

**Specifications and Contract Documents
Water System Expansion to Springfield, TN
Contract No. 3 – 24" Water Pipeline to Springfield**

prepared for the

**Logan/Todd
Regional
Water
Commission**



Chairman

John Mason Barnes

Board Members

Carroll Browning	Toddy Harper
A. Scott Marshall	Jo Ann Holder
Dea Part	Jacqie Boyd Weathers
Mark Stratton	Donna Blake
Dr. George Brown	Mike Hughes
Smoker Smotherman	Ann Schneider

prepared by

McChee Engineering, Inc.

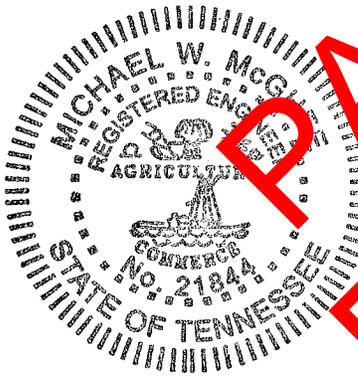
202 Ewing Street, P. O. Box 267
Guthrie, Kentucky 42234
(270) 483-9985

**Logan Todd Regional Water Commission
Water System Expansion to Springfield TN
Contract No. 3 – 24" Water Pipeline to Springfield**

PROJECT CERTIFICATION PAGE

I hereby certify that the portion of this technical submission described below was prepared by me or under my direct supervision and responsible charge. I am a duly registered Engineer under the laws of the State of Kentucky and State of Tennessee.

	<p style="text-align: right;"><u>Michael W. McGhee</u> <u>3/23/18</u> Engineer/Architect Signing Date</p> <p style="text-align: right;"><u>14440</u> <u>6/30/18</u> Kentucky License # Renewal Date</p> <p>Pages or Sheets covered by this Certification: <u>All</u></p> <p>Other Sections: _____</p>
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	<p style="text-align: right;"><u>Michael W. McGhee</u> <u>3/23/18</u> Engineer/Architect Signing Date</p> <p style="text-align: right;"><u>21844</u> <u>11/30/18</u> Tennessee License # Renewal Date</p> <p>Pages or Sheets covered by this Certification: <u>All</u></p> <p>Other Sections: _____</p>
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PARTIAL PRELIM

**Logan Todd Regional Water Commission
Water System Expansion to Springfield TN
Contract No. 3 – 24” Water Pipeline to Springfield
CONTRACT DOCUMENTS**

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Contract Drawings

Contract Drawings consist of 79 sheets bound separately from this document.
See the index on the cover sheet of the Contract Drawings.

ADVERTISEMENT FOR BIDS

Logan Todd Regional Water Commission
P.O. Box 400
248 Tower Street
Guthrie, KY 42234

RE: Water System Expansion to Springfield, TN: Contract No. 3 – 24” Water Pipeline to Springfield

The **Logan Todd Regional Water Commission** will receive separate, sealed Bids for their **Water System Expansion to Springfield, TN: Contract No. 3 – 24” Water Pipeline** until **2:30 p.m. (CDT), Wednesday, May 2, 2018** at the office of Logan Todd Regional Water Commission, 248 Tower Street, P.O. Box 400, Guthrie, Kentucky 42234, at which time they will be publicly opened and read aloud.

The work to be performed involves the installation of nearly 99,000 LF of 24-inch waterline from the Logan Todd Regional Water Commission's treatment plant in Guthrie, KY to the Mt. Deason Water Tank in Springfield, TN, plus it includes other appurtenances generally along US Highway 41 in Todd County (KY), Montgomery County (TN) and Robertson County (TN). **The Contractor shall be licensed to work in the State of Tennessee throughout the project.** Also included is the receipt of bids on certain materials that the Commission reserves the right to purchase directly. Bids will be received for a single prime Contract.

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. Prospective 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.

