

ADVERTISEMENT FOR BIDS

East Logan Water District
333 South Franklin Street
Russellville, KY 42276

RE: Phase VI: System-wide SCADA Improvements Project

The **East Logan Water District** will receive separate, sealed Bids for their **System-wide SCADA Improvements Project** until **10:00 a.m., Tuesday, November 20, 2018** at the office of East Logan Water District, 333 South Franklin Street, Russellville, Kentucky 42276, at which time they will be publicly opened and read aloud.

The Contract involves new construction and/or retro-fitting of multiple metering vaults or other above-ground structures; all in order to monitor hydraulic performance and parameters within the East Logan Water distribution system. The project will include the addition of a new and complete system-wide SCADA system plus various other piping, valves, accessories and associated electrical components in Logan County (KY) as described by the contract drawings and specifications. Bids will be received for a single prime Contract. Bids shall be on a lump sum basis.

The Issuing Office for the Bidding Documents is: McGhee Engineering, Inc., at P.O. Box 267, 202 South Ewing Street, Guthrie, Kentucky 42234 or by calling (270) 483-9985. Perspective Bidders may examine the Bidding Documents at the Issuing Office on Mondays through Fridays between the hours of 8:30-4:30 pm, and may obtain copies of the Bidding Documents from the Issuing Office as described below.

Plans must be ordered by visiting www.mcgheeengineering.com and clicking "**Bid Opportunities**". Plans will be sold with an option of Digital only OR Printed Set w/ Digital copy. Bids will be accepted only from registered contractors holding approved bid forms provided by the Issuing Office. Plan holders may be viewed at www.mcgheeengineering.com.

Bid security shall be furnished in accordance with the Instructions to Bidders.

Published by the authority of the East Logan Water District
Harris Dockins, Chairman

Dated: October 30, 2018

PARTIAL
PREVIEW

BID FORM

Project Identification: East Logan Water District's
Phase VI: System-wide SCADA Improvements Project

Contract Identification: System-wide SCADA Improvements Project

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is Submitted to: East Logan Water District
333 South Franklin Street
Russellville, Kentucky 42276

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 the Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid shall remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

Addendum No. _____ Dated _____
Addendum No. _____ Dated _____
Addendum No. _____ Dated _____
Addendum No. _____ Dated _____

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

E. 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 any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and

procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.

- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. 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.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. 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;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "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;
 - 2. "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;
 - 3. "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; and
 - 4. "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.

ARTICLE 5 – BASIS OF BASE BID

5.01 In compliance with the Advertisement for Bids, BIDDER hereby proposes to furnish all equipment, materials and labor for the work required for full and final completion of the “**System-wide SCADA Improvements Project**”, in strict accordance with the CONTRACT DOCUMENTS, within the time set forth herein for the Lump Sum Base Bid amount of:

Total Lump Sum Bid Price for Base Bid Work	\$
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Dollars (\$))

Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words shall govern.

Lump Sum Bid Price for Base Bid Work	\$
Alternate Scope – ‘Bucksville I’ Site <input type="checkbox"/> Add <input type="checkbox"/> Deduct (check) Master Meter Improvements on Existing Vault per Detail 1 & 2, Sheet P-14, including new meter, new concrete floor, solar power upgrade, appurtenances, etc. Complete & ready for use.	\$
Total Lump Sum Bid Price for Base Bid Work w/ Alternate	\$

Dollars (\$))

Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words shall govern.

5.02 General Supervisor System Supplier included in the lump sum bid is **(Check One)**:

Bidder proposes to Utilize:

HTI, Inc. (270.274.4632)

Primex (763.559.0568)

Integrated Process Solutions (608.549.4375)

5.03 The Bidder is required to attach to this Bid Form a detailed proposal which totals the lump sum for ‘base bid work’ amount above. This proposal should provide a detailed breakdown of the lump sum bid with unit pricing and thorough description of each component of the work, by location. Any proposed deviations or exceptions from the specifications must be thoroughly described in the Bidder’s proposal. Any special provisions must be thoroughly described in the Bidder’s detailed proposal, if warranted.

