BID ADDENDUM NO. #2

June 8, 2022
Town of Campbell
Water District #1, Extension #1
HUNT 1313-021

The following Addendum items shall be considered a part of the contract documents prepared by HUNT ENGINEERS, ARCHITECTS, LAND SURVEYORS & LANDSCAPE ARCHITECT, DPC. Bid Document date of April 2022.

Clarifications issued by this Addendum:

1. It should be noted that this addendum is extending the bid date to **June 23, 2022, at 1:00pm.**
2. The temperature sensor for contract #2 shall be supplied by the General Trades Contractor. Contract #2 is a single prime contract; therefore, all work is the responsibility of the General Trades Contractor.
3. Disconnects and switches are required for EUH-1 and UH-1.
4. ATS overcurrent protection is to be sized per MDP overcurrent protecting means (150A). ATS does need to be service entrance rated. Meter and disconnect location and requirements are to be coordinated with the utility company. It's preferred that the meter and disconnect be located on the eastern face of the building near the generator. However, the utility company has the final say in location to be mounted.
5. No remote annunciator is required.
6. The Generator Circuit Breaker is to be sized per the overcurrent protecting means of the MDP (150A).
7. The note for the utility pole with transformer bank and S/S elongated elbow, the contractor is only responsible for providing and installing the S/S elongated elbow. NYSEG will install the pole and transformer bank.
8. A 65 kaic is acceptable for a 150A panel.
9. Provide 20A/1P breaker in panelboard and circuit to duplex receptacle installed in security panel location. Coordinate final installation with F.A.S.T. Refer to Spec Section 28 31 11 Building Intrusion Detection. System Basis of Design: Maxsys (a DSC product), issued by AD2. Provide PC4020 Security Control Panel, LCD4501 Keypad with 18/4 cable from control panel to keypad, AMB-500 PIR with 18/4 cable from control panel to each PIR, and AMP-700 Contact Modules with 18/4 cable from control panel to each contact module. Provide cellular network module as specified.
10. Air Release Manholes shall be provided where indicated on the plans refer to C1.XX drawings for locations.
11. The peristaltic metering pumps shall be Stenner Pump Company ECON, S Series pumps. Meeting the requirements specified in specification Section 46 33 44, Part 2.1 and 2.2.

12. Toshiba Electromagnetic Flowmeter, as provided by Giangarlo Scientific Company has been approved as an "or equal" to the proposed Badger Flow Metering specified in the project. This flow meter shall meet all requirements listed in the specification and has been reviewed as such.
13. The proposed production well will be drilled in the Summer/Early Fall of 2022. The owner has signed a contract with the Drilling Company to complete the production well.
14. At this time the delivery date of the Panelogic Equipment has not been established. The purchase of this equipment will be made once the project has been awarded. A copy of the quote from Panelogic is attached for reference to confirm what is being provided/supplied by Panelogic.
15. It should be noted that the Substantial Completion is October 1, 2023 and Final Completion is November 30, 2023 for both Contracts. It is preferred and indicated at the pre-bid that we would like Contract #2 completed as soon as possible and preferably prior to July 2023. But other than this noted in the pre-bid meeting there are no established completions dates other than the ones listed above as October 1, 2023 and November 30, 2023, respectively.
16. The work at the existing well house is defined on the plans and in the specifications. The work here is the same as for the proposed well house, with just a shorter utility pole. No drawings will be provided for the existing well house.
17. The installation of the natural gas line from the limit of Contract #2 to the building is the responsibility of the of the General Trades Contractor awarded Contract #2.
18. The excavation and backfill of the gas line is the responsibility of the G.C. in Contract #2. The detail for installation has been provided within this addendum.
19. The owner will furnish all chemicals. Contractor shall furnish the 55-gallon drum for future use.
20. The fence post around the generator pad shall be installed per the Structural Plans. Details indicate cored with embedded anchors. (detail 4/S2.2)
21. The line pressure sensor is the pressure gauge shown on M2.1
22. The conduit for the pressure transducer shall be 1 ½" diameter.
23. The Well Depth Sensor is the responsibility of the G.C. to provide and install. The Sensor's conduit shall enter the building through the floor, similar to the electrical conduits. The sensor shall terminate at the Panelogic Panel.
24. There have been no soil borings for the project completed. We have provided the drilling log for the test well, drilled off the end of Evergreen Place for reference and a generalization of the soils throughout the project limits.
25. The flow meter needs to be capable of recording ad maximum flow rate of 150 gpm.
26. The upstream and downstream spool piece lengths are identified on M1.1 as 2.5 ft and 1.5 ft respectively in the piping plan, the section view indicated the minimum spool piece lengths.
27. The scale for both views shown on M1.1 should be 1" = 2'.
28. Waterline Trench Detail Clarifications – Detail 3/Sheet C5.4 is for all work within the NYSDOT Roadway. Detail 1/Sheet C3.0 is for all work within the NYSDOT Roadway and Steuben County Roadway. Detail 2/Sheet C3.0 is for all work outside the NYSDOT Roadway and Steuben County Roadway but within the 1:1 Road Prism. Areas shaded in grey are within the roadway or road prism and will require select granular fill conforming to NYSDOT 203.07.

