

**NOTES:**  
 1. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO NORTH AMERICAN VERTICAL DATUM 1988 (NAVD)

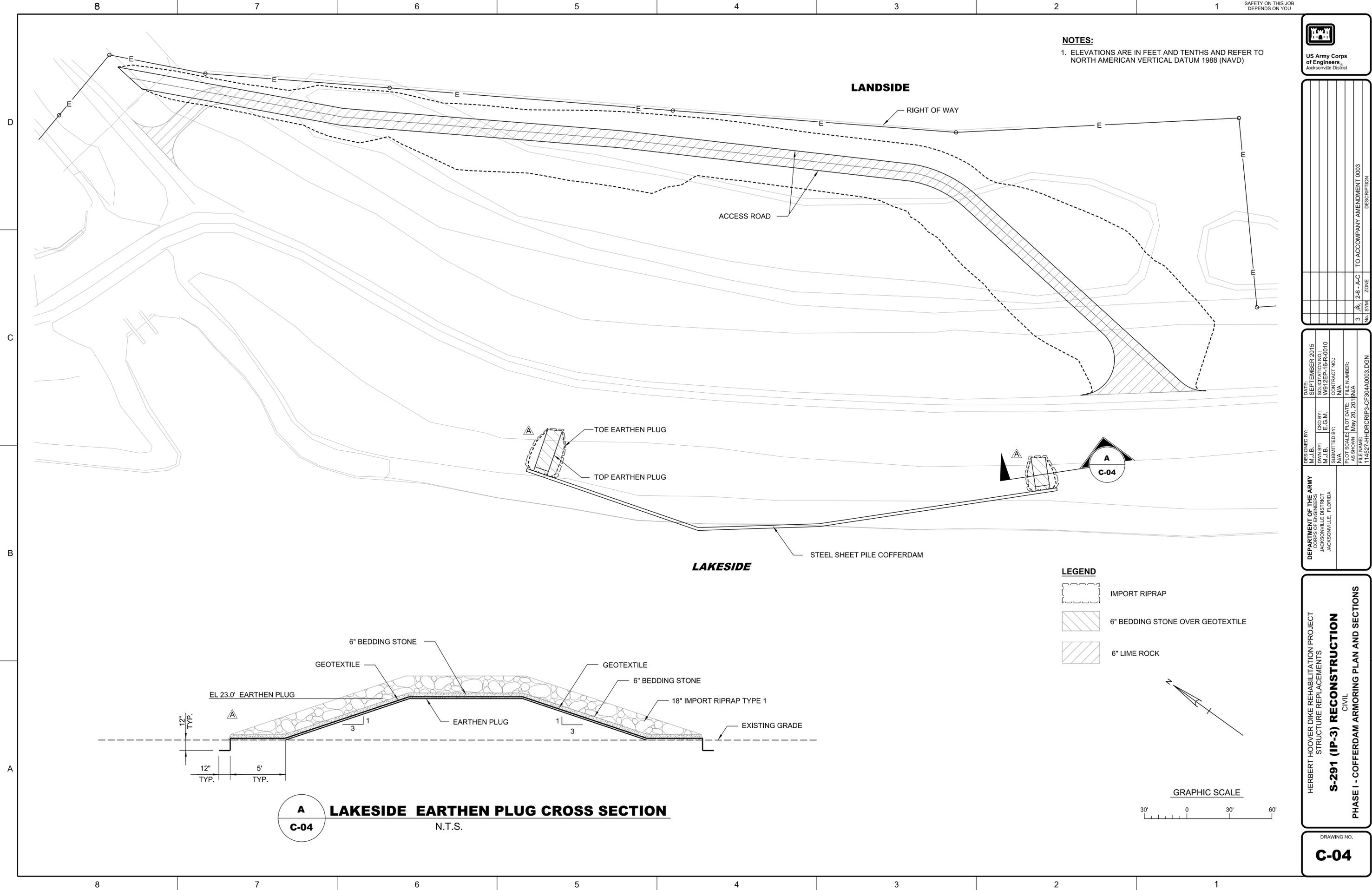


No.	SYMBOL	ZONE	DESCRIPTION
3		2-6 - A-C	TO ACCOMPANY AMENDMENT 0003

DESIGNED BY:	DATE:	DESIGNED BY:	DATE:
REVISED BY:	DATE:	REVISED BY:	DATE:
APPROVED BY:	DATE:	APPROVED BY:	DATE:
PROJECT NO.:	FILE NO.:	PROJECT NO.:	FILE NO.:
DATE:	DATE:	DATE:	DATE:
FILE NAME:	FILE NAME:	FILE NAME:	FILE NAME:

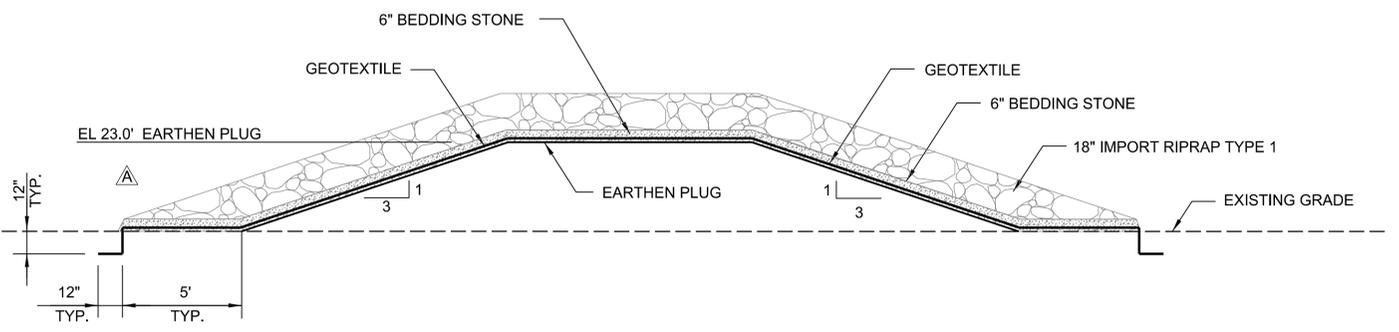
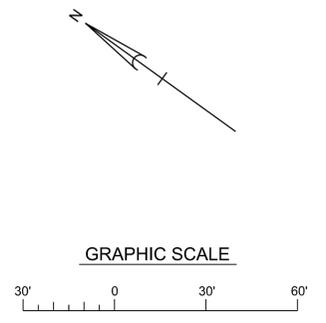
HERBERT HOOVER DIKE REHABILITATION PROJECT  
 STRUCTURE REPLACEMENTS  
**S-291 (IP-3) RECONSTRUCTION**  
 CIVIL  
 PHASE 1 - COFFERDAM ARMORING PLAN AND SECTIONS

