

**COMMONWEALTH OF KENTUCKY**

**BEFORE THE PUBLIC SERVICE COMMISSION**

**In the Matter of:**

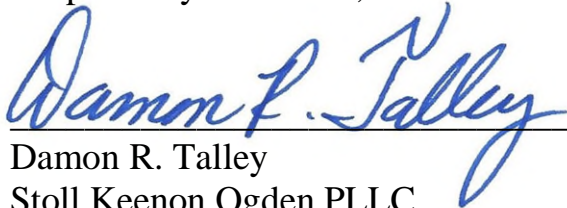
**ELECTRONIC APPLICATION OF )  
CANNONSBURG WATER DISTRICT )  
FOR A CERTIFICATE OF PUBLIC )  
CONVENIENCE AND NECESSITY TO )  
INSTALL A ZONE METERING )  
SYSTEM AND OTHER SYSTEM )  
IMPROVEMENTS, AUTHORIZATION ) **CASE NO. 2020-00118**  
TO EXECUTE AN ASSISTANCE )  
AGREEMENT WITH THE KENTUCKY )  
INFRASTRUCTURE AUTHORITY, )  
AND AUTHORIZATION TO DISBURSE )  
SURCHARGE PROCEEDS )**

**NOTICE OF COMPLIANCE**

In compliance with Ordering Paragraph 4 of the Order of June 4, 2020, Cannonsburg Water District submits the final decisions of the Kentucky Department of Highways regarding encroachment permits for the proposed project.

Dated: June 9, 2020

Respectfully submitted,




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(502) 568-5711  
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*Counsel for Cannonsburg Water District*

### **CERTIFICATE OF SERVICE**

In accordance with 807 KAR 5:001, Section 8, I certify that Cannonsburg Water District's electronic filing of this Notice is a true and accurate copy of the same document being filed in paper medium; that the electronic filing was transmitted to the Public Service Commission on June 9, 2020; that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding; and that within 30 days following the end of the state of emergency announced in Executive Order 2020-215 this Response in paper medium will be delivered to the Public Service Commission.

  
\_\_\_\_\_  
*Counsel for Cannonsburg Water District*



**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

May 28, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00031  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



**ENCROACHMENT PERMIT GENERAL NOTES &  
 SPECIFICATIONS**

KYTC KEPT # 09-2020-00031

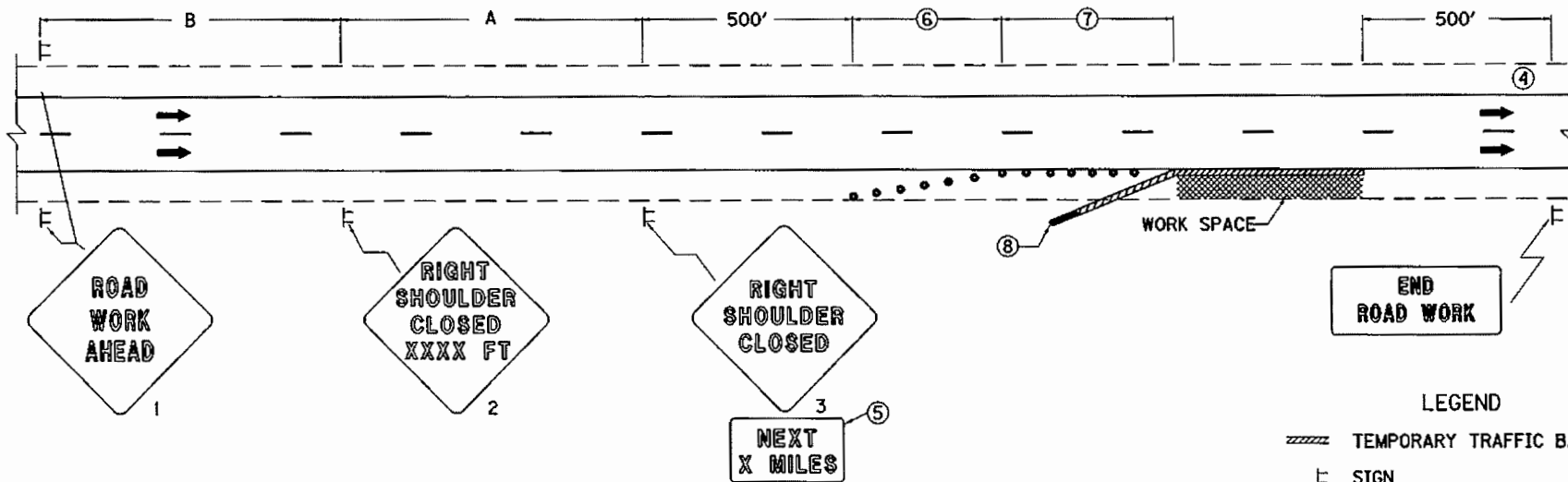
X	<b>SAFETY</b>
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	Before You Dig: The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should take place during daylight hours and not during inclement weather conditions.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X	<b>GENERAL</b>
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant/Contractor should have on hand and available all personal protective equipment/signage needed to successfully and safely complete the work. No work should begin until these items have been obtained if not readily available.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grass cover will be mandatory before the permit is released in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	Miscellaneous requirements pertaining to this permit are as follows:  If you have any questions concerning this work, please contact Derrick Logan at 1-606-845-2551 and thank you.
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**NOTICE TO PERMITTEE**

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



1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

- LEGEND
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES
    - CONES
    - DRUMS
    - TYPE II BARRICADES
    - TUBULAR MARKERS
  - CRASH CUSHION

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG.  
TTD-110

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/ FREEWAY	1000'	1600'	840'
SP. LT. ≥ 45 MPH*	500'	500'	680'
SP. LT. ≤ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

KENTUCKY  
DEPARTMENT OF HIGHWAYS

SHOULDER CLOSURE

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

APPLICATION

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

**Option:**

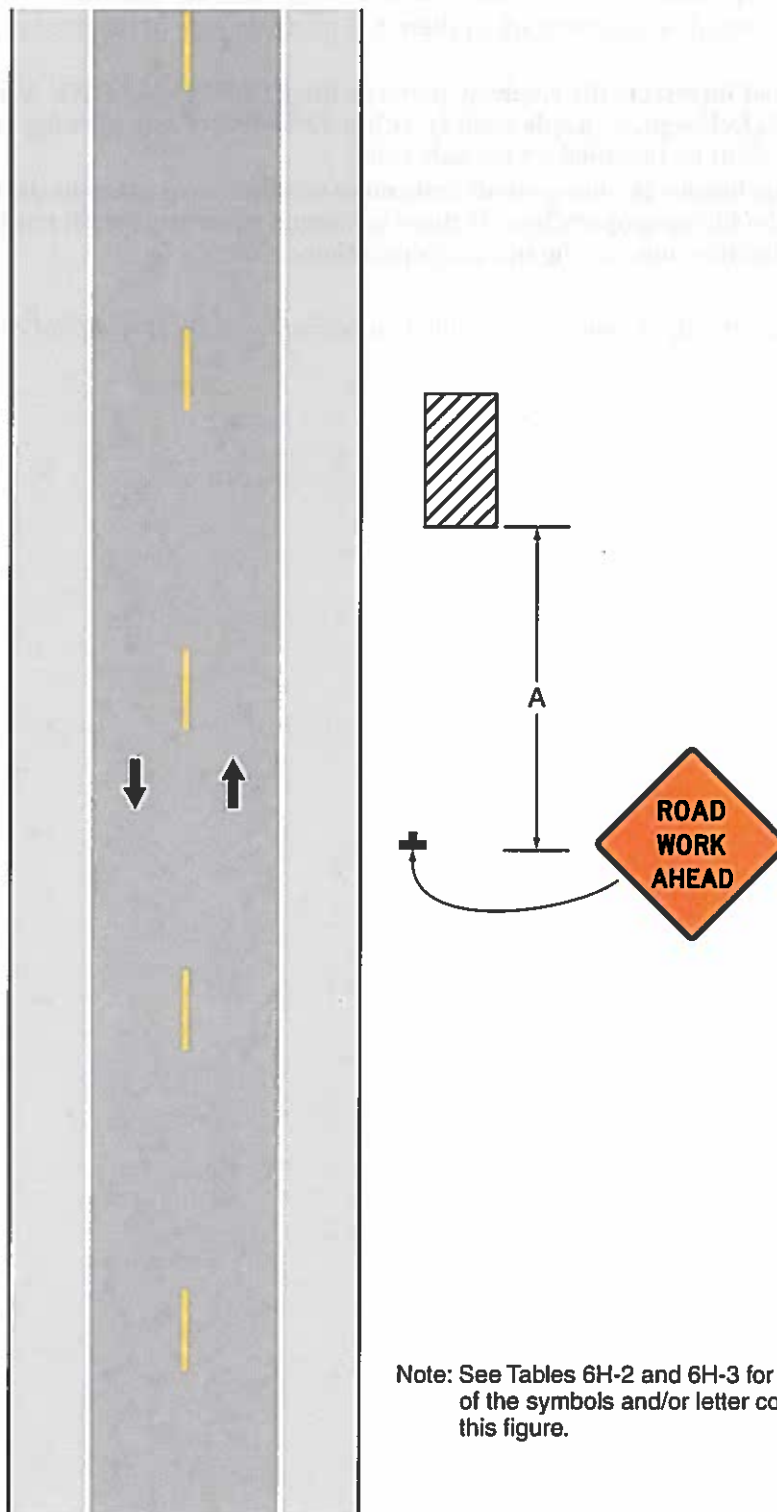
2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**



Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00031

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> US 60	<b>MILE POINT</b> 5.1	<b>LONGITUDE (X)</b> 38.400725
			<b>LATITUDE (Y)</b> -82.711899

**ADDITIONAL LOCATION INFORMATION:**

See attached Cannonsburg Area Sheet No. 2 of 4

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00031

**SECTION 1: APPLICANT CONTACT INFORMATION**

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<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
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			<b>LATITUDE (Y)</b> -82.711899

