 82 bent bars and 82 #5 straight bars were installed at the top section of the Wall. 10 #5 horizontal bars were installed at the bottom of the Wall, and 20 #4 horizontals were counted at the top of the Wall. U-bars were also counted and found to be installed correctly, and the correct number of bars were placed. (16 #5 U-1 bars; 21 #4 U-2 bars; 10 #4 U-3 bars; and 20 #4 U-4 bars.) 8 #5 bars 5' 0" long (horizontal) were also installed at the bottom of the Wall in between the 28'6" horizontals.

The Formwork at this Monolith will be inspected tomorrow when complete.

JOB SAFETY  
(Note inspection, violations/actions taken)

Checked Safety Fence and gates at Robert E. Lee Blvd.. Gates were locked at the end of the work day. Safety Fence was intact, and "KEEP OUT" signs were in place.

REMARKS  
(Instructions received, miscellaneous remarks)

None.

I certify to the best of my 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

05/16/95

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

121

TO Area Engineer,  
CELMN-CD-NO

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

DATE Friday  
12 May 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 & Warm

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 68°	MAXIMUM 85°
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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 Trace	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 1-8 hrs	LABOR
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FEET 2.70'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-8 hrs	SKILLED 0-0 hrs	LABORERS 0-0 hrs	TOTAL 2-8 hrs
---------------------	-----------------	------------------	---------------

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 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 work performed this date, due to very wet ground conditions from previous rainfalls and high tides in the adjacent London Ave. Canal.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09, 10, 11 & 12 May 95.  
50% of day lost due to adverse weather/high tides on 05 May 95.

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

No progressive work performed by contractors this date, due to very wet ground conditions from previous rainfalls and high tides.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 19.9%  
PERCENT TIME ELAPSED: 45.1%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

No CQC Inspection Phases were attended this date, due to no work being performed by 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 contractors, due to wet ground conditions and high tides, from previous rainfalls. However, did walk through the jobsite between EB/L Sta's 102+64 and 119+05 and noted that all equipment were secured and all access gates to jobsite were closed and locked.

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: Received Contractor's QC Reports for the period of 08 thru 12 May 1995, this date. All CQC Reports are attached to this QA Report.

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

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

Noted all access gates were closed and locked as of 1400 hrs. this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

*Zane D. Bryant, Jr.*  
ZANE D. BRYANT, JR.

DATE

15 MAY 95

SUPERVISOR'S INITIALS

*me* *TD*

DATE

5/22/95





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

RAIN: 0.15" Thurs.  
 Trace Friday

DATE: 05/11/95 and 05/12/95

REPORT NO.: 157

See

SKIES: Cloudy / Rain

RAIN: Above IN: TEMP: 68 MIN. 85 MAX.

DUST: None

LEVEE CONDITION: Wet

CANAL GAUGE:(2.7)NOISE: None

WORK PERFORMED/LOCATION

05/11/95 - Thursday - No work performed due to wet soil, high tide and more rain falling.

05/12/95 - Friday - No work performed due to wet soil, high tide, and more rain falling.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
1	Supt.	8	B & K	Checking site conditions, Temp. Flood Protection and planning future work.
1	Q.C. Rep.	6	"	

QUALITY CONTROL REPC. .  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	No	0	8	-
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	-	No	0	8	-
JSW Excavator	-	No	0	8	-
Komatsu 200 Excavator 2	-	No	0	8	-

TESTS PERFORMED  
(as required by plans/specifications)

DELTA TESTING - Picked up three Concrete test cylinders today, and delivered them to the Government Laboratory for compressive strength tests.

No other tests performed today.

MATERIALS RECEIVED

None received today.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Checked Erosion Control and found most of it to be in good condition. All fences and gates were still standing and closed. Some miscellaneous limbs and debris were scattered through out the job site. All sand bagged areas were in excellent shape.

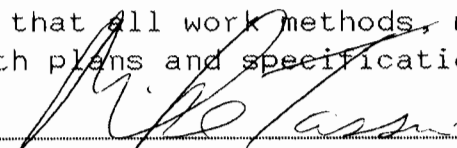
JOB SAFETY  
(Note inspection, violations/actions taken)

None.

REMARKS  
(Instructions received, miscellaneous remarks)

None.

I certify to the best of my 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

05/15/95

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  
120

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

DATE  
Thursday  
11 May 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 Lt. 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 68°	MAXIMUM 83°
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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 1-1 hr.	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 2-9 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 2-6 hrs	SKILLED 0-0 hrs	LABORERS 0-0 hrs	TOTAL 2-6 hrs	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 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 was performed this date by contractors, due to rain and very wet ground conditions from previous rainfalls.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09, 10 & 11 May 95.  
50% of day lost due to adverse weather/high tides on 05 May 95.

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

No progressive work was performed by contractors due to adverse weather conditions and very wet ground conditions from previous rainfalls.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 19.9%

PERCENT TIME ELAPSED: 45.0%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

No CQC Inspection Phases attended this date, due to no work being performed by contractors.

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 Inspection was performed this date:

TEMPORARY FLOOD PROTECTION: Made continuance checks on the canal water elevations throughout this date, and noted the water elevation ranged between elevations +3.30' and +3.10'. The top of all temporary flood protection sheet piles are at elev. +6.75' as required between approx. B/L Sta's 102+64 and 119+05. No leaks or breaches were noted in the sheet pile interlocks.

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
Z. BRYANT	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.)

No safety inspections were performed this date, due to no work being performed by contractors.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

  
ZANE D. BRYANT, JR.

DATE

15 MAY 95

SUPERVISOR'S INITIALS



DATE

5/19/95



DATE 5-11-95

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:** No work performed  
due wet conditions from previous rains.  
Silt fence remained in good condition between  
R. E. Lane + Pump Sta #4, keeping silt  
material from runoff into adjacent backyards

**Instructions to COC/Remarks:** None today.

Chas Hagner Proj Engr  
Name Title



**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

119

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

DATE Tuesday & Wednesday  
09 & 10 May 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 Flash Floods

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 0/0 %	BORROW EXCAVATION 0/0 %	EMBANKMENT 0/0 %	CONCRETE 0/0 %	STRUCTURE 0/0 %
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MINIMUM 65°	MAXIMUM 85°
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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 8.25"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 1-1 hr.	OFFICE	LAYOUT	INSPECTION 1-3 hrs	TOTAL 2-4 hrs	LABOR
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FEET 3.70'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 0-0 hrs	SKILLED 0-0 hrs	LABORERS 0-0 hrs	TOTAL 0-0 hrs	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. - NO WORK PERFORMED THIS PERIOD !

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

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)

No work performed this period by contractors, due to adverse weather conditions, and very high tides in the London Ave. Canal.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 09 & 10 May 95.  
50% of day lost due to adverse weather/high tides on 05 May 95.

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

No progressive work was performed this period, due to adverse weather conditions and very high water in the London Ave. Canal.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 19.9%

PERCENT TIME ELAPSED: 44.8%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

No CQC Inspection Phases were attended this period, due to no work being performed by any of the contractors, due to adverse weather conditions.

The following QA Inspections were performed on 09 and 10 May 95:

EROSION CONTROL: Inspected the silt fencing along the L/S slope of the existing east levee between EB/L Sta's 102+70 and 119+05. Noted approx. 4 areas where the fence had lain partially over, and water had flowed over the top. However, no silt material was washed over the top of the silt fence material.

TEMPORARY FLOOD PROTECTION: Checked water elevation on the canal and found it to be at elev. +3.70' on both days (09 & 10 May 95). The top of the existing temporary flood protection sheet piles are at elev. +6.75', between EB/L Sta's 102+65 and 119+05. No leaks were observed through the sheet pile interlocks on either day.

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: Between approx. 1900 hrs. on Monday 08 May 95, and 0730 hrs. on Thu., 11 May 95, this project had received approx. 18.25" of rain. Causing very wet ground conditions and extremely high water elevations in the adjacent London ave. Canal.



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. (Wed)		PE
Z. BRYANT	Const. Insp., GS-07	1 hr. (Tue)		QAR
		2 hrs. (Wed)		

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

Checked and found all equipment secured on jobsite.  
No safety infractions were noted this period.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 12 May 95	SUPERVISOR'S INITIALS 	DATE 5/17/95
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DATE: 5-10-95

# QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:**

No work performed due to heavy rainfall + severe flooding. Checked elevation of canal which was approx 3.6' + tie-ins w Robert. E. Lee + Pumping Sta #4. Sheet piles were continuous + sand bags placed @ tie-ins to maintain 6.75' ft. temp protection. No problems encountered nor leaks observed.

**Instructions to COC/Remarks:**

N/A

Chunf Wagner Proj Engr  
Name Title

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

DATE: 05/09/95 and  
 05/10/95

REPORT NO.: 156

SKIES: Cloudy / Rain

RAIN: † 18.0 IN: TEMP: 74 MIN. 86 MAX.

DUST: None

LEVEE CONDITION: Wet

CANAL GAUGE:(4.7)NOISE: None

WORK PERFORMED/LOCATION

05/09/95 - Tuesday - No work due to severe weather today. Rainfall amount since Monday night at 6:00 PM exceeded 14 inches at Pumping Station #4.

05/10/95 - Wednesday - No work performed due to wet soil and thunderstorms this morning. An additional 4" to 5" of rain fell today before noon.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
1	Supt.	2	B & K	Check site conditions and Temp.
1	Q.C. Rep.	2	"	Flood Protection.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	--	No	0	8	-
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	-	No	0	8	-
JSW Excavator	-	No	0	8	-
Komatsu 200 Excavator 2	-	No	0	8	-

TESTS PERFORMED  
(as required by plans/specifications)

None these dates.

MATERIALS RECEIVED

None these dates.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Checked the Temporary Flood Protection on the East Bank between Station 119+00 and Station 102+65. No gaps, breaks or openings of any kind were noted. Sandbags were stacked up to elevation + 6.75 at 3 places along this reach. The two tie-in spots (at 119+00 and 102+67) and one spot near the middle of this reach where two small holes were cut in the Sheets for construction purposes. Sandbags were stacked 3 deep and appeared completely secure.

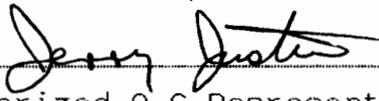
JOB SAFETY  
(Note inspection, violations/actions taken)

Checked for oil drums or buckets on the Levee that could spill and pollute the Canal during the high tide. All oil containers were stored on the Protected Side of the Sheet Piling. No oil or other pollutants entered the Canal waters.

REMARKS  
(Instructions received, miscellaneous remarks)

Levee conditions are so saturated that this entire work week is lost.

I certify to the best of my 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

05/11/95

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  
118

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

DATE Sat., Sun. & Mon.  
06, 07 & 08 May 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 & Warm  
to Cloudy with Rain

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 68°	MAXIMUM 87°
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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 +10.00"	ENDING 1100	M
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NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-7 hrs	TOTAL 1-7 hrs	LABOR
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Canal RIVER STAGE

FEET 1.90'	TIME 0700	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 1-9 hrs	SKILLED 9-74 hrs	LABORERS 5-45 hrs	TOTAL 15-128
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NUMBER OF SHIFTS

1  2  3

FROM 0730 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. - REINFORCED CONCRETE FLOODWALL; EROSION CONTROL
- 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 by letter in Table above.)  
a) Set forms and placed concrete for East Mono #110; Rubbed surfaces of East Monos #112; Curing of East Monos; Repairs to Erosion Control.  
b) Set and tied top and bottom resteel for East Mono #110 and bottom resteel for East Mono #105.

Days of no work and reasons for same:  
50% of day lost due to adverse weather/high tides on 05 May 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 this date.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 19.9%  
PERCENT TIME ELAPSED: 44.5%

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.  
EROSION CONTROL: 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 a Pre-Placement Inspection on East Mono #110 prior to placing concrete this date (see attached LMN Form 1246). Witnessed Rep. from Delta Testing performing required concrete test and molding 3 test cylinders (see back of attached LMN Form 1246 for test results). Observed placement and vibration of concrete for East Mono #110. Concrete being placed in lifts of less than 18", with drops of less than 5', and is being well vibrated. Checked alignment of forms for East Mono #110 with contractor's transit. Forms were plumb and on good alignment. Observed finisher rubbing surfaces of East Mono #112.

RESTEEL INSTALLATION: Checked and found subcontractor (Arcadia) had properly installed all required resteel for the top and bottom of East Mono #110, and the bottom resteel for East Mono #105 this date. All resteel was tied at 100%, and spaced in accordance with approved shop drawings.

EROSION CONTROL: Observed contractor doing minor repairs to the silt fence between EB/L Sta's 102+70 and 105+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 OCR REPORT OR DISAGREEMENTS**

NOTE: Rainfall indicated on the front of this report fell between 1900 hrs. on 08 May 95 and 1100 hrs. on 09 May 95. Therefore did not effect the contractor's work day schedule this date.

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

**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 all concrete trucks being used this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 11 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/14/95
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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  
 East # 110

LIFT NO.:  
 ONE

ELEVATION  
 from 2.00 to 14.40

DATE OF POUR  
 5-8-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	<i>M. J.</i>	5-8-95	12:30	<i>Z. B.</i>	5-8-95	12:50
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		5-8-95	12:30	<i>Z. B.</i>	5-8-95	12:50
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	<i>M. J.</i>	5-8-95	12:30	<i>Z. B.</i>	5-8-95	12:55
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	<i>M. J.</i>	5-8-95	12:30	<i>Z. B.</i>	5-8-95	1:00
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	<i>Mife</i>	5-8-95	12:30	<i>ZJB</i>	5-8-95	1300		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.83'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	<i>Mife</i>	5-8-95	12:30	<i>ZJB</i>	5-8-95	1305		
G. SAFETY (LIST)	<i>Mife</i>	5-8-95	12:30	<i>ZJB</i>	5-8-95	1305		
1. Safety Glasses	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	<i>Mife</i>	5-8-95	12:30	<i>ZJB</i>	5-8-95	1305		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1330	2 1/2				
Mantis Crane	1	#3612	1330	2 1/2				
Concrete Bucket	1	1.0 C.Y.	1330	2 1/2				
Concrete Vibrator	1	18'		2 1/2				
J. REMARKS	SLUMP = 3 1/2" & 4 1/2" ; AIR ENTR. = 4% & 3.7% ; CONCRETE TEMPS = 83° & 85° ; AIR TEMPS = 83° & 82° ; 3 Test Cylinders (LA-38)							
FINAL CLEARANCE								
CONTRACTOR REPRS: <i>[Signature]</i>				C.O.E. REPRS: <i>[Signature]</i>				
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: 05/08/95

REPORT NO.: 155

SKIES: Pt. Cloudy

RAIN: 0

IN: TEMP: 68 MIN. 87 MAX.

DUST: None

LEVEE CONDITION: Damp

CANAL GAUGE:(1.9)NOISE: Minimal

WORK PERFORMED/LOCATION

05/06/95 Saturday - No work performed. Levee Condition - Wet.

05/07/95 Sunday - No work performed. Levee Condition - Damp.

05/08/95 Monday - Carpenters formed up East I-Wall Monolith #110.

Poured Concrete at East Monolith #110 today. Operator and laborers worked on Erosion Control Silt Fence on the East Bank between Filmore and Mirabeau Avenue. Cement Finishers patched and rubbed I-Wall Concrete. Laborers flagged traffic and cleaned mud off of the streets.

ARCADIA REBAR - Tied Reinforcing Steel for I-Wall at East Monolith #110 (top & bottom). Also tied bottom Steel at East Monolith # 105.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	45	B & K	Forming & pouring Concrete I-Wall; Repairing Erosion Control on the East Bank. (See above.)
7	Skilled	62	"	
1	Supt.	9	"	
2	Skilled	12	ARCADIA REBR	Tying Reinforcing Steel for I-Wall Monoliths on the East Bank. (See above for locations.)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	5	3	-
Komatsu D37P Dozer	-	Yes	2	6	-
Kubota 151 Excavator	-	Yes	1	7	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	No	0	8	-
MKT Vibro Hammer	-	No	0	8	-
Fiat-Allis MotorGrader	-	Yes	1	7	-
Mantis 3612 Crane	-	Yes	6	2	-
JSW Excavator	-	Yes	1	7	-
Komatsu 200 Excavator 2	-	Yes	2	6	-

TESTS PERFORMED  
(as required by plans/specifications)

DELTA TESTING - Performed Concrete tests on the Concrete (Mix #44) delivered by LAFARGE CONCRETE COMPANY today. Results of these tests were furnished to the Government today.

MATERIALS RECEIVED

Received 18 c.y. of Concrete from LAFARGE (Mix #44) today, and placed this material in East I-Wall Monolith #110.

Also received Reinforcing Steel from LULICH STEEL (on 05/05/95 Friday) for the last three Monoliths of I-Wall on the East Bank. This material was unloaded at the Pumping Station #4 yard on the East Bank.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Erosion Control work done today. The Silt Fence was repaired by digging soil out away from the Safety Fence, and then adding a new strip of Geotextile overlapping the existing Silt Fence. The Geotextile was tied to the fence with tie wire approximately every 5' apart.

Also inspected the I-Wall Concrete work done today. Top of Wall elevation was 14.40; width of the Wall was 1.75 at the bottom, and 1.00' at the top. Form Checklist LMN Form #1246 was completed prior to Concrete placement.

JOB SAFETY  
(Note inspection, violations/actions taken)

Checked scaffolds and ladder on East I-Wall Monolith #110. Hand rails, mid-rails, and toe-boards were in place and secure. The ladder was tied off to prevent movement. No loose materials were found on the platform.

REMARKS  
(Instructions received, miscellaneous remarks)

Heavy rains began late Monday night, but did not affect our work today.

I certify to the best of my 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.

  
Authorized Q C Representative

05/09/95

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

117

TO Area Engineer,  
CELMN-CD-NO

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

DATE Friday  
05 May 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 & Warm

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 65°	MAXIMUM 85°
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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 1-6 hrs	TOTAL 1-6 hrs	LABOR
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FEET 2.00'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 1-5 hrs	SKILLED 7-35 hrs	LABORERS 9-45 hrs	TOTAL 17-85 hrs
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FROM 0700 M	TO 1200 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. \_\_\_\_\_

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) Poured stabilization slab between EB/L Sta's 102+65 to 102+72 for I-Wall Closure; Curing; Rubbing surfaces of East Mono #112; Unloaded steel sheet piles received today.

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tides on 05 May 95.

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

Minor progressive work was performed this date by B&K, due to the wet ground conditions from the previous rainfall.

PERCENT PROJECT COMPLETE: 19.8%

PERCENT TIME ELAPSED: 44.0%

DATE SET FOR COMPLETION: 03 APR 96

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: 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 formed area for stabilization slab between EB/L Sta's 102+65 and 102+72, and found it graded to accept more than 4" of concrete. Observed placement of concrete for stabilization slab mentioned above. Checked and found East Monos #109, #111, #112, #113, #114, #116, #118 and #120 covered with wetted burlene as required for curing. Observed finisher patching tie-rod holes and rubbing surfaces of East Mono #112 this date.

STEEL SHEET PILES: Checked and found heat numbers submitted by Casteel to match those on sheet piles delivered this date. Observed contractor unloading steel sheet piles onto slopes of existing levees.

QUALITY CONTROL: Contractor provided 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: Contractor received 169 pcs of CZ-101 X 21'-9" steel sheet piles this date.



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	5 hrs.	QAR

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

Checked and found all personnel on-site to be wearing hard hats and protective footwear. No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 08 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/15/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 05/05/95

REPORT NO.: 154

SKIES: Clear

RAIN: 0

IN: TEMP: 65 MIN. 85 MAX.

DUST: None

LEVEE CONDITION: Wet

CANAL GAUGE:(2.0)NOISE: Minimal

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Unloading Sheet Piling at Mirabeau East Bank. Wet site conditions forced us to unload 2 of the 3 truck loads at the area between Robert E. Lee and Leon C. Simon East Bank where the trucks could remain on the street. These Sheet Piling will have to be relocated at a later date.

Poured 2 yds. of Concrete for Stabilization Slab, but site was too wet to access Concrete trucks. No I-Wall poured today. Wet Burlene blankets and Concrete Walls at East Monoliths #109, #111, #112, #113, #114, #116, #118, and #120. Patched and rubbed Concrete surfaces at East Monolith #112.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
9	Unskilled	45	B & K	Unloading Sheet Piling. Finishing
7	Skilled	35	"	Concrete I-Wall. Modified I-Wall
1	Supt.	5	"	Forms. Cutting grass.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/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	-	Yes	2	6	-
Koehring 535 Crane	-	Yes	1	7	-
MKT Vibro Hammer	-	No	0	8	-
Fiat-Allis MotorGrader	-	Yes	1	7	-
Mantis 3612 Crane	-	Yes	1	7	-
JSW Excavator	-	Yes	1	7	-
Komatsu 200 Excavator 2	ARR	Yes	4	4	-

TESTS PERFORMED  
(as required by plans/specifications)

No testing today.

MATERIALS RECEIVED

Received 169 pieces of 21.75 new CZ-101 Sheet Piling.  
Received 2 yds. of Mix #44 Concrete from LAFARGE CONCRETE to complete the Stabilization Slab from Station 102+67 to 119+02 East Bank.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I checked the new CZ-101 Steel Sheet Piling received today and found the ends to have been cut square, the lengths to be as indicated on the truck tickets, and the heat numbers corresponded to the paper work previously provided.

The grass between the homeowners and temporary fencing was being cut between Mirabeau and Filmore Avenues on the East Bank, but there was still some places on the West Bank that have not been cut.

The Erosion Control was being worked on at the entrances on Mirabeau East and West, but was not yet complete.

JOB SAFETY  
(Note inspection, violations/actions taken)

Site conditions too wet and slippery for Concrete trucks to back down the Levee. Used the JSW Excavator to transport 2 buckets of Concrete through the Pumping Station #4 yard to prevent any problems.

REMARKS  
(Instructions received, miscellaneous remarks)

None.

I certify to the best of my 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.

  
Authorized Q C Representative

05/08/95

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			
<b>TO</b> Area Engineer, <span style="float: right;">COPY TO: C/Const. Div.</span> CELMN-CD-NO <span style="float: right;">CELMN-CD</span>						<b>REPORT NUMBER</b> <div style="text-align: right;">116</div>			
						<b>DATE</b> Thursday 04 May 1995			
<b>PROJECT</b> Lake Pontchartrain, La. and Vicinity, London Ave. Canal, Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.						<b>CONTRACT NUMBER</b> DACW29-94-C-0079			
<b>CONTRACTOR (Or hired labor)</b> B & K Construction Company, Inc. 1905 Highway 59, Mandeville, La. 70448						<b>WEATHER</b> Partly Cloudy & Warm			
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS						TEMPERATURE			
<b>STRUCTURAL EXCAVATION</b> 100%	<b>BORROW EXCAVATION</b> 100%	<b>EMBANKMENT</b> 100%	<b>CONCRETE</b> 100%	<b>STRUCTURE</b> 100%		<b>MINIMUM</b> 65°	<b>MAXIMUM</b> 82°		
<b>HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?</b> <div style="float: right;"> <input checked="" type="checkbox"/> NO    <input type="checkbox"/> YES (Explain)           </div>						24 HOUR PRECIPITATION			
						<b>INCHES</b> 0.50"	<b>ENDING</b> 0730		
NUMBER OF GOVERNMENT EMPLOYEES						Canal RIVER STAGE			
<b>SUPERVISORY</b>	<b>OFFICE</b>	<b>LAYOUT</b>	<b>INSPECTION</b> 1-6 hrs	<b>TOTAL</b> 1-6 hrs	<b>LABOR</b>	<b>FEET</b> 2.00'	<b>TIME</b> 0800		
NUMBER OF CONTRACTOR'S EMPLOYEES						NUMBER OF SHIFTS <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3			
<b>SUPERVISORY</b> 2-16 hrs	<b>SKILLED</b> 7-56 hrs	<b>LABORERS</b> 9-73 hrs	<b>TOTAL</b> 18-145	<b>FROM</b> 0730 M	<b>TO</b> 1600M	<b>FROM</b> M	<b>TO</b> M	<b>FROM</b> M	<b>TO</b> 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.									
<b>CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY</b>									
a. <u>B &amp; K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL</u>									
b. _____									
c. _____									
<b>WORK PERFORMED TODAY</b> (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above)									
a) Formed and placed concrete for stabilization slab between EB/L Sta's 102+72 and 103+35; Unloaded steel sheet piles; Rubbed and patched on East Monos #113 & #116; Curing; Broke forms loose from East Monos #109, #112 & #114.									
<b>Days of no work and reasons for same:</b> No delays were incurred so far this month.									
<b>Information on progress of work, causes for delays and extent of delays, Plant, material, etc.</b> Progressive work was performed by B&K only this date. See attached CQC Report.									
<b>DATE SET FOR COMPLETION:</b> <u>03 APR 96</u>						<b>PERCENT PROJECT COMPLETE:</b> <u>19.8%</u>			
						<b>PERCENT TIME ELAPSED:</b> <u>43.8%</u>			
<b>CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:</b>									
Attended the following CQC Inspection Phase this date:									
<u>REINFORCED CONCRETE FLOODWALL:</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 this date:

REINFORCED CONCRETE FLOODWALL: Checked formed area for stabilization slab between EB/L Sta's 102+65 and 103+35, and found it to be graded to accept more than 4" of concrete. Observed placement of concrete for the stabilization slab between EB/L Sta's 102+72 and 103+35. Noted that contractor had loosened forms from East Monos #109, #112 and #114 this date. Noted that East Monos #111, #113, #115, #116, #118, #120 and #122 were covered with wetted burlene blankets, and the tops of East Monos #109, #112 & #114 were covered with wet burlene strips.

STEEL SHEET PILES: Checked and found all steel sheet piles delivered this date, matched the heat numbers supplied by Casteel and were the proper lengths.

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: Contractor received 75 pcs of CZ-101 X 21'-9" steel sheet piles and 11 pcs of CZ-101 X 26'-9" steel sheet piles this date.

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	5 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 unload steel sheet piles this date, and found them to be in very good condition.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

*Zane D. Bryant, Jr.*  
ZANE D. BRYANT, JR.

DATE

08 MAY 95

SUPERVISOR'S INITIALS

*AD-yw*

DATE

5/12/98





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

DATE: 05/04/95

REPORT NO.: 153

SKIES: Clear / Pt. Cloudy RAIN: .50 IN: TEMP: 65 MIN. 82 MAX.  
 AM PM

DUST: Minimal LEVEE CONDITION: Dry/Wet CANAL GAUGE:(2.0) NOISE: Moderate

AM/PM:

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Removed braces and she bolts from Forms on East Monoliths #109, #112, and #114. Formed and poured Stabilization Slab to Station 102+72. Unloaded new CZ-101 Sheet Piling today at Mirabeau Ave. (See "Materials Received" for details). Wet Burlene Blankets and Concrete Walls at East Monoliths #111, #113, #115, #116, #118, #120, and #122. Wet tops of Walls only on East Monoliths #109, #112, and #114, because the Forms were still on. Patched and rubbed Concrete surfaces at East Monoliths #113 and #116.

ARCADIA REBAR - No work today.

GILL'S CRANE SERVICE - No work today.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
9	Unskilled	73	B & K	Wrecking I-Wall Forms. Unloading new CZ-101 Sheet Piling. Forming Stabilization Slab. Cutting grass.
7	Skilled	56	"	
1	Supt.	8	"	
1	Q.C. Rep.	8	"	

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	4	4	-
Komatsu D37P Dozer	-	Yes	2	6	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	Yes	4	4	-
Koehring 535 Crane	-	No	0	8	-
MKT Vibro Hammer	-	No	0	8	-
Fiat-Allis MotorGrader	-	Yes	1	7	-
Mantis 3612 Crane	-	Yes	1	7	-
JSW Excavator	-	No	0	8	-
Welding Machine	Dep	-	-	-	-

TESTS PERFORMED  
(as required by plans/specifications)

No testing today.