DRAWING NO.  
**C-04**



**LEGEND**

	IMPORT RIPRAP
	6" BEDDING STONE OVER GEOTEXTILE
	6" LIME ROCK



**A C-04 LAKESIDE EARTHEN PLUG CROSS SECTION**  
 N.T.S.

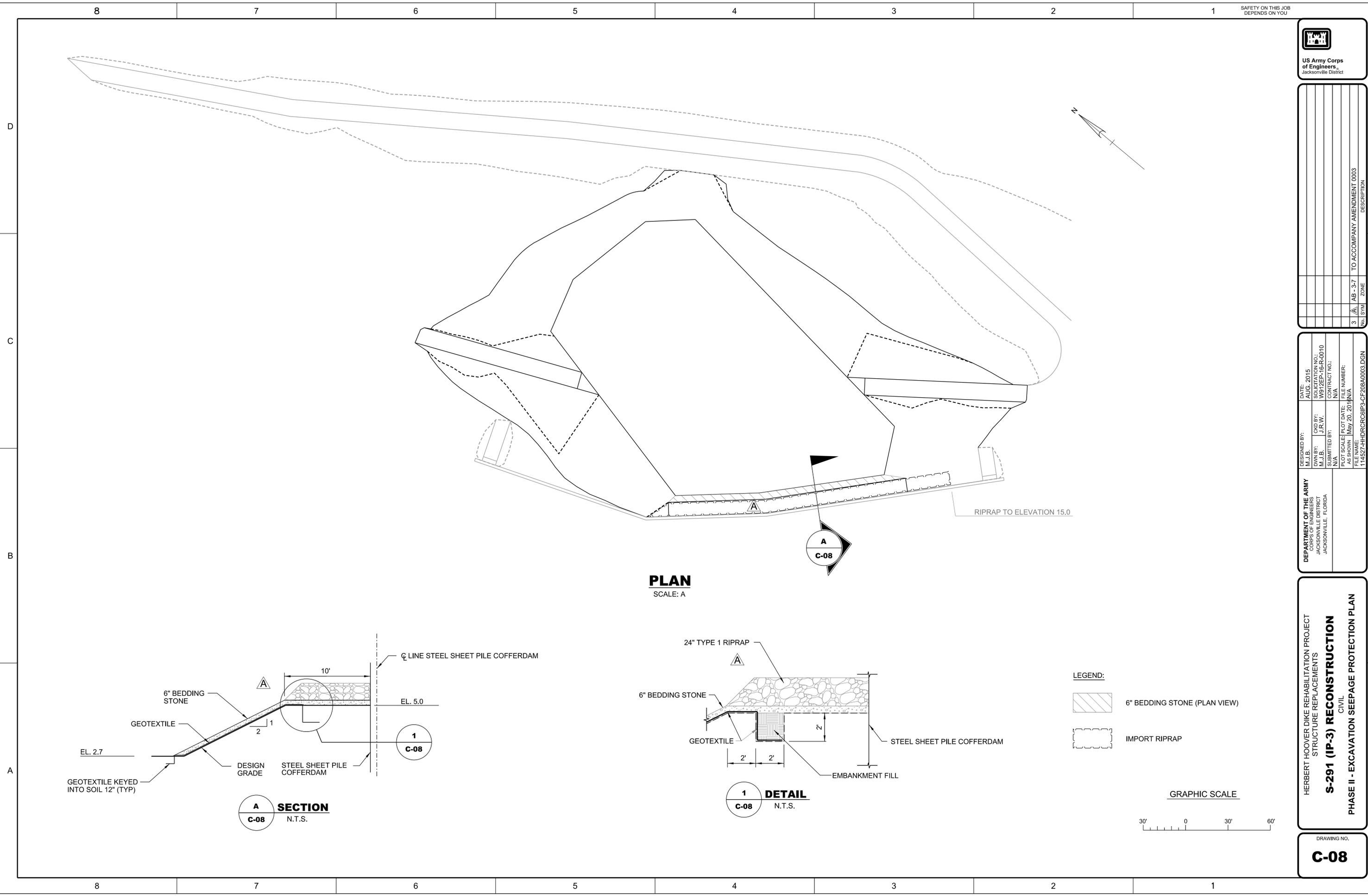


DESIGNED BY:	DATE:		
DRAWN BY:	AUG. 2015		
CHECKED BY:	W. J. W.		
IN CHARGE:	W. J. W.		
PROJECT NO.:	W912EP16R-0010		
CONTRACT NO.:	N/A		
FILE NUMBER:	N/A		
AS SHOWN:	May 20, 2015		
FILE NAME:	114527-HDRCR6IP3-CF208A0003.DGN		
No.	SYM	ZONE	DESCRIPTION
3	A	AB - 3-7	TO ACCOMPANY AMENDMENT 0003

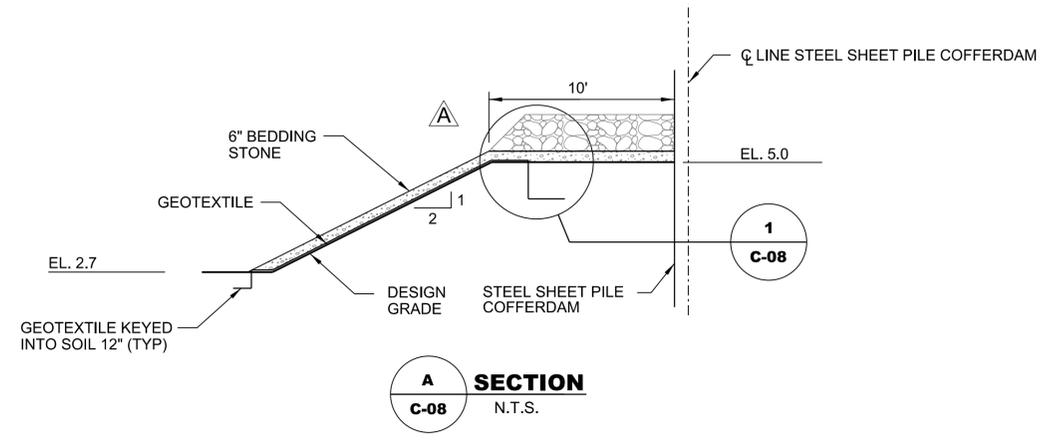
DESIGNED BY:	DATE:		
DRAWN BY:	AUG. 2015		
CHECKED BY:	W. J. W.		
IN CHARGE:	W. J. W.		
PROJECT NO.:	W912EP16R-0010		
CONTRACT NO.:	N/A		
FILE NUMBER:	N/A		
AS SHOWN:	May 20, 2015		
FILE NAME:	114527-HDRCR6IP3-CF208A0003.DGN		
No.	SYM	ZONE	DESCRIPTION
3	A	AB - 3-7	TO ACCOMPANY AMENDMENT 0003

