

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

IF OCR WILL BE ATTACHED TO OR FILED WITH THE QAR A0006562

REPORT NUMBER  
242

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

DATE Thursday thru Monday  
23 thru 27 November 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 Clear & Cool

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 100/0/0/0/100 %	BORROW EXCAVATION 100/0/0/0/100 %	EMBANKMENT 100/0/0/0/100 %	CONCRETE 100/0/0/0/100 %	STRUCTURE 100/0/0/0/100 %
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MINIMUM 42°	MAXIMUM 68°
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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 11/24/95 ENDING  
0.40" 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			2-12 hrs	2-12 hrs	

FEET	TIME
1.50' to 1.60'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
3-28 hrs	16-156 hrs	19-178 hrs	38-362	0700 M	1530 M				

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; 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 buy letter in Table above)

- a) Repaired safety/silt fences; Wrecked forms from E. Mono #93; Set forms & placed concrete for E. Monos #31 & #36; Placed concrete for stab slab between EB/L Sta's 80+45 & 81+40, and 96+70 & 96+80; Welded #6 rebar to tops of sheet piles & cut holes for resteel in sheet piles for E. Mono #92; Hauled off concrete caps; Rubbed & patched I-Wall Monos; Curing.
- b) Set bottom resteel for E. Monos #33 & #92, and top resteel for E. Monos #36 & #92.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03, 07, 08, 20 & 24 Nov 95.  
50% of days lost due to adverse weather/wet ground on 21 & 22 Nov 95.

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

No work performed on Thu., 23 Nov 95, due to Thanksgiving Holiday. No work performed on Fri., 24 Nov 95 due to wet ground conditions. Progressive work was performed on Mon., 27 Nov 95 by B&K and Arcadia. See attached CQC Reports for details.

\* Changed by Mod #A00004, TE-005

PERCENT PROJECT COMPLETE: 46.2%

DATE SET FOR COMPLETION: \*22 MAY 96

PERCENT TIME ELAPSED: \*72.6%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

No CQC Inspection Phases were attended during the period of 23 thru 26 Nov 95.

Attended the following CQC Inspection Phases on Mon., 27 Nov 95:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

SELECTIVE DEMOLITION: No instructions issued.

RESTEEL INSTALLATION: No instructions issued.

DEC 12 1995

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

The following Follow-Up QA Inspections were performed on Mon., 27 Nov 95:

**REINFORCED CONCRETE FLOODWALL:** Performed Pre-Placement Inspections on E. Monos #31 & #36 (see attached LMN Form 1246's). Witnessed sampling and testing of concrete used this date (see attached Concrete Field Data Sheet for test results). Observed placement of concrete for E. Monos #31 & #36 this date. Noted concrete was not allowed to drop more than 5' by use of trimmie chutes, concrete was placed in lifts of less than 18", and concrete was being well vibrated. Checked and found area between EB/L Sta's 80+45 & 81+40 and 96+70 & 96+80 to be graded to accept +4.0" of concrete as required for slab slabs. Noted that tie-rod holes were packed with dry-pack mortar on E. Mono #93 this date. Observed finishers rubbing surfaces of E. Mono #15, #16 & #93 this date. Noted E. Mono #93 was covered with wetted burlene blanket for curing after forms were removed this date.

**SELECTIVE DEMOLITION:** Observed B&K hauling off concrete cap sections off of jobsite from between WB/L Sta's 113+00 & 118+00.

**RESTEEL INSTALLATION:** Checked and found Arcadia has set & tied all required resteel for the bottom sections of E. Monos #33 & #92 and top resteel for E. Monos #36 & #92 this date. All resteel tied at 100% and set in accordance with approved shop drawings & steel schedule.

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

**NOTE:** QAR, Z. Bryant informed CQC Rep's M. Tassin and J. Justice that due to the inclement weather of the past week, they have until 30 Nov 95 to make all necessary corrections on all deficient items mentioned on QAR #238, 16 Nov 95, before I would issue them a written Notice of Contract Deficiency. Messes Tassin and Justice stated that these items will be corrected by 30 Nov 95.

**CONTROVERSIAL MATTERS IN DETAIL**

NONE

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

**NOTE:** Contractor received resteel for approx. 30 I-Wall Monoliths on Mon., 27 Nov 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>
Z. BRYANT	Const. Insp., GS-07	7 hrs. (Mon)	QAR
P. SCHAEFER	Civ. Engr., GS-07	4 hrs. (Mon)	Trainee

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

Noted all personnel on site on Mon., 27 Nov 95, were wearing safety-toed boots and hard hats. No safety infractions were noted this period.

INSPECTOR'S SIGNATURE

*Z. Bryant*  
ZANE D. BRYANT, JR.

DATE

01 Dec 95

SUPERVISOR'S INITIALS

*gm*

DATE

*12/1/95*



✓ 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 EAST #36

LIFT NO. ONE

ELEVATION from 3.00' to 14.40'

DATE OF POUR 27 Nov 95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	11-27-95	11:50	ZAB	11-27-95	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	Jmd	11-27	11:50	ZAB	11-27-95	12:15
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	11-27	11:55	ZAB	11-27-95	12:15
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	11-27	11:55	ZAB	11-27-95	12:20
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			VIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JMD	11-27	12:00	ZAB	11-27-95	1220		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.88'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JMD	11-27	12:05	ZAB	11-27-95	1225		
G. SAFETY (LIST)	JMD	11-27	12:05	ZAB	11-27-95	1225		
1. Scaffolds & Ladders	✓	"	"	✓	✓	✓		
2. Safety Glasses	✓	"	"	✓	✓	✓		
3. RIGGING	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JMD	11-27	12:10	ZAB	11-27-95	1225		
FL-340 Anchor Bolts	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
KOMATSU 200	1	EXCAVATOR	1:45	1.5				
Concrete Bucket	1	1.0 CK	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.6% ; CONCRETE TEMPS = 71° ; AIR TEMPS = 74° ; 3 Test Cylinders (LA-107)							
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.								

RM 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 EAST # 31

LIFT NO. ONE

ELEVATION from 2.50' to 14.40'

DATE OF POUR 11-27-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	11-22-95	8:05	ZAB	11-27-95	0800
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	11-22	8:10	ZAB	11-27-95	0800
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	11-22	8:15	ZAB	11-27-95	0805
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	11-22	8:20	ZAB	11-27-95	0810
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.					
	NAME	DATE	TIME	NAME	DATE	TIME			
E. FORMWORK (CONT)									
ALIGNMENT	Jmg	11-22	8:20	ZAB	11-27-95	0810			
CLEANLINESS	✓	"	"	✓	✓	✓			
RELEASING AGENT	✓	"	"	✓	✓	✓			
TIES AND BOLTS	✓	"	"	✓	✓	✓			
LENGTH 28.40'	✓	"	"	✓	✓	✓			
WIDTH 2.25'-1.00'	✓	"	"	✓	✓	✓			
HEIGHT 11.90'	✓	"	"	✓	✓	✓			
WATERSTOPS	✓	"	"	✓	✓	✓			
CHAMFER STRIPS	✓	"	"	✓	✓	✓			
F. WEATHER PROTECTION	Jmg	11-22	8:25	ZAB	11-27-95	0815			
G. SAFETY (LIST)	Jmg	11-22	8:25	ZAB	11-27-95	0815			
1. Eye Protection	✓	"	"	✓	✓	✓			
2. Ladder	✓	"	"	✓	✓	✓			
3. Scaffold	✓	"	"	✓	✓	✓			
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	11-22	8:30	ZAB	11-27-95	0815			
FL 340 Anchors	✓	"	"	✓	✓	✓			
Exp Material	✓	"	"	✓	✓	✓			
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS	
Mantis Crane	1	#3612	12:20	1.5					
Conc. Bucket	1	1.0 cy	"	"					
Conc. Vibrator	1	18' shaft	"	"					
Generator	1	Gasoline	"	"					
J. REMARKS	SLUMP = 4.5" ; AIR ENTR. = 6.0% ; CONCRETE TEMPS = 72° ;								
	AIR TEMPS = 75° ; 3 Test Cylinders (LA-100)								
	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: 11/27/95

REPORT NO.: 301

SKIES: Clear

RAIN: 0" IN. TEMP.: 46 MIN 68 MAX

DUST: Minimal

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

WORK PERFORMED/LOCATION

11-26-95 Sunday - NO WORK PERFORMED

11-27-95 Monday - B&K Construction Company -  
 Wrecked forms at East Monolith #93, then patched tie-bolt  
 holes and covered this monolith with burlap. Cleaned,  
 oiled, and set these forms at East Monolith #92 (Not poured  
 yet). Poured concrete at East Monoliths #31 and #36.  
 Also poured concrete stabilization slab from East of sta. 80+45  
 to sta. 81+40, and from East of sta. 96+80 to 96+70.  
 Hauled off broken concrete cap sections between West of sta.  
 118+00 to sta. 113+00. Unloaded re-steel for I-Wall  
 Monoliths from Lulich Steel (the final 12 mono's for Mirabeau  
 to Filmore, and 18 more mono's for Filmore to Pump Sta.  
 #4). Welded #6 rebar on top of AZ-18 sheet piles, and cut holes  
 for rebar to pass through sheets at East Mono #92. Cement  
 finishers completed patching East Mono's #15 and #16, and  
 half of East Mono #93.

Arcadia Rebar - Tied btm. Reinforcing steel at East  
 Monoliths #92 and #33, and set top re-steel mats  
 at East Mono's #92 and #36. Pre-tied 2 more  
 mats of steel for future placement.

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approx.)	COMPANY	LOCATION/WORK DESCRIPTION
19	Unskilled	166	B&K Const.	Forming + pouring concrete I-Wall and stabilization slab; Hauling off concrete cap sections from demolition work; Unloading re-steel deliveries. (See Above)
13	Skilled	112	"	
3	Supt.	28	"	
			"	
3	Skilled	24	Arcadia Rebar	Tying Re-steel for I-Wall Monoliths (See Above)



**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	2	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	2	6	—
RAMEX Roller-Packer	—	No	0	8	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	6	3	—
Koehring 405 Crane	—	yes	6	3	—
J.S.W. Excavator	—	yes	2	7	—
Welding Machine	—	yes	1	7	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	yes	5	4	—
6" diesel pump	—	No	0	8	—
Emv-300 Vib. Hammer	—	No	0	8	—
Bobcat/Concrete Breaker Rental	—	No	Returned	Returned	OFF RENT

**MATERIALS RECEIVED**

Received 12 monoliths of Re-steel from Lulich Steel today for the remainder of I-Wall Mono's between East B 70+26 and 84+30. Also received 18 monoliths of re-steel for East I-Wall Mono's between Sta. 85+54 and 99+69.

Received 17 c.y. of Mix 44-C concrete from Lafarge for East Mono. #92, and 17 c.y. of the same material for East Mono. #33. Also rec'd. 6 1/2 c.y. of Mix 44-C for East bank stab. slab.

**TESTS PERFORMED (see Page #1 for stations.)**

(As required by plans/specifications)

B+K Construction performed concrete testing and inspection on Mix 44-C delivered by Lafarge Conc. Co. today. Results can be found on the attached Concrete Field Data Summary sheet.

INSPECTIONS PERFORMED

Inspection of concrete received today revealed no deficiencies. Slumps, temperatures, and entrained air amounts were all within acceptable limits. The mixture was uniform, and no deleterious substances were observed in the mix.

Inspection of re-steel received today revealed no dirt, rust, oil, or other debris on the re-bar. Bar sizes, lengths, and bends were spot-checked, and no deficiencies were found. Material test reports and mill certificates were supplied by Luitch steel, with each load delivered. Copies of these tests and certifications were furnished to the Project Inspector, Lane Bryant.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the reverse alarms on the two rubber tired backhoes, and the motor-grader today. All three machines had working back up alarms in place, and the signals were clearly audible.

Checked the canal water for any sign of pollution from our activities - None were observed.

REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry M. Justice  
Authorized O C Representative

11-28-95  
Date

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

DATE: 11-27-95

Pour Location East I-Wall Monolith #31 and #36; plus East Bank Stabilization slab, sta. 80+45 to 81+40, and sta. 96+80 to sta. 96+70.

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C

Required Strength 3000 psi  
at 90 days

TICKET NO	TIME ARRVD	TIME CPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
292161	12:15	12:45	4.50 <sup>o</sup>	-0-	4.50 <sup>x</sup>	72°	75°	6.0	3	12:30 9
292183	12:50	1:40	4.0 <sup>o</sup>	3Gal	4.0 <sup>o</sup>	72°	74°	-	-	1:00 9
292203	1:37	2:10	4.0 <sup>o</sup>	-0-	4.0 <sup>x</sup>	71°	74°	5.6	-	2:00 9
292224	2:30	3:15	4.0 <sup>o</sup>	-0-	4.0 <sup>o</sup>	72°	74°	-	-	2:35 7
292244	3:20	3:45	2.5 <sup>o</sup>	10Gal	4.5 <sup>o</sup>	71°	74°	-	-	3:30 5½
291696	1:51	2:02	2.0 <sup>o</sup>	3Gal	4.0 <sup>o</sup>	71°	74°	-	-	2:10 1

REMARKS: Test Cylinder Set #LA-107

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	—	No	0	8	—
Komatsu D37P Dozer	—	Yes	3	5	—
Kubota 151 Excavator	—	No	0	8	—
Case 580 Backhoe #1	—	No	0	8	—
Case 580 Backhoe #2	—	Yes	2	6	—
RAMEX Roller-Packer	—	No	0	8	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	No	0	8	—
Koehring 405 Crane	—	No	0	8	—
J.S.W. Excavator	—	Yes			
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	Yes	3	5	—
6" diesel pump	—	No	0	8	—
Emv-300 Vib. Hammer	—	No	0	8	—
Bobcat/Concrete Breaker Rental	—	No	0	8	—

**MATERIALS RECEIVED**

*None Today*

**TESTS PERFORMED**

(As required by plans/specifications)

*None Today*

INSPECTIONS PERFORMED

None Performed Today

JOB SAFETY

(Note inspection, violations/actions taken)

Feeder Line FL432 was de-energized prior to starting any work today. The feeder line was re-energized after work stopped today.

REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

11-27-95  
Date



**QUALITY CONTROL REPORT  
EQUIPMENT**

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	No	0	8	—
Komatsu D37P Dozer	—	yes	1	7	—
Kubota 151 Excavator	—	No	0	8	—
Case 580 Backhoe #1	—	No	0	8	—
Case 580 Backhoe #2	—	No	0	8	—
RAMEX Roller-Packer	—	No	0	8	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	No	0	8	—
Koehring 405 Crane	—	No	0	8	—
J.S.W. Excavator	—	No	0	8	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	yes	2	6	—
6" diesel pump	—	No	0	8	—
Emv-300 Vib. Hammer	—	No	0	8	—
Bobcat/Concrete Breaker Rental	—	No	0	8	—

**MATERIALS RECEIVED**

NONE TODAY

**TESTS PERFORMED**

(As required by plans/specifications)

NONE TODAY



INSPECTIONS PERFORMED

None Performed Today

JOB SAFETY

(Note inspection, violations/actions taken)

All workers wore hard hats and steel toe boots while on the job.

REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

11-27-95  
Date

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
241

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

DATE Wednesday  
22 November 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 & Cool

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
50 %	50 %	50 %	50 %	50 %

TEMPERATURE	
MINIMUM	MAXIMUM
42°	68°

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
			1-3½ hrs	1-3½ hrs	

Canal RIVER STAGE	
FEET	TIME
1.60'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
3-24 hrs	16-133 hrs	19-152 hrs	38-309	0700 M	1800 M	M	M	M	M

NUMBER OF SHIFTS

1  2  3

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOWWALL; SELECTIVE DEMOLITION
- b. Barnes Electric. - RELOCATION OF TEMPORARY FEEDER LINE
- 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 E. Mono #34; Set forms for E. Monos #36 & #93; Placed concrete for E. Mono #93; Formed for slab between EB/L sta's 80+45 & 81+40; Repaired safety/silt fence; Patched tie-rod holes on E. Mono #34; Curing; Removed concrete caps from jobsite.
- b) Made a temporary splice in FL-340 this date at approx. EB/L Sta. 97+75.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03, 07, 08 & 20 Nov 95.  
50% of days lost due to adverse weather/wet ground on 21 & 22 Nov 95.

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

Progressive work was performed by B&K and Barnes Electric this date. However, work was hampered by very wet ground conditions from previous rainfall.

DATE SET FOR COMPLETION: 11 MAY 96

PERCENT PROJECT COMPLETE: 45.9%

PERCENT TIME ELAPSED: 73.0%

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.

TEMPORARY RELOCATION OF FEEDER LINES: No instructions issued.

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

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

REINFORCED CONCRETE FLOODWALL: Performed Pre-Placement Inspection on E. Mono #93 prior to placement of concrete (see attached LMN Form 1246). Witnessed sampling and testing of concrete being used this date (see attached Concrete Field Data Sheet for test results). Observed placement of concrete for E. Mono #93 this date. Noted that concrete was noted being allowed to drop more than 5' by use of trimmie chutes, concrete was placed in lifts of less than 18", and concrete is being well vibrated.

SELECTIVE DEMOLITION: Noted that contractor was hauling sections of concrete caps off of the jobsite site, from between WB/L Sta's 118+00 and 119+65.

TEMPORARY RELOCATIONS OF FEEDER LINES: Observed Barnes Electric making a temporary splice in the FL-340 Feeder Line at approx. EB/L Sta. 97+75, due to a failure of the feeder line at that location.

**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: Noted that Contractor is continuing to make necessary repairs to the safety/silt fence between EB/L Sta's 70+20 and 76+00.

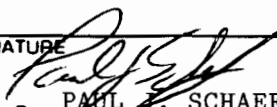

Contractor's Quality Control Report (submitted/~~not submitted~~) for this (date/~~period~~).

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

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
P. SCHAEFER	Civ. Engr., GS-07	3½ hrs.	QAR

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

Noted that ladder was properly secured to the I-Wall scaffolds.  
No safety infractions were noted this date.

INSPECTOR'S SIGNATURE  PAUL SCHAEFER	DATE 29 NOV 95	SUPERVISOR'S INITIALS 	DATE 11/30/95
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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

LIFT NO.

ELEVATION

DATE OF POUR

East 93

ONE

from 3.00 to 14.40

11-22-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	11-22-95	10:00	PJS	11/22/95	9:50
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	11-22-95	10:05	PJS	11/22/95	9:50
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	11-22	10:10	PJS	11/22/95	9:55
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmJ	11-22	10:15	PJS	11/22/95	10:00
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmg	11-22	10:15	PJS	11-22	10:00		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.85'	✓	"	"	✓	"	"		
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	Jmg	11-22	10:20	PJS	11-22	10:05		
G. SAFETY (LIST)	Jmg	11-22	10:20	PJS	11-22	10:05		
1. Eye Protection	✓	"	"	✓	"	"		
2. Ladder	✓	"	"	✓	"	"		
3. Scaffold	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	11-22	10:25	PJS	11-22	10:10		
Exp. Material	✓	"	"	✓	"	"		
FL 340 Anchors	✓	"	"	✓	"	"		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	11:15	1.5				
Conc. Bucket	1	1.0 cy.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				
J. REMARKS	SLUMP = 5" & 4 1/2" ; AIR ENTR. = 5.7% & 5.0% ; CONCRETE TEMPS = 68° & 69° ; AIR TEMPS = 70° & 72° ; 3 Test Cylinders (LA-106)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: Paul J. Schuy				
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: 11/22/95

REPORT NO.: 298

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 42 MIN 68 MAX

DUST: None LEVEE CONDITION: Damp CANAL GAUGE: (1.6) NOISE: Moderate

WORK PERFORMED/LOCATION

\* Still too wet for concrete trucks at Mirabeau to Filmore Reach, East Bank.  
 B&K Construction Company - Wrecked forms at East Monolith #34; patched tie-bolt holes at E. Mono. #34 and then covered this monolith with wet burlene. Completed forming East Monolith #36 (including top steel mat set by B&K) but could not pour concrete today due to wet roadway. Continued working on silt fence repair between East B Sta. 70+20 and 76+00, and installed one access gate at Mirabeau, East Bank. Also installed neoprene sleeve at FL340, approx. East B Sta. 95+00.  
 Placed concrete at East Monolith #93 today. Had much difficulty getting trucks down the levee due to wet soil. Hauled off existing concrete cap sections (previously demolished) between West B Sta. 119+65 and 118+00. Formed up stab. slab from East B Sta. 80+45 to 81+40 (Not poured yet).

BARNES ELECTRIC - Worked all day on the Temporary Splice of FL340 at East B Sta. 97+75 ±. No other work performed today.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approx.)	COMPANY	LOCATION/WORK DESCRIPTION
17	Unskilled	130	B&K Const.	Forming + placing concrete for
13	Skilled	100	"	I-Wall; Repairing silt fence;
2	Supt.	16	"	Installing neoprene sleeves at
1	Q.C. Rep	8	"	FL340; Repairing/replacing
				access gates; hauling off
				demolished concrete cap sections.
				(See Above)
3	Skilled	33	Barnes Elect.	Making Temporary Splice
2	Unskilled	22	"	at Feeder Line #340.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	Yes	5	3	—
Komatsu D37P Dozer	—	Yes	5	3	—
Kubota 151 Excavator	—	No	0	8	—
Case 580 Backhoe #1	—	Yes	3	5	—
Case 580 Backhoe #2	—	Yes	2	6	—
RAMEX Roller-Packer	—	No	0	8	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	Yes	5	3	—
Koehring 405 Crane	—	Yes	5	3	—
J.S.W. Excavator	—	Yes	3	5	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc.#2	—	Yes	4	4	—
6" diesel pump	—	No	0	8	—
Emv-300 Vib. Hammer	—	No	0	8	—
Bobcat/Concrete Breaker Rental	—	Yes	3	5	—

MATERIALS RECEIVED

Received 19 cubic yards of concrete from Lafarge Conc. Co. today, and placed all of this material in East I-Wall Monolith #93. Material was Mix Design #44-C, and copies of delivery tickets were furnished to the Project Inspector on site.

TESTS PERFORMED

(As required by plans/specifications)

B&K Construction performed concrete tests and inspection on Ready-Mix Concrete (Mix Design #44-C) delivered by Lafarge Concrete Company today. Results can be found on the attached Concrete Field Data Summary Sheet. No deficiencies in the material were noted today.

## INSPECTIONS PERFORMED

Checked formwork and embedded items on East I-wall Monolith #93 today prior to any concrete placement. Re-steel clearances were acceptable - 2" to 3" at all points. Water stop, expansion material, FL 340 anchor belts, and chamfer strips were all correctly installed in the form. No problems with alignment, plumbness, or elevation were found upon my inspection.

The crew working between Mirabeau and Filmore worked on the damaged area of Sitt fence/safety fence today, as well as the replacement of broken access gates. They plan to work on Friday 11-24-95 to try and complete this work to avoid any deficiencies that may be forthcoming.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked to make sure that no work was done until the electrical power was cut off at FL340 and FL432 today. I signed on both feeder lines at 7:30 AM, so that both lines would be de-energized throughout the day today.

## REMARKS

(Instructions received, miscellaneous remarks)

Barnes Electric worked on Temporary Splice at East B Sta. 97+75 ±, Repairing FL340 temporarily. The splice will remain a temporary one until the feeder line is placed in its permanent location.

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

11-27-95  
Date



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

DATE: 11-22-95

Pour Location East I-Wall Monolith #93

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C

Required Strength 3000 psi  
at 90 days

TICKET NO	TIME ARRVD	TIME CPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
291529	11:10	11:25	2.0°	20 Gal	5.0 <sup>x</sup>	68° 70°	5.7	3	11:20	7
291546	11:46	12:05	2.0°	15 Gal	4.25 <sup>x</sup>	69° 72°	5.0	-	11:55	7
291567	12:12	12:30	2.0°	10 Gal	4.0°	69° 72°	-	-	12:15	5

REMARKS: Test Cylinder Set #LA-106

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

240

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

DATE Sat. thru Tue.  
18 thru 21 November 1995

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

CONTRACT NUMBER  
DACW29-94-C-0079

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

WEATHER Partly Cloudy to  
Cloudy with Rain

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
100/0/0/50%	100/0/0/50%	100/0/0/50%	100/0/0/50%	100/0/0/50%

TEMPERATURE	
MINIMUM	MAXIMUM
48°	74°

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
0.75"	0730

NUMBER OF GOVERNMENT EMPLOYEES

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

Canal RIVER STAGE	
FEET 1.50'	TIME
to 1.80'	0800

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL	NUMBER OF SHIFTS			
3-35 hrs	15-136 hrs	17-150 hrs	35-321	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	

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. Gill's Crane Service, Inc. - CUTTING OFF EXISTING AZ-18 SHEET PILES
- c. \_\_\_\_\_

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

- a) Removed existing concrete caps from between EB/L Sta's 79+80 & 81+00; Wrecked forms from E. Mono #29; Set forms for E. Mono #31; Repaired safety/silt fence and gates on project; Rubbed surfaces of E. Monos #15 & #16 and patched tie-rod holes in E. Mono #29; Curing.
- b) Cut-off existing AZ-18 sheet piles between EB/L Sta's 96+00 & 96+70 (partially).

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03, 07, 08 & 20 Nov 95.  
50% of days lost due to adverse weather/wet ground on 21 Nov 95.

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

Progressive work was performed by B&K on 18 & 21 Nov 95, and progressive work was performed by Gill on 20 Nov 95. However, work was hampered by rain and wet ground conditions. See attached CQC Reports for details.

DATE SET FOR COMPLETION: 11 MAY 96

PERCENT PROJECT COMPLETE: 45.9%

PERCENT TIME ELAPSED: 72.9%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were performed on Tue., 21 Nov 95:

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 CQC ACTIVITIES**

The following Follow-Up QA Inspections were performed on Tue., 21 Nov 95:

REINFORCED CONCRETE FLOODWALL: Observed B&K removing forms from E. Mono #29. Checked and found no major surface defects. Observed B&K setting wall stem resteel mats and forms for E. Mono #31 this date. No Pre-Placement Inspection performed on E. Mono #31 this date, due to contractor not being finished with chamfer strips and other minor adjustments. Noted that finishers patched tie-rod holes with dry-pack mortar on E. Mono #29, and rubbed surfaces of E. Monos #15 & #16 this date. Noted that E. Monos #23, #25, #27, #28, #29, #30, #32, #34, #94, #95, #96 & #97 were all covered with wetted burlene blankets as required for curing.

SELECTIVE DEMOLITION: Noted that B&K had cut-off existing concrete caps from the existing sheet piles between EB/L Sta's 79+80 & 81+00, and removed concrete caps from jobsite. The existing sheet piles were cut-off at elev. +6.75' for temporary flood protection.

CUTTING OFF EXISTING AZ-18 SHEET PILES: Noted that contractor had partially cut-off the existing AZ-18 sheet piles between EB/L Sta's 96+00 & 96+70, at approx. elev. +5.25' as required for new floodwall construction. However, these piles remain in-place and will be removed at a later date.

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

NONE

**CONTROVERSIAL MATTERS IN DETAIL:**

NONE

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

NOTE: No QA Inspections were performed on Mon., 20 Nov 95. No QA Rep. on-site 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>
P. SCHAEFER	Civ. Engr., GS-07	7 hrs. (Tue)	QAR

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

Noted all personnel on-site wearing hard hats and safety footwear on Tue., 21 Nov 95.

INSPECTOR'S SIGNATURE

  
PAUL J. SCHAEFER

DATE

29 NOV 95

SUPERVISOR'S INITIALS



DATE

11/30/98



QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	yes	4	4	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	2	6	—
PTH 30 Ton Hyd. Crane	Rental	yes	4	4	—
RAMEX Roller-Packer	—	No	0	8	—
MKT Vibro Hammer V-5	Arrived Back	No	0	8	Repairs Complete
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	No	0	8	Being Repaired
Koehring 405 Crane	—	yes	4	4	—
J.S.W. Excavator	—	yes	2	6	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc.#2	—	yes	4	4	—
6" diesel pump	—	No	0	8	—
Emv-300 Vib. Hammer	—	No	0	8	—
Bobcat/Concrete Breaker	Rental	yes	6	2	—

MATERIALS RECEIVED

*None Received Today.*

TESTS PERFORMED

(As required by plans/specifications)

*None Performed Today*

INSPECTIONS PERFORMED

Met with Barnes Electric's Ron Lorio today to set up Temporary splice work for tomorrow morning. FL340 splice at East B Sta. 97+75 (approximate) was pulled apart due to construction activities, and will be repaired by Barnes Electric Company tomorrow. The cable, in it's Temporary Location, was too close to the MP-112 Sheets that exist in this reach. when MP-112 sheets were bent over, the cable was slightly deflected, causing the splice to fail. Had the cable (FL340) been relocated temporarily to rest against the Temp. Cofferdam sheets, this may not have happened.

Also inspected the access gates at Filmore Avenue. They were up and in working order, but needed to have "KEEP OUT" signs installed. This will be done by Monday Nov. 27<sup>th</sup>.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked the operator on the rented P&H 30 ton Hydraulic Crane today. After some familiarizing with controls and computer set-up, the operator (John Waits) was considered competent to run this machine safely.

REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

11-22-95  
Date

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

DATE: 11/20/95

REPORT NO.: 296

SKIES: cloudy- Rain

RAIN: 0.75" IN. TEMP.: 60 MIN 74 MAX

DUST: None

LEVEE CONDITION: Wet CANAL GAUGE: (1.8) NOISE: None

11-19-95 Sunday - No WORK PERFORMED.

WORK PERFORMED/LOCATION

11-20-95 Monday

- B+K Construction - No work performed due to wet soil and more rain falling. Moved in a rented P+H ton hydraulic crane for loading out concrete floodwall cap sections. Moved the Komatsu D37 dozer from West Bank to East Bank.

Gill's Crane Service - Used oxygen and acetylene torches to cut off existing AZ-18 sheet piles at elev. +5.25 from East B Sta. 96+70 to Sta. 96+00. These sheet piles were not cut completely, but rather left standing in place, to be removed at a later date and hauled off for scrap. No other work performed today.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
2	Unskilled	4	B+K Const.	Rain out - 7:00 AM
2	Skilled	4	"	Mobilized the P+H Hydraulic
2	Supt	6	"	Crane, and moved the Komatsu
1	Q.C. Rep	5	"	D-37 dozer to the East Bank.
				No OTHER WORK PERFORMED.
2	Skilled	12	Gill's Crane Service	Cut off existing AZ-18
				sheet piles for New I-Wall
				construction.

**QUALITY CONTROL REPORT  
EQUIPMENT**

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	No	0	8	—
Komatsu D37P Dozer	—	Yes	1	7	—
Kubota 151 Excavator	—	No	0	8	—
Case 580 Backhoe #1	—	No	0	8	—
Case 580 Backhoe #2	—	No	0	8	—
P+H	RENTAL	Yes	1	7	—
RAMEX Roller-Packer	—	No	0	8	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	No	0	8	—
Koehring 405 Crane	—	No	0	8	—
J.S.W. Excavator	—	No	↓	↓	—
Welding Machine	—	No			—
Compressor + Sandblaster	—	No			—
Komatsu 200 Exc.#2	—	No			—
6" diesel pump	—	No			—
EMV-300 Vib. Hammer	—	No			—
Bobcat/Concrete Breaker Rental	—	No			—

← REC'D TODAY

**MATERIALS RECEIVED**

Re-steel delivery scheduled for today was postponed until Friday due to wet soil on the level.

**TESTS PERFORMED**

(As required by plans/specifications)

None Today.



INSPECTIONS PERFORMED

INSPECTED THE Cutting off of A2-18 sheet piles on the East Bank today. Control elev's were set at elev +5.25, and lines were marked with Soapstone on each sheet pile at this grade. Each cutting was at elev. +5.25; to be incorporated into the new F-Wall at this elevation. These sheets were cut smoothly, with no variance in cut off elevation more than 0.10' plus or minus. Cut off pieces remain in place, and will be removed and hauled off site at a later date.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked equipment to see if it was secured for the day before leaving. Booms, blades, and buckets were lowered to the ground. Machines were parked on level ground within the construction easement with brakes locked (where applicable).

REMARKS

(Instructions received, miscellaneous remarks)

We are asking for 100% of today's production lost due to rain and wet soil. Tomorrow's production may also be affected due to wet soil.

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

11-21-95  
Date



QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	No	0	8	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	Yes	2	6	—
Case 580 Backhoe #1	—	Yes	2	6	—
Case 580 Backhoe #2	—	No	0	8	—
RAMEX ROLLER PACKER	—	No	0	8	—
MKT Vibro Hammer U-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	No	0	8	—
Koehring 405 Crane	—	Yes	5	3	—
J.S.W. Excavator	—	Yes	1	7	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc.#2	—	Yes	2	6	—
6" diesel Pump	—	No	0	8	—
EMU-300 Hammer	—	No	0	8	—
Bobcat / Cone Breaker	—	No	0	8	—

MATERIALS RECEIVED

None Today

TESTS PERFORMED

(As required by plans/specifications)

None Today

INSPECTIONS PERFORMED

Checked elevation of sheet pile cut off for temporary Flood Protection. Found existing sheets to be cut off at elev. +6.75 to elev. +7.25 on the East Bank between Sta. 73+00 and Sta. 81+00.

Disposal of concrete floodwall cap sections is being done in 3 ways. Some sections are being hauled to the Almonaster Landfill in New Orleans East. Some are being hauled to New Orleans Cement Products Storage yard for landfill, and some are being hauled to Barriere Construction's Concrete Crusher to be pulverized and used as recycled concrete.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked public streets for dirt or debris from construction activities. Laborers swept and shoveled up some debris at Mirabeau Avenue. No other significant debris found on any other streets.

REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

11-20-95  
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

239

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

DATE Friday  
17 November 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 & Cool

**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 50°	MAXIMUM 76°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

**NUMBER OF GOVERNMENT EMPLOYEES**

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 2-18½ hr	TOTAL 2-18½ hrs	LABOR
-------------	--------	--------	------------------------	--------------------	-------

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

**NUMBER OF SHIFTS**

1  2  3

SUPERVISORY 3-27½ hrs	SKILLED 16-154 hrs	LABORERS 19-180 hrs	TOTAL 38-361½	FROM 0700 M	TO 1800 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

**CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY**

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- b. 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 E. Monos #27, #32 & #94; Set forms & placed concrete for E. Monos #29 & #34; Began setting forms for E. Mono #93; Curing; Rubbing surfaces of E. Monos #13, #14, #95 & #96; Patched tie-rod holes in E. Monos #27, #32 & #94; Installed 1-cathodic jumper between E. Monos #91/#92; Welded #6 rebar to top of sheet piles for E. Mono #93; Relocating concrete caps
- b) Set & Tied bottom rebar for E. Monos #31, #34, #36 & #93, and top rebar for #29 & #34.

**Days of no work and reasons for same:**

100% of days lost due to adverse weather/wet ground on 02, 03, 07 & 08 Nov 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: 11 MAY 96

PERCENT PROJECT COMPLETE: 45.9%  
PERCENT TIME ELAPSED: 72.2%

**CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:**

Attended the following CQC Inspection Phases this date:

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

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

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

**REINFORCED CONCRETE FLOODWALL:** Performed Pre-Placement Inspections on E. Monos #29 & #34 this date prior to placement of concrete (see attached LMN Form 1246's). Witnessed sampling and testing of concrete used this date (see attached Concrete Field Data Sheet for test results). Rejected one load (9cy) of concrete this date, due to is have a slump of 7½" when arriving on the jobsite (contractor added no water). Witnessed placement of concrete this date for E. Monos #29 & #34. Noted that concrete is not being allowed to drop more than 5' by use of trimmie chutes, is not being placed in lifts over 18", and is being well vibrated. Observed finishers rubbing surfaces of E. Monos #13, #14, #95 & #96, and patching tie-rod holes in E. Monos #27, #32 & #94. Noted curing with wetted burlene blankets being performed on E. Monos #21, #23 #25, #26, #27, #28, #30, #32, #94, #95, #96 & #97. Checked installation of one cathodic protection jumper between E. Monos #91/#92 approx. 8" below I-Wall elev. of +3.00' and found it to be properly cadwelded and coated with epoxy resin as required. Observed placement of 4" stab slabs between EB/L Sta's 80+20 & 80+45 and 96+80 & 97+10.

(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)**

<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	9½ hrs.	QAR
P. SCHAEFER	Civ. Engr., GS-07	6½ 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 ladders to scaffolds properly secured to forms and extending approx. 3' above the scaffold landings.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

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

DATE

28 NOV 95

SUPERVISOR'S INITIALS

*up*

DATE

*11/28/95*

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

QAR# 239

DATE Fri. - 17 Nov 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

SELECTIVE DEMOLITION: Observed contractor continuing to relocated the previously removed concrete caps from the F/S to the P/S of new I-Wall Monoliths between WB/L Sta's 102+50 and 119+65 in preparation of removing them from the jobsite in the near future.

RESTEEL INSTALLATION: Checked installation of all resteel for the bottom sections of E. Monos #31, #34, #36 & #93, and the top sections of E. Monos #29 & #34. Found all required resteel properly installed, spaced and tied in accordance with approved shop drawing and steel schedules.

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





STRUCTU  
 REINFORCED CONCRETE FLOODWALL

JOB Lake Pontchartrain, LA. and Vicinity, London Ave Canal, Mirabeau Ave. to Leon C. Simon Blvd.				CONTRACT NO. DACW29-94-C-0079		
MONOLITH EAST # 29		LIFT NO. ONE		ELEVATION from 3.00' to 14.40'		DATE OF POUR 11-17-95
ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	11-17-95	11:15	ZAB	11-17-95	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	Jmd	11-17	11:15	ZAB	11-17-95	12:15
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	11-17	11:20	ZAB	11-17-95	12:15
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	11-17	11:25	ZAB	11-17-95	12:20
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.					
	NAME	DATE	TIME	NAME	DATE	TIME			
E. FORMWORK (CONT)									
ALIGNMENT	Jmd	11-17	11:25	ZOB	11-17-95	1220			
CLEANLINESS	✓	"	"	✓	✓	✓			
RELEASING AGENT	✓	"	"	✓	✓	✓			
TIES AND BOLTS	✓	"	"	✓	✓	✓			
LENGTH 28.87'	✓	"	"	✓	✓	✓			
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓			
HEIGHT 11.40'	✓	"	"	✓	✓	✓			
WATERSTOPS	✓	"	"	✓	✓	✓			
CHAMFER STRIPS	✓	"	"	✓	✓	✓			
F. WEATHER PROTECTION	Jmd	11-17	11:30	ZOB	11-17-95	1225			
G. SAFETY (LIST)	Jmd	11-17	11:30	ZOB	11-17-95	1225			
1. Scaffolds & Ladders	✓	"	"	✓	✓	✓			
2. Safety Glasses	✓	"	"	✓	✓	✓			
3. Rigging Check	✓	"	"	✓	✓	✓			
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	11-17	11:35	ZOB	11-17-95	1225			
EXPANION Mat'l	✓	"	"	✓	✓	✓			
FL 340 Anchors	✓	"	"	✓	✓	✓			
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS	
Komatsu 200	1	Excavator	1235	2					
Concrete Bucket	1	1.0 c.y.	"	"					
Concrete Vibrator	1	18' shaft	"	"					
Generator	1	Gasoline	"	"					
J. REMARKS	SLUMP = 5" ; AIR ENTR. = 5.5% ; CONCRETE TEMPS = 68° ; AIR TEMPS = 70° ; 3 Test Cylinders (LA-105) <b>FINAL CLEARANCE</b>								
CONTRACTOR REPRS:	Jerry M. Justice				C.O.E. REPRS:				James A. [Signature]
<b>INSTRUCTIONS</b>									
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.									

FORM CHECK OUT FOR

STRUCTURES  
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH EAST # 34

LIFT NO. ONE

ELEVATION from 3.00' to 14.40'

DATE OF POUR 11-17-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	11-17-95	3:00	ZAB	11-17-95	1530
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmg	11-17	3:00	ZAB	11-17-95	1530
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	11-17	3:05	ZAB	11-17-95	1535
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	11-17	3:05	ZAB	11-17-95	1540
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME <sup>1</sup>	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmd	11-17	3:10	ZOB	11-17-95	1540		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.82'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmd	11-17	3:15	ZOB	11-17-95	1545		
G. SAFETY (LIST)	Jmd	11-17	3:15	ZOB	11-17-95	1545		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Rigging	✓	"	"	✓	✓	✓		
3. Scaffold/Ladder	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	11-17	3:15	ZOB	11-17-95	1545		
FL340 Anchors	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1545	1.5				
Concrete Bucket	1	1.0 cu	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 68° ;							
	AIR TEMPS = 70° ; 3 Test Cylinders (LA-105)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice			C.O.E. REPRS: [Signature]				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

DATE: 11/17/95

REPORT NO.: 294

SKIES: clear

RAIN: 0" IN. TEMP.: 50 MIN 76 MAX

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

WORK PERFORMED/LOCATION

B&K Construction - Wrecked forms at East I-wall monoliths #94, #27, and #32. Set forms at East Monoliths #93, #29, and #34. Placed concrete at East Monolith #29 and #34 today (#93 Not poured yet). Installed one bond cable at East Mons. Joint #91-92, welded #6 bond bars at East Mons. #93, and cut holes at East Mono. #93 (for rebar installation). Formed and poured stabilization slab from East B Sta. 97+10 to 96+80, and from East B Sta. 80+20 to 80+45. Continued moving concrete cap sections over to the Land Side and breaking these into 20' pieces, to be hauled off later. Cement finishers completed patching and repair of concrete surfaces at East Monoliths #13, #14, #96, and #95 today. Also patched tie-bolt holes at East Monoliths #94, #27, + #32. Surveyor established offset lines and control elevations for I-Wall Construction at both East Bank reaches.

Arcadia Rebar - Tied bottom reinforcing steel at East I-wall Monoliths #31, #34, #36, and #93. Set top steel at East Monoliths #29 and #34. Pre-tied 2 more top mats on the levee for future use.

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approx.)	COMPANY	LOCATION/WORK DESCRIPTION
19	Unskilled	180	B&K Const.	Building I-wall; Placing stab. slab concrete; Demolishing existing floodwall cap. This cutting and welding work for I-wall construction; Survey and layout of work. (See Above for Locations)
13	Skilled	130	"	
2	Supt.	18	"	
1	Q.C. Rep.	9.5	"	
3	Skilled	24	Arcadia Rebar	Tying reinforcing steel for new I-wall Monoliths. (See Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	YES	4	4	—
Komatsu D37P Dozer	—	YES	4	4	—
Kubota 151 Excavator	—	YES	3	7	—
Case 580 Backhoe #1	—	YES	3	5	—
Case 580 Backhoe #2	—	YES	3	5	—
PAMEX Roller-Packer	—	NO	0	8	—
MKT Vibro Hammer	—	No	0	8	—
Fiat-Allis MotorGrader	—	YES	2	6	—
Mantis 3612 Crane	—	YES	6	2	—
Koehring 405 Crane	—	YES	6	4	—
J.S.W. Excavator	—	YES	2	8	—
Welding Machine	—	YES	2	6	—
Compressor + Sandblaster	—	NO	0	8	—
Komatsu 200 Exc.#2	—	YES	6	4	—
6" diesel pump	—	NO	0	8	—
EMV-300 Vib. Hammer	—	NO	0	8	—
Bobcat / Conc. Breaker	—	YES	6	2	—

MATERIALS RECEIVED

Received a total of 39 cubic yards of concrete from Lafarge Concrete Company today (Mix #44-C). 17 c.y. was placed in East I-Wall & Mono. #29; 17 c.y. was placed in East Mono. #34; 3 c.y. was placed in Stab. Slab from East B sta. 97+10 → 96+80; and 2 c.y. was placed in Stab. Slab from East C Sta. 80+20 to 80+45.

TESTS PERFORMED

(As required by plans/specifications)

B&K Construction personnel tested and inspected concrete delivered by Lafarge Conc. Co. today. Results of these tests can be found on the attached Concrete Field Data Summary sheet. Three test cylinders were molded, and will be delivered to the Government Lab on Monday.

Concr. 2 inspection reveal d a high slump on Lafarge's 2nd truck for East Mono. #29 today. The truck was sent back to Lafarge's batch plant due to a slump of 7 1/2" upon arrival. The material was replaced by Lafarge, and the slump on the replacement truck was 4". The Quality Control Manager (B. J. Eckhardt) for Lafarge was notified, and asked to follow up on this matter. The emphasis will be on prevention of future problems. All other tests were within allowable limits for slump, air entrainment, and concrete temperature.

Checked reinforcing steel clearances on East F-Wall monoliths #29 and #34 today prior to concrete placement. Clearance along the two sides of these forms was 2 1/2" to 3". The clearance at the ends had to be adjusted (found 1" clearance at South end and 4" at North end (approximately) on both of these walls. This problem was corrected by carpenter crew before placement of concrete began.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked rigging used to hoist F-wall forms today. Spreader beam, wire rope slings, and the connecting shackles and D-rings were all found in good condition.

Checked level soil for any signs of contamination by oil and/or fuel leaks or spills today. No soil contamination was found on the East or West Banks.

## REMARKS

(Instructions received, miscellaneous remarks)

Feeder Line 422 splice near Pump Sta. #4 separated, and was detected by the S. & W. B. today. B & K Construction did not cause this splice failure by any of our actions. The cold weather may have caused contraction of the steel cable, and no slack was available for movement, therefore the splice pulled apart. Barnes Elect. Co. was notified.

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

11-20-95  
Date





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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
238

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

DATE Thursday  
16 November 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 & Cool

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 44°	MAXIMUM 72°
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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 1-2 hrs	OFFICE	LAYOUT	INSPECTION 1-11 hrs	TOTAL 2-13 hrs	LABOR
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FEET 1.60'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 3-27½ hrs	SKILLED 16-148 hrs	LABORERS 19-180 hrs	TOTAL 38-355½	FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (OCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; 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) Wrecked forms from E. Monos #30 & #95; Set forms & placed concrete for E. Monos #32 & #94; Placed concrete for slab between EB/L Sta's 79+10 & 80+20; Removed existing concrete cap from between EB/L Sta's 79+20 & 79+80; Curing; Rubbing & patching on E. Monos #12, #13, #96 & #97; Cutting holes in sheet piles for resteel;
- b) Set & tied bottom resteel for E. Monos #29 & #94 and top resteel for E. Monos #32 & #94.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03, 07 & 08 Nov 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: 11 MAY 96

PERCENT PROJECT COMPLETE: 45.8%  
PERCENT TIME ELAPSED: 72.1%

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.