MATERIALS RECEIVED

Received 8 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY today. Placed this material in the Stabilization Slab at East Bank Station 102+72 to Station 103+50.

Received 75 pieces of new CZ-101 Steel Sheet Piling 21'9" long and 11 pieces of 26'9" long. These Sheets were stacked along the Land Side of the Levee from Mirabeau to Filmore (21'9"). At the Prentiss St. Staging Area (26'9").

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I inspected the area from Station 102+72 to Station 103+50 and found the ground conditions to be suitable for Stabilization Slab placement.

I also checked the new CZ-101 Steel Sheet Piling received today, and found the ends to have been cut square, the lengths to be as indicated on the truck tickets and the Heat Numbers corresponded to the paper work previously provided.

Checked Erosion Control and found a few places in need of repair. I will have someone follow up on repairing these areas ASAP.

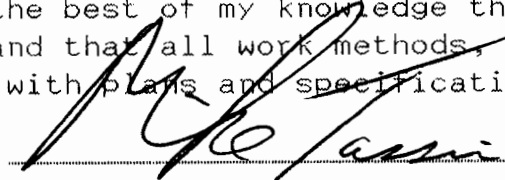
JOB SAFETY  
(Note inspection, violations/actions taken)

Checked to make sure that flagmen were wearing safety vests and were keeping traffic delays to a minimum. I made sure that the worker using the weed eater was wearing eye protection.

REMARKS  
(Instructions received, miscellaneous remarks)

None.

I certify to the best of my 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

05/05/95

\_\_\_\_\_ 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  
115

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

DATE Wednesday  
03 May 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 & Warm

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 58°	MAXIMUM 78°

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 1-9 hrs	TOTAL 1-9 hrs	LABOR
-------------	--------	--------	-----------------------	------------------	-------

Canal RIVER STAGE	
FEET 1.50'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-20 hrs	SKILLED 11-108 hrs	LABORERS 10-89 hrs	TOTAL 23-217
-------------------------	-----------------------	-----------------------	-----------------

NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1		<input type="checkbox"/> 2		<input type="checkbox"/> 3	
FROM 0730 M	TO 1800 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. 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 and placed concrete for East Monos #109, #112 & #114; Cured I-Walls with wet burlene; Unloaded steel sheet piles; Wrecked forms from East Monos #111 & #116; Rubbed surfaces of East Monos #113 & #116, and patched holes in East Mono #111.

b) Drove 2 fabricated corner piles for I-Wall Tie-In at approx. EB/L Sta. 102+65±.

c) Set top and bottom resteel for East Monos #112 & #114.

Days of no work and reasons for same:  
No delays 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 Arcadia this date. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 19.8%  
PERCENT TIME ELAPSED: 43.6%

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 QCC ACTIVITIES**

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

**REINFORCED CONCRETE FLOODWALL:** Performed Pre-Placement Inspections on East Monos #109, #112, and #114 prior to placing concrete (see attached LMN Form 1246's). Checked alignment with contractor's transit and found according to contract plans. Observed placement and vibration of concrete this date into forms for the above mentioned I-Wall Monoliths. Concrete is being placed in lifts less than 18", not being allow to drop more than 5' as required, and is well vibrated. Witnessed Rep. from Delta Testing performing required test on concrete used this date, and molding 3 test cylinders (see back of attached LMN Form 1246's for test results). Checked and found Monos #111, #113, #115, #116, #117, #118, #119, #120 & #122 being cured with wet burlene blankets, when finishers were not rubbing surfaces. Noted finishers rubbing surfaces of East Monos #113 & #116 and patching tie-rod holes in East Mono #111.

**RESTEEL INSTALLATION:** Checked installation of resteel for East Monos #112 & #116. Found all resteel tied at 100%, and spaced in accordance with approved shop drawings.

**STEEL SHEET PILES:** Observed subcontractor (Gill) fabricating 1- corner sheetpile with a section of the existing sheet pile. Gill than drove 2 fabricated corner piles for the tie-in at EB/L Sta. 102+65±.

**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: Contractor received 123 pcs of CZ-101 X 20'-3" sheet piles and 56 pcs of CZ-101 X 21'-9" sheet piles this date.

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	8 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: Mantin 3612 Crane; 2-Komatsu 200 Excavators; 1-Komatsu D37P Dozer; 1- Koehring 535 Pile Driver; and 1-Case 580 Loader/Backhoe.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  LANE D. BRYANT, JR.	DATE 05 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/12/95
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FORM CHECK OUT FOR  STRUCTURES  
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO.  
 DACW29-94-C-0079

MONOLITH  
 East # 114

LIFT NO. ONE

ELEVATION  
 from 2.00 to 14.40

DATE OF POUR  
 5-3-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	5-3-95	10:35	ZRB	5-3-95	1100
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	5-3-95	10:35	ZRB	5-3-95	1100
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	5-3-95	10:40	ZRB	5-3-95	1100
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	5-3-95	10:45	ZRB	5-3-95	1105
CONDITION	✓	"	"	✓	✓	✓

ITEM	REJECTED BY CONTRACTOR			VIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	5-3-95	10:45	ZJB	5-3-95	1105
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.83'	✓	"	"	✓	✓	✓
WIDTH 1.75' to 1.00'	✓	"	"	✓	✓	✓
HEIGHT 12.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmj	5-3-95	10:50	ZJB	5-3-95	1110
G. SAFETY (LIST)	Jmj	5-3-95	10:50	ZJB	5-3-95	1110
1. Safety Glasses	✓	"	"	✓	✓	✓
2. Rigging Check	✓	"	"	✓	✓	✓
3. Ladder + Scaffold	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	5-3-95	10:50	ZJB	5-3-95	1110
Expansion Material	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1200	1.75				
Concrete Bucket	1	1.0 c.y.	1200	1.75				
Concrete Vibrator	1	18' whip	1200	1.75				

J. REMARKS  
 SLUMP = 4" ; AIR ENTR. = 3.5% ; CONCRETE TEMPS = 80° ;  
 AIR TEMPS = 84° ; 3 Test Cylinders (LA-87)

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.



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  
 East # 109

LIFT NO. ONE

ELEVATION  
 from 2.00 to 14.40

DATE OF POUR  
 5-3-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	5-3-95	9:05	ZJB	5-3-95	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	5-3	9:05	ZJB	5-3-95	1200
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	5-3	9:10	ZJB	5-3-95	1200
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	5-3	9:15	ZJB	5-3-95	1205
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.					
	NAME	DATE	TIME	NAME	DATE	TIME			
E. FORMWORK (CONT)									
ALIGNMENT	Jmj	5-3-95	9:15	ZJB	5-3-95	1205			
CLEANLINESS	✓	11	11	✓	✓	✓			
RELEASING AGENT	✓	11	11	✓	✓	✓			
TIES AND BOLTS	✓	11	11	✓	✓	✓			
LENGTH 28.86'	✓	11	11	✓	✓	✓			
WIDTH 1.75 to 1.00'	✓	11	11	✓	✓	✓			
HEIGHT 12.40'	✓	11	11	✓	✓	✓			
WATERSTOPS	✓	11	11	✓	✓	✓			
CHAMFER STRIPS	✓	11	11	✓	✓	✓			
F. WEATHER PROTECTION	Jmj	5-3-95	9:20	ZJB	5-3-95	1210			
G. SAFETY (LIST)	Jmj	5-3-95	9:20	ZJB	5-3-95	1210			
1. Safety Glasses	✓	11	11	✓	✓	✓			
2. Rigging Check	✓	11	11	✓	✓	✓			
3. Ladder & Scaffold	✓	11	11	✓	✓	✓			
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	5-3-95	9:25						
EXP. MATERIAL	NONE THIS FOUR	11	11						
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS	
Komatsu 200	1	Excavator	1420	2					
Concrete Vibrator	1	18' whip	1420	2					
Concrete Bucket	1	1.0 c.y.	1420	2					
J. REMARKS	SLUMP = 3 1/2" ; AIR ENTR. = 3.5% ; CONCRETE TEMPS = 81° ; AIR TEMPS = 76° ; 3 Test Cylinders (LA-37)								
FINAL CLEARANCE									
CONTRACTOR REPRS: Jerry M Justice					C.O.E. REPRS: Janelle Dupont				
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  
 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 East # 112 LIFT NO. ONE ELEVATION from 2.00 to 14.40 DATE OF POUR 5-3-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	5-3-95	3:20	ZOB	5-3-95	1530
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	5-3	3:20	ZOB	5-3-95	1530
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	5-3	3:25	ZOB	5-3-95	1530
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	5-3	3:30	ZOB	5-3-95	1535
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmd	5-3-95	3:30	ZAB	5-3-95	1535		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.83'	✓	"	"	✓	✓	✓		
WIDTH 1.75' to 1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmd	5-3-95	3:35	ZAB	5-3-95	1540		
G. SAFETY (LIST)	Jmd	5-3-95	3:35	ZAB	5-3-95	1540		
1. Safety Glasses	✓	"		✓	✓	✓		
2. Ladder + Scaffold	✓	"		✓	✓	✓		
3. Rigging Check	✓	"		✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	5-3-95	3:40	ZAB	5-3-95	1540		
Expansion Material		"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1630	1 1/2				
Concrete Bucket	1	1.0 c.y.	1630	1 1/2				
Concrete Vibrator	1	18' whip	1630	1 1/2				
J. REMARKS	SLUMP = N/A ; AIR ENTR. = N/A ; CONCRETE TEMPS = N/A ;							
	AIR TEMPS = N/A ; 3 Test Cylinders (LA-37)							
	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: 05/03/95

REPORT NO.: 152

SKIES: Pt. Cloudy

RAIN: 0 IN. TEMP.: 58 MIN 78 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.5) NOISE: Moderate  
(and rising)

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked I-Wall Forms at East Monoliths #116 and #111 today. These Forms were cleaned, oiled, and then set up again at East Monoliths #112 and #114. Placed Concrete at East Monolith #114 (12:00 PM), Monolith #109 (2:30 PM), and Monolith #112 (4:30 PM). Operator unloaded new CZ-101 Sheet Piling today at Mirabeau Avenue and Filmore Avenue. (See "Materials Received for details.) Laborers covered East Monoliths #116 and #111 with wet Burlene blankets, and continued wetting down blankets and Concrete Walls at East Monoliths #122, #120, #119, #118, #117, #116, #115, #113, and #111. Cement Finishers patched & rubbed Concrete surfaces at East Monoliths #113 and #116. Laborers also flagged traffic for delivery trucks and pumped water out of the work area.

ARCADIA REBAR - Tied Reinforcing Steel at East I-Wall Monoliths #112 and #114 (top and bottom Steel). No other work performed.

GILL'S CRANE SERVICE - Pulled up existing Frodingham Sheet Pile pair at † East B/L Station 102+65 (location of connection to new Floodwall). Fabricated the bolted Sheet Pile corner with a piece of the existing Frodingham Sheet, a 3 1/2"x 3 1/2"x 3/8" angle iron, and a piece of CZ-101 Sheet Piling 24'9" long. Then drove this corner piece and the other corner piece (furnished by SKYLINE STEEL) to complete the tie-in from new Floodwall to existing Floodwall.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	6	4	No
Komatsu D37P Dozer	-	Yes	2	6	No
Kubota 151 Excavator	-	No	0	8	No
Case 580 Backhoe	-	Yes	3	7	No
Koehring 535 Crane	-	Yes	5	3	No
MKT Vibro Hammer	-	Yes	4	4	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	7	3	No
JSW Excavator	-	Yes	4	4	No
Welding Machine	-	No	0	8	No
Komatsu 200 Excavator	ARR	Yes	5	3	No

MATERIALS RECEIVED

Received 55 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY today. Placed this material in East I-Wall Monoliths #109, #112, and #114 today. Approximately 1.5 c.y. left over after the last Wall pour was placed in a temporary slab in the Staging Area at Robert E. Lee and Pratt Dr.. Future I-Wall Form assembly will take place here.

Also received 123 pieces of new CZ-101 Steel Sheet Piling at 20'3" long, and 56 pieces at 21'9" long today. These Sheets were stacked along the Land Side of the Levee from Mirabeau to Filmore (21'9") and from Filmore to Pumping Station #4 (20'3").

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I inspected the Sheet Pile connection work done today on the East Bank at approximate Station 102+65. The materials used were all 24'9" long. The angle iron was 3 1/2"x 3 1/2"x 3/8" A36 Steel. Bolts used to make the connections were 7/8" diameter ASTM A325 Type 1 Steel. Bolts were spaced at 6" on center for the entire length of the piling, except at each end where they were spaced at 3" on centers for the last 2' (top & bottom). Location of the last interlock before the corner piece was 102+67.85 actual (plan Station = 102+67.72). Piles and corners were plumb, and interlocks fully engaged for the entire length of the Piling.

Also inspected the I-Wall work performed today. Expansion material, Water Stops, and Chamfer Strips all passed inspection (See LMN Form #1246). Re-Steel was checked, and found to have the correct number & size of bars per Shop Drawings. Clearances were within tolerance as well (2 1/2" to 3 1/2" from Form surfaces). Condition of the Forms was acceptable, however some refacing of these Forms will be needed soon.

Top of the I-Wall was set at elevation +14.40 on the Canal Side, and 14.42 on the Land Side. Alignment was checked with a transit at the end of the Concrete pour and some minor adjustments were made with turn-buckles to bring the Wall to proper alignment.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING performed Vibration monitoring on the East Bank near Station 103+00. No excessive vibration was observed according to the DELTA technician.

DELTA TESTING also performed Concrete testing and inspection on the material received from LAFARGE CONCRETE COMPANY today (55 c.y. of Mix #44).

SLUMPS were found to be 3 1/2" and 4"

AIR CONTENT was found to be 3.5% on both tests.

LAFARGE'S Quality Control Manager was notified of the low Air Content, and asked to correct this problem on the next delivery.

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
9	Unskilled	79	B & K	Wrecking, clearing, & setting up I-Wall Forms; placing, finishing & curing I-Wall Concrete; unloading new CZ-101 Sheet Piling. (See Page 1.)
7	Skilled	80	"	
1	Supt.	10	"	
1	Q.C.Rep.	10	"	
3	Skilled	18	ARCADIA REBAR	Tying Reinforcing Steel for new I-Wall (See Page 1 for locations).
1	Skilled	10	GILL'S CRANE	Driving new Sheet Pile corners and making bolted connections. (Page 1.)
1	Unskilled	10	"	

JOB SAFETY

(Note inspection, violations/actions taken)

Checked employees for hard hats while on the jobsite. All workers were wearing proper head protection today, as usual. No defective or unapproved helmets were found during my inspection.

Checked the anti-two block mechanism on the Mantis Crane today. I had the Crane operator attempt to raise the block against the boom sheave. The on board computer disabled the controls so that the block could not be raised any further than two feet below the sheave at the head section.

REMARKS

(Instructions received, miscellaneous remarks)

We met with Ron Lorio of BARNES ELECTRIC COMPANY to discuss the Electric Feeder Line work at Filmore Ave. to Pumping Station #4. The area at the tie-in to existing Floodwall at the Pumping Station #4 will not work as shown on the Contract Drawings. Mr. Lorio will contact the SEWERAGE AND WATER BOARD to come up with a workable solution.

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.

05/04/95

  
 \_\_\_\_\_  
 Authorized Q C Representative

\_\_\_\_\_  
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  
114

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

DATE  
Tuesday  
02 May 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 & Warm

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 58°	MAXIMUM 78°
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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

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 1-8 hrs	LABOR
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Canal RIVER STAGE

FEET 1.40'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-19 hrs	SKILLED 13-111 hrs	LABORERS 7-76 hrs	TOTAL 22-206
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NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1		<input type="checkbox"/> 2	<input type="checkbox"/> 3
FROM 0730 M	TO 1800 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; STRUCTURAL EXCAVATION
- 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) Placed concrete for East Mono #116; Set forms for East Monos #109 & #116; Wrecked forms from East Monos #113 & #118; Struct. Excavation EB/L Sta's 102+60 to 103+15; Rubbing Walls; Curing Monoliths.
- b) Drove 34 pcs of CZ-101 X 24'-9" piles between EB/L Sta's 102+65.90 & 103+27.25.
- c) Set & tied top and bottom resteel for East Monos #109 and #116.

Days of no work and reasons for same:

No delays incurred so far this month.

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

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

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 19.5%  
PERCENT TIME ELAPSED: 43.5%

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.

STRUCTURAL EXCAVATION: 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:** Checked East Monos #113 & #118 after forms were removed. Noted no major surface defects (ie; honeycombs, broken fractured fins, etc.), only minor air bubbles. Observed installation of forms for East Monos #109 and #116. Alignment was checked by QAR & CQC Rep. with transit. Performed a Pre-Placement Inspection on East Mono #116 prior to placing concrete this date (see attached LMN Form 1246). Found OK. Observed placement and vibration of concrete this date. Concrete was placed in lifts of less than 18", not dropped more than 5', and well vibrated. Witnessed Rep. from Delta Testing performing required test on concrete & molding 3 test cylinders (see back of attached LMN Form 1246 for test results). Contractor unable to place concrete for East Mono #109, due to sheet pile operations not being over 100' away. Checked and found East Monos #113, #115, #117, #118, #119, #120, #121, #122 & #124 covered with wet burlene blankets for curing. Observed finishers rubbing and patching on East Monos #113, #115 & #118.

**STRUCTURAL EXCAVATION:** Observed contractor excavating for I-Wall between EB/L Sta's 102+60 and 103+15, to an approx. elev. of +1.60'.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

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

QAR, Z. Bryant reminded CQC Rep.'s M. Tassin and J. Justice that the Contractor is responsible for keeping the grass cut on all levees under this contract, and between the safety fences and property fences as agreed to by the contractor in our Mutual Understanding Meeting Messrs. Tassin and Justice both agreed to cut the above mentioned grass ASAP.

**CONTROVERSIAL MATTERS IN DETAIL:**

NONE

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

NONE

Contractor's Quality Control Report (submitted ~~XXXXXX~~) for this (date/~~XXXXXX~~).


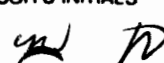
**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	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)**

Noted persons working in the vicinity of the piles driving operations to be wearing hard hats, safety-toed boots, and hearing protection.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 03 May 95	SUPERVISOR'S INITIALS 	DATE 5/10/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 114

DATE Tue. - 02 May 95

**QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:**  
(CONTINUED FROM ORIGINAL QA REPORT)

RESTEEL INSTALLATION: Observed ironworkers setting and tying all required resteel for the tops and bottoms of East Monos #109 and #116 this date. All resteel was tied at 100%, and spaced in accordance with approved shop drawings.

STEEL SHEET PILES: Observed subcontractor (Gill) driving 34 pcs of CZ-101 X 24'-9" piles between EB/L Sta's 102+65.90 and 103+27.25, down to a top elev. of +4.75' as required, except the four (4) piles at Monolith joints, which were driven down to a top elev. of +4.00' as required. All piles were driven plumb and on good alignment, and were checked with a transit and 6' level.

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 East # 116

LIFT NO. ONE

ELEVATION from 2.00 to 14.40

DATE OF POUR 5-2-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	5-2-95	11:10	ZAB	5-2-95	11:20
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	5-2	11:10	ZAB	5-2-95	11:20
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	5-2	11:15	ZAB	5-2-95	11:20
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	5-2	11:20	ZAB	5-2-95	11:25
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			VIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmD	5-2-95	11:20	ZAB	5-2-95	11:25
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.83'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 12.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmD	5-2	11:20	ZAB	5-2-95	11:30
G. SAFETY (LIST)	JmD	5-2	11:20	ZAB	5-2-95	11:30
1. Safety Glasses	✓	"	"	✓	✓	✓
2. Rigging	✓	"	"	✓	✓	✓
3. Ladder & Scaffold	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmD	5-2	11:25	ZAB	5-2-95	11:30
Exp. Material	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1140	2				
Concrete Bucket	1	1.0 c.y.	1140	2				
Concrete vibrator	1	18" Whip	1140	2				

J. REMARKS SLUMP = 5 1/2" ; AIR ENTR. = 3.7% ; CONCRETE TEMPS = 78° ;  
AIR TEMPS = 75° ; 3 Test Cylinders (LA-36)

FINAL CLEARANCE  
CONTRACTOR REPRS: Jerry M. Justice C.O.E. REPRS: Zamil Buzgat

**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: 05/02/95

REPORT NO.: 151

SKIES: Clear

RAIN: 0 IN. TEMP.: 58 MIN 78 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.4) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked Forms at East Monoliths #118 and #113 today. Cleaned, oiled, and then set these Forms at East Monoliths #116 and #109. Placed Concrete at East Monolith #116 at 11:30 AM today. (East Monolith #109 not poured yet). Performed Structural Excavation from East Baseline Station 103+15 to Station 102+60. Laborers covered I-Walls with Burlene Blankets, and wet these down with a garden hose periodically. Cement Finishers plugged tie-bolt holes at East Monoliths #118 and #113, and continued to patch and rub Concrete surfaces at East Monoliths #115 and #118.

ARCADIA REBAR - Tied Reinforcing Steel at East Monoliths #116 and #109 (bottom and top Steel). Also pre-tied one mat for future placement in the I-Wall stem.

GILL'S CRANE SERVICE - Drove new CZ-101 Steel Sheet Piling on the East Bank from B/L Station 103+27.25 to Station 102+65.90. (34 pieces at 24'9" long each). Only the corners and tie-in pieces are left to complete on this particular reach.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	5	3	No
Komatsu D37P Dozer	-	Yes	2	6	No
Kubota 151 Excavator	-	Yes	1	7	No
Case 580 Backhoe	-	Yes	2	6	No
Koehring 535 Crane	-	Yes	6	2	No
MKT Vibro Hammer	-	Yes	5	3	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	8	2	No
JSW Excavator	-	Yes	3	5	No
Welding Machine	-	No	0	8	No

MATERIALS RECEIVED

Received 18 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY today. Placed this material in East I-Wall Monolith #116. Concrete tickets showed the time batched, and the weights of each ingredient in the mix, and the amount of water and admixtures used. A problem was noted with the Slump of the Concrete today (4 1/2" to 5 1/2" as arrived). LAFARGE'S Quality Control Manager will be informed of this problem, and asked to correct it or risk rejection of the material.



QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I inspected the Structural Excavation work performed today on the East Bank. The bottom of the Excavation was +1.58, and controlled by using a Laser Level. The width of the Excavation was approximately 7' wide; ± 3.5' each way from C/L of the new I-Wall. The material from the Excavation was used to build a dike on the Canal Side to keep Canal water out. Some Concrete rip-rap was found and removed from the Excavation, however, not as much rip-rap exists here as in previous sections.

Also inspected the Sheet Piling driven on the East Bank today. (CZ-101 Sheets at 24'9" long). Cut off elevation was +4.75 also controlled using the Laser Level. Alignment was controlled by offset stakes at 2.50' o/s from C/L of I-Wall. A driving template was set at 4" offset from C/L and the CZ-101 Sheets were driven flush against the beam, resulting in the C/L of the Sheets being on C/L of the new I-Wall.

Checked curing I-Wall Monoliths today. East Monoliths #124, #122, #121, #120, #119, #118, #117, #115, #113, and #111 were all on seven day wet curing today. East Monolith #111 still had the Forms on it. The remainder of the Walls had Burlene Blankets covering them, and were kept wet by laborers today.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING - Performed Concrete testing and inspection today on Mix #44 delivered by LAFARGE CONCRETE COMPANY.

SLUMPS were recorded at 4 1/2" and 5 1/2".

AIR CONTENT was 3.7%. LAFARGE'S Quality Control Manager was notified of the high Slump and low Air content, and promised us that he will correct this problem starting tomorrow.

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	76	B & K	Wrecking, cleaning, & setting up I-Wall Forms; pouring, finishing, & curing for I-Wall Concrete; Structural Excavation for I-Wall placement. (See Page 1 for locations.)
7	Skilled	73	"	
1	Supt.	10.5	"	
1	Q.C.Rep.	8.5	"	
4	Skilled	20	ARCADIA REBAR	Tying Reinforcing Steel on the East Bank for new I-Wall. (See Page 1.)
2	Skilled	18	GILL'S CRANE	Driving new CZ-101 Sheet Piling on the East Bank. (See Page 1.)

JOB SAFETY

(Note inspection, violations/actions taken)

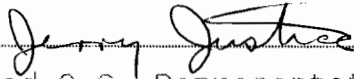
Inspected the rigging on the Concrete Bucket today. Shackles and slings showed only minimal wear. The hook on the lifting sling was equipped with a working Safety latch to prevent the Concrete Bucket from accidentally coming out of the hook.

REMARKS

(Instructions received, miscellaneous remarks)

Inspector Zane Bryant reminded us that the grass on the Levee and in between the fences must be kept cut throughout the duration of the Contract by the Contractor.

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.

  
Authorized Q C Representative

05/03/95

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  
113

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

DATE Sat., Sun. & Mon.  
29 & 30 Apr. & 01 May 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 & Warm

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 68°	MAXIMUM 86°
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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

SUPERVISORY 1-2 hrs.	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 2-10 hrs	LABOR
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Canal RIVER STAGE

FEET 1.60'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-20 hrs	SKILLED 12-108 hrs	LABORERS 8-73 hrs	TOTAL 22-289	FROM 0730 M	TO 1800 M	FROM M	TO M	FROM M	TO M	FROM M	TO M
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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
- b. Gill's Crane Service, Inc. - NO PROGRESSIVE WORK THIS DATE.
- 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 East Monos #115 & #120; Set forms & poured East Monos #111 & #118; Poured Stab. Slab between EB/L Sta's 103+35 & 103+75; Rubbed surfaces of East Monos #115, #117 & #120; Cured East Monos #113, #115, #117, #119, #120, #121, #122, #124 & #126; Set 1-cathodic jumper between East Monos #108/#109.
- c) Installed resteel for wall stems and bottoms of East Monos #111 & #118.

Days of no work and reasons for same:

- 100% of days lost due to adverse weather/high tides on 04,11,12 & 21 Apr 95.
- 50% of days lost due to adverse weather/high tides on 05,06,07,10,13,18,20 & 24 Apr 95.

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

No work scheduled or performed on 29 & 30 Apr 95. Progressive work was scheduled and performed by B&K and Arcadia this date. No progressive work performed by Gill this period.

PERCENT PROJECT COMPLETE: 19.0%

PERCENT TIME ELAPSED: 43.3%

DATE SET FOR COMPLETION: 03 APR 96

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases on Mon., 01 May 95:

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., 01 May 95:  
**REINFORCED CONCRETE FLOODWALL:** Checked surfaces of East Monos #115 & #120 after forms were removed, and noted no honeycombs or broken fractured fins. Performed Pre-Placement Inspection on East Monos #111 & #118 (see attached LMN Form 1246's). Observed placement & vibration of concrete for East Monos #111 & #118 this date. Concrete not dropped more than 5', placed in lifts less than 18" thick, and well vibrated. Witnessed Delta Testing Rep. performing required test on concrete used this date (see back of attached LMN Form 1246's for test results). Checked installation of 1-cathodic protection jumper between East Monos #107/#108, and found it securely fastened and coated with epoxy resin, approx. 8" below wall bottom elevation. Observed finishers rubbing surfaces of East Monos #115, #117 & #120; Noted East Monos #113, #115, #117, #119, #120, #121, #122, #124 & #126 were covered with wetted burlene for curing. Observed placement of 4" stabilization slab between EB/L Sta's 103+35 and 103+75.  
**RESTEEL INSTALLATION:** Checked and found all required resteel properly set, spaced and tied for the wall stems and bottom sections of East Monos #111 & #118 this date. All resteel set and tied in accordance with approved shop drawings. Resteel tied at 100%.  
**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:** Weather permitting, contractor anticipates being completed placing all I-Wall Sections in the reach between EB/L Sta's 102+67.72 and 119+02.30 (East Levee between R. E. Lee Blvd. and Pump Station #4), by 12 May 1995.

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

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

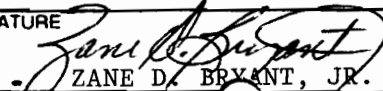

**GOVERNMENT PERSONNEL ON SITE**

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
C. WAGNER	Civ. Engr., GS-11	2 hrs. (Mon)	PE
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.)

