

**Consolidated Public Water Supply District No. 1
of Boone County, Missouri, a Public Corporation**

Highway 163 Water Line Upgrade – Phase 1

ADDENDUM No. 1

March 11, 2019

Specifications Date: February 2019

Bid Opening: Friday, March 15, 2019 @ 10:00 A.M. Local Time

Project No. 18080.070

ENGINEER

Bartlett & West, Inc.
1719 Southridge Dr., Suite 100
Jefferson City, MO 65109-4000
Phone: (573) 659-6733

OWNER

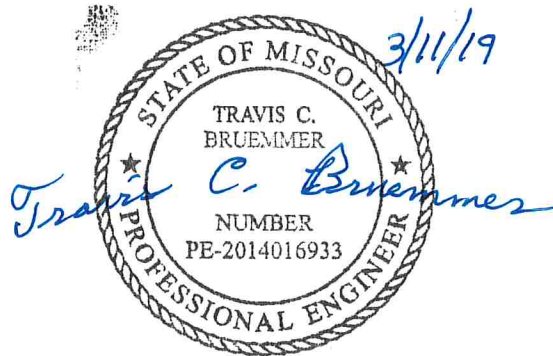
CPWSD No. 1 of Boone County, MO
1500 North 7th Street
Columbia, MO 65201
Phone: (573) 449-0324

Notice is hereby given to bidders that in reference to the subject project, the following modification shall be noted. All other aspects of the Contract Documents remain in full force and effect. **Acknowledgment of this addendum is required on the Bid Form.** This addendum will **NOT** extend the date of the Bid Opening.

This Addendum includes the following additional information:

- A. Revised Bid Form 00400 (3 total pages):
Two additional base bid items and one additional alternate bid item have been added to the Bid Form. Bid Items #59, #60, and #Alt61 have been added to the project. Bid Item #59 is for a quantity for Topsoil, in cubic yards (CY), to be used in conjunction with site restoration and seeding for the lawn areas on the project. Bid Item #60 is a lump sum (LS) pay item for Mobilization. Alternate Bid Item #Alt61 is for concrete pavement replacement, in square feet (SF), to be used in the event that rock is encountered for the driveway bores on the project and the driveways need to be open cut.
The original Bid Form 00400 has been replaced entirely with the attached revised Bid Form 00400 in which the tops of the pages show “ADDENDUM NO. 1”. This revised Bid Form 00400 shall be used for the submission of Bids.
- B. Revised Measurement and Payment Specification Section 01200 (5 total pages):
Additional descriptions have been added to specify the measurement and payment of the Bid Items that were added. The original Measurement and Payment Specification Section 01200 has been replaced entirely by the attached revised Measurement and Payment Specification in which the tops of the pages show “ADDENDUM NO. 1”.
- C. The minutes and sign-in sheet from the Pre-Bid Conference have also been attached to this Addendum for reference (4 total pages).
- D. Bid Opening will remain as the original date of Friday, March 15, 2019, at 10:00 A.M. Local Time.

This addendum is hereby made part of the Bidding Documents to the same extent as though contained in the original documents. Acknowledgment of this addendum is required in the space provided on Page 00400-1 of the Bid Form.



TRAVIS C. BRUEMMER – PROFESSIONAL ENGINEER
LICENSE NO. PE-2014016933

BARTLETT & WEST, INC.
MISSOURI CERTIFICATE OF AUTHORITY NO. 000167 – ENGINEERING
1719 SOUTHRIDGE DRIVE, SUITE 100
JEFFERSON CITY, MO 65109-4000
(573) 659-6733

DATE PREPARED: MARCH 11, 2019

SECTION 00400

BID FORM

Proposal of _____ (hereinafter called "BIDDER"),
organized and existing under the laws of the State of _____ doing business as a
_____ * to CPWSD No. 1 of Boone County, MO.
(Corporation, LLC, Partnership, or Individual)

BIDDER hereby proposes to perform all WORK for the construction of
HIGHWAY 163 WATER LINE UPGRADE – PHASE 1

in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

By submission of this BID, each BIDDER certifies, and in the case of a joint BID, each party thereto certifies as to its own organization, that this BID has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the NOTICE TO PROCEED and to complete the project within **150** consecutive calendar days.

