



**DOCUMENT 00 90 02**  
**ADDENDUM #2**

**Project:** 2019-0406  
**Date:** Monday, August 8, 2022  
**Bid Date:** Friday, August 12, 2022  
**Bid Time:** 2:00 p.m.

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This addendum shall be considered part of the Contract Document for the above referenced project as though it had been issued at the same time and shall be incorporated integrally therewith. Where provisions of the following supplementary data differ from those of the original Contract Documents, this Addendum shall govern and take precedence. Receipt of this addendum shall be acknowledged in Document 00 41 00 – Bid Form.

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## Project Manual

Section 00 41 00 – Bid Form

Added demolition item #8.

Section 01 02 50 – Measurement & Payment

Added demolition item #8.

## Project Drawings

Sheet P101

Changed callout of building safety equipment.

## Attachments:

1. Section 00 41 00 Bid Form
2. Section 01 02 50 Measurement & Payment
3. Sheet P101.

**END OF ADDENDUM**



**DOCUMENT 00 41 00  
BID FORM**

**Town of Cornish  
Pitcher Well House**

Bids due and publicly read:

**August 12th, 2022 at 2:00 p.m.  
A virtual meeting link will be sent out to bidders.**

CRS Engineers  
4246 S. Riverboat Rd, Ste 200, Salt Lake City, UT 84123

emailed to:  
CRS Engineers  
Mark Chandler - mark.chandler@crsengineers.com



**ARTICLE 1—OWNER AND BIDDER**

- 1.01 This Bid is submitted to: CRS Engineers.
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

**ARTICLE 2—ATTACHMENTS TO THIS BID**

- 2.01 The following documents are submitted with and made a condition of this Bid:
  - A. Required Bid security;
  - B. List of Proposed Subcontractors;
  - C. List of Proposed Suppliers;
  - D. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids;
  - E. Contractor's license number as evidence of Bidder's State Contractor's License or a covenant by Bidder to obtain said license within the time for acceptance of Bids;
  - F. Required Bidder Qualification Statement with supporting data

**ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES**

- 3.01 Unit Price Bids
  - A. Bidder will perform the following Work at the indicated unit prices:

Base Bid

Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Amount
1	Mobilization	LS	1	\$	\$
2	Furnish and Install Well House Structural/Mechanical Building	LS	1	\$	\$
3	Furnish and Install Well House Pump, Piping, and Appurtenances.	LS	1	\$	\$
4	Furnish and Install Wellhouse Electrical & Generator	LS	1	\$	\$
5	Furnish and Install Storm Drain Line and Components	LS	1	\$	\$
6	Complete Site Grading	LS	1	\$	\$
7	Power Relocation	LS	1	\$	\$
8	Demolition	LS	1	\$	\$
Total of All Unit Price Base Bid Items					\$
Total Unit Price Base Bid (in words): _____					



- B. Bidder acknowledges that:
  - 1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item,
  - 2. the Contractor or Owner shall be entitled to an adjustment in Unit Price as indicated in Section 00 80 00 - Supplementary Conditions, SC-13.03E, and
  - 3. estimated quantities are not guaranteed and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

**ARTICLE 4—TIME OF COMPLETION**

- 4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA**

- 5.01 Bid Acceptance Period
  - A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.
- 5.02 Instructions to Bidders
  - A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.
- 5.03 Receipt of Addenda
  - A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

**ARTICLE 6—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS**

- 6.01 Bidder's Representations
  - A. In submitting this Bid, Bidder represents the following:
    - 1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
    - 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
    - 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
    - 4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the

Supplementary Conditions, with respect to the Technical Data in such reports and drawings.

5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 Bidder's Certifications

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
  - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
  - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
  - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.



- d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.



BIDDER hereby submits this Bid as set forth above:

Bidder:

\_\_\_\_\_  
*(typed or printed name of organization)*

By:

\_\_\_\_\_  
*(individual's signature)*

Name:

\_\_\_\_\_  
*(typed or printed)*

Title:

\_\_\_\_\_  
*(typed or printed)*

Date:

\_\_\_\_\_  
*(typed or printed)*

*If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.*

Attest:

\_\_\_\_\_  
*(individual's signature)*

Name:

\_\_\_\_\_  
*(typed or printed)*

Title:

\_\_\_\_\_  
*(typed or printed)*

Date:

\_\_\_\_\_  
*(typed or printed)*

Address for giving notices: \_\_\_\_\_

Bidder's Contact:

Name:

\_\_\_\_\_  
*(typed or printed)*

Title:

\_\_\_\_\_  
*(typed or printed)*

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Address: \_\_\_\_\_

Bidder's Contractor License No.: (if applicable) \_\_\_\_\_

**END OF DOCUMENT**

EJCDC® C-410, Bid Form for Construction Contracts.  
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## SECTION 01 02 50 MEASUREMENT AND PAYMENT

### PART 1 - GENERAL

#### 1.1 SECTION INCLUDES

- A. Measurement and payment criteria applicable to portions of the Work performed under a unit price payment method.

