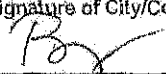


REQUEST FOR APPROVAL OF EVIDENTIARY MATERIALS AND RELEASE OF FUNDS

Grantee Name: Breathitt County Water District		Grant Agreement Number: KY-19554-R1-2020 (19A - 002)	
Grantee Address: 1137 Main Street, Suite 305 Jackson, KY 41339		Date of Request:	
Evidentiary Materials		Items* Included	State Use Only
1. Environmental Review	I hereby state that the community has completed the required environmental review process and a Certification of Completion is attached to this request for release of funds.	X	
2. Historic Properties	I hereby state that the State Historic Preservation Officer was provided information and given thirty (30) days to comment on proposed activities and correspondence is attached.	X	
3. Tribal Consultation	I hereby state that the tribal consultation requirements of 24 CFR Part 58 and related guidance have been adhered to and correspondence is attached.	X	
4. Other Fund Commitments	I hereby state that firm commitments for other funds referenced in the evidentiary materials have been secured and are attached to this request for release of funds.		
5. Legally Binding Commitments	I hereby certify that the legally binding commitments required have been submitted and are attached to this request for release of funds.	N/A	
6. Other			
Typed Name and Title of City/County Official: Bobby Thorpe, Jr. Chairman		Signature of City/County Official: 	Date: 1/06/2021
FOR STATE USE ONLY			
Action Taken:		Individual Authorizing Action:	Date:

* Items Included Code: N/A = Not Applicable to this program X= Included

ENVIRONMENTAL REVIEW

FOR THE

Breathitt Waterline Extensions – Phase 2

BY

Breathitt County Water District

Prepared by

Kentucky River Area Development District

On behalf of the Breathitt County Water District

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Washington, DC 20410

U.S. Department of Housing and Urban
Development

451 Seventh Street, SW

www.hud.gov

espanol.hud.gov

Environmental Assessment Determinations and Compliance Findings for HUD-assisted Projects 24 CFR Part 58

Project Information

Project Name: Breathitt Waterline Extension Phase 2

Responsible Entity: Breathitt County Water District

Grant Recipient (if different than Responsible Entity):

State/Local Identifier: Grant #KY-19554-R1-2020 (19A – 002)

Preparer: Jennifer McIntosh

Certifying Officer Name and Title: Bobby Thorpe, Jr.

Grant Recipient (if different than Responsible Entity):

Consultant (if applicable):

Direct Comments to:

Jennifer McIntosh
Kentucky River Area Development District
941 North Main Street Hazard, KY 41701
jennifer@kradd.org

Project Location:

- Mann Road Waterline Jackson, KY 41339 – GPS Coordinates: Latitude 37°32'22.161"N; Longitude -83°20'21.26"W
- River Caney PRV Jackson, KY 41339 – GPS Coordinates: Latitude 37°24'47.914" N; Longitude -83°19'14.383"W
- KY 28 PRV Jackson, KY 41339– GPS Coordinates: Latitude 37°23'18.041N; Longitude -83°29'43.521"W

- Creekside Road Water Line Jackson, KY 41339 -- GPS Coordinates: Latitude 37°29'43.809"N; Longitude -83°27'24.457"W
- HWY 30 East Pump Station Jackson, KY 41339-- GPS Coordinates: Latitude 37°31'9.807"N; Longitude -83°24'39.195"W
- KY 30 East Tank Jackson, KY 41339 -- GPS Coordinates: Latitude 37°32'58.648"N; Longitude -83°20'39.195"W
- Joe Ward Fork Waterline Jackson, KY 41339-- GPS Coordinates: Latitude 37°39'50.45"N; Longitude -83°17'28.416"W
- KY 541 PRV Jackson, KY 41339-- GPS Coordinates: Latitude 37°36'11.662"N; Longitude -83°25'57.17"W
- War Creek Waterline Jackson, KY 41339 -- GPS Coordinates: Latitude 37°36'31.782"N; Longitude -83°29'26.597"W

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

This project will construct approximately 18,897 linear feet (LF) of PVC waterlines in various locations in Breathitt County, Kentucky; 17,967 LF of 4" and 930 LF of 2" waterlines. This new line will extend first time potable water service to 28 households in the project area; 5 households on Creekside RD, 18 households on War Creek Road, 2 households on Joe Ward Fork, and 3 households on Mann Road. These households currently rely on well water that could fail at any time and are subject to drought in the summer months. Wells can be contaminated by mining and other outside sources, making the water unsafe for consumption and use. By constructing new waterlines these households will be provided healthy, reliable potable water.

This project will also perform necessary rehabilitation on the system. The pump stations on 30 West and 30 East will have their pumps rebuilt or replaced to increase performance, reduce operation and maintenance costs, and ensure that there are no service interruptions. The valves and piping will also be replaced in the Pressure Reducing Vaults along KY 541, River Caney and KY 28.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

This project will provide water service to those with failing wells and other unreliable sources of water throughout Breathitt County. This project will also provide necessary updates and equipment needed to allow the Breathitt County Water District to continue providing the same excellent service that their customers have come to rely on.

Existing Conditions and Trends [24 CFR 58.40(a)]:

This project is located in Breathitt County and will provide water service to 28 unserved households at various locations throughout the county. The addition of customers will assist the District in keeping rates reasonable across the board. The County is economically distressed due to the loss of the coal industry, and now COVID-19. The overall improvement of the lifestyle that this project will bring to the residents in this area will be tremendous.

Funding Information

Grant Number	HUD Program	Funding Amount
KY-1955-R1-2020 (19A - 002)	ARC	750,000

Estimated Total HUD Funded Amount: \$750,000

Estimated Total Project Cost (HUD and non-HUD funds) [24 CFR 58.32(d)]: \$750,000

Compliance with 24 CFR 50.4, 58.5, and 58.6 Laws and Authorities

Record below the compliance or conformance determinations for each statute, executive order, or regulation. Provide credible, traceable, and supportive source documentation for each authority. Where applicable, complete the necessary reviews or consultations and obtain or note applicable permits or approvals. Clearly note citations, dates/names/titles of contacts, and page references. Attach additional documentation as appropriate.

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5 and §58.6	Are formal compliance steps or mitigation required?	Compliance determinations
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 and 58.6		
Airport Hazards 24 CFR Part 51 Subpart D	Yes No	<i>There are no airports on or near any of the proposed project area. No impact.</i>
Coastal Barrier Resources Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	Yes No <input checked="" type="checkbox"/>	<i>Breathitt County, KY does not have Coastal areas.</i>
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	Yes No	<i>Breathitt County Water District has completed the eight-step process per requested 24 CFR 55 since sections of the water project appear to be within the bounds of a 100-year floodplain. Breathitt County does participate in the National Flood Insurance Program. The Floodplains and Wetlands Early Public Notice</i>

		was ran in the November 4, 2020 edition of The Jackson-Breathitt County Times-Voice. The Floodplain and Wetland Notice of Explanation was ran in the November 25, 2020 edition of The Jackson-Breathitt County Times-Voice. No public comments were received.
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR 50.4 & 58.5		
Clean Air Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>	<i>Minimal impact. According to the letter dated October 23, 2020 from the Energy and Environmental Cabinet in which Louanna Aldridge states the following: Open burning shall be prohibited except as specifically provided. Open burning is defined as burning of any matter in such a manner that the products of combustion resulting from the burning are emitted directly into the outdoor atmosphere without passing through a stack or chimney. Other suggestions include: Utilize alternatively fueled equipment, utilize other emission controls that are applicable to your equipment, and reduce idling time on equipment.</i>
Coastal Zone Management Coastal Zone Management Act, sections 307(c) & (d)	Yes No <input type="checkbox"/> <input checked="" type="checkbox"/>	<i>There are no coastal areas in Breathitt County, KY. No Impact.</i>
Contamination and Toxic Substances 24 CFR Part 50.3(i) & 58.5(i)(2)	Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>	<i>The US EPA website database was searched in order to identify any listed contamination areas, none were noted. No impact.</i>
Endangered Species Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>	<i>No Impact. According to Jennifer Garland letter dated 9/30/2020, "Significant impacts to federally-listed species are not likely to result from this project as currently proposed. According to Doug Dawson letter dated September 29, 2020, "the KDFWR does not believe the project will impact any federal or state-listed threatened/endangered species or any associated habitat. To minimize indirect impacts to the aquatic environment, the KDFWR recommends that erosion control measures be developed and implemented prior to construction to reduce siltation into waterways located within the project area."</i>

		Per email dated 11/19/2020 from Justin Branham, USACOE, "Based on the information submitted, it does not appear that a permit would be required for the above referenced project as no discharge of fill or dredged material is proposed within aquatic resources. The information submitted by you indicated that no proposed stream crossings are required. If the scope of the project changes and the project would necessitate the discharge of fill material, please contact our office to determine permit requirement."
Explosive and Flammable Hazards 24 CFR Part 51 Subpart C	Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>	<i>No impact. There will be no above ground storage tanks with explosive and/or flammable materials on or near the project.</i>
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>	<i>No impact. Per letters dated 9/30/2020 from Perri Padley, Soil Scientist, NCRS, "no conversion of agricultural lands (prime, unique, or farmland of local or statewide importance) will occur or be negatively impacted by the proposed undertaking (for the new route). Therefore, this office has no additional concerns at this time.</i>
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>	According to Doug Dawson letter dated September 29, 2020, "the KDFWR does not believe the project will impact any federal or state-listed threatened/endangered species or any associated habitat. To minimize indirect impacts to the aquatic environment, the KDFWR recommends that erosion control measures be developed and implemented prior to construction to reduce siltation into waterways located within the project area." Per email dated 11/19/2020 from Justin Branham, USACOE, "Based on the information submitted, it does not appear that a permit would be required for the above referenced project as no discharge of fill or dredged material is proposed within aquatic resources. The information submitted by you indicated that no proposed stream crossings are required. If the scope of the project changes and the project would necessitate the discharge of fill material, please contact our office to determine permit requirement."
Historic Preservation National Historic Preservation Act of 1966, particularly sections 106 and 110; 36 CFR Part 800	Yes No <input checked="" type="checkbox"/> <input type="checkbox"/>	<i>No Impact. Per letter dated November 17, 2020 Craig A. Poits, Executive Director, "Based on the information submitted, we would concur with a determination of No Historic Properties Affected for this project.</i>

<p>Noise Abatement and Control</p> <p>Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p><i>The project is not located in a high noise area. The project will have minimal and limited noise due to construction equipment. The construction will be carried out in order to minimize the potential impacts.</i></p>
<p>Sole Source Aquifers</p> <p>Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p><i>No impacts. There were no sole source aquifers identified by the Breathitt County Water District during field visits, or according to any records obtained from state or federal resources.</i></p>
<p>Wetlands Protection</p> <p>Executive Order 11990, particularly sections 2 and 5</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p><i>There are wetlands near the identified project area. The Breathitt County Water District has acquired a floodplain permit for the project. A DA permit is not required for directional drilling of the streams. The Breathitt County Water District has completed the eight-step process per required 24 CFR 55 since a section of the water project appears to be located within the bounds of the 100-year floodplain. Breathitt County does participate in the National Flood Insurance Program. The Floodplains and Wetlands Early Public Notice was ran in the November 4, 2020 edition of The Jackson-Breathitt County Times-Voice. The Floodplain and Wetland Notice of Explanation was ran in the November 25, 2020 edition of The Jackson-Breathitt County Times-Voice. No public comments were received.</i></p>
<p>Wild and Scenic Rivers</p> <p>Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (e)</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p><i>No impact. There are no wild and scenic rivers located in the project area or in Breathitt County, Kentucky.</i></p>
<p>ENVIRONMENTAL JUSTICE</p>		
<p>Environmental Justice</p> <p>Executive Order 12898</p>	<p>Yes No</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/></p>	<p><i>No impact. The project will benefit all area residents regardless of any protected class. The Breathitt County Water District is an equal opportunity provider and will serve all potential customers equally.</i></p>

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27] Recorded below is the qualitative and quantitative significance of the effects of the proposal on the character, features and resources of the project area. Each factor has been evaluated and documented, as appropriate and in proportion to its relevance to the proposed action. Verifiable source documentation has been

provided and described in support of each determination, as appropriate. Credible, traceable and supportive source documentation for each authority has been provided. Where applicable, the necessary reviews or consultations have been completed and applicable permits of approvals have been obtained or noted. Citations, dates/names/titles of contacts, and page references are clear. Additional documentation is attached, as appropriate. **All conditions, attenuation or mitigation measures have been clearly identified.**

Impact Codes: Use an impact code from the following list to make the determination of impact for each factor.

- (1) Minor beneficial impact
- (2) No impact anticipated
- (3) Minor Adverse Impact -- May require mitigation
- (4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement

Environmental Assessment Factor	Impact Code	Impact Evaluation
LAND DEVELOPMENT		
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	1	The Breathitt County Water District has no zoning ordinance in place. The project is anticipated to have a positive impact to the proposed area by providing a safe, reliable source for drinking, cooking, and bathing.
Soil Suitability/ Slope/ Erosion/ Drainage/ Storm Water Runoff	3	The project has some areas of moderate to steep slope. Appropriate erosion control measures and silt barriers will be utilized to minimize potential impacts.
Hazards and Nuisances including Site Safety and Noise	3	Any construction along state and county road right-of-way must have adequate safety measures in place to protect motorists and construction workers
Energy Consumption	2	This project is located in rural areas throughout the county. No impact. The contractor must use EPA compliant equipment during construction activities.

Environmental Assessment Factor	Impact Code	Impact Evaluation
SOCIOECONOMIC		
Employment and Income Patterns	1	The availability of a safe, reliable water source has the potential of increasing economic development in the community.
Demographic Character Changes, Displacement	2	No impact. The project will not displace any families, nor will it require residents to relocate.

Environmental Assessment Factor	Impact Code	Impact Evaluation
COMMUNITY FACILITIES AND SERVICES		
Educational and Cultural Facilities	1	With a safe, reliable source of water for drinking, bathing, and cooking school age children will have improved learning abilities.
Commercial Facilities	2	There are no commercial properties located within the project area. No impact.
Health Care and Social Services	1	A safe, reliable source of water for drinking, cooking, and cleaning will improve the overall health of residents located in the project area.
Solid Waste Disposal / Recycling	2	All federal and state regulations will be followed in the disposal of any generated solid waste. Minor impact.
Waste Water / Sanitary Sewers	2	This project will not impact existing waste water systems in Breathitt County.
Water Supply	1	The project will benefit area residents in the project area by providing them with a safe, reliable water source.
Public Safety - Police, Fire and Emergency Medical	2	The project is located within a rural area with access to adequate policing services, fire services, and emergency services. This project will not impact emergency services to area residents.
Parks, Open Space and Recreation	2	This project will have no impact on parks, open spaces, and recreation to area residents.
Transportation and Accessibility	3	The contractor(s) must comply with all safety regulations and assure adequate measures for traffic and workers.

Environmental Assessment Factor	Impact Code	Impact Evaluation
NATURAL FEATURES		
Unique Natural Features, Water Resources	1,2	There are no unique features located at the project site or within close proximity to the project site. The water quality in the area will improve as the project will provide residents with a safe, reliable water source for cooking, bathing, and drinking.
Vegetation, Wildlife	2	According to Jennifer Garland letter dated September 30, 2020, "Significant impact to federally-listed species are not likely to result from this project as currently proposed." No impact.
Other Factors	2	No other factors have been identified.

Additional Studies Performed: Air Quality Attainment Report, Air Quality Index, Wild and Scenic River report, Flood Insurance Participating Communities Report

Field Inspection (Date and completed by): 10/21/2020 Shannon Ritchie

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:

- **KY State Clearinghouse, Lee Nalley**
- **Department for Environmental Protection, Louanna Aldridge**
- **Office of Kentucky Nature Preserves**
- **DOW, Daniel Fraley**
- **US Fish and Wildlife, Jennifer Garland**
- **Natural Resources Conversation Services, Perri Pedley**
- **State Historic Preservation Officer, Craig A. Potts**
- **Division of Waste Management**
- **Kentucky Division of Water, Chloe Brantley**
- **Kentucky Fish and Wildlife**
- **Army Corps of Engineers, Justin Branham**
- **FEMA**
- **Tribal**

List of Permits Obtained:

Per email dated November 19, 2020 from Justin Branham, US Army Corps of Engineers A stream construction permit will not be permit will not be required. Per DOW comments dated October 23, 2020, "The proposed project does not require a Kentucky DOW Application for Permit to Construct Across or Along a Stream."

Public Outreach [24 CFR 50.23 & 58.43]:

- November 4, 2020 - Floodplains and Wetlands Early Public Notice Activity in a 100-year Floodplain
- November 26, 2020 - Floodplain and Wetland Notice of Explanation Activity in a 100-year Floodplain
- January 6, 2021 - Combine Notice to Public of No Significant Effect on the Environment Notice to Public of Request for Release of Funds

Cumulative Impact Analysis [24 CFR 58.32]:

It is highly anticipated that the project will have a positive impact on the proposed area by providing a safe, reliable source of potable water for drinking, cooking, and bathing for residents. The Breathitt County Water District has determined that the project will have no significant impact on the human environment. Erosions and sedimentation control will be required as needed. Any stream crossing will be completed by horizontal directionally drilled means in order to minimize impact on local surface waters. No significant adverse impacts to federally listed endangered or threatened species are anticipated.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

Alternative 1: To construct the project as proposed. This is the preferred alternative.

Alternative 2: To construct the project as the Breathitt County Water District's budget allows. This would not be feasible as the budget does not contain the extra monies.

No Action Alternative [24 CFR 58.40(e)]:

This is the least preferred alternative. This would result in residents having to continue to use wells that may be contaminated, failing, and prone to drought. Proper maintenance of the system will become more expensive.

Summary of Findings and Conclusions: The proposed recommended project will overall have a positive environmental impact. The new line will extend first time potable water service to 28 households in the project area. The project will also perform necessary rehabilitation to the system. All required mitigation actions must be strictly adhered to.

Mitigation Measures and Conditions [40 CFR 1505.2(c)]

Summarize below all mitigation measures adopted by the Responsible Entity to reduce, avoid, or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements, and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure
Kentucky Nature Preserves	In a letter dated December 16, 2020 from the Kentucky Nature Preserves, Elizabeth Mason stated that, "this project does pose some concern." The different species that need to be monitored are fusonaia subrotunda, nycticeius humeralis, and m.septentrionalis. If the identified species are knowingly encountered during construction the Kentucky Nature Preserves will need to be contacted for further instruction.
Kentucky Fish and Wildlife	Erosion control measures will be developed and implemented.
Energy and Environment Cabinet Water Quality Branch	Best management practices should be utilized to reduce runoff from project construction activities into nearby waters.

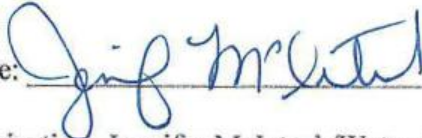
Determination:

Finding of No Significant Impact [24 CFR 58.40(g)(1); 40 CFR 1508.27]

The project will not result in a significant impact on the quality of the human environment.

Finding of Significant Impact [24 CFR 58.40(g)(2); 40 CFR 1508.27] The project may significantly affect the quality of the human environment.

Preparer Signature: _____



Date: 1/06/2021

Name/Title/Organization: Jennifer McIntosh/Water & Wastewater Planner/Kentucky River Area Development District

Certifying Officer Signature: _____



Date: 1/06/2021

Name/Title: Bobby Thorpe, JR, Chairman, Breathitt County Water District

This original, signed document and related supporting material must be retained on file by the Responsible Entity in an Environmental Review Record (ERR) for the activity/project (ref: 24 CFR Part 58.38) and in accordance with recordkeeping requirements for the HUD program(s).

Environment Review Assessment

Exempt

Administration

Planning

Historic and Environmental Studies

Engineering

Categorically Excluded

Assessment

- Creekside Road will service five households with approximately 5,761 LF of 4" PVC.
- War Creek Road will provide service to eighteen households with approximately 9,406 LF of 4" PVC.
- Joe Ward Fork Road will construct approximately 2,800 LF of 4" PVC and 250 LF of 2" PVC to service two households.
- Mann Road will construct approximately 680 LF of 2" PVC to service three households.
- This project will also perform system rehab. The 30 East and 30 West Pump Stations will have the pumps rebuilt or replaced to increase performance, reduce operation, and maintenance costs, and to ensure that there are no service interruptions.
- The valves and piping will be replaced at the KY 541 River Caney and KY 28 Pressure Reducing Vaults.

ENVIRONMENTAL CERTIFICATION

With reference to the above projects, I, the undersigned officer of the grantee, certify:

That the grantee has at least seven (7) days prior to submitting this request for release of funds and certification, published and disseminated in the manner prescribed by 24 CFR 58.43, a notice to the public (a copy of which is attached) in accordance with 24 CFR 58.70;

That the applicant has fully carried out its responsibilities for environmental review, decision-making and action pertaining to the project named above; that the applicant has complied with the National Environmental Policy Act of 1969; that the applicant has complied with environmental procedures, permit requirements and the statutory obligations of the laws cited in 24 CFR 58.5(a)(2); and that the applicant has taken into account the environmental criteria standards, permit requirements and other obligations applicable to the project under the other related laws and authorities cited under such laws and in 24 CFR 58.5;

That the level of environmental clearance carried out by the applicant in connection with the said project () did (X) did not require the preparation and dissemination of an environmental impact statement;

That the dates upon which all statutory and regulatory time periods for review, comment or other response or action to this clearance began and ended as indicated below; that all such dates which are applicable to this aforesaid clearance are indicated below; and that the expiration of each of the time periods indicated below, applicant is in compliance with the requirement of 24 CFR Part 58:

Item	Publication MO/DAY/YR	Commence MO/DAY/YR	Expire MO/DAY/YR
Notice of Finding of No Significant Impact (FONSI): Publication Date			
Same: Comment period			
Notice of Intent to Request Release of Funds (NOI/RROF): Publication Date			
Concurrent Notice (FONSI & NOI/RROF): Publication Date	1/6/2021		
Same: Local Comment Period		1/7/2021	1/21/2021
State Decision Period		1/28/2021	2/11/2021
Notice of Intent to Prepare EIS: Publication			
Draft EIS: Comment Period			
Same: 90-day period (NEPA Regs)			
Final EIS: 30-day period (NEPA Regs)			
Other (Specify) Early Floodplain Notice	11/4/2020	11/5/2020	11/19/2020
Other (Specify) Notice of Explanation	11/25/2020	11/26/2020	12/12/2020

That I am authorized to, and do, consent to assume the status of responsible federal official under the National Environmental Policy Act of 1969 and each provision of law specified in 24 CFR 58.5 insofar as the provisions of these laws apply to the HUD responsibilities for environmental review, decision-making and action as to environmental issues, preparation and circulation of draft, final and supplemental environmental impact statements, and assumption of lead agency or cooperation agency responsible for preparation of such statements on behalf of Federal agencies including HUD, when these agencies consent to such assumption;

That I am authorized to consent to, and do, accept on behalf of the applicant and personally, the jurisdiction of the Federal courts for the enforcement of all these responsibilities, in my official capacity as certifying officer of the applicant.

Breathitt County Water District
Applicant Name

Chairman – 1137 Main Street, Suite 305 Jackson, KY 41339
Signature, Title and Address of
Certifying Officer of Applicant
Bobby Thorpe, Jr.

