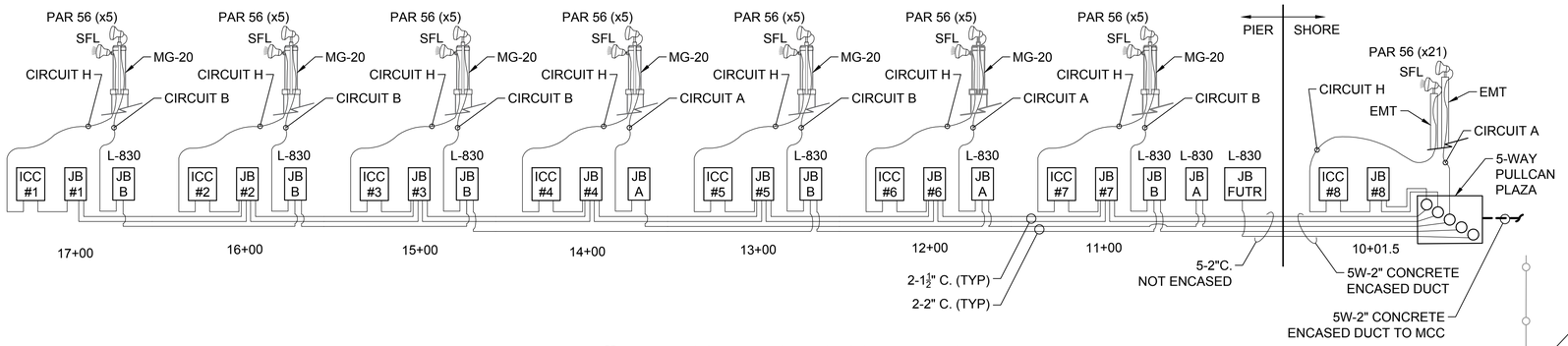


2 PIER CONDUIT & ENCLOSURE LAYOUT DETAIL

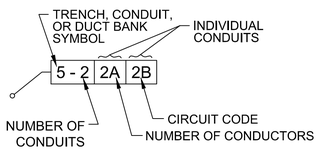
SCALE: NTS

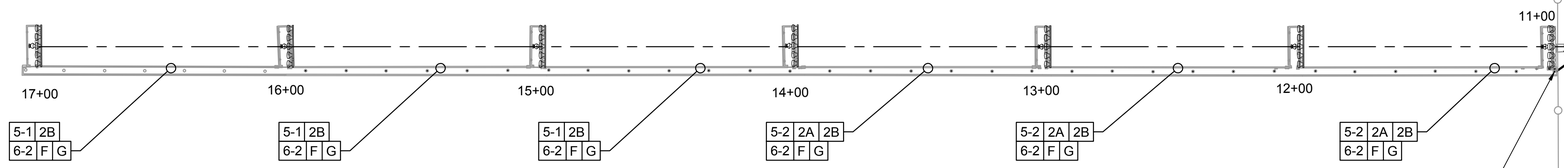
NOTES:

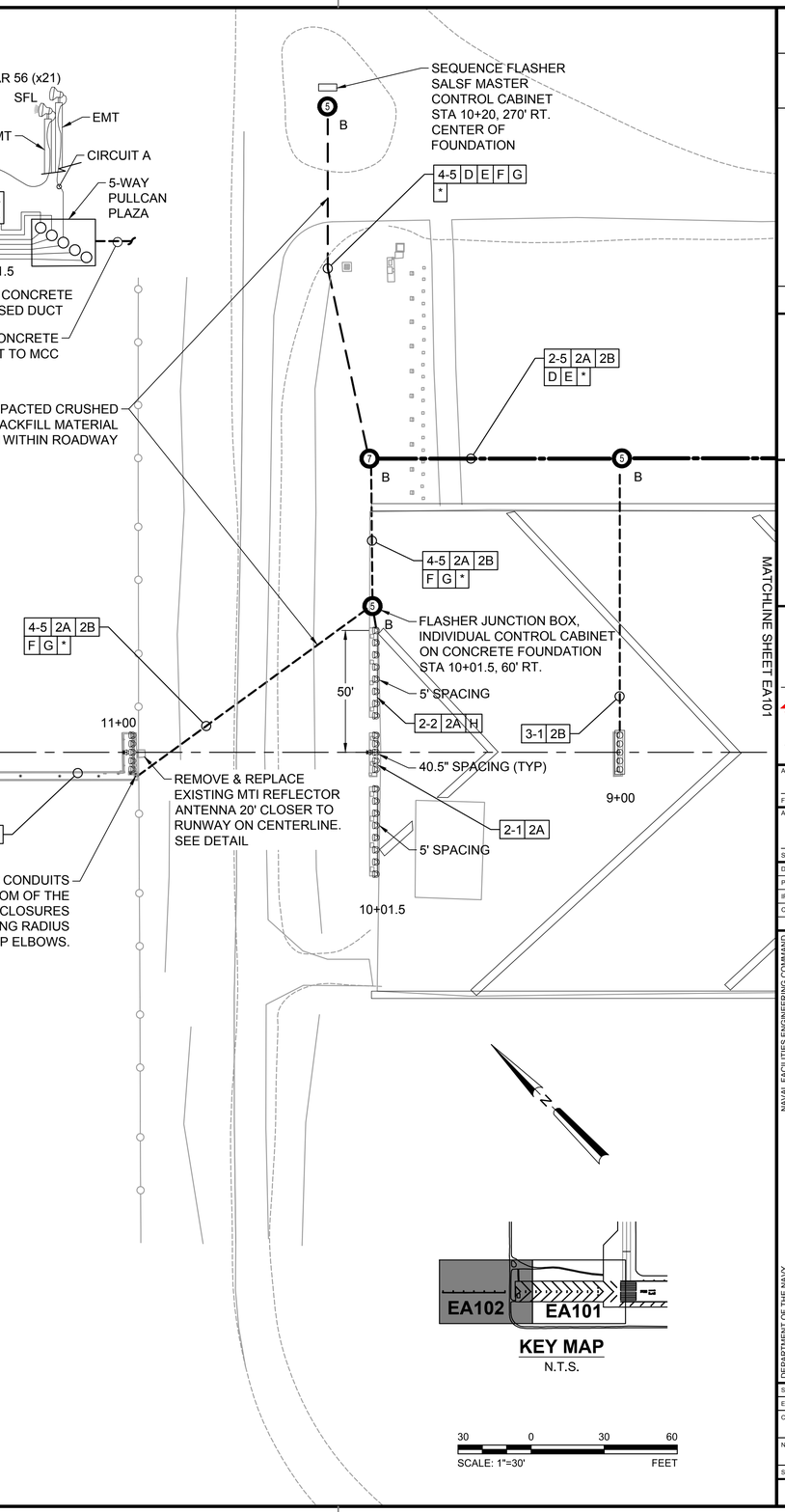
1. PROVIDE EXPANSION COUPLING AT MID-POINT OF EACH CONDUIT RUN BETWEEN ENCLOSURES ON THE PIER.
2. ALL PIER ENCLOSURES SHALL BE NEMA 4X, 316 STAINLESS STEEL WITH WELDED THREADED HUBS AND CONTINUOUS HINGES. PROVIDE A PAD LOCK HASP ON THE DOOR. PROVIDE AN ALUMINUM MOUNTING BACK BOARD IN THE L-830 JUNCTION BOXES ONLY. NEATLY TRAIN AND SECURE ALL CABLES WITH AN APPROVED NYLON CABLE CLAMP ON THE BACKBOARD.
   - ICC - SIZE PER MANUFACTURER REQUIREMENTS
   - JB FOR 1-1,500 WATT L-830 TRANSFORMER - 24" x 24" x 12" (MIN)
   - JB FOR 2-500 WATT L-830 TRANSFORMER - 24" x 24" x 10" (MIN)
   - JB FOR 3-500 WATT L-830 TRANSFORMER - 30" x 30" x 10" (MIN)
   - JB FOR ICC POWER AND CONTROL - SIZE PER MANUFACTURER REQUIREMENTS.
3. PROVIDE ¾" - 316 STAINLESS STEEL BARE OR PVC COATED FLEXIBLE CONDUIT WITH 316 STAINLESS STEEL CONNECTORS FROM ENCLOSURES TO MG-20 LIGHT BASE ASSEMBLY. SECURE FLEXIBLE CONDUIT WITH 316 STAINLESS STEEL STRAPS/HANGAERS AND HARDWARE AT 18" MAX. SPACING.
4. MOUNT INDIVIDUAL CONTROL CABINET (ICC) 12" ABOVE PIER HANDRAIL SIMILAR TO EXISTING ICC UNITS. PROVIDE 2-2" MIN. 316 STAINLESS STEEL PIPE AND FLOOR FLANGE SUPPORTS PER UNIT. FASTEN FLOOR FLANGES TO HAND RAIL WITH 316 S.S. BOLTS. GROUND/BOND THE EXTERIOR AND INTERIOR OF EACH ICC ENCLOSURE WITH THE BARE AND INSULATED #6 CU. WIRE.