**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 E. Monos #32 & #94 this date prior to placement of concrete (see attached LMN Form 1246's). Witnessed sampling and testing of concrete used this date (see attached Concrete Field Data Sheet for test results). Witnessed placement & vibrating of concrete into forms for I-Walls this date. Noted that concrete is not being allowed to fall more than 5', is being placed in lifts of less than 18", and is being well vibrated (spare vibrator is on hand). Observed finishers rubbing surfaces of E. Monos #12, #13, #96 & #97, and patching tie-rod holes in E. Monos #30 & #95 after forms were removed. Noted that E. Monos #19, #21, #23, #24, #25, #26, #27, #28, #30, #95, #96, #97 & #98 were being cured with wetted burlene blankets. Burlene blankets being wet down 3 times daily. Checked and found area between EB/L Sta's 79+10 & 80+20 graded for stab slab, to be graded to accept +4.0" of concrete. Noted that #6 rebars were tack-welded to the tops of all sheet piles for E. Mono #94 for cathodic protection as required.

**SELECTIVE DEMOLITION:** Noted that B&K has removed the existing concrete cap from between EB/L Sta's 79+20 & 79+80 this date, by cutting off the existing sheet piles at elev. +6.75' for temporary flood protection. (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 M. Tassin and J. Justice this date:  
 1) All access gates shall be properly installed and in good working condition by 27 Nov 95;  
 2) All safety/silt fences shall be properly installed/repared in good condition by 27 Nov 95;  
 and 3) The required neoprene rubber casing sleeves w/stainless steel bands shall be properly installed at all locations where the feeder lines penetrate through the sheet pile cofferdams by 27 Nov 95 also. All of the above mentioned deficient items shall be corrected by 27 Nov 95 or a written Notice of Contract Deficiency would be issued. Messrs. Tassin and Justice stated that they would try and correct all deficient items by 27 Nov 95.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

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

**NOTE:** QAR, Z. Bryant also instructed Messrs. Tassin, Justice and Andrews of B&K to have adequate lighting equipment on hand if they plan to continue working on the jobsite after the sun set. At present time Contractor does not have sufficient lights on site to provide a safe working environment after the sun sets.


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

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

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
C. WAGNER	Civ. Engr., GS-11	2 hrs.		PE
Z. BRYANT	Const. Insp., GS-07	10 hrs.		QAR

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

See "NOTE" above for safety infraction noted and instruction issued this date.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 28 NOV 95	SUPERVISOR'S INITIALS gw	DATE 11/29/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 238

DATE Thu. - 16 Nov 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

SELECTIVE DEMOLITION: Noted that contractor hauled off of jobsite the two sections of concrete caps removed from existing wall between EB/L Sta's 79+20 & 79+80. Noted B&K moving previously cut-off concrete caps from the floodside of new I-Wall to the protected side of new I-Walls between WB/L Sta's 102+50 & 119+65 and breaking them into approx. 20' sections so that they can be hauled off of the jobsite in the near future.

RESTEEL INSTALLATION: Checked installation of all required resteel for the bottom sections of E. Monos #29 & #94, and for the top (wall stem) sections of E. Monos #32 & #93. Found all resteel properly set, spaced and tied in accordance with approved shop drawing and steel schedules.

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

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE

  
ZANE D. BRYANT, JR.  
Inspector's Signature



FC CHECK OUT FOR  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 East # 94 LIFT NO. ONE ELEVATION from 2.50 to 14.40 DATE OF POUR 11-16-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	11-16	2:10	ZJB	11-16-95	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	11-16	2:10	ZJB	11-16-95	1400
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	11-16	2:15	ZJB	11-16-95	1400
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	11-16	2:20	ZJB	11-16-95	1405
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmg	11-16	2:20	ZAB	11-16-95	1405
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.40'	✓	"	"	✓	✓	✓
WIDTH 2.25'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.90'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmg	11-14	2:25	ZAB	11-16-95	1410
G. SAFETY (LIST)	Jmg	11-14	2:25	ZAB	11-16-95	1410
1. Eye Protection	✓	"	"	✓	✓	✓
2. Rigging	✓	"	"	✓	✓	✓
3. Ladder/Scaffold	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	11-14	2:25	ZAB	11-16-95	1415
Exp. Material	"	"	"	✓	✓	✓
FL340 Anchors	"	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	3612	1550	1.5				
Concrete Bucket	1	1 c.y.	"	1.5				
Concrete Vibrator	1	18' shaft	"	1.5				
Generator	1	Gasoline	"	1.5				

J. REMARKS  
 SLUMP = ; AIR ENTR. = ; CONCRETE TEMPS = ;  
 AIR TEMPS = ; 3 Test Cylinders (LA-104)  
**FINAL CLEARANCE**

CONTRACTOR REPRS: *Jerry M. Justice* C.O.E. REPRS: *Janet A. 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  
East 32

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

11-16-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	11-16	2:35	ZAB	11-16-95	1440
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	11-16	2:35	ZAB	11-16-95	1440
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	11-16	2:40	ZAB	11-16-95	1445
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED "	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	11-16	2:45	ZAB	11-16-95	1450
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	11-16	2:45	ZAB	11-16-95	1450
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.88'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	11-16	2:50	ZAB	11-16-95	1455
G. SAFETY (LIST)	JmJ	11-16	2:50	ZAB	11-16-95	1455
1. Eye Protection	✓	"	"	✓	✓	✓
2. Ladder	✓	"	"	✓	✓	✓
3. Scaffold	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	11-16	2:50	ZAB	11-16-95	1455
FL340 Anchors	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1525	1.5				
Concrete Bucket	1	1 c.y.	✓	1.5				
Concrete Vibrator	1	18' shaft	✓	1.5				
Generator	1	Gasoline	✓	1.5				

J. REMARKS  
 SLUMP = ; AIR ENTR. = ; CONCRETE TEMPS = ;  
 AIR TEMPS = ; 3 Test Cylinders (LA-104)  
**FINAL CLEARANCE**

CONTRACTOR REPRS: *Jerry M. Justice* C.O.E. REPRS: *Zenobia Bryant*

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



# QUALITY ASSURANCE REPORT SUPPLEMENT

DATE 11-10-75

QA Inspections Performed & Results: Observed finishers rubbing & repairing previously placed T-walls; filling air holes & voids with sand cement mixture. Walls being covered & wet for curing purposes. Observed concrete placement for mono #32. Trammers being used to limit drop & concrete being vibrated for consolidation purposes. Observed temporary sheet piling being cut-off @ 6.75' for temp. flood protection.

Instructions to COC/Remarks: Reiterated to Supt. Mike Tasson & CWC Rep Jerry Justice that gates, safety & silt fence must be repaired & re-installed. Date of Nov. 27 was given to correct problems.

Chris Wagner Proj Engr  
Name Title

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

DATE: 11/16/95

REPORT NO.: 293

SKIES: Clear

RAIN: 0"

IN. TEMP.: 44 MIN 72 MAX

DUST: Minimal

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

WORK PERFORMED/LOCATION

- ① B+K Construction - Wrecked I-Wall forms at East Monoliths #30 and #95 today. Patched tie-bolt holes and covered these walls with burlap. Set forms and placed concrete at East Monoliths #32 and #94 today. Also formed up and placed concrete at stabilization slab, East B station 79+10 to sta. 80+20. Cut holes for rebar and welded #6 bond bar on top of sheet piles at East Monolith #94. Demolished existing floodwall concrete cap from East B Sta. 79+20 to sta. 79+80, and hauled broken sections off the job. Work continued on the West Bank, between B Sta. 119+65 and 102+20, moving demolished concrete floodwall cap sections over to the Land Side of new I-Wall, and then breaking these into manageable pieces (to be hauled off beginning Monday 11-20-95). Holes were cut for rebar at East Monolith #35; this completes all cutting, welding, and bond cable installation for this reach of floodwall. Cement finishers completed patching and repair work on East Monoliths #97, half of #96; #12, and half of #13 today.
- ② Arcadia Rebar - Tied bottom re-steel at East Monoliths #29 and #94, then set top steel at #32 and #94 (East Bank). Pre-tied two more re-steel mats on the levee for future placement.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approx.)	COMPANY	LOCATION/WORK DESCRIPTION
19	Unskilled	180	B+K Const.	Building I-Wall; Demolishing existing floodwall; miscellaneous cutting + welding for I-Wall; Finishing concrete surfaces; Installing bond cable; Laying out I-Wall lines and grades. (See Above)
13	Skilled	130	"	
2	Supt.	18	"	
1	Q.C. Rep	9.5	"	
3	Skilled	18	Arcadia Rebar	Tying reinforcing steel for new I-Wall (See Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	3	5	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
BAMEX Roller-Packer	—	No	0	8	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	yes	1	7	—
Mantis 3612 Crane	—	yes	7	3	—
Koehring 405 Crane	—	yes	6	4	—
J.S.W. Excavator	—	yes	2	6	—
Welding Machine	—	yes	2	6	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc.#2	—	yes	6	4	—
6" diesel pump	—	No	0	8	—
EMV-300 Vib. Hammer	—	No	0	8	—
Bobcat/Concrete Breaker	—	yes	6	2	—

MATERIALS RECEIVED

Received 17 cubic yards of concrete for East I-Wall Monolith #32, 19 cubic yards for East Monolith #94, and 8 cubic yards for stabilization slab, East @ 79+10 to 80+20. All concrete received today was Lafarge Concrete Company's Mix Design #44-C.

TESTS PERFORMED

(As required by plans/specifications)

B+k Construction tested and inspected ready-mix concrete from Lafarge Concrete Company today. Test results can be found on the attached Concrete Field Data Summary sheet. Three test cylinders were molded (as usual), to be delivered to the Government Lab tomorrow.

Inspection concrete finishing work being done at East I-Wall Monoliths # 97 and # 12 today. All holes and honeycomb areas 1/2" in diameter or larger were chipped out and then patched smooth. No large voids or holes were present on these walls before finishing work started (tie-bolt holes had been plugged previously). Fractured fins were repaired as needed and all form joint lines were chipped or rubbed flat, and then smoothed over with mortar. The material used to fill holes was dry-packed mortar, and was comprised of a blend of grey and white Portland Cement to match the color of the concrete wall. Metal tools were not used to finish these exposed surfaces. Bonding agent was applied to holes and other areas being patched. The quality of workmanship was acceptable in my opinion.

Also checked the Temporary Flood Protection at East B Sta. 70+20 to 78+00. Existing sheets were cut off at elevation +6.75 to +7.00 to provide flood protection. No gaps or breaks in protection were observed.

## JOB SAFETY

(Note inspection, violations/actions taken)

Installed a new safety latch on headache ball hook on Koehring 405 Crane today, replacing the original latch that was broken.

Also replaced rigging used to hoist concrete bucket at Mirabeau → Filmore Reach of floodwall work. The swivel hook was damaged so that a new safety latch could not be installed. The old hook will be discarded, and not used again.

## REMARKS

(Instructions received, miscellaneous remarks)

Project Inspector Zone Bryant instructed us to fix and/or install working access gates and adjoining safety fences at all levee entrances by Nov 27, 1995; also to install neoprene sleeves at FL340 and FL422 split casing penetrations through Temp. Flood Protection Sheets by Nov. 27, 1995; also to purchase and set up adequate lighting in work areas when ever work continues after dusk. Written deficiencies may be forthcoming if not corrected by Nov. 27, 1995.

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

Jerry Justice  
Authorized O C Representative

11-17-95  
Date

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

DATE: 11-16-95

Pour Location East I-Wall Monolith # 94 and #32; and  
East B Stabilization Slab 79+10 → 80+20.

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.
290494	3:30	3:55	3.0°	5 Gal	3.75 <sup>x</sup>	70° 70°	6.0	3	3:45	9
290518	4:00	4:45	4.0°	-0-	4.0°	69° 70°	-	-	4:05	8
290509	3:50	4:15	3.0°	10 Gal	4.0 <sup>x</sup>	68° 70°	5.6	-	4:00	9
290544	5:05	5:45	3.0°	10 Gal	4.0°	69° 70°	-	-	5:15	10
290546	5:00	5:35	4.0°	-0-	4.0°	69° 70°	-	-	5:00	8

REMARKS: Test Cylinder Set # LA-104

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  
237

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

DATE  
Wednesday  
15 November 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 & Cool

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 42°	MAXIMUM 68°
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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 2-3 hrs	OFFICE	LAYOUT	INSPECTION 1-8½ hrs	TOTAL 3-11½ hrs	LABOR
------------------------	--------	--------	------------------------	--------------------	-------

FEET 1.70'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 3-28 hrs	SKILLED 17-145 hrs	LABORERS 17-155 hrs	TOTAL 37-328	FROM 0700 M	TO 1730 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - REINFORCED CONCRETE FLOODWALL; SELECTIVE DEMOLITION
- b. 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 from from E. Monos #25, #28 & #96; Set for & placed concrete for E. Monos #27, #30 & #95; Patched holes in E. Monos #25, #28 & #96 and rubbed F/S surfaces of E. Monos #09, #10, #11, #97 & #98; Removed existing concrete caps from between EB/L Sta's 78+80 & 79+20; Curing; Placed stab slabs between EB/L Sta's 78+90 & 79+10.
- b) Set bottom resteel for E. Monos #27, #32 & #95, and top resteel for E. Monos #27, #30 & #95.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03, 07 & 08 Nov 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: 11 MAY 96

PERCENT PROJECT COMPLETE: 45.6%  
PERCENT TIME ELAPSED: 71.9%

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.

**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 E. Monos #27, #30 & #95 prior to placement of concrete (see attached LMN Form 1246's). Witnessed sampling and testing of concrete used this date (see attached Concrete Field Data Sheet for test results). Observed placement of concrete into forms for the above mentioned I-Wall Monoliths. Noted that concrete was not allowed to drop more than 5' by use of trimmie chutes, concrete is being placed in lifts of less than 18", and is being well vibrated. Noted that finishers plugged all tie-rod holes in surfaces of E. Monos #25, #28 & #96 after forms were removed then covered these monos with wet burlene for curing. Finishers also rubbed F/S surfaces of E. Monos #09, #10, #11, #97 & #98. Checked and found area graded for stab slab between EB/L Sta's 78+90 & 79+10 to be graded to accept +4.0" of concrete. Noted B&K cut 2" hole in sheet piles for resteel installation into E. Monos #31 thru #34, hole were cut approx. 2½" above stab slab elevation. Checked surfaces of E. Monos #25, #28 & #96 after forms were removed and noted no major surface defects. Noted curing being performed on E. Monos #19, #21, #23, #24, #25, #26, #28, #96, #97, & #98 with wetted burlene blankets.

(CONTINUED ON ATTACHED QA SUPPLEMENT REPORT)

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

Contractor (J. Justice) was reminded by PE, C. Wagner that the silt fence between EB/L Sta's 70+20 and 76+00 needs to be repaired ASAP, and that they (B&K) shall not begin any placement of concrete for I-Wall Monoliths after 1600 hrs. due to their not being able to complete the placement by 1800 hrs. as required (it presently gets dark at approx. 1715 hrs.). Mr. Justice stated that he was aware of these requirement and would concur with them.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

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

NOTE: To-Date Contractor has approx. 210 l.f. of temporary flood protection below the elev. of +11.5' (300' maximum), between EB/L Sta's 77+95 to 78+24, 78+53 to 79+20, and 96+56 to 97+70.

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

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

**GOVERNMENT PERSONNEL ON SITE**

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
D. DUHON	Suprv. Civ. Engr., GS-12	1 hr.	SCE
C. WAGNER	Civ. Engr., GS-11	2 hrs.	PE
Z. BRYANT	Const. Insp., GS-07	7½ 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 and fire extinguisher fully charged on the Komatsu D37P dozer this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

*[Signature]*  
LANE D. BRYANT, JR.

DATE

16 NOV 95

SUPERVISOR'S INITIALS

*[Initials]*

DATE

11/17/95

11/21

QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 237

DATE Wed. - 15 Nov 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

SELECTIVE DEMOLITION: Noted that contractor removed the existing concrete cap by cutting the existing sheet piles at elev. +6.75', between EB/L Sta's 78+80 and 79+20, and hauled the concrete caps off of the jobsite as required. Existing sheet piles are being cut off at elev. +6.75' for temporary flood protection in this area.

RESTEEL INSTALLATION: Observed rod-busters from Arcadia setting and tying all required resteel for the bottom sections of E. Monos #27, #32 & #95, and for the wall stem sections of E. Monos #27, #30 & #95. All resteel was properly set, spaced 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

  
LANE D. BRYANT, JR.  
Inspector's Signature





## QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Checked rebar & forms for mono # 30. Rebar for top horizontal bars lacked the 2" clearance required; at which time the steel was moved & then rebar checked. Chamber step on top also had to be moved to its correct elevation.

Observed concrete placement for mono # 30. Concrete was placed in layers & dropped less than 5' with use of tremmies. Concrete was then well vibrated for consolidation.

Instructions to COC/Remarks: Reminded COC rep Jerry Justice that safety & silt fence near Mirabau Ave needs fixing & that concrete placement shall not begin after 4:00 p.m. He agreed with these requirements.

Chris J. Wagner Proj Engr  
Name Title

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

DATE: 11/15/95

REPORT NO.: 292

SKIES: Clear

RAIN: 0" IN.

TEMP.: 42 MIN 68 MAX

DUST: Minimal

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

WORK PERFORMED/LOCATION

B&K Construction - Wrecked forms at East Monoliths #96, #25, and #28 today. Patched tie-bolt holes at same Monoliths, and covered these walls with burlap blankets. Set forms and poured concrete at East Monoliths #27, #30, and #95 today. Cut holes for rebar in sheet piles at East Monoliths #31, #32, #33, and #34; also at East Mono. #94. Demolished existing floodwall to East B Sta. 79+20, and hauled the concrete cap sections off the jobsite. Formed and poured stabilization slab from East B Sta. 78+90 to 79+10. Cement finishers completed patching and repairing East Monoliths #9, #10, and #11; also East Mono. #98 and half of #97. Began moving demolished concrete cap sections over the new I-Wall on the West Bank between sta. 119+65 and 102+20, to be broken up and hauled off the jobsite later.

Arcadia Rebar - Tied bottom reinforcing steel at East Mono's #95, #32, and #27. Set top steel at East Mono's #27, #30, and #95. Pre-tied 2 more re-steel mats for future placement in I-Wall stem sections.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approx.)	COMPANY	LOCATION/WORK DESCRIPTION
17	Unskilled	155	B&K Const.	Building new floodwall;
13	Skilled	115	"	Demolishing existing floodwall;
2	Supt.	18	"	Finishing concrete surfaces;
1	Q.C. Rep.	10	"	Misc. cutting of sheet piles and incidental work. (See Above)
4	Skilled	30	Arcadia Rebar	Tying Reinforcing steel for new I-Wall. (See Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	yes	3	5	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
RAMEX Roller-Packer	—	No	0	8	—
MKT Vibro Hammer U-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	6	4	—
Koehring 405 Crane	—	yes	6	4	—
J.S.W. Excavator	—	yes	2	6	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	yes	6	4	—
6" diesel pump	—	No	0	8	—
Emv-300 Vib. Hammer	—	No	0	8	yes
Bobcat / Concrete Breaker	—	yes	3	5	—

MATERIALS RECEIVED

Received 34 cubic yards of concrete (17 yards for each wall) for East Monoliths # 27 and #30, and 20 cubic yards of concrete for East Monolith # 95. All material was Lafarge's Mix Design #44-C, and the delivery tickets were furnished to Project Inspector Zane Bryant. Batch weights and batch information was provided on these tickets.

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction performed concrete testing and inspection on Ready-mix concrete delivered by Lafarge Concrete Company today. Results of these tests are found on the attached Concrete Field Data Summary Sheet. Three test cylinders were molded from today's material, to be delivered to the Government Lab Friday.

## INSPECTIONS PERFORMED

Inspected East E-W. Monolith #30, and found the Land Side form to be low approx. 0.05'. Carpenters raised this form, shimmed it up, and changed the top grade chamfer Strip to the correct elevation (+14.42). Re-steel clearance on this form had to be corrected on the bulkhead ends. Final position of the Re-steel showed 2" clearance on each end of this form. Clearance at all other points was correct.

Checked the wet curing of East I-Wall Monoliths today. East Monoliths #19, #21, #23, #24, #25, #26, and #28 were covered with burlene and wet upon my inspection. No gaps were observed in the burlene blanket coverage. A laborer was assigned to full time duty on wetting burlene and tending to Wet Curing of completed I-Wall Monoliths.

I requested concrete test cylinder data from the Corps of Engineers' MR Chris Wagner today. I would like to know if any problems exist with concrete strength as soon as the Government knows.

## JOB SAFETY

(Note inspection, violations/actions taken)

Found safety latch on headache ball on Koehring 405 Crane broken today. A new latch was ordered today and will be installed by Friday morning. The safety latch is still functional, but needs replacing.

Also checked the scaffold at East Monolith #95, and found some loose concrete and debris on this scaffold. Laborers cleaned all this debris off prior to concrete placement.

## REMARKS

(Instructions received, miscellaneous remarks)

I contacted B.J. Eckholdt (Quality Control Manager for Lafarge Concrete Company) and requested records of scale calibrations, and aggregate source and gradation Reports. Mr. Eckholdt will furnish these reports and records to the main B&K Construction Office in Mandeville by next week.

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

Jerry Justice  
Authorized Q C Representative

11-16-95  
Date

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

DATE: 11-15-95

Pour Location East I-Wall Monolith #27 #30 and #95,  
and East Bank Stabilization Slab, Sta. 78+90 to

Supplier - LAFARGE CONCRETE COMPANY Sta. 79+10.

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.
290000	2:05	2:35	4.0°	-0-	4.0 <sup>x</sup>	68° 67°	5.7	3	2:20	9
290031	2:42	3:15	3.0°	5Gal	3.5°	67° 67°	-	-	3:00	9
290065	3:45	4:48	4.0°	-0-	4.0°	65° 67°	-	-	3:50	9
290079	5:00	5:30	3.0°	5Gal	4.0°	66° 66°	-	-	5:05	7
290068	3:32	3:48	4.0°	-0-	4.0 <sup>x</sup>	65° 67°	5.2	-	3:40	10
290098	4:40	5:15	2.5°	15Gal	4.0°	66° 66°	-	-	4:45	10

REMARKS: Test Cylinder Set #LA-103

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

TECHNICIAN:  
Steve Thome

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

MONOLITH East# 27 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 11-15-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	11-15	12:50	ZJB	11-15-95	1300
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmj	11-15	12:50	ZJB	11-15-95	1300
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	11-15	12:55	ZJB	11-15-95	1300
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmj	11-15	1:00	ZJB	11-15-95	1305
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	11-15	1:00	ZAB	11-15-95	1305
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.87'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	11-15	1:05	ZAB	11-15-95	1310
G. SAFETY (LIST)	JmJ	11-15	1:05	ZAB	11-15-95	1310
1. Ladder	✓	"	"	✓	✓	✓
2. Scaffold	✓	"	"	✓	✓	✓
3. Eye Protection	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	11-15	1:10	ZAB	11-15-95	1310
Expansion Material	✓	"	"	✓	✓	✓
FL340 Anchors	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	2:05	1.25				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Baseline	"	"				

J. REMARKS SLUMP = 4" ; AIR ENTR. = 5.7% ; CONCRETE TEMPS = 68° ;  
 AIR TEMPS = 67° ; 3 Test Cylinders (LA-103)  
 FINAL CLEARANCE

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



FC CHECK OUT FOR  STRUCTUP  REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH East # 95

LIFT NO. ONE

ELEVATION from 250 to 1440

DATE OF POUR 11-15-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	11-15	2:10	ZAB	11-15-95	1450
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmg	11-15	2:10	ZAB	11-15-95	1450
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	11-15	2:15	ZAB	11-15-95	1455
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	11-15	2:20	ZAB	11-15-95	1500
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	11-15	2:20	ZAB	11-15-95	1500
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.35'	✓	"	"	✓	✓	✓
WIDTH 2.25'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.90'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	11-15	2:25	ZAB	11-15-95	1505
G. SAFETY (LIST)	JmJ	11-15	2:25	ZAB	11-15-95	1505
1. Eye Protection	✓	"	"	✓	✓	✓
2. Ladder	✓	"	"	✓	✓	✓
3. Scaffold	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	11-15	2:30	ZAB	11-15-95	1505
Exp. Material	✓	"	"	✓	✓	✓
FL 340 Anchors	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	3612	3:30	1.75				
Concrete Bucket	1	1.0 cu	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				

J. REMARKS SLUMP = 4" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 65° ;  
 AIR TEMPS = 66° ; 3 Test Cylinders (LA-103)

CONTRACTOR REPRS: Jerry M. Justis C.O.E. REPRS: Zachary Bryant

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

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 East 30

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 11-15-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	11-15	3:10	CTW	11-15-95	1545
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	11-15	3:10	CTW	11-15-95	1545
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	11-15	3:15	CTW	11-15-95	1550
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	11-15	3:20	CTW	11-15-95	1555
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	11-15	3:20	CJW	11-15-95	1555		
CLEANLINESS	/	"	"	/	✓	✓		
RELEASING AGENT	/	"	"	/	✓	✓		
TIES AND BOLTS	/	"	"	/	✓	✓		
LENGTH 28.87'	/	"	"	/	✓	✓		
WIDTH 1.75'-1.00'	/	"	"	/	✓	✓		
HEIGHT 11.40'	/	"	"	/	✓	✓		
WATERSTOPS	/	"	"	/	✓	✓		
CHAMFER STRIPS	/	"	"	/	✓	✓		
F. WEATHER PROTECTION	Jmj	11-15	3:25	CJW	11-15-95	1600		
G. SAFETY (LIST)	Jmj	11-15	3:25	CJW	11-15-95	1600		
1. Eye Protection	/	"	"	/	✓	✓		
2. Ladder	/	"	"	/	✓	✓		
3. Scaffold	/	"	"	/	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	11-15	3:30	CJW	11-15-95	1600		
FL340 Anchors	/	"	"	/	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	4:15	1.25				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 65° ; AIR TEMPS = 66° ; 3 Test Cylinders (LA-103) <b>FINAL CLEARANCE</b>							
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: [Signature] CHRIS WAGNER				
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
236

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

DATE Tuesday  
14 November 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 & Cool

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 44°	MAXIMUM 66°

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
-------------	--------	--------	------------------------	-------------------	-------

Canal	RIVER STAGE
FEET 1.70'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 3-26 hrs	SKILLED 16-133 hrs	LABORERS 15-130 hrs	TOTAL 34-289
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NUMBER OF SHIFTS

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; DEMOLITION; STRUCTURAL BACKFILL
- b. Arcadia Rebar, Inc. - RESTEEL INSTALLATION
- c. \_\_\_\_\_

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

a) Set forms & placed concrete for E. Monos #25, #28 & #96; Wrecked forms from E. Monos #23 & #97; Patched tie-rod hole in E. Monos #23 & #97; Curing; Excavated & formed for stab slab between EB/L Sta's 78+90 & 79+50 and 96+50 & 97+10; Con't bridge demolition; Dressed P/S levee embankment between EB/L Sta's 102+65 & 119+05; Removed existing concrete caps EB/L 77+80 to 78+80. b) Set bottom resteel for E. Monos #27, #30 & #96, and top resteel for E, Monos 28 & 96

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03, 07 & 08 Nov 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 and Arcadia. See attached CQC Report for details.

DATE SET FOR COMPLETION: 11 MAY 96 PERCENT PROJECT COMPLETE: 45.2%  
PERCENT TIME ELAPSED: 71.8%

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.
  - PEDESTRIAN BRIDGE DEMOLITION: No instructions issued.
  - SELECTIVE DEMOLITION: No instructions issued.
  - STRUCTURAL BACKFILL: No instructions issued.
  - EROSION CONTROL: See "Verbal Instructions" on back of this report.

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

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

REINFORCED CONCRETE FLOODWALL: Performed Pre-Placement Inspections on E. Monos #25, #28 & #96 prior to placement of concrete this date. Witnessed sampling and testing of concrete used this date (see attached Concrete Field Data Sheet for test results). Observed placement of concrete this date for E. Monos #25, #28 & #96. Noted concrete not being allowed to drop more than 5', concrete is being placed in lifts of less than 18", and concrete is being wall vibrated. Noted finishers plugged tie-rod holes in E. Monos #23 & #97 this date after forms were removed. Noted that E. Monos #19, #21, #22, #23, #24, #26, #97, #98 & #99 were covered with wetted burlene for curing as required. Observed finishers rubbing P/S surfaces of E. Monos #12 #13, #14 & #97 this date. Checked and found areas formed for stab slabs between EB/L Sta's 78+90 & 79+50 and 96+50 & 97+10, were graded to accept 4" of concrete.

SELECTIVE DEMOLITION: Observed contractor cutting off existing sheet piles at approx. elev. +6.75, and removing the existing concrete caps from between EB/L Sta's 77+80 & 78+80. These concrete caps were then removed from the jobsite as required.

BRIDGE DEMOLITION: Contractor con't removing decking planks from the pedestrian bridge at Filmore Ave.

(CONTINUED ON ATTACHED QA SUPPLEMENT REPORT)

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

QAR, Z. Bryant issued the following verbal instructions to J. Justice this date: 1) Repair or replace damaged silt fence on P/S of east levee between EB/L Sta's 70+20 and 76+00 by 27 Nov 95, or a written Notice of Contract Deficiency would be issued; and 2) Concrete is not to be placed into I-Wall Forms until COE Rep. as signed the "Final Clearance" portion of the Pre-Placement Inspection Form (LMN Form 1246). Mr. Justice 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/~~XXXXXXXXXX~~) for this (date/~~XXXX~~).



**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

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

Checked and found that contractor has replaced the safety latch on the hook being used to hoist the concrete bucket this date.

Checked and found all cutting torches being used this date, to have proper installed anti-flow back check valves as required.

INSPECTOR'S SIGNATURE  ZANE D. BRYANT, JR.	DATE 15 NOV 95	SUPERVISOR'S INITIALS 	DATE 11/14/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 236

DATE Tue. - 14 Nov 95

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

STRUCTURAL BACKFILL: Observed contractor using 1-D37P dozer to final dress new levee sections on the east levee between EB/L Sta's 102+65 and 119+05 (P/S of floodwall).

RESTEEL INSTALLATION: Observed Arcadia setting and tying all required bottom resteel for E. Monos #27, #30 & #96, and the wall stem resteel for E. Monos #28 & #96. All resteel set, spaced and tied in accordance with approved shop drawings.

EROSION CONTROL: Checked and found that the silt fence between EB/L Sta's 70+20 and 76+00 was in very bad condition and in need of repair or replacement. Contractor was informed to repair or replace this section of silt fence by 27 Nov 95.

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

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

No additional instructions issued this date.

REMARKS:

NONE

  
ZANE D. BRYANT, JR.

Inspector's Signature





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

DATE: 11/14/95

REPORT NO.: 291

SKIES: clear

RAIN: 0"

IN. TEMP.: 44 MIN 66 MAX

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

WORK PERFORMED/LOCATION

- ① B+K Construction - Wrecked forms at East Monoliths #97 and #23 today. Set forms at East Monoliths #96, #25, and #28; then placed concrete at E. Mono's #25, #28, and #96 today. Demolished existing concrete cap from East B Sta. 77+80 to sta. 78+80, and hauled off these broken concrete sections to landfill. Cement finishers patched tie-bolt holes at East Monoliths #97 and #23. Covered these walls with burlene and wet them down throughout the day. Worked on final dressing of levee embankment from East B Sta. 102+05 to Sta. 119+05. Continued Pedestrian Bridge demolition at Filmore Avenue today. B+K Construction had to set and tie top re-steel mat at East Monolith #25 in the absence of Arcadia Rebar. Carpenters set stabilization slab forms from East B Sta. 78+90 to station 79+50. Also performed structural excavation and set stabilization slab forms from East B Sta. 97+10 to Sta 96+50. (Structural excavation being done simultaneously with slab work.)
- ② Arcadia Rebar - Tied bottom re-steel at East Mono's #96, #30, and #27. Set top steel mats at East Mono's #96 and #28, then pre-tied one more mat for future placement in I-wall tops.

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approx.)	COMPANY	LOCATION/WORK DESCRIPTION
15	Unskilled	130	B+K Const.	Building new I-wall;
13	Skilled	115	"	Demolishing Existing Floodwall;
2	Supt.	18	"	Establishing Temp. Flood Protection;
1	Q.C. Rep.	8	"	Finishing concrete surfaces;
				Dressing embankment areas;
				Forming stab. slab; Performing struct. Excavation (See Above)
3	Skilled	18	Arcadia Rebar	Tying reinforcing steel for new I-wall Monoliths. (See Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	yes	4	4	—
Kubota 151 Excavator	—	yes	3	5	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
RAMEX Roller-Packer	—	No	0	8	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	yes	1	7	—
Mantis 3612 Crane	—	yes	8	2	—
Koehring 405 Crane	—	yes	8	2	—
J.S.W. Excavator	—	yes	2	6	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc.#2	—	yes	6	4	—
6" diesel pump	—	No	0	8	—
Emu-300 Vib. Hammer	—	No	0	8	—
Bobcat/Conc. Breaker	—	yes	2	6	—

MATERIALS RECEIVED

Received 17 cubic yards of concrete for East Moni's #25 and #28 (34 yards total), and 20 cu. of concrete for East Mono. #96. All ready-mix concrete was Lafarge Concrete Company's mix Design #44-C.

TESTS PERFORMED  
(As required by plans/specifications)

B+K Construction performed concrete tests as required by the contract. Find the results attached to this report on the B+K Const. Concrete Field Data Summary sheet.

## INSPECTIONS PERFORMED

Inspected the Temporary Flood Protection work done on the East Bank between Station 73+00 and 78+80. Existing sheet piles were cut off at elev. +6.75 to +7.00, and the concrete cap was lifted off and hauled off to landfill. No gaps or breaks in Flood Protection exist below elev. +6.75.

Checked formwork and embedded items prior to concrete placement at East Monoliths #96, #25, and #28 today. Form condition was fair to good on all I-Wall forms. Form surfaces were clean and oiled prior to being set in final position. Alignment and plumbness were checked, and found to be within 1/4" or less on all three Monoliths. Embedded steel, anchor bolts, and waterstop were also clean, and free of any oil, dirt, or loose debris. Location and elevation of anchors and waterstop were found to be correct. Re-steel was checked for proper size, spacing, bar count, and clearances - No deficiencies were observed.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked ladders and scaffolds at East Monoliths #96, #28, and #25. Ladders were in good condition, and tied off to the scaffolds to prevent accidental movement. Walk-boards and handrails were in good shape, and also nailed down to secure them in place. No loose materials or tools were left on the scaffold when not being used.

## REMARKS

(Instructions received, miscellaneous remarks)

Insp. Zane Bryant instructed B&K Construction to fix silt fence between East B sta. 70+20 and 76+00 by November 27, 1995 or a deficiency notice will be issued. Inspector Bryant also reminded us that no concrete can be placed in I-Wall forms until final clearance has been received from the C.O.E. Representative (LMN Form #1246 must be signed by the Government Rep. prior to concrete placement).

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

11-15-95

Date

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

DATE: 11-14-95

Pour Location East I-Wall Monolith # 28, # 25, # 96

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.
289514	1:37	2:10	3.5°	56gal	4.0 <sup>x</sup>	64°/63°	5.4	3	1:50	9
289547	2:20	3:06	4.0°	0-	4.0°	65°/63°	-	-	2:25	8
<del>289545</del>	1:56	3:07	4.0°	0-	4.0 <sup>x</sup>	65°/63°	5.0	-	2:00	10
289566	3:30	4:00	4.0°	0-	4.0°	66°/63°	-	-	3:30	10
289586	3:15	4:00	4.0°	0-	4.0°	64°/63°	-	-	3:50	9
289611	4:00	4:45	4.0°	0-	4.0°	64°/63°	-	-	4:05	8

REMARKS: Test Cylinder Set # LA-102

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

TECHNICIAN:  
Steve Thome

FOR 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 East # 28 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 11-14-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	11-14	2:40	ZAB	11-14-95	1455
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	11-14	2:40	ZAB	11-14-95	1455
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	11-14	2:45	ZAB	11-14-95	1500
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmg	11-14	2:50	ZAB	11-14-95	1505
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	11-14	2:50	ZJB	11-14-95	1505
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.88'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmj	11-14	2:55	ZJB	11-14-95	1510
G. SAFETY (LIST)	Jmj	11-14	2:35	ZJB	11-14-95	1510
1. Ladder	✓	"	"	✓	✓	✓
2. Scaffold	✓	"	"	✓	✓	✓
3. Eye Protection	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	11-14	3:00	ZJB	11-14-95	1510
FL340 Anchors	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	3:15	1.5				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				

J. REMARKS  
 SLUMP = 4" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 64°  
 AIR TEMPS = 63° ; 3 Test Cylinders (LA-102)  
**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  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 East # 25 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 11-14-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	11-14	12:45	ZAB	11-14-95	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	11-14	12:45	ZAB	11-14-95	1245
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	11-14	12:50	ZAB	11-14-95	1250
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	11-14	12:55	ZAB	11-14-95	1255
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	11-14	12:55	ZAB	11-14-95	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	11-14	1:00	ZAB	11-14-95	1300
G. SAFETY (LIST)	JmJ	11-14	1:00	ZAB	11-14-95	1300
1. Ladder	✓	"	"	✓	✓	✓
2. Scaffold	✓	"	"	✓	✓	✓
3. Rigging check	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	11-14	1:05	ZAB	11-14-95	1300
Exp. Material	✓	"	"	✓	✓	✓
FL 340 Anchors	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	INSPECTED BY CONTRACTOR				REVIEWED BY C.O.E.			
	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1:30	1.5				
Conc. Bucket	1	1.0 c.y.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				

J. REMARKS SLUMP = 4" ; AIR ENTR. = 5.4% ; CONCRETE TEMPS = 64° ;  
 AIR TEMPS = 63° ; 3 Test Cylinders (LA-102)

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

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  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 East # 96 LIFT NO. ONE ELEVATION from 2.50 to 14.40 DATE OF POUR 11-14-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	11-14	1:45	ZAB	11-14-95	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	11-14	1:45	ZAB	11-14-95	1430
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	11-14	1:50	ZAB	11-14-95	1435
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	11-14	1:55	ZAB	11-14-95	1440
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmD	11-14	1:55	ZLB	11-14-95	1440		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.45'	✓	"	"	✓	✓	✓		
WIDTH 2.25'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.90'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmD	11-14	2:00	ZLB	11-14-95	1445		
G. SAFETY (LIST)	JmD	11-14	2:00	ZLB	11-14-95	1445		
1. Ladder	✓	"	"	✓	✓	✓		
2. Scaffold	✓	"	"	✓	✓	✓		
3. Rigging	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmD	11-14	2:05	ZLB	11-14-95	1445		
Exp. Material	✓	"	"	✓	✓	✓		
FL 340 Anchors	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	36/12	2:00	2				
Conc. Bucket	1	1.0 c.y.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 65° ;							
	AIR TEMPS = 63° ; 3 Test Cylinders (LA-102)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: Zamb. 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.								

**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  
235

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

DATE Sat., Sun. & Mon.  
11, 12 & 13 November 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 Clear & Cool

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

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

TEMPERATURE	
MINIMUM 38°	MAXIMUM 74°

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

24 HOUR PRECIPITATION	
INCHES Sat. 0.75"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

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

Canal RIVER STAGE	
FEET 1.80'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
4-33½ hrs	16-134 hrs	14-125 hrs	34-292½

NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3			
FROM	TO	FROM	TO	FROM	TO
0700 M	1730 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; PEDESTRIAN BRIDGE 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) Wrecked forms from E. Monos #21 & #26; Set forms & placed concrete for E. Monos #23 & #97; Placed concrete for stab slab between EB/L Sta's 78+20 & 78+90; Installed cathodic jumpers between E. Monos #92 & #94 (2-jumpers); Cut holes in sheet piles for resteel; Rubbed & patched on E. Monos #09, #10, #11, #98 & #99 and plugged tie-rod holes in E. Monos #21 & #26; Began removed decking planks from Filmore Pedestrian Bridge. b) Set bottom resteel for E. Monos #25 & #28.

Days of no work and reasons for same:  
100% of days lost due to adverse weather/wet ground on 02, 03, 07 & 08 Nov 95.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.  
No progressive work scheduled or performed on Sat. & Sun., 11 & 12 Nov 95. Progressive work was scheduled and performed on Mon., 13 Nov 95, by B&K and Arcadia. See attached CQC Report.

DATE SET FOR COMPLETION: 11 MAY 96 PERCENT PROJECT COMPLETE: 45.0%  
PERCENT TIME ELAPSED: 71.6%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:  
Attended the following CQC Inspection Phases on Mon., 13 Nov 95:  
REINFORCED CONCRETE FLOODWALL: No instructions issued.  
PEDESTRIAN BRIDGE 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 on Mon., 13 Nov 95:

**REINFORCED CONCRETE FLOODWALL:** Performed Pre-Placement Inspections on E. Monos #23 & #97 prior to placement of concrete (see attached LMN Form 1246's). Witnessed sampling and testing of concrete used this date (see attached Concrete Field Data Sheet for test results). Observed placement of concrete into forms this date for E. Monos #23 & #97. Noted that concrete is not being allowed to drop more than 5' by use of trimmie chutes, concrete is being placed in lifts not exceeding 18", and concrete is being well vibrated (spare vibrators are on hand). Noted that finishers plugged tie-rod holes in E. Monos #21 & #26 after forms were removed. Also observed finishers rubbing surfaces of E. Monos #09, #10, #11, #98 & #99 this date. Checked and found that B&K had properly cadwelded cathodic protection jumpers approx. 8" below bottom of I-Wall elev. for E. Monos #92/#93 & #93/#93. Observed placement of 4" of concrete for stab slab between EB/L sta's 78+20 & 78+90, and 97+10 & 97+70. Noted B&K has cut holes in sheet piles approx. 2½" above stab slab for the installation of resteel for E. Monos #27 thru #30, and #95 & #96. Noted B&K also welded #6 rebars to tops of all existing AZ-18 sheet piles for E. Monos #95 & #96.

(CONTINUED ON ATTACHED QA SUPPLEMENT REPORT)

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

NONE

**CONTROVERSIAL MATTERS IN DETAIL**

NONE

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

NONE

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

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

**GOVERNMENT PERSONNEL ON SITE**

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

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

Checked and found anti-two blocking device working properly on the Mantis 3612 Crane this date (Mon., 13 Nov 95).

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE

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

DATE

15 Nov 95

SUPERVISOR'S INITIALS

*ye* *VP*

DATE

11/14/95

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

QAR# 235

DATE : 11,12 & 13 Nov 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

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

PEDESTRIAN BRIDGE DEMOLITION: Contractor began removing decking planks from the Pedestrian Bridge over London AVE. Canal adjacent to Filmore Ave. Removed approx. 1/3 of all planking.

SELECTIVE DEMOLITION: Contractor continued breaking concrete caps into 20' sections. These caps were previously removed from the existing floodwall, and will be removed from the jobsite in the near future.

RESTEEL INSTALLATION: Observed Arcadia setting and tying all required resteel for the bottom sections of E. Monos #25 & #28, and the top wall stem section of E. Mono #23. All resteel was set 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 D. BRYANT, JR.  
Inspector's Signature

Item No.	Description	Contract Quantity	Estimated Quantity	Placed Prev.	Placed Today	Placed To Date	% Comp
01	MOBILIZATION & DEMOBILIZATION	L.S.	L.S.	61.2%	-0-	61.2%	61.2%
02	CLEARING & GRUBBING	L.S.	L.S.	72.6%	-0-	72.6%	72.6%
03	SELECTIVE DEMOLITION	L.S.	L.S.	22.3%	-0-	22.3%	22.3%
04	PEDESTRIAN BRIDGE DEMOLITION	L.S.	L.S.	22.5%	-0-	22.5%	22.5%
05	EMBANKMENT, SEMICOMPACTED FILL	L.S.	L.S.	-0-	-0-	-0-	0.0%
06	STRUCTURAL EXCAVATION AND BACKFILL	L.S.	L.S.	32.8%	-0-	32.8%	32.8%
07	FERTILIZING, SEEDING, AND MULCHING	8 AC	8 AC	-0-	-0-	-0-	0.0%
08	CUTTING OFF EXISTING AZ-18, RZ-10 & PZ-27 SHEET PILING	L.S.	L.S.	58.4%	-0-	58.4%	58.4%
09	PULL, CLEAN, SALVAGE, & DELIVER EXISTING AZ-18 STEEL SHEET PILES	L.S.	L.S.	75.0%	-0-	75.0%	75.0%
10	REDRIVE EXISTING AZ-18 STEEL SHEET PILING	L.S.	L.S.	-0-	-0-	-0-	0.0%
11	PILING, STEEL SHEET, TYPE PZ-22	187,844 SF	187,844 SF	109861.89	-0-	109861.89	58.5%
12	PILING, STEEL SHEET, TYPE PSA-23	997 SF	997 SF	390.67	-0-	390.67	39.0%
13	PAINTING	L.S.	L.S.	-0-	-0-	-0-	0.0%
14	REINFORCED CONCRETE FLOODWALLS	L.S.	L.S.	42.2%	0.5%	42.7%	42.7%
15	CONCRETE SLOPE PAVEMENT	188 SY	188 SY	-0-	-0-	-0-	0.0%
16	UTILITY MODIFICATIONS	L.S.	L.S.	-0-	-0-	-0-	0.0%
17	TEMPORARY RELOCATION OF FEEDER LINES	L.S.	L.S.	47.3%	-0-	47.3%	47.3%
18	PERMANENT RELOCATION OF FEEDER LINES	L.S.	L.S.	6.9%	-0-	6.9%	6.9%
19AA	EROSION CONTROL, FIRST 10,670 LINEAR FEET	10,670 LF	10,670 LF	9040 lf	-0-	9040 lf	84.7%
19AB	EROSION CONTROL, ALL OVER 10,670 LINEAR FEET	2,700 LF	2,700 LF	-0-	-0-	-0-	0.0%
20	TEMPORARY FLOOD PROTECTION AND COFFERDAMS	L.S.	L.S.	91.8%	-0-	91.8%	91.8%
21	MISCELLANEOUS METALS	L.S.	L.S.	69.2%	-0-	69.2%	69.2%
22	FENCING (CIN-02)	L.S.	L.S.	100%	-0-	100%	100%
23	VECP, WALL REALIGNMENT (CIN-06)	L.S.	L.S.	100%	-0-	100%	100%
24	VECP, PAYMENT FOR WALL REALIGNMENT (CIN-07)	L.S.	L.S.	100%	-0-	100%	100%

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

DATE: 11/13/95

REPORT NO.: 290

SKIES: Clear

RAIN: 0"

IN. TEMP.: 38 MIN 74 MAX

DUST: None

LEEVE CONDITION: Damp CANAL GAUGE: (1.8) NOISE: Moderate

WORK PERFORMED/LOCATION

11-11-95 SATURDAY - No Work Performed (Rainfall = 0.75")

11-12-95 SUNDAY - No Work Performed (TOO WET)

① 11-13-95 Monday - B+K Construction - Wrecked forms at East Monoliths #21 and #26, Set forms at E. Mono. #23, then placed concrete at East Monoliths #23 and #97. Also formed and poured concrete at East Bank stabilization slab, between station 78+20 and 78+90, and between 97+70 and 97+10. Installed bond cables at East Monolith Joints #94-93 and #93-92 today prior to slab concrete placement.