BIDDER further agrees to pay as liquidated damages the sum of **\$ 250** for each consecutive calendar day after the Completion Date, thereafter as provided in Section 15 of the General Conditions.

BIDDER acknowledges receipt of the following ADDENDUM:

No. ____, dated _____ (*Initial acknowledgement*) _____

No. ____, dated _____ (*Initial acknowledgement*) _____

No. ____, dated _____ (*Initial acknowledgement*) _____

No. ____, dated _____ (*Initial acknowledgement*) _____

* Insert "corporation", "LLC", "joint venture", "partnership", or "individual" as applicable.

ADDENDUM NO. 1

Bidder agrees to perform all work described in the specifications and shown on the plans for the following prices:

BASE BID

Item No.	Item Description	Unit	Bid Quantity	Price	Amount
1	12" PR200 Ultra Blue PVCO (ASTM F-1483)	LF	11,200		
2	12" C900 PVC (Open Cut)	LF	100		
3	Driveway Crossings				
3a	12" Fusible C900 PVC (Earth Bore)	LF	120		
3b	12" Fusible C900 PVC (Open Cut)	LF	80		
4	Creek Crossing				
4a	16" Fusible C900 PVC Encasement with 12" Fusible C900 PVC (Rock Bore)	LF	360		
4b	12" Fusible C900 PVC (Open Cut)	LF	80		
5	Roadway Crossing - State Highway 163				
5a	20" Steel Encasement with 12" Fusible C900 PVC (Rock Bore)	LF	60		
5b	12" Fusible C900 PVC (Open Cut)	LF	60		
6	6" PR200 Ultra Blue PVCO (ASTM F-1483)	LF	40		
7	4" PR200 PVC	LF	140		
8	2" PR200 PVC	LF	20		
9	12" Gate Valve and Box	EA	16		
10	8" Gate Valve and Box	EA	1		
11	6" Gate Valve and Box	EA	6		
12	4" Gate Valve and Box	EA	1		
13	12" Anchor Coupling	EA	20		
14	8" Anchor Coupling	EA	1		
15	6" Anchor Coupling	EA	6		
16	4" Anchor Coupling	EA	1		
17	12" Bend	EA	7		
18	6" Bend	EA	2		
19	4" Bend	EA	2		
20	12" x 12" x 6" Anchor Tee	EA	4		
21	6" x 6" x 6" Anchor Tee	EA	1		
22	12" x 12" x 12" Tee	EA	1		
23	12" x 12" x 6" Tee	EA	4		
24	12" x 12" x 4" Tee	EA	1		
25	12" x 8" Reducer	EA	1		
26	6" x 4" Reducer	EA	1		
27	12" Solid Sleeve	EA	4		
28	6" Solid Sleeve	EA	2		
29	4" Solid Sleeve	EA	3		
30	2" Repair Coupling	EA	1		
31	12" Sigma One-Lok Joint Restraint for PVC	EA	2		
32	6" Sigma One-Lok Joint Restraint for PVC	EA	2		
33	4" Sigma One-Lok Joint Restraint for PVC	EA	2		
34	12" x 4" Tapping Sleeve and 4" Valve	EA	1		
35	12" x 2" Saddle and 2" Ball Valve	EA	1		
36	12" Plug	EA	1		
37	8" Plug, Tapped 4"	EA	1		
38	6" Plug, Tapped 2"	EA	3		

ADDENDUM NO. 1

BASE BID

Item No.	Item Description	Unit	Bid Quantity	Price	Amount
39	4" End Cleanout	EA	2		
40	Air Release Pit	EA	3		
41	Furnish and Install Fire Hydrant Assembly	EA	3		
42	Remove and Salvage Existing Fire Hydrant	EA	1		
43	Relocate Frost-Free Hydrant	LS	1		
44	1" PE Service Line	LF	300		
45	3/4" PE Service Line	LF	160		
46	Reconnect Service Meter	EA	13		
47	Relocate Service Meter	EA	10		
48	Connect to Existing 12" Water Line (Detail C102-1)	LS	1		
49	Connect to Existing 6" Water Line (Detail C102-2)	LS	1		
50	Connect to Existing 6" Water Line (Detail C104-1)	LS	1		
51	Connect to Existing 2" Water Line (Detail C105-2)	LS	1		
52	Connect to Existing 4" Water Line (Detail C106-1)	LS	1		
53	Gravel for Structures, Trench Backfill, and Road Surfaces	TON	400		
54	Rock Trench Excavation	CY	50		
55	Concrete Thrust Blocking	CY	35		
56	Water Line Testing	LS	1		
57	Permanent Seeding with Non-Lawn Mix	LF	9,000		
58	Permanent Seeding with Lawn Mix	LF	2,700		
59	Topsoil	CY	45		
60	Mobilization	LS	1		

