

A0006560
A0006555

TFG FILES INVENTORY
DATE: 12-15-05

Box Number: 49285541
Alternate Number: 15
Other Identification: LN191

Contents Associated With:

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

A0006555
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**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
166 **A-0006560**

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

DATE
Friday
28 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

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

TEMPERATURE	
MINIMUM	MAXIMUM
78°	98°

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

24 HOUR PRECIPITATION	
INCHES	ENDING
0.00"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

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

Canal RIVER STAGE	
FEET	TIME
1.20'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-20½ hrs	14-125 hrs	6-62 hrs	22-207½

NUMBER OF SHIFTS

		<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	
FROM	TO	FROM	TO	FROM	TO
0700 M	1800 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) Wrecked forms from W. Mono #136 & #139; Set forms and placed concrete for W. Monos #134 and #139; Placed slab between WB/L Sta's 106+60 & 107+20; Welded #6 rebars to tops of new sheet piles between W. Monos #128 thru #131.
- b) Drove 18 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 77+50.20 & 77+82.70.
- c) Set bottom steel for W. Monos #132, #134 & #137, and top steel for W. Monos #134 & #137.

Days of no work and reasons for same:

50% of days lost due to adverse weather on 10 & 14 July 95.

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

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

DATE SET FOR COMPLETION: 04 MAY 96 PERCENT PROJECT COMPLETE: 34.8%
PERCENT TIME ELAPSED: 55.2%

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: Checked surfaces of W. Monos #136 & #139 after forms were removed, and noted no major surface defects. Observed finisher patching tie rod holes with dry-pack mortar on W. Monos #136 & #139. Performed Pre-Placement Inspections on W. Monos #134 & #137 this date (see attached LMN Form 1246's). Observed placement of concrete for W. Monos #134 & #137 this date. Concrete not being allowed to drop more than 5', is being placed in lifts of less than 18", and is being well vibrated. Spare vibrator on site. Witnessed B&K sampling and testing concrete being used this date (see attached Concrete Field Data Sheet for test results). Noted #6 rebars welded to tops of all sheet piles for W. Monos #128 thru #131 for cathodic protection. Checked formed area for stab slab between WB/L Sta's 106+50 & 107+20, and found it graded to accept +4" of concrete, with a top elev. of +2.95'. Observed placement of stab slab between WB/L Sta's 106+60 & 107+20.

STEEL SHEET PILES: Observed subcontr. (Gill) driving 18 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 77+50.20 & 77+82.70 to a top elev. of +5.75' as required. Observed contr. correcting previously driven piles that were out of alignment.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

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

NONE

CONTROVERSIAL MATTERS IN DETAIL

NONE

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

NONE

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

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

GOVERNMENT PERSONNEL ON SITE

NAMES	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	9 hrs.	QAR
J. AVETTANT	Cosnt. Insp., GS-04	7 hrs.	QAR

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

Checked and found anti-two blocking device working properly on the Mantis 3612 Crane this date.

No safety infractions were noted this date.

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

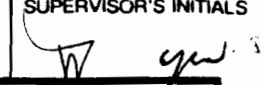
INSPECTOR'S SIGNATURE


ZANE D. BRYANT

DATE

31 July 95

SUPERVISOR'S INITIALS



DATE

8/3/95

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

QAR# 166

DATE Fri. - 28 July 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

RESTEEL INSTALLATION: Observed rod-busters setting and tying all required resteel for the bottom sections of West Monos #132, #134 and #137 this date. Also observed them setting pre-tied resteel mats for the top sections of W. Monos #134 & #137 this date. All resteel was tie at 100% and 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

FOR CHECK OUT FOR STRUCTURES REINFORC. CONCRETE FLOODWALL

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

MONOLITH West # 134 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 7-28-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JMD	7-28	2:45	ZAB	7-28-95	1500 1240
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	7-28	2:45	ZAB	7-28-95	1500 1240
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JMD	7-28	2:50	ZAB	7-28-95	1505
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JMD	7-28	2:55	ZAB	7-28-95	1510
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	7-28	2:55	ZAB	7-28-95	1510		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	7-28	3:00	ZAB	7-28-95	1515		
G. SAFETY (LIST)	Jmj	7-28	3:00	ZAB	7-28-95	1515		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	7-28	3:05	ZAB	7-28-95	1515		
Exp. Material	NONE THIS POUR	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1515	2				
Conc. Bucket	1	1.0 cu.	1515	2				
Conc. Vibrator	1	18' whip	1515	2				
J. REMARKS	SLUMP = 3 3/4" ; AIR ENTR. = 5.6% ; CONCRETE TEMPS = 88° ; AIR TEMPS = 94° ; 3 Test Cylinders (LA-65)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jemy M. Justice				C.O.E. REPRS: ZAB				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

FO CHECK OUT FOR

 STRUCTURE 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

LIFT NO.

ELEVATION

DATE OF POUR

West # 137

ONE

from 3.00 to 14.40

7-28-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	7-28	12:30	ZAB	7-28-95	1240
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	7-28	12:30	ZAB	7-28-95	1240
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	7-28	12:35	ZAB	7-28-95	1240
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	7-28	12:40	ZAB	7-28-95	1245
CONDITION	✓	"	"	✓	✓	✓

ITEM	UNINSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.					
	NAME	DATE	TIME	NAME	DATE	TIME			
E. FORMWORK (CONT)									
ALIGNMENT	Jmg	7-28	12:40	ZAB	7-28-95	1245			
CLEANLINESS	✓	"	"	✓	✓	✓			
RELEASING AGENT	✓	"	"	✓	✓	✓			
TIES AND BOLTS	✓	"	"	✓	✓	✓			
LENGTH 28.85'	✓	"	"	✓	✓	✓			
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓			
HEIGHT 11.40	✓	"	"	✓	✓	✓			
WATERSTOPS	✓	"	"	✓	✓	✓			
CHAMFER STRIPS	✓	"	"	✓	✓	✓			
F. WEATHER PROTECTION	Jmg	7-28	12:45	ZAB	7-28-95	1250			
G. SAFETY (LIST)	Jmg	7-28	12:45	ZAB	7-28-95	1250			
1. Eye Protection	✓	"	"	✓	✓	✓			
2. Rigging Check	✓	"	"	✓	✓	✓			
3. Ladder + Scaffold	✓	"	"	✓	✓	✓			
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	7-28	12:45	—	—	—			
Exp. Material	✓	"	"						
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS	
Komatsu 200	1	Excavator	1315	1.5					
Conc. Bucket	1	1.0 c.y.	"	"					
Conc. Vibrator	1	18' whip	"	"					
J. REMARKS	SLUMP = 2 1/2" ; AIR ENTR. = 5.8% ; CONCRETE TEMPS = 88° ;								
	AIR TEMPS = 97° ; 3 Test Cylinders (LA-65)								
	FINAL CLEARANCE								
CONTRACTOR REPRS:				C.O.E. REPRS:					
Jerry M. Justice				Zachary B. [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: 7/28/95

REPORT NO.: 213

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 78 MIN 98 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.2) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Wrecked West I-wall monolith forms at # 136 and #139. Set I-wall forms at West Monoliths # 134 and #137, then placed concrete at West Monoliths # 134 and #137 today. Welded #6 rebar on top of CZ-101 sheet piling for cathodic protection at West I-wall monoliths #131, #130, #129, and #128. Formed up stabilization slab and poured concrete on the west bank from sta. 107+20 to sta. 106+60 (Land Side Only). Laborers worked on silt fences on the East Bank (Mirabeau to Filmore)

Arcadia Rebar - Tied reinforcing steel at West I-wall monoliths # 134, #137, and #132 (bottom steel), and at West Monoliths # 134 and #137 (top steel). Also pre-tied two more mats of steel for future placement at I-wall stems.

Gill's Crane Service - Drove new CZ-101 sheet piling on the East Bank from B station 77+82.70 to station 77+50.20 (18 pieces at 21'-9" long each piece). Corrected alignment on sheets driven on 7-26-95.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	55	B+K Const.	Wrecking and setting I-Wall forms;
9	skilled	90	"	Forming + Pouring I-wall Concrete;
1	Supt.	10.5	"	Welding #6 Rebar for Cathodic Protection;
1	Q.C. Rep	10	"	
3	skilled	21	Arcadia Rebar	Tying re-steel for I-Wall (See Locations Above)
2	skilled	14	Gill's Crane	Driving new CZ-101 sheet Piling
1	Unskilled	7	"	(See Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1		yes	5	5	—
Komatsu D37P Dozer		yes	2	6	—
Kubota 151 Excavator		yes	2	8	—
Case 580 Backhoe #1		yes	2	8	—
Koehring 535 Crane		yes	7	1	—
MKT Vibro Hammer		yes	7	1	—
Fiat-Allis MotorGrader		NO	0	8	—
Mantis 3612 Crane		yes	6	4	—
Komatsu Excavator 200 #2		yes	5	3	—
Welding Machine		yes	3	7	—
Case 580 Backhoe #2		yes	2	6	—
Koehring 405 Crane	Arr. 7-27	NO		0	8
Koehring 535 Crane	Arrived	NO		0	8

MATERIALS RECEIVED

Received 34 cubic yards of concrete from Lafarge today (mix #44-C) and placed this material in West F-Wall Monoliths #134 and #137. Delivery tickets were supplied to Inspector Zone Bryant complete with all necessary batch information.

TESTS PERFORMED

(As required by plans/specifications)

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

Delta Testing performed vibration monitoring adjacent to sheet pile driving operations on the East Bank today (± sta. 77+50). Results of these tests are furnished only to the Orleans levee Board.

QUALITY CONTROL REPORT
INSPECTIONS PERFORMED

Inspected the reinforcing steel set today on the West Bank at I-Wall Monoliths #134 and #137. Bottom steel was tied first, with #6 Vertical bent bars spaced at 12" on centers, except for at each end of the Monoliths where the first two spaces were 6" apart. Horizontal #5 bars were spaced at 9" on centers; 5 each face. Eight #5 bars at 5'-0" long were placed in between the #5 horizontals two each end, each face. #5 U-Bars were placed through sheet pile handling holes, and tied to re-steel on each face of the wall. Top re-steel was pre-tied on the levee, and then lifted into place with the crane. #5 Verticals were then tied to bttm steel #5 horizontals and #6 Verticals. Top re-steel was spaced at 12" on centers (#4 horizontals and #5 verticals both). #4 U-Bars were tied at the top of the wall at 24" on centers. #4 U-Bars down each end of the I-wall were tied at 12" on centers. Steel clearances were 2" to 3" at all points. 2 1/2" bar supports were used to maintain proper clearances.

JOB SAFETY

Checked scaffolds and ladders on the I-Wall forms today. Handrails and handrail posts were in place and in good condition. Toe boards were also in place on both forms. Walk-boards were in good condition, and were nailed down to prevent movement. Support brackets were secured to I-wall forms by bolts + Nuts.

REMARKS

We are watching the tropical weather in the Gulf of Mexico. Phone numbers and pager numbers are listed, and employees are on notice that work may be required this weekend.

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

Jerry Justice
Authorized Q C Representative

7-31-95
Date

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

DATE: 7-28-95

Pour Location West I-wall Monoliths #137 and #134.

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
271348	1:12	1:55	1.0°	15 GAL	2.5 ^x	89° 95°	5.8	3	1:30	9
271374	2:10	2:55	2.0°	10 GAL	3.5°	89° 95°	-	-	2:25	9
271386	2:52	3:56	3.5°	5 GAL	4.0°	87° 94°	-	-	3:10	9
271398	4:10	5:05	3.0°	5 GAL	3.75 ^x	88° 94°	5.6	-	4:20	

REMARKS: Test Cylinder Set # LA-⁶⁶~~65~~.

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

TECHNICIAN:
Steve Thome

MINUTES OF SAFETY MEETING

DATE: 7-28-95

TIME: 7:00 AM

PROJECT: London Ave. Canal Floodwall

MEETING CONDUCTED BY: Jerry Justice

PERSONS ATTENDING:

Dale J. Justice
 Mike Conner
 Larry J. Lee
 Bruce Jackson
 Brent Jones, Jr.

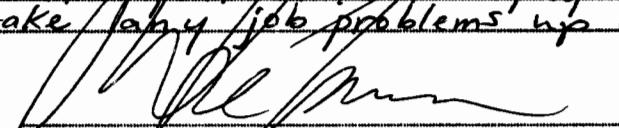
Bryan Verdun
 Robert DeLaurie Jr.
 Brian Kuyler
 B. M. M. M.
 Eric Bailey
 Willie Dillon
 Joe Leonard
 Craig Thibodeau

TOPICS DISCUSSED:

Discussed safe working procedures around electric feeder lines today. I described the locations of the feeder lines on the East and West Banks between Mirabeau Ave. and Pump. Sta. #4. I explained to employees the danger involved, and the serious nature of working around 4600 volts of power. The Sewerage & Water Board requires that we de-energize all electric feeders in the area we are working in, regardless of what type of work is being done. No work can start prior to de-energizing of feeders, and work must stop before the feeders are re-energized. Safety fence post driving is of special concern to me, as the buried feeder line FL432 is only 2' away from our safety fence. Workers were informed of this problem, and told not to drive any posts in this area without direction from the Supt. Mike Tassin.

COMMENTS:

I asked the employees to keep the foul language to a minimum, and not to shout at each other. Residences are only 20' to 30' away from our activities. Also, the hot weather makes it easier for tempers to flare up, and the jobsite is no place for arguing or fighting. Treat your fellow employees with respect, and take any job problems up with the Superintendent.


 CONTRACTOR'S SUPERINTENDENT

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER
165

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

DATE Thursday
27 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER
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 78°	MAXIMUM 97°

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

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

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

Canal	RIVER STAGE
FEET 1.10'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2- 19 hrs	SKILLED 11-97 hrs	LABORERS 5-44 hrs	TOTAL 18-160
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NUMBER OF SHIFTS

FROM		TO		FROM		TO		FROM		TO	
0700 M		1830M		M		M		M		M	

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

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

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

a) Wrecked forms from W. Mono #138; Set forms & placed concrete for W. Mono #136; Removed existing concrete caps between 108+10 and 109+25; Structural Excavation between EB/L Sta's 75+00 and 76+00; Installed cathodic protection jumpers between W. Monos #123 and #130; Plug-ged tie-rod holes in W. Mono #138; Curing

Days of no work and reasons for same:

50% of days lost due to adverse weather on 10 & 14 July 95.

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

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

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 34.5%
PERCENT TIME ELAPSED: 55.0%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

STRUCTURAL EXCAVATION: No instructions issued.

SELECTIVE DEMOLITION: No instructions issued.

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

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

REINFORCED CONCRETE FLOODWALL: Checked surfaces of West Mono #138 after forms were removed and noted no major surface defects. Observed finisher patching tie rod holes with dry-pack mortar as required on West Mono #138. Performed Per-Placement Inspection on West Mono #136, prior to placing concrete (see attached LMN Form 1246). Observed placement of concrete for West Mono #136. Noted concrete is not being allowed to drop more than 5', is being placed in lifts of less than 18", and is being well vibrated. Witnessed B&K performing required test and sampling on concrete being used this date (see attached Concrete Field Data Sheet for test results). Checked and found that B&K has properly installed cathodic protection jumpers between West Mono #123 and #130 this date, approx. 8" below proposed new I-Wall bottom elevation. Noted that jumpers were properly coated with Roysten Handicap Resin. Noted that B&K and set pre-tied wall stem mats for West Mono #136 this date (due to Acradia not being on site). Noted that curing is being performed on West Mono #138, #139, #140, #141, #142, #143, #145 and #147 with wet burlene blankets.

(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: B&K Moved 1-Koehring 405 Crane onto jobsite this date, in the vicinity of WB/L Sta. 70+60.

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
J. AVETTANT	Const. Insp., GS-04	6½ hrs.	QAR

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

Checked and found anti-flow back valves properly installed on oxygen/acetylene bottles being used this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  LANE D. BRYANT, JR.	DATE 31 July 95	SUPERVISOR'S INITIALS W J W	DATE 8/2/95
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QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 165

DATE: Thu. - 27 July 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

STRUCTURAL EXCAVATION: Noted that B&K performed structural excavation between EB/L Sta's 75+00 and 76+00, to a bottom elev. of approx. +2.60', by excavating a trench in the existing levee crown, approx. 6' wide, beginning on the L/S of the existing sheet piles and proceeding toward the landside. The excavated material was used to widen the existing levee crown for access.

SELECTIVE DEMOLITION: Noted that B&K has cut-off the existing sheet piles at approx. elev. +6.75', between WB/L Sta's 108+45 and 109+25, and removed the existing concrete cap between approx. WB/L Sta's 108+10 and 109+25. The existing cap is still in place between WB/L Sta's 108+10 and 108+45 but is ready to be removed.


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

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE


ZANE D. BRYANT, JR.
Inspector's Signature

FO CHECK OUT FOR

 STRUCTURES REINFORC.

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave

CONTRACT NO.

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

DACW29-94-C-0079

MONOLITH

LIFT NO.

ELEVATION

DATE OF POUR

WEST # 136

ONE

from 3.00' to 14.40'

27 JULY 95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	7-27	12:00	ZJB	7-27-95	12:10
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	7-27	12:00	ZJB	7-27-95	12:10
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	7-27	12:05	ZJB	7-27-95	12:15
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	7-27	12:10	ZJB	7-27-95	12:20
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	7-27	12:10	ZJB	7-27-95	1220		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	7-27	12:15	ZJB	7-27-95	1220		
G. SAFETY (LIST)	JmJ	7-27	12:15	ZJB	7-27-95	1225		
1. Ladder & Scaffolds	✓	"	"	✓	✓	✓		
2. Eye Protection	✓	"	"					
3. Rigging Check	✓	"	"					
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	7-27	12:15	—	—	—		
Exp. Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	12:40	1.5				
Concrete Bucket	1	1.0 cu yd	"	"				
Concrete Vibrator	1	18' whip	"	"				
J. REMARKS	SLUMP = 2 3/4" + 3" ; AIR ENTR. = 5.0% + 5.4% ; CONCRETE TEMPS = 89° + 88° ; AIR TEMPS = 95° + 97° ; 3 Test Cylinders (LA-64)							
FINAL CLEARANCE								
CONTRACTOR REPRS: JmJ M Justice				C.O.E. REPRS: ZJB				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

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

DATE: 7/27/95

REPORT NO.: 212

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

DUST: Minimal / LEVEE CONDITION: Dry CANAL GAUGE: (1.1) NOISE: Moderate

WORK PERFORMED/LOCATION

- ① B+K Construction - Wrecked I-wall forms at west Mono. #138. Cleaned, oiled, and set these forms at west Mono. #136. Poured concrete at west Monolith #136 today. Set forms for stabilization slab and placed concrete in these forms from West B sta. 108+40 to Sta. 107+20. Installed bond cables for cathodic protection at West Monolith Joints #130-129, #129-128, #128-127, #127-126, #126-125, #125-124, and #124-123. Performed structural excavation on the East Bank between Sta. 76+00 and Sta. 75+00. Operator strung sheets out for Gill's Crane Service on the East Bank. Demolished existing concrete floodwall from West B Station 109+25 to station 108+45. Survey crew cross-sectioned remaining areas as requested by H.B. Kenyon. BTK personnel had to set top steel at west Mono. #136 in the absence of Arcadia Rebar.
- ② Gill's Crane Service - Moved a Koehring 405 crane onto the jobsite (for BTK Construction) on the West Bank at Thirabeau Avenue. No other work performed.
- ③ Arcadia Rebar - Did not show up again today.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	44	B+K Const.	wrecking & setting I-Wall forms; setting
9	skilled	93	"	stab. slab forms; pouring concrete
1	Supt.	8.5	"	I-Wall and stab. slab; structural
1	a.c. Rep.	10.5	"	excavation; Demolition of exist. floodwall; Cathodic protection bond cable installation
				(see ABOVE)
2	Skilled	4	Gill's Crane	Mobilizing a crane for BTK Construction on the West Bank.
0	men	0	Arcadia Rebar	Did not show up today.

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	—	yes	3	5	—
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	4	4	—
Komatsu 200 Exc. #2	—	yes	5	3	—
Welding Machine	—	NO	0	8	—
Case 580 Backhoe #2	—	yes	1	7	—
Koehring 405 Crane	Arrived	NO	0	8	—

MATERIALS RECEIVED

Received 17 cu. yards of concrete from Lafarge today (mix #44-C) and placed this material in West I-Wall Monolith #136. Also received 9 cu. yards of mix #44-C later today from Lafarge, and placed this material in West Bank stabilization slab between Sta. 108+40 and Sta. 107+20.

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction tested and inspected concrete received from Lafarge today. Test results are documented on the attached Concrete Field Data Summary Sheet. Test cylinders molded today will be delivered to the Corps of Engineers Lab tomorrow.

QUALITY CONTROL REPORT
INSPECTIONS PERFORMED

I inspected the cathodic protection bond cables installed today on the west Bank at I-wall Monolith Joints # 130-129 through # 124-123. Materials used were Kalas mfg. Co. 110 Cathodic Protection Cable, Erico Products Cadwelds, and Royston Handy-Caps (Epoxy Coatings). The cables were installed at each monolith joint; the ends of the cable cadwelded to the sheet piling on either side of the Monolith, approximately 4" to 5" below bottom of the stabilization slab (elevation 2.25). Epoxy caps were placed over the exposed portion of the wire, against each sheet pile connection point. Wires were checked to insure that they were securely attached before backfilling with existing soil.

Also inspected the concrete stabilization slab formed and poured today. Top of slab was elev. 2.95; btm. of slab was ± elev. 2.60. No portion of the slab was less than 4" in thickness, and no standing water was present in the excavation. Width of the slab was 5'-0"; 2'-8" from E to the Land Side, and 2'-4" to the Canal Side. Two x four forms were set on each side of the slab to proper grade, and at the end of the slab to make a square joint.

JOB SAFETY

Checked workers for steel toes and hard hats today on the levee. All employees were wearing proper head protection and safety boots.

Made sure that employees had plenty of water and 10-K thirst quencher to beat the heat today. Also instructed them of the seriousness of heat exhaustion and heat stroke.

REMARKS

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

Jerry Justice
Authorized Q C Representative

7-28-95
Date

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

DATE: 7-27-95

Pour Location West I-Wall Monolith # 136 and
West Bank Stabilization Slab-station 108+40 to 107+

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
271072	12:25	1:20	1.0°	20 Gal.	2.75 ^x	89° 95°	5.0	3	12:50	9
271090	1:38	2:20	2.0°	12 Gal.	3.0 ^x	88° 97°	5.4	—	1:55	8
271109	3:25	4:25	1.5°	20 Gal.	4.0°	89° 96°	—	—	3:30	9

REMARKS: Test Cylinder Set # LA-65.

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

TECHNICIAN:
Steve Thorne

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

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER
164

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

DATE Wednesday
26 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

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

TEMPERATURE	
MINIMUM 78°	MAXIMUM 97°

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 2-4 hrs	OFFICE	LAYOUT	INSPECTION 2-18 hrs	TOTAL 4-22 hrs	LABOR
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Canal RIVER STAGE	
FEET 1.20'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-18 hrs	SKILLED 14-130 hrs	LABORERS 6-56 hrs	TOTAL 22-204
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NUMBER OF SHIFTS 1 2 3

FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; 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) Wrecked forms from W. Mono #141; Set forms & placed concrete for W. Mono #139; Patched tie rod holes in W. Mono #141; Curing; Placed concrete for stab slab, WB/L Sta's 108+40 to 108+95; Excavated for I-Wall, EB/L Sta's 76+00 to 76+75.
- b) Drove 18 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 77+82.70 to 78+15.15.
- c) Tied bottom steel for W. Monos #136 & #139, and top steel for W. Mono #139.

Days of no work and reasons for same:

50% of days lost due to adverse weather on 10 & 14 July 95.

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

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

DATE SET FOR COMPLETION: 04 May 96 PERCENT PROJECT COMPLETE: 34.3%
PERCENT TIME ELAPSED: 54.9%

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.
 - 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: Checked surfaces of West Mono #141 after forms were removed, and noted no major surface defects. Observed finisher plugging tie-rod holes with dry-pack mortar on West Mono #141 this date. Performed a Pre-Placement Inspection on West Mono #139 prior to placing concrete (see attached LMN Form 1246). Observed placement of concrete for West Mono #139 this date. Concrete not being allowed to drop more than 5', is being placed in lifts of less than 18", and is being well vibrated. Witnessed sampling and testing of concrete being used this date, by B&K (see attached Concrete Field Data Sheet for test results). Checked area formed for stabilization slab between WB/L Sta's 108+40 and 108+95, and noted that top of forms were set at elev. +3.0', and inside of forms were graded to accept +4.0" of concrete. Observed placement of concrete for stab slab between WB/L Sta's 108+40 and 108+95. Noted that B&K had cut 2½" holes in bottom of sheet piles approx. 2½" above the stab slab for the installation of resteel in the bottom section of West Mono #136.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

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

QAR, Z. Bryant issued Mr. M. Tassin CQC Rep. for B&K Const. Co., Inc. a written "Notice of Contract Deficeincy" this date, pertaining to the finishing of the surfaces of newly placed concrete I-Walls. A copy of the written deficiency is attached to this QA Report.

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
D. DUHON	Suprv. Civ. Engr., GS-12	2 hrs.	SCE
C. WAGNER	Civ. Engr., GS-11	2 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	9 hrs.	QAR
J. AVETTANT	Cosnt. Insp., GS-04	7 hrs.	QAR

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

Checked and found all personnel on site to be wearing hard hats and safety shoes as required. No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

Zane D. Bryant
ZANE D. BRYANT, TR.

DATE

28 July 95

SUPERVISOR'S INITIALS

W YW

DATE

8/2/95

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

QAR# 164

DATE Wed. - 26 July 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

STRUCTURAL EXCAVATION: Checked and found that B&K has performed structural excavation to a bottom elev. of approx. +2.60', between approx. EB/L Sta's 76+00 and 76+75, in the crown of the existing levee approx. 5' wide on the L/S of the existing floodwall. This excavated material was used to widen the existing levee crown for access.

STEEL SHEET PILES: Subcontractor (Gill) drove approx. 18 pcs of CZ-101 X 21'-9" steel sheet piles this date, between approx. EB/L Sta's 77+82.70 and 78+15.15, to a top elev of +5.75', except for the 4 piles at proposed monolith joints where these piles were driven to a top elev. of +5.00' as required. Noted that several of the piles driven late on 7/25/95 and some of the piles driven this AM, were driven out of proper alignment and out side of the tolerance. CQC Rep. J. Justice caught this error and immediately informed subcontractor to correct this problem. Subcontractor immediately began correcting the piles that were out of alignment, by extracting them and rediving them on the proper alignment.

RESTEEL INSTALLATION: Observed subcontractor (Arcadia) setting and tying all required resteel for the bottom sections of West Monos #136 and #139, and all the required re-steel of the wall stem section of West Mono #139. All resteel was tied at 100%, and was set and spaced in accordance with approved shop drawings. Arcadia also pre-tied 2 sets of wall stem mats for future placement.

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

NOTICE OF CONTRACT DEFICIENCY

JOB DEFICIENCY NO.

001

SAME SUBJECT DEFICIENCY NO.

001

CONTRACTOR:

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

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

LOCATION:

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

DEFICIENCIES NOTED:

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

REQUIRED CORRECTIVE ACTION:

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

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

DATE

NAME

ZANE D. BRYANT, JR.

ISSUED TO: MICHAEL TASSIN

TITLE

QUALITY ASSURANCE REP.

DATE ISSUED:

26 July 95

TIME ISSUED:

1530 hrs.

FO. CHECK OUT FOR

 STRUCTURE 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

WEST #139

ONE

from 3.00 to 14.40

26 JULY 95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	7-26	12:00	ZRB	7-26-95	1210
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	7-26	12:00	ZRB	7-26-95	1210
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	7-26	12:05	ZRB	7-26-95	1215
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	7-26	12:10	ZRB	7-26-95	1220
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	<i>JmJ</i>	7-26	12:10	<i>ZAB</i>	7-26-95	1220
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.85'	✓	"	"			
WIDTH 1.75'-1.00'	✓	"	"			
HEIGHT 11.40'	✓	"	"			
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	<i>JmJ</i>	7-26	12:15	<i>ZAB</i>	7-26-95	1225
G. SAFETY (LIST)	<i>JmJ</i>	7-26	12:15	<i>ZAB</i>	7-26-95	1225
1. Ladder	✓	"	"			
2. Scaffold	✓	"	"			
3. Eye Protection	✓	"	"			
H. OTHER CHECKS PER SPECIFIC JOB	<i>JmJ</i>	7-24	12:20	<i>ZAB</i>	7-26-95	1225
EXPANSION MATERIAL		"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
KOMATSU 200 EXCAVATOR	1	Trackhoe	1230	2.5				
CONCRETE BUCKET	1	1.0 c.y.	"	"				
VIBRATOR	1	18' whip	"	"				

J. REMARKS SLUMP = 4 1/2" + 4" ; AIR ENTR. = 6.0% + 5.8% ; CONCRETE TEMPS = 88° + 87° ;

AIR TEMPS = 92° + 92° ; 3 Test Cylinders (LA-64)

FINAL CLEARANCE

CONTRACTOR REPRS: *Jerry M. Justice* C.O.E. REPRS: *James R. [Signature]*

INSTRUCTIONS

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

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Checked entire job on both east + west sides and found most of the deficient items that were noted have been corrected. Grass had been cut using a farm tractor + bush hog. Safety + silt fence repaired where needed + damaged burlap replaced. However, the vertical surfaces of the F-well monoliths still had not been finished + repaired including the fractured fin area.

Instructions to COC/Remarks: Informed Supt Mike Tassin that LMU Form "Notice of Contract Deficiency" would be issued for failing to comply with finishing requirements in a timely manner.

Churf Wagner Proj Engr
Name Title

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

DATE: 7/26/95

REPORT NO.: 211

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

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.2) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Wrecked west monolith #141 I-Wall forms then cleaned oiled and set these forms at West Monolith #139. Poured concrete at West Mono. #139 today. Set stabilization slab forms and poured concrete seal slab between West B Sta. 108+95 and Sta. 108+40. Burned holes for #6 rebar to pass through CZ-101 sheet piles at West Monolith #136. Added another 3' strip of silt fence geotextile to the safety fence above the original geotextile, and added braces to keep the fence from failing (East Bank Sta. 78+00 through Sta. 73+00 ±). Performed structural excavation on the East Bank between Sta. 76+75 to Sta. 76+00. Unloaded reinforcing steel for the next 18 I-wall Monoliths on the West Bank from Lulich Steel Company today.

Arcadia Rebar - Tied reinforcing steel at West I-Wall Monoliths #136 and #139 (bottom steel only) and at West Mono. #139 (top steel). Also pre-tied two more top re-steel mats for future placement in I-wall stems.

Gill's Crane Service - Drove new CZ-101 sheet piles on the East Bank from Sta. 78+15.15 to Sta. 77+82.79 (18 pcs. at 21'-9" Long each piece.)

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	49	B+K Const.	Wrecking + setting I-wall forms;
9	Skilled	95	"	Setting slab, Slab forms; Pouring
1	Supt.	9	"	concrete I-wall + slab. Slab;
1	Q.C. Rep.	9	"	Structural excavation;
3	Skilled	21	Arcadia Rebar	Tying reinforcing steel for I-Wall (See Above)
2	skilled	14	Gill's Crane	Driving new CZ-101 sheet piles
1	Unskilled	7	"	(See Above)

QUALITY CONTROL REPORT
EQUIPMENT

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

MATERIALS RECEIVED

Received 17 cu. yards of Concrete (mix #44-c) for West Monolith #139, and 6 cu. yards of Concrete (mix #44-c) for West Bank Stabilization slab (station 108+95 to station 108+40).

Received Reinforcing steel for the next 18 I-wall Monoliths on the West Bank between Robert E. Lee Blvd. and Prentiss Ave. today. Unloaded this material and strung it out along the West Bank Levee land side slope.

TESTS PERFORMED

(As required by plans/specifications)

BTK Construction tested and inspected Concrete delivered by Lafarge Conc. Co. today. Slumps, Air Contents, temperatures, and other information was documented on the "Concrete Field Data Summary" sheet.

Delta Testing performed vibration monitoring adjacent to sheet piling work on the East Bank (\pm Sta. 78+00). Results are being furnished only to the Orleans Levee Board.

QUALITY CONTROL REPORT
INSPECTIONS PERFORMED

I inspected the CZ-101 sheet piles driven today and yesterday on the East Bank (± Sta. 79+12 to Sta. 77+82). Alignment of some of these sheets was found to be out of tolerance (approx. 0.30' to 0.40' too far west). The problem appeared to be caused by the driving template moving over to the canal side during pile driving operations. These sheets will be pulled and re-driven to the correct alignment (this work was started today, but not all sheets have been corrected yet).

All interlocks were fully engaged; cut off elevation and plumbness were correct, however these items will have to be checked again after alignment is corrected.

Inspected the stabilization slab work done today. The soil was excavated to yield a 4" to 5" thick slab. Laser level was used to set 2x4 forms (top of slab elev. = +2.95). Width of the slab was 2'-8" from center to the land side, and 2'-4" towards the canal side from center. No water was present in the excavated area when concrete was placed.

JOB SAFETY

Replaced worn wire rope sling on the swivel hook being used to lift CZ-101 sheet pile stacks today. The safety latch was also replaced on the swivel hook itself, as the original latch was missing.

REMARKS

BTK Construction received a deficiency today from the US Army Corps of Engineers Project Inspector Zane Bryant for failure to immediately finish all concrete surfaces on completed I-wall monoliths (fill all voids, chip all protruding concrete, patch and repair any such defective concrete areas). See Contract spec. Section C3D-12.2. Supt. Mike Tassin will comply to the fullest extent of his authority to do so.

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

Jerry M. Justice
Authorized QC Representative

7-27-95

Date

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

DATE: 7-26-95

Pour Location West I-wall Monolith #139

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
270911	12:13	1:12	1.0°	30 gal.	4.5 ^x	88° 92°	6.0	3	12:40	9
270938	1:53	2:54	2.5°	10 gal.	4.0 ^x	87° 92°	5.8	-	2:20	8
270965	4:00	4:55	1.0°	20 gal.	4.0°	87° 90°	-	-	4:30	6

REMARKS: Test Cylinder Set # LA-64.

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

TECHNICIAN:
Steve Thome

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER
163

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

DATE Tuesday
25 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER
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 77°	MAXIMUM 96°

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 1-10 hrs	TOTAL 1-10 hrs	LABOR
-------------	--------	--------	------------------------	-------------------	-------

FEET	TIME
1.10'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-20 hrs	10-100 hrs	6-60 hrs	18-180

NUMBER OF SHIFTS

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

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL
- 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) Wrecked forms from W. Mono #143; Set forms & placed concrete for W. Mono #141; Set forms & placed concrete for stab slab between WB/L Sta's 108+95 & 110+20; Curing I-Walls; Set top resteel for W. Mono #141; Cut grass on project; Housekeeping.
- b) Stuck & drove 54 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 78+15.15 & 79+12.55.

Days of no work and reasons for same:

50% of days lost due to adverse weather on 10 & 14 July 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. Arcadia did not show up for work this date. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 34.1%
PERCENT TIME ELAPSED: 54.7%

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 surfaces of West Mono #143 after forms were removed and noted no major surface defects. Performed a Pre-Placement Inspection on West Monos #141 prior to placing concrete (see attached LMN Form 1246). Observed placement of concrete for West Mono #143 this date. Noted concrete not being allowed to drop more than 5' by use of trimmies, concrete is being placed in lifts of less than 18", and concrete is being well vibrated (spare vibrator on-site). Witnessed sampling and testing of concrete by B&K this date (see attached Concrete Field Data Sheet for test results). Observed finisher patching tie-rods holes in West Mono #143 after forms were removed using a dry-pack mortar. Checked formed area for stab slab between WB/L Sta's 108+95 and 110+20, and found this area graded to accept +4.0" of concrete as required. Observed placement of concrete for stab slab between WB/L Sta's 108+95 and 110+20. Noted that West Monos #138, #140, #141, #142, #143, #144, #145, #146, #147, #149 and #151 were covered with wetted burlene this date for curing as required. Noted that B&K had set pre-tied wall stem resteel mats for West Mono #141 this date.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

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

NONE

CONTROVERSIAL MATTERS IN DETAIL.

NONE

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

NOTE: Noted that B&K has begun removing trash & debris from jobsite as required, repairing safety/silt fences throughout jobsite, and has begun cutting grass within the jobsite ROW and in the staging areas. All burlene being used for curing of I-Walls have been replaced. CQC Rep. is attempting to turn-in his CQC Reports by 1000 hrs as required, his reports are being turned in between 1000 hrs and 1200 hrs. (see Verbal Instructions on QAR #158, 7/18/95) Contractor also hired another finisher for finishing I-Walls.

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	9 hrs.	QAR

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

Checked and found shackles being used to lift I-Wall forms this date, were in very good condition (no cracks or distortion).

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 26 July 95	SUPERVISOR'S INITIALS 4/you	DATE 7/31/95
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QUALITY ASSURANCE REPORT SUPPLEMENT
CONTRACT NO.: DACW29-94-C-0079

QAR# 163

DATE Tue. - 25 July 95

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

STEEL SHEET PILES: Observed subcontractor sticking and driving approx. 54 pcs of CZ-101 X21'09" piles between EB/L Sta's 78+15.15 and 79+12.55, to a top elev. of +5.75' except for the 4 piles at each proposed monolith joint that were driven to a top elev. of +5.00' as required. Noted that several of the piles were driven out of tolerance this date, and contractor was notified. This will be corrected.

ENVIRONMENTAL PROTECTION: Observed contractor removing trash and debris from jobsite this date. All trash and debris is being deposited in trash containers.

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

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE


ZANE D. BRYANT, JR.
Inspector's Signature

FO CHECK OUT FOR

 STRUCTURES REINFORC.

CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave

CONTRACT NO.

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

DACW29-94-C-0079

MONOLITH

LIFT NO.

ELEVATION

DATE OF POUR

West # 141

ONE

from 3.00 to 14.40

7-25-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	7-25	11:15	ZAB	7-25-95	1130
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmD	7-25	11:15	ZAB	7-25-95	1130
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	7-25	11:20	ZAB	7-25-95	1130
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	7-25	11:25	ZAB	7-25-95	1135
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmg	7-25	11:25	ZJB	7-25-95	1135		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.85'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmg	7-25	11:30	ZJB	7-25-95	1140		
G. SAFETY (LIST)	Jmg	7-25	11:30	ZJB	7-25-95	1140		
1. Safety Glasses	✓	"	"	✓	✓	✓		
2. Rigging	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	7-25	11:30	ZJB	7-25-95	1140		
Exp. material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1145	2				
Concrete Vibrator	1	18' whip	"	"				
Concrete Bucket	1	1.0 c.y.	"	"				
J. REMARKS	SLUMP = 4.0" ; AIR ENTR. = 6.2% ; CONCRETE TEMPS = 89° ; AIR TEMPS = 92° ; 3 Test Cylinders (LA-63) 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: 7/25/95

REPORT NO.: 210

SKIES: Pt. Cloudy

RAIN: 0

IN. TEMP.: 77° MIN 96° MAX

DUST: Minimal

LEVEE CONDITION: Dry

CANAL GAUGE: (1.1)

NOISE: Moderate

WORK PERFORMED/LOCATION

- ① B+K Construction - wrecked forms at west I-wall Monolith #143, cleaned, oiled, and set these forms at West Monolith #141. Poured concrete at West Mono. #141 today. Set stabilization slab forms from west B Sta. 109+25 to Sta. 108+95, then poured concrete stabilization slab between west B Sta. 110+20 and Sta. 109+95. Cement finisher patched tie-bolt holes, finished I-wall and stab. slab concrete. Laborers cut grass & weeds with string-trimmers along fences East & West Banks - not completed yet. A tractor & bush-hog were rented and used to cut grass & weeds on levee crown, East & West Banks, and at the Pratt Drive Staging Area. Operator & laborers cleaned up trash and misc. debris along the West Bank between Robert E. Lee Blvd. and Prentiss. Surveyor established grades for sheet piling, stabilization slab and I-wall work. B+K Construction set steel at West Mono. #141 (top only) as Arcadia was not here.
- ② Gill's Crane Service - Drove new C2-101 Sheet piles on the East Bank from B Station 79+12.55 to Sta. 78+15.15 (54 pieces at 21'-9" long each piece)
- ③ Arcadia Rebar - Did not show up again today.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	52	B+K Const.	Wrecking & setting I-wall forms; setting
8	Skilled	84	"	stabilization slab forms; Pouring I-wall
1	Supt.	10	"	and stab. slab concrete;
1	QC. Rep.	10	"	
2	Skilled	16	Gill's Crane	Driving C2-101 Sheet Piles
1	Unskilled	8	"	(See Locations Above)
0	Men	0	Arcadia Rebar	Reinforcing Steel

QUALITY CONTROL REPORT
EQUIPMENT

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

MATERIALS RECEIVED

Received 17 cubic yards of concrete from Lafarge Concrete Company (Mix #44-C) and placed this material in West T-wall monolith #141 today. Also received 8 cubic yards of concrete (Mix #44-C) and placed this material in stabilization slab on the West Bank between station 110+20 and 108+95. Concrete delivery tickets were furnished to the Government Inspector today.

TESTS PERFORMED

(As required by plans/specifications)

BTK Construction tested and inspected concrete (mix #44-C) delivered by Lafarge Concrete Company today. Results of these tests are documented on the BTK Construction "Concrete Field Data Summary" sheet. Three test cylinders were molded, and will be delivered to the Government Lab tomorrow.