5.04 SUPPLEMENTAL UNIT PRICES: The following Supplemental Unit Prices will apply in the event that additions to or deductions from the work required in the Bid are ordered. A single price shall be bid for each item. OWNER reserves the right to accept or reject these prices by inclusion in or omission from the Contract Documents to be executed after the award of the Contract.

Item	Type of Work	Unit	Supplemental Unit Price		
			(Words)	Dollars	(Numbers)
1.	Buried/Trenched Instrumentation Cable Type PLTC, Type ITC, 300V, 8 twisted Pairs, 18 AWG, PVC conductor insulation material, B/W numbered pairs, overall shielded, PVC jacket in 1.5" conduit; where ordered by the Engineer.	LF	_____.	Dollars	\$_____.
2.	Buried/Trenched Instrumentation Cable Type PLTC, Type ITC, 300V, 8 twisted Pairs, 16 AWG, PVC conductor insulation material, B/W numbered pairs, overall shielded, PVC jacket in 1.5" conduit; where ordered by the Engineer	LF	_____.	Dollars	\$_____.
3.	Alternate New Site – ‘Dennis Road’ Master Meter Vault w/ SCADA per Detail 2, Sheet P-13. Including all specified valves, power source, piping & appurtenances. Complete, in place & ready for use.	LS	_____.	Dollars	\$_____.
4.	Chlorine Analyzer (4 max) installed within existing building/structure. Submersible rated, direct mount digital display with 2 wire loop powered to 4-20mA output to SCADA; where ordered by the Engineer	EA	_____.	Dollars	\$_____.
5.	Unclassified undercut, where ordered by the Engineer.	CY	_____.	Dollars	\$_____.
6.	No. 57 aggregate refill, where ordered by the Engineer.	ton	_____.	Dollars	\$_____.
7.	Class “B” concrete refill, where ordered by the Engineer	CY	_____.	Dollars	\$_____.

PARTIAL PREVIEW

ARTICLE 6 – TIME OF COMPLETION

6.01 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.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are attached to and made a condition of the Bid:
 - A. Required Bid security in the form of a Bid Bond (EJCDC No. C-430) or Certified Check (circle type of security provided);
 - B. If Bid amount exceeds \$10,000, signed Compliance Statement (RD 400-6). Refer to specific equal opportunity requirements set forth in the Supplemental General Conditions;
 - C. If Bid amount exceeds \$25,000, signed Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions (AD-1048);
 - D. If Bid amount exceeds \$100,000, signed RD Instruction 1940-Q, Exhibit A-1, Certification for Contracts, Grants, and Loans;
 - E. List of Subcontractors.
 - F. Statement of Experience

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with the initial capital letters have the meanings indicated in the Instructions to Bidders, the General Conditions, and the Supplemental Conditions.