HERBERT HOOVER DIKE REHABILITATION PROJECT  
STRUCTURE REPLACEMENTS  
**S-291 (IP-3) RECONSTRUCTION**  
CIVIL  
PHASE II - EXCAVATION SEEPAGE PROTECTION PLAN

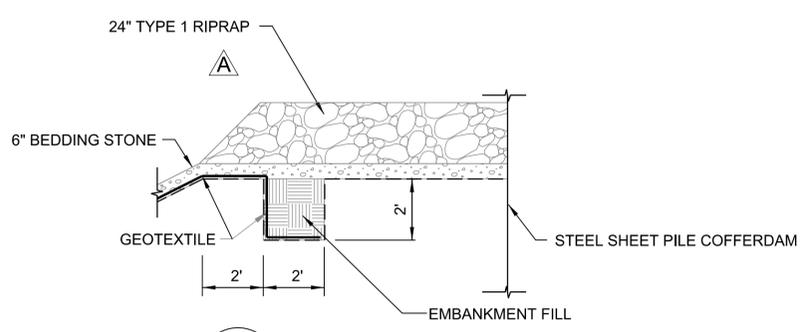
DRAWING NO.  
**C-08**



**PLAN**  
SCALE: A

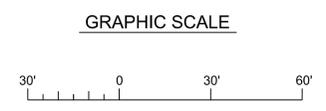


**A SECTION**  
C-08 N.T.S.



**1 DETAIL**  
C-08 N.T.S.

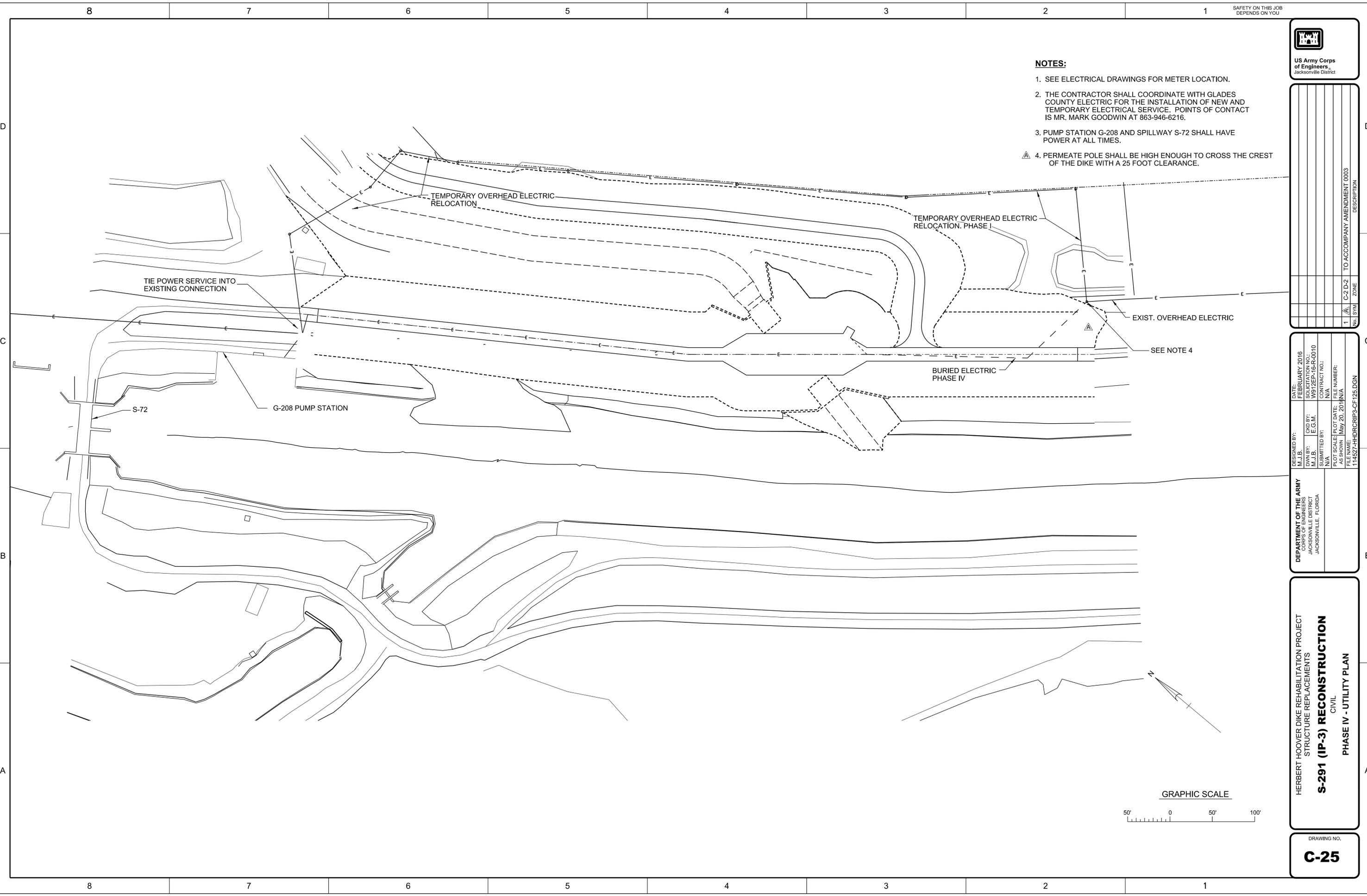
- LEGEND:**
- 6" BEDDING STONE (PLAN VIEW)
  - IMPORT RIPRAP





**NOTES:**

1. SEE ELECTRICAL DRAWINGS FOR METER LOCATION.
2. THE CONTRACTOR SHALL COORDINATE WITH GLADES COUNTY ELECTRIC FOR THE INSTALLATION OF NEW AND TEMPORARY ELECTRICAL SERVICE. POINTS OF CONTACT IS MR. MARK GOODWIN AT 863-946-6216.
3. PUMP STATION G-208 AND SPILLWAY S-72 SHALL HAVE POWER AT ALL TIMES.
4. PERMEATE POLE SHALL BE HIGH ENOUGH TO CROSS THE CREST OF THE DIKE WITH A 25 FOOT CLEARANCE.



No.	SYM	ZONE	DESCRIPTION
1	△	C-2 D-2	TO ACCOMPANY AMENDMENT 0003

DESIGNED BY: M.J.B.	DATE: FEBRUARY 2016
CHKD BY: E.C.M.	NO. BY: W912EP16R-0010
SUBMITTED BY:	CONTRACT NO.:
PLOT SCALE: AS SHOWN	FILE DATE: May 20, 2016
FILE NAME: 114527-HDRCRIP3-CF125-DGN	FILE NUMBER:

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
JACKSONVILLE DISTRICT  
JACKSONVILLE, FLORIDA

HERBERT HOOVER DIKE REHABILITATION PROJECT  
STRUCTURE REPLACEMENTS  
**S-291 (IP-3) RECONSTRUCTION**  
CIVIL  
PHASE IV - UTILITY PLAN