Delta Testing performed vibration monitoring on the East Bank adjacent to sheet pile work today (± station 78+50). Results are being furnished to the Orleans Levee Board only.

QUALITY CONTROL REPORT
INSPECTIONS PERFORMED

In Reference to Verbal Instructions Received from
Insp. Zane Bryant on 7-18-95:

I inspected the fuel/oil storage area in the B&K yard on Pratt Drive today. The retaining dike has been repaired as required. All 55 gallon drums, whether full or empty, have been placed inside the dike as required. Inspection of burlene curing blankets revealed No torn or tattered material. Old burlene has been replaced with new material. These blankets completely cover concrete I-Wall surfaces on curing monoliths, and were wet upon my inspection. Inspection of silt fence on the West Bank between Sta. 102+00 and 119+00 showed that the failed areas of this fencing have been repaired, and additional bracing was added to prevent further fence failure. One deficient item remaining is the timely completion of Q.C. Daily Reporting. I am not able to complete this report each day before 10:00 AM along with my other duties; however I will continue to strive for this 10:00 AM deadline.

A second cement finisher was brought on this job today to begin catching up on concrete I-Wall patching + repairing work.

JOB SAFETY

Checked the reverse alarms on the Mantis Crane, Case 580 backhoe #1 and #2, and the Komatsu D-37 dozer. Each of these machines had a working back-up alarm onboard, that was clearly audible when ever the machine travelled in reverse direction.

REMARKS

All deficient items have been corrected, or are being actively addressed at this time (referring to the "Verbal Instructions Received" on the "Remarks" section of Q.C. Daily Report #204 (7-18-95). More manpower will be hired to keep these items caught up in the future.

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

Jerry Justice
Authorized Q C Representative

7-20-95
Date

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

DATE: 7-25-95

Pour Location West I-Wall Monolith #141

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CHPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
270745	11:40	12:15	2.5°	15 Gal.	4.0 ^x	89° 92°	6.2	3	12:00	9
270756	12:43	1:40	1.5°	20 Gal.	4.0 ^x	88° 95°	5.9	-	1:25	8
270776	3:15	4:55	3.0°	10 Gal.	4.5°	89° 92°	-	-	3:30	8

REMARKS: Test Cylinder Set # LA-63 .

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

TECHNICIAN:
Steve Thome

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

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER	162
DATE	Sat., Sun. & Mon. 22, 23 & 24 July 1995
CONTRACT NUMBER	DACW29-94-C-0079
WEATHER	Partly Cloudy & Hot to Cloudy & Hot w/rain

TO Area Engineer,
CELMN-CD-NO

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

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

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

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS				
STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
100 %	100 %	100 %	100 %	100 %

TEMPERATURE	
MINIMUM	MAXIMUM
77°	95°

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

24 HOUR PRECIPITATION	
INCHES	ENDING
7/24/95 0.30"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES					
SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
1-2 hrs			1-1½ hrs	2-13½ hrs	

Canal RIVER STAGE	
FEET	TIME
1.20'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES				NUMBER OF SHIFTS					
SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
2-20 hrs	13-119 hrs	6-86 hrs	21-225	0700 M	1830 M				

1 2 3

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

- CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY
- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; STRUCT. EXCAVATION; SELECTIVE DEMOLITION
 - b. Gill's Crane Service, Inc. - STEEL SHEET PILES
 - c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

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

- a) Set forms & placed concrete for W. Monos #138 & #143; Excavated for I-Walls between EB/L Sta's 76+75 & 77+50; Removed existing concrete caps between WB/L Sta's 109+25 & 110+05; Set forms for slab between WB/L Sta's 109+25 & 110+20.
- b) Stuck & Drove 44 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 79+12.55 and 79+91.95.
- c) Set & tied bottom steel for W. Monos #138 & #141, and top steel for W. Mono #138.

Days of no work and reasons for same:
50% of days lost due to adverse weather on 10 & 14 July 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 Reports. Note that B&K also work on Sat., 22 July 95.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 33.6%
PERCENT TIME ELAPSED: 54.5%

- CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:
- Attended the following CQC Inspection Phases on Mon., 24 July 95:
- REINFORCED CONCRETE FLOODWALL: See "Verbal Instructions" on back of this Report.
 - STRUCTURAL EXCAVATION: No instructions issued.
 - SELECTIVE DEMOLITIONS: 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 on Mon., 24 July 95:

REINFORCED CONCRETE FLOODWALL: Checked surfaces of West Mono #140 after forms were removed, and noted no major surface defects. Performed Pre-Placement Inspections on West Monos #138 & #143 this date, prior to placing concrete (see attached LMN Form 1246's). Witnessed placement of concrete this date in above mentioned monoliths. Noted that concrete was not allowed to drop more than 5', was placed in lifts of less than 18", and is being well vibrated. Witness sampling and testing being performed by B&K this date, on concrete being used for I-Wall Monolith construction (see attached Concrete Field Data Sheet for test results). Observed the setting of forms for the stabilization slabs between WB/L Sta's 109+25 and 110+20, noted that tops of forms were set at elev. +3.00', and area inside of forms were graded to accept 4" of concrete as required. Noted that West Monos #140, #142, #144, #145, #146, #147, #148, #149, #151 and #153 were all covered with wetted burlene for curing as requires.

STRUCTURAL EXCAVATION: Noted that B&K has excavated a trench approx. 6' wide in the existing levee crown between approx. EB/L Sta's 76+75 and 77+50, to a bottom elev. of +2.60' for I-Wall construction. Excavated material was used to widen the existing levee crown for access. (CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

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

NONE

CONTROVERSIAL MATTERS IN DETAIL.

NONE

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

NONE

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



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

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
C. WAGNER	Civ. Engr., GS-11	2 hrs. (Mon)	PE
Z. BRYANT	Const. Insp., GS-07	10½ hrs. (Mon)	QAR

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

NOTE: Mr. L. Lee received a minor injury to his right leg just above the ankle, on Monday, 24 July 95, when a steel spreader beam rolled over onto the side of this ankle. However, this is not a loss time accident. Mr. Lee is still at work.

Checked slings being used to hoist concrete bucket this date, and noted that both slings were in very good condition.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 25 July 95	SUPERVISOR'S INITIALS 	DATE 7/31/95
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QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 162

DATE 22, 23 & 24 July 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

SELECTIVE DEMOLITION: Observed the removal of the existing concrete cap from the existing sheet piles, between WB/L Sta's 109+25 and 110+05, by cutting off the existing sheet piles at approx. elev. +6.75', and placing the concrete caps on the F/S of the existing sheet piles. The concrete caps will be hauled off of the jobsite at a later date. The existing sheet piles were cut off at elev. +6.75' and is being used for the temporary flood protection in this area.

STEEL SHEET PILES: Observed subcontractor (Gill) stabbing and driving 44 pcs of CZ-101 X 21'-9" piles between approx. EB/L Sta's 79+12.55 and 79+92.95, to a top elev. of +5.75', except for the 4 piles at each proposed monolith joint that were driven to a top elev. of +5.00' as required. Using a 6' level and contractor's transit, checked and found all piles driven this date, to be plumb and on proper alignment.

RESTEEL INSTALLATION: Checked and found that subcontractor (Arcadia) has properly installed all required resteel for the bottom sections of West Monos #138 and #141 this date, and also for the wall stem section of West Mono #138. All resteel was tied at 100%, and spaced 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

FO. CHECK OUT FOR

 STRUCTURE 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

West # 143

ONE

from 3.00 to 14.40

7-24-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	7-24	8:15	ZAB	7-24-95	0830
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	7-24	8:15	ZAB	7-24-95	0830
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	7-24	8:20	ZAB	7-24-95	0830
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	7-24	8:25	ZAB	7-24-95	0835
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	7-24	8:25	ZAB	7-24-95	0835		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	7-24	8:30	ZAB	7-24-95	0840		
G. SAFETY (LIST)	JmJ	7-24	8:30	ZAB	7-24-95	0840		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	7-24	8:30	ZAB	7-24-95	0840		
Expansion Material		"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	9:20	1.5				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' whip	"	"				
J. REMARKS	SLUMP = 3 3/4" ; AIR ENTR. = 6.0% ; CONCRETE TEMPS = 86° ;							
	AIR TEMPS = 92° ; 3 Test Cylinders (LA-62)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice				C.O.E. REPRS: Zull			
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

FO CHECK OUT FOR STRUCTURE REINFORC

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

West # 138

ONE

from 3.00 to 14.40

7-24-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	7-24	2:50	ZJB	7-24-95	1450
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	7-24	2:50	ZJB	7-24-95	1450
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	7-24	2:55	ZJB	7-24-95	1450
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	7-24	3:00	ZJB	7-24-95	1455
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	7-24	3:00	ZAB	7-24-95	1455		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	7-24	3:05	ZAB	7-24-95	1500		
G. SAFETY (LIST)	Jmj	7-24	3:05	ZAB	7-24-95	1500		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Scaffold & Ladder	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	7-24	3:05	—	—	—		
Exp. Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1550	2				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' whip	"	"				
J. REMARKS	SLUMP = 3.5" ; AIR ENTR. = 5.7% ; CONCRETE TEMPS = 85° ; AIR TEMPS = 93° ; 3 Test Cylinders (LA-62)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jmj				C.O.E. REPRS: ZAB				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results:

Checked driving of sheet piling on east bank near Sta. 80+00. Templates used to properly align sheaths + interlocks were fully engaged. Checked concrete placement for mono # 143 + observed concrete being well vibrated during placement. Also checked that buelars had been wet for curing of previously placed walls. Flagmen being used to stop traffic when concrete trucks are backed down to forms.

Instructions to COC/Remarks:

N/A

Chief Wagner Proj Engr
Name Title

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

DATE: 7 12/4 95

REPORT NO.: 209

SKIES: ^{A.M.} Pt. Cloudy - ^{P.M.} Rain

RAIN: 0.30 IN.

TEMP.: 77 MIN 95 MAX

DUST: Minimal

LEVEE CONDITION: ^{AM - PM} Dry-Wet CANAL GAUGE: (1.2) NOISE: Moderate

7-23-95 Sunday - NO WORK TODAY.

WORK PERFORMED/LOCATION

7-24-95 Monday

B+K Construction - Wrecked West I-wall Monolith #140. Set forms at West I-wall Monolith #138. Placed concrete at West Monoliths #143 and #138 today. Stabilization slab was formed up between Sta. 110+20 and Sta. 109+25; Rain showers stopped concrete from being poured in these slab forms today. Demolished existing concrete floodwall cap from West Bank Station 110+05 to Station 109+25. Performed structural excavation on the East Bank between Sta. 77+50 and Sta. 76+75.

Arcadia Rebar - Tied bottom reinforcing steel on the West Bank at I-wall Monoliths #138 and #141 (bottom steel only), and set top steel mats at Monolith #138. Also pre-tied 2 more mats of steel for I-wall stems.

Gill's Crane Service - Drove new C2-101 Sheet Piles on the East Bank from Sta. 79+91.25 to Sta. 79+12.55 (44 pieces at 21'-9" long each piece)

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	78	B+K Const.	Wrecking + Setting I-wall forms;
8	Skilled	54	"	Placing finishing + curing I-wall
1	Supt.	11	"	concrete; Demolishing existing floodwall;
1	O.C. Rep	9	"	Structural excavation; Forming stabilization
				slab. (see Locations Above)
3	Skilled	21	Arcadia Rebar	Tying re-steel for I-wall.
				(see Above)
2	Skilled	16	Gill's Crane	Driving C2-101 Sheet Piles for
1	Unskilled	8		I-wall. (see Above)

QUALITY CONTROL REPORT
EQUIPMENT

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

MATERIALS RECEIVED

Received 34 cubic yards of concrete from Lafarge today (mix #44-C), and placed 17 c.y. of this material in West I-wall Monolith #143 and 17 c.y. in West I-wall Monolith #138. Delivery tickets were furnished to the Project Inspector.

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction performed concrete testing and inspection on Ready-mix Concrete (mix #44-C) delivered by Lafarge Concrete Company today. Find results attached on the Concrete Field Data Summary sheet. Three test cylinders molded today will be delivered to the Government Lab on Wednesday, 7-26-75.

Delta Testing technician monitored vibrations caused by sheet pile driving today on the East Bank (\pm Station 79+50). Results are being furnished to the Orleans Levee Board only.

QUALITY CONTROL REPORT
INSPECTIONS PERFORMED

Inspected the reinforced concrete I-wall work done today on the west bank at Monoliths #143 and #138. Form condition was acceptable, surfaces were scraped clean and oiled prior to being set in place. Forms were aligned at bottom using 2.5' o/s lines, then the tops were adjusted to be plumb using turnbuckle braces. Top of wall elevation was +14.42 (Land Side) and +14.40 (Canal Side). Carpenters measured up 9.92' from the control mark at +4.50 to mark the top grade on the Land side. Then they measured down 0.02' using a hand level to mark grade on the Canal Side. Reinforcing steel was checked for proper size, spacing, number of bars, and clearances. No deficiencies were observed upon inspection. Waterstop was installed correctly, as was the 3/4" Chamfer strip and 1/2" expansion material. The Form prepour checklist was completed as required (LMN Form #1246). Carpenters checked width of wall at top of form, and checked alignment at end of concrete pour. Minor adjustments were made at this time to bring the width and alignment within the 1/4" tolerances.

JOB SAFETY

Checked the Rigging on the Concrete bucket today. Slings + shackles were in like-New condition. Checked scaffolds on I-wall forms. Some minor repairs were needed to hand-rails and toe-boards. Nails were added to secure handrail posts and toe-boards.

REMARKS

Stabilization Slab poured on 7-18-95 between West Bank station 111+15 and 110+20 was accidentally omitted from the Q.C. Daily Report #204.

* An employee (Larry Lee) sustained a minor leg injury today when a steel spreader beam shifted and laid over on top of his lower leg. Accident Report to follow A.S.A.P.

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

Jerry Justice
Authorized Q C Representative

7-25-95
Date

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

DATE: 7-24-95

Pour Location West I-Wall Monoliths #143 + #138.

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CHPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
270628	8:55	9:50	0°	47 Gal	4.0°	87°/92°	-	-	9:30	9
270636	9:43	10:55	2.0°	10 Gal	3.75 ^x	86°/92°	6.0	3	10:10	8
270676	3:43	4:25	1.0°	25 Gal	3.50 ^x	85°/93°	5.7	-	4:10	9
270680	4:52	6:10	2.0°	15 Gal	4.0°	87°/89°	-	-	5:30	8

REMARKS: Test Cylinder Set # LA-62 .

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

TECHNICIAN:
Steve Thome

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	Needs Repair
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	-
Komatsu Excavator #2	-	NO	0	8	-
Welding Machine	-	NO	0	8	-
Case 580 Backhoe #2	-	NO	0	8	-

MATERIALS RECEIVED

None Received Today

TESTS PERFORMED

(As required by plans/specifications)

NONE PERFORMED TODAY

QUALITY CONTROL REPORT
INSPECTIONS PERFORMED

Checked the condition of the concrete at West Mono. #145 after forms were wrecked today. No honeycombs were found, only small air bubbled holes existed. Some form lines were evident - these will have to be chipped and patched by the cement finishers before applying paint. Fractured fin was in good shape. Concrete was straight and plumb.

JOB SAFETY

Checked the scaffold on the I-wall form at West Monolith #140. No toe-boards were in place on this form. The carpenter foreman said that he would have this corrected before using the scaffold to pour I-wall concrete again (by Monday).

REMARKS

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

Jerry Justice
Authorized Q C Representative

7-24-95
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

TO Area Engineer, CELMN-CD-NO					COPY TO: C/Const. Div. CELMN-CD					REPORT NUMBER 161	
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					DATE Friday 21 July 1995	
CONTRACTOR (Or hired labor) B & K Construction Company, Inc. 1905 Highway 59, Mandeville, La. 70448					WEATHER Partly Cloudy & Hot					TEMPERATURE	
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS										MINIMUM 77°	
STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %						MAXIMUM 95°	
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 Trace	
NUMBER OF GOVERNMENT EMPLOYEES					Canal RIVER STAGE					ENDING 0730 M	
SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-10 hrs	TOTAL 1-10 hrs	LABOR		FEET 1.20'		TIME 0800 M		
NUMBER OF CONTRACTOR'S EMPLOYEES				NUMBER OF SHIFTS				<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3			
SUPERVISORY 2-20 hrs	SKILLED 12-98 hrs	LABORERS 6-56 hrs	TOTAL 20-174	FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO 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; SELECTIVE DEMOLITION
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

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

- a) Wrecked forms from W. Monos #142 & #147; Set forms & placed concrete for W. Monos #140 & #145; Removed existing concrete caps between WB/L Sta's 110+05 & 110+45; Patched tie-rod holes in W. Monos #142 & #147; Welded #6 rebars to tops of sheet piles between W. Monos #132 & #135.
- b) Stuck & Drove 10 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 79+91.95 & 80+10.05
- c) Set & Tied bottom resteel for W. Monos #143 & #145.

Days of no work and reasons for same:

50% of days lost due to adverse weather on 10 & 14 July 95.

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

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

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 33.1%
PERCENT TIME ELAPSED: 54.1%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

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

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

The following Initial Inspection was performed this date:

SELECTIVE DEMOLITION: Attended the initial inspection on this phase of work with CQC Rep., J. Justice. The existing concrete capped floodwall has been removed between WB/L Sta's 110+50 and 119+68, by cutting off the existing sheet piles at approx. elev. +6.75' for temporary flood protection. The existing concrete caps were placed on the floodside of the existing sheet piles, and will be removed from the site at a later date. See attached minutes for complete details of this inspection.

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

REINFORCED CONCRETE FLOODWALL: Checked surfaces of W. Monos #142 & #147 after forms were removed and noted no major surface defects. Noted finisher has patched tie-rod holes in W. Monos #142 & #147 this date. Performed Pre-Placement Inspections on W. Monos #140 & #145 prior to placement of concrete (see attached LMN Form 1246's). Observed placement of concrete this date. Concrete was not allowed to drop more than 5', was placed in lifts of less than 18", and was well vibrated. Witnessed B&K sampling and testing concrete being used this date (see attached Concrete Field Data Sheet for test results).
(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

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

NONE

CONTROVERSIAL MATTERS IN DETAIL:

NONE

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

NOTE: Contractor properly stored all oxygen and acetylene bottles in the Staging Area this date.

NOTE: Subcontractor (Gill) had shut-down prior to being notified by CQC Reps that the Feeder Lines needed to be re-energized, because they needed some work performed on the V-5 vibratory hammer this date. The re-energizing of the feeder lines did not effect their work 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	Cosnt. Insp., GS-07	9 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 oxygen and acetylene bottles properly stored and secured in the Staging Area this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 24 July 95	SUPERVISOR'S INITIALS 	DATE 7/31/95
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QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 161

DATE: Fri. - 21 July 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

REINFORCED CONCRETE FLOODWALL: Checked and found that #6 rebars were welded to the tops of all sheet piles for cathodic protection, between West Monos #132 and #135. Noted curing was being performed on West Monos #142, #144, #146, #147, #148, #149, #151 and #153 this date, with wetted burlene blankets. Burlene was kept wet throughout the day. Checked top elev. of chamfer strips on forms for West Monos #140 & #145 this date, and found them to be set at elev. +14.42' on the L/S and +14.40' on the F/S.

STEEL SHEET PILES: Subcontractor (Gill) stuck and drove 10 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 79+91.95 and 80+10.05, to a top elev. of +5.75'. All piles were driven plumb and on proper alignment.

SELECTIVE DEMOLITION: Observed B&K removing the existing concrete cap from the existing sheet piles between approx. WB/L Sta's 110+05 and 110+45, by cutting off the existing sheet piles at elev. +6.75' (as required for temporary flood protection). The existing cap was then placed on the F/S of the existing sheet piles, and will be removed from site at a later date.

RESTEEL INSTALLATION: Observed Arcadia personnel setting and tying all required re-steel for the bottom sections of West Monos #143 and #145, and B&K setting is pre-tied wall stem mats for the top sections of West Monos #140 & #145 this date. Checked and found all resteel properly installed and tied 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 B. BRYANT, JR.
Inspector's Signature

~ DACW29-94-C-007 ~

London Avenue Outfall Canal Floodwall
B+K Construction Company
Initial Inspection of Selective Demolition
(Removal of Existing Concrete Floodwall)
7-21-95

An initial inspection was conducted today on the completed portion of "Selective Demolition" work on this project. Present for this inspection were Q.C. Representative for B+K Construction Jerry Justice, and Project Inspector for the U.S. Army Corps of Engineers Lane Bryant. The required 24 hour notice was given to Mr. Bryant on 7-20-95.

The area inspected was on the west Bank between station 119+60 and station 110+50. The existing concrete floodwall had been removed between these station numbers, and was now stored on the Canal side of the existing sheet piles in 40' lengths. These 40' sections must still be broken up and hauled off of the jobsite.

The demolition of existing floodwall was accomplished by cutting off existing sheet piles at elevation +6.75 with a torch. The sheets at each end of the 40' sections were left uncut, until the Komatsu 200 excavator pushed against the Land side of the concrete cap to keep it from falling

on the Land Side of the existing sheet piles. Then the remaining sheet piles were cut, and the Komatsu 200 pushed the 40' section of concrete floodwall over to fall on the Canal side. The Komatsu 200 then straightened up the 40' section of fallen floodwall, to keep the work area neat.

The existing sheet piles remaining (at +6.75 and below) will be cut off at 6" below fin. grade (or driven down to 6" below fin. grade) at a later date. The concrete cap will be hauled to Pont. Materials Corporation, then crushed and recycled. Rebar and sheet pile pieces will be sold for scrap.

Inspector Zane Bryant stated that he was satisfied with the work inspected today. Mr. Justice said that B + K Construction plans to continue with these same methods of demolition through west $\frac{1}{2}$ Sta. 102+00. With all matters covered, the inspection was concluded.

Jerry Justice
Quality Control Representative
B + K Construction Company

FOR CHECK OUT FOR

 STRUCTURES REINFORC

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

West # 145

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

7-21-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	7-21	12:00	ZAB	7-21-95	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	7-21	12:00	ZAB	7-21-95	12:15
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	7-21	12:05	ZAB	7-21-95	12:20
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	7-21	12:10	ZAB	7-21-95	12:25
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmg	7-21	12:10	ZJB	7-21-95	1225		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.85'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmg	7-21	12:15	ZJB	7-21-95	1230		
G. SAFETY (LIST)	Jmg	7-21	12:15	ZJB	7-21-95	1230		
1. Eye Protection	✓		"	✓	✓	✓		
2. Rubber Gloves	✓		"	✓	✓	✓		
3. Ladder + Scaffold	✓		"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	7-21	12:20	ZJB	7-21-95	1230		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1250	2				
Concrete Bucket	1	1.0 c.y.	1250	2				
Concrete Vibrator	1	18' whip	1250	2				
J. REMARKS	SLUMP = 3.5" ; AIR ENTR. = 6.0% ; CONCRETE TEMPS = 88° ; AIR TEMPS = 94° ; 3 Test Cylinders (LA-61) FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice				C.O.E. REPRS: ZJB			
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

FOR CHECK OUT FOR

STRUCTURES
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO.
 DACW29-94-C-0079

MONOLITH
 West# 140

LIFT NO.
 ONE

ELEVATION
 from 3.00 to 14.40

DATE OF POUR
 7-21-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	7-21	2:50	ZAB	7-21-95	1500
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmd	7-21	2:50	ZAB	7-21-95	1500
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	7-21	2:55	ZAB	7-21-95	1505
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	7-21	3:00	ZAB	7-21-95	1510
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	7-21	3:00	ZAB	7-21-95	1510		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	7-21	3:05	ZAB	7-21-95	1515		
G. SAFETY (LIST)	Jmj	7-21	3:05	ZAB	7-21-95	1515		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	7-21	3:10	—	—	—		
Exp. Material	None This Pour	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1525	2				
Concrete Bucket	1	1.0 c.y.	1525	2				
Concrete Vibrator	1	18' whip	1525	2				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.87% ; CONCRETE TEMPS = 89° ; AIR TEMPS = 92° ; 3 Test Cylinders (LA-61)							
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: 7/21/95

REPORT NO.: 207

SKIES: Pt. Cloudy - Thunder RAIN: Trace IN. TEMP.: 77 MIN 95 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.2) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Wrecked forms at West Monoliths #147 and #142. Formed and poured concrete at West I-wall Monoliths #145 and #140 today. (B+K personnel set top re-steel on both of these walls, as Arcadia Rebar was not here.) Welded #6 rebar on top of C2-101 Sheet piling for cathodic protection at West I-wall Monoliths #135, #134, #133, and #132. Demolished existing floodwall from West B station 110+45 to station 110+5. Cement finisher patched tie-bolt holes at West Mono's #147 and #142. Laborers covered these walls with new burlene blankets and wet all curing monoliths down today. Carpenters built two bottle storage racks for oxygen + acetylene cylinders.

Arcadia Rebar - Tied bottom reinforcing steel at West Mono's #143 and #145. No other work performed. (On site for ± 1 hour A.M., and ± 1 hour P.M.)

Gill's Crane Service - Drove new C2-101 Sheet Piles 21'-9" Long from East B Sta. 80+10.95 to Sta. 79+91.95 (10 pieces at 21'-9" Long each piece). Feeder Lines #340 + #432 had to be re-energized by the S. + W. B. due to heavy rain South of our project (at approx. 11:00 AM). No further work was performed today.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	52	B+K Const.	Wrecking, forming, pouring,
8	Skilled	82	"	finishing + curing I-wall concrete;
1	Supt.	10	"	Welding rebar for cath. protection; Demolishing
1	QC. Rep.	10	"	existing concrete floodwall cap. (See Above)
2	skilled	4	Arcadia Rebar	Tying re-steel bottoms for I-wall (see Above)
2	skilled	12	Gill's Crane	Driving New C2-101 sheet piles
1	Unskilled	4		(See Above for Locations)

QUALITY CONTROL REPORT
EQUIPMENT

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

MATERIALS RECEIVED

Received 34 cubic yards of Mix #44-C Ready-mix concrete from Lafarge Conc. Co today. Placed half of this material in west I-Wall Monolith #145 and half in west I-Wall Monolith #140 today. Delivery tickets with all necessary batch info. were furnished to the Government Inspector today.

TESTS PERFORMED

(As required by plans/specifications)

B & K Construction performed concrete testing and inspection on Mix #44-C delivered by Lafarge today. Slumps, Air Content, temperatures, and other information are documented on the attached Concrete Field Data Summary. Three test cylinders were molded from today's concrete, and will be delivered to the Government Lab.

Delta Testing performed Vibration monitoring today on the East Bank, adjacent to sheet piling work. Results are only furnished to the Orleans Levee Board.

QUALITY CONTROL REPORT
INSPECTIONS PERFORMED

Inspected the curing of I-Wall concrete monoliths on the West Bank today. West Monoliths # 142, #144, #146, #147, #148, #149, #151, and #153 were covered with burlap and wet. Laborers wet down these walls and blankets at 7:30 AM, 11:00 AM, and 3:30 PM daily.

Also inspected the I-Wall work completed today. Form condition was fair, and form surfaces were cleaned and oiled prior to concrete placement. Chamfer strip was installed at all exposed corners of the concrete walls (3/4" fir). Waterstop was installed at each end of the walls. Expansion material (1/2" asphalt impregnated fiber board) was placed at each end of the completed concrete walls, then the fill in pours were made, sandwiching the fiber board between old concrete and fresh concrete. Reinforcing steel was installed with correct spacing, clearances, size and number of bars.

Alignment of I-Wall forms was correct within 1/4", using offset lines marked on the seal slab. Plumbness was correct within 1/4" as well. Top of wall elev. was +14.42 on Land side, and +14.40 on Canal side.

JOB SAFETY

Oxygen and acetylene bottles were stored upright today in storage racks, separated by a distance of 25'. Chains were used to hold cylinders securely. A fire extinguisher was mounted approx. 50' away from the storage area.

Checked exhausts on all BTK Const. equipment. No excessive noise or smoke/fumes were found.

REMARKS

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

Jerry Justice
Authorized Q C Representative

7-24-95
Date

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

DATE: 7-21-95

Pour Location West I-Wall Monolith # 145 + #140,

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
270428	12:30	1:30	4.5°	0	4.5°	88°/94°	-	-	1:00	9
270455	1:34	2:40	2.5°	5 Gal	3.5 ^x	88°/94°	6.0	3	1:50	8
270475	3:25	4:35	2.5°	10 Gal	4.0 ^x	89°/92°	5.8	-	4:05	9
270493	4:07	5:00	1.5°	20 Gal	4.0°	89°/92°	-	-	4:30	8

REMARKS: Test Cylinder Set # LA-61 .

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

TECHNICIAN:
Steve Thorne

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

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER
160

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

DATE
Thursday
20 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

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

TEMPERATURE	
MINIMUM	MAXIMUM
75°	95°

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

24 HOUR PRECIPITATION	
INCHES	ENDING
0.25"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
1-1 hr.			1-10 hrs	2-11 hrs	

FEET	TIME
1.50'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-17½ hrs	10-99 hrs	6-54 hrs	18-170½

NUMBER OF SHIFTS

FROM		TO		FROM		TO	
0700 M	1730 M						

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- 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) Wrecked forms from W. Monos #144 & #149; Set forms & placed concrete for W. Monos #142 & #147; Removed existing concrete caps between WB/L Sta's 110+45 & 110+85; Welded #6 bars to tops of sheet piles for cathodic protection between W. Monos #136 & #139; Burned holes in sheet piles for resteel installation for W. Monos #137 & #138; Curing.
- b) Drove 30 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 80+10.05 & 80+64.15.

Days of no work and reasons for same:

50% of days lost due to adverse weather on 10 & 14 July 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. Arcadia did not show up for work this date. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 32.9%
PERCENT TIME ELAPSED: 53.9%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

- Attended the following CQC Inspection Phases this date:
- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- SELECTIVE DEMOLITION: No instructions issued.
- STEEL SHEET PILES: No instructions issued.

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

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

REINFORCED CONCRETE FLOODWALL: Performed a visual inspection on the surfaces of West Monos #144 & #149 after forms were removed this date. Noted no major surface defects. Performed Pre-Placement Inspections on West Monos #142 & #147 prior to placing concrete (see attached LMN Form 1246's). Observed placement of concrete into forms for West Monos #142 & #147 this date. Concrete is not being allowed to fall more than 5', is being placed in lifts of less than 18", and is being well vibrated. Witnessed B&K taking samples (molds) and testing concrete being used this date (see attached Concrete Field Data Sheet for results). Noted that B&K set pre-tied wall stem resteel mats for West Monos #142 & #147 this date, due to Arcadia not being on-site. Observed B&K welding #6 rebars to the tops of sheet piles for cathodic protection, between West Monos #136 thru #139. Noted B&K had burned 2" holes in steel sheet piles for the installation of resteel, approx. 2½" above the slab for West Monos #137 & #138. Noted curing was being performed with wetted burlene blankets on West Monos #144, #146, #148, #149, #150, #151, #153 & #155. Carpenters began setting the F/S form for West Mono #140 this date. Finisher plugged tie-rod holes in W. Monos #144 & #149.
(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

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

NONE

CONTROVERSIAL MATTERS IN DETAIL

NONE

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

NOTE: To-Date contractor has replaced 5 of the 8 burlene blankets being used for curing of I-Wall Monoliths, due to rotting. Contractor also repaired damage to fuel tank containment dike in staging area, and placed a oil drums within the containment dike as required.

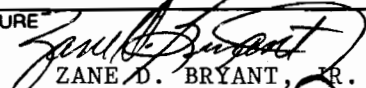
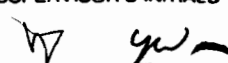
Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~not~~).

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>
C. WAGNER	Civ. Engr., GS-11	1 hr.	PE
Z. BRYANT	Const. Insp., GS-07	9 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 on all concrete trucks being used to deliver concrete this date. No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, TR.	DATE 21 July 95	SUPERVISOR'S INITIALS 	DATE 7/21/95
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QUALITY ASSURANCE REPORT SUPPLEMENT
CONTRACT NO.: DACW29-94-C-0079

QAR# 160

DATE: Thu. - 20 July 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

SELECTIVE DEMOLITION: Observed the removal of the existing concrete cap from the existing sheet piles, between WB/L Sta's 110+45 and 110+85, by cutting off the existing piles at approx. elev. +6.75' for temporary flood protection. The existing concrete cap was placed on the F/S of the existing sheet piles for removal at a later date.

STEEL SHEET PILES: Subcontractor (Gill) stuck and drove 30 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 80+10.05 and 80+64.15, to a top elev. of +5.75', except for the 4 piles at proposed monolith joints which were driven to a top elev. of +5.00' as required. Spot checked pile plumbness and alignment by using contractor's 6' level and transit. All piles were driven plumb within tolerance (1/8" per foot), and on good alignment. No damage was noted to any of the piles driven this date, and all interlocks were properly engaged.


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

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE


ZANE D. BRYANT, JR.
Inspector's Signature

FO CHECK OUT FOR

 STRUCTURE
 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
 West# 147

 LIFT NO.
 ONE

 ELEVATION
 from 3.00 to 14.40

 DATE OF POUR
 7-20-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	7-20	9:50	ZJB	7-20-95	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	JmJ	7-20	9:50	ZJB	7-20-95	0930
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	7-20	9:55	ZJB	7-20-95	0930
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	7-20	9:55	ZJB	7-20-95	0930
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	7-20	10:00	ZJB	7-20-95	0940		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	7-20	10:05	ZJB	7-20-95	0945		
G. SAFETY (LIST)	Jmj	7-20	10:05	ZJB	7-20-95	0945		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	7-20	10:05	ZJB	7-20-95	0945		
Exp. material		"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1030	1 1/2				
Conc. Bucket	1	1.0 cu	1030	1 1/2				
Conc. Vibrator	1	18' whip	1030	1 1/2				
J. REMARKS	SLUMP = 4" + 5" ; AIR ENTR. = 6.3% + 5.9% ; CONCRETE TEMPS = 86° + 87° ; AIR TEMPS = 90° + 92° ; 3 Test Cylinders (LA-60)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: [Signature]				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

FO CHECK OUT FOR STRUCTURES REINFORC.

CONCRETE FLOODWALL

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

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

LIFT NO.

ELEVATION

DATE OF POUR

West# 142

ONE

from 3.00 to 14.40

7-20-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	7-20	2:20	ZAB	7-20-95	1430
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	7-20	2:20	ZAB	7-20-95	1430
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	7-20	2:25	ZAB	7-20-95	1430
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	7-20	2:30	ZAB	7-20-95	1435
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	7-20	2:30	ZAB	7-20-95	1435		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	7-20	2:35	ZAB	7-20-95	1440		
G. SAFETY (LIST)	JmJ	7-20	2:35	ZAB	7-20-95	1440		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rubber Gloves	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	7-20	2:35	—	—	—		
Expansion Material	NONE This Pour	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1500	2				
Concrete Bucket	1	1.0 cu. y.	"	2				
Concrete Vibrator	1	18' whip	"	2				
J. REMARKS	* Same as West Monolith #147. SLUMP = * ; AIR ENTR. = * ; CONCRETE TEMPS = 86° + 88° ; AIR TEMPS = 94° + 94° ; 3 Test Cylinders (LA-60) FINAL CLEARANCE CONTRACTOR REPRS: Jerry M. Justice C.O.E. REPRS: [Signature] INSTRUCTIONS CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.							

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed concrete placement for Mon # 142. Line & grade established by surveyor prior to placement. Trammis being used to limit drop to less than 5' & concrete being vibrated for consolidation purposes. Witnessed personnel taking air & slump test. See attached report for results. Checked silt fence on east & west sides & found little had been done to repair deficient areas. Additional work required.

Instructions to COC/Remarks: Informed Supt. Mike Tassin & Jerry Justice that deficient items reported earlier must be corrected ASAP or a "deficiency" will be issued for unsatisfactory work.

Chris Wagner Proj Engr
Name Title

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

DATE: 7 120 95

REPORT NO.: 206

SKIES: Pt. Cloudy - Cloudy RAIN: 0.25 IN. TEMP.: 75 MIN 95 MAX

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

WORK PERFORMED/LOCATION

B+K Construction - Wrecked West I-wall Monoliths #149 and #144, cleaned, oiled, + set these forms at West Monoliths #147 and #142. Poured concrete at West I-wall Monoliths #147 and #142 today, set canal side form at West I-wall Monolith #140, to be poured tomorrow. B+K Const. Carpenters set top reinforcing steel at West Monoliths #147, #142, and #140 today, as Arcadia Rebar did not show up again. Also had to adjust btm. steel at West Monoliths #140 and #142 to get proper clearances. Demolished existing concrete floodwall from West B Sta. 110+85 to sta. 110+45. Operator moved C2-101 sheet piles into position for Gill's Crane Service on the East Bank between Mirabeau and Filmore. Burned holes in new C2-101 sheet piles for #6 rebar to pass through at West Monoliths #138 + #137. Welded #6 rebar on top of C2-101 sheet piling at West Monoliths #138, #137, and #136 for cathodic protection. Cement finisher patched tie-bolt holes on I-Wall Monoliths wrecked today.

Gill's Crane Service - Drove new C2-101 sheet piling on the East Bank from station 80+64.15 to station 80+10.05 (30 pieces at 21'-9" Long each piece). Work was delayed by Rain showers, and by the Sewerage + Water Board, as they had to re-energize FL340 and FL432 for a short time.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	46	B+K Const.	Wrecking, forming, + pouring
8	Skilled	83	"	concrete floodwall; demolishing
1	Supt.	10	"	existing conc. floodwall; Cathodic Prot.
1	Q.C. Rep.	7.5	"	#6 Bar; tying reinforcing steel; Patching I-wall concrete (See Above for locations)
2	Skilled	16	Gill's Crane	Driving C2-101 sheet piling
1	Unskilled	8	"	(See Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

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

MATERIALS RECEIVED

Received 34 cubic yards of Ready-mix concrete from Lafarge Conc. Co. today (Mix #44-C), and placed all of this material in West I-wall Monoliths #147 and #142 (17 cu. yards in each). Delivery tickets were furnished to the Project Inspector complete with all necessary batch information.

TESTS PERFORMED

(As required by plans/specifications)

B&K Construction performed concrete testing and inspection on mix #44-c delivered by "Lafarge" today. Results of these tests are attached to this report, on the Concrete Field Data Summary Sheet.

Delta Testing monitored vibrations caused by sheet piling work near East B station \checkmark 80+00 today. Results are being furnished to the Orleans Levee Board.

QUALITY CONTROL REPORT
INSPECTIONS PERFORMED

I inspected the reinforced concrete I-wall work done today. Forms were in fair condition, and were cleaned and oiled prior to use today. 3/4" chamfer strip was installed at all exposed corners. Waterstop was correctly installed at each end of the I-wall monoliths, extending from 3" above the bottom of concrete to 6" below the top of concrete wall. Expansion material (1/2" thickness) was installed correctly at each monolith joint, held securely in place with concrete nails against the end of previously poured I-wall monoliths.

Forms were aligned to the ϵ shown on the contract drawings, using 2.5' o/s lines established by survey crew at each end of each monolith. Plumbness was checked and found to be within 1/4" from top to bottom of I-wall ($\pm 11.4'$ tall). Top of I-wall elevation was +14.42 on the Land Side, and +14.40 on the Canal Side. Control elevation marks were set on the new CZ-101 Sheet piling at +4.50, and carpenters measured up 9.92' on the Land Side to set top of wall chamfer strip. Canal Side Chamfer Strip was set at 1/4" below the Land Side elevation.

LMN Form #1246 was completed prior to concrete placement.

JOB SAFETY

Inspected slings and hooks used to move sheet piling today. Broken strands were found on the short swivel choker that is shackled to the Komatsu 200 bucket. This will be replaced as soon as possible, however there is no danger of this wire rope sling failing at present.

Checked for oil, fuel, or grease contamination of levee soil. No such contamination was found today.

REMARKS

Fuel tank dike was repaired today. Oil drums were placed back inside the dike area today.

Silt fencing will be repaired starting tomorrow on the East Bank and West Bank.

* We plan to work Saturday 7-22-95, correcting some deficient items such as silt fencing, trash clean up, oxygen + acetylene bottle racks, grass + weed cutting, etc.

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

Jerry Justice
Authorized Q C Representative

7-21-95
Date

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

DATE: 7-20-95

Pour Location West I-Wall Monoliths #147 and #142

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CNPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
270159	10:15	11:15	3.0°	15 Gal	5.0 ^x	86° 90°	6-3	3	10:35	9
270190	11:05	11:46	2.0°	15 Gal	4.0 ^x	87° 92°	5.9	-	11:30	8
270267	3:00	3:35	2.0°	10 Gal	4.0°	86° 94°	-	-	3:40	9
270276	4:00	4:55	2.0°	10 Gal	4.0°	88° 94°	-	-	4:45	8

REMARKS: Test Cylinder Set # LA-60 .

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

TECHNICIAN: Steve Thome

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

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER
159

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

DATE Wednesday
19 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER
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 76°	MAXIMUM 96°

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 1-10 hrs	TOTAL 1-10 hrs	LABOR
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FEET 1.50'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS 1 2 3

SUPERVISORY 2-20½ hrs	SKILLED 13-115 hrs	LABORERS 6-52 hrs	TOTAL 21-187½	FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

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

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

- a) Wrecked forms from W. Monos #146 & #151; Set forms & placed concrete for W. Monos #144 & #149; Removed exist. concrete caps, WB/L Sta's 110+85 to 111+30; Burned holes for resteel in sheet piles for W. Monos #139 thru #141; Excavated for I-Wall, EB/L Sta's 77+50 to 78+25.
- b) Drove 42 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 80+64.15 and 81+39.70.
- c) Set bottom resteel for W. Monos #140 & #147, and top resteel for W. Monos #144 & #149.