**ADDITIONAL LOCATION INFORMATION:**

See attached Cannonsburg Area Sheet No. 2 of 4

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

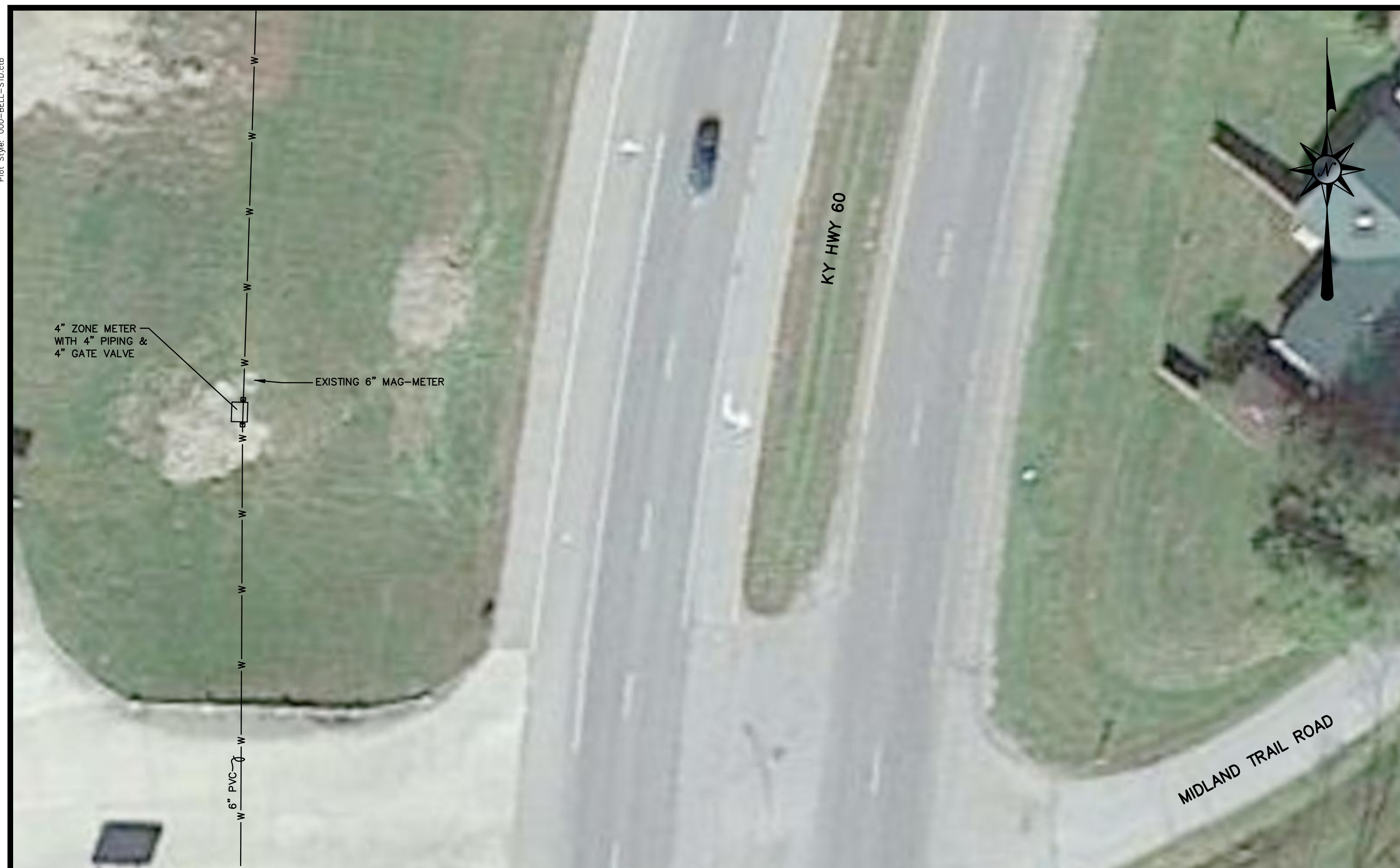
2/25/2020

SIGNATURE

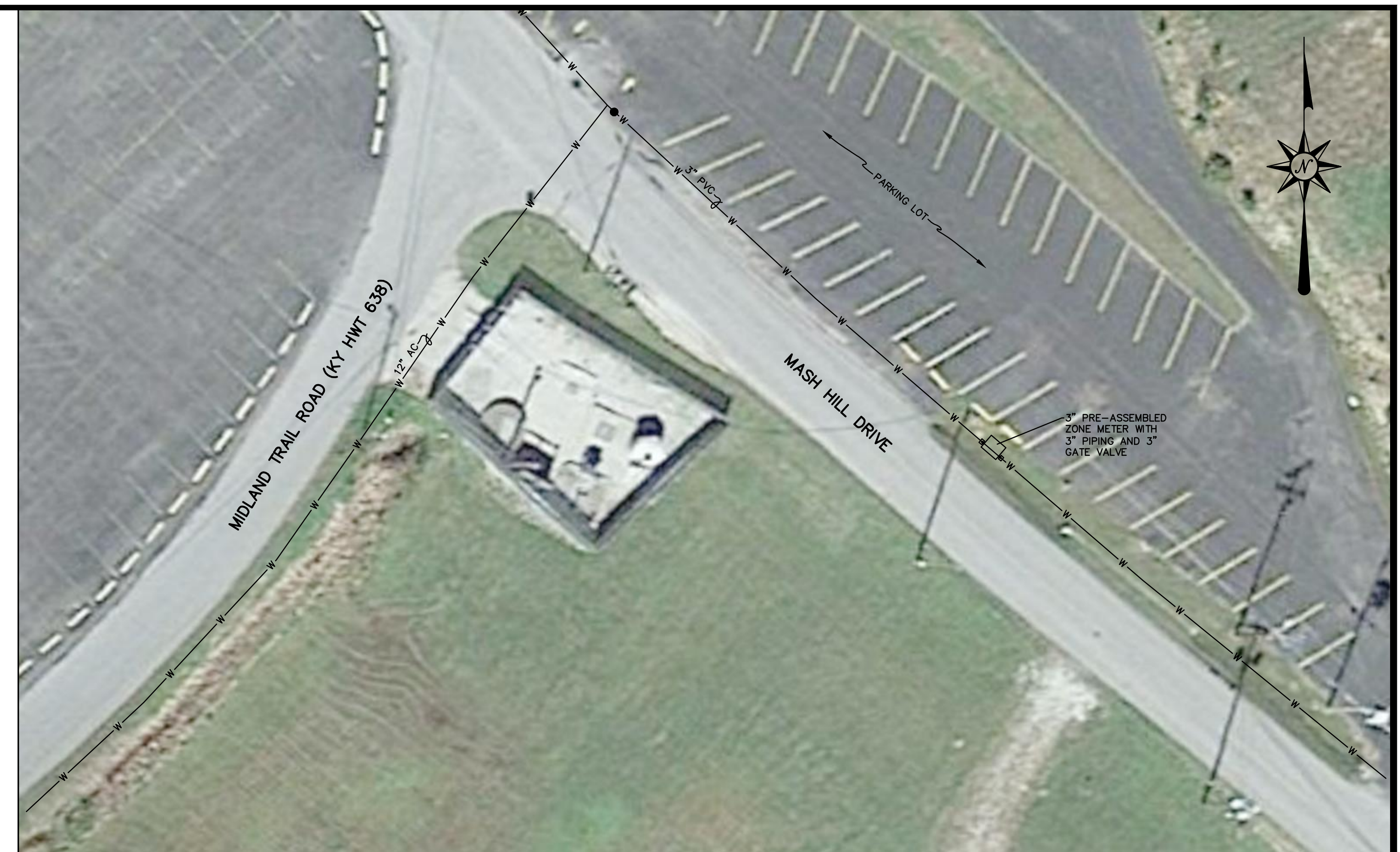
DATE

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Plot Style: 000-BELL-STD.ctb



KY HWY 60 AT MIDLAND TRAIL ROAD (KY HWY 638)



MIDLAND TRAIL ROAD (KY HWY 638) AT MASH HILL DRIVE

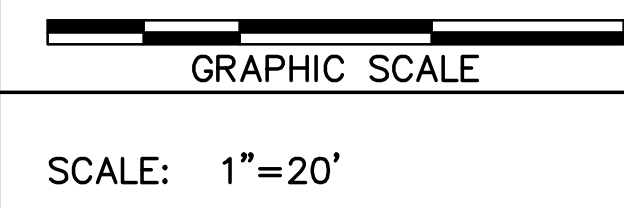


SHOPE CREEK ROAD (KY HWY 538) AT MIDLAND TRAIL ROAD (KY HWY 638)



SHOPE CREEK ROAD (KY HWY 538) AT CARLISLE DRIVE

DESIGNER	RAB	DATE	BY	REVISION
DRAWN	DRH			
CHECKED	KGG			
APPROVED	RAB			



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THIS DOCUMENT IS THE PROPERTY OF BELL ENGINEERING AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT THE WRITTEN PERMISSION OF BELL ENGINEERING.

Lexington, KY (859) 278-5412  
Hopkinsville, KY (270) 886-5466  
Asheville, NC (828) 774-5499

PHASE 1 – ZONE METERING PROJECT  
CANNONBURG WATER DISTRICT  
CANNONBURG, KENTUCKY

CANNONBURG AREA

DIVISION	B
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	2 OF 3

J:\CANNONBURG\ZONE METER PROJECT\19-01-CANNONBURG AREA.dwg PlotDate: Thu, 07 Nov 2019 - 10:08am by Doug



Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



P: 859-278-5412 | C: 859-319-6784 | F: 859-278-2911

[abowman@hkbell.com](mailto:abowman@hkbell.com) | [www.hkbell.com](http://www.hkbell.com)

2480 Fortune Drive, Suite 350  
Lexington, KY 40509





**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

May 28, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00032  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



Kentucky Transportation Cabinet  
 Department of Highways  
 Division of Maintenance  
 Permits Branch

**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 09-2020-00032  
 \_\_\_\_\_  
**Permittee:** Cannonsburg Water District  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Water  
 \_\_\_\_\_  
**Work Completion Date:** 9/24/2020  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$2,000.00	999049423
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

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

Vickie Griggs	D9 Traffic/Permits Supervisor	5/28/2020
<b>SIGNATURE</b>	<b>TITLE</b>	<b>DATE</b>

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

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Meter Installation Location	Boyd - KY 538	38.418040	-82.697863



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



## ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

KYTC KEPT # 09-2020-00032

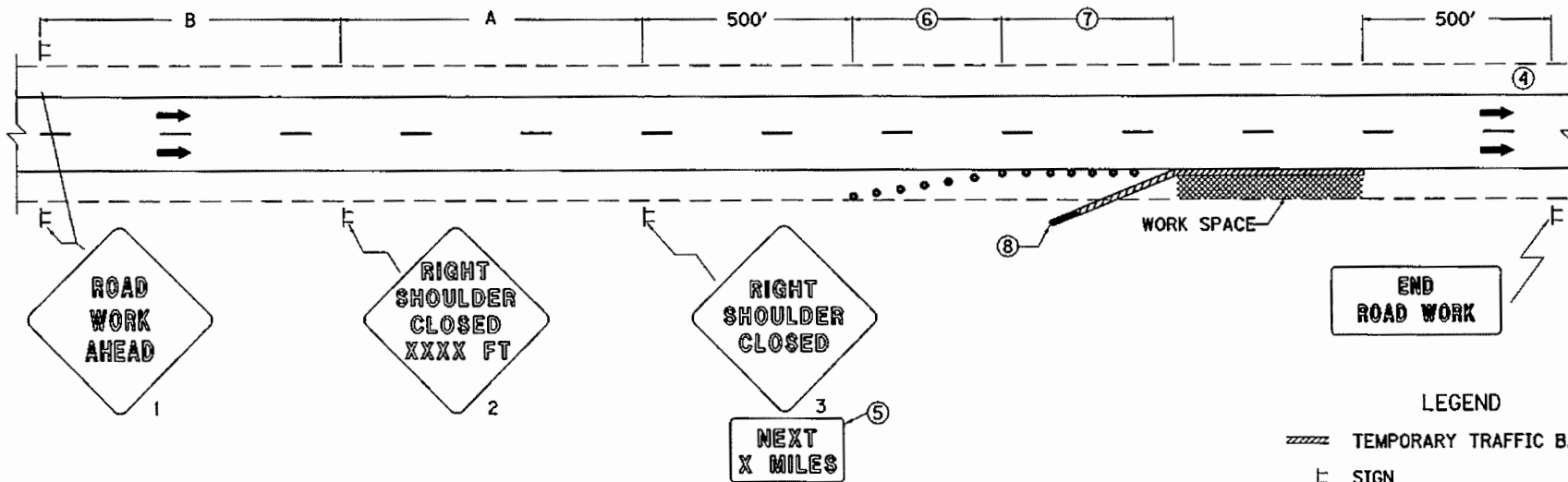
X	<b>SAFETY</b>
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	<b>Before You Dig:</b> The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should be completed during daylight hours and no work should take place during inclement weather conditions.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X	<b>GENERAL</b>
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant/Contractor shall have all appropriate personal protective equipment and signage required for the successful completion of the work prior to beginning. If not on hand, no work should begin until all necessary items are obtained.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grass covering shall be established at the disturbed area before the permit will be released in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	Miscellaneous requirements pertaining to this permit are as follows:  As per Alan Bowman of Bell Engineering, there will be no bituminous or shoulder replacement associated with this work. If any questions arise about this approved permit, please contact Derrick Logan at 1-606-845-2551 and thank you.
---	---

**NOTICE TO PERMITTEE**

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



1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

- LEGEND
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES
    - CONES
    - DRUMS
    - TUBULAR MARKERS
  - CRASH CUSHION

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG.  
TTD-110

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/ FREEWAY	1000'	1600'	840'
SP. LT. ≥ 45 MPH*	500'	500'	680'
SP. LT. ≤ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