Name, Environmental Certifying Officer
1137 Main Street, Suite 305
Jackson, KY 41339

Contract #:
KY – 19554 – R1 – 2020 (19A – 002)

Warning – Section 1001 of Title 18 of the United States Code and Criminal Procedure shall apply to this certification. Title 18 provides, among other things, that whoever knowingly makes or uses a document or writing containing any false, fictitious or fraudulent statement or entry, in any matter within the jurisdiction of any department or agency of the United States, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

DLG Environmental Submittal Checklist

Project/Program Name: Breathitt Waterline Extension Phase 2

Project/Program ID Number: KY-19554-R1-2020 (19A – 002)

Project Location (if applicable):

- Mann Road Waterline Jackson, KY 41339 – GPS Coordinates: Latitude 37°32'22.161"N; Longitude -83°20'21.26"W
- River Caney PRV Jackson, KY 41339 – GPS Coordinates: Latitude 37°24'47.914" N; Longitude -83°19'14.383"W
- KY 28 PRV Jackson, KY 41339– GPS Coordinates: Latitude 37°23'18.041N; Longitude -83°29'43.521"W
- Creekside Road Water Line Jackson, KY 41339 – GPS Coordinates: Latitude 37°29'43.809"N; Longitude -83°27'24.457"W
- HWY 30 East Pump Station Jackson, KY 41339– GPS Coordinates: Latitude 37°31'9.807"N; Longitude -83°24'39.195"W
- KY 30 East Tank Jackson, KY 41339 – GPS Coordinates: Latitude 37°32'58.648"N; Longitude -83°20'39.195"W
- Joe Ward Fork Waterline Jackson, KY 41339– GPS Coordinates: Latitude 37°39'50.45"N; Longitude -83°17'28.416"W
- KY 541 PRV Jackson, KY 41339– GPS Coordinates: Latitude 37°36'11.662"N; Longitude -83°25'57.17"W
- War Creek Waterline Jackson, KY 41339 – GPS Coordinates: Latitude 37°36'31.782"N; Longitude -83°29'26.597"W

Level of Environmental Review Completed:

Date Commitment and Expenditure of Funds was authorized by the Responsible Entity/Environmental Certifying Officer: _____

Exempt [§58.34(a)] Date completed: _____

Environmental Review Status Form submitted to KY DLG Date: _____
Exempt/CENST determination form

Request for Approval of Evidentiary Materials and Release of Funds submitted to KY DLG with copy of the above completed form Date: _____

Categorically excluded *not subject to §58.5* [§58.35(b)]
Date completed: _____

Environmental Review Status Form submitted to KY DLG Date: _____

Exempt/CENST determination form

Request for Approval of Evidentiary Materials and Release of Funds submitted to KY DLG with copy of the above completed form Date: _____

Categorically excluded *subject to §58.5* [§58.35(a)]:

Converted to exempt (§ 58.35(a)(12) Date converted: _____ **OR**

NOI/RROF published Date: _____

Environmental Certification submitted to KY DLG Date: _____

Request for Approval of Evidentiary Materials and Release of Funds submitted to KY DLG Date: _____

Environmental Review Status Form-submitted to KY DLG

KY State eClearinghouse comments-submitted to KY DLG

KY Heritage Council-SHPO comments and approval- submitted to KY DLG

All required publication(s) tear sheets- submitted to KY DLG

KY DLG Approval received Date signed by KY DLG: _____



Environmental Assessment (§58.36)

FONSI/NOI published Date: 1/6/2021

Environmental Certification submitted to KY DLG Date: 1/22/2021

Request for Approval of Evidentiary Materials and Release of Funds submitted to KY DLG Date: 1/22/2021

Environmental Review Status Form submitted to KY DLG Date: 1/22/2021

KY State eClearinghouse comments submitted to KY DLG 1/22/2021

KY Heritage Council-SHPO comments and approval- submitted to DLG 1/22/2021

All required publication(s) tear sheets- submitted to KY DLG 1/22/2021

KYDLG approval received Date signed by KY DLG: _____

Attachment 2-15
SAMPLE ENVIRONMENTAL REVIEW RECORD CHECKLIST

- Finding of Exemption and/or Categorical Exclusion not Subject to
- Statutory Checklist and all supporting documentation
- Historic Preservation Procedures Completed and Documented including Tribal Consultation
- Floodplains/Wetlands Procedures Completed and Documented
 - Early Public Notice Published
 - Notice of Explanation Published
- Environmental Assessment and Checklist (Format II) and all supporting documentation
- Notice of Intent to Request Release of Funds (NOIRROF) Publication (tear sheet)
- Concurrent Notice of Finding and No Significant Effect and Notice of Intent to Request Release of Funds (FONSI-NOIRROF) (tear sheet)
- Notice of Availability of Environmental Assessment (if joint project with Rural Development only)
- Distribution List for all Public Notices
- Comments Received and City/County responses
- Environmental Certification, Request for Approval of Evidentiary Materials and Release of Funds Submitted
- Post-Review Revisions and Changes, Written Decisions, Amendments and Supplements

(This listing is for all types of possible projects. For a more complete listing of required documentation for the ERR as it relates to a specific type of project, see Section 58.30 of the regulations and the Handbook Chapter 2.)

Exhibit 1
Clearinghouse Comments



ANDY BESHEAR
GOVERNOR

DEPARTMENT FOR LOCAL DEVELOPMENT
OFFICE OF THE GOVERNOR
100 AIRPORT ROAD, 3rd FLOOR
FRANKFORT, KENTUCKY 40601-8204
PHONE (502) 573-2382 FAX (502) 573-2939
TOLL FREE (800) 346-5606
www.dlg.ky.gov

DENNIS KEENE
COMMISSIONER

October 22, 2020

Mr. Bobby Thorpe
Breathitt County Water District
1137 Main Street, Suite 305
Jackson, KY

RE: Breathitt Waterline Extensions Phase 2
WX21025033
SAI# KY201909231203
CFDA# 23.002

Dear Mr. Thorpe:

Pursuant to your request, the State Clearinghouse will update its evaluation of SAI# **KY201909231203**. The State Clearinghouse has contacted appropriate state agencies and determined its previous comments regarding this proposal are still valid.

Please consider this correspondence as official notification that the State Clearinghouse is reaffirming its previous correspondence. This endorsement remains valid for a period of one (1) year from the date of this letter.

If you have any questions regarding this matter, please feel free to contact the State Clearinghouse at 502-573-2382.

Sincerely,

Lee Nalley
Kentucky State Clearinghouse



MATTHEW G. BEVIN
GOVERNOR

DEPARTMENT FOR LOCAL GOVERNMENT
OFFICE OF THE GOVERNOR
100 AIRPORT ROAD, 3rd FLOOR
FRANKFORT, KENTUCKY 40601-8204
PHONE (502) 573-2382 FAX (502) 573-2939
TOLL FREE (800) 346-5606/ TDD:711
WWW.kydlgweb.ky.gov

SANDRA K. DUNAHOO
COMMISSIONER

October 11, 2019

Mr. Bobby Thorpe
Breathitt County Water District
1137 Main Street, Suite 305
Jackson, KY 41339

RE: Breathitt Waterline Extensions Phase 2
WX21025033
SAI# KY201909231203
CFDA# 23.002

Dear Mr. Thorpe:

The Kentucky State e-Clearinghouse is the official designated Single Point of Contact (SPOC) for the Commonwealth pursuant to Presidential Executive Order 12372, and supported by Kentucky Statutes KRS 45.031. The primary function of the SPOC is to streamline the review aforementioned process for the applicant and the funding agency. This process helps in vocalizing the statutory and regulatory requirements. Information in the form of comments, if any, will be attached to this correspondence.

This proposal has been reviewed by the appropriate state agencies in the e-Clearinghouse for conflicts with state or local plans, goals and objectives. After receiving this letter, you should make it available to the funding agency and continue with the funding agencies application process. This e-clearinghouse SPOC letter signifies only that the project has followed the state reviewing requirements, and is neither a commitment of funds from this agency or any other state or federal agency. Please remember if any federal reviews are required the applicant must follow through with those federal agencies.

The results of this review are valid for one year from the date of this letter. If the project is not submitted to the funding agency or not approved within one year after the completion of this review, the applicant can request an extension by email to Lee.Nalley@ky.gov. If the project changes in any way after the review, the applicant must reapply through the eclearinghouse for a new review. There are no exceptions.

If you have any questions regarding this letter or the review process please contact the e-Clearinghouse office at 502-573-2382, ext. 274.

Sincerely,

Lee Nalley, SPOC
Kentucky State Clearinghouse

Attachment

Department for Environmental Protection
Louanna Aldridge

Joel Murphy - Endorse with Comments The proposed project is subject to Division of Water (DOW) jurisdiction because the following are or appear to be involved: water lines and appurtenances. Prior approval must be obtained from the DOW before construction can begin. The applicant must cite the State Application Identifier (SAI #KY201909231203) when submitting plans and specifications.

This project will provide service to four areas in the county. Creekside Road will service 5 households with approximately 5,761 linear feet of 4-inch PVC. War Creek Road will provide service to 18 households with approximately 9,406 linear feet of 4-inch PVC. Joe Ward Fork will construct approximately 2,800 linear feet of 4-inch PVC and 250 linear feet of 2-inch PVC to service 2 households. Mann Road will construct approximately 680 linear feet of 2-inch PVC to service 3 households. This project also includes the purchase of equipment which will include a service truck, mini excavator and an excavator trailer. The project will also perform system rehab. The 30 West and 30 East pump stations will have the pumps rebuilt/replaced to increase performance, reduce operation and maintenance costs and to ensure that there are no service interruptions. The valves and piping will be replaced at the KY 541, River Caney and KY 28 Pressure Reducing Vaults.

The non-significant deficiency noted as a result of the most recent Sanitary Survey (October 2017) should have been sufficiently addressed by this point. Additionally, recommendations listed within the most recent Sanitary Survey results letter (dated January 18, 2018), which have not already been implemented, are highly advised. Questions should be directed to Jennifer Taimi, Municipal Planning Section, (502) 782-7087, Jennifer.Taimi@ky.gov.

Plans and specifications that have been signed stamped and dated by a licensed professional engineer in Kentucky shall be submitted to the DOW for review and approval prior to the start of construction. Questions should be directed to Terry Humphries, Engineering Section, (502) 782-6983, Terry.Humphries@ky.gov.

Joe Ward Fork is included as a candidate Outstanding State Resource Water (OSRW) due to the support of a federally listed threatened or endangered species in the Frozen Creek Watershed. 401 KAR 10:031 Section 8 specifies additional water quality criteria that apply to OSRWs. In addition, best management practices should be utilized to reduce runoff from project construction activities into nearby waters. Questions should be directed to Andrea Fredenburg, Water Quality Branch, (502) 782-6950, Andrea.Fredenburg@ky.gov.

The pipeline construction along Big South Fork Branch Road and the pump station rehabilitation along KY-30 of this proposed project are within the Jackson Municipal Water Works designated Source Water Protection Areas, Zone # 1, 2, and 3. This proposed project is calculated to add approximately .0005 to .0006 Million Gallons per Day (MGD) of water demand. Questions should be directed to Chloe Brantley, Water Supply Section, (502) 782-6898, Chloe.Brantley@ky.gov.

Endorse. Questions should be directed to Daniel Fraley, Field Operations Branch, (606) 783-8655, Daniel.Fraley@ky.gov.

The proposed work is endorsed by the Groundwater Section of the Watershed Management Branch. However, there are domestic groundwater water well users in the vicinity of the proposed work. It is our recommendation that site be made aware of the requirements of 401 KAR 5:037 and the need to develop a Groundwater Protection Plan (GPP) for the protection of groundwater resources within that area. Questions should be directed to Kurtis Spears, Groundwater Section, (502) 782-7119, Kurtis.Spears@ky.gov or David Jackson, Groundwater Section, (502) 782-6986, DavidA.Jackson@ky.gov.

For pipeline stream crossings that are not covered under 401 KAR 4:050, a Kentucky DOW Application for Permit to Construct Across or Along a Stream must be submitted. Questions should be directed to Ron Dutta, Floodplain Management Section, (502) 782-6941, Ramendra.Dutta@ky.gov.

The Division of Enforcement does not object to the project proposed by the applicant. Questions should be directed to Tim Harrod, Division of Enforcement, (502) 782-6858, Timothy.Harrod@ky.gov.

If the construction area disturbed is equal to or greater than 1 acre, the applicant will need to apply for a Kentucky Pollutant Discharge Elimination System (KPDES) storm water discharge permit.

Utility line projects that cross a stream will require a Section 404 permit from the US Army Corps of Engineers and a 401 Water Quality Certification from DOW.

The Kentucky Division of Water supports the goals of EPA's Sustainable Infrastructure Initiative. This Initiative seeks to promote sustainable practices that will help to reduce the potential gap between funding needs and spending at the local and national level. The Sustainable Infrastructure Initiative will guide our efforts in changing how Kentucky views, values, manages, and invests in its water infrastructure. This website, www.epa.gov/waterinfrastructure/, contains information that will help you ensure your facility and operations are consistent with and can benefit from the aims of the Sustainable Infrastructure Initiative.

Division of Enforcement

Tim Harrod

The Division of Enforcement does not object to the project proposed by the applicant.

Tim Harrod, Enforcement Specialist
Division of Enforcement
Timothy.Harrod@ky.gov

Division of Water

Benjamin Currens

For pipeline stream crossings that are not covered under 401 KAR 4:050, a Kentucky Division of Water Application for Permit to Construct Across or Along a Stream must be submitted. Questions should be directed to Ron Dutta at 502-782-6941 or Ramendra.Dutta@ky.gov

The pipeline construction along Big South Fork Branch Rd and the pump station rehabilitation along KY-30 of this proposed project are within the Jackson Municipal Water Works designated Source Water Protection Areas, Zone # 1, 2, and 3. Questions should be directed to Chloe Brantley at 502-782-6898 or Chloe.Brantley@ky.gov.

This proposed project is calculated to add approximately .0005 to .0006 Million Gallons per Day (MGD) of water demand.

Division of Water

Andrea Fredenburg

Joe Ward Fork is included as a candidate Outstanding State Resource Water (OSRW) due to the support of a federally listed threatened or endangered species in the Frozen Creek Watershed. 401 KAR 10:031 Section 8 specifies additional water quality criteria that apply to OSRWs. In addition, best management practices should be utilized to reduce runoff from project construction activities into nearby waters.

Division of Water

Terry Humphries

Plans and specifications that have been signed stamped and dated by a licensed professional engineer in Kentucky shall be submitted to the Division of water for review and approval prior to the start of construction.

Division of Water

Jennifer Taimi

The non-significant deficiency noted as a result of the most recent Sanitary Survey (October 2017) should have been sufficiently addressed by this point. Additionally, recommendations listed within the most recent Sanitary Survey results letter (dated January 18, 2018), which have not already been implemented, are highly advised.

DOW

Daniel Fraley

Endorse

Fish and Wildlife

Dan Stoelb

To minimize impacts to the aquatic environment the Kentucky Dept. of Fish & Wildlife Resources recommends that erosion control measures be developed and implemented prior to construction to reduce siltation into waterways located within the project area. Such erosion control measures may include, but are not limited to silt fences, staked straw bales, brush barriers, sediment basins, and diversion ditches. Erosion control measures will need to be installed prior to construction and should be inspected and repaired regularly as needed. Please contact Dan Stoelb @ 502-892-4453 or Daniel.Stoelb@ky.gov if you have further questions or require additional information.

Kentucky Division of Water

Chloe Brantley

Project filed.

Kentucky Infrastructure Authority

Don Schierer

This project was reviewed in the WRIS Portal by KIA staff.

Kentucky River ADD

Jennifer McIntosh

KY River ADD has reviewed the project and it matches the project profile submitted to the WMC. The ADD asks that upon completion a copy of the as-builts be submitted digitally so that the WRIS may be updated.

Kentucky River Area Development District

Angelia Hall

For File

Kentucky Transportation Cabinet (10)
Jason Blackburn (D 10)

Applicant must acquire any necessary Highway Encroachment Permit before starting any work along Commonwealth Right of Way.

Kentucky Public Service Commission
Sam Reid

The PSC Staff's review and comments concerning the project signify only that the documents provided in support of the project appear sufficient to meet the state application requirements set forth in KRS 45:031. The PSC Staff's review and comments on projects in the eClearinghouse are for informational purposes only. Nothing stated herein is binding on the PSC, nor should be interpreted as fulfilling any statutory or regulatory requirement applicable to the project in any proceeding before the PSC.

KY Department of Housing Buildings and Construction
Duane Curry

The Kentucky Department of Housing, Buildings and Construction approves with no comments.

KY Heritage Council
Yvonne Sherrick

To receive a review from the KY Heritage Council/State Historical Preservation Office (SHPO) you must follow the instructions located on their website at <http://www.heritage.ky.gov/siteprotect/> . There you will find the required documents for the Section 106 Review and Compliance for 36 CFR Part 800. This Section 106 submission process to SHPO will assist applicants and agencies in providing the appropriate level of information to receive comments from SHPO. If you have any questions please contact Yvonne Sherrick, Administrative Specialist III, (502) 564-7005, Ext. 113, yvonne.sherrick@ky.gov.

Please note: If your project is funded through Transportation Alternative (TAP), Transportation Enhancements (TE), Congestion, Mitigation, Air Quality (CMAQ), or Safe Routes to School (SRTS) you will need to send this information to Michael Jones, Historic Preservation Program Administrator with the Kentucky Transportation Cabinet via email MichaelR.Jones2@ky.gov or hard copy to Michael Jones, Office of Local Programs, KY Transportation Cabinet, 200 Mero Street Frankfort, KY 40622. Do not send materials directly to SHPO if your project involves funding from these four sources as it will cause delays in the review process. Michael Jones will consult directly with the SHPO on projects with these funding sources to complete the Section 106 review.

KY. Division of Water
Kurtis Spears

The proposed work is endorsed by the Groundwater Section of the Watershed Management Branch. However, there are domestic groundwater water well users in the vicinity of the proposed work. It is our recommendation that site be made aware of the requirements of 401 KAR 5:037 and the need to develop a Groundwater Protection Plan (GPP) for the protection of groundwater resources within that area. Questions should be directed to Kurtis Spears (502-782-7119) or the Section Supervisor David Jackson (502-782-6986).

Exhibit 2
State Historic Preservation Officer (SHPO)
Correspondence



ANDY BESHEAR
GOVERNOR

TOURISM, ARTS AND HERITAGE CABINET
KENTUCKY HERITAGE COUNCIL
THE STATE HISTORIC PRESERVATION OFFICE
410 HIGH STREET
FRANKFORT, KENTUCKY 40601
(502) 564-7005
www.heritage.ky.gov

MICHAEL E. BERRY
SECRETARY

JACQUELINE COLEMAN
LT. GOVERNOR

CRAIG A. POTTS
EXECUTIVE DIRECTOR &
STATE HISTORIC
PRESERVATION OFFICER

November 17, 2020

Ms. Shannon Ritchie
Kentucky River ADD
941 N. Main St.
Hazard, Kentucky 41701

Re: Breathitt County Water District – Breathitt Waterline Extensions Phase 2 Project

Dear Ms. Ritchie,

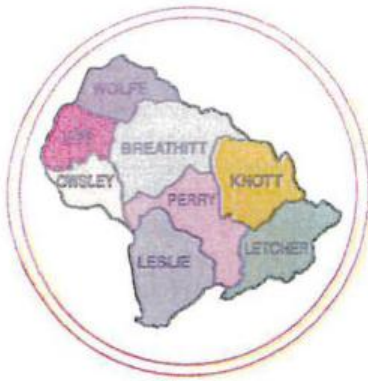
Thank you for your recent submission of information for Section 106 review and compliance. We understand that this project proposes new construction of water lines. Due to the small and narrow project footprint in predominantly previously disturbed areas, we do not believe that cultural resource survey of this area is warranted at this time.

Based on the information submitted, we would concur with a determination of *No Historic Properties Affected* for this project.

In the unlikely event that human remains are found during construction for this project, work should cease immediately, and the county coroner and the Kentucky Heritage Council should be contacted. Should project plans change or there be any future concerns or questions regarding cultural resources in the vicinity of this project area, please do not hesitate to contact Nicolas Laracuenta at nicolas.laracuenta@ky.gov.

Sincerely,

Craig A. Potts,
Executive Director and
State Historic Preservation Officer



Kentucky River

AREA
DEVELOPMENT
DISTRICT

941 N. MAIN ST. • HAZARD, KENTUCKY 41701 • PHONE 606-436-3158

October 21, 2020

Mr. Craig Potts
Executive Director/State Historic Preservation Officer
Kentucky Heritage Council
300 Washington Street
Frankfort, KY 40601

RE: Breathitt County Water District – Breathitt Waterline Extensions Phase 2 Project

Dear Mr. Potts:

The Breathitt County Water District is in the process of conducting an environmental review pursuant to the State Environmental Review Process for the Appalachian Regional Commission. The purpose of the review is to assess the environmental impacts of the Breathitt Waterline Extensions Phase 2 Project located in Breathitt County, Jackson, Kentucky.

Enclosed is the KHC cover sheet for Section 106 Review and Compliance containing project information. Also enclosed you will find project maps and photographs of the project site including anything over 50 years of age visible from the project site.

As documented by the maps and supporting documentation enclosed, there will be minimal ground disturbance to previously the disturbed right-of-way or existing easements. Due to the nature of the project, we feel that there will be no effect on properties eligible for the Historic Register or on any historical structures. Please advise us of any present concerns your office may have related to possible effects of the above mentioned project.

We would appreciate a response within 30 days, if possible. If you need any further information or wish to discuss the project, please feel free to contact me at (606) 436-3158 or by email at shannonr@kradd.org.

Sincerely,

Shannon Ritchie
Community and Economic Development Specialist

enclosures
cc: Breathitt County Water District

CHAIRMAN
Pam Pilgrim
VICE-CHAIRMAN
Tracy Neice
Mayor
TREASURER
Terry Adams
Judge/Executive
SECRETARY
Gregory Whitson
PARLIAMENTARIAN
Laura Thomas
Mayor

BOARD OF DIRECTORS

County Judges Executives
Jeff Noble - Breathitt Co.
Jeff Dobson - Knott Co.
Chuck Caudill - Lee Co.
William R. Lewis - Leslie Co.
Terry Adams - Letcher Co.
Cale Turner - Owsley Co.
Scott Alexander - Perry Co.
Raymond Banks - Wolfe Co.
Mayors
Laura Thomas - Jackson
Tracy Neice - Hindman
Scott Cornett - Pippa Passes
Scott Jackson - Beattyville
Carol Joseph - Hyden
Susan Polis - Fleming-Neon
James W. Craft - Whitesburg
Todd DePriest - Jenkins
Nelson Bobrowski - Booneville
Ernest Back - Vicco
Donald "Happy" Mobellini - Hazard
Tom Burns - Buckhorn
Kathi May - Campton
Citizen Members
Roy Darrell Herald
Gary Campbell
Ray D. Moore
Larry Parke
Larry Perkins
Zach Sandlin
Hiram Cornett
Eugene Stewart
Everett Marshall
Doug Brandenburg
Fred Hall
Jack Burkich
Dale Bishop
Derrick Bowling
Neil Napier
Gregory Whitson
Meriwether Wash-Hall
Pam Pilgrim
Shirley Halcomb

Executive Director
Michelle Allen

E-Mail: michelle@kradd.org
FAX NUMBER 606-436-2144
TDD NUMBER 1-800-247-2510
(Hearing Impaired)

**KENTUCKY HERITAGE COUNCIL COVER SHEET
FOR SECTION 106 REVIEW AND COMPLIANCE**

When federal (and some state) funds, permits or approvals are needed for a project, regulations such as 36 CFR Part 800 require agencies or their delegates to consult with the Kentucky Heritage Council/State Historic Preservation Office regarding the project's potential effects on historic properties. To facilitate our review, please provide the following information and applicable attachments. Our office will generate a response within 30 days of receipt. Incomplete submissions may result in review delays.

SECTION 1: APPLICANT INFORMATION

Project Sponsor or Applicant: Breathitt County Water District

Contact Person (name & position): Bobby Thorpe, Jr.

Telephone: 606-666-2860 **E-mail:** breathittwater@yahoo.com

Project Title: Breathitt Waterline Extensions Phase 2

SECTION 2: AGENCY INFORMATION

Funding/Permitting Agency: Appalachian Regional Commission

Agency Contact Person (name & position): Scott Sharp

Telephone: 502-892-3476 **E-mail:** scott.sharp@ky.gov

SECTION 3: PROJECT LOCATION

E911 Street Address (or other description): A coords map is attached with a names of each location

City/Township: Jackson **County:** Breathitt

Latitude: A complete list is attached **Longitude:** A complete list is attached

SECTION 4: PROJECT TYPE (please check all that apply)

Proposed Activity: Demolition Rehabilitation Structural Relocation Trails

New Construction Land and/or Building Acquisition Sewer/Water Lines Roads/Bridges

Non-Construction Planning/Refinancing Other (describe):

SECTION 5: IDENTIFICATION OF KNOWN HISTORIC PROPERTIES

KHC Preliminary Site Check #: 62058762 **OSA Preliminary Site Check #:** 272921

If your project involves ground disturbance, has the site been previously disturbed?

Yes (describe in detail below) No

The four roads with new waterline construction will utilize state row and bore technology when necessary. The pump station repairs will not require ground disturbance nor will the repairs at the PRV's.

Is there anything over 50 years of age in or visible from the project location? Yes No

SECTION 6: ATTACHMENTS

Please attach the following documentation as applicable. All documentation should be labeled with the project name or site address.

- Clear, current photographs of the project site and anything over 50 years of age in or visible from it.
- Site map/plan indicating the exact location and boundaries of the project area.
- Detailed description of the project (may include plans, scope of work, and other available information.)
- Documentation of prior ground disturbance (e.g. maps, photographs, underground utility plans, etc.)
- Any known information about the history/use of the property and local significance.

We are unable to accept electronic submissions at this time. Please submit all information to Craig Potts, Executive Director/SHPO, Kentucky Heritage Council, 300 Washington St., Frankfort, KY 40601.

BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 COORDS MAP

Joe Ward Frk W/L
Lat 37°39'50.45"N
Long -83°17'28.416"W

War Creek W/L
Lat 37°36'31.782"N
Long -83°29'26.597"W

KY 541 Tank
Lat 37°36'11.662"N
Long -83°25'57.17"W

Equipment
Lat 37°33'13.135"N
Long -83°23'2.371"W

KY 30 East Tank
Lat 37°32'58.648"N
Long -83°20'39.694"W

HWY 30 E Pump Sta
Lat 37°31'9.807"N
Long -83°24'39.195"W

Combs Frk W/L
Lat 37°29'43.809"N
Long -83°27'24.457"W

Freeman Fork Valve
Lat 37°23'18.041"N
Long -83°29'43.521"W

ManIntosh Fork Valve
Lat 37°24'47.914"N
Long -83°19'14.383"W

Legend


Proposed_Points

TYPE

 OTHER

 PUMP STATION

 VALVE

 Proposed_Waterlines

Project Description

This project will provide service to four areas in the Breathitt County Water District. Creekside Road will service five households with approximately 5,761 LF of 4" PVC. War Creek Road will provide service to eighteen households with approximately 9,406 LF of 4" PVC. Joe Ward Fork Road will construct approximately 2,800 LF of 4" PVC and 250 LF of 2" PVC to service two households. Mann Road will construct approximately 680 LF of 2" PVC to service three households. This project also includes the purchase of equipment which will include a service truck, mini excavator, and an excavator trailer. The project will also perform system rehab. The 30 West and 30 East pump stations will have the pumps rebuilt or replaced to increase performance, reduce operation and maintenance costs, and to ensure that there are no service interruptions. The valves and piping will be replaced at the KY 541 River Caney and KY 28 Pressure Reducing Vaults.

Kentucky Office of State Archaeology

University of Kentucky, 1020A Export Street, Lexington, KY 40506
Phone:859-257-1944 Fax:859-323-1698 email:ky-osa@lsv.uky.edu

**Confidential Information
Not for Public Release**

Preliminary Records Review Coversheet

Date Request Processed: 09/28/2020

Preliminary Review Number: 272921

Paid via: Check (Check No.:)

Credit Card (Transaction ID: 1560998800)

If you have any questions, please contact KyOSA at (859)257-1944 or ky-osa@lsv.uky.edu.

Kentucky Office of State Archaeology

University of Kentucky, 1020A Export Street, Lexington, KY 40506

Phone:(859)257-1944 Fax: (859)323-9866 Email: ky-osa@uky.edu

Confidential Information; Not for Public Release

Prelim Request Number: 272921

Title: Breathitt County Water Project

This report includes only previously recorded archaeological resources within your project area and its immediate vicinity and may not be exhaustive of all archaeological resources actually present. This information does not constitute Section 106 consultation or 'clearance' from the KHC/SHPO.

Date Request Filled: 09/28/20

There are **no previously recorded archaeological sites** within your project area or an additional 30 m buffer.

Archaeological Project Areas

013-109 582984 2003 Kenneth A. Allgood

An Archaeological Survey of Proposed Water Tank and Booster Station Sites in Breathitt County, Kentucky

013-147 585634 2009 Michael J. Curran and Jennifer L. Barber

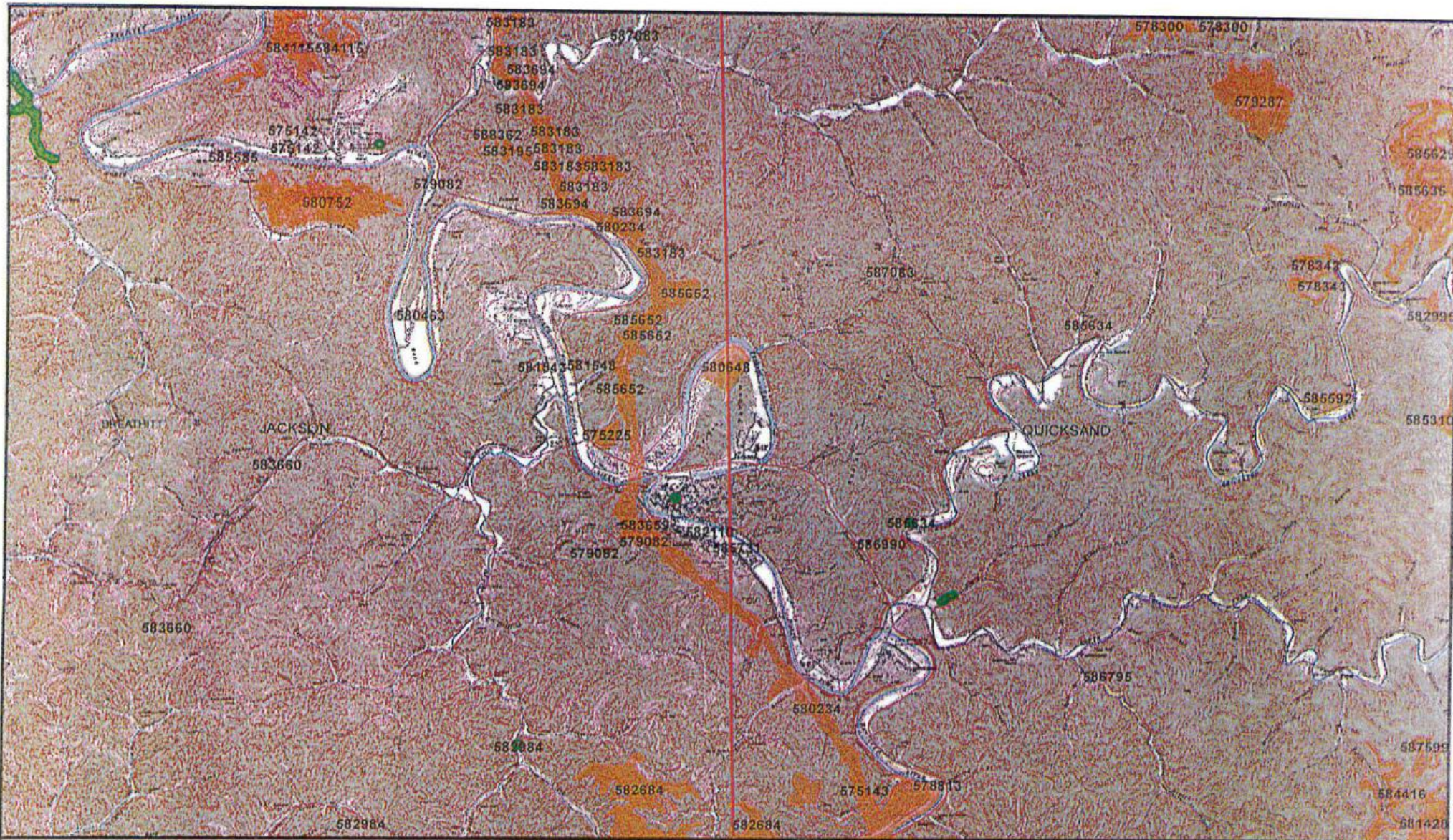
A Cultural Resource Survey of Two Proposed Breathitt County Water District Water Storage Tanks in Breathitt County, Kentucky




013-171 586918 2012 Lisa Hopwood, Richard L. Herndon, Holly B. Higgins and Jennifer Faberson

A Cultural Resource Survey of the Proposed Breathitt County Water District Waterline Project (Permit Number 2011-35) in Breathitt County, Kentucky

013-184 588267 2016 Marshall Wilson, Thomas McAlpine and Alexandra Bybee

An Archaeological Survey of the Proposed KY 315/KY 28 Waterline Project in Breathitt and Perry Counties, Kentucky



-  Project Coordinates Submitted to OSA
-  Previous Archaeological Survey Boundaries
-  Phase 2 & 3 Archaeological Surveys

Note: Archaeological Site Locations NOT Shown

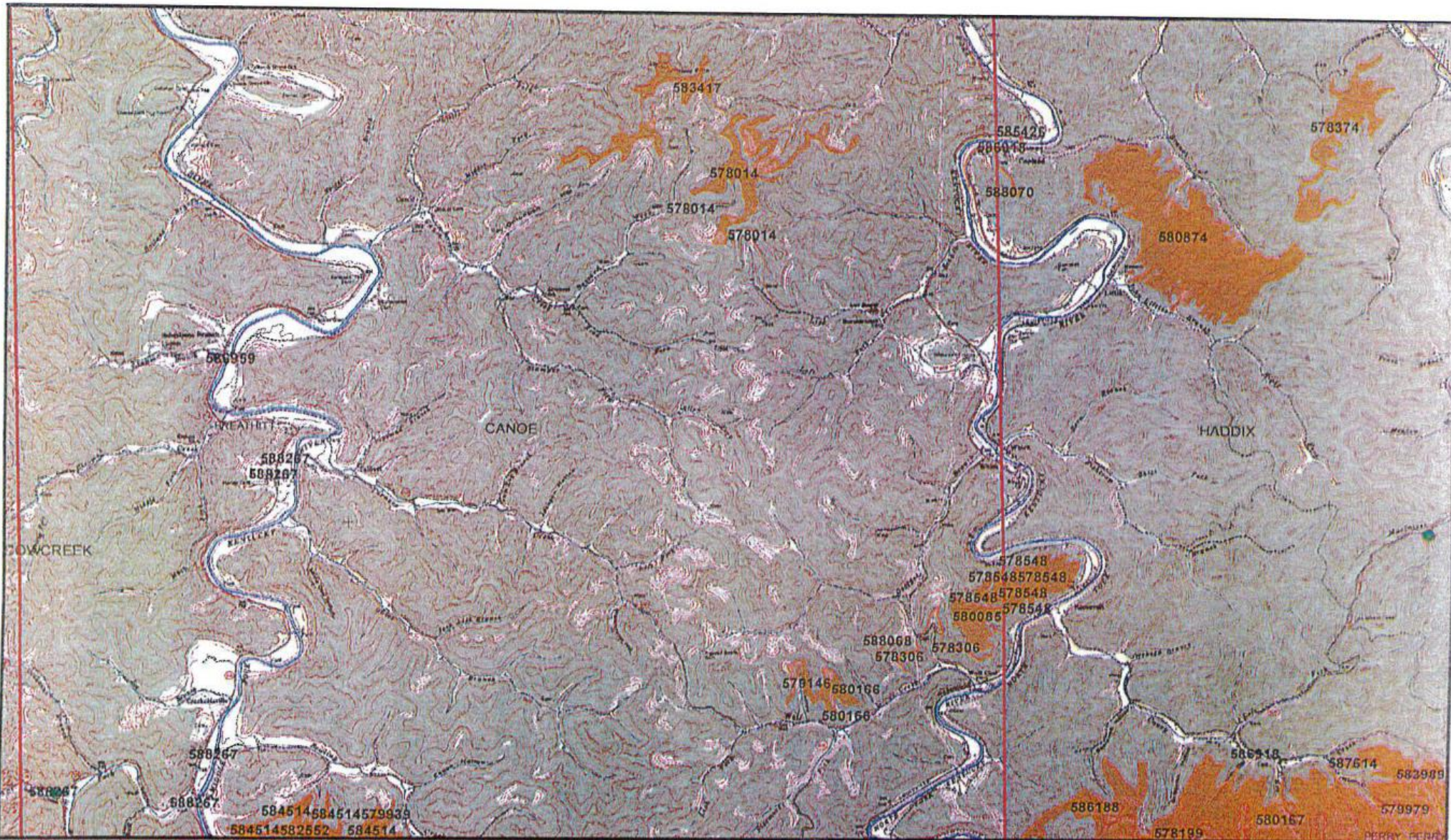





P272921
 Breathitt County Water Project (North)

Kentucky Office of State Archaeology
 University of Kentucky, 1020A Export Street, Lexington, KY 40506
 phone: 859-257-8207 email: ky-osa@uky.edu

Confidential Information: Not for Public Release

23



-  Project Coordinates Submitted to OSA
-  Previous Archaeological Survey Boundaries
-  Phase 2 & 3 Archaeological Surveys

Note: Archaeological Site Locations NOT Shown



P272921
Breathitt County Water Project (South)

Kentucky Office of State Archaeology
 University of Kentucky, 1020A Export Street, Lexington, KY 40506
 phone: 859-257-8207 email: ky-osa@uky.edu

Confidential Information: Not for Public Release

Kentucky Heritage Council

Site Identification Program

410 High Street, Frankfort, KY 40601

Confidential Information Not for Public Release

This information report includes only those historic resources within or near the project area that have been previously recorded with the Site Identification Program of the Kentucky Heritage Council and may not be exhaustive of all historic resources that are actually present. Note: this information report does not constitute Section 106 consultation or "clearance" from the KHC/SHPO.

KHC Preliminary Request #: 62058762

Date: 9/28/2020

KHC National Register Districts

DISTRICT NAME

JACKSON COMMERCIAL DISTRICT

Page 1 of 1

Please note that those resources for which National Register status is listed as 'undetermined' may include those that have been previously determined eligible for listing in the National Register of Historic Places as part of a consensus determination between the SHPO and a Federal agency, but for which the determination field has not yet been updated.

24

Kentucky Heritage Council

Site Identification Program

410 High Street, Frankfort, KY 40601

Confidential Information Not for Public Release

This information report includes only those historic resources within or near the project area that have been previously recorded with the Site Identification Program of the Kentucky Heritage Council and may not be exhaustive of all historic resources that are actually present. Note: this information report does not constitute Section 106 consultation or "clearance" from the KHC/SHPO.

KHC Preliminary Request #: 62058762

Date: 9/28/2020

KHC Historic Resources

Name	Location	Est. Construction	Architectural Style	NR Status
HOUSE	KY 30, QUICKSAND, KY	1950-1974		UNDETERMINED
SHED	KY 30, QUICKSAND, KY	1950-1974		UNDETERMINED
HOTEL JEFFERSON	1119 MAIN	1900-1924		N/R DISTRICT CONTRI. SITE
JACKSON DEPOSIT BANK	413 COURT	1900-1924		N/R DISTRICT CONTRI. SITE
CRAWFORD & CO.	1125 MAIN	1875-1899		N/R DISTRICT CONTRI. SITE
METHODIST EPISCOPAL CHURCH	1022 COLLEGE	1900-1924		NATIONAL REGISTER

Page 1 of 2

Please note that those resources for which National Register status is listed as 'undetermined' may include those that have been previously determined eligible for listing in the National Register of Historic Places as part of a consensus determination between the SHPO and a Federal agency, but for which the determination field has not yet been updated.

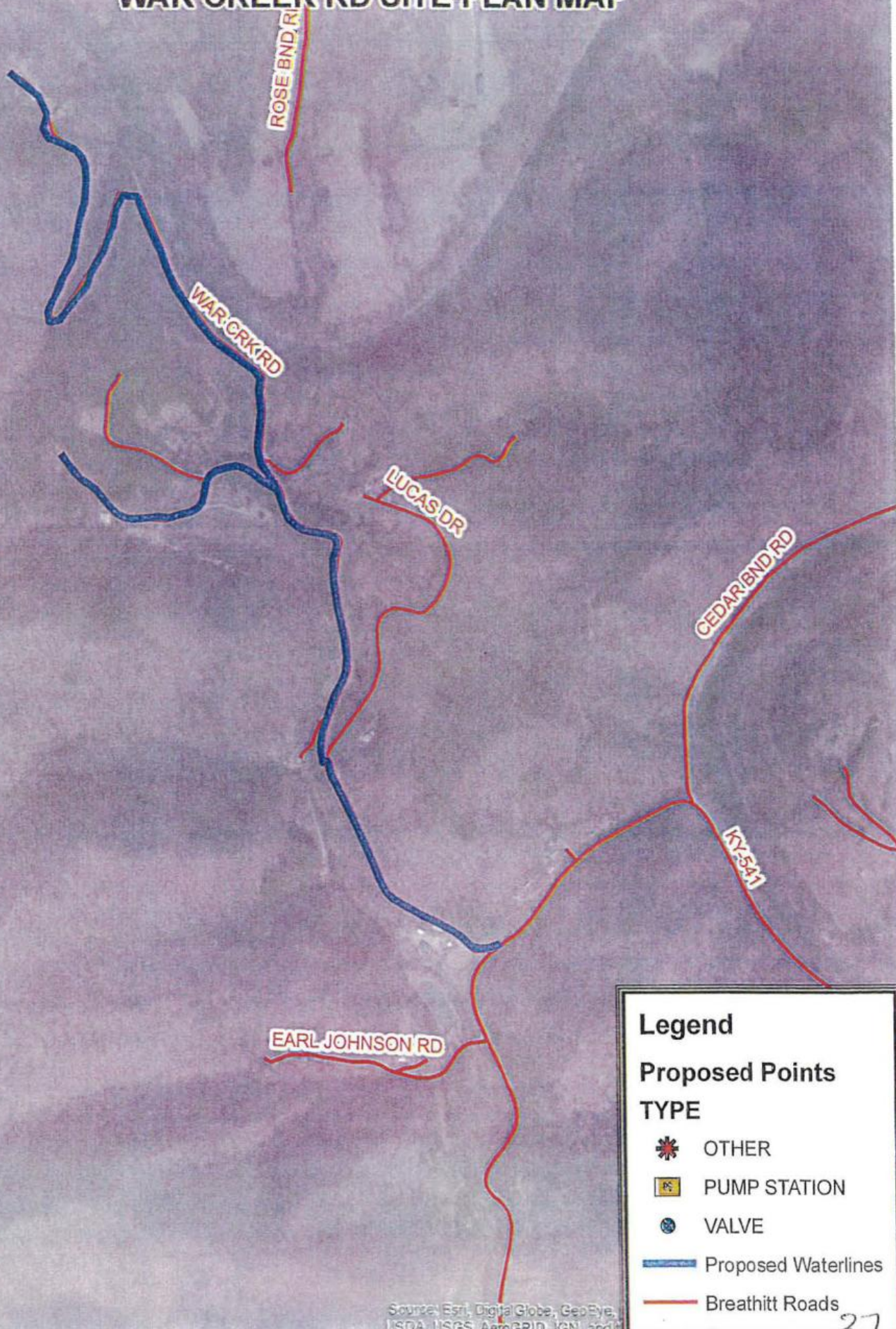
35

Name	Location	Est. Construction	Architectural Style	NR Status
SOUTH				
BREATHITT COUNTY JAIL	1027 COLLEGE	1925-1949		NATIONAL REGISTER

Please note that those resources for which National Register status is listed as 'undetermined' may include those that have been previously determined eligible for listing in the National Register of Historic Places as part of a consensus determination between the SHPO and a Federal agency, but for which the determination field has not yet been updated.

31

BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 WAR CREEK RD SITE PLAN MAP



Legend

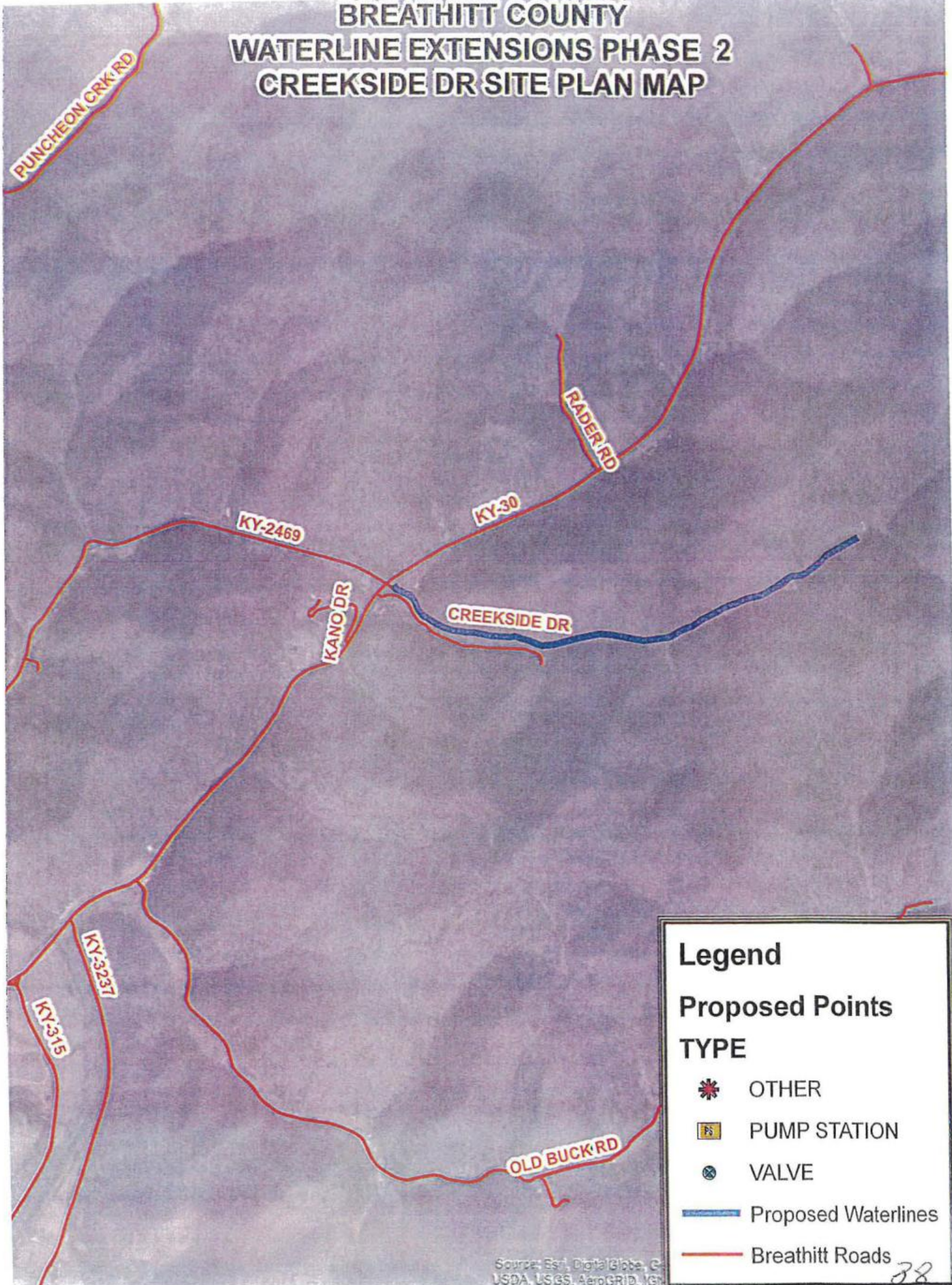
Proposed Points

TYPE

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines
-  Breathitt Roads




Source: Esri, Digital Globe, GeoEye, USDA, USGS, AeroGRID, IGN, and



BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 CREEKSIDE DR SITE PLAN MAP



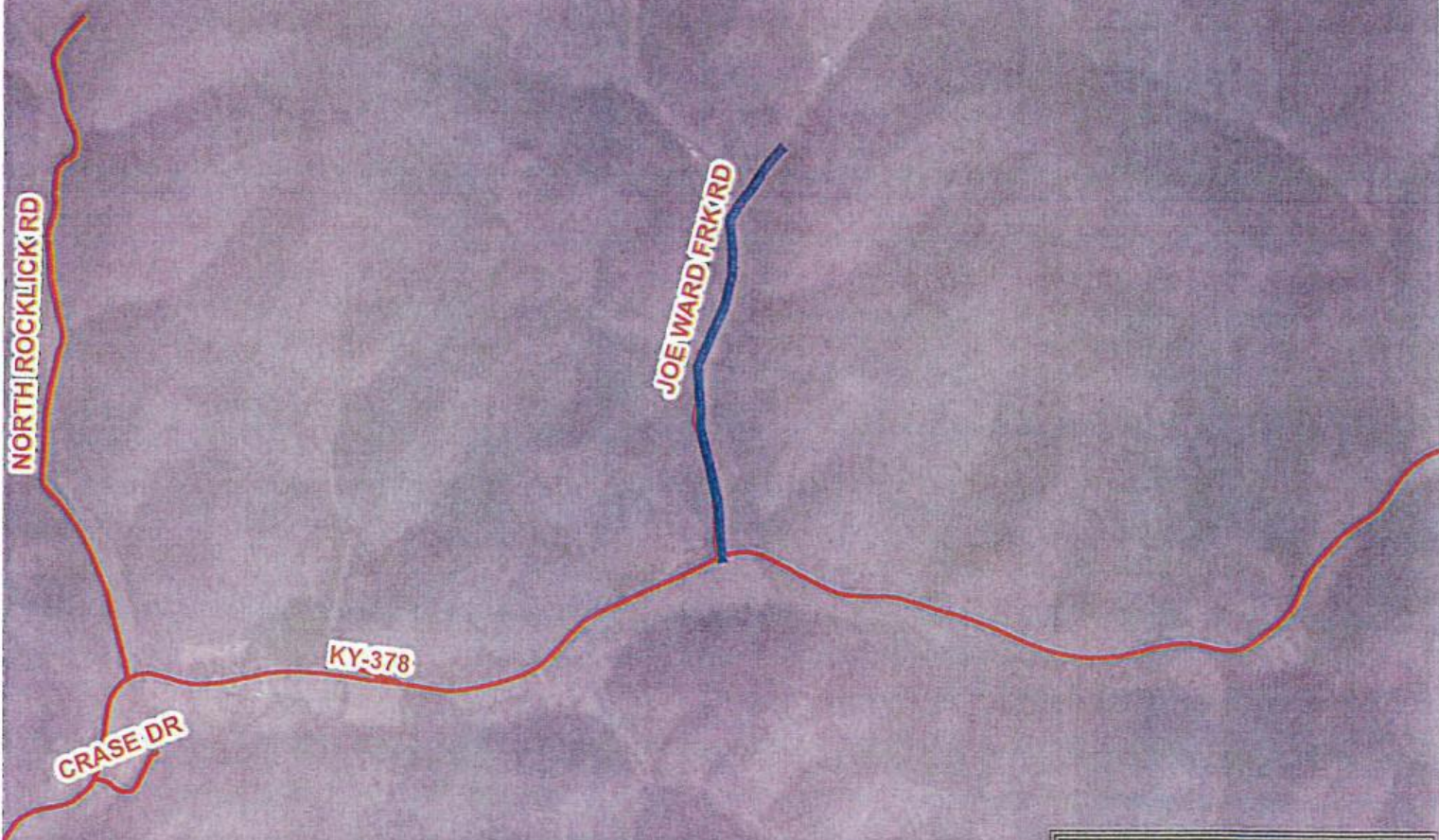
Legend

Proposed Points TYPE

-  OTHER
-  PUMP STATION
-  VALVE

-  Proposed Waterlines
-  Breathitt Roads




BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 JOE WARD FRK RD SITE PLAN MAP