Days of no work and reasons for same:

50% of days lost due to adverse weather on 10 & 14 July 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: 04 MAY 96

PERCENT PROJECT COMPLETE: 32.5%
PERCENT TIME ELAPSED: 53.8%

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.
- SELECTIVE DEMOLITION: No instructions issued.
- RESTEEL INSTALLATION: No instructions issued.
- STEEL SHEET PILES: No instructions issued.

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

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

REINFORCED CONCRETE FLOODWALL: Checked surfaces of new I-Wall West Monos #146 & #151 after forms were removed, noted no spalding, or major surface defects. Finisher packed tie-rod holes in West Monos #146 & #151 with dry-pack mortar this date. Performed Pre-Placement Inspections on West Monos #144 & #149 this date (see attached LMN Form 1246's). Observed placement of concrete for West Monos #144 & #149. Concrete was not allowed to drop more than 5', was placed in lifts of less than 18", and was well vibrated. Witnessed B&K sampling and testing concrete being used this date (see attached Concrete Field Data Sheet for results). Curing being performed on West Monos #146, #148, #150, #151, #153, #155 & #157 with wetted burlene. Noted B&K burned 2½" holes approx. 2½" above the stab slab, in the steel sheet piles for the installation of resteel for West Monos #139 thru #141.

STRUCTURAL EXCAVATION: Observed B&K excavating a trench approx. 6' wide in the existing levee crown (L/S of existing floodwall), between EB/L Sta's 77+50 & 78+25, to a bottom elev. of +2.60'. The excavated material was used to widen the levee crown as adjacent stations.

(CONTINUED ON ATTACHED QA SUPPLEMENTAL SHEET)

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

NONE

CONTROVERSIAL MATTERS IN DETAIL:

NONE

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

NOTE: Contractor replaced 2 of the 7 burlene blankets being used for curing this date. Will replace all burlene by Fri., 21 July 95.

NOTE: Contractor turned-in his Daily QC Report at 1000 hrs. this date.

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


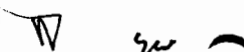
REMARKS (include visitors to project and miscellaneous remarks pertinent to work)

GOVERNMENT PERSONNEL ON SITE			
<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
Z. BRYANT	Cosnt. 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 hoisting cable being used on the Mantis 3612 Crane this date, is in very good condition, no frays, flattening or separating was noted.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 20 July 95	SUPERVISOR'S INITIALS 	DATE 7/26/95
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QUALITY ASSURANCE REPORT SUPPLEMENT
CONTRACT NO.: DACW29-94-C-0079

QAR# 159

DATE: Wed. - 19 July 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

SELECTIVE DEMOLITION: Observed B&K removing the existing concrete cap from the existing sheet piles, between WB/L Sta's 110+85 and 111+30, by cutting off the existing sheet piles at elev. +6.75' for temporary flood protection. The existing concrete cap was placed on the F/S of the existing sheet piles, and will be removed at a later date.

STEEL SHEET PILES: Observed subcontractor (Gill) stabbing and driving approx. 42 pcs of CZ-101 X 21'-9" piles, between EB/L Sta's 80+64.15 and 81+39.70, to an approx. top elev. of +5.75', except for the 4 piles at each proposed monolith joint that were driven to a top elev. of +5.00' as required. All piles were driven plumb (within tolerance) and on proper alignment. No deficiencies were noted.

RESTEEL INSTALLATION: Observed subcontractor (Arcadia) setting and tying all required bottom resteel for West Monos #140 & #147, and all required resteel for the wall stem sections of West Monos #144 & #149. All resteel was proper spaced and was tied at 100% in accordance with approved shop drawings.


QUALITY CONTROL: Contractor is providing adequate quality control this date. However, there is still room for improvement.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE


ZANE D. BRYANT, JR.
Inspector's Signature

FO CHECK OUT FOR

 STRUCTURES REINFORC.

CONCRETE FLOODWALL

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

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

LIFT NO.

ELEVATION

DATE OF POUR

West # 149

ONE

from 3.00 to 14.40

7-19-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	7-19	11:35	ZJB	7-19-95	1145
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmj	7-19	11:35	ZJB	7-19-95	1145
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	7-19	11:40	ZJB	7-19-95	1150
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	7-19	11:45	ZJB	7-19-95	1150
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	7-19	11:45	ZLB	7-19-95	1150
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.86'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmj	7-19	11:50	ZLB	7-19-95	1155
G. SAFETY (LIST)	Jmj	7-19	11:50	ZLB	7-19-95	1155
1. Eye Protection	✓	"	"	✓	✓	✓
2. Ladder + Scaffold	✓	"	"	✓	✓	✓
3. Rigging Check	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	7-19	11:50	ZLB	7-19-95	1155
Expansion Material	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1215	1.75				
Concrete Bucket	1	1.0 c.y.	1215	1.75				
Concrete Vibrator	1	18' whip	1215	1.75				

J. REMARKS
 SLUMP = 4" ; AIR ENTR. = 4.8% ; CONCRETE TEMPS = 88° ;
 AIR TEMPS = 91° ; 3 Test Cylinders (LA-59)
FINAL CLEARANCE

CONTRACTOR REPRS: *Jerry M. Justice* C.O.E. REPRS: *Zane L. 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.

FO CHECK OUT FOR

 STRUCTURE
 REINFORC. CONCRETE FLOODWALL

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

CONTRACT NO.

DACW29-94-C-0079

MONOLITH

West# 144

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

7-19-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	7-19	2:50	ZAB	7-19-95	1500
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	7-19	2:50	ZAB	7-19-95	1500
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	7-19	2:55	ZAB	7-19-95	1505
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	7-19	3:00	ZAB	7-19-95	1510
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	7-19	3:00	ZAB	7-19-95	1510		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	7-19	3:05	ZAB	7-19-95	1515		
G. SAFETY (LIST)	JmJ	7-19	3:05	ZAB	7-19-95	1515		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Scaffold & Ladder	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	7-19	3:10	—	—	—		
Expansion Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1525	1/2				
Concrete Bucket	1	1.0 c.y.	1525	1/2				
Concrete Vibrator	1	18' whip	1525	1/2				
J. REMARKS	SLUMP = 4 1/4" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 88° ; AIR TEMPS = 95° ; 3 Test Cylinders (LA-59)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: ZmB				
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: 7/19/95

REPORT NO.: 205

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

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

WORK PERFORMED/LOCATION

B+K Construction - wrecked I-wall forms at west Monoliths #146 and #151, Cleaned, oiled, and set these forms at West Monoliths #149 and #144, Poured concrete at West Monoliths #149 and #144 today. Set Canal Side form at West Mono. #142 (getting a headstart on tomorrow's work). Demolished existing concrete floodwall from West B Sta. 111+30 to Station 110+85. Burned holes in new CZ-101 sheet piles for rebar to pass through at West Monoliths #141, #140 and #139. Performed structural excavation on the East Bank from East B Sta. 78+2.5 to Sta. 77+50. Established offset lines, control elevations, and Monolith Joint layout on the West Bank

Gill's Crane Service - Drove new CZ-101 Sheet piling on the East Bank from Station 81+39.70 to Station 80+64.15 (42 pieces at 21'-9" Long each piece)

Arcadia Rebar - Tied reinforcing steel at West I-Wall Monoliths #140 and #147 (btm. steel only). Set top Re-steel mats at West Monoliths #149 and #144. Also pre-tied three more mats for future placement in I-Wall stems.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	48	B+K Const.	Reinforced Concrete Floodwall
8	Skilled	83	"	work; selective demolition; Structural
1	Supt	10	"	Excavation; Layout of Work.
1	Q.C. Rep	10.5	"	
(See Locations Above)				
2	Skilled	14	Gill's Crane	Driving new CZ-101 Sheet
1	Unskilled	4	"	Piles (See Locations Above)
3	Skilled	18	Arcadia Rebar	Tying Reinforcing steel for I-Wall (see Locations Above).

QUALITY CONTROL REPORT
EQUIPMENT

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

MATERIALS RECEIVED

Received 34 cubic yards of Ready-mix concrete (mix #44-c) from Lafarge Concrete Company today. Placed all of this material in West I-Wall Monoliths #149 and #144 today.

TESTS PERFORMED

(As required by plans/specifications)

B+K Const. performed concrete tests, inspection, and molded three test cylinders today from mix #44-c concrete delivered by Lafarge Conc. Co. Results of these tests are attached to this Report on the Concrete Field Data Summary sheet.

Delta Testing performed vibration monitoring tests on the East Bank adjacent to the sheet pile driving work today (± station 81+00). Results will be furnished to the Orleans Levee Board only.

QUALITY CONTROL REPORT
INSPECTIONS PERFORMED

Inspection of C2-101 sheet piles driven today revealed no deficiencies in material or workmanship. Monolith lengths were 28.87', plus or minus 0.10'. Alignment of sheets was within 0.15' of new I-wall \bar{c} . Cut off elev. was +5.75, plus or minus 0.10'. All interlocks were fully engaged. Plumbness of piles was within $\frac{1}{8}$ " per foot in both directions.

Inspected Reinforcing Steel work done on the West Bank I-wall monoliths today. #6 Vertical bent bars were spaced 12" apart (maximum) except at each end of each monolith, where the last two bars were spaced 6" apart. Horizontal #5 straight bars were spaced at 9" apart; horizontal #4 straight bars (stem portion of I-wall) were spaced 12" apart. U-Bars were installed at proper locations & spacing as well. All steel was 100% tied with black annealed tie wire (16 gauges). Bar supports were installed to keep uniform clearances from I-wall forms. The Re-steel was clean and wet down prior to concrete placement.

JOB SAFETY

Walkboards on the I-wall scaffolds were nailed down again, as some boards had come loose. Two handrail posts were replaced with new 2x4 material.

Rigging on concrete bucket was checked today. No defective parts or excessive wear was observed.

Laborer cleaned up trash & debris in the office compound.

REMARKS

New burlene was purchased today for curing I-wall concrete. New burlene blankets will be constructed and used to cover all I-wall monoliths for 7 day curing in the future. Existing burlene blankets will be taken out of service, due to dry rot, and torn spots.

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

Jerry Justice
Authorized Q C Representative

7-20-95
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

TO Area Engineer, CELMN-CD-NO					COPY TO: C/Const. Div. CELMN-CD					REPORT NUMBER 158		
PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal, Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.					DATE Tuesday 18 July 1995					CONTRACT NUMBER DACW29-94-C-0079		
CONTRACTOR (Or hired labor) B & K Construction Company, Inc. 1905 Highway 59, Mandeville, La. 70448					WEATHER Partly Cloudy & Hot							
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS										TEMPERATURE		
STRUCTURAL EXCAVATION 100%	BORROW EXCAVATION 100%	EMBANKMENT 100%	CONCRETE 100%	STRUCTURE 100%	MINIMUM 77°	MAXIMUM 98°						
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		M M			
NUMBER OF GOVERNMENT EMPLOYEES					Canal RIVER STAGE							
SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-10 hrs	TOTAL 1-10 hrs	LABOR	FEET 1.60'	TIME 0800					
NUMBER OF CONTRACTOR'S EMPLOYEES					NUMBER OF SHIFTS					<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
SUPERVISORY 2-10 hrs	SKILLED 13-120 hrs	LABORERS 6-55 hrs	TOTAL 21-195	FROM 0700M	TO 1730 M	FROM M	TO M	FROM M	TO 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; SELECTIVE DEMOLITION
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

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

- a) Set & placed concrete for W. Monos #146 & #151; Wrecked forms from W. Monos #148 & #153; Removed existing concrete caps between WB/L Sta's 111+30 & 112+10; Set forms, graded & placed concrete for stab slab between WB/L Sta's 110+20 & 111+15.
- b) Drove 50 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 81+39.70 & 82+30.15.
- c) Set bottom resteel for W. Monos #142, #144, #149 & #151, and top resteel for #146 and #151.

Days of no work and reasons for same:

50% of days lost due to adverse weather/high tides on 10 and 14 July 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. See attached CQC Report.

DATE SET FOR COMPLETION: 04 May 96 PERCENT PROJECT COMPLETE: 32.0%
PERCENT TIME ELAPSED: 53.6%

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.
 - SELECTIVE DEMOLITION: No instructions issued.
 - RESTEEL INSTALLATION: No instructions issued.
 - STEEL SHEET PILES: No instructions issued.

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

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

REINFORCED CONCRETE FLOODWALL: Performed Pre-Placement Inspections on West Monos #146 & #151 prior to placing concrete (see attached LMN Form 1246's). Observed placement of concrete this date. Noted concrete is being placed in lifts of less than 18", not being allowed to drop more than 5', and is being well vibrated. Witnessed sampling & testing of concrete by B&K this date (see attached Concrete Field Data Sheet for results). Noted that B&K is falling behind in finishing the surfaces & fractured fins on the new I-Walls (see verbal instructions). Also noted that burlene being used for curing of I-Walls are beginning to show wear, informed CQC Rep's these are in need of repair or replacement (see verbal instructions). Curing is being performed on West Monos #148, #150, #152, #153, #155, #157 & #164 with wetted burlene.

SELECTIVE DEMOLITION/TEMPORARY FLOOD PROTECTION: Observed the removal of the existing concrete caps between WB/L Sta's 111+30 and 112+10, by cutting off the existing sheet piles at approx. elev. +6.75' for temporary flood protection. The concrete cap was placed on the F/S of the existing sheet piles and will be removed from site at a later date.

(CONTINUED ON ATTACHED QA SUPPLEMENT SHEET)

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

QAR, Z. Bryant issued the following verbal instructions to CQC Rep's M. Tassin and J. Justice this date: 1) Repair or replace all torn or dry-rotted burlene being used for curing of I-walls, because they are no longer effective; 2) Contractor needs to take whatever actions necessary to catch-up with his concrete finishing operations, because he is beginning to fall behind; 3) Need to repair all sections on leaning safety/silt fences between WB/L Sta's 102+00 and 119+00; and 4) Contractor needs to resume turning in his CQC Reports to QAR by 1000 hrs each work day as agreed to in the Mutual Understandings Meeting. Messrs. Tassin and Justice agreed to concur with the above mentioned instructions.

CONTROVERSIAL MATTERS IN DETAIL

NONE

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

NONE

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



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

GOVERNMENT PERSONNEL ON SITE

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
Z. BRYANT	Const. Insp., GS-07	9 hrs.	QAR

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

Checked and found back-up alarms working properly on both Case 580 Backhoes this date.
No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 19 July 95	SUPERVISOR'S INITIALS 	DATE 7/25/95
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QUALITY ASSURANCE REPORT SUPPLEMENT
CONTRACT NO.: DACW29-94-C-0079

QAR# 158

DATE : Tue. - 18 July 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

STEEL SHEET PILES: Observed subcontractor (Gill) stabbing and driving 50 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 81+39.70 and 82+30.15, down to a top elev. of +5.75' as required, except for the 4 piles at proposed monolith joints that were driven to a top elev. of +5.00' as required. Used contractor's 6' level to check pile plumbness , and found all piles to be driven plumb (within tolerance). Checked pile alignment by using contractor's transit, and found all piles to be on proper alignment. All proposed monolith joint sheet pile interlocks are falling within 1" to 2".

RESTEEL INSTALLATION: Checked and found subcontractor (Arcadia) has properly installed all required resteel for the bottom sections of West Monos #142, #144, #149 and #151 this date, also all required resteel for the wall stem sections of West Monos #146 and #151 this date. All resteel was set, spaced and tied in accordance with approved shop drawings. All resteel was tied at 100%.

QUALITY CONTROL: Contractor is providing satisfactory quality control this date. However, there is some room for improvement.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NO ADDITIONAL INSTRUCTIONS ISSUED THIS DATE.

REMARKS:

NONE


ZANE D. BRYANT, JR.
Inspector's Signature

FO. CHECK OUT FOR STRUCTURE REINFORCED CONCRETE FLOODWALL

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

MONOLITH WEST# 151 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 7-18-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	7-18	10:40	ZAB	7-18-95	1050
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	7-18	10:40	ZAB	7-18-95	1050
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	7-18	10:45	ZAB	7-18-95	1055
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	7-18	10:50	ZAB	7-18-95	1055
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	7-18	10:50	ZAB	7-18-95	1055		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	7-18	10:55	ZAB	7-18-95	1100		
G. SAFETY (LIST)	JmJ	7-18	10:55	ZAB	7-18-95	1100		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rubber Gloves	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	7-18	10:55	ZAB	7-18-95	1100		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1120	1.75				
Concrete Bucket	1	10 c.y.	1120	1.75				
Concrete Vibrator	1	18' Whip	1120	1.75				
J. REMARKS	SLUMP = 4.0" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 88° ;							
	AIR TEMPS = 91° ; 3 Test Cylinders (LA-58)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice				C.O.E. REPRS:	Zachary August		
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.								

✓ CHECK OUT FOR

STRUCTURES
 REINFOR.) CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 146

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 7-18-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	7-18	2:00	ZAB	7-18-95	1400
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmg	7-18	2:00	ZAB	7-18-95	1400
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	7-18	2:05	ZAB	7-18-95	1405
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	7-18	2:10	ZAB	7-18-95	1410
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	7-18	2:10	ZAB	7-18-95	1410		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	7-18	2:15	ZAB	7-18-95	1415		
G. SAFETY (LIST)	Jmj	7-18	2:15	ZAB	7-18-95	1415		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rubber Gloves	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	7-18	2:20	—	—	—		
Expansion Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1445					
Concrete Bucket	1	1.0 c.y.	"					
Concrete Vibrator	1	18' whip	"					
J. REMARKS	SLUMP = 4.5" ; AIR ENTR. = 5.4% ; CONCRETE TEMPS = 86° ;							
	AIR TEMPS = 96° ; 3 Test Cylinders (LA-58)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: ZAB				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

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

DATE: 7/18/95

REPORT NO.: 204

SKIES: Clear - Pt. Cloudy RAIN: IN. TEMP.: 77 MIN 98 MAX

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

WORK PERFORMED/LOCATION

B+K Construction - Wrecked I-Wall forms at West Monoliths #153 and #148 today. Cleaned, oiled, and set forms at West Monoliths #146 and #151. Placed concrete at West Monoliths #146 and #151 today. Set canal side form at West Mono. #144 for tomorrow's pour. Demolished existing concrete floodwall from West B station 112+10 to station 111+30. Burned holes in C2-101 sheet piling (to pass Rebar verticals through) at West Monolith #142. Operator and one laborer graded stabilization slab soil, preparing the area between West B sta. 110+00 and 106+00 for slab. Slab forms. Surveyor established grades for sheet pile, excavation, stabilization slab, and I-Wall work. Carpenters set top steel at West I-Wall Monolith #144 (after Arcadia Rebar was gone for the day).

Arcadia Rebar - Tied reinforcing steel for West I-Wall Monoliths #151, #149, #144, and #142. Set top steel at West I-Wall Monoliths #151 and #146. Pre-tied two more mats for future placement in I-Wall stems.

Gill's Crane Service - Drove new C2-101 sheet piling on the East Bank from station 82+30.15 to station 81+39.70 (50 pieces at 21'-9" long each).

QUALITY CONTROL REPORT
EQUIPMENT

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

MATERIALS RECEIVED

Received 42 cubic yards of Ready-mix concrete from Lafarge Conc. Co. today (mix #44-C). 34 cu.yards of this material was placed in west I-wall monoliths #146 and #151, and 8 cu.yards were placed in stabilization slab from west of Sta. 111+15 to Sta. 110+20. Concrete delivery tickets were furnished to the Government Inspector, with all batch information printed on them.

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

Inspection of C2-101 Sheet Piles revealed that monolith lengths were 28.87' (plus or minus 0.10') until piling work reached East Monolith # 43. In the process of plumbing piles, the length of this monolith was stretched to $\pm 29.20'$. Carpenter crew will have to make adjustments to I-wall forms at this monolith to make concrete joints match sheet pile interlocks. Sheet piling are plumb, and all interlocks are fully engaged. Cut off elevation is +5.75 in this reach, plus or minus 0.10'

Inspected condition of I-wall forms. One canal side form had to be repaired today; a section of plywood facing material was cut out and replaced with new wood. A chunk of rubber form liner was missing also ($\pm 2'$ in diameter); the form liner with the defective piece was replaced also. Bondo filler material was used to patch small holes and gaps in plywood material at tie-bolt holes and joints.

TESTS PERFORMED
(As required by plans/specifications)

B+K Construction performed concrete tests and inspection as required by the contract spec's today, on Lafarge Concrete Company's Mix # 44-C. Results are attached on the Concrete Field Data Summary sheet. Three cylinders were molded, to be delivered to the C.O.E. Lab tomorrow.

Delta Testing monitored vibrations caused by pile driving work on the East Bank near station 82+00 today. Results not furnished to B+K Const. Co., but only to the Orleans Levee Board.

C TRACTOR/SUBCONTRACTORS AND
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	47	B+K Const.	Forming and pouring Concrete I-Wall
8	Skilled	80	"	Pouring concrete stabilization slab; Burning
1	Supt.	10	"	holes for re-steel; Demolishing existing
1	Q.C. Rep	10	"	floodwall; Establishing lines and grades
				for all phases of work (See Page #1)
2	Skilled	16	Gill's Crane	Driving C2-101 sheet piling
1	Unskilled	8	"	on the East Bank (See Page #1)
3	Skilled	24	Arcadia Rebar	Tying reinforcing steel for
				I-Wall (See Page #1)

JOB SAFETY

(Note inspection, violations/actions taken)

Purchased safety glasses for all field employees, on a "one time only" basis. Replacement lenses or spectacles are available through B+K Const. Company, at employee's expense. Workers have been issued safety glasses, and are required to wear them when pouring concrete, chipping, driving nails, cutting or drilling or grinding with power tools.

REMARKS

(Instructions received, miscellaneous remarks)

Project Inspector Zane Bryant had the following instructions for B+K Construction today: ① Q.C. Reports must be turned in by 10:00 AM each day. ② Replace all torn + rotten burlene used for I-Wall curing. ③ Repair all leaning safety fence/silt fence on the West Bank Sta. 102+00 → 119+00. ④ Finishing work on completed I-wall concrete surfaces must be caught up (no one is working on this at present). Supt. Mike Tassin will comply on instructions # 2, 3, + #4. Jerry Justice will correct item #1.

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

Jerry M. Justice
Authorized Q C Representative

7-19-95
Date

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

DATE: 7-18-95

Pour Location West Monoliths #146 + #151

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C

Required Strength 3000 psi
(90 days)

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
26963	11:00	12:00	3.0°	15 gal.	4.0 ^x	88°/91°	5.2	3	11:30	9
269637	12:45	1:05	2.5°	10 gal.	4.0°	87°/92°	-	-	12:55	8
269703	2:45	3:30	1.5°	25 gal.	4.5°	88°/96°	-	-	2:55	9
269729	3:35	4:45	3.0°	10 gal.	4.5 ^x	89°/96°	5.4	-	4:00	8

Concrete Test Cylinder Set
 REMARKS: # LA-58.

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

TECHNICIAN:
Steve Thome

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER
157

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

DATE Sat., Sun. & Mon.
15, 16 & 17 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER Cloudy with Rain
to Ptly Cldy & 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 96°

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

24 HOUR PRECIPITATION
INCHES 7/15/95 ENDING
0.25" 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 1-8 hrs	LABOR
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Canal RIVER STAGE
FEET 1.70' TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-18 hrs	SKILLED 10-106 hrs	LABORERS 5-53 hrs	TOTAL 17-177
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NUMBER OF SHIFTS

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

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; STRUCT. EXCAVATION; SELECTIVE DEMOLITION
- 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) Placed concrete for West Monos #148 & #153; Set forms for slab between WB/L Sta's 110+20 & 111+15; Set F/S form for West Mono #146; Removed existing concrete cap between WB/L Sta's 112+10 & 112+50; Excavated for I-Wall between EB/L Sta's 78+25 & 79+00; Welded #6 rebars to tops of sheet piles for West Monos #139 thru #145.
- b) Drove 30 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 82+30.15 & 82+84.28.

Days of no work and reasons for same:

50% of days lost due to adverse weather/high tides on 10 & 14 July 95.

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

Progressive work was scheduled and performed on Mon., 17 July 95 by B&K and Gill. See attached CQC Reports. Minor work was performed by B&K on Sat., 15 July 95.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 31.4%
PERCENT TIME ELAPSED: 53.4%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases on Mon., 17 July 95:

- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- STRUCTURAL EXCAVATION: No instructions issued.
- SELECTIVE DEMOLITION: No instructions issued.
- STEEL SHEET PILES: No instructions issued.

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

The following Follow-Up QA Inspections were performed on Mon., 17 July 95:

REINFORCED CONCRETE FLOODWALL: Performed Pre-Placement Inspections on West Monos #148 & #153 (see attached LMN Form 1246's). Checked and found both sets of forms to be on proper alignment. Observed placement of concrete this date. Concrete is being placed in lifts of less than 18", not being allowed to drop more than 5', and is being well vibrated. Witnessed the sampling and testing of concrete being used this date (see attached Concrete Field Data Sheet for results). Noted B&K formed & graded for slab between WB/L Sta's 110+20 and 111+15. Noted B&K welded #6 rebars to tops of all sheet piles for West Monos #139 thru #145 for cathodic protection.

STRUCTURAL EXCAVATION: B&K excavated for I-Wall construction between EB/L Sta's 78+25 & 79+00, to a bottom elev. of +2.60' as required. Excavated material used to widen levee crown.

SELECTIVE DEMOLITION: Observed B&K removing existing concrete cap from sheet piles between WB/L Sta's 112+10 and 112+50, by cutting the existing piles at elev. +6.75' for temporary flood protection.

STEEL SHEET PILES: Gill drove 30 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 82+30.15 and 82+84.28, to a top elev. of +5.75', except at mono joints the piles were 9" lower (+5.00).

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	7 hrs.	QAR

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

Contractor held Weekly Safety Meeting on Mon., 17 July 95. See attached minutes.

Checked and found all personnel on site wearing hard hats and steel toe boots on Mon., 17 July 95.

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 18 July 95	SUPERVISOR'S INITIALS 	DATE 7/24/95
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FORM CHECK OUT FOR

STRUCTURE'S
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH WEST # 148

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 7-17-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	7-17	9:20	ZAB	7-17-95	1000
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	"	"	N/A	N/A	N/A
ANGLE	"	"	"	"	"	"
HEADS	"	"	"	"	"	"
C. STAB. SLAB/JOINTS	JmD	7-17	9:20	ZAB	7-17-95	1000
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	"	"	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	7-17	9:25	ZAB	7-17-95	1005
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	7-17	9:30	ZAB	7-17-95	1010
CONDITION	✓	✓	✓	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	7-17	9:30	ZAB	7-17-95	10:10		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	7-17	9:35	ZAB	7-17-95	10:15		
G. SAFETY (LIST)	JmJ	7-17	9:35	ZAB	7-17-95	10:15		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging Check	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	7-17	9:40	—	—	—		
Exp. Material	NONE this Pour	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1140	2.0				
Concrete Bucket	1	1.0 c.g.	"	"				
Concrete Vibrator	1	18' whip	"	"				
J. REMARKS	* See Results for West Monolith #153.							
	SLUMP = * ; AIR ENTR. = * ; CONCRETE TEMPS = 86° ;							
	AIR TEMPS = 90° ; 3 Test Cylinders (LA-57)							
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

 STRUCTURE 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

WEST # 153

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

7-17-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	7-17	8:05	ZAB	7-17-95	0830
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	"	"	"	"	"	"
HEADS	"	"	"	"	"	"
C. STAB. SLAB/JOINTS	Jmd	7-17	8:05	ZAB	7-17-95	0830
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	7-17	8:10	ZAB	7-17-95	0835
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	7-17	8:15	ZAB	7-17-95	0840
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmd	7-17	8:15	ZAB	7-17-95	0840		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmd	7-17	8:20	ZAB	7-17-95	0845		
G. SAFETY (LIST)	Jmd	7-17	8:20	ZAB	7-17-95	0845		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Ladder + Scaffold	✓	"	"	✓	✓	✓		
3. Check Rigging	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	7-17	8:25	ZAB	7-17-95	0845		
Expansion Material		"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	0925	1 1/2				
Concrete bucket	1	1.0 c.y.	0925	1 1/2				
Concrete vibrator	1	18' whip	0925	1 1/2				
J. REMARKS	SLUMP = 4 1/2" & 4" ; AIR ENTR. = 5.6% & 5.4% ; CONCRETE TEMPS = 86° & 84° ; AIR TEMPS = 85° & 86° ; 3 Test Cylinders (LA-57)							
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: 7/17/95

REPORT NO.: 203

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

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.7) NOISE: Moderate

^{SUNDAY}
(7-16-95 - No Work.)

WORK PERFORMED/LOCATION

7-17-95 (Monday) B+K Construction - Placed concrete at West I-wall Monoliths #153 and #148 this morning. Set canal side form at West Monolith #146, and set stabilization slab forms from West B sta. 111+15 to sta. 110+20. Welded #6 Rebar on top of new CZ-101 Sheets at West Monoliths #145, #144, #143, #142, #141, #140, and #139 for cathodic protection. Demolished existing floodwall on the West Bank from station 112+50 to station 112+10. Performed structural excavation on the East Bank between station 79+00 and station 78+25. Repaired plywood face on one of the I-wall form panels.

Arcadia Rebar - No Show Again Today

Gill's Crane Service - Drove new CZ-101 sheet piles on the East Bank from station 82+84.28 to station 82+30.15 (30 pieces at 21'-9" Long each piece).

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
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	—
Fiat-Allis MotorGrader	—	yes	1	7	—
Mantis 3612 Crane	—	yes	5	3	—
Komatsu 200 Excavator #2	—	yes	3	5	—
Welding Machine	—	yes	3	5	—
Case 580 Backhoe #2	—	NO	0	8	—

MATERIALS RECEIVED

Received 34 cubic yards of concrete from Lafarge for West I-Wall Monoliths #153 and #148 (Mix #44-C). Ice was added at the batch plant to control mix temperature. Delivery tickets were furnished to the Project Inspector, complete with all necessary batch weights, amounts, and time batched.

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

Inspected the C2-101 sheet piling work performed today (East Bank Sta. 82+84 to Sta. 82+30). Material used was new C2-101 sheets by Casteel Corp. at 21'-9" Long, driven in pairs to a cut-off elevation of +5.75. Alignment of sheet piles was within 0.15' of new I-Wall \pm (variance due to difficult driving). A 40' long driving template was set with one edge 4" offset from \pm . Pairs of C2-101 were stabbed with one side against the template. The template was marked in graduations of 3.61' for alignment of each pair lengthwise. Monolith joints were marked on the beam (template) at 28.87' apart, so that pile drivers could keep their monoliths of 8 pairs of sheets the correct distance apart, to coincide with concrete joints. Plumbness of piles was checked, and determined to be within $\frac{1}{8}$ " per foot in both planes.

Also inspected the #6 bar welded to the top of the new C2-101 sheet piles (West Bank I-well Monoliths #145 through #139). The rebar and sheet piling tops were clean before tack welding them together. No rebar extended through any of the monolith joints. The #6 Rebar was tackwelded to each piece of C2-101 sheet piling, and bond cables completed the circuit at each monolith joint.

TESTS PERFORMED
(As required by plans/specifications)

B+K Construction Company personnel performed concrete testing and inspection today on mix #44-C delivered by Calarge Conc. Co. Results are attached on the Concrete Field Data Summary Sheet. Three test cylinders were molded, and will be delivered to the Government Lab on 7-19-95.

Delta Testing performed vibration monitoring on the East Bank, adjacent to sheet pile driving work today. Results are furnished to the Orleans Levee Board only.

CONTRACTOR/SUBCONTRACTORS AND
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
4	Unskilled	33	B+K Const.	Placing I-wall Concrete; Forming
8	Skilled	78	"	I-wall and Stabilization slab;
1	Supt.	10	"	Demolition of existing floodwall;
1	Q.C.Rep.	8	"	Structural excavation; Cathodic Protection (See Page # 1)
2	Skilled	16	Gill's Crane	Driving new C2-101 sheet
1	Unskilled	8	"	piling (see page 1)
0	—	0	Arcadia Rebar	"NO SHOW"

JOB SAFETY

(Note inspection, violations/actions taken)

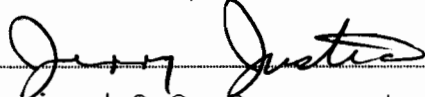
Purchased a fire extinguisher for the Komatsu 200 Excavator #2. The previous fire extinguisher was stolen out of this machine by vandals. The operator will remove this new extinguisher each night and place it back in the Excavator each morning.

The weekly safety meeting was held in B+K Construction's field office today. Minutes of the meeting are attached to this report.

REMARKS

(Instructions received, miscellaneous remarks)

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


Authorized Q C Representative

7-18-95
Date

MINUTES OF SAFETY MEETING

DATE: 7-17-95 DACW 29-94 C-0079 TIME: 7:00 AM

PROJECT: London Avenue Outfall Canal Floodwall

MEETING CONDUCTED BY: Jerry Justice

PERSONS ATTENDING:

Jerry Justice
Don [unclear]
Chris [unclear]
Keith [unclear]
William [unclear]
Raymond [unclear]
Mike [unclear]

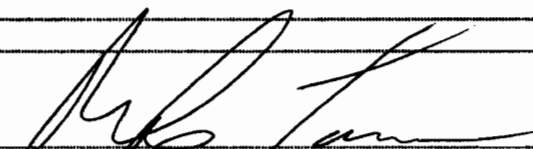
Steve [unclear]
[unclear]
[unclear]

TOPICS DISCUSSED:

Reviewed BTK Construction's Safety Program again today, with emphasis on personal protection and procedures for workers in the field. Steel toe safety shoes or boots are required on this job, and hard hats must be worn in the work area at all times. Safety glasses or goggles must be worn when a danger of flying particles, concrete, or other foreign materials could enter the eyes. Gloves should be worn when handling rough or sharp objects. Reflective orange safety vests must be worn when working in the roadway or within 20' of the roadway. Personal Flotation Devices must be worn when you work on a boat, barge, or bridge over water. Dust masks and/or respirators must be used when exposed to dusts, fumes, gases, or paint.

COMMENTS:

Report any unsafe acts, working conditions, tools, or equipment at once. Discontinue use of defective tools and equipment at once.


CONTRACTOR'S SUPERINTENDENT

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

DATE: 7-17-95

Pour Location West I-wall Monoliths #153 + #148

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
269351	9:09	9:50	3.0°	15 gal.	4.5 ^x	86° 85°	5.6	3	9:35	9
269371	10:00	10:40	2.5°	10 gal.	4.0 ^x	84° 86°	5.4	-	10:30	8
269402	11:35	12:15	3.5°	-	3.5°	86° 90°	-	-	-	9
269424	12:43	1:43	2.5°	13 gal.	4.0	87° 91°	-	-	-	8

REMARKS: Test Cylinder Set # LA-57.

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

TECHNICIAN:
Steve Thome
Jerry Justice

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

DATE: 7/15/95 Saturday

REPORT NO.: 202

SKIES: Cloudy- Rain

RAIN: 0.25 IN. TEMP.: 75 MIN 92 MAX

DUST: None

LEVEE CONDITION: Wet

CANAL GAUGE: (1.7) NOISE: Minimal

WORK PERFORMED/LOCATION

B+K Construction - Set top reinforcing steel at West Monolith #148 (pre-tied by Arcadia rebar). Set Land side form at west monolith #148, then completed all details on west monoliths #148 and #153. Rain fell on and off, delaying work on forms.

No other work performed today.

No subcontractors on site today.

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	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	4	4	—
KOMATSU 200 EXCAVATOR	—	No	0	8	—
Welding Machine	—	No	0	8	—
Case 580 Backhoe	—	No	0	8	—

MATERIALS RECEIVED

None Received Today.

C. TRACTOR/SUBCONTRACTORS AND
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
2	Unskilled	12	B&K Const.	Forming I-Wall
2	Skilled	12	"	(See Page 1)

JOB SAFETY

(Note inspection, violations/actions taken)

Carpenter foreman checked lifting brackets, spreader beam, and rigging used to hoist steel I-wall forms today. Lifting bracket nuts were tightened up as needed. No evidence of excessive wear was found on Rigging. Spreader Beam showed no weakness or defects.

REMARKS

(Instructions received, miscellaneous remarks)

* Page #3 of this report was omitted today, due to the fact that no inspections or tests were performed for this date.

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

Jerry Justice
Authorized Q C Representative

7-17-95
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
156

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

DATE
Friday
14 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER
Cloudy & Hot 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 75°	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 0.35"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

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

Canal RIVER STAGE	
FEET 1.70'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-14 hrs	12-55 hrs	6-29 hrs	20-98

NUMBER OF SHIFTS

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

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

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

WORK PERFORMED TODAY (Indicate location and description of work performed. Refer to work performed by prime and/or subcontractors by letter in Table above.)
a) Wrecked forms from W. Monos #150 & #155; Set forms for W. Monos #148 & #153; Excavated for I-Walls between EB/L Sta's 79+00 & 80+00; Removed existing concrete cap WB/L Sta's 112+50 to 112+90; Patched tie-rod holes in W. Monos #150 & #155, and E. Mono #162 (collar).
b) Drove 10 pcs of CZ-101 X 21'-9" piles, EB/L Sta's 82+84.28 to 83+02.32.
c) Set & Tied all resteel for W. Mono #153, and bottom resteel only for W. Mono #151.

Days of no work and reasons for same:
50% of days lost due to adverse weather/high tides on 10 & 14 July 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, Gill and Arcadia. However, work was halted by heavy rains at approx. 1030 hrs. to 1100 hrs.

DATE SET FOR COMPLETION: 04 MAY 96 PERCENT PROJECT COMPLETE: 31.0%
PERCENT TIME ELAPSED: 53.0%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

- Attended the following CQC Inspection Phases this date:
- REINFORCED CONCRETE FLOODWALL: No instructions issued.
 - STRUCTURAL EXCAVATION: No instructions issued.
 - SELECTIVE DEMOLITION: No instructions issued.
 - RESTEEL INSTALLATION: No instructions issued.
 - STEEL SHEET PILES: No instructions issued.

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

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

REINFORCED CONCRETE FLOODWALL: Observed removal of forms from W. Monos #150 & #155. Noted no major defects in I-Wall surfaces. Observed the setting of forms for W. Monos #148 & #153, these forms not completed this date due to adverse weather.

STRUCTURAL EXCAVATION: Noted that B&K performed excavations for I-Walls between EB/L Sta's 79+00 and 80+00, to a bottom elev. of +2.60' as required for the 4" stab. slab. Excavated material was used to widen levee crown for access.

SELECTIVE DEMOLITION: Observed B&K cutting off existing sheet piles at elev. +6.75' and therefore removing the existing concrete cap, between WB/L Sta's 112+50 & 112+90. Concrete cap was placed on F/S of existing sheet piles & will be removed from site at a later date.

RESTEEL INSTALLATION: Observed Arcadia installing top and bottom resteel for W. Mono #153, and bottom resteel only for W. Mono #151. All resteel was set & tied in accordance with approved shop drawings.

STEEL SHEET PILES: Spot checked pile driving operations this date. Noted all piles were driven plumb & on proper alignment. All piles were driven to a top elev. of +5.75'.

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: Pile driving operations were shut-down at approx. 1030 hrs. due to SW&B needing to re-energize Feeder Lines 340 & 432, because of local rains. Also all remaining operations were shut-down at approx. 110 hrs. due to heavy rains on the jobsite.

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


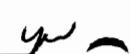
REMARKS (include visitors to project and miscellaneous remarks pertinent to work)

<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	7 hrs.	QAR

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

Checked and found that Feeder Lines 340 and 432 were de-energized prior to pile driving work being performed this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 17 July 95	SUPERVISOR'S INITIALS 	DATE 7/24/95
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QUALITY CONTROL REPORT
DACW29-94-C-0079
LONDON AVENUE OUTFALL CANAL
B & K CONSTRUCTION JOB NO. 9402

DATE: 7/14/95

REPORT NO.: 201

SKIES: Cloudy - Rain

RAIN: 0.35 IN. TEMP.: 75 MIN 90 MAX
(AT 11:00 AM)

DUST: None

LEEVE CONDITION: Wet CANAL GAUGE: (1.7) NOISE: Minimal

WORK PERFORMED/LOCATION

B&K Construction - Wrecked I-wall forms at West Monoliths #150 and #155, set forms at west Monolith #153, and set Canal Side form at West Monolith #148, Demolished existing floodwall on the West Bank from station 112+90 to Sta. 112+50, Performed structural excavation on the East Bank from station 80+00 to sta. 79+00, Survey crew set g. stakes for sheet piling work, cross-sectioned the levee at current work area for Breach Closure Plan compliance, and marked grades for sheet piling, stabilization slab, and I-wall work, Cement finisher patched tie-rod holes at West Monoliths #150 + #155, and repaired concrete surfaces at East Collar (#162), "Rain Out" came at 11:30 AM.

Gill's Crane Service - Drove new CZ-101 sheet piling on the East Bank from station 83+02.32 to station 82+84.28 (10 pieces at 21'-9" long each piece), Heavy Rain storm shut down piling work at approx. 10:30 AM today, as Electric Feeder Lines (FL340 and FL422) had to be re-energized by the Sewerage & Water Board. Lightning and wet soil also were factors that would have stopped work regardless of Feeder Lines.

Arcadia Rebar - Tied btm. steel at West I-wall Monoliths #153 and #151, and set top steel at West Monolith #153, Corrected bottom steel and clearances at West Monolith #148 (tied previously).

