

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

IN THE MATTER OF:

**ELECTRONIC APPLICATION OF WESTERN)
PULASKI COUNTY WATER DISTRICT FOR THE)
ISSUANCE OF A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY TO) Case No. 2021 - 00417
CONSTRUCT A WATER IMPROVEMENTS)
PROJECT PURSUANT TO THE PROVISIONS)
OF KRS 278.020 AND 807 KAR 5:001)**

**** *** **** ***** **** *** ****

APPLICATION

The Applicant, Western Pulaski County Water District ("Western Pulaski District"), files this Application pursuant to KRS 278.020, 807 KAR 5:001, and all other applicable laws and regulations, and requests that the Kentucky Public Service Commission (the "Commission") grant Western Pulaski District a Certificate of Public Convenience and Necessity ("CPCN") to construct a waterworks improvements project. In support of this Application, and in compliance with the rules and regulations of the Commission, Western Pulaski District states as follows:

1. Western Pulaski District was established in accordance with the provisions of Chapter 74 of the Kentucky Revised Statutes pursuant to an Order of the County Judge/Executive of Pulaski County, Kentucky which Order is on file in the County Court Order Books in the office of the Clerk of Pulaski County, Kentucky. Western Pulaski District is now, and has been since its inception, regulated by the Commission, and all records and proceedings of the Commission with reference

to Western Pulaski District are incorporated in this Application by reference. Western Pulaski District does not have any Articles of Incorporation due to the fact that it is a statutory entity.

2. The governing body of Western Pulaski District is its Board of Commissioners which is a public body corporate, with power to make contracts in furtherance of its lawful and proper purpose as provided for in KRS 74.070 and all applicable law and regulations.

3. The mailing address of Western Pulaski District is as follows:

Western Pulaski County Water District
c/o Ms. Tammy Vaught, Office Manager
2128 West Highway 80
Somerset, Kentucky 42503
Telephone: (606) 679-1569
Fax: (606) 677-9449
Email: tamora.vaught@gmail.com

4. A general description of Western Pulaski District's water system property, together with a statement of the original cost, is contained in Western Pulaski District's Annual Report for 2020 which is on file with the Commission. The Annual Report is incorporated herein by reference.

5. Pursuant to 807 KAR 5:001, Section 15 - Applications for Certificates of Public Convenience and Necessity, Western Pulaski District hereby responds as follows:

- (i) Section 15(2)(a): Facts Relied Upon to Show Public Necessity: See **Exhibit "A"** attached hereto which includes the public necessity of the project and a project description.
- (ii) Section 15(2)(b): Copies of Permits: The required permits for the Project are attached hereto as **Exhibit "B"**.
- (iii) Section 15(2)(c): Description of Proposed Location or Route. All construction will be confined to the northwestern and northern portions of

Western Pulaski District's system. The Western Pulaski District is the only supplier of potable water in this area of Pulaski County, therefore, the improvements will not compete with any other public utilities.


- (iv) Section 15(2)(d)(1) and (2): Maps to Suitable Scale and Plans and Specifications: a map showing the location of the proposed Project and the Plans and Specifications in .pdf format on electronic storage medium are being filed with this Application.
- (v) Section 15(2)(e) Financing: This Project is being financed with (i) a portion of a \$3,304,000 loan from the Kentucky Infrastructure Authority ("KIA") Federally Assisted Drinking Water Revolving Fund F16-003 ("Fund F Loan"); and (ii) a portion of a \$1,146,000 loan from the KIA Federally Assisted Drinking Water Revolving Fund loan B20-004 ("Fund B Loan"). The Fund F Loan was approved in **Case No. 2017-00063** which is incorporated herein by reference. The Fund B Loan was approved in **Case No. 2020-00331** which is incorporated herein by reference. A letter of Western Pulaski District to the Commission and letters from KIA approving the use of residual funds from the Fund B Loan and the Fund F Loan to construct the Project are attached hereto as **Exhibit "C"**.
- (vi) Section 15(2)(f) Estimated Cost of Operation: the estimated cost of operation of the system after the proposed Project is placed in service (Cash Flow Projections) is attached hereto as **Exhibit "D"**.

6. The letter of recommendation of Monarch Engineering, Western Pulaski District's engineer, along with a certified copy of the bid tabulations for the Project and the Final Project Budget are attached hereto as **Exhibit "E"**.


7. Western Pulaski District is not requesting a change in rates in connection with this Application.

WHEREFORE, the Western Pulaski District respectfully requests that the Commission issue a certificate of public convenience and necessity permitting the Applicant to construct the water system improvements project.

Western Pulaski County Water District

By 
Don Calder, Chairman
2128 West Highway 80
Somerset, Kentucky 42503
Telephone: (606) 679-1569
Fax: (606) 677-9449
Email: tamora.vaught@gmail.com

Rubin & Hays

By 
W. Randall Jones
Kentucky Home Trust Building
450 South Third Street
Louisville, Kentucky 40202
Phone: (502) 569-7525
Fax: (502) 569-7555
Counsel for Western Pulaski County Water District
Email: wrjones@rubinhays.com

STATE OF KENTUCKY)
) SS
COUNTY OF PULASKI)

The affiant, Don Calder, being first duly sworn, states: That he is the Chairman of the Western Pulaski County Water District, the Applicant in this case; that he has read the foregoing Application and has noted the contents thereof; that the same are true of his own knowledge and belief, except as to matters which are herein stated to be based on information or belief, and that these matters, believes to be true and correct.

IN TESTIMONY WHEREOF, witness the signature of the undersigned on the 12th day of November, 2021.



Don Calder, Chairman

SUBSCRIBED, SWORN TO AND ACKNOWLEDGED before me by Don Calder, Chairman of the Western Pulaski County Water District, on this the 12 day of November, 2021.

My Commission expires: 12/27/21.



NOTARY PUBLIC

EXHIBIT A

Public Necessity and Project Description

STATEMENT OF PUBLIC NECESSITY OF PROJECT

WESTERN PULASKI COUNTY WATER DISTRICT WATER SYSTEM IMPROVEMENTS & REPLACEMENTS: CONTRACT 3 – LEES FORD AREA

The project is Phase 3 of a \$3,304,000 loan from a KIA DWSRF F16-003 Loan and Phase 2 of a \$1,146,000 loan from a KIA DWSRF B20-004 Loan. The project entails the installation of 2,400 LF of 12-inch ductile iron water transmission main and appurtenances to replace existing 8-inch and 6-inch waterlines along Kentucky Highway 80 Right-of-Way.

The 12-inch water transmission main from KY Highway 80 to WTLO Road/KY 3261 will serve to transmit a large flow demand to the Lee's Ford Pump Station, which serves the Nancy, Faubush, and Jabez areas of western Pulaski County, KY. Nancy, Faubush, and Jabez are areas that have seen tremendous growth over the past 5-years due to location within the Lake Cumberland Recreational area. In addition, the 8-inch and 6-inch water lines along KY Highway 80 are in need of replacement due to being undersized, old, and dilapidating causing the District to continuously repairing leaks.

**WESTERN PULASKI COUNTY WATER DISTRICT
WATER SYSTEM IMPROVEMENTS & REPLACEMENTS
CONTRACT 3 – LEES FORD AREA
PROJECT DESCRIPTION**

The proposed project consisted of extending the 12-inch water transmission main from Kentucky Highway 80 Fishing Creek Bridge and along Kentucky Highway 80 to WTLO Road/KY Highway 3261 with approximately 11,750 LF of 12-inch ductile iron water line of which will be partially funded with residual funds from a Kentucky Infrastructure Authority (KIA) DWSRF Fund F16-003 and Fund B20-004. The project is intended to replace an existing 8-inch and 6-inch water line along KY Highway 80 with a 12-inch water line which will connect to the new Fishing Creek Bridge 12-inch waterline crossing (Fund B20-004 project) that was installed recently and then continuing east along Kentucky Highway 80 and then over to WTLO Road/KY Highway 3261 connecting to a new 12-inch water line on WTLO Road/KY Highway 3261 (Fund F16-003 project). The KIA residual funds approved in May 2021 were estimated to be approximately \$370,000 of F16-003 funds for 5,450 LF of new 12-inch waterline and \$240,000 of B20-004 funds for 1,125 LF of new 12-inch waterline. Since the approval to use residual funds from KIA, the remaining funds have decreased due to change orders and needs to the original projects funded by F16-003 and B20-004. It is now estimated that there is approximately \$328,408.48 of funds remaining in Fund F16-003 and \$101,269.76 remaining in Fund B20-004 for a total of \$429,678.24. This total funding is to be used to construct the Water System Improvements & Replacements: Contract 3 – Lees Ford Area project as described herein.