Checked and found all concrete trucks being used to deliver concrete on Mon., 01 May 95, had properly working back-up alarms.

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 02 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/10/95
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FORM CHECK OUT FOR

STRUCTURES  
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO.  
 DACW29-94-C-0079

MONOLITH  
 East # 111

LIFT NO. ONE

ELEVATION  
 from 2.00 to 14.40

DATE OF POUR  
 5-1-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	5-1-95	2:05	ZAB	5-1-95	1420
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	5-1-95	2:05	ZAB	5-1-95	1420
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	5-1-95	2:10	ZAB	5-1-95	1420
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	5-1-95	2:15	ZAB	5-1-95	1425
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	5-1-95	2:15	ZAB	5-1-95	1425
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.86'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 12.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	5-1-95	2:20	ZAB	5-1-95	1430
G. SAFETY (LIST)	JmJ	5-1-95	2:20	ZAB	5-1-95	1430
1. Eye Protection	✓	"	"	✓	✓	✓
2. Ladder + Scaffold	✓	"	"	✓	✓	✓
3. Check Rigging	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	5-1-95	2:20			
Expansion Material	NONE THIS POUR		5-1-95	"		

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1445	2				
Conc. Bucket	1	1.0 GY	1445	2				
conc. Vibrator	1	18'	1445	2				

J. REMARKS  
 SLUMP = 3 1/2" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 84° ;  
 AIR TEMPS = 84° ; 3 Test Cylinders (LA-35)

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.

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 East # 118

LIFT NO. ONE

ELEVATION from 2.00 to 14.40

DATE OF POUR 5-1-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	5-1-95	11:00	ZAB	5-1-95	1110
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	5-1-95	11:00	ZAB	5-1-95	1110
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	5-1-95	11:05	ZAB	5-1-95	1110
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	5-1-95	11:10	ZAB	5-1-95	1115
CONDITION	✓	"	"	✓	✓	✓



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	5-1-95	11:10	ZJB	5-1-95	1115		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.83'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	5-1-95	11:10	ZJB	5-1-95	1115		
G. SAFETY (LIST)	Jmj	5-1-95	11:15	ZJB	5-1-95	1115		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	5-1-95	11:15	ZJB	5-1-95	1115		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1140	2				
Concrete Bucket	1	1.0 c.y.	1140	2				
Concrete Vibrator	1	18'	1140	2				
J. REMARKS	SLUMP = 4 1/2" ; AIR ENTR. = 4.7% ; CONCRETE TEMPS = 85° ; AIR TEMPS = 84° ; 3 Test Cylinders (LA-35) FINAL CLEARANCE							
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.								

DATE 5-1-95

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:**

Observed concrete placement for Inwall monolith near Sta. 104+00 (approx). Survey controls used to maintain alignment + elevation. Concrete placed in bucket, dropped less than 5' with use of trammus + well vibrated. Previous placed monoliths still being cured using wet burlap blankets.

**Instructions to COC/Remarks:**

None given today.

Chun F. Nguyen Proj Engr  
Name Title

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

DATE: 05/01/95

REPORT NO.: 150

SKIES: Pt. Cloudy

RAIN: 0

IN. TEMP.: 68 MIN 86 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.6) NOISE: Moderate

WORK PERFORMED/LOCATION

04/29/95 Saturday - No work performed.

04/30/95 Sunday - No work performed.

05/01/95 Monday - B & K CONSTRUCTION - Wrecked Forms at East I-Wall Monoliths #120 and #115. These Forms were cleaned, oiled, and then set up at East I-Wall Monoliths #118 and #111. Placed Concrete at East Monoliths #118 & #111 today. Installed one Bond Cable at East Monolith Joint #108-#107, and welded #6 Rebar on top of new Sheet Piling at East Monolith #109 for Cathodic Protection. Formed and poured Stabilization Slab on the East Bank from Station 103+75 to Station 103+35. Cement Finishers patched tie-bolt holes in East Monoliths #120 & #115, and patched and rubbed Concrete surfaces at East Monoliths #117 & #120. Laborers set curing blankets on I-Walls and wet down Concrete and Builene.

GILL'S CRANE SERVICE - Hauled cut off Sheet Piling pieces off the job site to be scrapped (pieces from existing Frodingham Sheets that were cut at elevation +6.75).

ARCADIA REBAR - Tied Reinforcing Steel at East I-Wall Monoliths #111 & #118 (bottom and top). Pre-tied 2 more Re-Steel mats on the Levee for future placement in I-Wall stems.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	5	5	No
Komatsu D37P Dozer	-	Yes	2	6	No
Kubota 151 Excavator	-	Yes	1	7	No
Case 580 Backhoe	-	Yes	2	6	No
Koehring 535 Crane	-	Yes	2	6	No
MKT Vibro Hammer	-	No	0	8	No
Fiat Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	8	2	No
JSW Excavator	-	Yes	3	5	No
Welding Machine	-	Yes	1	7	No

MATERIALS RECEIVED

Received 36 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY for placement in East I-Wall Monolith #111 & #118. Also received 6 c.y. of Concrete (Mix #44) for placement in Stabilization Slab on the East Bank between Station 103+75 and Station 103+35.

DELTA TESTING'S technician sampled and tested this material today. Test results are on Page #3 of this report.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

I inspected the Concrete Floodwall work done today on the East Bank. The Stabilization Slab, Reinforcing Steel, and Sheet Piling were clean and damp before Concrete placement began. Reinforcing Steel clearances were checked, and found to be between 2" and 3 1/2". Form condition was not excellent, but was acceptable. Alignment was checked with a transit at the bottom and top of the wall. Turnbuckles were adjusted to bring the top of the wall to within 1/8" of plan alignment. Elevation was set at 14.41 on the Canal side top of the I-Wall. (Carpenters measured up 10.91' from a control elevation mark of +3.50'.) The width of the I-Wall was checked, and found to be 1.76' at bottom, and 0.99' to 1.01' at the top. Chamfer Strips, Water Stops, and Expansion material were all installed properly.

Inspected LAFARGE'S Concrete (Mix #44) delivered today. Slumps on all delivery trucks were 2" to 4" as arrived before any water was added. Entrained Air was between 4% and 5% (determined by DELTA TESTING). Concrete appeared to be mixed thoroughly, with no foreign matter observed. Temperature of concrete was  $\pm$  85, Farenheit. Still 5, below the 90, maximum. Concrete delivery tickets showed the batch weights for each ingredient in the Concrete.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING conducted Concrete tests and molded cylinders from today's Concrete (Mix #44) from LAFARGE.

SLUMPS were detemined to be 3 1/2" and 4 1/2".

ENTRAINED AIR was found to be 4.7% and 5.0%.

TEMPERATURE of Concrete was  $\pm$  85, Farenheit.

Cylinders will be delivered to the Government Lab tomorrow.

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	79	B & K	Wrecking, cleaning, and setting up I-Wall Forms; placing, finishing, and curing I-Wall Concrete; Forming & pouring Stabilization Slab; installing Cathodic Protection. (See Page 1.)
7	Skilled	73	"	
1	Supt.	10.5	"	
1	Q.C.Rep.	9.5	"	
4	Skilled	32	ARCADIA REBAR	Tying Re-Steel for new I-Wall Monoliths. (See Page 1 for locations.)
1	Skilled	3	GILL'S CRANE	Hauling off scrap Sheet Piling from the East Bank.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked handrails and mid-rails on scaffolding at East I-Wall Monolith #111. Found the handrail to be loose at one end. I had the Carpenter Crew add nails to secure this handrail section, and go over the remaining hand & mid-rails adding nails where needed.

REMARKS

(Instructions received, miscellaneous remarks)

None.

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.

  
Authorized Q C Representative

05/02/95

Date

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

THE QAR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

112

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

DATE Friday  
28 April 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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

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

TEMPERATURE	
MINIMUM	MAXIMUM
59°	82°

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
			1-8 hrs	1-8 hrs	

Canal RIVER STAGE	
FEET	TIME
2.10'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-20 hrs	11-93 hrs	9-89 hrs	22-202

NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3			
FROM	TO	FROM	TO	FROM	TO
0730 M	1800 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. - REINFORCED CONCRETE FLOODWALL
- b. Gill's Crane Service, Inc. - TEMPORARY FLOOD PROTECTION
- 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) Set forms & poured concrete for East Monos #113 & #120; Wrecked forms from East Monos #117 & #122; Formed & Poured stabilization slab between EB/L Sta's 103+75 & 104+10; Rubbed surfaces of East Monos #119 & #122; Welded #6 rebars to tops of sheet piles for East Monos #109 - #111.
- b) Cut-off existing sheet piles at elev. +6.75 between EB/L Sta's 102+64 & 103+00.
- c) Set & tied top resteel for E. Monos #113 & #120, and bottom resteel for E. Mono #120.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04,11,12 & 21 Apr 95.  
50% of days lost due to adverse weather/high tides on 05,06,07,10,13,18,20 & 24 Apr 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: 03 APR 96

PERCENT PROJECT COMPLETE: 19.0%

PERCENT TIME ELAPSED: 42.8%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

TEMPORARY FLOOD PROTECTION: 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 QA Inspections were performed this date:

REINFORCED CONCRETE FLOODWALL: Checked East Monos #117 & #122 after forms were removed, and noted no damages to surfaces or fractured fins, only minor air bubbles. Performed Pre-Placement Inspections on East Monos #113 & #120 this date (see attached LMN Form 1246's). Found all waterstops, expansion material, rebars, and chamfer strips properly installed. Observed placement and vibration of concrete this date. Concrete was placed in lifts of less than 18", with drops of less than 5', and was well vibrated. Witnessed Rep. from Delta Testing performing required concrete test and molding 3 test cylinders (see back of attached LMN Form 1246's for test results). Checked stab. slab area between EB/L Sta's 103+60 and 104+10, and found it to be graded to allow for +4.0" of concrete. Observed placement of concrete for stab. slab between EB/L Sta's 103+75 and 104+10. Checked and found that #6 rebars were welded to the tops of all sheet piles for East Monos #109 thru #111 for cathodic protection, as required. Observed finishers rubbing and patching surfaces of East Monos #119 and #122 with a sand/cement grout mixture. Contractor still needs to go back through all previously placed monoliths and repair air bubbles larger than 1/2" in fractured fins. (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 OCR REPORT OR DISAGREEMENTS.**

NOTE: As of COB this date, Contractor has 11 I-Wall monoliths and 2-collar monoliths to complete in this reach, between Robert E. Lee Blvd. and Pumping Station #4 on the East Levee.

Contractor's Quality Control Report (submitted/~~XXXXXX~~) 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	7 hrs.		QAR

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

Noted finishers wearing hard hats, rubber gloves and safety glasses this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 02 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/8/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 112

DATE Fri. - 28 Apr 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:  
(CONTINUED FROM ORIGINAL QA REPORT)


TEMPORARY FLOOD PROTECTION: Observed subcontractor continue cutting off the existing sheet piles (RZ-10) between EB/L Sta's 102+64 and 103+00. Pile were cut-off at elev. +6.75' as required for temporary flood protection. Noted subcontractor also hauled off one load of scrap sheet piles this date.

RESTEEL INSTALLATION: Observed subcontractor (Arcadia) setting and tying all required resteel for the wall stem and bottom of East Mono #120 and the bottom of East Mono #113. All resteel was tied at 100%, and spaced in accordance with approved shop drawings. The correct quantity and size of resteel was installed this date, as indicated on approved shop drawings.

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

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:  
NONE

REMARKS:  
NONE

  
ZANE D. BRYANT, JR.  
Inspector's Signature



FORM CHECK OUT FOR

 STRUCTURES REINFORCED CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave

CONTRACT NO.

Canal, Mirabeau Ave. to Leon C. Simon Blvd.

DACW29-94-C-0079

MONOLITH

LIFT NO.

ELEVATION

DATE OF POUR

East # 113

ONE

from 2.00 to 14.40

4-28-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	4-28-95	1:00	ZAB	4-28-95	13:15
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	4-28	1:00	ZAB	4-28-95	13:15
CLEANLINESS	✓	"	1:00	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	4-28	1:05	ZAB	4-28-95	13:15
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	4-28	1:10	ZAB	4-28-95	13:15
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	4-28	1:10	ZJB	4-28-95	1320		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.88'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	4-28	1:15	ZJB	4-28-95	1325		
G. SAFETY (LIST)	Jmj	4-28	1:15	ZJB	4-28-95	1325		
1. Safety Glasses	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	4-28	1:20					
Expansion Material	None This Pour	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1415	2.25				
Concrete Bucket	1	1.0 c.y.	1415	2.25				
Concrete vibrator	1	18'	1415	2.25				
J. REMARKS	SLUMP = 3 1/2" ; AIR ENTR. = 3.5% ; CONCRETE TEMPS = <del>80</del> 83° ; AIR TEMPS = 80° ; 3 Test Cylinders (LA-34) <b>FINAL CLEARANCE</b> CONTRACTOR REPRS: <i>Jerry Th. Justice</i> C.O.E. REPRS: <i>Zarell Bryant</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.							

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 East # 120

LIFT NO. ONE

ELEVATION from 2.00 to 14.40

DATE OF POUR 4-28-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	4-28-95	10:20	ZJB	4-28-95	1030
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	4-28	10:20	ZJB	4-28-95	1030
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	4-28	10:25	ZJB	4-28-95	1030
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	4-28	10:30	ZJB	4-28-95	1035
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	4-28-95	10:30	ZUB	4-28-95	1035		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.84'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	4-28	10:30	ZUB	4-28-95	1035		
G. SAFETY (LIST)	JmJ	4-28	10:35	ZUB	4-28-95	1040		
1.	✓	"	"	✓	✓	✓		
2.	✓	"	"	✓	✓	✓		
3.	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	4-28	10:35	ZUB	4-28-95	1040		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	10:45	2				
Concrete Bucket	1	1.0 c.y.	10:45	2				
Concrete Vibrator	1	18'	10:45	2				
J. REMARKS	SLUMP = 5 1/2" ; AIR ENTR. = 4.0% ; CONCRETE TEMPS = 82° ;							
	AIR TEMPS = 83° ; 3 Test Cylinders (LA-34)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:				C.O.E. REPRS:				
Jerry M Justice				ZUB				
<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: 04/28/95

REPORT NO.: 149

SKIES: Clear

RAIN: 0 IN. TEMP.: 59 MIN 82 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.1) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked East I-Wall Monoliths #117 and #122. Cleaned, oiled, and set I-Wall Forms at East Monoliths #113 and #120. Welded #6 Rebar on top of CZ-101 Sheet Piling for Cathodic Protection. Formed & poured Stabilization Slab on the East Bank from Station 104+10 to Station 103+75. Poured Concrete at East I-Wall Monoliths #113 and #120 today. Cement Finishers worked on East Monoliths #119 and #122, patching and repairing Concrete surfaces.

GILL'S CRANE SERVICE - Cut off existing Sheet Piling for Temporary Flood Protection on the East Bank from Station 103+00 to Station 102+64. Also hauled off one truck load of scrap Sheet Piling.

ARCADIA REBAR - Tied Reinforcing Steel at East I-Wall Monolith #120 (bottom and top) and Monolith #113 (top Steel only). Also pre-tied one Re-Steel mat on the Levee for future placement.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	4	4	No
Komatsu D37F Dozer	-	Yes	1	7	No
Kubota 151 Excavator	-	No	0	8	No
Case 580 Backhoe	-	Yes	2	6	No
Koehring 535 Crane	-	Yes	5	3	No
MKT Vibro Hammer	-	Yes	3	5	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	6	3	No
JSW Excavator	-	Yes	3	5	No
Welding Machine	-	Yes	2	6	No

MATERIALS RECEIVED

Received 36 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE today for East I-Wall Monoliths #113 and #120. DELTA TESTING performed tests and inspection of this material. See DELTA'S Test Reports for details.

Also received 4 c.y. of Concrete (Mix #44) for use in Stabilization Slab (East B/L Station 104+10 to Station 103+75. No tests were performed on this material.



QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the wrecking of Forms at East I-Wall Monoliths #117 and #122. Forms were not wrecked until 18 hours had passed since completion of Concrete placement. (East Monolith #117 was poured on 04/26/95; East Monolith #122 was poured on 04/27/95, the pour was completed at 12:30 PM, and Forms were wrecked at 8:00 AM today. Care was taken when removing the Forms not to damage the Fractured Fins. The Walls were then covered with Burlene and wet down by laborers.

Checked the I-Walls poured during the previous 7 day period for proper curing of Concrete. Monoliths inspected were East Monoliths #126, #124, #122, #121, #119, #117, and #115. These Walls were covered with Burlene Blankets when Cement Finishers were not working on them. Upon my inspection, some of the Walls were not thoroughly wet. I instructed the labor foreman to have these Walls wet down immediately, which he did.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING - Performed Concrete tests as required by the Contract specifications, on Mix #44 delivered by LAFARGE CONCRETE today.

SLUMPS were 5 1/2" and 3 1/2".

ENTRAINED AIR was recorded at 4.0% and 3.5%.

Three Cylinders were molded for compressive strength tests, and will be delivered to the Government Lab on Monday morning 05/01/95.

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
3	Unskilled	81	B & K	Wrecking, cleaning, oiling & setting
7	Skilled	67	"	I-Wall Forms; placing, finishing, &
1	Supt.	10.5	"	curing I-Wall Concrete; welding #6
1	Q.C.Rep.	9.5	"	Rebar on top of new CZ-101 Sheets;
				forming & pouring Stabilization Slab.
				(See Page 1 for locations.)
3	Skilled	18	ARCADIA REBAR	Tying Re-Steel for new I-Wall.
				(See Page 1 for locations.)
1	Skilled	8	GILL'S CRANE	Cutting off existing Sheets for Temp.
1	Unskilled	8	"	Flood Protection. Hauling scrap
				Sheets off of the jobsite. (Page 1.)

JOB SAFETY

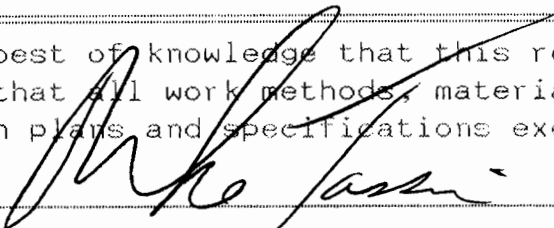
(Note inspection, violations/actions taken)

Checked the traffic control signs on Robert E. Lee Blvd. today. All warning signs required by the Traffic Control Plan were in place. A flagman was provided to assist Concrete trucks entering and exiting the Levee. The flagman wore an orange safety vest and used an orange flag to stop traffic.

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.

  
Authorized Q C Representative

05/01/95

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  
111

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

DATE Thursday  
27 April 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 & Warm

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 58°	MAXIMUM 79°

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 1-1 hr.	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 2-9 hrs	LABOR
------------------------	--------	--------	-----------------------	------------------	-------

FEET 2.20'	TIME 0800 M
---------------	----------------

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-19½ hrs	SKILLED 11-108 hrs	LABORERS 9-91 hrs	TOTAL 22-218½
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NUMBER OF SHIFTS

FROM 0730 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; CLEARING & GRUBBING
- b. Gill's Crane Service, Inc. - TEMPORARY FLOOD PROTECTION
- 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 & poured East Monos #115 & #122; Wrecked forms from East Monos #119 & #124; Rubbed and patched surfaces of East Monos #119, #124 & #126; Cured East Monos #119, #121, #124 & #126; Poured slab between EB/L Sta's 104+10 & 104+60; Welded #6 bars to tops of sheetpile
- b) Cut-off existing sheet piles at elev. +6.75' between EB/L Sta's 102+80 & 103+00.
- c) Set & tied resteel top & bottoms for East Monos #115 & #122.

Days of no work and reasons for same:

- 100% of days lost due to adverse weather/high tides on 04,11,12 & 21 Apr 95.
- 50% of days lost due to adverse weather/high tides on 05,06,07,10,13,18,20 & 24 Apr 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.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 18.8%  
PERCENT TIME ELAPSED: 42.6%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

- Attended the following CQC Inspection Phases this date:
- REINFORCED CONCRETE FLOODWALL: See "Verbal Instructions" on back of this report.
  - TEMPORARY FLOOD PROTECTION: 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 East Monos #119 & #124 after forms were removed and found no damages to surfaces or fractured fins, and few air bubbles. Performed Pre-Placement Inspections of East Monos #115 & #122 (see attached LMN Form 1246's). Observed placement and vibration of concrete into forms for the above mentioned I-Wall monoliths. Concrete was placed in lifts of less than 18", with drops of less than 5', and was well vibrated. Witnessed Rep. from Delta Testing performing required concrete test and molding 3 test cylinders (see back of attached LMN Form 1246's for test results). Checked stabilization slab area between EB/L Sta's 104+00 & 104+60 and found it to be graded to allow for +4.0" of concrete. Noted that #6 rebars were welded to the tops of all sheet piles for East Monos #112 & #113. Noted that East Monos #119, #121, #124 & #126 were covered with wet burlene for curing. Observed finishers rubbing & patching on surfaces of East Monos #119, #124 & #126.

**CLEARING & GRUBBING:** Noted Contr. removed brush & debris from F/S of existing sheet piles wall between EB/L Sta's 102+62 and 103+15.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

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

See "Verbal Instructions" on back of QAR #109, dated 25 April 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)**

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
C. WAGNER	Civ. Engr., GS-11	1 hr.	PE
Z. BRYANT	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.)**

Checked and found back-up alarms working properly on the Case 580 loader/backhoe this date.

No safety infractions were noted this date.

Contractor held Weekly Safety Meeting on site this date. See attached minutes.

INSPECTOR'S SIGNATURE

*[Signature]*  
ZANE D. BRYANT JR.

DATE

01 MAY 95

SUPERVISOR'S INITIALS

*[Initials]*

DATE

5/2/95

QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 111

DATE Thu. - 27 Apr 95

**QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:**

(CONTINUED FOR ORIGINAL QA REPORT)

TEMPORARY FLOOD PROTECTION: Observed subcontractor (Gill) pulling existing sheet piles up approx. 3.25' and cutting them off at approx. elev. +6.75' as required for flood protection, between EB/L Sta's 102+80 and 103+00. Also noted that Gill began hauling previous cut-off sections of piles off of the jobsite.

RESTEEL INSTALLATION: Observed subcontractor (Arcadia) setting and tying all required resteel of the tops and bottoms of East Monos #115 and #122 this date. All resteel was properly spaced 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

  
LANE D. BRYANT, JR.  
Inspector's Signature



FORM CHECK OUT FOR

 STRUCTURES REINFORCED CONCRETE FLOODWALLJOB Lake Pontchartrain, LA. and Vicinity, London Ave  
Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

East # 122

LIFT NO.

ONE

ELEVATION

from 2.00 to 14.40

DATE OF POUR

4-27-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	4-27-95	10:10	ZAB	4-27-95	1020
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	4-27	10:10	ZAB	4-27-95	1020
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	4-27	10:15	ZAB	4-27-95	1020
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	4-27	10:20	ZAB	4-27-95	1025
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	4-27-95	10:20	ZAB	4-27-95	10:25		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.84'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	4-27	10:25	ZAB	4-27-95	10:30		
G. SAFETY (LIST)	JmJ	4-27	10:25	ZAB	4-27-95	10:30		
1. Scaffold + Ladder	✓	"	"	✓	✓	✓		
2. Eye Protection	✓	"	"	✓	✓	✓		
3. Rigging	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	4-27	10:25					
Expansion Material	✓	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	10:40	1.75				
Concrete Bucket	1	1.0 c.y.	10:40	1.75				
Concrete Vibrator	1	18'	10:40	1.75				
J. REMARKS	SLUMP = 5" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 80° ; AIR TEMPS = 78° ; 3 Test Cylinders (LA-33)							
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.								



FORM CHECK OUT FOR

 STRUCTURES REINFORCED CONCRETE FLOODWALLJOB Lake Pontchartrain, LA. and Vicinity, London Ave  
Canal, Mirabeau Ave. to Leon C. Simon Blvd.

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

# 115

LIFT NO. 1

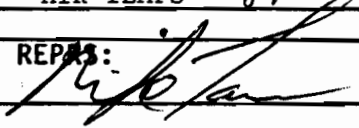
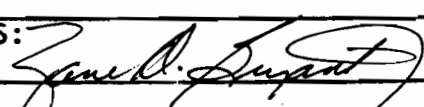
ELEVATION

from 2.00 to 14.40

DATE OF POUR

4-27-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	MIKE T	4-27-95	13:45	ZAB	4-27-95	1345
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	MIKE T	4-27-95	13:45	ZAB	4-27-95	1345
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	MIKE T	4-27-95	13:45	ZAB	4-27-95	1345
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	MIKE T	4-27-95	13:45	ZAB	4-27-95	1350
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	MIKE T	4-27-95	13:45	ZOB	4-27-95	1345		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.88'	✓	"	"	✓	✓	✓		
WIDTH 1.75-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	MIKE T.	4-27-95	13:45	ZOB	4-27-95	1345		
G. SAFETY (LIST)	MIKE T.	4-27-95	13:45	ZOB	4-27-95	1345		
1. SCAFFOLD & LADDER	✓	"	"	✓	✓	✓		
2. EYE PROTECTION	✓	"	"	✓	✓	✓		
3. RIGGING	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	MIKE T	4-27-95	13:45	ZOB	4-27-95	1345		
EXPANSION MATERIAL	None This Pour	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
HOMATSU 200	1	EXCAVATOR	10:45	2.0				
CONCRETE BUCKET	1	1.0 CY	10:45	2.0				
CONCRETE VIBRATOR	1	18'	10:45	2.0				
J. REMARKS	SLUMP = 2 3/4" ; AIR ENTR. = 4.6% ; CONCRETE TEMPS = 83° ; AIR TEMPS = 84° ; 3 Test Cylinders (LA-33)							
FINAL CLEARANCE								
CONTRACTOR REPRS: 				C.O.E. REPRS: 				
<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.								

DATE: 4-27-85

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:**

Observed contractor personnel setting up forms for concrete placement later in day. Surveyors & carpenters checking line & grade and installing checker strips inside form.

Also observed subcontractor tying rebar for future wall placements & other sub cutting the existing sheats @ ab. 6.75' for temp.

flood protection. All personnel wearing hard hats, safety shoes & gloves when working on-site.

Wat burlap blankets still covering previously placed walls for curing purposes.

**Instructions to COC/Remarks:**

None today

Chunf Wagner Proj Engr  
Name Title

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

DATE: 04/27/95

REPORT NO.: 148

SKIES: Cloudy

RAIN: 0 IN. TEMP.: 58 MIN 79 MAX

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

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked East Monoliths #124 and #119. Cleaned, oiled, and set Forms at East Monoliths #122 and #115. Placed Concrete at East I Wall Monoliths #122 & #115 today. Formed and poured Concrete Stabilization Slab on the East Bank from Station 104+60 to Station 104+10. Welded #6 Rebar on top of new CZ-101 Sheet Piling for Cathodic Protection at East Monoliths #113 and #112. Cleared and grubbed on the East Bank from Station 103+15 to Station 102+62. Laborers pumped water, graded out Excavation for Stabilization Slab, flagged traffic and assisted Carpenters and Cement Finishers.

GILL'S CRANE SERVICE - Pulled up existing Sheet Piling on the East Bank from Station 103+00 to Station 102+80 and began cutting them off at elevation +6.75 for Temporary Flood Protection. Began hauling off Sheet Pile cut offs that were stacked in the Pumping Station #4 yard. (Still more scraps left to haul off.)

