

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE _____ PAGE OF PAGES
1

2. AMENDMENT/MODIFICATION NO. 0004 3. EFFECTIVE DATE 25 July 2003 4. REQUISITION/PURCHASE REQ. NO. _____ 5. PROJECT NO. (If applicable) _____

6. ISSUED BY CODE DACW17 7. ADMINISTERED BY (If other than Item 6) CODE _____

USA ENGINEER DISTRICT, JACKSONVILLE
PRUDENTIAL OFFICE BLDG
701 SAN MARCO BLVD., CESAJ-CT-E
JACKSONVILLE, FL 32207
KATHIE DUKE 904-232-3713 OR 561-626-7324

SOUTH FLORIDA AREA OFFICE
4400 PGA BOULEVARD
SUITE 203
PALM BEACH GARDEN, FLORIDA 33410

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) _____

(√) 9A. AMENDMENT OF SOLICITATION NO. DACW17-03-R-0012

(X) 9B. DATED (SEE ITEM 11) 6 June 2003

10A. MODIFICATION OF CONTRACTS/ORDER NO. _____

10B. DATED (SEE ITEM 13) _____

CODE _____ FACILITY CODE _____

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers _____ is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required) _____

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(√) A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: _____

D. OTHER (Specify type of modification and authority) _____

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

CENTRAL AND SOUTHERN FLORIDA ECOSYSTEM, CRITICAL RESTORATION PROJECT, WESTERN C-11 BASIN, PHASE 2, SPILLWAY 381, BROWARD COUNTY, FLORIDA

Any enclosures accompanying this amendment should be inserted in the plans and/or specifications as applicable. All superseded materials should be removed or adequately marked to indicate that they have been superseded.

PROPOSAL DUE DATE IS 6 AUGUST 2003, 4:00 PM.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) _____ 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) _____

15B. CONTRACTOR/OFFEROR _____ 15C. DATE SIGNED _____ 16B. UNITED STATES OF AMERICA BY Cynthia S. Delle (Signature of Contracting Officer) 16C. DATE SIGNED 25 Jul 03

(Signature of person authorized to sign)

SF 30 CONTINUATION SHEET

Central and Southern Florida Ecosystem Critical Restoration Project, Western C-11 Basin, Phase 2 Spillway 381.

DESCRIPTIVE CHANGES TO SPECIFICATIONS: There are no changes to the specifications.

CHANGES TO THE DRAWINGS: The following are changes to the drawings.

Drawing 10/1: **Remove** the old drawing 10/1 and **replace** it with the new drawing 10/1.

Drawing 10/2: **Remove** the old drawing 10/2 and **replace** it with the new drawing 10/2.

Drawing 10/4: **Remove** the old drawing 10/4 and **replace** it with the new drawing 10/4.

-End of Changes-



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

1. Symbol Zone
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DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

