Imperial County
Workforce & Economic Development

County of Imperial
Palo Verde County Water District Water Well Replacement Project, Phase II
Project, No. ICCED-015
CDBG Grant #18-CDBG-12925

ADDENDUM NO. 2 **July 12, 2023**

This ADDENDUM is hereby made part of the Contract Documents and specifications to the same extent as if originally included therein, and shall be signed by the Bidder and included with the proposal.

1. **Clarification regarding Contract Document Section 00521, 4.02 – Days to Achieve Final Completion:**

   The contract time for the project is 160 calendar days. It is expected that the Contractor time to attain a Well Permit will take approximately 60 calendar days. This will allow 100 calendar days for construction of the well and remaining construction items. If the Well Permit process is more than 60 calendar days, the Owner may then provide additional contract days to allow for the 100 calendar day construction timeline.

2. **Regarding Special Condition Section 04 – Sequence of Construction, Special Condition Section 05 – Environmental Requirements, and Special Condition Section 06 – Geotechnical Testing Requirements:**

   The Special Conditions are missing pages 00840-5 and 00840-6 which include a portion Section 00840-4, the entire section of 00840-5, and the entire section 00840-6. Please find pages 00840-5 and 00840-6 attached as "**Addendum No. 02 – Attachment A**".

3. **Clarification regarding Technical Section 01520-1.04 – Construction Office Trailer:**

   There is no construction trailer required for this project.

4. **Change in Technical Specification Section 01660-2.07 – Tools and Accessories.**

   This specification section is to be deleted.

5. **Change in Technical Specification Section 02733-1.05 – Submittals.**

   The following submittals will not be required as part of the project.
   - No E-Log or Gamma Ray log will be required.
   - No drill fluid additives will not be required.
   - Alignment / Plum Log will not be required.
   - Gravel Pack Analysis will not be required for prepacked screen is utilized. The prepacked screen is to be forwarded as a submittal.
   - Sound tubes will not be required.

6. **Change in Technical Specification Section 02733-2.01 B – Gravel Pack.**

A factory packed (prepacked) screen may be utilized in lieu of a Gravel Pack that complies with the specifications. The prepacked screen will need to meet the AWWA C100-20 requirements.

7. **Change in Technical Specification Section 02733-3.01 – General and Section 02733-3.03 Casing Installation.**

   A 20-inch diameter steel surface casing may be used in lieu of the 24-inch diameter steel surface casing.

8. **Regarding Plan Sheet 6:**

   The Detail J and Section B-B are omitted and replaced with attached attachment "**Addendum No. 2 – Attachment B**".

9. **Question: What is the Engineer's Cost Estimate for the construction.**

   Response: The Engineer's Cost Estimate for the construction is $392,500.00

END OF ADDENDUM NO. 2

Prepared by:
Juny Marmolejo, P.E.
Project Engineer
The Holt Group, Inc.
Date: July 11, 2023

County of Imperial
Palo Verde County Water District Water Well Replacement Project, Phase II
Project, No. ICCED-015
CDBG Grant #18-CDBG-12925

ADDENDUM NO. 2
ACCEPTANCE OF NOTICE

Please acknowledge receipt of this Addendum No. 2 consisting of four (4) pages, by signing and returning a copy of this Acceptance of Notice. Each bidder must acknowledge receipt of this addendum in the noted space below and on the signature page of the Bid Form. Include a copy of this signed Acceptance of Notice with your Bid Proposal Package. It is the Contractor's responsibility to notify its sub-contractors about changes based on addendums.

By: _____ Date: July 12, 2023
Priscilla A. Lopez
Director of Workforce & Economic Development

ACCEPTANCE OF NOTICE

Receipt of the ADDENDUM No. 2 is hereby acknowledged by

_____ _____
Print or type Bidders Name Date

By: _____ _____
Print or Type Authorized Name Signature

Addendum No. 2 – Attachment A

4. After the destruction of the north well is completed and approved the installation of the new north well shall commence. The construction of the north well shall include the following:

    4.1 Drill the new well to a depth of 160 feet below the existing grade per the technical conditions of the specifications. The well construction shall occur per the plans, specifications, and applicable state of California, Imperial County Department of Public Health, and AWWA standards. The well construction includes the installation of the electrical system for the well and the placement of the pcc slab centered at the top of the well casing.