KENTUCKY  
DEPARTMENT OF HIGHWAYS

SHOULDER CLOSURE

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

APPLICATION

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

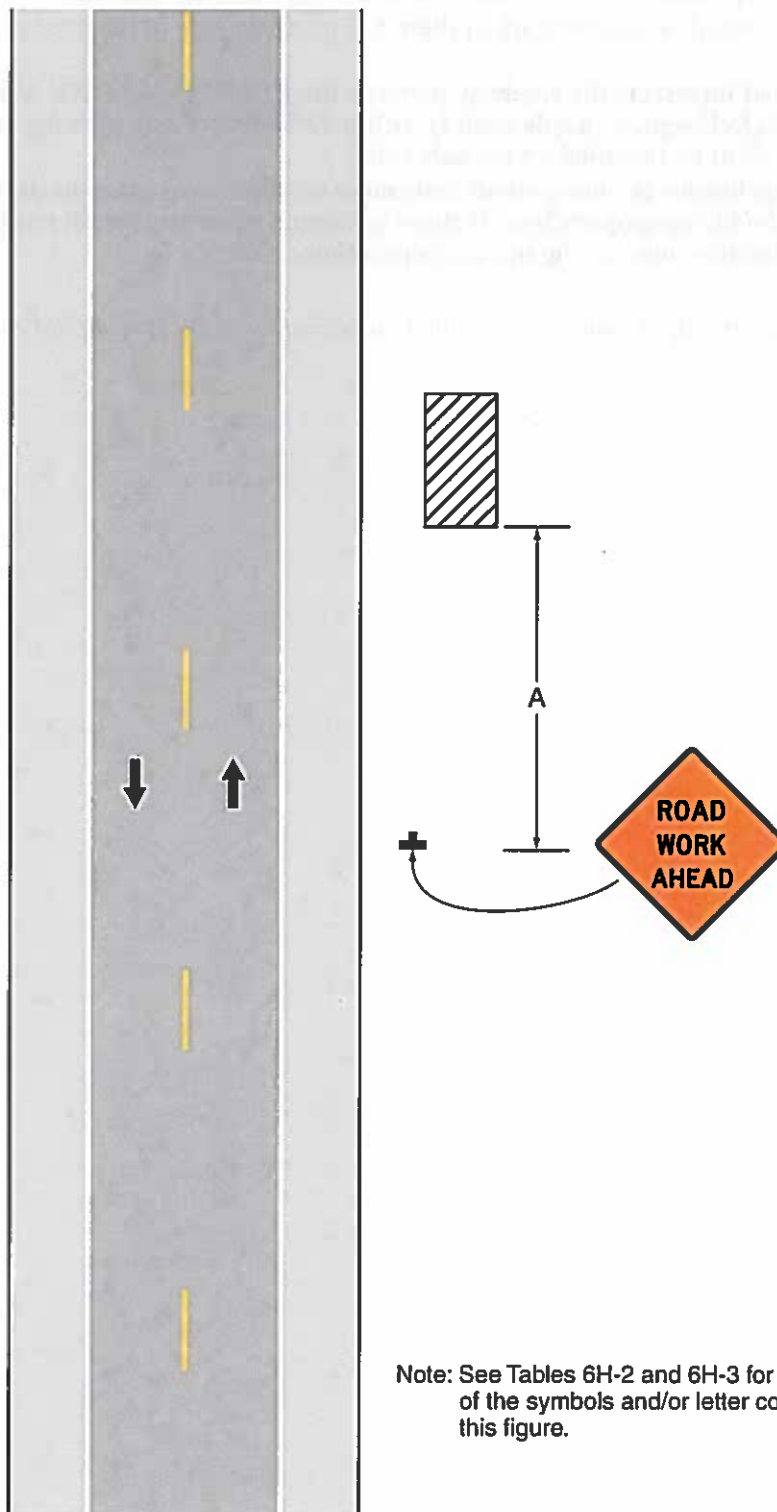
**Option:**

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

---

## PERMITTEE

Name: Cannonsburg Water District  
Contact Person:  
Address: 1606 Cannonsburg Road  
City: Ashland  
State: Kentucky  
Zip: 41102  
Telephone: (859) 278-5412

## PROJECT IDENTIFICATION

Permit Number: 09-2020-00032

---

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

---

Permittee

---

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

Please Return to: Permit Engineer  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Meter Installation Location	Boyd - KY 538	38.418040	-82.697863



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00032

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> KY 538	<b>MILE POINT</b> 0.375	<b>LONGITUDE (X)</b> 38.418098
			<b>LATITUDE (Y)</b> -82.697890

**ADDITIONAL LOCATION INFORMATION:**

See attached Cannonsburg Area Sheet No. 2 of 4

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00032

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> KY 538	<b>MILE POINT</b> 0.375	<b>LONGITUDE (X)</b> 38.418098
			<b>LATITUDE (Y)</b> -82.697890

**ADDITIONAL LOCATION INFORMATION:**

See attached Cannonsburg Area Sheet No. 2 of 4

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

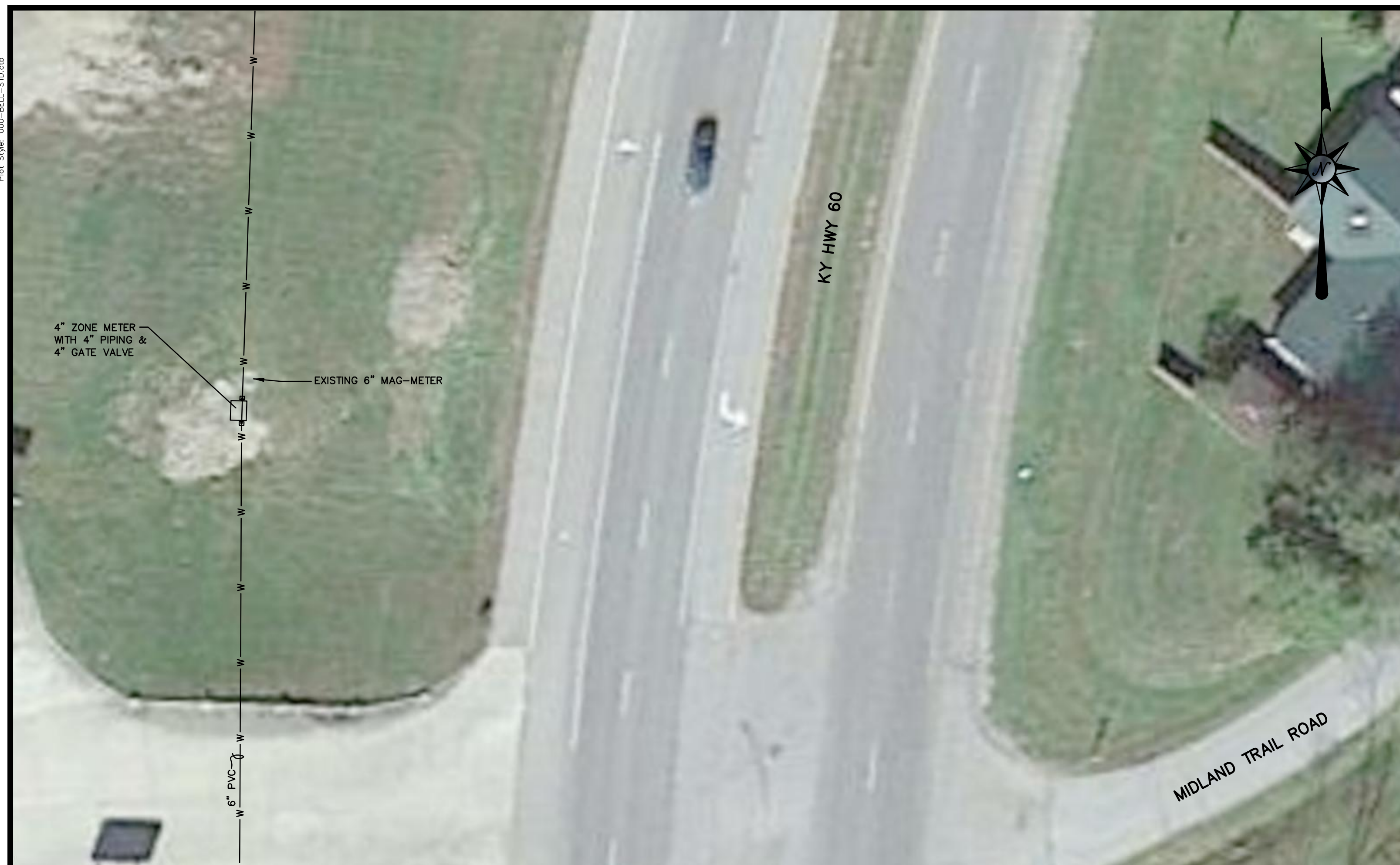
2/25/2020

SIGNATURE

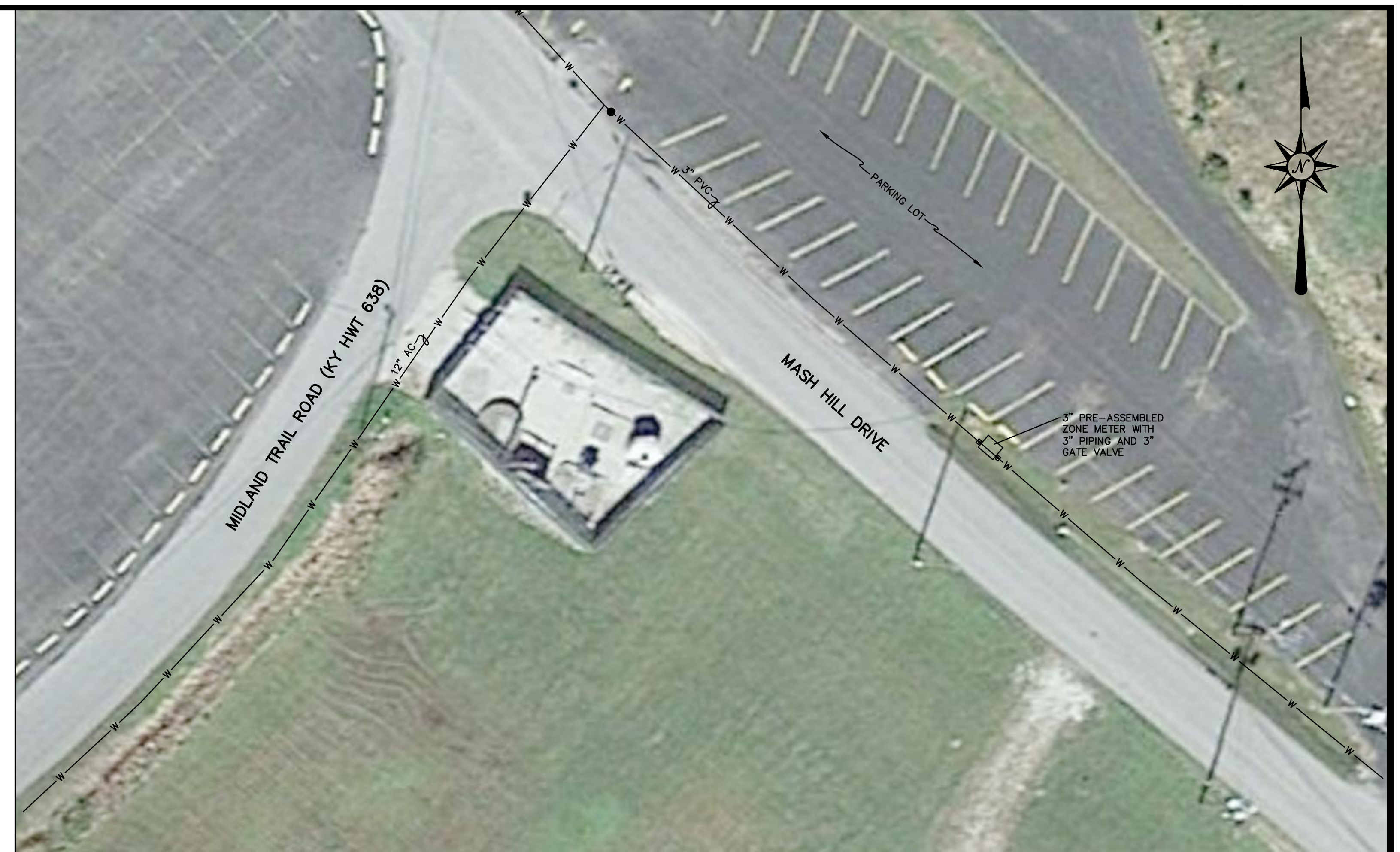
DATE

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

Plot Style: 000-BELL-STD.ctb



KY HWY 60 AT MIDLAND TRAIL ROAD (KY HWY 638)



MIDLAND TRAIL ROAD (KY HWY 638) AT MASH HILL DRIVE



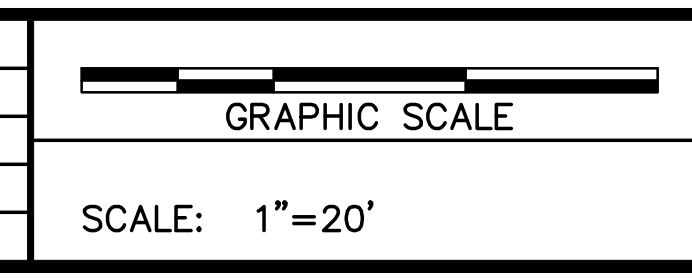
SHOPE'S CREEK ROAD (KY HWY 538) AT MIDLAND TRAIL ROAD (KY HWY 638)



SHOPE'S CREEK ROAD (KY HWY 538) AT CARLISLE DRIVE

J:\CANNONBURG\PROJECTS\19-01-CANNONBURG AREA\Zone Meter Project\19-01-CANNONBURG AREA.dwg Plotted Thu, 07 Nov 2019 - 10:08am by Doug

DESIGNER	RAB	DATE	BY	REVISION
DRAWN	DRH			
CHECKED	KGG			
APPROVED	RAB			



ALL RIGHTS RESERVED  
THIS DOCUMENT IS THE PROPERTY OF BELL ENGINEERING AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT THE WRITTEN PERMISSION OF BELL ENGINEERING.