Due the residual funds available in the amount of \$429,678.24 and a steady increase in cost of materials that the industry has experienced over the past few months, the Western Pulaski County Water District decided to Advertise for Bids a portion of the project that will cover approximately 20% of the initial project described above. The proposed project, As-Bid, consists of 2,400 LF of 12-inch water line to extend the 12-inch water transmission main from the Kentucky Highway 80 Fishing Creek Bridge connection and east along Kentucky Highway 80 to a point that has been estimated to exhaust the residual funds from KIA Fund F16-003 and B20-004.

Other funds are being sought after to complete the remaining 9,350 LF of 12-inch waterline (Phase 2) that was originally intended to connect the 12-inch waterline from Kentucky Highway 80 Fishing Creek Bridge (B20-004) to WTLO Road/KY Highway 3261 (F16-003). See attached topo map and Final Project Budget.

EXHIBIT B

Required Permits

ANDY BESHEAR
GOVERNOR



REBECCA W. GOODMAN
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON
COMMISSIONER

300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601

October 6, 2021

Mr. Don Calder
Western Pulaski County Water District
1059 W KY 80
Somerset, KY 42503

RE: Contract 3- Lees Ford Area Water System
Improvements
F16-003
Pulaski County, KY
Western Pulaski Co Water District
AI #: 34092, FGL20210002

Dear Mr. Calder:

The Kentucky Division of Water (DOW) has reviewed for completeness and adequacy the construction plans and specifications submitted for the above referenced contract. The DOW now approves these plans and specifications with respect to sanitary features of design in accordance with the requirements contained in the attached construction permit. The plans include construction of approximately 11,750 feet of 12-inch DI Water main. The approval conditions and a list of eligible/ineligible items are enclosed. Please note that ineligible items cannot be funded using State Revolving Fund (SRF) monies, and must be paid by other funding sources.

We are enclosing one (1) set of approved plans and specifications. An identical set should be made available at the project site at all times. If modifications are made to these plans and specifications before bidding, two (2) complete sets of as-bid plans and specifications must be submitted to the DOW for approval. A second DOW construction approval must be issued by separate correspondence before proceeding with advertising for bids. Any red line changes that were made by DOW personnel on the approved plans shall be incorporated into the bid set plans unless an alternative is approved.

You may now advertise for bids on the construction of this project. In addition to other notifications, this project must be advertised in the newspaper of the largest daily circulation in the project area.

You are cautioned not to advertise unless you have a proper wage decision. The Federal Davis-Bacon wage rates are applicable for this project. Please contact all other funding sources for their requirements pertaining to federal wage rates.

You are reminded that the construction contracts are subject to the equal employment opportunity requirements contained in Executive Order 11246. Equal employment opportunity

Contract 3- Lees Ford Area Water System Improvements
F16-003
Western Pulaski Co Water District
AI #: 34092, FGL20210002
October 6, 2021
Page 2 of 3

affirmative action by the prime contractors and all subcontractors is mandated throughout the duration of the contract. Documentation of efforts to comply with Executive Order 11246, Equal Employment Opportunity is required to be kept by the borrower.

Review the attached Project Review and Cost Summary form for details of the information to be collected and retained in your files or to be submitted to DOW for review and approval. This form must be completed, signed by the recipient, and with the necessary information be then forwarded to the DOW. This signature will certify that all the information to be retained by the recipient has been secured and is available for review by the Division at the pre-construction conference. The required information must be approved by the DOW before executing any contracts.

Along with the Project Review and Cost Summary form, the following items must be submitted to the DOW for review and approval before executing any contracts:

- The bid advertisement
- Revised Project Budget
- Certified bid tabulation
- Documentation of compliance with DBE Good Faith Effort in accordance with 40 CFR 33.301

These items will be reviewed as a part of the Authority to Award process. The DOW will authorize you to award the contracts once these documents are approved

After the Notice to Proceed is signed, the DOW will need a copy of the executed contract documents, including plans and specifications.

Changes orders will require approval from the DOW before payment can be authorized from the State Revolving Fund. Submission of plans and specifications may be required for change order work.

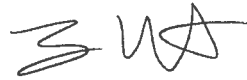
Upon completion of the project, as-built drawings shall be provided to the DOW. As-builts shall be stamped, signed and dated by a professional engineer. A written certification stating that the project was constructed according to the approved plans shall be provided to the DOW by a professional engineer.

The construction permit included in this letter has been issued under the provisions of KRS Chapter 224 and the regulations promulgated pursuant thereto. Issuance of this approval does not relieve the applicant from the responsibility of obtaining any other approvals, permits or licenses required by this Cabinet and other state, federal and local agencies.

You are cautioned that the advertisement and award of this contract will be subject to the laws and regulations that govern the State Revolving Fund (SRF) and to the conditions of your loan agreement. If we can be of further assistance, please call Mohammed Mohiuddin, Project Engineer, at (502) 782-7020 for technical review questions and Joel Murphy, SRF Project Administrator for SRF funding questions.

Sincerely,

Contract 3- Lees Ford Area Water System Improvements
F16-003
Western Pulaski Co Water District
AI #: 34092, FGL20210002
October 6, 2021
Page 3 of 3



Terry Humphries, P.E.
Supervisor, Engineering Section
Water Infrastructure Branch
Division of Water

TH: MM
Enclosures

Eligible List, Ineligible List, Approval Conditions
Project Review and Cost Summary Form
1 set plans and specification

C: Monarch Engineering, Inc.
Kentucky Infrastructure Authority
Cabinet for Economic Development
Pulaski County Health Department
Division of Plumbing

F16-003
Western Pulaski County Water District

SRF ELIGIBLE ITEMS:

Contract No. 3: No ineligible items determined

SRF INELIGIBLE ITEMS:

Contract No. 3: No ineligible items determined.

APPROVAL CONDITIONS:

1. Provide Clear Site Certificates
2. Complete and return the Project Review and Cost Summary Form.

PROJECT REVIEW AND COST SUMMARY

This questionnaire/checklist is furnished as an administrative aid and is required for use in supplying information and documents, reporting minor changes, and project status. The information and documents should be submitted to DOW as soon as possible after bid opening.

DRINKING WATER SRF

CLEAN WATER SRF

SECTION 1.

1. Project Name _____ Project Number _____
2. Changes: Have there been any changes in the project since DOW's approval of the plans and specifications?
- Yes No Construction Drawings. If yes, submit revised drawings and addenda. **See Note***
- Yes No Specifications. If yes, submit addenda. **See Note***
- Yes No Site Changes. If so, new Clear Site Certificates are required prior to start of construction.
- Yes No Authorized Representative (Mayor, City Manager, etc.). If so, provide name and title.

***Note:** Prior approval is required for changes in design, scope, type of treatment, size, capacity, time to complete the project, etc. Changes, which result in increase in the amount of a contract, must be procured in accordance with state and federal requirements, as applicable.

SECTION 2.

Date Bids Opened: _____ Date Bids Expire: _____

1. The following items should be submitted to DOW after bid opening:
- a) Executed Project Review & Cost Summary Form (this form).
 - b) Revised (As-bid) Budget (form attached).
 - c) Original bid advertisement or copy of advertisement with affidavit of publication.
 - d) Certified Bid Tabulations with engineer's seal.
 - e) Davis-Bacon ATA Certification form (with Project Wage Rate Sheet HUD-4720 form).
 - g) Clear Site Certificates.
 - h) DBE Documentation (See Attachment No. 11 of the Supplemental General Conditions (SGC)):
 - (1) Disadvantaged Business Enterprise Participation Policy form from the successful low bidder with DBE certifications and executed subcontracts with DBEs or letters of intent signed by both parties; and documentation on the level of effort taken

to obtain DBEs including copies of correspondence with DBE contractors, requesting quotes and copies of any advertisements soliciting DBE contractors, copies of returned envelopes and certified mail receipts, telephone log, etc.

(2) Bidder's List Form from recipient and successful bidder.

2. The following items must be submitted to DOW at the Pre-construction Meeting:

- a) Executed Contract Documents (once contract is signed).
- b) Notice of Award, Notice to Proceed, Bid Bond, Payment Bond, and Performance Bond (generally included in executed contract).
- c) Technical Specification (generally included in executed contract).
- d) Contractor's Certification Regarding Lobbying (See Attachment No. 11 in the SGC).
- e) Contractor's Debarred Firm Certification (See Attachment No. 10 in the SGC).

3. A copy of the items identified in Section 2.1 and Section 2.2, above, and the following must be retained by the owner. This documentation is subject for review, by DOW, at the time of the pre-construction conference.

- a) Name and qualifications of the proposed resident inspector(s).
- b) Proposal of the successful bidder(s).
- c) EEO documentation required by Executive Order 11246 as amended. Items 1 through 11 (See Attachment No. 7 in the SGC), is required for all contracts over \$10,000 except supplier contracts. Supplier contracts require:
 - (1) Name, address, and telephone number.
 - (2) Materials to be supplied and dollar value.For contracts below \$10,000, the same information required for supplier contracts must be submitted.
- d) Engineer's letter to the loan recipient recommending award of the contract. Letter must include a description of work, dollar amount, and name of the low bidder. If award is recommended to be made to other than the low bidder, a justification indicating why the low bidder is not responsive or responsible.
- e) Contractor project construction schedule and payment schedule.
- f) Applicable wage rate determination letter.
- g) Tentative Award Resolution.