Project Manual Sections issued by this Addendum:

Panelogic, Inc. Quote No. 2022015

Moodys Water Supply Services, LLC Well Log dated April 9, 2021

Section 28 31 11 Building Intrusion Detection

Drawings issued by this Addendum:

AD-1 Natural Gas Detail for Contract #2

Revisions to Project Manual issued by this Addendum:

ITEM AD1-1 Refer to the Advertisement for Bids

AMEND Paragraph 4, Sentence 3, "Such bids shall be received at the Campbell Town Hall until 1:00pm, June 15, 2022, …"

TO READ Paragraph 4, Sentence 3, "Such bids shall be received at the Campbell Town Hall until 1:00pm, June 23, 2022, …"

ITEM AD1-2 Refer to Section 28 31 11 Building Intrusion Detection

ADD Section 28 31 11 Building Intrusion Detection in its entirety.

Revisions to Drawings issued by this Addendum:

ITEM AD1-3 Refer to Contract #2 Evergreen Place Well & Control Building Drawings

ADD Drawing AD-1 Natural Gas Detail – Contract #2 in its entirety.

End of Addendum #2

ACKNOWLEDGMENT OF RECEIPT BY:

LEGAL NAME OF BIDDER: _____

BY (Signature & Title): _____

DATE: _____

THIS PAGE SHALL BE ATTACHED TO AND SUBMITTED WITH THE BID PROPOSAL.

PaneLogic, Inc.
Systems Integrator
366 Baker Street, Corning, NY 14830 607-936-9911 Fax: 607-936-0619
http://www.panelogic.com Email: panelogic@panelogic.com

Quote No. 2022015

April, 14 2022

Tom Austin
Town of Campbell
8529 Main Street

Dear Tom :

Thank you for this opportunity to be of assistance. We are pleased to provide you with this quotation for the Remote Well Controls per our discussion on 1/5/22, Revised 04/14/22. The price quoted is based on our discussions. Campbell DPW will be providing all mechanical and electrical installation of the antenna, antenna cable, well sensor, pressure sensor, Chlorine analyzer, Well pump VFD, and chemical pumps. PaneLogic will be responsible for providing the following:

**Due to the current Covid-19 Pandemic part deliveries may be delayed, overall delivery times may vary.

Long Lead Times:
- ? Weeks: Schneider Electric has no dates for availability for small PLCs

Line	***Part No.***	***Lead Time***
1	RADIO ENCLOSURE	

Part Description
Radio Enclosure

This line item includes labor and materials needed to build, wire, and checkout the enclosure:

- (1) Wall Mount Enclosure, 30"x24"x10"
- (1) 3 Position Selector Switch
- (1) Power Supply, 24VDC/2.1A
- (1) Schneider Electric TM241CE24R PLC
  - (2) Analog Input Module, 4Ch
- (2) Elpro Ethernet Modem
  - (1) Antenna Cable, 100 Ft
  - (1) Antenna Cable, 150 Ft
  - (2) Antenna, Omni-directional, 8dB
- (2) Lightening Arrestor, Antenna
- (1) Surge Suppressor, 120VAC
- (2) Surge Suppressor, 24VDC
- (1) APC BR700G UPS
- (1) Lot of terminals, circuit breakers, din rail, wire way, labels, etc...

Quantity	***U/M***	***Unit Price***	***Line Item Total***
1	EA		

Line	***Part No.***	***Lead Time***
3	LINE PRESSURE SENSOR	

Part Description
Line Pressure Sensor

This line item includes the following:

- (1) Pressure Sensor, 145PSI, 24VDC

PaneLogic, Inc.
Systems Integrator
366 Baker Street, Corning, NY 14830 607-936-9911 Fax: 607-936-0619
http://www.panelogic.com Email: panelogic@panelogic.com

Quote No. 2022015

- (1) Sensor Cable
- (1) Surge Suppressor, 24VDC

Quantity	*U/M*	*Unit Price*	*Line Item Total*
1	EA		

Line	*Part No.*	*Lead Time*
4	WELL DEPTH SENSOR	

Part Description
Well Depth Sensor

This line item includes the following:

- (1) Well Depth Sensor, 4-20mA = 0-100 Ft., 150 Ft Cable
- (1) Surge Suppressor, 24VDC

Quantity	*U/M*	*Unit Price*	*Line Item Total*
1	EA		

Line	*Part No.*	*Lead Time*
5	ENGINEERING/CADD	

Part Description
Engineering/Cadd

This line item includes Engineering and Cadd time/expenses to design, create prints, checkout, program applicable PLCs, Update SCADA, and provide install support.

Quantity	*U/M*	*Unit Price*	*Line Item Total*
1	EA		

TERMS & CONDITIONS
(1) Freight is not included in the price quoted.
(2) All shipments F.O.B. Origin, freight prepaid and charged back.
(3) Quotation is firm for 30 days.
(4) Invoicing will be 100% of each unit at completion of that item at PaneLogic Inc.
(5) Payment Terms are Net 30 Days
(6) Ship date is estimated to be 12-14 weeks ARO. Ship date is an estimated time from the receipt of a valid purchase order to date of shipment and does not include any shipping time. The ship date will be confirmed after receipt of a valid purchase order.

All prices exclude any applicable taxes, tariffs or duties. Prices are subjected to a line item tariff charge should there be any additional duties or restrictions imposed upon our Vendors products as a result of pending Government Actions or the current investigation under Section 232 of the Trade Expansion Act of 1962.

Thank you again for this opportunity. Please don't hesitate to call me if you have any questions. We look forward to working with you on this project and hope to hear from you soon.

_____

Roger Badura PaneLogic Inc

Moodys Water Supply Services, LLC.

Well Log

Client: Town of Campbell	**Date: April 9, 2021**
Location: 42.226734 -77.182665	**Well No. Campbell District Ext. 1 Test Well 2**
Driller: Bill Frey - Frey Well Drilling	**Contract No. 20NY070**
Boring Depth: 158 feet abandoned back to 39 feet	**Water Level: 6.24 feet**
Boring Diameter: 6 inch	

Depth	Footage	Lithology	Remarks
0 to 8	8	Brown gravely clay	Sticky
8 to 23	15	Gravel	Rounded .5" and larger
23 to 31	8	Sand	wet
31 to 39	8	Gravel	Clean .5" to 2" rounded gravel.
39 to 101.5	62.5	Clay	Grey - no gravel
101.5 to 106	4.5	Small Gravel, clay and sand	Very little water
106 to 152	46	Clay	Grey no gravel
152		Bedrock	Gray Shale
		Drilled to 158 to verify bedrock	

MOODYS
Water Supply Services, LLC

SECTION 28 31 11
BUILDING INTRUSION DETECTION

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Intrusion detection system requirements.