Legend

Proposed Points

TYPE

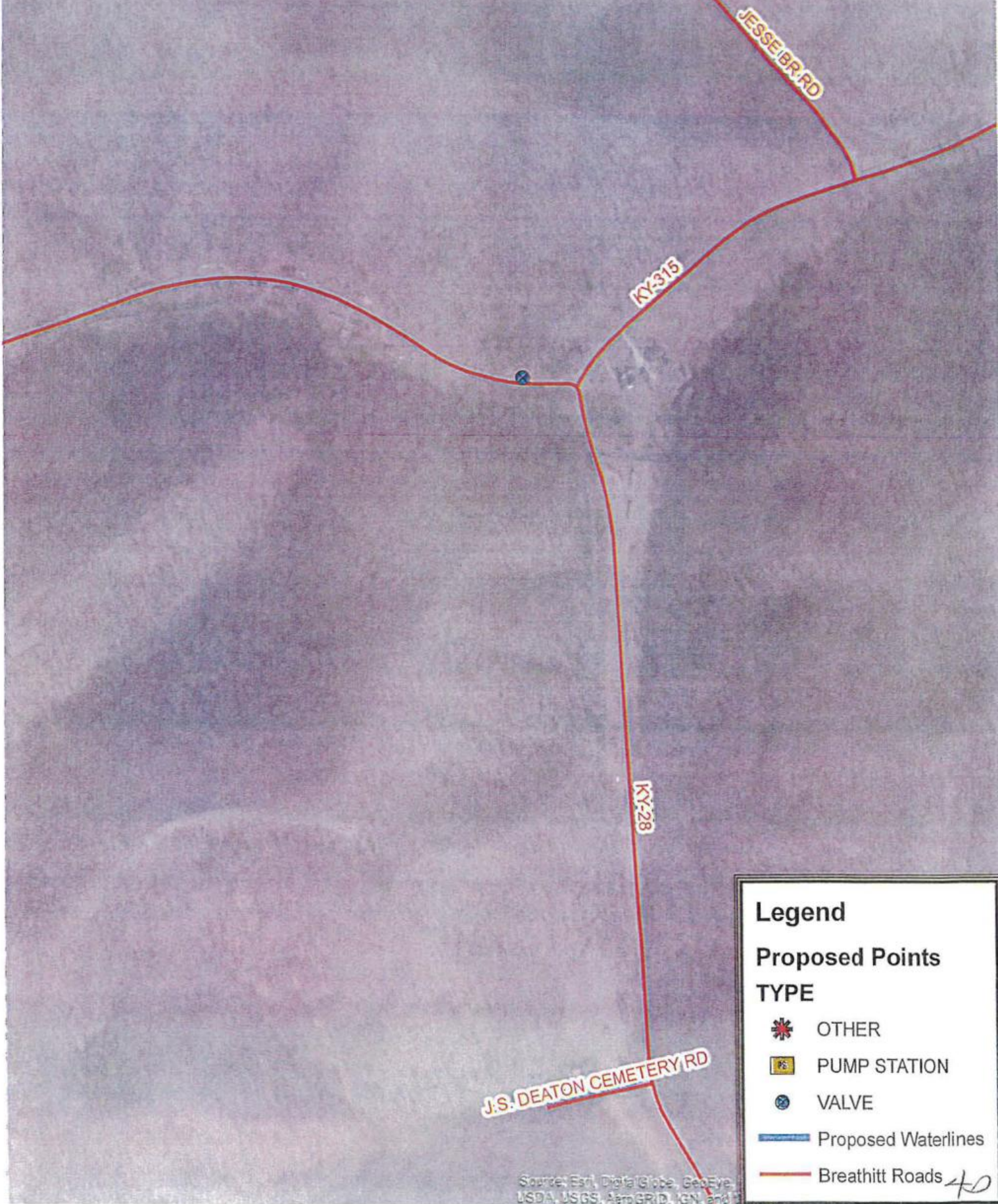
-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and

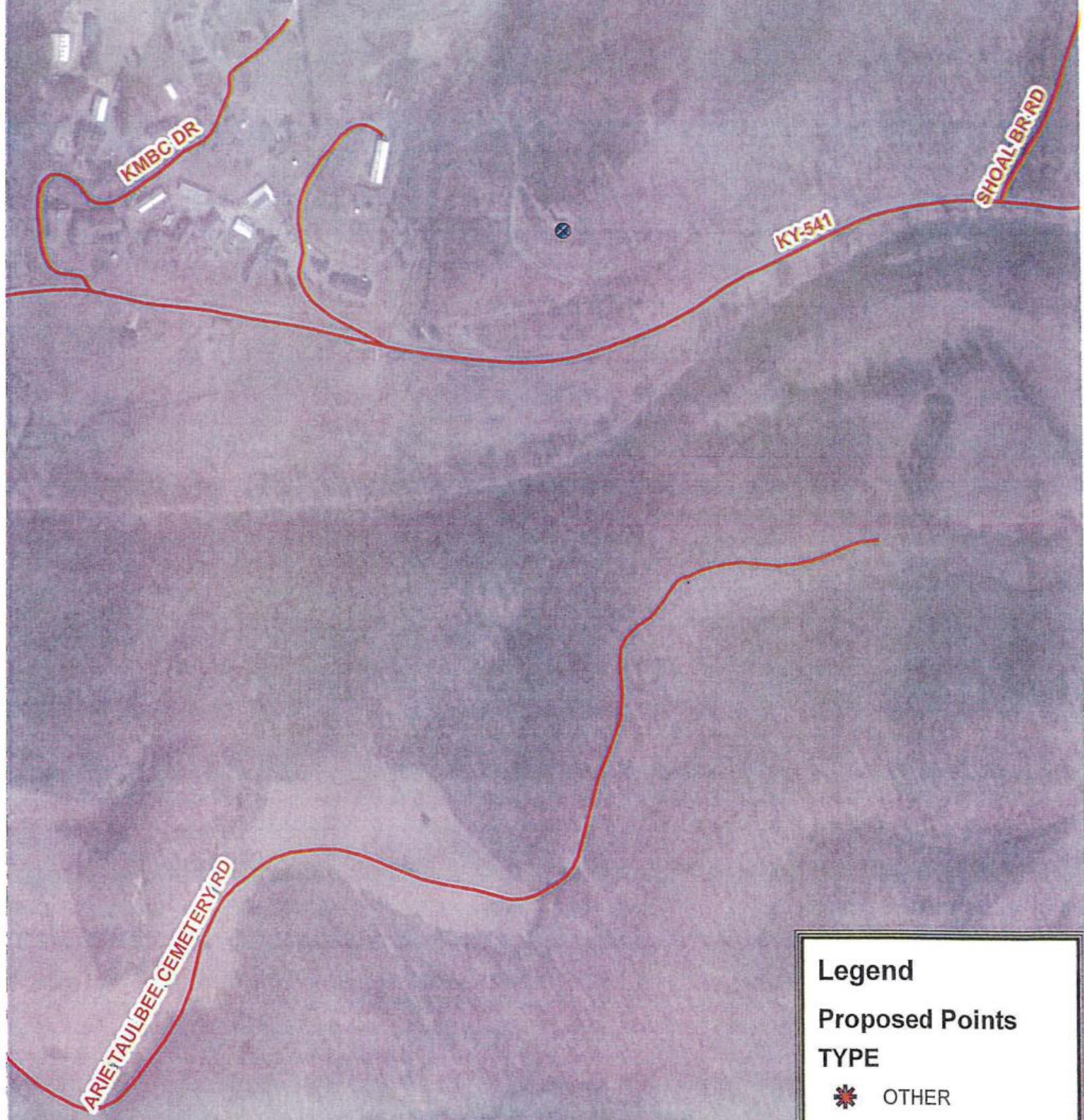
BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 28 PRESSURE RELIEF VALVE SITE PLAN MAP



Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and

40




BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 541 PRESSURE REDUCING VALVE SITE PLAN MAP




Legend

Proposed Points

TYPE

-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads 41

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and the

BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 30 W PUMP STATION SITE PLAN MAP



Legend

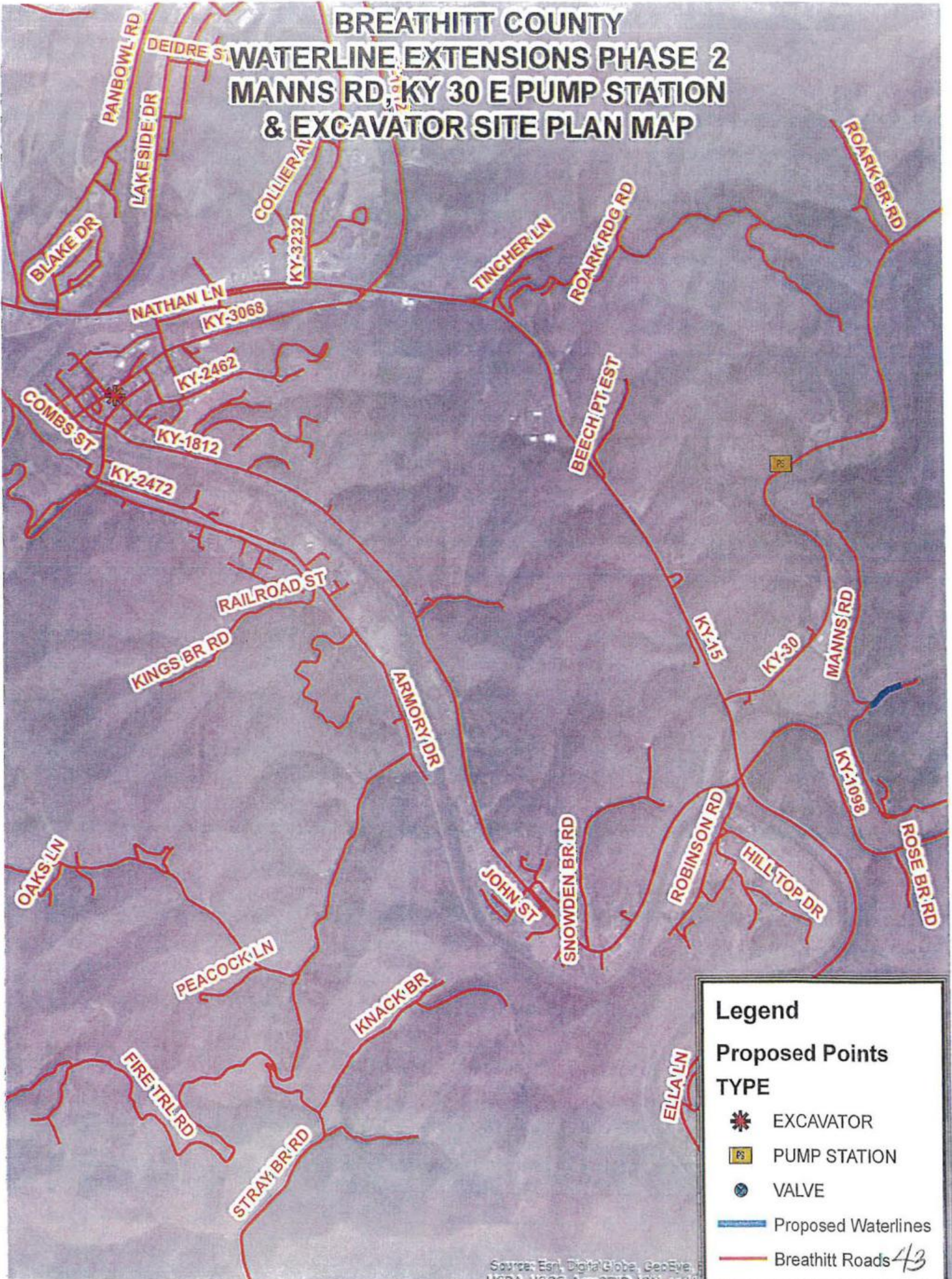
Proposed Points

TYPE

-  OTHER
-  PUMP STATION
-  VALVE
-  Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AeroGRID, IGN, and the GIS




BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 MANN'S RD, KY 30 E PUMP STATION & EXCAVATOR SITE PLAN MAP




Legend

Proposed Points

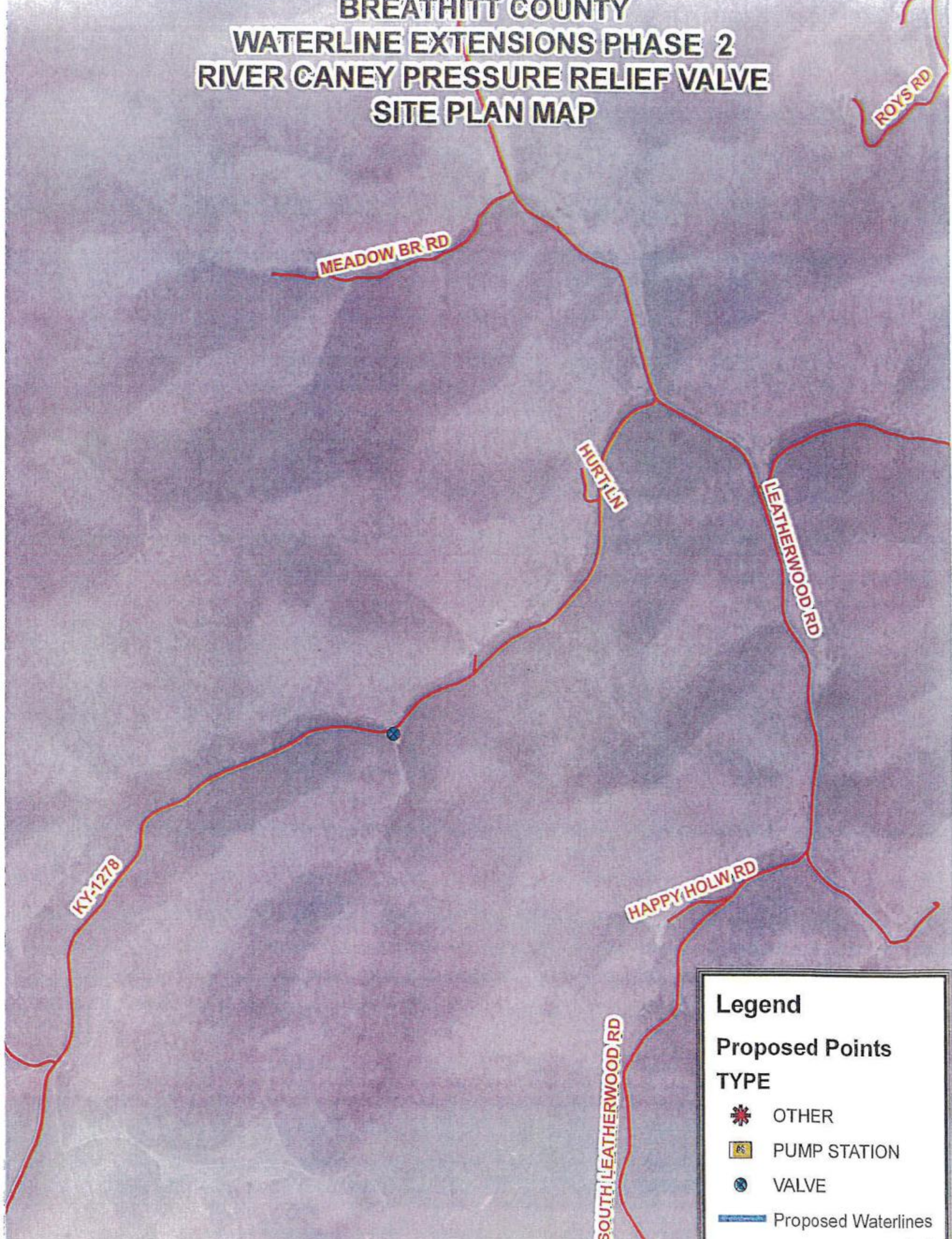
TYPE

-  EXCAVATOR
-  PUMP STATION
-  VALVE

 Proposed Waterlines

 Breathitt Roads *43*




BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 RIVER CANEY PRESSURE RELIEF VALVE SITE PLAN MAP





Legend

Proposed Points

TYPE

-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

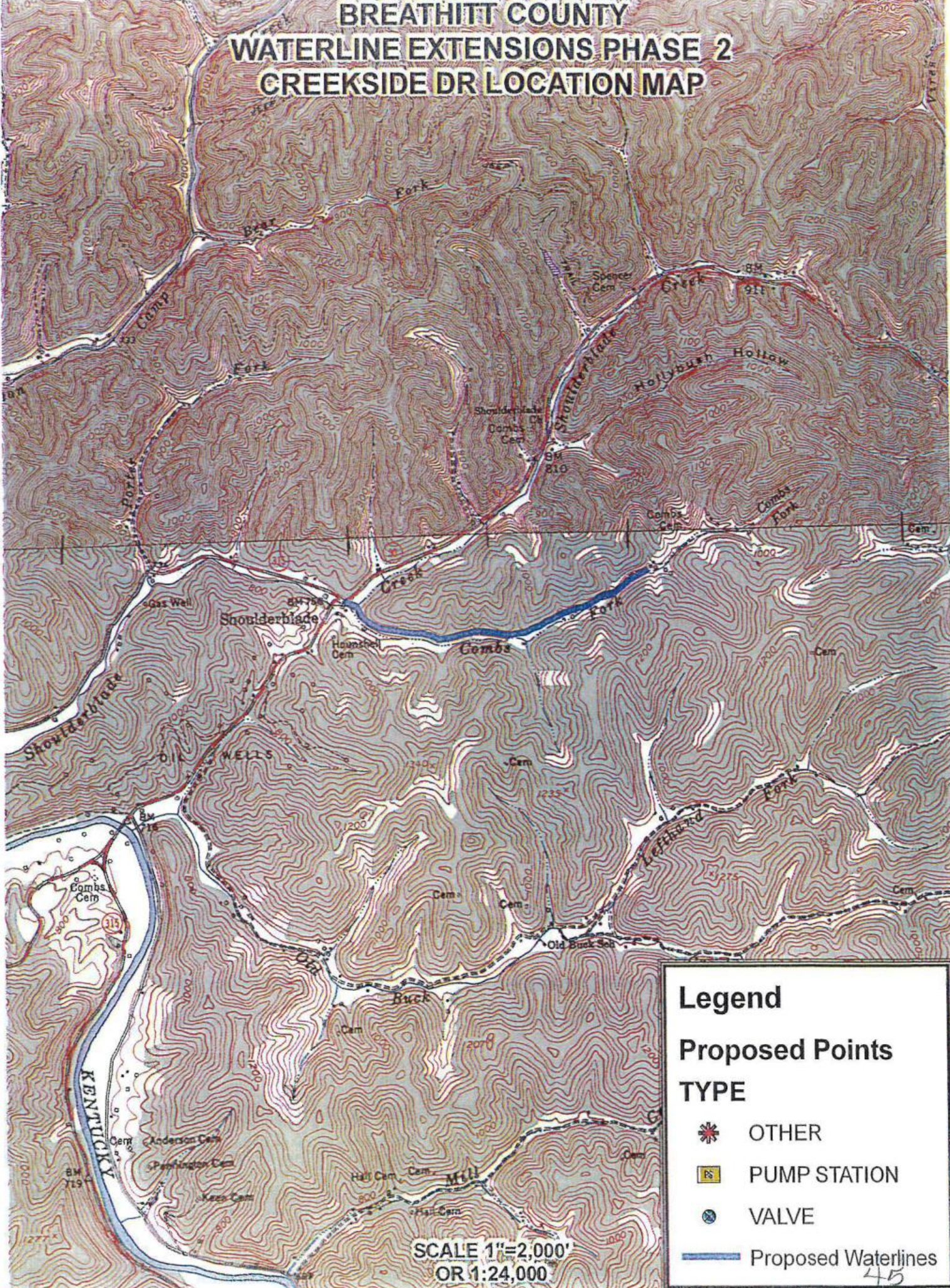
 Breathitt Roads

Source: Esri, DigitalGlobe, GeoEye, USDA, USGS, AeroGRID, IGN, and

KY-1278

44





BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 CREEKSIDE DR LOCATION MAP



Legend

Proposed Points

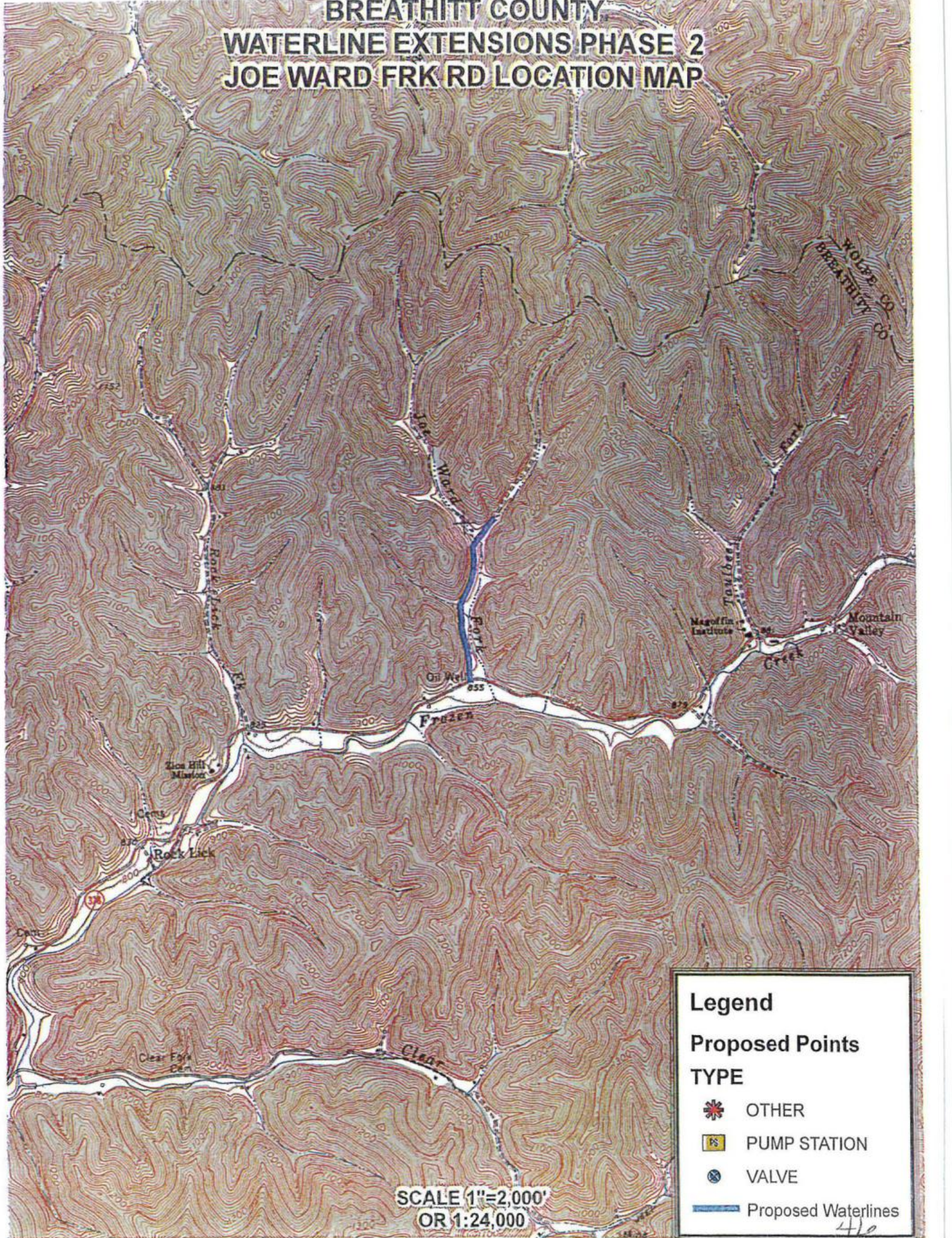
TYPE

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

SCALE 1"=2,000'
OR 1:24,000

45




BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 JOE WARD FRK RD LOCATION MAP