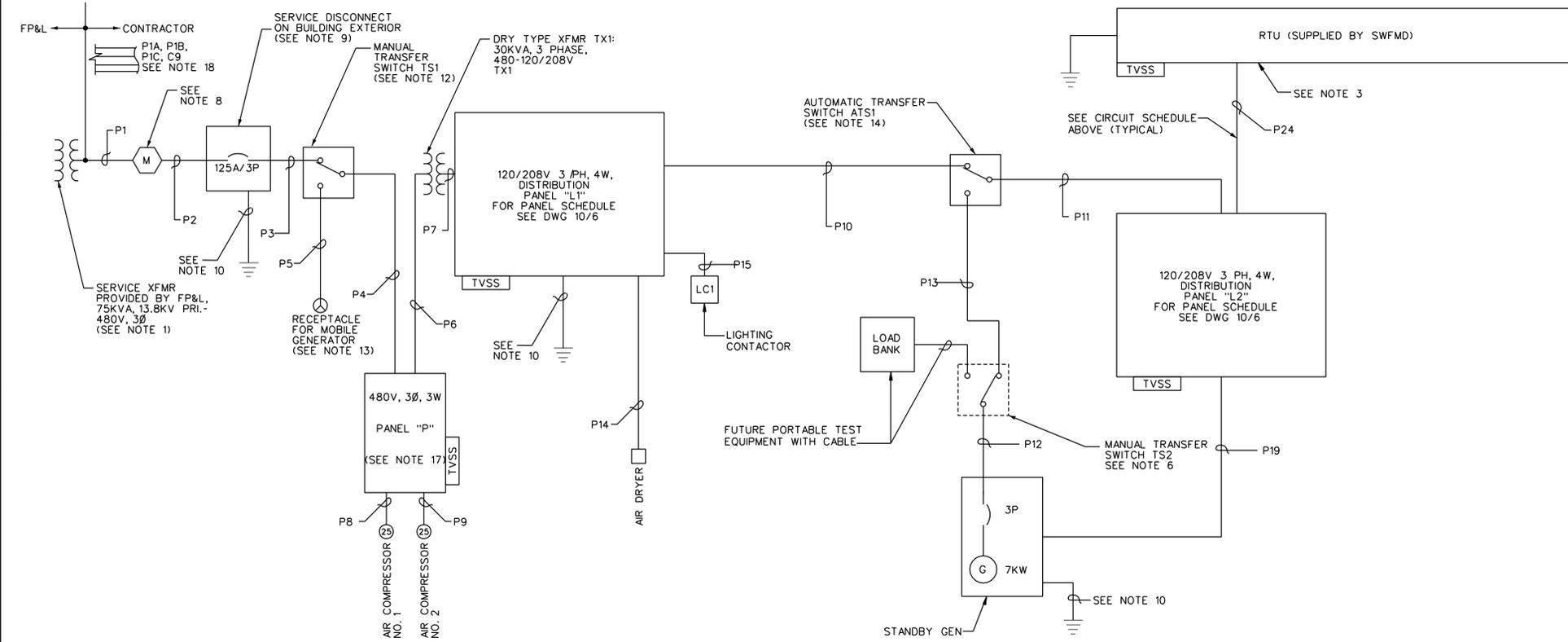
HDR ENGINEERING, INC.
2202 N. WEST SHORE BLVD.
TAMPA, FL 33607
CA. 4213

File name: E:\E81
Reference files: 33607008
Checked by: B. JARSON
Des. by: LUD
Scale:
Date: AUG 2002
D.O. FILE NO. 402-38,333