B. Alarm control unit.

C. Keypads.

D. Initiating devices.

1.2 RELATED REQUIREMENTS

A. Section 26 05 26 - Grounding and Bonding for Electrical Systems.

B. Section 26 05 33.13 - Conduit for Electrical Systems.

C. Section 26 05 53 - Identification for Electrical Systems: Identification products and requirements.

1.3 REFERENCE STANDARDS

A. 47 CFR 15 - Radio Frequency Devices; current edition.

B. NECA 1 - Standard for Good Workmanship in Electrical Construction; 2015.

C. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

D. UL 609 - Local Burglar Alarm Units and Systems; Current Edition, Including All Revisions.

E. UL 634 - Connectors and Switches for Use with Burglar-Alarm Systems; Current Edition, Including All Revisions.

F. UL 636 - Holdup Alarm Units and Systems; Current Edition, Including All Revisions.

G. UL 639 - Intrusion-Detection Units; Current Edition, Including All Revisions.

H. UL 864 - Control Units and Accessories for Fire Alarm Systems; Current Edition, Including All Revisions.

I. UL 1037 - Antitheft Alarms and Devices; Current Edition, Including All Revisions.

1.4 ADMINISTRATIVE REQUIREMENTS

A. Coordination:
   1. Coordinate compatibility of devices for the installed locations with work provided under other sections or by others.
      a. Doors and Windows: See appropriate Division 8 sections.
   2. Coordinate the placement of sensors and keypads with millwork, furniture, equipment, etc. installed under other sections or by others.
   3. Coordinate the work with other installers to provide communication lines required for alarm control unit connection to central station.
   4. Notify Engineer of any conflicts with or deviations from Contract Documents. Obtain direction before proceeding with work.

B. Preinstallation Meeting: Conduct meeting with facility representative and other related equipment manufacturers to discuss intrusion detection system interface requirements.

C. Sequencing:
   1. Do not install sensors and keypads until final surface finishes and painting are complete.

1.5 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.
   1. Motion Detectors: Include detailed motion detection coverage range diagrams.

C. Shop Drawings: Include plan views indicating locations of system components and proposed size, type, and routing of conduits and/or cables. Include system interconnection schematic diagrams. Include requirements for interface with other systems.

D. Certify that proposed system design and components meet or exceed specified requirements.

E. Evidence of qualifications for maintenance contractor (if different entity from installer).

F. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, installation, and operation of product.

G. Manufacturer’s detailed field testing procedures.

H. Field quality control test reports.

I. Operation and Maintenance Data: Include detailed information on system operation, equipment programming and setup, replacement parts, and recommended maintenance procedures and intervals.
   1. Include contact information for entity that will be providing contract maintenance and trouble call-back service.

J. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.

K. Maintenance contracts.

L. Project Record Documents: Record actual locations of system components and installed wiring arrangements and routing.

1.6 QUALITY ASSURANCE

A. Comply with requirements of NFPA 70.

B. Maintain at the project site a copy of each referenced document that prescribes execution requirements.

C. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.

D. Installer Qualifications: Company specializing in performing the work of this section with minimum three years documented experience with intrusion detection systems of similar size, type, and complexity and providing contract maintenance service as a regular part of their business; authorized representative of control unit manufacturer.

E. Maintenance Contractor Qualifications: Same entity as installer.

F. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Receive, inspect, handle, and store products in accordance with manufacturer's instructions.