A pre-bid conference for all contracts will be held on Wednesday, April 25, 2018 at 2:00 P.M. (CST) in the office of Logan Todd Regional Water Commission, 248 Tower Street, Guthrie, Kentucky 42234. Attendance at any pre-bid conference is highly encouraged but is not mandatory.

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

Published by the authority of the Logan Todd Regional Water Commission
Kyle Hennes, Manager

Dated: March 22, 2018

BID FORM

Project Identification: Logan Todd Regional Water Commission's
Water System Expansion to Springfield, TN

Contract Identification: Contract No. 3 – 24" Water Pipeline to Springfield

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is Submitted to: Logan Todd Regional Water Commission
248 Tower Street; P.O. Box 400
Guthrie, Kentucky 42234

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.

1.03 The undersigned Bidder acknowledges that the OWNER reserves the right to purchase certain materials directly from the Contractor's Vendor in order to take advantage of sales tax savings. For those materials, the Contractor will be responsible for negotiating the purchase price, delivery arrangements, payment terms and all other details of the transaction with a materials vendor of his choosing, as long as the materials purchased comply fully with the specifications, and the terms do not conflict with the requirements set forth herein.

The Bidder's unit price for the installation of the proposed work shall include all costs of materials (i.e. those purchased by the Contractor and those that may be purchased by the OWNER) necessary for a complete installation. Sales tax shall be included with the Bidder's unit prices for all materials NOT purchased directly by the Owner. See Technical Specification 01-110.

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 will 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 any thing 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 BID

5.01 Bidder will compete the Work in accordance with the Contract Documents for the following prices:

Logan Todd Regional Water Commission Transmission Line					
Item No.	Item	Quantity	Units	Unit Price	Total Price
001	24-inch Class 250 DIP water line, in place and ready for use, including testing and clean up. <i>{Note pay limits per Spec 02-500, Section 2.0}</i>	26,985	LF	\$ _____	\$ _____
002	24-inch Restraining Gaskets for Class 250 Ductile Iron Pipe, installed in designated areas, in place, complete and ready for use.	140	EA	\$ _____	\$ _____
003	24-inch Class 200 DIP water line, in place and ready for use, including testing and clean up. <i>{Note pay limits per Spec 02-500, Section 2.0}</i>	71,523	LF	\$ _____	\$ _____
004	24-inch Restraining Gaskets for Class 200 Ductile Iron Pipe, installed in designated areas, in place, complete and ready for use.	200	EA	\$ _____	\$ _____
005	24-inch Class 350 DIP water line, in place and ready for use, including testing and clean up. <i>{Note pay limits per Spec 02-500, Section 2.0}</i>	239	LF	\$ _____	\$ _____
006	24-inch Restraining Gaskets for Class 350 Ductile Iron Pipe, installed in designated areas, in place, complete and ready for use.	14	EA	\$ _____	\$ _____
007	Red River Crossing, in place and ready for use including restraint collars & slow stabilization. <i>{in accordance with Spec 02-500, Section 2.0}</i>	239	LF	\$ _____	\$ _____
008	Final Cleanup of affected line route (Exclude Bores & paved areas) in accordance with Spec 02-500, Sect. 3.0 <i>{Note minimum unit price stipulation.}</i>	95,700	LF	\$ _____ <i>{\$2.00 Minimum}</i>	\$ _____
009	Steel cased Railroad bore, 36" casing (excluding 24" carrier) in place, complete & ready for use.	320	LF	\$ _____	\$ _____
010	Steel cased Highway bore, 36" casing (excluding 24" carrier) in place, complete & ready for use.	1,400	LF	\$ _____	\$ _____
011	Open Cut, Cased Road Crossing, 36" casing (excluding 24" carrier) in place, complete & ready for use.	165	LF	\$ _____	\$ _____
012	Pavement Replacement & Backfill of affected uncased pipeline route in accordance with Detail 2, Sheet D-2.	1,127	LF	\$ _____	\$ _____