ARCADIA REBAR - Tied Reinforcing Steel at East I-Wall Monoliths #122 and #115 (bottom and top). Also pre-tied two mats on the Levee to be placed in the future at I-Wall tops.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	4	4	No
Komatsu D37P Dozer	-	Yes	2	6	No
Kubota 151 Excavator	-	Yes	2	6	No
Case 580 Backhoe	-	Yes	2	6	No
Koehring 535 Crane	-	Yes	4	4	No
MKT Vibro Hammer	-	Yes	3	5	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	7	3	No
JSW Excavator	-	Yes	4	4	No
Welding Machine	-	Yes	1	7	No

MATERIALS RECEIVED

Received 18 c.y of Mix #44 Concrete from LAFARGE for East I-Wall Monoliths #122 and #115. Also received 6 c.y. of Concrete (Mix #44) from LAFARGE for Stabilization Slab between East B/L Station 104+60 and 104+10.

See "Tests Performed" for details of Concrete inspections.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the clearing & grubbing work done today. All trees, brush & grass were removed to 5 feet from each side of the I-Wall limits. Concrete rubble and roots were grubbed out of the ground to a depth of 3' below bottom of I-Wall elevation. Cleared materials have yet to be disposed of.

Inspected curing of I-Wall Monoliths. Burlene Blankets covered East Monoliths #126, #124, #123, #122, #121, #119, and #117. Laborers wet down these blankets and Walls throughout the day. Blankets were held in place by wooden brackets at the top, and weighted down by sand bags at the bottom.

Cement Finishers were patching tie-bolt holes on East Monoliths #124 and #119 today. Also patching and rubbing Concrete surfaces at East Monoliths #124, #119, and #122. Cement and sand mixture was blended with grey & white Cement to match the color of the Concrete Walls. Some holes in between Fractured Fin finish still need to be patched.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING performed Concrete tests today on Mix #44 placed in I-Wall Monoliths.

SLUMPS were found to be 5" abd 2 3/4"

AIR CONTENTS were 5.2% and 4.6%

Three Test Cylinders were molded and will be delivered to the Government Lab tomorrow.

DELTA TESTING also monitored vibrations caused by Sheet Pile driving operations on the East Bank near Station 103+00. (Results furnished only to the ORLEANS LEVEE BOARD.)

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	83	B & K	Wrecking, forming, pouring, finishing,
7	Skilled	76	"	& curing Concrete I-Wall Monoliths;
1	Supt.	10	"	Welding #6 Rebar on CZ-101 Sheets;
1	Q.C.Rep.	9.5	"	Forming & pouring Stabilization Slab;
				Cleaing & grubbing (See Page 1.)
3	Skilled	24	ARCADIA REBAR	Tying Reinforcing Steel for I-Wall on
				the East Bank. (See Page 1.)
1	Skilled	8	GILL'S CRANE	Pulling up existing Sheet Piling for
1	Unskilled	8	"	Temp. Flood Protection; Hauling scrap
				Sheets off the site. (See Page 1.)

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the workers for Steel Toed Boots in the work area today. All employees checked were wearing leather or rubber boots with Steel Toes.

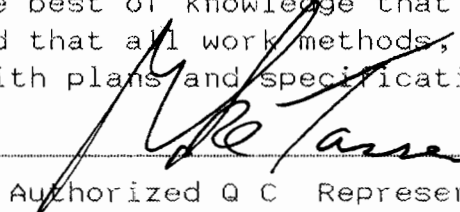
Also checked Cement Finishers for rubber gloves while handling Cement & Concrete. Workers were wearing proper hand protection, and replacement gloves were made available to them.

REMARKS

(Instructions received, miscellaneous remarks)

Inspector Zane Bryant reminded us again that any honeycombs or air bubble holes larger than 1/2" must be patched before painting is done. Some holes in between the Fractured Fin finish need to be filled.

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.

  
 \_\_\_\_\_  
 Authorized Q C Representative

04/28/95

\_\_\_\_\_  
 Date

B & K CONSTRUCTION  
MINUTES OF SAFETY MEETING

DATE: 04/24/95

TIME: 7:30 AM

PROJECT: DACW29-94-C-0079 LONDON AVENUE OUTFALL CANAL  
LONDON AVENUE FLOODWALL

MEETING CONDUCTED BY: JERRY JUSTICE

PERSONS ATTENDING: SEE ATTACHED

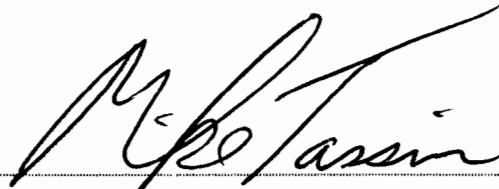
TOPICS DISCUSSED: RIGGING & LOAD LIFTING SAFETY

The Weekly Safety Meeting held today concerned proper rigging, inspection of heavy loads, and proper lifting procedures of heavy loads. Operators were reminded that they are ultimately responsible for the lift, and if they have any doubt as to the safety of the rigging or equipment being used, to stop the lift until the problem is fixed. Carpenters & laborers were told to rig safely, then stop and make a thorough check of all slings, shackles, and other rigging before signalling the operator to hoist. Once the load is being lifted, make sure the rigging is straight, and the load is being picked up level. Don't be afraid to lower the load and re-set the rigging, if necessary.

Never swing a suspended load over any personnel. Always sound the horn when swinging or hoisting a load, to warn any nearby personnel. Check Forms before lifting to make sure no loose tools or materials can fall off while the load is in the air. Report any unsafe equipment or rigging to Superintendent Mike Tassin.

COMMENTS:

Always provide a flagman to signal the operator when he cannot see the load. Review the Crane Signal Chart if you are not familiar with it.



Q.C. REPRESENTATIVE  
B & K CONSTRUCTION



Safety Meeting

4-24-95

Attendees List

Steve Thome  
Mike Conzant

Larry J. Lee

Willie Dillon

Burrell Jones Jr.

Howard Thompson

Jack Leonard  
Kevin P. Fauchard  
Lamin Carter

Robert Brown

Dale S. Surrain

Paul R.

Gregory Jackson

Eric Bailey

Craig H. Hays

Mike Tammie

**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

110

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

DATE Wednesday  
26 April 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 & 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 52°	MAXIMUM 77°
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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 1-7½ hrs	TOTAL 1-7½ 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 9-99 hrs	LABORERS 8-76 hrs	TOTAL 19-196 hrs	FROM 0730 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
- 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) Set forms and placed concrete for East Monos #117 & #119; Wrecked forms from East Mono #121; Set reinforcement steel for wall stem of East Mono #117; Installed cathodic protection jumpers between East Monos #108 thru #112; Welded #6 bars to tops of sheet piles between Monos #114 thru #117; Poured stab. slab between EB/L Sta's 104+60 & 105+20; Rubbing I-Walls; Curing.
- b) Drove 32 pcs of CZ-101 X 24'-9" piles between EB/L Sta's 103+27.25 & 103+85.

Days of no work and reasons for same:

- 100% of days lost due to adverse weather/high tides on 04,11,12 & 21 Apr 95.
- 50% of days lost due to adverse weather/high tides on 05,06,07,10,13,18,20 & 24 Apr 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. See attached CQC Report for details.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 18.6%  
PERCENT TIME ELAPSED: 42.4%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

- Attended the following CQC Inspection Phases this date:
- REINFORCED CONCRETE FLOODWALL: 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:** Checked East Mono #121 after forms, were removed and noted no damage to surfaces or fractured fins, and few air bubbles. Performed Pre-Placement Inspections on East Monos #117 and #119 prior to placing concrete (see attached LMN Form 1246's). Observed placement and vibrating of concrete this date. Concrete was placed in lifts of less than 18", with drops of less than 5', and was well vibrated. Witnessed Rep. from Delta Testing performing required test on concrete used this date and molding 3 test cylinders (see back of attached LMN Form 1246's for test results). Checked and found that the #6 rebars were welded to the tops of all sheet piles between East Monos #114 & #117; Checked installation of cathodic jumpers between East Monos #108 & #112, and found properly cadwelded & coated with epoxy resin approx. 8" below I-Wall elevation. Noted finishers rubbing and patching on East Monos #121 & #126; Curing being performed by wet burlene on Monos #121, #123, #124 & #126. Checked and found area for stab slab between EB/L Sta's 104+50 & 105+20 graded to allow for +4" of concrete.

**STEEL SHEET PILES:** Observed subcontractor (Gill) driving 32 pcs of CZ-101 X 24'-9" sheet piles between EB/L Sta's 103+27.25 & 103+85. All sheet piles driven plumb and on alignment.

**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:**

NONE

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

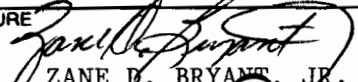

**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	6½ 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 by pile driving crew, and found all slings to be in good shape.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 01 MAY 95	SUPERVISOR'S INITIALS 	DATE 5/1/95
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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  
 East # 117

LIFT NO. ONE

ELEVATION  
 from 2.00 to 14.40

DATE OF POUR  
 4-26-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	4-26-95	1:45	ZAB	4-26-95	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	4-26	1:45	ZAB	4-26-95	1350
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	4-26	1:50	ZAB	4-26-95	1350
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	4-26	1:55	ZAB	4-26-95	1355
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	4-26-95	1:55	ZJB	4-26-95	1:55		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.88'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	4-26	1:55	ZJB	4-26-95	1400		
G. SAFETY (LIST)	JmJ	4-26	2:00	ZJB	4-26-95	1400		
1. safety Glasses	✓	"	"	✓	✓	✓		
2. Digging	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	4-26	2:00					
Exp. Material	None This Pour		"	"				
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1410	1 3/4				
conc. Bucket	1	1.0 c.y.	1410	1 3/4				
conc. Vibrator	1	18'	1410	1 3/4				
J. REMARKS	SLUMP = 2 3/4" ; AIR ENTR. = 4.6% ; CONCRETE TEMPS = 84° ;							
	AIR TEMPS = 77° ; 3 Test Cylinders (LA-32)							
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.								

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

East # 119

LIFT NO.

ONE

ELEVATION

from 2.00 to 14.40

DATE OF POUR

4-26-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	4-26-95	11:10	ZJB	4-26-95	1115
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	4-26	11:10	ZJB	4-26-95	1115
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	4-26	11:15	ZJB	4-26-95	1115
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	4-26	11:20	ZJB	4-26-95	1120
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	4-26-95	11:20	ZAB	4-26-95	1120		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	4-26	11:25	ZAB	4-26-95	1120		
G. SAFETY (LIST)	JmJ	4-26	11:25	ZAB	4-26-95	1120		
1. Safety Glasses	✓	"	"	✓	✓	✓		
2. Ladder/Scaffold	✓	"	"	✓	✓	✓		
3. Check Rigging	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	4-26	11:25					
Expansion Material	None this pour		"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1150	2				
Concrete Bucket	1	1.0 C.Y.	1150	2				
Concrete Vibrator	1	18'	1150	2				
J. REMARKS	SLUMP = 3 1/2" ; AIR ENTR. = 4.0% ; CONCRETE TEMPS = 80° ; AIR TEMPS = 82° ; 3 Test Cylinders (LA-32) (12:56pm)							
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: 04/26/95

REPORT NO.: 147

SKIES: Clear

RAIN: 0 IN. TEMP.: 52 MIN 77 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.0) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked East Monolith #121. Cleaned, oiled, and set Forms at East Monoliths #119 and #117. Set Reinforcing Steel at East Monolith #117 (top only). Welded #6 Rebar on top of new CZ-101 Sheet Piling for Cathodic Protection at East Monoliths #117, #116, #115, and #114. Installed Bond Cables for Cathodic Protection at East Monolith Joints #112-#111, #111-#110, #110-#109, and #109-#108. Placed Concrete at East Monoliths #119 and #117 today. Formed and poured Stabilization Slab on the East Bank from Station 105+20 to Station 104+60. Cement Finishers continued patching and rubbing Concrete I-Walls. Laborers wet down curing I-Wall Monoliths, and helped with Concrete and Form work.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the East Bank from Station 103+85 to Station 103+27.25. (32 pieces at 24'9" long each.)

ARCADIA REBAR - NO SHOW TODAY!

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	5	5	No
Komatsu D37P Dozer	-	Yes	2	6	No
Kubota 151 Excavator	-	Yes	1	7	No
Case 580 Backhoe	-	Yes	2	6	No
Koehring 535 Crane	-	Yes	6	2	No
MKT Vibro Hammer	-	Yes	5	3	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	7	3	No
JSW Excavator	-	Yes	3	5	No
Welding Machine	-	Yes	2	6	No

MATERIALS RECEIVED

Received 36 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY today. Placed this material in East I-Wall Monoliths #119 and #117. Also received 6 c.y. of Concrete (Mix #44), and placed this material in Stabilization Slab on the East Bank between Station 105+20 and 104+60.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Cathodic Protection work done today. The #6 Rebar was welded to the top of each piece of CZ-101 Sheet Piling, but did not extend across Monolith Joints. The welds were spot checked to insure a good connection to the Steel Sheet Piling. Bond Cables were exothermically welded to the CZ-101 Steel Sheet Piling on each side of each Monolith Joint listed as "Work Performed" on Page 1. Steel Sheets were cleaned and dried before cad-welding work was attempted. Bare copper was covered with epoxy insulating caps after completion of cad-welds. Holes were back-filled with existing soil before Stabilization Slab Concrete was placed.

For inspection of I-Wall work, refer to LMN Form #1246, which was completed for each Wall prior to placement of Concrete.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING - performed vibration monitoring on the East Bank near Station 103+50, adjacent to Sheet Pile driving work. Also performed Concrete tests on the East Bank on Concrete (Mix #44) placed in I-Wall Monoliths #119 and #117.

SLUMPS were 2 3/4" and 3 1/2"

AIR CONTENTS were 4.0% and 4.6%

Test Cylinders will be delivered to the Government Lab tomorrow.

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	76	B & K	Wrecking, forming, pouring, finishing, & curing new I-Wall; welding #6 Rebar for Cathodic Protection; installing Bond Cables for Cathodic Protection; Forming & pouring Stabilization Slab. (See Page 1.)
7	Skilled	85	"	
1	Supt.	10.5	"	
1	Q.C.Rep.	10.5	"	
2	Skilled	14	GILL'S CRANE	Driving new CZ-101 Sheet Piling on the East Bank. (See Page 1.)

JOB SAFETY

(Note inspection, violations/actions taken)

Checked rigging on the Concrete Bucket today. No excessive wear was noted. Operator checked the rigging on the Concrete Bucket throughout the Concrete pour.

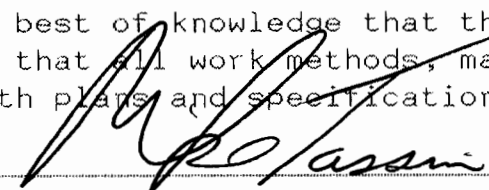
Also checked reverse alarm on the 580 Backhoe. The alarm was working and clearly audible whenever the machine's transmission was in reverse.

REMARKS

(Instructions received, miscellaneous remarks)

Sub-Contractor ARCADIA REBAR did not show up for work at all 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.

  
 \_\_\_\_\_  
 Authorized Q C Representative

04/27/95

\_\_\_\_\_  
 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

109

TO Area Engineer,  
CELMN-CD-NO

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

DATE Tuesday  
25 April 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 & Mild

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 54°	MAXIMUM 74°
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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 1-7 hrs	TOTAL 1-7 hrs	LABOR
-------------	--------	--------	-----------------------	------------------	-------

FEET 2.00'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-19 hrs	SKILLED 13-117 hrs	LABORERS 7-76 hrs	TOTAL 22-212
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NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1		<input type="checkbox"/> 2		<input type="checkbox"/> 3	
FROM 0730 M	TO 1600 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. 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 & poured East Monos #121 & #124; Wrecked forms from East Mono #126; Installed Cathodic jumpers between East Monos 112/113, 113/114, 114/115 & 115/116; Poured stabilization slab between EB/L Sta's 105+20 & 105+80; Rubbed East Monos #126 & #128;
- b) Drove 44 pcs of CZ-101 X 24'-9" piles between EB/L Sta's 103+85 & 104+64.40.
- c) Tied top & bottom resteel for East Monos #117, #119 & #124.

Days of no work and reasons for same:

- 100% of days lost due to adverse weather/high tides on 04,11,12 & 21 Apr 95.
- 50% of days lost due to adverse weather/high tides on 05,06,07,10,13,18,20 & 24 Apr 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: 03 APR 96

PERCENT PROJECT COMPLETE: 18.2%

PERCENT TIME ELAPSED: 42.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: See "Verbal Instructions" on back of this report.

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 East Monos #121 & #124 (see attached LMN Form 1246's). Observed placement & vibration of concrete this date for East Monos #131 & #124. Concrete placed in lifts of less than 18" and well vibrated. Witnessed Rep. from Delta Testing performing required concrete test & molding 3 test cylinders (see back of attached LMN Form 1246's for test results). Checked East Mono #126 after forms were removed. Noted no broken fractured fins or large honeycombs. Observed finishers rubbing and patching on East Monos #126 and #128. Noted East Monos #123, #125, #126 & #128 were covered with wetted burlene when not being rubbed by finishers. Checked installation of cathodic protection jumpers between East Monos #112/#113, #113/#114, #114/#115 & #115/#116. All jumpers were properly cadwelded and coated with epoxy resin on exposed ends. Observed contractor placing concrete for stabilization slab between EB/L Sta's 105+20 and 105+80, forms were graded to allow for +4.0" of concrete.

(CONTINUED ON ATTACHED QA SUPPLEMENT SHEET)

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

QAR, Z. Bryant reminded CQC Rep's M. Tassin and J. Justice that they (B&K) must on all I-Wall Monoliths repair and patch all holes larger than 1/2", including areas within the fractured fins. Both CQC Rep's agreed to concur.

**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

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

Noted finishers wearing safety glasses while chipping concrete.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 28 APR 95	SUPERVISOR'S INITIALS 	DATE 5/1/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 109

DATE Tue. - 25 Apr 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

(CONTINUED FOR ORIGINAL QA REPORT)

RESTEEL INSTALLATION: Checked resteel installed for East Monos #117, #119 and #124. Found that subcontractor (Arcadia) has installed top & bottom resteel for East Mono #124, top resteel fro East Mono #119 and bottom resteel for East Mono #117. All re-steel was tied at 100%, and spaced in accordance with approved shop drawings.

STEEL SHEET PILES: Observed subcontractor (GILL) setting and driving 44 pcs of CZ-101 X 24'-9" steel sheetpiles between EB/L Sta's 103+85.00 and 104+64.40. All piles were driven plumb and on good alignment. All piles were driven to a top elev. of +4.75' as required, excpet for the 4 piles at monolith joints which were driven to a top elev. of +4.00'.


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

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

No additional instructions issued this date.

REMARKS:

NONE

  
ZANE D. 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  
 East # 124

LIFT NO. ONE

ELEVATION  
 from 2.00 to 14.40

DATE OF POUR  
 4-25-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	4-25-95	1:55	ZOB	4-25-95	1410
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	4-25	1:55	ZOB	4-25-95	1410
CLEANLINESS	✓	11	11	✓	✓	✓
WATERED	✓	11	11	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	4-25	2:00	ZOB	4-25-95	1410
VERTICAL	✓	11	11	✓	4-25-95	1415
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	4-25	2:05	ZOB	4-25-95	1415
CONDITION	✓	11	11	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JMD	4-25-95	2:05	ZOB	4-25-95	1415		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.84'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JMD	4-25	2:10	ZOB	4-25-95	1420		
G. SAFETY (LIST)	JMD	4-25	2:10	ZOB	4-25-95	1420		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Ladder & Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JMD	4-25	2:15	ZOB	4-25-95	1420		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1420	1 1/2				
Concrete Bucket	1	1.0 C.Y.	"	1 1/2				
Concrete Vibrator	1	18'	"	1 1/2				
J. REMARKS	SLUMP = <del>3.0</del> 4" ; AIR ENTR. = 4.2% ; CONCRETE TEMPS = 78° ; AIR TEMPS = 75° ; 3 Test Cylinders (LA-31) <b>FINAL CLEARANCE</b> CONTRACTOR REPRS: <i>Jerry M. Justice</i> C.O.E. REPRS: <i>James D. Bryant</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.							

FORM CHECK OUT FOR

 STRUCTURES  
 REINFORCED CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave

CONTRACT NO.

Canal, Mirabeau Ave. to Leon C. Simon Blvd.

DACW29-94-C-0079

MONOLITH

LIFT NO.:

ELEVATION

DATE OF POUR

EAST # 121

ONE

from 2.00 to 14.40

4-25-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	4-25-95	11:15	ZJB	4-25-95	11:20
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	4-25	11:15	ZJB	4-25-95	11:20
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	4-25	11:15	ZJB	4-25-95	11:20
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	4-25	11:20	ZJB	4-25-95	11:25
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmD	4-25-95	11:20	ZAB	4-25-95	11:25		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.88'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmD	4-25	11:25	ZAB	4-25-95	11:30		
G. SAFETY (LIST)	JmD	4-25	11:25	ZAB	4-25-95	11:30		
1. Safety Glasses	✓			✓	✓	✓		
2. Rigging Check	✓			✓	✓	✓		
3. Ladder + Scaffold	✓			✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmD	4-25	11:25					
Exp. Material	NONE THIS POUR		"	"				
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1145	2				
Concrete Bucket	1	1.0 cu. y.	1145	2				
Concrete Vibrator	1	18'	1145	2				
J. REMARKS	SLUMP = 4 1/4" ; AIR ENTR. = 4.3% ; CONCRETE TEMPS = 77° ; AIR TEMPS = 73° ; 3 Test Cylinders (LA-31 ) <b>FINAL CLEARANCE</b>							
CONTRACTOR REPRS:	Jerry M. Justice			C.O.E. REPRS:				Zachary Stewart
<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: 04/25/95

REPORT NO.: 146

SKIES: Clear

RAIN: 0 IN. TEMP.: 54 MIN 74 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.0) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked East Monolith #126. Cleaned and oiled Forms and then set Forms at East Monolith #124, and completed forming East Monolith #121. Placed Concrete at East Monoliths #124 and #121 today. Also set one side of the Forms at East Monolith #119. Formed & poured Stabilization Slab on the East Bank from Station 105+80 to Station 105+20, after Bond Cables had been installed at Monolith Joints #116-#115, #115-#114, #114-#113, and #113-#112. Cement Finishers patched and repaired completed Concrete I-Walls. Laborers flagged traffic, wet down curing I-Walls, and helped with Concrete pour and Formwork.

ARCADIA REBAR - Tied Reinforcing Steel for I-Wall at East Monolith #124 (top and bottom Steel), East Monolith #119 (top Steel only) and East Monolith #117 (bottom Steel only). Also pre-tied one Re-Steel mat on the Levee for future placement in the I-Wall stem.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the East Bank from B/L Station 104+64.40 to Station 103+85.00. (44 pieces at 24'9" long each.)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	5	3	No
Komatsu D37P Dozer	-	Yes	2	7	No
Kubota 151 Excavator	-	Yes	1	7	No
Case 580 Backhoe	-	Yes	2	6	No
Koehring 535 Crane	-	Yes	6	2	No
MKT Vibro Hammer	-	Yes	6	2	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	8	2	No
JSW Excavator	-	No	0	8	No
Welding Machine	-	Yes	6	2	No

MATERIALS RECEIVED

Received 36 c.y. of Concrete from LAFARGE CONCRETE COMPANY today (Mix #44) for use in East I-Wall Monoliths #124 and #121. East Monolith #121 was poured at 11:45 AM and #124 was poured at 2:15 PM today.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the I-Wall Concrete Formwork today. The condition of the Forms was generally good, although some minor bondo work was required on damaged spots. This patch-work was done before placing Forms today. Top of the Wall elevation was marked by Carpenters who measured up 10.90' from a control mark on the Sheets below (mark = elevation +3.50). Width of the Forms was checked and had to be adjusted with coil pads at top of Form to 12" wide; the bottom was 1-9" wide.

Length of the Monoliths varied slightly from 28.83' to 28.88' (the fill in or "sandwich" Monoliths being slightly shorter than the "skip" Monoliths.

Also inspected the Bond Cables installed for Cathodic Protection today. (See Page #1 for locations.) Only "ERICO PRODUCTS" were used for cad-welding. Epoxy Caps were placed over all exposed copper wire, extending 2" past the bare wire. Wires were checked after being welded, to be sure of a good connection. Location of Bond Cables was  $\pm$  4" below the bottom of the Stabilization Slab elevation. Bond Cables were cad-welded to CZ-101 Sheet Piling on each side of the Monolith Joints.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING - Performed vibration monitoring and Concrete Tests today. Mix #44 was tested for Slump and Air Content.

SLUMPS were determined to be 4" and 4 1/2"

AIR CONTENTS were 4.2% and 4.3%

Three Cylinders were molded and will be delivered to the Government Lab tomorrow.

Results of the vibration monitoring were supplied to the ORLEANS LEVEE BOARD only. However, the technician stated that no vibrations exceeded the allowable limits today.

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	76	B & K	Wrecking, forming, pouring, finishing & curing I-Wall Concrete; Forming & pouring Stabilization Slab; Installing Bond Cables for Cathodic Protection. (See Page 1 for location.)
8	Skilled	75	"	
1	Supt.	9.5	"	
1	Q.C.Rep.	9.5	"	
2	Skilled	18	GILL'S CRANE	Driving new CZ-101 Sheet Piling. (See Page 1 for location.)
3	Skilled	24	ARCADIA REBAR	Tying Reinforcing Steel for I-Wall. (See Page 1 for location.)

JOB SAFETY

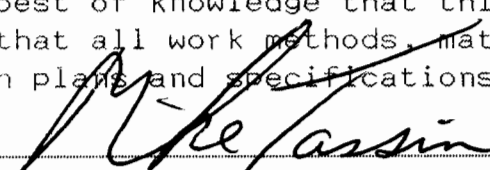
(Note inspection, violations/actions taken)

Checked the scaffolds and ladders on the I-Wall Forms today. Ladders were tied off to the scaffold to prevent movement. Handrails, toeboards, and mid-rails were all in place and in good condition. Walk boards were also secured, and 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.

  
Authorized Q C Representative

04/26/95

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

108

TO Area Engineer,  
CELMN-CD-NO

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

DATE Sat., Sun. & Mon.  
22, 23 & 24 April 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 Partly Cloudy & Cool

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
50 %	50 %	50 %	50 %	50 %

TEMPERATURE

MINIMUM	MAXIMUM
56°	70°

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

24 HOUR PRECIPITATION

INCHES SUN.	ENDING
0.50"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
1-1 hr.			1-7 hrs	2-8 hrs	

Canal RIVER STAGE

FEET	TIME
2.30'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-18½ hrs	13-124 hrs	8-80 hrs	23-222½

NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3			
FROM	TO	FROM	TO	FROM	TO
0730 M	1800 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. 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 & poured East Mono #126; Wrecked forms from East Mono #128; Installed Cathodic Prot. Jumpers for East Monos #116/#117 & #117/#118; Rubbed surfaces of East Mono #128; Poured Stab. Slab. between EB/L Sta's 105+80 & 106+00; Cured East Monos #123, #125, #128 & #130.
- b) Drove 34 pcs of CZ-101 X 24'-9" sheet piles, between EB/L Sta's 104+64.40 & 105+25.75.
- c) Tied top & bottom resteel for E. Monos #121 & #126, and bottom resteel for E. Mono #119.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04,11,12 & 21 Apr 95.  
50% of days lost due to adverse weather/high tides on 05,06,07,10,13,18,20 & 24 Apr 95.

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

Progressive work was performed by B&K, Gill and Arcadia this date. However, work was hampered by wet ground conditions from rainfall on Sun., 23 Apr 95.