4. **Comments:** _____

I hereby certify that all documentation outlined in Section 2.1, 2.2 and 2.3 will be retained in our project files and all documentation outlined in Section 2.1 has been submitted to DOW and all documentation outlined in Section 2.2 will be submitted to DOW during the Pre-construction meeting.

Signature of Authorized Representative

Date

Print Name and Title

SRF Project Cost Summary

Project Title: _____

WRIS#: _____

Project Budget: Estimated

As Bid

Revised

Cost Classification	SRF KIA Loan	Funding Source 1	Funding Source 2	Funding Source 3	Funding Source 4	Funding Source 5	Local Funds	Unfunded Costs	Total
1	Administrative Expenses								
2	Legal Expenses								
3	Land, Appraisals, Easements								
4	Relocation Expenses & Payments								
5	Planning								
6	Engineering Fees – Design								
7	Engineering Fees – Construction								
8	Engineering Fees – Inspection								
9	Engineering Fees – Other								
10	Construction								
11	Equipment								
12	Miscellaneous								
13	Contingencies								
	Total								

Funding Sources	Amount	Date Committed
1		
2		
3		
4		
5		
	Total	

Local Funding Sources	Amount	Date Committed
1		
2		
3		
	Total	

Total Funding \$ _____

Cost Categories	Funding Source	Total Cost
Treatment (DW)		
Transmission and Distribution (DW)		
Source (DW)		
Storage (DW)		
WWTP Secondary Portion (CW)		
WWTP Advanced Portion (CW)		
Inflow and Infiltration Correction (CW)		
Major Sewer Rehabilitation (CW)		
Collector Sewers (CW)		
Interceptor Sewers including Pump Station (CW)		
Combined Sewer Overflow Correction (CW)		
Purchase of Systems (DW and CW)		
Restructuring (DW and CW)		
Land Acquisition (DW and CW)		
	Total Costs	

Distribution-Major Construction

Western Pulaski Co Water District

Facility Requirements

Activity ID No.:APE20210003

Page 1 of 4

PORT0000000119 (Lees Ford Area WSI - Contract 3) 11,750 feet of 12-inch DI Water main:

Narrative Requirements:

Condition No.	Condition
T-1	Construction of this project shall not result in the water system's inability to supply consistent water service in compliance with 401 KAR 8:010 through 8:600. [401 KAR 8:100 Section 5]
T-2	The public water system shall not implement a change to the approved plans without the prior written approval of the cabinet. [401 KAR 8:100 Section 4(3)]
T-3	A proposed change to the approved plans affecting sanitary features of design shall be submitted to the cabinet for approval in accordance with Section 2 of this administrative regulation. [401 KAR 8:100 Section 4(2)]
T-4	During construction, a set of approved plans and specifications shall be available at the job site. Construction shall be performed in accordance with the approved plans and specifications. [401 KAR 8:100 Section 3(1)]
T-5	Unless construction begins within two (2) years from the date of approval of the final plans and specifications, the approval shall expire. [401 KAR 8:100 Section 3(3)]
T-6	Upon completion of construction, a professional engineer shall certify in writing that the project has been completed in accordance with the approved plans and specifications. [401 KAR 8:100 Section 4(1)]
T-7	The system shall be designed to maintain a minimum pressure of 20 psi at ground level at all points in the distribution system under all conditions of flow. [Recommended Standards for Water Works 8.2.1, Drinking Water General Design Criteria IV.1.a]
T-8	Water lines should be hydraulically capable of a flow velocity of 2.5 ft/s while maintaining a pressure of at least 20 psi. [Drinking Water General Design Criteria IV.1.b]
T-9	The normal working pressure in the distribution system at the service connection shall not be less than 30 psi under peak demand flow conditions. Peak demand is defined as the maximum customer water usage rate, expressed in gallons per minute (gpm), in the pressure zone of interest during a 24 hour (diurnal) time period. [Drinking Water General Design Criteria IV.1.d]
T-10	When static pressure exceeds 150 psi, pressure reducing devices shall be provided on mains or as part of the meter setting on individual service lines in the distribution system. [Drinking Water General Design Criteria IV.1.c]
T-11	The minimum size of water main in the distribution system where fire protection is not to be provided should be a minimum of three (3) inch diameter. Any departure from minimum requirements shall be justified by hydraulic analysis and future water use, and can be considered only in special circumstances. [Recommended Standards for Water Works 8.2.2, Drinking Water General Design Criteria IV.2.b]

Distribution-Major Construction

Western Pulaski Co Water District

Facility Requirements

Activity ID No.:APE20210003

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PORT0000000119 (Lees Ford Area WSI - Contract 3) 11,750 feet of 12-inch DI Water main:

Narrative Requirements:

Condition No.	Condition
T-12	Water mains not designed to carry fire-flows shall not have fire hydrants connected to them. [Recommended Standards for Water Works 8.4.1.b]
T-13	Flushing devices should be sized to provide flows which will give a velocity of at least 2.5 feet per second in the water main being flushed. [Recommended Standards for Water Works 8.2.4.b, Recommended Standards for Water Works 8.4.1.b]
T-14	No flushing device shall be directly connected to any sewer. [Recommended Standards for Water Works 8.2.4.b, Recommended Standards for Water Works 8.4.1.b]
T-15	Pipe shall be constructed to a depth providing a minimum cover of 30 inches to top of pipe. [Drinking Water General Design Criteria IV.3.a]
T-16	Water mains shall be covered with sufficient earth or other insulation to prevent freezing. [Recommended Standards for Water Works 8.7]
T-17	A continuous and uniform bedding shall be provided in the trench for all buried pipe. Backfill material shall be tamped in layers around the pipe and to a sufficient height above the pipe to adequately support and protect the pipe. Stones found in the trench shall be removed for a depth of at least six inches below the bottom of the pipe. [Recommended Standards for Water Works 8.7]
T-18	Water line installation shall incorporate the provisions of the AWWA standards and/or manufacturer's recommended installation procedures. [Recommended Standards for Water Works 8.7]
T-19	All materials used for the rehabilitation of water mains shall meet ANSI/NSF standards. [Recommended Standards for Water Works 8.1]
T-20	Packing and jointing materials used in the joints of pipe shall meet the standards of AWWA and the reviewing authority. [Recommended Standards for Water Works 8.1]
T-21	All tees, bends, plugs and hydrants shall be provided with reaction blocking, tie rods or joints designed to prevent movement. [Recommended Standards for Water Works 8.7]
T-22	All materials including pipe, fittings, valves and fire hydrants shall conform to the latest standards issued by the ASTM, AWWA and ANSI/NSF, where such standards exist, and be acceptable to the Division of Water. [Recommended Standards for Water Works 8.1]
T-23	Water mains which have been used previously for conveying potable water may be reused provided they meet the above standards and have been restored practically to their original condition. [Recommended Standards for Water Works 8.1]

Distribution-Major Construction
Western Pulaski Co Water District
Facility Requirements

Activity ID No.:APE20210003

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PORT0000000119 (Lees Ford Area WSI - Contract 3) 11,750 feet of 12-inch DI Water main:

Narrative Requirements:

Condition No.	Condition
T-24	Manufacturer approved transition joints shall be used between dissimilar piping materials. [Recommended Standards for Water Works 8.1]
T-25	The minimum size of water main which provides for fire protection and serving fire hydrants shall be six?inch diameter. [Recommended Standards for Water Works 8.2, Drinking Water General Design Criteria IV.2.a]
T-26	Pipes and pipe fittings containing more than 8% lead shall not be used. All products shall comply with ANSI/NSF standards. [Recommended Standards for Water Works 8.1]
T-27	Gaskets containing lead shall not be used. Repairs to lead?joint pipe shall be made using alternative methods. [Recommended Standards for Water Works 8.1]
T-28	Pipe materials shall be selected to protect against both internal and external pipe corrosion. [Recommended Standards for Water Works 8.1]
T-29	Dead end mains shall be equipped with a means to provide adequate flushing. [Recommended Standards for Water Works 8.2]
T-30	The hydrant lead shall be a minimum of six inches in diameter. Auxiliary valves shall be installed on all hydrant leads. [Recommended Standards for Water Works 8.4.3]
T-31	A sufficient number of valves shall be provided on water mains to minimize inconvenience and sanitary hazards during repairs. [Recommended Standards for Water Works 8.3]
T-32	Wherever possible, chambers, pits or manholes containing valves, blow?offs, meters, or other such appurtenances to a distribution system, shall not be located in areas subject to flooding or in areas of high groundwater. Such chambers or pits should drain to the ground surface, or to absorption pits underground. The chambers, pits and manholes shall not connect directly to any storm drain or sanitary sewer. Blow?offs shall not connect directly to any storm drain or sanitary sewer. [Recommended Standards for Water Works 8.6]
T-33	At high points in water mains where air can accumulate provisions shall be made to remove the air by means of air relief valves. [Recommended Standards for Water Works 8.5.1]
T-34	Automatic air relief valves shall not be used in situations where flooding of the manhole or chamber may occur. [Recommended Standards for Water Works 8.5.1]
T-35	The open end of an air relief pipe from automatic valves shall be extended to at least one foot above grade and provided with a screened, downward?facing elbow. [Recommended Standards for Water Works 8.5.2.c]