TOTAL BASE BID \$ _____

ALTERNATE BID ITEMS

Item No.	Item Description	Unit	Bid Quantity	Price	Amount
Alt 1	12" PR235 Ultra Blue PVCO (AWWA C909)	LF	11,200		
Alt 3a	12" Restrained Joint C900 PVC (Earth Bore)	LF	120		
Alt 3b	12" Restrained Joint C900 PVC (Open Cut)	LF	80		
Alt 4a-1	16" Fusible C900 PVC Encasement with 12" Fusible C900 PVC (Earth Bore)	LF	360		
Alt 4a-2	20" DR11 HDPE Encasement with 12" Fusible C900 PVC (Rock Bore)	LF	360		
Alt 4a-3	20" DR11 HDPE Encasement with 12" Fusible C900 PVC (Earth Bore)	LF	360		
Alt 5a-1	20" Steel Encasement with 12" Fusible C900 PVC (Earth Bore)	LF	60		
Alt 5a-2	20" Steel Encasement with 12" PR200 Restrained Joint PVC (Rock Bore)	LF	60		
Alt 5a-3	20" Steel Encasement with 12" PR200 Restrained Joint PVC (Earth Bore)	LF	60		
Alt 5b	12" PR200 Restrained Joint PVC (Open Cut)	LF	60		
Alt 61	Concrete Pavement Replacement	SF	160		

NOTE: BIDS shall include all applicable taxes and fees. State of Missouri provides sales tax exemption.

This Bid is submitted by:

Name (Corporation, LLC, Partnership, or Individual)

Authorized Signature, Title

Address

City, State, Zip

FEIN

Phone No.

CORPORATE SEAL - (if BID is by a corporation)

SECTION 01200
MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 BACKGROUND

- A. This section is intended to provide a general guideline to the Contractor in preparing and submitting pay requests. Listings of work included in each bid item are not intended to include all work, but are only to provide general guidance to the Contractor in allocating costs.
- B. All work to be done by the Contractor, as shown on the drawings and described in the specifications, including any and all minor details not specifically shown or described but obviously essential to the proper completion of the work, shall be considered as subsidiary to and included with the work for which prices are named in the Contract Documents. The Contractor shall not be entitled to any extra or additional compensation for such work unless otherwise specified. Work for which there is not a pay item will be considered incidental to the Contract and no additional compensation will be allowed.
- C. All work completed under this Contract will be measured by the Owner or his authorized representative with the assistance of the Contractor. The method of measurement shall be as described in this section of the specifications. Payment shall be made to the Contractor as specified in Section 00700 Subsection 19, "Payment to Contractor".
- D. The Engineer will provide the Contractor the Application for Progress Payment Form in an Excel spreadsheet similar to the form contained within the Contract Manual.

1.02 SCHEDULE OF VALUES FOR LUMP SUM BID ITEMS

- A. The Contractor shall prepare and submit to the Engineer at or prior to the Preconstruction Conference a schedule of values covering the following lump sum items.
 - 1. None
- B. The schedule of values, showing the value of each facet of work, shall be submitted to the Engineer and approved before any partial payment estimate is prepared. The sum of the items listed in the schedule of values shall equal the contract lump sum price. Overhead and profit shall not be listed as separate items.
- C. An unbalanced schedule of values providing for overpayment of the Contractor on items of work which would be performed first will not be accepted. The schedule of values shall be revised and resubmitted until acceptable to the Engineer.
- D. Approved Change Orders that affect the Schedule of Values will be revised with each Application for Payment.