B. Store products in manufacturer's unopened packaging, keep dry and protect from damage until ready for installation.

1.8 FIELD CONDITIONS

A. Maintain field conditions within manufacturer's required service conditions during and after installation.

PART 2 PRODUCTS

2.1 INTRUSION DETECTION SYSTEM REQUIREMENTS

A. Provide new intrusion detection system consisting of all required equipment, conduit, boxes, wiring, connectors, hardware, supports, accessories, software, system programming, etc. as necessary for a complete operating system that provides the functional intent indicated.

B. Alarm Control Unit: New addressable alarm control panel located as indicated.

C. Combination fire/intrusion systems are not permitted.

D. Keypads: Located as indicated.

E. Initiating Device Requirements:
1. Provide motion detectors to detect intruder located as indicated.

F. Provide products listed, classified, and labeled as suitable for the purpose intended.

G. Electromagnetic Interference/Radio Frequency Interference (EMI/RFI) Limits: Comply with FCC requirements of 47 CFR 15, for Class B, consumer application.

2.2 ALARM CONTROL UNIT

A. Manufacturers:
1. Addressable Alarm Control Panel:
a. Digital Security Controls (DSC); a brand of Tyco International; MAXSYS v3.2: www.dsc.com/#sle.

B. Alarm Control Panel: Modular construction.
1. Enclosure: Lockable; provide tamper protection.
2. Power Supply:
a. Primary Power: 120 VAC; provide suitable transformer/power supply; supervised for loss of AC power.
b. Secondary Power: Standby battery; provide suitable capacity for minimum standby time required by listing requirements, applicable codes, and authority having jurisdiction, but not less than four hours; provide suitable battery charger; supervised for low battery condition; protected from accidental reversal of battery leads.

C. Alarm Initiating Circuits: Supervised.

1. Hardwired Zones: Supports both normally closed and normally open conventional (non-addressable) initiating devices.
2. Addressable Zones: Supports addressable initiating devices and modules using multiplexed polling loops.
3. Wireless Zones: Supports wireless devices using wireless receivers and repeaters.

D. Alarm Notification Circuits: Supervised.

E. Communications Interfaces: Supervised.
1. Supports system reporting to central station receivers via integral interface or accessory interface modules using:
a. Digital cellular network: Napco SLE-LTEV V Sole Path Burglary Communicator

F. Keypads: Supervised.
1. Minimum Number of Keypads Supported: Equivalent to basis of design.

G. Peripheral Devices: Supervised; provide tamper protection.

H. Output Relays:
1. Relay Modules: Form C relays (normally open and normally closed); provide tamper protection.
2. Programmable to respond to system events, according to defined scheduling, or by manual activation from keypad.

I. User Codes:
1. Each user code to be individually assignable to any defined authority level for configurable access to system features and functions.

2.3 KEYPADS

A. Manufacturer: Same as manufacturer of alarm control unit.

2.4 INITIATING DEVICES

A. Manufacturers: Same as manufacturer of alarm control units where possible.

B. General Requirements:
1. Provide devices suitable for intended application and location to be installed.
2. Addressable Systems:
a. Addressable Devices: Individually identifiable by control unit.
b. Provide suitable addressable modules for connection to conventional (non-addressable) devices and other components that provide a dry closure output.

C. Contacts:
1. Magnetic Contacts: Encapsulated reed switch(es) and separate magnet; designed to monitor opened/closed position of doors or windows.
a. Use high security contacts (balanced magnetic type) for doors..

D. Motion Detectors:
1. Passive Infrared (PIR) Motion Detectors: Designed to detect intruder by sensing movement of thermal energy between zones.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that field measurements are as indicated.

B. Verify that ratings and configurations of system components are consistent with the indicated requirements.

C. Verify that mounting surfaces are ready to receive system components.

D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to system.