Distribution-Major Construction

Western Pulaski Co Water District

Facility Requirements

Activity ID No.:APE20210003

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PORT0000000119 (Lees Ford Area WSI - Contract 3) 11,750 feet of 12-inch DI Water main:

Narrative Requirements:

Condition No.	Condition
T-36	Discharge piping from air relief valves shall not connect directly to any storm drain, storm sewer, or sanitary sewer. [Recommended Standards for Water Works 8.5.2.d]
T-37	Water pipe shall be constructed with a lateral separation of 10 feet or more from any gravity sanitary or combined sewer measured edge to edge where practical. If not practical a variance may be requested to allow the water pipe to be installed closer to the gravity sanitary or combined sewer provided the water pipe is laid in a separate trench or undisturbed shelf located on one side of the sewer with the bottom of the pipe at least 18 inches above the top of the gravity sanitary or combined sewer pipe. [Drinking Water General Design Criteria IV.3.b]
T-38	Water lines crossing sanitary, combined or storm sewers shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sanitary, combined or storm sewer with preference to the water main located above the sanitary, combined or storm sewer. [Drinking Water General Design Criteria IV.3.c]
T-39	At crossings, one full length of water pipe shall be located so both joints will be as far from the sewer as possible. [Recommended Standards for Water Works 8.8.3.b]
T-40	There shall be no connection between the distribution system and any pipes, pumps, hydrants, or tanks whereby unsafe water or other contaminating materials may be discharged or drawn into the system. [Recommended Standards for Water Works 8.10.1]
T-41	Water utilities shall have a cross connection program conforming to 401 KAR 8. [Recommended Standards for Water Works 8.10.1]
T-42	Installed pipe shall be pressure tested and leakage tested in accordance with the appropriate AWWA Standards. [Recommended Standards for Water Works 8.7.6]
T-43	New, cleaned and repaired water mains shall be disinfected in accordance with AWWA Standard C651. The specifications shall include detailed procedures for the adequate flushing, disinfection, and microbiological testing of all water mains. In an emergency or unusual situation, the disinfection procedure shall be discussed with the Division of Water. [Recommended Standards for Water Works 8.7.7]
T-44	A minimum cover of five feet shall be provided over pipe crossing underwater. [Recommended Standards for Water Works 8.9.2]
T-45	Valves shall be provided at both ends of water crossings so that the section can be isolated for testing or repair; the valves shall be easily accessible, and not subject to flooding for pipes crossing underwater. [Recommended Standards for Water Works 8.9.2.b]
T-46	Permanent taps or other provisions to allow insertion of a small meter to determine leakage and obtain water samples on each side of the valve closest to the supply source for pipes crossing. [Recommended Standards for Water Works 8.9.2.c]



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET

transportation.ky.gov

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

Western Pulaski County Water District
2128 W Highway 80
Somerset, KY 42503

Subject: Pulaski County
KY 80
MP 100-0080-12.11
Permit: 08-2021-00301

Dear Sir:

The attached is your copy of the approved encroachment permit application. One copy is to be submitted to your contractor. This permit is to remain on the project until the permitted work is complete.

You are to shape and seed any disturbed areas on the State's right of way. All work and materials are to comply with the Department's Standard Specification for Road and Bridge Construction- 2019 Edition. Signs, barricades, lights, etc. if required, are to be installed in accordance with the Manual on Uniform Traffic Control Devices.

Please notify this office when permitted work begins. When work has been completed, the Notice of Completion of Encroachment Permit Work must be completed and returned so an inspection can be made by personnel from this office. If all work has been completed satisfactorily, your indemnity will then be released.

Yours truly,

Adam Dixon

Adam Dixon, P.E.
Transportation Engineer I
District 8- Somerset

10/5/2021
Date

JJ/cm



Kentucky Transportation Cabinet
 Department of Highways
 Division of Maintenance
 Permits Branch

TC 99-1 (B)
 07/2018
 Page 1 of 1

ENCROACHMENT PERMIT

KYTC KEPT #: 08-2021-00301

Permittee: Western Pulaski Water District

Permit Type / Subtype: Utilities / Water

Work Completion Date: 10/31/2022

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$0.00	
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

This permit has been: **APPROVED** **DENIED**

Adam Dixon	D8 Permits	10/5/2021
SIGNATURE	TITLE	DATE

The TC 99-1(B), including the application TC-99 1(A) and all related and accompanying documents and drawings make up the permit. It is not a permit unless both the TC 99-1(A) and TC 99-1(B) are both present.

LOCATION(S)			
Description	County - Route	Latitude	Longitude
	Pulaski - KY 80	37.056441	-84.675843
Bore	Pulaski - KY 80	37.052997	-84.707363
Bore	Pulaski - KY 80	37.064374	-84.674498

NOT IN THIS PROJECT



To Submit a Locate Request
 24 Hours a Day, Seven Days a Week:
 Call 811 or 800-752-6007

NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

PERMITTEE

Name: Western Pulaski Water District
Contact Person: Joe McClendon
Address: 2128 West Highway 80
City: Somerset
State: Kentucky
Zip: 42503
Telephone:

PROJECT IDENTIFICATION

Permit Number: 08-2021-00301

I wish to notify the Department of Highways that the above mentioned permit work and any necessary right-of-way restoration have been completed and are ready for final inspection.

Permittee

Please return this form to the address below when work is completed and ready for final inspection.

Please Return to: Permit Engineer
Department of Highways, District 8 Office
1660 South US 27
Somerset, Kentucky 42502
(606) 677-4017
www.transportation.ky.gov/

LOCATION(S)			
Description	County - Route	Latitude	Longitude
	Pulaski - KY 80	37.056441	-84.675843
Bore	Pulaski - KY 80	37.052997	-84.707363
Bore	Pulaski - KY 80	37.064374	-84.674498

NOT IN THIS PROJECT

Kentucky Transportation Cabinet – District 8
Permit No. 08-2021-00301

LEFT

Applicant to parallel underground right of KY 80 from mile point 14.11 to 14.64 in Pulaski County with 12 inch Ductile Iron water line as per attached plans and encroachment terms.

~~Applicant to parallel underground left of KY 80 from mile point 14.64 to 15.17 in Pulaski County with 12 inch Ductile Iron water line as per attached plans and encroachment terms.~~

NOT IN THIS PROJECT

~~Applicant to bore across KY 80 at mile point 12.11 and 14.64 in Pulaski County for a 12-inch Ductile Iron water line as shown on attached plans, encroachment terms, and Typical Highway Boring Detail.~~

Locations where utility line crosses paved or concrete driveways, the utility line shall be bored to prevent disturbance to the driving surface unless prior written approval is obtained from the property owners.

Underground utility crossing shall be constructed with 42 inches of cover from the top of the pipe to the low spot of the ditch or toe of slope as shown on the attached Typical Highway Boring Crossing Detail.

Parallel utility lines shall be constructed between back of slope of ditch line or toe of slope and the right of way line and shall have a minimum of 42 inches cover above the top of pipe or conduit.

Roadway drainage shall be maintained at all times, with silt checks placed in the roadway ditch where needed and near the inlet of all culvert and entrance pipe to control erosion and prevent silt from settling inside of pipe.

No change shall be made contrary to this permit and the applicant's plans without first notifying and being approved by the Permit Engineer.

Construction of the utility shall not interfere with any construction or maintenance operations of the Kentucky Transportation Cabinet on KY 80.

All work and materials shall meet or exceed the Kentucky Department of Highways Standard Specifications.

All disturbed portions of the right-of-way are to be restored to grass as per Kentucky Department of Highways Standard Specifications for Road and Bridge Construction, 2019 edition. A satisfactory turf, as determined by the Department, is to be established by the permittee prior to release of indemnity.

The minimum rate of application for seeding and protection method II per 1,000 square feet shall be applied as follows:

2.5 lbs of seed mixture
12 lbs of 20-10-10 fertilizer
150 lbs of agricultural limestone

Work area within the Kentucky Department of Highways right of way shall be signed and flagged in accordance to the Manual on Uniform Traffic Control Devices before any work is to begin on the Kentucky Department of Highways right of way.

Contractor's equipment or other vehicles shall not be permitted to park on the roadway shoulders during the construction of this project without compliant traffic control.

This permit will be terminated and work will stop immediately at anytime the Department of Highways discovers or is notified of any unsafe or hazardous condition until corrections have been made.