1.03 MEASUREMENT AND PAYMENT FOR UNIT PRICE BID ITEMS

- A. Quantities and measurements will be based on the unit of measurement shown on the Bid, and will be measured as identified below in "Measurement and Method of Payment".
- B. Payment will be full compensation for required labor, products, tools, equipment, plant, delivery, transportation, services and incidentals; erection, application or installation, testing and start-up of an item of the Work; overhead and profit.

1.04 STORED MATERIALS ALLOWANCE

- A. In accordance with Section 00700 General Conditions, Contractor may request an allowance for the cost of major materials and equipment which are suitably stored at or near the site be included in the Application for Progress Payments.
- B. The cost is the actual supplier invoiced amount of the item not including handling, shipping, fees, or other costs added to the price of the item.
- C. Supplier invoices shall be submitted to the Engineer at least one week prior to the cut-off date. The Engineer will prepare the Stored Materials Summary Form and add the allowance to the Application for Payment.

1.05 APPLICATION FOR PROGRESS PAYMENT

- A. Submittal Process
 - 1. The cut-off for work completion for the progress payment will be the last Friday of the month. In addition to other investigation, the inspector's reports and construction schedule will be used as a basis for evaluating the Contractor's estimated amount of work done at such periods as may be deemed necessary; all as required by the Engineer to provide assurances as to the accuracy of data submitted on the application for progress payment.
 - 2. Contractor and Owner's Representative will agree on the quantities that will be entered on the pay estimate. In cases of discrepancies between the Contractor's quantities and the Owner's Representative records, the Owner's Representative shall decide which information is correct for the progress payment.
 - 3. Once the quantities of completed work are approved by the Owner's Representative, the Contractor shall submit four (4) executed originals of the Application for Progress Payment to the Engineer for processing.
 - 4. A certified payroll for the same period must be submitted directly to the Water District.
 - 5. The Application for Progress Payment and certified payrolls must be submitted no later than the Monday of the Water District Board meeting, which normally meets on the second Thursday of the month. If the date of the meeting is changed, the Engineer will notify the Contractor of the new date and when the forms are due.

1.06 FINAL APPLICATION FOR PAYMENT

- A. Final quantities of completed work will be agreed by both the Contractor and Owner.
- B. Refer to Section 01700 "Project Closeout" for requirements for final application for payment and approval for final payment.
- C. Refer to Section 00800 "Supplemental General Conditions" regarding any modifications to GC-29 "Guarantee" for a restoration deposit.

1.07 VIOLATIONS PENALTIES

- A. In the event that the Owner or governmental agency has determined that a violation of any of the sections identified in these specifications has occurred, and that a penalty shall be assessed, the Owner shall withhold and retain all sums and amounts due and owing when making payments to Contractor under this Contract.

1.08 MEASUREMENT AND METHOD OF PAYMENT**A. Pipeline**

1. Measurement: Linear Feet (LF) measured along the pipe.
2. Item Includes: Trenching, bedding, pipe installation, locator wire, backfilling, compaction, pipe, gaskets, polyethylene wrap, site preparation, tree and brush removal, traffic control, erosion control, and rough grading. Excavation will be unclassified; however, rock trench excavation will be paid for separately. Deep installation pipeline also includes use of trench boxes or other means to safely excavate, install, and backfill for the pipeline.
3. Item includes site restoration: All items necessary to restore the site to its original condition, removal of construction debris, restoring fences, drives, mailboxes and other items disturbed during construction. Seeding will be paid for separately.
4. Locator wire will be considered incidental to the price of the pipe installation and include the following items: Installation, wire, tape, and splices for placement on pipe, in valve boxes, and in tracer wire access boxes.

B. Bored Pipeline

1. Measurement without Encasement Pipe: Linear Feet (LF) measured along the pipe as installed in the field.
2. Measurement with Encasement Pipe: Linear Feet (LF) measured along the encasement pipe as installed in the field.
3. For bores without encasement pipe, boring will be unclassified. If rock is encountered, boring shall be terminated, and the pipeline shall be installed using open-cut methods instead until such location as conditions permit further boring as determined by the Owner's Representative. Any open-cut pipeline and rock trench excavation will be paid for separately.
4. For bores with encasement pipe, the bore will be classified as an earth bore if the drill bit does not have to change to a rock bit, and the bore will be classified as a rock bore if the drill bit has to be changed to a rock bit. The entire bore length will be paid on the basis of the bore classification.
5. Item Includes: Directional and/or conventional boring method of installation, carrier water line pipe, casing, spacers, end seals, double strands of locator wire under highways, all other items necessary for the installation of bored pipeline.