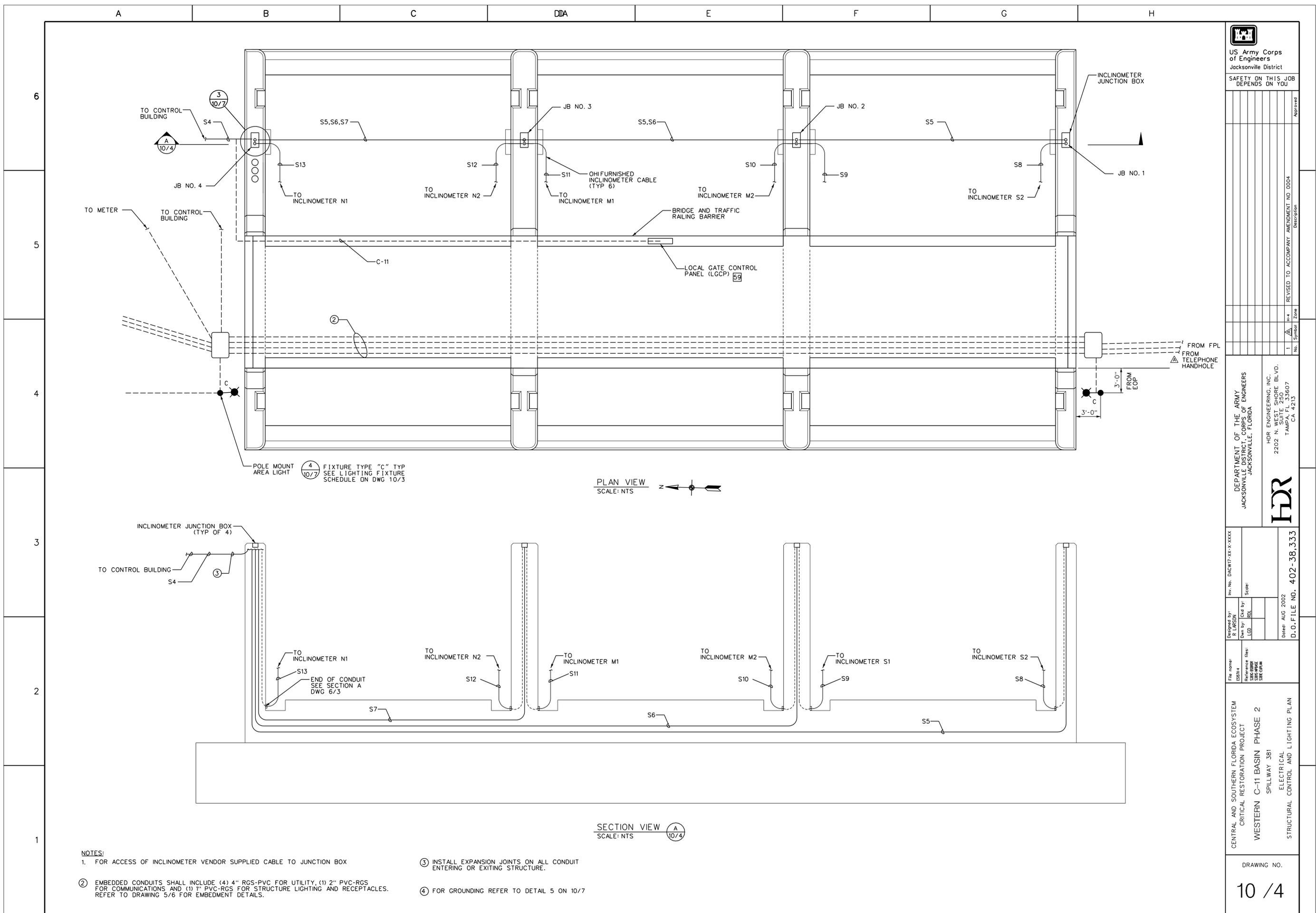
CENTRAL AND SOUTHERN FLORIDA ECOSYSTEM
RESTORATION PROJECT
WESTERN C-11 BASIN PHASE 2
SPILLWAY 381
ELECTRICAL
CIRCUIT AND CABLES SCHEDULE
DRAWING NO.
10/1

