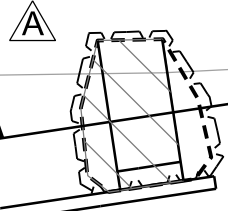




30' 0 30' 60'



A
C-04

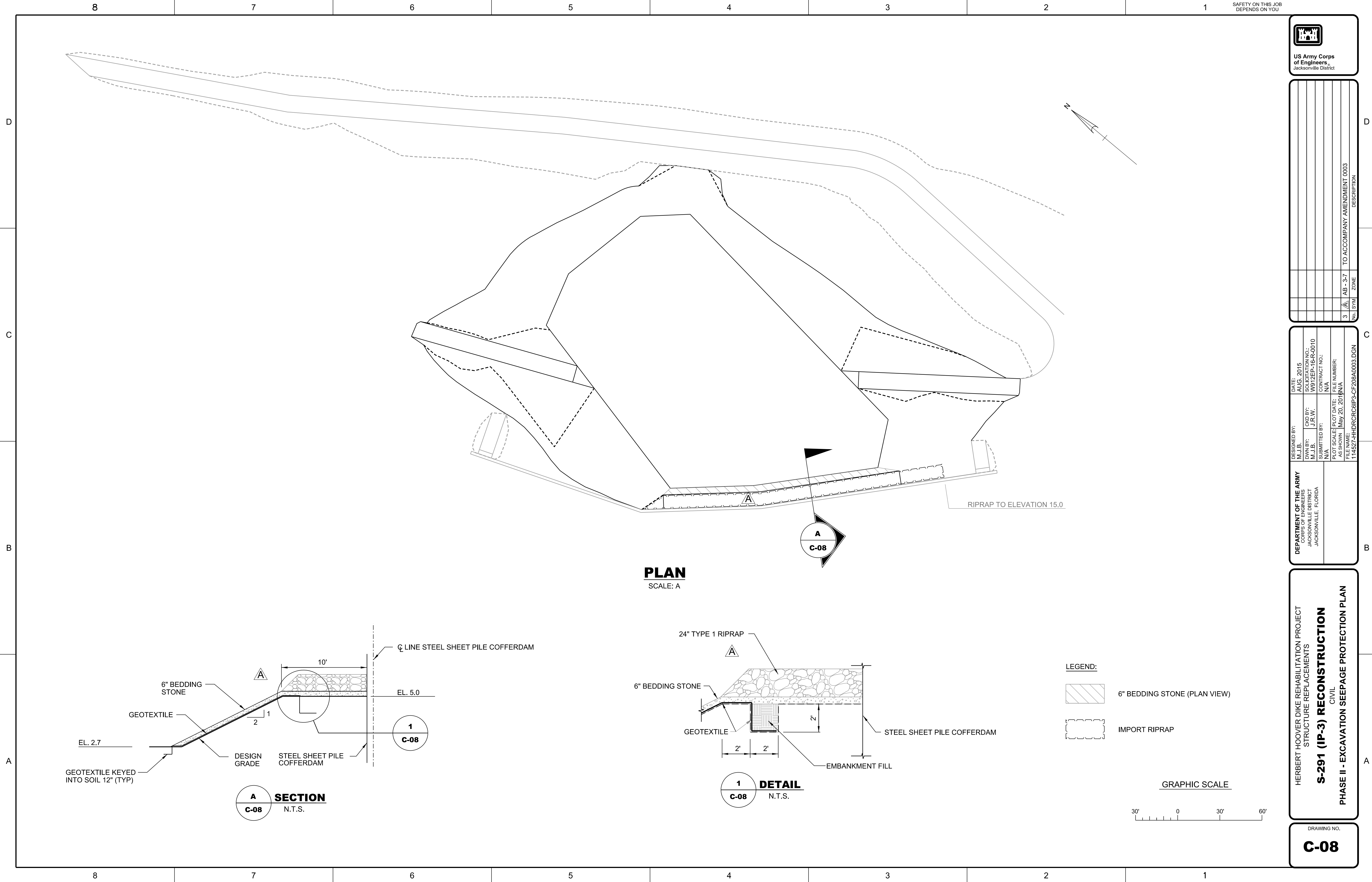
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CORPS OF ENGINEERS JACKSONVILLE DISTRICT JACKSONVILLE, FLORIDA	CNO BY: W912ET-16-R-0010 M.J.B. J.R.W. SUBMITTED BY: N/A CONTRACT NO.: N/A PLOT SCALE: N/A PLOT DATE: May 20, 2016 FILE NUMBER: 114527-HF-DRCR06IP3-CF-208A0003.DGN FILE NAME:
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S-291 (IP-3) RECONSTRUCTION
CIVIL
PHASE II - EXCAVATION SEE PAGE PROTECTION PLAN

DRAWING NO.