Cut holes for rebar and welded #6 bond bars on top of A2-18 sheets at East Monolith #96 and #95. Cut holes for rebar to pass through sheet piles at East Monoliths #27, 28, 29, and #30.

Cement finishers completed patching East Monoliths #99, half of #98, and Land Side only at East Monoliths #9, #10, and #11. Also plugged tie-bolt holes at East Mono's #21 and #26.

Completed breaking up concrete cap from selective demolition into 20' sections from West B 107+00 to 102+00. Began demolishing Pedestrian Bridge at Filmore Avenue.

② ARCADIA REBAR - Tied bottom reinforcing steel at East Mono's #25 and #28, and top steel at East Mono. #23. Pre-tied 2 more mats of Re-steel for future I-wall tops.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approximate)	COMPANY	LOCATION/WORK DESCRIPTION
14	Unskilled	125	B+K Const.	Building I-Wall; Placing
12	Skilled	110	"	stab. slab concrete; Demolishing
3	Supt.	24	"	Pedestrian Bridge; Finishing
1	Q.C. Insp.	9.5	"	Concrete surfaces; Miscellaneous cutting and welding work. (See Above)
4	Skilled	24	ARCADIA REBAR	Tying Reinforcing steel for new I-wall (See Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	yes	4	4	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
RAMEX Roller-Packer	—	No	0	8	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	yes	1	7	—
Mantis 3612 Crane	—	yes	6	4	—
Koehring 405 Crane	—	yes	6	4	—
J.S.W. Excavator	—	yes	2	6	—
Welding Machine	—	yes	2	6	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	yes	6	4	—
6" diesel pump	—	No	0	8	—
EMU-300 Vib. Hammer	—	No	0	8	—
Bobcat/Conc. Breaker	—	yes	8	0	—

MATERIALS RECEIVED

Received 20 cubic yards of concrete for East Monolith # 97; 17 cubic yards of concrete for East Monolith # 23; 8 cubic yards of concrete for East B stab. Slab (97+70 to 97+10); and 5 cubic yards of concrete for East B stab. slab (78+20 to 78+90). All of this Ready-mix concrete was Lafarge Concrete Company's Mix Design #44-c.

TESTS PERFORMED

(As required by plans/specifications)

BTK Construction Company personnel performed tests and inspections required by the contract on concrete delivered by Lafarge today. One entrained air test came out 0.2% Low - however the majority of the air content tests have been between 5% and 7% as required. No changes in the mix design or admixtures will be made unless a trend develops to support such a change. Find test results attached to this report on the Concrete Field Data Summary sheet.



## INSPECTIONS PERFORMED

Inspected reinforcing steel placement today at East I-Wall Monoliths # 97 and #23 prior to concrete placement. The correct size and number of bars were installed by Arcadia Rebar, and verified by my inspections today. Steel clearances from face of wall forms was between 2" and 3" at all points. 2 1/2" bar supports were used to keep proper clearances before and during concrete placement. Reinforcing bars were clean and free of dirt, oil, and rust prior to placement, and were wet down with water hose before concrete was placed. No deficiencies were noted with respect to Re-Steel work today.

Checked sheet pile holes that were cut for Rebar penetration at East Monoliths # 95, #96, #27, #28, #29 and #30 today. Holes were torch-cut with a maximum diameter of 2". Holes that fell in the web or diagonal part of the sheets were slotted 2" high by 4" wide. Spacing was 12" max. on centers at East mono's #95 and #96, and 9" max. on centers at East Mono's 27 through #30.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked public streets, found some debris at Mirabeau Avenue. A laborer swept and shoveled up dirt along the curb at Mirabeau Avenue. An orange vest was worn during this clean-up work.

Checked wire rope on the Koehring Crane and Mantis Crane today. The cables were in good condition, with no frayed or flattened spots found.

## REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

11-14-95  
Date

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

DATE: 11-13-95

Pour Location East I-Wall Monolith # 97 and # 23; Stabilization slab, East of 78+20 to 78+90, and 97+70 to 97+10.

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.
289050	8:40	9:10	3.5°	5 Gal	4.0 <sup>x</sup>	61° 59°	4.8	3	9:05	10
289077	9:30	10:05	3.5°	5 Gal	4.0°	60° 59°	-	-	9:45	10
289179	12:50	1:45	2.5°	10 Gal	2.50 <sup>x</sup>	70° 65°	5.2	-	1:10	9
289195	2:05	2:45	4.0°	0 Gal	4.0°	70° 65°	-	-	2:15	8
289212	2:50	3:50	1.0°	25 Gal	1.0°	72° 66°	-	-	3:00	8
289249	4:30	5:30	3.5°	5 Gal	4.0°	71° 60°	-	-	4:40	5

REMARKS: Test Cylinder Set # LA-101

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

TECHNICIAN:

Steve Thome

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 East# 97 LIFT NO. ONE ELEVATION from 2.50 to 14.40 DATE OF POUR 11-13-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	11-13	7:15	ZAB	11-13-95	0800
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	11-13	7:15	ZAB	11-13-95	0800
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	11-13	7:20	ZAB	11-13-95	0800
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	11-13	7:25	ZAB	11-13-95	0805
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	11-13	7:25	ZAB	11-13-95	0805		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.30'	✓	"	"	✓	✓	✓		
WIDTH 2.25'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.90'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmj	11-13	7:30	ZAB	11-13-95	0810		
G. SAFETY (LIST)	Jmj	11-13	7:30	ZAB	11-13-95	0810		
1. Ladders	✓	"	"	✓	✓	✓		
2. Scaffolds	✓	"	"	✓	✓	✓		
3. Eye Protection	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	11-13	7:35	ZAB	11-13-95	0810		
EXP. Material	✓	"	"	✓	✓	✓		
FL340 Anchors	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
MANTIS CRANE	1	#3612	8:45	1.5				
Concrete Bucket	1	1.0 C.Y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 4.8% ; CONCRETE TEMPS = 61° ; AIR TEMPS = 59° ; 3 Test Cylinders (LA-101)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: Jennell. [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

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

East # 23

ONE

from 3.00 to 14.40

11-13-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	11-13	12:15	ZAB	11-13-95	1215
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	11-13	12:15	ZAB	11-13-95	1215
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	11-13	12:20	ZAB	11-13-95	1220
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	11-13	12:25	ZAB	11-13-95	1225
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	11-13	12:25	ZAB	11-13-95	1225		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.86'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.08	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	JmJ	11-13	12:30	ZAB	11-13-95	1230		
G. SAFETY (LIST)	JmJ	11-13	12:30	ZAB	11-13-95	1230		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Ladder	✓	"	"	✓	✓	✓		
3. Scaffold	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	11-13	12:35	ZAB	11-13-95	1230		
EXP. Material	✓	"	"	✓	✓	✓		
FL340 Anchors	✓	"	"	✓	✓	✓		
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 Vibrators	1	18' shaft	1250	2				
Generator	1	Gasoline	1250	2				
J. REMARKS	SLUMP = 2 1/2" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 70° ; AIR TEMPS = 65° ; 3 Test Cylinders (LA-101)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: [Signature]				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

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

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
234

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

DATE Friday  
10 November 1995

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

CONTRACT NUMBER  
DACW29-94-C-0079

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

WEATHER  
Cloudy & Windy

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 52°	MAXIMUM 80°

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

24 HOUR PRECIPITATION  
INCHES 0.00" ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
			1-5 hrs	1-5 hrs	

Canal RIVER STAGE  
FEET 1.90' TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
4-33½ hrs	16-139 hrs	15-130 hrs	35-302½	0700 M	1730 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. - CONCRETE FLOODWALL; SELECTIVE DEMOLITION; STRUCTURAL BACKFILL
- b. Arcadia Rebar, Inc. - RESTEEL INSTALLATION
- c. \_\_\_\_\_

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

- a) Set forms & placed concrete for E. Monos #21 & #26; Set forms for E. Mono #96; Placed slab between EB/L Sta's 77+70 & 78+20; Patched & rubbed surfaces of E. Monos #09, #19, #24, #98 & #100; Cut holes in sheet piles for resteel for E. Monos #25 & #26; Welded #6 rebars to tops of sheet piles for E. Monos #31, #32 & #33; Structural backfill EB/L Sta's 116+00 - 119+00.
- b) Set bottom resteel for E. Monos #23, #26 & #97, and top resteel for E. Monos #21, #26 & #97.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03, 07 & 08 Nov 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: 11 MAY 96

PERCENT PROJECT COMPLETE: 44.8%  
PERCENT TIME ELAPSED: 71.1%

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.

STRUCTURAL BACKFILL: 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 E. Monos #21 & #26 prior to placement of concrete (see attached LMN Form 1246's). Witnessed sampling and testing of concrete being used this date (see attached Concrete Field Data Sheet for test results). Observed placement of concrete into forms from E. Monos #21 & #26 this date. Checked resteel from E. Mono #97 this date, before contractor closed-up forms, and found all resteel properly installed. Checked and found area graded for stab slab between EB/L Sta's 77+70 & 78+20, graded to accept approx. 4" of concrete. Noted that #6 rebars were properly welded to tops of all sheet piles for E. Monos #30 thru #33 this date. Noted E. Monos #19, #22, #24, #98 & #99 were properly covered with wetted burlene for curing as required.

**SELECTIVE DEMOLITION:** Observed B&K con't to demolish previously removed concrete caps into 20' sections for removal at a later date. This was performed between WB/L 107+00 & 112+00.

**RESTEEL INSTALLATION:** Observed Arcadia setting bottom resteel for E. Monos #23, #26 & #97, and wall stem resteel for E. Monos #21, #26 & #97. All resteel properly installed & tied.

**STRUCTURAL BACKFILL:** Observed B&K compacting final lift of fill material on P/S of new wall, between EB/L Sta's 116+00 and 119+05, using a vibratory roller compactor.

**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>
B. BROGNA	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 safety latch for hook being used to hoist concrete bucket was missing. Had contractor immediately provide a temporary latch closure for this hook. Contractor used #9 tie-wire to close off open end of hook, and immediately ordered a replacement latch.

INSPECTOR'S SIGNATURE

DATE

SUPERVISOR'S INITIALS

DATE

BERNARD R. BROGNA

14 Nov 95

11/20

11

11/15/95





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

DATE: 10/10/95

REPORT NO.: 289

SKIES: Cloudy - Windy

RAIN: 0

IN. TEMP.: 52 MIN 80 MAX

DUST: None

LEEVE CONDITION: Damp CANAL GAUGE: (1.9) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - wrecked forms at East I-Wall Monoliths #98, #19, and #24 today. Patched tie-bolt holes and covered these walls with burlene blankets. Cleaned, oiled, and set these forms at East Monoliths #97, #21, and #26. Placed concrete at East Monoliths #21 and #26 today. Formed and poured concrete at East Bank Stabilization slab, Station 77+70 to 78+20. Cut holes for rebar to pass through CZ-101 sheets at East Monoliths #25 and #26. Welded #6 rebar on top of CZ-101 sheets (bond bars) at East Monoliths #30, #31, #32, and #33. This completes the #6 bond bar welding for this reach of floodwall. Completed structural backfill 3<sup>rd</sup> lift, east of station 116+00 to 119+05 Land Side. Continued breaking up concrete cap into 20' long sections from west of 112+00 to 107+00, to be hauled out later this month. Cement finishers patched and repaired concrete surfaces at East Monoliths #9 and #100 - not completed yet.

ARCADIA REBAR - Tied bottom re-steel at East Monoliths #97, #26, and #23. Set top steel at East Monoliths #97, #26, and #21. Pre-tied one more mat of re-steel for future walls.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY  
 COMPANY

NO TRADE (HOURS APPROX.) LOCATION/WORK DESCRIPTION

NO	TRADE	(HOURS APPROX.)	COMPANY	LOCATION/WORK DESCRIPTION
15	Unskilled	130	B+K Const.	Reinforced Concrete Floodwall;
13	Skilled	115	"	Demolition of existing floodwall;
3	Supt.	24	"	Structural backfill; Miscellaneous
1	Q.C. Rep	9.5	"	welding and cutting for I-Wall construction; finishing of defective concrete surfaces.
3	Skilled	24	Arcadia Rebar	Tying Reinforcing steel for new I-Wall (see Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	yes	4	4	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
Fiat- Allis Motor Grader	—	yes	1	7	—
MKT Vibro Hammer V-5	—	No	0	8	—
RAMEX Roller - Packer	—	yes	4	4	—
Mantis 3612 Crane	—	yes	6	4	—
Koehring 405 Crane	—	yes	6	4	—
J.S.W. Excavator	—	yes	2	6	—
Welding Machine	—	yes	3	5	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	yes	6	2	—
6" diesel pump	—	No	0	8	—
Emu-300 Vib. Hammer	—	No	0	8	—
Bobcat / Concrete Breaker	—	yes	8	0	—

MATERIALS RECEIVED

Received 17 cubic yards of concrete (mix #44-C from Lafarge Concrete Company) for East Mono #21, 17 c.y. of the same material for East Mono #26. Three cubic yards of the same material were ordered and placed in East Bank Stabilization Slab from station 77+70 to 78+20.

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction performed concrete tests and inspections on Ready-mix Concrete from Lafarge Concrete Company today. Results of these tests are attached to this report on the Concrete Field Data Summary Sheet. Three test cylinders were molded from today's material, and will be delivered to the Government Lab on Monday by B+K Const. personnel.

Initial inspection of Structural Backfill work was conducted today. Present for this inspection were Jerry Justice, Mike Tassin, and Jimmy Thornton representing BTK Construction Company, and Alex (Bernard) Bregna, representing the U.S. Army Corps of Engineers. Minutes of this Initial Inspection are attached to this report.

Inspected the reinforced concrete floodwall work done today. Formwork checklist (LMN Form #1246) was completed prior to placement of any concrete in I-Wall forms. No deficient items were found upon inspection. Placement of concrete was accomplished in 18" layers by using a concrete bucket, hopper, and trimmie trunks, which kept vertical drop of concrete to 5' or less. Each layer was vibrated and consolidated using an internal vibrator, before placement of the next layer of concrete. Concrete surfaces were finished smooth, and covered with dampened burlene after pour was complete.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked rigging used to hoist I-wall forms today. Spreader beam was checked for signs of metal fatigue or cracked welds - None were found. Wire rope slings were in good condition, as well as screw pin anchor shackles. The safety latch on the rigging used to hoist concrete bucket (Mike Tassin's crew) was missing upon inspection - a new one is on order for next week's work.

## REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized O C Representative

11-13-95  
Date

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

DATE: 11-10-95

Pour Location East I-Wall Monolith #21, #26 ; and East Bank Stabilization Slab, sta. 77+70 to 78+20.

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C

Required Strength 3000 psi  
at 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.
288928	12:35	1:25	2.5°	15 Gal	4.0 <sup>x</sup>	75° 74°	5.3	3	12:45	9
288954	1:25	2:25	1.5°	25 Gal	4.25 <sup>x</sup>	73° 74°	5.8	-	1:45	8
289004	3:35	4:25	4.0°	0 Gal	4.0 <sup>x</sup>	75° 74°	5.0	-	4:00	10
289021	4:35	5:30	4.0°	0 Gal	4.0°	73° 74°	-	-	4:45	10

REMARKS: Test Cylinder Set #LA-100

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

TECHNICIAN:  
Steve Thorne

FOR 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  
East 26

LIFT NO.  
ONE

ELEVATION  
from 3.00 to 14.40

DATE OF POUR  
11-10-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	11-10	2:20	Brogna	11-10	3:00
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	11-10	2:20	Brogna	11-10	3:05
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	11-10	2:25	Brogna	11-10	3:05
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmJ	11-10	2:30	Brogna	11-10	3:15
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmD	11-10	2:30	Buzza	11-10	3:15
CLEANLINESS	✓	"	"	"	"	"
RELEASING AGENT	✓	"	"	"	"	"
TIES AND BOLTS	✓	"	"	"	"	"
LENGTH 28.89'	✓	"	"	"	"	"
WIDTH 1.75'-1.00'	✓	"	"	"	"	"
HEIGHT 11.40'	✓	"	"	"	"	"
WATERSTOPS	✓	"	"	"	"	"
CHAMFER STRIPS	✓	"	"	"	"	"
F. WEATHER PROTECTION	JmD	11-10	2:35	Buzza	11-10	3:25
G. SAFETY (LIST)	JmD	11-10	2:35	Buzza	11-10	3:25
1. Eye Protection	✓	"	"	✓	"	"
2. Ladder	✓	"	"	✓	"	"
3. Scaffolding	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	JmD	11-10	2:40	Buzza	11-10	3:25
FL340 Anchors	✓	"	"	✓	"	"

I. EQUIPMENT USED	CONTRACTOR				C.O.E.			
	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	3:30	2				
Concrete Bucket	1	1 C.Y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				

J. REMARKS  
 SLUMP = 4" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 75° ;  
 AIR TEMPS = 74° ; 3 Test Cylinders (LA-100)

FINAL CLEARANCE  
 CONTRACTOR REPRS: *Jerry m Justice* C.O.E. REPRS: *Bernal Buzza*

**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  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 East # 21 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 11-10-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	11-10	11:35	Brogna	11-10	11:35
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	Jmj	11-10	11:35	Brogna	11-10	11:35
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	11-10	11:40	Brogna	11-10	11:40
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	Jmj	11-10	11:45	Brogna	11-10	11:45
CONDITION	✓	"	"	"	"	"



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	11-10	11:45	Bugna	11-10	11:45		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.86'	✓	"	"	✓	"	"		
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	Jmj	11-10	11:50	Bugna	11-10	11:50		
G. SAFETY (LIST)	Jmj	11-10	11:50	Bugna	11-10	11:50		
1. Eye Protection	✓	"	"	✓	"	"		
2. Ladders	✓	"	"	✓	"	"		
3. Scaffold	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	11-10	11:55	Bugna	11-10	11:55		
Exp. Material	✓	"	"	✓	"	"		
FL 340 Anchors	✓	"	"	✓	"	"		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	12:30	2				
Conc. Bucket	1	1 c.y.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.39% ; CONCRETE TEMPS = 75° ; AIR TEMPS = 74° ; 3 Test Cylinders (LA-100)							
FINAL CLEARANCE								
CONTRACTOR REPRS: <i>Jerry M. Justice</i>				C.O.E. REPRS: <i>Bernard Bugna</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.								

**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  
233

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

DATE Thursday  
09 November 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 & Cool

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION 100%	BORROW EXCAVATION 100%	EMBANKMENT 100%	CONCRETE 100%	STRUCTURE 100%
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TEMPERATURE	
MINIMUM 54°	MAXIMUM 72°

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

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-9 hrs	TOTAL 1-9 hrs	LABOR
-------------	--------	--------	-----------------------	------------------	-------

Canal RIVER STAGE	
FEET 2.00'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
4-33 hrs	13-115 hrs	15-130 hrs	32-278

NUMBER OF SHIFTS

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

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; SELECTIVE DEMOLITION; STRUCTURAL BACKFILL  
b. \_\_\_\_\_  
c. \_\_\_\_\_

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

a) Placed concrete for E. Monos #19, #24 & #98; Placed concrete for slab between EB/L Sta's 77+00 & 77+70; Removed existing concrete caps between EB/L Sta's 76+80 & 77+80; Placed final lift of backfill on P/S of new wall between EB/L Sta's 110+00 & 116+00; Welded #6 bars to tops of all sheet piles for E. Monos #26, #27, #28, #29 & #97; Cut holes in sheet piles for resteel installation in E. Mono #96; Patched & rubbed on E. Monos #08 & #99.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03, 07 & 08 Nov 95.

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

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

DATE SET FOR COMPLETION: 11 MAY 96

PERCENT PROJECT COMPLETE: 44.1%

PERCENT TIME ELAPSED: 71.0%

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.

STRUCTURAL BACKFILL: 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 E. Monos #19, #24 & #98 prior to placement of concrete (see attached LMN Form 1246's). Witnessed sampling and testing of concrete by B&K this date (see attached Field Data Sheet for test results). Observed placement & vibration of concrete for above mention E. Monos, and found concrete being placed in lifts of less than 18" and well vibrated. Also noted that concrete is not being allowed to drop more than 5' by use of trimmie-chutes. Noted that B&K welded #6 rebars to the tops of all sheet piles for E. Monos #26 thru #29 and #97 for cathodic protection. Also noted that B&K cut holes in sheet piles approx. 2½" above the stab slab for the instalation of resteel for E. Mono #96. Observed finisher rubbing surfaces of E. Monos #08 & #99.

**SELECTIVE DEMOLITION:** Observed B&K removing the existing concrete caps of existing sheet piles, between EB/L Sta's 76+80 & 77+80, by cutting off the existing piles at elev. +6.75' for use as temporary flood protection in this area. Noted B&K using a hydraulic breaker to break existing concrete caps into 20' section between EB/L Sta's 112+00 & 118+50.

**STRUCTURAL BACKFILL:** Observed B&K placing 3rd (final) lift of fill material on P/S of new wall between EB/L Sta's 110+00 & 116+00. No compaction being performed this date.

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

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

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

**NOTE:** Contractor anticipates working on 11-10-95, Friday, which is a Government Holiday (Veterans Day). Therefore, QA Inspections have been scheduled by the NOAO this date.

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

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

**GOVERNMENT PERSONNEL ON SITE**

<u>NAMES</u>	<u>DESIGNATION</u>	<u>HRS. ON SITE</u>	<u>DUTIES</u>
Z. BRYANT	Const. Insp., GS-07	8 hrs.	QAR

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

Checked and found one ladder being used to access I-Wall scaffolds, to be bent and too short to reach 3' above the landing. Informed contractor of this finding, and he immediately replaced this deficient ladder, and removed the defective ladder for the jobsite.

INSPECTOR'S SIGNATURE

*[Signature]*  
LANE D. BRYANT, JR.

DATE

14 NOV 95

SUPERVISOR'S INITIALS

*[Initials]*

DATE

11/15  
*[Initials]* 11/15/95



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

DATE: 11/9/95

REPORT NO.: 288

SKIES: Clear

RAIN: 0" IN. TEMP.: 54 MIN 12 MAX

DUST: None

LEEVE CONDITION: Dry CANAL GAUGE: (2.0) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Placed concrete at East Monoliths #19, #24, and #98 today. Also placed concrete at East Bank stabilization slab, station 77+00 to 77+70. Welded #6 bond bars on top of C2-101 sheets at East Monoliths #26, 27, 28, and #29; also at East Monolith #97. Cut holes for rebar to pass through AZ-18 sheets at East Monolith #96. Demolished existing floodwall from East B Sta. 76+80 to 77+80. Continued breaking concrete cap (previously demolished) into 20' sections from West B 118+50 to Sta. 112+00, to be hauled off later. Placed 3rd and final lift of structural backfill from East B 110+00 to 116+00. Cement finishing crew patched and repaired surfaces of East I-wall Monoliths #8 and #99 today.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approx.)	COMPANY	LOCATION/WORK DESCRIPTION
15	Unskilled	130	B+K Const.	Placing concrete for I-wall
13	Skilled	115	"	Monoliths and stabilization slab;
3	Supt.	24	"	Demolishing existing floodwall cap;
1	QC. Rep.	9	"	Miscellaneous welding and cutting
				for new I-wall construction;
				Finishing concrete surfaces
				of I-wall and stab. slab.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	2	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	yes	4	4	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
RAMEX Roller-Pucker	—	NO	0	8	—
MKT Vibro Hammer V-5	—	yes	7	4	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	6	4	—
Koehring 405 Crane	—	yes	6	4	—
J.S.W. Excavator	—	yes	2	6	—
Welding Machine	—	yes	3	5	—
Compressor + Sandblaster	—	NO	0	8	—
Komatsu 200 Exc.#2	—	yes	6	2	—
6" diesel pump	—	NO	0	8	—
EMU-300 Vib. Hammer	—	NO	0	8	—
Bobcat/Concrete Breaker	—	yes	8	0	—

MATERIALS RECEIVED

Received 34 c.y. of concrete for East Monor #19 and #24 (17 c.y. each wall); 20 c.y. of concrete for East Monor #98; and 5 c.y. of concrete for East Bank Stabilization Slab, Station 71+00 to 77+70. All concrete was Lafarge's Mix Design #44-C.

TESTS PERFORMED

(As required by plans/specifications)

B&K Construction performed concrete tests and inspections on Mix #44-C delivered by Lafarge Concrete Company today. Find results on the attached Concrete Field Data Summary sheet. Three test cylinders were molded, to be delivered to the Government Lab tomorrow.

## INSPECTIONS PERFORMED

Inspected the structure. backfill work being done today. Existing clay material from excavations was being placed in two 8" layers from Land Side edge of new T-wall to 2' away from the wall's edge. The material was spread and initially compacted by the Komatsu D-37 dozer. Next, the RAMEX Roller-Packer was used in several passes to compact the 8" lift. Nuclear density tests will be conducted after this lift is completed.

Also checked stabilization slab work done on the East Bank. Bottom of slab was approx. elev. +2.60, and top of slab was elevation +2.95. No standing water was present in the excavation when concrete was placed. Width of the slab was 5'-3"; 2'-6" to the Land Side from G, and 2'-9" from Flood Side to G. Concrete (Mix #44-C) was consolidated by hand-tamping, and then finished smooth with magnesium floats.

## JOB SAFETY

(Note inspection, violations/actions taken)

Found ladder at East Mont. # 98 to be slightly bent and weakened. This ladder was taken out of service and replaced with a good aluminum extension ladder today.

## REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

11-10-95  
Date

FOI CHECK OUT FOR

STRUCTURE  
 REINFORCE. CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH East # 24

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 11-9-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	11-9-95	8:26	ZAB	11-9-95	1300
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	11-9	8:20	ZAB	11-9-95	1300
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	11-9	8:25	ZAB	11-9-95	1300
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	11-9	8:30	ZAB	11-9-95	1305
CONDITION	✓	"	"	✓	✓	✓



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	11-9-95	8:30	ZAB	11-9-95	1305
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.88'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmj	11-9	8:35	ZAB	11-9-95	1310
G. SAFETY (LIST)	Jmj	11-9	8:35	ZAB	11-9-95	1310
1. Eye Protection	✓	"	"	✓	✓	✓
2. Rigging Check	✓	"	"	✓	✓	✓
3. Ladder Secured	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	11-9	8:40	ZAB	11-9-95	1310
FL340 Anchors	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	CONTRACTOR				C.O.E.			
	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Kochring Crane	1	535	1:45	2				
Concrete Bucket	1	6180	"	"				
Concrete Vibrator		18" Shaft	"	"				
Expirator		203.17M	"	"				

J. REMARKS  
 SLUMP = 4" + 4 1/4" ; AIR ENTR. = 5.0% + 5.5% CONCRETE TEMPS = 70" + 71" ;  
 AIR TEMPS = 72 + 72 ; 3 Test Cylinders (LA-99)

**FINAL CLEARANCE**

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

**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  STRUCTURE  REINFORCE CONCRETE FLOODWALL

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

MONOLITH East # 17 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 11-9-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JMD	11-9-95	7:15	ZOB	11-9-95	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	JMD	11-9	7:15	ZOB	11-9-95	0830
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JMD	11-9	7:20	ZOB	11-9-95	0835
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JMD	11-9	7:25	ZOB	11-9-95	0835
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmd	11-9	7:25	ZLB	11-9-95	0835		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.75'	✓	"	"	✓	✓	✓		
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.40'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	Jmd	11-9	7:30	ZLB	11-9-95	0840		
G. SAFETY (LIST)	Jmd	11-9	7:30	ZLB	11-9-95	0840		
1. Eye Protection	✓	"	"	✓	✓	✓		
2. Ladder	✓	"	"	✓	✓	✓		
3. Seat Belt	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	11-9	7:30	ZLB	11-9-95	0840		
Exp. Material	✓	"	"	✓	✓	✓		
FL 340 Number	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 260	1	Excavator	11:00	1 1/2				
Concrete bucket	1	1.25'	"	"				
Concrete vibrator	1	18" shaft	"	"				
Generator	1	Casolin	"	"				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 70° ; AIR TEMPS = 72° ; 3 Test Cylinders (LA-99)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Jerry M. Justice				C.O.E. REPRS: Gerald R. 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.								

FOR CHECK OUT FOR  STRUCTURE  REINFORC CONCRETE FLOODWALL

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

MONOLITH East # 98 LIFT NO. ONE ELEVATION from to 14.40 DATE OF POUR 11-9-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	11-9-95	10:00	ZAB	11-9-95	1030
VERTICAL	✓	"	"	✓	✓	✓
ALIGNMENT	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmJ	11-9	10:00	ZAB	11-9-95	1030
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	11-9	10:05	ZAB	11-9-95	1030
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmJ	11-9	10:10	ZAB	11-9-95	1035
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	<i>Jmg</i>	11-9	10:10	<i>ZJB</i>	11-9-95	1035		
CLEANLINESS	✓	"	"	✓	✓	✓		
RELEASING AGENT	✓	"	"	✓	✓	✓		
TIES AND BOLTS	✓	"	"	✓	✓	✓		
LENGTH 28.20'	✓	"	"	✓	✓	✓		
WIDTH 2.25'-1.00'	✓	"	"	✓	✓	✓		
HEIGHT 11.90'	✓	"	"	✓	✓	✓		
WATERSTOPS	✓	"	"	✓	✓	✓		
CHAMFER STRIPS	✓	"	"	✓	✓	✓		
F. WEATHER PROTECTION	<i>Jmg</i>	11-9	10:15	<i>ZJB</i>	11-9-95	1040		
G. SAFETY (LIST)	<i>Jmg</i>	11-9	10:15	<i>ZJB</i>	11-9-95	1040		
1.	✓	"	"	✓	✓	✓		
2.	✓	"	"	✓	✓	✓		
3.	✓	"	"	✓	✓	✓		
H. OTHER CHECKS PER SPECIFIC JOB	<i>Jmg</i>	11-9	10:20	<i>ZJB</i>	11-9-95	1040		
Exp. Material	✓	"	"	✓	✓	✓		
FL340 Anchors	✓	"	"	✓	✓	✓		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	3612	11:30	1 3/4				
Conc. Bucket	1	1 c.y.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
Generator	1	Gasoline	"	"				
J. REMARKS	SLUMP = 4 1/4" ; AIR ENTR. = 5.5% ; CONCRETE TEMPS = 71° ;							
	AIR TEMPS = 72° ; 3 Test Cylinders (LA-99)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:	<i>Jerry M. Justice</i>				C.O.E. REPRS: <i>Zane...</i>			
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

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

DATE: 11.9.95

Pour Location East I-Wall Monolith #19 #98, and #24;  
Stabilization Slab, East B 77+00 to 77+70

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C

Required Strength 3000 psi  
at 90 days

TICKET NO	TIME ARRVD	TIME CPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
288604	10:58	11:40	4.0°	-0-	4.0 <sup>x</sup>	70° 72°	5.0	3	11:05	9
288631	11:42	12:17	3.5°	5Gal	4.0°	71° 72°	-	-	12:00	8
288625	11:30	12:15	4.25°	-0-	4.25 <sup>x</sup>	71° 72°	5.5	-	11:40	10
288661	12:45	1:18	3.5°	5Gal	3.75°	70° 72°	-	-	1:00	10
288682	1:45	2:35	3.5°	5Gal	4.0°	71° 72°	-	-	2:00	9
288709	2:49	3:30	4.0°	-0-	4.0°	70° 72°	-	-	3:15	8
288731	4:03	4:29	3.5°	-5-	4.0°	70° 70°	-	-	4:10	5

REMARKS: Test Cylinder Set #LA-99

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  
232

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

DATE Wednesday  
08 November 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 & Mild

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
0%	0%	0%	0%	0%

TEMPERATURE	
MINIMUM	MAXIMUM
55°	75°

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

24 HOUR PRECIPITATION	
INCHES	ENDING
0.00"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

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

Canal RIVER STAGE	
FEET	TIME
2.10'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
3-24 hrs	13-108 hrs	15-125 hrs	31-257

NUMBER OF SHIFTS				<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3
FROM	TO	FROM	TO	FROM	TO	TO
0700 M	1600 M	M	M	M	M	M

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - 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 by letter in Table above)

a) Completed setting forms and adjusted resteel clearances for E. Monos #19 & #24; Patched tie-rod holes in E. Mono #22; Curing; Set pre-tied resteel wall stem mats for E. Monos #24 & #98; Graded for stab slab between EB/L Sta's 77+00 & 77+80; Removed existing concrete cap from between EB/L Sta's 76+20 & 76+80; Rubbed surfaces of E. Monos #07 & #100;

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03, 07 & 08 Nov 95.

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

Minor progressive work was performed by B&K this date, due to very wet ground conditions from previous rainfall. No work performed by subcontractors this date.

DATE SET FOR COMPLETION: 11 MAY 96 PERCENT PROJECT COMPLETE: 44.0%  
PERCENT TIME ELAPSED: 70.8%

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.

**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 this date:

REINFORCED CONCRETE FLOODWALL: Observed B&K remove forms from E. Mono #22 this date. Checked and found no major surface defects and observed finisher patching tie-rods on E. Mono #22. Observed B&K adjusting resteel clearances on E. Monos #19 & #24 this date, and completing setting forms for E. Monos #19, #24 & #98. Observed B&K con't to set forms and grade for stab slab between EB/L Sta's 77+00 & 77+80, with top of stab slab forms being set at elev. +3.00'. Observed finishers rubbing and patching on E. Monos #07 and #100 this date. Noted that East Monos #15, #17, #18, #20, #22, #99 & #100 were covered with wetted burlene for curing as required.

SELECTIVE DEMOLITION: Observed contractor removing the existing concrete caps from the existing sheet piles at approx. elev. +6.75'. between EB/L Sta's 76+20 & 76+80. These caps were loaded onto trucks and removed from jobsite.

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

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

NONE

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

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

NONE

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

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

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
C. WAGNER	Civ. Engr., GS-11	1 hr.		PE
Z. BRYANT	Const. Insp., GS-07	7 hrs.		QAR

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

Noted that person chipping concrete was wearing safety glasses, hard hat and safety toed boots  
No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

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

DATE

13 NOV 95

SUPERVISOR'S INITIALS

*Yw*

DATE

*11/15*  
*11/14/95*





# QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed finishers  
rubbing walls on east side monoliths filling  
air holes + voids w sand / cement mixture.  
Also observed personnel setting forms  
for next placement. No concrete was  
placed due to wet condition of lava.

Instructions to COC/Remarks: None given.

Chris Wagner Proj Engr  
 Name Title



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	4	4	-
Case 580 Backhoe #1	-	yes	3	5	-
Case 580 Backhoe #2	-	yes	2	6	-
RAMEX Roller-Packer	-	No	0	8	-
MKT Vibro Hammer U-5	-	No	0	8	-
Fiat-Allis MotorGrader	-	yes	2	6	-
Mantis 3612 Crane	-	yes	6	2	-
Koehring 405 Crane	-	yes	6	2	-
J.S.W. Excavator	-	yes	3	5	-
Welding Machine	-	No	0	8	-
Compressor + Sandblaster	-	No	0	8	-
Komatsu 200 Exc.#2	-	yes	4	4	-
6" diesel pump	-	No	0	8	-
EMU-300 Vib. Hammer	-	No	0	8	-
Bobcat/Concrete Breaker	-	yes	6	2	-

MATERIALS RECEIVED

None Received Today

TESTS PERFORMED

(As required by plans/specifications)

None Performed Today

## INSPECTIONS PERFORMED

Air Environment Pressure meter was checked today for accuracy. Found the pressure meter to be off 0.2% at 5% reading. The dial hand was reset to read exactly 5%, then a new test was run to check the new setting. The second calibration test came out at 5.0% and the pressure meter will be put back into service.

Checked East I-Wall forms at Monoliths #19 and #24. Found re-steel, waterstop, expansion material, and stainless steel anchor bolts (for FL340) installed in these forms correctly. Top elevation of these walls was checked, and found to be +14.42 Land Side, and +14.40 Canal Side. Plumbness and alignment of I-wall forms was checked, and found to be within 1/4" (0.02) at all points, or less than 0.02'. Form condition was fair, and all were cleaned and oiled prior to placement of forms in their final position.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked scaffolds at I-wall forms. Walkboards were in good condition, and handrails, mid-rails, and toeboards were in place. Ladders were in good condition and secured with tie-wire. Scaffolds were free of loose debris or materials that could be a tripping hazard.

Checked workers for hard hats and steel toe boots. No violations of personal protective gear were observed today.

## REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

11-9-95  
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  
231

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

DATE Sat. thru Tue.  
04 thru 07 November 1995

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

CONTRACT NUMBER  
DACW29-94-C-0079

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

WEATHER Cloudy with Rain  
to Partly Cloudy

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

STRUCTURAL EXCAVATION 100/0%	BORROW EXCAVATION 100/0%	EMBANKMENT 100/0 %	CONCRETE 100/0 %	STRUCTURE 100/0%
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TEMPERATURE	
MINIMUM 58°	MAXIMUM 82°

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

24 HOUR PRECIPITATION	
INCHES 0.75"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY 2-3 hrs	OFFICE	LAYOUT	INSPECTION 1-8 hrs	TOTAL 3-11 hrs	LABOR
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FEEET 2.50' to 2.10'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

SUPERVISORY 4-39 hrs	SKILLED 17-178 hrs	LABORERS 12-120 hrs	TOTAL 33-337	FROM 0700 M	TO 1700M	FROM M	TO M	FROM M	TO M
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1  2  3

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; STRUCTURAL BACKFILL; 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) Completed setting forms for E. Monos #19, #22 & #99; Placed concrete for E. Monos #22 & #99; Placed concrete slab between EB/L Sta's 97+70 & 97+95; Installed 1-cathodic jumper between E. Monos #94/#95; Placed structural backfill on L/S of new wall between EB/L Sta's 100+00 & 102+67, final lift; Removed existing concrete cap between EB/L Sta's 75+80 & 76+20.
- b) Set bottom resteel for E. Monos #21 & #24, and top resteel for E. Monos #19 & #22.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03 & 07 Nov 95.

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

Progressive work performed on Mon., 06 Nov 95 by B&K and Arcadia. However, only minor work was able to be performed on Tue., 07 Nov 95, due to wet ground conditions from rainfall this AM.

DATE SET FOR COMPLETION: 11 May 96

PERCENT PROJECT COMPLETE: 44.0%

PERCENT TIME ELAPSED: 70.7%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

See attached PE's QA Supplemental Report for details of CQC Inspections attended on Mon., 06 Nov 95.

QAR, Z. Bryant attended the following CQC Inspection Phases on Tue., 07 Nov 95:

REINFORCED CONCRETE FLOODWALL: No instructions issued.

RESTEEL INSTALLATION: No instructions issued.

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

See attached PE's QA Supplemental Report for details of QA Inspections performed on Mon., 06 Nov 95.

The following QA Inspections were performed on Tue., 07 Nov 95 by QAR, Z. Bryant:  
REINFORCED CONCRETE FLOODWALL: Observed contractor removing & cleaning forms from East Mono #99, in preparation for next placement. No other work performed this date.  
RESTEEL INSTALLATION: Observed subcontractor setting & tying bottom resteel for E. Mono #98, and pre-tying 1-set of wall stem mats for E. Mono #98. No other work performed this date.

NOTE: No progressive work could be performed on Tue., 07 Nov 95, due to inclement weather conditions.

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

See attached PE's QA Supplemental Report for instructions issued on Mon., 06 Nov 95. No instructions were issued on Tue., 07 Mon 95.

**CONTROVERSIAL MATTERS IN DETAIL**

NONE

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

NONE

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

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

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
D. DUHON	Suprv. Civ. Engr., GS-12	1 hr. (Tue)	SCE
C. WAGNER	Civ. Engr., GS-11	2 hrs. (Mon)	PE
Z. BRYANT	Const. Insp., GS-07	6 hrs. (Tue)	QAR

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

On 07 Nov 95, it was noted that all personnel on-site were wearing hard hats and safety toed boots.

No safety infractions were noted this period.

INSPECTOR'S SIGNATURE

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

DATE

13 Nov 95

SUPERVISOR'S INITIALS

*eyw*

DATE

*11/15*  
*11/14/95*





QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Performed pre-placement check out list on monoliths #19 & #22. #19 was rejected since there was insufficient clearances on the ~~vertical~~ horizontal bars.

Observed concrete placement for mono #22 & witnessed air & slump test that were performed. (See attached CQC report for results). Also observed subcontractor tying rebar for future monoliths.

Instructions to CQC/Remarks: Instructed CQC rep Jerry Justice not to place concrete for mono #19 since there was insufficient clearances on the horizontal bars. He agreed with this decision.

Chris Wagner      Proj Engr  
Name                              Title

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

DATE: 11/7/95

REPORT NO.: 286

SKIES: Cloudy-Rain

RAIN: 0.75 IN. TEMP.: 58 MIN 78 MAX

DUST: None

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

WORK PERFORMED/LOCATION

BTK Construction - Too wet for any productive work today. Wrecked forms at East I-Wall Monolith #99, then cleaned and oiled these forms for tomorrow's work.

Arcadia Rebar - Tied bottom reinforcing steel at East Monolith #98, and pre-tied one mat of steel for wall stem at #98 (to be set in place by crane tomorrow).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
11	Unskilled	20	B+K Const.	No work performed - Too Wet and more rain falling.
13	Skilled	24	"	
3	Supt.	6	"	
1	Q.C. Rep	4	"	
2	Skilled	6	Arcadia Rebar	Tying Re-steel for I-Wall Monoliths (see Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	No	0	8	—
Komatsu D37P Dozer	—	No	0	8	—
Kubota 151 Excavator	—	No	0	8	—
Case 580 Backhoe #1	—	No	0	8	—
Case 580 Backhoe #2	—	Yes	2	6	—
RAMEX Roller - Packer	—	No	0	8	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	Yes	3	5	—
Koehring 405 Crane	—	No	0	8	—
J.S.W. Excavator	—	No	0	8	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc.#2	—	No	0	8	—
6" diesel pump	—	No	0	8	—
Emy-300 Vib. Hammer	—	No	0	8	—
Bobcat/Concrete Breaker	Rental	No	0	8	—

MATERIALS RECEIVED

*None Received Today*

TESTS PERFORMED

(As required by plans/specifications)

*None Performed Today*

QUALITY CONTROL REPORT  
INSPECTIONS PERFORMED

NONE PERFORMED TODAY

JOB SAFETY

Checked public streets for dirt, mud, or debris from our operations - None was found of any significance on Robert E. Lee Blvd, Mirabeau Ave., or Filmore Ave. today.

REMARKS

We are requesting 100% Lost Production for today due to wet soil and heavy rainfall.

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

11-8-95

Date

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

DATE: 11/6/95

REPORT NO.: 285

SKIES: Cloudy - Pt. Cloudy RAIN: 0" IN. TEMP.: 60 MIN 82 MAX

DUST: None LEVEE CONDITION: Damp CANAL GAUGE: (2.1) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Wrecked forms at East I-wall Mono. #17. Set forms at East Monoliths #19 and #22. Poured concrete at East Monoliths #99 and #22 today. East Mono. #19 rejected upon inspection prior to concrete placement. Formed and poured stabilization slab from East B Sta. 97+95 to 97+70. Cut holes for rebar at East Monoliths #97, #23, and #24. Installed one bond cable at East Monolith #95-94 for cathodic protection. Demolished existing floodwall from East B station 75+80 to 76+20. Cement finishers patched tie-bolt holes at East Monolith #20, and patched defective concrete surfaces on East Monolith #6 and #100 (not completed yet). Placed structural backfill on Land side of new I-wall between East B Sta. 102+67 and 110+00, 3<sup>rd</sup> and final lift.

Arcadia Rebar - Tied bottom reinforcing steel at East Monolith #24 and #21. Set top steel mats at East Monolith #19 and #22 with help from B&K Construction personnel and equipment. Pre-tied one more mat of re-steel for future I-wall stems.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY  
 COMPANY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
12	Unskilled	100	B&K Const.	Reinforced concrete floodwall;
13	Skilled	120	"	Selective demolition; Structural
3	Supt.	20	"	Backfill; incidental work.
1	Q.C. Rep.	9	"	(See Location/Description Above)
4	Skilled	28	Arcadia Rebar	Tying Re-steel for I-wall Monoliths (See Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	2	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	yes	4	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
RAMEX ROLLER-PACKER	—	yes	5	3	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	No	0	8	—
Mantis 3612 Crane	—	yes	6	4	—
Koehring 405 Crane	—	yes	8	2	—
J.S.W. Excavator	—	yes	2	8	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	yes	5	5	—
6" diesel pump	—	No	0	8	—
EMV-300 Vib. Hammer	—	No	0	8	—
Bobcat Excavator	—	yes	6	2	—

MATERIALS RECEIVED

Received 17 cubic yards of mix #44-C concrete for East T-wall Monolith #22; 20 cubic yards of the same material for East Monolith #99; and 3 cu. yd. of this material for stabilization slab, between East R<sub>2</sub> 97+95 to 97+70. All material was ready-mix concrete from Lafarge Concrete Company.

