



Hot Springs Village POA

Project No. 23030



ADDENDUM NO. 1 TO THE CONTRACT DOCUMENTS

HOT SPRINGS VILLAGE PROPERTY OWNERS ASSOCIATION PUMP STATION IMPROVEMENTS – CORTEZ PUMP STATION

This Addendum No. 1 issued by Crist Engineers, Inc. is hereby made a part of the Contract Documents to the same extent as though it were originally included therein. Please read the following items and acknowledge receipt of this addendum on the proposal form when submitting bids.

1. Conditional Approved Equal

Engineer's acceptance of pre-approved or approved equal submissions will not relieve Contractor from his responsibility for any deviation from the requirements of the Contract Documents unless Contractor has in writing called Engineer's attention to such deviation at the time of submission and Engineer has given written approval to the specific deviation, nor shall any acceptance by Engineer relieve contractor from responsibility for errors or omissions in pre-approved or approved equal submissions.

2. Contract Documents

The bid submittal and opening date has been modified to the following:

- a. Revision of the Advertisement for Bids, page 1.

Sealed Bids for the Pump Station Improvements – Cortez Pump Station will be received by the Hot Springs Village Property Owner's Association, 895 Desoto Blvd, Hot Springs Village, Arkansas 71909 until 10:00 AM. local time on ~~May 2~~ **May 8**, 2024, at which time the Bids received will be publicly opened and read.

- b. Revise Section 014000, Page 7.

F. If required, the Owner will be responsible for cleaning of the wet-well. The Contractor is responsible for removal of wet well materials (grit, organic, rags, grease, etc.), valve vaults, valves, pumps/ motors (to be salvaged and placed in a location determined by the Owner or disposed as directed by the Owner), pump rails, pump retrieval systems, exposed piping, exposed fittings, hatch covers, sump pumps, signs, electrical lines, electrical service boxes, disconnects, control panels, electrical panels, power poles, salvage of all electric meters and return to Owner, vent pipes, removal of other apparatuses and all other incidental items necessary to convert the existing wet well into a sanitary sewer manhole/ junction box. The Contractor is responsible for proper disposal of all demolition materials in accordance with Section 010000. All cost associated with demolition of pump station materials shall be included in Bid Item No. C and E lump sum pay items.

3. Plans

- a. Revise to Delete Call Out, Plan Sheet No. M-2, middle-left side of sheet.

~~CLEAN AND RESEAL DRY PIT~~

- b. Revise to Add Call Out, Plan Sheet No. M-2, middle-left side of sheet.

EXISTING STAIRCASE, WALLS, ROOF, FLOORS AND GANTRY-CRANE TO REMAIN

- c. Delete Plan Sheet No. E2 in its entirety and Replace with Plan Sheet No. E2 Addendum No. 1

End of Addendum No. 1

All other provisions of the Plans and Contract Documents shall remain in full force and effect.

Issued by CRIST ENGINEERS, INC.



Brian N. Wintle, PE, PhD, BCEE



Please call Brian N. Wintle at 501-664-1552 if you have any questions.

Bidder shall acknowledge Addendum No. 1 on Section 004100 Bid Form (C-410).

C:\Users\Ben\OneDrive - Rainwater Electrical Engineering\Projects\Crist Engineers (CR)\CR-003 Cortez Lift Station\dwg240122 ELECDWGS-CORTEZ LS.dwg 4/26/2024 11:31 AM

GENERAL NOTES:

1. CONDUIT AND TRENCH FOR PRIMARY TO BE FURNISHED AND INSTALLED BY CONTRACTOR. FURNISH AND INSTALL PULL STRING IN CONDUITS PER UTILITY REQUIREMENT. LONG SWEEP ELBOWS REQUIRED.
2. ENTERGY SHALL FURNISH AND INSTALL PRIMARY WIRE IN CONDUIT PROVIDED BY OTHERS FROM EXISTING DIP POLE LOCATION TO NEW PAD MOUNT TRANSFORMER.
3. CONTRACTOR SHALL FURNISH AND INSTALL TRANSFORMER PAD PER ENTERGY SPECIFICATIONS.
4. ENTERGY SHALL SET TRANSFORMER, AND FURNISH AND INSTALL CTs AND METER ON TRANSFORMER.
5. CONTRACTOR SHALL FURNISH AND INSTALL SECONDARY CONDUIT AND WIRE IN TRENCH FROM TRANSFORMER PAD TO MAIN SERVICE DISCONNECT.
6. ENTERGY SHALL MAKE FINAL CONNECTION IN TRANSFORMER.