PERCENT PROJECT COMPLETE: 17.7%  
PERCENT TIME ELAPSED: 42.1%

DATE SET FOR COMPLETION: 03 APR 96

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases on Mon., 24 Apr 95:

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 on Mon., 24 Apr 95:

**REINFORCED CONCRETE FLOODWALL:** Checked East Mono #128 after forms were removed. Noted no broken fractured fins or honeycombs, only minor air bubbles. Finishers began rubbing surfaces of East Mono #128. Noted that East Monos #123, #125, #128 & #130 were covered with wet burlene throughout the day. Performed Pre-Placement Inspection on East Mono #126 (see attached LMN Form 1246). Witnessed Rep. from Delta Testing performing required concrete test and molding 3 test cylinders (see back of attached LMN Form 1246 for test results). Checked and found that chamfer strips at top of forms for East Mono #126 were set at elev's +14.00' (P/S) and +13.98'. Checked installation of Cathodic Protection Jumpers. Found contractor is using 1/0 insulated copper wire, cadwelded to sheet piles at mono joints approx. 8" below bottom of I-Wall elev. All jumpers were then coated with epoxy resin on exposed ends as required. Checked formed area for stabilization slab between EB/L Sta's 105+70 and 106+00, found tops of forms at elev. +2.00', and inside area graded to allow for +4.0" of concrete.

(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**

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
C. WAGNER	Civ. Engr., GS-11	1 hr. (Mon)	PE
Z. BRYANT	Const. Insp., GS-07	6 hrs. (Mon)	QAR

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

Checked and found anti-two blocking device working properly on the Mantis 3612 Crane on Monday, 24 Apr 95.

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE  LANE D. BRYANT JR.	DATE 27 APR 95	SUPERVISOR'S INITIALS W 	DATE 5/1/95
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QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

Sat., Sun. & Mon.

DATE 22, 23 & 24 Apr 95

QAR# 108

**QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:**

(CONTINUED FOR ATTACHED ORIGINAL QA REPORT)

RESTEEL INSTALLATION: Checked and found that subcontractor (Arcadia) set & tied all required for the bottoms of East Monos #119, #121 & #126, and the tops of East Monos #121 & #126. All resteel was tied at 100% and spaced in accordance with approved shop drawings.

STEEL SHEET PILES: Observed subcontractor (Gill) stabbing and driving 34 pcs. of CZ-101 X 24'-9" sheet piles, between EB/L Sta's 104+64.40 and 105+25.75. All piles were driven to a top elev. of +4.75', except for four piles at monolith joints which were driven to a top elev. of +4.00' as required. All piles were driven plumb by use of a 6' level, and on good alignment.


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

**VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:**

NONE

**REMARKS:**

NONE

  
ZANE D. BRYANT, JR.  
Inspector's Signature



FORM CHECK OUT FOR

STRUCTURES  
 REINFORCED CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, Londo Ave  
 Canal, Mirabeau Ave. to Leop C. Simon Blvd.

CONTRACT NO.  
 DACW29-94-C-0079

MONOLITH  
 EAST # 126

LIFT NO. ONE

ELEVATION  
 from 2.00 to 14.40

DATE OF POUR  
 4-24-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	4-24-95	12:55	ZRB	4-24-95	12:55
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	4-24-95	12:55	ZRB	4-24-95	12:55
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	4-24	12:55	ZRB	4-24-95	13:00
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	4-24	1:00	ZRB	4-24-95	13:00
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	4-24-95	1:00	ZOB	4-24-95	1300		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 29.84'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	4-24	1:05	ZOB	4-24-95	1305		
G. SAFETY (LIST)	JmJ	4-24	1:05	ZOB	4-24-95	1305		
1. Safety Glasses	✓	"	"	✓	✓	✓		
2. Rigging	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	4-24	1:10	ZOB	4-24-95	1305		
Expansion Material				✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1325	1 1/2				
Conc. Bucket	1	1.0 c.y.	"	"				
Conc. Vibrator	1	18'	"	"				
J. REMARKS	SLUMP = 3 3/4" ; AIR ENTR. = 3.9% ; CONCRETE TEMPS = 80° ; AIR TEMPS = 79° ; 3 Test Cylinders (LA-30)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: James D. 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.								

DATE 4-24-95

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:** Observed concrete placement  
operation for monolith that was placed today.  
Tramms being used to control drop of concrete  
so it is less than 5' + observed vibration of  
concrete for consolidation purposes. Observed  
walls were covered with wet burlap blankets  
for curing + finishers are continuing to  
rub walls with sand cement/grout mixture filling  
all holes + voids that have developed. Still  
need to work on area between the fractured fins.  
Subcontractor continuing to drive permanent sheet  
piling. No difficulty observed when driving to final grade

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Chas Wagner Proj Engr  
Name Title

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

DATE: 04/24/95

REPORT NO.: 145

SKIES: Pt. Cloudy - Clear RAIN: 0 IN. TEMP.: 56 MIN 70 MAX

DUST: None LEVEE CONDITION: Damp CANAL GAUGE: (2.3) NOISE: Moderate

WORK PERFORMED/LOCATION

04/22/95 - Saturday - No work performed - too wet.

04/23/95 - Sunday - No work performed - 0.50" Rainfall.

04/24/95 - Monday - Carpenters wrecked I-Wall Forms at East Monolith #128. Cleaned, oiled, and set these Forms at East Monolith #126. Poured Concrete at East Monolith #126 today at 1:15 PM. Set Canal side Form at East Monolith #121. Formed & poured Concrete Stabilization Slab at East B/L Station 106+00 to 105+80. Bond Cables for Cathodic Protection were installed at East Monolith Joint #116-#117 and #117-#118. Cement Finishers patched & rubbed Concrete I-Walls. Laborers covered I-Wall Monoliths that are on cure, and wet them down periodically.

GILL'S CRANE SERVICE - Drove new CZ-101 Steel Sheet Piling on the East Bank from Station 105+25.75 to Station 104+64.40. (34 pieces at 24'9" long each.)

ARCADIA REBAR - Tied Reinforcing Steel for new I-Wall at East Monoliths #126 and #121 (top and bottom). Also set bottom Steel at East Monolith #119, and pre-tied one mat on the Levee to be placed later.



QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	6	4	No
Komatsu D37P Dozer	-	Yes	3	5	No
Kubota 151 Excavator	-	Yes	2	6	No
Case 580 Backhoe	-	Yes	6	2	No
Koehring 535 Crane	-	Yes	4	4	No
MKT Vibro Hammer	-	Yes	6	2	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	8	2	No
JSW Excavator	-	Yes	3	5	No
Welding Machine	-	No	0	8	No

MATERIALS RECEIVED

Received 18 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY and placed this material in I-Wall at East Monolith #126 today. Also received 4.5 c.y. of Mix #44 Concrete from LAFARGE and placed this in Stabilization Slab on the East Bank at † Station 105+80. See "Tests Performed" for material inspections.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Stabilization Slab poured today. Top of Slab was elevation +2.00, width was approximately 5', thickness was 4" to 5". Water was pumped out of the Excavation before Concrete was placed.

Inspected the I-Wall work done also. Top of Wall elevation was 14.40; elevation 3.50 was marked on the Sheet Piling and used to measure up to top grade. (A distance of 10.91' was used by Carpenter Crew on the Canal Side of the Form.) Alignment was set using a 2.5' o/s from C/L mark. Carpenters set bottom of the Wall Forms, then plumbed them up with a 6' Level. After placement of Concrete was substantially complete, a transit was used to align the top of the Form. Form Check List #1246 was completed as required.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING performed vibration monitoring and Concrete tests today.

SLUMP results were 3 3/4"

AIR CONTENT results were 3.9%

Three Test Cylinders were molded and will be delivered to the Government Lab tomorrow.

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	80	B & K	Forming, pouring, wrecking, finishing & curing Concrete I-Wall; Forming & pouring Stabilization Slab; installing Bond Cables for Cathodic Protection. (See Page 1 for locations.)
8	Skilled	82	"	
1	Supt.	10	"	
1	Q.C.Rep.	8.5	"	
2	Skilled	18	GILL'S CRANE	Driving CZ-101 Sheet Piling. (See Page 1.)
3	Skilled	24	ARCADIA REBAR	Tying Reinforcing Steel for new I-Wall. (See Page 1.)

JOB SAFETY

(Note inspection, violations/actions taken)

The weekly Safety Meeting was held today to discuss Safe Rigging and Lifting of Loads with Cranes and Trackhoes. See the attached Minutes. Checked workers for Steel Toed Boots. All personnel checked were wearing proper protection from crushing hazards to the feet.

REMARKS

(Instructions received, miscellaneous remarks)

We are requesting 50% Lost Production today due to wet soil on the Levee. After working the Levee with the Dozer and allowing the sun & wind to dry out the soil, we were able to get Concrete trucks to the work area.

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.



04/25/95

Authorized Q C Representative

Date

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

107

TO Area Engineer,  
CELMN-CD-NO

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

DATE Friday  
21 April 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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
0%	0%	0%	0%	0%

TEMPERATURE

MINIMUM	MAXIMUM
68°	85°

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
1-1 hr.			1-8 hrs	2-9 hrs	

Canal RIVER STAGE

FEET	TIME
2.80'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-9 hrs	8-23 hrs	9-9 hrs	19-41 hrs

NUMBER OF SHIFTS

1  2  3

FROM	TO	FROM	TO	FROM	TO
0700 M	1130 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. \_\_\_\_\_
- 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) Welded #6 rebars to the tops of new sheet piles for cathodic protection on East Monos #118 thru #122; Broke forms loose from East Mono #123; Cleaned-up jobsite.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04, 11, 12 & 21 Apr 95.  
50% of days lost due to adverse weather/high tides on 05,06,07,10,13,18 & 20 Apr 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 very wet ground conditions from previous evenings rainfall. However, Contractor did perform some minor work this date. See attached CQC Report for details.

PERCENT PROJECT COMPLETE: 17.3%  
PERCENT TIME ELAPSED: 41.6%

DATE SET FOR COMPLETION: 03 APR 96

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phase this date:  
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:

REINFORCED CONCRETE FLOODWALL: Observed B&K personnel welding #6' rebars to the tops of the new sheet piles, between EB/L Sta's 106+32 and 107+76, East Monos #118 thru #122. The #6 rebars were welded to the tops of each sheet as required for cathodic protection. Observed carpenters breaking forms loose from East Mono #123, but not totally removed.

ENVIRONMENTAL PROTECTION: Observed laborers cleaning-up jobsite this date, and properly disposing of debris and trash. Silt fence on P/S of east levee between EB/L Sta's 103+00 and 119+05, is in very good shape.

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: No progressive work was performed this date, due to very wet ground conditions from previous evenings rainfall (0.60"). Contractor shut-down at approx. 1130 hrs. this date.

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
Z. BRYANT	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.)**

Noted all personnel wearing hard hats and rubber boots this date.

No safety infractions were noted this date.

Contractor held Weekly Safety Meeting on-site this date. See attached minutes for topics discussed.

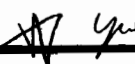
INSPECTOR'S SIGNATURE

  
ZANE D. BRYANT, JR.

DATE

26 APR 95

SUPERVISOR'S INITIALS



DATE

4/28/95



DATE 4-21-95

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:**

No work performed today  
other than general clean-up at job site due  
to previous rain fall. Checked erosion control  
silt fence on east side & found it  
properly secured to prevent runoff.

**Instructions to COC/Remarks:**

None given today.

Chas J. Wagner Proj Engr  
Name Title

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

DATE: 04/21/95

REPORT NO.: 144

SKIES: Cloudy - Rain      RAIN: 0    IN: TEMP: 68    MIN. 85 MAX.

DUST: None      LEVEE CONDITION: Wet      CANAL GAUGE: (2.8) NOISE: Minimal

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Too wet for any Floodwall work, and Canal Water flooded the work area today. Welded #6 Rebar on top of CZ-101 Sheet Piling at East Monoliths #122, #121, #120, #119, & #118 for Cathodic Protection. Laborers cleaned up trash at the work area, and cleaned up mud on the bridge & public access street (Robert E. Lee Blvd.). Carpenters broke Forms open to break the Concrete & Form Liner apart. No other work performed today due to wet soil and high tide.

CONTRACTOR/SUBCONTRACTOR AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
9	Unskilled	9	B & K	Too wet for any production work.
7	Skilled	21	"	Carpenters broke loose Forms to
1	Supt.	4.5	"	prepare for I-Wall Monolith work
1	Q.C. Rep.	4.5	"	for Monday morning.
1	Skilled	2	GILL'S CRANE	Too wet for any production work.



QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	No	0	8	-
Komatsu D37P Dozer	-	Yes	1	7	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	Yes	2	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	-
JSW Excavator	-	No	3	5	-
Welding Machine	-	No	0	8	-

TESTS PERFORMED  
(as required by plans/specifications)

None performed.

MATERIALS RECEIVED

None received.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Checked Robert E. Lee Blvd. for mud. Laborers cleaned up all debris from construction before leaving.

JOB SAFETY  
(Note inspection, violations/actions taken)

Held the weekly Safety Meeting today. The topic discussed was "Gasoline Safety". See the Minutes attached.

REMARKS  
(Instructions received, miscellaneous remarks)

100% Lost Production today due to wet soil.

I certify to the best of my 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.

  
Authorized Q C Representative

04/24/95

Date

B & K CONSTRUCTION  
MINUTES OF SAFETY MEETING

DATE: 04/21/95

TIME: 7:30 AM

PROJECT: DACW29-94-C-0079 LONDON AVENUE OUTFALL CANAL  
LONDON AVENUE FLOODWALL

MEETING CONDUCTED BY: JERRY JUSTICE

PERSONS ATTENDING: SEE ATTACHED

TOPICS DISCUSSED: GASOLINE SAFETY

Today's Safety Meeting was held to discuss the dangers of gasoline, as well as ways to prevent accidents with this fuel. Employees were reminded to check the area where burning or welding operations will be performed, prior to beginning any hot work. All flammable materials must be removed to a distance of 50' from the source of ignition. A fire extinguisher must be on hand & fully charged. Only approved Safety Cans will be used on this job to store gasoline. If a Safety Can is broken or punctured, it must be taken out of service immediately.

Refueling of equipment was then discussed. Employees were all instructed to stop the engine before refueling. A cool-down period of 3 - 5 minutes should be sufficient for exhaust components to cool off enough for safe refueling. NEVER pour gasoline while an engine is running. Always rinse off any spilled fuel with water if necessary, or the engine, when restarted, may ignite the spilled fuel. No smoking, or sparks are allowed near gasoline cans, refueling work, or fuel storage areas.

Many of you know someone who was too careless with gasoline, and wound up scarred for life, or burned to death. This is probably the most dangerous of all the hazardous materials that we use daily. Have respect for gasoline and it's potential dangers. You will be exposed to it for the rest of your life.

COMMENTS:

Be aware of the toxic effects of gasoline as well. The fumes can be deadly, and prolonged exposure to the skin can cause cancer. Protect your eyes from splashback or wind-blown fuel when pouring or pumping gasoline!

  
\_\_\_\_\_  
Q.C. REPRESENTATIVE  
B & K CONSTRUCTION

B & K CONSTRUCTION  
DACW29-94-C-0079  
LONDON AVENUE OUTFALL CANAL

# Safety Meeting

ATTENDEES

4-21-95

Edward Thomas  
Kevin Dufourchard  
Paul  
Brent Hamrick  
Jerry Justice  
Bryan Verdun  
Gregory Jackson  
Gary Leonard  
Steve Howe  
Melvin  
Larry J. Lee  
Willie Dillon  
Craig Hibbard  
Loren  
Robert Brown

Dale J. Ferguson  
Eric Bailey  
Cindy Evans

**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

106

TO Area Engineer,  
CELMN-CD-NO

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

DATE Thursday  
20 April 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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
50%	N/A%	50%	50%	50%

MINIMUM	MAXIMUM
62°	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	ENDING
0.60"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			1-6 hrs	1-6 hrs	

FEET	TIME
2.60'	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	12-87 hrs	10-86 hrs	24-191	0730 M	1700M	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. - 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 & Poured East Mono #123; Installed cathodic protection jumpers at Mono Joints for East Monos 118/119, 119/120, 120/121, & 121/122; Poured stabilization slab between EB/L Sta's 106+00 & 107+45; Rubbed surfaces of East Monos #127 & #130.
- b) Drove 12 pcs of CZ-101 X 24'-9" sheet piles between EB/L Sta's 105+25.75 & 105+47.40.
- c) Tied two (2) sets of wall stem mats on existing levee for future placement.

Days of no work and reasons for same:

- 100% of days lost due to adverse weather/high tides on 04, 11 & 12 Apr 95.
- 50% of days lost due to adverse weather/high tides on 05, 06, 07,10,13,18 & 20 Apr 95.

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

Progressive work was performed this date by B&K, Arcadia and Gill. However, rain showers at approx. 1200 hrs. hampered their operations.

DATE SET FOR COMPLETION: 03 APRIL 96

PERCENT PROJECT COMPLETE: 17.3%

PERCENT TIME ELAPSED: 41.4%

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 Inspection on East Mono #123 (see attached LMN Form 1246). Observed placement & vibration of concrete into forms for East Mono #123. Found that concrete was not being allowed to drop more than 5' as required, concrete was being placed in lifts of less than 18", and concrete is receiving adequate vibrations. Witnessed Delta Testing Rep. performing required concrete test and molding three test cylinders (see attached LMN Form 1246 for test results). Checked installation of four (4) cathodic protection jumpers between monolith joints for East Monos 118/119, 119/120, 120/121, & 121/122. Noted that all jumpers were properly cadwelded and coated with epoxy resin. Observed finishers rubbing surfaces of East Monos #127 & #130. Noted wet burlene blankets were covering East Monos #127, #129, #130, & #132. Checked formed area for stabilization slab between EB/L Sta's 105+90 and 107+45, and found that this area was graded to allow for the required 4" of concrete.

(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 OCR REPORT OR DISAGREEMENTS:**

**NOTE:** Contractor was unable to form & pour an additional I-Wall monolith due to a rain shower at approx. 1200 hrs. this date.

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

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


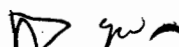
NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
Z. BRYANT	Const. Insp., GS-07	5 hrs.		QAR

**VISITORS:** J. BERRY, NOD  
R. BASURTO, NOD

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

Noted personnel handling sheet piles this date, were wearing safety glasses, gloves, hard hats, and safety boots.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT JR.	DATE 21 Apr 95	SUPERVISOR'S INITIALS 	DATE 4/27/95
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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 East # 123

LIFT NO. ONE

ELEVATION from 2.00 to 14.40

DATE OF POUR 4-20-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	4-20-95	10:05	ZAB	4-20-95	10:15
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	4-20	10:05	ZAB	4-20-95	10:15
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	4-20	10:10	ZAB	4-20-95	10:15
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	4-20	10:10	ZAB	4-20-95	10:20
CONDITION	✓	"	"	✓	✓	✓



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	4-20-95	10:10	ZAB	4-20-95	1020		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75' → 1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	4-20	10:15	ZAB	4-20-95	1020		
G. SAFETY (LIST)	JmJ	4-20	10:15	ZAB	4-20-95	1020		
1. Safety Glasses	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	4-20	10:15					
Expansion Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Trackhoe	1100	3				
Conc. Bucket	1	1.0 c.y.	1100	3				
Conc. Vibrator	1	18"	1100	3				
J. REMARKS	SLUMP = 3 1/2" & 3 3/4" ; AIR ENTR. = 4.9% & 5.2% ; CONCRETE TEMPS = 76° & 76° ; AIR TEMPS = 79° & 78° ; 3 Test Cylinders (LA-29)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry 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 CONSTRUCTIONS JOB NO. 9402

DATE: 04/20/95

REPORT NO.: 143

SKIES: Cloudy

RAIN: 0.60 IN. TEMP.: 62 MIN 86 MAX  
Dry AM

DUST: None

LEVEE CONDITION: Wet PM CANAL GAUGE: (2.6) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Formed and poured Concrete at East Monolith #123. Installed Bond Cables for Cathodic Protection at East Monolith Joints #122-#121, #121-#120, #120-#119, and #119-#118. Formed, graded, and poured Concrete Stabilization Slab on the East Bank from Station 107+45 to Station 106+00. Cement Finishers worked on patching and repairing I-Wall East Monoliths #127 and #130. Laborers pumped Excavation dry, graded soil at Stabilization Slab, helped with Concrete pour, and cleaned mud off of Robert E. Lee Blvd.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the East Bank from Station 105+47.40 to Station 105+25.75. Equipment breakdown delayed progress today, as well as afternoon rain showers.

ARCADIA REBAR - Pre-tied two Reinforcing Steel mats for I-Wall tops on the Levee, to be placed at a later date. Rain showers delayed work after noon today.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	4	4	No
Komatsu D37P Dozer	-	Yes	2	6	No
Kubota 151 Excavator	-	Yes	2	6	No
Case 580 Backhoe	-	Yes	5	3	No
Koehring 535 Crane	-	Yes	4	4	No
MKT Vibro Hammer	-	No	0	8	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	7	2	No
JSW Excavator	-	Yes	3	5	No
Welding Machine	-	No	0	8	No

MATERIALS RECEIVED

Received 18 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY today. Placed this material in East I-Wall Monolith #123. Also received 10 c.y. of Concrete (Mix #44) for use in Stabilization Slab on the East Bank between Station 107+45 and † 106+00.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Stabilization Slab work done today. The Excavation was pumped out, and the water was kept pumped down until after Concrete placement was completed. Thickness of the Slab was 4" to 4 1/2". Top elevation was +2.00, controlled by a Laser Level. Width of the Stabilization Slab was ± 5.0'; 2'-8" from C/L to the Canal Side, and 2'-4" from C/L to the Land Side.

Inspected the Reinforced Concrete Floodwall work done today. The required Form Check List was completed prior to Concrete placement.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING - Performed Concrete testing today as required by the Contract Specifications.

SLUMPS were recorded at 3 1/2" and 3 3/4"

AIR CONTENTS were recorded at 4.9% and 5.2%

Three Cylinders were molded; these will be delivered to the Government Testing Lab tomorrow.

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
9	Unskilled	78	B & K	Forming, pouring, finishing, and curing I-Wall Concrete; Forming & pouring Stabilization Slab; Installing Bond Cables for Cathodic Protection. (See Page 1.)
7	Skilled	62	"	
1	Supt.	9	"	
1	Q.C.Rep.	9	"	
3	Skilled	9	ARCADIA REBAR	Tying Re-Steel for new I-Wall Monoliths. (See Page 1.)
2	Skilled	16	GILL'S CRANE	Driving new CZ-101 Sheet Piling on the East Bank. (See Page 1.)
1	Unskilled	8		

JOB SAFETY

(Note inspection, violations/actions taken)

Checked for Fire Extinguishers on the JSW Excavator and Case 580 Backhoe. Both of these machines had a fully charged 5 lb. ABC Fire Extinguisher on board.

Rigging was inspected on the Concrete Bucket today. No sign of excessive wear or damage was noted.

REMARKS

(Instructions received, miscellaneous remarks)

We are requesting 50% Lost Production for today due to rain shower at 12:00 noon. The second I-Wall Monolith could not be completed or poured this 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 at noted.

  
 \_\_\_\_\_  
 Authorized Q C Representative

04/21/95

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

105

TO Area Engineer,  
CELMN-CD-NO

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

DATE Wednesday  
19 April '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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100%	BORROW EXCAVATION N/A%	EMBANKMENT 100%	CONCRETE 100%	STRUCTURE 100%
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MINIMUM 64°	MAXIMUM 86°
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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 ENDING  
0.00" 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-7 hrs	TOTAL 1-7 hrs	LABOR
-------------	--------	--------	-----------------------	------------------	-------

FEET 2.60'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-19 hrs	SKILLED 10-91 hrs	LABORERS 8-78 hrs	TOTAL 20-188	FROM 0730 M	TO 1700M	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; STRUCTURAL EXCAVATION
- 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 by letter in Table above)

- a) Performed structural excavation between EB/L Sta's 103+15 and 105+30; Wrecked forms from East Mono #130; Set & aligned forms for East Mono #128; Poured concrete for East Monos #125 and #128; Installed cathodic protection jumper at monolith joint 123/122; Rubbed surfaces of East Monos #129, #130 & #132; Cured East Monos #127, #129, #130, #131 & #132 w/ wet burlene.
- b) Set & Tied resteel for East Mono #128 (top & bottom), and #123 (bottom only).

Days of no work and reasons for same:

- 100% of days lost due to adverse weather/high tides on 04, 11 & 12 April 95.
- 50% of days lost due to adverse weather/high tides on 05,06,07,10,13 & 18 April 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 this date. See attached CQC Report for details.

DATE SET FOR COMPLETION: 03 APRIL 96 PERCENT PROJECT COMPLETE: 17.1%  
PERCENT TIME ELAPSED: 41.3%

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.
- 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 Follow-Up QA Inspection were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Checked East Mono #130 after forms were removed. No major surface defects noted. Performed Pre-Placement Inspections on East Monos #125 & #128 (see attached LMN Form 1246's). Observed placement and vibration of concrete into forms for East Monos #125 & #128 this date. Noted concrete was being placed in lifts of less than 18" and concrete was being properly vibrated. Checked installation of one jumper cable for cathodic protection at the monolith joint for monos #122 & #123, found cable properly cadwelded & coated with epoxy resin as required. Witnessed Delta Testing Rep. performing required concrete test & molding 3 test cylinders (see back of attached LMN Form 1246's for results). Noted B&K burned holes in sheet piles approx. 3" above stabilization slab for passage of resteel for East Monos #122, #126 & #128. Observed finishers rubbing surfaces of East Monos #129, #130 & #132. Noted East Monos #127, #129, #130 & #132 were covered with wet burlene for curing as required.

(CONTINUED ON ATTACHED 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:**

NOTE: Contractor still encountering large amounts of broken concrete debris within the structural excavations.

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


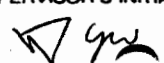
**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

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

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

Noted all personnel working with concrete to be wearing hard hats, rubber gloves and safety glasses.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 21 APR 95	SUPERVISOR'S INITIALS 	DATE 4/26/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 105

DATE: Wed. - 19 Apr 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

(CONTINUED FROM ORIGINAL QA REPORT)

STRUCTURAL EXCAVATION: Observed B&K using 1-JSW backhoe to perform structural excavation for new I-Wall between approx. EB/L Sta's 103+15 and 105+30. Fill was excavated to a depth of approx. elev. +3.65'+/- as required, and approx. 6' wide. All excavated material was placed on the F/S of the excavation at adjacent location. Noted contractor is still encountering large amounts of broken concrete debris within his structural excavations.

RESTEEL INSTALLATION: Observed rod-busters setting and tying resteel for the bottom and wall stem sections of East Mono #128, and the bottom resteel only for East Mono #123. All resteel was tied at 100% and set 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





IRM CHECK OUT FOR

STRUCTURES

REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO.