A B C D E F G H

CIRCUIT NO.	DESCRIPTION	FROM	TO	CONDUIT		WIRE IN CONDUIT		INSTRUMENTATION	NOTES
				SIZE	TYPE	PHASE	NEUTRAL		
P1	UNDERGROUND SERVICE LATERAL	FP&L SERVICE POINT	UTILITY METER	4"	CU, CP2	3-#2/0	1-#2/0		
P1A	SPARE CONDUIT	FP&L SERVICE POINT	NORTH OF LPG TANK	4"	CU, CP2				SPARE CONDUIT FOR FUTURE PROJECT. FURNISH PULL WIRE.
P1B	SPARE CONDUIT	FP&L SERVICE POINT	NORTH OF LPG TANK	4"	CU, CP2				SPARE CONDUIT FOR FUTURE PROJECT. FURNISH PULL WIRE.
P1C	SPARE CONDUIT	FP&L SERVICE POINT	NORTH OF LPG TANK	4"	CU, CP2				SPARE CONDUIT FOR FUTURE PROJECT. FURNISH PULL WIRE.
P2	ELECTRIC SERVICE	UTILITY METER	SERVICE DISCONNECT	2-1/2"	CS	3-#2/0	1-#2/0		
P3	ELECTRIC SERVICE	SERVICE DISCONNECT	MANUAL TRANSFER SWITCH "TS1"	2-1/2"	CS	3-#2/0	1-#2/0		
P4	ELECTRIC SERVICE	MANUAL TRANSFER SWITCH "TS1"	POWER PANEL "P"	2-1/2"	CS	3-#2/0			
P5	MOBILE GENERATOR CONNECTION	MANUAL TRANSFER SWITCH "TS1"	MOBILE GENERATOR RECEPTACLE	2-1/2"	CS	3-#2/0	1-#2/0		
P6	TRANSFORMER TX1 FEEDER	POWER PANELBOARD "P"	TRANSFORMER "TX1"	1 1/2"	CS	3-#4			
P7	DISTRIBUTION PANEL L1 FEEDER	TRANSFORMER "TX1"	DISTRIBUTION PANEL "L1"	2"	CS	3-#2	1-#2		
P8	AIR COMPRESSOR #1 FEEDER	POWER PANEL "P" CKT 2	AIR COMPRESSOR #1	1 1/2"	CP1	3-#2			
P9	AIR COMPRESSOR #2 FEEDER	POWER PANEL "P" CKT 8	AIR COMPRESSOR #2	1 1/2"	CP1	3-#2			
P10	DISTRIBUTION PANEL "L2" FEEDER	POWER PANEL "L1" CKT 2	AUTO TRANSFER SWITCH AT51	1 1/2"	CS	3-#4	1-#4		
P11	DISTRIBUTION PANEL "L2" FEEDER	AUTO TRANSFER SWITCH AT51	DISTRIBUTION PANEL "L2"	1 1/2"	CS	3-#4	1-#4		
P12	DIST PANEL "L2" STANDBY SUPPLY	STANDBY GENERATOR	MANUAL TRANSFER SWITCH TS2	1"	CP1	3-#8	1-#8		1-#10
P13	DIST PANEL "L2" STANDBY SUPPLY	MANUAL TRANSFER SWITCH TS2	AUTO TRANSFER SWITCH AT51	1"	CP1	3-#8	1-#8		1-#10
P14	AIR DRYER FEEDER	DISTRIBUTION PANEL "L1" CKT 8	AIR DRYER	3/4"	CS	2-#8	1-#10		1-#10
P15	EXTERIOR LIGHTING CONTROL	DISTRIBUTION PANEL "L1" CKT 1	LIGHTING CONTACTOR "LC1"	1"	CS	1-#10	1-#10		1-#10
P15X	EXTERNAL LIGHTING P.E. CONTROL	LIGHTING CONTACTOR "LC1"	PHOTO ELECTRIC DEVICE	3/4"	CS	2-#12	1-#12		1-#12
P15A	EXTERIOR LIGHTING	LIGHTING CONTACTOR "LC1"	PARKING AREA LIGHTING	1"	CU, CP2	1-#10	1-#10		1-#10
P15B	EXTERIOR LIGHTING	LIGHTING CONTACTOR "LC1"	BUILDING ENTRANCE LIGHTING	1"	CU, CP2	1-#10	1-#10		1-#10
P15C	EXTERIOR LIGHTING	LIGHTING CONTACTOR "LC1"	STRUCTURE LIGHTING	1"	CU, CP2	1-#10	1-#10		1-#10
P16	EXTERIOR POLE RECEPTACLES	DISTRIBUTION PANEL "L1" CKT 3	EXTERIOR POLE RECEPTACLES	3/4"	CS	1-#12	1-#12		1-#12
P17	INTERIOR LIGHTING CIRCUIT	DISTRIBUTION PANEL "L2" CKT 1	INTERIOR LIGHTS	3/4"	CS	1-#12	1-#12		1-#12
P18	INTERIOR RECEPTACLES	DISTRIBUTION PANEL "L2" CKT 3	INTERIOR RECEPTACLES	3/4"	CS	1-#12	1-#12		1-#12
P19	BATTERY CHARGER FEEDER	DISTRIBUTION PANEL "L2" CKT 5	STANDBY GENERATOR BATT CHRGR.	3/4"	CS	1-#12	1-#12		1-#12
P20	EXHAUST FAN FEEDER	DISTRIBUTION PANEL "L2" CKT 7	BUILDING EXHAUST FANS	3/4"	CS	1-#12	1-#12		1-#12
P21	SECURITY ALARM FEEDER	DISTRIBUTION PANEL "L2" CKT 9	SECURITY ALARM CONTROL PNL	3/4"	CS	1-#12	1-#12		1-#12
P22	LPG GAS DETECTOR	DISTRIBUTION PANEL "L2" CKT 11	LPG GAS DETECTOR	3/4"	CS	1-#12	1-#12		1-#12
P23	CONTROL PANEL FEEDER	DISTRIBUTION PANEL "L2" CKT 2	TOUCH PANEL/PLC	3/4"	CS	1-#12	1-#12		1-#12
P24	RTU FEEDER	DISTRIBUTION PANEL "L2" CKT 4	RTU CONTROL PANEL	3/4"	CS	1-#12	1-#12		1-#12