APPLICATION FOR ENCROACHMENT PERMIT

KYTC KEPT #: 08-2021-00301

SECTION 1: APPLICANT CONTACT INFORMATION

APPLICANT WESTERN PULASKI CO. WATER DISTRICT		ADDRESS 2128 W. HIGHWAY 80		
EMAIL tamora.vaught@gmail.com	CITY SOMERSET	STATE KENTUCKY	ZIP 42603	
CONTACT NAME 1 JOE McCLENDON		EMAIL joe-mcclendon@hotmail.com		PHONE # 606-679-1569
				CELL # 606-271-8258
CONTACT NAME 2 (if applicable) TAMMY VAUGHT		EMAIL tamora.vaught@gmail.com		PHONE # 606-679-1569
				CELL #

SECTION 2: PROPOSED WORK LOCATION

ADDRESS KENTUCKY HIGHWAY 80		CITY SOMERSET	STATE Kentucky	ZIP 42603
COUNTY PULASKI	ROUTE # 80	MILE POINT 14.14 to 15.17	LONGITUDE (X) 84° 40' 21.88" W	LATITUDE (Y) 37° 03' 21.70" N

ADDITIONAL LOCATION INFORMATION:

FOR KYTC USE ONLY

PERMIT TYPE: Air Right Entrance Utilities Vegetation Removal Other

ACCESS: Full Partial by Permit **LOCATION:** Left Right Crossing

SECTION 3: GENERAL DESCRIPTION OF WORK

- 1) M.P. 12.11, X-ing: Install 50 LF of bore & case for 3" PVC water line under KY 80. Encasement pipe shall be 8" diameter steel.
- 2) M.P. 14.14 to 14.64: Install 12" Ductile Iron water line on the left hand side of KY 80 for approximately 3,400 LF along ROW as shown on the Plan Sheets.
- 3) M.P. 14.64, X-ing: Install 50 LF of bore & case for 12" Ductile Iron water line under KY 80. Encasement pipe shall be 20" diameter steel.
- 4) M.P. 14.64 to 15.17: Install 12" Ductile Iron water line on the right hand side of KY 80 for approximately 2,800 LF along ROW as shown on the Plan Sheets.

SEE ATTACHMENTS ^{A D}

THE UNDERSIGNED APPLICANT(s), being duly authorized representative(s) or owner(s), DO AGREE TO ALL ORIGINAL UNEDITED TERMS AND CONDITIONS ON THE TC 99-1A, pages 1-4.



 SIGNATURE

7/7/21

 DATE

This is not a permit unless and until the applicant(s) receives an approved TC 99-1B from KYTC. This application shall become void if not approved by the cancellation date. The cancellation date shall be a minimum of one year from the date the applicant submits their application.



APPLICATION FOR ENCROACHMENT PERMIT

TERMS AND CONDITIONS

1. The permit, including this application and all related and accompanying documents and drawings making up the permit, remains in effect and is binding upon the Applicant/Permittee, its successors and assigns, as long as the encroachment(s) exists and also until the permittee is finally relieved by the Department of Highways from all its obligations.
2. Applicant shall meet all requirements of the Clean Water Act if the project will disturb one acre or more, the applicant shall obtain a KPDES KYR10 Permit from the Kentucky Division of Water. All disturbed areas shall meet the requirements of the Department of Highway's Standard Specifications, Sections 212 and 213, as amended.
3. **INDEMNITY:**
 - A. **PERFORMANCE BOND:** The permittee shall provide to the Department a performance bond according to the Permits Manual, Section PE-203 as a guarantee of conformance with the Department's Encroachment Permit requirements.
 - B. **PAYMENT BOND:** At the discretion of the department, a payment bond shall be required of the permittee to ensure payment of liquidated damages assessed to the permittee.
 - C. **LIABILITY INSURANCE:** Liability insurance shall be required of the permittee (in an amount approved by the department) to cover all liabilities associated with the encroachment.
 - D. It shall be the responsibility of the permittee, its successors and assigns, to maintain all indemnities in full force and effect until the permittee is authorized to release the indemnity by the Department.
4. A copy of this application and all related documents making up the approved permit shall be given to the applicant and shall be made readily available for review at the work site at all times.
5. Perpetual maintenance of the encroachment is the responsibility of the permittee, its successors and assigns, with the approval of the Department as required, unless otherwise stated.
6. Permittee, its successors and assigns, shall comply with and agree to be bound by the requirements and terms of (a) this application and all related documents making up the approved permit, (b) by the Department's Permits Manual, and (c) by the Manual on Uniform Traffic Control Devices, both manuals as revised to and in effect on the date of issuance of the permit, all of which documents are made a part thereof by this reference. Compliance by the permittee, its successors and assigns, with subsequent revisions to applicable provisions of either manual or other policy of the Department may be made a condition of allowing the encroachment to persist under the permit.
7. Permittee agrees that this and any encroachment may be ordered removed by the Department at any time, and for any reason, upon thirty days written notice to the last known address of the applicant or to the address at the location of the encroachment. The permittee agrees that the cost of removing and of restoring the associated right-of-way is the responsibility of the permittee, its successors and assigns.
8. Permittee, its successors and assigns, agree that if the Department determines that motor vehicular safety deficiencies develop as a result of the installation or use of the encroachment, the permittee, its successors and assigns, shall provide and bear the expenses to adjust, relocate, or reconstruct the facilities, add signs, auxiliary lanes, or other corrective measures reasonably deemed necessary by the Department within a reasonable time after receipt of a written notice of such deficiency. The period within which such adjustments, relocations, additions, modifications, or other corrective measures must be completed will be specified in the notice.
9. Where traffic signals are required as a condition of granting the requested permit or are thereafter required to correct motor vehicular safety deficiencies, as determined by the Department, the costs for signal equipment and installation(s) shall be borne by the permittee, its successors and assigns and the Department in its reasonable discretion and only in accordance with the Department's current policy set forth in the Traffic Operations Manual and Permits Manual. Any modifications to the permittee's entrance necessary to accommodate signalization (including necessary easement(s) on private property) shall be the responsibility of the permittee, its successors and assigns, at no expense to the Department.



APPLICATION FOR ENCROACHMENT PERMIT

10. The requested encroachment shall not infringe on the frontage rights of an abutting owner without their written consent as hereinafter described. Each abutting owner shall express their consent, which shall be binding on their successors and assigns, by the submission of a notarized statement as follows, "I (we), _____, hereby consent to the granting of the permit requested by the applicant along Route _____, which permit does affect frontage rights along my (our) adjacent real property." By signature(s) _____, subscribed and sworn by _____, on this date _____.
11. The permit, if approved, is subject to the agreement that it shall not interfere with any similar rights or permit(s) previously granted to any other party, except as otherwise provided by law.
12. Permittee shall include documentation which describes the facilities to be constructed. Permittee, its successors and assigns, agree as a condition of the granting of the permit to construct and maintain any and all permitted facilities or other encroachments in strict accordance with the submitted and approved permit documentation and the policies and procedures of the Department. Permittee, its successors and assigns, shall not use facilities authorized herein in any manner contrary to that prescribed by the approved permit. Only normal usage as contemplated by the parties and by this application and routine maintenance are authorized by the permit.
13. Permittee, its successors and assigns, at all times from the date permitted work is commenced until such time as all permitted facilities or other encroachments are removed from the right-of-way and the right-of-way restored, shall defend, protect, indemnify and save harmless the Department from any and all liability claims and demands arising out of the work, encroachment, maintenance, or other undertaking by the permittee, its successors and assigns, related or undertaken pursuant to the granted permit, due to any claimed act or omission by the permittee, its servants, agents, employees, or contractors. This provision shall not inure to the benefit of any third party nor operate to enlarge any liability of the Department beyond that existing at common law or otherwise if this right to indemnity did not exist.
14. Upon a violation of any provision of the permit, or otherwise in its reasonable discretion, the Department may require additional action by the permittee, its successors and assigns, up to and including the removal of the encroachment and restoration of the right-of-way. In the event additional actions required by the Department under the permit are not undertaken as ordered and within a reasonable time, the Department may in its discretion cause those or other additional corrective actions to be undertaken and the Department shall recover the reasonable costs of those corrective actions from the permittee, its successors and assigns.
15. Permittee, its successors and assigns, shall use the encroachment premises in compliance with all requirements of federal law and regulation, including those imposed pursuant to Title VI of the Civil Right Act of 1964 (42 U.S.C. § 2000d et seq.) and the related regulations of the U.S. Department of Transportation in Title 49 C.F.R. Part 21, all as amended.
16. Permittee, its successors and assigns, agree that if the Department determines it is necessary for the facilities or other encroachment authorized by the permit to be removed, relocated or reconstructed in connection with the reconstruction, relocation or improvement of a highway, the Department may revoke permission for the encroachment to remain under the permit and may order its removal, relocation or reconstruction by the permittee, its successors and assigns, at the expense of the permittee, except where the Department is required by law to pay any or all of those costs.



