2998-G-663-S0 1

2998-G-663 SH. 1

ATLANTIC OCEAN
MEAN LOW WATER EL ± 0.00

PLAN
1" = 200'

SECT A-A (14,G16)
1" = 20'

SECT B-B (F-2)
1" = 20'

SECT C-C (K-14)
1" = 20'

SECT D-D (K-13)
1" = 10'

SECT E-E (K-13)
1/4" = 1'-0

DET "X" (16 REQ'D) (G-11)
1/2" = 1'-0

DET "Y" (B18)
1/2" = 1'-0

SECT J (L3)
NTS

SECT K (L2)
NTS

SECT V (L2)
NTS

ENLARGED PLAN (M-3)
1" = 40'

QUANTITIES:

MUCK EXCAVATION	BY FIELD
SAND BACK FILL	BY FIELD
GROUT FILLED FABRIC (FABRIFORM OR EQUAL)	BY FIELD
6" GROUT FILLED FABRIC (FABRIFORM OR EQUAL)	18,900 S.F.
CONC CLASS "AA" (4000 PSI)	BY FIELD

NOTES:

FOR CONCRETE CLASS, SEE CORRESPONDING SECTION.

FOR PIPELINE AND OCEAN STRUCTURES CONSTRUCTION, REFER TO EBASCO SPEC FLO 9111.025. (UNIT #1)

ALL COORDINATE LOCATIONS ARE REFERENCED TO NORTH-SOUTH AND EAST-WEST BASELINES OF PLANT.

ALL ELEVATIONS ARE REFERENCED TO MEAN LOW WATER EL 0.00' (OCEAN)

DEMUCKING SHALL INCLUDE REMOVAL OF INSITU SOILS INCLUDING UNCOMPACTED CLAYS & SILTS.

FOR CANAL EXCAVATION AND DIKE CONSTRUCTION REQUIREMENTS SEE EBASCO SPECIFICATION FLO 2524.479D.

OCEAN BOTTOM PROFILES BASED ON NINE MONTH AVERAGES BEGINNING WITH 10-13-71

FOR DISCHARGE CANAL MODIFICATIONS SEE DWGS 8770-G-721 THRU 8770-G-726.

GROUT FILLED FABRIC SHALL HAVE A 6" NOMINAL THICKNESS OF 6 INCHES MINIMUM UNLESS OTHERWISE NOTED.

PIPE SHALL MEET THE REQUIREMENTS OF EBASCO SPEC FLO 2524.479D. (UNIT #2)

FOR BUOY DETAILS, SEE SPECIFICATION FLO 9110-AS-7.

INSTALLATION OF DISCH PIPE SHALL BE IN ACCORDANCE WITH EBASCO SPEC FLO 2524.479C

UNIT #1 REFERENCE DWGS: 8770-

HEADWALL STRUCTS SECTS & DETAILS	G-694-1
HEADWALL STRUCTS SECTS & DETAILS	G-694-2
SITE GRADING & DRAINAGE SH 4	G-667

A-1-A BRIDGES OVER FPL CO. ST LUCIE PLANT, INTAKE & DISCHARGE CANALS AS PREPARED BY CARR SMITH & ASSOCIATES CONSULTING ENGINEERS, FLA

LEGEND

- DENOTES EASEMENT AREA
- DENOTES CONCRETE STRUCTURES
- DENOTES CWS FLOW DIRECTION

REFERENCE DWGS: 2998-

LIST OF DRAWINGS	A-146
THIRD INTAKE PIPELINE DIKE & CANAL MOD SH 1	G-664 530
DISCH PIPE UNIT #1 BLKHD MODIFICATION	G-664 513
BLKHD STRUCT M&R SH 2	
HEADWALL STRUCTURE SH.1	G-664 504
VELOCITY CAP SH.1	G-664 514 28
PIPE PLAN & PROFILE	G-664 532
EXCAV & BACKFILL PLANS & SECTS SH.2	G-482
PLANT ROADS - PLAN & SECTS	G-485
CWS OCEAN INT & DISCH SH.3	G-663 506
CWS OCEAN INT & DISCH SH.4	G-663 504
DISCH CANAL HEADWALL STR-M&R SH.1	G-664 501
DISCH CANAL HEADWALL STR-M&R SH.2	G-664 502
CWS OCEAN INT & DISCH SH 2	G-663 502
CWS OCEAN INT & DISCH SH 5	G-663 505
CWS OCEAN INT & DISCH SH 6	G-663 506
CWS SEAL WELL - MAS	G-659