DACW29-94-C-0079

MONOLITH East # 125

LIFT NO. ONE

ELEVATION from 2.00 to 14.40

DATE OF POUR 4-19-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	4-19-95	11:25	ZOB	4-19-95	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	JmJ	4-19	11:25	ZOB	4-19-95	11:30
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	4-19	11:25	ZOB	4-19-95	11:30
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	4-19	11:30	ZOB	4-19-95	11:35
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	4-19-95	11:30	ZJB	4-19-95	1135		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.88'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	4-19	11:35	ZJB	4-19-95	1135		
G. SAFETY (LIST)	Jmj	4-19	11:35	ZJB	4-19-95	1135		
1. Safety Glasses	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	4-19	11:35	ZJB	✓	✓		
Expansion Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Trackhoe	11:40					
Concrete Bucket	1	12cy.	11:40					
Concrete Vibrator	1	18'	11:40					
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.7% ; CONCRETE TEMPS = 86° AIR TEMPS = 84° ; 3 Test Cylinders (LA-28) <b>FINAL CLEARANCE</b>							
CONTRACTOR REPRS:	Jerry M. Just			C.O.E. REPRS: Janet. Durant				
<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  
 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  
 EAST # 128

LIFT NO.:  
 ONE

ELEVATION  
 from 2.00 to 14.40

DATE OF POUR  
 04-19-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	4-19-95	9:15	ZAB	4-19-95	0930
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	4-19	9:15	ZAB	4-19-95	0930
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	4-19	9:15	ZAB	4-19-95	0930
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	4-19	9:20	ZAB	4-19-95	0935
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	4-19-95	9:20	ZJB	4-19-95	0935		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.85'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.06'	✓	"	"	✓	✓	✓		
HEIGHT 12.40	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	4-19	9:25	ZJB	4-19-95	0940		
G. SAFETY (LIST)	Jmj	4-19	9:25	ZJB	4-19-95	0940		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	4-19	9:25	ZJB	4-19-95	0940		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Trackhoe	1340	2				
Conc. Bucket	1	1.0 c.y.	1340	2				
Conc. Vibrator	1	18'	1340	2				
J. REMARKS	SLUMP = 5 1/2" ; AIR ENTR. = 4.2% ; CONCRETE TEMPS = 87° ; AIR TEMPS = 84° ; 3 Test Cylinders (LA-28)							
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 CONSTRUCTIONS JOB NO. 9402

DATE: 04/19/95

REPORT NO.: 142

SKIES: Pt. Cloudy

RAIN: 0

IN. TEMP.: 64 MIN 86 MAX

DUST: Minimal LEVEE CONDITION: Damp CANAL GAUGE: (2.6) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked Forms at East Monolith #130. Cleaned, oiled, and set these Forms again at East Monolith #128. Poured Concrete at East Monoliths #128 and #125 today. Installed one Bond Cable at East Monolith Joint #123-#122. Set one side of the I-Wall Form at East Monolith #123. Repaired damaged part of the Land Side I-Wall Form (bent during movement to East Monolith #123). Performed Structural Excavation on the East Bank from Station 105+30 to Station 103+15. Burned holes in CZ-101 Sheets for #5 Rebar verticals at East Monoliths #122, #128, and #126. Cement Finishers patched & rubbed Concrete I-Wall at East Monoliths #129, #130, and #132. Laborers covered East I-Wall Monolith #130 with Burlene, and wet down all curing Walls throughout the day. Also flagged traffic for Concrete trucks and cleaned any dirt or debris off of the roadway at Robert at Robert E. Lee Blvd.

ARCADIA REBAR - Tied Reinforcing Steel for new I-Wall on the East Bank at Monolith #128 (bottom and top), and at Monolith #123 (top Steel only). Also pre-tied 2 more Wall Steel mats on the Levee for future placement

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	4	4	No
Komatsu D37P Dozer	-	Yes	2	6	No
Kubota 151 Excavator	-	No	0	8	No
Case 580 Backhoe	-	Yes	3	5	No
Koehring 535 Crane	-	No	0	8	No
MKT Vibro Hammer	-	No	0	8	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	6	3	No
JSW Excavator	-	No	4	4	No
Welding Machine	-	No	0	8	No

MATERIALS RECEIVED

Received 36 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY today. Placed this material in new I-Wall at East Monoliths #128 and #125.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Bond Cable Cad-welded to CZ-101 Sheet Piling at East Monolith Joint #123-#122 today. The surfaces of the Sheet Piling were cleaned & dried before attempting to attach the Jumper Cable to them. Location of the Bond Cable attachment was 4" to 5" below the bottom of the Stabilization Slab. Bond Cables were checked to make sure they were securely attached to Steel Sheet Piling. Epoxy Caps were then placed over the bare portions of the wire.

Inspected the Reinforced Concrete Floodwall work done today. I-Wall Forms were cleaned & oiled prior to being set up for the Concrete pours. Alignment of Forms was controlled using 2.5' o/s from C/L marks on the Stabilization Slab. The top of the Forms were aligned using a surveyors transit immediately after placement of Concrete was completed. Elevation was controlled by using a mark on the new Sheet Piling at elevation +3.50. Forms were set so that the bottom of the haunch was 2.0' above this control mark. The Carpenters then measured up 10.90' to the top of the Wall, and set Chamfer Strips at this height on the Canal Side. The Land Side Chamfer Strip was set 1/4" above the Canal Side grade.

LMN Form #1246 was completed prior to Concrete placement, as usual.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING - Performed Concrete Tests today on Mix #44 delivered by LAFARGE CONCRETE COMPANY.

SLUMPS were found to be 4" and 5 1/2"

AIR CONTENTS were found to be 5.7% and 4.2%

Three Test Cylinders were molded (as always) and will be delivered to the Government Lab tomorrow or Friday.



CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	78	B & K	Wrecking, cleaning, oiling, and setting I-Wall Forms; Placing, finishing, & curing I-Wall Concrete; Structural Excavation for I-Wall; Installing Bond Cables for Cathodic Protection. (See Page 1.)
7	Skilled	67	"	
1	Supt.	9.5	"	
1	Q.C.Rep.	9.5	"	
3	Skilled	24	ARCADIA REBAR	Tying Reinforcing Steel for new I-Wall. (See Page 1.)

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the Mantis Crane's motion alarm and fire extinguisher. The alarm was working properly and was clearly audible whenever the machine traveled backwards or forward. A 5 lb. ABC Extinguisher was mounted in the cab of this machine. Lifting Cables were inspected on the same machine - no wear or defects were observed. The anti-two block device was also found to be working properly on the Mantis Crane.

REMARKS

(Instructions received, miscellaneous remarks)

DELTA TESTING collected a Soil Sample from the existing Levee material on the East Bank at Station 106+50 on Monday (04/17/95). This was done at the request of Chris Wagner, and a Compaction Curve will be determined by DELTA TESTING on this sample. The results will then be averaged together with results from the samples taken on 03/24/95, to give us the values to use for Structural Backfill and Embankment Density Tests. (per Chris Wagner)

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

04/20/95

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  
 104

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

DATE Tuesday  
 18 April 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 50 %	BORROW EXCAVATION N/A %	EMBANKMENT 50 %	CONCRETE 50 %	STRUCTURE 50 %
-------------------------------	----------------------------	--------------------	------------------	-------------------

TEMPERATURE	
MINIMUM 64°	MAXIMUM 84°

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

24 HOUR PRECIPITATION	
INCHES 0.35"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY 1-1 hr.	OFFICE	LAYOUT	INSPECTION 1-6 hrs	TOTAL 2-7 hrs	LABOR
------------------------	--------	--------	-----------------------	------------------	-------

Canal RIVER STAGE	
FEET 2.10'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-18 hrs	SKILLED 12-100 hrs	LABORERS 10-88 hrs	TOTAL 24-206	FROM 0730 M	TO 1700 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. 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 East Monos #127 & #132; Set forms for East Monos #125 & #130; Pou concrete for East Mono #130; Rubbed surfaces of East Monos #127 & #129; Cured East Monos #127, #129 & #132 with wet burlene.
- b) Drove 57 pcs of CZ-101 X 24'-9" piles between EB/L Sta's 105+47.4 and 106+50.2.
- c) Set & tied bottom resteel for Monos #125 & #123 and top resteel for Monos #125 & #130.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04, 11 & 12 April 95.  
 50% of days lost due to adverse weather/high tides on 05,06,07,10,13 & 18 April 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. However, B&K had to stop placing concrete at 1300 hrs. due to a heavy rain shower. See attached CQC Report for details.

PERCENT PROJECT COMPLETE: 16.9%  
 PERCENT TIME ELAPSED: 41.1%

DATE SET FOR COMPLETION: 03 APRIL 96

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 QCC ACTIVITIES**

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

**REINFORCED CONCRETE FLOODWALL:** Observed B&K removing forms from East Monos #127 & #132 this date. Noted no major defects in surfaces of these Monos. Observed B&K setting and aligning forms for East Monos #125 & #130. Performed Pre-Placement Inspection on East Mono #130 (see attached LMN Form 1246). Witnessed placement and vibration of concrete into forms for East Mono #130. Concrete is being placed in lifts of less than 18", with a drop of less than 5', and is being properly vibrated. Witnessed Rep. from Delta Testing performing required concrete test and molding 3 test cylinders (see back of attached LMN Form 1246 for test results) Noted B&K cutting 2" holes in bottom of sheet piles for passing resteel through for East Monos #123 & #124. Observed finishers rubbing surfaces and patching tie-rod holes in East Monos #127 & #129. Finishers patching all holes 1/2" and larger. B&K continued curing East Monos #127, #129, #131 & #132 with wet burlene.

**RESTEEL INSTALLATION:** Observed Arcadia setting & tying bottom resteel for East Monos #123 & #125, and top resteel for East Monos #125 & #130. All resteel tied at 100% and in accordance with approved shop drawings.

(CONTINUED ON ATTACHED 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:**

**NOTE:** Contractor was scheduled to pour East Mono #125 this date. However, due to a heavy rainfall at approx. 1300 hrs. was unable to place concrete for this monolith.

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
Z. BRYANT	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.)**

Noted all personnel on site wearing hard hats and safety boots.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

*Zane D. Bryant, Jr.*  
ZANE D. BRYANT, JR.

DATE

20 APR 95

SUPERVISOR'S INITIALS

*W. J. [Signature]*

DATE

4/25/95

QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 104

DATE: Tue. - 18 Apr 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

(CONTINUED FROM ORIGINAL QA REPORT)

STEEL SHEET PILES: Observed Gill setting and driving 57 pcs of CZ-101 X 24'-9" steel sheet piles, between EB/L Sta's 105+47.40 and 106+50.20. All piles were driven plumb, on good alignment, and to a top elev. of 4.75', except for 4 piles at monolith joints which were driven to a top elev. of +4.00' as required.

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


ENVIRONMENTAL PROTECTION: Checked all equipment for signs of hydraulic leaks. No leaks were noted this date.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE

  
ZANE D. 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  
 East # 130

LIFT NO.:  
 ONE

ELEVATION  
 from 2.00 to 14.40

DATE OF POUR  
 4-18-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	4-18-95	11:20	ZAB	4-18-95	1045
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	4-18	11:20	ZAB	4-18-95	1045
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	4-18	11:20	ZAB	4-18-95	1045
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	4-18	11:25	ZAB	4-18-95	1050
CONDITION	✓	"	"	✓	✓	✓

ITEM	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	4-18	11:25	ZAB	4-18-95	1050
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.84'	✓	"	"	✓	✓	✓
WIDTH 1.75' to 1.00'	✓	"	"	✓	✓	✓
HEIGHT 12.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmj	4-18	11:25	ZAB	4-18-95	1055
G. SAFETY (LIST)	Jmj	4-18	11:30	ZAB	4-18-95	1055
1. Safety Glasses	✓	"	"	✓	✓	✓
2. Rigging Check	✓	"	"	✓	✓	✓
3. Scaffold + Ladder	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	4-18-95	11:30	ZAB	4-18-95	1055
Expansion Material	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Trackhoe	11:35	1/2				
Concrete Bucket	1	1.0 c.y.	11:35	1/2				
Concrete Vibrator	1	18'	11:35	1/2				

J. REMARKS SLUMP = 3 1/4" ; AIR ENTR. = 5.5% ; CONCRETE TEMPS = 86°  
 AIR TEMPS = 85° ; 3 Test Cylinders (LA-27)

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 APPROVIN 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.

DATE: 4-18-95

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:**

Observed contractor personnel setting wall forms for concrete placement later in day. Also checked sheet piling operations being performed by subcontractor. Some initial resistance observed but sheets were driven to grade with no difficulty. I-beam template used for alignment & level was used to check plumbness. Both were within allowable tolerances. Finishers continuing to rub walls patching larger holes of 1/2" or greater. Smaller holes still need to be repaired including those between the structural fins.

**Instructions to COC/Remarks:**

None Today.

Chunf Wagner  
Name

Proj Engr  
Title



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

DATE: 04/18/95

REPORT NO.: 141

SKIES: Cloudy - Rain

RAIN: 0.35 IN: TEMP: 64 MIN. 84 MAX.

Dry AM

DUST: Minimal LEVEE CONDITION: Wet PM CANAL GAUGE:(2.1) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked Forms at East Monolith #132 and #127. Cleaned, oiled, and set these Forms at East Monoliths #125 and #130. Poured Concrete at East Monolith #130 today at 11:30 AM. Rain shower at 1:00 PM stopped us from pouring the second I-Wall Monolith (roadway was too slick). Poured 6 c.y. of Concrete in a Slab at the Staging Area at Pratt Dr. and Robert E. Lee Blvd. (for assembly of I-Wall Forms). Burned holes in new CZ-101 Sheet Piling for Rebar to pass through at East Monoliths #123, and #124. Cement Finisher patched & rubbed East Monoliths #127 and #129. Laborers pumped water, wet down the curing I-Walls, and covered I-Walls wrecked today.

ARCADIA REBAR - Tied Reinforcing Steel at East Monoliths #125 (top & bottom) and at East Monolith #123 (bottom steel only). Also tied top Steel in place at East Monolith #130, and pre-tied one Wall Steel Mat on the Levee.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the East Bank from Station 106+50.20 to Station 105+47.40 (57 pieces at 24'9" long each piece.)

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
9	Unskilled	80	B & K	Wrecking, forming, pouring, finishing and curing I-Wall Monoliths;
7	Skilled	63	"	
1	Supt.	9	"	Burning holes for #5 Rebar in
1	Q.C. Rep.	9	"	Sheet Piling.
2	Skilled	16	GILL'S CRANE	Driving new CZ-101 Sheet Piling on
1	Unskilled	8		the East Bank ("Work Performed.")
3	Skilled	21	ARCADIA REBR	Tying Reinforcing Steel for I-Wall
				on the East Bank (See "Work Performed.")

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	6	2	-
Komatsu D37P Dozer	-	Yes	2	6	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	No	8	0	-
MKT Vibro Hammer	-	No	6	2	-
Fiat-Allis MotorGrader	-	No	0	8	-
Mantis 3612 Crane	-	Yes	8	0	-
JSW Excavator	-	Yes	3	5	-
Welding Machine	-	No	0	8	-

TESTS PERFORMED  
(as required by plans/specifications)

DELTA TESTING - Performed Concrete Tests as required by the Contract Specifications on material delivered by LAFARGE CONTRACT COMPANY today.

SLUMPS = 3 1/4"                      AIR CONTENTS = 5.5%

DELTA TESTING also performed Vibration Monitoring on the East Bank adjacent to Sheet Pile work. Results were furnished to the ORLEANS LEVEE BOARD.

MATERIALS RECEIVED

Received 18 c.y. of Concrete Mix #44 from LAFARGE today. This material was placed in the I-Wall at East Monolith #130. Also received 6 c.y. of Mix #44 from LAFARGE, and placed this in a Slab at the Pratt Drive Staging Area for a work platform.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the CZ-101 Sheet Piling work done today on the East Bank. Cut off elevation was controlled at +4.75. Alignment was controlled at C/L of new I-Wall, using offset stakes and a 40' driving template. Plumbness was checked with a 6' level and found to be no more than 1/8" per foot out of plumb both ways.

Also inspected the I-Wall work performed (See LMN Form #1246 for results of this inspection).

JOB SAFETY  
(Note inspection, violations/actions taken)

Checked rigging used to lift Concrete bucket with the Komatsu 200 Excavator. Only minimal wear was observed on the wire-rope sling being used. This wear is normal, and will be monitored to determine when replacement is needed.

REMARKS  
(Instructions received, miscellaneous remarks)

We are requesting 50% Lost Production for today due to the rain shower at 1:00 PM. The second I-Wall Monolith could not be poured today due to wet soil on the Levee (Concrete trucks could not make it down to the work area).

I certify to the best of my 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.

  
Authorized Q C Representative

04/19/95

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

103

TO Area Engineer,  
CELMN-CD-NO

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

DATE Sat., Sun. & Mon.  
15, 16 & 17 April 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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION N/A %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 62°	MAXIMUM 84°
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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 1-8 hrs	TOTAL 1-8 hrs	LABOR
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FEET 1.90'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1  2  3

SUPERVISORY 1-10 hrs	SKILLED 11-90 hrs	LABORERS 8-78 hrs	TOTAL 20-178	FROM 0730 M	TO 1800 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. - 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 and poured East Mono #127; Poured stabilization slab between EB/L Sta's 107+45 & 108+05; Installed cathodic protection jumpers between East Monos #123 and #128.
- b) Drove 55 pcs of CZ-101 X 24'-9" sheet piles between EB/L Sta's 106+50.2 and 107+49.49
- c) Set & tied bottom resteel only for East Mono #130.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04, 11 & 12 April 95.  
50% of days lost due to adverse weather/high tides on 05,06,07,10 & 13 April 95.

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

No progressive work scheduled for 15 & 16 April 95. Progressive work was scheduled and performed by B&K, Gill, and Arcadia on Mon., 17 April 95. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APRIL 96

PERCENT PROJECT COMPLETE: 16.4%

PERCENT TIME ELAPSED: 40.9%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases on Mon., 17 April 95:

REINFORCED CONCRETE FLOODWALL: See "Verbal Instructions" on back of this report.

STEEL SHEET PILES: 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 Follow-Up QA Inspections were performed on Mon., 17 Apr 95:

**REINFORCED CONCRETE FLOODWALL:** Performed Pre-Placement Inspection on East Mono #127 prior to placement of concrete (see attached LMN Form 1246). Found all items (ie; waterstops, chamfer strips, alignment, resteel) to be properly installed. Observed placement and vibration of concrete this date, concrete is receiving adequate vibrations, and concrete is being placed in lifts of less than 18", and at no time is concrete allowed to drop more than 5'. Witnessed Rep. from Delta Testing performing required concrete test and molding 3 test cylinders (see back of attached LMN Form 1246 for test results). Checked installation of 5 cathodic protection jumpers between East Monos #123 and #128, all were properly cadwelded and epoxy coated approx. 8" below bottom of proposed I-Wall.

**STEEL SHEET PILES:** Observed subcontr. driving approx. 55 pcs of CZ-101 X 24'-9" steel sheet piles this date, to a top elev. of +4.75, except for four (4) piles at I-Wall joints, which were driven to a top elev. of +4.00'. All piles were driven plumb and on good alignment.

**RESTEEL INSTALLATION:** Checked and found that subcontr. had properly installed all required resteel for the bottom section of East Mono #130 in accordance with approved shop drawings.

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

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

QAR, Z. Bryant instructed CQC Rep's M. Tassin and J. Justice that prior to placing concrete for the stabilization slabs, the earth surface upon which concrete is to be placed shall be clean, damp, and free of standing or running water, and compacted in accordance with Section C2C of the Contract Specifications. Messrs. Tassin and Justice both agreed to concur with these instructions.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

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

**NOTE:** Witnessed a Rep. from Delta Testing taking 2 soil samples from the existing levee, one at approx. East B/L Sta. 105+50 and one at approx. East B/L Sta. 106+50. Contractor stated that they will run the required compaction curves and the atterberg limits.

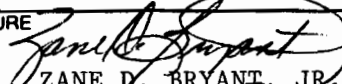
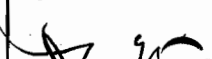
Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/period).

**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

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

Checked and found the back-up alarm working properly on the Case 580 loader/backhoe this date. No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 19 April 95	SUPERVISOR'S INITIALS 	DATE 4/25/95
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FORM CHECK OUT FOR

STRUCTURES  
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO.  
 DACW29-94-C-0079

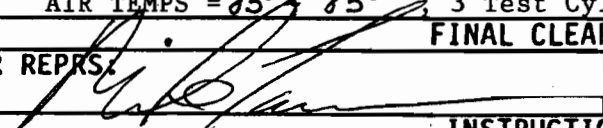
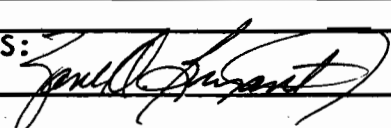
MONOLITH  
 EAST # 127

LIFT NO.:  
 ONE

ELEVATION  
 from 2.00' to 14.40'

DATE OF POUR  
 04-17-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	MAT	4-17-95	12:45	ZAB	4-17-95	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	MAT	4-17-95	12:45	ZAB	4-17-95	1300
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	MAT	4-17-95	12:45	ZAB	4-17-95	1305
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	MAT	4-17-95	12:50	ZAB	4-17-95	1310
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	MAT	4-17-95	12:50	ZOB	4-17-95	13:10		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75' to 1.00'	✓	"	"	✓	✓	✓		
HEIGHT 12.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	MAT	4-17-95	12:50	ZOB	4-17-95	13:15		
G. SAFETY (LIST)		4-17-95	12:50	ZOB	4-17-95	13:15		
1. Scaffolding & Ladders	✓			✓	✓	✓		
2. Eye Protection	✓			✓	✓	✓		
3. Rubber Gloves	✓			✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	MAT	4-17-95	12:55					
Expansion Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
KAMATSU 200	1	Trackhoe	1410 hrs.	1.5				
CONCRETE BUCKET	1	1 C.Y.	1410 hrs.	1.5				
CONCRETE VIBRATORS	2	12' & 18'	1410 hrs.	1.5				
J. REMARKS	SLUMP = 3" & 4" ; AIR ENTR. = 4.7% & 7.0% ; CONCRETE TEMPS = 83° & 88° ; AIR TEMPS = 85° & 85° ; 3 Test Cylinders (LA-26 ) <b>FINAL CLEARANCE</b> CONTRACTOR REPRS:  C.O.E. REPRS: 							
<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: 04/17/95

REPORT NO.: 140

SKIES: Clear

RAIN: 0

IN: TEMP: 62 MIN. 84 MAX.

DUST: Minimal LEVEE CONDITION: Dry

CANAL GAUGE:(1.9)NOISE: Moderate

WORK PERFORMED/LOCATION

04/15/95 Saturday - One man wet down curing I-Wall Monoliths.

04/16/95 Sunday - No work performed.

04/17/95 Monday - ARCADIA REBAR - Tied Reinforcing Steel at East Monoliths #127, and #130 (bottoms only). Tied Re-Steel mat in place at East Monolith #127 (top only).

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the East Bank from Station 107+49.45 to Station 106+50.20. (55 pieces of CZ-101 at 24'9" long each.)

B & K CONSTRUCTION - Set Forms and poured I-Wall Monolith #127. Poured approximately 60' of Stabilization Slab stopping at 107+45. Wrecked Forms from Monolith #129. Installed Bond Cables for Cathodic Protection at East Monolith Joints #128-#127, #127-#126, #126-#125, #125-#124, and #124-#123.

ARCADIA REBAR - Tying Re-Steel for I-Wall Monolith #130 (bottom only).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	70	B & K	Forming,pouring, finishing Concrete I-Wall. Burning holes for Rebar. Curing I-Wall Concrete. (See above.)
7	Skilled	70	"	
1	Supt.	10	"	
2	Skilled	16	GILL'S CRANE	Driving new CZ-101 Sheet Piling. (See above.)
1	Unskilled	8		
2	Skilled	7	ARCADIA REBR	Tying Reinforcing Steel for I-Wall Monolith #130. (See above.) Performed."

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	10	0	-
Komatsu D37P Dozer	-	Yes	2	0	-
Kubota 151 Excavator	-	No	0	10	-
Case 580 Backhoe	-	Yes	4	6	-
Koehring 535 Crane	-	No	8	0	-
MKT Vibro Hammer	-	No	8	0	-
Fiat-Allis MotorGrader	-	No	0	10	-
Mantis 3612 Crane	-	Yes	10	0	-
JSW Excavator	-	No	0	10	-
Welding Machine	-	No	0	10	-

TESTS PERFORMED  
(as required by plans/specifications)

DELTA TESTING - Performed Concrete Tests on Mix #44 received from LAFARGE CONCRETE COMPANY today.  
SLUMPS were recorded at 3" and 4".  
AIR CONTENTS were recorded at 4.7% and 7.0%.

MATERIALS RECEIVED

Received 24 c.y. of Concrete Mix #44 from LAFARGE CONCRETE today.  
Placed this material in I-Wall Form at East Monolith #127.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Reinforced Concrete Floodwall work done today. LMN Form #1246 was completed prior to Concrete placement. Formwork and Re-Steel was found to be acceptable. Poured approximately 60' of Stabilization Slab, but ground conditions were not dry enough to continue this work. (See "Remarks")

JOB SAFETY  
(Note inspection, violations/actions taken)

Repaired toeboards that had fallen off of one of the Forms. Checked remaining scaffolds and ladders and found them to be in good condition.

REMARKS  
(Instructions received, miscellaneous remarks)

BAYOU TREE SERVICE will come in on 04/21/95 to remove the branches and limbs on the West Bank behind the Mintz's estate.

Received verbal instructions from COE Inspector Zane Bryant about soil conditions that need to be corrected before we pour any more Stabilization Slab. Contract Specifications state that earth surfaces upon which Concrete is to be placed shall be clean, damp, and free of standing or running water, and compacted in accordance with Section C2C (See paragraph C3D-10.2). Superintendent Mike Tassin stated that he would correct this problem prior to placing any more Stabilization Slab Concrete.

I certify to the best of my 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.

  
Authorized Q C Representative

04/18/95

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

102

TO Area Engineer,  
CELMN-CD-NO

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

DATE Friday  
14 April 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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100%	BORROW EXCAVATION N/A %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 56°	MAXIMUM 83°
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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 1-1 hr.	OFFICE	LAYOUT	INSPECTION 1-9 hrs	TOTAL 2-10 hrs	LABOR
------------------------	--------	--------	-----------------------	-------------------	-------

FEET 1.90'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-16½ hrs	SKILLED 15-100 hrs	LABORERS 7-60 hrs	TOTAL 24-176½	FROM 0730 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. - 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 by letter in Table above)

a) Set forms for East Monos #129 and #132; Poured East Monos #129 and #132; Cut holes in sheet piles for resteel installation in bottoms of East Monos #125, #127 & #130; Set F/S form for East Mono #127.

b) Set and tied bottom resteel for East Mono #127; Set and tied wall stem resteel for East Monos #129 and #132.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04, 11 & 12 Apr 95.

50% of days lost due to adverse weather/high tides on 05,06,07,10, and 13 Apr 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 this date. See attached CQC Report for details.

DATE SET FOR COMPLETION: 03 APRIL 96

PERCENT PROJECT COMPLETE: 15.8%

PERCENT TIME ELAPSED: 40.4%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspeiciton Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued this date.

RESTEEL INSTALLATION: No instructions issued this date.

**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 Inspection on East Monos #129 & #132 prior to placing concrete (see attached LMN Form 1246's). Observed placement & vibration of concrete into forms for East Monos #129 & #132 this date. Concrete being placed in lifts of less than 18" and well vibrated. Witnessed Delta Testing Rep. performing required concrete test and molding 3 test cylinders (see back of LMN Form 1246 for test results). Noted that East Monos #131, #133 & #134 were being cured with wet burlene blankets as required. Noted B&K set F/S form for East Mono #127 this date. Witnessed CQC Rep. checking form alignment & plumbness for East Monos #129 & #132, and found them to be plumb and on proper alignment. Observed B&K cutting 2" holes in sheet piles for East Monos #125, #127 & #130 this date, for the passing of resteel through sheet piles.

**RESTEEL INSTALLATION:** Observed Arcadia personnel setting and tying bottom resteel only for East Mono #127, and wall stem resteel mats for East Monos #129 & #132 this date. All steel was set in accordance with approved shop drawings and tied at 100%.

**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

Received Contractor's QC Report for Thu., 13 Apr 95. It is attached to this Report.

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
Z. BRYANT	Const. Insp., GS-07	8 hrs.	QAR

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

Checked all slings and shackles being used this date, to handle I-Wall forms. Found all to be in very good shape.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE <i>Zane D. Bryant Jr.</i> ZANE D. BRYANT JR.	DATE 17 Apr 95	SUPERVISOR'S INITIALS <i>TD</i>	DATE 4/18/95
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DATE 4-14-95

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:**

Observed carpenters setting + aligning forms + surveyor checking final alignment prior to concrete placement. No concrete placed while I was on-site. Pumps being used to pump out excessive water. Observed rusted personnel tying rebar for next monolith + concrete walls continuing to be cured by use of wet burlap blankets.

**Instructions to COC/Remarks:**

None given. However erosion control fence + sheet piling that needed to be restacked were corrected as previously instructed.