-08





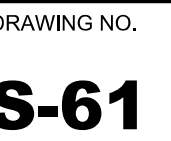
1 CONTRACTOR SHALL PROVIDE, BUT NOT INSTALL, 2 HORIZONTAL SAFETY LINES IN ACCORDANCE WITH DETAIL 4 OF DWG NO. S-57. CONTRACTOR SHALL DELIVER THE 2 HORIZONTAL SAFETY LINES TO THE U.S. ARMY CORPS OF ENGINEERS, SOUTH FLORIDA OPERATIONS OFFICE, CLEWISTON FLORIDA.



"A" 24" 12" 0 2' 4' 6' 8' 10'

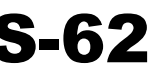
[illegible]

DRAWING NO.
S-39





- 3** **DETAIL**
S-62 SCALE: N.T.S.





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- A triangle with the letter 'B' inside it.

- [illegible]



DEPARTMENT OF THE ARMY CORPS OF ENGINEERS JACKSONVILLE DISTRICT JACKSONVILLE, FLORIDA	DESIGNED BY:	DATE:
	C.B.G.	MAY 1946
	SOLUTION NO.:	
	W.E.S.	W912EP-16-R-0010
	SUBMITTED BY:	CONTRACT NO.:
	N/A	N/A
	PLOT DATE:	FILE NUMBER:
	AS SHOWN	MAY 19, 1946
FILE NAME: 114527-HDRCRIP-3-SC5563.DGN		

STRUCTURE REPLACEMENTS

S-291 (IP-3) RECONSTRUCTION

STRUCTURAL
LAKESIDE

PHASE IV STEEL COFFERDAM PLAN AND DETAILS

DRAWING NO.

S-63



US Army Corps
of Engineers
Jacksonville District

NOTES:

- FOR UTILITY POINT OF CONNECTION, SEE DRAWING E-03. CONTRACTOR SHALL COORDINATE WITH ELECTRIC UTILITY TO INSTALL 1-PHASE, 240VAC, 100A SERVICE AND PERFORM ALL REQUIRED WORK AS STATED BY ELECTRIC UTILITY STANDARDS AND REGULATIONS.
- SEE DRAWING E-02 FOR LIGHTING FIXTURE SCHEDULE AND INSTALLATION NOTES. PROVIDE PHOTOCELL FOR EXTERNAL LIGHTS.
- LOCATIONS OF EQUIPMENT, PANELS ETC. ARE APPROXIMATE. CONTRACTOR SHALL VERIFY AND COORDINATE WITH PROVIDED EQUIPMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING A SUFFICIENT QUANTITY OF EMBEDS ARE INSTALLED TO MEET CONDUIT ROUTING REQUIREMENTS. CONTRACTOR SHALL COORDINATE INSTALLATION WITH STRUCTURAL CONTRACTOR.
- SEE DRAWING E-09 AND E-10 FOR ELECTRICAL DETAILS.
- SEE DRAWING T-01 THRU T-10 FOR TELECOMMUNICATIONS.
- INSTRUMENT CABLE SHALL BE BELDEN 9883 OR CONTRACTING OFFICER APPROVED EQUAL.
- SPARE CONDUIT FINISH ON BOTH ENDS PER SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER DESIGN OF GATE ACTUATOR SYSTEM INCLUDING MOTOR H.P., OPERATOR CONTROL, STEM SIZE, LOAD AND THRUST OPERATION REQUIRED FOR SUFFICIENT GATE OPERATION AND SHALL MAKE ANY NECESSARY CHANGE TO CONDUIT, CABLE, BREAKER SIZE, DISCONNECT, ETC. TO ACCOMMODATE THE INSTALLED EQUIPMENT TO ENSURE A FUNCTIONAL OPERATION SYSTEM.
- LIGHTNING PROTECTION SYSTEM SHALL BE DONE IN ACCORDANCE WITH NFPA 780, STANDARD FOR THE INSTALLATION OF LIGHTNING PROTECTION SYSTEMS.