Legend

Proposed Points

TYPE

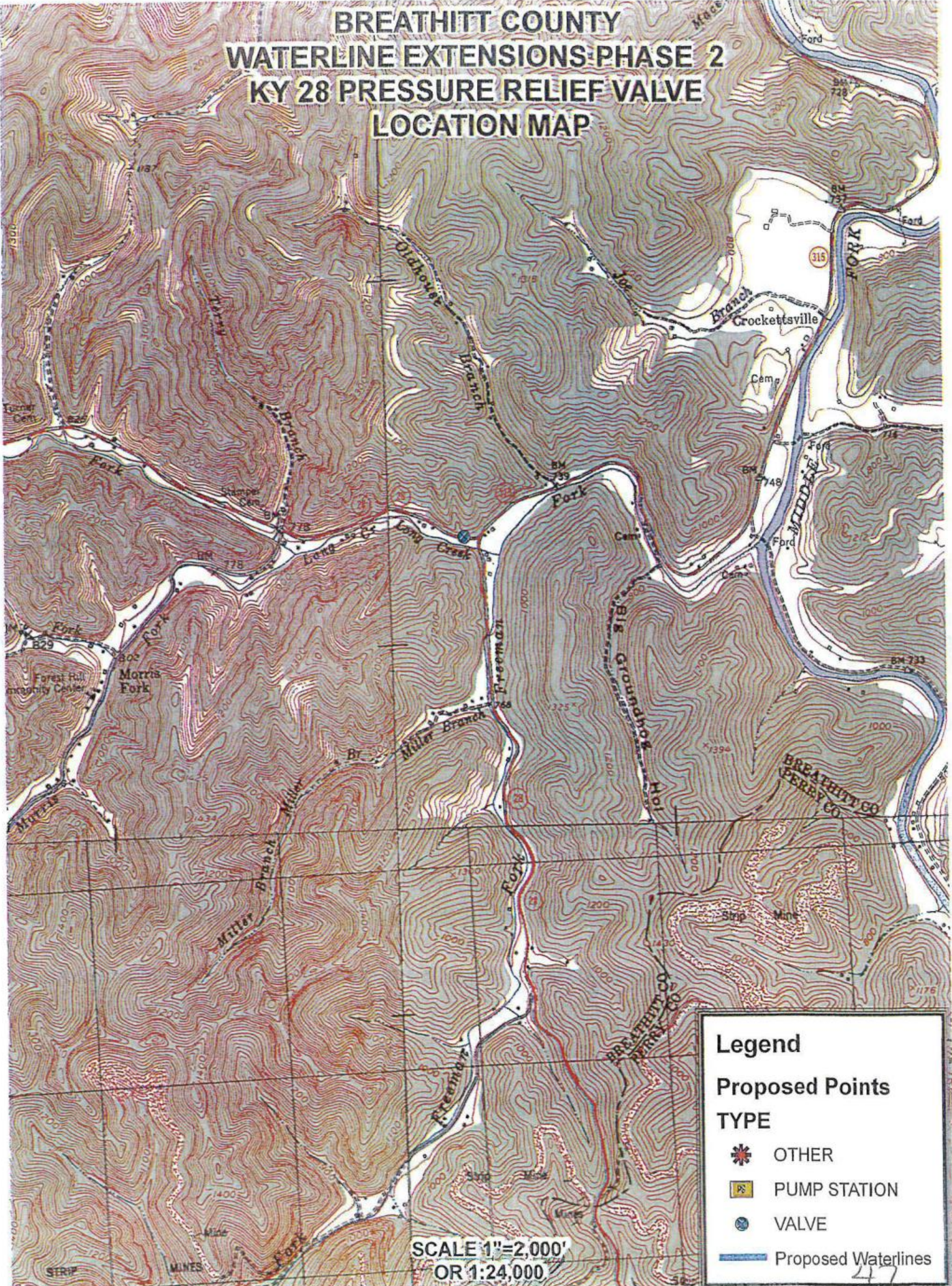
-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

410

SCALE 1"=2,000'
OR 1:24,000





BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 28 PRESSURE RELIEF VALVE LOCATION MAP



Legend

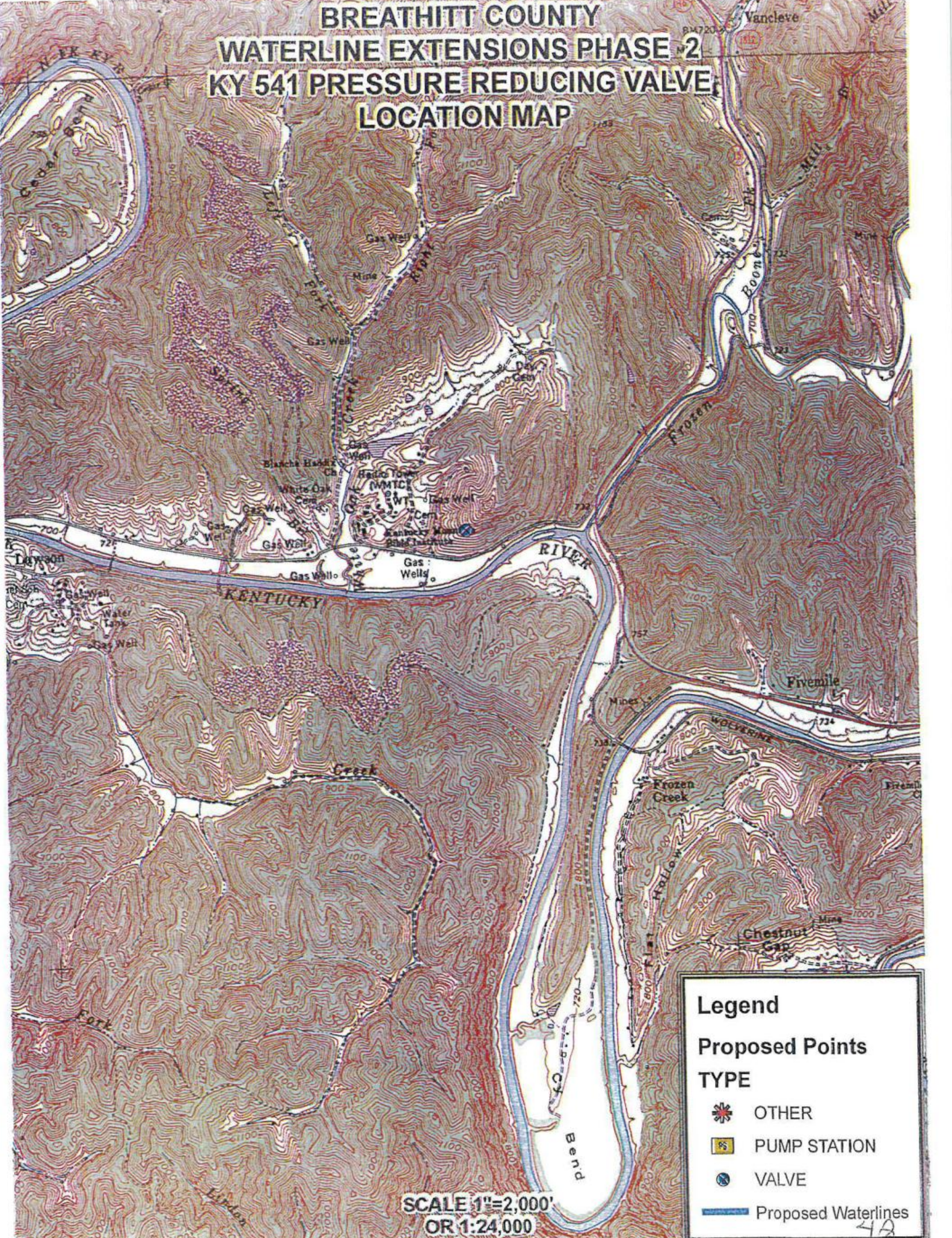
Proposed Points

TYPE

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

SCALE 1"=2,000'
OR 1:24,000





BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 541 PRESSURE REDUCING VALVE LOCATION MAP



Legend

Proposed Points

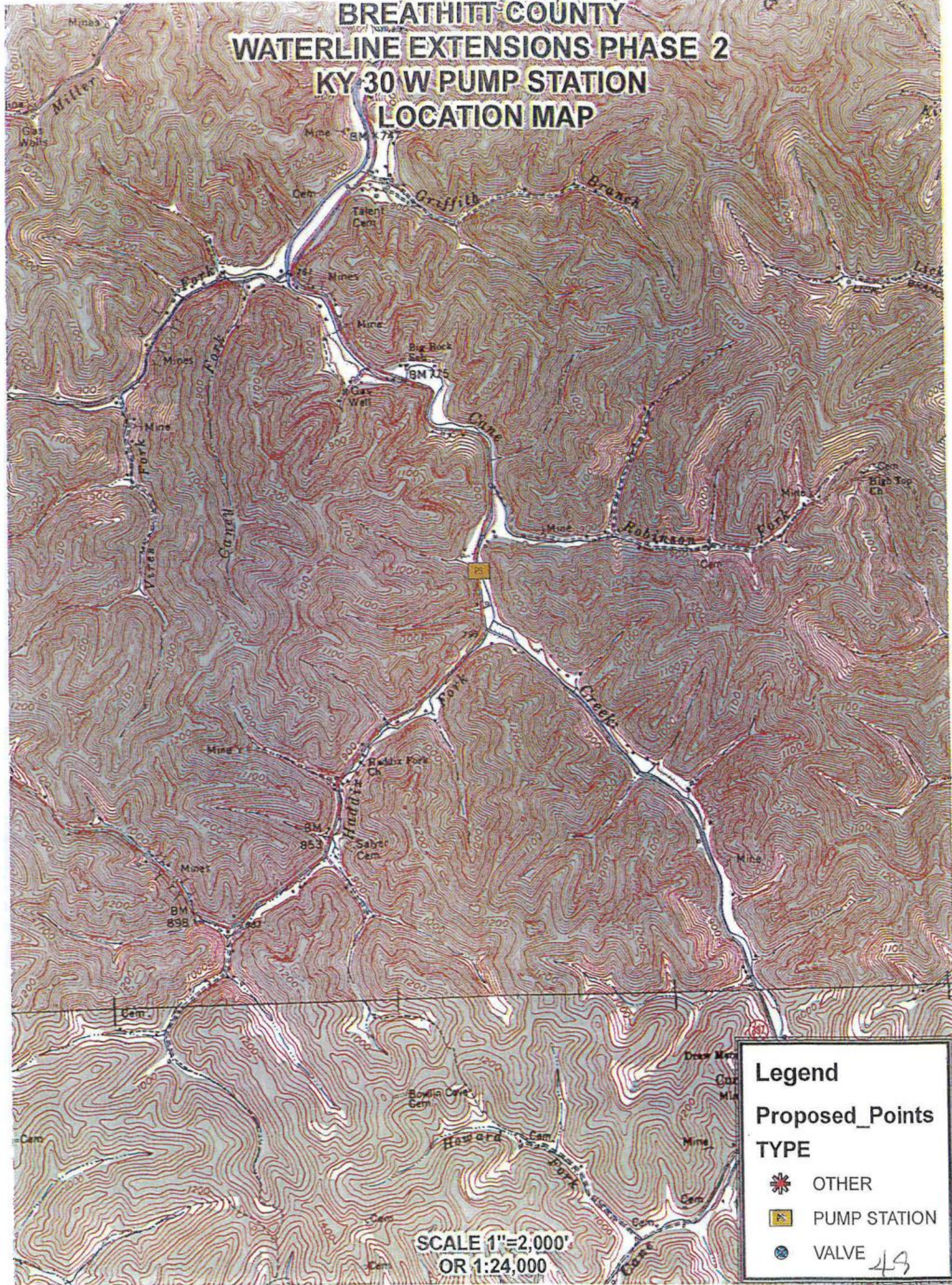
TYPE

-  OTHER
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

4A

SCALE 1"=2,000'
OR 1:24,000




BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 KY 30 W PUMP STATION LOCATION MAP



Legend

Proposed_Points

TYPE

-  OTHER
-  PUMP STATION
-  VALVE

SCALE 1"=2,000'
OR 1:24,000

49





BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 MANN'S RD, KY 30 E PUMP STATION & EXCAVATOR LOCATION MAP



Legend

Proposed Points

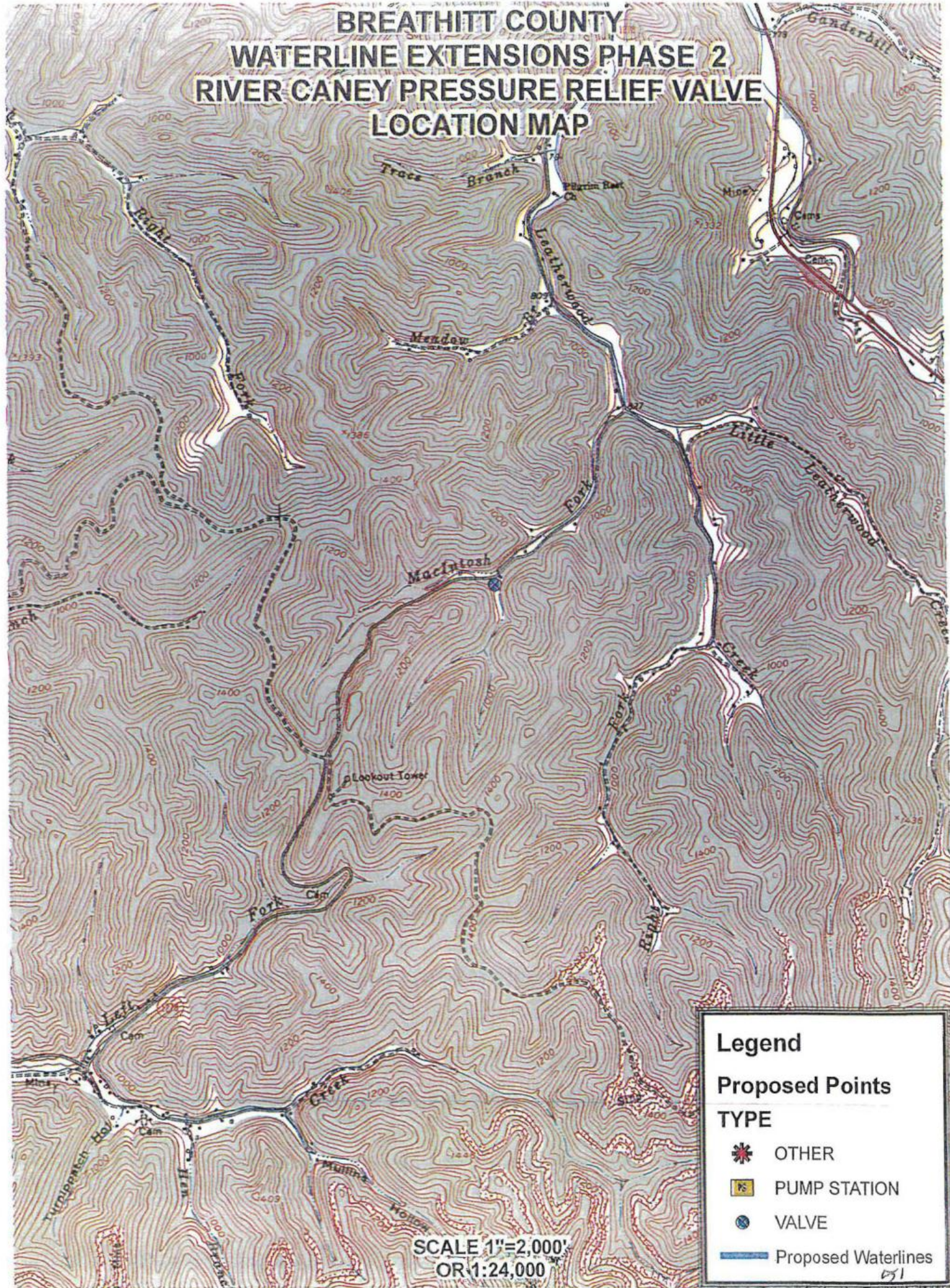
TYPE

-  EXCAVATOR
-  PUMP STATION
-  VALVE
-  Proposed Waterlines

50

SCALE 1"=2,000'
OR 1:24,000




BREATHITT COUNTY WATERLINE EXTENSIONS PHASE 2 RIVER CANEY PRESSURE RELIEF VALVE LOCATION MAP




Legend

Proposed Points

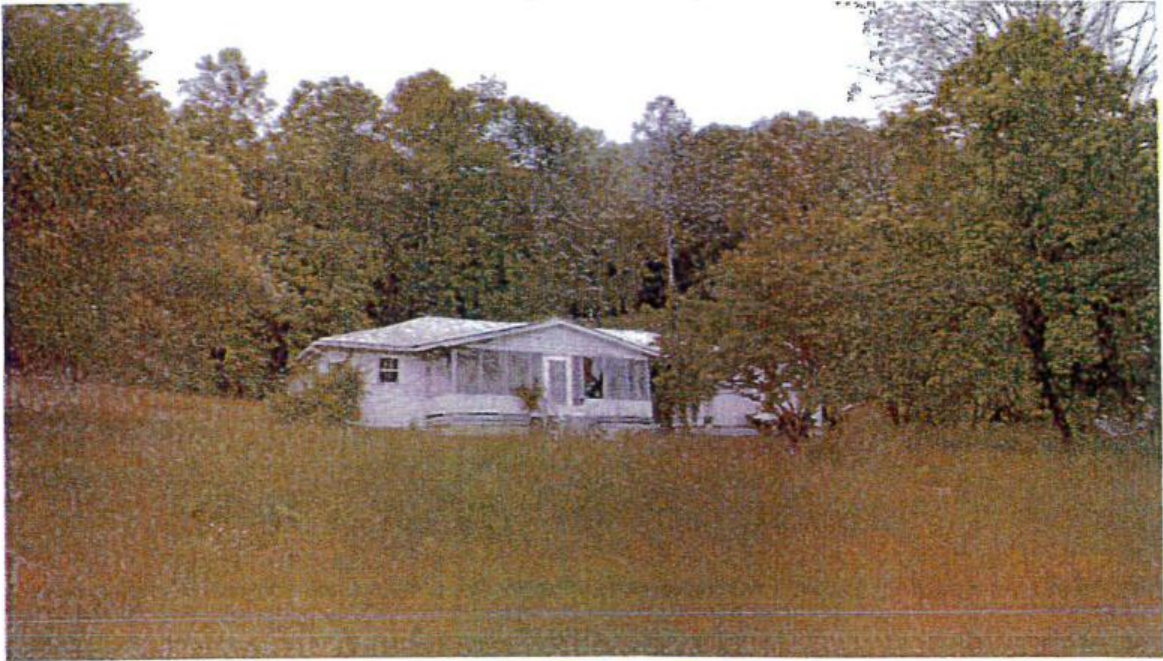
TYPE

-  OTHER
-  PUMP STATION
-  VALVE

 Proposed Waterlines

SCALE 1"=2,000'
OR 1:24,000

Front View of the House
Kentucky 30 Quicksand, KY



Side View of the House
KY 30 Quicksand, KY



Front View of the Shed
KY 30 Quicksand, KY



Side View of the Shed
KY 30 Quicksand, KY



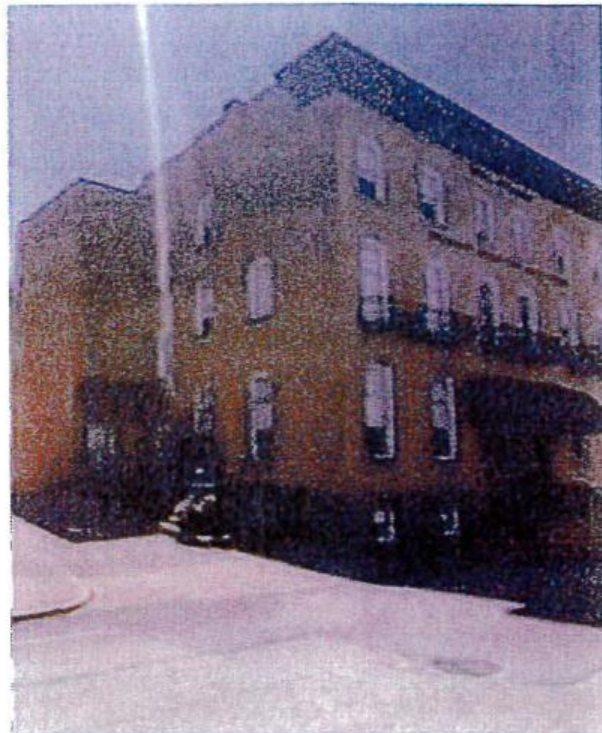
Rear View of the Shed

KY 30, Quicksand, KY



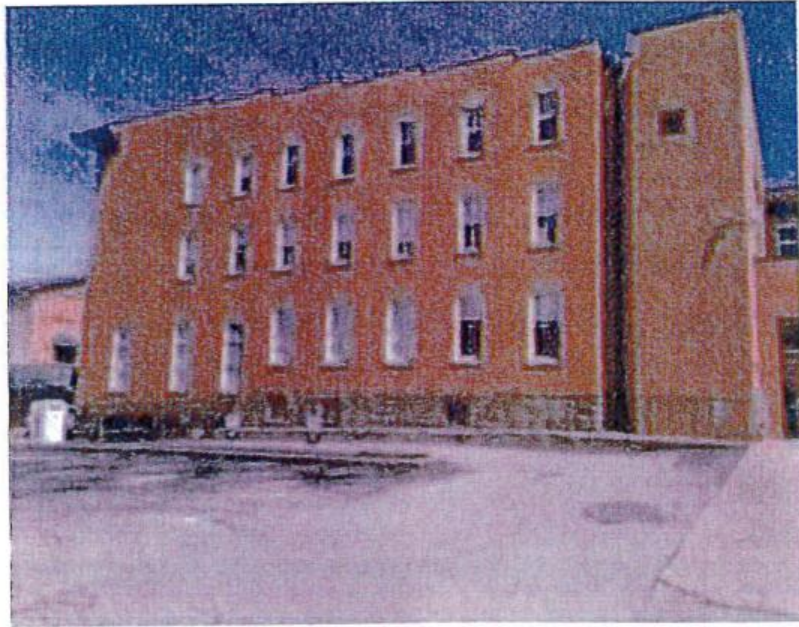
Front View of Hotel Jefferson

1119 Main Street



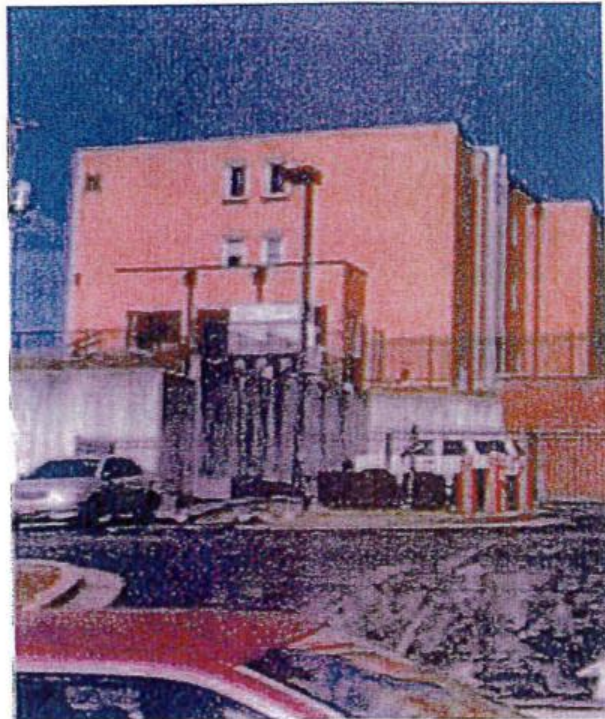
Side View of Hotel Jefferson

1119 Main Street



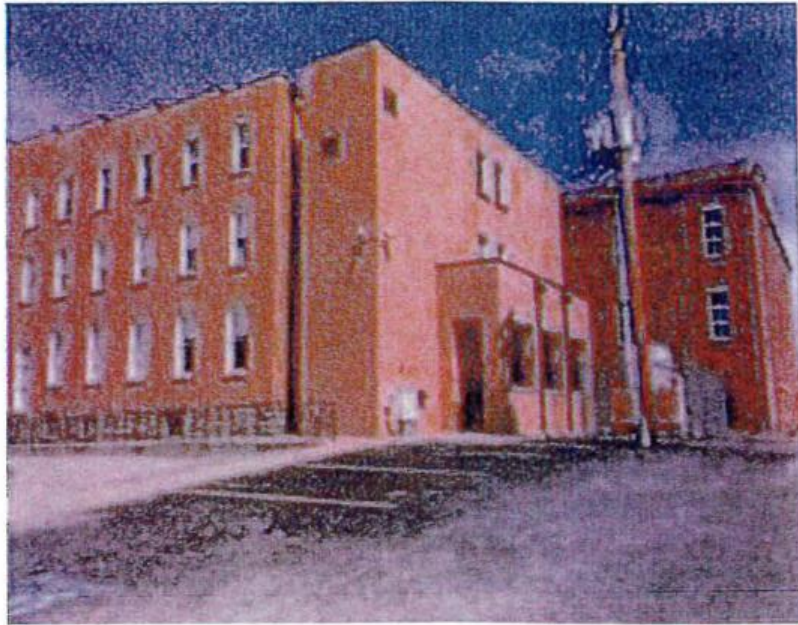
Side View of Hotel Jefferson

1119 Main Street



Rear View of Hotel Jefferson

1119 Main Street



Jackson Deposit Bank 413 Court Street

Crawford & Company 1125 Main Street

Jackson Deposit Bank and Crawford & Company were torn down to build the Judicial System.