TESTS PERFORMED

(As required by plans/specifications)

BTK Construction tested and inspected concrete delivered by Lafarge Concrete Company today. Results are attached to this report on the Concrete Field Data Summary Sheet.

Delta Testing collected existing soil samples on the West Bank at station 87+25 and 118+50 (approximate) for the purpose of determining Proctor values and compaction curves for structural backfill work on this side of the Canal. Results to follow in approx. 2 weeks time.

## INSPECTIONS PERFORMED

Inspection of East I-wall monolith revealed insufficient clearances on North and South ends of the wall between Reinforcing Steel and edge of concrete. The only way to correct this problem is to remove the form (one side) and trim the horizontal bars 2" clear of expansion material at each end. This will be done before concrete is placed at this monolith.

East Monoliths # 99 and # 22 were inspected, and no deficiencies or problems were noted. Reinforcing Steel clearances were 2" to 3" all sides. Form condition was fair on both walls. Alignment, plumbness and elevations were also checked and found to be correct within tolerances specified. Top of I-wall was elev. 14.42 Land Side and 14.40 Flood Side.  $\phi$  of I-wall was correct using offsets established by myself, the Field Engineer.

## JOB SAFETY

(Note inspection, violations/actions taken)

checked rigging on concrete buckets today at both placement locations. Wire rope slings were in good condition. A safety latch was missing from the swivel hook on East Monolith #122 pour location, however the hook was secured with heavy wire to prevent wire rope slings from coming out of the hook. A new safety latch is ordered for this hook.

## REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

11-7-95  
Date

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 East # 99 LIFT NO. ONE ELEVATION from 2.50 to 14.40 DATE OF POUR 11-6-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ ✓	11-6-95	9:00			
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 ✓	11-6	9:00			
CLEANLINESS		"	"			
WATERED		"	"			
WATERJET (JOINT)		N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ ✓	11-6	9:05			
VERTICAL		"	"			
HORIZONTAL		"	"			
SPACING		"	"			
CLEARANCES		"	"			
STEEL SCHEDULE		"	"			
SHOP DRAWINGS		"	"			
TIE WIRES		"	"			
#6 BAR WELDED		"	"			
CLEANLINESS		"	"			
WATERED	"	"				
E. FORMWORK	JmJ ✓	11-6	9:10			
CONDITION		"	"			



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	JmJ	11-6	9:10					
CLEANLINESS	✓	"	"					
RELEASING AGENT	✓	"	"					
TIES AND BOLTS	✓	"	"					
LENGTH 28.30'	✓	"	"					
WIDTH 2.25'-1.00'	✓	"	"					
HEIGHT 11.90'	✓	"	"					
WATERSTOPS	✓	"	"					
CHAMFER STRIPS	✓	"	"					
F. WEATHER PROTECTION	JmJ	11-6	9:15					
G. SAFETY (LIST)	JmJ	11-6	9:15					
1. Eye Protection	✓	"	"					
2. Ladder	✓	"	"					
3. Scaffold	✓	"	"					
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	11-6	9:20					
Exp. Material	✓	"	"					
FL340 Anchor Bolts	✓	"	"					
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#3612	10:10	2 1/2				
Cons. Bucket	1	1.0 c.y.	"	"				
Cone. Vibrator	1	18' shaft	"	"				
Generator	1	Wacker	"	"				
J. REMARKS	SLUMP = 4" ; AIR ENTR. = 5.7% ; CONCRETE TEMPS = 76° ; AIR TEMPS = 82° ; 3 Test Cylinders (LA-98) FINAL CLEARANCE							
CONTRACTOR REPRS:	Jerry M. Justice			C.O.E. REPRS: None Present				
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

FORM CHECK OUT FOR

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 East # 22

LIFT NO. one

ELEVATION from 3.00 to 14.40

DATE OF POUR 11-6-95

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

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	11-6	3:00			
CLEANLINESS	✓	"	"			
RELEASING AGENT	✓	"	"			
TIES AND BOLTS	✓	"	"			
LENGTH 28.88'	✓	"	"			
WIDTH 1.75'-1.00'	✓	"	"			
HEIGHT 11.40'	✓	"	"			
WATERSTOPS	✓	"	"			
CHAMFER STRIPS	✓	"	"			
F. WEATHER PROTECTION	JmJ	11-6	3:05			
G. SAFETY (LIST)	JmJ	11-6	3:05			
1. Eye Protection	✓	"	"			
2. Ladder	✓	"	"			
3. Scaffold	✓	"	"			
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	11-6	3:05			
FL340 Anchors	✓	"	"			

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generators	1	Multi-Quip	"	"				

J. REMARKS SLUMP = 4 3/4" + 4" ; AIR ENTR. = 6.5% ; CONCRETE TEMPS = 75° ;  
 AIR TEMPS = 82° ; 3 Test Cylinders (LA-98)

**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.

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

DATE: 11-6-95

Pour Location East I-Wall Monolith #99 and #22; East Bank Stabilization Slab, Sta. 97+95 to 97+70

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.
288077	10:10	11:05	4.0°	-0-	4.0 <sup>x</sup>	76° 82°	5.7	3	10:40	10
288104	11:30	12:17	2.5°	15 Gal	4.0°	78° 82°	-	-	11:50	10
288201	2:45	3:34	4.75°	-0-	4.75 <sup>x</sup>	75° 82°	6.5	-	3:15	9
288216	3:11	4:15	4.0°	-0-	4.0 <sup>x</sup>	74° 82°	-	-	3:30	8
288226	3:45	4:00	4.0°	-0-	4.0°	75° 80°	-	-	3:50	3

REMARKS: Test Cylinder Set #LA-98

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  
230

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

DATE Friday  
03 Nov 95

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  
Cldy and Rainy

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 0 %	BORROW EXCAVATION 0 %	EMBANKMENT 0 %	CONCRETE 0 %	STRUCTURE 0 %
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MINIMUM 49	MAXIMUM 70
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION  
INCHES 1.4" ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

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

FEET 2.9'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 3-8	SKILLED 12-12	LABORERS 12-12	TOTAL 27-32	FROM 0730 M	TO 1230 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a B & K Const. Co., Inc. - No work performed today
- 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)

None

Days of no work and reasons for same.

02 and 03 November 1995 are 100% lost due to weather conditions.

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

None performed.

DATE SET FOR COMPLETION: 11 May 95

PERCENT PROJECT COMPLETE: 43.0%

PERCENT TIME ELAPSED: 70.0%

QCR INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

None attended.

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

EROSION CONTROL: QAR checked site and found no problems.

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 ~~XXXXX~~ ~~XXXXX~~ for this (date/period) ~~XXXXX~~).

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>
Bernard Brogna	Const. Insp., GS-07	&	QAR

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

None

INSPECTOR'S SIGNATURE BERANRD R BROGNA		DATE 06 Nov 95	SUPERVISOR'S INITIALS <i>gme</i>	DATE 11/15
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QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	No	0	8	—
Komatsu D37P Dozer	—				—
Kubota 151 Excavator	—				—
Case 580 Backhoe #1	—				—
Case 580 Backhoe #2	—				—
RAMEX ROLLER/COMPACTOR	—				—
MKT Vibro Hammer	—				—
Fiat-Allis MotorGrader	—				—
Mantis 3612 Crane	—				—
Koehring 405 Crane	—				—
J.S.W. Excavator	—				—
Welding Machine	—				—
Compressor + Sandblaster	—				—
Komatsu 200 Exc. #2	—				—
6" diesel pump	—				—
EMU-300 Vib. hammer	—				↓
Bobcat Excavator	—	↓	↓	↓	—

MATERIALS RECEIVED

NONE TODAY

TESTS PERFORMED

(As required by plans/specifications)

NONE TODAY



INSPECTIONS PERFORMED

None Performed Today

JOB SAFETY

(Note inspection, violations/actions taken)

Checked equipment on the levee crown today. All machines were parked, locked, and secured in a safe manner.

REMARKS

(Instructions received, miscellaneous remarks)

We are asking for a lost Day of Production for today (100%) due to heavy Rain and saturated soil conditions.

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

11-03-95  
Date

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

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
229

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

DATE Thursday  
02 November 95

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  
Cldy w/rain

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 0 %	BORROW EXCAVATION 0 %	EMBANKMENT 0 %	CONCRETE 0 %	STRUCTURE 0 %
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MINIMUM 67	MAXIMUM 83
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION  
INCHES 1.5" ENDING 0730

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-8	TOTAL 1-8	LABOR
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FEET 2.40"	TIME 0800
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 4-26	SKILLED 15-59	LABORERS 14-60	TOTAL 33-145	FROM 0730	TO 1600	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
- b. ARCADIA REBAR- REINFORCEMENT
- 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. The contr stripped forms from mono #20; began setting forms for mono #22; dry-packed tie-rod holes.
- b. Pre-tied two top mats of reinforcement.

Days of no work and reasons for same.  
02 November 95 was 100% lost due rain showers.

Information on progress of work, causes for delays and extent of delays, Plant, material, etc.  
Although both contrs attempted to work, very little progressive work was accomplished.

DATE SET FOR COMPLETION: 11 May 95  
PERCENT PROJECT COMPLETE: 43.1%  
PERCENT TIME ELAPSED: 69.8%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended today:  
CONCRETE FLOODWALL: No instructions issued.  
REINFORCEMENT: No instructions issued.

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

The following Follow-Up QA Inspections were made today:

CONCRETE FLOODWALL: QAR observed the contr dry-pack tie-rod holes as soon as forms were removed. QAR observed the contr wetting burlene blankets for wet curing before the rain began. QAR observed the contr match the bulkhead with interlock at south joint of mono #99.

REINFORCEMENT: The two pre-tied mats were properly sized and spaced.

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>
Bernard Brogna	Const. Insp., GS-07	7	QAR

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

Checked for personal protective equipment. No problems noted.

INSPECTOR'S SIGNATURE  
BERNARD R BROGNA

DATE  
03 Nov 95

SUPERVISOR'S INITIALS

DATE

11/15

*[Handwritten initials]*

11/15/95

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

DATE: 11/02/95

REPORT NO.: 283

SKIES: Cloudy - Rain

RAIN: 1.5" IN.

TEMP.: 67 MIN 83 MAX

DUST: None

LEVEE CONDITION: Wet CANAL GAUGE: (2.4) NOISE: Minimal

\* Rain Out - 11:00 AM WORK PERFORMED/LOCATION  
 100% Lost Production.

B+K Construction - Wrecked Forms at East I-wall Monolith #20, then patched tie-bolt holes and covered this wall with a burlap blanket. Began forming East Mono #22; not completed due to rain showers. Corrected I-wall form bulkhead at East Mono #99 to match Existing AZ-18 sheet pile interlock, and prepared to place concrete at E. Mono #99 today. Rain showers shut down work at 11:00 AM. Survey crew established offset lines and control elevations for I-wall construction in both reaches currently being worked.

Arcadia Rebar - Pre-tied 2 mats of top reinforcing steel for I-wall stem sections. Rain stopped all work at 11:00 AM.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approximate)	COMPANY	LOCATION/WORK DESCRIPTION
14	Unskilled	60	B+K Const.	No Productive work on Pay
12	Skilled	50	"	Items today due to heavy
3	Supt.	18	"	Rain showers at 10:30 AM.
1	QC Rep	8	"	Wrecking + Setting I-wall forms only.
3	skilled	9	Arcadia Rebar	Pre-tying Reinforcing steel mats for future placement in I-wall.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	2	6	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	yes	1	7	—
Case 580 Backhoe #1	—	yes	3	5	
Case 580 Backhoe #2	—	No	0	8	
RAMEX ROLLER COMPACTOR	—	yes	2	6	
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	yes	1	7	—
Mantis 3612 Crane	—	yes	3	5	
Koehring 405 Crane	—	yes	3	5	
J.S.W. Excavator	—	No	0	8	
Welding Machine	—	No	0	8	
Compressor + Sandblaster	—	No	0	8	
Komatsu 200 Exc. #2	—	yes	1	7	
6" diesel pump	—	No	0	8	
EMV -300 Vib. Hammer	—	No	0	8	
Bobcat Excavator	—	yes	2	6	

MATERIALS RECEIVED

NONE RECEIVED TODAY

TESTS PERFORMED

(As required by plans/specifications)

NONE PERFORMED TODAY

## INSPECTIONS PERFORMED

Checked wall alignment w/ setting up offset lines today. New F-wall monoliths were all found to be within 0.02' of plan alignment. No significant deflection of walls from true & were observed today. (Areas checked were East @ sta. 70+26 through 75+06, and 99+69 through 99+12.)

Inspected East Monoliths #100 and #20 today after forms had been removed from these walls. No honeycombs or voids were present on either side of E. Mono. #100 OR E. Mono. #20. Surfaces were relatively smooth and free of defects. A moderate amount of air bubble holes exist on both walls, mostly between 1/2" and 1" in size. These small holes will be chipped and patched smooth by cement finishing crew before final acceptance and painting.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked public streets for any dirt OR debris from construction activities. None was observed on Robert E. Lee, Mirabeau OR Filmore Avenues.

Checked equipment on the levee, found all power equipment locked up with keys removed and blades buckets, OR attachments lowered to the ground.

## REMARKS

(Instructions received, miscellaneous remarks)

(100%) we are requesting a lost day for today due to heavy rain and wet soil.

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 Juster  
Authorized Q C Representative

11-3-95  
Date

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
228

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

DATE Wednesday  
01 November 95

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  
Cldy w/rain

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

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

TEMPERATURE	
MINIMUM	MAXIMUM
66	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
0.20"	0730 M

NUMBER OF GOVERNMENT EMPLOYEES

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

Canal RIVER STAGE	
FEET	TIME
2.60'	0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY	SKILLED	LABORERS	TOTAL
4-34	15-119	15-128	34-281

NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1		<input type="checkbox"/> 2		<input type="checkbox"/> 3	
FROM	TO	FROM	TO	FROM	TO
0730 M	1800 M				

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; STRUCTURAL BACKFILL
- b. Arcadia Rebar-REINFORCEMENT
- 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. The contr readied and placed mono #17 est side; placed stab. slab from EB/L Sta's 98+30 to 97+95 and 76+30 to 77+00; received re-steel for 18 monoliths; finished mono #5; placed structural backfill from EB/L Sta's 102+67-119+05.
- b. Set reinforcement for mono's #99 & 19, bottoms, #17, top, and pre-tied one mat of top steel.

Days of no work and reasons for same  
 No lost weather days for Nov at this date.

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

Both contrs performed progressive work today.

DATE SET FOR COMPLETION: 11 May 95

PERCENT PROJECT COMPLETE: 43.1%  
 PERCENT TIME ELAPSED: 69.7%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:  
 The following CQC Inspection Phases were attended today:  
CONCRETE FLOODWALL: No instructions issued.  
STRUCTURAL BACKFILL: No instructions issued.  
REINFORCEMENT: 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 made today:

**CONCRETE FLOODWALL:** The contr readied and placed mono #17. The pre-placement checkout (Form LMN 1246) was made and found ready. QAR witnessed the placing and testing of mono #17; see CQC Report for results. The forms were properly aligned, graded, and plumbed. The reinforcement including #6 cathodic bar was installed as shown on the shop drawings. The 3-bulb waterstop, expansion material, chamfer strips, and embedded items were properly installed. QAR observed the proper wet curing of mono's as required with the use of wetted burlene blankets. Finishing and dry-packing of tie-rod holes was observed and in compliance with specifications. QAR observed the contr ready and place stab. slab. The 4" screeds were set to grade and the 3000 psi concrete was struck-off level. The placement was in-the-dry and to the elevations shown on the drawings. The concrete for mono #17 was introduced through a tremee to limit drop and was well vibrated.

**STRUCTURAL BACKFILL:** QAR observed the contr compacting structural fill with the Rammax and a foot-pad compacter over this entire reach from EB/L 102+67 to 119+05 reworking previously completed area. East embankment material was casted over the East Floodwall and pushed into place with the back-hoe and bobcat respectively. (CONTINUED)

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 ~~XXXX~~).

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

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Beranrd Brogna	Const. Insp., GS-07	8	QAR

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

Checked for use of personal protective equipment. No problems noted.

INSPECTOR'S SIGNATURE BERANRD R BROGNA	DATE 2 Nov 95	SUPERVISOR'S INITIALS gw	DATE 11/7/95
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QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 228

DATE 01 Nov 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

(CONTINUED FORM PAGE 1)

The 8" lifts were visually checked to ensure consistency in appearance. QAR witnessed Delta Testing taking Density and a Sand Cone Test; see attached for results. Failed reaches continue to re-worked.

REINFORCEMENT: QAR observed the contr unloading a shipment of re-steel. QAR checked the shipment against the Mill Test Report and the CRSI field guide handbook and found no irregularities. American manufactures and bars stamps indicating Grade 60 bars were found. Pretied re-steel was properly sized and spaced. Installed re-steel was clean, properly sized, spaced, tied, and located. Holes in sheeppile were sized to 2"x2" and 2"x4" as required.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE

*Bernard R Brogna*  
BERNARD R BROGNA

Inspector's Signature



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

DATE: 11/01/95

REPORT NO.: 282

SKIES: Cloudy - Rain

RAIN: 0.20" IN. TEMP.: 66 MIN 85 MAX

DUST: None

LEEVE CONDITION: Damp CANAL GAUGE: (2.6) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - Wrecked forms at East Monoliths #15 and #100, then patched tie-bolt holes and covered these with burlap blankets. Set forms at East Monolith #17 and poured concrete at E. Mono #17 today. Set forms and top steel at E. Mono #99 (not poured today). Formed and poured concrete at East Bank Stabilization slab from station 98+30 to 97+95 (now complete on both sides to 97+95) and from Sta. 76+30 to 77+00. Cut holes for rebar to pass through sheet piles at East Monoliths #99 and #98. Welded #6 Rebar on top of AZ-18 Sheets (Bond Bars) at East Mono's #99 and #98. Bond bars were welded and holes cut in sheets for rebar at East Mono #100 on previous date; accidentally omitted from the Q.C. Daily Report. Unloaded 18 more monoliths of reinforcing steel from Lulich Steel Company today, as well as steel for collars. Cement finishers completed patching East Mono #5. Placed 3<sup>rd</sup> and final lift of structural backfill from E.B. 102+07 → 119+05 and compacted same. Arcadia Rebar - Tied bottom re-steel at East Mono's #99 and #19 today. Pre-tied one mat of steel for I-Wall stems. Also set top steel mat at East Mono #17.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY  
 COMPANY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
15	Unskilled	128	B+K Const.	Reinforced Concrete Floodwall;
12	Skilled	104	"	Structural Backfill; Cathodic Protection
3	Supt	24	"	Work; Unloading Re-steel delivery;
1	Q.C. Rep.	10	"	Cement Finishing Work; Stab. Slab work. (See Above)
3	Skilled	15	Arcadia Rebar	Tying reinforcing steel for new I-Wall. (See Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	yes	2	6	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
RAMEX ROLLER-COMPACTOR	—	yes	5	3	—
MKT Vibro Hammer V-5	—	no	0	8	—
Fiat-Allis MotorGrader	—	no	0	8	—
Mantis 3612 Crane	—	yes	6	2	—
Koehring 405 Crane	—	yes	8	2	—
J.S.W. Excavator	—	yes	2	6	—
Welding Machine	—	yes	2	6	—
Compressor + Sandblaster	—	no	0	8	—
Komatsu 200 Exc. #2	—	yes	4	4	—
6" diesel pump	—	no	0	8	—
Emu-300 Vib. Hammer	—	no	0	8	—
Bobcat Excavator	—	yes	3	5	—

MATERIALS RECEIVED

Received Reinforcing Steel for 18 monoliths (East Bank Mirabeau → Filmore Reach) from Calich Steel. Mill Cert's and Shop Drawings accompanied this delivery. Also rec'd. Steel for tie-in collars #1, #4, and #5.

Received 17 c.y. of concrete for East Mono #17, 8 c.y. of concrete for stabilization slab (E.B 98+30 to 97+95 complete), and 5.5 c.y. of concrete for stab. Slab (E. B 76+30 to 77+00). All material was Lafarge's Mix #44-c.

TESTS PERFORMED

(As required by plans/specifications)

BTK Construction tested concrete delivered by Lafarge Concrete Company today. Find the results attached to this report on the Concrete Field Data Summary Sheet. Test cylinders molded today will be delivered to the Govt. Lab tomorrow.

Delta Testing ran Nuclear Density and Sand Cone Verification Tests today on East Bank Structural Backfill. Find results attached to this report.

## INSPECTIONS PERFORMED

Nuclear Density Tests on Structural Backfill show that four out of seven sites passed, and three areas failed. Two of three failures were due to high moisture content. These areas will be worked again to dry out soil and re-compact at which time a re-test will be performed.

Inspected reinforcing steel delivery from Lufkin Steel Company today. Mill Certificates showed that all steel was made in U.S.A., and passed tensile strength testing. Bar sizes, lengths, and bends complied with shop drawing dimensions. No oil, dirt, or rust was found on the re-steel. Bundles of steel were tagged for count and identification of each bar listed on the delivery sheet. Upon inspection, no deficiencies were found.

Checked Stabilization slab work done today. Thickness was found to be 4" to 5". No standing water was present in excavated areas. Consolidation and finishing of concrete was acceptable.

## JOB SAFETY

(Note inspection, violations/actions taken)

New 4-way spreaders were received today for lifting crane mats, sheet piles, etc. Old set of spreaders was worn and use was discontinued for safety's sake.

Protective eye-wear was checked today. Welding personnel wore proper hood shield, with dark lenses for protection from arc-rays. Cement crew wore clear safety glasses while placing concrete today.

## REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry M. Justice

Authorized Q C Representative

11-2-95

Date

- New Orleans - (504) 486-5595
- Baton Rouge - (504) 356-4356
- Lake Charles - (318) 439-4158



# DELTA TESTING AND INSPECTION, INC.

## FIELD SUMMARY OF IN-SITU DENSITY TESTS

DTI 25-F

PROJECT <u>LONDON AVE CANAL</u>		DATE <u>11-1-95</u>	ORDER NO. <u>11507</u>
REPORTED TO <u>BVIC</u>	ENGINEER	CONTRACTOR <u>BVC</u>	
PROCTOR TEST METHOD <u>ASTM D698 - "A"</u>	THEORETICAL DRY DENSITY Lbs. Cu. Ft. <u>97.3</u>	OPTIMUM MOISTURE <u>22.6</u> %	
GENERAL AREA TESTED: <u>BACK FILL ALONG EAST FLOOD WALL - FLOOD SIDE</u>			

TEST NO.	FIELD MOISTURE PERCENT	FIELD DRY DENSITY LBS./CU.FT.	COMPACTION PERCENT	DPC	MFC	DEPTH OF TEST INCHES	LOCATION
1	32.3	90.0	72.0			8	STA 110+73 2ND LIFT
2	31.6	80.1	82.3			8	STA 115+05 2ND LIFT
3	22.4	85.5	87.9			8	STA 113+75 3RD FINAL LIFT
4	21.0	88.1	90.5 ✓			8	STA 107+10 2ND LIFT
5	20.0	99.1	101.9 ✓			8	STA 106+62 3RD FINAL LIFT
6	23.5	97.5	100.0 ✓			8	STA 105+75 3RD FINAL LIFT
7	27.5	91.9	94.2 ✓			8	STA 105+10 2ND LIFT

NUCLEAR GAGE SERIAL NO. 20615 DSC: \_\_\_\_\_ MSC: \_\_\_\_\_ **90 % REQUIRED**

ACKNOWLEDGED IN FIELD BY: <u>[Signature]</u>		COMPANY NAME <u>BVIC</u>	DATE <u>11/1/95</u>
TIME HOURS	MILES	TECHNICIAN <u>E NILLEN</u>	MATERIAL TESTED <u>BLACK CLAY</u>

REMARKS \_\_\_\_\_ DELTA TESTING & INSPECTION, INC.

B 8 CONSTRUCTION COMPANY, IN  
LONDON AVENUE CANAL FLOODWALL PROJECT  
CONCRETE FIELD DATA SUMMARY

DATE: 11-1-95

Pour Location East I-Wall Monolith #17; East Bank Stabilization  
Slab, Sta. 76+30 → 77+00, and 98+30 → 97+95.

Supplier - LAFARGE CONCRETE COMPANY

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

TICKET NO	TIME ARRVD	TIME CPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
287757	2:10	2:50	3.0 <sup>o</sup>	15 Gal	4.5 <sup>x</sup>	80° 84°	5.3	3	2:20	9
287774	2:55	3:39	2.0 <sup>o</sup>	25 Gal	5.0 <sup>x</sup>	82° 84°	5.0	-	3:10	8
287774	2:17	3:50	2.0 <sup>o</sup>	20 Gal	4.5 <sup>o</sup>	80° 83°	-	-	2:45	8
287804	4:10	5:05	4 <sup>o</sup>	—	4 <sup>o</sup>	81° 82°	—	—	4:20	5.5

REMARKS: Test Cylinder Set #LA-97

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

TECHNICIAN:  
Steve Thome

FOR 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 EAST # 17 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 11-1-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	11-1	1:50	Brogna	11-1	1:50
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	JmD	11-1	1:50	Brogna	11-1	1:50
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	11-1	1:55	Brogna	11-1	1:55
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmD	11-1	2:00	Brogna	11-1	2:00
CONDITION	✓	"	"	✓	"	"



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
FORMWORK (CONT)						
ALIGNMENT	Jmj	11-1	2:00	Brogna	11-1	2:00
CLEANLINESS	✓	"	"	"	"	"
RELEASING AGENT	✓	"	"	"	"	"
TIES AND BOLTS	✓	"	"	"	"	"
LENGTH 28.87'	✓	"	"	"	"	"
WIDTH 1.75'-1.00'	✓	"	"	"	"	"
HEIGHT 11.40'	✓	"	"	"	"	"
WATERSTOPS	✓	"	"	"	"	"
CHAMFER STRIPS	✓	"	"	"	"	"
WEATHER PROTECTION	Jmj	11-1	2:05	Brogna	11-1	2:05
SAFETY (LIST)	Jmj	11-1	2:05	Brogna	11-1	2:05
1. Eye Protection	✓	"	"	"	"	"
2. Ladder	✓	"	"	"	"	"
3. Scaffold	✓	"	"	"	"	"
OTHER CHECKS PER SPECIFIC JOB	Jmj	11-1	2:10	Brogna	2-10	2:10
FL340 Anchors	✓	"	"	"	"	"
EXP. MATERIAL	✓	"	"	"	"	"

EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	2:15	1.5				
Conc. Bucket	1	1 Cy.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
Generator	1	Multi-Quip	"	"				

REMARKS SLUMP = 4" 1/2 + 5" ; AIR ENTR. = 5.3% + 5.0% ; CONCRETE TEMPS = 80° + 82° ;  
AIR TEMPS = 84° + 84° ; 3 Test Cylinders (LA-97)  
**FINAL CLEARANCE**

CONTRACTOR REPRS: Jerry M. Justice C.O.E. REPRS: Bernard R Brogna

**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 OR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
227

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

DATE Tuesday  
31 October 95'

CONTRACT NUMBER  
DACW29-94-C-0079

WEATHER  
Cl dy

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

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

MINIMUM	MAXIMUM
62	78

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

24 HOUR PRECIPITATION	
INCHES Trace	ENDING 0730

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION	TOTAL	LABOR
1-1			1-10	2-11	

FEET	TIME
3.0'	0800

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
4-32	17-132	16-140	37-304	0730	1800				

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; DEMOLITION; STRUCTURAL BACKFILL
- b. ARCADIA REBAR- REINFORCEMENT
- 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. The contr readied and placed mono's #15, 20, and 100; removed existing cap from EB/L Sta's 75+35 to 75+80; installed one cathodic cable at joint between mono's 96-95; placed structural backfill from EB/L Sta's 118+00-119+05
- b. Set reinforcement for mono's #'s 17 bottom, 20 top, and pretied one top double mat.

Days of no work and reasons for same:

02,03,04, and 05 Oct 95 were 100% lost due adverse weather/wet ground conditions; 13 and 30 October 1995 were 50% lost as well.

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

Both contrs performed progressive work today.

PERCENT PROJECT COMPLETE: 43.0  
PERCENT TIME ELAPSED: 69.5%

DATE SET FOR COMPLETION: 11 May 95

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended today:  
CONCRETE FLOODWALL: See "Verbal Instructions" next page.  
SELECTIVE DEMOLITION: No instructions issued.  
STRUCTURAL BACKFILL: No instructions issued.  
REINFORCEMENT: No instructions issued.

Refer to PE Wagner's supplemental QA Report for today.

**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 made today:

**CONCRETE FLOODWALL:** The contr readied cleaned and oiled forms for mono's #15, 20, and 100. QAR and CQC made to required pre-placement checks (Form LMN 1246) and found all ready for placement. QAR witnessed the placement and testing--slump, air, etc.--for all three. The forms were properly aligned and plumbed. They were properly graded and adequately braced as well. The reinforcement including #6 cathodic bars were installed as shown on the drawings. The 3-bulb waterstops, chamfer strips, expansion material, and embedded items were properly installed. QAR observed wet curing of required mono's being performed with burlene blankets according to specifications. Dry packing of tie-rod holes, etc. was done within the required 24 hours. One cathodic cable was verified in-place at joint noted above; actual installation not observed. The 3000psi concrete was introduced into the forms through a tremee to limit drop and was well vibrated.

**DEMOLITION:** Existing concrete cat was cut at elevation +6.75 as required for flood protection; removed capwas loaded and removed from the site via tractor-trailor.

**STRUCTURAL BACKFILL:** QAR observed the contr compacting backfill with the Rammax Compacter and foot-pad type compacter. (CONTINUED)

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

QAR checked mono #101 and found it in compliance with specifications. QAR informed CQC Rep Jerry Justice to continue placing monoliths; ref. QAR #226.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

**INFORMATION, INSTRUCTIONS OR ACTIONS TAKEN NOT COVERED IN QCR REPORT OR DISAGREEMENTS.**  
The contr was issued a work deficiency; see attached copy.

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

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

NAMES	GOVERNMENT PERSONNEL ON SITE		DUTIES
	DESIGNATION	HRS. ON SITE	
Bernard R Brogna	Const. Insp., GS-07	9	QAR
Chris Wagner	Civ. Engr., GS-11	1	PE

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

Checked for <sup>use</sup> ~~site~~ of personal protective equipment, repair log for crane being maintained, use of tag lines, and general housekeeping. Except for housekeeping which the contr is working on, no other problems were noticed.

INSPECTOR'S SIGNATURE <i>Bernard R Brogna</i>	DATE 1 Nov 95	SUPERVISOR'S INITIALS <i>YW</i>	DATE 11/6/95
--	------------------	------------------------------------	-----------------

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

QAR# 227

DATE 31 Oct 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

(CONTINUED FROM page 1)

Embankment material was casted over the floodwall with a back-hoe and pushed into place with the bobcat. The 8" lifts were visually checked for consistency. QAR witnessed Delta testing taking Density tests; see CQC for results. QAR has observed the contr reworking portions of embankment with both compacters in preparation for re-testing.

REINFORCEMENT: Pre-tied mats were properly spaced, tied, and sized. Installed re-steel was clean, properly spaced, sized, located, and tied. Cathodic #6 bars were welded at each sheeppile as required.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:  
As previously noted.

REMARKS:  
None

*Bernard R Brogna*  
BERNARD R BROGNA

Inspector's Signature



# QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed setting of  
 central + alignment of forms for 2nd  
 monolith between Pump Sta. No. 4 + Filmore Ave.  
 Checked tolerances on 1st monolith in  
 area. Plumb bobs used + straight edge  
 used to check horizontal + vertical tolerances.  
 All were within the contract requirements.  
 Laborers continuing to rub T-wall surfaces  
 patching + repairing + filling all holes +  
 air voids

Instructions to COC/Remarks: Gave verbal approval to  
 Supt. M.K. Tassin + CQC rep Jerry  
 Justice to continue placing concrete after  
 muck-up panel was approved.

Chris Wagner Proj Engr  
 Name Title

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

DATE: 10/31/95

REPORT NO.: 281

SKIES: Cloudy - Pt. Cloudy RAIN: Trace IN. TEMP.: 62 MIN 78 MAX

DUST: None LEVEE CONDITION: Damp CANAL GAUGE: (3.0) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Demolished existing floodwall concrete cap from E. B. Sta. 75+35 to sta. 75+80. Established Temp. Flood Protection at the same time by cutting off three sheet piles at elev. +6.75. Wrecked forms at East Monoliths #18 and #13, and patched tie-bolt holes at East Mono. #13 today. Formed and poured concrete at East Monoliths #15 and #20 today (B&K personnel set top steel mat at East Mono. #15). Completed forming East Mono. #100, and poured concrete at East Mono. #100 today also. Installed one bond cable at East Mono. Joint #96-95. Cement finishers completed patching and repair work at East Mono's #101, #3, and #4 today. Structural backfill was placed and compacted from East B 118+00 to 119+05, Flood side, 1<sup>st</sup> and 2<sup>nd</sup> lifts today. (See Tests Performed for details.)

Arcadia Rebar - Tied btm. steel at East Mono. #17, and set top steel at East Mono. #20 today. Pre-tied one mat of top steel for future placement.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approximate)	COMPANY	LOCATION/WORK DESCRIPTION
16	Unskilled	140	B&K Const.	Reinforced Concrete Floodwall;
13	Skilled	120	"	Demolition of Concrete Cap;
3	Supt.	24	"	Temporary Flood Protection;
1	Q.C. Rep	8	"	Cathodic Protection Work;
				Cement Finishing Work. (See Above)
4	Skilled	12	Arcadia Rebar	Tying Re-steel for new I-Wall Monoliths (See Above)

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	2	6	—
Case 580 Backhoe #1	—	YES	3	5	—
Case 580 Backhoe #2	—	YES	4	4	—
RAMEX Roller Compactor	—	yes	4	4	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	YES	1	7	—
Mantis 3612 Crane	—	YES	6	2	—
Koehring 405 Crane	—	yes	8	2	—
J.S.W. Excavator	—	yes	3	5	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	yes	6	4	—
6" diesel pump	—	No	0	8	—
EMV-300 Vib. Hammer	—	No	0	8	—
Bobcat Excavator	—	yes	3	5	—

MATERIALS RECEIVED

From Lafarge Concrete: Received 17 c.y. of Mix 44-c for East Mono #15, 17 c.y. for East Mono. #20, and 20 c.y. of the same mix for East Mono. #100 today. Delivery tickets were furnished to the Government Inspector.

TESTS PERFORMED

(As required by plans/specifications)

Delta Testing ran Nuclear Density Tests today on Structural Backfill. Three tests passed at the following East B Flood side locations: Sta. 116+38; Sta. 114+38; and Sta. 112+00. Tests were done on the 2<sup>nd</sup> and 3<sup>rd</sup> lifts of backfill. Failed were all above 85% compaction, and they will be worked and Re-tested tomorrow.

B&K Construction performed concrete tests and inspections on Lafarge's Mix #44-c today. One test showed a low air content, but trucks before and after were within tolerance. (See attached Conc. Field Data Sheet.)



Inspected the concrete work done today on East Monoliths #15, #20, and #100. Placement of concrete was accomplished by using a 1.0 cu. bucket, a hopper, and trimmie trunks in three lengths (8', 5', and 3' long). The trunks helped to minimize vertical drop of concrete into forms to less than 5'. Layers of 18" thick each were placed and consolidated with an internal vibrator prior to placing the next lift. Each layer was placed and vibrated in the same manner.

Also inspected concrete I-wall monoliths as the forms were removed today. No forms were removed until at least 18 hours had passed since completion of the placement. No honeycombs or voids were found. No damage was done to concrete during form removal. Burlap blankets were placed over freshly placed concrete as soon as possible.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked ladders and scaffolds on I-Wall forms today. Ladders were in good shape and tied off to the scaffolds to prevent movement. Scaffold walk-boards were also in fair condition, and nailed down to the scaffold brackets. Hand rails, mid-rails, and toe-boards were in place and in good shape.

## REMARKS

(Instructions received, miscellaneous remarks)

Insp. Alex Bregna and Mr. Chris Wagner gave us the verbal approval of the 1st I-Wall monolith poured by the new crew (East Mono #101). Work may now proceed on the next monolith in this reach.

A deficiency was issued to B+K Construction by the Government for performing work after 6:00 PM on Friday 10-27-95. Corrective action is to not start concrete pours after 4:00 PM.

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 O C Representative

11-1-95  
Date

NOTICE OF CONTRACT DEFICIENCY

JOB DEFICIENCY NO. 002

SAME SUBJECT DEFICIENCY NO. 002

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

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

LOCATION:

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

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

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

NAME BERNARD R BROGNA

ISSUED TO: MICHAEL TASSIN

TITLE Quality Assurance Rep.

DATE ISSUED:

TIME ISSUED:

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

DATE: 10-31-95

Pour Location East I-Wall MOND/IFH #15, #100 + #20.

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.
①	287461	12:55	1:45	1.5°	26 Gal	4.0 <sup>x</sup>	75° 70°	5.5	-	1:10	9
②	287479	1:55	2:35	4.0°	0-	4.0°	74° 70°	-	-	2:00	8
③	287468	1:00	2:03	2.5°	15 Gal	3.25 <sup>x</sup>	76° 70°	2.5	3	1:35	10
④	287483	2:20	3:00	3.5°	10 Gal	4.5°	75° 70°	5.2	-	2:35	10
⑤	287506	3:22	4:10	3.0°	15 Gal	4.5°	74° 70°	-	-	3:35	9
⑥	287513	4:15	5:05	3.5°	10 Gal	4.5°	74° 70°	-	-	4:25	8

REMARKS: Test Cylinder Set #LA-96  
 Lafarge Conc. Co. (B.J. Eckholdt) was contacted about the Low  
 Entrained Air reading on the Truck shown Above as #③.  
 No Reason could be given by Lafarge as to why this happened.

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

TECHNICIAN:  
Steve Thome

FO  CHECK OUT FOR  STRUCTURE  REINFORCE CONCRETE FLOODWALL

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

MONOLITH East # 15 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 10-31-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	10-31	12:00	Brogra	10-31	12:00
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	10-31	12:00	Brogra	10-31	12:00
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	10-31	12:05	Brogra	10-31	12:05
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmD	10-31	12:10	Brogra	10-31	12:10
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	10-31	12:10	Broyna	12:10	12-31
CLEANLINESS	✓	10-31	"	✓	"	"
RELEASING AGENT	✓	10:31	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.87'	✓	"	"	✓	"	"
WIDTH 1.75-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmj	10-31	12:15	Broyna	12:15	10-31
G. SAFETY (LIST)	Jmj	10-31	12:15	Broyna	12:15	10-31
1. Ladder	✓	"	"	✓	"	"
2. Scaffold	✓	"	"	✓	"	"
3. Eye Protection	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	10-31	12:20	Broyna	12:20	10-31
Exp. Material	✓	"	"	✓	"	"
FL340 Anchors	✓	"	"	✓	"	"

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	12:55	1 1/2				
Conc. Bucket	1	l.c.y.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
Generator	1	multi-quip	"	"				

J. REMARKS  
 SLUMP = 4" ; AIR ENTR. = 5.5% ; CONCRETE TEMPS = 75° ;  
 AIR TEMPS = 70° ; 3 Test Cylinders (LA-96)

FINAL CLEARANCE  
 CONTRACTOR REPRS: *Jerry M Justice* C.O.E. REPRS: *Bernard R Broyna*

**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

LIFT NO.

ELEVATION

DATE OF POUR

East # 100

ONE

from 2.50 to 14.40

10-31-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmJ	10-31	11:00	Brogna	10-31	11:00
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	10-31	11:00	Brogna	10-31	11:00
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmJ	10-31	11:05	Brogna	10-31	11:05
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmJ	10-31	11:10	Brogna	10-31	11:10
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmg	10-31	11:10	Brogna	10-31	11:10
CLEANLINESS	✓	"	"	"	"	"
RELEASING AGENT	✓	"	"	"	"	"
TIES AND BOLTS	✓	"	"	"	"	"
LENGTH 28.40'	✓	"	"	"	"	"
WIDTH 225'-1.00'	✓	"	"	"	"	"
HEIGHT 11.90'	✓	"	"	"	"	"
WATERSTOPS	✓	"	"	"	"	"
CHAMFER STRIPS	✓	"	"	"	"	"
F. WEATHER PROTECTION	Jmg	10-31	11:15	Brogna	10-31	11:10
G. SAFETY (LIST)	Jmg	10-31	11:15	Brogna	10-31	11-10
1. Ladder	✓	"	"	"	"	"
2. Scaffold	✓	"	"	"	"	"
3. Rigging	✓	"	"	"	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	10-31	11:20	Brogna	10-31	10-31
Exp. Material	✓	"	"	"	"	"
FL340 Anchors	✓	"	"	"	"	"

I. EQUIPMENT USED	INSPECTED BY CONTRACTOR				REVIEWED BY C.O.E.			
	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis Crane	1	#36/2	1:00	2				
Concrete Bucket	1	1 c.y.	"	"				
Concrete Vibrator	1	18" Shaft	"	"				
Generator	1	Multi-Quip	"	"				

J. REMARKS SLUMP = 3 1/4" ; AIR ENTR. = 2.5% + 5.2% ; CONCRETE TEMPS = 76° ;  
AIR TEMPS = 70° ; 3 Test Cylinders (LA-96)

FINAL CLEARANCE  
CONTRACTOR REPRS: Jerry M Justice C.O.E. REPRS: Bernard R Brogna

**INSTRUCTIONS**  
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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  
 East # 20

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

10-31-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmb	10-31	2:50	Bugra	10-31	2:50
VERTICAL	✓	"	"	✓	"	"
ALIGNMENT	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmb	10-31	2:50	Bugra	10-31	2:50
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmb	10-31	2:55	Bugra	10-31	2:55
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	Jmb	10-31	3:00	Bugra	10-31	3:00
CONDITION	✓	"	"	✓	"	"



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmg	10-31	3:00	Bugra	10-31	3:00		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.88'	✓	"	"	✓	"	"		
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	Jmg	10-31	3:05	Bugra	10-31	3:05		
G. SAFETY (LIST)	Jmg	10-31	3:05	Bugra	10-31	3:05		
1. Ladder	✓	"	"	✓	"	"		
2. Scaffold	✓	"	"	✓	"	"		
3. Rigging	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	10-31	3:10	Bugra	10-31	3:10		
FL340 Anchor Bolts	✓	"	"	✓	"	"		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	3:25	1 1/2				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Multi-Quip	"	"				
J. REMARKS	SLUMP = 4 1/2" ; AIR ENTR. = 5.27% ; CONCRETE TEMPS = 74° ;							
	AIR TEMPS = 70° ; 3 Test Cylinders (LA-96)							
FINAL CLEARANCE								
CONTRACTOR REPRS:				C.O.E. REPRS:				
Jerry M. Justice				Bernard Bugra				
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

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

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
226

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

DATE A composit for the period  
28-30 Oct 95; Sat -Mon

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, Nanneville, La. 70448

WEATHER  
Cldy and Rainy

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION 50 %	BORROW EXCAVATION 50 %	EMBANKMENT 50 %	CONCRETE 50 %	STRUCTURE 50 %
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MINIMUM 60°	MAXIMUM 73°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

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

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 1-1	OFFICE	LAYOUT	INSPECTION 1-10	TOTAL 2-11	LABOR
--------------------	--------	--------	--------------------	---------------	-------

FEET 2.40'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 4-32½	SKILLED 16-126	LABORERS 15-130	TOTAL 35-288½	FROM 0730 M	TO 1800 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; SELECTIVE DEMOLITION; STRUCTURAL BACKFILL
- b. ARCADIA REBAR- REINFORCEMENT
- 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. The contr readied and placed mono #18, eastside; hauled existing cap from site and cut piles to elvation +6.74 for flood protect; placed structural backfill from EB/L Sta's 116+00 to 118+00 on the F/S. b Set reinforcement for mono #22 & 100 (bottoms) and pretied one top mat.

Days of no work and reasons for same.

02,03,04, and 05 Oct 95 were 100% lost due to adverse weather/wet ground conditions; 13 and 30 Oct 95 were 50% lost as well.  
28 and 29 Oct were unscheduled work days.

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

Both contr were hampered by the rain and slippery ground.

DATE SET FOR COMPLETION: 11 May 95

PERCENT PROJECT COMPLETE: 42.1%  
PERCENT TIME ELAPSED: 69.3%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended today:

- CONCRETE FLOODWALL: No instructions issued.
- SELECTIVE DEMOLITION: No instructions issued.
- STRUCTURAL BACKFILL: No instructions issued.
- REINFORCEMENT: No instructions issued.

Refer to PE Wagner's supplemental QA Report for today.

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 made today:

**CONCRETE FLOODWALL:** The contr readied clean and oiled forms for mono #18. The pre-placement inspection (form LMN 1226) for mono #18 was made and it was found ready to place; see attached for results. QAR observed the placement and required testing by contr personnel; see CQC Report for results. The forms were properly aligned, plumbed, graded, and adequately braced. The reinforcement and #6 cathodic bar was properly sized, spaced, located, tied, and/or welded at each sheetpile. The expansion material, 3-bulb-waterstop, chamfer strip, and embeded items were properly installed. The 3000psi concrete was introduced into the forms with a tremee to limit drop and was well vibrated. QAR observed wet curing with burlene blankets and timely dry-packing of tie-rod holes, etc., being performed according to specifications.

**STRUCTURAL BACKFILL:** QAR observed the contr casting fill material from the east embankment to the west side of the floodwall. The material was leveled into place with a bobcat and compacted with the Rammax compactor. The 8" lifts were visually checked for continuity. The footings were pumped free of standing water prior to introducing the fill material.

**DEMOLITION:** QAR observed the contr cutting sheetpiles of at elevation +6.75' and removing old concrete debris via tractor-trailor. (CONTINUED)

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

QAR and PE Wagner advised the contr not to place any more monoliths readied by the new crew until the mono #101 is inspected and approved. This is Al Stechman's crew working adjacent to pump Sta. #4. The contr agreed.

CONTROVERSIAL MATTERS IN DETAIL

NONE

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

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

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

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Chris Wagner	Civ. Engr., GS-11	1	PE
Bernard R Brogna	Const. Insp., GS-07	9	QAR

**SAFETY:** (include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective action taken.)  
 Checked for use of personal protective equipment. Checked for handrails, midrails, and toe-boards on scaffolding. No problems noted.