013	Wide Stream Crossings of affected uncased pipeline route in accordance with TDEC/ACOE Permit and Detail 5, Sheet D-2.	360	LF	\$ _____	\$ _____
014	Shallow Ditch/Creek Crossing of affected uncased pipeline route in accordance with TDEC/ACOE permit and Detail 4, Sheet D-2.	585	LF	\$ _____	\$ _____
015	Wetland Crossing & Restoration of affected uncased pipeline route in accordance with TDEC/ACOE permit and Detail 9, Sheet D-1.	3,520	LF	\$ _____	\$ _____
016	Air Release Valve (2") & Box, including applicable fittings, in place, complete and ready for use.	13	EA	\$ _____	\$ _____
017	Combination Air Valve (3") & Vault including applicable fittings, in place, complete and ready for use.	5	EA	\$ _____	\$ _____
018	Large Flush Hydrant, including 6" gate valve, in place, complete and ready for use.	3	EA	\$ _____	\$ _____
019	Intermediate Blowoff Assembly, including 6" gate valve, in place, complete and ready for use.	3	EA	\$ _____	\$ _____
020	24" butterfly valve and box, including applicable fittings, in place, complete and ready for use.	6	EA	\$ _____	\$ _____
021	24" gate valve and box, including applicable fittings, in place, complete and ready for use.	1	EA	\$ _____	\$ _____
022	Remove appurtenance &/or connect to exist. 24-inch line/valve with applicable piping and fittings, in place, complete and ready for use.	1	EA	\$ _____	\$ _____
023	Construction Staking, Layout, and Record Survey and Drawings. {in accordance with Spec 01-900}	1	LS	\$ _____	\$ _____

TOTAL AMOUNT OF BID

\$ _____

5.02 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, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

5.03 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 No.	Item Description	Units	Unit Bid Price
S1	Unclassified undercut, where ordered by the Engineer.	CY	\$ _____.
S2	No. 57 aggregate refill, where ordered by the Engineer.	Ton	\$ _____.
S3	Class "B" concrete refill, where ordered by the Engineer. the Engineer	CY	\$ _____.
S4	Polyethylene Wrap of Ductile Iron Pipe, excluding pipe, where ordered by Engineer.	LF	\$ _____.
S5	Miscellaneous Waterline Marker installed, where ordered by Engineer	EA	\$ _____.

5.04 MATERIALS PURCHASED DIRECTLY BY OWNER: Provide bid pricing for materials to be purchased directly by the Owner (reference specification Section 01900). Contractor has included in the unit bid prices for the work under part 5.01, the following material costs:

Material Item	Vendor	Units	Unit Price
24-inch Class 200 Ductile Iron Pipe		LF	\$ _____
24-inch Class 250 Ductile Iron Pipe		LF	\$ _____
24-inch Class 350 Ductile Iron Pipe		LF	\$ _____
24-inch Restraining Gaskets for Ductile Iron Pipe		EA	\$ _____
36-inch Steel Casing Pipe		LF	\$ _____

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 15.0-Q, Exhibit A-1, Certification for Contracts, Grants, and Loans;
 - E. List of Subcontractors.
 - F. Statement of Experience
 - G. Statement pursuant to the Iran Divestment Act
 - H. Copy of the Bidder's State of Tennessee Contractors License.

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 Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

9.01 This Bid submitted by:

_____ 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.

Seal below (if required)