C. Gate Valve and Box

1. Measurement: Each (EA)
2. Item Includes: Valve, mechanical joint valve setting, valve box riser and lid, and installation.

D. Pipe Fitting

1. Measurement: Each (EA) for tees, crosses, bends, reducers, anchor couplings, sleeves, joint restraints, plugs, couplings, and other fittings not included in other pay items.
2. Item Includes: All necessary materials and labor for a complete installation of the fitting.

E. End Cleanout

1. Measurement: Each (EA)
2. Item Included for 4" cleanout: All schedule 80 piping, elbows, threaded plug, and labor necessary to install the cleanout as shown on the Plans. Gate valve and tee will be paid for separately.
3. Item Included for 2" cleanout: All schedule 80 piping, elbows, threaded plug, brass saddle and tapping of line, ball valve, and all labor necessary to install the cleanout as shown on the Plans.
4. Rock and concrete thrust blocking with rebar will be paid for separately.

- F. Air Release Pit
1. Measurement: Each (EA)
 2. Item Includes: All piping and fittings necessary to install the air release valve structure and equipment as shown on the Plans and Details. Main pipeline tee, tapped MJ plug, and gravel will be paid for separately.
- G. Furnish and Install Fire Hydrant Assembly
1. Measurement: Each (EA)
 2. Item Includes: Furnishing the fire hydrant for the proper burial depth and connection to the main by an anchor tee, gate valve and box, and anchor coupling(s). Also includes setting the fire hydrant to proper grade and plumb.
 3. All necessary piping and fittings, clean rock, fire hydrant and concrete thrust blocking with hairpin rebar for a complete installation per construction detail will be paid for separately.
- H. Remove and Salvage Existing Fire Hydrant
1. Measurement: Each (EA)
 2. Item Includes: Removal of the complete fire hydrant assembly from its existing location, salvaging the fire hydrant and delivering it to the Water District, closure and abandonment of the existing valve, and installing an end cap on the existing pipe as needed. Includes site restoration not otherwise included in Pipeline.
- I. Relocate Frost-Free Hydrant
1. Measurement: Lump Sum (LS)
 2. Item Includes: Removal of the complete frost-free hydrant from its existing location and installing at a new location, and all fittings necessary to reconnect the hydrant to the water line. Includes site restoration not otherwise included in other items.
- J. Service Line
1. Measurement: Linear Feet (LF) for PE service lines.
 2. Items Included for Open-Cut Installation: Pipe, locator wire, trenching, bedding, installation, backfilling, and compaction. Excavation will be unclassified; however, rock trench excavation will be paid for separately. Aggregate backfill material will be paid for separately for open-cut installations.
 3. Items Included for Bored Installation: Pipe, locator wire, boring, casing, installation, backfilling, and compaction of disturbed areas. Boring will be unclassified.
 4. Item includes site restoration: All items necessary to restore the site to its original condition, including removal of construction debris and restoring fences, drives, mailboxes and other items disturbed during excavation and construction.
- K. Reconnect Water Meter
1. Measurement: Each (EA)
 2. Item Includes: All fittings necessary to tap new water line and reconnect service line to existing service line going to the meter, or reconnect service line directly at the meter pit setter.
 3. Service line pipe will be paid for separately. If a new meter pit setter is required, it will be provided by the District. Includes site restoration not otherwise included in Service Line.
- L. Relocate Water Meter
1. Measurement: Each (EA)
 2. Item Includes: Removal of the complete meter set from its existing location and installing a new