INSPECTOR'S SIGNATURE BERNARD R BROGNA	DATE 1 Nov '95	SUPERVISOR'S INITIALS gpd	DATE 11/15 11/6/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 226 \_\_\_\_\_

DATE Mon-30 Oct 95 \_\_\_\_\_

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:  
(CONTINUED FROM PAGE 1)

REINFORCEMENT: QAR observed the contr install rebar according to the shop drawings. The bars were properly spaced, sized, and tied for the pretied upper mat. The bars were properly spaced, sized, tied, located, and tied in the monoliths #22 and 100. Holes in sheetpiles for rebar are of proper size.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

See page 1.

REMARKS:

NONE

*Bernard R Brogna*  
BERNARD R BROGNA  
Inspector's Signature



## QUALITY ASSURANCE REPORT SUPPLEMENT

## OA Inspections Performed &amp; Results:

Observed concrete placement for mono # 18 near Mirabeau Ave. Survey controls used to monitor forms during placement. Witnessed taking of air & slump tests. Slump was 4.5" & air was 5.0%. Concrete was well vibrated when placed. All personnel wearing hard hats & safety shoes on-site.

## Instructions to COC/Remarks:

Instructed Supt. M.K. Tessier & CQC rep. Jerry Justice that 1st monolith (for new crew) must be finished completely & inspected prior to making next placement. This is considered their "mock-up panel". Both agreed with this.

Chris Wagner  
Name

Proj Engr  
Title

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

DATE: 10/30/95

REPORT NO.: 280

SKIES: cloudy - Rain

RAIN: 0.25 IN. TEMP.: 60° MIN 73° MAX

DUST: NONE

LEVEE CONDITION: Wet CANAL GAUGE: (2.4) NOISE: Moderate

WORK PERFORMED/LOCATION

B+K Construction - No Work Saturday or Sunday ;  
 Laborer wet walls + burlene for 7 day wet curing.

B+K Construction - Monday - Wrecked forms at East  
 I-Wall Monolith #16 and #101. Patched holes on East  
 Mono. #16, plus holes and defective concrete on #101. Set  
 forms and poured concrete at East Mono. #18 today.  
 (Wet soil + light rain stopped production of a 2nd Monolith)  
 Set Canal Side form at East Mono. #100, and top  
 steel mat, to be poured tomorrow. Cut holes for  
 rebar at East Monoliths #21 and #22. Cement finishers  
 patched East Mono. #101 today. Placed 1st and 2nd lifts  
 of Structural backfill from E. B sta. 116+00 to  
 118+00 (Flood Side). Demolished existing floodwall cap by cutting  
 off existing sheet piling at elev. +6.75 from East  
 B 74+90 to 75+35. Hauled off the concrete and  
 steel piling debris to be disposed of today.

Arcadia Rebar - Tied btm reinforcing steel at East  
 Monoliths #22 and #100. Also set top steel at East  
 Mono. #18, and pre-tied one mat for future placement.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approximate)	COMPANY	LOCATION/WORK DESCRIPTION
15	Unskilled	130	B+K Const	Reinforced concrete Floodwall;
12	Skilled	110	"	Demolition of Existing Floodwall;
3	Supt.	24	"	Structural Backfill; Finishing
1	Q.C. Rep.	8.5	"	I-wall concrete; Hauling off debris from demolition (See Above)
4	Skilled	16	Arcadia Rebar	- Tying Reinforcing steel for new I-wall monoliths. (See Above)

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	4	4	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
RAMEX ROLLER COMPACTOR	—	yes	5	3	—
MKT Vibro Hammer U-5	—	No	0	8	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	6	2	—
Koehring 405 Crane	—	yes	8	0	yes
J.S.W. Excavator	—	yes	2	6	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	yes	5	3	—
6" diesel pump	—	No	0	8	—
Emu-300 Vib. Hammer	—	No	0	8	—
Bobcat Excavator	—	yes	3	5	—

MATERIALS RECEIVED

Received 17 cubic yards of concrete (Mix #44-c) from Lafarge Concrete Company today. Placed this material in East F-Wall Monolith #18. Three test cylinders were molded from this material, and will be delivered to the Government Lab tomorrow or Wednesday morning.

TESTS PERFORMED

(As required by plans/specifications)

B&K Construction Company performed concrete tests and inspections on Mix #44-c delivered by Lafarge Concrete Company today. Results are attached to this report on the Concrete Field Data Summary Sheet.

Density Tests on Structural backfill will be done tomorrow, by Delta Testing.



Inspected East I-wall monolith #101 concrete surfaces and overall quality of work. No major surface defects were found, some air holes needed patching, and form joint lines needed to be chipped and patched as well. Cement finishing crew began working on repair of these items, and patched tie-bolt holes on Mono. #101. Waterstop and Anchor Bolts for FL340 feeder line were checked, and found to be properly imbedded in the concrete wall as required.

Checked wet curing of completed I-wall Monoliths today. Burlene blankets covered East Monoliths #101, #9, #11, #12, #13, #14, and #16. These walls and burlene blankets were wet upon my inspection at 2:00 PM today. A laborer was assigned to full time duty, to keep these walls covered and wet. No deficiencies were noted on this part of the work.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked bottles of pressurized oxygen and acetylene on the job site, and found all bottles to be upright and tied off. A Safety-Cart for oxygen/acetylene bottles was ordered today for Al Stechmann's crew, for ease of handling and moving cylinders as well as for safety's sake.

## REMARKS

(Instructions received, miscellaneous remarks)

Mr. Chris Wagner and Inspector Alex Brogna instructed us not to pour any more I-wall monoliths between Pump Sta. #4 and Filmore Ave. until the 1<sup>st</sup> wall can be inspected and approved (as a "mock-up" panel). Mr. Al Stechmann said that he would comply. A deficiency was issued by the Government to BTK Const. Co. for performing work after 6:00 PM (copies to follow).

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

10-31-95  
Date

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

LIFT NO.

ELEVATION

DATE OF POUR

East # 18

ONE

from 3.00 to 14.40

10-30-95

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	JmD	10-30	1:35	Brogna	10-30	1:35
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	10-30	1:35	Brogna	10-30	1:35
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	10-30	1:40	Brogna	10-30	1:40
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmD	10-30	1:45	Brogna	10-30	1:40
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmg	10-30	1:45	Brogna	10-30	1:45
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.88'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmg	10-30	1:50	Brogna	10-30	1:50
G. SAFETY (LIST)	Jmg	10-30	1:50	Brogna	10-30	1:50
1. Ladder	✓	"	"	✓	"	"
2. scaffold	✓	"	"	✓	"	"
3. Rigging	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	10-30	1:55	Brogna	10-30	1:55
FL340 Anchors	✓	"	"	✓	"	"

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	3:00	1 3/4				
Concrete Bucket	1	1 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Multi Quip	"	"				

J. REMARKS  
 SLUMP = 4 1/2" + 5" ; AIR ENTR. = 5.0% + 5.7% ; CONCRETE TEMPS = 70° + 71° ;  
 AIR TEMPS = 70° + 70° ; 3 Test Cylinders (LA-95)  
 FINAL CLEARANCE

CONTRACTOR REPRS: *Jerry M Justice* C.O.E. REPRS: *Bernard R Brogna*

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

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

DATE: 10-30-95

Pour Location East I-Wall Monolith # 18

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.	
287353	3:00	3:45	3.5°	10 Gal	4.5 <sup>x</sup>	70°	70°	5.0	3	3:20	9
287359	3:45	4:40	2.0°	20 Gal	5.0 <sup>x</sup>	71°	70°	5.7	-	4:00	8

REMARKS: Test Cylinder Set # LA-95

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  
225

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

DATE Friday  
27 Oct 95

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

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 64°	MAXIMUM 83°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION  
INCHES 0.10" ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-12	TOTAL 1-12	LABOR
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FEET 2.60'	TIME 0800
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1  2  3

SUPERVISORY 4-38	SKILLED 17-146	LABORERS 16-140	TOTAL 37-324
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FROM 0730 M	TO 1800 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; SELECTIVE DEMOLITION; STRUCTURAL BACKFILL
- b. ARCADIA REBAR- REINFORCEMENT
- 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 The contr readied and placed mono's #101 & 13; placed stab. slab from EB/L Sta's 75+75 to 76+30 and 98+60 to 98+30; removed existing concrete cap from EB/L Sta's 74+10-74+90; placed structural backfill from EB/L Sta's 114+00-116+00; installed one cathodic cable at joint of east mono's 97-96. b Set reinforcement for mono's #15 & 20 (bottom) and pre-tied two upper double mats.

Days of no work and reasons for same:

02,03,04, and 05 Oct 95 were 100% lost due to adverse weather/wet ground conditions; 13 Oct 95 was 50% lost as well.

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

Both B&K and Arcadia Rebar performed progressive work today.

DATE SET FOR COMPLETION: 11 May 95

PERCENT PROJECT COMPLETE: 42.0%

PERCENT TIME ELAPSED: 68.9%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended today.  
**CONCRETE FLOODWALL:** See "Verbal Instructions" on next page.  
**SELECTIVE DEMOLITION:** No instructions issued.  
**STRUCTURAL BACKFILL:** No instructions issued.  
**REINFORCEMENT:** See "Verbal Instructions on next page."

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 made:

CONCRETE FLOODWALL: Forms were readied and mono's #101 & 13 were placed. QAR witnessed the placement and testing of these monoliths by contr personnel. See attached for results. QAR and CQC performed the pre-placement checkout (Form LMN 1246) and found them ready; see "Verbal Instructions" below. The forms were properly aligned and graded. They were plumb and adequately braced. The reinforcement was properly sized, located, spaced, tied, and cleaned. The 3-bulb waterstop, expansion material, chamfer strips, and embedded items were properly installed. The 3000psi concrete was introduced into the forms through a tremee to limit drop and was well vibrated. QAR observed the contr wet curing I-walls with burlene blankets and dry-packing tie-rod holes as specified in the contract. Stabilization slab was placed into 4" screeds and floated off at the appropriate elevations. The 300psi concrete was placed in-the-dry. Cathodic bars were welded at each sheetpile as required. Cut holes in sheetpile are in accordance with specifications. QAR observed the proper cadwelding of one cathodic cable.

SELECTIVE DEMOLITION: Existing concrete cap was removed in 20'+ sections and the sheetpiles were cut at elevation +6.75 as required.

(CONTINUED)

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

CQC Rep Jerry Justice was told that the reinforcement clearances for mono #101 were improper and not to make the placement until corrections were made. He agreed with our findings. The forms were opened and the adjustments were made.

CQC Rep Jerry Justice and Superintendent Al Stechmann were told not to work past 6:00 p.m.; note Special Clause H-23.

CQC Jerry Justice was told to ensure that no more that 300' of existing floodwall is opened at any time. He agreed.

CONTROVERSIAL MATTERS IN DETAIL

NONE

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

The contr worked until approximately 8:30 p.m. today.

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

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

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
BERNARD R BROGNA	Const. Insp., GS-07	11	QAR

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

Checked for sue of personal protective equipment, rigging, and slings. No problems noted.

INSPECTOR'S SIGNATURE BERNARD R BROGNA	DATE 30 Oct 95	SUPERVISOR'S INITIALS yew	DATE 11/3/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 225

DATE 27 oct 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:  
(CONTINUED FROM PAGE 1)

REINFORCEMENT: QAR observed the reinforcement being tied in accordance with shop drawings. Cathodic #6 rebar was welded at each sheetpile as required, bars were continuous except for the formed bars at each end. Tied steel was correctly sized, spaced, cleaned, located, and tied; pre-tied steel was properly sized, and spaced.

STRUCTURAL BACKFILL: QAR observed the contractor placing compacted lifts along the east face of the west floodwall. The 8" lifts were made of fill material from the westside embankment. The material was casted over the floodwall with the backhoe, pushed into place with the bobcat, and compacted with the Rammax Compactor. Lifts were checked visually for consistency of workmanship. QAR witnessed Delta Testing taking compaction Density Tests: see CQC Report for results. Areas that failed shall be reworked and tested.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:  
See page 1.

REMARKS:  
NONE

  
BERNARD R. BROGNA

Inspector's Signature



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

DATE: 10/27/95

REPORT NO.: 279

SKIES: cloudy - Drizzle RAIN: 0.10 IN. TEMP.: 64 MIN 83 MAX

DUST: None LEVEE CONDITION: Damp CANAL GAUGE: (2.6) NOISE: Moderate

WORK PERFORMED/LOCATION

B+k Construction - Wrecked forms at East Monolith #11, then patched tie-bolt holes and covered with burlene. Set up forms, and set top re-steel mat at East Mono. #13. Poured concrete at East monolith #13, and at stabilization slab, East of Sta. 75+75 to 76+30. Demolished existing floodwall and established Temp. Flood Protection by cutting off existing sheets at elev. +6.75 from E. of Sta. 74+10 to sta. 74+90. Cut holes for rebar in CZ-101 sheets at East Mono. #20 and #21, welded #6 Rebar (Bond Bars) on top of CZ-101 sheets at East Mono. #17 through East Mono. #25. Cement finishers worked on E. Mono #3 and #4 surfaces.

Also set forms and poured concrete at East Mono. #101 today. Also poured stabilization slab from East of Sta. 98+60 to 98+30 (Land side of sheets only). Installed one bond cable at East Mono. Joint #97-96. B+k had to set top steel mat with their personnel (in the absence of Arcadia Rebar at East Mono #101. Placed 1<sup>st</sup> and 2<sup>nd</sup> Lifts of Flood Side Structural backfill from E. of Sta. 114+00 to 116+00, and continued compaction work.

② Arcadia Rebar - Tied re-steel at East Mono. #15 and #20 (bottom steel only). Pre-tied 2 more mats of steel for future placement in I-wall stems.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approximate)	COMPANY	LOCATION/WORK DESCRIPTION
16	Unskilled	140	B+k Const.	Reinforced Concrete Floodwall;
13	Skilled	130	"	Demolition of Existing Floodwall;
3	Supt.	26	"	Temp. Flood Protection;
1	Q.C. Rep.	12	"	Cement finishing Repair Work; Cathodic Protection; Re-steel Placement.
4	Skilled	16	Arcadia Rebar	Tying reinforcing steel for I-wall Monoliths. (see Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	2	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	3	5	—
Case 580 Backhoe #1	—	yes	4	6	—
Case 580 Backhoe #2	—	yes	3	7	—
RAMEX ROLLER COMPACTOR	—	yes	6	2	—
MKT Vibro Hammer V-5	—	No	0	8	—
Fiat-Allis Motor Grader	—	yes	2	8	—
Mantis 3612 Crane	—	yes	10	2	—
Koehring 405 Crane	—	yes	8	2	—
J.S.W. Excavator	—	yes	3	7	—
Welding Machine	—	yes	3	7	—
Compressor + Sandblaster	—	No	0	10	—
Komatsu 200 Exc. #2	—	yes	6	4	—
6" diesel pump	—	No	0	8	—
EMU-300 Vib. Hammer	—	No	0	8	—
Bobcat Excavator	—	yes	4	4	—

MATERIALS RECEIVED

Received 17 cubic yards of concrete (Mix #44-C) from Lafarge Conc. Co. today, for East Monolith #13, and 3.5 cubic yards of the same material for East Bank Stabilization Slab (Station 75+75 to Sta. 76+30). Also received 18 cubic yards of Mix #44-C for East Monolith #101 today. A 9 cubic yard truck was wasted due to the time being expired (over 90 minutes). Approx. 2 cubic yards from this truck was used for stab. slab, East @ 98+60 to 98+30. TESTS PERFORMED

(As required by plans/specifications)

Delta Testing performed Nuclear Density Tests on Struct. Backfill, Flood Side, 1<sup>st</sup> and 2<sup>nd</sup> Lifts. One test passed at 90.4% density (E.B. 109+90, 2<sup>nd</sup> Lift). All others failed to make 90% of maximum dry density, but were over 80%. These areas will be compacted again with the RAMEX Roller Compactor and then re-tested.

BTK Const. Co. personnel tested and inspected concrete delivered by Lafarge Conc. Company today. Find results attached on the Concrete Field Data Summary Sheet.

## INSPECTIONS PERFORMED

Inspected the Temporary Flood Protection on the East Bank today. Existing sheet piles were cut off at elev. +6.75 to elev. +7.00 with an oxygen-acetylene torch. Tie-ins were checked and found to be water tight connections. No Gaps or breaks in Flood Protection were found below elev. +6.75.

Also checked structural backfill placement methods. Water was pumped out of the excavated area, then all construction debris was removed. Existing soil from struct. excavation was placed in 8" thick layers and compacted with the Ramex Rolled Compactor. Tests on the density of these lifts done today did not pass, with one exception. There compactive effort will be applied to the failed areas and then re-tests will be performed next week, weather permitting.

## JOB SAFETY

(Note inspection, violations/actions taken)

Purchased safety glasses for cement finishing crew, Foremen and Supt's were notified that these glasses were available in the office, and that eye protection is mandatory while placing concrete.

Checked fuel dike in the Pratt Drive Staging area. No breaks or gaps were found in the protective dike. Fire extinguisher was mounted approx. 50' away.

## REMARKS

(Instructions received, miscellaneous remarks)

Received verbal instructions from Inspector Alex Brogna today not to demolish any additional floodwall until we have our gap opening less than 300 lf. This 300 lf. maximum gap includes any area job-wide where protection is below elev. +11.50. These instructions were communicated to Project Supt. Mike Tassin today.

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

Jerry Justice

Authorized Q C Representative

10-30-95

Date

(B+K Construction)  
Q.C. Daily Report  
10-27-95

## Verbal Instructions Received

Project Inspector Alex Brogna found rebar clearance unacceptable on East I-Wall Monolith #101 upon inspection today. He instructed me and Supt. AL Stechmann not to place any concrete until this problem was corrected. The form was taken apart, and the steel was shifted and tied off to correct the clearances at all points. After the forms were set back into position, Insp. Brogna and myself checked clearances and were satisfied with the steel in its final position.

Inspector Brogna also reminded Supt. Stechmann that it is a violation of the contract to allow work after 6:00 PM on this job (see spec. Section H-23). Mr. Stechmann was aware of this contract requirement. MR. Brogna stated that a deficiency would be issued if work continued past 6:00 PM.

Jerry Justice  
Q.C. Representative  
B+K Construction

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

DATE: 10-27-95

Pour Location East I-Wall Monolith #13 and #101, plus East Bank Stabilization Slab 75+75 to 76+40

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C

Required Strength 3000 psi at 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.
287090	1:00	2:00	1.5°	28 Gal	4.5 <sup>x</sup>	83° 82°	6.0	3	1:20	9
287109	2:09	3:28	3.5°	10 Gal	4.5°	80° 82°	-	-	2:25	8
287151	5:09	6:00	2.0°	23 Gal	4.5°	84° 80°	-	-	6:00	9
287154	6:20	8:00	1.0°	30 Gal	2.75 <sup>x</sup>	83° 79°	5.0	-	6:30	9
287145	4:08	4:30	3.0°	5 Gal	4.5°	80° 82°	-	-	4:15	3.5

REMARKS: Test Cylinder Set #LA-94

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

TECHNICIAN: Steve Thorne

FORM CHECK OUT FOR

STRUCTURES REINFORCE  CONCRETE FLOODWALL

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

CONTRACT NO.  
 DACW29-94-C-0079

MONOLITH  
 East # 13

LIFT NO.  
 ONE

ELEVATION  
 from 3.00 to 14.40

DATE OF POUR  
 10-27-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	10-27-95	12:15	Bernall	12:15	10-27
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	10-27	12:15	Bryce	12:15	10-27
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	10-27	12:20	Bryce	12:20	10-27
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	Jmj	10-27	12:25	Bryce	12:25	10-27
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmg	10-27	12:25	Buzza	10-27	12:25		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.88'	✓	"	"	✓	"	"		
WIDTH 1.75-1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	Jmg	10-27	12:30	Buzza	10-27	12:30		
G. SAFETY (LIST)	Jmg	10-27	12:30	Buzza	10-27	12:30		
1. Eye Protection	✓	"	"	✓	"	"		
2. Ladder	✓	"	"	✓	"	"		
3. Scaffold	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	10-27	12:35	Buzza	10-27	12:35		
FL340 Anchors	✓	"	"	✓	"	"		
Exp. Material	✓	"	"	✓	"	"		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	1:00	2 1/2				
Concrete Bucket	1	1 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Multi-Quip	"	"				
J. REMARKS	SLUMP = 4 1/2" ; AIR ENTR. = 6.0% ; CONCRETE TEMPS = 83° ; AIR TEMPS = 82° ; 3 Test Cylinders (LA-94) <b>FINAL CLEARANCE</b>							
CONTRACTOR REPRS:	Jerry M. Justice			C.O.E. REPRS:				Bernard Buzza
<b>INSTRUCTIONS</b>								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

FOR 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 East # 101 LIFT NO. ONE ELEVATION from 2.50 to 14.40 DATE OF POUR 10-27-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	10-27	2:00	Brogna	10-27	2:00
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	10-27	2:00	Brogna	10-27	2:00
CLEANLINESS	✓	"	"	✓	"	✓
WATERED	✓	"	"	✓	"	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	10-27	2:05	Brogna	10-27	2:05 4:45
VERTICAL	✓	"	"	✓	"	✓
HORIZONTAL	✓	"	"	✓	"	✓
SPACING	✓	"	"	✓	"	✓
CLEARANCES	✓	"	"	✓ 4:45pm	"	"
STEEL SCHEDULE	✓	"	"	✓	"	✓
SHOP DRAWINGS	✓	"	"	✓	"	✓
TIE WIRES	✓	"	"	✓	"	✓
#6 BAR WELDED	✓	"	"	✓	"	✓
CLEANLINESS	✓	"	"	✓	"	✓
WATERED	✓	"	"	✓	"	✓
E. FORMWORK	Jmg	10-27	2:10	Brogna	10-27	4:45
CONDITION	✓	"	"	✓	"	"



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	10-27	2:10	Brogna	10-27	4:55
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.40'	✓	"	"	✓	"	"
WIDTH 2.25'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.90'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmj	10-27	2:15	Brogna	10-27	4:55
G. SAFETY (LIST)	Jmj	10-27	2:15	Brogna	10-27	4:55
1. Eye Protection	✓	"	"	✓	"	"
2. Ladder	✓	"	"	✓	"	"
3. Scaffold	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	10-27	2:20	Brogna	10-27	4:55
FL340 Anchor Bolts	✓	"	"	✓	"	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Mantis 3612	1	CRANE	5:10	3 hrs.				
Concrete Bucket	1	1.5 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Portable	"	"				

J. REMARKS SLUMP = 3 3/4" ; AIR ENTR. = 5.0% ; CONCRETE TEMPS = 83° ;  
 AIR TEMPS = 79° ; 3 Test Cylinders (LA-94)

FINAL CLEARANCE  
 CONTRACTOR REPRS: Jerry M. Justice C.O.E. REPRS: Bernard Brogna

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

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

THE QCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
224

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

DATE Thursday  
26 October 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  
Ptty Cldy

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

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

MINIMUM 67	MAXIMUM 86
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

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

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 1-2	OFFICE	LAYOUT	INSPECTION 1-8	TOTAL 1-10	LABOR
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FEET 2.60'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 4-38.5	SKILLED 17-148	LABORERS 16-130	TOTAL 37-316½	FROM 0730 M	TO 1800 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; STRUCTURAL EXCAVATION AND BACKFILL; Demolition
- b. ARCACIA REBAR - REINFORCEMENT
- 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. Readied and placed mono's #11 & 16; formed and placed stabilization slab from EB/L Sta's 75+50-75+75; removed existing concrete cap from EB/L Sta. 74+10-74+50; placed structural backfill from EB/L Sta's 111+00-114+00 on the F/S; finished imperfections on mono's #1 & 2 on the east side. b. Set reinforcement for mono's #13 & 18 (bottoms) and pre-tied two upper mats.

Days of no work and reasons for same:

02,03,04, and 05 Oct 95 were 100% lost due to adverse weather/wet ground conditions; 13 Oct 95 was 50% lost as well.

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

Both contrs performed progressive work today.

DATE SET FOR COMPLETION: 11 May 95

PERCENT PROJECT COMPLETE: 42.0%

PERCENT TIME ELAPSED: 68.6%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC inspection phases were attended today:  
**CONCRETE FLOODWALL:** See "Verbal Instructions" on next page.  
**STRUCTURAL EXCAVATION AND BACKFILL:** No instructions issued.  
**SELECTIVE DEMOLITION:** No instructions issued.  
**REINFORCEMENT:** NO instructions issued.

Refer to PE Wagner's supplemental QA Report for today.

**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 made today:

CONCRETE FLOODWALL: The contr readied and placed east mono's #11 and 16. The pre-placement inspection (Form LMN 1246) was made and approved. QAR witnessed the placement and testing; see attached CQC Report and LMN 1246 for details. The forms were found properly aligned, graded, and adequately braced. The reinforcement was properly sized, spaced, located, tied, and cleaned. The #6 cathodic bar was welded to each sheet as required. The reinforcement was set according to the shop drawings. The 3-bulb waterstop, expansion material, chamferstrips, and embeded items were in-place. Wet curing with burlene blankets was performed as required today. Tie-rod holes and 1/2 inch or larger bug holes were worked on within the 24 hour period as required. Stab. slab was floated at elevation as shown on plans after being introduced into 4" screed forms. Slab was placed in the dry.

REINFORCEMENT: QAR found the reinforcement tied according to shop drawings and specifications. Cathodic re-bar was welded to #17,18, and 19 mono's at each sheet as required.

SELECTIVE DEMOLITION: Existing cap was removed from sheets at elevation +6.75' as required. Cap was removed in large sections and loaded onto tractor-trailors for removal from the site.

(CONTINUED)

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

Refer to PE Wagner's supplemental for his instructions regarding the cutting of two AZ-18's adjacent to mono #101 on the east embankment.

**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>
Chris Wagner	Civ. Engr., GS-11	2	PE
Bernard R Brogna	Const. insp., GS-07	7	QAR

**SAFETY:** (include any infractions of approved safety plan, safety manual or instructions from Government personnel. Specify corrective action taken.)  
Checked for use of personal protective equipment. no problems noted.

INSPECTOR'S SIGNATURE  
BERNARD R BROGNA

DATE  
27 Oct 95

SUPERVISOR'S INITIALS

DATE

*Yw*

*11/15*

*11/1/95*

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

QAR# 224

DATE Thu-26 Oct 95

**QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:**

(CONTIUNUED FROM PAGE 1)

**STRUCTURAL EXCAVATION AND BACKFILL:** QAR observed the contr compacting fill in the reach mentioned above. The 8" lifts were spread with the bobcat and compacted with the **Rammex compactor**. The backhoe casted fill from the embankment over the I-Wall to the floodside where it was graded and compacted. The lifts were visually cheked for consistency. QAR witnessed Delta Testing taking compaction tests. See QQC for results. One of the tests failed. This reach shall be re-worked and re-tested.

**VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:**

See page 1.

**REMARKS:**

NONE

  
BERNARD R BROGNA

Inspector's Signature



## QUALITY ASSURANCE REPORT SUPPLEMENT

OA Inspections Performed & Results: Observed backfilling behind I-wall between R.E. Lane & Pump Sta. No. 4. Material was cast over the wall, spread with dozer & compacted with vibratory compactor. Witnessed taking of compaction tests using nuclear density gauge. (See attached CQC report for results). Observed personnel forming & setting forms for first I-wall monolith between Filmore & Pump Sta. #4.

Instructions to CQC/Remarks: Informed Supt. M.K. Tassin & CQC rep Jerry Justice that it would be O.K. to cut existing sheet piling (1 pair) to allow them to form & set bulkhead near Pumping Sta. No. 4. with the condition that they resealed sheets back together after forms are removed.

Chris J. Wagner  
Name

Proj Engr  
Title

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

DATE: 10-26-95

Pour Location East I-Wall Monolith #11 and #16, and  
Stabilization Slab, East of 75+50 → 75+75.

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C

Required Strength 3000 psi  
at 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.
286845	1:53	2:30	3.0°	10 Gal	4.5 <sup>x</sup>	79° 81°	5.5	3	2:20	9
286867	2:55	4:08	4.0°	8 Gal	5.0°	80° 81°	-	-	3:15	9
286882	4:08	4:54	4.0°	10 Gal	5.0 <sup>x</sup>	79° 81°	5.2	-	4:40	9
286905	5:08	6:00	4.5°	-0-	4.5°	80° 81°	-	-	5:20	7
286923	6:42	6:50	3.0°	5 Gal	5.0°	80° 80°	-	-	6:45	2

REMARKS: Test Cylinder Set #LA-93

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: 10/26/95

REPORT NO.: 278

SKIES: Cloudy

RAIN: 0

IN. TEMP.: 67 MIN 86 MAX

DUST: Minimal

LEEVE CONDITION: Dry

CANAL GAUGE: (2.6) NOISE: Moderate

WORK PERFORMED/LOCATION

①

B+K Construction - Wrecked forms at East Mono. #14 today, patched tie-bolt holes and covered this wall with burlene. Completed forming E. Mono #11, set forms and top Re-steel at E. Mono #16. Poured concrete at East I-Wall Monoliths #11 and #16 today. Formed and poured stabilization slab from E. B Sta. 75+50 to 75+75. Demolished existing floodwall and established Temporary Flood Protection at the same time by cutting off existing sheet piles at elev +6.75 from E. B Sta. 74+10 to 74+50. Hauled off this concrete and sheet pile scrap today for disposal. Cut holes for rebar at East Monoliths #17, #18, and #19. Welded #6 Rebar at East Mono. #17, #18, and #19 (bond bars for cathodic prot.). Set Canal side form at East Mono. #101. Performed Flood Side structural backfill from East B Sta. 111+00 to 114+00, 1<sup>st</sup> and 2<sup>nd</sup> lifts. Continued compactive efforts on previously placed backfill. Cement finishers patched concrete surfaces at East Mono's #2 and #3, finished stab. slab and I-wall concrete. Laborers cut grass and continued cleanup work.

② Arcadia Rebar - Tied reinforcing steel at East Monoliths #13 and #18 (bttm only). Pre-tied 2 more mats of re-steel for future placement in I-Wall stems.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS (Approximate)	COMPANY	LOCATION/WORK DESCRIPTION
16	Unskilled	130	B+K Const.	Reinforced Concrete Floodwall;
13	Skilled	120	"	Demolition of Existing Floodwall;
3	Supt.	28	"	Temp. Flood Protection;
1	Q.C. Rep.	10.5	"	Structural Backfill & Compaction;
				Cement finishing; Survey/Layout of work; Cleanup & Grass Cutting. (see Above)
4	Skilled	28	Arcadia Rebar	Tying Re-steel for I-wall construction. (see Above)



QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	2	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	4	4	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
RAMEX Roller-Compactor	—	yes	5	3	—
MKT Vibro Hammer V-5	—	NO	0	8	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	6	2	—
Koehring 405 Crane	—	yes	8	2	—
J.S.W. Excavator	—	yes	3	5	—
Welding Machine	—	yes	2	6	—
Compressor + Sandblaster	—	NO	0	8	—
Komatsu 200 Exc. #2	—	yes	4	4	—
6" diesel pump	—	NO	0	8	—
Emv-300 Vib. Hammer	—	NO	0	8	—
Bobcat Excavator	—	yes	5	3	—

MATERIALS RECEIVED

Received 34 Cu. yards of Concrete, mix #44-c, from Lafarge Concrete Company today. Placed half of this material in East Monolith #11, and half in East Mono #16. Also received 2 cubic yards of the same material for placement in East Bank Stabilization slab, station 75+50 to 75+75.

TESTS PERFORMED

(As required by plans/specifications)

B+K Const. personnel performed concrete tests and inspections on mix #44-c material delivered by Lafarge Conc. Co. today. Find results of these tests attached to this report on the Concrete Field Data Summary Sheet. Cylinders molded today will be delivered to the Government Lab on Friday of this week.

Nuclear density tests done by Delta Testing on Flood Side Struct. Backfill passed at sta. 108+66, but failed at sta. 106+93. Moisture contents were all below opt. moisture by more than 3%. Re-test will be done tomorrow, after moisture problem is corrected (rain expected).

Inspected the formwork on I-wall concrete work today. Form condition was fair to good; forms were clean and oiled, fractured fin form liner was in good shape and also properly oiled. Alignment of forms was controlled by setting form bottoms to chalk lines set from  $\pm$  offset lines established on slab. Slab by field engineer. Plumb bobs on each end of the form panel were used to set forms to plumb, and a string-line on top of the form was used to keep the middle section in proper alignment. No problems or deficiencies were observed on today's concrete pour.

Also checked the structural backfill procedures on the East Bank, Flood Side, Station 111+00 to 114+00. All water was pumped out of the struct. excavation, then all debris was removed from the backfill area. Soil from struct. excavation was then placed in 8" layers and compacted by the Ramex Roller Compactor, each lift at a time. Nuclear density tests did not pass in 3 out of 4 places tested. This area will be reworked and then re-tested tomorrow.

## JOB SAFETY

(Note inspection, violations/actions taken)

Operators were reminded to make daily inspections of their cranes, backhoes, etc. prior to initial start up and operation. Any mechanical problems or defects should be reported to their supervisor immediately. No equipment should be used that has a safety related problem or defect until the problem has been corrected.

## REMARKS

(Instructions received, miscellaneous remarks)

Received verbal approval to cut off existing AZ-18 sheet pile pair (E. Bank Sta. 99+69 to 99+73 approx.) to allow forms and bulkhead to be set on E. Mono. #101. The cut-off piece may have to be welded back in place along the horizontal cut line to attach the neoprene rubber that connects new I-wall to existing sheet pile at this location (North end of East Monolith #101).

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

10-27-95

Date

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 East # 11 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 10-26-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmg	10-26	1:00	Brogna	10-26	1:00
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	10-26	1:00	Brogna	10-26	1:00
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmg	10-26	1:05	Brogna	10-26	1:05
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	Jmg	10-26	1:05	Brogna	10-26	1:05
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	Jmj	10-26	1:10	Brogna	10-26	1:10		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.88'	✓	"	"	✓	"	"		
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	Jmj	10-26	1:10	Brogna	10-26	1:10		
G. SAFETY (LIST)	Jmj	10-26	1:10	Brogna	10-26	1:10		
1. Eye Protection	✓	"	"	✓	"	"		
2. Ladder	✓	"	"	✓	"	"		
3. Scaffolds	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	10-26	1:15	Brogna	10-26	1:15		
FL340 Anchor Bolts	✓	"	"	✓	"	"		
Expansion Material	✓	"	"	✓	"	"		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Koehring 405	1	Crane	1:55	2 1/4				
Concrete Bucket	1	1 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Multi-Quip	"	"				
J. REMARKS	SLUMP = 4 1/2" ; AIR ENTR. = 5.5% ; CONCRETE TEMPS = 79° ;							
	AIR TEMPS = 81° ; 3 Test Cylinders (LA-93)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:				C.O.E. REPRS:				
Jerry M. Justice				Bernard Brogna				
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

 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

East 16

ONE

from 3.00 to 14.40

10-26-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	10-26	3:00	Brogra	26 Oct	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	JmD	10-26	3:00	Brogra	26 Oct	1235
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	10-26	3:05	Brogra	26 Oct	1235
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	JmD	10-26	3:10	Brogra	26 Oct	1245
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmg	10-26	3:10	Brogna	26 Oct	12:45
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.87'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmg	10-26	3:15	Brogna	26 Oct	12:50
G. SAFETY (LIST)	Jmg	10-26	3:15	Brogna	26 Oct	12:50
1. Eye Protection	✓	"	"	✓	"	"
2. Ladder	✓	"	"	✓	"	"
3. Scaffolds	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	10-26	3:20	Brogna	26 Oct	12:50
FL340 Anchor Bolts	✓	"	"	✓	"	"

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Koehring 405	1	Crane	4:10	174				
Concrete Bucket	1	1 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Multi-Quip	"	"				

J. REMARKS  
 SLUMP = 5" ; AIR ENTR. = 5.2% ; CONCRETE TEMPS = 79° ;  
 AIR TEMPS = 81° ; 3 Test Cylinders (LA-93)

FINAL CLEARANCE  
 CONTRACTOR REPRS: Jerry M Justice  
 C.O.E. REPRS: Bernard R Brogna

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

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER

223

TO Area Engineer,  
CELMN-CD-NO

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

DATE

Wednesday  
25 October 95

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

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 1-1	OFFICE	LAYOUT	INSPECTION 2-10	TOTAL 2-11	LABOR
--------------------	--------	--------	--------------------	---------------	-------

FEET 2.40'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1  2  3

SUPERVISORY 4-37	SKILLED 15-144	LABORERS 16-148	TOTAL 35-317	FROM 0730 M	TO 1800 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; SELECTIVE DEMOLITION; STRUCTURAL BACKFILL;
- b. ARCADIA REBAR- REINFORCEMENT
- 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. Readied and placed east mono #14; removed existing concrete cap from EB/L Sta's 73+40 to 74+10; formed and placed stab. slab from EB/L Sta's 74+50-75+50 and 99+30-98+60; partially readied mono #11, forms and re-stell; began finishing on east east mono #2; placed structural backfill from EB/L sta's 102+67-111+00 on the F/S; reworked the backfill on the P/S EB/L Sta. 116+00. b. set reinforcement for mono's #11 & 16, bottom, #14, top, and one pre-tied matt.

Days of no work and reasons for same:

02,03,04, and 05 Oct 95 were 100% lost due to adverse weather/wet ground conditions; 13 Oct 95 was 50% lost as well.

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

Both K&B and Arcadia performed progressive work today.

DATE SET FOR COMPLETION: 11 May 95

PERCENT PROJECT COMPLETE: 41.8%

PERCENT TIME ELAPSED: 68.6%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended today:

- CONCRETE FLOODWALL: No instructions issued.
- SELECTIVE DEMOLITION: No instructions issued.
- STRUCTURAL BACKFILL: No instructions issued.
- REINFORCEMENT: No instructions issued.

Refer to PE Wagner's supplemental QA report for today.

**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 today:  
**CONCRETE FLOODWALL:** Cleaned and oiled forms were readied for mono #14. The Pre-placement checkout (Form LMN 1246) was made and passed. QAR observed the contr making 3 cylindere and required tests; see CQC for results. The 3000psi concrete was placed through a tremee to limit drop and was well vibrated. The forms were properly aligned, graded, and adequately braced. The reinforcement was clean, properly sized, spaced, tied, and located as shown on the shop drawings. Three-bulb waterstop, expansion material, chamfer strips, and embeded items were perperly installed. Stab. slab was placed in 4" screeds and floated to elevations as noted on the drawings. Wet curing with burlene blankets was properly performed today. Dry-packing of tie-rod holes was performed with the 24 hour period.  
**REINFORCEMENT:** Was tied in accordance with plans and specifications for mono's #11 and 16.  
**STRUCTURAL BACKFILL:** Eight inch lifts were placed and compacted with the backhoe, bobcat, and Rammex compactor. The excavation was pumped free of standing water and material culled free of deleterious matter was casted over the I-wall and worked into place. Each lift was visually checked for consistency. Density tests are scheduled for tomorrow.

(CONTINUED)

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

CQC REP Jerry Justice was told by QAR to ensure all vehicles and equipment are parked within the construction easement and/or legally parked curbside. The contr agreed.

**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) ~~XXXXX~~.

**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>
Chris Wagner	Civ. Engr., GS-11	1	PE
Bernard Brogna	Const. Insp., GS-07	9	QAR

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

Checked for use of personal protective equipment, tag lines, and back-up alarms. No problems noted.

INSPECTOR'S SIGNATURE BERNARD R BROGNA	<i>Bernard Brogna</i>	DATE 26 Oct 95	SUPERVISOR'S INITIALS <i>W</i>	DATE 11/15 <i>W</i> 10/31/95
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QUALITY ASSURANCE REPORT SUPPLEMENT  
CONTRACT NO.: DACW29-94-C-0079

QAR# 223

DATE Wed-25 Oct 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

(CONTINUED FROM PAGE 1)

SELECTIVE DEMOLITION: QAR observed the contr cutting existing sheetpile to elevation +6.75 for temporary flood protection. The attached concrete cap was removed in sections, loaded onto tractor-trailors, and removed from the site.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

SEE PAGE 1.

REMARKS:

NONE

Bernard A. Bugna  
Inspector's Signature



## QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed concrete placement for mono #14 today near Mirabeau Ave. Trammers used to limit drop to less than 5' & vibrators were used to consolidate concrete. Checked that bullpen was wetted down for curing purposes. Also checked back filling operations between R. E. Lee & Pump Sta. No. 4 (east side). Water was pumped out & material cast over wall in 8" lift & then compacted w/ vibratory roller.

Instructions to COC/Remarks: Reminded Supt. Mike Tassin to not park vehicles outside of designated R/W. He agreed to do so.

Chris Wagner  
Name Title  
Proj Engr

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

DATE: 10/25/95

REPORT NO.: 277

SKIES: Pt. Cloudy

RAIN: 0

IN. TEMP.: 62 MIN 85 MAX

DUST: Minimal

LEEVE CONDITION: Dry CANAL GAUGE: (2.4) NOISE: Moderate

WORK PERFORMED/LOCATION

- ① B&K Construction - Demolished existing floodwall by cutting off existing sheets at elev. to 75 from E. B sta. 73+40 to sta 74+10; this provides Temp. Flood Protection at the same time. Hauled off the demolished concrete cap and sheet pile pieces to a local landfill for disposal. Also hauled off one truckload of trash and construction debris. Graded structural excavation to E. B sta. 75+80 (excavated previously). Formed and poured concrete stabilization slab from E. B sta. 74+50 to 75+50. Also poured concrete stab. slab from E. B sta. 99+30 to sta 98+60. Wrecked I-Wall forms at E. Monolith #12, patched holes, and then covered wall with burlap. Formed and poured concrete at East Monolith #14 today. Set canal side form and top re-steel mat at East Mono. #11 (for tomorrow's pour). Cement finishers worked on patching air bubble holes and defective concrete at E. Monolith #2, finished stab. slab, and I-wall concrete. Backfill crew placed 1<sup>st</sup> and 2<sup>nd</sup> lifts of Struct. Backfill, E. B 102+67 → 111+00 (Flood side). Repaired + compacted L.S. fill area at 116+00. (Tests tomorrow.)
- ② Arcadia Rebar - Tied bottom re-steel at E. Monoliths #11 + #16 today. Set top steel mat at E. Mono #14. Pre-tied one mat of steel for I-Wall stems on the levee crown for future placement by crane.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
16	Unskilled	148	B&K Const.	Demolition of exist. floodwall;
13	Skilled	130	"	Temp. Flood Protection;
3	Supt.	28	"	Stabilization Slab work;
1	A.C. Rep	9	"	Reinforced Concrete Floodwall work;
				Cement finishing + Patching;
				Structural backfill work.
				(See Locations Above)
2	Skilled	14	Arcadia Rebar	

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	yes	6	2	-
Komatsu D37P Dozer	-	yes	3	5	-
Kubota 151 Excavator	-	yes	5	3	-
Case 580 Backhoe #1	-	yes	3	5	-
Case 580 Backhoe #2	-	yes	4	4	-
RAMEX ROLLER-Compactor	-	yes	5	3	-
MKT Vibro Hammer V-5	-	No	0	8	yes
Fiat-Allis MotorGrader	-	No	0	8	-
Mantis 3612 Crane	-	yes	4	4	-
Koehring 405 Crane	-	yes	8	2	-
J.S.W. Excavator	-	yes	2	6	-
Welding Machine	-	No	0	8	-
Compressor + Sandblaster	-	No	0	8	-
Komatsu 200 Exc.#2	-	yes	4	4	-
6" diesel Pump	-	NO	0	8	-
EMV-300 Vib. Hammer	-	No	0	8	-
Bobcat Excavator	Rental	yes	4	4	-

MATERIALS RECEIVED

Received 8 cubic yards of Concrete from Lafarge (Mix #44-C) for East Bank Stabilization Slab; Sta. 99+30 to 98+0. Received 7 cubic yards of the same material for East Bank Slab, Slab Sta. 74+50 to 75+50. Also received 17 cu. yards of Mix #44-C from Lafarge Conc. Co. for East I-Wall Monolith #14 today. All delivery tickets were furnished to the Government Inspector. (See Below for Tests & Inspections.)

TESTS PERFORMED

(As required by plans/specifications)

BTK Construction personnel performed the required concrete tests and inspections today on the material listed above. Results of these tests are documented on the attached Concrete Field Data Summary Sheet. Three test cylinders were molded as usual, to be delivered to the Gov't Lab on Thursday or Friday morning.

I inspect: wet curing of I- all concrete today. East Monoliths #2, #3, #5, #7, #9, #10 and #12 were covered with burlene; except while cement finishers worked on patching holes, #2 was partially uncovered. A laborer was assigned full time duty to wet walls and burlene today on monoliths listed above. Burlene blankets covered 100% of these walls, and were weighted down to prevent movement by wind. Freshly poured concrete was also covered with a strip of damp burlene to protect it from the weather.

Also checked structural backfill work done today. Placement procedures were as follows: (1) Standing water was pumped out of the excavation (2) all debris was removed and hauled off (3) dry soil from struct. excavation was placed in an 8" layer and compacted with the vibratory roller compactor. (4) the next 8" layer was placed over the first layer, spread and compacted in the same manner. The rented Bobcat Excavator was used to spread soil and begin compaction by tracking over the 8" lift, but the real compactive effort was exerted by the RAMEX Vibratory Sheepsfoot Compactor - Tests will be done tomorrow.

## JOB SAFETY

(Note inspection, violations/actions taken)

Inspected 4-way slings and sorting hooks used to lift sheet piles, mats, and small equipment. Wire rope on one part was damaged. This set of slings was taken immediately out of service, and was sent to be repaired.

Checked for any oil or fuel leaks or spills on the levee and in the staging areas. No significant leaks on equipment were found, and no signs of soil contamination were observed.

## REMARKS

(Instructions received, miscellaneous remarks)

Received verbal instructions from Project Insp. Alex Brogna not to allow parking of vehicles and/or equipment on the grass outside of the construction easement, due to complaints from a local resident. The Project Supt and all foremen were given these instructions and said they would comply, as well as passing these instructions on to all employees.