APPLICATION FOR ENCROACHMENT PERMIT

- 17. Permittee agrees that the authorized permit is personal to the permittee and shall remain in effect until such time as (a) the permittee's rights to the adjoining real property to have benefitted from the requested encroachment have been relinquished, (b) until all permit obligations have been assumed by appropriate successors and assigns, and (c) unless and until a written release from permit obligations has been granted by the Department. The permit and its requirements shall also bind the real property to have benefitted from the requested encroachment to the extent permitted by law. The permit and the related encroachment become the responsibility of the successors and assigns of the permittee and the successors and assigns of each property owner benefitting from the encroachment, or the encroachment may not otherwise permissibly continue to be maintained on the right-of-way. (Does not apply to utility encroachments serving the general public.)
- 18. If work authorized by the permit is within a highway construction project in the construction phase, it shall be the responsibility of the permittee to make personal contact with the Department's Engineer on the project in order to coordinate all permitted work with the Department's prime contractor on the project.
- 19. This permit is not intended to, nor shall it, affect, alter or alleviate any requirement imposed upon the permittee, its successors and assigns, by any other agency.
- 20. Permittee, its successors and assigns, agree to contain and maintain all dirt, mud, and other debris emanating from the encroachment away from the surrounding right-of-way and the travel way of the highway hereafter and at all times that its obligations under the permit remain in effect.
- 21. Before You Dig: The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
- 22. The undersigned Utility acknowledges ownership and control of the facilities proposed to be installed, modified, or extended by the Applicant/Permittee and agrees to be bound by the requirements and terms of this application and all related documents making up the approved permit, by the Department's Permits Guidance Manual, and by all applicable regulations and statutes in effect on the date of issuance of the permit. This information and application is certified correct to the best knowledge and belief of the undersigned Utility.

WESTERN PULASKI COUNTY WATER DISTRICT

UTILITY

DON CALDER

NAME (Utility Representative)

Don Calder
SIGNATURE (Utility Representative)

CHAIRMAN

TITLE (Utility Representative)

7/7/21
DATE



Know what's below. Call before you dig.

To Submit a Locate Request
24 Hours a Day, Seven Days a Week:
Call 811 or 800-752-6007



ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

Permit No. 08-2021-00301

I. SAFETY

A. General Provisions

- All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual.
- All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
- No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the Manual on Uniform Traffic Control Devices.
- When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between 8:30 AM and 4:00 PM
- The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
- No nonconstruction equipment or vehicles or office trailers shall be allowed on the right of way during working hours.
- The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.

B. Explosives

- No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.

C. Other Safety Requirements

- All workers must wear OSHA conforming personal protection items at all times when work is performed on the KYTC right of way. All traffic control must conform to the latest edition of the Manual on Uniform Traffic Control Devices

II. UTILITIES * Applies to Fully Controlled Access Highways ONLY

- *All work necessary within the right of way shall be performed behind a temporary fence erected prior to a boring operation.
- *The temporary woven wire fence shall be removed immediately upon completion of work on the right of way, and the control of access immediately restored to original condition, in accordance with applicable Kentucky Department of Highways Standard Drawings.
- *All vents, valves, manholes, etc., shall be located outside of the right-of-way.
- *Encasement pipe shall extend from right-of-way line to right-of-way line and shall be one continuous run of pipe. The encasement pipe shall be welded at all joints.
- The boring pit and tail ditch shall extend past the existing toe of slope or bottom of ditch line and shall be a minimum of 42 inches deep.

II. UTILITIES (Continued)

- Encasement pipe shall conform to current standards for highway crossings in accordance with the Permits Manual.
- Parallel lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42-inch cover above top of pipe or conduit.
- All pavement cuts shall be restored per attached encroachment terms.
- Aerial crossing of this utility line shall have a minimum clearance of _____ feet from the high point of the roadway to the low point of the line (calculated at the coefficient for expansion of 120 degrees Fahrenheit).
- The 30-foot clear zone requirement shall be met to the extent possible in accordance with the Permits Manual.
- Special requirements:

III. GENERAL

A. OSHA

- Kentucky Occupational Safety and Health Standards for the construction industry, which has the effect of law, states in part: (Page 52, 1926.651, Specific Excavation Requirements) "Prior to opening an excavation, effort shall be made to determine whether underground installations, (sewer, telephone, water, fuel, electric lines, etc.) will be encountered, and if so, where such underground installations are located. When the excavation approaches the estimated location of such an installation, the exact location shall be determined, and when it is uncovered, proper supports shall be provided for the existing installation. Utility companies shall be contacted and advised of proposed work prior to the start of actual excavation."

B. Archaeological

- Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis, which maintains an archaeologist on staff, or with the Office of the State Archaeologist located at the University of Kentucky. Following this consultation, further action shall be decided on a case-by-case basis by the State Highway Engineer or the Transportation Planning Engineer or their designated representative.

C. Utilities in the Work Areas

- The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility, shall be at the expense of the permittee and subject to the approval of the Department.
- All existing manholes and valve boxes shall be adjusted to be flush with finished grade.

D. Environmental

- If the activity to which this permit relates disturbs one acre or more of land, you must obtain a KPDES KYR10 permit.

Websites

<http://www.water.ky.gov/permitting/wastewaterpermitting/KPDES/storm/>

Inspectors for KPDES KYR10 at www.KEPSC.org

IV. RIGHT OF WAY RESTORATION

All disturbed portions of the right of way shall be restored to grass as per Kentucky Department of Highways Standard Specifications for Road and Bridge Construction (latest edition). A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding shall be as follows:

Slopes 3:1 or flatter	90% Kentucky 31 Tall Fescue 10% White Dutch Clover
-----------------------	---

Slopes steeper than 3:1	70% KY 31 Fescue 30% Partridge Pea
-------------------------	---------------------------------------

Two tons of clean straw mulch per acre of seeding.

Prior to seeding, the ground shall be prepared in accordance with Kentucky Department of Highways Standard Specifications for Road and Bridge Construction (latest edition).

Substitutes for sod such as artificial turf, rocked mulch, or paved areas may be acceptable if they are aesthetically pleasing.

All ditch-flow lines and all ditch-side slopes shall be sodded.

Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new concrete markers to match the original markers, in accordance with Kentucky Department of Highways Standard Drawings. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department.

Other right of way restoration requirements are as follows:

V. DRAINAGE

All pipe shall be laid in a straight alignment, to proper grades, and with all materials and methods of installation including bedding and joint seating in accordance with Department Standard Specifications for Road and Bridge Construction (latest edition). Pipe shall not be covered until inspected by the Department and express permission obtained to make backfill.

All gutter lines at the base of new curbs shall be on continuous grades, and pockets of water along with curbs or in entrance areas or other paved areas within the right of way shall not be acceptable.

All drainage structures and appurtenances (manholes, catch basins, curbing, inlet basins, etc.) shall conform to Department specifications and shall be constructed in accordance with the Department Standard Drawings. Type required:

VI. Paving

- No bituminous pavement shall be installed within the right of way between November 15 and April 1, nor when the temperature is below 40 degrees Farenheit, without the express consent of the Department. No bituminous pavement shall be installed when the underlying course is wet.

- Paving within the right of way shall be as follows:
 - Base (Type) _____ (Thickness) _____
 - Surface Base (Type) _____ (Thickness) _____
 - Finished Surface (Type) _____ (Thickness) _____

- Existing pavement and shoulder material shall be removed to accomodate the above paving specifications.

- The finished surface of all new pavement within the right of way shall be true to the required slope and grade, uniform in density and texture, free of irregularities, and equivalent in riding qualities to the adjacent highway pavement or as determined by the Department of Highways.

- All materials and methods of construction, including base and subgrade preparation, shall be in accordance with Kentucky Department of Highways Standard Specifications for Road and Bridge Construction (latest edition).

- 48 hours notice to the Department is required prior to beginning paving operations.
Phone: _____ Name: _____

- To ensure proper surface drainage, the new pavement shall be flush with the edge of existing highway pavement and shall slope away from the existing edge of the pavement as specified in drawings.

- Existing edge of pavement shall be saw-cut to provide a straight and uniform joint for new pavement. An approved joint sealer, in accordance with Kentucky Department of Highways Standard Specifications (latest edition), shall be applied between new and existing pavements.

VII. SIDEWALKS SPECIFICATIONS *This dimension should be equal to the width of the sidewalk.

A. New Sidewalks

- Sidewalks shall be constructed of Class A concrete (3,500 p.s.i. test), shall be * _____ feet in width, 8 inches in thickness across the entrances, and 4 inches in thickness across the remaining sections.

- Sidewalks shall have tooled joints not less than 1 inch in depth at four foot intervals*, and 1/2 premolded expansion joints extending entirely through the sidewalk at intervals not to exceed 50 feet.