P25	CONTROL ROOM RECEPTACLE	DISTRIBUTION PANEL "L2" CKT 6	CONTROL ROOM RECEPTACLE	3/4"	CS	1-#12	1-#12		1-#12
C1	COMBUSTABLE ALARM INDICATION	LPG GAS DETECTOR	ALARM LIGHT FIXTURE	3/4"	CS		1-#12	2-#12	
C2	COMBUSTABLE ALARM TO RTU	LPG GAS DETECTOR	AIR CONTROL CABINET	3/4"	CS		1-#12	2-#14	
C3	STANDBY GENERATOR TROUBLE	STANDBY GENERATOR	AIR CONTROL CABINET	3/4"	CS		1-#12	2-#14	
C4	PANEL "L2" SUPPLIED BY STBY GEN	"ATS1"	AIR CONTROL CABINET	3/4"	CS		1-#12	2-#14	
C5	AIR COMPRESSOR #1 FAILURE	AIR COMPRESSOR #1	AIR CONTROL CABINET	3/4"	CS		1-#12	2-#14	
C6	AIR COMPRESSOR #2 FAILURE	AIR COMPRESSOR #2	AIR CONTROL CABINET	3/4"	CS		1-#12	2-#14	
C7	INTRUDER ALARM	BUILDING SECURITY ALARM PNL	AIR CONTROL CABINET	3/4"	CS		1-#12	2-#14	
C8	AIR CONTROL	TOUCH PANEL/PLC	RTU PANEL	2"	CS		1-#12	32-#14	11 SPARE CONDUCTORS
C8A	AIR CONTROL	AIR CONTROL CABINET	RTU PANEL	2"	CS		1-#12	20-#14	8 SPARE CONDUCTORS
C9	SPARE CONDUIT	FP&L SERVICE POINT	NORTH OF LPG TANK	2"	CU, CP2				SPARE CONDUIT FOR FUTURE PROJECT. FURNISH PULL WIRE.
C10	AIR CONTROL	AIR CONTROL CABINET	TOUCH PANEL/PLC	1"	SEE NOTE		1-#12	60-#14	8 SPARE CONDUCTORS, ROUTED IN WIREWAY
C11	AIR CONTROL (LOCAL)	AIR CONTROL CABINET	LOCAL GATE CONTROL PANEL	2"	CU		1-#12	32-#14	10 SPARE CONDUCTORS
S1	UPSTREAM STILLING WELL LEVEL	UP STREAM STILLING WELL	TOUCH PANEL/PLC	1"	CU		1-#12	2-1PR # 16, SH	SEE NOTES 2, 5. 1 SPARE CABLE.
S1A	SPARE CONDUIT	UP STREAM STILLING WELL	AIR CONTROL CABINET	1"	CU				SPARE CONDUIT, FURNISH PULL WIRE.
S2	DOWNSTREAM STILLING WELL LEVEL	DOWNSTREAM STILLING WELL	TOUCH PANEL/PLC	1"	CU		1-#12	2-1PR # 16, SH	SEE NOTES 2, 5. 1 SPARE CABLE.
S2A	SPARE CONDUIT	DOWNSTREAM STILLING WELL	AIR CONTROL CABINET	1"	CU				SPARE CONDUIT, FURNISH PULL WIRE.
S3	TELEMETRY SIGNAL	RTU PANEL	ANTENNA POLE	1"	CU, CS				CONTRACTOR TO INSTALL PULL WIRE FOR COAX BY OTHERS
S4	INCLINOMETERS	AIR CONTROL CABINET	INCLINOMETER TERMINAL BOX NO. 4	2"	CU, CP2		1-#12	9-1PR # 16, SH	3 SPARE CABLES
S5	INCLINOMETERS	INCLINOMETER TERMINAL BOX NO. 1	INCLINOMETER TERMINAL BOX NO. 4	2"	CP2		1-#12	2-1PR # 16, SH	1 SPARE CABLE
S6	INCLINOMETERS	INCLINOMETER TERMINAL BOX NO. 2	INCLINOMETER TERMINAL BOX NO. 4	2"	CP2		1-#12	3-1PR # 16, SH	1 SPARE CABLE
S7	INCLINOMETERS	INCLINOMETER TERMINAL BOX NO. 3	INCLINOMETER TERMINAL BOX NO. 4	2"	CP2		1-#12	3-1PR # 16, SH	1 SPARE CABLE
S8	INCLINOMETER S-2	INCLINOMETER TERMINAL BOX NO. 1	INCLINOMETER	1-1/4"	CP2				CABLE TO BE PROVIDED WITH INCLINOMETER.
S9	INCLINOMETER S-1	INCLINOMETER TERMINAL BOX NO. 2	INCLINOMETER	1-1/4"	CP2				CABLE TO BE PROVIDED WITH INCLINOMETER.
S10	INCLINOMETER M-2	INCLINOMETER TERMINAL BOX NO. 2	INCLINOMETER	1-1/4"	CP2				CABLE TO BE PROVIDED WITH INCLINOMETER.
S11	INCLINOMETER M-1	INCLINOMETER TERMINAL BOX NO. 3	INCLINOMETER	1-1/4"	CP2				CABLE TO BE PROVIDED WITH INCLINOMETER.
S12	INCLINOMETER N-2	INCLINOMETER TERMINAL BOX NO. 3	INCLINOMETER	1-1/4"	CP2				CABLE TO BE PROVIDED WITH INCLINOMETER.
S13	INCLINOMETER N-1	INCLINOMETER TERMINAL BOX NO. 4	INCLINOMETER	1-1/4"	CP2				CABLE TO BE PROVIDED WITH INCLINOMETER.
S14	AIR CONTROL	AIR CONTROL CABINET	TOUCH PANEL/PLC	1"	CS		1-#12	8-1PR # 16, SH	4 SPARE CABLES
S15	TELEPHONE	TELEPHONE HANDHOLE	TELEPHONE SERVICE PANEL	2"	CP2				WIRING TO BE INSTALLED AS REQUIRED BY TELEPHONE SERVICE