Lexington, KY (859) 278-5412  
Hopkinsville, KY (270) 886-5466  
Asheville, NC (828) 774-5499

PHASE 1 – ZONE METERING PROJECT  
CANNONBURG WATER DISTRICT  
CANNONBURG, KENTUCKY

CANNONBURG AREA

DIVISION	B
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	2 OF 3



Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



P: 859-278-5412 | C: 859-319-6784 | F: 859-278-2911

[abowman@hkbell.com](mailto:abowman@hkbell.com) | [www.hkbell.com](http://www.hkbell.com)

2480 Fortune Drive, Suite 350  
Lexington, KY 40509





**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

May 28, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00033  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



Kentucky Transportation Cabinet  
 Department of Highways  
 Division of Maintenance  
 Permits Branch

**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 09-2020-00033  
 \_\_\_\_\_  
**Permittee:** Cannonsburg Water District  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Water  
 \_\_\_\_\_  
**Work Completion Date:** 9/30/2020  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$2,000.00	999049423
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

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

Vickie Griggs D9 Traffic/Permits Supervisor 5/28/2020  
 \_\_\_\_\_  
**SIGNATURE TITLE DATE**

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

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Installation Location of Water Meter	Boyd - US 60	38.387024	-82.716721



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



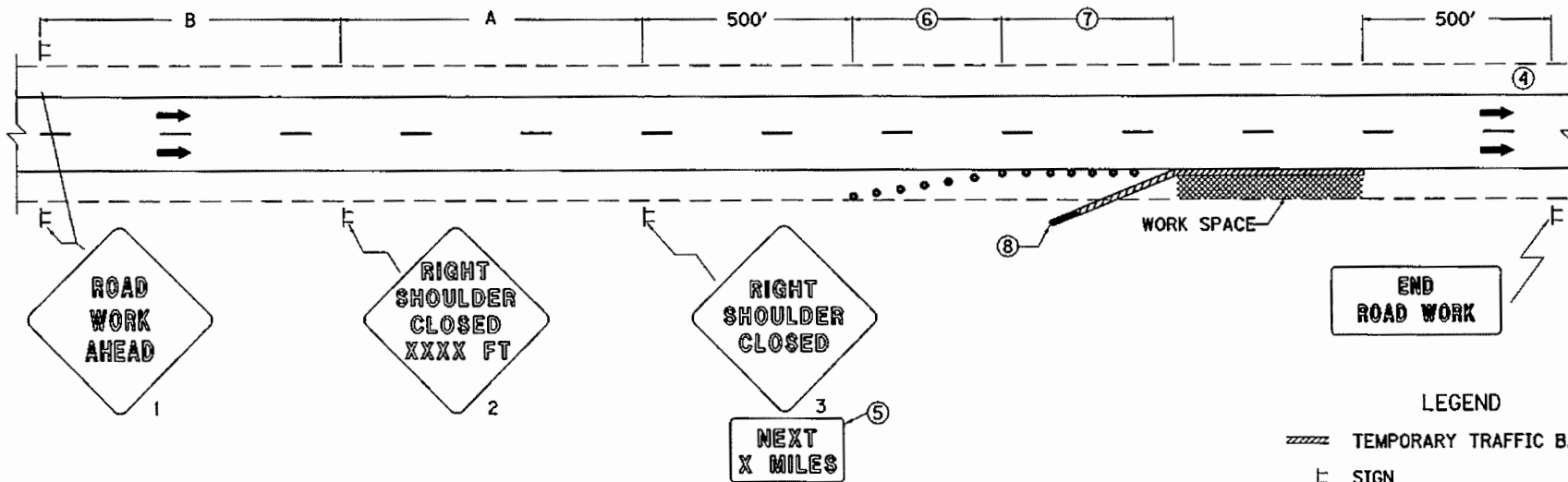
**ENCROACHMENT PERMIT GENERAL NOTES &  
SPECIFICATIONS**

KYTC KEPT # 09-2020-00033

X	<b>SAFETY</b>
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	<b>Before You Dig:</b> The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should take place during daylight hours. No work should take place during inclement weather events.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X	<b>GENERAL</b>
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant/Contractor should have on hand all required personal protective equipment/signage needed for the successful completion of this work. If not readily available, no work should take place until those items are obtained.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grassy covering will be required to be established before the permit is released in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	<p>Miscellaneous requirements pertaining to this permit are as follows:</p> <p>As per Alan Bowman of Bell Engineering, there will be no bituminous or shoulder replacement associated with this work. If any questions arise about the approved work please contact Derrick Logan at 1-606-845-2551 and thank you.</p>
<b><u>NOTICE TO PERMITTEE</u></b>	
<p>THE PERMITTEE AGREES THAT ALL WORK WITHIN THE EXISTING RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH PLANS AS APPROVED AND PERMITTED BY AN ENCROACHMENT PERMIT. THE PERMITTEE SHALL MEET ALL DEPARTMENT POLICIES, STANDARD DRAWINGS, AND STANDARD SPECIFICATIONS. ANY CHANGES OR VARIANCES MADE AT THE TIME OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF HIGHWAYS SHALL BE REMOVED BY THE PERMITTEE AT NO EXPENSE TO THE DEPARTMENT OF HIGHWAYS AND SHALL BE REDONE BY THE PERMITTEE TO CONFORM WITH THE APPROVED PLANS.</p>	



- LEGEND
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES
    - CONES
    - DRUMS
    - TUBULAR MARKERS
  - CRASH CUSHION

1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/FREEWAY	1000'	1600'	840'
SP. LT. ≥ 45 MPH*	500'	500'	680'
SP. LT. ≤ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG. TTD-110

KENTUCKY  
DEPARTMENT OF HIGHWAYS

SHOULDER CLOSURE

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

APPLICATION

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

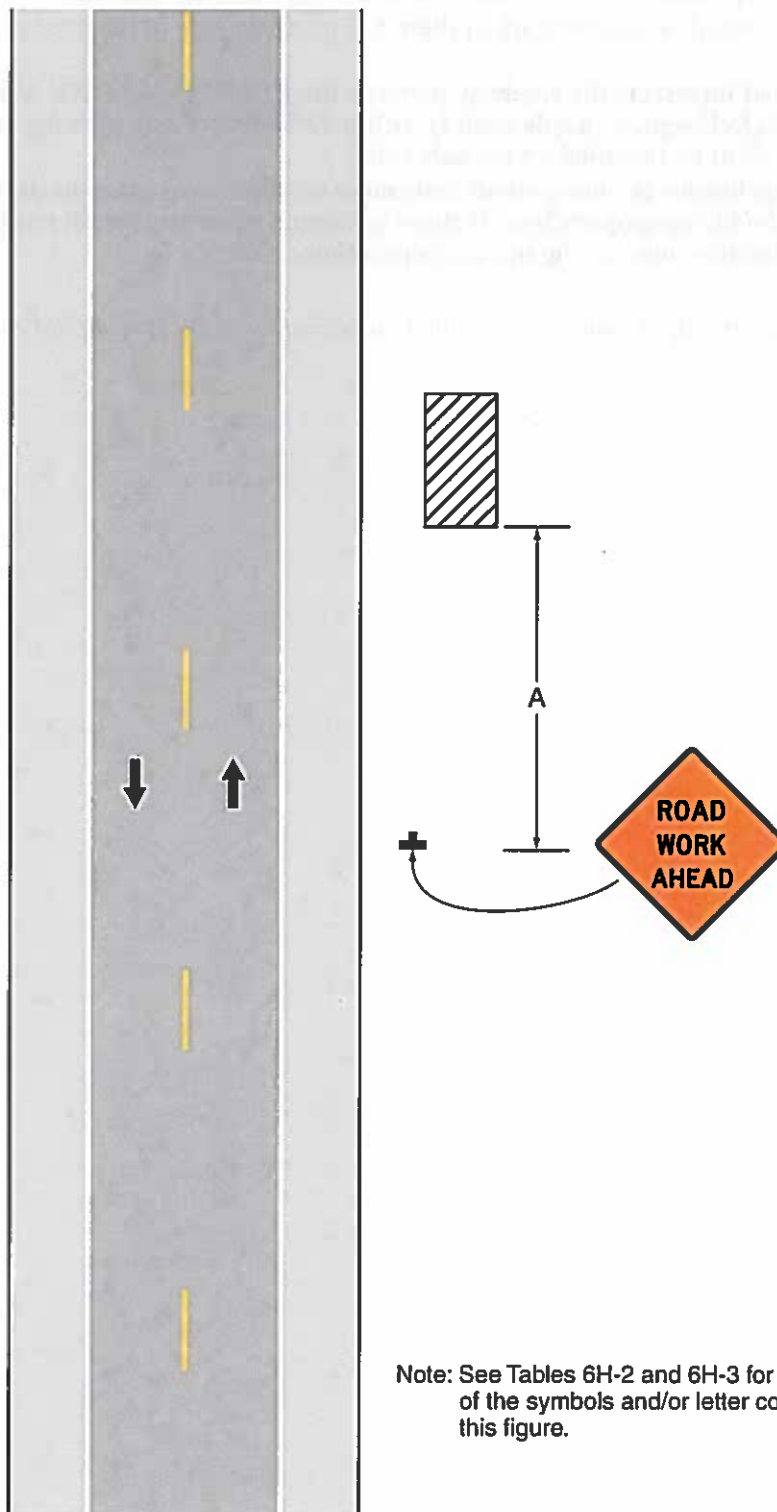
**Option:**

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

---

## PERMITTEE

Name: Cannonsburg Water District  
Contact Person:  
Address: 1606 Cannonsburg Road  
City: Ashland  
State: Kentucky  
Zip: 41102  
Telephone: (859) 278-5412

## PROJECT IDENTIFICATION

Permit Number: 09-2020-00033

---

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

---

Permittee

---

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

Please Return to: Permit Engineer  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Installation Location of Water Meter	Boyd - US 60	38.387024	-82.716721



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00033

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> US 60	<b>MILE POINT</b> 3.98	<b>LONGITUDE (X)</b> 38.386804
			<b>LATITUDE (Y)</b> -82.716620

**ADDITIONAL LOCATION INFORMATION:**

See attached Cannonsburg Area Sheet No. 3 of 4

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00033

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> US 60	<b>MILE POINT</b> 3.98	<b>LONGITUDE (X)</b> 38.386804
			<b>LATITUDE (Y)</b> -82.716620