Chunf Wagner Proj Engr  
Name Title

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 East # 129

LIFT NO. ONE

ELEVATION from 2.00 to 14.40

DATE OF POUR 4-14-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	4-14-95	1:00	ZAB	4-14-95	12:15
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	4-14	1:00	ZAB	4-14-95	12:15
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	4-14	1:05	ZAB	4-14-95	12:15
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	4-14	1:05	ZAB	4-14-95	12:20
CONDITION	✓	"	"	✓	✓	✓



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	4-14-95	1:10	ZAB	4-14-95	1220
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.87'	✓	"	"	✓	✓	✓
WIDTH 1.75' → 1.00'	✓	"	"	✓	✓	✓
HEIGHT 12.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmj	4-14	1:10	ZAB	4-14-95	1225
G. SAFETY (LIST)	Jmj	4-14	1:10	ZAB	4-14-95	1225
1. Scaffold + Ladder	✓	"	"	✓	✓	✓
2. Rigging Check	✓	"	"	✓	✓	✓
3. Eye Protection	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	4-14	1:10	ZAB	4-14-95	1225
Expansion - Material	NONE THIS POUR	"	"			

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200 EXC.	1	Trackhoe	1315	2 hrs.				
Conc. Bucket	1	1 c.y.	1315	2 hrs.				
Conc. Vibrator	1	18'	1315	2 hrs.				

J. REMARKS SLUMP = 3 1/2" 4" ; AIR ENTR. = 4.6% + 4.4% ; CONCRETE TEMPS = 77° + 80° ;  
 AIR TEMPS = 73° + 76° ; 3 Test Cylinders (LA-25)

FINAL CLEARANCE

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

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 East # 132 LIFT NO. ONE ELEVATION from 2.00 to 14.40 DATE OF POUR 4-14-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	4-14-95	10:45	ZAB	4-14-95	1045
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	4-14	10:45	ZAB	4-14-95	1045
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	4-14	10:45	ZAB	4-14-95	1045
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	4-14	11:00	ZAB	4-14-95	1050
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	4-14-95	11:00	ZJB	4-14-95	1050
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.84'	✓	"	"	✓	✓	✓
WIDTH 1.75' → 1.00'	✓	"	"	✓	✓	✓
HEIGHT 12.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	4-14	11:05	ZJB	4-14-95	1055
G. SAFETY (LIST)	JmJ	4-14	11:05	ZJB	4-14-95	1055
1. Safety Glasses	✓	"	"	✓	✓	✓
2. Rigging Check	✓	"	"	✓	✓	✓
3. Ladder + Scaffold	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	4-14	11:05	ZJB	4-14-95	1055
Expansion Material	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200 Exc.	1	Trackhoe	1115	1 1/4				
Concrete Vibrator	1	18'	1115	1 1/4				
Concrete Bucket	1	1 c.y.	1115	1 1/4				

J. REMARKS  
 SLUMP = 3 1/2" & 4" ; AIR ENTR. = 4.6% & 4.4% ; CONCRETE TEMPS = 77° & 80° ;  
 AIR TEMPS = 73° & 76° ; 3 Test Cylinders (LA-25)

FINAL CLEARANCE  
 CONTRACTOR REPRS: *Jerry Justice* C.O.E. REPRS: *Zachary 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: 04/14/95

REPORT NO.: 139

SKIES: Clear

RAIN: 0

IN: TEMP: 56 MIN. 83 MAX.

DUST: Minimal LEVEE CONDITION: Damp

CANAL GAUGE:(1.9) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Completed forming East Monoliths #132, and #129, after laborers washed and cleaned the Stabilization Slab and Re-Steel at these Monoliths. Poured Concrete at East Monoliths #132 and #129 today. Burned holes in CZ-101 Sheet Piling to pass rebar through at East Monoliths #127, #130, AND #125. Unloaded wooden mats and large sandbags (for bracing off I-Wall Forms with). Set one Wall Form at East Monolith #127. Laborers wet down curing I-Wall Monoliths. (East Monoliths #134, #133, and #131). Also cut weeds and grass within the Construction Easement.

ARCADIA REBAR - Tied bottom Re-Steel at East Monolith #127. Tied top Wall Steel in place at East Monoliths #129 and #132.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	60	B & K	Forming and pouring Concrete I-Wall; Burning holes for rebar; Curing I-Wall Concrete; Cutting weeds & grass. (See above.)
7	Skilled	60	"	
1	Supt.	8.5	"	
1	Q.C. Rep.	8	"	
8	Skilled	40	ARCADIA REBR	Tying Reinforcing Steel for new I-Wall. (See above.)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	6	2	-
Komatsu D37P Dozer	-	Yes	2	6	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	No	0	8	-
MKT Vibro Hammer	-	No	0	8	-
Fiat-Allis MotorGrader	-	No	0	8	-
Mantis 3612 Crane	-	Yes	6	2	-
JSW Excavator	-	No	0	8	-
Welding Machine	-	No	0	8	-

TESTS PERFORMED  
(as required by plans/specifications)

DELTA TESTING - Performed Concrete Tests on Mix #44 received from LAFARGE CONCRETE COMPANY today. Slumps were recorded at 3 1/2" and 4". AIR CONTENTS were recorded at 4.6% and 4.4%.

MATERIALS RECEIVED

Received 36 c.y. of Concrete Mix #44 from LAFARGE CONCRETE today. Placed this material in I-Wall Forms at East Monoliths #129 and #132.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Reinforced Concrete Floodwall work done today. LMN Form #1246 was completed prior to Concrete placement. Formwork and Re-Steel was found to be acceptable. Waterstops, Chamfer Strips, and Expansion materials were installed correctly. Placement methods were also inspected, and found to be performed according to Contract Specification. Consolidation of Concrete was adequately performed by a Concrete vibrator.

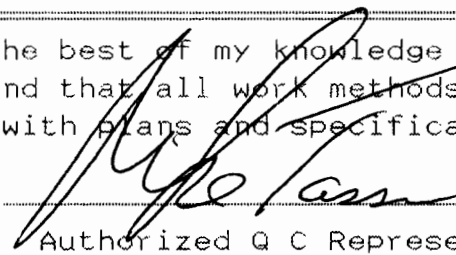
JOB SAFETY  
(Note inspection, violations/actions taken)

Checked the ladders and scaffolds at I-Wall Forms today. Ladders were in good condition, and tied off to scaffolding. Walkboards, hand-rails, and toeboards were in place and in good condition.

REMARKS  
(Instructions received, miscellaneous remarks)

We still need to pick up branches and limbs on the West Bank behind the Mintz's estate. BAYOU TREE SERVICE was called to come out and take care of this situation.

I certify to the best of my 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.

  
Authorized Q C Representative

04/17/95

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

101

TO Area Engineer,  
CELMN-CD-NO

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

DATE Thursday  
13 April 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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
50%	50%	50%	50%	50%

MINIMUM	MAXIMUM
58°	82°

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

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			1-7 hrs	1-7 hrs	

FEET	TIME
2.80'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
2-16½ hrs	7-55 hrs	6-42 hrs	15-113½	0700 M	1600 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; SILT FENCE
- 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) Finishers rubbed surfaces of East Monos #131 & #134; Installed expansion material for East Mono #132; Installed bulkheads & waterstops for East Mono #129; Cured East Monos #131, #133, #134 and #136 with wetted burlene; Repaired erosion control silt fence along L/S toe of east levee between EB/L Sta's 108+00 and 115+00.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04, 11 & 12 April 95.  
50% of days lost due to adverse weather/high tides on 05, 06, 07, 10 & 13 April 95.

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

Minor progressive work was performed by B&K only this date, due to high tides still having the structural excavations flooded. See attached CQC Report for details.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 15.7%  
PERCENT TIME ELAPSED: 40.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:  
REINFORCED CONCRETE FLOODWALL: No instructions issued.  
EROSION CONTROL: 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: Observed carpenters setting bulkheads and waterstops for East Mono #129 and expansion material for East Mono #132. Observed finishers rubbing surfaces of East Monos #131 and #134 this date. Checked and found East Monos #131, #133, #134, and #136 being properly cured with wet burlene blankets as required, when finishers were not working on them.

EROSION CONTROL: Observed B&K personnel repairing erosion control silt fence along the L/S toe of the East Levee, between EB/L Sta's 108+00 and 115+00, by adding an additional 2' of fabric to the material already in-place.

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: No concrete work was performed this date, due to high tides in the adjacent canal hampering contractor's operations.

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

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

Checked and found all extension cords being used this date, to be in very good shape (no broken insulation and ground prone in-place).

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

  
ZANE D. BRYANT, JR.

DATE

14 APR 95

SUPERVISOR'S INITIALS



DATE

4/18/95





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

DATE: 04/13/95

REPORT NO.: 138

SKIES: Clear

RAIN: 0

IN: TEMP: 58 MIN. 82 MAX.

DUST: Minimal LEVEE CONDITION: Damp

CANAL GAUGE:(2.8)NOISE: Minimal

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Too wet for any Floodwall work today. Laborers repaired Silt Fence on the East Bank from Station 115+00 to Station 108+00, cut weeds & grass within the Construction Easement on the West Bank, & continued wetting down the curing I-Wall Monoliths. Carpenters installed Expansion material at East Monolith #132, and installed Bulk-heads and Watersstop at East Monolith #129. Builts dams at the work area to pump water out tomorrow, & did minor repair work to Forms. Cement Finishers patched & rubbed I-Wall Monoliths #131 and #134. Covered curing I-Wall Monoliths #136, #134, #133, and #131, and wet them down at the days end.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO.	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	42	B & K	Too wet for I-Wall Construction; Forming & curing I-Wall Monoliths; Cutting weeds & grass; Repairing Silt Fence for Erosion Control; Finishing I-Wall Concrete.
7	Skilled	55	"	
1	Supt.	8.5	"	
1	Q.C. Rep.	8	"	

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	3	5	-
Komatsu D37P Dozer	-	Yes	3	5	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	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	4	4	-
JSW Excavator	-	No	0	8	-
Welding Machine	-	Yes	2	6	-

TESTS PERFORMED  
(as required by plans/specifications)

None performed today.

MATERIALS RECEIVED

None received today.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Cathodic Protection work done today. The #6 Rebar was tack-welded to each piece of CZ-101 Steel Sheet Piling as required, but no Steel extended through the Monolith Joints. Slices were tacked together, and then tacked down to the CZ-101 Sheet Piling. No Bond Cables were installed today.

Inspected Silt Fencing on the East Bank (Station 119+00 through Station 108+00). No soil was found near the top of the fence; at least 12" of Geotextile extended above the existing soil. No gaps or breaks in the Erosion Protection were found. Silt Fence material was tied securely to Safety Fence.

JOB SAFETY  
(Note inspection, violations/actions taken)

Checked Fire Extinguishers on the welding machine, 580 Backhoe, and Mantis Crane today. Each of these machines had a fully charged 5 lb. Extinguisher on board.

Welder tacking #6 Rebar wore an approved welding helmet with proper dark lenses to protect his eyes and face.

REMARKS  
(Instructions received, miscellaneous remarks)

Silt Fence was repaired as requested by the Government. Sheet Piling were stacked neatly as requested also.

Met with NPSI/ENTERGY (Mr. Malcolm Lear) to discuss possible relocation of Power Pole on the East Bank near Station 100+11. It appears more feasible to de-energize the overhead power lines rather than to try to move the pole. NPSI will follow up on this problem.

I certify to the best of my 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

04/14/95

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  
100

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

DATE Wednesday  
12 April 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 & Mild

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
0%	0%	0%	0%	0%

TEMPERATURE	
MINIMUM	MAXIMUM
58°	80°

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
			1-7 hrs	1-7 hrs	

FEET	TIME
4.00'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-16 hrs	11-64 hrs	8-51 hrs	21-131

NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3			
FROM	TO	FROM	TO	FROM	TO
0700 M	1530 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. - TYING RESTEEL
- 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) Wrecked forms from East Mono #131; Rubbed surfaces of East Monos #133 and #136; Cured East Monos #131, #133, #134, #136 & #138 with wet burlene; Repaired silt fencing along east levee between B/L Sta's 115+00 and 119+05.
- b) Tied two (2) set of wall stem resteel for placement at a later date.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04, 11 & 12 Apr 95.  
50% of days lost due to adverse weather/high tides on 05, 06, 07 & 10 Apr 95.

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

Minor work was performed this date due to extremely high tides and wet ground conditions hampering all of the contractor's work day schedule.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 15.7%  
PERCENT TIME ELAPSED: 40.1%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:  
REINFORCED CONCRETE FLOODWALL: No instructions issued.  
TYING RESTEEL: No instructions issued.  
SILT FENCES: 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 B&K removing forms from East Mono #131 this date. Checked East Mono #131 and found no broken fractured fins or major surface defects. Noted that East Monos #131, #133, #134, #136 and #138 were covered with wetted burlene for curing as required. Observed finishers rubbing surfaces of East Monos #133 & #136, and patching tie-rod holes in East Mono #131 this date.

TYING RESTEEL: Observed Arcadia tying two (2) sets of wall stem steel on levee crown. These will be placed at a later date. Noted all steel tied this date, were spaced at 9" apart and tied at 100%.

SILT FENCES: Observed contractor personnel repairing silt fence along the L/S toe of the East Levee between approx. EB/L Sta's 115+00 and 119+05, by adding additional fabric material to the tops of the existing silt fence fabric.

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: Contractor began re-stacking stored sheet piles on the L/S slopes of the West Levee.

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

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

Noted person operating weed-eater this date, was wearing hard hat, safety-toed boots, and safety glasses.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT JR.	DATE 13 APR 95	SUPERVISOR'S INITIALS 	DATE 4/17/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 04/12/95

REPORT NO.: 137

SKIES: Clear

RAIN: 0

IN: TEMP: 58 MIN. 80 MAX.

DUST: None

LEVEE CONDITION: Wet

CANAL GAUGE:(4.0)NOISE: Minimal

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Too wet for any Floodwall work today. Canal water had the work area flooded today also. Laborers cut weeds & grass inside the construction easement, and repaired the Silt Fence on the East Bank from Station 119+05 to Station 115+00. Performed maintenance on pumps and generator. Carpenters wrecked East Monolith #131, then covered #131 with Burlene and wet down all I-Walls still curing (East Monoliths #138, #136, #134, #133, and #131). Cement Finishers patched and rubbed Concrete at East Monoliths #136, and #133.

ARCADIA REBAR - Pre-tied two more Re-Steel Wall Curtains on the Levee for future placement. No other work performed today.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	51	B & K	No I-Wall construction possible - too wet. Repairing Silt Fence on the East Bank; Cutting weeds & grass.
7	Skilled	48	"	
1	Supt.	8	"	
1	Q.C. Rep.	8	"	
4	Skilled	16	ARCADIA REBR	Pre-tying Re-Steel for I-Wall tops.



QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	2	6	-
Komatsu D37P Dozer	-	Yes	1	7	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	No	0	8	-
MKT Vibro Hammer	-	No	0	8	-
Fiat-Allis MotorGrader	-	No	0	8	-
Mantis 3612 Crane	-	Yes	4	4	-
JSW Excavator	-	No	0	8	-
Welding Machine	-	No	0	8	-

TESTS PERFORMED  
(as required by plans/specifications)

None performed today.

DELTA TESTING faxed the results of the existing Levee soil compaction curves to B & K CONSTRUCTION. These results were mailed out today.

MATERIALS RECEIVED

LULICH STEEL sent the U-Bars to us that were shorted on the delivery 04/06/95.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Silt Fence repair work done today. Soil was shoveled away from existing Silt Fence, then another 2' strip of Geotextile was added above the ground. 6" of Silt Fence material was over-lapped, and tie wire was used to attach the new Geotextile to the fence.

Inspected the ~~st~~oed material on the West Bank (new CZ-101 Sheet Piling). Pairs of Sheets were neatly stacked along the Land Side slope of the Levee 7 to 9 pairs at a time.

JOB SAFETY  
(Note inspection, violations/actions taken)

Checked the gates at Mirabeau & Filmore Avenues today. Gates were closed and locked. "KEEP OUT" signs were posted as well.

Checked the reverse alarm on the Case 580 Backhoe. The alarm was found in good working condition, and was clearly audible.

REMARKS  
(Instructions received, miscellaneous remarks)

Stacked CZ-101 Sheet Piles in an orderly fashion along the West Bank near Robert E. Lee Blvd. as instructed to do by the Government on Monday, 04/10/95.

I certify to the best of my 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.

  
Authorized Q C Representative

04/13/95

Date

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

THE QAR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
99

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

DATE Tuesday  
11 April 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 & Windy 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 62° MAXIMUM 72°

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

24 HOUR PRECIPITATION  
INCHES 2.80" ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			1-7 hrs	1-7 hrs	

Canal RIVER STAGE  
FEET 4.80' TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-9 hrs	6-8½ hrs	7-7 hrs	15-24½

NUMBER OF SHIFTS  1  2  3  
FROM TO FROM TO FROM TO  
0700 M 1200 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. - No Work 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 work performed this date, due to adverse weather conditions and extremely high tides in the adjacent canal.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04 & 11 Apr 95.  
50% of days lost due to adverse weather/high tides on 05, 06, 07 & 10 Apr 95.

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

No work performed this date, due to adverse weather and extremely high tides in canal.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 15.7%  
PERCENT TIME ELAPSED: 39.9%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phase this date:  
TEMPORARY FLOOD PROTECTION: No instructions issued.

The following Follow-Up QA Inspection was performed this date:

TEMPORARY FLOOD PROTECTION: Made a visual inspection of the temporary flood protection sheet piles between EB/L Sta's 103+00 and 119+05. Noted all piles were at a top elev. of +6.75' as required. Also noted no breaks or gaps in protection, except at tie-in location at approx. EB/L Sta. 119+05, and this gap was closed with sand bags to elev. +6.75'. Water in canal ranged between 3.20' and 4.80' throughout the day, due to continuous pumping by adjacent Pump Station in London Ave Canal because of the recent heavy rains.

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

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

Noted all safety fence gates were secured throughout this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

  
LANE D. BRYANT JR.

DATE

12 Apr 95

SUPERVISOR'S INITIALS



DATE

4/17/95



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

DATE: 04/11/95

REPORT NO.: 136

SKIES: Cloudy - Rain

RAIN: 2.8 IN. TEMP.: 62 MIN 72 MAX

DUST: None

LEVEE CONDITION: Wet CANAL GAUGE: (4.8) NOISE: None

(HIGHEST READING)

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - No work performed due to heavy rain and extremely high tide in the Canal.

No work performed by any subcontractors today either.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	No	0	8	No
Komatsu D37P Dozer	-	No	0	8	No
Kubota 151 Excavator	-	No	0	8	No
Case 580 Backhoe	-	No	0	8	No
Koehring 535 Crane	-	No	0	8	No
MKT Vibro Hammer	-	No	0	8	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	No	0	8	No
JSW Excavator	-	No	0	8	No
Welding Machine	-	No	0	8	No

MATERIALS RECEIVED

None received today.  
Stabilization Slab on the East Bank from Station 109+25 to Station 108+05.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Checked the Temporary Flood Protection on the East Bank (Station 119+05 to Station 113+00). No gaps or breaks were found in the Sheet Pile Wall at elevation +6.75 except for a 2' gap at the tie-in to existing Floodwall (Station 119+05). This gap was securely closed up with sandbags, backed up with a second of sand bags, stacked up to elevation +6.75 or higher.

TESTS PERFORMED  
(As required by plans/specifications)

None performed today.

DELTA TESTING will pick up Concrete Test Cylinders on 04/10/95 and deliver them to the Government Lab tomorrow.



CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	7	B & K	No work performed - too wet with work area flooded. Checked Temp. Flood Protection and equipment on the East Bank.
6	Skilled	8.5	"	
1	Supt.	4	"	
1	Q.C.Rep.	5	"	

JOB SAFETY

(Note inspection, violations/actions taken)

Checked streets for mud from construction equipment and trucks. No signs of mud or debris were observed on Robert E. Lee Blvd. or the bridge over London Avenue Canal.

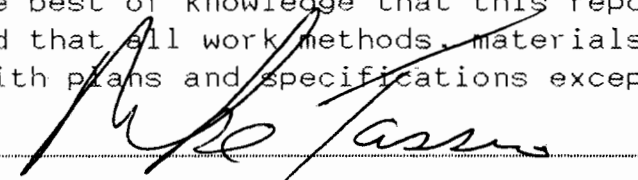
Checked equipment parked on the Levee on the East Bank of the Canal. Booms, buckets and other attachments of equipment were lowered to the ground. Parking brakes were engaged where applicable.

REMARKS

(Instructions received, miscellaneous remarks)

The Levee soil is saturated from the heavy rains in the past 24 hours. Work will not be possible tomorrow, and may be delayed longer than that (Concrete delivery trucks won't be able to drive down the Levee.).

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.



04/12/95

Authorized Q C Representative

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

98

TO Area Engineer,  
CELMN-CD-NO

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

DATE Sat., Sun. & Mon.  
08, 09 & 10 April 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 & 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 66°	MAXIMUM 82°
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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 4.10"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY 1-1 hr.	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 2-9 hrs	LABOR
------------------------	--------	--------	-----------------------	------------------	-------

Canal REPAIR STAGE

FEET 2.30'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 2-22½ hrs	SKILLED 9-87 hrs	LABORERS 8-88 hrs	TOTAL 19-197½	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 (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; STRUCTURAL EXCAVATION
- 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 by letter in Table above)

- a) Performed structural excavation between EB/L Sta's 105+00 and 107+30; Formed and poured East Mono #134; Wrecked forms from East Monos #133 & #136; Poured stabilization slab between EB/L Sta's 108+05 & 109+25; Set F/S form for East Mono #129; Cured East Monos #131, #133, #135 and #136 with wetted burlene.
- b) Set & tied all resteel for East Mono #134 and bottom resteel only for East Mono #129.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04 Apr 95.  
50% of days lost due to adverse weather/high tides on 05, 06, 07 & 10 Apr 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., 10 Apr 95. No work performed by Gill due to flooded structural excavation. B&K had one person come out on site on Sat., 4/8/95 to break forms loose and wet burlene for curing.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 15.7%  
PERCENT TIME ELAPSED: 39.8%

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.  
RESTEEL INSTALLATION: No instructions issued.  
EROSION CONTROL: 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 CQC ACTIVITIES**

The following Follow-Up QA Inspections were performed on Mon., 10 Apr 95:

**REINFORCED CONCRETE FLOODWALL:** Observed removal of forms from East Monos #133 & #136. No spalding or broken fractured fins noted. Performed Pre-Placement Inspection on East Mono #134 this date, prior to placing concrete (see attached LMN Form 1246). Observed placement and vibration of concrete this date. Concrete is being placed in lifts less than 18", and is being thoroughly vibrated. Also chutes and trimmies were used to place concrete and to assure no vertical drops of more than 5' were permitted. Witnessed Rep. from Delta Testing performing required test on concrete used this date (see back of attached LMN Form 1246 for test results). Checked formed and graded area for stabilization slab this date, between EB/L Sta's 108+05 and 109+25, and found this area sufficiently graded to allow for 4" thick concrete placement.

**STRUCTURAL EXCAVATION:** Observed B&K using a 200 Komatsu to excavate for I-Wall between EB/L Sta's 105+00 and 107+30, down to approx. elev. +1.58'. Excavated material is being placed on the F/S of excavation.

(CONTINUED ON ATTACHED SUPPLEMENT SHEET)

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

PE, C. Wagner and QAR, Z. Bryant instructed CQC Rep's J. Justice and M. Tassin to repair all deficient areas in the erosion control silt fence along the L/S toe of the East Levee, between approx. EB/L Sta's 108+00 and 119+05. Also to go throughout jobsite area and properly stack all steel sheet piles stored along the L/S slopes of levee. Informed Messrs. Tassin and Justice that if these deficient items were not corrected by Fri., 14 Apr 95, then a written Notice of Contract Deficiency would be issued by QAR on Mon., 17 Apr 95.

Messrs. Tassin and Justice both agreed to have the above mentioned deficient items corrected by COB on Fri., 14 Apr 95.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

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

**NOTE:** Rainfall indicated on the front of this report (4.10"), fell after contractor had shut-down all operations on Mon., 10 Apr 95. Rain fell after 2000 hrs. this date.

**NOTE:** Excavated fill material indicated this date, has large amounts of broken concrete and rip-rap. Most of this material is unsuitable for structural backfill.

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

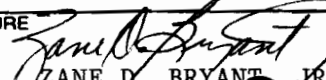
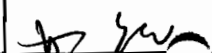
**REMARKS (include visitors to project and miscellaneous remarks pertinent to work)**

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
C. WAGNER	Civ. Engr., GS-11	1 hr. (Mon)		PE
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 that oxygen/acetylene torch set being used this date, have properly installed anti-flow back valves.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 12 Apr 95	SUPERVISOR'S INITIALS 	DATE 4/17/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 98

DATE 08, 09 & 10 Apr 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

(CONTINUED FROM ENG FORM 2538-2, QAR)

RESTEEL INSTALLATION: Observed subcontractor (Arcadia) setting and tying resteel for the bottom and wall stem sections of East Mono #134, and the bottom steel only for East Mono #129. All resteel was installed and spaced in accordance with approved shop drawings. Also all resteel installed this date was tied at 100%.

EROSION CONTROL: Inspected silt fencing along the L/S toe of the existing East Levee, between EB/L Sta's 103+00 and 119+05. It was noted that several areas between EB/L Sta's 108+00 and 119+05, had slipped down and fill material was almost to the point of spilling over the top. Contractor was instructed to repair these areas.


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

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

No additional instructions were issued this period.

REMARKS:

No additional remarks for this period.

  
ZANE D. BRYANT, JR.  
Inspector's Signature



DATE: 4-10-95

## QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:** Observed contractor personnel sitting & aligning forms for concrete placement later today. Checked erosion control fencing from R.E. Lee to Pumping Sta. & found many deficient areas which need to be fixed. Continuing to rub & patch concrete walls & burlap was placed over walls for curing purposes.

**Instructions to COC/Remarks:** Instructed COC cips Mike Tassin & Terry Tucker that erosion control silt fence must be repaired & sheet piling properly stacked by COB Friday, Apr 14. Both agreed to do so.

Chunf Wagner Proj Engr  
Name Title

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 East # 134 LIFT NO. ONE ELEVATION from 2.00 to 14.40 DATE OF POUR 4-10-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	4-10-95	12:35	ZJB	4-10-95	1300
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	"	"	N/A	N/A	N/A
ANGLE	N/A	"	"	"	"	"
HEADS	N/A	"	"	"	"	"
C. STAB. SLAB/JOINTS	JmJ	4-10-95	12:35	ZJB	4-10-95	1300
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	"	"	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	4-10-95	12:35	ZJB	4-10-95	1305
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	4-10-95	12:40	ZJB	4-10-95	1310
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	4-10-95	12:40	ZJB	4-10-95	13:10
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.84'	✓	"	"	✓	✓	✓
WIDTH 1.75'+1.00'	✓	"	"	✓	✓	✓
HEIGHT 12.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmj	4-10-95	12:45	ZJB	4-10-95	13:15
G. SAFETY (LIST)	Jmj	4-10-95	12:45	ZJB	4-10-95	13:15
1. Eye Protection	✓	"	"	✓	✓	✓
2. Rigging Check	✓	"	"	✓	✓	✓
3. Scaffold + Ladder	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	4-10-95	12:45	ZJB	4-10-95	13:15
Expansion Material	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Thamias Crane	1	#3612	1420	2 1/2				
Concrete Bucket	1	1.5 c.y.	1420	2 1/2				
Concrete Vibrator	1	18'	1420	2 1/2				

J. REMARKS SLUMP = 5" + 5 1/2" ; AIR ENTR. = 3.0% + 3.3% CONCRETE TEMPS = 80° + 77° ;  
 AIR TEMPS = 76° + 76° ; 3 Test Cylinders (LA-24)

CONTRACTOR REPRS: Jerry 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 CONSTRUCTIONS JOB NO. 9402

DATE: 04/10/95

REPORT NO.: 135

SKIES: Pt. Cloudy

RAIN: 4.1 IN. TEMP.: 66 MIN 82 MAX

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

WORK PERFORMED/LOCATION

04/08/95 (Saturday) - One man came in to wet down Burlene and curing I-Wall Concrete. Also broke Forms open slightly to keep Concrete from bonding to Form liner.

04/09/95 (Sunday) - No work performed.