**PARTIAL
PREVIEW**

CONSTRUCTION PLANS

for the **WATER SYSTEM EXPANSION TO SPRINGFIELD, TN.**

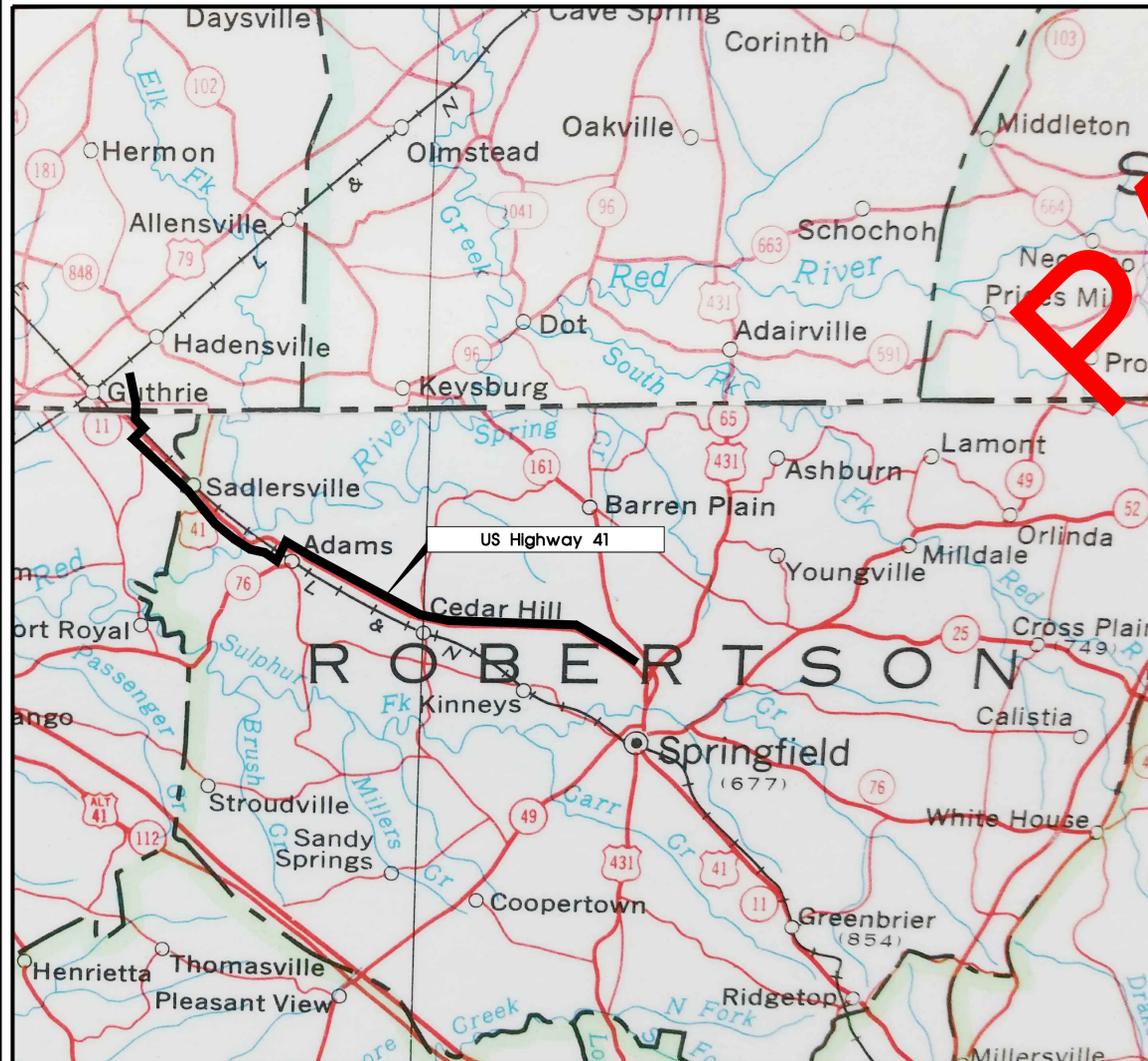
by the

Logan Todd Regional Water Commission

Todd County (KY), Montgomery County (TN) & Robertson County (TN)

VICINITY MAPS

SHEET INDEX



Contract No. 3

24-inch Water Pipeline



Logan Todd Regional Water Commission
248 Tower Street, PO Box 400
Guthrie, Kentucky 42234
(606) 483-6990