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

10-26-95  
Date

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

DATE: 10-25-95

Pour Location East I-Wall Monolith # 14 and stabilization slab  
East B Sta. 74+50 to

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used # 44-C Required Strength 3000 psi  
at 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.
286584	2:28	3:56	1.0 <sup>o</sup>	28 GAL	4.0 <sup>x</sup>	80° 83°	6.0	3	3:00	9
286612	4:00	5:15	1.0 <sup>o</sup>	23 GAL	4.0 <sup>x</sup>	81° 83°	6.0	-	4:15	8
286470	11:30	11:48	1.5 <sup>o</sup>	28 GAL	4.5 <sup>o</sup>	78° 80°	-	-	11:30	8

REMARKS: Test Cylinder Set # LA-92.

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

TECHNICIAN:  
Steve Thome

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

LIFT NO.

ELEVATION

DATE OF POUR

East # 14

ONE

from 3.00 to 14.40

10-25-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	10-25	2:00	Buzza	10-25	2:00
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	10-25	2:00	Buzza	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	10-25	2:05	Buzza	10-25	2:05
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	Jmj	10-25	2:10	✓	"	2:10
CONDITION	✓	"	"	Buzza	10-25	"



ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmD	10-25	2:10	Bugra	10-25	2:10
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.87'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	JmD	10-25	2:15	Bugra	10-25	2:15
G. SAFETY (LIST)	JmD	10-25	2:15	Bugra	"	"
1. Eye Protection	✓	"	"	✓	"	"
2. Ladder	✓	"	"	✓	"	"
3. Scaffold	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	JmD	10-25	2:15	Bugra	10-25	"
FL340 Anchor Bolts	✓	"	"	✓	"	"

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Koehring 405	1	Crane	2:45	2 1/4				
Concrete Bucket	1	1 c.y.	2:45	2 1/4				
Concrete Vibrator	1	18' shaft	2:45	2 1/4				
Generator		Multi-Quip	2:45	2 1/4				

J. REMARKS SLUMP = 4" + 4" ; AIR ENTR. = 6.0% + 6.0% ; CONCRETE TEMPS = 80° + 81° ;  
 AIR TEMPS = 83° + 83° ; 3 Test Cylinders (LA-92)  
 FINAL CLEARANCE

CONTRACTOR REPRS: *Jerry M Justice* C.O.E. REPRS: *Bernard P Bugra*

**INSTRUCTIONS**  
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**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  
222

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

DATE Tuesday  
24 October 95

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

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 83°

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

24 HOUR PRECIPITATION	
INCHES 0.00	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-9	TOTAL 1-9	LABOR
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Canal RIVER STAGE	
FEET 2.2'	TIME 0800 M

NUMBER OF CONTRACTOR'S EMPLOYEES

SUPERVISORY 4-38	SKILLED 12-114	LABORERS 15-150	TOTAL 31-302
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NUMBER OF SHIFTS

<input checked="" type="checkbox"/> 1		<input type="checkbox"/> 2	<input type="checkbox"/> 3
FROM 0730 M	TO 1800 M	FROM M	TO M

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; DEMOLITION; STEEL SHEETPILES; STRUCTURAL EXCAVATION AND BACKFILL.
- b. \_\_\_\_\_
- c. \_\_\_\_\_

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

a. Readied and placed mono #12; removed existing concrete cap from site; drove existing AZ-18's to elevation +5.25; installed cathodic cables at joints between mono's 99-98 & 98+97; set forms for stab. slab from EB/L Sta's 99+30-99+60; excavated for stab. slab from EB/L 99+15-98+40; placed structural backfill from EB/L Sta's 107+00-119+05 on P/S only. finished mono's westside mono's #144 and 145 on the F/S.

Days of no work and reasons for same:

02,03,04, and 05 Oct 95 were 100% lost due to adverse weather/wet ground conditions; 13 Oct 95 was 50% lost as well.

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

K&B Construction performed progressive work today.

DATE SET FOR COMPLETION: 09 May 95

PERCENT PROJECT COMPLETE: 41.7%  
PERCENT TIME ELAPSED: 68.7%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended today:  
CONCRETE FLOODWALL: No instructions issued.  
SELECTIVE DEMOLITION: No instructions issued.  
STEEL SHEETPILES: No instructions issued.  
STRUCTURAL EXCAVATION AND BACKFILL: 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 made today:

**CONCRETE FLOODWALL:** Cleaned and oiled forms were readied for mono #12. The pre-placement checkout was performed and mono #12 was found ready and it was placed. QAR observed the contr molding three cylinders and taking the required tests. See attached Form LMN 1246 and CQC Report for results. The forms were properly aligned, graded, and adequately braced. The reinforcement including #6 cathodic re-bar, was set as shown on the shop drawings. The bars were clean, properly sized, located, spaced, and tied. The 3-bulb waterstop, expansion material, chamfer strips, and embeded items were properly installed. The 3,000psi concrete was placed through a tremee to limit drop to five feet and vibrated in 18" lifts. QAR observed the contr dry-packing tie-rod holes within the 24 hour window and properly wet curing the appropriate mono's today. Forms for stab. slab were set at elevation +3.00 from B/L Sta.s 99+30-98+60.

**SELECTIVE DEMOLITION:** QAR observed the contr cut existing sheets off at elevation 6.75 and remove concrete cap section on tractor-trailers.

**STEEL SHEETPILE:** The contr finished driving the AZ-18's to elevation +5.25 as required. Only two pieces couldn't be re-driven to there original positions within .01 of a foot. Three inches were cut-off these two.

(CONTINUED)

**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 ~~XXXXXXX~~) for this (date/~~person~~).

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

NAMES	GOVERNMENT PERSONNEL ON SITE		
	DESIGNATION	HRS. ON SITE	DUTIES
Bernard R Brogna	Const. Insp., GS-07	8	QAR

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

Checked for use of personal protective equipment, toe boards and midrails on scaffolding, and housekeeping. No problems noted.

INSPECTOR'S SIGNATURE  
BERNARD R BROGNA

*Bernard Brogna*

DATE  
25 Oct 95

SUPERVISOR'S INITIALS

*YW* *W*

DATE

*10/31/98*

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

QAR# 222

DATE Tue-24 Oct 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

(CONTINUED FROM PAGE 1)

STRUCTURAL EXCAVATION AND BACKFILL: The contr was observed excavating for stab. slab to elevation +2.67 from EB/L Sta. 99+15-98+40. The material was distributed over the existing levee. The cont placed structural backfill in 8" layers along the P/S of the east I-wall from EB/L Sta.s 107+00-119+00 approx. The lift was placed with a dozer, backhoe, and Rammex compactor. It was placed in the dry and deleterious matter was culled prior to placing. QAR witnessed Delta Testing performing the required tesing. See CQC Report for results. As noted on the CQC Report, one area failed the required 90% and shall be re-worked and re-tested.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE

  
BERNARD R BROGNA

Inspector's Signature



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

DATE: 10/24/95

REPORT NO.: 276

SKIES: Pt. Cloudy

RAIN: 0 IN. TEMP.: 62 MIN 83 MAX

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

WORK PERFORMED/LOCATION

B+K Construction - wrecked forms at East Monolith #10, patched tie-bolt holes, and covered with burlene. Formed and poured concrete at East Monolith #12 (B+K Const. had to set and tie off top Re-steel mat in the absence of Arcadia Labor). Hauled off existing concrete cap sections demolished yesterday and disposed of them in a local landfill. Drove down existing AZ-18 sheets to elev. +5.25 from Sta. 97+50 to 96+70, East B. Installed bond cables at East Monolith Joints #99-98 and #98-97. Performed structural excavation from E. B. Sta. 99+15 to Sta. 98+40. Set forms for stabilization slab from E. B. Sta. 99+30 to Sta. 98+60 (not poured yet). Performed structural backfill and compaction from E. B. Sta. 107+00 to 119+05 (Second 8" lift; Land Side Only). Density tests were done by Delta Testing on 1<sup>st</sup> and 2<sup>nd</sup> lifts (see Page #2). Continued clean-up of yard and work areas today. Established centerline offsets for I-Wall between Pump Sta. #4 and Filmore Ave. (Field Notes to follow ASAP). Cement Finishers patched and repaired West Monoliths #144 and #145, then moved their scaffolds, tools, + materials to Mirabeau, East Bank, to begin finishing work on walls recently poured. (Still not complete on West Bank work.)

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
15	Unskilled	150	B+K Const.	Reinforced Concrete Floodwall;
12	Skilled	114	"	Removing demolished concrete cap;
3	Supt.	28	"	Cathodic protection work;
1	O.R. Rep.	10	"	Structural excavation;
				Stabilization Slab forming;
				Structural backfill;
				Cement finishing;
				Survey/Laying out of work;
				Temporary Flood Protection.

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	-	yes	6	2	-
Komatsu D37P Dozer	-	yes	3	5	-
Kubota 151 Excavator	-	yes	4	4	-
Case 580 Backhoe #1	-	yes	3	5	-
Case 580 Backhoe #2	-	yes	3	5	-
6" diesel pump	-	No	0	8	-
Ramex Roller Compactor	-	yes	6	2	-
MKT Vibro Hammer V-5	-	No	0	8	yes
Fiat-Allis MotorGrader	-	yes	1	7	-
Mantis 3612 Crane	-	yes	8	0	-
Koehring 405 Crane	-	yes	8	0	-
J.S.W. Excavator	-	yes	3	5	-
Welding Machine	-	No	0	8	-
Compressor + Sandblaster	-	No	0	8	-
Komatsu 200 Exc. #2	-	yes	3	5	-
M.K.T. V-30 Vib. Hammer	-	yes	8	0	-
Emu-300 Vib. Hammer	-	No	0	8	-
Bobcat Excavator	Arrived	No	0	8	-

(Rental)

MATERIALS RECEIVED

Received 17 cu. yards of concrete (Mix #44-C) from Lafarge Conc. Co., and placed this material in East I-Wall Monolith #12 today. Delivery tickets were provided to the Government Inspector, complete with all necessary batch information.

TESTS PERFORMED  
(As required by plans/specifications)

B+K Construction performed concrete tests and inspections on Mix #44-C today. Results are documented on the attached Concrete Field Data Summary Sheet. Three cylinders were molded from this material, to be delivered to the Government Lab tomorrow.

Delta Testing performed Nuclear Density Tests and one Sand Cone Verification Test on structural backfill at East Bank following locations (Land side only): Sta. 118+50, 2<sup>nd</sup> Lift - 99.0%; Sta. 116+00, 2<sup>nd</sup> Lift - 84.8%; Sta. 113+50, 2<sup>nd</sup> Lift - 91.9%; Sta. 111+00, 2<sup>nd</sup> Lift - 99.1%; Sta. 105+65, 1<sup>st</sup> Lift - 100.9%; Sta. 106+50, 2<sup>nd</sup> Lift - 91.7%; Sta. 104+15, 2<sup>nd</sup> Lift - 95.3%; Sta. 103+60, 1<sup>st</sup> Lift - 95.2%; Sand Cone Verification at Test #6 today (Sta. 106+50) - Results to follow.

## INSPECTIONS PERFORMED

The area of Structural backfill that failed density and moisture tests will be re-worked tomorrow (East B vicinity of Sta. 116+00, Land side, 2nd Lift). Re-testing will be performed on Thursday 10-26-95 on this section of fill.

Checked demolition of existing floodwall at East B Sta. 73+00. The existing MP-112 sheet piles were cut off at elev. +6.75 to provide Temp. Flood Protection in this area. Concrete cap was lifted with the Koehring 405 Crane in  $\pm 20'$  sections and loaded into dump trailers for disposal in an area Landfill (Almonaster).

Checked existing AZ-18 sheet pile cut-off grades at East B Sta. 99+15  $\rightarrow$  96+70. Found cut off elev. of +5.25, plus or minus 0.10'. Two single pieces of AZ-18 could not be driven to grade and will be cut off at elev. +5.25 (approx. 3" only). No damage to sheet piles was noted.

## JOB SAFETY

(Note inspection, violations/actions taken)

Inspected the scaffold and handrails on I-wall forms. Carpenters had to add handrails at one end of the platform. Ladder was securely tied to the scaffold. No other problems noted.

Checked work areas for trash and debris clean up. Laborers still working on trash clean up at Thirabean. Filmore  $\rightarrow$  Pump Sta. #4 area still needs attention. The Supt. was notified.

## REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

10-25-95  
Date



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

East # 12

ONE

from 3.00 to 14.40

10-24-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmj	10-24-95	1:00	Brognia	10-25	1:00
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	10-24	1:00	Brognia	10-24	1:00
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmj	10-24	1:05	Brognia	10-24	1:05
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	Jmj	10-24	1:10	Brognia	10-24	1:10
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmj	10-24	1:10	Bugno	10-24	1:10
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.87'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmj	10-24	1:15	Bugno	10-24	1:15
G. SAFETY (LIST)	Jmj	10-24	1:15	Bugno	10-24	1:15
1. Rigging check	✓	"	"	✓	"	"
2. Ladder	✓	"	"	✓	"	"
3. Scaffold	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmj	10-24	1:20	Bugno	10-24	1:20
FL340 Anchor Bolts	✓	"	"	✓	"	"

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Koehring 405	1	Crane	1:35	1 3/4				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Multi Quip	"	"				

J. REMARKS SLUMP = 4 3/4" + 4 1/2" ; AIR ENTR. = 6.5% + 5.8% ; CONCRETE TEMPS = 80° + 81° ;  
 AIR TEMPS = 84° + 84° ; 3 Test Cylinders (LA-91)

**FINAL CLEARANCE**

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

**INSTRUCTIONS**

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

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

DATE: 10-24-95

Pour Location East I-Wall monolith #12

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.	
286266	1:30	2:10	4.0o	5 Gal.	4.75x	80°	84	6.5	3	1:45	9
286281	2:20	3:20	2.0o	20 Gal.	4.5x	81°	84	5.8	-	2:35	8

REMARKS: Test Cylinder Set #LA-91

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

TECHNICIAN:  
Steve Stone

# J + K Construction

## MINUTES OF SAFETY MEETING

DATE: 10-24-95

TIME: 7:00 AM

PROJECT: London Ave. Floodwall

DACW24-94-C-0079

MEETING CONDUCTED BY: Jerry Justice



### PERSONS ATTENDING:

Jerry Justice  
FRANK BERNARD  
Brian Stinson  
Bruce Foner  
James Whitcomb  
Eric Barber  
Bob J. Judson  
Walter Dillon

Bryan Verdum  
James Arroult  
Wally G. Bridges  
Lloyd Bonnell  
Dezell Johnson  
Steve Thomas  
Harold J. Lee  
Gregory Jackson  
Jimmy Short

### TOPICS DISCUSSED:

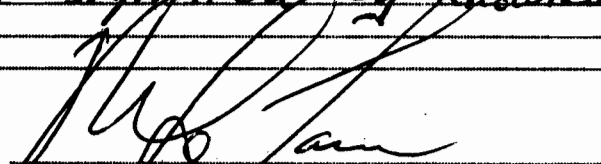
Discussed proper storage and handling of pressurized oxygen and acetylene cylinders. I urged the superintendents to purchase safety carts for cylinders being used in the field.

Talked to carpenters and foremen about the scaffolds used on T-wall forms and by the cement finishers. They are to be responsible for checking scaffolds, replacing boards or adding more brackets and fasteners as needed. Daily checks should be made to assure a safe functional scaffold system.

Also discussed the operators responsibility to check rigging used for lifts. If any problems exist with condition of rigging or rigging methods, the lift should be delayed until the problems are corrected.

### COMMENTS:

Operators are having problems with hand signals by inexperienced signallers. Copies of standard hand signals were made available to employees who wanted to learn these signals. Cranes should only be flagged or signalled by knowledgeable employees.

  
CONTRACTOR'S SUPERINTENDENT



More persons attending  
on reverse side →

ERROL FRANKLIN

Richard Allott  
Matthew Duttles

Buyan Vigneux  
Mark Spitzer

White Corneau

Al Stiefmann

Judy Leonard

John Ward

**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  
221

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

DATE A composit for the period  
21-23 Oct 95: Sat -Mon

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  
Ptl't Cldy and 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 66°	MAXIMUM 85°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.00"	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY	OFFICE	LAYOUT	INSPECTION 1-10	TOTAL 1-10	LABOR
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FEET 2.20'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1  2  3

SUPERVISORY 4-35	SKILLED 17-149	LABORERS 13-124	TOTAL 34-308
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FROM 0730	TO 1800	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. - CONCRETE FLOODWALL; STRUCTURAL BACKFILL & EMBANKMENT; DEMOLITION:  
~~XX STEEL SHEETPILES~~  
~~XX b ARCADIA REBAR-REINFORCEMENT~~

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. Readied and placed east mono #9; removed existing concrete cap from EB/L Sta. 72+90-73+40; welded #6 cathodic bar from EB/L 73+33-74+48; drove existing AZ-18's down to elevation +5.25 from EB/L Sta. 99+03-97+50; placed structural backfill from EB/L Sta. 107+00-119+05 on the P/S; repaired concrete on Mono's #142, 143, and 144 west side. b. Pretied three double mats of top reinforcement.

Days of no work and reasons for same:

02,03,04, and 05 Oct 95 were 100% lost due to adverse weather/wet ground conditions; 13 Oct 95 was 50% lost as well.  
21, 22 Oct 95 were unscheduled work days.

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

Both contrs performed progressive work on 23 Oct 95.

DATE SET FOR COMPLETION: 09 May 95

PERCENT PROJECT COMPLETE: 41.6%  
PERCENT TIME ELAPSED: 68.51

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended on 23 Oct 95:

- CONCRETE FLOODWALL: No instructions issued.  
 STRUCTURAL BACKFILL: No instructions issued.  
 DEMOLITION: No instructions issued.  
 STEEL SHEETPILES: No instructions issued.  
 REINFORCEMENT: 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 Reports were made on 23 Oct 95:

**CONCRETE FLOODWALL:** Cleaned and oiled forms were readied and mono #9 was placed. The pre-placement checkout (FORM LMN 1246) was made and mono #9 was found ready. QAR observed the placement and witnessed the required tests. The 300psi concrete was well vibrated and tremees were used to limet drop. The forms were properly aligned, graded, and adequately braced. Three bulb waterstop, expansion material, embeded items, and chamfer strips were properly installed. QAR observed tie-rod holes being dry-packed within required time. Water curing was ~~was~~ satisfactory today.

**REINFORCEMENT:** Re-steel was found properly spaced, tied, cleaned, located, and sized. It was installed in compliance was shop drawings, as was the #6 cathodic bar.

**STEEL SHEETPILES:** Sheetpiles were driven to elevation +5.25 as required. The V-30 MKT Vibrator Hammer was used. Although some sheets were driving hard, they were driven to within one inch plus or minus with no observable deflection.

**DEMOLITION:** The removed concrete cap was removed via tractor-trailer from the site; existing sheetpiles were cut-off at elevation +6.75 as required. Only 50 linear feet were removed.

(CONTINUED)

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
Bernard R Brogna	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 for use of personal protective equipment, proper grounding as electrical generators, condition of electrical cords and equipment. No problems noted today. Witness Load Test for Koehring 405 Crane.

INSPECTOR'S SIGNATURE <i>Bernard R Brogna</i> BERNARD R BROGNA	DATE 24 Oct 95	SUPERVISOR'S INITIALS <i>W</i>	DATE <i>11/6</i> 10/31/95
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QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 221

DATE Mon-23 Oct 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

(CONTINUED FROM PAGE 1)

STRUCTURAL BACKFILL: QAR observed the contr placing 1 lift of compacted backfill. The 8" lift was compacted the Rammax compactor. Compaction tests were taken at EB/L Sta's 116+42, 113+53, 111+71, and 109+55 and were the required 90% or better. See results on CQC Report. The material was placed in-the -dry and deleterious matter was culled and removed prior to placement.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE

BERNARD R BROGNA  
Inspector's Signature





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

DATE: 10/23/95

REPORT NO.: 275

SKIES: Clear Pt Cloudy RAIN: 0 IN. TEMP.: 66 MIN 85 MAX

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

WORK PERFORMED/LOCATION

10-21-95 Saturday - No work performed (Curing Mono's Wet Today)  
 10-22-95 Sunday - No work performed (Curing Mono's Wet Today)  
 10-23-95 Monday - B+K Construction Company, Inc.  
 Wrecked forms at East Monolith #3, then patched tie-bolt holes at same monolith. Formed up and poured concrete at East I-Wall Mono #9, welded #6 rebar on top of sheet piles at East Mono's #13, #14, #15, and #16. Cut holes for rebar in sheet piles at East Mono's #14, #15, and #16. Demolished existing floodwall cap from E. B. sta. 72+90 to sta. 73+40, cutting existing sheet piles off at elev +6.75 for Temp. Flood Protection at the same time. Drove down existing AZ-18 sheet piles to elev. +5.25 from E. B. sta. 99+03 to sta. 97+50. Performed struct. backfill and compaction from E. B. sta. 107+00 to 119+05 on the Land Side, first 8" layer only. Cement finishing crew completed patching and repairs of concrete surfaces at West Monoliths #142, #143 and 1/2 of #144. Laborers continued clean up of trash and debris on the East Bank. Surveyor established o/s lines and control elevations for I-Wall construction.  
 ARCADIA REBAR - Tied bottom reinforcing steel at East Monoliths #14 and #16. Pre-tied 3 more mats of steel for future placement in I-wall stems (stockpiled on the levee crown).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
13	Unskilled	124	Btk Const.	Reinforced Concrete Floodwall;
13	Skilled	125	"	Demolition of Existing Floodwall;
3	Supt.	28	"	Temporary Flood Protection;
1	QC, Rep	7	"	Structural Backfill; Finishing of Concrete I-Wall surfaces.
4	Skilled	24	Arcadia Rebar	Tying re-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	6	2	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	3	5	—
Case 580 Backhoe #1	—	yes	3	5	—
Case 580 Backhoe #2	—	yes	3	5	—
6" diesel Pump	—	No	0	8	—
RAMEX ROLLER-COMPACTOR	—	yes	5	3	—
MKT Vibro Hammer	—	No	0	8	yes
Fiat-Allis MotorGrader	—	yes	1	7	—
Mantis 3612 Crane	—	yes	8	2	—
Koehring 405 Crane	—	yes	8	2	—
J.S.W. Excavator	—	yes	4	4	—
Welding Machine	—	yes	2	6	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	yes	2	6	—
MKT V-30 Vib. Hammer	—	yes	8	2	—
Emu-300 Vib. Hammer	—	No	0	8	—

MATERIALS RECEIVED

Received 17 cubic yards of concrete from Lafarge Conc. Co. today (Mix Design #44-C), Placed this material in East I-Wall Monolith #9, and furnished delivery ticket copies to the Project Inspector.

TESTS PERFORMED

(As required by plans/specifications)

B+K Construction personnel (S. Thome) tested and inspected concrete delivered by Lafarge today. Find results documented on the attached Concrete Field Data Summary sheet. Three cylinders were molded as usual, to be delivered to the Government Lab on Wednesday morning.

Delta Testing monitored vibrations caused by sheet pile driving work today near East B Sta, 98+00 (approximate). Results not furnished to B+K Const., but only to the Orleans Levee Board.

Delta Testing also performed nuclear density tests on structural backfill along the East Bank today. See attached results, and locations of tests.

Inspected the reinforced concrete floodwall work performed today. MN Form #1246 was completed as a checklist for inspection of floodwall prior to placing concrete. Form condition was good, as was alignment, plumbness, and elevations of formwork. Stainless steel anchor bolts for FL340 Brackets were installed as required. Waterstops, reinforcing steel, and exp. material were also correctly installed. Placement of concrete was accomplished using a crane, 1 yard concrete bucket hopper, and trimmie chutes. The vertical drop of the concrete did not exceed 5 feet. Consolidation of each 18" layer was accomplished by use of a Wacker internal concrete vibrator with an 18' shaft length. Finishers float finished the top of the I-wall concrete. Tie-bolt holes were patched within 24 hours after forms were wrecked.

I checked the curing of I-Wall concrete monoliths today. East Monoliths #2, 3, 5, 6, 7, 8, and #10 were covered with burlene blankets and kept wet all day today. A laborer came in twice on Saturday and Sunday to wet walls and burlene. Wall #3 was partially uncovered to patch tie-bolt holes for part of the day.

## JOB SAFETY

(Note inspection, violations/actions taken)

Held a safety meeting today at 7:00 AM. Topics discussed were proper storage and handling of oxygen and acetylene bottles, and crane hand signals. Also talked to the men about housekeeping and daily inspection of crane rigging and scaffolds. See minutes of the meeting attached to this report.

Checked exhaust systems on all engines on the job today. No excessive fumes, smoke, or noise from exhausts was observed.

## REMARKS

(Instructions received, miscellaneous remarks)

Land side density tests on the first two lifts of structural backfill will be performed tomorrow from E. B. Sta. 102+67 to Sta. 107+00, and between Sta. 107+00 to Sta. 119+00 (2nd lift only).

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

10-24-95

Date

DACW29-94-C-0079

London Ave. outfall Canal Floodwall

10-23-95

## Results of Nuclear Density Tests on Structural Backfill (ASTM-D698-A)

Theoretical Dry Density Max. = 97.4 lbs/ft<sup>3</sup>

Optimum Moisture % = 22.6%

Range of Acceptable Moisture = plus 5% to minus 3%

Density Required = 90% of Max Dry Density

Note: Proctor #1 and #2 were averaged, then that average Dry Density and Opt. Moisture were averaged with Proctor #3 to yield the theoretical values shown above. (Per Chris Wagner's verbal instructions.)

\* Results shown below are per telephone conversation with Delta Technician E. Nillen.

Test No.	Field Moisture %	Field Dry Density	Compaction Percent	Depth of Test	Location of Test
1	22.5%	93.2	95.7%	8"	E. B 116+42 Land Side - First Lift
2	19.7%	101.3	104.0%	8"	E. B 113+53 Land Side - 1st Lift
3	26.9%	94.2	96.7%	8"	E. B 111+71 Land Side - 1st Lift
4	20.5%	99.7	102.4%	8"	E. B 109+55 Land Side - First Lift

All tests passed compaction percentage ;  
Test #3 Moisture Content high but still within the +5% Range specified.

\* Official test documents to follow from Delta Testing A.S.A.P.

**SAFETY INSPECTION F. MISCELLANEOUS EQUIPMENT**  
**U.S. Army Engineer District, New Orleans**

Date of Inspection:  
**9-19-95**

Contractor or Unit **B+K Construction Co.**

Contract No. or Activity **DAW21-94-C-0079**

Inspected by (Signature) *Jerry Justice*

Witness (Signature) *Edward Bejar*

**KOEHLINE 405**

**CRANE DERRICK INSPECTION CHECKLIST**

Yes No N.A

NOTE: Safety and Health Requirements Manual (EM385-1-1) references in parentheses.

1	Are the following documents with the crane at all times? (16.C.01)	✓		
1a	Operating manual from the manufacturer for the specific crane being inspected.	✓		
	(1) Any operator aids for which the crane is equipped?			✓
1b	Load rating chart for the crane which shall include:	✓		
	(1) the crane make and model, serial number, and year of manufacturer	✓		
	(2) load ratings for all crane operating configurations: including optional equipment	✓		
	(3) wire rope type, size, and reeving; line pull, line speed and drum capacity	✓		
	(4) operating limits in windy or cold conditions	✓		
1c	Crane log book that shows operating hours, inspections, tests, maintenance & repair. Note: Has log been updated daily when crane is used, and is signed by operator & supervisor? Note: Mechanics shall sign after conducting maintenance or repairs.	✓		
2	Does operator have certification that he meets operator qualification and training as stated in 16.C.04 and Appendix G?	✓		
3	Has a hazard analysis for set-up and set-down procedures (mobilization, assembly, dismantling, etc.). (16.C.07)			✓
4	Are adequate clearances provided from electrical sources, fixed objects, and swing radius. (16.C.08)	✓		
5	Is communications provided as required? (16.C.10)	✓		
6	Has inspection been performed in accordance with 16.C.11 and Appendix H?	✓		
7	Have performance load tests been in accordance with 16.C.12?	✓		
8	Are tag lines used to control loads? (16.C.15)	✓		
9	Is critical lift plan required? (16.C.17 and page 285)			✓
10	Are all environmental considerations of 16.C.18 being met?	✓		
11	Is crane equipped with boom angle indicator, load indicating device, means to visually determine levelness, and anti-two block devices. (16.D.01)	✓		
12	Are cable supported booms equipped with boom stops? (16.D.02)	✓		
13	Are booms lowered to ground or secured when not in use? (16.D.07)	✓		
14	Do all floating cranes and derricks meet the requirements of 16.F?			✓
15	Are all moving parts (gears, drums, shafts, belts, etc.) and all hot surfaces (exhaust lines, pipes, etc.) guarded? (16.B.03)	✓		
16	Does the unit have a suitable fire extinguisher? (16.A.26) NOTE: Minimum 5 BC	✓		

REMARKS:

Crane inspection done by STATE  
MACHINERY Mechanic prior to mobilizing  
this crane to this project.

LOAD TEST DATA:

Suspended load = 14,600 lbs

Rigging weight = + 250 lbs

Total = 14,850 lbs.

Maximum boom angle for 14,850 lbs. with 60'  
of Boom (NO Jib) = 69° (From Load Chart)

Comments: With boom angle at 69°, the above  
load was hoisted, then swung in a radius  
of 225° (360° swing not possible in this work area).

No instability was noted in any quadrant of the  
Swing Radius. No tilting or tipping of crawler (Cont. below)

LMN 385-14-R  
Jan 94

(continuation sheet)

Proponent: (CELMN-SO)

(Cont.) → tracks was reported. Operator stated that all  
components and controls were working properly.  
The load test represents the maximum suspended  
load that will be lifted by this machine on  
this job.

Jerry Justice  
Q.C. Representative  
B&K Construction

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

DATE: 10.23.95

Pour Location East Monolith # 9

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used # 44-C Required Strength 3000 psi  
at 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.
286039	2:14	3:19	3.50	15 GAL	2.0x	83° 82°	5.8	3	2:30	9
286045	3:25	4:10	2.00	24 Gal	4.25x	82° 82°	5.0	-	3:40	8

REMARKS: Test Cylinder Set # LA-90

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

TECHNICIAN:  
Steve Thome



FOR CHECK OUT FOR

STRUCTURES  
 REINFORCE CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH East # 9

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 10-23-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME <i>BRYAN V.</i>	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	<i>Bryan V.</i>	10-23-95	1:30	<i>Bryana</i>	10/23	1:30
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	<i>Bryan V.</i>	10-23	1:30	<i>Bryana</i>	10/23	1:30
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. REINFORCING	<i>Bryan V.</i>	10-23	1:35	<i>Bryana</i>	10/23	1:35
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	<i>Bryan V.</i>	10-23	1:45	<i>Bryana</i>	10/23	1:45
CONDITION	✓	"	"	✓	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	✓	10-23	2:20	<del>BRYAN</del> Bogna	10-23 10/23	2:20		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 28.88'	✓	"	"	✓	"	"		
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	Bryan V.	10-23	1:55	Bogna	10/23	"		
G. SAFETY (LIST)		10-23	1:55	Bogna	10/23	"		
1. Ladder	✓	"	"	✓	"	"		
2. Scaffold	✓	"	"	✓	"	"		
3. Eye Protection	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB		10-23	1:55	Bogna	10/23	"		
FL340 Anchor Bolts	✓	"	"	✓	"	"		
Expansion Material	✓	"	"	✓	"	"		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Koehring 405	1	Crane	2:15	2				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' Shaft	"	"				
Generator	1	Multi-quip	"	"				
J. REMARKS	SLUMP = 5" + 4 1/4" ; AIR ENTR. = 5.8% + 5.0% ; CONCRETE TEMPS = 83° + 82° ; AIR TEMPS = 82° + 82° ; 3 Test Cylinders (LA-90)							
FINAL CLEARANCE								
CONTRACTOR REPRS: Bryan Verdun				C.O.E. REPRS: Bernard Bogna				
INSTRUCTIONS								
CONCRETE PLACING SHALL NOT BEGIN UNTIL EVERY ITEM IS CHECKED AND THE FINAL CLEARANCE IS SIGNED. IF ANY ITEM IS NOT APPLICABLE IT SHALL BE NOTED "NA" AND SIGNED. BEFORE APPROVING THE SAFETY REQUIREMENTS ITEM, A FINAL INSPECTION SHALL BE MADE OF ALL WORKING FACILITIES FOR CONCRETE PLACING SUCH AS SCAFFOLDS, LADDERS, PLATFORMS, ACCESS WAYS, ETC. TO ASSURE THAT THEY ARE ADEQUATE, SAFELY CONSTRUCTED AND IN READINESS. FINAL INSPECTION SUBJECT TO REVOCATION IF SUBSEQUENT INSPECTION REVEALS ANY DEFICIENCIES. IF SUMMONED BY THE CONTRACTOR TO CHECK AN ITEM AND IT IS FOUND TO BE UNSATISFACTORY, STATE IN THE REMARKS COLUMN THE TIME SUMMONED AND THE TIME REJECTED. ITEMS UNDER BLOCK "H" SHALL BE DETERMINED BY THE GOVERNMENT QUALITY ASSURANCE PERSONNEL AS THESE ITEMS APPLY TO THIS SPECIFIC CONTRACT OR STRUCTURE.								

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

THE OCR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
220

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

DATE  
Friday  
20 October 95

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 and Windy

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 58°	MAXIMUM 75°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 1-1	OFFICE	LAYOUT	INSPECTION 1-10½	TOTAL 2-11½	LABOR
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FEET 2.80'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 4-34	SKILLED 15-119	LABORERS 15-120	TOTAL 34-258	FROM 0730 M	TO 1800M	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; STRUCTURAL BACKFILL AND EMBANKMENT
- b. ACADIA REBAR-REINFORCEMENT
- 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. Readied and placed east side mono #3; readied and placed stab. slab from EB/L Sta. 73+75 to 74+50; repaired irregularities on mono's 140, 141, and 142 on floodside of west I-wall.
- b. Set reinforcement for base of mono #12 and top of #3; pretied one upper double mat.

Days of no work and reasons for same:

02,03,04, and 05 Oct 95 were 100% lost due to adverse weather wet ground conditions; 13 Oct 95 was 50% lost as well.

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

Progressive work was scheduled and performed by both Arcadia Rebar and B&K Construction. See CQC Report for details.

DATE SET FOR COMPLETION: 09 May 95

PERCENT PROJECT COMPLETE: 41.3%  
PERCENT TIME ELAPSED: 68.0%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended today:

- CONCRETE FLOODWALL: No instructions issued.
- STRUCTURAL BACKFILL: No instructions issued.
- EMBANKMENT: No instructions issued.
- REINFORCEMENT: No instructions issued.

Refer to PE Wagner's supplemental QA Report for today.

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

The following Preparatoy Inspection was held today:  
STRUCTURAL BACKFILL AND EMBANKMENT: See attached minutes for details.

THE FOLLOWING Follow-Up QA Inspections were held today:

CONCRETE FLOODWALL: Cleaned and oiled forms were readied and Mono #3 was placed. The pre-placement inspection (LMN 1246) was performed for mono #3 and it was found ready. QAR observed its placement and witnessed the testing by contr personnel; see results on CQC Report. The forms were plumb, properly aligned, and adequately braced. The 3-bulb waterstops, expansion material, chamfer strips, and embeded items were properly installed. The stab. slab was placed inside 4" screeds and floated off at elevation +3.00. Placement was made in the dry. Except for mono #2, which was being repaired, all mono's were properly wet cured; note remark on CQC Report. QAR observed tie rod holes, etc. being repaired within 24 hours of form removal.  
REINFORCEMENT: A re-steel clearance error was found and remedied before placing mono #3. The reinforcement was properly spaced, sized, located, cleaned and tied. It was installed in compliance with shop drawings.

CONTINUED

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
Bernard R Brogna	Const. Insp., GS-07	9½	QAR
Chris Wagner	Civ. Engr., GS-11	1	PE

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

Checked for use of personal protective equipment, back-up alarms, secured gas cylinders, and housekeeping. No problems noted except for housekeeping. Contr continued working on it daily. Trash containers are being arranged for which should solve most of the problem.

INSPECTOR'S SIGNATURE

BERNARD R BROGNA

DATE

23 Oct 95

SUPERVISOR'S INITIALS

LV

DATE

10/27/95

QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

QAR# 220

DATE 20 Oct 95

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

(CONTINUED FOR PAGE 1)

STRUCTURAL BACKFILL AND EMBANKMENT: The fill was placed in 8" and 12" lifts as required. Lifts were compacted with a dozer, backhoe, and approved Rammax Compacter. Lifts were placed in the dry, water was pumped from footing prior to placing, and deleterious matter was culled and removed from the work site. No testing has taken place at this time.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

NONE

REMARKS:

NONE

*Bernard R Brogna*  
BERNARD R BROGNA  
Inspector's Signature



## QUALITY ASSURANCE REPORT SUPPLEMENT

## QA Inspections Performed &amp; Results:

Checked contractor's operation when placing backfill behind the wall between Pumping Sta. #4 & R.E. Lee. Contractor was pumping out excess water prior to placing material, placing material in approx. 8" lift & then compacting it with a sheepfoot roller. Material appeared to be well compacted. (Testing will be done Monday).

## Instructions to COC/Remarks:

N/A

Chris Wagner  
NameProj Engr  
Title

B+K Construction  
DACW29-94-C-0079  
Structural Backfill and Embankment  
PREPARATORY AGENDA  
10-20-95

1. 24 hour notice given on 10-19-95
2. Check to see if all necessary personnel are present.
3. Review contract drawings, specifications, and submittals.
4. Discuss proposed methods of accomplishing this part of the work.
5. Discuss quality control measures and testing procedures, as well as reporting of both.
6. Review Job Hazard Analysis and discuss safety for this phase of work.
7. Come to agreement on the level of workmanship expected for this work.
8. Have all attendees sign the attendance register.



DACW29-94-C-0079  
Preparatory Inspection Minutes  
Structural Backfill and Embankment  
10-20-95

A preparatory meeting was held today to discuss the structural backfill and embankment phases of the project. Present for the meeting were Jerry Justice, Mike Tassin, and Jimmy Thornton representing B+K Construction, and Bernard Brogna and Chris Wagner representing the U.S. Army Corps of Engineers. The meeting was held in the field office of Mr. Brogna on the jobsite, and conducted by Mr. Justice.

Submittals for these phases of work were checked, and found to be up to date. Compaction equipment data was recently submitted by Proj. Manager Blake Andrews. The walk-behind vibrating sheepfoot roller-compactor by "RAMEX" will be used to compact 8" layers of Structural Backfill, and 12" layers of embankment in conjunction with the Komatsu D37 dozer. Density tests will be taken at the frequency of two tests per 500 l.f. on each 8" layer of Structural backfill. No density testing is required on embankment work. The embankment will be compacted in the same manner as the struct. backfill.

The top of existing levee will be scarified to 6" deep before placing the first 6" layer of embankment material. (All material will be existing soil from struct. excavation, with all unsuitable matter removed by hand.) Grade stakes will be set to control thickness of lifts, and placement/location of embankment material. Final or finished grade shall be built to elev's indicated on contract drawings, plus or minus 0.30' tolerance. Erosion control structures must remain in place and be maintained by the contractor until the Inspector agrees that requirements of new growth of seeded areas have been satisfied.

Structural backfill material will also come from structural excavation. Unsuitable matter will be removed from the backfill by hand. No fill will be placed in water - a 3" pump will be used to dewater the excavated area before starting any backfill work. Layers of soil will be no more than 8" thick, and compacted to 90% of max. Dry Density before placing successive layers. Moisture content of soil must be within the range of plus 5% to minus 3% of optimum moisture. Delta Testing will be performing all

soil tests on this project. They have already taken soil samples, and have established compaction curves for existing soil on the East Bank levee crown. West Bank samples and compaction curves are forthcoming. Delta Testing's credentials were previously submitted and approved by the Government for this project.

The frequency of testing was discussed next. Nuclear density tests must be taken on each 8" layer, two per 500 l.f. One sand cone verification test for every ten nuclear tests is required, as well as one Atterberg Limits Test at the same frequency. Moisture content tests (ASTM-D-2216) are required at each Nuclear Density Test to verify the moisture content read by Nuclear method.

Results of all these tests must be reported to the Government Inspector by the end of the following work-day.

MR. Wagner stated that previous structural backfill may not have been per spec's and if tests should fail, the area between East B<sub>2</sub> Sta. 102+67 and 107+00 will have to be stripped out and started over from scratch. MR. Thornton (Supt. in charge of this work) agreed to this condition, and stated that all future backfill work

will strictly comply with all contract requirements. An initial inspection will be conducted in two or three days to assure that this happens.

With all matters adequately discussed, and everyone present in agreement on the methods and level of workmanship required, the meeting was adjourned.

~~Jerry Justice~~

B+K Construction

Q.C. Representative

DACW29-94-C-0079

Attendance Register  
For Preparatory Inspection of  
Structural Backfill and Embankment

10-20-95

<u>NAME</u>	<u>REPRESENTING</u>
Jerry Justice	B&K Construction
Bernard Brogna	COE
Chas. Wagner	COE
Mike Tassi	B&K CONST.
Jimmy Thornton	B&K Const

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

DATE: 10/20/95

REPORT NO.: 274

SKIES: Pt. Cloudy - Windy! RAIN: 0 IN. TEMP.: MIN 58 MAX 75

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.8) NOISE: Moderate

WORK PERFORMED/LOCATION

B&K Construction - Wrecked forms at East Monolith #2 today. Formed and poured concrete at East Mono. #3. Completed structural excavation, formed and poured concrete stabilization slab from East B sta. 73+75 to sta. 74+50. Cut holes for re-steel at East Mono's #12 + #13. Patching defective concrete at East Mono #2 (not completed yet). Finishers patched and rubbed concrete at West I-Wall Monoliths #140, #141, and #142. Backfill continued on the East Bank, Flood side, between sta. 106+00 and Sta. 107+00. Surveyor set grades for stabilization slab and I-Wall form work. Laborer cut grass + weeds along the West Bank.

Arcadia Rebar - Tied bottom reinforcing steel at East Monolith #12. Set top steel mat at East Mono. #3. Pre-tied one more mat of Re-steel on the levee crown for future I-Wall stems.

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
15	Unskilled	120	B&K Const.	Reinforced concrete floodwall;
12	Skilled	104	"	structural excavation; stab.
3	Supt.	24	"	Slab work; Concrete finishing
1	Q.C. Rep.	10	"	work. (See Above)
3	Skilled	15	Arcadia Rebar	Tying re-steel for I-Walls (See Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	5	3	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	4	4	—
Case 580 Backhoe #1	—	yes	4	4	—
Case 580 Backhoe #2	—	yes	3	5	—
6" diesel Pump	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	yes
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	3	5	—
Koehring 405 Crane	—	yes	8	2	—
J.S.W. Excavator	—	yes	5	3	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc.#2	—	yes	2	6	—
EMV-300 Vib. Hammer	—	No	0	8	—

MATERIALS RECEIVED

Received 17 cubic yards of concrete (Thix #44-C) from Lafarge Conc. Co. today and placed this material in East Mono. #3. Also received 6.5 cu. yards of the same material for use in Stabilization slab, East B station 73+75 to sta. 74+50. Concrete delivery tickets were furnished to the Project Inspector, Alex Brogna.

TESTS PERFORMED

(As required by plans/specifications)

BTK Construction performed concrete tests and inspections on Thix #44-C, delivered by Lafarge Conc. Co. today. Results of these tests are documented on the attached Concrete Field Data Sheet. Three cylinders were molded for testing by the Government, and will be delivered to the C.O.E. Lab by BTK Construction company on Monday morning.

## INSPECTIONS PERFORMED

A Preparatory inspection was held today to discuss the structural backfill and embankment phases of the project. Methods of accomplishing this work were agreed upon, as well as testing requirements. Find minutes of these preparatory meetings attached to this report.

Inspected wet curing of completed I-Wal Monoliths today. East Monolith #2 was not covered or cured today (cement finisher was patching defective concrete). The curing blanket was not set on East Monolith #2 at day's end, as required. The foreman and Superintendent were informed of this deficient item. They stated that this problem would not occur again.

The remaining Monoliths on 7 day curing were kept wet and covered today (East Monoliths #4, #5, #6, #7, and #8). A laborer is assigned to wet walls down Saturday and Sunday.

Inspected spacing and clearances on Re-Steel at East Monolith #3. All steel clearances were good except for the Land side face of the wall stem steel, near the bottom of the stem. The clearance here was adjusted to 2 1/4", and more attention will be given to the steel clearance in this area from now on.

JOB SAFETY

(Note inspection, violations/actions taken)

Checked Reverse alarms on the 580 Backhoes and Motor Grader today. All three machines had working alarms on them, that were clearly audible whenever the transmissions were shifted to reverse.

Inspected the canal water for any sign of pollution from the contractor's activities today - None was found.

## REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

10-23-95

Date



FORM CHECK OUT FOR

STRUCTURES  
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO.  
 DACW29-94-C-0079

MONOLITH  
 East # 3

LIFT NO.  
 ONE

ELEVATION  
 from 3.00 to 14.40

DATE OF POUR  
 10-20-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	10-20-95	1:10	R...	10-20	1:10
VERTICAL	✓	"	"		"	"
ALIGNMENT	✓	"	"		"	"
CLEANLINESS	✓	"	"		"	"
B. CONCRETE PILING	N/A	N/A	N/A	N/A	N/A	N/A
ANGLE	N/A	N/A	N/A	N/A	N/A	N/A
HEADS	N/A	N/A	N/A	N/A	N/A	N/A
C. STAB. SLAB/JOINTS	Jmd	10-20	1:10	R...	10-20	1:10
CLEANLINESS	✓	"	"		"	"
WATERED	✓	"	"		"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	10-20	1:15	R...	10-20	1:15
VERTICAL	✓	"	"		"	"
HORIZONTAL	✓	"	"		"	"
SPACING	✓	"	"		"	"
CLEARANCES	✓	"	"		"	"
STEEL SCHEDULE	✓	"	"		"	"
SHOP DRAWINGS	✓	"	"		"	"
TIE WIRES	✓	"	"		"	"
#6 BAR WELDED	✓	"	"		"	"
CLEANLINESS	✓	"	"		"	"
WATERED	✓	"	"		"	"
E. FORMWORK	Jmd	10-20	1:20	R...	10-20	1:20
CONDITION	✓	"	"		"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmg	10-20	1:20	Brogna	10-20	1:20
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 29.88'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmg	10-20	1:25	Brogna	10/20	1:25
G. SAFETY (LIST)	Jmg	10-20	1:25	Brogna	10/20	1:25
1. Ladder	✓	"	"	✓	"	✓
2. Scaffold	✓	"	"	✓	"	✓
3. Rigging	✓	"	"	✓	"	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	10-20	1:25	Brogna	10/20	1:25
Expansion Joint	✓	"	"	✓	"	✓
FL340 Anchor Bolts	✓	"	"	✓	"	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Conc. Bucket	1	1.0 c.y.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
Generator	1	Multi-Quip	"	"				

J. REMARKS SLUMP = 5" + 5" ; AIR ENTR. = 5.5% + 6.0% ; CONCRETE TEMPS = 77° + 78° ;  
 AIR TEMPS = 73° + 73° ; 3 Test Cylinders (LA-89)

**FINAL CLEARANCE**

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

**INSTRUCTIONS**

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

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

DATE: 10-20-95

Pour Location East I-Wall Monolith #3 and stabilization slab, East B 73+75 to 74+60

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	3 AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.	
285714	1:50	2:45	4.0 <sup>o</sup>	10gal	5.0 x	78°	73°	5.5	3	2:10	9
285720	3:01	4:03	4.0 <sup>o</sup>	10gal	5.0 x	77°	73°	6.0	-	3:15	8
285745	4:31	5:28	3.0 <sup>o</sup>	15gal	4.5 <sup>o</sup>	78°	73°	-	-	4:45	6.5

REMARKS: Test Cylinder Set #LA-89

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 QAR WILL BE ATTACHED TO OR FILED WITH THE QAR

REPORT NUMBER  
219

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

DATE Thursday  
19 October 95

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

CONTRACT NUMBER  
DACW29-94-C-0079

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

WEATHER  
Clear to Ptly Cldy

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

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

MINIMUM	MAXIMUM
65	85

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

24 HOUR PRECIPITATION	
INCHES	ENDING
0.00	0730

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

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

FEET	TIME
2.60'	0800

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
4-37	16-116	17-142	37-295	0730	1800				

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; STRUCTURAL BACKFILL AND EMBANKMENT; SHEETPILE
- b. ARCADIA REBAR- REINFORCEMENT
- 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 monolith #10; placed stab. slab from EB/L 73+20-73+75; drove AZ-18 sheetpiles to elevation +5.25 from EB/L STa. 99+07-99+03; placed embankment and structural backfill from EB/L Sta. 105+00-106+00; set top pretied steel mat for mono #10.
- b. Set reinforcement for mono's #3 and #9 for east I-wall and pretied one wall stem.

Days of no work and reasons for same.

02,03,04, and 05 were 100% lost due to adverse weather/wet ground conditions; 13 Oct 95 was 50% lost as well.

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

Progressive work was scheduled and performed by both Arcadia Rebar and B & K Construction. See CQC Report for details.

DATE SET FOR COMPLETION: 09 MAY 95

PERCENT PROJECT COMPLETE: 41.3%  
 PERCENT TIME ELAPSED: 67.7%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN

The following CQC Inspection Phases were attended today:  
CONCRETE FLOODWALL: No Instructions issued.  
STRUCTURAL BACKFILL: No instructions issued.  
EMBANKMENT: No instructions issued.  
REINFORCEMENT: 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 made today:

**CONCRETE FLOODWALL:** The preplacement inspection (LMV 1246) for Mono #10 was performed and found ready. The forms were plumb, properly aligned and graded, and adequately braced. The 3-bulb waterstop, expansion material, chamfer strips, and embedded items were properly installed. The placement was observed and required tests witnessed; see attached for results. The slab was placed in-the-dry inside 4" forms at elevation +3.00. Gaps were found between curing blankets used on I-wall. The contractor secured the gaps and weighted down the blankets to form a good seal.

**REINFORCEMENT:** The reinforcement was found installed as shown on the shop drawings. Bars were properly sized, spaced, cleaned, tied, and located.

**STRUCTURAL BACKFILL AND EMBANKMENT:** The fill was placed in 8" and 12" lifts as required. They were placed in the dry; water was pumped out prior to placement. Deleterious matter was culled and removed before placement. A backhoe, dozer and Rammax compacter were used for compaction. Lifts weren't tested as required.

**STEEL SHEETPILES:** They contractor was unable to drive more than two sheets with the equipment on hand. They were driven to elevation +5.25 as required. He's now changing equipment.

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

Instructions #1-5 on yesterday's QA Report were reiterated to CQC Rep Jerry Justice. Note his positive response on his CQC Report.

**CONTROVERSIAL MATTERS IN DETAIL**

NONE

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

NONE

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

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

GOVERNMENT PERSONNEL ON SITE			
NAMES	DESIGNATION	HRS. ON SITE	DUTIES
Bernard R Brogna	Const. Insp., GS-07	8	QAR

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

CQC Rep Jerry Justice was told to complete safety check, including load test, on Koehring 405. A suspension date 23 Oct was given. He was told to ensure eye protection used as needed. Housekeeping is being addressed at this time; still needs improvement. No other problems noted today.

INSPECTOR'S SIGNATURE BERNARD R BROGNA	DATE 20 Oct 95.	SUPERVISOR'S INITIALS <i>YJB</i>	DATE 10/24/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 10/19/95

REPORT NO.: 273

SKIES: Clear - Pt. Cloudy    RAIN: 0    IN. TEMP.: 65 MIN 85 MAX

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

WORK PERFORMED/LOCATION

① B&K Construction - wrecked forms at East Mono. #7, then patched holes from tie-bolts. Set forms and poured concrete at East Monolith #10 today. Formed and poured stabilization slab from East B Sta. 73+20 to 73+75. Attempted to drive down AZ-18 Sheet piles to elev. +5.25 with a rented K-20 hammer. Only accomplished this from sta. 99+07 to 99+03 East B; Piling are hitting refusal and will not drive down to grade. Continued building embankment and placing backfill between East B Sta. 105+00 and 106+00. Set burlene blankets and began wetting them periodically at East Mono's #4, 5, 6, 7, and #8. B&K Const. had to set top re-steel at East Mono. #10 (Arcadia Rebar not here in the A.M.)

② Arcadia Rebar - Tied reinforcing steel at East I-Wall monoliths #9 and #3 (bottom steel only). Pre-tied one mat of re-steel for future placement in I-Wall stems.

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
17	Unskilled	142	B&K Const.	Reinforced Concrete Floodwall;
12	Skilled	100	"	Stabilization Slab; Driving AZ-18
3	Supt.	28	"	Sheet piles; Building embankment
1	Q.C. Rep	9	"	Placing backfill; setting re-steel in place. (See Locations Above)
4	Skilled	16	Arcadia Rebar	Tying Reinforcing Steel (See Locations Above)

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	Yes	5	3	—
Komatsu D37P Dozer	—	Yes	3	5	—
Kubota 151 Excavator	—	Yes	6	2	—
Case 580 Backhoe #1	—	Yes	4	6	—
Case 580 Backhoe #2	—	Yes	4	6	—
6" diesel pump	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	Yes
Fiat-Allis MotorGrader	—	Yes	2	6	—
Mantis 3612 Crane	—	Yes	6	2	—
Koehring 405 Crane	—	Yes	8	2	—
J.S.W. Excavator	—	Yes	4	6	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc.#2	—	Yes	3	5	—
MKT V-20 hammer	Rental	Yes	5	3	—
EMV 300 Vib, hammer	—	No	0	8	—

MATERIALS RECEIVED

Received 17 cu.yards of concrete Mix #44-C from Lafarge Conc. Co. for East I-wall Monolith #10, and 4 cu.yards of Mix #44-C for Stabilization Slab (East of Sta. 73+20 to 73+75).

TESTS PERFORMED  
(As required by plans/specifications)

Delta Testing performed vibration monitoring on the East Bank at B station 99+00 (approximate). Results are furnished only to the Orleans Levee Board. The technicians on duty for Delta stated that no excessive vibrations were noted today.

Concrete tests and inspections were done by BTK Construction on Mix #44-C concrete delivered by Lafarge Conc. Co. today. Find the results of these tests attached to this report on the Concrete Field Data Summary Sheet.



Inspected the wet curing of completed I-Wall Monoliths today. Walls were not kept wet all day as required. The foreman and Supt. were instructed to take measures to correct this problem. A laborer will be assigned full time to keep burlene closed up, wet, and weighted down to prevent movement. A man will be assigned to wet walls over the weekend.

Inspected structural backfill work being done on the East Bank. I informed the Supt. in charge of this work as well as the Project Supt. that the material must be placed and compacted in 8" layers, then each lift must be tested prior to placing the next layer. The methods of placing backfill will be addressed and corrected by tomorrow (preparatory inspection to be held on this phase tomorrow).

General housekeeping still needs to be improved on the East Bank (Mirabeau → Pump. Sta. #4). Materials need to be stacked neatly. Concrete over-pour debris must be removed from the levee crown. Trash clean-up is needed. These things were directed to the foreman and Superintendent today for corrective action.

## JOB SAFETY

(Note inspection, violations/actions taken)

Inspected the spreader beam and rigging used for lifting I-Wall forms. No defects or worn parts were found. Also checked the rigging on concrete bucket. Wire rope slings were in good condition. A safety latch was in place on the head-ache ball hook and two-part block as well.

Checked the job for any equipment oil leaks. Only minor leaks were observed, with no contamination of existing soil or water.

## REMARKS

(Instructions received, miscellaneous remarks)

INSPECTOR ALEX BROGNA instructed us to complete all items on the Koehring 405 Crane Safety Checklist by Monday Morning OR take the crane out of service at that time. The "Load Test" will be scheduled for first thing Monday morning. He also instructed us to provide eye protection for workers pouring concrete. I placed an order for 10 pairs of safety glasses for Monday A.M.

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

Jerry Justice

Authorized O C Representative

10-20-95

Date

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmg	10-30	1:45	Brogna	10-30	1:45
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.88'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	Jmg	10-30	1:50	Brogna	10-30	1:50
G. SAFETY (LIST)	Jmg	10-30	1:50	Brogna	10-30	1:50
1. Ladder	✓	"	"	✓	"	"
2. scaffold	✓	"	"	✓	"	"
3. Rigging	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmg	10-30	1:55	Brogna	10-30	1:55
FL340 Anchors	✓	"	"	✓	"	"

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Komatsu 200	1	Excavator	3:00	1 3/4				
Concrete Bucket	1	1 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				
Generator	1	Multi Quip	"	"				

J. REMARKS  
 SLUMP = 4 1/2" + 5" ; AIR ENTR. = 5.0% + 5.7% ; CONCRETE TEMPS = 70° + 71° ;  
 AIR TEMPS = 70° + 70° ; 3 Test Cylinders (LA-95)  
 FINAL CLEARANCE

CONTRACTOR REPRS: *Jerry M Justice* C.O.E. REPRS: *Bernard R Brogna*

**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  
 East # 10

LIFT NO.  
 ONE

ELEVATION  
 from 3.00 to 14.40

DATE OF POUR  
 10-19-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	10-19-95	1:20	Brogra	10/19	1:45
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	Jmd	10-19	1:30	Brogra	10/19	1:45
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	10-19	1:35	Brogra	10/19	1:30
VERTICAL	✓	"	"	✓	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	Jmd	10-19	1:35	Brogra	10/19	2:00
CONDITION	✓	"	"	✓	"	"

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

DATE: 10-19-95

Pour Location East I-Wall Monolith # 10 and Stabilization Slab, East @ 73+20 to 73+75.

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C

Required Strength 3000 psi  
at 90 days

TICKET NO	TIME ARRVD	TIME CPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
285394	2:05	2:35	3.5 <sub>o</sub>	10gal	4.75 <sub>x</sub>	80° 82°	5.7	3	2:20	9
285423	2:50	3:56	5.0 <sub>o</sub>	-0-	5.0 <sub>x</sub>	79° 82°	6.0	-	3:05	8
285447	3:40	4:50	3.0 <sub>o</sub>	5gal	4.0 <sub>o</sub>	79° 80°	-	-	3:50	4

REMARKS: Test Cylinder Set # LA-88

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  
218

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

DATE A composit for the period  
14-18 Oct 95; Sat-Wed

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 and 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 58°	MAXIMUM 84°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.00"	ENDING 0730
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 1-3 hrs	OFFICE	LAYOUT	INSPECTION 2-25 hrs	TOTAL 3-28 hrs	LABOR
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FEET 2.10'-2.40'	TIME 0800
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 4-105 hrs	SKILLED 16-382 hrs	LABORERS 16-396 hrs	TOTAL 36-883hrs	FROM 0730	TO 1800	FROM	TO	FROM	TO
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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 Backfill & Embankment; Steel Sheet Piles.
- b Arcadia Rebar- Reinforcement

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 mono's 2,5,6,7 and 8; placed stab. slab from E B/L 70+30-70+10 and 72+80-73+20; finishing mono's 134,135,136,137,138 and 139--flood side; place structural backfill and embankment form E B/L 104+00-106+00; drove AZ-18 back down to elev. +5.25' from E B/L 99+15 to 99+07. B. Set reinforcement for mono's 2,5,6,7,8 and 10 on the East side.

Days of no work and reasons for same:

02,03,04, and 05 were 100% lost due to adverse weather/wet found conditions; 13 Oct 95 was 50% lost as well.

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

Progressive work was scheduled and performed on 16,17, and 18 Oct 95 by both B & K Const. and Arcadia. See attached CQC Reports.

DATE SET FOR COMPLETION: 09 MAY 95

PERCENT PROJECT COMPLETE: 41.3%

PERCENT TIME ELAPSED: 67.7%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended by QAR Brogna on 18 Oct 95:

REINFORCED CONCRETE FLOODWALL: See instructions given.

STRUCTURAL BACKFILL: See instructions given.

EMBANKMENT: See instructions issued.

REINFORCEMENT: No instructions given.

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

The following Follow-Up QA Inspections were made after 1400 hrs on 18 Oct 95:  
**REINFORCED CONCRETE FLOODWALL:** QAR observed the contr install chamfer and plumb mono's # 2 & 7. QAR and CQC performed the pre-placement check (form LMV 1246) for both and found them ready for placement. QAR witnessed the contr molding cylinders and taking slumps and air entrainment checks; see attached. QAR noted that previously placed mono's were improperly wet cured; see below.  
**STRUCTURAL BACKFILL AND EMBANKMENT:** QAR found that the backfill wasn't tested at eachlift as required and that the Preparatory Meeting hadn't taken place as required; see below. QAR noted the standing water was removed prior to back filling. Material was culled of deleterious mater and spread into lifts with back-hoe and dozer, and compacted with the approved Rammax compacter.  
**REINFORCEMENT:** QAR observed the sub setting re-steel for momo # 10; bars were properly cleaned, located, spaced, sized, and tied.  
**NOTE:** The contr had driven AZ-18's proir to QAR arrival on site; he reported very hard driving and began changing out vibratory hammer for a one of greated capacity.

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

The following instructions were given to CQC Rep Jerry Justice: 1) Ensure structural backfill and embankment be placed in respective 8" or 12" lifts, tested where required prior to placing the subsequent lifts. 2) Schedule the required Preparatory Meetings. 3) Ensure mono's 4,6,8, and 5 are properly wet cured including adding an additional day. 4) Ensure gas bottles are stored upright and securly tied. 5) Address housekeeping needs immediately. The contr concurred and began remedies today.

**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		DUTIES
	DESIGNATION	HRS. ON SITE	
BERNARD R BROGNA	Const. Insp., GS-07	6	QAR
CHRIS WAGER	Civ. Engd., GS-11	2	PE

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

As noted above under instructions. No other problems noted.

INSPECTOR'S SIGNATURE BERNARD R BROGNA	DATE 20 Oct 95	SUPERVISOR'S INITIALS [Signature]	DATE 10/25/95
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# QUALITY ASSURANCE REPORT SUPPLEMENT

**QA Inspections Performed & Results:** Observed personnel finishing  
previously placed concrete I-wall. Air holes  
& voids being filled with sand cement mix  
Checked I-wall formwork & rebar prior to  
concrete placement. Observed concrete placement  
into forms near Mirabeau Ave. & witnessed air  
& slump tests & making of cylinders.  
Welders also cutting holes to pass rebar  
thru sheet piling. Safety goggles & gloves  
worn when cutting sheets.

**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: 10/18/95

REPORT NO.: 272

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 62 MIN 84 MAX

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

WORK PERFORMED/LOCATION

- ① B&K Construction - Wrecked East Monoliths #8 and #5. Cleaned, oiled, and then set these forms at East Mono's #2 and #7. Poured concrete at East Monoliths #2 and #7 today. Welded #6 rebar on top of CZ-101 sheets at East Monolith #12. Installed one bond cable at East Mono. Joint #1-2 on Tuesday, 10-17-95, but was omitted from that day's report. Drove down AZ-18 sheet piles to elev. +5.25 from E. B. Sta. 99+15 to Sta. 99+07 (Much difficulty was encountered in driving AZ-18's back down to el. +5.25). Continued backfilling, building embankment, and compacting soil between East B. Sta. 104+00 and 106+00. Laborers cleaned up debris in this same area, cut grass along the levee, and helped with concrete work. Repairs of water lines continued along E. B. 70+20 → 84+40. Cement finishers patched Canal side of West Mono's #138 + #139. Also patched tie-bolt holes at East Mono's #8 and #5. B&K carpenters set and tied top re-steel at East Mono. #7 today.
- ② Arcadia Rebar - Tied bottom reinforcing steel at East Monoliths #10 and #101. Set top steel mat at East Mono. #2, and pre-tied two more mats of steel for future placement in I-wall stems.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
15	Unskilled	142	B&K Const.	Reinforced Concrete Floodwall;
12	Skilled	114	"	Structural Backfill & Embankment;
3	Supt.	28	"	Cathodic Protection; Cement finishing;
1	Q.C. Rep.	10	"	Survey/Layout
				(See Locations Above)
2	Skilled	14	Arcadia Rebar	Tying and placing 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	3	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	6	2	—
Case 580 Backhoe #1	—	yes	4	6	—
Case 580 Backhoe #2	—	yes	4	6	—
6" diesel pump	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	yes
Fiat-Allis MotorGrader	—	Yes	2	8	—
Mantis 3612 Crane	—	yes	5	3	—
Koehring 405 Crane	—	yes	8	2	—
J.S.W. Excavator	—	yes	2	8	—
Welding Machine	—	yes	2	8	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc.#2	—	yes	3	5	—
Foster Vib. Hammer	—	yes	4	4	—
EMU-300 Hammer	—	No	0	8	—

MATERIALS RECEIVED

Received 27 cubic yards of concrete mix #44-C from Lafarge today. Placed approx 16.5 yards in East Mono. #7, and 10.5 yards in East Mono. #2. Delivery tickets and all necessary batch information were provided to the Government Inspector today.

TESTS PERFORMED  
(As required by plans/specifications)

B&K Construction performed concrete tests and inspection on mix #44-C from Lafarge Concrete Company today. Results can be found on the attached Concrete Field Data Summary sheet. cylinders were molded, and will be delivered to the Corps. Delta Testing performed vibration monitoring on the East Bank near station 99+00 today. Results of these tests are only furnished to the Orleans Levee Board.

Inspecte formwork and cone te placement on the East Bank today. Form condition was good, including fractured tin form liner. They were clean and sprayed with the approved form release agent prior to being set. Two x four blocks were set to back up the steel forms before setting them, to insure proper alignment from G. Control marks were used to align forms and set them to correct elevation. Plumb-bobs were used at each end of the forms to insure plumbness and alignment. String-lines were then used to keep the center of the forms aligned.

Also checked the finishing work done on ready-mix concrete and at patching/repairing of I-Wall surfaces. No defects in workmanship were found in either portions of this work. Finish on all exposed concrete is Class 'A', and subject to final inspection and approval by the Government.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked scaffolds + handrails on I-wall forms today. One of the forms needs additional scaffold support brackets. These are ordered already, but the stability of the scaffold and walk boards is good. Handrails midrails and toe boards were all in place and in good condition. Ladders were also found to be in good condition, resting on stable ground, and tied off at the top.

## REMARKS

(Instructions received, miscellaneous remarks)

Inspector Alex Brogna will be replacing Inspector Zane Bryant as Project Inspector beginning today.

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

Jerry Justian

Authorized Q C Representative

10-19-95

Date

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

DATE: 10/17/95

REPORT NO.: 271

SKIES: Pt. Cloudy

RAIN: 0 IN. TEMP.: 60 MIN 83 MAX

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

WORK PERFORMED/LOCATION

B&K Construction - Wrecked forms at East Monolith #6 today. Formed and poured concrete at East Mono. #5. Poured concrete in stabilization slab forms from E. B Sta. 72+60 to sta. 73+20. Cut holes for rebar to pass through C2-101 sheet piles at East Mono's #10 and #11. Welded #6 rebar on top of C2-101 sheets (Bond Bars) at East Mono's #9, #10, and #11. Loaded up and hauled off Rip-Rap between E. B Sta. 99+70 and 95+50. Cut holes for rebar, and welded #6 rebar to top of C2-101 sheets at East Mono. #10. Cement finishers patched tie-bolt holes at East Mono. #6, and finished concrete at East Mono. #5 and stabilization slab poured today. Also patched & repaired concrete surfaces at WEST Mono's #136 and #137 today. Laborer cut grass and cleaned up office trailers.

Arcadia Rebar - Tied reinforcing steel for I-Wall at East Monolith #7, set top steel mat at East Monolith #5, and pre-tied two mats of re-steel for placement in future I-Wall stems.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
16	Unskilled	142	B&K Const.	Wrecking and setting I-Wall
12	Skilled	98	"	forms; Pouring concrete I-Wall
2	Supt.	20	"	and stab. Slab; welding bond bars
1	O.C.Rep	9	"	to C2-101 sheet piles; cutting holes
				in sheets for rebar; Finishing
				concrete and concrete surfaces
4	Skilled	24	Arcadia Rebar	Tying and placing reinforcing
				steel for I-Wall (See Above)

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	3	5	—
Case 580 Backhoe #1	—	Yes	3	5	—
Case 580 Backhoe #2	—	Yes	3	5	—
6" diesel pump	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	Being Repaired
Fiat-Allis MotorGrader	—	Yes	2	6	—
Mantis 3612 Crane	—	Yes	3	5	—
Koehring 405 Crane	—	Yes	4	3	—
J.S.W. Excavator	—	Yes	2	6	—
Welding Machine	—	Yes	3	5	—
Compressor + Sandblaster	—	No	0	8	—
Komatsu 200 Exc. #2	—	Yes	3	5	—
Foster Vib. Hammer	—	No	0	8	—
E.M.V. -300 Vib. Hammer	—	No	0	8	—

MATERIALS RECEIVED

Received 21 cubic yards of ready-mix concrete (mix #44-c) from Lafarge Conc. Co. today. Placed approximately 17 cubic yards of this material in East T-wall Mono. #5 and 4 c.y. in Stabilization Slab (E.R. Sta. 72+60 → 73+20).

TESTS PERFORMED

(As required by plans/specifications)

B&K Const. Co. personnel (Steve Thome) performed concrete tests and inspections on material shown above. Slumps, Entrained Air Contents, Temperatures, etc. were within specified ranges (see attached "Concrete Field Data Summary Sheet for details").

## INSPECTIONS PERFORMED

Inspected stabilization slab work done today. Btm. of structural excavation was graded to elev. +2.60 approximate. Forms were set to top of slab elev. +2.95. (Approx. 0.05' allowance for shims is calculated into this work.) Width of slab was  $\pm 5'-2"$ , with approx. 2'-10" on the Canal Side and 2'-4" on the Land Side. Thickness of slab was found to be 4 $\frac{1}{2}$ " to 5". No standing water was present, and the underlying soil was largely undisturbed. Bond cables had all been installed prior to this work, and holes backfilled and compacted.

Also inspected the layout and cutting of holes for rebar to pass through AZ-180 sheet piles. Holes for vertical #6 bars were marked and cut at 12" apart maximum, spaced to miss sheet pile interlocks. Holes were approx. 4" above stabilization slab grade, and did not exceed 2" in diameter vertically. Horizontally the holes were slotted to 4" wide in the web portion of the AZ-18 sheets, to allow room for two #6 bars to be placed side by side.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked spreader beam and lifting cables on T-Wall form lifts. Wire rope slings were all in good condition. Spreader beam showed no signs of fatigue or defects. Shackles were also in good condition. Checked canal for any pollution caused by construction. No sign of debris or pollution was noted.

## REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

10-18-95  
Date

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

DATE: 10/16/95

REPORT NO.: 270

SKIES: Pt. Cloudy

RAIN: 0

IN. TEMP.: 58 MIN 82 MAX

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

WORK PERFORMED/LOCATION

① B+K Construction - No work Saturday or Sunday (10-14-95 and 10-15-95)

Monday (10-16-95) B+K Construction - Completed forming East I-Wall Monoliths #6 and #8. Poured concrete at East Mono's #6 and #8 today. Formed up and poured concrete at Stabilization Slab from E. B Sta. 70+30 back to sta. 70+20. Cement finishers completed repair work on West Monoliths #134, 135 + half of #136 (Canal Side). Also finished I-Wall and stab. Slab concrete. Patched holes from tie-bolts on East Mono. #4 Moved I-Wall forms from the yard to the work area at East B Sta. 99+69. Sandblasted coal tar off of AZ-18 sheets where holes must be cut tomorrow. Graded structural excavation for slab work tomorrow (past sta. 73+00 E. B). Operator continued working on backfill, embankment, and clean up of debris at East B Sta. 104+00 through 106+00.

② Arcadia Rebar - Tied bottom reinforcing steel at East Mono's #2 and #5. Pre-tied two more steel mats for future placement in I-Wall stems. Also set top steel mat at East Monolith #8.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
13	Unskilled	112	B+K Const.	Forming + Pouring I-Wall;
11	Skilled	112	"	Forming + Pouring Stab. Slab;
3	Supt.	28	"	Finishing concrete surfaces;
1	Q.C. Rep.	10	"	Mobilizing I-Wall forms to P.S. #4;
				Sandblasting coal tar; Grading
				excavation; Working on backfill
				and embankment (See Above)
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 1	—	Yes	5	3	—
Komatsu D37P Dozer	—	Yes	3	5	—
Kubota 151 Excavator	—	Yes	3	7	—
Case 580 Backhoe #1	—	Yes	3	7	—
Case 580 Backhoe #2	—	Yes	3	7	—
Koehring 535 Crane	Departed	NO	0	8	Removed
MKT Vibro Hammer	—	NO	0	8	Being Repaired
Fiat-Allis MotorGrader	—	NO	0	8	—
Mantis 3612 Crane	—	Yes	4	6	—
Koehring 405 Crane	—	Yes	7	3	—
J.S.W. Excavator	—	Yes	3	7	—
Welding Machine	—	NO	0	10	—
Compressor + Sandblaster	—	Yes	3	7	—
Komatsu 200 Exc.#2	—	Yes	5	5	—
Foster Vib. Hammer	—	NO	0	10	—
EMV-300 Vib. Hammer	—	NO	0	10	—

MATERIALS RECEIVED

Received 34 cubic yards of Concrete Mix #44-C from Lafarge Conc. Co. today. Placed half of this material in East Manolith #6 and half in East Mono. #8. Approximately one cubic yard left over at the end of the second wall pour was placed in slab, slab East B Sta. 70+30 to 70+20. Copies of delivery tickets were provided to the Govt. Inspector today.

TESTS PERFORMED

(As required by plans/specifications)

B&K Construction tested and inspected concrete and molded test cylinders today from mix #44-C delivered by Lafarge Conc. Co. Test cylinders will be delivered to the Government Lab on Wednesday A.M. by B&K Const. Co. personnel. Results of field concrete tests can be found on the attached Concrete Field Data Summary Sheet.



## INSPECTIONS PERFORMED

Inspected installation of anchor bolts for Feeder Line 340. Stainless steel bolts  $\frac{5}{8}$ " x 10" long were set in the Canal Side I-Wall form plywood. Retaining nuts and washers were used to hold bolts securely until after concrete sets up. (Stainless steel nuts + washers were used inside the form, and will remain in the concrete wall.) Layout of anchor bolts was 7" down from the beginning point of chamfer (at elev. +5.92), and approximately 3.6' apart, center to center.

Inspected the installation of 3-bulb type waterstop in I-Wall concrete today. Waterstop was sandwiched between form bulkhead members in a manner such as to prevent unwanted movement during concrete placement. It was centered in the I-Wall, and extended from 3" above the btm. of the wall to 6" below the top of the wall. The waterstop was set parallel with the wall, with minimal deflection from top to bottom.

## JOB SAFETY

(Note inspection, violations/actions taken)

Replaced wire rope on Mantis Crane, as slack line condition caused damage on the drum to old wire rope. Operator Jody Leonard supervised the installation of new wire rope, and okayed the crane for regular use again.

Checked the oil/fuel containment dike in the yard at Robert E. Lee Blvd. Found no breaks or gaps in the containment dike.

## REMARKS

(Instructions received, miscellaneous remarks)

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

Jerry Justice  
Authorized Q C Representative

10-17-95  
Date

FORM CHECK OUT FOR

STRUCTURES  
 REINFORCE  CONCRETE FLOODWALL

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

CONTRACT NO.  
 DACW29-94-C-0079

MONOLITH  
 East # 5

LIFT NO.  
 ONE

ELEVATION  
 from 3.00 to 14.40

DATE OF POUR  
 10-17-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	10-17-95	12:00	g/w	10-17-95	12:05
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	Jmd	10-17	12:00	g/w	10-17-95	12:08
CLEANLINESS	✓	"	"		"	"
WATERED	✓	"	"		"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	10-17	12:05	g/w	10-17-95	12:10
VERTICAL	✓	"	"			
HORIZONTAL	✓	"	"			
SPACING	✓	"	"			
CLEARANCES	✓	"	"			
STEEL SCHEDULE	✓	"	"			
SHOP DRAWINGS	✓	"	"			
TIE WIRES	✓	"	"			
#6 BAR WELDED	✓	"	"			
CLEANLINESS	✓	"	"			
WATERED	✓	"	"			
E. FORMWORK	Jmd	10-17	12:10	g/w	10-17-95	12:15
CONDITION	✓	"	"		"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmd	10-17	12:10	yes	10-17-95	12:15
CLEANLINESS	✓	"	"	↓	↓	↓
RELEASING AGENT	✓	"	"	↓	↓	↓
TIES AND BOLTS	✓	"	"	↓	↓	↓
LENGTH 28.85'	✓	"	"	↓	↓	↓
WIDTH 1.75'-1.00'	✓	"	"	↓	↓	↓
HEIGHT 11.40'	✓	"	"	↓	↓	↓
WATERSTOPS	✓	"	"	↓	↓	↓
CHAMFER STRIPS	✓	"	"	↓	↓	↓
F. WEATHER PROTECTION	Jmd	10-17	12:15	yes	10-17-95	12:20
G. SAFETY (LIST)	Jmd	10-17	12:15	yes	10-17-95	12:20
1. Rigging	✓	"	"	✓	"	"
2. Ladder	✓	"	"	"	"	"
3. Scaffold	✓	"	"	"	"	"
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	10-17	12:15	yes	10-17-95	12:20
FL370 Anchor Bolts	✓	"	"	↓	↓	↓

I. EQUIPMENT USED	CONTRACTOR				C.O.E.			
	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Koehring 405	1	Crane	1:30	2 1/2				
Concrete Bucket	1	1.0 c.y.	"	"				
Concrete Vibrator	1	18' shaft	"	"				

J. REMARKS  
 SLUMP = 3.5" + 4" ; AIR ENTR. = 6.0% + 5.2% ; CONCRETE TEMPS = 80° + 78° ;  
 AIR TEMPS = 84° + 83° ; 3 Test Cylinders (LA-85)

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.

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

DATE: 10-17-95

Pour Location East I-Wall Monolith #5 and Stabilization  
Slab - East B 72+60 to 73+20.

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.
284702	1:00	2:06	3.0 o	10 gal	4.0 x	80° 87°	6.0	3	1:50	9
284758	2:10	3:25	2.5 o	10 gal	3.5 x	78° 83°	5.2	-	2:30	8
284793	3:27	4:18	2.0 o	7 gal	3.5 o	80° 83°	-	-	3:40	4

REMARKS: Test Cylinder Set #LA-85

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

TECHNICIAN:  
Steve Home

FOR 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 East # 8

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 10-16-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	Jmd	10-16-95	3:00	ZOB	10-16-95	1515
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	10-16	3:00	ZOB	10-16-95	1515
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	Jmd	10-16	3:05	ZOB	10-16-95	1520
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	Jmd	10-16	3:10	ZOB	10-16-95	1525
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	Jmd	10-16	3:10	ZLB	10-16-95	1525
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.86'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	Jmd	10-16	3:15	ZLB	10-16-95	1530
G. SAFETY (LIST)	Jmd	10-16	3:15	ZLB	10-16-95	1530
1. Ladder	✓	"	"	✓	✓	✓
2. Scaffold	✓	"	"	✓	✓	✓
3. Rigging Check	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	Jmd	10-16	3:15	ZLB	10-16-95	1530
FL340 Anchor Bolts	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Koehring 405	1	Crane	3:55	2				
Concrete Bucket	1	1.0 c.y.	"	2				
Concrete Vibrator	1	18' shaft	"	2				

J. REMARKS  
 SLUMP = 3.5" ; AIR ENTR. = 6.0% ; CONCRETE TEMPS = 80° ;  
 AIR TEMPS = 82° ; 3 Test Cylinders (LA-84)  
**FINAL CLEARANCE**

CONTRACTOR REPRS: Jeremy M. Justice C.O.E. REPRS: [Signature]

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

FORM CHECK OUT FOR

STRUCTURES  
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO. DACW29-94-C-0079

MONOLITH East # 6

LIFT NO. ONE

ELEVATION from 3.00 to 14.40

DATE OF POUR 10-16-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JMD	10-16-95	1:00	ZAB	10-16-95	1300
VERTICAL	✓	"	"	✓	10-16-95	✓
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	10-16	1:00	ZAB	10-16-95	1300
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JMD	10-16	1:05	ZAB	10-16-95	1305
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JMD	10-16	1:10	ZAB	10-16-95	1310
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	10-16	1:10	ZJB	10-16-95	13:10
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.86'	✓	"	"	✓	✓	✓
WIDTH 1.75'-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	10-16	1:15	ZJB	10-16-95	13:15
G. SAFETY (LIST)	JmJ	10-16	1:15	ZJB	10-16-95	13:15
1. Eye Protection	✓	"	"	✓	✓	✓
2. Ladder	✓	"	"	✓	✓	✓
3. Scaffold	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	10-16	1:15	ZJB	10-16-95	13:15
FL340 Anchor Bolts	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Korhring 405	1	Crane	1355	2.25				
Concrete Bucket	1	10 c.y.	"	"				
concrete Vibrator	1	18' whip	"	"				

J. REMARKS SLUMP = 3" ; AIR ENTR. = 5.5 % ; CONCRETE TEMPS = 80° ;  
 AIR TEMPS = 82° ; 3 Test Cylinders (LA-84)

FINAL CLEARANCE  
 CONTRACTOR REPRS: *Joseph Justice* C.O.E. REPRS: *John 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.



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

DATE: 10-16-95

Pour Location East I-Wall monoliths # 6 and # 8

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used #44-C

Required Strength 3000 psi  
at 90 days

TICKET NO	TIME ARRVD	TIME CPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
284409	1:55	2:27	1.50	15gal	3.0 x	80° 82°	5.5	3	2:15	9
284423	2:26	3:16	4.00	-0-	4.00	79° 82°	-	-	2:45	8
284459	3:55	5:15	2.50	10gal	3.5 x	80° 82°	6.0	-	4:15	9
284466	5:15	6:07	2.00	10gal	3.00	80° 82°	-	-	5:20	8

REMARKS: Test Cylinder Set # LA-84

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

TECHNICIAN:  
Steve Thome

FORM CHECK OUT FOR  STRUCTURES  
 REINFORCED CONCRETE FLOODWALL

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

CONTRACT NO.

DACW29-94-C-0079

MONOLITH  
 East # 7

LIFT NO.  
 ONE

ELEVATION  
 from 3.00 to 14.40

DATE OF POUR  
 10-18-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	<i>Jmd</i>	10-18-95	1:10	<i>Brogna</i>	10-18	1:10
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	<i>Jmd</i>	10-18	1:10	<i>Brogna</i>	10-18	1:10
CLEANLINESS	✓	"	"	"	"	"
WATERED	✓	"	"	"	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	<i>Jmd</i>	10-18	1:15	<i>Brogna</i>	10-18	1:15
VERTICAL	✓	"	"	"	"	"
HORIZONTAL	✓	"	"	"	"	"
SPACING	✓	"	"	"	"	"
CLEARANCES	✓	"	"	"	"	"
STEEL SCHEDULE	✓	"	"	"	"	"
SHOP DRAWINGS	✓	"	"	"	"	"
TIE WIRES	✓	"	"	"	"	"
#6 BAR WELDED	✓	"	"	"	"	"
CLEANLINESS	✓	"	"	"	"	"
WATERED	✓	"	"	"	"	"
E. FORMWORK	<i>Jmd</i>	10-18	1:15	<i>Brogna</i>	10-18	1:15
CONDITION	✓	"	"	"	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JMD	10-18	1:20	Brogan	10-18	1:20
CLEANLINESS	✓	"	"	✓	"	"
RELEASING AGENT	✓	"	"	✓	"	"
TIES AND BOLTS	✓	"	"	✓	"	"
LENGTH 28.87'	✓	"	"	✓	"	"
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"
HEIGHT 11.40'	✓	"	"	✓	"	"
WATERSTOPS	✓	"	"	✓	"	"
CHAMFER STRIPS	✓	"	"	✓	"	"
F. WEATHER PROTECTION	JMD	10-18	1:25	Brogan	"	1:25
G. SAFETY (LIST)	JMD	10-18	1:25	✓	"	"
1. Ladder	✓	"	"	✓	"	"
2. Scaffold	✓	"	"	✓	"	"
3. Rigging Check	✓	"	"	✓	"	"
H. OTHER CHECKS PER SPECIFIC JOB	JMD	10-18-95	1:25	Brogan	"	"
FL340 Anchor Bolts	✓	"	"	✓	"	"

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Keehring 405 Crane	1	Friction	1:50	2				
Concrete Bucket	1	1.0 c.y.	1:50	2				
Concrete Vibrator	1	18' shaft	1:50	2				
Generator	1	Multi-Quip	1:50	2				

J. REMARKS SLUMP = 4 1/4" + 3 1/2" ; AIR ENTR. = 5.9% + 6.2% ; CONCRETE TEMPS = 81° + 80° ;  
AIR TEMPS = 82° + 82° ; 3 Test Cylinders (LA-86)

**FINAL CLEARANCE**

CONTRACTOR REPRS: *Jerry M. Justice* C.O.E. REPRS: *Bernard Brogan*

**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  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 East # 2 LIFT NO. ONE ELEVATION from 3.00 to 14.40 DATE OF POUR 10-18-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	<i>Jmf</i>	10-18-95	4:35	<i>Brogna</i>	10-18	4:35
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	<i>Jmf</i>	10-18	4:35	<i>Brogna</i>	10-18	4:35
CLEANLINESS	✓	"	"	"	"	"
WATERED	✓	"	"	"	"	"
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	<i>Jmf</i>	10-18	4:40	<i>Brogna</i>	10-18	4:40
VERTICAL	✓	"	"	"	"	"
HORIZONTAL	✓	"	"	✓	"	"
SPACING	✓	"	"	✓	"	"
CLEARANCES	✓	"	"	✓	"	"
STEEL SCHEDULE	✓	"	"	✓	"	"
SHOP DRAWINGS	✓	"	"	✓	"	"
TIE WIRES	✓	"	"	✓	"	"
#6 BAR WELDED	✓	"	"	✓	"	"
CLEANLINESS	✓	"	"	✓	"	"
WATERED	✓	"	"	✓	"	"
E. FORMWORK	<i>Jmf</i>	10-18	4:45	<i>Brogna</i>	10-18	4:45
CONDITION	✓	"	"	"	"	"

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.				
	NAME	DATE	TIME	NAME	DATE	TIME		
E. FORMWORK (CONT)								
ALIGNMENT	<i>JmJ</i>	10-18	4:45	<i>Brogna</i>	10-18	4:45		
CLEANLINESS	✓	"	"	✓	"	"		
RELEASING AGENT	✓	"	"	✓	"	"		
TIES AND BOLTS	✓	"	"	✓	"	"		
LENGTH 18.29'	✓	"	"	✓	"	"		
WIDTH 1.75'-1.00'	✓	"	"	✓	"	"		
HEIGHT 11.40'	✓	"	"	✓	"	"		
WATERSTOPS	✓	"	"	✓	"	"		
CHAMFER STRIPS	✓	"	"	✓	"	"		
F. WEATHER PROTECTION	<i>JmJ</i>	10-18	4:50	<i>Brogna</i>	10-18	4:50		
G. SAFETY (LIST)	<i>JmJ</i>	10-18	4:50	<i>Brogna</i>	10-18	4:50		
1. Ladder	✓	"	"	✓	"	"		
2. Scaffold	✓	"	"	✓	"	"		
3. Rigging	✓	"	"	✓	"	"		
H. OTHER CHECKS PER SPECIFIC JOB	<i>JmJ</i>	10-18-95	4:50	<i>Brogna</i>	10-18	4:50		
FL340 Anchor Bolts		"	"	✓	"	"		
I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Koehring 405	1	Crane	5:00	1				
Conc. Bucket	1	1.0 c.g.	"	"				
Conc. Vibrator	1	18' shaft	"	"				
Generator	1	Multi-Quip	"	"				
J. REMARKS	SLUMP = $3\frac{1}{2}$ " ; AIR ENTR. = 6.0% ; CONCRETE TEMPS = 86° ;							
	AIR TEMPS = 82° ; 3 Test Cylinders (LA-86)							
	FINAL CLEARANCE							
CONTRACTOR REPRS:				C.O.E. REPRS:				
<i>Jerry M. Justice</i>				<i>Bernard Brogna</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.								

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

DATE: 10-18-95

Pour Location East I-Wall monoliths # 7 and # 2.

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used # 44-C

Required Strength 3000 psi  
at 90 days

TICKET NO	TIME ARRVD	TIME CPLTD	SLUMP/ARRVD	WATER ADDED	SLUMP AS PLCD	TEMP. CON/AIR	% AIR	CYL'S MOLDED	TIME SAMPLED	C. Y.
285028	1:15	2:45	4.25 <sub>o</sub>	0-	4.25 <sub>x</sub>	81° 82°	5.9	3	2:00	9
285086	3:20	4:35	2.5 <sub>o</sub>	10gal	3.5 <sub>x</sub>	80° 82°	6.2	-	4:10	8
285108	4:51	5:46	2.5 <sub>o</sub>	15gal	3.5 <sub>x</sub>	86° 82°	6.0	3	5:15	10

REMARKS: Test Cylinder Set # LA-86  
 " " " # LA-87

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

TECHNICIAN:  
Steve Home

DACW 29 - 94 - C - 0079  
London Avenue Outfall Canal Floodwall  
Verbal Instructions and Deficiencies  
10-18-95

Received verbal instructions from Project Inspector Alex Brogna to correct the following deficient items:

- ① Structural backfill not placed, compacted, and tested in 8" layers (East Bank)
- ② Structural backfill and embankment work being started without a Preparatory Inspection being performed first.
- ③ Wet curing of I-Wall monoliths (first 7 days) not done, or done partially, on East Monoliths #4, #6, #8, and #5.
- ④ All oxygen and acetylene bottles must be upright and secured (some cylinders were found not secured on the East Bank levee).
- ⑤ General Housekeeping needs attention. Trash, debris from construction, and materials should all be stacked or stored neatly.

Corrective Action to be taken by  
B+K Construction:

A preparatory inspection will be held on Friday 10-20-95 on the Embankment and Structural Backfill phases of the work. (Structural backfill preparatory was held previously, but new personnel need to be involved.)

Methods of structural backfill and embankment will be discussed and agreed on at this time, as well as corrective action to be taken on soil already placed.

Supt. Mike Tassin has appointed a laborer to full time duty on wet curing of T-Wall monoliths, beginning tomorrow. Burlene blankets will be placed and secured on all monoliths less than eight days old. Quality Control inspections of this feature of work will be stepped up, and reported on daily.

Housekeeping will be improved, and each crew will designate a man (or men) to be responsible for trash clean up and material storage. Trash barrels will be placed on the levee, one for each crew.

Compressed gas cylinders will be brought to the yard and put in the storage rack unless they are secured and upright. A second bottle cart will be purchased for use in the field.

Jerry Justice  
B & K Construction  
Q.C. Representative



**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  
217

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

DATE Friday  
13 October 95

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  
Cldy w/Rain

PORTION OF SCHEDULED DAY SUITABLE FOR OPERATIONS

TEMPERATURE

STRUCTURAL EXCAVATION	BORROW EXCAVATION	EMBANKMENT	CONCRETE	STRUCTURE
50 %	50 %	50 %	50 %	50 %

MINIMUM	MAXIMUM
66	83

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
0.35	0730

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

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

FEET	TIME
2.8'	0800

NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS

1  2  3

SUPERVISORY	SKILLED	LABORERS	TOTAL	FROM	TO	FROM	TO	FROM	TO
4-29	12-80	12-80	82-189	0730	1800				

FROM	TO	FROM	TO	FROM	TO

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

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; STRUCTURAL BACKFILL; EMBANKMENT
- b. ACADIA REBAR- REINFORCEMENT
- 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. Partially set forms for mono #8; readied forms for placement of mono #6; Formed and placed Stab. slab from E B/L Sta's 99+70-99+30; readied Stab. slab from E B/L Sta's 72+60-73+00; finished flood side of mono's, W B/L, #133,134, and 135; placed structural backfill and embankment from E B/L Sta's 102+65-104+50.

Days of no work and reasons for same:

02,03,04, and 05 Oct 95 were 100% lost due to adverse weather/wet ground conditions; 13 Oct 95 was 50% lost as well.

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

Both B & K Const. and Arcadia Rebar performed progressive work until rain showers stopped work.