    4.2 Performance testing of the well shall be completed after it is constructed.

    4.3 Disinfection of the water well is to be accomplished after the performance testing is satisfactorily accomplished.

    4.4 Water quality testing shall be accomplished after the disinfection of the well is satisfactorily accomplished.

    4.5 Construct piping downstream of the well according to the improvement plans after the performance testing, disinfection and water quality testing of the well have been accomplished. Pressure test and disinfect the piping in conformance with the plans and specifications. Install the flow metering system and associated electrical circuitry.

    4.6 The water well, piping and all other items associated with the well shall be approved by the County of Imperial Public Health Department prior to placing the well in service.

5. Complete the calibration and start-up of the magnetic flowmeter and associated flowmeter system. Complete the start-up of the flowmeter amplifier. Complete the circuitry connections and electrical instrumentation work for the compatible acceptance and integration of the amplifier output signal to the existing RTU unit

6. Calibrate, test, and start-up of the magnetic flowmeter and associated flowmeter system.

7. Install the turbidimeters.

8. Finalize the electrical and control instrumentation work for the monitoring, analyzing, and integration with the water treatment's plant's control system.

9. Construct new shade structure over the new north well.

5. ENVIRONMENTAL REPORT REQUIREMENTS

Environmental Documents have not been prepared for this Project. The Project was exempted by California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA).

The Contractor is responsible for exercising their Best Management Practices (BMPs) during the duration of construction on the Project Site.

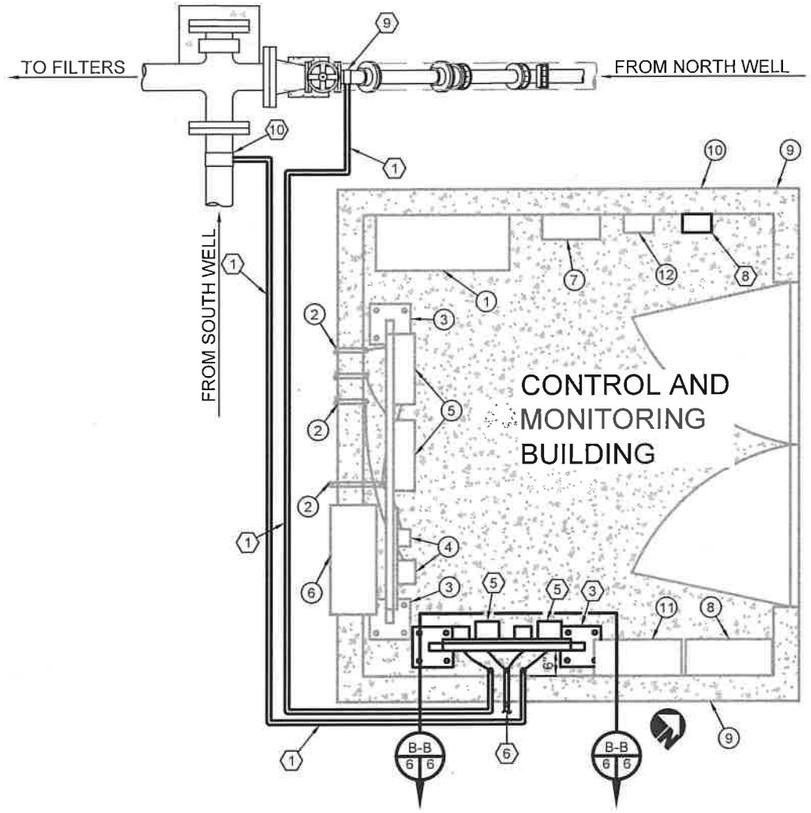
The Contractor shall make a special effort to control dust during the execution of the work. Dust shall be maintained to a minimum by regular applications of water as necessary and as directed by the Owner's representative.