Board of Directors

Teddy Harper
Beaumont
Donna Baker
George Brown
Carol Brooking
Ann Schneiders

John Massey Barnes
Chairman

Mike Hughes
Jo Ann Holder
Scott Marshall
Smokey Smotherman
Mark Stratton
Jackie Weathers

System Manager

Kyle Kenner

Engineer

MCGHEE ENGINEERING, INC.
202 South Ewing St., PO Box 287 (270) 483-9885
Guthrie, Kentucky 42234 www.mcgheeengineering.com

No.	Revision	Date	By

REVISIONS

June 2016

PROJECT INFORMATION

- T-1 Title Sheet
- T-2 Location Sheet
- T-3 Location Sheet
- T-4 Location Sheet

WATER LINE PLAN

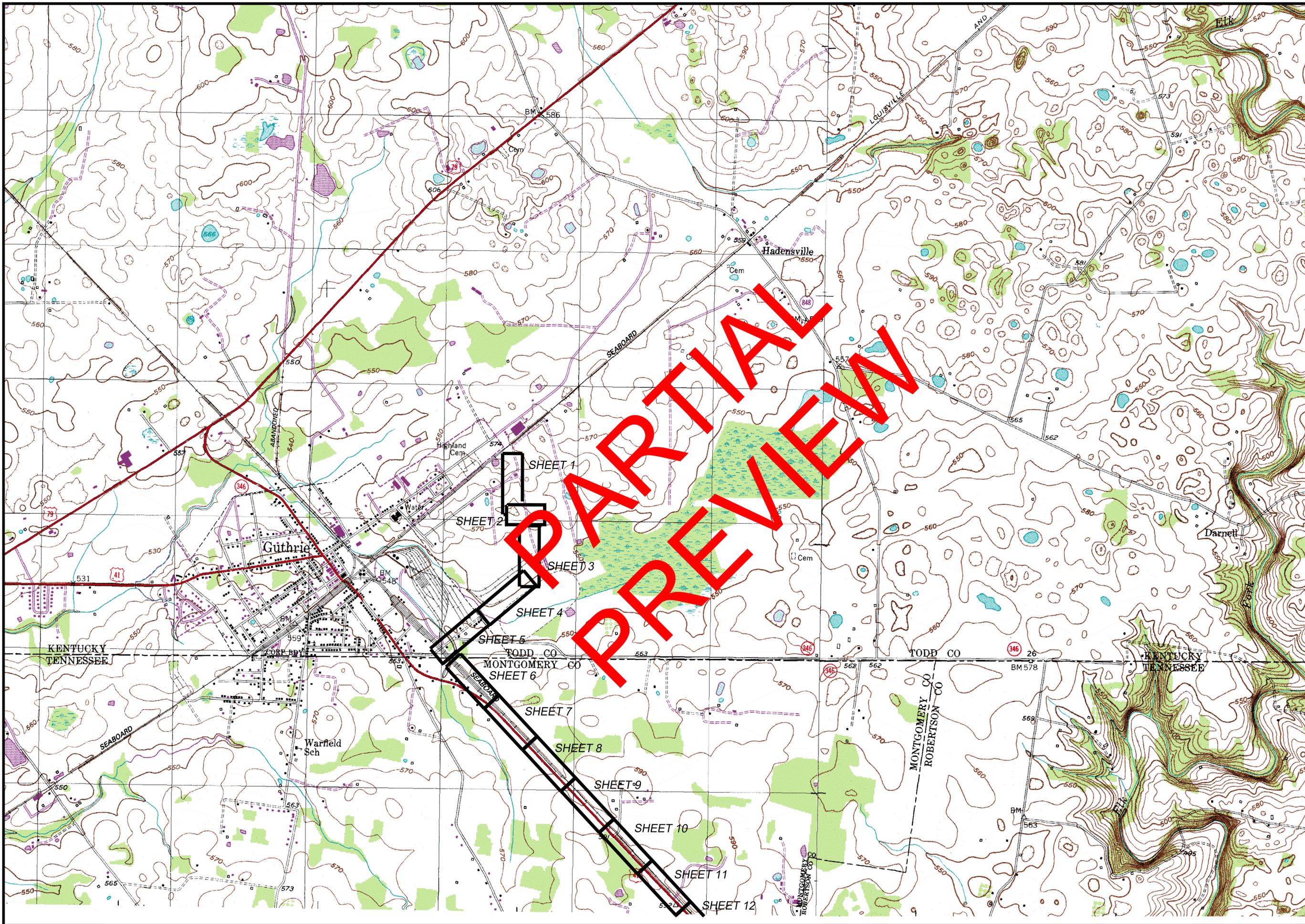
- P-1 LTRWC Water Line: Plan & Profile
- P-2 LTRWC Water Line: Plan & Profile
- P-3 LTRWC Water Line: Plan & Profile
- P-4 LTRWC Water Line: Plan & Profile
- P-5 LTRWC Water Line: Plan & Profile
- P-6 LTRWC Water Line: Plan & Profile
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- P-25 LTRWC Water Line: Plan & Profile
- P-26A LTRWC Water Line: Plan & Profile
- P-26B LTRWC Water Line: Profile (cont-)
- P-27 LTRWC Water Line: Plan & Profile
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- P-33 LTRWC Water Line: Plan & Profile
- P-34 LTRWC Water Line: Plan & Profile
- P-35 LTRWC Water Line: Plan & Profile