#### 1.2 RELATED SPECIFICATIONS

- A. Section 00 41 00 – Bid Form
- B. Section 00 52 00 – Agreement, Article 6 – Payment Procedures
- C. Section 00 70 00 – General Conditions
  - 1. Article 7, Paragraph 7.10 - Taxes
  - 2. Article 13, Paragraph 13.03 – Unit Price Work
  - 3. Article 15, Paragraph 15.01 – Progress Payments

#### 1.3 MEASUREMENT OF QUANTITIES

- A. Measurement Devices:
  - 1. Weigh Scales: Inspected, tested and certified by the applicable state Weights and Measures department within the past year.
  - 2. Platform Scales: Of sufficient size and capacity to accommodate the conveying vehicle.
  - 3. Metering Devices: Inspected, tested and certified by the applicable State department within the past year.

#### 1.4 PAYMENT

- A. Payment for each Bid item includes full compensation for all required labor, materials, products, tools, equipment, manufacturing, transportation, services and incidentals; application or installation; permits, taxes, royalties, import costs, overhead and profit.

#### 1.5 DESCRIPTION OF BID ITEMS

- A. The work generally consists of the following, which are numbered according to the Bid schedule found in Article 5 of Section 00 41 00 – Bid Form:
  - 1. **Mobilization** – Measurement is by lump sum. Payment includes mobilization, demobilization, installation of temporary facilities, construction fencing, all bonds, insurances, permits and fees, traffic control, public outreach, coordination, clearing and grubbing, SWPPP and implementation of erosion control, quality control and testing of materials, preparation of project schedule, project identification sign, construction survey and layout, final cleanup and project closeout, and all other items not specifically called for in any other Bid item or called for in the plans and specifications or is customary, incidental or appurtenant to performance of a complete project. Payments shall be made on according to the schedule established in Paragraph 1.6 herein.
  - 2. **Furnish and Install Well House Structural/Mechanical Bldg** – This item includes all

materials, transportation, equipment, labor and other items required for the completion of the work including excavation, placing and compacting engineered fill, construction of footings and foundations, erection of the pump house building, HVAC and appurtenant plumbing, louvers, instrumentation, and other appurtenances as required.

This item is measured on a lump sum basis, which shall constitute the total cost to Owner. Progress payments for this item will be based on the Contractor's schedule of values.

3. **Furnish and Install Well House Piping and Appurtenances** – This item includes all materials, transportation, equipment, labor and other items required for completion of the work including furnishing and installing all required pressure class 150 psi rated ductile iron mainline piping, valves, control valves, pipe supports, reducers, flow meters, gages, pump, motor, discharge head, and all other appurtenances required to complete the well house piping system. **This item also includes installation of the pump and motor by approved pump installer.**

The item is measured on a lump sum basis, which shall constitute the total cost to the Owner. Progress payments for this item will be based on the Contractor's schedule of values.

4. **Furnish and Install Well House Electrical & Generator** – This item includes all materials, transportation, equipment, labor and other items required for the completion of the work including furnishing and installing all electrical, generator, SCADA, RVSS, controls, readouts and any other appurtenance required to complete well house electrical components as shown in the plans. **This item includes supply and installation of SCADA and supply and installation of RVSS.**

This item is measured on a lump sum basis, which shall constitute the total cost to Owner. Progress payments for this item will be based on the Contractor's schedule of values.

5. **Furnish and Install Storm Drain Line and Components** – Measurement is by lump sum. This item includes all labor, materials, transportation, and other items associated with the installation of the storm drain including but not limited to excavation and backfill, hauling, stockpiling, furnish and Install new RCP with proper bedding and backfill, storm drain system, discharge blow off box, and manholes. Payment includes all labor, materials, equipment, and transportation necessary to furnish and install the storm drain system including excavation, backfill and compaction, furnishing, installing, and compacting structural fill, hauling and disposing of waste materials, furnishing and installing all manhole sections, rings, concrete pedestals, and covers, and connecting and grouting all piping in accordance with the plans and specifications.

Payments shall be based on a lump sum basis for the installation of the storm drain line and components, which shall constitute the total cost to Owner. Progress payments for this item will be based on the Contractor's schedule of values.