ARTICLE 9 – BID SUBMITTAL

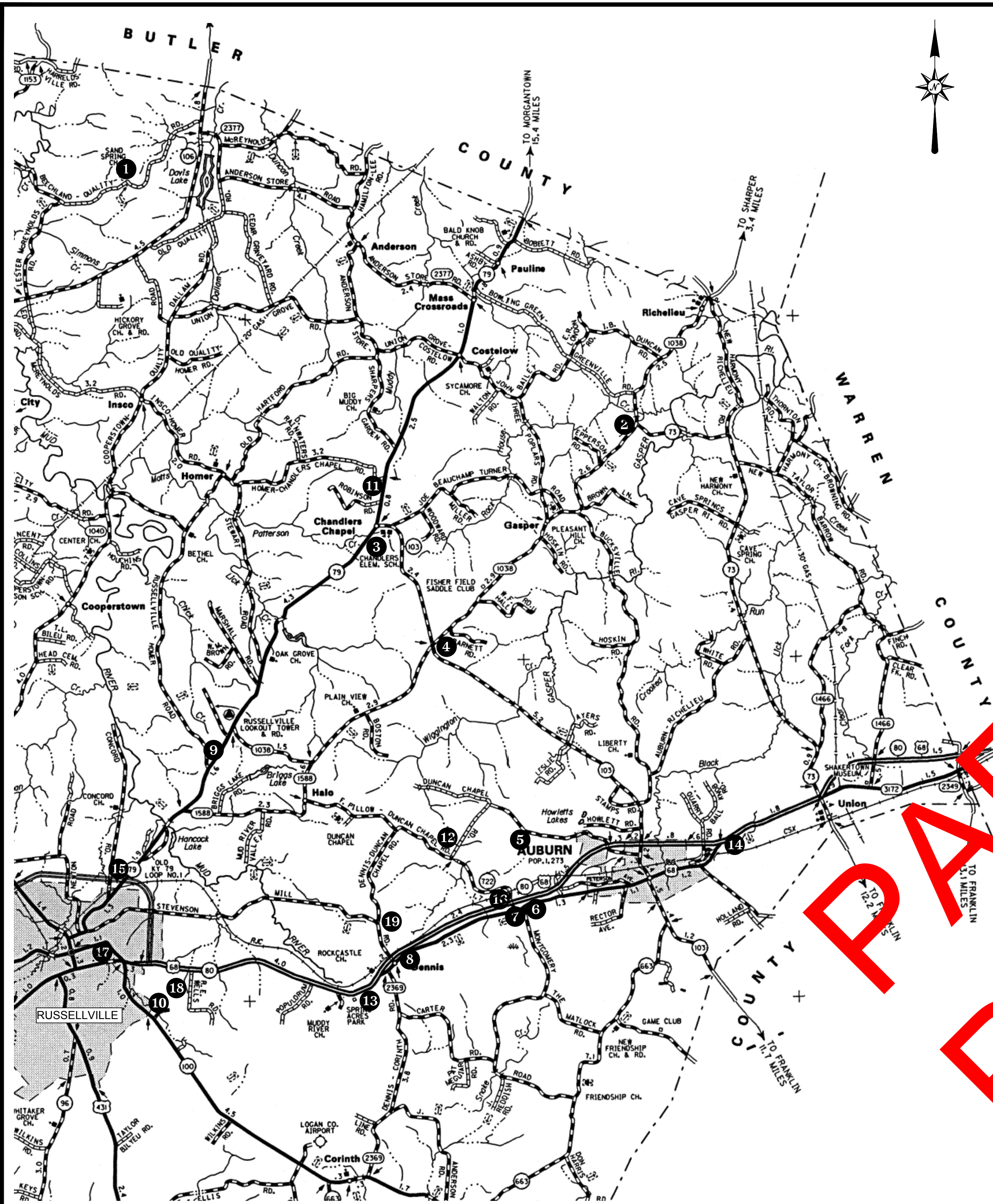
9.01 This Bid submitted by:

Submitted by:

PARTIAL PREVIEW

Signature	Business
Printed or Typed Name	Bidder's Business Address
Title	City, State, Zip Code
Employer's Tax ID No.	Business Phone No. Business Fax No.
Business Email Address	Cell Phone No. Other Contact No.

9.02 Bid submitted on _____, 2018.



ENVIRONMENTAL NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING, REMOVING AND DISPOSING OF TREES, BRUSH, STUMPS, ROOTS, AND WEEDS WITHIN THE CONSTRUCTION AREA AS REQUIRED FOR CONSTRUCTION OF THE FEATURES. AVOID CUTTING OF, OR DAMAGE TO MATURE TREES (DBH>5"), AND TREES NOT IN THE CONSTRUCTION AREA. MATURE TREES MAY ONLY BE REMOVED DURING THE PERIOD BETWEEN OCTOBER 15TH AND MARCH 31ST. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF TREES, SHRUBS, ETC. UNNECESSARILY DAMAGED OR REMOVED.