04/10/95 (Monday) - B & K CONSTRUCTION - Performed Structural Excavation on the East Bank from Station 107+30 to Station 105+00. Formed, graded, and poured Stabilization Slab (on the East Bank) from Station 109+25 to Station 108+05. Block-outs were built at Bond Cable locations. Nob Bond Cables were installed today. Carpenters wrecked Forms at East Monolith #136 and #133. Cleaned, oiled and then set I-Wall Forms at East Monolith #134 complete, and East Monolith #129 (Canal Side only). Placed Concrete at East Monolith #134 today at 2:00 PM. Laborers pumped water, and wet down curing I-Wall Concrete at East Monoliths #140, #138, #136, #135, #133, and #131.

ARCADIA REBAR - Tied Reinforcing Steel on the East Bank at I-Wall Monoliths #134 (top and bottom), and #129 bottom only. They left the job at noon.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	3	5	No
Komatsu D37P Dozer	-	Yes	2	6	No
Kubota 151 Excavator	-	No	0	8	No
Case 580 Backhoe	-	Yes	2	6	No
Koehring 535 Crane	-	No	0	8	No
MKT Vibro Hammer	-	No	0	8	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	8	2	No
JSW Excavator	-	Yes	5	3	No
Welding Machine	-	No	0	8	No

MATERIALS RECEIVED

Received 18 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY today. Placed this material at East Monolith #134. Also received 12 c.y. of Concrete (also Mix #44) from LAFARGE, which was used in Stabilization Slab on the East Bank from Station 109+25 to Station 108+05.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Structural Excavation work performed today. The bottom of the Excavation was controlled by a Laser Level at elevation +1.58. Width of the Excavation was approximately 6' wide, 3' on each side of the new Sheet Piling. Material from the Excavation was placed in a windrow on the Canal Side of the Excavation. The material was approximately two thirds solid and one third Concrete debris.

Also inspected the Formwork and placement of Concrete at East I-Wall Monolith #134. See the Form Checklist (LMN #1246) for details of forming and imbedded items. No deficiencies were noted in placement methods or Formwork today.

Inspected Erosion Control Silt Fencing today on the East Bank at 119+00 through 107+00. Repairs are necessary here, and will be done this week.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING - Performed Concrete tests as required by the Contract Specifications on Concrete Mix #44 delivered by LAFARGE CONCRETE COMPANY today. SLUMPS and AIR CONTENTS were recorded as follows:  
SLUMPS = 5" and 5 1/2"      AIR CONTENTS = 3.0% and 3.3%

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	88	B & K	Wrecking, forming, & pouring I-Wall Monoliths; Finishing & covering I-Wall Concrete; forming & pouring Stabilization Slab; Excavating for I-Wall.
7	Skilled	77	"	
1	Supt.	11	"	
1	Q.C.Rep.	11.5	"	
2	Skilled	10	ARCADIA REBAR	Tying Re-Steel for I-Wall.(Page 1.)

JOB SAFETY

(Note inspection, violations/actions taken)

Checked ladders at I-Wall scaffolds. Both were in good condition, and tied off at the top and resting firmly on stable ground at the bottom.  
Checked workers for Hard Hats and Steel Toed Boots. All employees were wearing proper personal protection today. Safety glasses were worn during placement of Concrete, and while using power tools.

REMARKS

(Instructions received, miscellaneous remarks)

Mr. Chris Wagner instructed us to re-stack the new CZ-101 Sheet Piling on the West Bank between Station 119+00 and 114+00, in an orderly fashion by 04/14/95.  
Inspector Zane Bryant instructed us to repair the Silt Fencing on the East Bank between Station 119+00 to Station 108+00 by 04/14/95.  
Superintendent Mike Tassin said that he would comply with these instructions by the end of the work day on 04/14/95.

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.

  
Authorized Q C Representative

04/11/95

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

97

TO Area Engineer,  
CELMN-CD-NO

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

DATE Friday  
07 April 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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
50%	50%	50%	50%	50%

MINIMUM	MAXIMUM
62°	82°

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

Canal RIVER STAGE

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

FEET	TIME
2.60'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1  2  3

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-17½ hrs	10-87 hrs	8-87 hrs	20-191½

FROM	TO	FROM	TO	FROM	TO
0700 M	1800 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. - 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 and waterstops for East Monos #131 & #133; Poured and vibrated concrete for East Monos #131 & #133; Wet cured East Monos #135, #136, #138 & #140; Rubbed surfaces of East Monos #135 & #138; Installed cathodic protection jumpers between East Monos 128/129, 129/130, and 130/131; Poured stabilization slab between EB/L Sta's 109+25 and 110+00.

b) Drove 28 pcs of CZ-101 X 24'-9" sheet piles between EB/L Sta's 107+49.45 and 107+99.95

~~Days lost due to adverse weather/high tides~~ c) Installed wall stem resteel for East Mono #131.

100% of days lost due to adverse weather/high tides on 04 April 95.

50% of days lost due to adverse weather/high tides on 05, 06 & 07 April 95.

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

Progressive work was performed by B&K, Gill, and Arcadia this date. However, work was hampered due to high tides flooding structural excavations and contractor having to continually pump water out of excavations.

DATE SET FOR COMPLETION: 03 April 1996

PERCENT PROJECT COMPLETE: 15.5%

PERCENT TIME ELAPSED: 39.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

NEW STEEL SHEET PILES: 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 Follow-Up QA Inspections were performed this date:

**REINFORCED CONCRETE FLOODWALL:** Checked alignment of forms set for East Mono #131 & #133, and found to be in accordance with approved plans. Performed Pre-Placement Inspections on East Monos #131 & #133 this date, prior to placing concrete (see attached LMN Form 1246's). Observed the placement and vibration of concrete into forms for East Monos #131 & #133. Concrete is receiving adequate vibrations and is being placed in lifts of approx. 18" each. Witnessed Rep. from Delta Testing, Inc. performing required test and molding 3 test cylinders on concrete being used this date (see back of attached LMN Form 1246's for test results). CQC Rep. continually monitoring forms during concrete pour, for movement. No movement noted. Finishers rubbed surfaces of East Monos #135 & #138. Contractor poured 4" stabilization slab between EB/L Sta's 109+25 & 110+00, with a top elev. of +2.00'. Con't curing East Monos #135, #136, #138 & #140 with wet burlene blankets. Checked installation of cathodic protection jumpers at East Mono Joints 128/129, 129/130, and 130/131, and found all to be securely fastened by cadwelding and properly coated on exposed ends with Roysten Handicap resin.

(CONTINUED ON ATTACHED 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 OCR 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)**


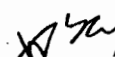
GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	7 hrs.	QAR

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

Contractor held Weekly Safety Meeting at 0730 hrs. on site this date. See attached minutes for topics discussed.

Noted finishers wearing safety glasses, rubber gloves, hard hats and safety-toed boots this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT JR.	DATE 11 April 95	SUPERVISOR'S INITIALS 	DATE 4/14/95
--	---------------------	---	-----------------

QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 97

DATE Fri. - 07 Apr 95

**QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:**

(CONTINUED FROM ENG Form 2538-2, QAR)

STEEL SHEET PILES: Observed subcontractor (Gill) sticking & driving 28 pcs of CZ-101 X 24'-9" sheet piles, between EB/L Sta's 107+49.45 and 107+99.95. All piles were driven plumb and on proper alignment. All piles were driven to a top elev. of +4.75' as required, except for the two (2) piles on each side of the monolith joints which were driven down an additional 9" to approx. elev. +4.00' as required.

RESTEEL INSTALLATION: Observed subcontractor (Arcadia) setting and tying all required resteel for the wall stem section of East Mono #131 this date. All resteel was installed and spaced in accordance with approved shop drawings. All resteel was also tied at 100%. Noted that Arcadia also tied-up two (2) additional sets of wall stem resteel, which will be placed at a later date.

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

ENVIRONMENTAL PROTECTION: Contractor's general housekeeping of jobsite is satisfactory. All debris and trash is being disposed of properly.

**VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:**

NONE

**REMARKS:**

NONE

  
ZANE D. BRYANT, JR.  
Inspector's Signature





FORM CHECK OUT FOR

STRUTURES

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

LIFT NO.:

ELEVATION

DATE OF POUR

East # 131

ONE

from 2.00 to 14.40

4-7-95

**FILE**

INSPECTED BY CONTRACTOR

REVIEWED BY C.O.E.

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	4-7-95		ZAB	4-7-95	1300
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	"	"	N/A	N/A	N/A
ANGLE	N/A	"	"	"	"	"
HEADS	N/A	"	"	"	"	"
C. STAB. SLAB/JOINTS	Jmj	4-7-95		ZAB	4-7-95	1300
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	"	"	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	4-7-95		ZAB	4-7-95	1305
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	4-7-95		ZAB	4-7-95	1305
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmf	4-7-95		ZLB	4-7-95	1305		
CLEANLINESS	✓	"	"	✓	"	✓		
RELEASING AGENT	✓	"	"	✓	"	✓		
TIES AND BOLTS	✓	"	"	✓	"	✓		
LENGTH 28.87'	✓	"	"	✓	"	✓		
WIDTH 1.75' to 1.00'	✓	"	"	✓	"	✓		
HEIGHT 12.40'	✓	"	"	✓	"	✓		
WATERSTOPS	✓	"	"	✓	"	✓		
CHAMFER STRIPS	✓	"	"	✓	"	✓		
F. WEATHER PROTECTION	Jmf	4-7-95		ZLB	4-7-95	1310		
G. SAFETY (LIST)	Jmf	4-7-95		ZLB	4-7-95	1310		
1. Eye Protection	✓	"	"	✓	"	✓		
2. Ladder + Scaffold	✓	"	"	✓	"	✓		
3. Rigging + Equipment	✓	"	"	✓	"	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmf							
Expansion Material	None This Pour							
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	# 3612	1400	2				
Concrete Bucket	1	1.5 c.y.	1400	2				
Concrete Vibrator	1	18'	1400	2				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 83° ; AIR TEMPS = 80° ; 3 Test Cylinders (LA-23)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry N. [Signature]				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.								

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

MONOLITH East # 133 LIFT NO. ONE ELEVATION from 2.00 to 14.40 DATE OF POUR 4-7-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	4-7-95	11:10	ZAB	4-7-95	11:10
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	"	"	N/A	N/A	N/A
ANGLE	N/A	"	"	"	"	"
HEADS	N/A	"	"	"	"	"
C. STAB. SLAB/JOINTS	JmJ	4-7-95	11:10	ZAB	4-7-95	11:10
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	"	"	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	4-7-95	11:10	ZAB	4-7-95	11:10
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	4-7-95	11:15	ZAB	4-7-95	11:15
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	<i>JmJ</i>	4-7-95	11:15	<i>ZOB</i>	4-7-95	11:15
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.88'	✓	"	"	✓	✓	✓
WIDTH 1.75' $\frac{1}{16}$ 1.00'	✓	"	"	✓	✓	✓
HEIGHT 12.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	<i>JmJ</i>	4-7-95	11:20	<i>ZOB</i>	4-7-95	11:15
G. SAFETY (LIST)	<i>JmJ</i>	4-7-95	11:20	<i>ZOB</i>	4-7-95	11:15
1. Eye Protection	✓	"	"	✓	✓	✓
2. Ladder & Scaffold	✓	"	"	✓	✓	✓
3. Rigging & Equipment	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	<i>JmJ</i>	4-7-95	11:20	-	-	-
Expansion Material	None This Pour					

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	# 362	1145	2				
Concrete Vibrator	1	18'	1145	2				
Concrete Bucket	1	1.5 c.y.	1145	2				

J. REMARKS SLUMP = 3 1/2" ; AIR ENTR. = 4.8% ; CONCRETE TEMPS = 83° ;  
 AIR TEMPS = 78° ; 3 Test Cylinders (LA-23)  
 FINAL CLEARANCE

CONTRACTOR REPRS: *Jerry Justice* C.O.E. REPRS: *Frank Dupont*

**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 CONSTRUCTIONS JOB NO. 9402

DATE: 04/07/95

REPORT NO.: 134

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 62 MIN 82 MAX

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

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Installed three Bond Cables at East Monolith Joints #131-#130, #130-#129, and #129-#128. Burned holes in CZ-101 Sheet Piling (to pass #5 Rebar through) at East Monoliths #129 and #130. Formed up Stabilization Slab and poured Concrete Slab from Station 110+00 to Station 109+25 (East Bank). Set Forms at East I-Wall Monolith #131, and completed details on Forms at East Monolith #133. Placed Concrete at East I-Wall Monoliths #133 and #131 today at 11:45 and 2:00 PM. Cement Finishers patching and rubbing East Monoliths #138 and #135. Laborers wet down East I-Walls #140, #138, #136, and #135; kept Burlene Blankets wet today for curing of Concrete on these Monoliths.

ARCADIA REBAR - Tied top reinforcing Steel in place at East Monolith #131. Also tied two more Curtains of Wall Re-Steel on the Levee for future placement.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the East Bank from Station 107+99.95 to Station 107+49.45. (28 pieces at 24'9" long each). Also moved Scrap Sheets (cut-offs from Temporary Flood Protection work) down to the Pumping Station #4 end of this reach, to be removed from the job at a later date.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	3	1	No
Komatsu D37P Dozer	-	Yes	1	7	No
Kubota 151 Excavator	-	No	0	8	No
Case 580 Backhoe	-	Yes	2	6	No
Koehring 535 Crane	-	Yes	4	4	No
MKT Vibro Hammer	-	Yes	4	4	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	8	0	No
JSW Excavator	-	Yes	4	4	No
Welding Machine	-	No	0	8	No

MATERIALS RECEIVED

Received 36 c.y. of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY, today. Placed this material in East I-Wall Monoliths #131 and #133. Also received 2 c.y. of Concrete (also Mix #44) that we placed in Stabilization Slab, along with the left-over Concrete from the last I-Wall pour.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Cathodic Protection work done today. Only approved materials were used, and Bond Cables were insulated for the full length (except at each end, where epoxy caps were placed over bare wire). Exothermic welds were used to bond Cables to the new CZ-101 Sheet Piling at Monolith Joints shown on Page 1. Bond Cables were checked to make sure they were securely bonded to Sheet Piling metal.

Also inspected new CZ-101 Sheet Piling work done today. Alignment was: Centerline on new I-Wall = Centerline of CZ-101 Sheets. Cut-off elevation was +4.75. Interlocks were all fully engaged. Plumbness was to be no more than 1/8" per foot out of plumb both ways.

I checked the Formwork and placement methods used to accomplish the Reinforced Concrete Floodwall work done today. No deficiencies were noted. LMN Form #1246 Checklist was used to assure that all items were correct prior to Concrete placement. Placement of Concrete was accomplished by use of a 1.5 c.y. bucket, along with hoppers and trimmie chutes to minimize the vertical drop. A Vibrator was used to consolidate each 18" layer of Concrete. Burlene was placed over the top of the Walls when placement was completed.

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING - Performed Vibration monitoring and Concrete tests today on the East Bank. Concrete Mix #44 placed at East Monoliths #131 & #133 was tested. SLUMPS were found to be 4" and 3 1/2"; AIR CONTENT was found to be 4.8% and 5.0%. Three test cylinders were molded as required. Results of these tests were furnished to Inspector Zane Bryant today.

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	79	B & K	Forming & pouring Concrete I-Wall curing & finishing Concrete I-Wall; Forming & pouring Stabilization Slab; Installing Cathodic Protection Bond Cables. (See Page 1.)
7	Skilled	69	"	
1	Supt.	9	"	
1	Q.C.Rep.	8.5	"	
1	Skilled	8	GILL'S CRANE	Driving new CZ-101 Sheet Piling removing Scrap Sheets from the work area. (See Page 1.)
1	Unskilled	8	"	
2	Skilled	10	ARCADIA REBAR	Tying Re-Steel for I-Wall.(Page 1.)

JOB SAFETY

(Note inspection, violations/actions taken)

Held the Weekly Safety Meeting today. The topic of discussion was "EYE PROTECTION". Minutes of the meeting are attached to this report.

Checked the torch operator for proper eye protection. The worker was wearing appropriate burning goggles with dark lenses. The torch set being used was equipped with backflow preventers, and working regulators & gauges.

REMARKS

(Instructions received, miscellaneous remarks)

We are requesting 50% of Production Lost today due to high tide in the Canal. Canal waters had the work area flooded, delaying Stabilization Slab, Cathodic Protection, and Structural Excavation 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.

  
 \_\_\_\_\_  
 Authorized Q C Representative

04/10/95

Date



B & K CONSTRUCTION  
MINUTES OF SAFETY MEETING

DATE: 04/07/95

TIME: 7:30 AM

PROJECT: DACW29-94-C-0079 LONDON AVENUE OUTFALL CANAL  
LONDON AVENUE FLOODWALL

MEETING CONDUCTED BY: JERRY JUSTICE

PERSONS ATTENDING: SEE ATTACHED

TOPICS DISCUSSED: EYE PROTECTION

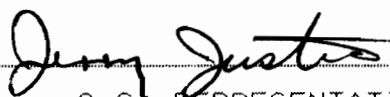
Today's Safety Meeting topic is "EYE PROTECTION". Employees were informed that safety glasses are required during certain activities. Some of these activities are: pouring and vibrating Concrete; chipping Concrete; using power tools (such as circular saws, grinders, weed-eaters, rotary hammers, etc.), and scraping & oiling Form panels. Other jobs may also require safety glasses - these are just a few specific activities that we know are hazards to the eyes.

When using a torch to burn metals on the job, approved burning goggles must be worn. Safety glasses are not adequate in this situation. Proper lenses in the burning goggles protect your eyes from permanent damage caused by exposure to torch flame light. Welding work also requires special eye protection. A welding hood with appropriate lenses must be worn during any welding activity.

When working near any hazards to the eyes, be sure to protect yourself. A person standing near to the work is a risk as well as the person actually doing the work. Don't take unnecessary chances with your eyes. You can't work without them.

COMMENTS:

Clear lense safety glasses are provided to each worker on a one time basis. If you were not issued a pair, ask Jerry or Mike for your pair. If your glasses are scratched badly, or broken, we will replace them (you must have your old pair to exchange.)



Q.C. REPRESENTATIVE  
B & K CONSTRUCTION

# Safety Meeting

ATTENDEES

4-7-95

Jerry Justice

Eric Bailey

Murray Jackson

Dale Tuzin

Willie Patton

Larry Lee

David Wright

Joe Leonard

Bryan Verdun

Bruce Jensen

Kevin Dufourchard

Steve Jones

Mike Campbell

Mike Tamm

Cindy Evans

**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  
96

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

DATE Thursday  
06 April 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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 50%	BORROW EXCAVATION 50%	EMBANKMENT 50%	CONCRETE 50%	STRUCTURE 50%
---------------------------	-----------------------	----------------	--------------	---------------

MINIMUM 59°	MAXIMUM 73°
-------------	-------------

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.			1-8½ hrs	2-9½ hrs	

FEET	TIME
2.90'	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	10-68 hrs	8-75 hrs	20-161	0700 M	1800 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. - 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) Wrecked forms from East Mono #138; Set forms, expansion material, wall stem resteel, and chamfer strips for East Mono #136; Poured concrete for East Mono #136; Performed minor repair work on I-Wall forms; Cured East Monos #135, #138 & #140 with wet burlene; Finishers rubbed surfaces of East Monos #137 & #140.

Days of no work and reasons for same:

100% of days lost due to adverse weather/high tides on 04 April 95.  
50% of days lost due to adverse weather/high tides on 05 & 06 April 95.

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

Progressive work was performed by B&K this date. However, work was slow due to high tides flooding the structural excavations. No work was performed by Gill or Arcadia this date, due to high tides.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 15.1%  
PERCENT TIME ELAPSED: 39.1%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phase this date:  
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 CQC ACTIVITIES**

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

**REINFORCED CONCRETE FLOODWALL:** Observed removal of forms froms East Mono #138. Noted no major honeycombs, or spalding, or broken fractured fins. Performed PrePlacement Inspection on East Mono #136 this date (see attached LMN Forms 1246). Witnessed placement and vibration of concrete into forms for East Mono #136. Found concrete being placed in approx. 18" lifts and is being thoroughly vibrated. Witnessed Delta Testing Rep. performing required concrete test and molding three test cylinders (LA-22) this date (see back of attached LMN Form 1246 for test results). Checked alignment and elevations of forms with CQC Rep., for East Mono #136 and found all to be in accordance with Plans. Observed finisher rubbing surfaces of East Monos #137 & #140, and patching tie-rod holes in East Mono #138 this date. Finishers patching all holes 1/2" or larger as required. Noted that East Monos #135, #138 & #140 were covered with wet burlene as required for curing, when finishers were not working on these monos.

**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:** Due to the extremely high tides (2.90') the structural excavations were flooded from the previous night, and contractor had to dam off sections of the structural excavations and pump out the water, so they could pour one (1) monolith this date. Also subcontractor were unable to work this date, due to the flooded structural excavations.

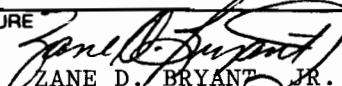

Contractor's Quality Control Report (submitted/~~NOT SUBMITTED~~) for this (date/~~PERIOD~~).

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

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
C. WAGNER	Civ. Engr., GS-11	1 hr.	PE
Z. BRYANT	Const. Insp., GS-07	7 1/2 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 the Case 580 loader/backhoe this date.  
No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT JR.	DATE 07 April 95	SUPERVISOR'S INITIALS 	DATE 4/17/95
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DATE: 4-6-95

## QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed contractor personnel setting forms + pumping out water from excavated area prior to placing concrete for Trench. Continuing to rub + patch previously placed walls + observed bucklers being wetted for curing purposes. Laborers continuing to monitor streets for excess debris resulting from concrete operations.

Instructions to COC/Remarks:

None given today.

Chunf Wagner  
Name

Proj Engr  
Title

FORM CHECK OUT FOR

STRU JRES

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 East # 136

LIFT NO. ONE

ELEVATION from 2.00 to 14.40

DATE OF POUR 4-6-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	4-6-95	3:00PM	ZJB	4-6-95	1515
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	"	"	N/A	N/A	N/A
ANGLE	"	"	"	"	"	"
HEADS	"	"	"	"	"	"
C. STAB. SLAB/JOINTS	Jmj	4-6-95	3:00	ZJB	4-6-95	1515
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	"	"	N/A	✓	✓
D. STEEL REINFORCING	Jmj	4-6-95	3:00	ZJB	4-6-95	1515
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	4-6-95	3:05	ZJB	4-6-95	1520
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	<i>Jmf</i>	4-6-95	3:05	<i>ZOB</i>	4-6-95	1520		
CLEANLINESS	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
RELEASING AGENT	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
TIES AND BOLTS	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
LENGTH 28.84'	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
WIDTH 1.75 to 1.00'	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
HEIGHT 12.40'	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
WATERSTOPS	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
CHAMFER STRIPS	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
F. WEATHER PROTECTION	<i>Jmf</i>	4-6-95	3:10	<i>ZOB</i>	4-6-95	1525		
G. SAFETY (LIST)	<i>Jmf</i>	4-6-95	3:10	<i>ZOB</i>	4-6-95	1525		
1. Eye Protection	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
2. Ladders & Scaffolds	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
3. Rigging Check	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
H. OTHER CHECKS PER SPECIFIC JOB	<i>Jmf</i>	4-6-95	3:10	<i>ZOB</i>	4-6-95	1525		
Exp. Material	<input checked="" type="checkbox"/>	"	"	<input checked="" type="checkbox"/>	"	<input checked="" type="checkbox"/>		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#3612	1545	1 1/2				
Conc. Bucket	1	1.5 c.y.	1545	1 1/2				
Conc. Vibrators	2	18' + 12'	1545	1 1/2				
J. REMARKS	SLUMP = 4 1/2" & 5" ; AIR ENTR. = 3.5% & 4.1% ; CONCRETE TEMPS = 78° & 84° ; AIR TEMPS = 79° & 76° ; 3 Test Cylinders (LA-22)							
FINAL CLEARANCE								
CONTRACTOR REPRS: <i>Jerry M. Justice</i>				C.O.E. REPRS: <i>Zane D. [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 CONSTRUCTIONS JOB NO. 9402

DATE: 04/06/95

REPORT NO.: 133

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 59 MIN 73 MAX

DUST: None LEVEE CONDITION: Wet CANAL GAUGE: (2.9) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Wrecked East I-Wall Monolith #138. Cleaned oiled, and then set these Forms at East I-Wall Monoliths #136. Also set Reinforcing Steel at East Monolith #136 (top only). Placed Concrete at East I-Wall Monolith #136 today at 3:45 PM. Carpenters did minor repair work on one set of Forms, then cleaned & oiled these, to be ready for setting tomorrow at East Monolith #131. Cement Finishers patched & repaired East I-Wall Monoliths #137 and #140. Laborers built dams and pumped water out of work area. Also cleaned dirt and debris off of the public streets, & cut weeds down between the two fences. Operator unloaded Re-Steel delivered by LULICH STEEL today. Covered East I-Wall Monolith #138 with Burlene Blankets, and wet down this Monolith as well as East Monoliths #140 and #135.

GILL'S CRANE SERVICE - High tide flooded the Excavation making Sheet Piling work impossible today.

ARCADIA REBAR - No work performed due to high water in the work area.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	Yes	5	5	No
Komatsu D37P Dozer	-	Yes	2	6	No
Kubota 151 Excavator	-	No	0	8	No
Case 580 Backhoe	-	Yes	2	6	No
Koehring 535 Crane	-	No	0	8	No
MKT Vibro Hammer	-	No	0	8	No
Fiat-Allis MotorGrader	-	No	0	8	No
Mantis 3612 Crane	-	Yes	8	2	No
JSW Excavator	-	No	0	8	No
Welding Machine	-	No	0	8	No

MATERIALS RECEIVED

Received Reinforcing Steel from LULICH STEEL COMPANY for the next 18 Monoliths on the East Bank. Unloaded this material at East Bank Station 119+50. Test Reports accompanied this delivery and were furnished to Inspector Zane Bryant.

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED  
(Including results and actions taken)

Inspected the Reinforced Concrete Floodwall work done today. LMN Form #1246 was completed prior to placement, and no deficiencies were noted. Placement methods were according to Contract Specifications. Hoppers with trimmie chutes were used to keep the vertical drop of the Concrete less than 5'. Trimmie chutes were shortened as the pour progressed. A vibrator was used to completely consolidate the Concrete. (each lift was approximately 18" thick).

TESTS PERFORMED  
(As required by plans/specifications)

DELTA TESTING performed the required Concrete tests on Mix #44 received from LAFARGE CONCRETE today. SLUMPS were recorded at 4 1/2" and 5"; AIR CONTENTS were recorded at 3.5% and 4.1%. I contacted LAFARGE'S Quality Control Manager about the Entrained Air % being low. We will monitor this tomorrow and make corrections after that if needed.

CONTRACTOR/SUBCONTRACTORS AND  
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	75	E & K	Wrecking, repairing, cleaning, oiling, and setting I-Wall Forms; Placing Concrete at East I-Wall Monoliths; Unloading Re-Steel delivery; Curing and patching I-Wall Concrete. (See Page 1.)
7	Skilled	65	"	
1	Supt.	10	"	
1	Q.C.Rep.	8	"	
1	Skilled	1	GILL'S CRANE	Went home at 7:30 due to flooded work area.
2	Skilled	2	ARCADIA REBAR	Showed up - left due to flood water

JOB SAFETY

(Note inspection, violations/actions taken)


Checked scaffolds, handrails, & walkboards on I-Wall Forms. All boards were in good condition, and secured properly. Ladders were also in good shape, and tied off at the top to the scaffold.

REMARKS

(Instructions received, miscellaneous remarks)

We are requesting 50% Lost Production for today due to the high tide in the Canal. The work area was flooded, and placement of Concrete at East I-Wall Monolith #133 was delayed until 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.

  
 \_\_\_\_\_  
 Authorized Q C Representative

04/07/95

Date