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	—	yes	1	7	—
Case 580 Backhoe	—	yes	1	7	—
Koehring 535 Crane	—	yes	3	5	—
MKT Vibro Hammer	—	yes	3	5	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	4	4	—
Komatsu 200 Excavator	—	yes	3	5	—
Welding Machine	—	No	0	8	—
Case 580 Backhoe	—	yes	1	4	—

MATERIALS RECEIVED

None Received Today

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

I inspected the demolition work done on the West Bank between Sta. 112+90 and 112+50. Existing sheet piling were torch-cut at elevation +6.75, leaving a piece of steel uncut at each end for safety reasons. The Komatsu 200 was then used to push against the concrete cap so that it could only fall on the Canal side. The remaining strips of sheet piling were then cut, and the Komatsu 200 pushed the 40' section of concrete cap and embedded portion of sheet piling over to fall on the Flood Side. These 40' sections will be broken up and hauled off to Pontchartrain Materials Corporation in the future. Pieces were stacked neatly along the Flood side of the sheet piling still standing, until such time as they are hauled off the job site.

Inspected the structural excavation work done on the East Bank today. Control elevation marks were used to prevent over-excavation. Operator measured down 4'-2" from control marks on existing sheet piling (at elev. +6.75) to btm of excavation. The material from excavation was suitable for backfill and embankment, and was used to widen the Temporary Access Road in the area of excavation (East B Sta. 80+00 to Sta. 79+00)

TESTS PERFORMED
(As required by plans/specifications)

NONE PERFORMED TODAY

C TRACTOR/SUBCONTRACTORS AN.
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	25	B+K Const.	Wrecking + setting up forms
7	Skilled	35	"	for I-Wall; Demolishing existing
1	Supt.	6	"	floorwall; Structural excavation;
1	Q.C. Rep.	8	"	Layout of work; Cement finishing
				work (see page 1 for locations)
2	Skilled	8	Gill's Crane	Driving new CZ-101 Sheet
1	Unskilled	4	"	piling (see page 1)
3	Skilled	12	Arcadia Rebar	Tying Reinforcing steel for
				new I-wall
				(see page 1)

JOB SAFETY

(Note inspection, violations/actions taken)

Checked Reverse alarms on Both Case 580 backhoes today. Both machines had working Back-up alarms, and the alarms were clearly audible whenever the transmission was shifted to "Reverse" position.

Checked work areas for any sign of oil or fuel leaks or spills. None were observed.

REMARKS

(Instructions received, miscellaneous remarks)

We intend to work tomorrow with a reduced crew of men, finishing details on the two I-wall forms set today, in hopes of pouring two concrete walls early on Monday morning.

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

Jerry Justice
Authorized Q C Representative

7-1-95
Date

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

TO Area Engineer, CELMN-CD-NO					COPY TO: C/Const. Div. CELMN-CD		REPORT NUMBER 155
PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal, Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.					DATE Thursday 13 July 1995		
CONTRACTOR (Or hired labor) B & K Construction Company, Inc. 1905 Highway 59, Mandeville, La. 70448					CONTRACT NUMBER DACW29-94-C-0079		
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS					WEATHER Partly Cloudy & Hot		
STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %	MINIMUM 77°	TEMPERATURE MAXIMUM 99°	
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		
NUMBER OF GOVERNMENT EMPLOYEES					INCHES 0.00"		
SUPERVISORY 1-2 hrs					ENDING 0730 M		
OFFICE					Canal RIVER STAGE		
LAYOUT					FEET 1.40'		
INSPECTION 1-10 hrs					TIME 0800 M		
TOTAL 2-12 hrs					NUMBER OF SHIFTS <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3		
LABOR					FROM TO FROM TO FROM TO		
NUMBER OF CONTRACTOR'S EMPLOYEES					0700 M 1800 M M M M M		
SUPERVISORY 2-19½ hrs							
SKILLED 12-96 hrs							
LABORERS 6-56 hrs							
TOTAL 20-171½							

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) Set forms & placed concrete for West Monos #150 & #155; Wrecked forms from West Monos #152 & #157; Burned holes in sheet piles for resteel installation in West Monos #143, #144 & #145; Set wall stem resteel for West Mono #155; Structural Excavation, EB/L Sta's 80+00 to 80+50.
- b) Drove 54 cps of CZ-101 X 21'-9" piles between EB/L Sta's 83+02.32 & 83+99.75.
- c) Set & tied wall stem resteel for West Mono #150 and tied 2 extra set of wall stem mats.

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tides on 10 July 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.

PERCENT PROJECT COMPLETE: 30.9%

PERCENT TIME ELAPSED: 52.8%

DATE SET FOR COMPLETION: 04 MAY 96

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

STRUCTURAL EXCAVATION: 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 Inspection were performed this date:

REINFORCED CONCRETE FLOODWALL: Performed Pre-Placement Inspections on West Monos #150 & #155 prior to placing concrete (see attached LMN Form 1246's). Witnessed B&K sampling and testing concrete being used this date (see attached Concrete Field Data Sheet for results). Observed placement of concrete this date. Noted concrete not being allowed to drop more than 5', being placed in lifts of less than 18", and is being well vibrated. Monitored form alignment and plumbness throughout concrete placing operations this date. Noted B&K burned 2" holes in new sheet piles approx. 2½" above stab slab for resteel installation in West Monos #143 thru #145

STRUCTURAL EXCAVATION: B&K excavated for new I-Walls between EB/L Sta's 80+00 and 80+50, to a bottom elev. of +2.60' as required for the stabilization slabs. Excavated a trench approx. 5' wide in levee crown on L/S of existing sheet piles, beginning at sheet piles.

RESTEEL INSTALLATION: Arcadia set & tied wall stem resteel for West Mono #155 and tied 2 extra sets of wall stem mats for future placement. B&K set wall stem resteel for W. Mono #150

STEEL SHEET PILES: Gill drove 54 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 83+02.32 and 83+99.75, to a top elev. of +5.75' except for 4 piles at proposed monolith joints where these piles were driven to a top elev. of +5.00' as required. All piles driven plumb.

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: QAR, Z. Bryant informed CQC Rep's M. Tassin and J. Justice that Gill's Crane Service has fallen behind in turning in their payrolls. Mr. Tassin stated he would check into this and have them bring their payrolls up to date as soon as possible.

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	2 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	9 hrs.	QAR

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

Checked and found hoist cable to be in very good shape on the Koehring 535 Pile Driver this date. Also noted the fire extinguisher was fully charged.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 14 July 95	SUPERVISOR'S INITIALS yw	DATE 7/21/95
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FORM CHECK OUT FOR

STRUCTURE
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH West #155

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 7-13-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	7-13	12:05	ZJB	7-13-95	12:05
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	12:05
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	"	"	"	"	"	"
HEADS	"	"	"	"	4	"
C. STAB. SLAB/JOINTS	JmD	7-13	12:05	ZJB	7-13-95	12:10
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	7-13	12:10	ZJB	7-13-95	12:10
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	7-13	12:15	ZJB	7-13-95	12:15
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	7-13	12:15	ZJB	7-13-95	12:15		
CLEANLINESS	✓	"		✓	✓	✓		
RELEASING AGENT	✓	"		✓	✓	✓		
TIES AND BOLTS	✓	"		✓	✓	✓		
LENGTH 28.86'	✓	"		✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"		✓	✓	✓		
HEIGHT 11.40'	✓	"		✓	✓	✓		
WATERSTOPS	✓	"		✓	✓	✓		
CHAMFER STRIPS	✓	"		✓	✓	✓		
F. WEATHER PROTECTION	Jmj	7-13	12:20	ZJB	7-13-95	12:20		
G. SAFETY (LIST)	Jmj	7-13	12:20	ZJB	7-13-95	12:20		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging	✓	"	"	✓	✓	✓		
3. Ladder & Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	7-13	12:20	ZJB	7-13-95	12:20		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	12:35	1.5				
Concrete Bucket	1	1.0 cu.	"	"				
Concrete Vibrator		18' whip	"	"				
J. REMARKS	SLUMP = 4.5" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 89° ;							
	AIR TEMPS = 98° ; 3 Test Cylinders (LA-56)							
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 STRUCTURE REINFORCED CONCRETE FLOODWALL

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

MONOLITH West # 150 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 7-13-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	7-13	3:10	ZAB	7-13-95	1510
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	"	"	N/A	N/A	N/A
ANGLE	"	"	"	"	"	"
HEADS	"	"	"	"	"	"
C. STAB. SLAB/JOINTS	JmD	7-13	3:10	ZAB	7-13-95	1510
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	"	"	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	7-13	3:15	ZAB	7-13-95	1515
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	7-13	3:20	ZAB	7-13-95	1520
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JMD	7-13	3:20	ZAB	7-13-95	1520		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	4	✓	✓	✓		
F. WEATHER PROTECTION	JMD	7-13	3:25	ZAB	7-13-95	1525		
G. SAFETY (LIST)	JMD	7-13	3:25	ZAB	7-13-95	1525		
1. Safety Glasses	✓	"	"	✓	✓	✓		
2. Rigging	✓	"	"	✓	✓	✓		
3. Ladder + Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JMD	7-13	3:30	—	—	—		
Exp. Material	NOTE THIS BAR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1535	1 1/4				
Concrete Bucket	1	1.0 Cy.	"	"				
Concrete Vibrator	1	18' whip	"	"				
J. REMARKS	SLUMP = 3.5" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 89° ;							
	AIR TEMPS = 99° ; 3 Test Cylinders (LA-56)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice			C.O.E. REPRS: [Signature]				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed subcontractor personnel
driving sheet piling on east bank near Sta.
43+50. I-beam template used to align sheets,
survey level used to check elevation + level used
to check plumbness of sheets. Also observed
personnel tying rebar for monolith pour +
forms being adjusted prior to concrete placement.
Also checked condition of safety + silt fence.
Some areas need repairs where silt fence had
fallen off of fence. Supt. Mike Tassin
stated that they would fix it ASAP

Instructions to COC/Remarks:

None given

Chris Wagner Proj Engr
Name Title

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

DATE: 7 /13/ 95

REPORT NO.: 200

SKIES: Clear - Pt. Cloudy RAIN: IN. TEMP.: 77 MIN 99 MAX

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

WORK PERFORMED/LOCATION

- ① B&K Construction - Wrecked forms at West Monoliths #157 and #152. Set forms and poured concrete at West I-wall Monoliths #155 and #150 today. Burned holes at West Mono's #145, #144, and #143 for #6 Rebar to pass through CZ-101 Sheet piling. Performed Structural excavation on the East Bank from sta. 80+50 to sta. 80+00. Moved sheet piling into position for Gill's Crane Service. Widened Temp. Access Road; added 3' of geotextile silt fence material to safety fence, above existing geotextile. Added more braces to the fence in this area to stop fence from failing, through ± station 78+00. B&K Construction had to set top re-steel at West Monolith #155, as Arcadia Rebar did not show up until NOON.
- ② Gill's Crane Service - Drove new CZ-101 Sheet Piling on the East Bank from station 83+99.75 to station 83+02.32 (54 pieces at 21'-9" long each piece).
- ③ Arcadia Rebar - Tied reinforcing steel for West Monoliths #150 (top only), and pre-tied 2 more re-steel mats 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	6	4	-
Komatsu D37P Dozer	-	yes	3	5	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	yes	3	5	-
Koehring 535 Crane	-	yes	8	0	-
MKT Vibro Hammer	-	yes	8	0	-
Fiat-Allis MotorGrader	-	yes	1	9	-
Mantis 3612 Crane	-	yes	7	3	-
Case 580 Backhoe	-	yes	2	6	Reverse Alarm Repaired ✓
Welding Machine	-	No	0	8	-
Komatsu 200 Exc.	-	yes	5	3	-

MATERIALS RECEIVED

Received 34 cubic yards of concrete from Lafarge Conc. Co. today, and placed this material in West I-wall Trenches #155 and #150. Ice was added at the batch plant to bring temperature of concrete down under 90°. Lafarge's Quality Control Manager was notified to add more ice, because temperatures measured on site at 1 hour old were approaching 90°.

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

Inspected the Reinforced concrete I-wall work accomplished today. Steel forms were jacked up approx. 1" and shimmed to the correct elevation (so that the haunch + form Liner will always be at proper heights). The stabilization slab showed some settlement with the weight of the steel forms, The forms had to be jacked up again and Re-shimmed to grade. Control elevation marks at +4.50 were set at each end of each wall for references, on the C2-101 sheet piling. Alignment was controlled by using turnbuckle braces to set Top of wall to correct \pm . 2.5' o/s Lines were set at each end of each wall; carpenters plumbed each end to these marks, then used a string-line to set the middle of each wall. Reinforcing steel clearance again had to be adjusted. Arcadia Rebar was not on site to do this work, therefore, B&K Const. personnel had to adjust and tie off the top steel to provide 3" clearances all around.

TESTS PERFORMED
(As required by plans/specifications)

Concrete testing was done by B&K Construction today. Find the test results attached to this report on B&K's Concrete Field Data Summary Sheet. Three test cylinders were molded today and will be delivered to the C.O.E. Lab tomorrow.

CONTRACTOR/SUBCONTRACTORS AND
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	48	B+K Const.	Forming, Pouring, Finishing + Curing
7	Skilled	68	"	I-Wall Concrete; Struct. Excavation;
1	Supt.	11	"	Tying top re-steel for I-Wall;
1	Q.C. Rep.	8.5	"	Widening Temp. Access Road (see Page # 1)
2	Skilled	16	Gill's Crane	Driving new CZ-101 sheet piling
1	Unskilled	8	"	on the East Bank (see Page 1)
3	Skilled	12	Arcadia Rebar	Tying re-steel for I-Wall on the West Bank (see Page 1)

JOB SAFETY

(Note inspection, violations/actions taken)

Checked Rigging on the V-5 hammer today being used by Gill's Crane. Wire Rope slings were in good condition. screw pin anchor shackles were in good shape, and tied shut with wire to stop them from vibrating open.

Electric Feeder Lines #432 and #340 were deenergized (as required by Clayton Perrett) before starting work on the East Bank today. Feeder Lines were Re-energized after work ended at 3:45 PM

REMARKS

(Instructions received, miscellaneous remarks)

Inspector Zane Bryant stated that our sub-contractor (Gill's Crane Service) was behind on Certified Payroll Submittals for the last 8 weeks. SUPT. Mike Tassin will follow up and contact Gill Audibert concerning this matter.

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

Jerry Justice
Authorized Q C Representative

7-14-95
Date

B & . CONSTRUCTION COMPANY, IN
 LONDON AVENUE CANAL FLOODWALL PROJECT
 CONCRETE FIELD DATA SUMMARY

DATE: 7-13-95

Pour Location West I-Wall Monoliths #155 + #150

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
268955	12:20	1:20	3.0°	10 gal	4.5 ^x	89° 98°	5.2%	3	12:50	9
268973	1:06	1:59	2.0°	15 gal	4.0°	88° 98°	-	-	1:20	8
269012	3:37	4:25	2.5°	15 gal.	4.0°	88° 99°	-	-	4:00	9
269028	4:26	5:05	1.5°	24 gal	3.5 ^x	89° 99°	5.0	-	4:45	8

REMARKS: Test Cylinder Set # LA-56 .

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

TECHNICIAN:
Steve Stone

**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
154

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

DATE
Wednesday
12 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

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

24 HOUR PRECIPITATION

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

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

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

FEET 1.50'	TIME 0800 M
---------------	----------------

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS 1 2 3

SUPERVISORY 2-18 hrs	SKILLED 9-54 hrs	LABORERS 5-46 hrs	TOTAL 16-148	FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
-------------------------	---------------------	----------------------	-----------------	----------------	--------------	-----------	---------	-----------	---------

FROM M	TO M	FROM M	TO M
-----------	---------	-----------	---------

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- b. 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) Wrecked forms from West Mono #164; Set forms for West Mono #157; Placed concrete for West Mono #157; Placed concrete for stab slab between WB/L Sta's 111+15 & 112+15; Removed concrete cap from existing floodwall between WB/L Sta's 112+90 & 113+70; Set wall stem resteel for West Mono #157.
- b) Drove 18 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 84+32.21 and 83+99.75.

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tides on 10 July 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.

DATE SET FOR COMPLETION: 04 MAY 96 PERCENT PROJECT COMPLETE: 30.3%
PERCENT TIME ELAPSED: 52.6%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- SELECTIVE DEMOLITION: No instructions issued.
- STEEL SHEET PILES: No instructions issued.

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

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

REINFORCED CONCRETE FLOODWALL: Performed Pre-Placement Inspection on West Mono #157 prior to placing concrete (see attached LMN Form 1246). Observed placement & vibration of concrete for West Mono #157. Noted concrete was not dropped more than 5', was placed in lifts of less than 18", and was being well vibrated. Witnessed testing & sampling of concrete by B&K this date (see attached Concrete Field Data Sheet for test results). Visually inspected surfaces of West Mono #164 after forms were removed, and noted no major defects. Also noted that finisher patched all tie-rod holes in West Mono #164. Checked and found that B&K had formed and graded for a 4" stab. slab between WB/L Sta's 111+00 and 112+15, and top of forms were set at elev. +3.00' as required.

SELECTIVE DEMOLITION/TEMPORARY FLOOD PROTECTION: Observed B&K removing the existing concrete caps from the existing sheet piles between WB/L Sta's 112+90 & 113+70, by cuttin-off the existing sheet piles at elev. +6.75' as required for temporary flood protection. The existing cap was placed on the F/S of the existing sheet piles (to be removed later).

STEEL SHEET PILES: Observed Gill driving 18 pcs of CZ-101 X 21'-9" piles between EB/L Sta's 84+32.21 and 83+99.75, to a top elev. of +5.75'. All piles driven plumb & on good alignment.

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

Z. Bryant (per C. Wagner) informed CQC Rep's M. Tassin and J. Justice that B&K needs to submit X-Sections on the crown of the existing levee between WB/L Sta's 110+00 & 115+00 for the Breach Closure Plan as required. Mr. Justice that he would concur.

Z. Bryant reminded CQC Rep's M. Tassin and J. Justice that no equipment shall be started on the jobsite prior to 0730 hrs. as required by Special Clause H-23. Messrs. Tassin and Justice both agreed to concur.

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)


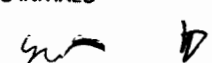
GOVERNMENT PERSONNEL ON SITE

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
Z. BRYANT	Const. Insp., GS-07	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 in vicinity of pile driving operations to be wearing hard hats, steel toe boots, and hearing protection.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 14 July 95	SUPERVISOR'S INITIALS 	DATE 7/20/95
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FORM CHECK OUT FOR

STRUCTURE'S
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 157

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 7-12-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	7-12	12:10	ZAB	7-12-95	1230
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	✓	"	"	"	"	"
HEADS	✓	"	"	"	"	"
C. STAB. SLAB/JOINTS	Jmj	7-12	12:10	ZAB	7-12-95	1230
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	7-12	12:15	ZAB	7-12-95	1235
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	7-12	12:20	ZAB	7-12-95	1235
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmg	7-12	12:20	ZAB	7-12-95	1235		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.85'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmg	7-12	12:25	ZAB	7-12-95	1240		
G. SAFETY (LIST)	Jmg	7-12	12:25	ZAB	7-12-95	1240		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Ladder	✓	"	"	✓	✓	✓		
3. Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	7-12	12:30	ZAB	7-12-95	1240		
Exp. Material		"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1310	1.5				
Concrete Bucket	1	1.0cy	"	"				
Concrete Vibrator	1	18' whip	"	"				
J. REMARKS	SLUMP = 4.5" + 4.0" ; AIR ENTR. = 5.8% + 5.2% ; CONCRETE TEMPS = 84° + 82° ;							
	AIR TEMPS = 96° + 96° ; 3 Test Cylinders (LA-55)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jery 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: 7/12/95

REPORT NO.: 199

SKIES: Pt- cloudy- hot RAIN: 0" IN. TEMP.: 76° MIN 98° MAX

DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (1.5) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - wrecked forms at West Monolith #164, set forms and poured concrete at West Monolith #157 today. Formed stabilization slab, and poured concrete at stab. Slab on the West Bank from B sta. 112+15 to sta. 111+15. Demolished existing floodwall on the West Bank from sta. 113+70 to sta. 112+90. B+K personnel had to set re-steel for the top of West Mono. #157, as Arcadia Rebar did not show up for work again today.

Gill's Crane Service - Drove new C2-101 sheet piling on the East Bank from B station 84+32.2L to sta. 83+99.15 (18 pieces at 21'-9" long each piece). Shop drawings (by Casteel/Skyline) show the first Monolith Joint on this reach of floodwall at station 84+30.41 (original plan station was 84+31.10)

Arcadia Rebar - Did not show up for work again today.

QUALITY CONTROL REPORT
EQUIPMENT

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

MATERIALS RECEIVED

Received 25 cubic yards of Ready-mix Concrete from Lafarge Concrete Company today (mix #44-c). Placed 17 c.y. of this material in West I-wall Monolith #15 and 8 c.y. of it in stabilization slab from West B sta. 112 +15 to sta. 111 +15. See Tests performed for material inspection.

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

Inspected the C2-101 sheet piling driven today on the East Bank by Gill's Crane Service. Piling were new 21'-9" pairs of C2-101 sheets by Casteel, supplied by skyline steel. Alignment of sheets was controlled by a 40' driving template, set up on a 4" o/s from ϵ , so that one edge of the piling should be placed flat against the beam. Monolith joints were marked, and the driving template was also marked in graduations of 3.61', so that each pair of C2-101 could be lined up with the mark, and length of each monolith could be maintained at 28.87'. Plumbness of piling was checked, and was found to be within $\frac{1}{8}$ " per foot in both planes.

Also inspected the stabilization slab poured today on the West Bank. The width of the slab was $\pm 5.0'$; approx. 2'-8" to the land side from ϵ and 2'-4" to the canal side. Thickness of the slab was found to be 4" to 6". 2x4 forms were set to a top of slab elevation of +2.95. Concrete used was the 3000 psi mix #44-e.

TESTS PERFORMED
(As required by plans/specifications)

BTK Construction personnel (Steve Thorne) performed concrete inspection and testing today on mix #44-e from Lafarge Conc. Co. Find results attached on the Concrete Field Data Summary Sheet. Three cylinders were molded; to be delivered to the Government Lab by BTK Construction on 7-13-95.

C TRACTOR/SUBCONTRACTORS AND
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
4	UNSKILLED	38	B&K Const.	Forming + Pouring concrete
7	SKILLED	68	"	I-wall and stabilization slab;
1	SUPT.	10	"	Demolition of existing Floodwall;
1	QC REP.	8	"	setting re-steel for I-Wall
2	skilled	16	Gill's Crane	Driving new c2-101 sheet
1	Unskilled	8	"	piling (see Page 1)

JOB SAFETY

(Note inspection, violations/actions taken)

Checked wire rope sling used to lift concrete bucket. Some wear was noted, therefore a new sling was ordered and received today. Also, new shackles were purchased we will begin using these new items tomorrow.

REMARKS

(Instructions received, miscellaneous remarks)

Mr. Chris Wagner asked for cross sections of the levee conditions on the West Bank between ± Sta. 115+00 and ± Sta. 110+00 (Land Side Only), for Breach Closure Plan purposes. These sections are required to be submitted by Friday 7-14-95.

Inspector Zane Bryant reminded Supt. Mike Tassin that no equipment can be started prior to 7:30 AM. Mr. Tassin stated that we would comply.

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

Jerry M Justice
Authorized Q C Representative

7-13-95
Date

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

DATE: 7-12-95

Pour Location West I-Wall Monolith #157

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.	
268770	1:00	1:35	3.0°	1 gal	4.5 ^x	84°	96°	5.8	3	1:15	9
268792	2:00	2:40	4.0°	0	4.0°	82°	96°	5.2	-	2:10	8

REMARKS: Test Cylinder set #55.

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

TECHNICIAN:
Steve Thome

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

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

REPORT NUMBER
153
DATE
Tuesday
11 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER
Partly Cloudy & Hot

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS				
STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %

TEMPERATURE	
MINIMUM 77°	MAXIMUM 97°

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 1-10 hrs	LABOR 2-11 hrs

Canal RIVER STAGE	
FEET 1.20'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES				NUMBER OF SHIFTS			
SUPERVISORY 2-18 hrs	SKILLED 10-90 hrs	LABORERS 4-38 hrs	TOTAL 16-146	FROM 0700 M	TO 1730 M	FROM M	TO M

1 2 3

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL

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 West Monos #154 & #159; Set forms and placed concrete for West Monos #152 & #164; Curing w/burlene on West Monos #154, #156, #158, #159, #160 & #161;

b) Set & tied bottom resteel for West Monos #146, #148 & #150, and wall stem resteel for West Monos #152 & #164.

Days of no work and reasons for same:
50% of day lost due to adverse weather/high tide on 10 July 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 Reports for details.

DATE SET FOR COMPLETION: 04 MAY 96 PERCENT PROJECT COMPLETE: 30.1%
PERCENT TIME ELAPSED: 52.5%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

RESTEEL INSTALATION: No instructions issued.

STEEL SHEET PILES: 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 this date:

REINFORCED CONCRETE FLOODWALL: Performed Pre-Placement Inspections on West Monos #152 & #164 prior to placing concrete (see attached LMN Form 1246's). Observed placement of concrete this date. Noted that concrete not being allowed to drop more than 5', is being placed in less than 18" lifts, and is being well vibrated. Witnessed testing and sampling of concrete being used this date (see attached Concrete Field Data Sheet for results). Checked and found that F/S of West Mono #164 has the required tapered fractured fin mold. Noted that West Monos #154, #156, #158, #159, #160 & #161 were all covered with wet burlene for curing as required. Noted that finisher patched all tie-rod holes in West Monos #154 & #159 this date after forms were removed. Checked surfaces of West Monos #154 & #159 after forms were removed and noted several air bubble holes, but no honeycombs.

RESTEEL INSTALLATION: Observed subcontr. (Arcadia) setting and tying all required resteel for the bottoms of West Monos #146, #148 & #150, and all required resteel for the wall stem sections of West Monos #152 & #164. All resteel was tied at 100% and spaced 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, as per PE, C. Wagner, that no sheet piles can be driven in the reach between EB/L Sta's 70+26 and 84+31, at this time, due to the fact that Contractor has not submitted the required field notes for the New I-Wall C/L Layout, nor has he submitted an approved Temporary Flood Protection Plan for this reach. No work can be performed in this area until the above mentioned items have been submitted to and approved by the COE. Mr. Tassin and Mr. Justice both agreed to concur with these instructions and all work was halted.

CONTROVERSIAL MATTERS IN DETAIL:

NONE

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

NOTE: Contractor submitted the Original Field Notes for the New I-Wall C/L Layout this afternoon. PE, C. Wagner reviewed these field notes and informed Messrs. Tassin and Justice that work may resume in the reach between EB/L Sta's 70+26 and 84+31, however, the existing capped floodwall must not be removed at this time or until COE approves their Temporary Flood Protection Plan for this reach.

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

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


GOVERNMENT PERSONNEL ON SITE

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
C. WAGNER	Civ. Engr., GS-11	1 hr.	PE
Z. BRYANT	Const. Insp., GS-07	9 hrs.	QAR

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

Checked and found fire extinguishers fully charged on the following equipment: 2-Komatsu 200 Excavators, 2-Case 580 Loader/Backhoes, 1-Mantis 3612 Crane, 1-Komatsu D37P Dozer, and 1-Koehring 535 Piledriver.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, CR.	DATE 12 July 95	SUPERVISOR'S INITIALS g	DATE 7/19/95
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FORM CHECK OUT FOR

STRUCTURE
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 152

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 7-11-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	7-11	2:50	ZAB	7-11-95	1450
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	"	"	"	"	"	"
HEADS	"	"	"	"	"	"
C. STAB. SLAB/JOINTS	JmJ	7-11	2:50	ZAB	7-11-95	1450
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	7-11	2:55	ZAB	7-11-95	1455
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	7-11	3:00	ZAB	7-11-95	1455
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmg	7-11	3:00	ZOB	7-11-95	1455		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmg	7-11	3:05	ZOB	7-11-95	1500		
G. SAFETY (LIST)	Jmg	7-11	3:05	ZOB	7-11-95	1500		
1. Rigging	✓	"	"	✓	✓	✓		
2. Eye Protection	✓	"	"	✓	✓	✓		
3. Ladders & Scaffolds	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	7-11	3:05	—	—	—		
Exp. Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1525	1.5				
Concrete Bucket	1	1.0 cu.	"	1.5				
Concrete Vibrator	1	18' whip	"	1.5				
J. REMARKS	SLUMP = 5" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 85° ;							
	AIR TEMPS = 95° ; 3 Test Cylinders (LA-54)							
	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

 STRUCTURE 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

West # 164

LIFT NO.:

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

7-11-95

(Tapered Fractured Fin)

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	<i>[Signature]</i>	7-11	11:25	<i>[Signature]</i>	7-11-95	1130
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	<i>[Signature]</i>	7-11	11:25	<i>[Signature]</i>	7-11-95	1130
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	<i>[Signature]</i>	7-11	11:30	<i>[Signature]</i>	7-11-95	1135
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	<i>[Signature]</i>	7-11	11:35	<i>[Signature]</i>	7-11-95	1140
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	<i>[Signature]</i>	7-11	11:35	<i>[Signature]</i>	7-11-95	1140		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.85'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	<i>[Signature]</i>	7-11	11:40	<i>[Signature]</i>	7-11-95	1145		
G. SAFETY (LIST)	<i>[Signature]</i>	7-11	11:40	<i>[Signature]</i>	7-11-95	1145		
1. Ladder	✓	"	"	✓	✓	✓		
2. Scaffold	✓	"	"	✓	✓	✓		
3. Rigging	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	<i>[Signature]</i>	7-11	11:40	<i>[Signature]</i>	7-11-95	1145		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	11:55	1.25				
Concrete Vibrator	1	18' whip	"	"				
Concrete Bucket	1	1.0 cu.	"	"				
J. REMARKS	SLUMP = 4.0" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 85° ; AIR TEMPS = 94° ; 3 Test Cylinders (LA-54)							
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 ASSURANCE REPORT SUPPLEMENT

OA Inspections Performed & Results: Observed concrete placement
for mono # 164 on west side. Concrete being
well vibrated for consolidation & tamps used
to control creep of concrete. Observed
personnel performing air & slump tests. (See
attached sheet for results). Burlap was wetted
down for curing purposes & subcontractor was
being reset for future monoliths.

Instructions to COC/Remarks: Informed Supt. Mike Tassin &
CQC rep. Jerry Justice that layout notes must
be submitted and Temp Flood Protection Plan
submitted & approved prior to beginning work
between Sta 70+25 to 84+31 (Mirabeau to Filmore Ave.)
east side. Both agreed to this.

Chris Wagner Proj Engr.
 Name Title

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

DATE: 7-11-95 REPORT NO.: 198
 SKIES: Pt. Cloudy RAIN: 0 IN. TEMP.: 77 MIN. 97 MAX
 DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (L2) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Carpenters wrecked I-wall forms at West Monoliths #159 + #154. Cleaned, oiled, and then set these forms at West Monoliths #164 and #152. (The canal side form used at #164 was the tapered frac. fin form prepared Saturday.) Cement finisher patched tie-bolt holes and finished concrete surfaces. Laborers covered walls with burlene blankets and wet them down with temp. water. Operator moved mats + other materials from P.S. #4 to Robert E Lee Blvd. Arcadia Rebar - Tied reinforcing steel for I-Wall at West Monoliths #150, #148, + #146 (bottom steel only), and set top re-steel at West Monoliths #164 and #152. Also pre-tied two more re-steel mats to be placed in I-Wall stems later.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
4	Unskilled	38	B+K Construction	Reinforced Concrete Floodwall
7	Skilled	66	"	forming, pouring, finishing, +
1	Supt.	10	"	curing.
1	Q.C. Rep	8	"	
3	Skilled	24	Arcadia Rebar	Tying reinforcing steel for I-Wall (See Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

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

TESTS PERFORMED

(As required by plans/specifications)

B&K Construction personnel performed concrete testing and inspection on Lafarge Concrete Company's Mix #44-C delivered today. Find the results of these tests attached on the Concrete Field Data Summary Sheet.

MATERIALS RECEIVED

Received 34 cubic yards of mix #44-C (Ready-mix concrete) from Lafarge today, and placed all of this material in West I-wall Monoliths #152 and #164. Batch weights & amounts were provided on the delivery tickets.

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

Inspected the I-wall formwork today at West Monoliths #164 and #152. The tapered fractured fin on the Canal side of #164 was checked and found to be correct. Fins were filled with foam and then smoothed over with mortar mix to form the shape of the taper. Alignment of the forms was checked - turnbuckles were used to set the top of these forms to correct alignment.

Top of the I-wall was set at +14.42 on the Land side, and +14.40 on the Canal side. Carpenters measured up 9.92' from control marks at +14.50 to set top of wall chamfer on the Land side at +14.42.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the fire extinguishers on board the Mantis Crane and Komatsu 200 Excavator today. A fully charged 5 lb. ABC extinguisher was found on each of these machines, readily accessible to the operator, in case of fire.

Checked workers for hard hats while on the levee. All employees were wearing proper hard hats.

REMARKS

(Instructions received, miscellaneous remarks)

No sheet piling work was done today - The Project Inspector stopped Gill's Crane Service from driving C2-101 sheet piling on the East Bank at sta. 84+30, due to the fact that 2 of I-wall Field Notes were not turned in, nor was a letter submitted describing the sequence of construction we plan to use on this next reach of I-wall. These items will be submitted today in hopes of beginning work here tomorrow.

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.

Jerry Justice
Authorized QC Representative

7-12-95
Date

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

DATE: 7-11-95

Pour Location West I-Wall Monoliths #164 and #152

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.
268452	11:45	12:15	2.0°	20 Gal	4.0 ^x	85° 94°	5.0	3	12:00	9
268465	12:12	1:10	3.0°	10 Gal	4.0°	82° 94°	-	-	12:30	8
268523	3:25	4:10	2.0°	25 Gal	5.0 ^x	85° 95°	5.2	-	3:45	9
868528	3:35	4:30	3.0°	12 Gal	4.0°	83° 95°	-	-	4:20	8

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 OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

TO Area Engineer, CELMN-CD-NO						COPY TO: C/Const. Div. CELMN-CD						REPORT NUMBER 152			
PROJECT Lake Pontchartrain, La. and Vicinity, London Ave. Canal, Mirabeau Ave. to Leon C. Simon Blvd., Orleans Parish, Louisiana.												DATE Monday 10 July 1995			
CONTRACTOR (Or hired labor) B & K Construction Company, Inc. 1905 Highway 59, Mandeville, La. 70448												CONTRACT NUMBER DACW29-94-C-0079			
PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS												WEATHER Cloudy & Hot with Rain			
STRUCTURAL EXCAVATION 50 %		BORROW EXCAVATION 50 %		EMBANKMENT 50 %		CONCRETE 50 %		STRUCTURE 50 %		TEMPERATURE		MINIMUM 77°		MAXIMUM 97°	
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 0.30"		ENDING 0730	
NUMBER OF GOVERNMENT EMPLOYEES												Canal RIVER STAGE			
SUPERVISORY		OFFICE		LAYOUT		INSPECTION 1-10 hrs		TOTAL 1-10 hrs		LABOR		FEET 1.00'		TIME 0800	
NUMBER OF CONTRACTOR'S EMPLOYEES						NUMBER OF SHIFTS <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3									
SUPERVISORY 2-20 hrs		SKILLED 13-99 hrs		LABORERS 4-36 hrs		TOTAL 19-155		FROM 0700 M		TO 1730 M		FROM M		TO M	

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

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

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

- a) Completed forming & placed concrete for West Monos #155 & #159; Removed existing concrete cap between WB/L Sta's 113+70 & 114+50; Graded & formed for stab slab between WB/L Sta's 111+50 & 112+15;
- b) Moved Koehring 535 Crane to east levee between Filmore and Mirabeau Avenues.
- c) Set & tied bottom steel for West Monos #152, #155 & #157, and top steel for W. Mono #155.

Days of no work and reasons for same:
50% of day lost due to adverse weather/high tides on 10 July 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.
Progressive work was scheduled and performed this date by B&K, Gill, and Arcadia. However, work was hampered by early morning (0800 hrs.) rainfall.

DATE SET FOR COMPLETION: 04 May 96 **PERCENT PROJECT COMPLETE:** 29.9%
PERCENT TIME ELAPSED: 52.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:
Attended the following CQC Inspection Phases this date:
REINFORCED CONCRETE FLOODWALL: No instructions issued.
SELECTIVE DEMOLITION: No instructions issued.
STEEL SHEET PILES: No instructions issued.
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: Performed Pre-Placement Inspection, on West Monos #155 & #159, prior to placing concrete (see attached LMN Form 1246's). Observed placement of concrete this date. Noted contractor not allowing concrete to drop more than 5', placing concrete in lifts of less than 18", and providing adequate vibrations. Witnessed QC Rep. performing required concrete testing & sampling (see attached Concrete Field Data Sheet for results). Noted that B&K has graded & formed for stab. slab between WB/L Sta's 111+50 & 112+15. Stab slab graded to allow for +4.0" of concrete as required.

SELECTIVE DEMOLITION/TEMPORARY FLOOD PROTECTION: Contractor removed the existing concrete cap from between WB/L Sta's 113+70 and 114+50, by cutting existing sheet piles off at elev. +6.75' for temporary flood protection. Existing concrete cap was placed on F/S of sheet piles.

RESTEEL INSTALLATION: Checked and found subcontr. (Arcadia) has installed all required bottom resteel for West Monos #152, #155 & #157, and all required resteel for wall stem section of West Mono #155. All resteel was tied at 100% and 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)

NONE

CONTROVERSIAL MATTERS IN DETAIL.

NONE

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

NOTE: Subcontractor (Gill) moved the Koehring 535 Crane from the East Levee adjacent to R. E. Lee Blvd. to East Levee adjacent to Mirabeau Ave. Will move remaining pile driving equipment on Tue., 7/11/95.


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	9 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 this date. See attached minutes.
 Noted cutting torch sets had properly installed anti-flow back valves.
 No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 12 July 95	SUPERVISOR'S INITIALS gw	DATE 7/11/95
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FORM CHECK OUT FOR

 STRUCTURE
 REINFORCED CONCRETE FLOODWALL

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

DACW29-94-C-0079

MONOLITH

West # 159

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

7-10-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	7-10	10:35	ZJB	7-10-95	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	7-10	10:35	ZJB	7-10-95	1100
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	7-10	10:40	ZJB	7-10-95	1105
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	7-10	10:45	ZJB	7-10-95	1110
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmf	7-10	10:45	ZAB	7-10-95	1110
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.86'	✓	"	"	✓	✓	✓
WIDTH 1.75' → 1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	7-10	10:50	ZAB	7-10-95	1115
G. SAFETY (LIST)	JmJ	7-10	10:50	ZAB	7-10-95	1115
1. Eye Protection	✓	"	"	✓	✓	✓
2. Rigging	✓	"	"	✓	✓	✓
3. Ladder & Scaffold	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	7-10	10:55	ZAB	7-10-95	1115
Exp. Material		"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1125	1.5				
Concrete Bucket	1	1.0 c.y.	1125	1.5				
Concrete Vibrator	1	18' whip	1125	1.5				

J. REMARKS SLUMP = 4 1/2" & 4" ; AIR ENTR. = 5.7% & 5.4% ; CONCRETE TEMPS = 79° & 77° ;
 AIR TEMPS = 82° & 82° ; 3 Test Cylinders (LA-53)

FINAL CLEARANCE

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

FC CHECK OUT FOR

STRUCTURE
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 154

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 7-10-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	7-10	1:20	ZAB	7-10-95	1400
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	7-10	1:20	ZAB	7-10-95	1400
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	7-10	1:25	ZAB	7-10-95	1405
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	7-10	1:30	ZAB	7-10-95	1410
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	7-10	1:30	ZAB	7-10-95	1410		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	7-10	1:35	ZAB	7-10-95	1415		
G. SAFETY (LIST)	Jmj	7-10	1:35	ZAB	7-10-95	1415		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Ladder + Scaffold	✓	"	"	✓	✓	✓		
3. Rigging check	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	7-10	1:40	-	-	-		
Exp. Material	NONE THIS POUR		"	"				
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1435	1.25				
Concrete Bucket	1	1.0 c.y.	1435	1.25				
Concrete Vibrator	1	18' whip	1435	1.25				
J. REMARKS	* Same as west monolith # 159 , SLUMP = ; AIR ENTR. = ; CONCRETE TEMPS = AIR TEMPS = ; 3 Test Cylinders (LA-53) FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice			C.O.E. REPRS:	Zachary [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: 7-10-95 REPORT NO.: 197
 SKIES: Cloudy - Pt. Cloudy RAIN: 0.30 IN. TEMP.: 77 MIN. 97 MAX
 DUST: NONE LEVEE CONDITION: DAMP CANAL GAUGE: (L.O) NOISE: Moderate

WORK PERFORMED/LOCATION

7-9-95 Sunday - No work performed.