6. **Complete Site Grading** – This item includes all materials, transportation, equipment, tools, labor and other items required to grade the site to match the designed finish grades including hauling cut material and furnishing and placing a 6-inch-thick layer of base course imported to the site. This item is measured on a lump sum basis, which shall constitute the total cost to the Owner.
7. **Power Relocation** - This item includes all materials, transportation, equipment, tools, labor and other items required to relocate the site power as shown in the contract drawings.
8. **Demolition** - This item includes all materials, transportation, equipment, tools, labor and other items required for the demolition of the existing well house, existing pipe, and disposal of demolished materials.



1.6 PAYMENT SCHEDULE FOR SELECTED LUMP SUM BID ITEMS

A. MOBILIZATION

1. This Bid item will be paid as follows:

<u>Percent of Original Contract Amount Earned</u>	<u>Percent of Mobilization to be Paid</u>
5%	40%
15%	20%
40%	30%
50%	10%

**END OF SECTION**

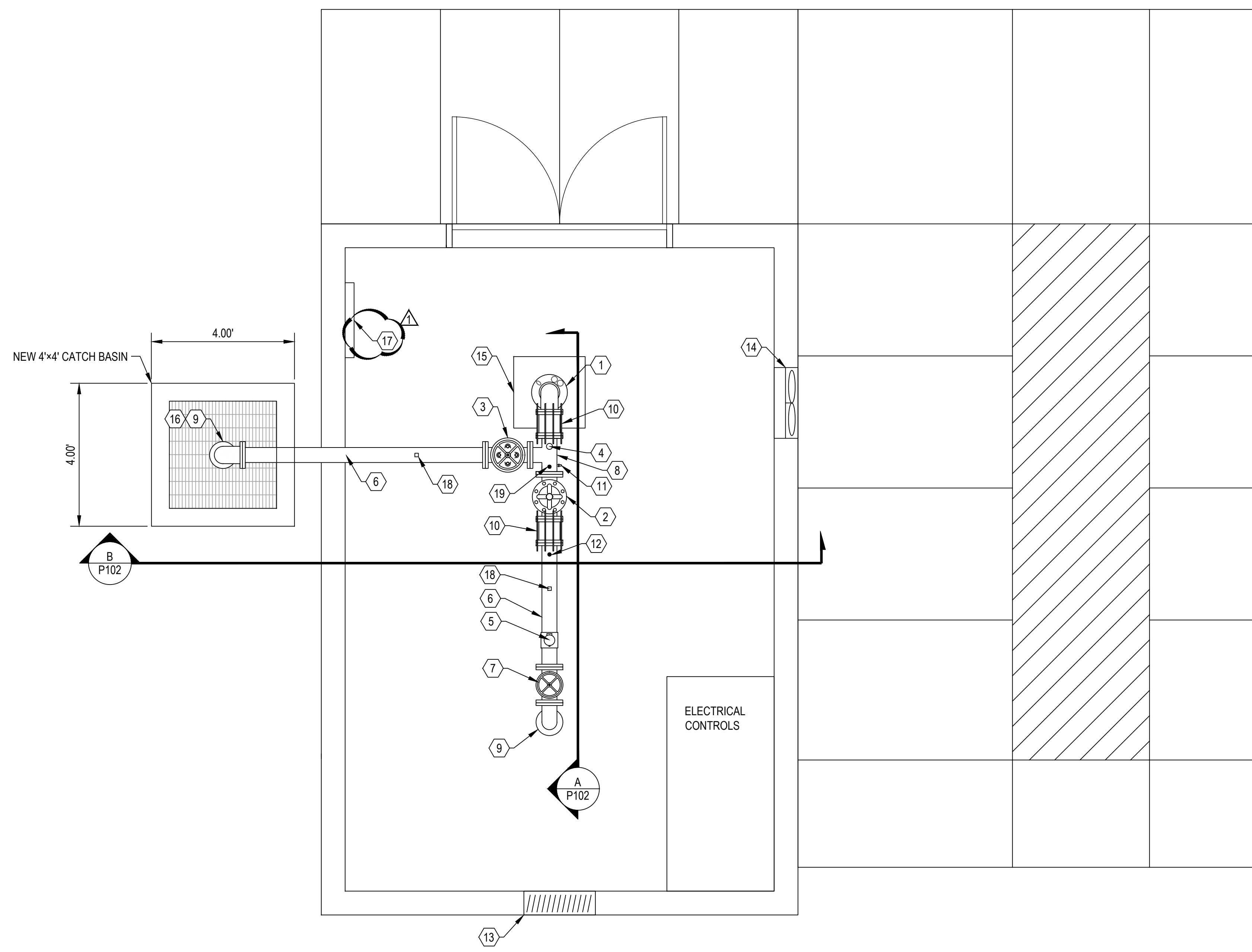


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**PARTS LIST**

- ① 8X4 DISCHARGE HEAD
- ② 4" CHECK VALVE CLA-VAL 81-02
- ③ 4" PUMP CONTROL VALVE CLA-VAL 61-02 W/ DUAL X105 LIMIT SWITCHES
- ④ 1/2" WELL SERVICE AIR VAC VALVE (VALMATIC #100ST). DISCHARGE PIPING TO FLOOR DRAIN.
- ⑤ 4" ROSEMOUNT 8700 SERIES MAG METER OR APPROVED EQUIVALENT
- ⑥ 4" DUCTILE SPOOL
- ⑦ 4" GATE VALVE
- ⑧ 4"x4" TEE
- ⑨ 4" 90° BEND
- ⑩ 4" DISMANTLING JOINT
- ⑪ 1/2" SMOOTH NOSE SAMPLE TAP W/ ISOLATION VALVE PER DETAIL 3/CP502
- ⑫ PRESSURE GAUGE & TRANSMITTER W/ ISOLATION VALVE PER DETAIL 3/CP502
- ⑬ 2'X2' MOTOR ACTUATED HORIZONTAL LOUVER PER DETAIL 2/S504
- ⑭ FANTECH 2SHE1021 OR APPROVED EQUIVALENT EXHAUST FAN
- ⑮ 2'X2' WELL PEDESTAL PROTECTED IN PLACE
- ⑯ #4 STAINLESS STEEL SCREEN BOLTED TO DISCHARGE OUTLET
- ⑰ BUILDING SAFETY EQUIPMENT PER DETAIL 7/CP502