DATE SET FOR COMPLETION: 66.9%

PERCENT PROJECT COMPLETE: 40.9%

PERCENT TIME ELAPSED: 66.9

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended today:

CONCRETE FLOODWALL: No instructions issued.

STRUCTURAL BACKFILL: No instructions issued.

EMBANKMENT: No instructions issued.

REINFORCEMENT: 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 made today:

**CONCRETE FLOODWALL:** QAR observed the contr strip, clean, oil, and install forms. They were adequately baced and aligned. Embeded items, expansion material, 3-bulb water stop, and chamfer strips were properly installed. Stab. slab was formed and placed. Four inch forms were floated off and placed in-the-dry. Cathodic #6 rebar was welded at each sheetpile and bond cables were welded at the joints between eastside mono's 12-13 and 100-99. Finishers continued repairing irregularities on the west side floodwall; rubbing walls with a cement grout.

**STRUCTURAL BACKFILL AND EMBANKMENT:** QAR observed the contr placing 8" and 12" lifts respectively; lifts were compacted with the Rammax compacter after being shaped and bladed with a dozer and backhoe. Material was placed in the dry.

**STRUCTURAL REINFORCEMENT:** The contr was observed installing properly sized, cleaned, spaced, located, and tied re-bar.

**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
Zane Bryant	Const. Insp., GS-07	7	QAR
Jennifer Avettant	" GS-04	7	QAR

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

No problems noted.

INSPECTOR'S SIGNATURE  
For Zane Bryant

*Zane Bryant*

DATE

19 Oct 95

SUPERVISOR'S INITIALS

gw tp

DATE

10/23/95



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

DATE: 10/13/95

REPORT NO.: 269

SKIES: cloudy- Rain

RAIN: 0.35 IN. TEMP.: 66 MIN 83 MAX

DUST: NONE

LEVEE CONDITION: Wet CANAL GAUGE: (2.8) NOISE: minimal

Rain - Out at 2:00 PM WORK PERFORMED/LOCATION

① B+K Construction - Wrecked forms at East Monolith #4 (after the required 18 hours). Set canal side forms at East Monoliths #6 and #8. Set top steel at East Mono. #6. Welded rebar on top of C2-101 sheet piles at East Monoliths #2, #3, #5, #6, #7, & #8. Also installed bond cables at East Mono. Joints #12-13, and at #100-99. Cut holes for rebar to pass through sheet piles at East Mono's #8 and #9. Formed and poured stabilization slab from East B Sta. 99+70 to Sta. 99+30. Formed stab. slab from E. B 72+60 to 73+00, not poured due to rain at 1:00 PM today. Cement finishers patched and repaired West I-wall Mono's #133, #134, and #135. Operator worked on structural backfill and embankment work between Sta. 102+65 and 104+50, cleaning up debris, pumping water out of excavation, and backfilling with existing soil. Concrete was cancelled for E. Mono #6 due to rain & wet soil.

② Arcadia Rebar - Tied bottom re-steel at East Mono. #8, pre-tied two mats of steel for future I-wall stems, and set clearances on steel at E. Mono #6 and #8.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
12	Unskilled	80	B+K Const.	Wrecking & setting I-wall
10	Skilled	68	"	forms; welding #6 bar on top
3	Supt.	21	"	of sheet piles; burning holes for
1	QC. Rep.	8	"	rebar; Forming & pouring seal
				slab; Installing bond cables;
				Finishing I-wall concrete (See Above).
2	Skilled	12	Arcadia Rebar	Tying re-steel for new
				I-wall (See Above).

QUALITY CONTROL REPORT  
EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	yes	4	4	—
Kubota 151 Excavator	—	yes	3	5	—
Case 580 Backhoe #1	—	yes	4	4	—
Case 580 Backhoe #2	—	yes	3	5	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	yes
Foster Vib. Hammer	—	No	0	8	—
Fiat-Allis MotorGrader	—	yes	2	6	—
Mantis 3612 Crane	—	yes	5	3	—
JSW Excavator	—	yes	2	6	—
Welding Machine	—	No	0	8	—
Compressor + Sandblaster	—	No	0	8	—
Koehring 405 Crane	—	yes	5	3	—
Komatsu 200 Exc. #2	—	yes	3	5	—
6" diesel pump	—	No	0	8	—

MATERIALS RECEIVED

Received 6 cubic yards of concrete (Mix #44-C) from Latarge Concr. Co. today, and placed this material in stabilization slab from East B station 99+70 to station 99+30.

TESTS PERFORMED

(As required by plans/specifications)

No Tests Performed Today.

Inspected the Cathodic Protection work done on the East Bank today, #6 Rebar was tack-welded to each piece of C2-101 sheet piling in the monoliths shown on Page #1 under "WORK PERFORMED". No steel extended through the Monolith Joints however. The bond cables were installed to make the cathodic protection complete, welds of bond cables and #6 Rebar were checked, and found to be adequate. Checked holes cut in C2-101 piling for rebar, and slots at monolith joints for form bulkheads. Holes for rebar were in the correct locations and amount shown on the Bulich Steel Spig Drawing, and did not exceed 2" in diameter. Holes that fell on the web of the piles were slotted 2" by 4" (horizontally). Monolith Joint slots were approximately 6" wide by 15" deep, from the top of the C2-101 piles down. The structural integrity of the sheet piles was not compromised by any of this work.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked the scaffold and ladder on I-Wall forms being set today. Handrails, midrails, and toe boards were in place on one form, but the second form is lacking toe boards, as well as handrails to close off one end. These items will be corrected prior to use of these scaffolds. The ladder was in good condition, and tied off with wire to prevent movement.

## REMARKS

(Instructions received, miscellaneous remarks)

No work scheduled until Monday. (Insp. Zane Bryant reminded us that we must have written authorization to work Saturdays, Sundays, or Holidays.)

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 Justa  
Authorized Q C Representative

10-16-95  
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  
216

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

DATE Thursday  
12 October '95

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  
Ptltd Cldy and 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 66	MAXIMUM 84
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION

INCHES 0.00	ENDING 0730	M
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NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE

SUPERVISORY 1-2	OFFICE	LAYOUT	INSPECTION 2-19	TOTAL 2-19	LABOR
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FEET 2.50'	TIME 0800	M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 4-39	SKILLED 11-102	LABORERS 12-112	TOTAL 17-253	FROM 0730 M	TO 1800 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; STEEL SHEET PILES; STRUCTURAL EXCAVATION
- b. \_\_\_\_\_
- c. \_\_\_\_\_

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

A. Formed and placed Mono #4; made connection at sheet pile, E B/L 70+23; excavate from B/L Sta. 99+69-99+15, east side; installed cathodic cables at joints of mono's 101-102 and 100-101; pulled existing AZ-18 sheets up to elevation 11+50; removed sand blasting debris from E B/L sta's 99+70-93+55.

Days of no work and reasons for same:

02,03,04, and 05 Oct 95 were 100% lost due to adverse weather/wet ground conditions.

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

Progressive work was performed by B & K today. Refer to CQC Report.

DATE SET FOR COMPLETION: 09 MAY 95

PERCENT PROJECT COMPLETE: 40.9%

PERCENT TIME ELAPSED: 66.9%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended today.

CONCRETE FLOODWALL: No instructions issued.

STEEL SHEET PILES: No instructions issued.

STRUCTURAL EXCAVATION: No instructions issued.

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

The following Follow-Up QA inspections were made today:

- CONCRETE FLOODWALL: QAR and CQC performed the pre-placement checkout (LMV 1246) for mono #4 and found it ready. QAR witnessed its placement and the molding of cylinders and taking of required tests; see results on CQC Report. Observed the proper installation of cathodic cables.
- STEEL SHEET PILES: QAR observed the contr pulling sheets to required grade as instructed and completing the tie-in at E B/L Sta 70+23.
- STRUCTURAL EXCAVATION: QAR observed the contr excavation material on E B/L 99+69-99+15.

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

COE Rep Zane Bryant reminded CQC to complete safely inspection of Koeing 405 Crane.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

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

NONE

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

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

NAMES	GOVERNMENT PERSONNEL ON SITE		DUTIES
	DESIGNATION	HRS. ON SITE	
Chris Wagner	Civ. Engr., GS-11	2	PE
Zane Bryant	Const. Insp., GS-07	11	QAR
Jenny Avettant	" GS-04	8	QAR
T Smiley			OFF
J Morton			OFF

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

No problems noted.

INSPECTOR'S SIGNATURE For JANE BRYANT <i>Bernard Boggs</i>	DATE 19 00 95	SUPERVISOR'S INITIALS <i>YML</i>	DATE 10/23/95
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QUALITY CONTROL REPORT  
 DACW29-94-C-0079  
 LONDON AVENUE OUTFALL CANAL  
 B & K CONSTRUCTION JOB NO. 9402

DATE: 10/12/95

REPORT NO.: 268

SKIES: Mostly Cloudy      RAIN: 0      IN. TEMP.: 66 MIN 84 MAX

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

WORK PERFORMED/LOCATION

B+K Construction - Formed and poured concrete at East Monolith #4 (Top re-steel mat was set and tied by B+K Construction). Completed permanent sheet pile connection at East B Sta. 70+23 by bolting AZ-18's and CZ-101's together with angle iron. Performed structural excavation from East B Sta. 99+69 to Sta. 99+15. Installed bond cables at East Mono. Joints #101-102 and #101-100. Pulled up existing AZ-18 sheet piles to elev +11.50 (as directed by the Government) from East B Sta. 97+75 to Sta. 99+15. Vacuum truck removed coal tar and blasting sand from the top of the levee between E. B Sta. 99+70 and 93+55 and disposed of this material properly. Welded #6 rebar on top of CZ-101 sheets for cathodic protection at East Monolith #4. Burned holes in sheet piles for rebar at East Mono's #2, #3, #5, #6, and #7. Repaired damaged chain link fence at Warrington Drive, adjacent to Pump, Sta. #4 (ACE FENCE COMPANY).

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
12	Unskilled	112	B+K Const.	Forming + Pouring I-Wall;
11	Skilled	102	"	Making permanent sheet pile
3	Supt.	28	"	connection; Performing structural
1	Q.C. Rep.	11	"	excavation; Installing bond
				cables; welding rebar on top of
				CZ-101 sheets; Burning holes in
				CZ-101 sheets for rebar to pass
				through; Pulling existing AZ-18
				sheets back up to elev +11.50.
				(See Locations Above)

## EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	4	4	—
Komatsu D37P Dozer	—	yes	4	4	—
Kubota 151 Excavator	—	yes	3	7	—
Case 580 Backhoe #1	—	yes	4	6	Needs Repair
Compressor & Sandblaster	—	NO	0	10	—
Koehring 535 Crane	—	No	0	10	—
MKT Vibro Hammer	Departed	—	0	10	yes
Foster Vib. Hammer	Rental	yes	4	6	—
Fiat-Allis MotorGrader	—	yes	2	8	—
Mantis 3612 Crane	—	yes	6	4	—
KOMATSU EXC. 200 #2	—	yes	5	5	—
EMV-300 Vib. Hammer	—	NO	0	10	—
Case 580 BACKHOE #2	—	yes	3	7	Needs Repair
WELDING MACHINE	—	yes	4	6	—
6" diesel Pump	—	NO	0	10	—
KOEHRING 405 CRANE	—	yes	7	3	—
J.S.W. Excavator	—	yes	4	6	—

## MATERIALS RECEIVED

Received 17 cu. yards of mix #44-C concrete from Lafarge Conc. Co. today. Placed all of this material in East I-wall Monolith #4, with approx. 1/2 cu. yard left over. Delivery tickets were furnished to the Govt. Inspector today.

## TESTS PERFORMED

(As required by plans/specifications)

BTK Construction performed concrete tests and inspections on mix #44-C delivered by Lafarge Concrete Company today. Results of these tests are documented on the attached Concrete Field Data Summary sheet. No deficiencies were reported, as the slumps, temperatures and air contents were within specified ranges.

Delta Testing monitored vibrations caused by sheet pile pulling near East R sta. 98+75 today. Results will be furnished to the Orleans Levee Board only.

Inspected the reinforced concrete floodwall work done today (East I-wall Monolith #4). The stabilization slab poured previously was cleaned prior to form placement. The I-wall forms were clean and oiled with approved form release agent prior to placement. Reinforcing steel sizes, spacing, and clearances were checked and found to be acceptable. Forms were set to proper alignment at bottom plate, then plumbed with plumb bobs at each end (using 2.5' o/s E of I-wall marks set by engineer). Elevation of top of wall and haunch lines were set, using control elev. marks at +4.50 (set by engineer). Form condition was excellent, and all embedded items were correctly installed (includes re-steel, waterstop, anchor bolts for FL340). Form check-list LMN 1246 was completed prior to placement of concrete. Placement of concrete was accomplished using a 1 yard concrete bucket, hopper, and trimmer chutes to keep the vertical drop of the material under 5'. Consolidation was accomplished using a WACKER M-2000 vibrator, with 2 1/2" head and 18' shaft length.

## JOB SAFETY

(Note inspection, violations/actions taken)

Flagmen stopped traffic on Pirabea Avenue for concrete trucks to enter the jobsite today. Orange vests and flags were used to identify and protect the flagmen.

Checked for oil and hydraulic leaks on equipment. No significant leaks were detected, and no contamination of existing soil was noted.

## REMARKS

(Instructions received, miscellaneous remarks)

Inspector Zane Bryant reminded us that the safety inspection must still be completed on the Koehring 405 Crane. A load chart must still be placed on this machine before I can sign off on it.

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.

Jimmy Justice  
Authorized O C Representative

10-13-95

Date

✓ 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 East # 4

LIFT NO.

ONE

ELEVATION

from 3.00 to 14.40

DATE OF POUR

10-12-95

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
A. SHEET PILING	JmD	10-12-95	3:45	ZLB	10-12-95	1545
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	10-12	3:45	ZLB	10-12-95	1545
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
WATERJET (JOINT)	N/A	N/A	N/A	N/A	N/A	N/A
D. STEEL REINFORCING	JmD	10-12	3:50	ZLB	10-12-95	1550
VERTICAL	✓	"	"	✓	✓	✓
HORIZONTAL	✓	"	"	✓	✓	✓
SPACING	✓	"	"	✓	✓	✓
CLEARANCES	✓	"	"	✓	✓	✓
STEEL SCHEDULE	✓	"	"	✓	✓	✓
SHOP DRAWINGS	✓	"	"	✓	✓	✓
TIE WIRES	✓	"	"	✓	✓	✓
#6 BAR WELDED	✓	"	"	✓	✓	✓
CLEANLINESS	✓	"	"	✓	✓	✓
WATERED	✓	"	"	✓	✓	✓
E. FORMWORK	JmD	10-12	3:55	ZLB	10-12-95	1555
CONDITION	✓	"	"	✓	✓	✓

ITEM	INSPECTED BY CONTRACTOR			REVIEWED BY C.O.E.		
	NAME	DATE	TIME	NAME	DATE	TIME
E. FORMWORK (CONT)						
ALIGNMENT	JmJ	10-12	3:55	ZAB	10-12-95	1555
CLEANLINESS	✓	"	"	✓	✓	✓
RELEASING AGENT	✓	"	"	✓	✓	✓
TIES AND BOLTS	✓	"	"	✓	✓	✓
LENGTH 28.87'	✓	"	"	✓	✓	✓
WIDTH 1.75-1.00'	✓	"	"	✓	✓	✓
HEIGHT 11.40'	✓	"	"	✓	✓	✓
WATERSTOPS	✓	"	"	✓	✓	✓
CHAMFER STRIPS	✓	"	"	✓	✓	✓
F. WEATHER PROTECTION	JmJ	10-12	3:55	ZAB	10-12-95	1600
G. SAFETY (LIST)	JmJ	10-12	4:00	ZAB	10-12-95	1600
1. Ladder	✓	"	"	✓	✓	✓
2. Scaffold	✓	"	"	✓	✓	✓
3. Rigging Check	✓	"	"	✓	✓	✓
H. OTHER CHECKS PER SPECIFIC JOB	JmJ	10-12	4:00	ZAB	10-12-95	1600
FL340 Anchor Bolts	✓	"	"	✓	✓	✓

I. EQUIPMENT USED	NO.	TYPE	TIME	HOURS	NO.	TYPE	TIME	HOURS
Koehring 405 Crane	1	Friction	4:15	2 1/4				
Concrete Bucket	1	1.0 c.y.	"	2 1/4				
Concrete Vibrator	1	18' whip	"	2 1/4				

J. REMARKS  
 SLUMP = 3 1/2" & 2 1/2" ; AIR ENTR. = 6.5% & 6% ; CONCRETE TEMPS = 80° & 79° ;  
 AIR TEMPS = 85° & 83° ; 3 Test Cylinders (LA-83)

FINAL CLEARANCE

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

**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.

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

DATE: 10-12-95

Pour Location East I-Wall Monolith # 4

Supplier - LAFARGE CONCRETE COMPANY

Type of Mix used # 44-C

Required Strength 3000 psi  
 at 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.
283850	4:10	5:05	3.5 o	-0-	3.5x	80° 83°	6.5%	3	4:35	9
283864	5:19	6:33	1.5o	20 gal	2.5 gal	79° 83°	6.0%	-	5:20	8

REMARKS: Test Cylinder Set # LA-83

NOTE: "x" = Acutal 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

215

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

DATE Wednesday  
11 October 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 & 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 65°	MAXIMUM 85°
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HAS ANYTHING DEVELOPED ON THE WORK WHICH MIGHT LEAD TO A CHANGE ORDER OR FINDING OF FACT?  NO  YES (Explain)

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

Canal RIVER STAGE	FEET 2.40'	TIME 0800 M
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SUPERVISORY 2-4 hrs	OFFICE	LAYOUT	INSPECTION 2-19 hrs	TOTAL 4-23 hrs	LABOR
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 4-39½ hrs	SKILLED 14-122 hrs	LABORERS 11-94 hrs	TOTAL 29-255½	FROM 0700 M	TO 1800 M	FROM M	TO M	FROM M	TO M
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Attach list of the following: (a) Major items of equipment either idle or working, and (b) Number and classification of contractor personnel onsite.  
Note: If the contractor's Quality Control Report (QCR) contains the information it need not be repeated.

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY

- a. B & K Const. Co., Inc. - CONCRETE FLOODWALL; STRUCTURAL EXCAVATION; STEEL SHEET PILES
- 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) Re-excavated for stab slab between EB/L Sta's 72+20 & 73+00; Poured stab slab between EB/L Sta's 72+20 & 72+60; Installed cathodic jumpers between E Monos #08 & #12; Placed concrete for Ped. Bridge Gap Closure on east levee @ R. E. Lee Blvd.; Installed 18" casing sleeve for FL-340 in cofferdam at EB/L Sta. 95+50.
- b) Set & Tied bottom resteel for E. Monos #04 & #06, and pretied 2 wall stem mats.

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground on 02, 03, 04 & 05 Oct 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: 09 MAY 96

PERCENT PROJECT COMPLETE: 40.9%  
PERCENT TIME ELAPSED: 66.6%

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: See "Verbal Instructions" on back of this report.

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: Observed placement of concrete for stab slab between EB/L Sta's 72+20 & 72+60, approx. 4" thick, to a top elev. of +3.00'. Checked installation of 4 cathodic protection jumpers at approx. elev. +2.3', between E. Monos #08 thru #12, found all to be properly cadwelded and coated with epoxy resin as required. Observed placement of concrete for the Pedestrian Bridge Gap Closure on east levee at R. E. Lee Blvd. Witnessed sampling and testing of concrete used this date (see attached Concrete Field Data Sheet for test results). Observed finishers chipping defected areas on F/S of new I-Wall E. Monos #132 thru #140. No rubbing with grout due to awaiting delivery of Bonding Agent.

STRUCTURAL EXCAVATION: Observed contractor re-excavating for stab slab between EB/L Sta's 72+20 & 73+00, due to having to backfill for Hurricane Opal.

RESTEEL INSTALLATION: Observed Arcadia setting & tying bottom resteel only for E. Monos #04 & #06, in accordance with approved shop drawings. Noted Arcadia also pre-tied 2 wall stem mats for future placement.

STEEL SHEET PILES: Observed Contractor pulling up existing AZ-18 piles between EB/L Sta's 97+05 & 97+75, up to elev. +11.50' as instructed on 10/10/95.

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

QAR, Z. Bryant instructed M. Tassin and J. Justice of B&K to installed required neoprene sleeves and stainless steel bands on casings being used for penetration through the cofferdam sheet piles for FL-340. Messrs. Tassin and Justice stated that they would have to take this up with their Proj. Manager, B. Andrews.

**CONTROVERSIAL MATTERS IN DETAIL.**

NONE

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

NONE

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

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

NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION	HRS. ON SITE		
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	10 hrs.		QAR
J. AVETTANT	Cosnt. Insp., GS-04	7 hrs.		QAR

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

Noted all finishers wearing safety glasses while chipping concrete this date.

No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

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

DATE

16 Oct 95

SUPERVISOR'S INITIALS

yz

DATE

10/31  
10/19/95



# QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed personnel continuing to pull up existing A2-18 sheet piling to el 11.5' that had been cut in violation of T.S. C44-5.2. Observed personnel training rebar for future monoliths + grading foundation for slab placement. All personnel wearing hard hats + safety shoes on-site.

Instructions to COC/Remarks: None given today.

Chris J. Wagner Proj Engr  
 Name Title

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

DATE: 10/11/95

REPORT NO.: 267

SKIES: Clear - Pt. Cloudy RAIN: 0 IN. TEMP.: 65 MIN 85 MAX

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

WORK PERFORMED/LOCATION

① B+K Construction - Moved Mantis Crane to East Bank (Filmore to P.S.#4). Moved another set of I-wall forms to Mirabeau, East Bank. Performed structural excavation from E. @ 72+50 to 73+00 (Rework area previously backfilled for "OPAL" emergency work). Installed bond cables at East Monolith Joints #8-9, #9-10, #10-11, and #11-12. Formed + poured stabilization slab between East B Sta. 72+20 and 72+60. Also poured concrete at East Bank Pedestrian Bridge Gap Closure at Robert E. Lee Blvd. Established o/s lines and control elevations for I-wall work between Mirabeau and Filmore, East Bank. Cement finishers chipped and reamed holes and defective areas of West I-wall Monoliths #132 through #140, ahead of finishing work (waiting on Bonding Agent). Continued cleanup of debris along East Bank between Robert E. Lee and P.S.#4. Hauled off scrapped MP-112 sheets and concrete, wood, etc. by truck + trailer. Completed sleeve waterproofing at FL340 penetration through Temp. Cofferdam (E @ 95+50). Pulled AZ-18 sheets back up to elev. +11.50 as directed between E. @ 97+05 and 97+75. Mobilized a rented vibrator hammer for this reach of floodwall work.

② ARCADIA REBAR - Tied btm. re-steel at East Mon's #4 and #6 in place. Pre-tied two mats of re-steel for future placement in I-wall stems on the levee crown.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
11	Unskilled	94	B+k Const.	Forming + Pouring Seal Slab;
11	Skilled	104	"	Excavating for I-wall; Mobilizing
3	Supt.	29	"	Forms + equipment; Pouring
1	QC. Rep.	10.5	"	concrete Ped. Bridge Gap Closure;
				Hauling off debris; Working on
				Temp. Cofferdam Sleeve; Setting
				up o/s lines + grades, etc.
				(See Above)
3	Skilled	18	Arcadia Rebar	Tying reinforcing steel for
				I-wall (see Above)

## EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	5	3	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	3	7	—
Case 580 Backhoe #1	—	yes	6	4	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	yes	2	8	—
Foster Vib. Hammer	Rental	yes	4	6	—
Fiat-Allis MotorGrader	—	yes	1	9	—
Mantis 3612 Crane	—	yes	6	4	—
KOMATSU EXC. 200 #2 and EMU-300 Vib. Hammer	—	yes	5	5	—
Case 580 BACKHOE #2	—	No	0	8	needs Repair
WELDING MACHINE	—	yes	4	4	—
Compressor + Sandblaster	—	No	0	8	—
KOEHRING 405 CRANE	—	yes	—	—	—
6" diesel pump	—	No	0	8	—

## MATERIALS RECEIVED

Received 6 cubic yards of concrete (mix #44-C) from Lafarge Concrete Company today. Placed approx. 1.5 cu in the Pedestrian Bridge Gap Closure at Robert E. Lee East Bank, and the balance in Stabilization slab (East Bank, station 72+20 to 72+40).

## TESTS PERFORMED

(As required by plans/specifications)

BTK Construction performed concrete tests and inspections as required by the contract. Final results of these tests attached on the BTK Concrete Field Data Summary sheet. Three test cylinders were molded, to be delivered to the Gov't. Lab on Friday morning.

Delta Testing performed vibration monitoring adjacent to sheet pile pulling work (East to approx. station 97+50). Results only furnished to the Orleans Levee Board. No excessive vibrations were recorded today, according to the technician on site for Delta Testing.

## INSPECTIONS PERFORMED

Insp'ed concrete delivered by Lafarge Concrete Company today. Temperatures, slumps, and air contents were within acceptable limits. The concrete appeared thoroughly and uniformly mixed. Test cylinders were molded for compressive strength tests (to be done by the Government Lab). Delivery tickets were complete with all batch ingredients, weights, admixtures, batch times, etc. No deficiencies were noted with respect to Lafarge's Ready Mix Concrete (Mix #44-C).

Inspected the reinforcing steel, placed by Arcadia Rebar today (East Monoliths #4 and #6 - bottom steel only). #6 vertical bent bars were spaced 9" on centers or less (41 bars each face). #5 Horizontal bars were spaced at 9" on centers in the bottom section of the T-wall (top mat #4 horizontals will be set on 12" centers). Top steel (stem portion) will have #5 vertical bars on 9" centers. #5 U-Bars (16 pcs) were passed through handling holes as required. #4 U-Bars (10 pcs) were tied to btm. horizontal bars at each end of the wall.

## JOB SAFETY

(Note inspection, violations/actions taken)

Subcontractor "Arcadia Rebar" employees did not have steel toe boots today. I informed these workers that steel toes are a job requirement, and they will be expected to have them by next week.

Also checked exhaust systems on diesel engines on the job. No excessive noise or fumes were observed on any equipment.

## REMARKS

(Instructions received, miscellaneous remarks)

Inspector Zane Bryant instructed us again to install Neoprene sleeves and stainless steel clamps at all Feeder Line penetrations, as shown on our approved submittal. These instructions will be addressed by Project Manager Blake Andrews.

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

10-12-95

Date

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

DATE: 10-11-95

Pour Location East Bank Pedestrian Bridge Gap Closure  
at Robert E. Lee Blvd. and East Bank Stabilization  
 Supplier - LAFARGE CONCRETE COMPANY Slab, Sta. 72+20 to 72+60

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.	
283552	3:25	4:45	1"	20	3 1/2"	81°	82°	4.8%	3	3:45	6

REMARKS: Test Cylinder set # LA-82 .

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  
214

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

DATE Sat, Sun, Mon, Tues  
07, 08, 09, 10 October 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, cool to 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 56°	MAXIMUM 82°

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

24 HOUR PRECIPITATION	
INCHES 0.00"	ENDING 0730 M

NUMBER OF GOVERNMENT EMPLOYEES

SUPERVISORY 2-2	OFFICE	LAYOUT	INSPECTION 2-18	TOTAL 4-20	LABOR
--------------------	--------	--------	--------------------	---------------	-------

FEET 2.8'	TIME 0800 M
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NUMBER OF CONTRACTOR'S EMPLOYEES

NUMBER OF SHIFTS  1  2  3

SUPERVISORY 3-66	SKILLED 12-280	LABORERS 12-256	TOTAL 27-602
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FROM 0730 M	TO 1800M	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; STEEL SHEET PILES
- b. Gill's Crane Service - STEEL SHEET PILES
- c. \_\_\_\_\_

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

- a. Completed assembling and repairing I-wall forms; repairing silt fence on EB from Mirabeau to Filmore; removed MP-112 sheet piles between E B/L Sta 104+00 and 103+00; sand blasted coal tar off of AZ-18 sheet piles from E B/L Sta 94+05 to 93+55, P/S; drove piles for temporary cofferdam tie-ins at E B/L Sta 95+50 to 99+90
- b. Cut off existing AZ-18 sheet piles from E B/L Sta 99+69.22 to 96+70

Days of no work and reasons for same:

100% of days lost due to adverse weather/wet ground conditions on 02, 03, 04, 05 Oct 1995.

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

Progressive work was scheduled and performed by B&K on 07, 09, 10 Oct 95, and by Gill on 07, and 09 Oct 95. See attached CQC report.

DATE SET FOR COMPLETION: 09 MAY 96

PERCENT PROJECT COMPLETE: 40.9%

PERCENT TIME ELAPSED: 66.5%

CQC INSPECTION PHASES ATTENDED AND INSTRUCTIONS GIVEN:

The following CQC Inspection Phases were attended on 10 October 1995:

- REINFORCED CONCRETE FLOODWALL: No instructions given.
- STEEL SHEET PILES: See instructions given.
- EROSION CONTROL: See instructions given.
- TEMPORARY COFFERDAM: No instructions given.
- STRUCTURAL EXCAVATION: No instructions given.

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

The following follow-up QA Inspections were performed on 10 October 1995:

**REINFORCED CONCRETE FLOODWALL:** Observed carpenters completed the assembly and repair of all I-wall forms. Observed contractor poured stabilization slab from E B/L Sta. 70+30 to 72+20. Observed contractor installed bond cables for cathodic protection at E Mono joints #2-3, #3-4, #4-5, #5-6, #6-7 and #7-8. Observed contractor burned holes in CZ-101 sheet piles at E Mono #4 for rebar to pass through.

**STEEL SHEET PILES:** Noted contractor cut off existing AZ-18 sheet piles at an elevation of +5.25 from E B/L Sta 99+69.22 to 96+70. The pieces of sheet piles that were cut off were hauled off of jobsite to be salvaged. Contractor began pulling AZ-18 sheet piles to an elevation of +11.50 between E B/L Sta 99+69 and 96+70. Noted that contractor removed MP-112 sheet piles between E B/L Sta 103+00 and 104+00. Contractor sand blasted AZ-18 sheet piles from E B/L Sta 94+05 to 93+55, P/S, at an elevation of +5.25'. (See verbal instructions below.)

**EROSION CONTROL:** Noted that contractor began repairing silt fence on the EB between Mirabeau and Filmore. (See instructions below.) (CONTINUED ON QA REPORT SUPPLEMENT, ATTACHED.)

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

PE Chris Wagner and SCE Dennis Duhon instructed Mr. Mike Tassis of B&K to close total job gap opening so as to not exceed 300 linear feet. QAR Zane Bryant instructed Mr. Tassin to recover and properly dispose of coal tar residue and blasting sand ASAP. Mr. Bryant also informed Mr. Tassin to repair and replace all access gates, silt/safety fences. Also, gates are to be kept chained and locked when not being used by the contractor. Mr. Tassin said he would comply with 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)**

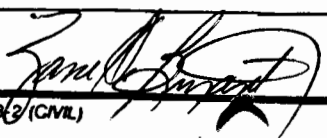
NAMES	GOVERNMENT PERSONNEL ON SITE			DUTIES
	DESIGNATION		HRS. ON SITE	
D. Duhon	Supv Civ Engr (GS-12)		01	SCE
C. Wagner	Proj Engr (GS-11)		01	PE
Z. Bryant	Const Insp (GS-07)		09	QAR
J. Avettant	Const Insp (GS-04)		07	QAR

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

Observed contractor is supplying adequate potable drinking water to his employees. No safety infractions were noted this date.

INSPECTOR'S SIGNATURE

Zane D. Bryant



DATE

12 Oct 95

SUPERVISOR'S INITIALS

yzw D

DATE

10/18/95

QUALITY ASSURANCE REPORT SUPPLEMENT

CONTRACT NO.: DACW29-94-C-0079

Sat, Sun, Mon, Tues  
DATE 07, 08, 09, 10 Oct 95

QAR# 214

QUALITY ASSURANCE INSPECTIONS PERFORMED & RESULTS:

CONTINUATION OF QUALITY ASSURANCE REPORT, ENG 2538-2

TEMPORARY COFFERDAM: Observed contractor driving steel sheet piles for temporary cofferdam tie-in at E B/L Sta 95+50 and 99+90. Connections were welded and/or bolted shut to make flood protection complete.

STRUCTURAL EXCAVATION: Contractor had to structurally excavate from E B/L Sta 70+20 to 72+50, again, due to backfilling during Emergency Breach Closure for Hurricane Opal.

VERBAL INSTRUCTIONS ISSUED TO CONTRACTOR:

None.

REMARKS:

None.

  
ZANE D. BRYANT, JR.  
Inspector's Signature



# QUALITY ASSURANCE REPORT SUPPLEMENT

QA Inspections Performed & Results: Observed personnel setting up to pull existing AZ-14 ~~back~~ sheet piling that had been cut to el. 5.25' over the weekend back up to el. 11.5' as required. (See comments below). Contractor pulled up 4 pairs before vibratory hammer broke.

Instructions to COC/Remarks: Contractor <sup>(M. R. Tassou)</sup> was instructed to pull up existing sheets that had been cut to el. 11.5' in order to have no more than 300 ft opened. Contractor personnel had cut more than 300' over the weekend without Gov't approval. This is in violation of Tech. Spec (Z4-5.2 and Special Clause "Flood Protection Plan." Contractor agreed to do so.

Chris J. Wagner Proj Engr  
 Name Title

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

DATE: 10/07/95

REPORT NO.: 264

SKIES: Clear

RAIN: 0

IN. TEMP.: 58 MIN 82 MAX

DUST: Minimal LEVEE CONDITION: Dry CANAL GAUGE: (2.8) NOISE: Minimal

\*Saturday\*

WORK PERFORMED/LOCATION

B+k Construction - Repaired silt fence along the East Bank between Mirabeau and Filmore Avenues (not completed yet). Carpenters worked on assembly of the last I-wall form panel. Worked on Temp. Access Roads at Mirabeau and Filmore, East Bank.

Gill's Crane Service - Cut off existing AZ-18 sheet piles at elev. +5.25 from East Bank sta. 99+69.22 to station 97+40. Hauled off the cut off pieces by truck + trailer for salvage.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
5	Unskilled	40	B+k Const.	Repairing silt fences; Assembling I-wall form; Working on Temporary Access Roads. (See Locations Above)
6	Skilled	48	"	
2	Skilled	16	Gill's Crane	Cutting off existing AZ-18 Sheet piles for I-wall Construction. (See Location Above)
1	Unskilled	8	"	

## EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	2	6	—
Komatsu D37P Dozer	—	yes	2	6	—
Kubota 151 Excavator	—	yes	3	5	—
Case 580 Backhoe #1	—	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	3	5	—
KOMATSU EXC. 200 #2 and EMV-300 Vib. Hammer	—	yes	4	4	—
Case 580 BACKHOE #2	—	NO	0	8	—
WELDING MACHINE	—	NO	0	8	—
Compressor + Sandblaster	—	NO	0	8	—
KOEHRING 405 CRANE	—	NO	0	8	—
6" diesel pump		NO	0	8	—

## MATERIALS RECEIVED

None Received Today

## TESTS PERFORMED

(As required by plans/specifications)

NONE PERFORMED TODAY

Checked the silt fence repair work done today along the East Bank. New fence posts were driven in areas where fence had failed (due to soil overloading the fence). New hog wire was stretched where needed, and attached to the wooden fence posts with heavy staples. Lastly, New Sediment Control Geotextile was installed, and tied to the hog wire fence. The geotextile material was also tied together with the old (bottom) section, to prevent soil from spilling out between the two strips. Braces were installed at each fence post in the failed areas, to prevent future failure of silt fence.

## JOB SAFETY

(Note inspection, violations/actions taken)

Inspected the power tool cords and extension cords being used by Carpenter crew today. One defective extension cord was found, and was immediately taken out of service. No other defects were found in power tools or cords.

## REMARKS

(Instructions received, miscellaneous remarks)

Silt fence repairs will be completed on Monday.

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

10-9-95

Date



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

DATE: 10/09/95

REPORT NO.: 265

SKIES: Clear

RAIN: 0

IN. TEMP.: 56 MIN 80 MAX

DUST: Minimal

LEEVE CONDITION: Dry

CANAL GAUGE: (2.4)

NOISE: Minimal

WORK PERFORMED/LOCATION

B&K Construction - Carpenters continued assembly of I-wall form panel in the yard, attaching fractured fin form liner. Removed MP-112 sheet piles on the East Bank through station 104+00 (still approx. 100 ft. left to remove to the south of 104+00). Began cleaning up trash and piling it up for removal at East Bank, Robert E. Lee Blvd. Sandblasted coal tar off of AZ-18 sheets from E. B. Sta. 94+05 to 93+55 (Land Side only, at elev. +5.25). Drove sheet piles for Temp. Cofferdam tie-ins at E. B. Sta. 95+50 and 99+90; but still need to weld angle iron, install waterstop, etc. to make connections waterproof. Re-dug structural excavation (Backfilled during "OPAL" emergency work) from E. B. Sta. 70+20 to 71+75. Installed bond cables for cathodic protection at East Bank Monolith Joints #2-3 #3-4 #4-5 #5-6, and #6-7. Formed and poured stabilization slab from E. B. Sta. 70+30 to Sta. 71+30. Surveyor set grades for seal slab and structural excavation work.

Gill's Crane Service - Cut off existing AZ-18 sheet piles at elev. +5.25 for I-wall construction between E. B. Sta. 97+40 and Sta. 96+70. Loaded up the cut off pieces and hauled them off for salvage.

CONTRACTOR/SUBCONTRACTORS AND

AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
10	Unskilled	92	B & K Const	Assembling I-wall form panel;
11	Skilled	102	"	Removing MP-112 sheet piles;
2	Supt.	21	"	Cleaning up trash & debris;
1	Q.C. Rep.	10.5	"	Sandblasting coal tar off AZ-18's;
				Driving sheet piles for Temp. Cofferdam tie-ins; Performing
1	Skilled	4	Gill's Crane	Cutting off existing AZ-18
1	Unskilled	4	"	Sheet piles for I-wall Const.;
				Hauling off sheet pile pieces. (See Location Above)

## 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	5	5	—
Case 580 Backhoe #1	—	YES	4	6	—
Koehring 535 Crane	—	NO	0	8	—
MKT Vibro Hammer	—	NO	0	8	—
Fiat-Allis Motor Grader	—	YES	2	6	—
ISUZU FLATBED TRUCK	Departed	NO	0	8	—
Mantis 3612 Crane	—	YES	3	7	—
KOMATSU EXC. 200 #2 and EMU-300 Vib. Hammer	—	YES	5	5	—
Case 580 BACKHOE #2	—	YES	4	6	—
WELDING MACHINE	—	NO	0	8	—
Compressor + Sandblaster	—	YES	4	6	—
KOEHRING 405 CRANE	—	YES	4	6	—
6" diesel pump	—	NO	0	8	—

## MATERIALS RECEIVED

Received 8 cu. yards of Concrete Mix #44-c from Lafarge Concrete Company today and placed this material in stabilization slab on the East Bank between stations 70+30 and 71+30. Concrete delivery tickets were furnished to the Government Inspector, complete with all necessary batch information.

## TESTS PERFORMED

(As required by plans/specifications)

None Performed Today

I inspected the bond cables installed today (see work performed for specific locations). Materials used were: Kalas Mfg. #4 AWG Hmw/PE cathodic protection cable; Erico Products Cadwelds (#CA-25); and Rayston Laboratories "Handy-Caps" Epoxy Coatings. Steel sheet piling surfaces were cleaned and dried before the bond cables were exothermically welded to each pile on each side of the Monolith Joints shown. Welds were checked, and cables were found to be securely attached to the steel sheet piling. Epoxy caps were then placed over all exposed wire, and over the welds themselves.

Also inspected the stabilization slab work done on the East Bank (sta. 70+30 to 71+30). The bottom of slab elev. was between +2.50 and +2.60, the top elev. was +2.95. No point in the slab was less than 4" thick. The width of the slab was  $\pm 5'-0"$ ; 2'-4" from  $\bar{L}$  to the Land side, and 2'-8" toward the Canal side. Concrete was placed, consolidated, and travel finished.

## JOB SAFETY

(Note inspection, violations/actions taken)

Checked the fire extinguishers on board the 405 Kaehring Crane and the Mantis Crane. Both machines had 5 lb. ABC extinguishers, fully charged, and readily accessible.

Checked worker installing bond cables for proper personal protection. Burning goggles were worn during the exothermic welding processes. Steel toe boots, leather gloves, and hard hat were worn also.

## REMARKS

(Instructions received, miscellaneous remarks)

We are watching the Tropical Storm in the Caribbean Sea for developments that could affect our construction activities. However, no instructions have been received, as of yet, from the Government.

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

Jerry Justice  
Authorized O C Representative

10-10-95  
Date

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

DATE: 10/10/95

REPORT NO.: 266

SKIES: Clear

RAIN: 0

IN. TEMP.: 56 MIN 82 MAX

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

WORK PERFORMED/LOCATION

B+K Construction - Carpenters completed assembly and repair of all I-Wall forms in the yard. Moved one set of forms to the East Bank at Mirabeau Ave. Operator removed all remaining MP-112 sheet piles between East B Sta. 104+00 and 103+00. Began loading and hauling these scrap sheets off today, as well as other trash & debris from East Bank - Robert E. Lee → Pump Sta. #4. Performed Structural excavation from East B Sta. 71+75 to Sta. 72+50 (re-work on area backfilled during emergency work for "OPAL"). Formed and poured stabilization slab from East B Sta. 71+30 to Sta. 72+20. Installed bond cable at East Mono. Joint #7-8 (one only). Burned holes for rebar to pass through CZ-101 sheet piles at East Mono. #4. Worked on permanent sheet pile connection at East B Sta. 70+23 (drilling holes in sheet pile pcs. for 7/8" connection bolts). Drove remaining sheet pile pcs. for Temp. Cofferdam tie-in to existing floodwall at East B Sta. 99+90, and Sta. 95+50. Welded and/or bolted these connections shut to make water tight flood protection complete. (See Inspections Performed for details). Began removing rip-rap on Canal Side of existing floodwall from East B Sta. 99+70 to 97+00 (not completed or removed from the jobsite yet). Also began pulling AZ-18's back up to elev. +11.50 at the request of the Government between E. B Sta. 99+69 and 96+70. (Not completed yet.) These sheets were previously cut off at elev +5.25 for I-Wall construction.

CONTRACTOR/SUBCONTRACTORS AND  
 AREAS OF RESPONSIBILITY

NO	TRADE	HOURS	COMPANY	LOCATION/WORK DESCRIPTION
11	Unskilled	112	B+K Const.	Assembling I-Wall form panel;
11	Skilled	110	"	Performing structural excavation;
2	Supt.	24	"	Forming & pouring stabilization slab;
1	Q.C. Rep	10.5	"	Making Temp. Cofferdam Tie-ins;
				Pulling up existing AZ-18's to el. +11.50;
				Removing MP-112 sheet piles;
				Hauling off debris; Installing
				bond cables; burning holes in
				CZ-101 sheets for rebar; making
				Temp. Cofferdam Tie-ins; Removing
				Rip-Rap.
				(See Locations Above)

## EQUIPMENT

DESCRIPTION	ARR/DEP	SAFETY CHECK	HRS USED	IDLE	REPAIR
Komatsu 200 Excavator 1	—	yes	6	2	—
Komatsu D37P Dozer	—	yes	3	5	—
Kubota 151 Excavator	—	yes	4	6	—
Case 580 Backhoe #1	—	yes	5	5	—
Koehring 535 Crane	—	No	0	8	—
MKT Vibro Hammer	—	No	0	8	—
Fiat-Allis MotorGrader	—	yes	2	8	—
Mantis 3612 Crane	—	yes	6	4	—
KOMATSU EXC. 200 #2 and EMU-300 Hammer	—	yes	5	5	—
Case 580 BACKHOE #2	—	yes	4	6	—
WELDING MACHINE	—	yes	6	4	—
Compressor + Sandblaster	—	NO	0	8	—
KOEHRING 405 CRANE	—	yes	5	5	—
6" diesel pump	—	NO	0	8	—

## MATERIALS RECEIVED

Received cubic yards of concrete (mix #44-C) from Lafarge Concrete Company today, and placed this material in stabilization slab on the East Bank between Sta. 71+30 and 72+20. Delivery tickets, complete with all batch information, were provided to the Government Inspector.

## TESTS PERFORMED

(As required by plans/specifications)

None Performed Today

Temporary Cofferdam Tie-in work was inspected today at East E Sta. 99+90 and Sta. 95+50 (approximate). Sheet piles were connected to exist. concrete cap at  $\pm$  sta 99+90, by welding a piece of angle iron to sheets, then anchoring the angle iron (with plastic sealant sandwiched in between) to concrete cap. At  $\pm$ Sta. 95+50, the temporary sheets were welded directly to the permanent A2-18 sheets (no plastic sealant necessary here). FL340 sleeve still has to be installed and made water proof, and FL422 penetration must be addressed as well, before this section of Temp. Cofferdam can be considered complete.

Mr. Chris Wagner and Mr. Dennis Duhon instructed us to close our total job Gap opening to 300 linear feet as soon as possible. There was apparently a misunderstanding on this point of the contract. BTK Construction believed that a 300' Gap pertained to each working crew, however, there must be two approved vibratory hammers, piling crews and cranes prior to opening any additional gaps. \*A2-18's previously cut off at el. +5.25 were pulled up to el. +11.50 from E. E Sta. 96+70 to 97+06 today.

JOB SAFETY

(Note inspection, violations/actions taken)

Inspected Safety fence and gates on the job site - East and West Banks. Safety fence was in good condition with a few exceptions near Access Road entrances. Access gates need replacing at Robert E Lee and Mirabeau Avenue, both East and West Banks. These problems will be attended to, and corrected by the end of this week.

## REMARKS

(Instructions received, miscellaneous remarks)

Inspector Zane Bryant had the following verbal instructions for BTK Construction Company today: ① No gap opening over 300 lf. below elev. +11.50 will be allowed per Spec. Section C2H-5.2 ② Coal Tar residue and blasting sand must be recovered and properly disposed of as soon as possible ③ All access gates must be repaired or replaced as soon as possible, and kept chained and locked when not being used by contractor ④ All silt fence/safety fence must be repaired 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

10-11-95

Date