GROUNDING LEGEND

- #4/0 AWG BARE COPPER CONDUCTOR
- ⌋ 3/4" X 10' GROUNDING ROD
- EXOTHERMIC WELD OR IRREVERSIBLE GROUND BOND CONNECTION

GROUNDING NOTES:

1. MINIMAL BURY DEPTH OF THE GROUND RING IS 30"
2. ALL WIRE, CONNECTORS, RODS, ETC. SHALL BE LISTED FOR DIRECT BURIAL AND LISTED FOR USE IN GROUNDING SYSTEMS.
3. ALL EQUIPMENT DIMENSIONS ARE PRELIMINARY. CONTRACTOR SHALL CONFIRM FINAL DIMENSIONS PRIOR TO CONSTRUCTION.
4. REFER TO UTILITY TYPICAL TRANSFORMER PAD DETAIL FOR TRANSFORMER GROUNDING.

HAZARDOUS LOCATION NOTES:

1. THIS PROJECT INCLUDES THE INSTALLATION OF ELECTRICAL SYSTEMS IN LOCATIONS DEFINED BY THE NATIONAL FIRE PROTECTION AGENCY (NFPA) AS HAZARDOUS (CLASSIFIED) LOCATIONS. WASTEWATER COLLECTION SYSTEMS AND WASTEWATER TREATMENT PROCESSES ARE FIRE AND EXPLOSION HAZARDS DUE TO THE POSSIBLE IGNITION OF FLAMMABLE GASSES AND FLOATING FLAMMABLE LIQUIDS.
2. WIRING MATERIALS AND METHODS IN HAZARDOUS (CLASSIFIED) LOCATIONS SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), ARTICLE 500, HAZARDOUS (CLASSIFIED) LOCATIONS. INSTALLATION SHALL BE DONE BY PERSONS TRAINED AND EXPERIENCED IN HAZARDOUS (CLASSIFIED) LOCATION WORK.
3. CONDUIT SEAL FITTINGS SHALL BE FURNISHED AND INSTALLED AT BOUNDARIES OF HAZARDOUS (CLASSIFIED) LOCATIONS. BOUNDARIES OF HAZARDOUS (CLASSIFIED) LOCATIONS ARE BETWEEN CLASS I AND UNCLASSIFIED LOCATIONS, CLASS I AND CLASS II LOCATIONS, CLASS II AND UNCLASSIFIED LOCATIONS. CONDUIT SEAL FITTINGS SHALL BE LOCATED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE.
4. FLEXIBLE CONDUIT IN HAZARDOUS (CLASSIFIED) LOCATIONS SHALL BE RATED FOR THE HAZARD CLASSIFICATION IN WHICH IT IS INSTALLED.

ENTERGY CONTACT:

FRED POSTLETHWAIT
501-620-5611
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EXISTING UTILITY POLE. COORDINATE WITH ELECTRICAL UTILITY TO REMOVE EXISTING POLE MOUNT TRANSFORMERS. UTILITY TO FEED NEW PRIMARY TO NEW UTILITY TRANSFORMER. CONTRACTOR SHALL COORDINATE WITH UTILITY ON MEANS AND METHODS AND PAY ALL COSTS.

CLASS 1, DIV 1 AREA. REFER TO HAZARDOUS LOCATION NOTES.

DEMOLISH AND DISPOSE OF EXISTING FUEL TANK

NEW REMOTE BUILDING DISCONNECT 2 OF 2.

NEW FUSED BUILDING DISCONNECT 1 OF 2. REPLACE EXISTING.

BOND ALL EXISTING LIFT STATION GROUNDING ELECTRODES TO NEW BUILDING GROUND RING PER NEC ARTICLE 250.

SEE ONE-LINE FOR ALL POWER CONDUIT AND WIRE FROM NEW ELECTRICAL BUILDING TO EXISTING LIFT STATION.