- NOTES
- FURNISH ELECTRICAL CONSTRUCTION AS REQUIRED FOR: CONTROL AND GENERATOR BUILDING, STILLING WELLS, CONTROL PANEL, ADDITION OF STRUCTURE 381, AND FEATURES TO ACCOMMODATE FUTURE TELEMETRY SYSTEM BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD).
 - 480V, 3-PHASE, 3 WIRE ELECTRICAL SERVICE. SEE ELECTRICAL SITE PLAN ON DRAWING 10/2 FOR DETAILS.
 - FURNISH 30" X 36" X 12" RTU ENCLOSURE EQUIPPED FOR FUTURE CONTROL EQUIPMENT AND WIRING BY SFWMD.
 - FOR GENERAL NOTES, SEE DWG 10/3.
 - FURNISH 48" CABLE WHIP AT EACH END FOR FUTURE TERMINATIONS.
 - FURNISH ONE HEAVY DUTY 60A 250V 3P DT MANUAL TRANSFER SWITCH FOR FUTURE CONNECTION OF STANDBY GENERATOR LOAD BANK.
 - ALL ELECTRICAL WORK SHALL BE PERFORMED BY ELECTRICIAN LICENSED IN STATE OF FLORIDA.
 - FURNISH A NEMA 3R, 200 AMP, 480V, 3PHASE, METER ENCLOSURE AND METER SOCKET PER POWER COMPANY REQUIREMENTS. FURNISH ALL ELECTRICAL COMPONENTS (BUSHINGS, NEMA 3R THREADED HUB, LUGS, CONDUIT, WIRING, ETC.) AS REQUIRED FOR COMPLETE POWER / METERING TERMINATIONS PER NEC AND POWER COMPANY REGULATIONS.
 - SERVICE DISCONNECT: FURNISH A 125A FRAME/125A TRIP, 480V, 3Ø, 4W, 22,000 AC RATING, ENCLOSED CIRCUIT BREAKER, UL LISTED FOR SERVICE ENTRANCE.
 - FURNISH 1#2 COPPER GROUNDING ELECTRODE CONDUCTOR TO BUILDING STEEL, METALLIC COLD WATER PIPE AND 3 - 20' x 1/2" DIA COPPER CLAD GROUND RODS SPACED AT MINIMUM 8'-0" APART. GROUNDING SHALL BE IN ACCORDANCE WITH THE NEC.
 - ALL CONDUITS SHALL BE PROVIDED WITH INSULATED BUSHINGS AT EACH END.
 - FURNISH MANUAL TRANSFER SWITCH AS FOLLOWS: HEAVY DUTY DOUBLE THROW, NON-FUSIBLE, 600V AC, 200 A, 3-POLE, WITH NEMA 3R ENCLOSURE.
 - FURNISH RECEPTACLE FOR MOBILE GENERATOR AS REQUIRED BY OWNER.
 - FURNISH AUTOMATIC TRANSFER SWITCH AS FOLLOWS: 100A, 120/208V, 3-PHASE WITH SOLID NEUTRAL, NEMA 1 ENCLOSURE, AND AUXILIARY CONTACTS FOR SWITCH POSITION.
 - FURNISH "CAUTION 480 VOLTS" LABELS ON ALL 480 VOLT RATED EQUIPMENT AND PANELS.
 - CONDUIT TYPES INDICATED ON CIRCUIT SCHEDULE ARE AS FOLLOWS:
CU- UNDERGROUND, PVC/RGS
CS- EXPOSED, RGS
CP1- EMBEDDED IN SLAB OR STRUCTURE, PVC
CP2- EMBEDDED IN SLAB OR STRUCTURE, PVC/RGS
 - FURNISH PHASE MONITORING AND FAILURE PROTECTION, PER SPECIFICATION REQUIREMENTS.
 - SPARE CONDUITS RESERVED FOR FUTURE C-11 PROJECT.