**ADDITIONAL LOCATION INFORMATION:**  
 See attached Cannonsburg Area Sheet No. 3 of 4

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

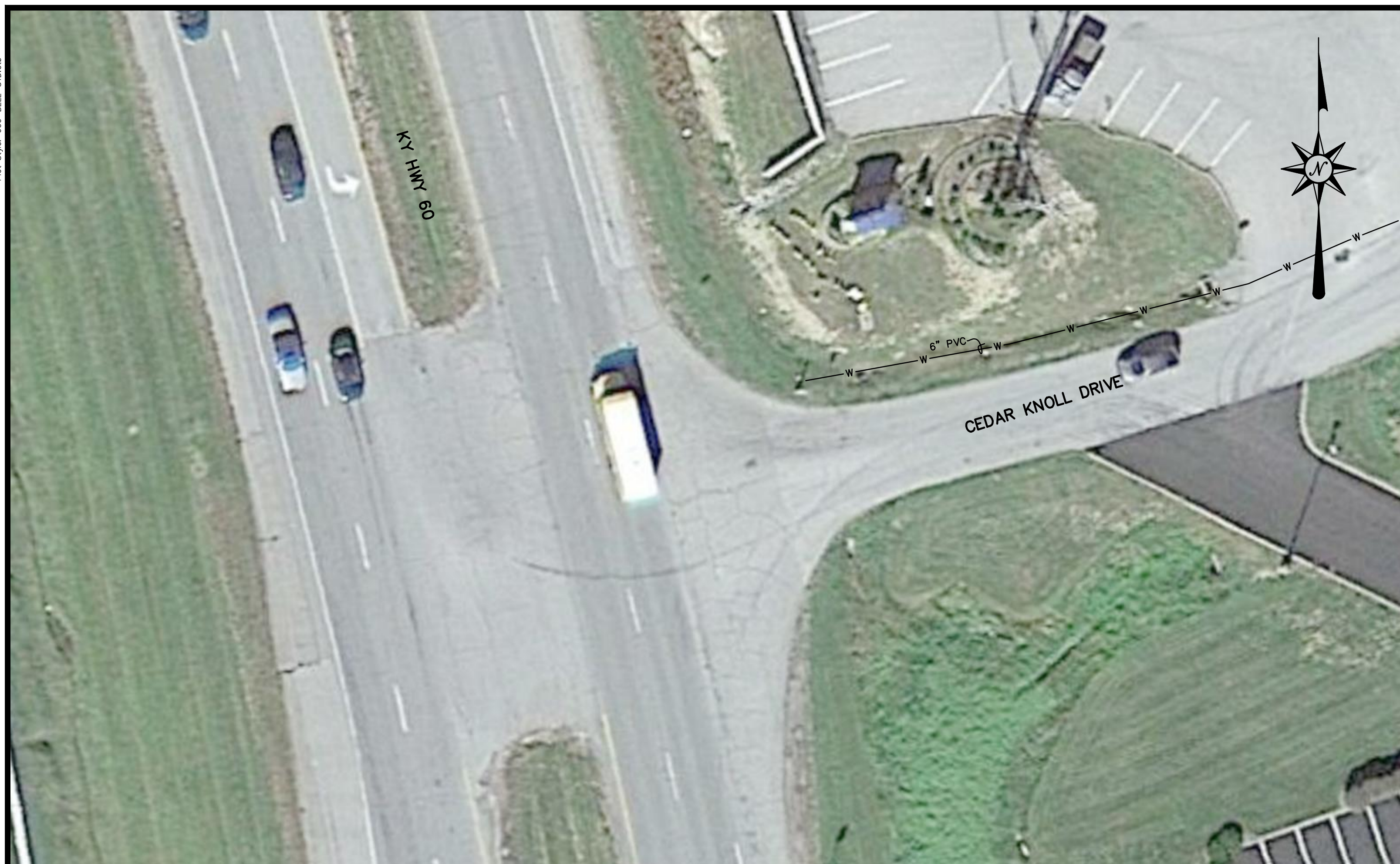
2/25/2020

SIGNATURE

DATE

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

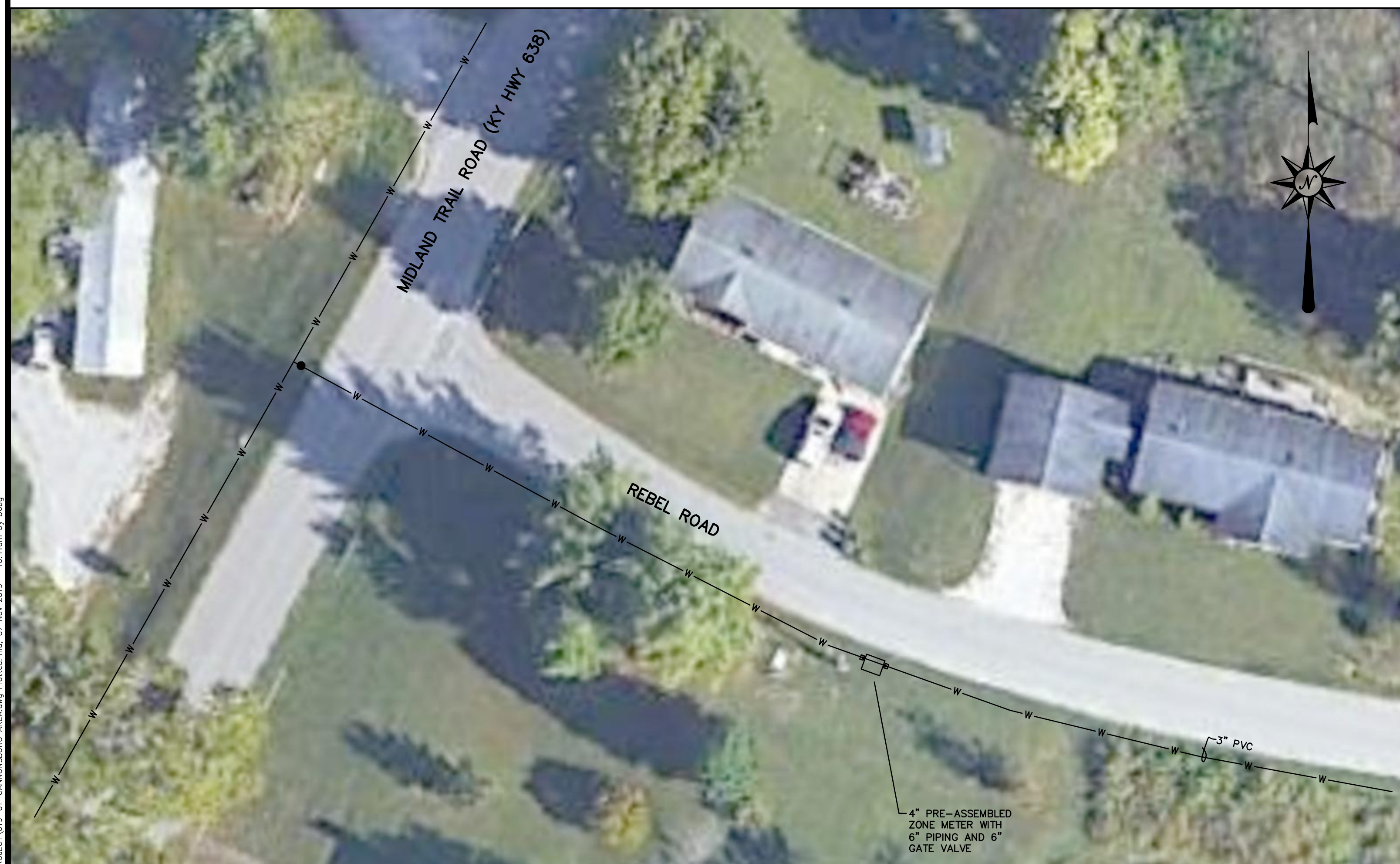
Plot Style: 000-BELL-STD.ctb



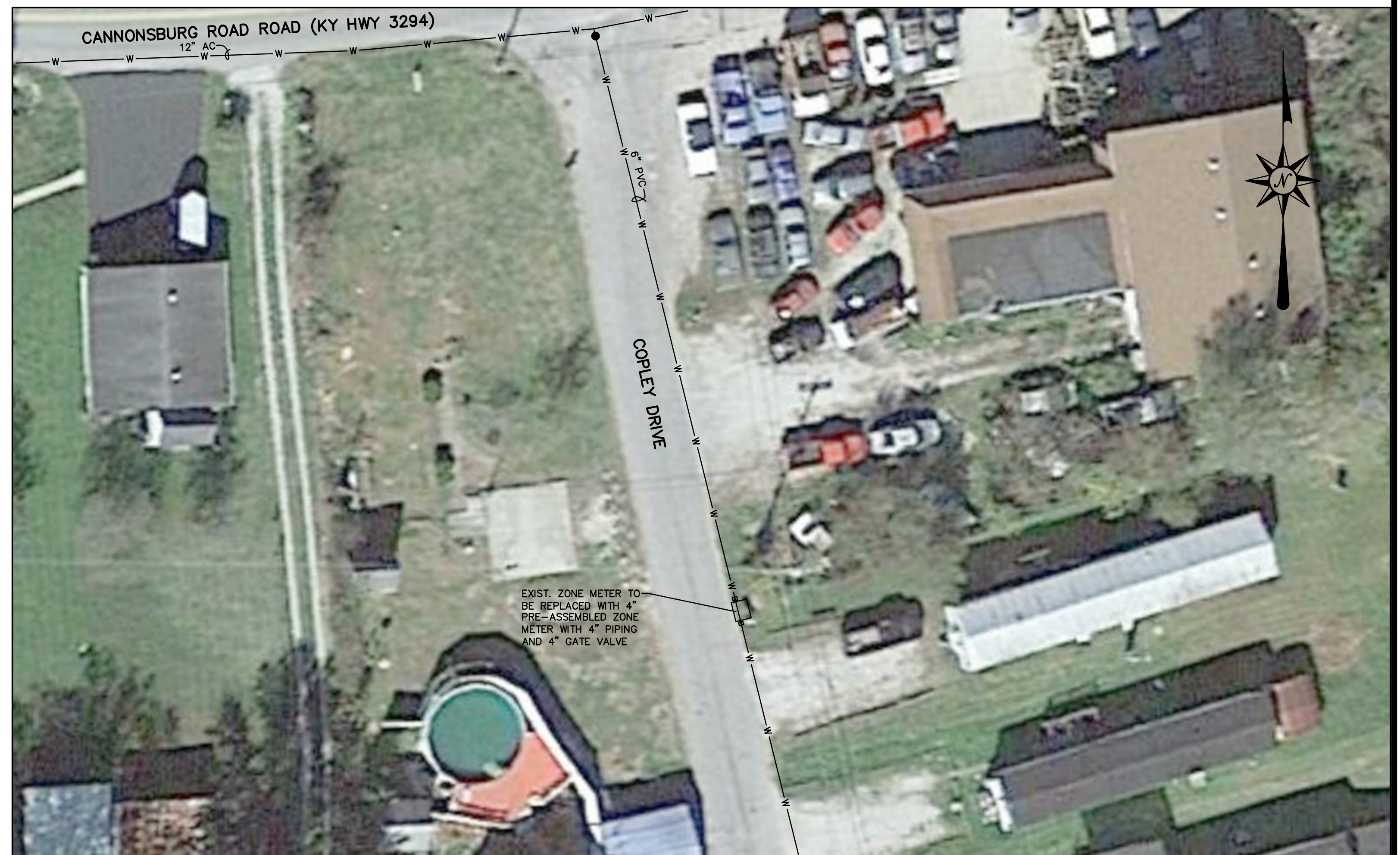
KY HWY 60 AT CEDAR KNOLL DRIVE



KY HWY 60 AT KY HWY 180 AT CANNONBURG ROAD (KY HWY 3294)

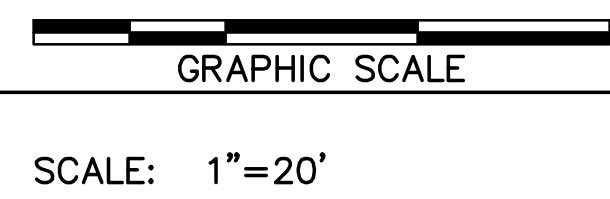


MIDLAND TRAIL ROAD (KY HWY 638) AT REBEL ROAD

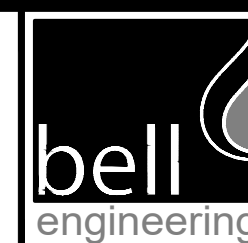


CANNONBURG ROAD (KY HWY 3294) AT COPLEY DRIVE

DESIGNER	RAB	DATE	BY	REVISION
DRAWN	DRH			
CHECKED	KGG			
APPROVED	RAB			



ALL RIGHTS RESERVED  
THIS DOCUMENT IS THE PROPERTY OF BELL ENGINEERING AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT THE WRITTEN PERMISSION OF BELL ENGINEERING.



Lexington, KY (859) 278-5412  
Hopkinsville, KY (270) 886-5466  
Asheville, NC (828) 774-5499

PHASE 1 – ZONE METERING PROJECT  
CANNONBURG WATER DISTRICT  
CANNONBURG, KENTUCKY

CANNONBURG AREA

DIVISION	B
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	3 OF 3

J:\CANNONBURG\0191-ZONE METER PROJECT\19-01-CANNONBURG AREA.dwg PlotDate: Thu, 07 Nov 2019 - 10:10am by Doug



Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



P: 859-278-5412 | C: 859-319-6784 | F: 859-278-2911

[abowman@hkbell.com](mailto:abowman@hkbell.com) | [www.hkbell.com](http://www.hkbell.com)

2480 Fortune Drive, Suite 350  
Lexington, KY 40509





**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

May 28, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00034  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 09-2020-00034  
 \_\_\_\_\_  
**Permittee:** Cannonsburg Water District  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Water  
 \_\_\_\_\_  
**Work Completion Date:** 9/30/2020  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$2,000.00	999049423
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

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

Vickie Griggs D9 Traffic/Permits Supervisor 5/28/2020  
 \_\_\_\_\_  
**SIGNATURE TITLE DATE**

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

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Location of Proposed Meter Installation	Boyd - KY 3294	38.388871	-82.702530