DRAWING NO.  
**C-25**

GRAPHIC SCALE

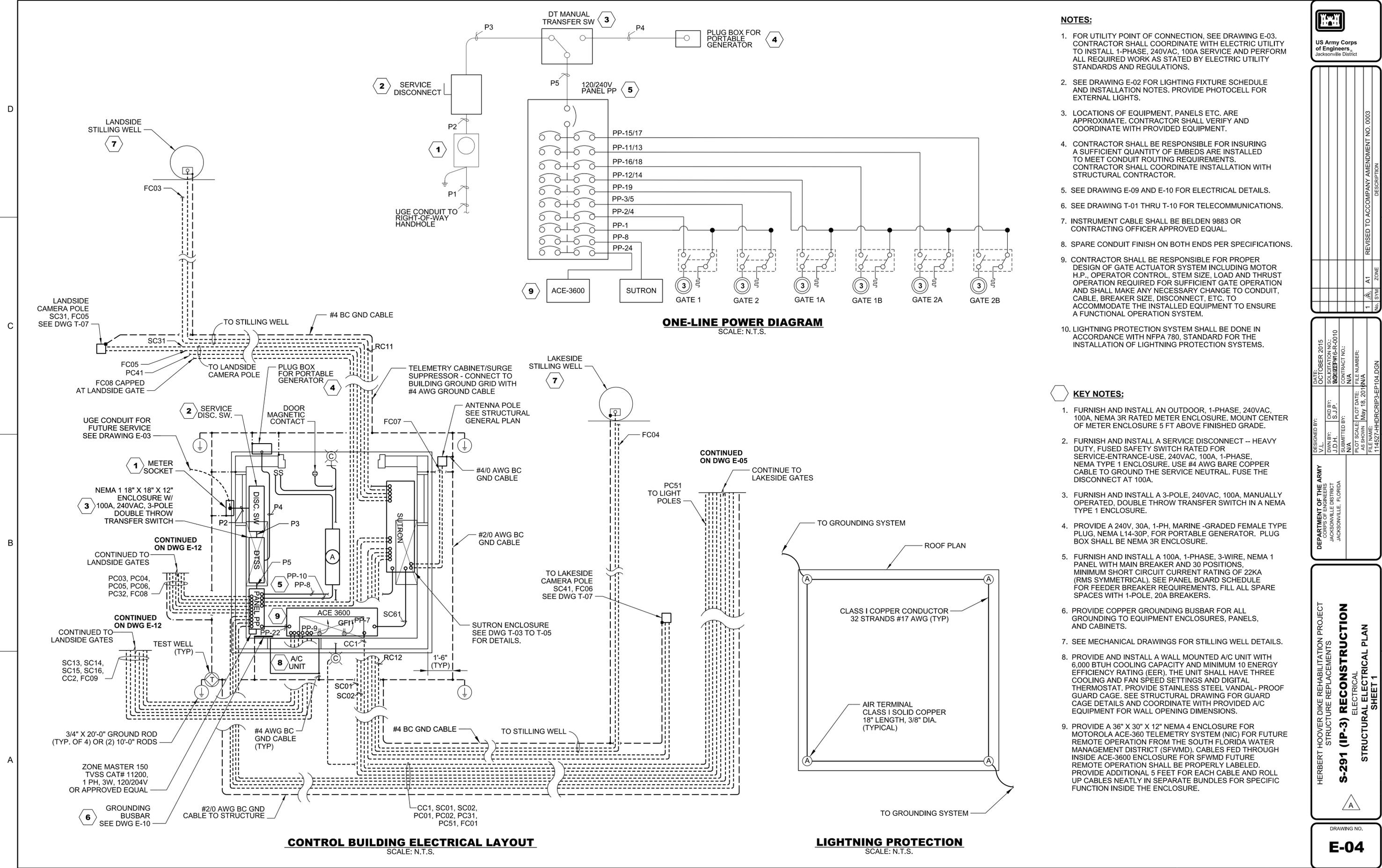












- NOTES:**
- FOR UTILITY POINT OF CONNECTION, SEE DRAWING E-03. CONTRACTOR SHALL COORDINATE WITH ELECTRIC UTILITY TO INSTALL 1-PHASE, 240VAC, 100A SERVICE AND PERFORM ALL REQUIRED WORK AS STATED BY ELECTRIC UTILITY STANDARDS AND REGULATIONS.
  - SEE DRAWING E-02 FOR LIGHTING FIXTURE SCHEDULE AND INSTALLATION 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.