KEY NOTES:

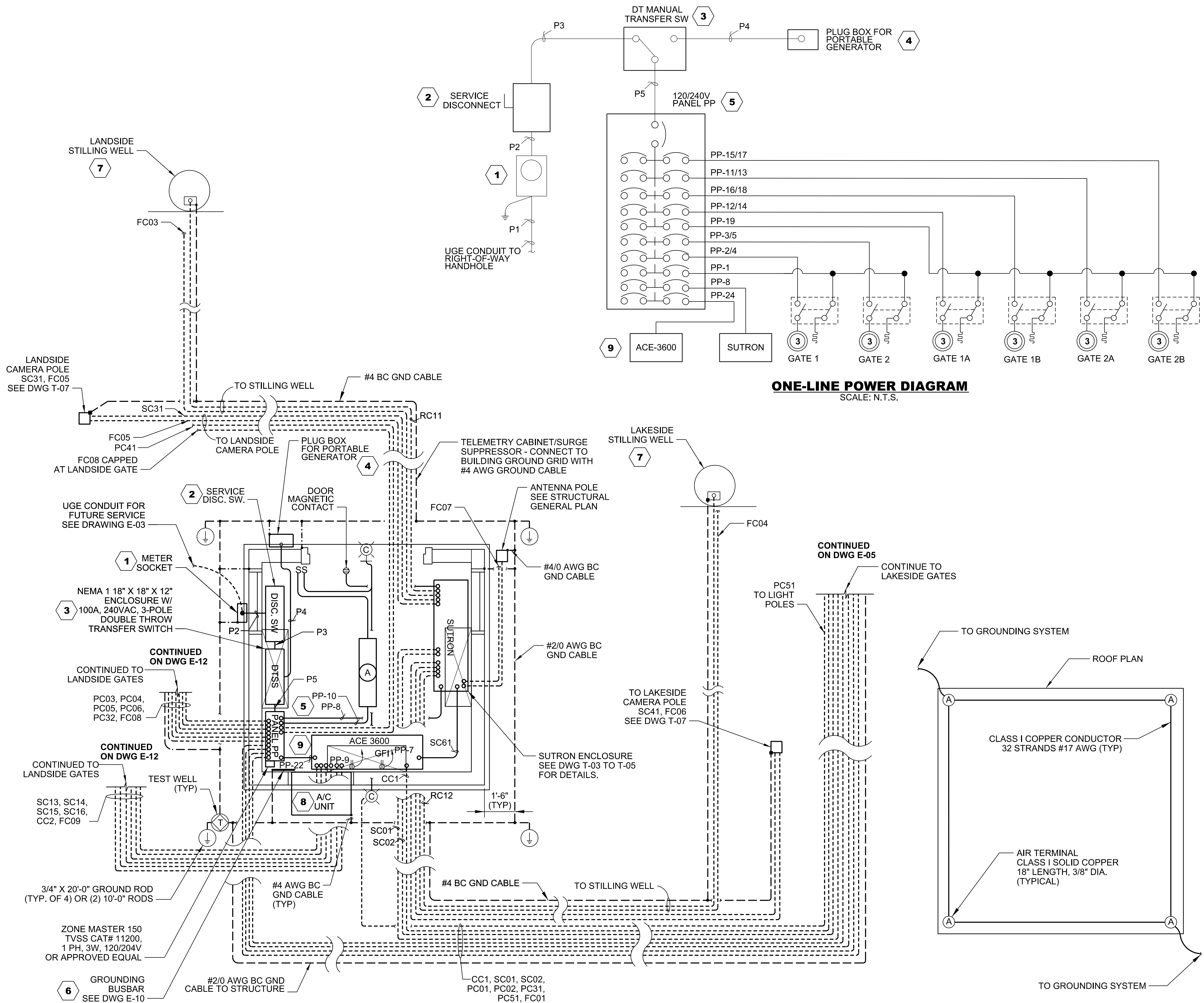
- FURNISH AND INSTALL AN OUTDOOR, 1-PHASE, 240VAC, 100A, NEMA 3R RATED METER ENCLOSURE. MOUNT CENTER OF METER ENCLOSURE 5 FT ABOVE FINISHED GRADE.
- FURNISH AND INSTALL A SERVICE DISCONNECT -- HEAVY DUTY, FUSED SAFETY SWITCH RATED FOR SERVICE-ENTRANCE-USE, 240VAC, 100A, 1-PHASE, NEMA TYPE 1 ENCLOSURE. USE #4 AWG BARE COPPER CABLE TO GROUND THE SERVICE NEUTRAL. FUSE THE DISCONNECT AT 100A.
- FURNISH AND INSTALL A 3-POLE, 240VAC, 100A, MANUALLY OPERATED, DOUBLE THROW TRANSFER SWITCH IN A NEMA TYPE 1 ENCLOSURE.
- PROVIDE A 240V, 30A, 1-PH. MARINE -GRADED FEMALE TYPE PLUG, NEMA L14-30P. FOR PORTABLE GENERATOR. PLUG BOX SHALL BE NEMA 3R ENCLOSURE.
- FURNISH AND INSTALL A 100A, 1-PHASE, 3-WIRE, NEMA 1 PANEL WITH MAIN BREAKER AND 30 POSITIONS, MINIMUM SHORT CIRCUIT CURRENT RATING OF 22KA (RMS SYMMETRICAL). SEE PANEL BOARD SCHEDULE FOR FEEDER BREAKER REQUIREMENTS. FILL ALL SPARE SPACES WITH 1-POLE, 20A BREAKERS.
- PROVIDE COPPER GROUNDING BUSBAR FOR ALL GROUNDING TO EQUIPMENT ENCLOSURES, PANELS, AND CABINETS.
- SEE MECHANICAL DRAWINGS FOR STILLING WELL DETAILS.
- PROVIDE AND INSTALL A WALL MOUNTED A/C UNIT WITH 6,000 BTUH COOLING CAPACITY AND MINIMUM 10 ENERGY EFFICIENCY RATING (EER). THE UNIT SHALL HAVE THREE COOLING AND FAN SPEED SETTINGS AND DIGITAL THERMOSTAT. PROVIDE STAINLESS STEEL VANDAL- PROOF GUARD CAGE. SEE STRUCTURAL DRAWING FOR GUARD CAGE DETAILS AND COORDINATE WITH PROVIDED A/C EQUIPMENT FOR WALL OPENING DIMENSIONS.
- PROVIDE A 36" X 30" X 12" NEMA 4 ENCLOSURE FOR MOTOROLA ACE-360 TELEMETRY SYSTEM (NIC) FOR FUTURE REMOTE OPERATION FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD); CABLES FED THROUGH INSIDE ACE-3600 ENCLOSURE FOR SFWMD FUTURE REMOTE OPERATION SHALL BE PROPERLY LABELED. PROVIDE ADDITIONAL 5 FEET FOR EACH CABLE AND ROLL UP CABLES NEATLY IN SEPARATE BUNDLES FOR SPECIFIC FUNCTION INSIDE THE ENCLOSURE.