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



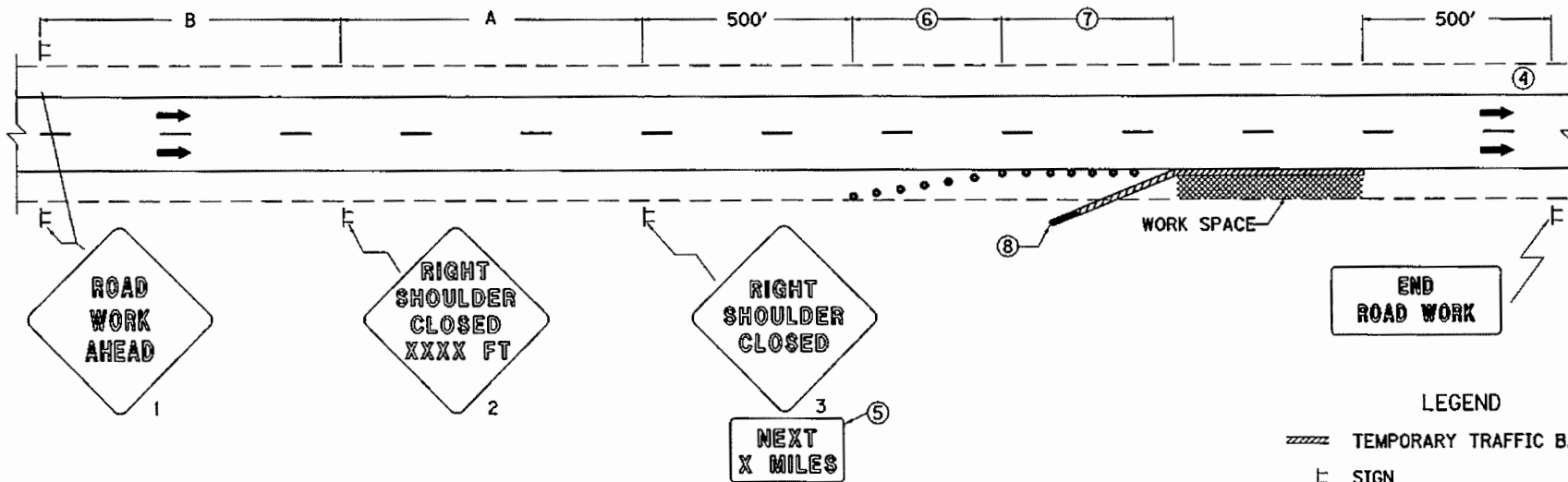
**ENCROACHMENT PERMIT GENERAL NOTES &  
 SPECIFICATIONS**

KYTC KEPT # 09-2020-00034

X	<b>SAFETY</b>
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	Before You Dig: The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should be completed during daylight hours. No work should take place during inclement weather events.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X	<b>GENERAL</b>
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant/Contractor should have readily available all personal protective equipment/signage needed for the successful completion of the work. If not available, then no work should take place until they are obtained.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grassy covering shall be established before the permit is released in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	<p>Miscellaneous requirements pertaining to this permit are as follows:</p> <p>Per Alan Bowman of Bell Engineering, there will be no bituminous or shoulder replacement associated with this work. If any questions arise concerning said work please contact Derrick Logan at 1-606-845-2551 and thank you.</p>
<b><u>NOTICE TO PERMITTEE</u></b>	
<p>THE PERMITTEE AGREES THAT ALL WORK WITHIN THE EXISTING RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH PLANS AS APPROVED AND PERMITTED BY AN ENCROACHMENT PERMIT. THE PERMITTEE SHALL MEET ALL DEPARTMENT POLICIES, STANDARD DRAWINGS, AND STANDARD SPECIFICATIONS. ANY CHANGES OR VARIANCES MADE AT THE TIME OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF HIGHWAYS SHALL BE REMOVED BY THE PERMITTEE AT NO EXPENSE TO THE DEPARTMENT OF HIGHWAYS AND SHALL BE REDONE BY THE PERMITTEE TO CONFORM WITH THE APPROVED PLANS.</p>	



- LEGEND**
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES
    - CONES
    - DRUMS
    - TYPE II BARRICADES
    - TUBULAR MARKERS
  - CRASH CUSHION

1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/FREEWAY	1000'	1600'	840'
SP. LT. ≥ 45 MPH*	500'	500'	680'
SP. LT. ≤ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG. TTD-110

KENTUCKY  
DEPARTMENT OF HIGHWAYS

**SHOULDER CLOSURE**

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

**APPLICATION**

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

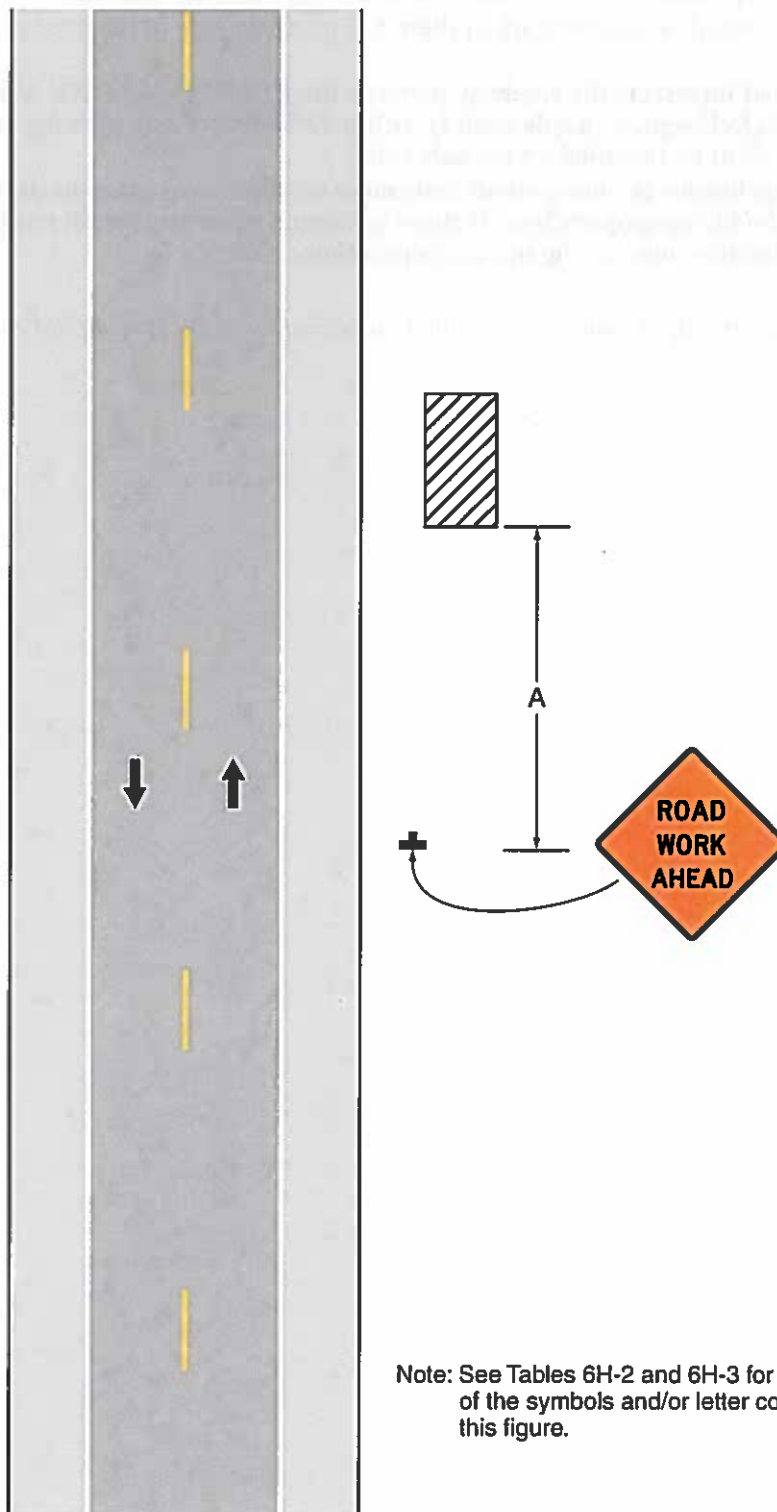
**Option:**

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

---

## PERMITTEE

Name: Cannonsburg Water District  
Contact Person:  
Address: 1606 Cannonsburg Road  
City: Ashland  
State: Kentucky  
Zip: 41102  
Telephone: (859) 278-5412

## PROJECT IDENTIFICATION

Permit Number: 09-2020-00034

---

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

---

Permittee

---

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

Please Return to: Permit Engineer  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Location of Proposed Meter Installation	Boyd - KY 3294	38.388871	-82.702530



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00034

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> KY 3294	<b>MILE POINT</b> 0.75	<b>LONGITUDE (X)</b> 38.388915
			<b>LATITUDE (Y)</b> -82.702357

**ADDITIONAL LOCATION INFORMATION:**  
 See attached Tarpin Ridge Area Sheet No. 2 of 3

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00034

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> KY 3294	<b>MILE POINT</b> 0.75	<b>LONGITUDE (X)</b> 38.388915
			<b>LATITUDE (Y)</b> -82.702357

**ADDITIONAL LOCATION INFORMATION:**

See attached Tarpin Ridge Area Sheet No. 2 of 3

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

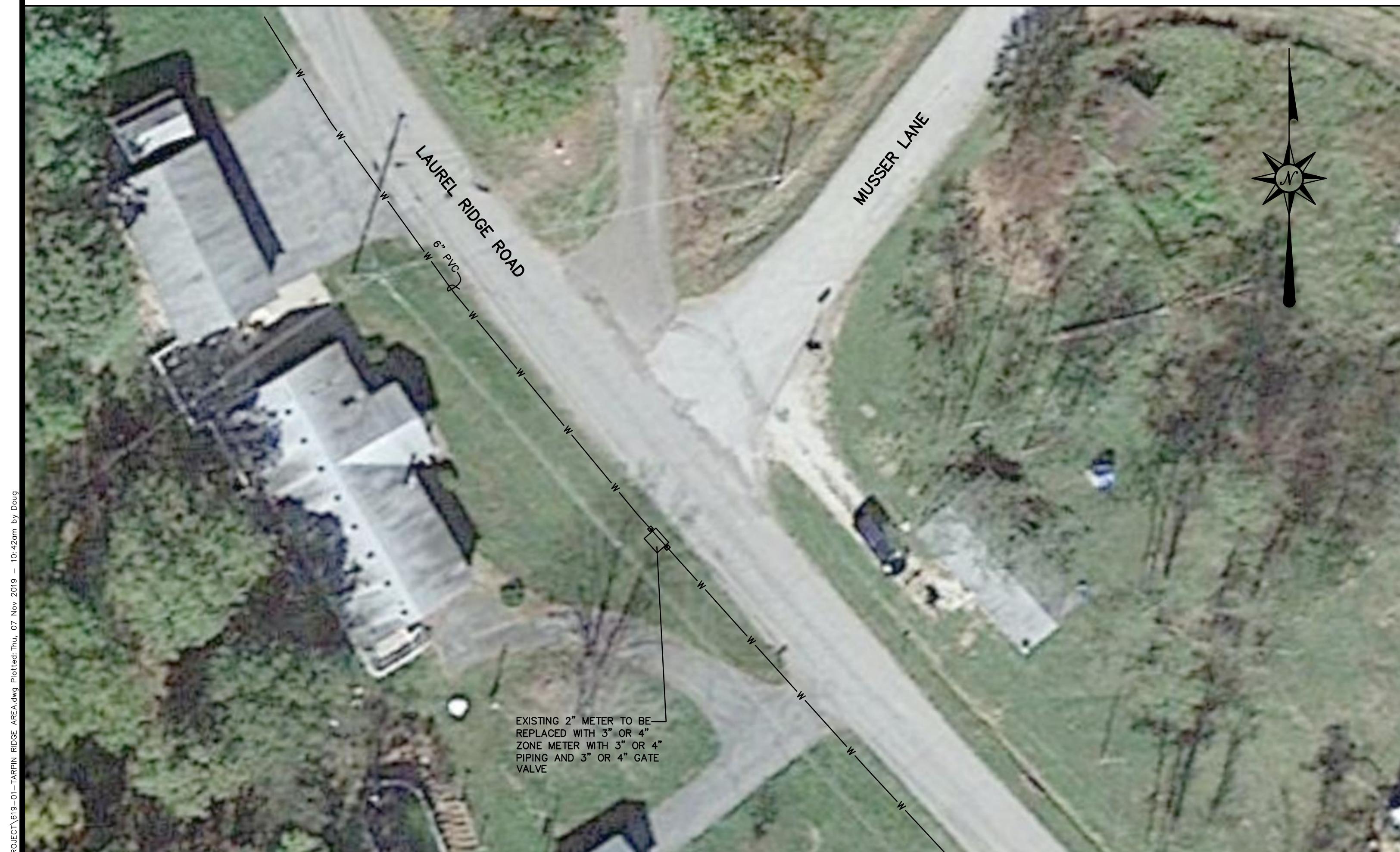
This is not a permit unless and until the applicant(s) receives an approved TC 99-1B from KYTC. This application shall become void if not approved by the cancellation date. The cancellation date shall be a minimum of one year from the date the applicant submits their application.