- All materials and methods of construction, including curing, shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction (latest edition).

B. Existing Sidewalks

- (Applicable if existing sidewalks are being relocated) Use of the sidewalk shall not be blocked or obstructed, and a usable walkway shall be maintained across the construction area at all times.

- All damaged sections of the sidewalks shall be entirely replaced to match existing sections.

VIII. DENSE GRADED SHOULDERS

- Any existing dense-graded aggregate shoulders in the entire frontage within the construction area, which have been disturbed or damaged or on which dirt has been placed or mud has been deposited or tracked, shall be restored to original condition by removal of all contaminated material and replaced to proper grade with new dense-graded aggregate.
- All new aggregate shoulders as specified in the plan shall consist of 5 inches of compacted dense-graded aggregate, 2^{1/2} pounds per square yard of calcium chloride.
- All dense-graded aggregate shoulders shall slope away from the new edge of pavement at the rate of 3/4 inch per foot.

IX. CURBING

A. Bituminous Curbs

- Bituminous concrete curbs shall be given a paint coat of asphalt emulsion.
- The surface under the bituminous concrete curb shall be tacked with asphalt emulsion.
- All bituminous concrete curbs shall be constructed of a Class I bituminous concrete mixture as specified by official Department of Highways specifications.
- All bituminous curbs shall be rolled curb, with a minimum base width of 8 inches and a minimum height of _____ inches. The top of the curb shall be constructed in such a manner as to guarantee a uniform rolled effect throughout the entire run.

B. Concrete Curbs

- All curbs or curb and gutter shall be constructed of Class A concrete (3,500 p.s.i. test) and shall be uniform in height, width, and alignment, true to grade, and satisfactory in finish and appearance as determined by the Department. All materials and methods of construction, including curing, shall be in accordance with Department of Highways Standard Specifications for Road and Bridge Construction (latest edition).
- All concrete curbs shall be 6 inches in width, extend _____ inches above finished grade and 12 inches below finished grade, with all visible edge rounded to 1/2 inch radii.
- All concrete curbs shall have expansion joints constructed at intervals of not more than 30 feet, and 1/2 inch premolded expansion joint material (cut to conform to the curb or to the curb and gutter section) shall be used in each expansion joint.
- The last _____ feet of all concrete curbs are to be tapered down to finished grade.

X. RIGHT-OF-WAY FENCE REPLACEMENT

- The replacement fence shall be a height of at least 48 inches and shall be of sufficient density to contain all animals (if applicable).

- The replacement fence shall be a minimum of 1 foot outside the right-of-way line. The fence materials and
- design shall meet accepted industry standards and be treated as paintable.
- The permittee shall be required to maintain the fence in a high state of repair.
- The existing fence shall be removed by permittee and stored at the Department's maintenance storage yard for future reuse by the Department.
- The control of access shall not be diminished as a result of replacement of the fence.
- Miscellaneous:

NOTICE TO PERMITTEE

THE PERMITTEE AGREES THAT ALL WORK WITHIN THE EXISTING RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH THE PLANS AS APPROVED AND PERMITTED BY AN ENCROACHMENT PERMIT. ANY CHANGES OR VARIANCES MADE AT THE TIME OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF HIGHWAYS SHALL BE REMOVED BY THE PERMITTEE AT NO EXPENSE TO THE DEPARTMENT OF HIGHWAYS AND SHALL BE REDONE BY THE PERMITTEE TO CONFORM WITH THE APPROVED PLANS.

EXHIBIT C

Letter of District Requesting Approval to Use
Excess KIA Loan Proceeds and Letter of KIA
Approving Use.

Western Pulaski County Water District
1059 W. Hwy 80
Somerset, KY 42503
606-679-1569
Fax 606-677-9449

"This institution is an equal opportunity provider, and employer."

October 21, 2021

Ms. Linda C. Bridwell, P.E., Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, Kentucky 40602

RE: Western Pulaski County Water District
Water System Improvements & Replacements:
Contract 3 – Lees Ford Area

Dear Director Bridwell:

The Western Pulaski County Water District hereby notifies the Kentucky Public Service Commission of the following additional construction regarding the Western Pulaski County Water District 's Water System Improvements Project: Contract 3 – Lees Ford area. The District plans to utilize the remaining KIA/SRF F16-003 funds from the District 's Water System Improvements – Contract 1 & 2 Project plus the remaining KIA/SRF B20-004 funds from the District's Big Clifty Creek Area Water System Improvements – Phase 2: KY Highway 80/Fishing Creek Bridge Water Line Replacement to construct the following additional work items:

- Water System Improvements & Replacements: Contract 3 – Lees Ford Area (Bid Value @ \$268,450.00, anticipated final cost of \$429,678.24)
 - 2,400 LF of 12-Inch Waterline Replacement along the KY Highway 80 going east.

No change in rates will result from this additional construction.

Letters from the lending agency, Kentucky Infrastructure Authority (KIA) authorizing the use of residual loan funds for the above construction is attached hereto.

Should you have any questions or need additional information, please advise.

Sincerely,



Don Calder, Chairman
Western Pulaski County Water District



KENTUCKY INFRASTRUCTURE AUTHORITY

Andy Beshear
Governor

100 Airport Road
Frankfort, Kentucky 40601
(502) 573-0260
kia.ky.gov

Sandy Williams
Deputy Executive Director

May 11, 2021

Don Calder, Chairman
Western Pulaski County Water District
2128 W HWY 80
Somerset, KY 42503

RE: DWSRF Request to Use
Residual Funds, F16-003

Dear Chairman Calder:

Thank you for your recent request dated April 23, 2021, to use residual DWSRF loan funds from loan F16-003 to better serve the citizens of the Western Pulaski County Water District. According to your correspondence, remaining loan funds of approximately \$370,000 will be used to install approximately 5,450 LF of new 12" water line and appurtenances on WTLO Road/KY HWY 3261 over to KY HWY 80 in Pulaski County. This request is approved. The Borrower must continue to follow all State and Federal SRF rules and guidelines and adhere to the standard conditions as set forth in the original commitment letter dated November 16, 2015. We ask that the final draw request and closeout documents be submitted by January 30, 2022, and that principal and interest payments begin June, 2022.

If you have any questions, please don't hesitate to contact Julie Bickers at (502)892-3455 or julie.bickers@ky.gov.

Respectfully,

A handwritten signature in blue ink that reads "Sandy Williams".

Sandy Williams
Deputy Executive Director

TEAM
KENTUCKY

An Equal Opportunity Employer M/F/D



KENTUCKY INFRASTRUCTURE AUTHORITY

Andy Beshear
Governor

100 Airport Road
Frankfort, Kentucky 40601
(502) 573-0260
kia.ky.gov

Sandy Williams
Deputy Executive Director

May 11, 2021

Don Calder, Chairman
Western Pulaski County Water District
2128 W HWY 80
Somerset, KY 42503

RE: Fund B Request to Use Residual
Funds, B20-004

Dear Chairman Calder:

Thank you for your recent request dated April 23, 2021, to use residual Fund B loan funds from loan B20-004 to better serve the citizens of the Western Pulaski County Water District. According to your correspondence, remaining loan funds of approximately \$240,000 will be used to install approximately 1,125 LF of new 12" water line and appurtenances along KY HWY 80 in Pulaski County beginning at the east side of Fishing Creek Bridge and extending east. This request is approved. The Borrower must obtain all necessary engineering design approvals and continue to follow all procurement procedures in compliance with all applicable state and local procurement laws. We ask that the final draw request and closeout documents be submitted by January 30, 2022. However, the project must begin repayment of the loan under the original project timeline, therefore principal and interest payments shall begin December, 2021, on the amount of funds drawn.

If you have any questions, please don't hesitate to contact Julie Bickers at (502)892-3455 or julie.bickers@ky.gov.

Respectfully,

A handwritten signature in blue ink that reads "Sandy Williams".