BASEMAP & SCALE NOTE:
 THE LOCATIONS OF EXISTING TOPOGRAPHIC FEATURES AND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PROJECT SITE PRIOR TO CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ASSUME THAT ALL FEATURES ARE IDENTIFIED AND INDICATED IN THEIR EXACT LOCATION. THE CONTRACTOR SHALL CONTACT "KENTUCKY UNDERGROUND PROTECTION, INC.", AS WELL AS OTHER UTILITIES, PIPELINE COMPANIES, ETC. POTENTIALLY HAVING UNDERGROUND LINES, UTILITIES, STRUCTURES, ETC.. IN THE AREA FOR VERIFICATION AND LOCATION PRIOR TO EXCAVATION.

EXISTING EAST LOGAN MASTER METER SITES								
Map ID	MASTER METER NAME	LOCATION BY ROADWAY	LATITUDE	LONGITUDE	Replace Turbo Meter? Y/N	Correct Drainage Issue? Y/N	New Precast Vault Req'd? Y/N	Power Source & Notes
1	Beechland Master Meter #1 East	Beechland-Quality Road near Tank	37° 22.54"N	86°52'4.26"W	Y (4")	N	N	Hard Wired back to Tank Site
2	Bucksville II Master Meter	KY Highway 1038 near KY Highway 73	36°58'10.39"N	86°43'3.96"W	Y (4")	N	N	Solar (Existing)
3	Chandlers Master Meter	KY Highway 79 (South of KY 103)	36°56'53.90"N	86°47'39.33"W	Y (4")	Y	N	Solar (Existing)
4	Bucksville I Master Meter	KY Highway 1038 @ KY Highway 103	36°55'11.69"N	86°46'38.36"W	Y (4")	Y	Y	AC (WRECC) (New)
5	Cemetery North Maser Meter	Cemetery Road near Tank	36°52'29.52"N	86°45'5.13"W	Y (4")	N	N	Hard Wired back to Tank Site
6	Cemetery South Master Meter	Cemetery Road near Tank	36°52'29.52"N	86°45'5.13"W	Y (4")	N	N	Hard Wired back to Tank Site
7	Montgomery Master Meter	Echo Valley Road @ Outdoor Furniture	36°51'19.95"N	86°45'0.06"W	Y (4")	N	N	Solar (Existing)
8	Friendship Master Meter	Echo Valley Road @ Body Shop	36°51'16.91"N	86°45'7.92"W	Y (4")	N	N	Solar (Existing)
9	Dennis/Corinth Master Meter	Echo Valley Road @ Dennis	36°50'31.67"N	86°47'20.96"W	Y (4")	N	Y (Dual)	AC (WRECC) (New)
10	Dennis Master Meter	Echo Valley Road @ Dennis	36°50'31.67"N	86°47'20.96"W	Y (4")	N	Y (Dual)	AC (WRECC) (New)
11	Homer Master Meter	Homer Road @ KY Highway 79	36°53'27.26"N	86°50'43.70"W	Y (3")	Y	N	Solar (Existing)
12	KY Highway 100 Master Meter	KY Highway 100 @ Tom Graham Road	36°49'49.19"N	86°51'39.05"W	Y (4")	Y	N	Solar (Existing)
13	ELWD: Chandlers BPS Site	KY 79 @ Homer Chapel Road	36°52'37.86"N	86°47'29.36"W	Y (3" Mag)	N	N	AC (WRECC)
14	ELWD: Duncan Chapel BPS	Duncan Chapel Rd @ Floyd Gipson Rd.	36°52'5.74"N	86°46'26.95"W	N	N	N/A	AC (WRECC)