CANNONSBURG ROAD (KY HWY 3294 AT MIDLAND TRAIL ROAD (KY HWY 638))



MUSIC BRANCH ROAD AT COLLINS ROAD

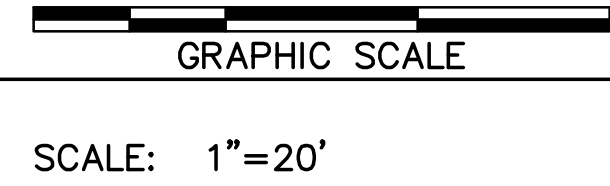


LAUREL RIDGE ROAD AT MUSSER LANE

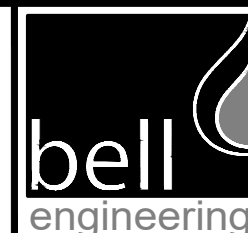


LAUREL RIDGE ROAD AT MCGUIRE DRIVE

DESIGNER	RAB	DATE	BY	REVISION
DRAWN	DRH			
CHECKED	KGG			
APPROVED	RAB			



ALL RIGHTS RESERVED  
THIS DOCUMENT IS THE PROPERTY OF BELL ENGINEERING AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT THE WRITTEN PERMISSION OF BELL ENGINEERING.



Lexington, KY (859) 278-5412  
Hopkinsville, KY (270) 886-5466  
Asheville, NC (828) 774-5499

PHASE 1 – ZONE METERING PROJECT  
CANNONSBURG WATER DISTRICT  
CANNONSBURG, KENTUCKY

TARPIN RIDGE AREA

DIVISION	F
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	2 OF 3



Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



Alan Bowman, PE  
Project Engineer

P: 859-278-5412 | C: 859-319-6784 | F: 859-278-2911

[abowman@hkbell.com](mailto:abowman@hkbell.com) | [www.hkbell.com](http://www.hkbell.com)

2480 Fortune Drive, Suite 350  
Lexington, KY 40509





**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

May 29, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00035  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



Kentucky Transportation Cabinet  
 Department of Highways  
 Division of Maintenance  
 Permits Branch

**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 09-2020-00035  
 \_\_\_\_\_  
**Permittee:** Cannonsburg Water District  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Water  
 \_\_\_\_\_  
**Work Completion Date:** 9/23/2020  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$2,000.00	999049423
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

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

Vickie Griggs D9 Traffic/Permits Supervisor 5/28/2020  
 \_\_\_\_\_  
**SIGNATURE TITLE DATE**

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

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Location of Zone Meter	Boyd - US 23	38.389511	-82.605935



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



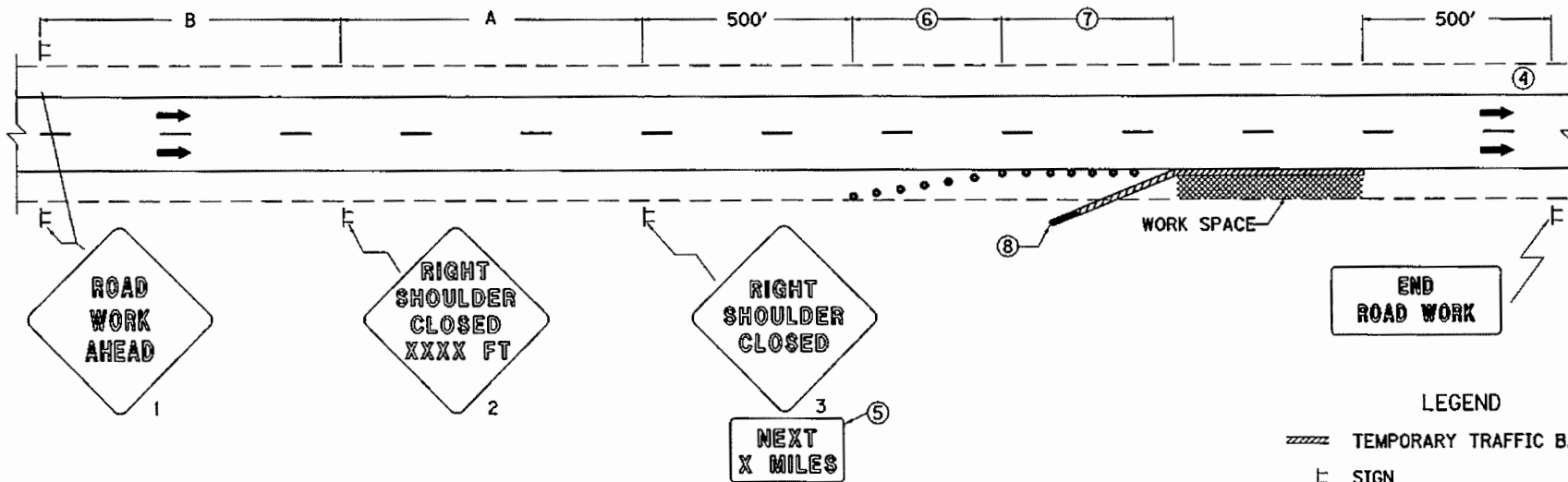
**ENCROACHMENT PERMIT GENERAL NOTES &  
SPECIFICATIONS**

KYTC KEPT # 09-2020-00035

X SAFETY	
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	<b>Before You Dig:</b> The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should be completed during daylight hours. No work should be done during inclement weather events.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X GENERAL	
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant/Contractor should have on hand and available all necessary personal protective equipment/signage essential for the successful completion of the work. if not on hand, no work needs to be done until they are obtained.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grassy covering will have to be established before the permit is released in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	<p>Miscellaneous requirements pertaining to this permit are as follows:</p> <p>As per Alan Bowman of Bell Engineering, there will be no bituminous or shoulder replacement associated with this work. If any questions arise about the approved permit please contact Derrick Logan at 1-606-845-2551 and thank you.</p>
<b><u>NOTICE TO PERMITTEE</u></b>	
<p>THE PERMITTEE AGREES THAT ALL WORK WITHIN THE EXISTING RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH PLANS AS APPROVED AND PERMITTED BY AN ENCROACHMENT PERMIT. THE PERMITTEE SHALL MEET ALL DEPARTMENT POLICIES, STANDARD DRAWINGS, AND STANDARD SPECIFICATIONS. ANY CHANGES OR VARIANCES MADE AT THE TIME OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF HIGHWAYS SHALL BE REMOVED BY THE PERMITTEE AT NO EXPENSE TO THE DEPARTMENT OF HIGHWAYS AND SHALL BE REDONE BY THE PERMITTEE TO CONFORM WITH THE APPROVED PLANS.</p>	



1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

- LEGEND
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES
    - CONES
    - DRUMS
    - TUBULAR MARKERS
  - CRASH CUSHION

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/FREEWAY	1000'	1600'	840'
SP. LT. $\geq$ 45 MPH*	500'	500'	680'
SP. LT. $\leq$ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG. TTD-110

KENTUCKY  
DEPARTMENT OF HIGHWAYS

SHOULDER CLOSURE

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

APPLICATION

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

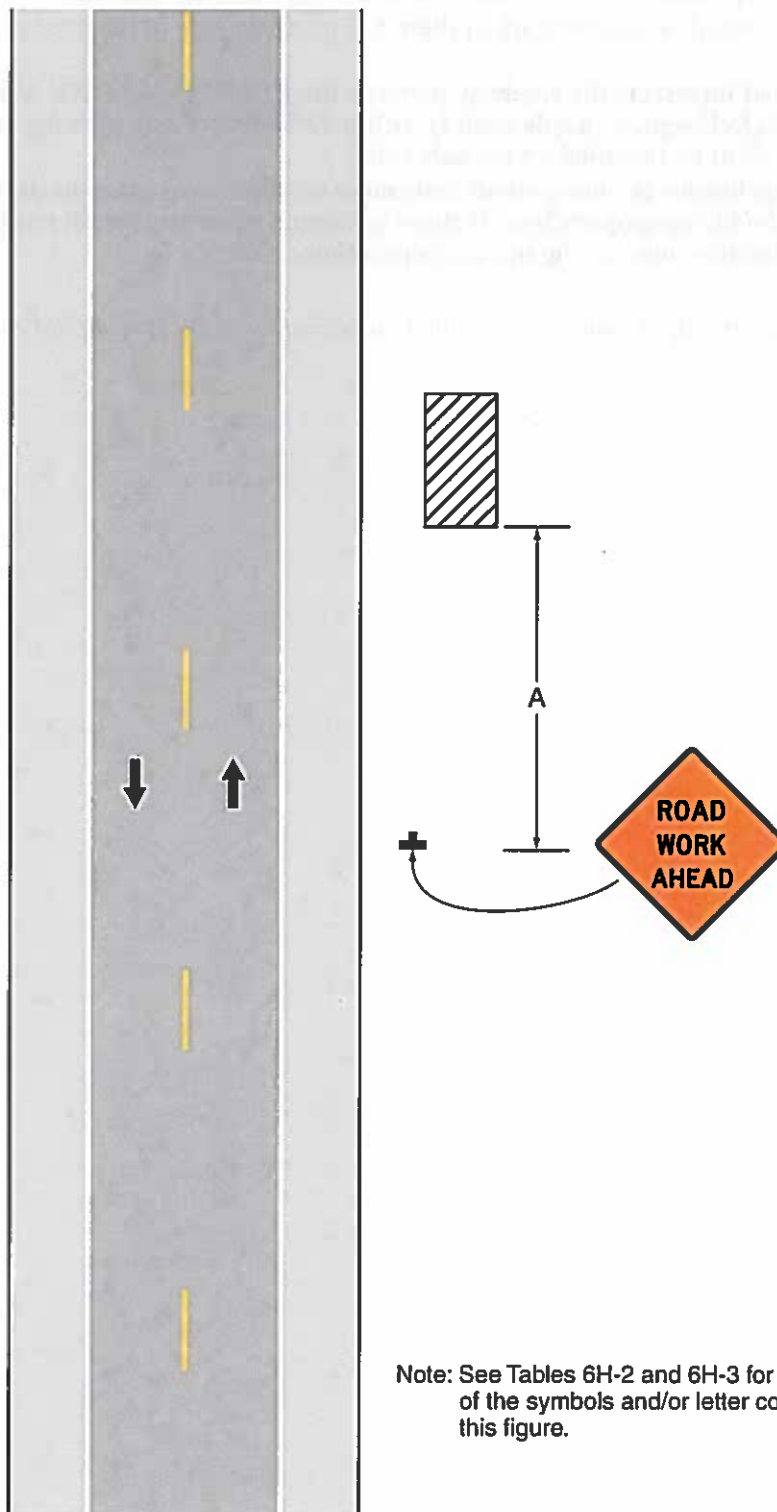
**Option:**

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

---

## PERMITTEE

Name: Cannonsburg Water District  
Contact Person:  
Address: 1606 Cannonsburg Road  
City: Ashland  
State: Kentucky  
Zip: 41102  
Telephone: (859) 278-5412

## PROJECT IDENTIFICATION

Permit Number: 09-2020-00035

---

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

---

Permittee

---

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

Please Return to: Permit Engineer  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Location of Zone Meter	Boyd - US 23	38.389511	-82.605935



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00035

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> US 23	<b>MILE POINT</b> 11.27	<b>LONGITUDE (X)</b> 38.389703
			<b>LATITUDE (Y)</b> -82.606241

**ADDITIONAL LOCATION INFORMATION:**

See attached Tarpin Ridge Area Sheet No. 3 of 3

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00035

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

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<b>COUNTY</b> Boyd	<b>ROUTE #</b> US 23	<b>MILE POINT</b> 11.27	<b>LONGITUDE (X)</b> 38.389703
			<b>LATITUDE (Y)</b> -82.606241