Sandy Williams
Deputy Executive Director



An Equal Opportunity Employer M/F/D

EXHIBIT D

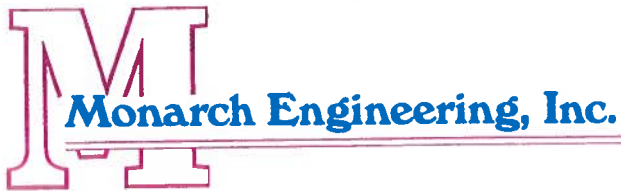
Estimated Cost of Operation

ESTIMATED ANNUAL COST OF OPERATION (1st Full Year of Operation)
Year Ending 2022

A. Operating Income:	
Water Sales	\$3,267,240
Disconnect/Reconnect/Late Charge Fees	0
Other (Describe)	165,000
Less Allowances and Deductions	
Total Operating Income	\$3,385,440
B. Operation and Maintenance Expenses: (Based on Uniform System of Accounts prescribed by National Association of Regulatory Utility Commissioners)	
Source of Supply Expense	\$1,205,135
Pumping Expense	132,735
Water Treatment Expense	0
Transmission and Distribution Expense	137,434
Customer Accounts Expense	58,568
Administrative and General Expense	938,377
Total Operating Expenses	\$2,472,249
Net Operating Income	\$913,191
C. Non Operating Income:	
Interest on Deposits	\$30,008
Other (Identify)	0
Total Non-Operating Income	\$30,008
D. Net Income	\$943,199
E. Debt Repayment:	
RUS Debt Service	\$434,884
Non-RUS Debt Service (KIA Loan)	68,829
Total Debt Repayment	\$503,713
F. Balance Available for Coverage	\$439,486
G. Reserve Accounts	
Short Lived Assets Replacement Reserves	\$30,160
Debt Reserve	19,840
Total Reserve	\$50,000

EXHIBIT E

Engineers Letter of Recommendation, Bid
Tabulations and Final Project Budget



October 21, 2021

Mr. Don Calder, Chairman
Western Pulaski County Water District
2128 West Highway 80
Somerset, KY 42503

Re: Water System Improvements & Replacements:
Contract 3 – Lees Ford Area

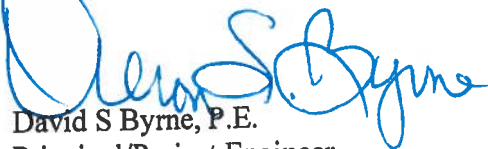
Dear Mr. Calder:

On October 19, 2021, bids were received for the construction of a water transmission main and appurtenances located along Kentucky Highway 80 near the Lees Ford pump station and Fishing Creek Bridge. Four bids were received and the lowest was submitted by Stotts Construction Co., Inc. located in Columbia, Kentucky in the amount of \$268,450.00. A summarized bid tabulation is attached that shows the unit and total prices for all items that were bid by each bidder.

Please find attached the Final Project Budget that reflects the proposal by Stotts Construction Co., Inc., and other associated project costs. As summarized in the Budget, there are sufficient funds to construct the project as designed. Therefore, based on the need for the Water District to construct these water system improvements and in accordance with the proposal submitted by Stotts Construction Co., Inc., we recommend that the Water District award a contract to Stotts Construction Co., Inc., in the amount of \$268,450.00. This recommendation is contingent upon approval by the Kentucky Public Service Commission and the Kentucky Infrastructure Authority.

Should you need additional information, please advise.

Sincerely,

A handwritten signature in blue ink that reads 'David S. Byrne'.

David S Byrne, P.E.
Principal/Project Engineer

/dsb

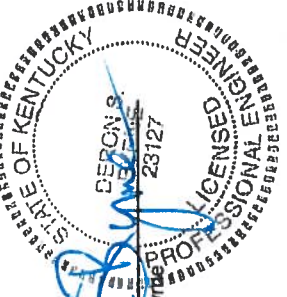
Attachments

BID TABULATIONS
WESTERN PULASKI COUNTY WATER DISTRICT
WATER SYSTEM IMPROVEMENTS & REPLACEMENTS:
CONTRACT 3 - LEES FORD AREA
PULASKI COUNTY, KENTUCKY
BID DATE: OCTOBER 19, 2021 @ 5:00 P.M. LOCAL TIME

MONARCH ENGINEERING, INC.
 556 Carlton Drive
 Lawrenceburg, KY 40342
 Phone (502) 839-1310
 Fax (502) 839-1373

ITEM NO.	DESCRIPTION	QUANTITY	Stotts Construction Co., Inc.		Twin States Utilities & Excavation, Inc.	
			UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
BASE BID CONTRACT						
1	12-Inch Ductile Iron CL350 Water Line	2,400 LF	\$75.00	\$180,000.00	\$92.00	\$220,800.00
2	Bore & Case for 12-Inch Water Line	60 LF	300.00	18,000.00	465.00	27,900.00
3	Free Bore for 12-Inch Water Line	20 LF	80.00	1,600.00	100.00	2,000.00
4	12-Inch Gate Valve	1 EA	5,000.00	5,000.00	7,584.00	7,584.00
5	8-Inch Gate Valve	1 EA	2,500.00	2,500.00	3,609.00	3,609.00
6	6-Inch Gate Valve	1 EA	1,600.00	1,600.00	2,942.00	2,942.00
7	2-Way Flush Hydrant Assembly	1 EA	5,700.00	5,700.00	5,239.00	5,239.00
8	Connection	3 EA	7,000.00	21,000.00	5,619.00	16,857.00
9	Cut & Cap Existing 8-Inch Water Line	1 EA	2,000.00	2,000.00	1,178.00	1,178.00
10	Cut & Cap Existing 6-Inch Water Line	2 EA	2,000.00	4,000.00	1,122.00	2,244.00
11	Meter Reconnection	13 EA	700.00	9,100.00	1,317.00	17,121.00
12	3/4-Inch HDPE Service Line	1,050 LF	15.00	15,750.00	11.00	11,550.00
13	1-Inch HDPE Service Line	60 LF	20.00	1,200.00	12.00	720.00
14	Exploration	10 HR	100.00	1,000.00	250.00	2,500.00
TOTAL BASE BID				\$268,450.00		\$322,244.00

THE ABOVE IS A TRUE AND COMPLETE TABULATION OF BIDS RECEIVED AT 5:00 P.M. LOCAL TIME, TUESDAY, OCTOBER 19, 2021 AT THE WESTERN PULASKI COUNTY WATER DISTRICT.



BY: *Deron S. Byrde*
 Deron S. Byrde
 10/20/2021
 Date

MONARCH ENGINEERING, INC.
 556 Carlton Drive
 Lawrenceburg, KY 40342
 Phone (502) 839-1310
 Fax (502) 839-1373

BID TABULATIONS
WESTERN PULASKI COUNTY WATER DISTRICT
WATER SYSTEM IMPROVEMENTS & REPLACEMENTS:
CONTRACT 3 - LEES FORD AREA
PULASKI COUNTY, KENTUCKY
BID DATE: OCTOBER 19, 2021 @ 5:00 P.M. LOCAL TIME

ITEM NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL COST	UNIT PRICE	TOTAL COST
BASE BID CONTRACT						
1	12-Inch Ductile Iron CL350 Water Line	2,400 LF	\$79.00	\$189,600.00	\$108.00	\$259,200.00
2	Bore & Case for 12-Inch Water Line	60 LF	512.00	30,720.00	300.00	18,000.00
3	Free Bore for 12-Inch Water Line	20 LF	300.00	6,000.00	42.00	840.00
4	12-Inch Gate Valve	1 EA	4,100.00	4,100.00	4,625.00	4,625.00
5	8-Inch Gate Valve	1 EA	2,030.00	2,030.00	2,950.00	2,950.00
6	6-Inch Gate Valve	1 EA	1,522.00	1,522.00	2,000.00	2,000.00
7	2-Way Flush Hydrant Assembly	1 EA	4,963.00	4,963.00	5,100.00	5,100.00
8	Connection	3 EA	3,950.00	11,850.00	4,000.00	12,000.00
9	Cut & Cap Existing 8-Inch Water Line	1 EA	1,891.00	1,891.00	2,600.00	2,600.00
10	Cut & Cap Existing 6-Inch Water Line	2 EA	1,850.00	3,700.00	1,500.00	3,000.00
11	Meter Reconnection	13 EA	1,295.00	16,835.00	500.00	6,500.00
12	3/4-Inch HDPE Service Line	1,050 LF	51.00	53,550.00	29.00	30,450.00
13	1-Inch HDPE Service Line	60 LF	25.00	1,500.00	36.50	2,190.00
14	Exploration	10 HR	200.00	2,000.00	200.00	2,000.00
TOTAL BASE BID				\$330,261.00		\$351,455.00

Cumberland Pipeline, LLC
 2909 Cane Valley Mill Road
 Columbia, KY 42728

Weddle Enterprises, Inc.
 25 Shanes Lane
 Somerset, KY 42501

**FINAL PROJECT BUDGET
WESTERN PULASKI COUNTY WATER DISTRICT
PULASKI COUNTY, KENTUCKY
WATER SYSTEM IMPROVEMENTS & REPLACEMENTS
CONTRACT 3 - LEES FORD AREA WATER SYSTEM IMPROVEMENTS
OCTOBER 21, 2021**

PROJECT COSTS

DEVELOPMENT	\$268,450.00
CONTINGENCY	26,845.00
ENGINEERING DESIGN	33,338.81
CONSTRUCTION INSPECTION	26,222.20
PHASE 2 - CONTRACT 3	74,822.23

TOTAL PROJECT COSTS

\$429,678.24

PROJECT FINANCING

KENTUCKY INFRASTRUCTURE AUTHORITY (KIA) FUND F16-003	\$328,408.48
KENTUCKY INFRASTRUCTURE AUTHORITY (KIA) FUND B20-004	\$101,269.76

TOTAL PROJECT FINANCING

\$429,678.24