NEW UNDERGROUND SECONDARY TO CONTRACTOR FURNISHED AND INSTALLED JUNCTION BOX, CT CABINET, AND METER BASE AT ELECTRICAL BUILDING. REFER TO ELECTRIC UTILITY STANDARDS AND COORDINATE WITH ELECTRIC UTILITY PRIOR TO INSTALLATION TO MEET ALL UTILITY REQUIREMENTS. PAY ALL ASSOCIATED COSTS. CONTRACTOR SHALL FURNISH AND INSTALL TWO (2) 4" CONDUITS PER UTILITY REQUIREMENTS FROM DIP POLE TO JUNCTION BOX. STUB UP AT TRANSFORMER POLE.

OVERHEAD PRIMARY PER UTILITY DETAIL. MAINTAIN 15' CLEARANCE FROM POLE ON EITHER SIDE OF LINE.

ELECTRICAL SITE PLAN

SCALE = 1/4" = 1'

ELECTRICAL PACKAGE SCOPE NOTES:

1. PACKAGE A - PROCURE ELECTRICAL BUILDING FROM BUILDING MANUFACTURER, RECEIVE AT SITE, AND PLACE ON BUILDING PAD.
2. PACKAGE B - PROCURE GENERATOR AND ATS FROM GENERATOR MANUFACTURER & RECEIVE AT SITE. PLACE GENERATOR ON GENERATOR PAD. PLACE ATS IN STORAGE. ATS TO BE INSTALLED BY OTHERS.
3. PACKAGE C - DEMOLISH, FURNISH, AND INSTALL ALL PROJECT ELECTRICAL LABOR AND MATERIALS NOT INCLUDED IN OTHER PACKAGES.
4. PACKAGE D - COORDINATE WITH ELECTRIC UTILITY AND PAY ALL COSTS ASSOCIATED TEMPORARY ELECTRICAL SERVICE TO SERVE BYPASS PUMP STATION DURING CONSTRUCTION. TEMPORARY ELECTRICAL SERVICE TO BYPASS PUMP STATION NOT SHOWN ON ELECTRICAL DRAWINGS. REFER TO CIVIL DRAWINGS FOR BYPASS PUMP LOCATION.

[(24#14/THWN/1C)1"C] - SWITCHES
[(6-ISP16)2"C] - MOTOR SENSORS
[(6#14/THWN/1C)1"C] - E-STOPS
[(6-ISP16)2"C] - TRANSMITTERS
[(8#14/THWN/1C)1"C] - DISCONNECT INHIBITS
[(24#14/THWN/1C)1"C]
[(6-ISP16)2"C] - GAS DETECTORS
[(2-CAT6)2"C] - SPARE
2 SETS[(SPARE)2"C] -SPARE

FURNISH AND INSTALL GROUND RING AT NEW GENERATOR AND BOND TO ALL GROUNDING ELECTRODES PER NEC ARTICLE 250.

NEW GENERATOR ON CONCRETE PAD (SEE STRUCTURAL DRAWINGS)

NEW ELECTRICAL BUILDING

UTILITY METER, JUNCTION BOX, CT CABINET PER UTILITY DETAIL

UTILITY MAIN BREAKER WITH SHUNT TRIP, NEMA 3R

NEW POLE-MOUNT OVERHEAD 500KVA TRANSFORMER BANK PER UTILITY REQUIREMENTS.

FURNISH AND INSTALL GROUND RING AT NEW ELECTRICAL BUILDING AND BOND TO ALL BUILDING GROUNDING ELECTRODES PER NEC ARTICLE 250.



REV. NO.	DATE	DRWN	CHKD	REMARKS
1	4/26/24	BR	BR	ADDENDUM #1



THIS LINE MEASURES 1" WHEN PLOTTED FULL SIZE

DESIGNED:	BR
DRAFTED:	BR
CHECKED:	BR
DATE:	APR. 2024



CRIST ENGINEERS, INC.
CONSULTING ENGINEERS

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HOT SPRINGS VILLAGE, ARKANSAS
PUMP STATION IMPROVEMENTS
CORTEZ PUMP STATION
100%
HOT SPRINGS VILLAGE PROPERTY OWNERS ASSOCIATION
ELECTRICAL SITE PLAN

JOB NO.
23030
SHEET NO.
E2