PROPOSED OR ALTERNATE EAST LOGAN MASTER METER ADDITIONS								
Map ID	MASTER METER NAME	LOCATION BY ROADWAY	LATITUDE	LONGITUDE	New Meter Turbo/Mag?	Drainage Issue? Y/N	New Precast Vault Req'd? Y/N	Power Source & Notes
1	Beechland Master Meter #2 West	Beechland-Quality Road near Tank	37° 2'3.98"N	86°52'4.24"W	Magnetic (4")	N	Y	AC (Utilize Existing @ Tank)
2	Cemetery Tank Master Meter	Cemetery Road @ Tank	36°52'22.68"N	86°45'10.26"W	Magnetic (4")	N	Y	AC (Utilize Existing @ Tank)
3	KY Highway 79 North	KY 79 @ Homer Chapel Road	36°57'37.86"N	86°47'29.36"W	Turbo (4")	N	Y	AC (Utilize Existing @ BPS)
4	Dennis Tank Area Master Meter	US Highway 68; Downstream of LTRWC	36°50'12.99"N	86°47'36.35"W	Turbo (4")	N	Y	AC (Utilize Existing @ Pump)
5	Dennis Road Master Meter (ALT)	Dennis Road; 1/2 mile S. Duncan Chap.	36°51'8.74"N	86°47'38.97"W	Turbo (4")	N	Y	Solar (New)

EXISTING EAST LOGAN TODD - ELWD METERING POINTS				
Map ID	METER NAME	LOCATION BY ROADWAY	LATITUDE	LONGITUDE
1	LTRWC: Dennis Pump Station	US Highway 68	36°50'12.99"N	86°47'36.35"W
2	LTRWC: Shaker town Master Meter	US Highway 68E @ Auburn	36°52'16.16"N	86°41'15.45"W
3	LTRWC: KY 79 Master Meter	KY 79 (Morgantown Road) @ Bypass	36°57'59.02"N	86°52'3.67"W
4	LTRWC: Cemetery Road	US Highway 68 @ KY 722	36°52'37.86"N	86°45'11.95"W

OTHER POINTS OF REFERENCE				
Map ID	METER NAME	LOCATION BY ROADWAY	LATITUDE	LONGITUDE
1	Water District Office	333 S. Franklin Street, Russellville, KY	36°50'42.39"N	86°52'29.52"W
2	LTRWC: Russellville Tank Site	C. Dodson Lane, Russellville, KY	36°50'3.24"N	86°51'20.79"W

- GENERAL NOTES:**
- PIPE SHALL BE CLASS 350 DUCTILE IRON PIPE WITH RESTRAINED FITTINGS.
 - GATE VALVES SHALL CONFORM TO AWWA M99 AND SHALL HAVE MECHANICAL OR PUSH-ON JOINT ENDS. VALVES SHALL BE RATED FOR 200 PSI WORKING PRESSURE.
 - FITTINGS SHALL BE DUCTILE IRON CONFORMING TO AWWA C110. CONCRETE FOR THRUST BLOCKING SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
 - DETECTOR WIRE SHALL BE 12 GAUGE SOLID COPPER INSULATED WIRE. ATTACH WIRE TO THE TOP OF THE PIPE WITH DUCT TAPE.
 - THE PROPOSED LINE SHALL BE FLUSHED THOROUGHLY, FILLED WITH WATER AND PRESSURIZED TO 200 PSI FOR 4 HOURS. ANY LEAKAGE OBSERVED SHALL BE REPAIRED AND THE TEST REPEATED UNTIL THE ENGINEER DETERMINES THAT THE LINE IS ACCEPTABLE.
 - PRIOR TO BEING PLACED IN SERVICE, THE LINE SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA M651. THE CONTRACTOR SHALL PERFORM BACTERIOLOGICAL TESTING OF THE DISINFECTED LINE AND DELIVER TEST RESULTS INDICATING ACCEPTABLE DISINFECTION TO THE WATER UTILITY.
 - THE CONTRACTOR SHALL KEEP THE WORK AREA CLEAN AND ORDERLY AT ALL TIMES. ALL TRASH AND DEBRIS SHALL BE PICKED UP AND REMOVED FROM THE JOB SITE AT THE END OF EACH DAY.
 - CONTRACTOR SHALL COORDINATE WORK ON PRIVATE PROPERTY WITH THE PROPERTY OWNER. DISTURBANCE OF EXISTING FENCES SHALL BE HELD TO A MINIMUM, AND ANY FENCE DAMAGED BY CONSTRUCTION SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR SHALL CONTACT KY. UNDERGROUND PROTECTION, INC. AT (811), AS WELL AS OTHER UTILITIES, PIPELINE COMPANIES, ETC. POTENTIALLY HAVING UNDERGROUND LINES, UTILITIES, STRUCTURES, ETC. IN THE AREA FOR VERIFICATION AND LOCATION PRIOR TO EXCAVATION.
 - THE WATER UTILITY SHALL BE RESPONSIBLE FOR OBTAINING AND RECORDING NEW EASEMENTS PRIOR TO CONSTRUCTION ON ANY PRIVATE PROPERTIES. CONTRACTOR SHALL VERIFY EASEMENTS AND RIGHT OF ENTRY BEFORE BEGINNING CONSTRUCTION.
 - DISCONNECT AND REMOVE EXISTING TELEMETRY PANELS, DEVICES, AND OTHER MATERIALS WHICH ARE NOT INCORPORATED INTO OR UTILIZED WITHIN THE UPGRADED SCADA SYSTEM. ONCE THE NEW SYSTEM IS OPERATIONAL, REMOVE ALL ASSOCIATED CONDUIT AND WIRING, INCLUDING BUT NOT LIMITED TO, CONDUIT AND WIRING BETWEEN PANELS AND VAULTS PLUS REPLACED ANTENNAS.
 - CONTRACTOR TO FIELD VERIFY EXISTING PIPING LAYOUT AND SIZES PRIOR TO CONSTRUCTION.
 - ALL DISTURBED AREAS CREATED BY REMOVAL OF EQUIPMENT OR INSTALLATION OF NEW EQUIPMENT SHALL BE PATCHED OR GRADED & SEEDED TO MATCH CONDITIONS PRIOR TO CONSTRUCTION.