- ⑱ PIPE SUPPORT PER DETAIL 4/CP502
- ⑲ COMPOUND PRESSURE GAUGE WITH ISOLATION VALVE



**SHEET NOTES**

1.	ALL VALVES TO BE ANSI/ASME B16.42 PRESSURE CLASS 150 RATED
2.	ALL SPOOLS AND FITTINGS TO BE DUCTILE IRON AND CONFORM TO AWWA C110 STANDARDS FOR 250 PSI FITTINGS
3.	ALL GASKETS TO CONFORM TO AWWA C111 STANDARDS
4.	DUCTILE IRON PIPE TO HAVE STANDARD CEMENT LINING
5.	DIMENSIONS WILL VARY SLIGHTLY GIVEN CHOSEN MANUFACTURER FOR SPECIFIC PARTS. CONTRACTOR TO VERIFY PIPE DIMENSIONS BEFORE ORDERING ANY PIPE FITTINGS, SPOOLS OR VALVES
6.	STRUCTURAL ITEMS OMITTED FROM PIPING SECTIONS (FOOTINGS, CONCRETE REINFORCEMENT, ETC.)
7.	ALL PIPE FLASHING THROUGH WALLS PER DETAIL 1/CP502
8.	ALL PIPE BENEATH BUILDING SLAB TO BE CONCRETE ENCASED PER DETAIL 6/CP502
9.	USE FULL PORT VALVES AND FITTINGS

100%

File Path: P:\2019-0406 Cornish-Well House Design\Drawings\SHEETS\BUILDING PIPING PLAN.dwg Aug 08, 2022 - 8:28am

NO.	DATE	BY	DESCRIPTION
1	8/8/2022	JCD	ADDENDUM 2

IF THE ABOVE SCALE BAR DOES NOT MEASURE 1-INCH IN LENGTH, DO NOT USE THIS DRAWING FOR SCALING PURPOSES. DIMENSIONS AND MEASUREMENTS SPECIFIED IN THE DRAWING TAKE PRECEDENCE TO SCALED MEASUREMENTS.

THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF CRS ENGINEERS AND IS NOT TO BE REPRODUCED, MODIFIED OR USED FOR ANY OTHER PROJECT OR EXTENSION OF THIS PROJECT EXCEPT BY AGREEMENT WITH CRS ENGINEERS.

PRINCIPAL  
**M. HIRST, PE**

PROJECT MANAGER  
**M. CHANDLER, PE, PG**

CHECKED BY  
**M. CHANDLER, PE, PG**

DRAWN BY  
**C. HATCH**

DRAWING SCALE  
**AS SHOWN**

ISSUE DATE  
**JULY 8, 2022**

**CRS ENGINEERS**  
Answers to Infrastructure®

4246 S Riverboat Rd, Ste 200 | Salt Lake City, UT 84123 | P: 801.359.5565 | www.crsengineers.com

TOWN OF CORNISH  
**PITCHER WELL HOUSE**  
BUILDING PIPING PLAN

12200 NORTH 5600 WEST

CORNISH, UT 84308



PROJECT NUMBER	2019-0406	
SHEET	7	OF 43
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