- meter pit setter (provided by Owner) at a new location; all fittings necessary to tap the new water line; connect the new water service to the meter pit setter; and connect the meter to the existing service line to the house.
3. Service line piping will be paid for separately. Includes site restoration not otherwise included in Service Line.
- M. Connect to Existing Water Lines
1. Measurement: Each (EA)
 2. Item Includes: Locating and connecting to the existing water line as shown on the details complete with installation of appurtenances, field cutting of pipe, furnishing and installing the end cap on the existing pipe; notification to customers that water will be shut off; abandonment and/or removal of existing facilities in connection with the tie-in; and coordination with Water District in turning off isolation valves. Includes site restoration not otherwise included in Pipeline.
- N. Gravel
1. Measurement: Tonnage (TON) to the nearest 0.01 ton from truck haul tickets of gravel delivered to the site.
 2. Item Includes: All items necessary for the hauling to the site and placement of gravel for trench backfill under roads, gravel road surface restoration, and at structures.
- O. Rock Trench Excavation
1. Measurement: Cubic Yards (CY) to the nearest 0.1 CY, as measured in the field.
 2. Item Includes: Open cut rock excavation methods required to remove rock from the trench, and removal of the rock from the project area.
- P. Concrete Thrust Blocking
1. Measurement: Cubic Yards (CY) to the nearest 0.1 CY from truck tickets delivered to the site.
 2. Item Includes: Concrete, forming, tie rods and rebar for restraining blocks, hairpin rebar for valves, concrete blocking for bends, end caps, other fittings, pipe encasement, and installation.
- Q. Water Line Testing
1. Measurement: Lump Sum (LS) based on a percentage of main water line sections tested and approved. It is anticipated that there will be approximately two (2) water line sections to be tested.
 2. Item Includes: All item necessary to clean, flush, pig, and disinfect water lines by chlorination and all items necessary to pressure test water lines. Also includes temporary installation of structures, temporary thrust blocking, pipe and other facilities to introduce the poly-pig to the pipes to be cleaned, an adequate source of water to project the pig through the pipes, and a catching mechanism to extract the pig.
 3. Any permanent valves and concrete thrust blocking will be paid for separately.
- R. Permanent Seeding
1. Measurement: Linear Foot (LF) measured along main line only.
 2. Item Includes: Fine grading, topsoil, and multiple applications of seed, fertilizer, and mulch, as needed to restore vegetation with full ground cover.
- S. Topsoil
1. Measurement: Cubic Yards (CY) to the nearest 0.1 CY from truck tickets delivered to the site.
 2. Item Includes: All items necessary for the hauling to the site and placement of topsoil for site restoration per project specifications.

T. Mobilization

1. Measurement: Lump Sum (LS). Payment for mobilization shall be made at the time of the first progress payment equal to 40 percent of the bid amount shown for mobilization after the Contractor has purchased bonds and insurance. An additional 40 percent will be eligible for payment upon Contractor's mobilization onto project site. The remaining 20 percent will be submitted for payment after the project is substantially complete.
2. Item Includes: Mobilization, including purchasing bonds and insurance, and Demobilization.

U. Pavement Replacement

1. Measurement: Square Feet (SF)
2. Item Includes: Subgrade preparation, saw cutting of existing pavement (as required), installation of the pavement type and thickness per project and site/existing requirements.
3. Base rock will be paid for separately.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION

**HIGHWAY 163 WATER LINE UPGRADE – PHASE 1
MANDATORY PRE-BID CONFERENCE**

March 8, 2019 @ 10:00 A.M.

Owner

CPWSD No. 1 (573) 449-8723

District Manager: Bob Leonard

Asst. Manager: David Lee

Project Liaison: Chad Henry (573) 219-0862

Inspector: Jeff Reimler (573) 219-1567

Engineer

Bartlett & West, Inc. (573) 659-6733

Project Engineer: Travis C. Bruemmer, PE

1. Project Description

The project includes installation of approximately 12,000 feet of 12" PVC water line installation with valves and appurtenances. It also includes two bores under driveways, a creek bore with encasement, and a bore with encasement under a 2-lane state highway (State Highway 163).

2. Contract Award and Schedule

- A. Bid Opening – Friday, March 15, 2019, at 10:00 A.M.
- B. Bid Tab presented for Contract award at the Board meeting – March 21, 2019
- C. Contract Approval and NTP at Board meeting – April 11, 2019
- D. 150 consecutive Calendar days to complete project, \$250.00 liquidated damages for each consecutive calendar day after the Completion Date
- E. Prevailing Wage Rates for Boone County
- F. Water District will provide Contractor with Sales Tax Certificate.