UTILITY CONTACTS

Ky. Underground Protection	811
AT&T (South Central Bell)	(800) 945-6500
Pennyrile Rural Electric Coop.	(800) 726-2479
Russellville Electric Plant Board	(270) 726-2466
Warren Rural Electric	(800) 844-1664
Texas Gas Pipeline	(800) 626-1948
Atmos (Western Kentucky Gas)	(270) 843-3393
KYTC District #3: Bowling Green	(270) 746-7898
Logan County Road Department	(270) 726-7480
Russellville Water & Sewer	(270) 726-5025

LEGEND

PROPOSED WATER PIPING	— — — — —
EXISTING EAST LOGAN WATER	— — — — —
EXISTING LOGAN TODD WATER	—LT—LT—LT—LT—
PROPERTY LINE	- - - - -
BURIED ELECTRIC SERVICE	—E—E—E—E—
EXISTING GAS MAIN	—GAS—GAS—
RESIDENTIAL METER	⊞
PHONE PEDESTAL	⊞
POWER/TELEPHONE POLE OR LIGHT POLE	•P/T •LP
GUY WIRE	∞
VALVE	⊗
FLUSH HYDRANT	⊗FH
BURIED BLOWOFF	⊞

05-01-18 CWW
 02-14-18 CWW
 FOR CONSTRUCTION
 FOR KOD REVIEW
 REVISIONS
 Date By

McGHEE ENGINEERING
 202 Ewing Street
 Guthrie, KY 42234
 (270) 483-9985

EAST LOGAN WATER DISTRICT
 333 South Franklin Street
 Russellville, KY 42276
 (270) 717-0991

FIRM: McGhee
 DES BY: CWW CHK BY: MWM
 DWN BY: CWW APP BY:
 SCALE: AS SHOWN
 PROJECT DATE: 2018
 PRINTED:
 LENGTH OF BAR IS 1" ON ORIGINAL DRAWING

East Logan Water District
 PHASE VI SYSTEM-WIDE
 SCADA IMPROVEMENTS
 Site Locations & General Information



February 14, 2018
 Chris Wilcutt, P.E.
 Chris Wilcutt, P.E.