Front View of Methodist Episcopal Church

1022 College



West View of Methodist Episcopal Church



East View of Methodist Episcopal Church

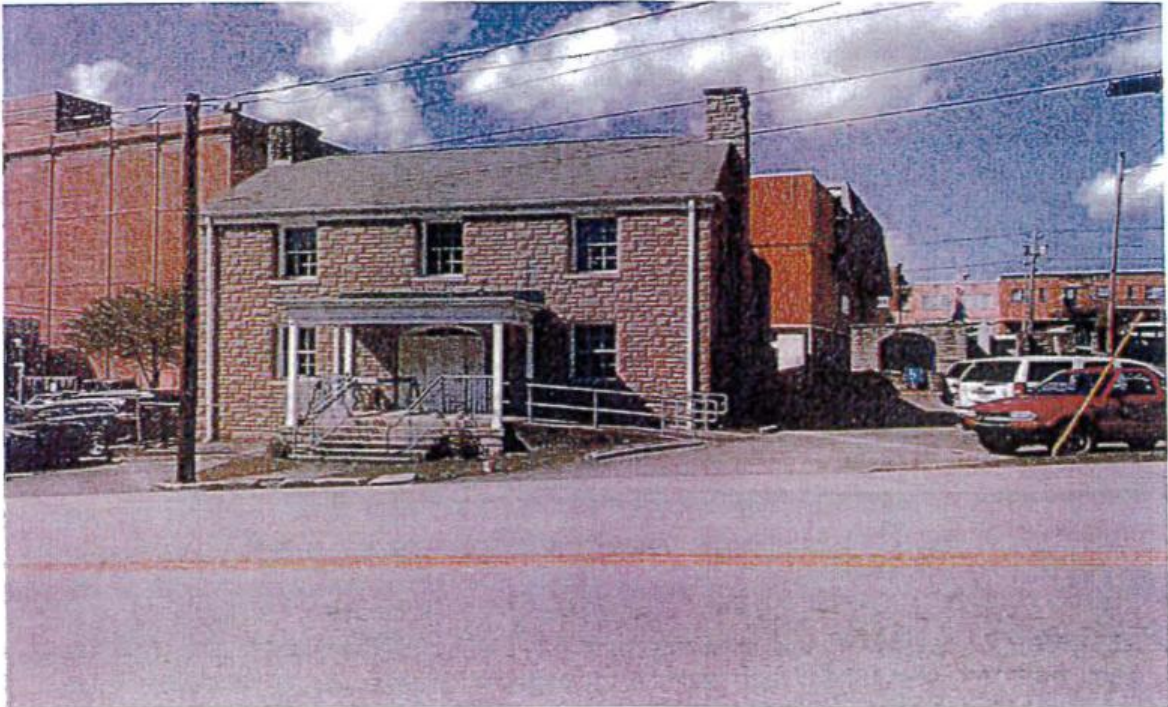


Rear View of Methodist Episcopal Church

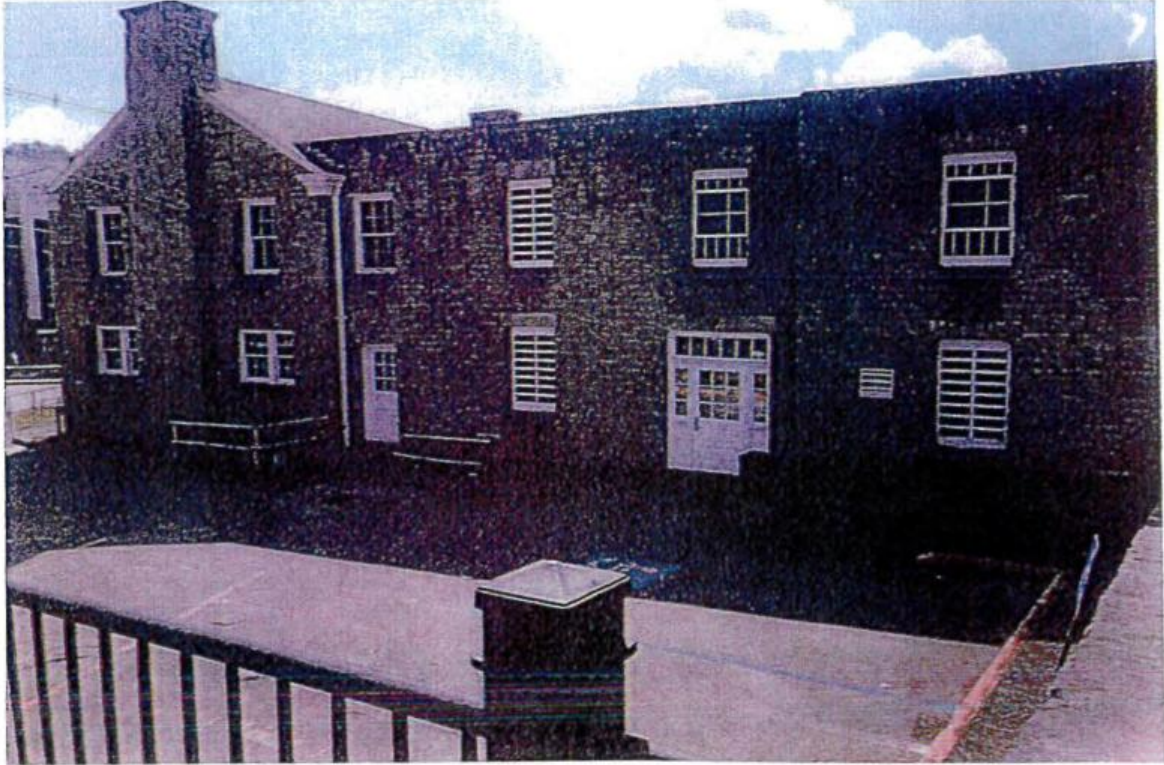


Front View of Breathitt County Jail

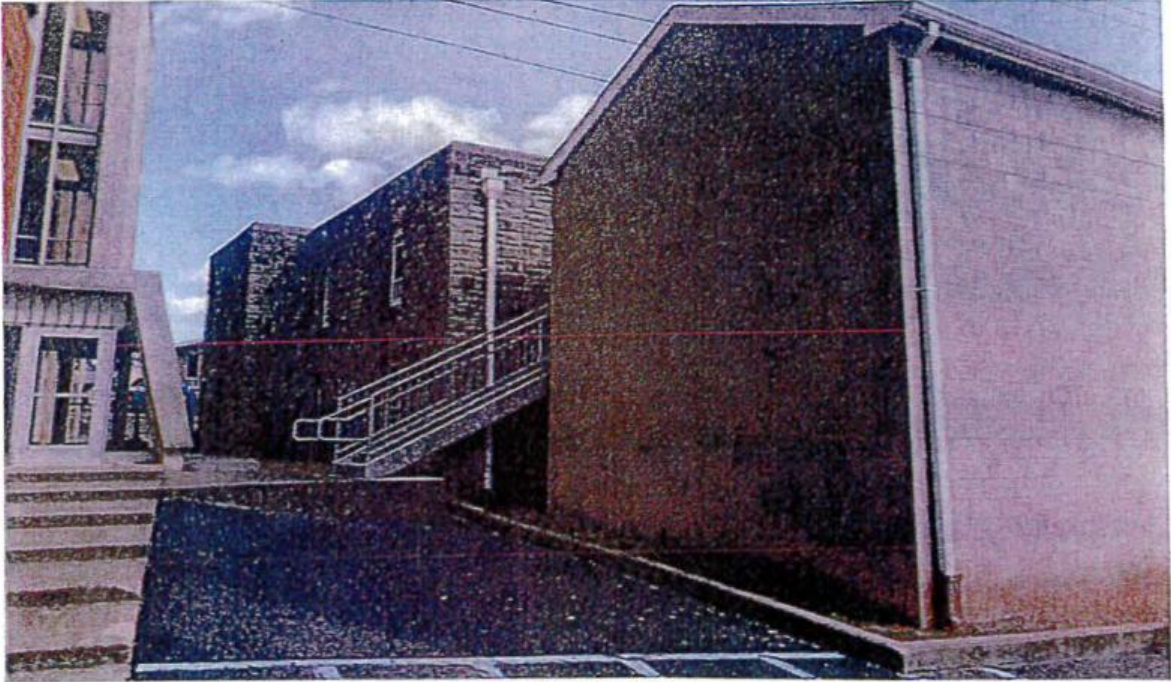
1027 College Street



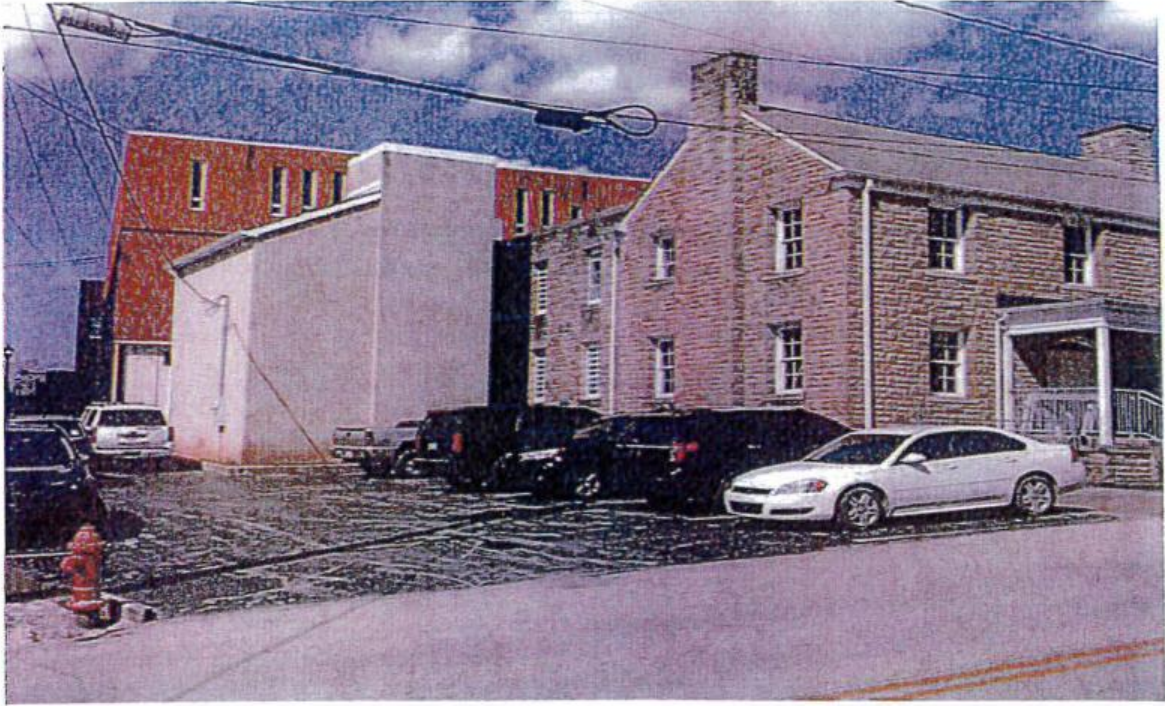
East View of Breathitt County Jail



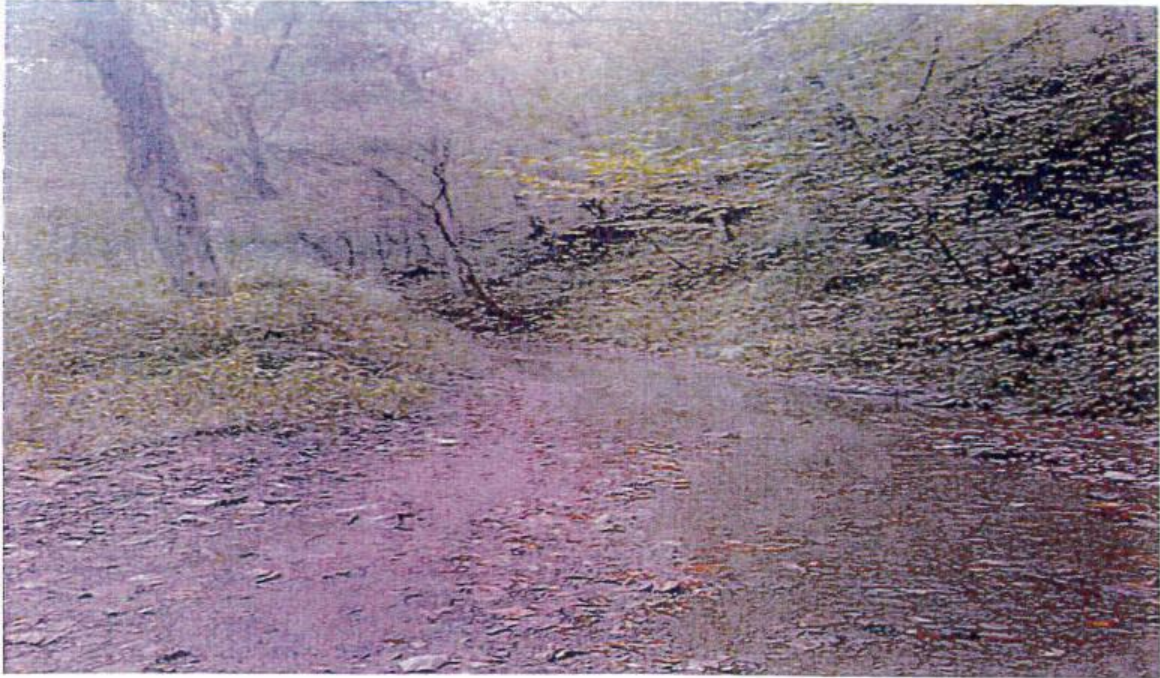
West View of Breathitt County Jail



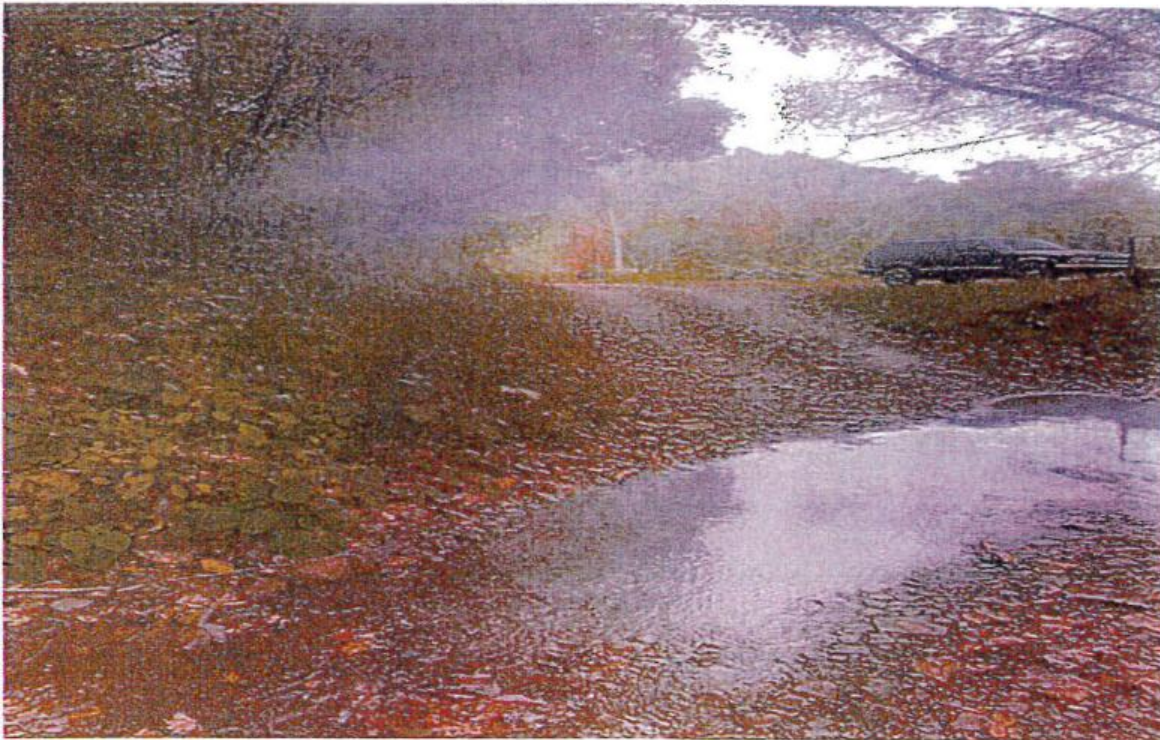
Rear View of Breathitt County Jail



North View on Mann Road



South View on Mann Road



West View of Mann Road



Front View of 30 East



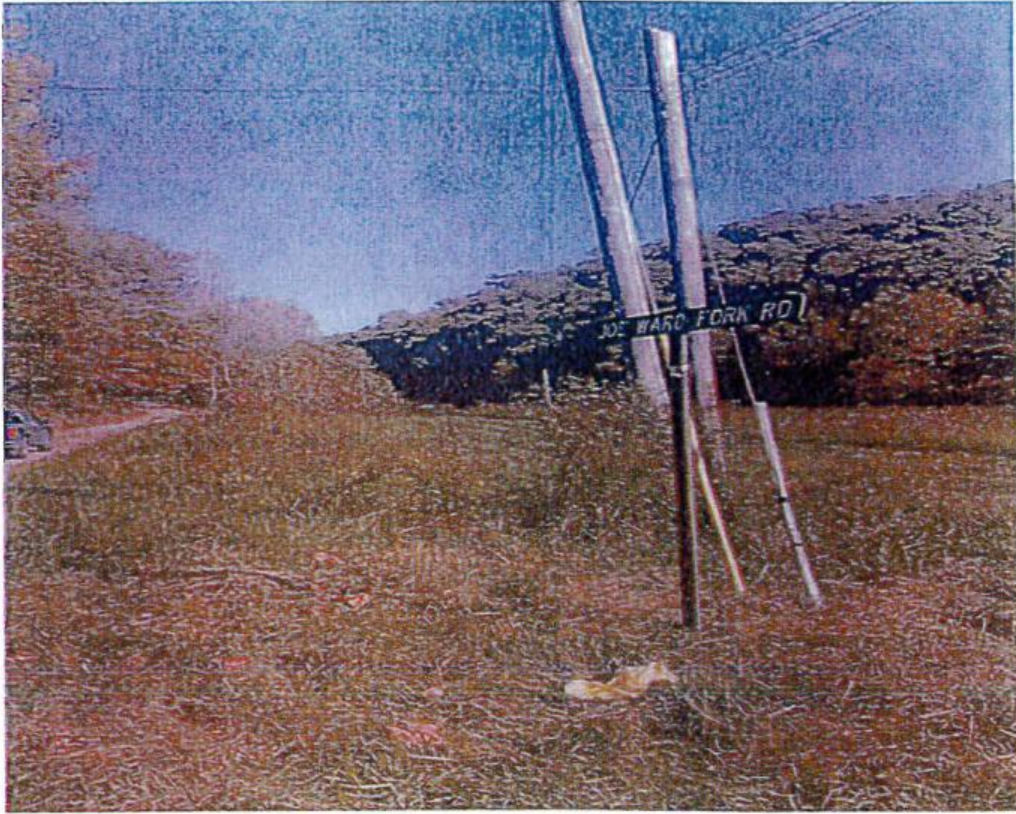
East View of 30 East



West View of 30 East



Entrance of Joe Ward Fork Road



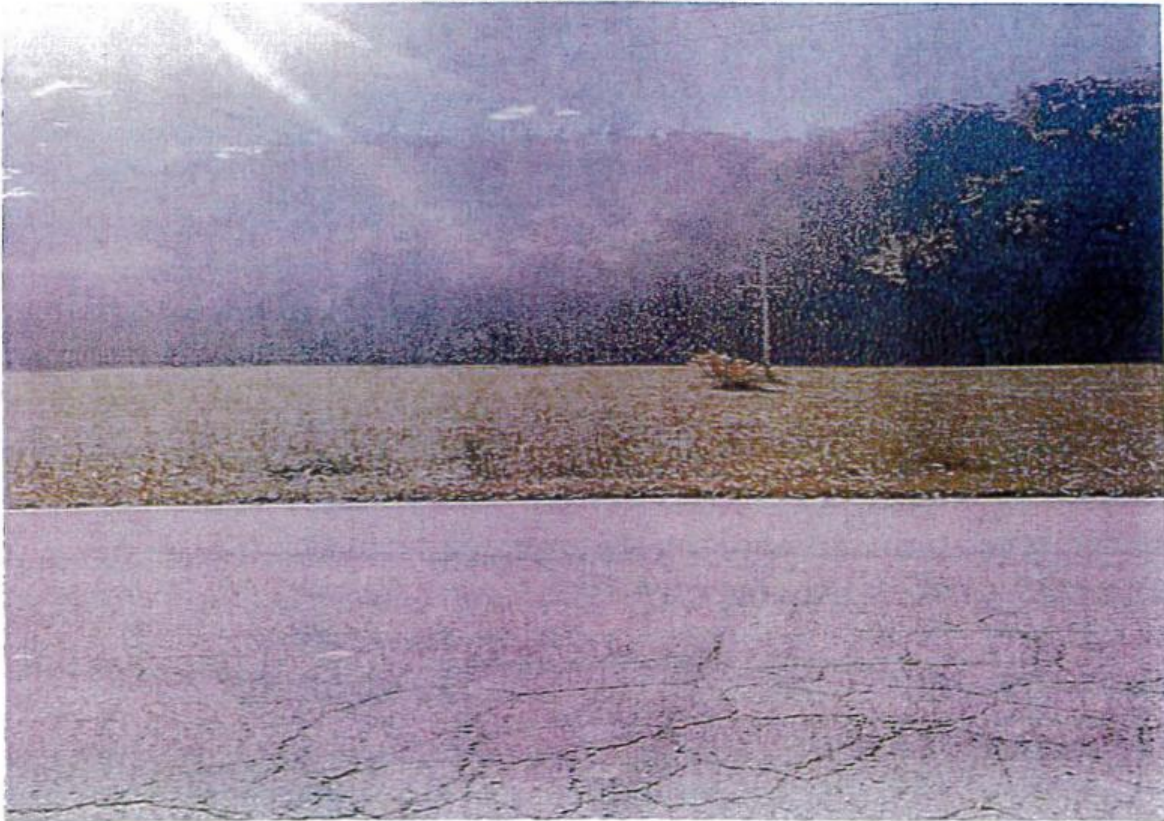
West View of Joe Ward Fork Road



East View of Joe Ward Fork Road



South View of Joe Ward Fork Road