E. Verify that conditions are satisfactory for installation prior to starting work.

3.2 INSTALLATION

A. Perform work in accordance with NECA 1 (general workmanship).

B. Install products in accordance with manufacturer's instructions.

C. Wiring Method: Unless otherwise indicated, use wiring in conduit.
   1. Conduit: Comply with Section 26 05 33.13.

D. Provide grounding and bonding in accordance with Section 26 05 26.

3.3 FIELD QUALITY CONTROL

A. Prepare and start system in accordance with manufacturer's instructions.

B. Inspection and testing to include, at a minimum:
   1. Test each initiating device for proper response by alarm control unit.
   2. Test for proper operation of output relays.

C. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.

3.4 ADJUSTING

A. Program system parameters according to requirements of Owner.

3.5 CLEANING

A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

3.6 CLOSEOUT ACTIVITIES

A. Demonstration: Demonstrate proper operation of system to Owner, and correct deficiencies or make adjustments as directed.

B. Training: Train Owner's personnel on operation, adjustment, and maintenance of system.
   1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.
   2. Provide minimum of four hours of training.
   3. Location: At project site.

3.7 PROTECTION

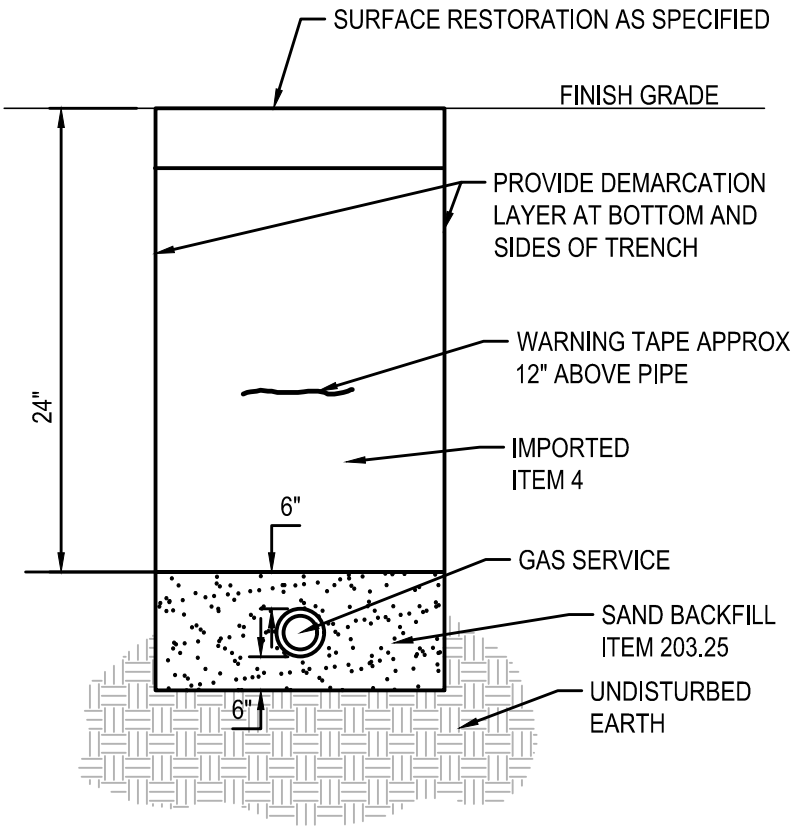
A. Protect installed system components from subsequent construction operations.

3.8 MAINTENANCE

A. Provide trouble call-back service upon notification by Owner:

1. Include allowance for call-back service during normal working hours at no extra cost to Owner.
2. Owner will pay for call-back service outside of normal working hours on an hourly basis, based on actual time spent at site and not including travel time; include hourly rate and definition of normal working hours in maintenance contract.

END OF SECTION



1 GAS PIPE TRENCH DETAIL

SCALE: N.T.S.

NATURAL GAS DETAIL - CONTRACT #2

CAMPBELL (T) WATER SYSTEM IMPROV.

TOWN OF CAMPBELL

TOWN OF CAMPBELL, STEUBEN COUNTY, NY

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7950
TOWANDA, PA 570 - 265 - 4868

AD-1

DATE: 06/07/2022

PROJECT NO: 1313.021