NO.		SYM	ZONE	DESCRIPTION
1	A1			REVISED TO ACCOMPANY AMENDMENT NO. 0003

DATE: OCTOBER 2015	DESIGNED BY: V.L.	DATE: OCTOBER 2015	DESIGNED BY: V.L.
DRAWN BY: J. S. JAX	DATE: OCTOBER 2015	DRAWN BY: J. S. JAX	DATE: OCTOBER 2015
CHECKED BY: J. S. JAX	DATE: OCTOBER 2015	CHECKED BY: J. S. JAX	DATE: OCTOBER 2015
APPROVED BY: J. S. JAX	DATE: OCTOBER 2015	APPROVED BY: J. S. JAX	DATE: OCTOBER 2015
PROJECT NO: S-291 (IP-3) RECONSTRUCTION	CONTRACT NO: N/A	PROJECT NO: S-291 (IP-3) RECONSTRUCTION	CONTRACT NO: N/A
PLOT SCALE: 1" = 10'-0"	FILE NUMBER: 114627-HDRCRIP3-EP104.DGN	PLOT SCALE: 1" = 10'-0"	FILE NUMBER: 114627-HDRCRIP3-EP104.DGN

HERBERT HOOVER DIKE REHABILITATION PROJECT
STRUCTURE REPLACEMENTS
S-291 (IP-3) RECONSTRUCTION
ELECTRICAL
STRUCTURAL ELECTRICAL PLAN
SHEET 1

DRAWING NO.
E-04



ONE-LINE POWER DIAGRAM
SCALE: N.T.S.

CONTROL BUILDING ELECTRICAL LAYOUT
SCALE: N.T.S.

LIGHTNING PROTECTION
SCALE: N.T.S.