LcLc

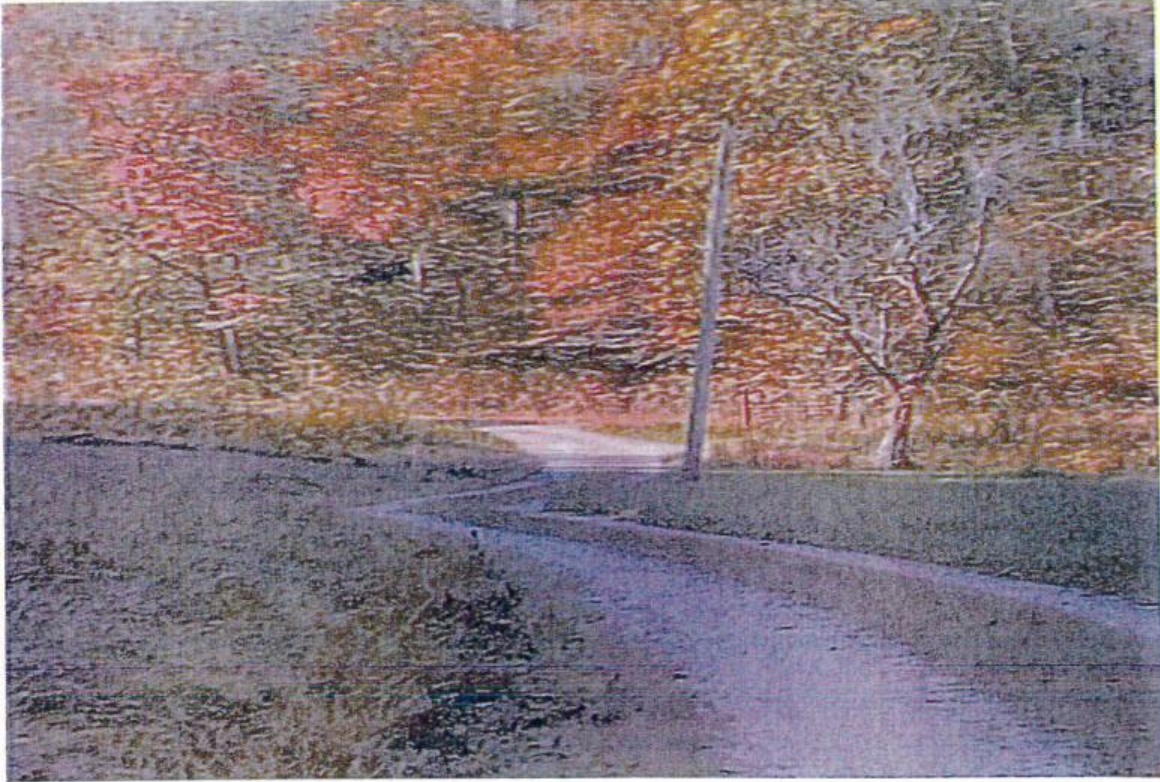
End View of Joe Ward Fork Road



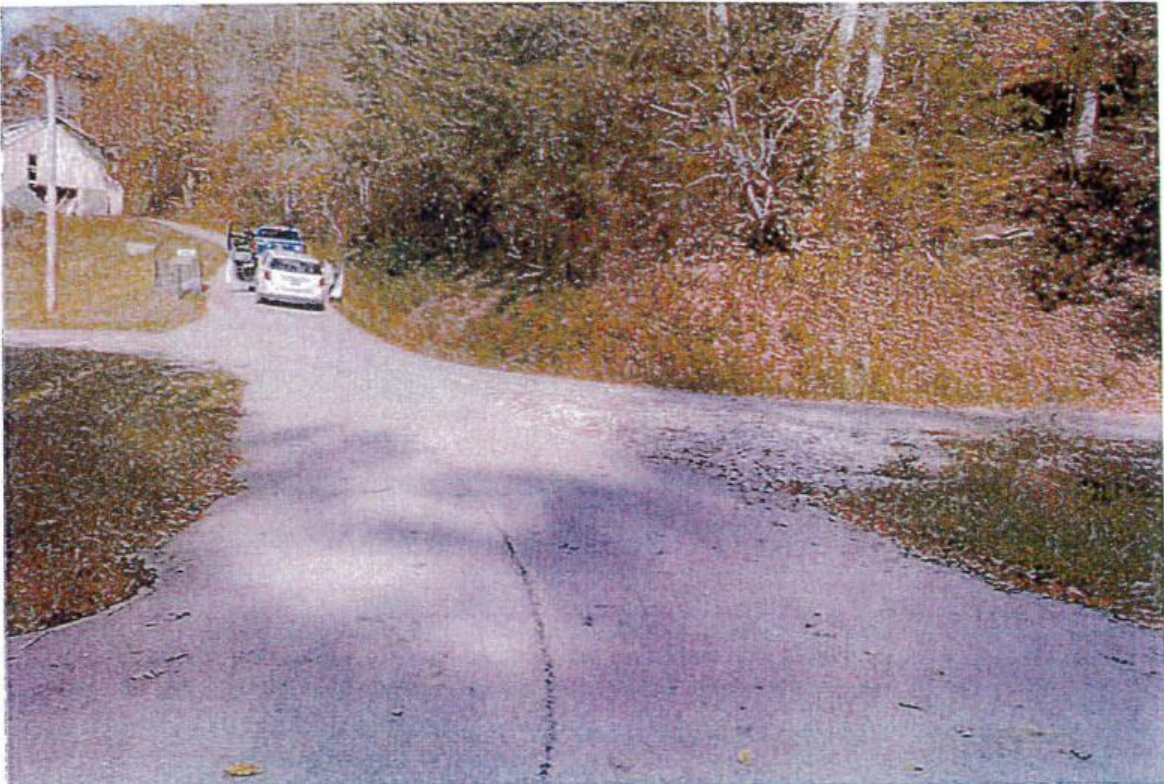
East View of Joe Ward Fork Road



South View of Joe Ward Fork Road



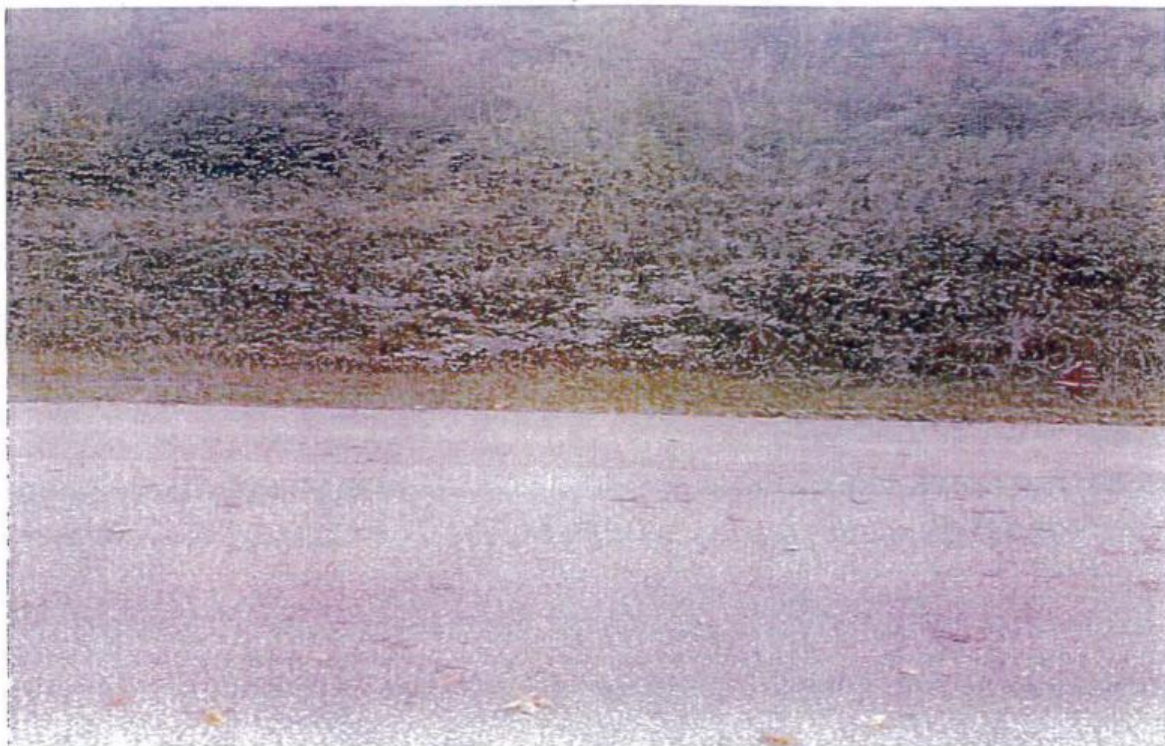
Entrance of War Creek Road



West View of War Creek Road



South View of War Creek Road



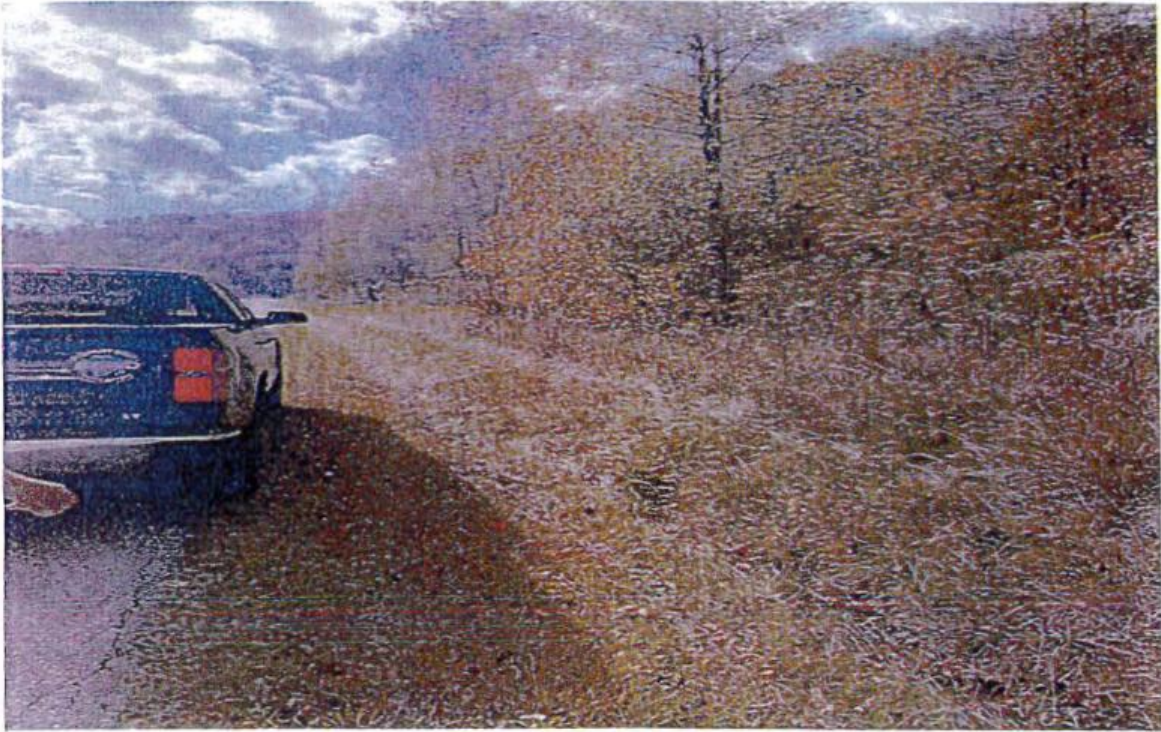
PRV Jackson, KY



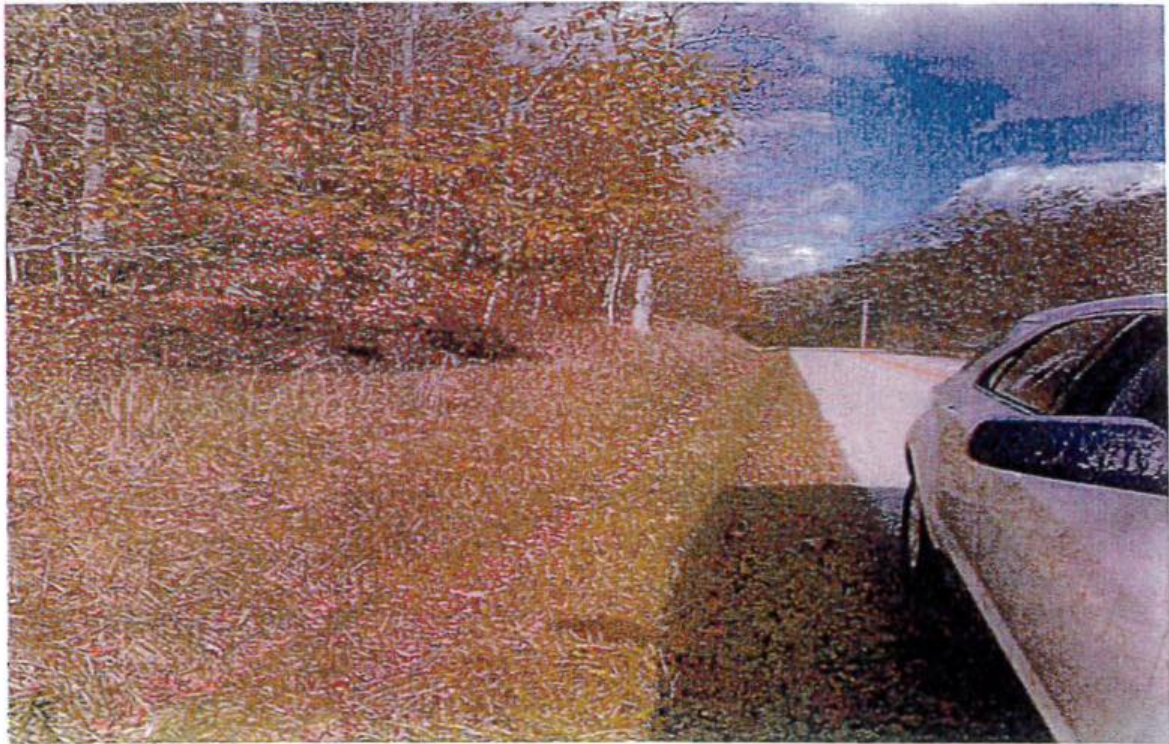
North View of PRV Jackson, KY



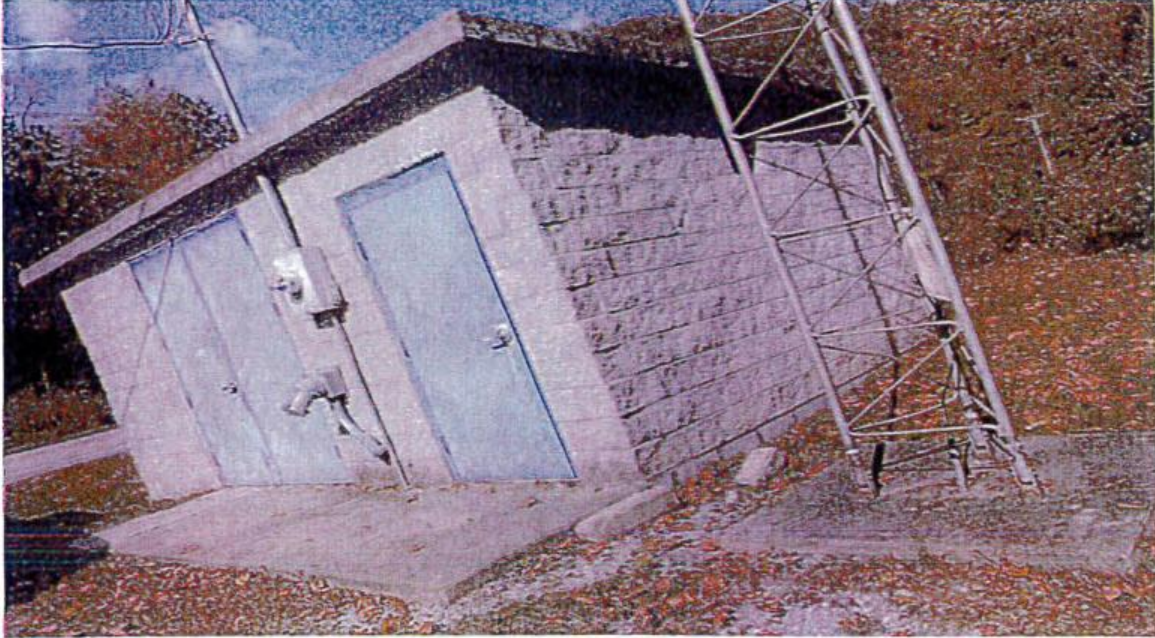
East View of PRV



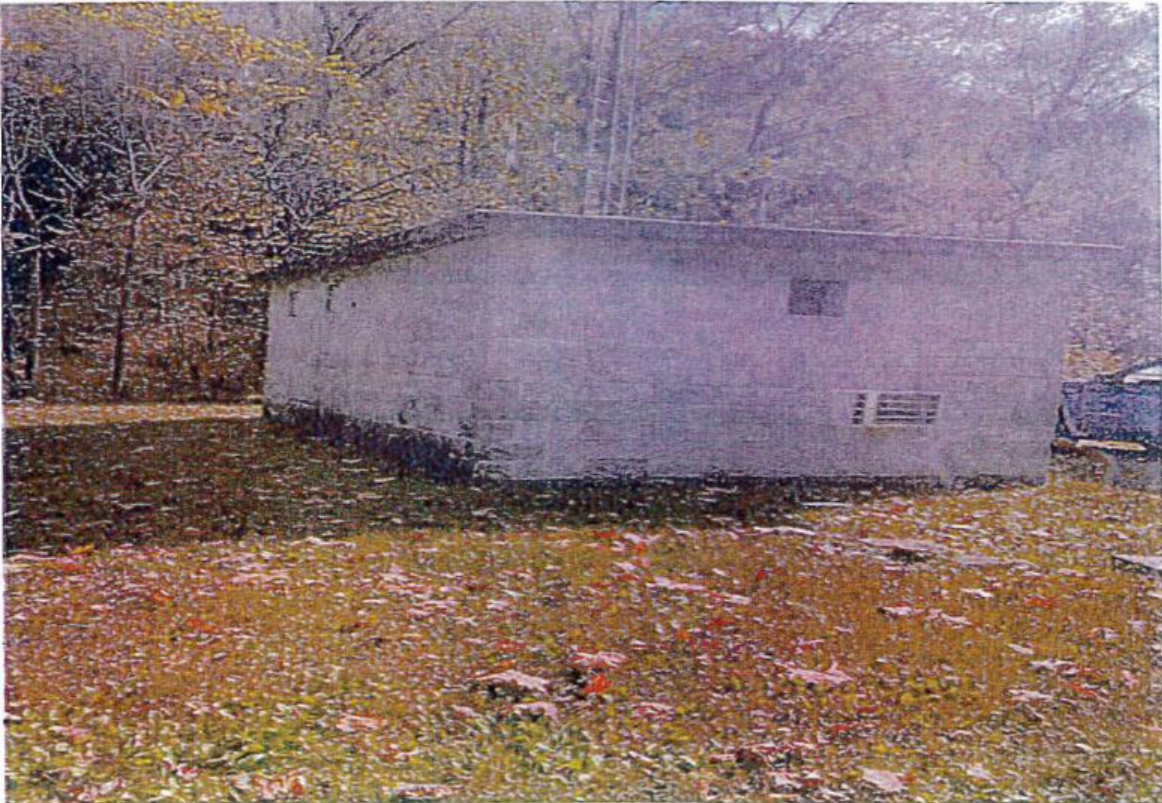
West View of PRV



Front View of 30 West Pump Station



Side View of 30 West Pump Station



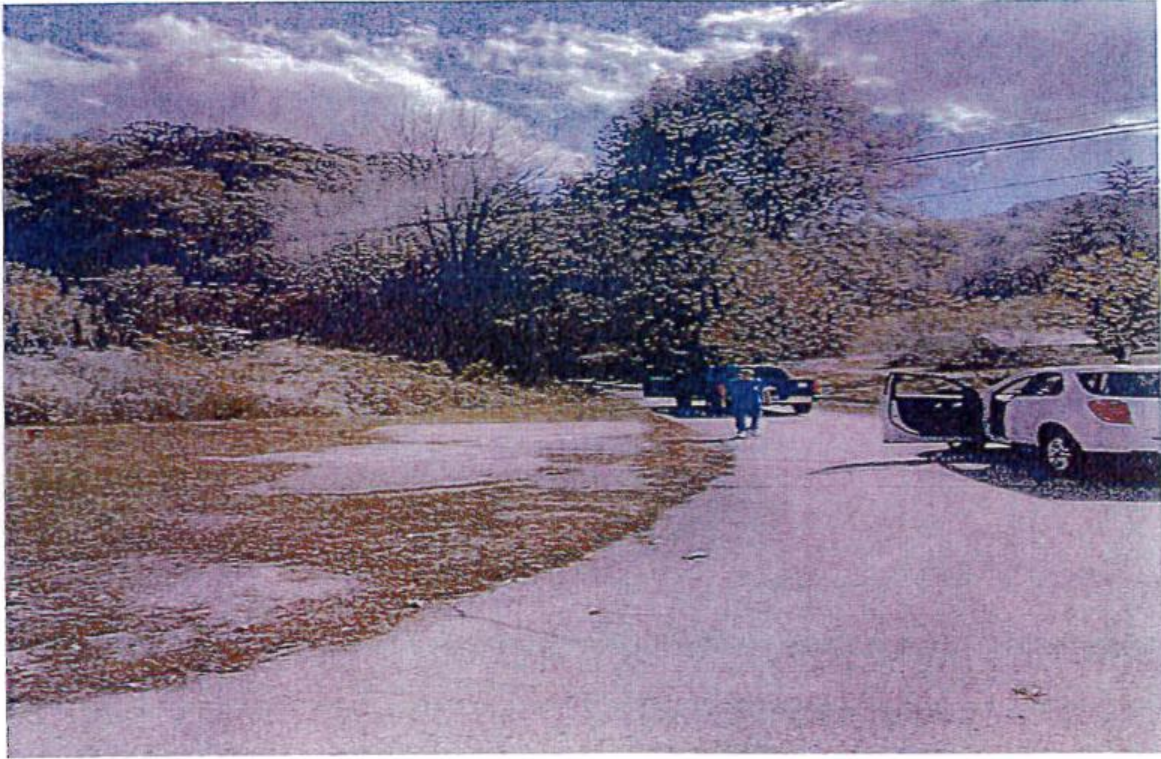
Entrance of Creekside Drive



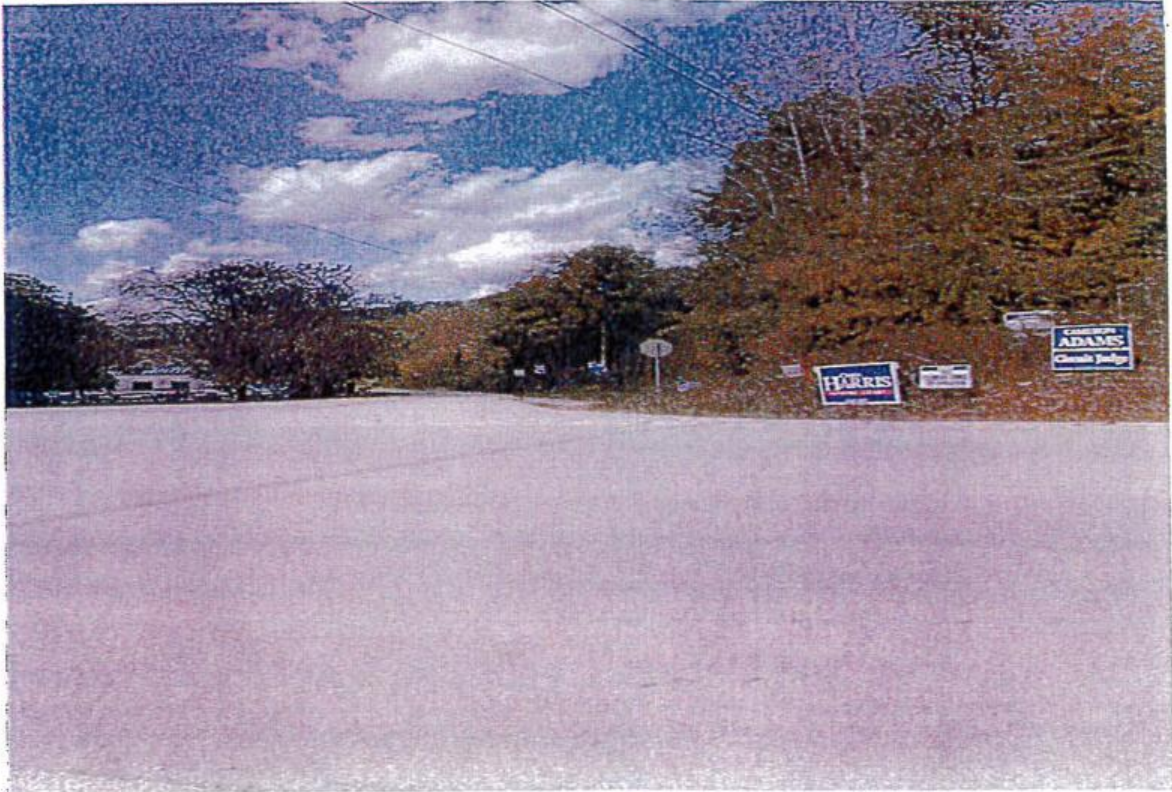
West of Creekside Drive



North of Creekside Drive



South of Creekside Drive



Roadway view for Creekside Drive



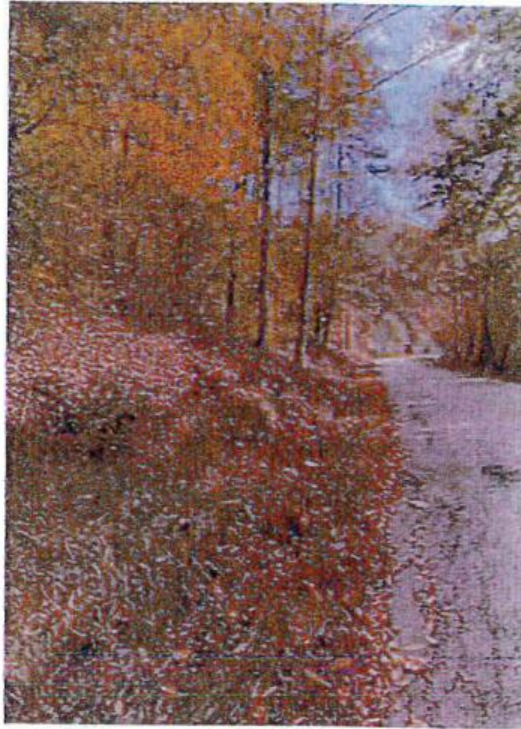
Front View of 28 (Road Side)