3. Rights-of-Way

- A. The easement widths 20 feet wide. The easement is based off of the existing 4-inch water line with 10 feet on either side of the water line. That is how the easement is staked out. There are a couple locations that the easement varies from this.
- B. The waterline is staked out for the entire project for viewing and construction.
- C. The MoDOT Permit for the Highway 163 Encasement Bore will be obtained by the District. Contractor will need to be bonded with MoDOT.
- D. County Road Crossings Permit (573) 449-8515 shall be obtained by Contractor for open cut of East Bonne Femme Church Road and South Bennett Drive.

4. Specific Construction Considerations

- A. Location for storage of materials will be determined prior to notice to proceed.
- B. Coordination with other Utilities (MO-One Call).

5. Pay Items

- A. The pay items have been broken down into individual fittings and ancillary items. Unless identified on the plans or in the measurement and payment section of the documents, the item will be paid individually and not in combination with a complete installation. For example, a fire

hydrant installation will have a 6" branch tee, anchor couplings, gate valve and box, rock, concrete thrust blocking, and hydrant. Each of those items is paid for separately.

- B. Solid rock excavation will only be measured and paid for when rock is encountered in open cut trench excavation.

6. Bored Pipe

- A. The State Highway Crossing of Highway 163 payment is based on casing length.
- B. The Base Bid items for the Bores note what type of bore (Earth or Rock) is expected for each, but no borings were taken.
- C. The pipe and any open cut trench rock excavation on either side of the bore, if any encountered, will be paid for separately.

7. Seeding

- A. Temporary seeding may be necessary in some areas of the project. The application of temporary seeding will be as directed by the District Inspector.
- B. Permanent seeding is required upon completion of the work. Read the Specification for Site Restoration in Section 02936 Part 3.
- C. Pursuant to General Condition GC-29 "Guarantee", a deposit will be held by the District. Refer to Supplemental Conditions Subsection 9. This will allow the contract to be fully closed out with only the one-year warranty deposit in effect for defective work and the deposit held until site restoration and revegetation has occurred to the satisfaction of the District.

8. Questions/Comments

- A. Reminder: Carefully read all insurance requirements of General Condition 21.
- B. Double strands of locator wire, Copperhead or approved equal, shall be installed with all bored pipeline and included in the bored pipeline bid item price.
- C. *Addendum No. 1 will be forthcoming and will include additional Bid Items for:*
 - 1. *Mobilization (LS)*
 - 2. *Topsoil (CY)*
 - 3. *Concrete Pavement Replacement (SF)*

CONSOLIDATED WATER

Boone County, Missouri

Highway 163 Water Line Upgrade-Phase 1 - Mandatory Pre-Bid Conference
Friday, March 8, 2019 @ 10:00 A.M.

Attendance Sign-In Sheet

Name	Company	Contact Number	E-Mail Address
Tony Haile	Gene Haile Exc Inc	573-796-3513	earthmover325@yahoo.com
John Kirchhoff	Lehman Co.	573-796-8101	quotes@lehmanconstructionllc.com
Patrick Ryan	RYAN CONST. CO	573-814-2556	pmr@ryanconstructionco.com
Bob Persons	Persons & Sons Inc.	573-429-3157	lynson@boycowonline.com
Chris Fischer	Fischer Grading	636-237-3370	cfischer@fischergrading.com
Curtis Korman	Fischer Grading	573-576-2092	curt@fishergrading.com
Keith Farrell	KJ Unnestall	390 1896 636-291	Keith F@Kjuinc.com
CLIPSON ERY	BLYS CONST.	573-754-3390	
Lee Steinman	C+S Const	573-921-8799	C.S Comp @ Nemo.net.com
Chris Schneider	JEFF SCHNEIDER'S CONST	573-636-7335	CHRIS@JSCCI.COM
Royce Hettinger	Hettinger Excavating	816-786-4593	Royce@Hettinger<.com
Shelby Sapp	SSCL INC	573-489-9631	SSCC incorporated @ gmail.com
Pan Janik	The Janik Group	816-560-0119	danielj@thejanikgroup.com
TONY MURAWSKI	MICK MEHLER SONS	573-384-5978	mickmehlerandsons@live.com