7-10-95 Monday - B&K Construction - Completed formwork on West Monoliths #159 and #155. Poured concrete at West I-Wall Monoliths #159 and #155 today (after a slight rain delay early this morning). Demolished existing floodwall from West B station 114+50 to station 113+70. Graded soil and formed up stabilization slab from West B Sta. 112+15 to Sta. 111+50. Cement Finisher patched tie-bolts holes + finished concrete surfaces. Gill's Crane Service - Moved the Koehring 535 Crane from Robert E. Lee Blvd to Mirabeau Avenue by truck/trailer. Then walked the crane down the levee to begin work at Filmore Ave. (No piling work done today)

Arcadia Rebar - Tied re-steel at West Monoliths #157, #155, + #152 (bottom steel only), and at West Mono. #155 (top steel). Pre-tied 2 mats for I-Wall stems, for future placement.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
4	Unskilled	36	B&K Const.	Reinforced Concrete Floodwall -
7	Skilled	67	"	Forming, Pouring, Finishing + Curing
1	Supt.	10	"	Concrete; Demolishing existing
1	QC, Rep	10	"	Concrete cap; Patching + Rubbing concrete. (See Locations Above)
2	Skilled	4	Gill's Crane	Moving 535 Crane to East Bank at Mirabeau → Filmore.
4	Skilled	28	Arcadia Rebar	Tying Reinforcing steel for new I-Wall (See Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	—	yes	6	4	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe	—	yes	3	7	—
Koehring 535 Crane	—	yes	2	6	—
MKT Vibro Hammer	—	No	0	8	—
Case 580 Backhoe	—	No	0	8	—
Welding Machine	—	No	0	8	—
MOTOR GRADER	—	No	0	8	—
Komatsu 200 Exc.	—	yes	3	5	—
Mantis Crane	—	yes	7	3	—

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction personnel performed concrete testing and inspection on Mix #44-c (Ready-mix Concrete) delivered by Lafarge Conc. Co. today. Three cylinders were molded from this material and they will be delivered to the Government Lab on 7-12-95. Find test results attached on the "Concrete Field Data Summary" Sheet.

MATERIALS RECEIVED

Received 34 cubic yards of concrete from Lafarge Conc. Co. today (Mix #44-C). Placed all of this material in West I-wall Monoliths #159 and #155 today. Tickets from Lafarge's delivery trucks were supplied to the Project Inspector with all necessary information printed thereon.

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

I inspected the I-Wall formwork today prior to concrete placement. LNU Form 1246 was completed as a pre-placement checklist. Re-steel clearances had to be adjusted on both West Monolith #159 and #155 prior to placement of concrete. Form alignment also required minor adjustment before and after concrete placement. Turnbuckle braces were adjusted to bring the top of the forms to correct wall alignment, plus or minus 0.02'. Top of I-Wall elevation was +14.42 on the Land Side, and +14.40 on the Canal Side. No deficiencies were noted on any checklist items, after these adjustments were made.

JOB SAFETY

(Note inspection, violations/actions taken)

Held the weekly safety meeting today in the job trailer on site. The topic of discussion was a review of B&K Construction Company's Safety Program, and the responsibilities that each employee, foreman, and Superintendent have according to that policy. Find minutes of the meeting attached to this report.

REMARKS

(Instructions received, miscellaneous remarks)

Some delay was incurred this morning as a rain shower passed over at 8:00 AM. Site conditions were wet and difficult, and concrete placement was delayed 2 or more hours while waiting for weather to clear and soil to dry.

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.

Jerry M Justice

Authorized QC Representative

7-11-95

Date

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

DATE: 7-10-95

Pour Location West I-Wall Monolith #154 + #159

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.	
268272	10:55	12:00	3.5°	5	4.5 ^x	79°	85	5.7	3	11:45	9
268285	11:30	1:00	2.0°	20	4.0°	77°	85	-	-	12:00	8
268319	2:20	3:20	1.5°	25	4.0°	84°	90	-	-	2:35	9
268285	3:05	3:45	1.5°	15	4.0 ^x	83°	90	5.4	-	3:40	8

REMARKS:

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

TECHNICIAN:
Steve Thome

MINUTES OF SAFETY MEETING

DATE: 7-10-95

TIME: 7:00 AM

PROJECT: London Avenue Floodwall Project
DACW29-94-C-0079

MEETING CONDUCTED BY: Jerry Justice

PERSONS ATTENDING:

Steve Thome
Tommy Leonard
Mike Conway
Eric Barber
Robert Delane Jr.
Robert Smith
Blair

Margaret Jackson
William Miller
Bryan Verdun
Jerry Justice

TOPICS DISCUSSED:

Reviewed BTK Construction's Safety Program today, with emphasis on the responsibilities of employees, superintendents, and foremen. Employees were instructed to report any unsafe acts they observe, and any defective tools or equipment, to their foreman or supt. Tools or equipment with defects or safety problems should be taken out of service immediately. No employee is allowed to operate machinery without being qualified and given permission by the Supt. on the job. Operators have a greater responsibility to the safety of other employees. Each piece of equipment should be inspected every morning; any defective equipment must be corrected before being placed in service.

COMMENTS:

At today's meeting, the point was stressed that safety comes first, even before production. The reasoning behind this is that accidents and injuries are costly to the company, as well as to the employee. Take the time to make your work safe before accidents happen.

[Signature]
CONTRACTOR'S SUPERINTENDENT

**INSPECTOR'S 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
151

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

DATE
30 June thru 09 July 1995

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

CONTRACT NUMBER
DACW29-94-C-0079

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

WEATHER
See CQC Reports

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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TEMPERATURE	
MINIMUM 74°	MAXIMUM 96°

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

24 HOUR PRECIPITATION	
INCHES 7/1/95 2.30"	ENDING 0800 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY 3-10 hrs	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 4-18 hrs	LABOR
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Canal RIVER STAGE	
FEET 1.40' to 1.70'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-76½ hrs	SKILLED 12-334½ hrs	LABORERS 6-216 hrs	TOTAL 20-627	FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
--------------------------	------------------------	-----------------------	-----------------	----------------	--------------	-----------	---------	-----------	---------

NUMBER OF SHIFTS

1 2 3

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; STRUCT. EXC.; SELECT. DEMO
- b. Gill's Crane Service, Inc. - EXISTING 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)

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

Days of no work and reasons for same:

No delays were incurred so far this month.

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

Progressive work was scheduled and performed by B&K, Gill, and Arcadia during this period, except on 02,03 & 04 July 95, at Contractor's Option.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 52.3% 29.6%
PERCENT TIME ELAPSED: 29.6% 52.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

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

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

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

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

ACO, C. Ashley granted verbal permission to B. Kenyon of B&K to extract the existing RZ-10 steel sheet piles from the existing levee from between EB/L Sta's 102+67 and 119+02. This verbal permission was issued on Thurs., 06 July 95. However, all voids shall be filled in accordance with paragraph C2G-9.5 of the contract specifications. Mr. Kenyon agreed to concur with these instructions.

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
C. ASHLEY	Area Engineer, GM-14	1 hr.	ACO
D. DUHON	Suprv. Civ. Engr., GS-12	1 hr.	SCE
C. WAGNER	Civ. Engr., GS-11	8 hrs.	PE
K. BRUNO	Civ. Engr. Tech., GS-04	7 hrs.	Trainee

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

See attached PE's QA Supplemental Reports.

INSPECTOR'S SIGNATURE

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

DATE

11 July 95

SUPERVISOR'S INITIALS

lmw *AD*

DATE

7/14/95

FI CHECK OUT FOR

STRUCTURE
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO.

DACW29-94-C-0079

MONOLITH West # 161

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 7-7-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	7-7	12:35			
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	7-7	12:40			
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	7-7	12:45			
VERTICAL	✓	"	"			
HORIZONTAL	✓	"	"			
SPACING	✓	"	"			
CLEARANCES	✓	"	"			
STEEL SCHEDULE	✓	"	"			
SHOP DRAWINGS	✓	"	"			
TIE WIRES	✓	"	"			
#6 BAR WELDED	✓	"	"			
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
E. FORMWORK	Jmd	7-7	12:50			
CONDITION	✓	"	"			

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	7-7	12:50					
CLEANLINESS	✓	"	"					
RELEASING AGENT	✓	"	"					
TIES AND BOLTS	✓	"	"					
LENGTH 28.86'	✓	"	"					
WIDTH 1.75' → 1.00'	✓	"	"					
HEIGHT 11.40'	✓	"	"					
WATERSTOPS	✓	"	"					
CHAMFER STRIPS	✓	"	"					
F. WEATHER PROTECTION	Jmj	7-7	12:55					
G. SAFETY (LIST)	Jmj	7-7	12:55					
1. Eye Protection	✓	"	"					
2. Rigging Check	✓	"	"					
3. Ladder + Scaffold	✓	"	"					
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	7-7	12:55					
Exp. Material	✓	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1320	1.5				
Concrete Bucket	1	1.0 c.y.	1320	1.5				
Concrete Vibrator	1	18' Whip	1320	1.5				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 83° ; AIR TEMPS = 90° ; 3 Test Cylinders (LA-52)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: * NONE PRESENT				
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

STRUCTURE
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH West# 156

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 7-7-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	7-7	2:45			
VERTICAL	✓	"	"			
ALIGNMENT	✓	"	"			
CLEANLINESS	✓	"	"			
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmg	7-7	2:45			
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	7-7	2:50			
VERTICAL	✓	"	"			
HORIZONTAL	✓	"	"			
SPACING	✓	"	"			
CLEARANCES	✓	"	"			
STEEL SCHEDULE	✓	"	"			
SHOP DRAWINGS	✓	"	"			
TIE WIRES	✓	"	"			
#6 BAR WELDED	✓	"	"			
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
E. FORMWORK	Jmg	7-7	2:55			
CONDITION	✓	"	"			

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmg	7-7	2:55					
CLEANLINESS		"	"					
RELEASING AGENT	✓	"	"					
TIES AND BOLTS	✓	"	"					
LENGTH 28.85'	✓	"	"					
WIDTH 1.75' → 1.00'	✓	"	"					
HEIGHT 11.40'	✓	"	"					
WATERSTOPS	✓	"	"					
CHAMFER STRIPS	✓	"	"					
F. WEATHER PROTECTION	Jmg	7-7	3:00					
G. SAFETY (LIST)	Jmg	7-7	3:00					
1. Ladder & Scaffold	✓	"	"					
2. Rigging Check	✓	"	"					
3. Eye Protection	✓	"	"					
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	7-7	3:05					
Expansion Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1545hrs	1.5				
Concrete Bucket	1	1.0 c.y.	1545	1.5				
Concrete Vibrator	1	18' whip	1545	1.5				
J. REMARKS	SLUMP = 4.5" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 82° ;							
	AIR TEMPS = 91° ; 3 Test Cylinders (LA-52)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice				C.O.E. REPRS:			
					* NONE PRESENT			
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.								

CHECK OUT FOR STRUCTURE
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO.
 DACW29-94-C-0079

MONOLITH
 West # 158

LIFT NO.:
 ONE

ELEVATION
 from 3.00 to 14.40

DATE OF POUR
 7-6-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	7-6	12:10			
VERTICAL	✓	"	"			
ALIGNMENT	✓	"	"			
CLEANLINESS	✓	"	"			
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmj	7-6	12:15			
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	7-6	12:20			
VERTICAL	✓	"	"			
HORIZONTAL	✓	"	"			
SPACING	✓	"	"			
CLEARANCES	✓	"	"			
STEEL SCHEDULE	✓	"	"			
SHOP DRAWINGS	✓	"	"			
TIE WIRES	✓	"	"			
#6 BAR WELDED	✓	"	"			
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
E. FORMWORK	Jmj	7-6	12:25			
CONDITION	✓	"	"			

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	7-6	12:25					
CLEANLINESS	✓	"	"					
RELEASING AGENT	✓	"	"					
TIES AND BOLTS	✓	"	"					
LENGTH 28.86'	✓	"	"					
WIDTH 1.75' → 1.00'	✓	"	"					
HEIGHT 11.40'	✓	"	"					
WATERSTOPS	✓	"	"					
CHAMFER STRIPS	✓	"	"					
F. WEATHER PROTECTION	JmJ	7-6	12:30					
G. SAFETY (LIST)	JmJ	7-6	12:30					
1. Eye Protection	✓	"	"					
2. Rigging Check	✓	"	"					
3. Ladder + Scaffolds	✓	"	"					
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	7-6	12:30					
Expansion Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1330 hrs	1:45				
Concrete bucket	1	10 c.y.	"	"				
Concrete vibrator	1	18' whip	"	"				
J. REMARKS	SLUMP = 4" + 3.75" ; AIR ENTR. = 4.8% + 5.2% ; CONCRETE TEMPS = 82° + 84° ; AIR TEMPS = 89° + 90° ; 3 Test Cylinders (LA-51)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice					C.O.E. REPRS: * NONE PRESENT			
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.								

FOI CHECK OUT FOR

STRUCTURES
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 160

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 7-5-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	<i>Mike Tami</i>	7/5/95	13:00	<i>yw</i>	7/5/95	13:05
VERTICAL	"	"	"	"	"	"
ALIGNMENT	"	"	"	"	"	"
CLEANLINESS	"	"	"	"	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	<i>Mike Tami</i>	7/5/95	13:00	<i>yw</i>	7/5/95	13:05
CLEANLINESS	"	"	"	"	"	"
WATERED	"	"	"	"	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	<i>Mike Tami</i>	7/5/95	13:00	<i>yw</i>	7/5/95	13:05
VERTICAL	"	"	"			
HORIZONTAL	"	"	"			
SPACING	"	"	"			
CLEARANCES	"	"	"			
STEEL SCHEDULE	"	"	"			
SHOP DRAWINGS	"	"	"			
TIE WIRES	"	"	"			
#6 BAR WELDED	"	"	"			
CLEANLINESS	"	"	"			
WATERED	"	"	"			
E. FORMWORK	<i>Mike Tami</i>	7/5/95	13:00	<i>yw</i>	7/5/95	13:10
CONDITION	"	"	"	"	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	<i>McLain</i>	7/5/95	13:00	<i>gwd</i>	7/5/95	13:10
CLEANLINESS	"	"	"	"	"	"
RELEASING AGENT	"	"	"	"	"	"
TIES AND BOLTS	"	"	"	"	"	"
LENGTH 28.87'	"	"	"	"	"	"
WIDTH 1.75' → 1.00'	"	"	"	"	"	"
HEIGHT 11.40'	"	"	"	"	"	"
WATERSTOPS	"	"	"	"	"	"
CHAMFER STRIPS	"	"	"	"	"	"
F. WEATHER PROTECTION	<i>McLain</i>	7/5/95	13:00	<i>gwd</i>	7/5/95	13:15
G. SAFETY (LIST)	<i>McLain</i>	7/5/95	13:00	<i>gwd</i>	7/6/95	13:15
1. Eye Protection	"	"	"	"	"	"
2. Rigging Check	"	"	"	"	"	"
3. Ladder + Scaffold	"	"	"	"	"	"
H. OTHER CHECKS PER SPECIFIC JOB	<i>McLain</i>	7/5/95	13:00	<i>gwd</i>	7/6/95	13:15
Expansion Material	"	"	"	"	"	"

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	14:00	2				
Concrete Bucket	1	1.0 c.y.	14:00	2				
Concrete Vibrator	1	18' whip	14:00	2				

J. REMARKS SLUMP = 4.25" + 4.00"; AIR ENTR. = 5.2% + 5.6%; CONCRETE TEMPS = 89° + 90°;
 AIR TEMPS = 94° + 92° ; 3 Test Cylinders (LA-50)

CONTRACTOR REPRS: *McLain* FINAL CLEARANCE C.O.E. REPRS: *Chris J. Keegan*

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.

STRUCTURES
 REINFORCED CONCRETE FLOODWALL

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

MONOLITH West# 163
 LIFT NO. ONE
 ELEVATION from 3.00 to 14.40
 DATE OF POUR 6-30-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	6-30	3:05	ypw	6/30	3:10
VERTICAL	✓	"	"			
ALIGNMENT	✓	"	"			
CLEANLINESS	✓	"	"			
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	6-30	3:05	ypw	6/30	3:10
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	6-30	3:10	ypw	6/30	3:15
VERTICAL	✓	"	"			
HORIZONTAL	✓	"	"			
SPACING	✓	"	"			
CLEARANCES	✓	"	"			
STEEL SCHEDULE	✓	"	"			
SHOP DRAWINGS	✓	"	"			
TIE WIRES	✓	"	"			
#6 BAR WELDED	✓	"	"			
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
E. FORMWORK	JmJ	6-30	3:15	ypw	6/30	3:20
CONDITION	✓	"	"	"	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmg	6-30	3:15	gws	6/30	3/20		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.87'	✓	"	"	✓	"	"		
WIDTH 1.75' → 1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	Jmg	6-30	3:20	gws	6/30	3:25		
G. SAFETY (LIST)	Jmg	6-30	3:20	gws	6/30	3:25		
1. Rigging	✓	"	"	"	"	"		
2. Scaffold + Ladder	✓	"	"	"	"	"		
3. Eye + Hand Protection	✓	"	"	"	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	6-30	3:25	gws	6/30	3:25		
Exp. Material	South End Only ✓	"	"	"	"	"		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Tractor	1600 hrs	1.5 hrs				
Conc. Bucket	1	1.0 c.y.	"	"				
Conc. Vibrator	1	18' whip	"	"				
J. REMARKS	* See check out sheet for west Monolith #165							
	SLUMP =		AIR ENTR. =		CONCRETE TEMPS =			
	AIR TEMPS =		; 3 Test Cylinders (LA-49)					
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice					C.O.E. REPRS: Chief Haynes			
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
EQUIPMENT

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

TESTS PERFORMED
(As required by plans/specifications)

NONE PERFORMED TODAY

MATERIALS RECEIVED

NONE RECEIVED TODAY

FORM CHECK OUT FOR

STRUCTURAL
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 165

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 6-30-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	6-30	12:35	ypw	6-30	1245
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	6-30	12:35	ypw	6-30	1245
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	6-30	12:40	ypw	6-30	1250
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmJ	6-30	12:45	ypw	6-30	1255
CONDITION	✓	"	"	✓	"	"

DATE 7-7-95

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed concrete placement for mono # 156. Performed pre-placement check-out list for monos # 156 + 156 and witnessed air + slump tests for mono # 156. Observed subcontractor continuing to tie rebar for next monoliths. Surveyors laying out next reach between Filmore + Mirabeau Ave on east side in preparation for driving permanent sheet piling.

Instructions to COC/Remarks: Supt. Mike Tassin requested permission to place concrete + drive shafts for the weekend. This request was denied; however other minor tasks were allowed.

Chunf. Nguyen Proj. Engr
Name Title

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed personnel cutting
existing shafts on west side in order to remove
existing floodwell cap. Shafts were cut off
2 el. 6.75' + existing cap removed + placed
on floodside of well. Observed carpenters
setting forms for concrete placement in preparation
for pour. Performed pre-placement check-out
list. however concrete was placed after I
had left site. All personnel were wearing
safety shoes, hard hats + gloves when
performing work on-site.

Instructions to COC/Remarks: N/A

Chunf Wagner Proj Engr
Name Title

DATE: 7-5-98

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Contractor continuing to remove existing floodwall cap between R.E. Lea + Pumping Sta. # on west side. Cutting shafts to el. 6.75' + placing cut-off cap on floodside of wall. Observed concrete placement for mono # 160 + tying of - rebar for next placement. Witnessed taking of air + slump tests for wall that was placed today. Vibrators also being used to consolidate concrete.

Instructions to COC/Remarks: None given today.

Chunf Wagner Proj Engr
Name Title

DATE 6-30-95

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results:

Performed pre-placement
check-out list on mono's 163 + 165. The
2" clearances @ ends + sides were at least
were not correct + but then adjusted as
corrected required. Vertical bars at bottom
of wall also needed to be tied. (See
comments below). Witnessed placing of concrete
+ taking of air + slump tests. (See attached
sheet for results) Concrete was wall vibrated
+ trammers were used to limit drop to
less than 5'.

Instructions to COC/Remarks:

Informal COC rep Jerry Justice
that rebar needs to be corrected prior
to placing concrete in wall. Steel was
then adjusted + bars tied as required +
then inspected. O.K. was then given to place
concrete

Chunf Wagner
Name

Proj Engr
Title

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

DATE: 7-8-95 Saturday REPORT NO.: 196
 SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 75 MIN. 97 MAX
 DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (L.6) NOISE: Minimal

WORK PERFORMED/LOCATION

B+K Construction - Wrecked forms at I-Wall Monoliths #156 + #161 (West Bank). Set forms at west monolith #159 (both sides) and West monolith #154 (Canal side form only). Reinforcing steel for stem at Monolith #159 was pre-tied by Arcadia Rebar, and set in place by B+K Const. carpenters today. Installed bond cables for cathodic protection on the West Bank at Monolith Joints as follows: Jt. #140-139, #139-138, #138-137, #137-136, #136-135, #135-134, #134-133, #133-132, #132-131 and #131-130. Operator continued stringing out NEW C2-101 sheet piling along the East Bank between sta. 84+30 and sta. 81+00. Surveyors finished 2/3 of I-Wall Layout on the East Bank from Mirabeau to Filmore Avenues. Carpenters finished the tapered frac. fin form. Gill's Crane Service - Loaded approx. 110 lf. of pulled R2-10 Sheets onto trucks and hauled these off the jobsite. No other work performed.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
4	Unskilled	24	B+K Const.	Reinforced Concrete floodwall work
7	Skilled	55	"	Wrecking + setting forms, finishing
1	Supt.	8.5	"	+ curing concrete; Cathodic
1	Q.C. Rep	8	"	Protection Bond Cables; layout of
				I-Wall. (See Locations Above)
1	Skilled	2.5	Gill's Crane	Loading up and hauling off
1	Unskilled	2.5	"	scrap R2-10 sheet piling
				(See Above)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	Yes	4	4	-
Komatsu D37P Dozer	-	Yes	2	6	-
Kubota 151 Excavator	-	Yes	2	6	-
Case 580 Backhoe	-	Yes	3	5	-
Koehring 535 Crane	-	Yes	2.5	5	-
MKT Vibro Hammer	-	No	0	8	-
Motor Grader	-	No	0	8	-
Case 580 Backhoe	-	No	0	8	-
Welding Machine	-	No	0	8	-
Komatsu 200 Exc.	-	Yes	4	4	-
MANTIS CRANE	-	Yes	6	2	-

TESTS PERFORMED
(As required by plans/specifications)

NONE TODAY

MATERIALS RECEIVED

NONE TODAY

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

Inspection of bond cables for cathodic protection revealed the following: Materials used were KALAS MFG. 1/0 Cathodic Protection cable (insulated), Erico Products cadwelds, and Royston Handy-caps (epoxy coating). The bond cables were exothermically welded to the new sz-101 sheet piling at each side of the Monolith Joint interlock. Welds were checked to insure a good connection. Epoxy caps were placed over the bare portion of the cables. Location of the welds was $\pm 6"$ below the bottom of stabilizer slab (\pm Elev. +2.20)

JOB SAFETY
(Note inspection, violations/actions taken)

Checked for fuel/oil leaks on equipment. No major leaks were observed. No contamination of soil was noted. Fuel/oil storage dike was in good condition. A fully charged fire extinguisher was mounted on the office steps $\pm 70'$ from the fuel tank.

REMARKS
(Instructions received, miscellaneous remarks)

Field notes from $\&$ I-Wall layout will be handed in to the Project Inspector Zane Bryant on Monday 7-10-95.

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.

Jerry Justice
Authorized QC Representative

7-10-95
Date

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

DATE: 7-7-95 REPORT NO.: 195

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 75 MIN. 96 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.7) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Wrecked forms at West Mono. #158. Set forms, and poured concrete at West Mono. #161 and #156 today. Demolished existing floodwall on the West Bank from sta. 114+90 to sta. 114+50. Moved new CZ-101 sheet piling into position at East Bank between sta. 84+30 and sta. 81+50, preparing to drive sheet piling here next week. Surveyor worked on $\frac{1}{2}$ of New I-Wall layout on the East Bank between Mirabeau + Filmore.

Gill's Crane Service - Pulled existing RZ-10 sheet piling on the East Bank between station 117+40 and station 116+30. These piling were stacked on the levee (to be hauled off tomorrow).
Arcadia Rebar - Tied re-steel for West I-Wall Monolith #159 (bottom only), and for west Monoliths #161 and #156 (tops only).

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	49	B+K Const.	Reinforced concrete floodwall (forming, pouring, finishing, curing, and wrecking forms); Demolition of existing floodwall; stringing out new CZ-101 sheet piling; Laying out $\frac{1}{2}$ of I-Wall (see locations Above)
7	Skilled	70	"	
1	Supt.	10.5	"	
1	QC Rep.	8	"	
2	Skilled	8	Arcadia Rebar	Tying re-steel for I-Wall (see Locations Above)
2	Skilled	16	Gill's Crane	Pulling existing RZ-10 sheet piling on the East Bank (see Locations Above)
1	Unskilled	8	"	

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	yes	6	2	-
Komatsu D37P Dozer	-	yes	3	5	-
Kubota 151 Excavator	-	No	0	8	-
Case 580 Backhoe	-	yes	2	6	-
Koehring 535 Crane	-	yes	6	2	-
MKT Vibro Hammer	-	yes	6	2	-
Case 580 Backhoe	-	No	0	8	-
Motor Grader	-	No	0	8	-
Welding Machine	-	No	0	8	-
Komatsu 200 Exc.	-	yes	5	3	-
Mantis Crane # 3612	-	yes	5	3	-

TESTS PERFORMED

(As required by plans/specifications)

B&K Construction performed testing and inspection on Ready-mix Concrete from Lafarge Concrete Company today. Results are attached to this report on the Concrete Field Data Summary. Three test cylinders were molded, and will be delivered to the Government Lab on Monday.

MATERIALS RECEIVED

Received 34 cubic yards of Ready-mix concrete from Lafarge Conc. Co. today. This material (Mix #44-c) was placed in T-wall forms for west Monoliths #161 and #156 today. Delivery tickets were provided to the Project Inspector Zane Bryant, complete with batch weights.

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

Inspected the pulling of exist. R2-10 Sheet piles today on the East Bank at I station 117+00. The MKT Vib. Hammer was used to pull these sheets out of the ground. No voids were observed after pulling; the vibrating action of the hammer caused the slight voids to fill in as the work progressed. No damage to the new I-Wall was observed.

Also inspected the I-Wall concrete work done today. I-Wall forms were set using o/s lines and distances marked on the seal slab. Alignment was achieved using turnbuckle braces. Top of wall was +14.40.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the ladder & scaffold at the I-wall forms today. The ladder was tied off at the top to prevent slippage. The ladder itself was in like new condition. Non-skid foot pads were placed on the concrete seal slab for stability.

REMARKS

(Instructions received, miscellaneous remarks)

We requested permission to work tomorrow (Saturday). The request was denied by the Government, however some work was okayed for tomorrow. No sheet pile work or concrete placement can be done, but we plan to work on survey-layout, and preparing the tapered frac. fin form for next week.

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.

Jerry M. Justice
Authorized QC Representative

7-10-95
Date

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

DATE: 7-7-95

Pour Location West I-Wall Monoliths #161 and #156

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
267975	1:00	1:45	2.0°	20Gal	4.0 ^x	83° 90°	5.0	3	1:25	9
267997	1:50	2:45	2.0°	10Gal	4.0°	82° 90°	-	-	2:05	8
268036	3:35	4:20	2.0°	20Gal	4.5 ^x	82° 91°	5.2	-	4:00	9
268050	4:30	5:23	2.0°	15Gal	4.0°	83° 90°	-	-	4:50	8

REMARKS:

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

TECHNICIAN:
Steve Thome

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

DATE: 7-6-95 REPORT NO.: 194

SKIES: Pt. Cloudy RAIN: 0 IN. TEMP.: 74 MIN. 96 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (L.7) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Wrecked I-Wall forms at west Mono. #160, Then formed and placed concrete at West Mono. #158 today. Performed structural excavation on the East Bank from sta. 81+25 to sta. 80+50. Used the material from excavation to widen the Temp. Access Road in the same area. Carpenters worked on tapered frac. fin form, blocking out fins with expanding foam material. Surveyor worked on $\frac{1}{2}$ of I-Wall layout and References on the East Bank between Mirabeau and Filmore. Continued cross-sections of existing conditions for H.B. Kenyon. Demolished existing floodwall on the West Bank from sta. 115+30 to sta. 114+90. Arcadia Rebar - Tied reinforcing steel for I-Wall at west Monolith #161 (bttm. steel only), set one pre-tied steel mat at Monolith #158 (top only), and pre-tied one more steel mat for future placement.

CONTRACTOR/SUBCONTRACTORS AND
AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	53	B+K Const.	Reinforced Concrete Floodwall
6	Skilled	62	"	work; Structural Excavation;
1	Supt	10.5	"	I-wall layout + Cross-Sections
1	Q.C. Rep.	8	"	for H.B. Kenyon.
				(See Locations Above)
4	Skilled	20	Arcadia Rebar	Tying Reinforcing steel for
				I-wall Monoliths
				(See Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	yes	4	4	-
Komatsu D37P Dozer	-	yes	3	5	-
Kubota 151 Excavator	-	yes	2	6	-
Case 580 Backhoe	-	yes	3	5	-
Koehring 535 Crane	-	NO	0	8	-
MKT Vibro Hammer	-	NO	0	8	-
Case 580 Backhoe	-	NO	0	8	-
Komatsu 200 Exc.	-	yes	4	4	-
Motor Grader	-	NO	0	8	-
Welding Machine	-	NO	0	8	-
MANTIS CRANE	-	yes	5	3	-

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction personnel performed concrete testing + inspection today on ready-mix concrete (mix #44-c) delivered by Lafarge Concrete Company. Three cylinders were molded from this material, and they will be delivered to the Government Lab for compressive strength testing tomorrow. (Find test results attached.)

MATERIALS RECEIVED

Received 17 cubic yards of concrete from Lafarge Concrete Company today (mix #44-c). This material was placed in West F-Wall Monolith #15B. Concrete batch weights were provided by Lafarge on the delivery tickets as required.

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

Inspected the I-Wall formwork, reinforcing steel, waterstop, and placement of concrete on the West Bank at monolith #158. The condition of the forms was good. They were clean and oiled with approved form release agent. The re-steel was tied on correct spacing, and clearances measure 2 1/4" on each end, and 2 1/2" on each side of the I-wall. Waterstop was placed at each end of the form, centered in the wall, and stopped 3" from the bottom and 6" from the top of the wall. Placement of concrete was accomplished using trimmie chutes of 8' x 5', to reduce vertical drop to 5' or less. Concrete was placed in layers of 18" each, and each lift was consolidated with a concrete vibrator.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked public streets for dirt and debris at Robert E. Lee and Mirabeau Avenue. No significant amount of dirt was observed at either location. Traffic warning signs were in place, alerting vehicle drivers to be prepared to stop and watch for flag men at both streets.

Checked the Case 580 backhoes for reverse alarms and flashing lights. One of the backhoes has a working alarm + light; the other backhoe does not (and is not in service).

REMARKS

(Instructions received, miscellaneous remarks)

Received verbal approval from the Contracting Officer to pull existing R2-10 sheet piling on the East Bank between Sta. 102+67 and Sta. 119+03. This was a confirmation of previous verbal instructions received on the same matter. Gill's Crane Service will begin pulling these sheet piling tomorrow, and hauling them off the jobsite.

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.

Jerry M. Justice
Authorized QC Representative

7-7-95
Date

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

DATE: 7-6-95

Pour Location West I-Wall Monolith # 158
and Stabilization Slab; west of Sta. 113+00 to Sta. 112+

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
267725	1:32	2:05	3.5°	5 Gal	4.0 ^x	82° 89°	4.8	3	1:50	9
267746	2:30	3:15	3:00	5 Gal	3.75 ^x	84° 90°	5.2	-	2:55	8
267768	4:20	5:15	3.5°	10 Gal	4.5°	84° 88°	-	-	-	8

REMARKS: Third truck (ticket # 267768) was used for stabilization slab (see station numbers above).

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

TECHNICIAN:
Steve Stone

MINUTES OF SAFETY MEETING

DATE: 7-5-95

TIME: 7:00 AM

PROJECT: London Avenue Canal Floodwall

MEETING CONDUCTED BY: Jerry Justice

PERSONS ATTENDING:

Jerry Justice
Gregg Jackson
Steve Stone
Bryan Vandum
Earl Bailey
John Leonard
Mike Carneal
Pennell Delaney Sr.

Raymond Brown
Alfred Brown
Walter Taylor
Bob New

TOPICS DISCUSSED:

Discussed near-miss accidents that have occurred on this job. The emphasis was on preventing future accidents, using near-miss accidents as warnings. A "almost" accident should not be taken lightly, because the next time could be more serious.

Also discussed prevention of accidents off the job. B+K Construction values each employee, and does not want to lose any employee to an accident or injury on or off the job. Please don't drink and drive an automobile or any other motor vehicle. Avoid careless operation of any motorized equipment, whether you're drinking or sober.

COMMENTS:

Employees were reminded to protect themselves from overexposure to the sun and heat this summer. Use sun screen on exposed areas of the skin, drink plenty of fluids, eat well, and get ample rest. This will help prevent heat exhaustion.

Jerry Justice
CONTRACTOR'S SUPERINTENDENT

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

DATE: 7-5-95 REPORT NO.: 193

SKIES: Pt. Cloudy RAIN: 0 IN. TEMP.: 75 MIN. 94 MAX

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

(2.3" Rainfall) WORK PERFORMED/LOCATION

7-1-95 Saturday - Carpenter crew attempted formwork, but heavy rain stopped all work at 9:00 AM (2 skilled @ 5 hrs; 3 skilled @ 7.5 hrs)
 7-2-95 Sunday - No work performed. 7-3-95 Monday - No work performed.
 7-4-95 (Independence Day) No work performed.

7-5-95 B+K Construction - Wrecked West I-wall Monoliths #165 and #163, Formed + poured concrete at West Monolith #160 today. Moved remaining I-wall forms from the yard to the work area. Performed structural excavation on the East Bank from sta. 82+75 to sta. 81+25. Demolished existing concrete cap from west of sta. 116+10 to sta. 115+30. Added extra silt fencing + braced fence posts on East Bank at sta. 82+00 → 81+00. Arcadia Rebar - Set top steel in place + tied off at West Mono. #160. Pre-tied 3 more steel mats for future wall stems. Also corrected some bottom steel clearances on Monoliths previously tied.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	52	B+K Const.	Reinforced concrete floodwall work;
7	Skilled	69	"	Structural excavation; selective
1	Supt.	11	"	demolition; erosion control work;
1	Q.C. Rep	8	"	X-Sectioning existing conditions
				for H.B. Kenyon. (See Locations Above)
5	Skilled	17.5	Arcadia Rebar	Tying reinforcing steel for
				I-wall (see Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	—	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	Yes
Case 580 Backhoe	—	No	0	8	—
Welding Machine	—	No	0	8	—
MOTOR GRADER	—	No	0	8	—
Komatsu 200 Exc. #2	—	Yes	5	3	—
MANTIS CRANE	—	Yes	8	2	—

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction personnel performed concrete testing and inspection on ready-mix concrete delivered by Lafarge today. The results are documented on the attached Concrete Field Data Summary sheet. Three test cylinders were molded, and will be delivered to the Government L on Friday morning.

MATERIALS RECEIVED

Received 17 cubic yards of concrete from Lafarge Conc. Company today (mix #44-C). Placed this material in west I-wall monolith #160 this afternoon. Lafarge neglected to put ICE in the mix (we had asked for ICE to be added every day since two weeks ago. The Quality Control manager (B.J. Eckholdt) insured me that ICE will be added to control batch temperature from now until further notice by B+K Construction.

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

Inspected the structural excavation on the East Bank today. The grass & weeds were stripped off before excavation began. The material from excavation was good clay, with no deleterious matter observed. The soil was placed on the Land Side of existing wall, used to widen the Temp. Access Road. The silt fence was built 3' higher to prevent soil erosion and runoff, and posts were braced off to stop fence failure. Bottom of excavation was +2.60; the width of excavation was $\pm 4'$, but the Land Side of the trench will have to be cleared out and widened after sheet piles are driven to grade.

JOB SAFETY
(Note inspection, violations/actions taken)

The M.K.T. V-5 Vibratory Hammer was serviced by Miss. River Equipment today and returned to our jobsite. Bolts were checked and tightened, badly worn hoses were replaced. This hammer is ready to resume pile driving work again.

The weekly safety meeting was held in the field office of B&K Construction today at 7:00 AM. Find the meeting minutes attached to this report.

REMARKS
(Instructions received, miscellaneous remarks)

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.

Jerry M. Justice
Authorized QC Representative

7-6-95
Date

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

DATE: 7/5/95

Pour Location WEST # 160 (I-Wall)

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. Air	Comp. % AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
267509	2:15	2:58	3.0 ^o	15 Gal	4.25 ^x	94° 40'	5.2	3	2:40	9
267523	3:00	3:45	3.5 ^o	5 Gal	4.0 ^x	92° 59'	5.6	-	3:15	8

REMARKS:

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

TECHNICIAN:
Steve Thorne

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

DATE: 6-30-95 REPORT NO.: 192
 SKIES: Pt. Cloudy RAIN: 0 IN. TEMP.: 74 MIN. 93 MAX
 DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (L.5) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Wrecked forms at West Monoliths #162 and #167. Cleaned, oiled, and set these forms at West Monoliths #165 and #163. Placed concrete at West Monoliths #165 and #163 today. Performed structural excavation on the East Bank from Station 84+40 to Sta. 82+75. (Added more silt fence material and braced off safety fence posts in order to widen the Temp. Access Road here.) Drove down existing R2-10 sheet piling on the East Bank (to 6' below Fin. Grade) from Station 117+25 to Station 116+50.

Arcadia Rebar - Did not show up today again. Gill's Crane Service - No work performed.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
4	Unskilled	54	B&K Const.	Reinforced Concrete Floodwall
8	Skilled	72	"	WORK; Structural Excavation;
1	Supt	10	"	Driving down Existing R2-10
1	Q.C. Rep.	10.5	"	Sheet Piling
				(See Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	—	yes	6	2	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	NO	0	8	—
Koehring 535 Crane	—	NO	0	8	—
MKT Vibro Hammer	—	yes	2	6	—
welding machine	—	NO	0	8	—
Motor Grader	—	NO	0	8	—
Komatsu Excavator 200	—	yes	4	4	—
Mantis Crane #3612	—	yes	7	1	—

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction personnel performed concrete tests and inspection today on mix #44-C delivered by Lafarge Concrete Company. Find results of these tests attached to this report on the "Concrete Field Data Summary" Sheet. Three cylinders were molded, and will be delivered to the Government Lab on Monday.
* Delta Testing performed vibration monitoring at East Bank Sta. 117+00.

MATERIALS RECEIVED

Received 34 cubic yards of Ready-mix concrete from Lafarge today (mix #44-C) and placed this material in West I-Wall Monoliths #165 and #163. Concrete delivery tickets, complete with all necessary batch information, were furnished to the C.O.E. Inspector.

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

The Reinforcing steel at West I-wall Monolith #163 was inspected, and clearances at each end were not 2" as required. A torch was used to trim the ends of the horizontal rebar to attain 2" clearance. Some of the vertical bars at the bottom portion of the wall were not properly tied together. This was corrected before the forms were closed up. The re-steel clearances on each side of the wall were also adjusted, and measured 2 1/2" clear on both sides before closing the forms. Alignment, plumbness, and elevation of the walls poured today were found to be correct within allowable tolerances.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked rigging, nuts, bolts, etc., on the M.K.T. V-5 Vibratory Hammer today. No loose parts were found. Wire rope slings and screw pin anchor shackles were in good condition. Tie-wire was used to secure shackles to prevent them from vibrating loose.

REMARKS

(Instructions received, miscellaneous remarks)

* BTK Construction personnel had to place and tie reinforcing steel to mats for West Monoliths #165 and #163, as well as correct problems with bottom re-steel on #163 today, due to the absence of Arcadia Rebar personnel. This problem is on-going, and it costs BTK Const. time, money, and production.

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.

Jerry Justice
Authorized QC Representative

7-5-95
Date

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

DATE: 6-30-95

Pour Location West Monolith #165 + #163

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.
267099	12:34	1:24	2.0°	15	4.0 ^x	84° 80°	5.8	3	12:55	9
267109	12:52	1:55	2.0°	12	4.0 ^x	86° 82°	5.6	-	1:35	8
267159	4:00	4:30	2.5" _o	15 ²⁰	4.5" ^x	87° 87°	-	-	-	8
267164	4:40	5:30	1.5" _o	25	4.0" _o	86° 84°	-	-	-	9

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 OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

150

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

DATE Thursday
29 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 & Hot with Rain

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 72°	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 0.30"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 1-1 hr.	OFFICE	LAYOUT	INSPECTION 2-16 hrs	TOTAL 3-17 hrs	LABOR
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FEET 1.40'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS 1 2 3

SUPERVISORY 2-17 hrs	SKILLED 11-90 hrs	LABORERS 6-52 hrs	TOTAL 19-159	FROM 0700 M	TO 1700 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; SELECTIVE DEMOLITION
- 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) Formed & placed concrete for West Monos #162 & #167; Set forms for Stab. Slab between WB/L Sta's 112+00 & 113+00; Drove existing sheet piles down to a top elev. of +3.50' between EB/L Sta's 117+25 & 118+00; Removed existing concrete caps between WB/L Sta's 116+10 and 116+50.
- b) Set & tied wall stem resteel for West Monos #162 and #167.

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 scheduled and performed by B&K and Arcadia this date. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 29.1%

PERCENT TIME ELAPSED: 50.6%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

SELECTIVE DEMOLITION: No instructions issued.

RESTEEL INSTALLATION: No instructions issued.

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

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

REINFORCED CONCRETE FLOODWALL: Performed Pre-Placement Inspections on West Monos #162 and #167 this date (see attached LMN Form 1246's). Witnessed placement and vibration of concrete for West Monos #162 & #167. Concrete not being allowed to drop more than 5', is being placed in lifts of less than 18" and is being well vibrated. Witnessed sampling and testing of concrete being used this date (see attached Concrete Field Data Sheet for test results). Witnessed form plumbness and alignment checks being performed by CQC Rep.