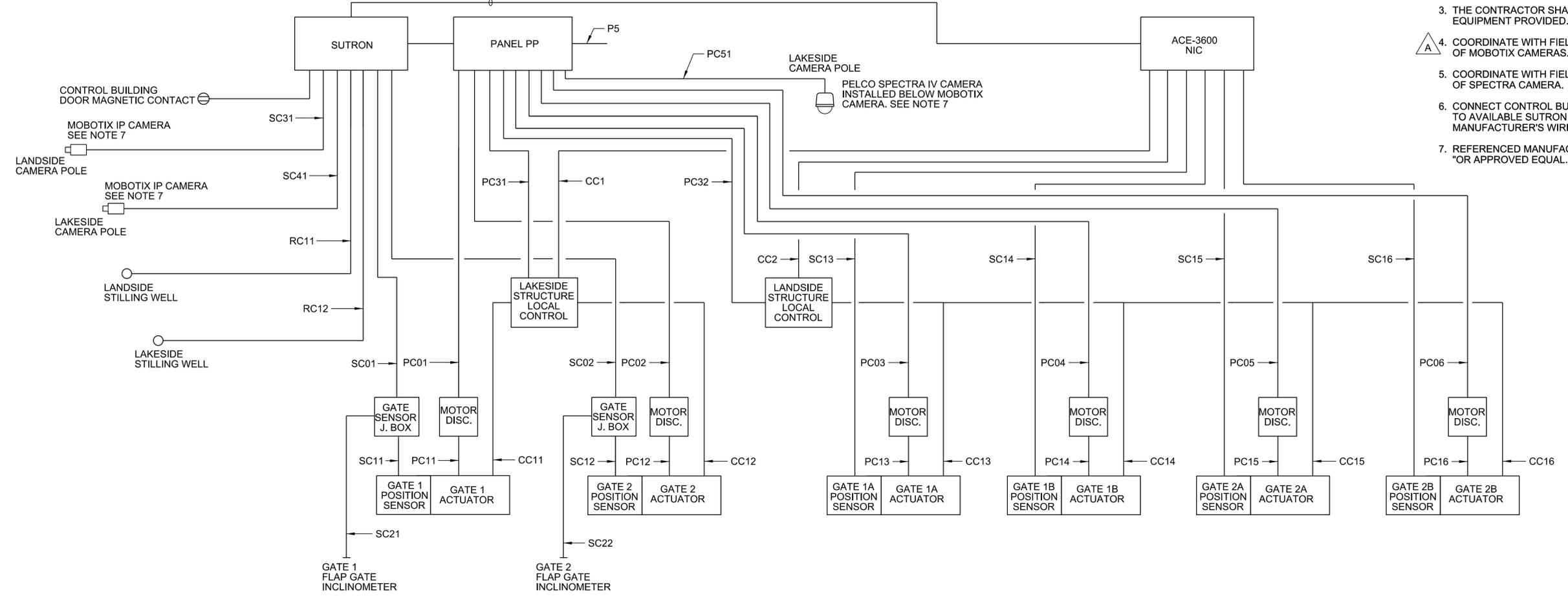
NO.	DATE	DESCRIPTION
1	AT	REVISED TO ACCOMPANY AMENDMENT NO. 0003

DESIGNED BY: J.D.H.	DATE: DECEMBER 2015
DRAWN BY: J.D.H.	SCALE: AS SHOWN
CHECKED BY: J.D.H.	PROJECT: S-291 (IP-3) RECONSTRUCTION
APPROVED BY: J.D.H.	PLANT: HOOPER DIKE REHABILITATION
DATE: DECEMBER 2015	FILE NUMBER: 114527-HDR/CRIP5-EPI04.DGN