6. GEOTECHNICAL TESTING REQUIREMENTS

The following Geotechnical Testing shall be required for this project for Water Well Site Number 2:

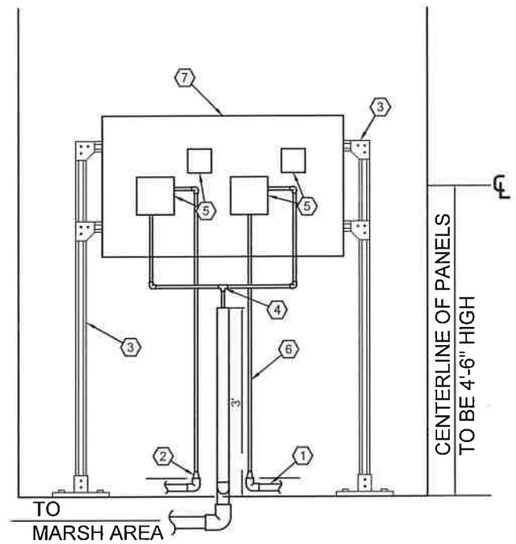
- A total of two (2) compaction tests shall be obtained on the Class 2 base Access Roadway. The location of the tests shall be determined by the Resident Engineer. The contractor shall install the access road in its entirety prior to scheduling the compaction testing.
- Compaction tests for sand backfill and native soil backfill over underground pipe trench.
- Concrete testing shall be conducted for the concrete slab surrounding the Well.
- Concrete testing shall be conducted for the shade structure footing.

Addendum No. 2 – Attachment B



CONTROL & MONITORING BUILDING BLOW-UP DETAIL J 2 6

NTS



PANEL SUPPORT FOR TURBIDIMETERS SECTION B-B 6 6

NTS

EXISTING KEYNOTES

1. EXISTING FILTER CONTROL PANEL B.
2. EXISTING PVC SAMPLING PIPELINE OR PVC DRAINAGE PIPELINE.
3. EXISTING PANEL SUPPORT.
4. EXISTING TURBIDIMETER WITH CONTROLLER.
5. EXISTING FREE CHLORINE RESIDUAL ANALYZER.
6. EXISTING AIR CONDITIONER (AC) UNIT.
7. EXISTING AIR INJECTION PANEL.
8. EXISTING ELECTRICAL CONTROL PANEL "B" TO REMAIN.
9. EXISTING CONTROL & MONITORING BUILDING TO REMAIN.
10. EXISTING MASONRY WALLS.
11. EXISTING REMOTE TERMINAL UNIT FOR ONLINE CELLULAR DATA BASED MONITORING (SCADA) SYSTEM.
12. EXISTING FLOW METER DISPLAY.

REGISTERED PROFESSIONAL ENGINEER
JESUS R. MARMOLEJO
C 80410
EXP. 3-31-25
CIVIL
STATE OF CALIFORNIA

CONSTRUCTION KEYNOTES

1. INSTALL 1" DIA. SCHEDULE 80 PVC PIPE AND FITTINGS.
2. INSTALL 1" DIA. X 3/4" DIA. SCHEDULE 80 PVC REDUCER.
3. INSTALL PANEL SUPPORT FOR TURBIDIMETERS PER DETAIL.
4. SECURE AND DIRECT INSTRUMENT TUBING TO THE 2-INCH DIA. SCHEDULE 40 PVC DRAIN PIPELINE.
5. INSTALL MTOL+ TURBIDIMETER WITH JUNCTION BOX. THE TURBIDITIMETER SHALL BE PROVIDED PER TECHNICAL SPECIFICATIONS. INSTALL TURBIDITY METER ASSEMBLY ON PANEL SUPPORT BACKING PER DETAIL.
6. INSTALL 2-INCH DIA. SCH 40 PVC DRAIN PIPELINE. INSTALL 3" DIA. X 2" DIA. SCHEDULE 40 PVC REDUCER TO CONNECT TO 3-INCH DIA. SCHEDULE 40 PVC DRAIN PIPELINE OUTSIDE OF THE CONTROL AND MONITORING BUILDING.
7. INSTALL GALVANIZED RIGID STEEL BOARD PANEL.
8. INSTALL FLOWMETER DISPLAY.
9. INSTALL 4" DIAMETER WATER SERVICE SADDLE WITH CORP. STOP AND FITTING TO CONNECT TO 1-INCH DIAMETER PVC PIPELINE
10. INSTALL 8" DIAMETER WATER SERVICE SADDLE WITH CORP. STOP AND FITTING TO CONNECT TO 1-INCH DIAMETER PVC PIPELINE

DATE 07/11/2023
DRAWN JAM
SCALE NTS
CHECKED JRM

PROJECT TITLE
PALO VERDE COUNTY WATER DISTRICT - WATER WELLS REPLACEMENT PROJECT PHASE II

TURBIDIMETED ADDENDUM #2 SKETCH

THG PROJECT NO. 821.028

SHEET 1 OF 1