UNIT #1 REFERENCE DWGS: 8770-

LIST OF DRAWINGS	A-146
PLANT ROADS - PLAN & SECTS	G-485
CWS - OCEAN INTAKE & DISCH - PROFILE	G-664 SH.1
CWS - OCEAN INTAKE & DISCH - SECT AND DETAILS SH.2	G-664 SH.2A
CWS - OCEAN INTAKE & DISCH - SECT AND DETAILS SH.3	G-664 SH.3
CWS - OCEAN INTAKE & DISCH - SECT & DET SH 2	G-664 SH.2)
DISCH CANAL DIKE MODIF. MONITORING DOCK	G-723
CWS SEAL WELL - MAS	G-659
CWS DISCH CANAL DIKE MODIF. PLAN & SECT	G-721 SH.1&2
CWS DISCH CANAL DIKE MODIF. SAFETY BARRIER	G-722
CWS DISCH CANAL DIKE MODIF. SEALWELL & HEADWALL	G-704 SH.1
CWS DISCH CANAL DIKE MODIF. SPILLWAY MAS & REINF	G-726

WORK THIS DWG WITH DWGS G-663 S02, S05, S03, S04, G-664 S13, S24, S28 & S32.

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FLORIDA POWER & LIGHT COMPANY
ST. LUCIE PLANT
1983 - 890,000 KW EXTENSION - UNIT NO. 2
CIRCULATING WATER SYSTEM
OCEAN INTAKE & DISCHARGE SH. 1

EBASCO SERVICES INCORPORATED NEW YORK

SCALE AS NOTED	APPROVED	DATE 2-27-75
DR. S. CHUEBOM	H.J. Kuo	2998
CH. Y. CHEN		G-663-S01

NO.	DATE	REVISION	BY	CH.	APPROVED
5	3-21-88	REV: (A10, D1) DWG "(D18) NOTE (N9) ELEV DEL: ((G18) NOTE, (L18, G18) REF DWG, (I15) PLAN ADD: (A10) DUCT, (A11, D9, F8, 15, J3, J4, W10, G15) NOTE, (S8, W10, 12, L5, 9, 10, 12, J5) SEC (G5, I10, J10, D8) REF DWG, (K2) DWG "(N10) NET AS PER GENERAL REVISION	RPAV	LEL	SHG	APR	SPR
4	4-18-84	REV: (E9, J18) KEF DWG — PER PCN 0-4-82 ADD: (G17, I8) NOTES, (J18, L18) REF DWGS DEL: (J18) REF DWGS, (C9, A15) NOTES ADD: (D9) 192" INTAKE LINE, (B9) VELOCITY CAP, (F9) HEADWALL, (G18, N4) NOTES 9, (J4, B14, B17, H15, H16) CONC APRON REV: (E9) DIKE AREA, (C9) QTY; (H9, M15) REF DWGS	GA DM	LKW	HHS	APR	SPR
3	9-1-83	ADD: (N13) (C8, 30 X) (E17) DET; (L10) NOTE; (G-5 M13, N13) SECTS; REV: (J5) COORD; (D19) NOTE; (L-10, J4, M5) PLANS	KDJ	CY.	HHS	APR	HEL
2	3-31-80	REV: (E18, J10) NOTE 8, (G-7 & 40, C-3) SECT, (S-5) SECT, DIM. ADD: (J10) (L1, (C4)) DIM, (C-5) NOTE 10, (L-7) SECT, (P-5) DIM, (P-7) DIM, (C-5, S-5) SECT MK.	VS	HK	HHS	SPR	HEL
1	10-1-79		ST	HK	HHS	SPR	HEL

REV	NCR	DCN	FCR				
3	904C	513-1781	513-1676	513-1591	2-2302	2-3314	2-3569, P-1502	2-6730	2-3480
	INCORP	INCORP	INCORP		INCORP			NOT INC	

NO.	DATE	REVISION	BY	CH.	APPROVED
6	12/4/83	REV: (L2) INTAKE CANAL ADD: (D14) SECT V PER PCN 020-386	MJT	JMC	

9701270078-83
ANSTEC APERTURE CARD
E