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Approved

Revised To: ACCOMPANY AMENDMENT NO. 0004

Department of the Army
Jacksonville District, Corps of Engineers
Jacksonville, Florida

HDR ENGINEERING, INC.
2202 N. W. 57th Avenue Blvd.
Tampa, FL 33607
CA 4213

File name: 10/74
Reference files: 10/74, 10/73, 10/72, 10/71, 10/70, 10/69, 10/68, 10/67, 10/66, 10/65, 10/64, 10/63, 10/62, 10/61, 10/60, 10/59, 10/58, 10/57, 10/56, 10/55, 10/54, 10/53, 10/52, 10/51, 10/50, 10/49, 10/48, 10/47, 10/46, 10/45, 10/44, 10/43, 10/42, 10/41, 10/40, 10/39, 10/38, 10/37, 10/36, 10/35, 10/34, 10/33, 10/32, 10/31, 10/30, 10/29, 10/28, 10/27, 10/26, 10/25, 10/24, 10/23, 10/22, 10/21, 10/20, 10/19, 10/18, 10/17, 10/16, 10/15, 10/14, 10/13, 10/12, 10/11, 10/10, 10/9, 10/8, 10/7, 10/6, 10/5, 10/4, 10/3, 10/2, 10/1

Checked by: R. LARSON
Drawn by: L. G. BOULDER

Date: AUG 2002

D.O. FILE NO. 402-38,333

CENTRAL AND SOUTHERN FLORIDA ECOSYSTEM
CRITICAL RESTORATION PROJECT
WESTERN C-11 BASIN PHASE 2
ELECTRICAL
STRUCTURAL CONTROL AND LIGHTING PLAN

DRAWING NO.
10 / 4