SELECTIVE DEMOLITION: Noted that B&K has removed the existing concrete cap from steel sheet piles between WB/L Sta's 116+10 and 116+50, by cutting the existing sheet piles off at elev. +6.75' for temporary flood protection as required. Existing cap placed on F/S of existing sheet piles and will be removed from site at a later date.

RESTEEL INSTALLATION: Observed subcontractor (Arcadia) installing and tying all required resteel for the wall stem sections of West Monos #162 and #167 this date. All resteel was tied at 100% and spaced according to approved shop drawings.

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

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

NONE

CONTROVERSIAL MATTERS IN DETAIL:

NONE

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

NONE

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

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

GOVERNMENT PERSONNEL ON SITE

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
C. WAGNER	Civ. Engr., GS-11	1 hr.	PE
Z. BRYANT	Const. Insp., GS-07	7 hrs.	QAR
K. BRUNO	Civ. Engr. Tech., GS-04	7 hrs.	Trainee

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

Checked and found ladders properly secured to forms and extending a minimum of 3' above the scaffold landing as required.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

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

DATE

11 July 95

SUPERVISOR'S INITIALS

W

DATE

7/14/95

CHECK OUT FOR STRUCTURES
 REINFORCED CONCRETE FLOODWALL

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

MONOLITH West # 162 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 6-29-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	6-29	11:45	ZAB	6-29-95	1230
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	6-29	11:45	ZAB	6-29-95	1230
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	6-29	11:50	ZAB	6-29-95	1230
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	6-29	11:55	ZAB	6-29-95	1235
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	6-29	12:00	ZAB	6-29-95	1235		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75' → 1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	✓	"	"	✓	✓	✓		
G. SAFETY (LIST)	Jmj	6-29	12:05	ZAB	6-29-95	1240		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging	✓	"	"	✓	✓	✓		
3. Scaffold + Ladder	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	6-29	12:05	ZAB	6-29-95	1240		
Exp. Material	NONE THIS POUR	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#3612	1430 hrs	1.5 hrs				
Concrete Vibrator	1	18' whip	"	"				
Concrete Bucket	1	1.5 cy	"	"				
J. REMARKS	Same as Results for West Monolith #167							
SLUMP =			AIR ENTR. =			CONCRETE TEMPS =		
AIR TEMPS =			; 3 Test Cylinders (LA-48)					
FINAL CLEARANCE								
CONTRACTOR REPRS:					C.O.E. REPRS:			
Jerry M. Justice					James L. ...			
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.								

M CHECK OUT FOR

STRUCTURES

REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH West # 167

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 6-29-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	6-29	11:20	ZAB	6-29-95	1135
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	6-29	11:20	ZAB	6-29-95	1135
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	6-29	11:25	ZAB	6-29-95	1135
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	6-29	11:30	ZAB	6-29-95	1140
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JMD	6-29	11:30	ZAB	6-29-95	1140		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.85'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JMD	6-29	11:35	ZAB	6-29-95	1145		
G. SAFETY (LIST)	JMD	6-29	11:35	ZAB	6-29-95	1145		
1. Eye Protection	✓	✓	"	✓	✓	✓		
2. Rigging Check	✓	✓	"	✓	✓	✓		
3. Seat Fold + Ladders	✓	✓	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JMD	6-29	11:40	ZAB	6-29-95	1145		
Expansion Material	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#3612	12:00	2.25				
Concrete Vibrator	1	18' Whip	12:00	"				
Concrete Bucket	1	1.5 c.y.	12:00	"				
J. REMARKS	SLUMP = 3.75" & 4" ; AIR ENTR. = 5.0% & 4.9% ; CONCRETE TEMPS = 84° & 86° ; AIR TEMPS = 86° & 85° ; 3 Test Cylinders (LA-48)							
FINAL CLEARANCE								
CONTRACTOR REPRS: <i>John M. Justice</i>				C.O.E. REPRS: <i>James E. ...</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.								

DATE 6-29-95

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed concrete placement
for mon # 142. Teamies being used to
limit concrete drop. & Witnessed air + slump
tests and making of 3 - cylinders. Also observed
personnel cutting existing slabs to ab. 6-75'
Flymen being used to stop + direct traffic
when backing in concrete trucks for placing concrete
for floodwell.

Instructions to COC/Remarks:

N/A.

Chris Wagner Proj Engr
Name Title

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

DATE: 6-29-95 REPORT NO.: 191

SKIES: Cloudy - Rain RAIN: 0.30 IN. TEMP.: 72 MIN. 85 MAX

DUST: NONE LEVEE CONDITION: Damp CANAL GAUGE: (1.4) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Completed forming West I-Wall Monoliths #162 and #167. Placed concrete in West Monoliths #162 and #167. Demolished existing concrete floodwall on the West Bank from sta. 116+50 to sta. 116+10. Carpenters formed up stabilization slab from West of Sta. 113+00 to sta. 112+00 (not poured today). Drove down existing RZ-10 sheet piling on the East Bank from station 118+00 to station 117+25. Mobilized a second Komatsu 200 Excavator (and the Komatsu D-37 dozer) to the West Bank, to begin excavation between Filmore and Mirabeau.

Arcadia Rebar - Set pre-tied reinforcing steel mats in place at West Monoliths #162 and #167 (top steel). Also pre-tied two more re-steel mats on the levee for future placement.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	52	B+K Const.	Forming + Pouring concrete I-Wall
8	Skilled	72	"	Demolition of existing floodwall;
1	Supt.	9	"	Forming up stabilization slab;
1	Q.C. Rep	8	"	Driving down existing sheet piling;
				Mobilizing Equipment (see Above)
3	Skilled	18	Arcadia Rebar	Tying Reinforcing steel for
				I-Wall on the West Bank
				(see Above)

QUALITY CONTROL REPORT
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	3	5	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	yes	2	6	—
Case 580 Backhoe	—	NO	0	8	—
Fiat Allis Motor Grader	—	NO	0	8	—
Welding machine	—	NO	0	8	—
Mantis Crane #3612	—	yes	8	1	—
Komatsu 200 Exc.	Arrived	NO	0	8	—

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction performed concrete tests on ready-mix concrete from Lafarge today (Mix #44-c). Three cylinders were molded, and will be delivered to the Government Lab tomorrow. Find test results attached to this report on the "Concrete Field Data Summary" sheet.

MATERIALS RECEIVED

Received 34 cubic yards of ready-mix concrete from Lafarge Concrete Company today (Mix #44-c). Placed this material in west Monoliths #167 and #162 today. Concrete delivery tickets were furnished to the Government Inspector, complete with batch weights and other required information.

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

Inspected the RZ-10 sheet pile work on the East Bank at Station 119+03 → 118+50. The MKT. V-5 Vibratory hammer was used to drive these existing sheets down to approx. elevation +3.50; top of RZ-10 sheets were 2'-0" below the new I-wall haunch line (elev. 5.50) OR 1'-6" above the stabilization slab. No damage was noted to the new I-wall.

Inspected reinforced concrete floodwall work done today. Top of wall elev. was checked, found to be 0.08' low on one end, then corrected prior to concrete placement. This problem was found while completing the Form Check Out sheet (LMN FORM 1246).

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the reverse alarm on the Komatsu D-37 dozer Mantis Crane and 580 Backhoe today. All these machines had backup alarms that automatically sounded when the transmissions were set in Reverse.

Checked the public streets at the day's end. Very little evidence of contractor's dirt or debris was observed in the roadway at Robert E. Lee Blvd. Laborers swept & shoveled up any large amounts of debris.

REMARKS

(Instructions received, miscellaneous remarks)

Carpenters and their foreman were instructed to measure up 9.92' (9'-11") from the control elev. set for them on the new CZ-101 sheet piling to mark top of wall grade on the Land Side form. This control mark is set at +4.50 by the engineer, yielding a top of I-wall grade of +14.42 on the high side. They were also instructed to check the distance from the top grade down to the top of fracture fin liner - it should always be 9", plus or minus 1/4".

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.

Jerry Justice
Authorized QC Representative

6-30-95
Date

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

DATE: 6-29-95

Pour Location West Monoliths #167 and #162

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.
266867	11:50	12:40	2.5°	20 Gal	3.75 ^x	84° 86°	5.0	3	12:10	9
266883	12:30	1:50	2.5°	20 Gal	4.0 ^x	86° 85°	4.9	-	2:00	9
266987	2:30	3:34	2.5°	20 Gal	4.0°	80° 82°	-	-	-	8
266911	3:15	3:56	4.0°	0	4.0°	81° 82°	-	-	-	8

REMARKS:

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

TECHNICIAN: Steve Jones

**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

149

TO Area Engineer,
CELMN-CD-NO

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

DATE Wednesday
28 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 & Warm with Rain

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

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

MINIMUM	MAXIMUM
72°	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
0.10"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
1-2 hrs			2-16 hrs	3-18 hrs	

FEET	TIME
1.50'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS 1 2 3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
2-17 hrs	10-87 hrs	7-59 hrs	19-163	0700 M	1630 M	M	M	M	M

FEET	TIME
1.50'	0800 M

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

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

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 West Mono #169, and set forms for West Monos #162 & #167; Wrecked forms from East Mono #162 (Concrete Collar); Removed existing concrete cap between WB/L Sta's 116+50 and 117+00.
- b) Drove 40 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 102+24.15 and 102+96.48

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tide 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.

DATE SET FOR COMPLETION: 04 MAY 96 PERCENT PROJECT COMPLETE: 28.9%
PERCENT TIME ELAPSED: 50.4%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

- Attended the following CQC Inspection Phases this date:
- REINFORCED CONCRETE FLOODWALL: No instructions issued.
 - SELECTIVE DEMOLITION: No instructions issued.
 - 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 B&K removing forms from West Mono #169 and East Mono #162 (concrete collar) this date. Noted no damage to concrete surfaces. Observed B&K setting forms for West Monos #162 & #167, after cleaning and oiling forms. Only set the F/S forms for West Monos #162 & #167 this date, due to resteel not being completed.

SELECTIVE DEMOLITION: Observed B&K cutting off existing sheet piles (MP-115) at approx. elev. +6.75', between WB/L Sta's 116+50 and 117+00, which removed the existing concrete caps in this area. The existing sheet piles are being used for Temporary Flood Protection.

STEEL SHEET PILES: Observed subcontractor (Gill) driving 40 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 102+24.15 and 102+96.48, down to a top elev. of +5.75', except for 4 piles at each monolith joint, and those piles were driven to a top elev of +5.00'. All piles were driven plumb and on proper alignment.

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

ENVIRONMENTAL PROTECTION: Checked and found no fuel or oil leaks on the Koehring 535 Crane or the Mantis 3612 Crane this date.

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

NOTE: PE, C. Wagner on 27 June 95, informed CQC Rep's M. Tassin and J. Justice that B&K may pull the existing RZ-10 steel sheet piles from between EB/L Sta's 102+67 and 119+02, inlieu of driving them back down to the cut-off elev. of +3.50'. Contractor had previously requested that they be allow/permitted to perform this operation.

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>
C. WAGNER	Civ. Engr., GS-11	2 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	7 hrs.	QAR
K. BRUNO	Civ. Engr. Tech., GS-04	8 hrs.	Trainee

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

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

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

Zane D. Bryant
ZANE D. BRYANT, CR.

DATE

11 July 95

SUPERVISOR'S INITIALS

fw *W*

DATE

7/5/95

DATE 6-28-98

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed subcontractor driving permanent shafts near Sta. 102+50 W Blc to el. 5.75'. No difficult driving observed & I-beam being used to align piles. Caprotars setting forms for next placement & observed personnel cutting existing shafts that ~~are~~ are being used for temp flood protection. Safety goggles & gloves used when performing tasks.

Instructions to COC/Remarks: Crew verbal O.K. to pull existing shafts on east bank between Robert E. Lee & Pumping Sta. #4 provided voids are filled with sand cement bentonite slurry & vibrations are kept to a minimal within an acceptable level. If conditions are not abided to shafts will have to be cut off or driven to grade. Both Supt. Mike Tasson & CQC rep Jerry Justice agreed.

Chunf Wagner Proj Engr
Name Title

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

DATE: 6-28-95 REPORT NO.: 190

SKIES: cloudy RAIN: 0.10 IN. TEMP.: 72 MIN. 85 MAX

DUST: None LEVEE CONDITION: Damp CANAL GAUGE: (1.5) NOISE: Moderate

WORK PERFORMED/LOCATION

① B+K Construction - Wrecked West I-wall mono. #169, cleaned, oiled and set canal side forms at West Monoliths #162 and #167. (Arcadia Rebar did not show up to tie re-steel, thus no I-wall mono's were poured today.) Demolished existing floodwall from West B station 117+00 to sta. 116+50. Also wrecked forms at East Monolith #162 (concrete collar). Carpenters worked on steel I-wall forms in the staging area, and moved one completed form to the work area. Moved the Komatsu 200 Excavator and Komatsu D-37 dozer back to Robert E. Lee Blvd. on the East Bank. Laborer cut weeds and grass on the East Bank between Filmore and P.S. #4.

② Gill's Crane Service - Drove new CZ-101 sheet piling on the West Bank between sta. 102+96.48 and sta. 102+24.15 (40 pieces at 21'-9" each)

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	53	B+K Const.	Forming I-wall; Demolition of
8	Skilled	75	"	Existing Floodwall; working on
1	Supt.	9	"	I-wall forms; Cutting grass +
1	Q.C. Rep.	8	"	weeds,
				(See Locations Above)
2	Skilled	12	Gill's Crane	Driving New CZ-101 Sheet
1	Unskilled	6	"	piling; Moving 535 Crane
				and M.K.T. Vibratory Hammer to
				the East Bank.
				(See Location Above)

QUALITY CONTROL REPORT
EQUIPMENT

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

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 demolition work done today on the West Bank. The sheet piling were torch cut-off at elevation +6.75. The Kubota 151 Excavator was used to push the concrete cap over, to fall on the flood side of the existing wall. These 40' sections of concrete cap will be broken up and hauled off at a later date.

Inspected the concrete finish and checked for voids or honeycombs on the I-Wall wrecked today. Only minor air bubble holes were found (on West Monolith #169). These will be patched before paint is applied.

JOB SAFETY

(Note inspection, violations/actions taken)

Inspected the public streets at Robert E. Lee Blvd. and Filmore Avenue. The streets were clean and free of dirt and debris from Contractor's activities. Traffic signs were in place to warn motorists of construction work and equipment ahead.

REMARKS

(Instructions received, miscellaneous remarks)

Received verbal approval from the Government P.E. (Chris Wagner) on Tuesday 6-27-95 to pull existing RZ-10 sheet piling on the East Bank between sta. 102+67 and sta. 119+02. This information was omitted from yesterday's Q.C. Daily Report by accident.

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.

Jerry Justice
Authorized QC Representative

6-29-95
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

148

TO Area Engineer,
CELMN-CD-NO

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

DATE Tuesday
27 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

TEMPERATURE

STRUCTURAL EXCAVATION 100 %	BORROW EXCAVATION 100 %	EMBANKMENT 100 %	CONCRETE 100 %	STRUCTURE 100 %
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MINIMUM 72°	MAXIMUM 95°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT? NO YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.00"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 1-3 hrs	OFFICE	LAYOUT	INSPECTION 2-15 hrs	TOTAL 3-18 hrs	LABOR
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FEET 1.40'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1 2 3

SUPERVISORY 2-17 hrs	SKILLED 13-112 hrs	LABORERS 6-56 hrs	TOTAL 21-185	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; SELECTIVE DEMOLITION
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

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

- a) Set forms & placed concrete for West Mono #169; Wrecked forms from West Mono #166; Con't refurbishing forms in staging area; Removed existing concrete cap between WB/L Sta's 117+00 and 117+75; Patched tie-rod holes in West Mono #166; Curing on West Monos #166, #168 & #170.
- b) Drove 56 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 102+96.48 and 103+97.50.
- c) Set & Tied all resteel for West Mono #169, and tied 3-wall stem mats.

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tide 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, Gill and Arcadia this date. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96 PERCENT PROJECT COMPLETE: 28.5%
PERCENT TIME ELAPSED: 50.2%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- SELECTIVE DEMOLITION: No instructions issued.
- RESTEEL INSTALLATION: No instructions issued.
- 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: PE, C. Wagner performed Pre-Placement Inspection on West Mono #169 prior to placing concrete (see attached LMN Form 1246). QAR, Z. Bryant witnessed placement of concrete into forms for West Mono #169, and also witness testing and sampling of concrete being used. Concrete is being placed in lifts of less than 18", not being allowed to drop more than 5', and is being vibrated adequately. See attached sheet for test results on concrete being used this date. Noted that finisher patched tie-rod holes in West Mono #166. Noted that West Monos #166, #168 & #170 were covered with wet burlene for curing.

SELECTIVE DEMOLITION: Contractor removed existing concrete cap and sheet piles to elev. +6.75', between WB/L Sta's 117+00 and 117+00.

STEEL SHEET PILES: Subcontr. (Gill) drove 56 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 102+96.48 & 103+98.50, to a top elev. of +5.75' except at Mono Joints where the piles were driven to a top elev. of +5.00'. All piles were driven plumb and on proper alignment.

RESTEEL INSTALLATION: Subcontr. (Arcadia) set & tie all resteel for West Mono #169, and also pre-tied 3 sets of wall stem mats on levee crown.

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

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

NONE

CONTROVERSIAL MATTERS IN DETAIL

NONE

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

NOTE: Contractor notified LaFarge Concrete to begin using ice in their concrete mixes for this project, as of 6/28/95, due to the concrete in the trucks getting near the 90° mark.

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

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

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
C. WAGNER	Civ. Engr., GS-11	3 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	6 hrs.	QAR
K. BRUNO	Civ. Engr. Tech, GS-04	8 hrs.	Trainee

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

Contractor held Weekly Safety Meeting this date. See attached minutes for topics discussed.

Checked and found that oxygen/acetylene torch unit being used this date, has proper anti-flow back valves properly installed.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE <i>Zane D. Bryant</i> ZANE D. BRYANT JR.	DATE 28 June 95.	SUPERVISOR'S INITIALS <i>ZB</i>	DATE 7/5/95
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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 West # 169

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 6-27-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	6-27	1:40	yes	6-27	2:00
VERTICAL	✓	"	"	yes ✓	"	"
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	6-27	1:40	yes	6-27	2:05
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	"	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	6-27	1:45	yes	6-27	2:05
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	"	"	"
CLEARANCES	✓	"	"	"	"	"
STEEL SCHEDULE	✓	"	"	"	"	"
SHOP DRAWINGS	✓	"	"	"	"	"
TIE WIRES	✓	"	"	"	"	"
#6 BAR WELDED	✓	"	"	"	"	"
CLEANLINESS	✓	"	"	"	"	"
WATERED	✓	"	"	"	"	"
E. FORMWORK	Jmd	6-27	1:45	yes	6-27	2:30
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	<i>Jmg</i>	6-27	1:45	<i>gws</i>	6-27	2:30		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	"	"	"		
TIES AND BOLTS	✓	"	"	"	"	"		
LENGTH 28.85'	✓	"	"	"	"	"		
WIDTH 1.75' → 1.00'	✓	"	"	"	"	"		
HEIGHT 11.40'	✓	"	"	"	"	"		
WATERSTOPS	✓	"	"	"	"	"		
CHAMFER STRIPS	✓	"	"	"	"	"		
F. WEATHER PROTECTION	<i>Jmg</i>	6-27	1:50	<i>gws</i>	6-27	2:35		
G. SAFETY (LIST)	<i>Jmg</i>	6-27	1:50	<i>gws</i>	6-27	2:35		
1. Eye Protection	✓	"	"	✓	"	"		
2. Ladder + Scaffold	✓	"	"	✓	"	"		
3. Rigging Check	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	<i>Jmg</i>	6-27	1:50	<i>gws</i>	6-27	2:35		
Exp. material	✓	"	"	✓	"	"		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#3612	1430	2				
Concrete Bucket	1	1.5 c.y.	1430	2				
Concrete Vibrator	1	18' whip	1430	2				
J. REMARKS	SLUMP = 2" and 4.5" ; AIR ENTR. = 4.8% + 4.9% ; CONCRETE TEMPS = 88° + 90° ; AIR TEMPS = 91° + 91° ; 3 Test Cylinders (LA-47)							
FINAL CLEARANCE								
CONTRACTOR REPRS: <i>Jerry Justice</i>				C.O.E. REPRS: <i>Chris Wagner</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.								

DATE 6-27-95

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed concrete placement for mono # 129 on west side. Performed pre-placement inspection on T-wall mono + checked checks, included counting # of re-steel bars, spacing, clearances, etc. of mono forms. Witnessed air + slump tests that were performed. See attached CQC for results. Subs continuing to tie re-steel + drive sheet piling on west side near Sta. 103 +02 w/B/L. T-beam being used to align sheet while driving.

Instructions to COC/Remarks: None given 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: 6-27-95 REPORT NO.: 189

SKIES: Pt. Cloudy RAIN: 0 IN. TEMP.: 72 MIN. 95 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (L4) NOISE: Moderate

WORK PERFORMED/LOCATION

- ① B+k Construction - Formed and poured West I-Wall Monolith #169. Worked on rebuilding I-wall forms in the yard. Moved one steel form to the work area, using the rental crane and B+k Const's truck and trailer. West I-Wall Monolith #166 was wrecked at 9:00 AM today. Tie-bolt holes were patched with non-shrink grout, then the wall (#166) was covered with burlene, and wet down for curing. Demolished existing floodwall on the West Bank from Sta. 117+75 to Sta. 117+00. Laborers cut grass + weeds on the West Bank, and assisted in placement of concrete and formwork.
- ② Gill's Crane Service - Drove New CZ-101 sheet piling on the West Bank from Sta. 103+97.50 to Sta. 102+96.48 (56 pieces at 21'-9" long).
- ③ Arcadia Rebar - Tied re-steel at West Mono. #169 (bottom + top), and pre-tied three re-steel top mats, for future placement in I-wall stems.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	48	B+k Construction	Forming + pouring I-wall;
8	Skilled	78	"	Demolition of exist. floodwall;
1	Supt	9	"	Rebuilding I-Wall forms; Patching
1	Q.C. Rep.	8	"	+ curing I-Wall concrete; Cutting
				grass + weeds. (see Above)
2	Skilled	16	Gill's Crane	Driving CZ-101 sheet piling
1	Unskilled	8	"	on the West Bank. (See Above)
3	Skilled	18	Arcadia Rebar	Tying Reinforcing steel for
				I-Wall (See Above)

QUALITY CONTROL REPORT
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	3	5	—
Case 580 Backhoe	—	Yes	3	5	—
Koehring 535 Crane	—	Yes	8	0	—
MKT Vibro Hammer	—	Yes	8	0	—
Case 580 Backhoe	—	NO	0	8	—
Fiat Allis Motor Grader	—	NO	0	8	—
Welding Machine	—	NO	0	8	—
Mantis Crane	—	Yes	9	2	—
Pettibone Crane	Rental	Yes	5	0	—

TESTS PERFORMED

(As required by plans/specifications)

BTK Construction personnel performed concrete tests and molded three cylinders today. The material tested was 17 cubic yards of Lafarge Concrete Company's Mix #44-C.

Delta Testing performed vibration monitoring on the West Bank, adjacent to sheet piling work.

MATERIALS RECEIVED

Received 17 cubic yards of Ready-mix concrete from Lafarge today (mix #44-C), and placed this material in West I-Wall monolith #169. Concrete delivery tickets were furnished to the Government, complete with batch weights, batch time, and other information Required.

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

Inspection of the Reinforced concrete floodwall work done today (prior to concrete placement) revealed some deficiencies. The top of wall grade was incorrect, the chamfer strip not straight and level. A new chalk line was established at +14.40, and the top chamfer strip was corrected accordingly. Also noted upon inspection was the clearance on the south end of the reinforcing steel. The re-steel was pulled over by hand and then tied off to leave 2 1/2" clearance on both ends. The monolith poured today (west #169) was sandwiched between two previously poured walls, on which one end was noted to be out of square. This problem was related to the Supt. and carpenter foreman, and will not be overlooked again. JOB SAFETY
(Note inspection, violations/actions taken)

A safety meeting was held today in the field office of B+K Construction. The topic of the meeting was prevention of falls from formwork, scaffolding, and ladders. Find the minutes of this meeting attached to this report. The scaffold in use today was found to have some loose walkboards. These were nailed down to the scaffold brackets to prevent movement.

REMARKS
(Instructions received, miscellaneous remarks)

Lafarge Concrete Company was directed to use ice in the Ready-mix concrete to lower the temperature of the mix. This will begin on the next concrete pour and continue until they are instructed to discontinue the use of ice.

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.

Jerry M. Justice
Authorized QC Representative

6-28-95
Date

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

DATE: 6-27-95

Pour Location West I-Wall Monolith #169

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.
266388	2:00	3:30	1.0°	21 GAL	2.0 ^x	88°	91	4.8	3	3:00 9
266406	2:55	4:31	2.0°	15 GAL	4.5 ^x	90°	91	4.9	-	3:45 8

REMARKS:

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

TECHNICIAN:
Steve Thome

MINUTES OF SAFETY MEETING

DATE: 6-27-95

TIME: 7:00 AM

PROJECT: London Ave. Outfall Canal Floodwall
DACW29-94-C-0079

MEETING CONDUCTED BY: Jerry Justice

PERSONS ATTENDING:

Steve Home
Paul Tupper
Barry J. Lee
James H. Thompson
Gordon L. [unclear]
Kym Hurdler
Alfred J. Brown
Bryan [unclear]

Alfred J. Brown
Gregory Jackson
Berneth Delaine Jr
Michael Concamp
[unclear]
Eric [unclear]
Jerry Justice

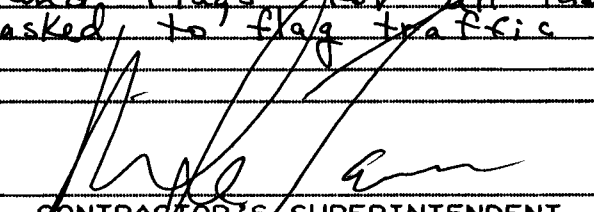
TOPICS DISCUSSED:

The carpenter crew was instructed to check and repair the scaffolds and handrails on all I-wall forms. The walkboards must be nailed or wired down to the support brackets, and they must be cut off evenly on the ends. Handrails should also be checked and repaired if necessary. One end of the scaffold should be closed off with handrails, midrails and toe boards, and the opposite end should have a ladder tied off securely to the scaffold. Scaffolds must be kept clean and free of loose materials, and should be checked prior to each day's use.

Also discussed at today's meeting was the responsibility of the operator to check the condition of his equipment and rigging every day. He also must check the rigging connections for each lift, or the person making these connections must be qualified to do so.

COMMENTS:

"Eye Protection" was discussed, and the Project Supt. made the decision to purchase eye wear for every employee on a one-time only basis. He also instructed me to purchase vests and flags for all laborers who may be asked to flag traffic on this job.


CONTRACTOR'S SUPERINTENDENT

**SPECTORS 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
147

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

DATE Sat., Sun. & Mon.
24, 25 & 26 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	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
100%	100%	100%	100%	100%

TEMPERATURE	
MINIMUM	MAXIMUM
71°	94°

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
1-2 hrs			2-11 hrs	3-13 hrs	

FEET	TIME
1.50'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS 1 2 3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
2-15 hrs	14-108 hrs	6-60 hrs	22-183	0700 M	1630M	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; SELECTIVE DEMOLITION
- b. Gill's Crane Service, Inc. - STEEL SHEET PILES
- c. Arcadia Rebar, Inc. - RESTEEL INSTALLATION

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

- a) Set forms and placed concrete for West Mono #166; Cut-off existing concrete cap from sheet piles between WB/L Sta's 117+75 and 118+15; Con't working on forms in staging area.
- b) Drove 56 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 103+97.5 and 104+98.5.
- c) Set and tied bottom resteel for West Monos #154 & #156, and pre-tied 2 wall stem mats

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tide 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, Gill and Arcadia this date. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96 PERCENT PROJECT COMPLETE: 27.9%
PERCENT TIME ELAPSED: 50.1%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

SELECTIVE DEMOLITION: No instructions issued.

STEEL SHEET PILES: No instructions issued.

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: Performed a Pre-Placement Inspection on West Mono #166 prior to placing concrete (see attached LMN Form 1246). Witnessed placement and vibration of concrete into forms for West Mono #166. Contractor placing concrete in less than 18" lifts, not allowing concrete to fall/drop more than 5', and is providing adequate vibrations. Spare vibrator is on site. Witnessed contractor performing required test on concrete used this date, and molding 3 test cylinders (see attached sheet for test results). Noted carpenter continuing to work on forms in staging area.

SELECTIVE DEMOLITION: Contractor cut-off existing concrete cap from existing sheet piles at elev. +6.75' for temporary flood protection, between WB/L Sta's 117+75 and 118+15. Concrete cap was placed on the F/S of the existing sheet piles.

STEEL SHEET PILES: Subcontr. (Gill) drove 56 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 103+97.5 and 104+98.5, to a top elev. of +5.75' except for 4 piles at each monolith joint where piles were driven to a top elev. of +5.00'

RESTEEL INSTALLATION: Noted subcontr. (Arcadia) set and tied bottom resteel only for West Monos #154 and #156, also pre-tied 2 wall stem mats to be placed later.

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 work was scheduled or performed by contractors during the period of 24 & 25 June 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

<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
K. BRUNO	Civ. Engr. Tech., GS-04	3 hrs. (Mon)	Trainee

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

Noted that flagmen were being used to direct traffic while concrete trucks were accessing the project site. Flagmen were wearing orange safety vest and using Orange flags.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 28 June 95	SUPERVISOR'S INITIALS 	DATE 7/8/95
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FORM CHECK OUT FOR

STRUCES
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH WEST # 166

LIFT NO. ONE

ELEVATION from +3.00' to +14.40'

DATE OF POUR 26 JUNE 95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	6-26	11:45	ZAB	6-26-95	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	6-26	11:45	ZAB	6-26-95	1200
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	6-26	11:50	ZAB	6-26-95	1250
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	6-26	11:55	ZAB	6-26-95	1255
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	6-26	11:55	ZJB	6-26-95	1255		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75' → 1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	6-26	12:00	ZJB	6-26-95	1255		
G. SAFETY (LIST)	Jmj	6-26	12:00	ZJB	6-26-95	1255		
1. Ladders & Scaffolds	✓	"	"	✓	✓	✓		
2. Eye Protection	✓	"	"	✓	✓	✓		
3. Rigging check	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	6-26	12:00	—	—	—		
Exp. Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#3612	1310 hrs.	2				
Concrete Bucket	1	1.5 c.y.	"	2				
Concrete vibrator	1	18' whip	"	2				
J. REMARKS	SLUMP = 4" & 3.75" ; AIR ENTR. = 5.4% & 5.7% ; CONCRETE TEMPS = 89° & 88° ; AIR TEMPS = 90° & 91° ; 3 Test Cylinders (LA-46)							
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: 6-26-95 REPORT NO.: 188

SKIES: Clear RAIN: 0 IN. TEMP.: 71 MIN. 94 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (L.5) NOISE: Moderate

WORK PERFORMED/LOCATION

- ① B+K Construction - Formed and Poured concrete I-Wall at West Monolith #166 today. Demolished existing floodwall from west B Sta. 118+15 to Sta. 117+75. Carpenters used rented crane to work on steel I-Wall forms in the yard; cleaning, aligning panels, tightening hardware, and patching with "BONDO" filler. Laborers cut weeds and grass on the west Bank, tied in the temp. water line from East Bank to west Bank, and helped with concrete and formwork.
- ② Gill's Crane Service - Drove New C2-101 Sheet Piling on the West Bank from Station 104+98.50 to Station 103+97.50. (56 pieces at 21'-9" long each piece)
- ③ Arcadia Rebar - Tied bottom Re-steel at West Monoliths #156 and #154. Also pre-tied one re-steel mat for I-Wall stem (to be placed later by the Mantis Crane).

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	52	B+K Const.	Forming + Pouring Concrete Floodwall;
8	Skilled	72	"	Demolishing existing floodwall; Repairing
1	Supt.	9	"	I-Wall forms; Curing I-Wall Concrete;
1	Q.C. Rep.	6	"	Patching tie-bolt holes; Cutting Grass (see locations above)
2	Skilled	16	Gill's Crane	Driving C2-101 sheet Piles
1	Unskilled	8	"	(See Above for locations)
4	Skilled	20	Arcadia Rebar	Tying Reinforcing Steel for I-Wall (See Above)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	yes	6	2	-
Komatsu D37P Dozer	-	yes	3	5	-
Kubota 151 Excavator	-	yes	3	5	-
Case 580 Backhoe	-	yes	3	5	-
Koehring 535 Crane	-	yes	8	0	-
MKT Vibro Hammer	-	yes	8	0	-
CASE 580 Backhoe	-	No	0	8	-
Fiat Allis Motor Grader	-	No	0	8	-
Welding machine	-	No	0	8	-
Pettibone 50 Ton Crane	Rental	yes	4	-	-
Mantis crane # 3612	-	yes	8	1	-

TESTS PERFORMED

(As required by plans/specifications)

BTK Construction performed concrete testing and inspection on Mix #44-C delivered by Lafarge Concrete Company today. Three cylinders were molded and will be delivered to the Government Lab tomorrow. Find test results attached (on the "Concrete Field Data Summary" sheet).

* See "REMARKS" concerning vibration monitoring.

MATERIALS RECEIVED

Received 17 cubic yards of Ready-mix concrete (mix #44-C) from Lafarge Concrete Company today. Placed this material in West F-Wall monolith #166.

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

Inspected the demolition of existing floodwall done today. The existing sheet piles were torch cut at elev. +6.75, then the Kubota Excavators pushed the concrete cap over to the canal side. These caps will be broken into smaller lengths and then hauled off to Pontchartrain Materials Corporation to be recycled at a later date.

Inspected the concrete floodwall work done today. The formwork, re-steel, and embedded water stop were checked prior to concrete placement. Alignment, plumbness, width, and height of the form were found to be correct. Turnbuckles were used to plumb and align the top of the form.

JOB SAFETY

(Note inspection, violations/actions taken)

checked the scaffolds on the F-Wall forms used today. Walkboards were loose, and carpenters were instructed to secure these boards with nails or tie wire. Handrails midrails and toe-boards were in good condition.

checked the canal water for signs of oil or fuel spills. No oil or fuel was observed on the water surface. No trash or debris from the contractors' activities was observed in the water either.

REMARKS

(Instructions received, miscellaneous remarks)

Delta Testing did not provide a technician to monitor vibrations today, however BTK Construction did call and request one. The technician could not get permission to set up equipment in the back yards of houses adjacent to the sheet piling 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.

Jerry Justice
Authorized QC Representative

6-27-95
Date

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

DATE: 6-26-95

Pour Location West Monolith #166

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.
266086	12:30	1:50	2.0°	15	4.0 ^x	89°/91°	5.4	3	1:20	9
266091	1:20	2:50	2.0°	15	3.75 ^x	88°/91°	5.7	-	2:10	8

REMARKS:

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

TECHNICIAN:
Steve Thome

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

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

146

TO Area Engineer,
CELMN-CD-NO

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

DATE Friday
23 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
Ptly Cldy & Hot with Rain

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 70°	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 0.30"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 3-24 hrs	TOTAL 3-24 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 2-22½ hrs	SKILLED 9-84 hrs	LABORERS 7-66 hrs	TOTAL 18-172½	FROM 0700 M	TO 1900 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. 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 & placed concrete for West Mono #168; Set wall stem resteel for West Mono #168; Performed structural excavation between WB/L Sta's 102+25 & 105+00; Welded #6 rebars to tops of sheet piles for West Monos #146 thru #153; Rubbing frac. fins on East Monos #120 & #121.
- b) Drove 90 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 104+98.50 and 106+60.90.

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 scheduled and performed by B&K and Gill this date. See attached CQC Report.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 27.4%

PERCENT TIME ELAPSED: 49.6%

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: Performed a Pre-Placement Inspection on West Mono #168, prior to placing concrete (see attached LMN Form 1246). Checked installation of wall stem resteel for West Mono #168 and found to be properly spaced and bar count was correct. Witnessed B&K performing required concrete test and molding 3 test cylinders (see attached sheet for test results). Checked and found #6 rebars welded to the tops of each sheet pile for cathodic protection between West Monos #146 thru #153. Finisher continuing to rub on fractured fins on East Monos #121 & #122. Carpenters working of forms in staging area.

STRUCTURAL EXCAVATION: Checked and found that contractor has excavated for I-Wall Monoliths between WB/L Sta's 102+25 and 105+00, to a bottom elev. of +2.60'. Excavated a trench approx. 6' wide in crown of existing levee, beginning at existing sheet piles and proceeding toward the L/S slope. Some of the excavated material was used to widen the existing levee crown for access, and remaining material was stockpiled on F/S of existing floodwall.

STEEL SHEET PILES: Subcontractor drove 90 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 104+98.5 and 106+60.9, to a top elev. of +5.75' except at mono joints where 4 piles were driven to a top elev. of +5.00' as required.

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 received resteel for 21 Monoliths on the West Levee Floodwall.

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	9 hrs.	QAR
T. WILSON	Elect. Engr., GS-07	7 hrs.	Trainee
K. BRUNO	Civ. Engr. Tech., GS-04	8 hrs.	Trainee

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

Checked and found hoist cables on the Mantis 3612 Crane to be in good shape. Also noted that the anti-two blocking device was working properly.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 28 June 95	SUPERVISOR'S INITIALS 	DATE 7/5/95
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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 West # 168

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 6-23-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	6-23	3:50	ZAB	6-23-95	1610
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	6-23	3:50	ZAB	6-23-95	1610
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	6-23	3:55	ZAB	6-23-95	1610
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	6-23	3:55	ZAB	6-23-95	1615
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	6-23	4:00	ZJB	6-23-95 1615	1615		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75' → 1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	6-23	4:05	ZJB	6-23-95	1620		
G. SAFETY (LIST)	Jmj	6-23	4:05	ZJB	6-23-95	1620		
1. Rigging Check	✓	"	"	✓	✓	✓		
2. Ladder + Scaffold	✓	"	"	✓	✓	✓		
3. Eye Protection	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	6-23	4:10	-	-	-		
Expansion Material	NONE	POUR	"	"				
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mant's Crane	1	#3612	1705	1 1/2				
Concrete Bucket	1	1.5 c.y.	"	"				
Concrete Vibrator	1	18' whip	"	"				
J. REMARKS	SLUMP = 3" + 3 1/4" ; AIR ENTR. = 5.2% + 5.6% ; CONCRETE TEMPS = 86° + 89° ; AIR TEMPS = 84° + 88° ; 3 Test Cylinders (LA-45)							
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: 6-23-95 REPORT NO.: 187

SKIES: Clear → Cloudy RAIN: 0.30 IN. TEMP.: 70 MIN. 92 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.7) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Formed and poured concrete I-wall (West Monolith #168). Top mat of reinforcing steel was set by B+K Construction Carpenters (Arcadia Rebar not here today). Performed structural excavation on the West Bank from station 105+00 to station 102+25. Welded #6 rebar on top of new sheet piling for cathodic protection at west Monoliths #153, #152, #151, #150, #149, #148, #147, and #146. Carpenters continued work on steel I-wall forms in the yard. Cement finisher continued patching small holes in fractured fin section of East I-wall. Laborers unloaded 21 more monoliths of Re-steel from Lulich Steel Company to be used on the West Bank between Robert E. Lee and Prentiss Ave.

Gill's Crane Service - Drove new C2-101 sheet piling on the West Bank from sta. 106+60.90 to sta. 104+98.50 (90 pieces at 21'-9" long)

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	58	B+K Construction	Forming + Pouring concrete
7	Skilled	68	"	I-wall; Cathodic Protection; Structural
1	Supt.	11	"	excavation; Unloading Re-steel;
1	Q.C. Rep.	11.5	"	Finishing I-wall concrete; Re-building I-wall forms.
				(See Locations Above)
2	Skilled	16	Gill's Crane	Driving C2-101 Sheet Piling
1	Unskilled	8	"	(See Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	yes	6	2	-
Komatsu D37P Dozer	-	yes	3	5	-
Kubota 151 Excavator	-	yes	2	6	-
Case 580 Backhoe	-	yes	3	5	-
Koehring 535 Crane	-	yes	8	0	-
MKT Vibro Hammer	-	yes	8	0	-
Case 580 Backhoe	-	No	0	8	-
Fiat Allis Motor Grader	-	No	0	8	-
Welding Machine	-	yes	4	4	-
Mantis Crane # 3612	-	yes	9	2	-

TESTS PERFORMED

(As required by plans/specifications)

B+k Construction technician performed concrete tests today on Ready-mix Concrete (Mix #44-C) delivered by Lafarge Concrete Company. Find results attached to this report.

Delta Testing performed vibration monitoring in the afternoon, adjacent to sheet pile driving work on the West Bank. Test results will be furnished to the Orleans Levee Board.

MATERIALS RECEIVED

Received 21 monoliths worth of Reinforcing steel for I-wall on the West Bank at Robert E. Lee Blvd. to Prentiss Avenue today. This material was unloaded along the levee (West Bank) and strung out in place as needed.

Received 17 cubic yards of Concrete (Mix #44-C) from Lafarge Concrete Company today. Placed this material in West I-wall Monolith #168.

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

Inspected the I-wall formwork and re-steel on the west Bank today (west Mon. #168). Condition of forms was like-new, and form oil was applied prior to placement of steel forms. Alignment and plumbness were checked and adjusted, using a surveyors transit, from 2.5' o/s Line. Elevations were checked and found to be correct (Top of wall = ±14.42). Reinforcing steel was placed in the correct size and number of bars. Clearances were found to be 2 1/2" to 3" all around. Water stops and chamfer strips were correctly installed. Form checklist was completed prior to concrete placement.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the rigging on the concrete bucket today. Wire rope slings were in good condition, safety latch was in good working condition on the block. Shackles used were also in good condition.