1 TRENCH, CONDUIT & DUCT BANK LABEL LEGEND

SCALE: NTS







LEGEND

L-850E IN-PAVEMENT UNIDIRECTIONAL APPROACH LIGHT (WHITE) ON 15" DIAM L-868 CAN	EXISTING RUNWAY EDGE LIGHTING CCR CIRCUIT "R" — R
	PULL CAN PLAZA NUMBER — 37
500W FAA-E-982/PAR 56 FIXTURE (RED) AT GRADE ON 16" DIAM LB-1 CAN	PULL CAN PLAZA (# = NUMBER OF CANS) — #
300W FAA-E-982/PAR 56 FIXTURE (WHITE) ON EMT CONDUIT ON 16" DIAM LB-1 CAN	PULL CAN PLAZA TYPE (SEE DETAILS) — A or B
	DUCT BANK (AS NOTED)
300W FAA-E-982/PAR 56 FIXTURE (WHITE) w/ SEQUENCE FLASHER ON EMT CONDUIT ON 16" DIAM LB-1 CAN	EXISTING LIGHT
	EXISTING TRANSFORMER — TRANS
	EXISTING UTILITY MANHOLE
300W FAA-E-982/PAR 56 FIXTURE (WHITE) w/ SEQUENCE FLASHER ON MG-20 TOWER ASSEMBLY ON PIER MOUNTING PLATE	EXISTING CATCH BASIN
	EXISTING STORM DRAIN MANHOLE
	EXISTING FIRE HYDRANT
SALSF CCR CIRCUIT "A" — A	EXISTING GAS VALVE
SALSF CCR CIRCUIT "B" — B	
SALSF CCR CIRCUIT "C" — C	

DUCT BANK SCHEDULE

1	EXISTING DUCT BANK
2	2" PVC SCH. 40 D.E.B. TRENCHING
3	2" HDPE BORED UNDER EXISTING PAVEMENT
4	2" PVC CONCRETE FILL ENCASED DUCT BANK
5	2" PVC SCH. 40 SECURELY MOUNTED ON PIER
6	1-1/2" PVC SCH. 40 SECURELY MOUNTED ON PIER

CIRCUIT SCHEDULE

		SIZE	NOTES
A	SALSF CIRCUIT 1 OF 3	#6	1
B	SALSF CIRCUIT 2 OF 3	#6	1
C	SALSF CIRCUIT 3 OF 3	#6	1
D	2400V FEED TO NEW TRANSFORMER AT MASTER CONTROL CABINET	#6	6
E	SALSF SEQUENCED FLASHER MASTER CONTROL		2
F	SALSF SEQUENCED FLASHER INDIVIDUAL POWER FEED	#10 MIN	3, 7
G	SALSF SEQUENCED FLASHER INDIVIDUAL CONTROL FEED		4, 7
H	SEQUENCE FLASHER STROBE CABLE		5
*	SPARE CONDUIT #1		
**	SPARE CONDUIT #2		

1

(1) 5,000 VOLT, FAA L-824, TYPE C CABLE
(2) 9 - STRAND SINGLE MODE FIBER OPTIC CABLE. PROVIDE 50% SPARE FIBER STRANDS OR 9 TOTAL FIBER STRANDS MIN.
(3) 600V U.S.E. CONDUCTOR. SIZE AS REQUIRED BY SALSF EQUIPMENT MANUFACTURER, (3 CONDUCTORS - 2 POWER AND 1 NEUTRAL).
(4) AS SPECIFIED BY SALSF MANUFACTURER'S WIRING DIAGRAM
(5) SPECIFIED BY SALSF MANUFACTURER.
(6) 2EA 5kV, 133% INSULATION, w/ COPPER TAPE SHIELD, NEMA WC 8 EPR, 1EA #6 AWG INSULATED GREEN GROUND.
(7) INSTALL INSULATED (GREEN) #6 AWG GROUND IN CONDUIT, BOND/CONNECT TO ALL ENCLOSURES, AND PULL BOXES.

KEY MAP
N.T.S.

30 0 30 60
SCALE: 1"=30' FEET

SYM	DESCRIPTION	DATE	APPR
1	DUCTBANK & CABLE MODS	17 JUN 15	
0	ISSUED FOR BID	8 JUN 15	

NAVFAC

STATE OF TEXAS — JON M. McCALMONT — 100633 — LICENSED PROFESSIONAL ENGINEER — 8 JUN 15 — SEAL

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Delta Project No. 14072 A/E INFO

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FOR COMMANDER NAVFAC
ACTIVITY
SATISFACTORY TO DATE
DES EFC DRW MRM CHK MWK
PROJECT MANAGER
IPT TECH. BRANCH HEAD
CHIEF ENG/ARCH (CORE)

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
CIBIL CORE
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL AIR STATION JACKSONVILLE
NAS CORPUS CHRISTI
CORPUS CHRISTI, TEXAS
NAS CORPUS CHRISTI AIRFIELD REPAIRS
RUNWAY 13R APPROACH LIGHTS
ELECTRICAL LAYOUT

SCALE: 1"=30'
EPROJECT NO.:
CONSTR. CONTR. NO.
NAVFAC DRAWING NO. 15095300
SHEET 23 OF 33
EA102

DRAWFORM REVISION: 5 APRIL 2012

FILE NAME: N:\14072\04 CAD\04-Approach Lights\132443-EA102.dwg LAYOUT NAME: EA102 PLOTTED: Wednesday, June 17, 2015 - 4:07pm USER: mrm