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

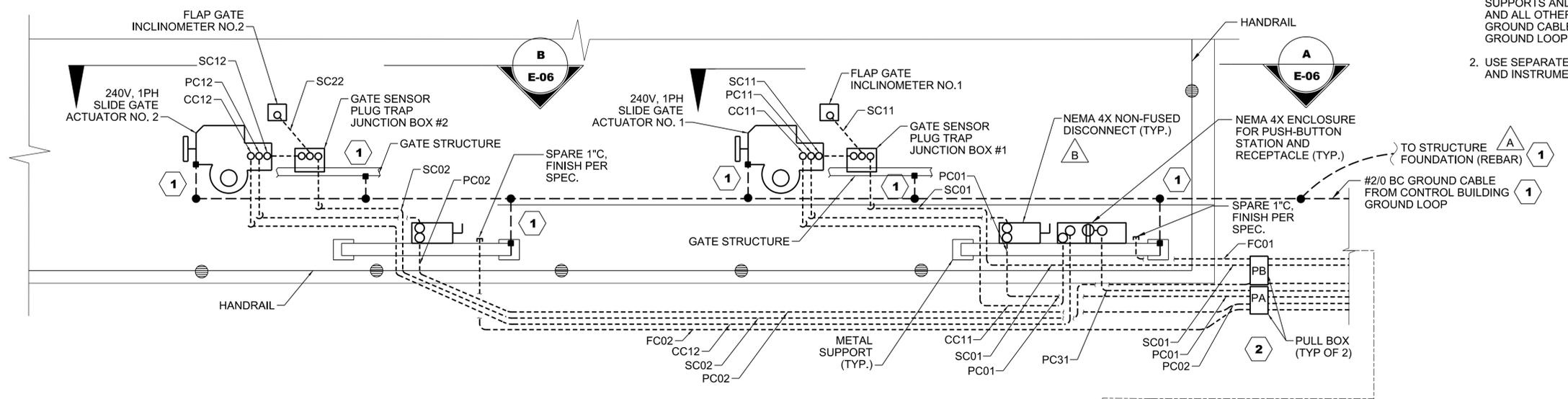
2" CONDUIT, SC61 :  
GATE 1 & 2 POS. SENSORS  
GATE 1 & 2 INCLINOMETERS  
HEAD AND TAIL STILL. WELLS

- NOTES:**
- FOR ELECTRICAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWINGS E-01 AND E-02.
  - SEE DRAWING E-04 FOR NOTES AND CONTINUATION.
  - THE CONTRACTOR SHALL COORDINATE DESIGN WITH EQUIPMENT PROVIDED.
  - COORDINATE WITH FIELD OFFICE FOR PROPER LOCATIONS OF MOBOTIX CAMERAS. SEE DRAWING T-07.
  - COORDINATE WITH FIELD OFFICE FOR PROPER LOCATION OF SPECTRA CAMERA. SEE DRAWING T-07.
  - CONNECT CONTROL BUILDING DOOR MAGNETIC CONTACT TO AVAILABLE SUTRON XPRT ANALOG I/O MODULE PER MANUFACTURER'S WIRING DIAGRAM.
  - REFERENCED MANUFACTURERS SHALL BE CONSIDERED "OR APPROVED EQUAL."



**CONDUIT BLOCK DIAGRAM**  
SCALE: N.T.S.

- KEY NOTES:**
- BOND TO STRUCTURAL FOUNDATION (REBARS), METAL SUPPORTS AND FRAMES, GATE EQUIPMENT, HANDRAILS, AND ALL OTHER EXPOSED METALS TO #2/0 AWG BC GROUND CABLE THAT CONNECTS TO CONTROL BUILDING GROUND LOOP. SEE GROUNDING DETAILS ON DWG E-10.
  - USE SEPARATE PULL BOXES FOR POWER WIRING CONDUITS AND INSTRUMENTATION WIRING CONDUITS.



**LAKESIDE CULVERT GATE ELECTRICAL PLAN**  
SCALE: N.T.S.

**CONTINUED  
ON DWG E-04**

NO.	BY	DATE	DESCRIPTION
1	B	A-4	REVISED TO ACCOMPANY AMMENDMENT NO. 0003.
2	A	A-2, D-2	REVISED TO ACCOMPANY AMMENDMENT NO. 0002.

DESIGNED BY:	DATE:	DESIGNED BY:	DATE:
ALL BY:	01 DECEMBER 2015	ALL BY:	01 DECEMBER 2015
J.D.H.		J.D.H.	
PROJECT NO.:	W912EP16R-0010	PROJECT NO.:	W912EP16R-0010
CONTRACT NO.:		CONTRACT NO.:	
FILE NAME:	114527-HDRCRIP3-EF605.DGN	FILE NAME:	114527-HDRCRIP3-EF605.DGN

HERBERT HOOVER DIKE REHABILITATION PROJECT  
STRUCTURE REPLACEMENTS  
**S-291 (IP-3) RECONSTRUCTION**  
ELECTRICAL  
STRUCTURAL ELECTRICAL PLAN  
SHEET 2

DRAWING NO.  
**E-05**