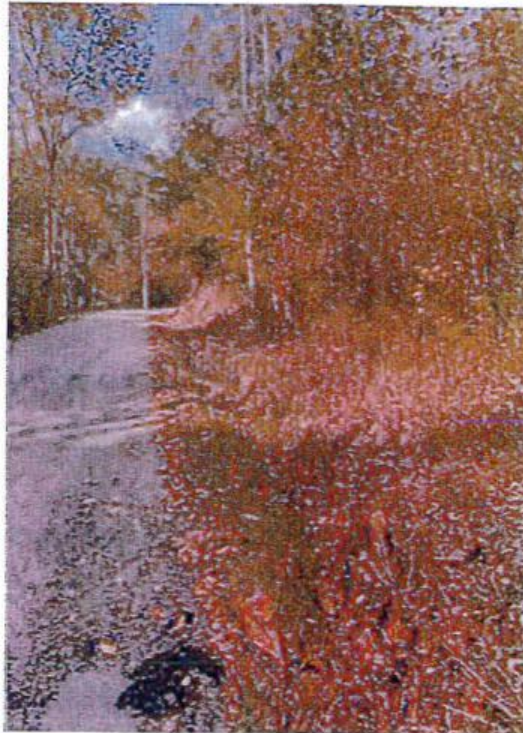
South View of 28 (Road Side)



East View of 28 (Road Side)



West Side of 28 (Road side)



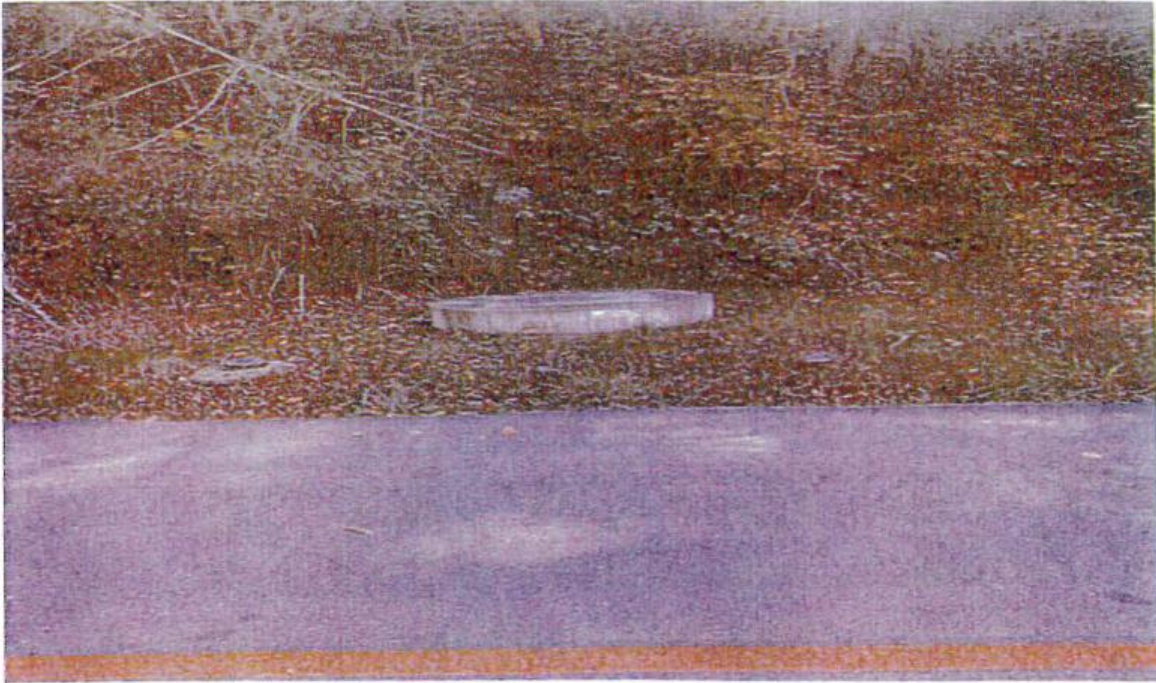
East View of River Caney



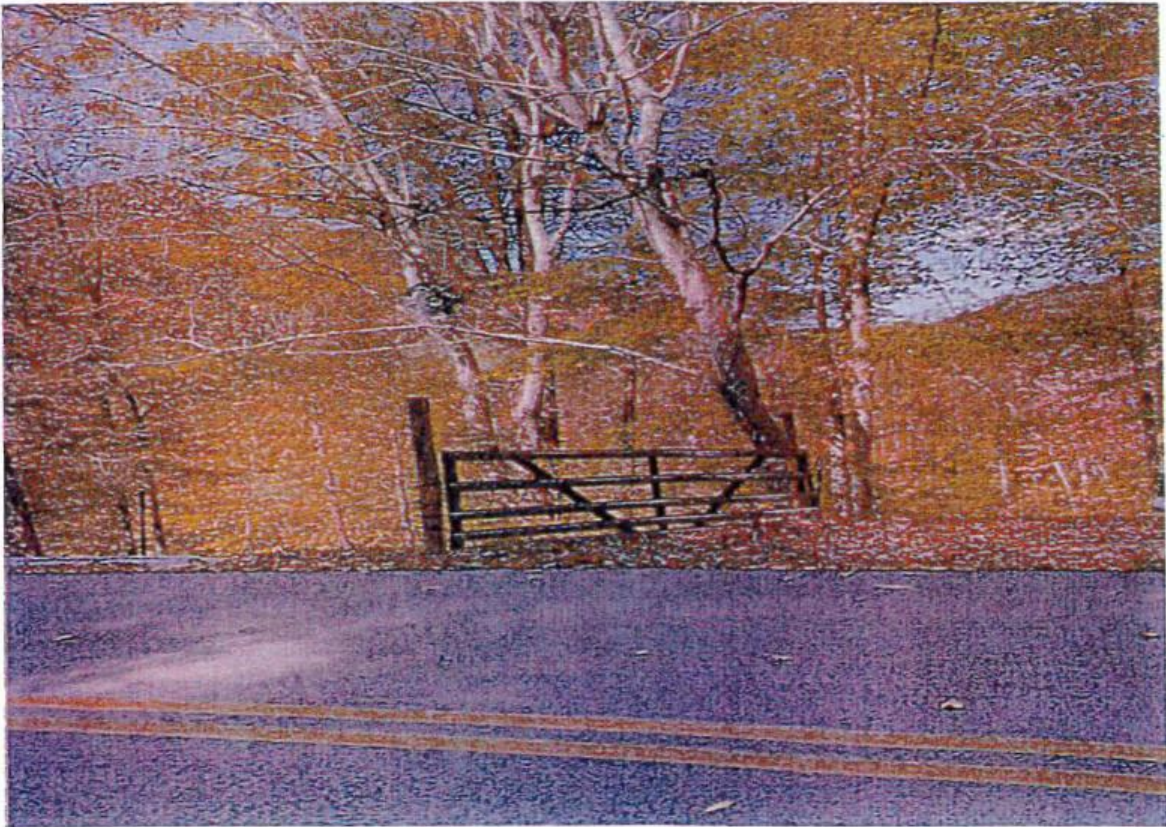
West View of River Caney Jackson, KY



River Caney



South View of River Caney





Drinking Water Project Profile

Legal Applicant: **Breathitt County Water District**

Project Title: **Breathitt Waterline Extensions Phase 2**

Project Number: **WX21025033** [View Map](#)

Submitted By: **KRADD**

Funding Status: **Not Funded**

Primary County: **Breathitt**

Project Status: **Pending**

Planning Unit: **Breathitt**

Project Schedule: **3-5 Years**

Multi-County: **No**

E-Clearinghouse SAI:

ECH Status:

Applicant Entity Type: **Water District (KRS 74)**

ADD WMC Contact: **Jennifer McIntosh**

Date Approved (AWMPC):

Project Description:

This project will provide service to four areas in the county. Creekside RD will service 5 households with approximately 5,761 LF of 4" PVC. War Creek RD will provide service to 18 households with approximately 9,406 LF of 4" PVC. Joe Ward Fork will construct approximately 2,800 LF of 4" PVC and 250 LF of 2" PVC to service 2 households. Mann Road will construct approximately 680 LF of 2" PVC to service 3 households. This project also includes the purchase of equipment which will include a service truck, mini excavator and an excavator trailer. The project will also perform system rehab. The 30 West and 30 East pump stations will have the pumps rebuilt/replaced to increase performance, reduce operation and maintenance costs and to ensure that there are no service interruptions. The valves and piping will be replaced at the KY 541, River Caney and KY 28 Pressure Reducing Vaults.

Need for Project:

Briefly describe how this project promotes public health or achieves and/or maintains compliance with the Clean Water Act or Safe Drinking Water Act.

Project will provide water service to those with failing wells and other unreliable sources of water. It will also provide necessary updates and equipment to the system to allow the District to continue providing the excellent service that their customers have to rely on.

Project Alternatives:

Alternate A:

Phase project.

Alternate B:

Residents haul water or drill new wells.

Legal Applicant:

Entity Type: **Water District (KRS 74)**

PSC Group ID: **7000700**

Entity Name: **Breathitt County Water District**

Web URL:

Office EMail: **breathittwater@yahoo.com**

Office Phone: **606-666-3800**

Toll Free:

Fax: **606-666-2860**

Mail Address Line 1: **1137 Main St Ste 305**

Phys Address Line 1:

Mail Address Line 2:

Phys Address Line 2:

Mail City, State Zip: **Jackson, KY 41339**

Phys City, State Zip:

Contact: **Estill McIntosh**

Financial Contact:

Auth Official: **Bobby Thorpe Jr**

Contact Title: **Superintendent**

Financial Contact Title:

Auth Official Title: **Chairman**

Contact EMail: **breathittwater@yahoo.com**

Financial Contact EMail:

Auth Official EMail: **breathittwater@yahoo.com**

Contact Phone: **606-666-3800**

Financial Contact Phone:

Auth Official Phone: **606-666-3800**

Data Source: **Kentucky Infrastructure Authority**

Date Last Modified: **05.28.2014**



Drinking Water Project Profile

WX21025033 - Breathitt County Water District
Breathitt Waterline Extensions Phase 2

Project Administrator (PA) Information

Name: **Jennifer D McIntosh**
 Title: **Water & Wastewater Planner**
 Organization: **Kentucky River Area Development District**
 Address Line 1: **941 N Main St**
 Address Line 2:
 City: **Hazard** State: **KY** Zip: **41701**
 Phone: **606-436-3158** Fax: **606-436-2144**

Applicant Contact (AC) Information

Name: **Estill McIntosh**
 Title: **Superintendent**
 Organization: **Breathitt County Water District**
 Address Line 1: **1137 Main Street, Suite 305**
 Address Line 2:
 City: **Jackson** State: **KY** Zip: **41339**
 Phone: **606-666-3800 Ext. 250** Fax:

Estimated Budget

Project Cost Categories:		Construction Cost Categories:	
Cost Category	Cost	Cost Category	Cost
Administrative Expenses:	\$ 37,500	Treatment:	
Legal Expenses:	\$ 5,000	Transmission & Distribution:	\$ 425,000
Land, Appraisals, Easements:	\$ 5,000	Source:	
Relocation Expenses & Repayments:		Storage:	
Planning:	\$ 5,000	Purchase of Systems:	
Engineering Fees - Design:	\$ 47,000	Restructuring:	
Engineering Fees - Construction:	\$ 11,000	Land Acquisition:	
Engineering Fees - Inspection:	\$ 41,000	Non-Categorized:	
Engineering Fees - Other:	\$ 10,000	Total Construction Cost:	\$ 425,000
Construction:	\$ 425,000	Total Sustainable Infrastructure Costs:	
Equipment:	\$ 110,000		
Miscellaneous:			
Contingencies:	\$ 53,500		
Total Project Cost:	\$ 750,000		

Note: Total Sustainability Infrastructure Costs are included within construction and other costs reported in this section. This breakout is provided for SRF review purposes.

Project Funding Sources:

Total Project Cost: **\$750,000**
 Total Committed Funding: **\$0**
 Funding Gap: **\$750,000 (Not Funded)**

This project will be requesting SRF funding for fiscal year 2021.

Estimated Project Schedule:

Est. Environmental Review Submittal Date: **05-01-2020**
 Estimated Bid Date: **06-01-2020**
 Estimated Construction Start Date: **07-01-2020**
 Estimated Construction Completion Date: **07-01-2021**

Funding Source	Loan or Grant ID	Fiscal Year	Amount	Status	Applicable Date
ARC		2020	\$750,000	Anticipated	
Total Committed					

Funding Source Notes:

The following systems are beneficiaries of this project:

- ✓ **KY0131012 Breathitt County Water District**
- KY0130208 Jackson Municipal Water Works**



Drinking Water Project Profile

WX21025033 - Breathitt County Water District
Breathitt Waterline Extensions Phase 2

Note: Check mark indicates primary system for this project.

Project Ranking by AWMPC:

Regional Ranking(s):

Planning Unit Ranking:

Total Points:

- Plans and specs have been sent to DOW.
- Plans and specs have been reviewed by DOW.
- Plans and specs have been sent to PSC.
- Plans and specs have been reviewed by PSC.

Economic, Demographic and Geographic Impacts

Economic Impacts	
Jobs Created:	
Jobs Retained:	

*Demographic Impacts (GIS Census Overlay)			
Serviceable Demographic	Project Area	Included Systems	Included Utilities
Population:		7,411	7,409
Households:		3,275	3,275
MHI:		\$26,023	*\$26,023
MHI MOE		\$6,090	*\$6,090
MOE as Pct:		23.0%	23.0%
**NSRL:		2	2

Population and household counts are based on 2010 census block values from the SF1 (100%) dataset.

MHI Source is from the American Community Survey 2013-2017 5Yr Estimates (Table B19013) *(for the primary system operated by the above listed beneficiary utilities).

MHI MOE = Med HH Income Margin of Error.

- ** NSRL (Non-Standard Rate Levels):
- 0 = Income above Kentucky MHI (KMHI).
 - 1 = Income between 80% KMHI and KMHI.
 - 2 = Income less than or equal to 80% KMHI.
 - KMHI = \$46,535
 - 80% KMHI = \$37,228

Geographic Impacts For Project Area	
Counties	
Legislative Districts	
District Name	Legislator
Groundwater Sensitivity Zones	
HUC 10 Watersheds	
HUC Code	Watershed Name

Geographic Impacts For Included System(s)	
Counties	
Breathitt	
Perry	
Wolfe	
Legislative Districts	
District Name	Legislator
House 084	Chris Fugate
House 091	Cluster Howard
House 097	Bobby McCool
Senate 25	Robert Stivers II
Senate 30	Brandon Smith
Congressional 5	Hal Rogers
Congressional 6	Andy Barr

New Customers	
New Residential Customers:	25
New Commercial Customers:	
New Institutional Customers:	
New Industrial Customers:	

New or Improved Service		
Service Demographic	Survey Based	Census Overlay*
To Unserved Households:	28	
To Underserved Households:		
To Total Households:	28	
** Cost Per Household:	\$26,786	

* GIS Census block overlay figures are estimates of population and households potentially served by systems and projects based on a proximity analysis of relevant service lines to census block boundaries.

** Cost per household is based on surveyed household counts, not GIS overlay values.



Drinking Water Project Profile
 WX21025033 - Breathitt County Water District
 Breathitt Waterline Extensions Phase 2

DW Specific Impacts:

- This project relates to a public health emergency.
- This project will assist a non-compliant system to achieve compliance.
- This project will assist a compliant system to meet future requirements
- This project will provide assistance not compliance related.
- This project is necessary to achieve full or partial compliance with a court order, agreed order, or a judicial or administrative consent decree.
- Primary system has not received any SDWA Notices of Violation within the previous state fiscal year-July through June, i.e. July 2014 – June 2015).

Project Inventory (Mapped Features):

Administrative Components:

- Planning
 Design
 Construction
 Management

Regionalization Components:

Public Water Systems Eliminated:

- this project includes the elimination of public water system(s) through merger or acquisition.

Water Treatment Plants Eliminated:

- This project includes the elimination of water treatment plant(s) through interconnect(s).

Supplementation of Raw Water Supply:

- This project includes supplementing the existing raw water supply.

Supplementation of Potable Water Supply:

- This project includes supplementing the existing potable water supply.

Emergency Only Water Supply:

- This project provides emergency only water supply.

Water Source Protection:

- This project includes land acquisition for water source protection.



Drinking Water Project Profile
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Water Treatment Components:

- This project includes water treatment components

Treatment Activities:

- This project includes a new water treatment plant.
- This project includes an expansion of an existing water treatment plant.
- This project includes rehabilitation of an existing water treatment plant.
- This project includes upgrades to an existing water treatment plant.
- This project includes emergency power generators for treatment activities.
- This project includes redundant treatment processes.

Acute Public Health Risk:

- This project includes infrastructure options to meet Cryptosporidium removal/inactivation requirements.
- This project includes infrastructure options to meet CT inactivation requirements.

Chronic Public Health Risk:

- This project includes treatment modifications to meet the Disinfectants/Disinfection Byproducts Rule at the water treatment plant.
- This project will provide treatment modifications for VOCs, IOC, SOC, or Radionuclides.

Secondary Contaminants:

- This project includes treatment modifications to address Secondary Contaminants.

Security:

- This project includes security components for water treatment facilities.

Water Distribution and Storage:

- This project includes water distribution and/or storage components.

Water Line Extensions:

- This project includes water line extension(s).

Redundancy Components:

- This project includes emergency power generators for distribution and/or storage activities.
- This project includes redundant distribution and/or storage processes.

Finished Water Quality:

- This project includes infrastructure to address inadequate water turnover and disinfection byproducts (DBPs).
- This project includes infrastructure to address inability to maintain disinfection residual.



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Water Line Replacement:

- This project replaces problem water lines (breaks, leaks, or restrictive flows due to age), water lines consisting of lead and/or asbestos-cement (AC), and/or inadequately sized water lines.

Water Storage and Pressure Components:

- This project includes the construction of new water tank(s).
- This project includes the replacement of existing water tank(s).
- This project includes the rehabilitation of existing water tank(s).
- This project includes the construction of new pump station(s).
- This project includes the rehabilitation of existing pump station(s).

Security:

- This project includes security components for water distribution infrastructure.

Sustainable Infrastructure - Green Infrastructure:

Green stormwater infrastructure includes a wide array of practices at multiple scales that manage wet weather and that maintains and restores natural hydrology by infiltrating, evapotranspiring and harvesting and using stormwater. On a regional scale, green infrastructure is the preservation and restoration of natural landscape features, such as forests, floodplains, and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale, green infrastructure consists of site and neighborhood-specific practices, such as:

Component	Cost
<input type="checkbox"/> Bioretention	\$0
<input type="checkbox"/> Trees	\$0
<input type="checkbox"/> Green Roofs	\$0
<input type="checkbox"/> Permeable Pavement	\$0
<input type="checkbox"/> Cisterns	\$0
Total Green Infrastructure Cost:	\$0

There are no Green Infrastructure components specified for this project.



Drinking Water Project Profile
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Sustainable Infrastructure - Water Efficiency:

The use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention, to protect water resources for the future. Examples include:

Component	Cost
<input type="checkbox"/> Installing or retrofitting water efficient devices such as plumbing fixtures and appliances (toilets, showerheads, urinals).	\$0
<input type="checkbox"/> Installing any type of water meter in previously unmetered areas (can include backflow prevention if in conjunction with meter replacement).	\$0
<input type="checkbox"/> Replacing existing broken/malfunctioning water meters with AMR or smart meters, meters with leak detection, backflow prevention.	\$0
<input type="checkbox"/> Retrofitting/adding AMR capabilities or leak equipment to existing meters.	\$0
<input type="checkbox"/> Conducting water utility audits, leak detection studies, and water use efficiency baseline studies, which are reasonably expected to result in a capital project or in a reduction in demand to alleviate the need for additional capital investment.	\$0
<input type="checkbox"/> Developing conservation plans/programs reasonable expected to result in a water conserving capital project or in a reduction in demand to alleviate the need for capital investment.	\$0
<input type="checkbox"/> Recycling and water reuse projects that replace potable sources with non-potable sources (Gray water, condensate, and wastewater effluent reuse systems, extra treatment or distribution costs associated with water reuse).	\$0
<input type="checkbox"/> Retrofit or replacement of existing landscape irrigation systems to more efficient landscape irrigation systems.	\$0
<input type="checkbox"/> Water meter replacement with traditional water meters.*	\$0
<input type="checkbox"/> Distribution pipe replacement or rehabilitation to reduce water loss and prevent water main breaks.*	\$0
<input type="checkbox"/> Storage tank replacement/rehabilitation to reduce water loss.*	\$0
<input type="checkbox"/> New water efficient landscape irrigation system, where there currently is not one.*	\$0
Total Water Efficiency Cost:	\$0

* Indicates a business case may be required for this item.

There are no Water Efficiency components specified for this project.

Sustainable Infrastructure - Energy Efficiency:

Energy efficiency is the use of improved technologies and practices to reduce the energy consumption of water projects, use energy in a more efficient way, and/or produce/utilize renewable energy. Examples include:

Component	Cost
<input type="checkbox"/> Renewable energy projects, which are part of a public health project, such as wind, solar, geothermal, and micro-hydroelectric that provides power to a utility.	\$0
<input type="checkbox"/> Utility-owned or publicly-owned renewable energy projects.	\$0
<input type="checkbox"/> Utility energy management planning, including energy assessments, energy audits, optimization studies, and sub-metering of individual processes to determine high energy use areas.	\$0
<input type="checkbox"/> Energy efficient retrofits, upgrades, or new pumping systems and treatment processes (including variable frequency drives (VFDs).*	\$0
<input type="checkbox"/> Pump refurbishment to optimize pump efficiency.*	\$0
<input type="checkbox"/> Projects that result from an energy efficient related assessment.*	\$0
<input type="checkbox"/> Projects that cost effectively eliminate pumps or pumping stations.*	\$0
<input type="checkbox"/> Projects that achieve the remaining increments of energy efficiency in a system that is already very efficient.*	\$0
<input type="checkbox"/> Upgrade of lighting to energy efficient sources.*	\$0
<input type="checkbox"/> Automated and remote control systems (SCADA) that achieve substantial energy savings.*	\$0
Total Energy Efficiency Cost:	\$0

* Indicates a business case may be required for this item.

There are no Energy Efficiency components specified for this project.

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Drinking Water Project Profile
 WX21025033 - Breathitt County Water District
 Breathitt Waterline Extensions Phase 2

Sustainable Infrastructure - Environmentally Innovative:

Environmentally innovative projects include those that demonstrate new and/or innovative approaches to delivering services or managing water resources in a more sustainable way. Examples include:

Component	Cost
<input type="checkbox"/> Total integrated water resources management planning, or other planning framework where project life cycle costs are minimized, which enables communities to adopt more efficient and cost-effective infrastructure solutions.	\$0
<input type="checkbox"/> Plans to improve water quantity and quality associated with water system technical, financial, and managerial capacity.	\$0
<input type="checkbox"/> Source water protection planning (delineation, monitoring, modeling).	\$0
<input type="checkbox"/> Planning activities to prepare for adaptation to the long-term effects of climate change and/or extreme weather.	\$0
<input type="checkbox"/> Utility sustainability plan consistent with EPA's sustainability policy.	\$0
<input type="checkbox"/> Greenhouse gas inventory or mitigation plan and submission of a GHG inventory to a registry as long as it is being done for an SRF eligible facility.	\$0
<input type="checkbox"/> Construction of US Building Council LEED certified buildings, or renovation of an existing building.	\$0
<input type="checkbox"/> Projects that significantly reduce or eliminate the use of chemicals in water treatment.*	\$0
<input type="checkbox"/> Treatment technologies or approaches that significantly reduce the volume of residuals, minimize the generation of residuals, or lower the amount of chemicals in the residuals.*	\$0
<input type="checkbox"/> Trenchless or low impact construction technology.*	\$0
<input type="checkbox"/> Using recycled materials or re-using materials on-site.*	\$0
<input type="checkbox"/> Educational activities and demonstration projects for water or energy efficiency (such as rain gardens).*	\$0
<input type="checkbox"/> Projects that achieve the goals/objectives of utility asset management plans.*	\$0
Total Environmentally Innovative Cost:	\$0

* Indicates a business case may be required for this item.

There are no Environmentally Innovative components specified for this project.

Sustainable Infrastructure - Asset Management:

If a category is selected, the applicant must provide proof to substantiate claims. The documents must be submitted to Anshu Singh (Anshu.Singh@ky.gov) for CW projects

Component
Last Rate Adjustment Date: 07-01-2018 Download Fee Schedule
Rate Adjustment Age: 18 months
System's monthly water bill, based on 4,000 gallons, as a percentage of MHI: 2.76%
<input type="checkbox"/> The system(s) has a Capital Improvement Plan or similar planning document.
<input type="checkbox"/> The system(s) involved in this project have specifically allocated funds for the rehabilitation and replacement of aging and deteriorating infrastructure.

Project Status: Pending

Date Approved:

Date Revised:

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