Checked exhaust systems on the Mantis Crane and the Komatsu 200 Excavator and the Mkt. V-5 hammer. No exhaust leaks or excessive smoke were observed.

REMARKS

(Instructions received, miscellaneous remarks)

ONE laborer continued cutting grass and weeds on the West Bank between Filmore Avenue and Prentiss Avenue.

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.

Jerry Justice
Authorized QC Representative

6-20-95
Date

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

DATE: 6-23-95

Pour Location West Monolith #168

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.
265868	5:06	5:30	1.5"	10 gal.	3"	86° 84°	5.2%	3	1706 hrs.	9
265877	5:35	6:15	1.5"	15 gal.	3.25"	89° 88°	5.6%	—	1740 hrs.	8

REMARKS:

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

145

TO Area Engineer,
CELMN-CD-NO

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

DATE Thursday
22 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

TEMPERATURE

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

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
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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 1.80'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS 1 2 3

SUPERVISORY 2-19 hrs	SKILLED 9-84 hrs	LABORERS 6-57 hrs	TOTAL 17-160	FROM 0700 M	TO 1800 M	FROM M	TO M	FROM M	TO M
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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. _____

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

- a) Set forms & placed concrete for West Mono #170; Set wall stem resteel for West Mono #170; Installed cathodic jumpers between West Monos #140 thru #145; Continued refurbishing forms; Burned holes in sheet piles for installation of bottom resteel for West Monos #149 & #150.
- b) Drove 92 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 106+60.90 and 108+26.80/

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tide 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.

DATE SET FOR COMPLETION: 04 MAY 96

PERCENT PROJECT COMPLETE: 26.7%
PERCENT TIME ELAPSED: 49.4%

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 QCC ACTIVITIES

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

REINFORCED CONCRETE FLOODWALL: Observed installation of wall stem resteel for West Mono #170 this date, also the forms for this Mono. Performed a Pre-Placement Inspection of West Mono #170 prior to placing concrete (see attached LMN Form 1246). Witnessed placement and vibration of concrete this date for West Mono #170. Found concrete being placed in less than 18" lifts, well vibrated, and not being allow to drop more than 5' as required. Witnessed Contractor Rep. performing required concrete test and molding 3 test cylinders (see attached sheet for test results). Checked and found cathodic protection jumpers properly installed and coated with epoxy resin, for West Monos #140 thru #145. Noted that contractor burned 2" holes in steel sheet piles approx. 2½" above stab slab for the installation of resteel for West Monos #149 and #150. Observed carpenters continuing to refurbish forms in staging area.

STEEL SHEET PILES: Noted that subcontractor (Gill) drove 92 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 106+60.90 and 108+26.80. Spot checked and found all piles to be driven plumb and on proper alignment, to a top elev. of +5.75', except for the 4 piles at mono joints which were driven 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.
NONE

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



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

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

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

Checked and found ladder to scaffolds on I-Wall Forms to be extended 3' above the landing, and securely fastened to the forms to prevent movement.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE B. BRYANT, JR.	DATE 28 June 95	SUPERVISOR'S INITIALS 	DATE 7/5/95
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FORM CHECK OUT FOR

 STRUCTURE REINFORCED CONCRETE FLOODWALLJOB Lake Pontchartrain, LA. and Vicinity, London Ave
Canal, Mirabeau Ave. to Leon C. Simon Blvd.CONTRACT NO.
DACW29-94-C-0079MONOLITH
West # 170LIFT NO.
ONEELEVATION
from 3.00 to 14.40DATE OF POUR
6-22-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	6-22	3:05	ZAB	6-22-95	1520
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	6-22	3:05	ZAB	6-22-95	1520
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	6-22	3:10	ZAB	6-22-95	1525
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	6-22	3:15	ZAB	6-22-95	1525
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	6-22	3:45	ZAB	6-22-95	1525		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.87'	✓	"	"	✓	✓	✓		
WIDTH 1.75' → 1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	6-22	3:20	ZAB	6-22-95	1530		
G. SAFETY (LIST)	JmJ	6-22	3:20	ZAB	6-22-95	1530		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Scaffold + br	✓	"	"	✓	✓	✓		
3. Rigging Check	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	6-22	3:20	-	-	-		
Expansion Material	NONE THIS POUR	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#3612	1615	1.75				
Concrete Bucket	1	1.5 c.y.	"	"				
Concrete vibrator	1	18' whip	"	"				
J. REMARKS	SLUMP = 5" and 5" ; AIR ENTR. = 5.7% + 5.8% ; CONCRETE TEMPS = 86° + 86° ; AIR TEMPS = 88° + 88° ; 3 Test Cylinders (LA-44)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: Zouli				
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: 6-22-95 REPORT NO.: 186
 SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 72 MIN. 92 MAX
 DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (L.8) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Formed and poured concrete I-wall at West Monolith #170 today. Top reinforcing steel mat was set and tied in place before closing up the forms, by B+K Construction. Installed bond cables for sheet piling cathodic protection at West Monolith Joints #145-144, #144-143, #143-142, #142-141, and #141-140. Burned holes in new sheet piles for #6 Rebar to pass through at West Monoliths #150 and #149. Carpenters continued work on steel I-wall forms, cutting and re-attaching fractured fin liner. Laborers cut weeds and grass on the West Bank between Prentiss and Filmore Avenues, flagged traffic, and poured concrete. Gill's Crane - Drove new CZ-101 sheet piling on the West Bank from station 108+26.89 to station 106+60.90 (92 pieces at 21'-9" long each piece).

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	49	B+K Construction	Forming and pouring concrete
7	Skilled	68	"	I-wall; Rebuilding I-wall forms;
1	Supt.	11	"	Cathodic protection work; cutting
1	QC Rep.	8	"	grass.
				(See Locations Above)
2	Skilled	16	Gill's Crane	Driving CZ-101 sheet piling
1	Unskilled	8	"	on the West Bank
				(See Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	—	yes	5	3	—
Komatsu D37P Dozer	—	yes	4	4	—
Kubota 151 Excavator	—	yes	3	5	—
Case 580 Backhoe	—	yes	3	5	—
Koehring 535 Crane	—	yes	7	1	—
MKT Vibro Hammer	—	yes	7	1	—
Case 580 Backhoe	—	No	0	8	—
Fiat Allis Motor Grader	—	No	0	8	—
Mantis Crane #3612	—	yes	8	2	—

TESTS PERFORMED

(As required by plans/specifications)

BTK Construction performed concrete testing and inspection on the ready-mix concrete delivered by Lafarge Conc. Co. today (17 cu. y. of Mix #44-c). Find results attached to this report on the BTK Construction "Concrete Field Data Summary" sheet.

Delta Testing monitored vibrations adjacent to the sheet piling work (\pm Station 107+00 - West Bank). Results are furnished to the Orleans Level Board only.

MATERIALS RECEIVED

Received 17 cubic yards of concrete (Mix #44-c) today and placed this material in West I-wall Monolith #170. Concrete delivery tickets were furnished to the Government Inspector on site, complete with batch weights (written on the tickets).

Three concrete cylinders were molded and will be delivered to the Government Lab tomorrow.

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

I inspected the I-Wall concrete work performed today. The forms were in like-new condition, and were sprayed with the proper form release agents for plywood and form liner. Both sides of this I-wall (Monolith #170) had the fractured lin form liner attached as per contract drawings. The widths were checked and found to be 1.75' at the bottom portion and 1.00' at the stem. Height of the monolith was 11.4'; top elevation was 14.40. Waterstops were installed in the center of the wall at each end of the monolith, and extended from 3" above bttm. of I-wall to 6" below top of I-wall. All exposed corners were chamfered-3/4".

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the scaffold and ladder at the I-wall pour today. Handrails, midrails, and toe-boards were intact. Ladder was in good condition, and was secured to the forms at the top to prevent movement.

Inspected the levee soil, looking for oil/fuel leaks. No signs of oil, fuel, or grease were found. Small amounts of paper and plastic were found (mostly lunch trash), and this will be cleaned up and properly disposed of tomorrow.

REMARKS

(Instructions received, miscellaneous remarks)

An above ground swimming pool at 5919 Pratt Drive collapsed today at approx. 6:00 PM. The owners are claiming that our construction activities caused this collapse. Sheet pile driving work stopped at 3:00 AM today and was 250' away from the pool at that time. At the beginning of the day's work, the sheet pile driving work was 100' away from the swimming pool. Delta Testing stated that no excessive or unusual vibrations were recorded 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.

Jerry Justice
Authorized QC Representative

6-23-95
Date

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

DATE: 6-22-95

Pour Location West Monolith #170

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
265546	4:25 pm	5:00 pm	5.0"	0	5.0"	86° 88°	5.7%	3	4:35	9
265553	5:11 pm	5:40 pm	5.0"	0	5.0"	86° 88°	5.8%	—	5:20	8

REMARKS: Total 17 cubic yards.

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

TECHNICIAN: Steve Thome

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

144

TO Area Engineer,
CELMN-CD-NO

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

DATE Wednesday
21 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
Clear & 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 72°	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
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-10 hrs	TOTAL 2-10 hrs	LABOR
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FEET 1.80'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1 2 3

SUPERVISORY 2-19 hrs	SKILLED 9-73 hrs	LABORERS 7-58 hrs	TOTAL 18-150
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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 (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; 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) Struct. Excavated between WB/L Sta's 105+00 & 106+00; Burned holes in sheet piles for resteel in West Monos #151, #152 & #153; Moved 1-set of I-Wall forms to West Levee.
- b) Drove 54 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 108+26.80 & 109+24.15.

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tide 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.

* Revised Completion Date and % Time Elapsed due to 31 day time extension by Mods #P00009 & P00010.

PERCENT PROJECT COMPLETE: 26.0%

DATE SET FOR COMPLETION: *04 MAY 96

PERCENT TIME ELAPSED: *49.3%

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.

STEEL SHEET PILES: Reminded Contractor that sheet pile interlocks are to fall on the C/L of I-Wall Monolith Joints.

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

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

REINFORCED CONCRETE FLOODWALL: Observed contractor buring 2" holes in steel sheet piles approx. 2½" to 3" above stab slab for installation of resteel for I-Wall monoliths #151, #152 and #153. Carpenters completed refurbishing 1-set of I-Wall forms with fractured fins, and moved them from the staging area to the west levee in vicinity of West Mono #170. Carpenters continued refurbishing 2-sets of forms in staging area this date. Finisher con't rubbing flat surfaces of fractured fins on East Monos #120 & #121.

STRUCTURAL EXCAVATION: Observed contractor performing structural excavation on the west levee between WB/L Sta's 105+00 and 106+00. Contractor excavated a trench approx. 6' wide in the existing levee crown, down to approx. elev. +2.60' as required for the bottom elev. of the stabilization slabs. Part of the excavated material was used to widen-out the existing levee crown for access, and remaining material was stockpiled on F/S of existing wall.

STEEL SHEET PILES: Observed subcontractor (Gill) driving 54 pcs of CZ-101 X 21'-9" piles, between WB/L Sta's 108+26.80 & 109+24.15, to a top elev. of +5.75', except at Mono Joints where 4 piles were driven to a top elev. of +5.00' as required. All piles were driven plumb and on proper alignment.

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	Cosnt. Insp., GS-07	5 hrs.	QAR
T. WILSON	Elect. Engr., GS-07	5 hrs.	Trainee

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

Noted person using cutting torch to be wearing cutting goggles, leather gloves, hard hat, and safety footwear.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE P. BRYANT, JR.	DATE 26 June 95	SUPERVISOR'S INITIALS LW	DATE 7/3/95
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QUALITY CONTROL REPORT
 DACW29-94-C-0079
 LONDON AVENUE OUTFALL CANAL
 B & K CONSTRUCTION JOB NO. 9402

DATE: 6-21-95 REPORT NO.: 185

SKIES: Clear RAIN: 0 IN. TEMP.: 72 MIN. 92 MAX

DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (L.8) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Performed structural excavation from West Bank station 106+00 to station 105+00. Burned holes in C2-101 sheets for #6 rebar at West Monoliths #153, #152, & #151. Carpenters completed work on two I-Wall fractured fin forms, and moved these two forms to the work site at Robert E. Lee Blvd. (West bank). Continued work on remaining I-wall forms in the staging area at R.E. Lee and Pratt Drive. Laborers cut grass and weeds in the staging area and along the west bank levee. Survey crew staked out sheet piling offsets, marked elevations for sheet pile cut off, stabilization slab, and excavation work, and continued 'X'-sections. Gill's Crane Service - Drove new C2-101 sheet piling on the West Bank from station 109+24.15 to station 108+26.80 (54 pieces at 21'-9" long each piece). Also corrected the problem noted on yesterday's report with sheet pile tops being uneven.

CONTRACTOR/SUBCONTRACTORS AND *See "Inspections performed"
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	50	B+K Construction	Structural excavation; I-Wall
7	Skilled	57	"	form rebuilding; Grass & weed
1	Supt	9	"	cutting; Burning holes for re-steel;
1	Q.C. Rep.	10	"	Layout of work; Cross-sections for Temp. Flood Protection Submittal. (See Locations Above)
2	Skilled	16	Gill's Crane	Driving C2-101 sheet piling;
1	Unskilled	8	"	Correcting cut-off elevations on C2-101 sheet piling (See Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

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

TESTS PERFORMED

(As required by plans/specifications)

Delta Testing performed vibration monitoring adjacent to sheet piling work today on the West Bank (± station 109+00). Results to be furnished to the Orleans Levee Board. No excessive vibrations were recorded, according to the technician on duty today.

MATERIALS RECEIVED

None received Today.

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

Inspected C2-101 sheet piles today between Sta. 111+50 and 108+30 (West Bank). The slight differences in cut-off elevation, making the tops of the piling uneven, were corrected as per instructions. This was accomplished by driving the higher pieces down to match the lower pieces. All the C2-101 sheets were still within grade tolerance. Cut-off elevation was checked, and found to be between +5.60 and +5.85, and the tops of the sheet piling were even, to allow #6 Rebar to be welded flush on top of them.

Alignment and plumbness of sheet piles driven today were correct. (Alignment was on \pm plus or minus 0.10'; plumbness was within 1/8" per foot in both directions.)

(Note inspection, violations/actions taken)

Checked the Mantis Crane for fire extinguisher and for any signs of damage to the crane or wire rope lifting cables. A fully charged 5 lb. ABC fire extinguisher was mounted on the crane. Lifting cables were in good condition, with no broken strands of wire or flat spots. Hydraulic hoses and lines were also good, with no leaks noted. Anti-two block device was in good working condition. The operator stated that there were no safety problems evident.

REMARKS

(Instructions received, miscellaneous remarks)

Theoretical Monolith joints do not match the \pm of C2-101 sheet pile interlocks at every location. The forms will have to be modified slightly to make the concrete expansion joints match the \pm of sheet pile interlocks at each monolith joint. The carpenter crew will be responsible for making these adjustments in the field, as well as keeping the border around fractured fin evenly spaced.

The Pile driving crew has been instructed daily to keep each monolith at 28'-10 1/2" long.

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.

Jerry Justice
Authorized QC Representative

6-22-95
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

143

TO Area Engineer,
CELMN-CD-NO

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

DATE Tuesday
20 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 & Warm

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

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

TEMPERATURE

MINIMUM	MAXIMUM
72°	89°

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

24 HOUR PRECIPITATION

INCHES	ENDING
0.00"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
1-2 hrs			2-10 hrs	3-12 hrs	

Canal RIVER STAGE

FEET	TIME
1.60'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
2-16½ hrs	13-97 hrs	7-57 hrs	22-170½	0700 M	1600 M	M	M	M	M

1 2 3

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; 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 buy letter in Table above)

- a) Struct. Excavated WB/L Sta's 106+00 to 107+50; Placed slab WB/L Sta's 113+00 to 114+00; Installed cath. jumpers between West Monos #145 thru #148; Rubbed fractured fins on East Monos #119 & #120; Welded #6 rebars to top of sheet piles for W. Monos #154 & #155.
- b) Drove 76 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 109+24.15 & 110+61.25.
- c) Installed bottom resteel for West Monos #158, #160 & #162, and tied pre-tied 2 wall mats.

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tide 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, Gill, and Arcadia this date. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 25.6%

PERCENT TIME ELAPSED: 51.7%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended this date:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

STRUCTURAL EXCAVATION: No instructions issued.

RESTEEL INSTALLATION: No instructions issued.

STEEL SHEET PILES: No instructions issued.

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

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

REINFORCED CONCRETE FLOODWALL: Checked and found cat. jumpers properly installed & coated for West Monos #145 thru #148, and #6 rebars welded to tops of all sheet piles for West Monos #154 & #155 as required. Observed B&K placing +4.0" of concrete for stab slab between WB/L Sta's 113+00 & 114+00. Observed finisher rubbing fractured fins on East Monos #119 & #120.

STRUCTURAL EXCAVATION: Observed B&K excavating for I-Wall construction between WB/L Sta's 106+00 and 107+50, to a bottom elev. of +2.60' (bottom elev. of stab slab), approx. 6' wide. Excavated material used to widen levee crown for access and remaining material stockpiled on F/S of existing wall.

STEEL SHEET PILES: Checked and found Gill drove 76 pcs of CZ-101 X21'-9" piles between WB/L Sta's 109+24.15 and 110+61.25, to a top elev. of +5.75' except at Mono Joints where 4 piles were driven to a top elev. of +5.00' as required. All piles were driven plumb and on good alignment, and all interlocks properly locked.

RESTEEL INSTALLATION: Noted that Arcadia has properly installed all required bottom resteel for West Monos #158, #160 & #162, and also pre-tied 2 wall stem mats for future placement.

QUALITY CONTROL: Contractor is providing adequate quality control.

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

NONE

CONTROVERSIAL MATTERS IN DETAIL

NONE

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

NOTE: Reviewed Contractor's Hurricane Protection Plan this date, with CQC Rep's M. Tassin and J. Justice.

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	2 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	6 hrs.	QAR
T. WILSON	Elect. Engr., GS-07	4 hrs.	Trainee

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

Checked and found all rod-busters wearing hard hats, safety footwear, and leather gloves this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 26 June 95	SUPERVISOR'S INITIALS 	DATE 7/3/95
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QUALITY CONTROL REPORT
 DACW29-94-C-0079
 LONDON AVENUE OUTFALL CANAL
 B & K CONSTRUCTION JOB NO. 9402

DATE: 6-20-95 REPORT NO.: 184

SKIES: Pt. Cloudy RAIN: 0 IN. TEMP.: 72 MIN. 89 MAX

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

WORK PERFORMED/LOCATION

- ① B+K Construction - Formed and poured stabilization slab on the West Bank from Sta. 114+00 to Sta. 113+00. Installed bond cables for cathodic protection at West Mono. Jts. #148-147, #147-146, and #146-145. Burned holes in CZ-101 sheet piling for #6 Rebar verticals at West Monoliths #155 and #154. Performed structural excavation for I-wall on the West Bank from Sta. 107+50 to Sta. 106+00. Carpenters worked on I-wall forms in the Pratt Drive yard. Laborers cut grass and weeds on the West Bank. Survey crew cross-sectioned East Bank levee.
- ② Gill's Crane Service - Drove CZ-101 sheet piling on the West Bank from Sta. 110+61.25 to Sta. 109+24.15 (76 pieces at 21'-9" each).
- ③ Arcadia Rebar - Tied reinforcing steel for new I-wall at West Monoliths #162, #160, and #158 (bottom steel only). Also pre-tied two re-steel top mats on the canal side of the existing sheets, to be placed at a later date.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	49	B+K Const.	Forming & pouring stab. slab; cathodic
7	Skilled	57	"	protection work; structural excavation;
1	Supt.	8.5	"	Rebuilding I-wall forms; cutting
1	Q.C. Rep.	8	"	grass and weeds.
				(See Location Above)
2	Skilled	16	Gill's Crane	Driving CZ-101 sheet piles.
1	Unskilled	8	"	(See Location Above)
4	Skilled	24	Arcadia Rebar	Tying reinforcing steel for new
				I-wall.
				(See Locations Above)

QUALITY CONTROL REPORT
EQUIPMENT

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

TESTS PERFORMED

(As required by plans/specifications)

Delta Testing performed vibration monitoring on the West Bank at \pm station 11 +00 (adjacent to sheet pile work). Test results will be furnished to the Orleans Levee Board.

MATERIALS RECEIVED

Received 8 cubic yards of ready-mix concrete from Lafarge Conc. Co. today (Mix #44-C; 3000 psi). This was placed in the stabilization slab on the west Bank (See page 1 for location).

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

CZ-101 Sheet piling driven on the West Bank today and yesterday were uneven (on top, at cut-off elevation). The sheets were within specified tolerances, however there were sheets side by side that had elevation differences of 1" to 1 1/2". The #6 Rebar to be welded across the top of these new sheets requires that the tops be level and flush. The sheet pile driving crew was instructed to go back and correct this problem, starting tomorrow at 7:00 AM (before driving any more sheets). The alignment and plumbness of the CZ-101 sheets were found to be acceptable, within tolerances specified in the contract. Gill's Crane Service will comply, and correct the problem tomorrow.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the rigging used to lift sheets today. The sorting hooks and wire rope slings were in good condition. Workers were wearing hard hats and steel toes, as well as leather gloves while handling sheets.

Provided workers with 10-K thirst quenching drink to help cope with the heat humidity and dehydration this summer. Cold water provided as well as 10-K drink.

REMARKS

(Instructions received, miscellaneous remarks)

The contractor's "Hurricane Plan" and the "Hurricane Breach Closure Plan" were reviewed again today by Supt. Mike Tassin and Q.C. Representative Jerry Justice. No problems were evident in these plans as they translate to accomplishing the work in the field. Sheet piling to be used is on-hand, as is the crane and vibratory hammer. Qualified crane operators and pile drivers could be split into two separate 12 hour shifts to complete the Breach Closure on time (if necessary due to fatigue).

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.

Jerry Justice
Authorized QC Representative

6-21-95

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

142

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

DATE Sat., Sun. & Mon.
17, 18 & 19 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
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 69°	MAXIMUM 89°

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

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-9 hrs	TOTAL 2-9 hrs	LABOR
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FEET 1.50'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-14½ hrs	SKILLED 9-76 hrs	LABORERS 7-58 hrs	TOTAL 18-148½
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NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1		<input type="checkbox"/> 2	<input type="checkbox"/> 3
FROM 0700 M	TO 1600 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 107+50 & 109+00; Poured slab between WB/L Sta's 114+00 & 115+35; Installed cath. jumpers between West Monos #148 & #153; Welded #6 rebars to top of sheet piles for West Monos #154 thru #156; Rubbing fractured fins on East Monos #118 & #119.
- b) Drove 50 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 110+61.25 & 111+51.60.

Days of no work and reasons for same:

50% of day lost due to adverse weather/high tide 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 on Mon., 19 June 95. See attached CQC Report. No work scheduled on 17 & 18 June 95.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 25.0%
PERCENT TIME ELAPSED: 51.5%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases on Mon., 19 June 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., 19 June 95:

REINFORCED CONCRETE FLOODWALL: Checked and found area formed fro, stab slab between WB/L Sta's 113+90 and 115+35, graded to allow for +4.0" of concrete as required. Observed placement of concrete for stab slab between WB/L Sta's 114+00 and 115+35. Checked and found cathodic protection jumpers properly installed and coated approx. 8" below I-Wall elev. between West Monos #148 thru #153, and #6 rebar welded to top of each sheet pile on West Monos #154, #155 and #156. Noted contr. had burned holes approx. 3" from stab. slab in sheet piles for the installation of resteel for the bottom sections of West Monos #156 thru #159.

STRUCTURAL EXCAVATION: Checked and found that Contr. (B&K) has excavated for I-Walls between WB/L Sta's 107+50 and 109+00, to a bottom elev. of +2.60' (bottom of stab slab). Excavated material was used to widen existing levee crown for access, and remaining material was stock-pile on F/S of existing wall.

STEEL SHEET PILES: Checked and found that subcontr. (Gill) has properly drove 50 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 110+61.25 & 111+51.50, down to a top elev. of +5.75' except at mono joints where 4 piles were drive to a top elev. of +5.00' as required. All piles were driven plumb and on proper alignment.

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

CONTROVERSIAL MATTERS IN DETAIL.
NONE

INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.
NONE

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



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

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
Z. BRYANT	Const. Insp., GS-07	6 hrs. (Mon)	QAR
T. WILSON	Elect. Engr., GS-07	3 hrs. (Mon)	Trainee

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

Checked and found hoist cables on the Koehring 535 Piledriver to be in good shape (no fraying, spreading, flat-spots, etc.).

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 26 June 95	SUPERVISOR'S INITIALS 	DATE 7/3/95
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QUALITY CONTROL REPORT
 DACW29-94-C-0079
 LONDON AVENUE OUTFALL CANAL
 B & K CONSTRUCTION JOB NO. 9402

DATE: 6-19-95 REPORT NO.: 183

SKIES: Clear RAIN: 0 IN. TEMP.: 69 MIN. 89 MAX

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

* 6-17-95 NO WORK PERFORMED
 * 6-18-95 NO WORK PERFORMED WORK PERFORMED/LOCATION

B+K Construction - Formed and poured concrete stabilization slab on the west Bank from station 115+35 to station 114+00. Installed bond cables for cathodic protection at West Monolith Joints #153-152, #152-151, #151-150, #150-149, and #149-148. Welded #6 Rebar on top of CZ-101 sheet piling for cathodic protection at West Monoliths #156, #155, and #154. Also burned holes in new CZ-101 sheets for #6 Rebar verticals at West Monoliths #159, #158, #157, and #156. Performed structural excavation to station 107+50 (West Bank). Began cutting weeds + grass on the West Bank from Robert E. Lee → Pumping Station #4. Carpenters continued re-building forms for West Bank I-wall.
Gill's Crane Service - Drove new CZ-101 sheet piling on the West Bank from sta. 111+51.60 to sta. 110+61.25 (50 pieces at 21'-9" long each piece).

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Unskilled	50	B+K Construction	Forming + pouring stabilization slab; Cathodic protection work; Structural excavation; I-wall form assembly
7	Skilled	60	"	
1	Supt.	8.5	"	
1	Q.C. Rep.	6	"	
2	Skilled	16	Gill's Crane	Driving 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	6	2	—
Komatsu D37P Dozer	—	Yes	3	5	—
Kubota 151 Excavator	—	Yes	3	5	—
Case 580 Backhoe	—	Yes	3	5	—
Koehring 535 Crane	—	Yes	8	0	—
MKT Vibro Hammer	—	Yes	8	0	—
Case 580 Backhoe	—	No	0	8	—
Motor Grader	—	No	0	8	—
Welding Machine	—	Yes	2	6	—
Mantis Crane #3612	—	Yes	6	2	—

TESTS PERFORMED

(As required by plans/specifications)

Vibration Monitoring performed by Delta Testing today on the West Bank at ± station 110 + 75. Results will be furnished to the Orleans Levee Board.

Concrete cylinders molded on Friday 6-16-95 were delivered to the Government Laboratory today for compressive strength testing.

MATERIALS RECEIVED

Received 14 cubic yards of Concrete today from Lafarge Conc. Co. (mix #44-C) and placed this material in stabilization slab on the West Bank (Sta. 115 + 35 → 114 + 00).

QUALITY CONTROL REPORT
INSPECTIONS PERFORMED

(Including results and actions taken)

I inspected the stabilization slab work done today on the west Bank between Sta. 115 +35 and Sta. 114 +0. The bottom of the excavation was smooth and dry, consisting of undisturbed existing soil. (The bottom of the slab was \pm elevation +2.60.) Forms were set on each side of the slab, which measured 2'-8" from $\frac{c}{c}$ to the Land side, and 2'-4" to the Canal side. The top of the slab was elevation +2.95. Concrete was placed directly from the delivery truck chute, and not dropped more than 3' to 4' vertically. The wet concrete was then consolidated and floated to leave a smooth surface.

Also inspected today was the Cathodic Protection work on the West Bank (see monolith locations on Page # 1). The #6 rebar tack-welded to the top of the C2-101 sheet piling was clean and free of rust. The rebar was welded to each piece of piling, but did not extend through the monolith joints. Bond cables and re-bar were checked to insure a good bond to sheet piling.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked reverse alarms on the Komatsu dozer and the Mantis crane today. Both machines had back-up alarms in good working order. Alarms were clearly audible to personnel behind equipment.

A safety inspection performed on the 2nd CASE 580 BACKHOE revealed that there is no Reverse alarm installed on this machine. This backhoe will not be used until there is a working reverse alarm installed.

REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice
Authorized QC Representative

6-20-95
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
141

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

DATE
Friday
16 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 & 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 ENDING
0.00" 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-5 hrs	TOTAL 1-5 hrs	LABOR
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FEET 1.50'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS 1 2 3

SUPERVISORY 2-16½ hrs	SKILLED 8-64 hrs	LABORERS 6-48 hrs	TOTAL 16-128½
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FROM 0700 M	TO 1600 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.
Note: If the contractor's Quality Control Report (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) Placed concrete for East Mono #162 (Concrete Collar Tie-in) at approx. EB/L Sta. 119+03; Performed structural excavation between WB/L Sta's 109+00 and 111+00; Finisher con't rubbing fractured fins between East Monos #115 & #118; Poured stab. slab between WB/L 115+35 & 115+55.
- b) Drove 54 pcs of CZ-101 X 21'-9" piles between WB/L sta's 111+51.60 & 112+48.95

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 this date, by B&K and Gill. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 24.5%
PERCENT TIME ELAPSED: 51.0%

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 QA Inspections were performed this date:

REINFORCED CONCRETE FLOODWALL: Performed a Pre-Placement Inspection on East Mono #162 (see attached LMN Form 1246). Observed placement and vibration of concrete for East Mono #162 this date. Concrete was not allowed to drop more than 5', was placed in lifts of less than 18" and was well vibrated. Witnessed Contractor performing required concrete test & molding 3 test cylinders (see back of LMN Form 1246 for test results). Observed finisher continuing to rub surfaces of fractured fins on East Monos #115 thru #118, patching all surface defects 1/2" and larger.

STRUCTURAL EXCAVATION: Observed contractor performing structural excavation on the existing west levee, between approx. WB/L Sta's 110+00 and 111+00. Contractor excavated a trench approx. 6' wide on L/S of existing floodwall, down to approx. bottom elev. of +2.60'. Excavated material was used to widen existing levee crown and any excess material was stockpiled on the F/S of the existing floodwall.

STEEL SHEET PILES: Observed subcontr. driving approx. 25 pcs of CZ-101 X 21'-9" piles between approx. WB/L Sta's 112+03.95 and 112+48.95 (contr. actually drove 54 pcs, between WB/L Sta's 111+51.60 & 112+48.95), down to a top elev. of 5.75' except at mono joints.

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	4 hrs.	QAR

NOTE: QAR, Z. Bryant left jobsite after concrete placement at approx. 1230 hrs. to attend the Annual Engineers Day Picnic.

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

Checked and found sling being sued to hoist concrete bucket this date, to be in very good shape.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 23 JUNE 95	SUPERVISOR'S INITIALS 	DATE 7/3/95
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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 # 162

ONE

from 2.00 to 14.40

6-16-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	6-16-95	9:15	ZAB	6-16-95	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	JmJ	6-16	9:15	ZAB	6-16-95	0915
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	6-16	9:20	ZAB	6-19-95	0920
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	6-16	9:25	ZAB	6-19-95	0925
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	6-16-95	9:25	ZJB	6-16-95	0925
CLEANLINESS	✓	"	"	"	✓	✓
RELEASING AGENT	✓	"	"	"	✓	✓
TIES AND BOLTS	✓	"	"	"	✓	✓
LENGTH 3.45' x 5.87'	✓	"	"	"	✓	✓
WIDTH 1.75' x 2.25'	✓	"	"	"	✓	✓
HEIGHT 12.40'	✓	"	"	"	✓	✓
WATERSTOPS	✓	"	"	"	✓	✓
CHAMFER STRIPS	✓	"	"	"	✓	✓
F. WEATHER PROTECTION	Jmj	6-16	9:25	ZJB	6-16-95	0930
G. SAFETY (LIST)	Jmj	6-16	9:30	ZJB	6-16-95	0930
1. Rigging	✓	"	"	✓	6-16-95	
2. Eye Protection	✓	"	"	✓		
3. Ladders	✓	"	"	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	6-16	9:30	ZJB	6-16-95	0930
Expansion Material	✓	"	"	✓		

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#3612	9:50	1 1/2				
Concrete Bucket	1	1.5 c.y.	9:50	"				
Concrete Vibrator	1	18' Whip	9:50	"				

J. REMARKS SLUMP = 4 1/4" ; AIR ENTR. = 6.0% ; CONCRETE TEMPS = 74° ;

AIR TEMPS = 87° ; 3 Test Cylinders (LA-43)

FINAL CLEARANCE

CONTRACTOR REPRS:

Jerry M. 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 CONSTRUCTION JOB NO. 9402

DATE: 6-16-95

REPORT NO.: 182

SKIES: Cloudy RAIN: 0 IN. TEMP.: 6 MIN. 8 MAX.

DUST: Some LEVEE CONDITION: Dry CANAL GAUGE: (1.5) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Poured concrete collar at East Monolith #162. Also poured stabilization slab on the West Bank from sta. 115+55 to sta. 115+35. Performed structural excavation on the West Bank from sta. 111+00 to sta. 109+00. Carpenters worked on I-wall forms in the Pratt Drive yard. Cement finisher continued patching small holes in the fractured fin portion of the East I-Wall. Surveyors continued scribing offset lines on the seal slab, and staking out for sheet pile work.

Gill's Crane Service - Drove new CZ-101 sheet piling on the West Bank from sta. 112+48.95 to sta. 111+51.60 (54 pieces at 21'-9" long each piece).

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	40	B+K Const.	Placing concrete for tie-in collar and stabilization slab; Excavating for I-Wall construction; Rebuilding I-Wall forms; patching I-wall concrete. (See Locations Above)
6	skilled	48	"	
1	Supt.	8.5	"	
1	Q.C. Rep	8	"	
2	skilled	16	Gill's Crane	Driving new CZ-101 sheet piles 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	6	2	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe	—	yes	3	5	—
Koehring 535 Crane	—	yes	7	1	—
MKT Vibro Hammer	—	yes	7	1	—
Welding Machine		No	0	8	—
Case 580 Backhoe Fiat Allis Motor Grader		No	0	8	—
MantisCrane # 3612		yes	6	2	—

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction performed concrete tests on Mix #44-C delivered by Lafarge Conc. Co. today. Results of the tests are attached to this report on the "Concrete Field Data Summary" sheet.

Delta Testing monitored vibrations caused by construction activities today on the West Bank near station 112+00. Results are furnished only to the Orleans Levee Board.

MATERIALS RECEIVED

Received 8 cubic yards of concrete from Lafarge today (Mix #44-C), and placed this material in East Thopolith #162 today. Approximately one cubic yard was used in the stabilization slab on the West Bank (see Page #1). Three cylinders were molded for compressive strength testing, and will be delivered to the Government Laboratory on Monday.

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

I inspected the structural excavation work done on the West Bank today. No grass or roots were present in the excavation limits, nor any other foreign matter, debris, or obstructions. The material from the excavation was mostly suitable for backfill and embankment work, with only a small amount of rock, gravel, or broken concrete mixed in with the soil. (This debris was minimal, small in size, and was existing in the levee prior to this contract. Bottom of the excavation was elevation +2.65, and the width of the trench was 4' to 6' wide. The soil was placed partly on the Canal side and partly on the Land side, then spread and compacted with the dozer.

Also inspected the sheet piling driven today. Cut off elevation was +5.75. Alignment and plumbness were found to be within the tolerances specified (alignment was on $\frac{1}{8}$ " of I-wall, plus or minus 0.15'; plumbness was within $\frac{1}{8}$ " per foot.

JOB SAFETY
(Note inspection, violations/actions taken)

Inspected the rigging on the concrete bucket, and checked for any loose or broken parts. The slings and shackles used were in good condition. No broken or defective parts were observed.

I checked the canal water for any oil or fuel that might have been spilled or leaked from contractor's equipment. No sign of any oil, fuel, or debris was found in the canal water.

REMARKS
(Instructions received, miscellaneous remarks)

We plan to hire a full time laborer to maintain the grass and weeds on the levee as well as the entire construction easement area. The grass cutting will begin on Monday 6-19-95.

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 as noted.

Jerry Justice
Authorized QC Representative

6-19-95
Date

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

DATE: 6-16-95

Pour Location East Monolith #162 (Concrete Collar)

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CMLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
264235	9:41	10:25	2.5°	10 GAL.	4.25*	74°/87°	6.0	3	9:50	8

REMARKS: **ONLY ONE 8yd. Truck*

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

140

TO Area Engineer,
CELMN-CD-NO

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

DATE Thursday
15 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
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 62°	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

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-4 hrs	TOTAL 1-4 hrs	LABOR
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FEET 1.30'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-16 hrs	SKILLED 8-64 hrs	LABORERS 6-48 hrs	TOTAL 16-128
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NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1		<input type="checkbox"/> 2		<input type="checkbox"/> 3	
FROM 0700 M	TO 1530 M	FROM M	TO M	FROM M	TO M

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- b. 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) Poured stabilization slab between WB/L Sta's 115+55 and 116+25; Cut-off existing concrete cap between WB/L Sta's 118+15 & 118+95; Completed forming for East Mono #162 (Concrete Collar Tie-in) at EB/L Sta. 119+03; Finisher rubbed on fractured fins on East Monos #110 thru #115.
- b) Drove 68 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 112+48.95 & 113+71.75

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. See attached CQC Report.

DATE SET FOR COMPLETION: 03 APR 96 PERCENT PROJECT COMPLETE: 24.1%
PERCENT TIME ELAPSED: 50.8%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- SELECTIVE DEMOLITION: No instructions issued.
- STEEL SHEET PILES: No instructions issued.

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

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

REINFORCED CONCRETE FLOODWALL: Checked forms for stab. slab between WB/L Sta's 115+50 and 116+26, and found top of forms to be at elev. +3.00' as required, and inside of forms graded to allow for +4.0" of concrete. Observed placement of concrete for stab. slab at the above mentioned location. Observed B&K cutting off existing concrete caps and sheet piles between WB/L Sta's 118+15 and 118+95, at elev. +6.75'. Existing cap fell onto F/S of existing wall. Noted B&K cutting holes(3" from stab. slab.) in steel sheet piles for resteel placement, in West Monos #160 # #161. Observed finisher rubbing fractured fins in East Monos #110 - #115. Noted B&K finished forming for Concrete Collar Tie-In Mono at EB/L Sta. 119+03 (Mono #162).
SELECTIVE DEMOLITION: Contractor cut-off existing concrete caps & sheet piles at elev. +6.75' between WB/L Sta's 118+15 and 118+95.
TEMPORARY FLOOD PROTECTION: Existing sheet piles were cut-off at elev. +6.75' in the reach between WB/L Sta's 118+15 and 119+65 (150' total).
STEEL SHEET PILES: Observed Gill driving steel sheet piles between WB/L Sta's 112+48.95 and 113+71.75, Drove 68 pcs of CZ-101 X 21'-9" piles this date, to a top elev. of +5.75', except for 4 piles at each mono joint inwhich these piles were driven to a top elev. of +5.00'.

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	4 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 alarm working properly on the Case 580 Backhoe this date.
 No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 22 June 95	SUPERVISOR'S INITIALS 	DATE 7/3/95
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QUALITY CONTROL REPORT
 DACW29-94-C-0079
 LONDON AVENUE OUTFALL CANAL
 B & K CONSTRUCTION JOB NO. 9402

DATE: 06/15/95 REPORT NO.: 181
 SKIES: Clear RAIN: 0 IN. TEMP.: 62 MIN. 89 MAX.
 DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.3) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Poured Concrete Stabilization Slab on the West Bank from Station 116+25 to Station 115+55. Cut existing Sheet Piles off (at elevation +6.75) and demolished existing Concrete Cap from West B/L Station 118+95 to Station 118+15. Burned holes in CZ-101 Sheet Piles for #5 Rebar at West Monoliths #161 and #160. Carpenters completed forming Concrete collar at East Monolith #162. Laborers cleaned up debris and materials at Pumping Station #4 Staging Area. Repaired Fencing at Pumping Station #4 and fixed job sign at Robert E. Lee Blvd. Cement Finisher patched small holes in the Fractured Fin area of the East Bank I-Wall. Surveyor set grades for Sheet Pile cut off and Stabilization Slab, and checked alignment and interlock spacing on CZ-101 Sheet Piles.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the West Bank from Station 113+71.75 to Station 112+48.95. (68 pieces at 21'9" long each piece.)

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
6	Skilled	48	B & K	Pouring Concrete at Stabilization Slab; demolishing
5	Unskilled	40	"	existing Floodwall; forming Concrete Collar; Repairing
1	Supt.	8	"	small holes in Fractured Fin Concrete surfaces;
1	Q. C. Rep.	8	"	cleaning up debris and materials; repairing Fences
				and job sign; layout and control work for Sheet Piles
				and Stabilization Slab. (See locations above.)
2	Skilled	16	GILL'S	Driving new CZ-101 Sheet Piling on the West Bank.
1	Unskilled	8	CRANE	(See locations above.)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	Yes	4	4	-
Komatsu D-37 Dozer	-	Yes	2	6	-
Kubota 151 Excavator	-	Yes	2	6	-
Case 580 Backhoe	-	Yes	3	5	-
Case 580 Backhoe	-	Yes	2	6	-
Mantis #3612 Crane	-	Yes	5	3	-
Motor Grader	-	No	0	8	-
Welding Machine	-	No	0	8	-
Koehring 535 Crane	-	Yes	8	0	-
MKT V-5 Hammer	-	Yes	8	0	-

TESTS PERFORMED
(As required by plans/specifications)

DELTA TESTING - Performed vibration monitoring on the West Bank near Station 113+00 today checking and recording construction related vibration levels.
Results of these tests are only furnished to the ORLEANS LEVEE BOARD.