WATER LINE PLAN (cont-)

- P-36 LTRWC Water Line: Plan & Profile
- P-37 LTRWC Water Line: Plan & Profile
- P-38 LTRWC Water Line: Plan & Profile
- P-39 LTRWC Water Line: Plan & Profile
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WATER LINE DETAILS

- D-1 Waterline Details
- D-2 Waterline Details
- D-3 Waterline Details



REVISIONS	
No.	Date

MCGHEE
ENGINEERING
202 Ewing Street
Guthrie, KY 42234
(270) 483-9885

FIRM: McGhee
DES BY: MWM CHK BY: ETH
DWN BY: CWW APP BY:
SCALE: NONE
PROJECT DATE: 2015
PRINTED:
LENGTH OF BAR IS 1"
ON ORIGINAL DRAWING

Logan Todd Regional
Water Commission
**WATER SYSTEM EXPANSION
TO SPRINGFIELD (TN)**
LOCATION MAP



April 1, 2016
Professional Engineer Seal: Michael W. McGhee, P.E., License No. 14440
Michael W. McGhee, P.E.



N S E W	
FOR CDM/TEC REV. 04-01-16 Revision No. Date By	REVISIONS

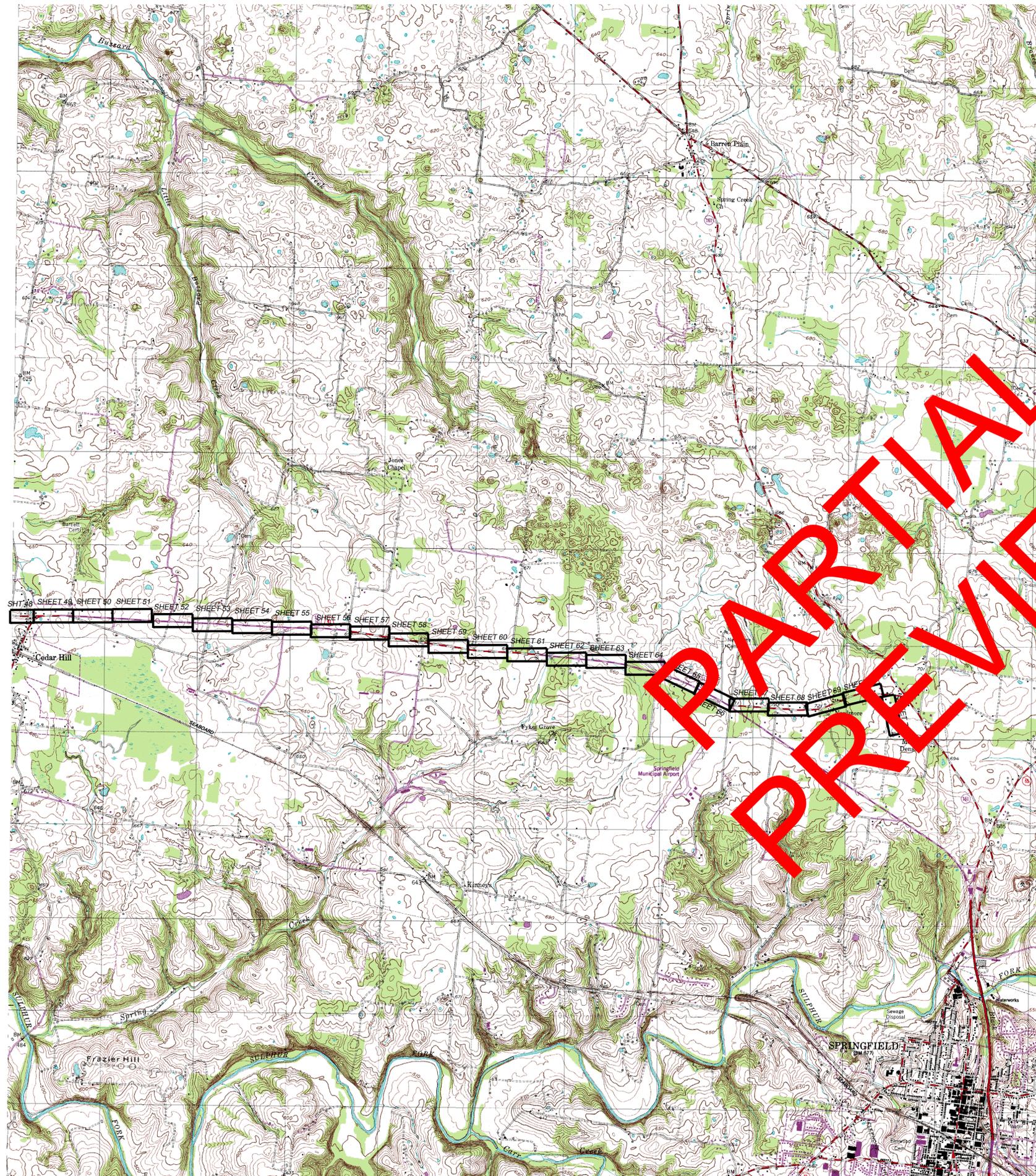
MCGHEE
 Engineering
 202 Ewing Street
 Guthrie, KY 40334
 (270) 483-9985

FIRM: McGhee
 DES BY: MMM CHK BY: ETH
 DWN BY: CWW APP BY:
 SCALE: NONE
 PROJECT DATE: 2015
 PRINTED:
 LENGTH OF BAR IS 1"
 ON ORIGINAL DRAWING

**Logan Todd Regional
 Water Commission**
**WATER SYSTEM EXPANSION
 TO SPRINGFIELD (TN)**
LOCATION MAP



April 1, 2016
Michael W. McGhee
 Michael W. McGhee, P.E.



REVISIONS	
No.	Date
1	04-01-16
2	
3	
4	
5	



FIRM: McGhee
 DES BY: MMM CHK BY: ETH
 DWN BY: CWW APP BY:
 SCALE: NONE
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Logan Todd Regional
 Water Commission
**WATER SYSTEM EXPANSION
 TO SPRINGFIELD (TN)**
 LOCATION MAP



April 1, 2016

Michael W. McGhee, P.E.
Michael W. McGhee, P.E.