MATERIALS RECEIVED

Received 6 cubic yards of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY today, and placed this material in Stabilization Slab on the West Bank between Station 116+25 and Station 115+55.

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

I inspected the CZ-101 Sheet Piling work done on the WEST Bank today. Materials used were all new CASTEEL CZ-101 Sheet Piles 21'9" long, driven in paris. No defects in materials were observed. Alignment of the Sheets was as follows: C/L of the new I-Wall = C/L of the new CZ-101 Sheet Piles, plus or minus 0.15'. Cut off elevation was +5.75, plus or minue 0.10'. Plumbness was within 1/8" per foot in both directions. The interlocks were all fully engaged throughout the length of the piling.

Inspected the finishing work being done on the East I-Wall (± Station 102+67----> 105+00). The small air bubble holes were patched and smoothed over sufficiently. All holes 1/2" in diameter or larger were patched. The finished product was acceptable (in my opinion) and ready to receive paint.

JOB SAFETY
(Note inspection, violations/actions taken)

Checked the Mantiş Crane block today. The block, swivel hook, and latch were all in good working condition today. cables on the Crane were also found to be in good condition.

Checked the Levee for signs of oil/fuel leaks or contamination. No evidence of soil contamination was observed today.

REMARKS
(Instructions received, miscellaneous remarks)

A meeting with Mr. Clayton Perrett and Mr. Ron Lorio was held today on the East Bank at Pumping Station #4 (south side) to discuss construction methods. The electric feeder lines at this location must be uncovered and physically located by the contractor before Sheet Pile driving can start between Station 99+75 and 100+50.

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

06/16/95
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

139

TO Area Engineer,
CELMN-CD-NO

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

DATE Wednesday
14 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
Clear & Mild

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 62°	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

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-5 hrs	TOTAL 1-5 hrs	LABOR
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FEET 1.30'	TIME 0800
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS 1 2 3

SUPERVISORY 2-16 hrs	SKILLED 5-40 hrs	LABORERS 6-48 hrs	TOTAL 13-104
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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. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- 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 setting forms for the Concrete Collar Tie-In at EB/L Sta. 119+03 (East Mono #162); Set forms for stabilization slabs between WB/L Sta's 115+35 & 116+25; Finisher rubbing in fractured fins on East Monos #106 and #110; Removed existing concrete cap between WB/L Sta's 118+95 and 119+35.

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 this date. See attached CQC Report for details.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 23.5%
PERCENT TIME ELAPSED: 50.7%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:
REINFORCED CONCRETE FLOODWALL: No instructions issued.
SELECTIVE DEMOLITION: No instructions issued.

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 finisher rubbing surfaces of fractured fins between East Monos #106 and 110 patching all holes 1/2" and larger. Observed carpenters beginning to set forms for the Concrete Collar Tie-In at EB/L Sta. 119+03 (East Mono #162); Noted B&K setting forms for the stabilization slabs between WB/L Sta's 115+35 and 116+25, at a top elev. of +3.00'.

SELECTIVE DEMOLITION: Observed contractor cutting existing concrete caps off of the existing sheet piles at approx. elev. +6.75', and allowing these caps (2) to fall onto the F/S of the existing wall, between WB/L Sta's 118+95 and 119+35.

TEMPORARY FLOOD PROTECTION: Existing sheet piles are cut-off at elev. +6.75, between WB/L 118+95 and 119+65 (70'), to provide temporary flood protection in this area.

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

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

QAR, Z. Bryant reminded M. Tassin and J. Justice that all grass on project must be maintained to a height of not more than 8", throughout the limits of the contract. Messrs. Tassin and Justice both agreed to concur as soon as possible.

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	4 hrs.	QAR

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

Noted concrete finisher wearing safety glasses while chipping concrete on floodwalls.
No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  LANE D. BRYANT, JR.	DATE 22 June 95	SUPERVISOR'S INITIALS yz	DATE 7/2/95
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QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	No	0	8	-
Komatsu D-37 Dozer	-	No	0	8	-
Kubota 151 Excavator	-	Yes	2	6	-
Case 580 Backhoe	-	Yes	4	4	-
Case 580 Backhoe	-	No	0	8	-
Fiat-Allis Motor Grader	-	No	0	8	-
Mantis Crane	-	Yes	6	2	-
Welding Machine	-	No	0	8	-
Koehring 535 Crane	-	No	0	8	-
MKT V-5 Vibratory Hammer	-	No	0	8	-

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)

I inspected the Formwork done today on the Concrete Collar at East Monolith #162. Plywood surfacing material was in good condition. 4x4 timbers used for horizontal support members were spaced at 12" on centers. Forms were plumb and level, corners were square. Tie-bolts and braces will be added tomorrow. Re-Steel was clear and free of rust, and was placed in the proper amount and location. Clearances were checked and found to be 2" to 3" all around.

JOB SAFETY
(Note inspection, violations/actions taken)

Checked the anti-two block device on the Mantis #3612 Crane today. The on board computer shut down all operator controls that would hoist the load any further than ± 2 " from the head of the boom. The computer also shut down all controls that would extend a load further away from the machine once the maximum safe working load has been reached.

Checked Canal water for any signs of pollution from the contractor's activities. None were found today.

REMARKS
(Instructions received, miscellaneous remarks)

Inspector Zane Bryant stated that B & K CONSTRUCTION must maintain the grass & weeds on the jobsite at a height of no more than 6" - 8". The grass cutting should start as soon as possible, per Zane Bryant. Project Manager Blake Andrews is in the process of hiring a sub-contractor to maintain the grass & weeds now.

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 QC Representative

06/15/95
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
138

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

DATE Tuesday
13 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
Clear & Mild

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

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

TEMPERATURE

MINIMUM	MAXIMUM
60°	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	ENDING
0.00"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
1-1 hr.			1-6 hrs	2-7 hrs	

Canal RIVER STAGE

FEET	TIME
1.30'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
2-16 hrs	10-68 hrs	5-40 hrs	17-124

NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
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FROM	TO	FROM	TO	FROM	TO
0700 M	1530 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; SELECTIVE DEMOLITION
- 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) Began selective demolition on west levee between WB/L Sta's 119+35 & 119+65 by cutting off the existing concrete cap; Carpenters continue refurbishing I-Wall forms in staging area; Formed & placed concrete slab between WB/L Sta's 116+25 & 116+70
- b) Set & tied rebar for East Mono #162 (Concrete Collar) at EB/L Sta. 119+03, and set & tied bottom rebar for West Mono #164. Also Tied 2 sets of wall stem mats.

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 scheduled and performed by B&K and Arcadia this date. See attached CQC Report for details.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 23.5%
PERCENT TIME ELAPSED: 50.5%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

Attended the following CQC Inspection Phases this date:

- REINFORCED CONCRETE FLOODWALL: No instructions issued.
- SELECTIVE DEMOLITION: No instructions issued.
- RESTEEL INSTALLATION: No instructions issued.

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

The following Preparatory Inspection was performed this date:

SELECTIVE DEMOLITION: See attached minutes.

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

REINFORCED CONCRETE FLOODWALL: Observed carpenters continuing to refurbish I-Wall forms in the north staging area. Checked formed area for stabilization slab between WB/L Sta's 116+25 and 116+70 and found it to be graded to allow for +4" of concrete.

SELECTIVE DEMOLITION: Observe B&K cutting off existing concrete cap on sheet piles at approx. elev. +6.75' between WB/L Sta's 119+35 & 119+65. Existing concrete cap was allowed to fall on the F/S of the existing sheetpiles and will be removed at a later date.

RESTEEL INSTALLATION: Observed and checked installation of resteel for East Mono #162 (Concrete Collar) at EB/L Sta. 119+03, and for the bottom of West Mono #164. All resteel was installed in accordance with approved shop drawings, and was tied at 100%. Noted subcontractor also tied 2 wall stem mats on the floodside of existing floodwall.

TEMPORARY FLOOD PROTECTION: B&K cut-off the existing sheetpiles at elev. +6.75' between WB/L Sta's 119+35 & 119+65 for temp. flood protection as required.

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

QAR, Z. Bryant reminded CQC Rep's M. Tassin and J. Justice that it is the Contractor's responsibility to keep the grass cut on the jobsite, between the safety/silt fences and private property fences, and in both Staging Areas. Messrs. Tassin and Justice informed QAR that Mr. B. Andrews, B&K Proj. Manager informed them that B&K would hire a subcontractor to maintain the grass on this project.

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)

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	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 using the cutting torch this date, was wearing cutting goggles, leather gloves and hard hat.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 22 June 95	SUPERVISOR'S INITIALS ZB	DATE 7/3/95
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QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	No	0	8	-
Komatsu D-37 Dozer	-	No	0	8	-
Kubota 151 Excavator	-	Yes	2	6	-
Case 580 Backhoe	-	Yes	4	4	-
Case 580 Backhoe	ARR	No	0	8	-
Fiat-Allis Motor Grader	-	No	0	8	-
Mantis #3612 Crane	-	Yes	6	2	-
Welding Machine	-	No	0	8	-
Koehring 535 Crane	-	No	0	8	-
MKT V-5 Vibratory Hammer	-	No	0	8	-

TESTS PERFORMED
(As required by plans/specifications)

NONE PERFORMED TODAY.

MATERIALS RECEIVED

Received 4 cubic yards of Concrete (Mix #44) from LAFARGE CONCRETE COMPANY today, and placed this material in Stabilization Slab on the West Bank from Station 119+65 to Station 119+35. No tests were performed on this material, and no cylinders were molded.

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

A Preparatory Inspection was held today prior to beginning any "Selective Demolition" work. Minutes of the Meeting are attached to this report.

Inspected the demolition of the existin Floodwall performed today. (Initial inspection will be conducted after the first 100' of demolition is completed.) Existing Sheet Piles were cut off at elevation +6.75. The Concrete Cap was then pushed over to fall on the Canal Side with the Kubota 151 and the Case 580. This Concrete Cap will remain here until a later date, when it will be broken up and hauled off to be recycled.

Checked Stabilization Slab elevations today. Bottom of the Slab was approximately +2.60, and top of the Slab was +2.95. The Excavation was dry during placement of Concrete.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the oxygen and acetylene torch rig used today on the West Bank. Back-flow preventers were in place on both regulators. Gauges and regulators were working and in good condition. A fire extinguisher was on hand at the work site. Torch operator wore burning goggles and leather gloves while operating the torch.

Laborers cleaned up trash and debris at Robert E. Lee Blvd. East & West Bank.

REMARKS

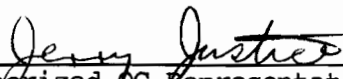
(Instructions received, miscellaneous remarks)

A Preparatory Meeting was held at 9:00 AM today to discuss "Selective Demolition" work. The meeting was held in B & K CONSTRUCTION 'S Field Office. (Mr. Bryant and Mr. Chris Wagner were notified on 06/12/95)

Minutes of this meeting are attached to this report.

Inspector Bryant again instructed us to begin cutting grass and weeds within the construction easement today. Project Manager, Blake Andrews, is hiring a sub-contractor to accomplish this 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 QC Representative

06/14/95

Date

Attendees List

Jerry Justice

Q.C. Representative
BTK Construction

Zane Bryant

COE, QAR

Mike Lam

SUPERINTENDENT
BTK

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

PREPARATORY AGENDA
SELECTIVE DEMOLITION

1. 24 hour notification given on 06/12/95 to Inspector Zane Bryant.
2. Check attendance to insure that all necessary personnel are present for the meeting.
3. Determine whether all submittal requirements have been satisfied for the demolition work.
4. Discuss proposed methods of construction planned by B & K CONSTRUCTION (include equipment and personnel requirements).
5. Review the Job Hazard Analysis that was prepared for this phase of work. Address possible hazards and prevention of accidents.
6. Establish Quality Control monitoring & reporting requirements for "Selective Demolition" work.
7. Agree on the level of workmanship expected for this part of the work.
8. Have all parties sign the attendance register.

SELECTIVE DEMOLITION
WEST BANK STATION 119+65 TO STATION 102+00
PREPARATORY MEETING MINUTES
06/13/95

A Preparatory Meeting was held today to discuss "Selective Demolition" on this project. The meeting was held in the field office of B & K CONSTRUCTION. Present for the meeting were B & K CONSTRUCTION'S Superintendent Mike Tassin, Q. C. Representative Jerry Justice, and Corps of Engineers Project Inspector Zane Bryant. The required 24 hour notice was given to Inspector Bryant on 06/12/95.

Methods of accomplishing this work were then discussed. Superintendent Mike Tassin stated that we plan to cut the existing Sheet Piles with an acetylene torch at elevation +6.75, then push the concrete cap and top portion of the Sheet Piles over towards the Canal Side, and let them fall there. The concrete cap will be broken up and hauled off to Pontchartrain Materials New Orleans yard later for recycling. The Sheet Piling scrap and reinforcing Steel scrap will be loaded up and hauled off to Southern Scrap's New Orleans yard for recycling. After the new I-Wall is complete, the existing Sheet Piles will be cut off (or driven down) to 6" below finished grade.

The equipment and man power we plan to utilize to accomplish this work is as follows:

<u>EQUIPMENT</u>	<u>LABOR</u>
1 - Kubota 151 Excavator	1 - burner
1 - Case 580 Backhoe	1 - Operator
1 - Hydraulic Breaker	2 - Laborers
1 - Komatsu 200 Excavator	
1 - Mantis Crane	
2 - Tandem Dump Trucks	

Inspector Bryant stated that we would need to hold additional Preparatory Meetings for other reaches of the project. This Preparatory only addressed demolition of existing Floodwall from West B/L Station 119+65 to Station 102+00.

The Job Hazard Analysis was then reviewed, and dangers specific to this part of the work were discussed. Superintendent Mike Tassin stated that all workers would wear steel toe boots, hard hats, and leather gloves on demolition crews. Flagmen will be provided to stop traffic for equipment & haul trucks. Safety meetings will be held weekly to discuss prevention of accidents.

Q. C. Representative Jerry Justice stated that he would be the main point of contact for monitoring and reporting on this phase of work. Daily reports on the limits of demolition and the disposition of demolished materials will be shown on the Q. C. Report as well as Safety inspections.

With all parties present in agreement as to the scope of work methods of accomplishing the demolition, and the level of workmanship required for this phase of work, the meeting was adjourned.


Q. C. Representative
B & K CONSTRUCTION

**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
137

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

DATE
03 thru 12 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 68°	MAXIMUM 95°

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

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY 1-3 hrs	OFFICE	LAYOUT	INSPECTION 1-6 hrs	TOTAL 2-9 hrs	LABOR
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FEET 2.50' to 1.40'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 2-97 hrs	SKILLED 10-399 hrs	LABORERS 9-355 hrs	TOTAL 21-851
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NUMBER OF SHIFTS 1 2 3

FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

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

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 concrete collar tie-in at EB/L Sta. 102+67; Poured stab. slab between WB/L Sta's 119+70 and 118+05; Installed cathodic jumpers between West Monos #153 & #171; Performed structural excavation between WB/L Sta's 111+00 & 114+50.
- b) Drove 168 pcs of CZ-101 X 21'-9" piles between WB/L Sta's 113+71.75 and 116+74.78.
- c) Set & Tied resteel for bottoms of West Monos #164, #166, #168 & #170.

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, Arcadia Rebar, and Gill this period. See attached CQC Reports for details.

DATE SET FOR COMPLETION: 03 APR 96

PERCENT PROJECT COMPLETE: 22.9%
PERCENT TIME ELAPSED: 50.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

See attached PE's QA Supplemental Reports for details of inspections attended during the period of 05 thru 09 June 95.

QAR, Z. Bryant attended the following CQC Inspection Phases on Mon., 12 June 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

See attached PE's QA Supplemental Reports for details of QA Inspections performed during the period of 05 thru 09 June 95.

The following QA Inspections were performed on Mon., 12 June 95, by QAR, Z. Bryant:
REINFORCED CONCRETE FLOODWALL: Observed finisher rubbing fractured fin areas on East Monos #106 & #107 this date. Observed carpenters continuing to refurbish I-Wall forms in the north staging area. Checked installation of cathodic protection jumpers between West Monos #153 thru #157, and found all to be properly cadwelded and coated with resin epoxy as required, at approx. elev. +2.00' which is approx. 1' below the bottom of proposed I-Wall Monoliths. Observed contractor forming for stabilization slab between WB/L Sta's 115+00 and 117+00.

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

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

QAR, Z. Bryant and PE, C. Wagner both informed QCC Rep's M. Tassin and J. Justice, and B&K Owner B. Kenyon that it is the contractor's responsibility to keep the grass cut on the existing levees within the construction right-of-way and between the safety/silt fences and private property fences. This grass is excessively tall and must be cut as soon as possible. Messrs. B. Kenyon, M. Tassin and J. Justice stated that they would concur and would have the grass cut in the very near future.

CONTROVERSIAL MATTERS IN DETAIL:

NONE

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

NOTE: QAR, Z. Bryant was notified on Mon., 12 June 95 that Contractor would like to hold a Preparatory Meeting for Selective Demolition on Tue., 13 June 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
C. WAGNER	Civ. Engr., GS-11	3 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	6 hrs. (6/12/95)	QAR

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

On Mon., 12 June 95, noted all personnel were wearing hard hats and safety boots when on jobsite.

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 16 June 95	SUPERVISOR'S INITIALS 	DATE 6/20/95
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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 # 104

LIFT NO. ONE

ELEVATION
 from 2.00 to 12.40

DATE OF POUR
 6-5-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	6-5-95	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	JmD	6-5-95	11:30			
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	6-5-95	11:35			
VERTICAL	✓	"	"			
HORIZONTAL	✓	"	"			
SPACING	✓	"	"			
CLEARANCES	✓	"	"			
STEEL SCHEDULE	✓	"	"			
SHOP DRAWINGS	✓	"	"			
TIE WIRES	✓	"	"			
#6 BAR WELDED	✓	"	"			
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
E. FORMWORK	JmD	6-5-95	11:40			
CONDITION	✓	"	"			

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JMD	6-5-95	11:40			
CLEANLINESS	✓	"	"			
RELEASING AGENT	✓	"	"			
TIES AND BOLTS	✓	"	"			
Collar LENGTH 3.33' x 6.00'	✓	"	"			
Collar WIDTH 1.75' x 2.00'	✓	"	"			
HEIGHT 12.40	✓	"	"			
WATERSTOPS	✓	"	"			
CHAMFER STRIPS	✓	"	"			
F. WEATHER PROTECTION	JMD	6-5-95	11:45			
G. SAFETY (LIST)	JMD	6-5-95	11:45			
1. Eye Protection	✓	"	"			
2. Rigging	✓	"	"			
3. Rubber Gloves	✓	"	"			
H. OTHER CHECKS PER SPECIFIC JOB	JMD	6-5-95	11:45			
Expansion Material	✓	"	"			

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Thomas Crank	1	#3612	1310	1.5				
Concrete bucket	1	1.0 C.Y.	1310	1.5				
Concrete vibrator	1	18' whip	1310	1.5				

J. REMARKS
 SLUMP = 3 3/4" + 4" ; AIR ENTR. = 6.0% + 5.8% ; CONCRETE TEMPS = 86° + 85° ;
 AIR TEMPS = 89° + 90° ; 3 Test Cylinders (LA-42)

FINAL CLEARANCE

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

INSTRUCTIONS

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

DATE 6-9-85

QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed personnel working on T-wall forms in staging area - refurbishing them prior to installing on west side. Rustal personnel began installing rustal on west side (not finished). No other work performed since B+k personnel were meeting @ home office to discuss completion of job.

Instructions to COC/Remarks:

None given today.

Chun F. Nguyen Proj Engr
Name Title

DATE: 6/6/95

QUALITY ASSURANCE REPORT SUPPLEMENT

OA Inspections Performed & Results: Checked sheet pile driving operations + piling which were down today. It appeared some of the sheets had deflected towards the landside @ the interlocks. (See comments below). Contractor was using I-beam templates to align piles + checking plumbness of piles w/ ~~template~~ level. Contractor was also forming up slab in poor to follow later in day. Thickness of slab was min. of 4" thick + ground was level with no standing water.

Instructions to COC/Remarks: Spoke w/ COC rep Jerry Justice regarding the deflection of sheet pile interlocks toward p/s. He stated that measures would be taken to assure problem is corrected + sheets are within tolerance.

Chunf Wagner Proj Engr
Name Title

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	No	0	8	-
Komatsu D37 Dozer	-	No	0	8	-
Kubota 151 Excavator	-	Yes	1	7	-
Mantis 3612 Crane	-	Yes	5	3	-
Fiat-Allis Motor Grader	-	No	0	8	-
Case 580 Backhoe	-	Yes	3	5	-
Welding Machine	-	No	0	8	-
Koehring 535 Crane	-	No	0	8	-
MKT V-5 Vibratory Hammer	-	No	0	8	-

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 on the West Bank today. The cable used was 1/0 gauge Kalas Mfg. Company HMW/PE Cathodic Protection Cable. This material was attached to the new CZ-101 Sheet Piling at either side of the Monolith Joints by exothermic welding process. Cadwelds were supplied by the ERICO PRODUCTS, (handy caps by ROYSTON). The cable ends were attached approximately 5" below the bottom of the Stabilization Slab elevation. Welds were checked to make sure the cables were securely attached to the Sheet Piling before backfilling with existing soil.

JOB SAFETY
(Note inspection, violations/actions taken)

A safety meeting was held today at 7:00 AM in the B & K CONSTRUCTION field office. Minutes of the meeting are attached to this report.

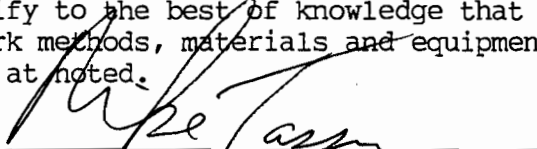
Lunch trash & others debris was cleaned up by City garbage collectors Tuesday morning.

Checked extension cords used by the carpenter crew today. No insulation was cut or broken. Ground plugs were intact. G.F.I. circuit breakers were in place and working on generators and outlets.

REMARKS
(Instructions received, miscellaneous remarks)

Inspector Zane Bryant and Mr. Chris Wagner instructed us to cut the grass & weeds on the Levee and on all construction right of ways A.S.A.P.. Supt. Mike Tassin stated that we would comply. Company President H. B. Kenyon stated that he would hire a lawn care sub-contractor to maintain the grass on the entire jobsite throughout the duration of the contract.

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

06/13/95
Date

MINUTES OF SAFETY MEETING

DATE: 06/12/95

TIME: 07:30 AM

PROJECT: LONDON AVENUE OUTFALL CANAL

MEETING CONDUCTED BY: Jerry Justice

PERSONS ATTENDING: SEE ATTACHED

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

TOPICS DISCUSSED:

The topic of today's Safety Meeting was the importance of wearing proper hard hats on the job. Employees were instructed to make an inspection of their hard hats. The date of manufacturer stamped inside the hats should be 1990 or later. The hard hats should be 1990 or later. The hard hats are only good for 5 years from the date of manufacture, and only 2 to 3 years if left exposed to the sunlight. The suspension parts should also be inspected, and replaced if any worn or broken parts are noticed. The suspension inside the hard hats should be replaced every 12 to 24 months regardless of the condition.

Hard hats should always be worn on the jobsite and in the Staging Area. You should never count on the hard hat to protect you from falling objects. Rather, you should avoid walking, working, or standing under suspended loads or workment. Your head protection is not designed to withstand impact from any heavy load. Your best protection from falling objects is to be aware of, and stay clear of overhead dangers.

COMMENTS:

Employees were reminded to protect themselves from creosote burns when handling or cutting creosote lumber. Long sleeve shirts, gloves, and barrier cream should be used to stop exposure. Eye protection is definitely required when cutting any type of lumber, and goggles should be worn when cutting creosote treated lumber.



CONTRACTOR'S SUPERINTENDENT

6-12-95
Safety meeting Attendees

Jim Justice
Benny Audibert
Mike Concamp
Willie Dillon
Eric Bailey
Jeff Leonard
Larry J. Lee
Gregory Jackson
Steve Thome

1180-1-1q (DAILY LOGS)
DACW29-94-C-0079
LK PONTCHARTRAIN, LA & VIC, HLP
LONDON AVE OUTFALL CANAL MIRABEUA
SECTION B, FOLDERS 5, ITEM 37b

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

DATE: 06/09/95 REPORT NO.: 177
 SKIES: Pt. Cloudy RAIN: 0 IN. TEMP.: 76 MIN. 94 MAX.
 DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.4) NOISE: Minimal

WORK PERFORMED/LOCATION

B & K CONSTRUCTION- Carpenters worked on rebuilding Steel I-Wall Forms in the Staging Area. Laborers sand bagged the gaps in the Flood Protection at tie-in locations. Survey Crew worked on as-built sketches and field notes. No other productive work performed today due to a co-ordination meeting with management personnel today. Operator dressed off the Levee and Temporary Access Road for the weekend.

ARCADIA REBAR - Tied bottom Steel at West Monoliths #170, #168, and #166. Began tying Re-Steel at West Monolith #165 bottom (not completed today).

GILL'S CTANE SERVICE - No work today.

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY
 COMPANY LOCATION/WORK DESCRIPTION

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	40	B & K	Rebuilding Steel I-Wall Forms in the Pratt Drive
7	Skilled	56	"	Staging Area.
1	Supt.	8	"	
1	Q.C. Rep.	8	"	
3	Skilled	12	GILL'S CRANE	Tying Re-Steel for I-Wall Monoliths. (See locations above.)

**QUALITY CONTROL REPORT
EQUIPMENT**

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	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	-
Mantis Crane	-	Yes	5	3	-

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 work performed today. The #5 vertical bars were installed in the proper amount (41 each face per Monolith), however, the spacing was uneven in five places. In these locations, the holes in the Sheet Piling will be moved over to correct this spacing problem before placing I-Wall Forms. Horizontal bars were installed correctly (5 - #5 bars each face at 9" on centers). The U-Bars were also placed in the right location and numbers. Reinforcing Steel was tied approximately 90%. Clearances will be checked when the I-Wall Forms are in place.

JOB SAFETY
(Note inspection, violations/actions taken)

Checked subcontractor's personnel for hard hats, and safety boots. All of ARCADIA REBAR'S workers were wearing the proper safety equipment required by this contract.

Checked the work area for litter/picked up trash found on the Levee and disposed of it properly.

REMARKS
(Instructions received, miscellaneous remarks)

A meeting was set up for Monday (06/12/95) at 10:00 AM at the N.O.A.O. with Chris Wagner, Denis Duhon, Boone Kenyon, Blake Andrews, and Mike Tassin. The purpose of this meeting is to discuss submittals and progress of the work for this contract.

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

06/12/95
Date

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

DATE: 06/08/95 REPORT NO.: 176
 SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 76 MIN. 95 MAX.
 DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.5) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Performed Structural Excavation on the West Bank from Station 112+00 to Station 111+00. Formed and poured Stabilization Slab on the West Bank from Station 117+25 to Station 116+70. Welded #6 Rebar on top of CZ-101 Sheet Piling at West Monoliths #160, #159, #158, #157. Carpenters worked on Steel I-Wall Forms for the next reach of Floodwall in the Pratt Drive Staging Area. Laborers continued bracing off Safety Fence posts to prevent fence failure. Burned holes in CZ-101 Sheet Piling for #5 Rebar at West Monoliths #164, #163, and #162.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the West Bank from Station 114+47.50 to Station 113+71.75 (42 pieces at 21'9" long each piece).

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
8	Unskilled	64	B&K	Performing Structural Excavation; forming and pouring
7	Skilled	56	"	Stabilization Slab; Cathodic Protection - #6 Rebar
1	Supt.	8	"	installation; rebuilding I-Wall forms; finishing
1	Q.C. Rep.	8	"	Stabilization Slab and I-Wall Concrete surfaces;
				laying out I-Wall C/L and elevations. (See locations
				above.)
2	Skilled	16	GILL'S	Driving new CZ-101 Sheet Piling on the West Bank.
1	Unskilled	8	CRANE	(See locations above.)

QUALITY CONTROL REPORT
EQUIPMENT

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

TESTS PERFORMED

(As required by plans/specifications)

DELTA TESTING - Performed vibration monitoring on the West Bank adjacent to the Sheet Pile driving work. Results will be furnished only to the ORLEANS LEVEE BOARD.

MATERIALS RECEIVED

Received 4 cubic yards of Concrete (Mix #44C) from LAFARGE CONCRETE COMPANY today. This material was placed in Stabilization Slab on the West Bank. (See Page 1 "Work Performed" for exact locations.)

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

I inspected the Cathodic Protection work performed on the West Bank today. The #6 Rebar furnished by LULICH STEEL was clean and free of rust before being tack-welded to the top of the CZ-101 Sheet Piling. The #6 Rebar was welded to each piece of CZ-101 Sheet Piling in each I-Wall Monolith, but did not extend through the Expansion Joints. Bond cables (installed previously) were exothermically welded to the Sheets at each side of the Expansion Joints at each I-Wall Monolith Joint. This completed the ground between new Steel Sheet Piling interlocks.

JOB SAFETY
(Note inspection, violations/actions taken)

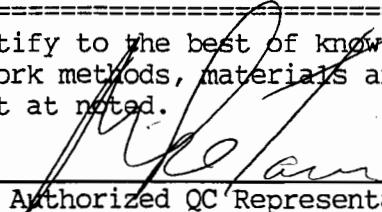
I checked the exhaust systems on the D-37 Dozer and the Komatsu 200 Excavator today. No excessive smoke or fumes were observed while engines were running. Noise levels were observed to be acceptable. No leaks in the systems were found.

Checked the acetylene torch rig being used today. Backflow preventers were in place on the oxygen and the acetylene lines. Regulators and gauges were in good working condition. Worker burning with the torch was wearing burning goggles and leather gloves.

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 as noted.


Authorized QC Representative

06/09/95
Date

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

DATE: 06/07/95 REPORT NO.: 175
 SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 74 MIN. 92 MAX.
 DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (1.6) NOISE: Moderate

WORK PERFORMED/LOCATION

B & K CONSTRUCTION - Performed Sturctural Excavation on the West Bank from Station 113+00 to Station 112+00. Installed Bond Cables for Cathodic Protection at West Monolith Joints #161-#160, #160-#159, #159-#158, and #158-#157. Burned holes in CZ-101 Sheets to pass #5 Rebar through at West Monoliths #167, #166, and #165. Formed and poured Concrete Stabilization Slab on the West Bank from Station 118+05 to Station 117+25 (at Concrete Collar - Monolith #162). Carpenters worked on Steel I-Wall Forms in the yard for the next reach of Floodwall. Surveyors worked on Sheet Pile layout and Structural Excavation layout and elevations.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piling on the West Bank from Station 115+44.90 to Station 114+47.50. (54 pieces at 21'9" long each piece.)

CONTRACTOR/SUBCONTRACTORS AND
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	65	B & K	Structural Excavation; Cathodic Protection; Stabilization Slab; Rebuilding I-Wall Forms; Laying out Sheet Piling and Excavation lines and elevations. (See above for locations.)
8	Skilled	71	"	
1	Supt.	8	"	
1	Q.C. Rep.	10	"	
2	Skilled	16	GILL'S	Driving new CZ-101 Sheet Piling on the West Bank. (See above for locations.)
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	-
Mantis Crane	-	Yes	5	3	-
Fiat-Allis Motor Grader	-	No	0	8	-
Case 580 Backhoe	-	Yes	3	5	-
Welding Machine	-	No	0	8	-
Koehring 535 Crane	-	Yes	8	0	-
MKT Vibratory Hammer	-	Yes	8	0	-

TESTS PERFORMED
(As required by plans/specifications)

DELTA TESTING - Performed vibration monitoring on the West Bank adjacent to Sheet Pile driving work today. Results will only be furnished to the ORLEANS LEVEE BOARD.

MATERIALS RECEIVED

Received 5 cubic yards of Concrete (Mix 44C) from LAFARGE CONCRETE COMPANY and placed this material in Stabilization Slab on the West Bank from Station 118+05 to Station 117+25. Concrete delivery tickets were furnished to the Government.

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

Inspected the Sheet Piling work performed today on the West Bank. All Sheets incorporated into the work were new CZ-101 Steel Sheet Piling 21'9" long (by CASTEEL). All interlocks were fully engaged throughout the length of the Piling. Plumbness was found to be within 1/8" per foot in both directions on all Piling. Alignment was found to be within 0.20' or less of plan location. Cut-off elevation was elevation +5.75, plus or minus 0.10'.

Inspected the burning of holes in CZ-101 Sheet Piling on the West Bank to accept #5 Rebar. Hole sizes were 1 1/2" to 2" in diameter, spaced at 9" on centers (maximum). Each Monolith had 41 holes for the #5 vertical bars. A 6" wide by 15" deep slot was cut at the C/L of each Monolith Joint. Holes for #5 Rebar were located 3" to 5" above the Stabilization Slab.

JOB SAFETY
(Note inspection, violations/actions taken)

Checked Safety Fence on the West Bank between Robert E. Lee and Filmore. Workers were instructed to repair a section of Fence near Robert E. Lee Blvd. This work was completed before quitting time today.

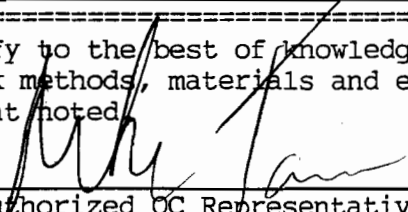
Checked Silt Fence along the West Bank (same reach as above). The Erosion Control is adequate at present, but will need constant attention due to the in-ground swimming pools along this reach of Levee.

Checked workers using acetylene torch today. The worker was wearing leather gloves, goggles, and leather Steel-toed boots while burning holes in Sheet Piles.

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 QC Representative

06/08/95
Date

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	Yes	6	2	-
Komatsu D37 Dozer	-	Yes	3	5	-
Kubota 151 Excavator	-	Yes	3	5	-
Mantis 3612 Crane	-	Yes	5	3	-
Fiat Allis Motor Grader	-	Yes	1	7	-
Case 580 Backhoe	-	Yes	3	5	-
Welding Machine	-	No	0	8	-
MKT Vibratory Hammer	-	Yes	8	0	-

TESTS PERFORMED
(As required by plans/specifications)

DELTA TESTING - Performed vibration monitoring on the West Bank adjacent to Sheet Pile driving operations today.

Results will only be furnished to the ORLEANS LEVEE BOARD.

MATERIALS RECEIVED

Received 8 cubic yards of Concrete (Mix 44c) from LAFARGE CONCRETE COMPANY today, and placed this material in Stabilization Slab on the West Bank from Station 119+05 to Station 118+05.

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

Inspected the Stabilization Slab work completed today. Top of Slab was approximately elevation +2.95. Thickness of the Slab was 4" to 5" and width of Slab was 5'-0" (2'-8" from C/L to the Land Side and 2'-4" toward the Canal Side). The Excavation was dry and soil was undisturbed existing material underneath the Slab. Cathodic Protection Bond Cables were installed prior to placement of Concrete.

Also inspected the CZ-101 Sheet Piling work today. Cut-off elevation was +5.75 except for two pairs at each Monolith Joint, where Pile cut-off was elevation +5.00. Alignment was checked with transit on C/L of I-Wall. No Sheets were found out of tolerance, although several pairs were deflected to the Land Side 0.15' to 0.25'. This deflection problem is being addressed to insure that no Sheets are driven out of tolerance.

JOB SAFETY
(Note inspection, violations/actions taken)

Checked the Canal for debris or oil from contractor's activities. No sign of debris or oil/fuel spills was observed today.

Checked rigging on the Sheet Pile Hammer. Wire rope slings and chokers were in good condition. Screw pin snchors were wired shut to prevent them from vibrating open.

REMARKS
(Instructions received, miscellaneous remarks)

We are still waiting on an approved submittal for Emergency Breach Closure before we can demolish the existing Concrete cap and begin new I-Wall construction.

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 QC Representative

06/07/95
Date

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

DATE: 06/05/95 REPORT NO.: 173
 SKIES: Clear RAIN: 0 IN. TEMP.: 75 MIN. 95 MAX.
 DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.5) NOISE: Moderate

WORK PERFORMED/LOCATION

06/03/95 - Saturday - No work performed.

06/04/95 - Sunday - No work performed.

06/05/95 - Monday - B & K CONSTRUCTION - Formed and poured Stabilization Slab on the West Bank from Station 119+70 to Station 119+05. Poured Concrete at East Monolith #104 today (Concrete collar for tie-in to existing Wall). Performed Structural Excavation on the West bank from Station 114+50 to Station 114+00. Cadwelded Bond Cables for Cathodic Protection on the West Bank at Monolith Joints #171-#170, #170-#169, #169-#168, #168-#167, #167-#166, #166-#165, #165-#164, #164-#163, #163-#162, and #162-#161. Welded #6 Rebar on top of CZ-101 Sheet Piles at West Monoliths #168, #164, #163, #162, and #161. Survey Crew continued layout of I-Wall ahead of the work area on the West Bank.

GILL'S CRANE SERVICE - Drove new CZ-101 Sheet Piles on the West Bank from B/L Station 116+74.78 to Station 116+09.85 (36 pieces at 21'9" long each piece).

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
7	Unskilled	57	B & K	Cathodic Protection; Structural excavation; Concrete
8	Skilled	72	"	placement at Concrete Collar and Stabilization Slab;
1	Supt.	8	"	Layout of I-Wall.
1	Q. C. Rep.	6	"	
2	Skilled	18	GILL'S	Driving new CZ-101 Sheet Piling on the West Bank. (See
1	Unskilled	8	CRANE	locations above.)

QUALITY CONTROL REPORT
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator	-	Yes	4	4	-
Komatsu D37 Dozer	-	Yes	4	4	-
Kubota 151 Excavator	-	Yes	2	6	-
Mantis Crane	-	Yes	5	3	-
Fiat Allis Motor Grader	-	Yes	2	6	-
Welding Machine	-	Yes	3	5	-
Case 580 Backhoe	-	Yes	2	6	-
Koehring 535 Crane	-	Yes	8	0	-
MKT V-5 Vibratory Hammer	-	Yes	8	0	-

TESTS PERFORMED
(As required by plans/specifications)

DELTA TESTING - Monitored vibrations adjacent to the Sheet Pile driving operations today. Results will be furnished to the ORLEANS LEVEE BOARD only.

B & K CONSTRUCTION - Personnel performed Concrete Testing and inspection on Mix #44 delivered by LAFARGE CONCRETE COMPANY today. See Concrete Field Data Summary attached to this report for details.

MATERIALS RECEIVED

Received 12 cubic yards of Concrete (Mix #44C) from LAFARGE CONCRETE COMPANY today. Placed 7 cubic yards of this material in East Monolith #104 (collar) and the remaining 5 cubic yards in Stabilization Slab on the West Bank between Stations 119+70 and 119+05. Concrete delivery ticket copies were furnished to the Project Inspector, Zane Bryant.

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

Inspected the Cathodic Protection bond cables installed on the West Bank today. The location of the cable installation was 4" below the bottom of the Stabilization Slab. Slab grade (approximately 3'-6" below Sheet Pile cut off elevation). The cables were welded to the two pieces of CZ-101 that comprise the "Monolith Joint" or Expansion Joint shown on Page 1 under "Work Performed". The bare part of the wires were completely covered by the epoxy caps after being securely fastened to the Steel Piling using ENRICO PRODUCTS Cadwelds.

Also inspected the Reinforced Concrete Floodwall work done at East Monolith #104 today. IMN Form #1246 was completed prior to Concrete placement by the contractor, as a checklist for any deficient items. Re-Steel clearances were 2" to 3" all around. Top of Wall elevation was +14.40, and condition of forms was good.

JOB SAFETY
(Note inspection, violations/actions taken)

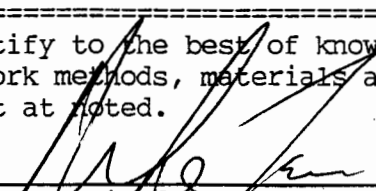
Inspected the Mantis #3612 Crane for oil, fuel, or exhaust leaks which might pollute the land, water, or air resources on the jobsite. No oil, or fuel leaks were noted. Exhaust system was in good condition. Noise level was acceptable.

Checked rigging on Concrete bucket before lifting it for placement of Concrete at East Monolith #104. Rigging was in good condition, as were the bucket lifting bracket and the Mantis Crane cables.

REMARKS
(Instructions received, miscellaneous remarks)

We informed Mr. Chris Wagner of our plans to place Concrete today prior to the start of the Wall pour. This was necessary due to the absence of Inspector Zane Bryant 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 QC Representative

06/06/95
Date

R & K CONSTRUCTION COMPANY, INC
LONNEN AVENUE CANAL FLOODWALL PROJECT
CONCRETE FIELD DATA SUMMARY

DATE: 6-5-95

Pour Location EAST MONOLITH #104 (COLLAR)

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.
261784	1:10	1:40	2.5 ^o	5 GAL.	3.75 ^x	86°	89° 6.0	-	1:25	4
261805	2:00	2:20	3.0 ^o	5 GAL.	4.0 ^x	85°	90° 5.8	3	2:10	8

REMARKS:

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

TECHNICIAN:
Stephen Thorne