**ADDITIONAL LOCATION INFORMATION:**

See attached Tarpin Ridge Area Sheet No. 3 of 3

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

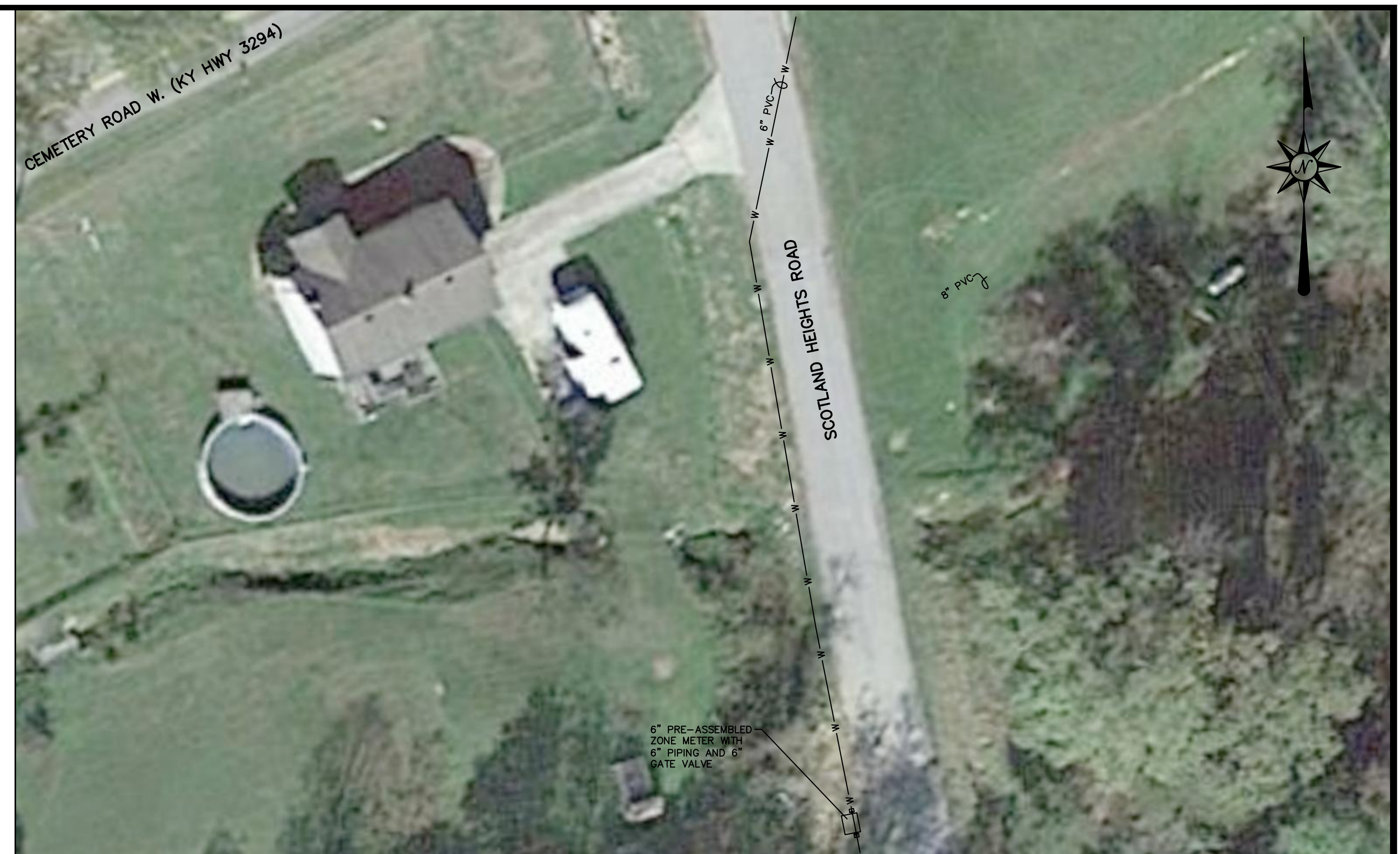
SIGNATURE

DATE

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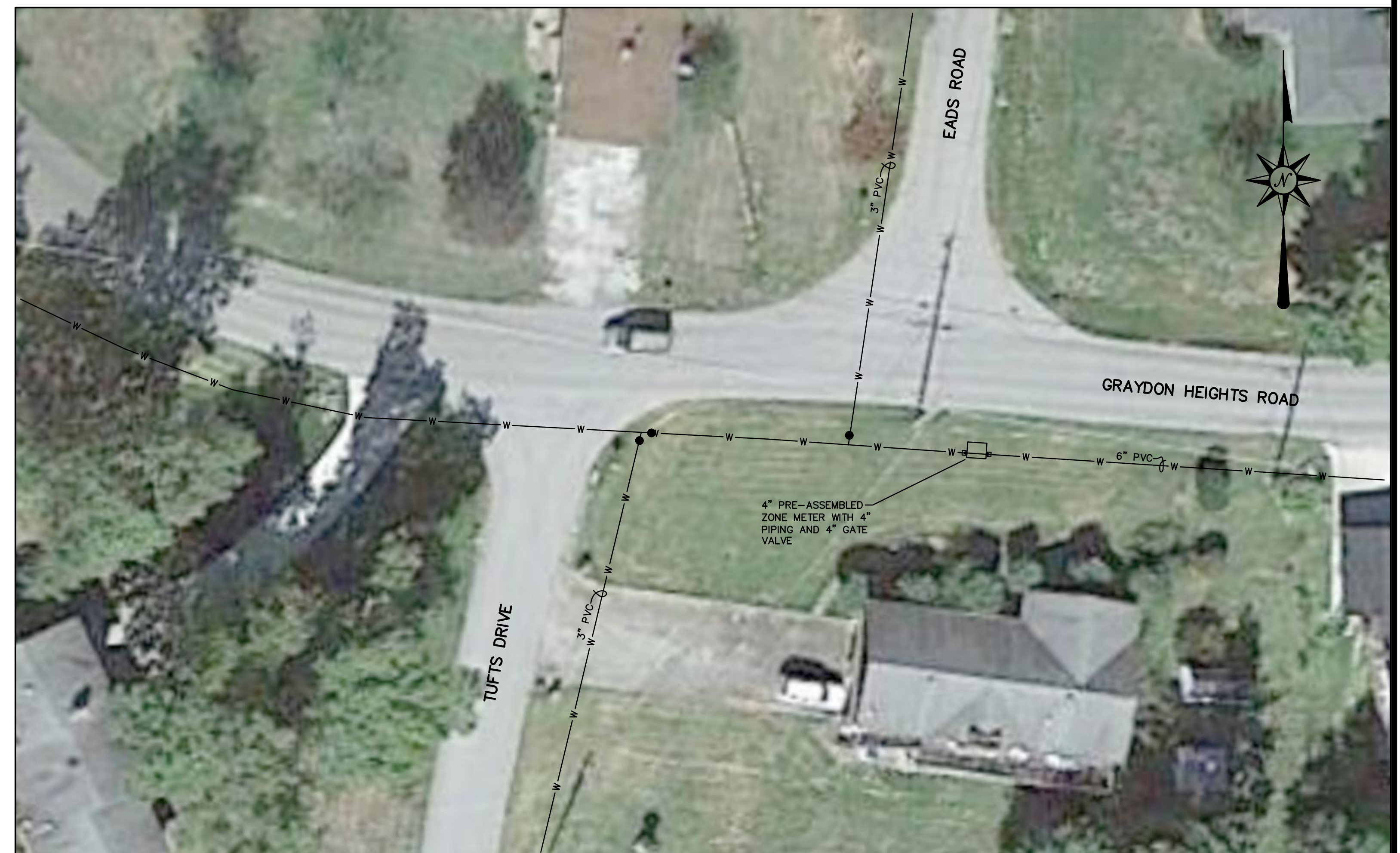
CANNONSBURG ROAD (KY HWY 3294) AT MARSH HILL DRIVE



CEMETERY ROAD E. & W. (KY HWY 3294) AT SCOTLAND HEIGHTS ROAD

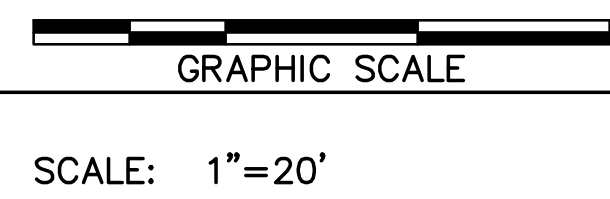


ENGLAND HILL

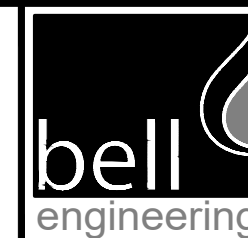


GRAYDON HEIGHTS ROAD AT EADS ROAD AT TUFTS DRIVE

DESIGNER	RAB	DATE	BY	REVISION
DRAWN	DRH			
CHECKED	KGG			
APPROVED	RAB			



ALL RIGHTS RESERVED  
THIS DOCUMENT IS THE PROPERTY OF BELL ENGINEERING AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT THE WRITTEN PERMISSION OF BELL ENGINEERING.



Lexington, KY (859) 278-5412  
Hopkinsville, KY (270) 886-5466  
Asheville, NC (828) 774-5499

PHASE 1 – ZONE METERING PROJECT  
CANNONSBURG WATER DISTRICT  
CANNONSBURG, KENTUCKY

TARPIN RIDGE AREA

DIVISION	F
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	3 OF 3



Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



P: 859-278-5412 | C: 859-319-6784 | F: 859-278-2911

[abowman@hkbell.com](mailto:abowman@hkbell.com) | [www.hkbell.com](http://www.hkbell.com)

2480 Fortune Drive, Suite 350  
Lexington, KY 40509





**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

May 29, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00036  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 09-2020-00036  
 \_\_\_\_\_  
**Permittee:** Cannonsburg Water District  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Water  
 \_\_\_\_\_  
**Work Completion Date:** 9/25/2020  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$2,000.00	999049423
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

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

Vickie Griggs D9 Traffic/Permits Supervisor 5/28/2020  
 \_\_\_\_\_  
**SIGNATURE TITLE DATE**

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

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Installation Location of Proposed Meter	Boyd - KY 503	38.433028	-82.768803



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



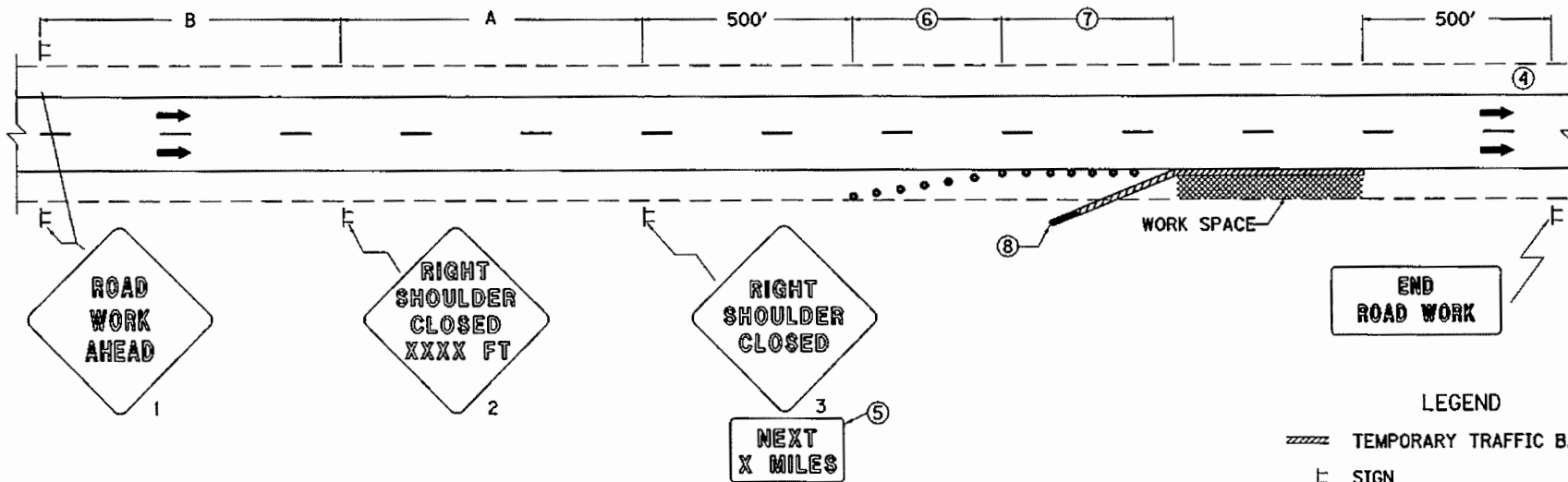
## ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

KYTC KEPT # 09-2020-00036

X	<b>SAFETY</b>
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	<b>Before You Dig:</b> The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should be completed during daylight hours. No work should be done during inclement weather conditions.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X	<b>GENERAL</b>
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant/Contractor should have on hand all personal protective equipment/signage necessary for the successful completion of the work. If not readily available then no work should take place until they are obtained.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grassy covering will have to be established before the permit will be released in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	<p>Miscellaneous requirements pertaining to this permit are as follows:</p> <p>As per Alan Bowman of Bell Engineering, there will be no bituminous or shoulder replacement associated with this work. If you have any questions concerning the approved permit please call Derrick Logan at 1-606-845-2551 and thank you.</p>
<b><u>NOTICE TO PERMITTEE</u></b>	
<p>THE PERMITTEE AGREES THAT ALL WORK WITHIN THE EXISTING RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH PLANS AS APPROVED AND PERMITTED BY AN ENCROACHMENT PERMIT. THE PERMITTEE SHALL MEET ALL DEPARTMENT POLICIES, STANDARD DRAWINGS, AND STANDARD SPECIFICATIONS. ANY CHANGES OR VARIANCES MADE AT THE TIME OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF HIGHWAYS SHALL BE REMOVED BY THE PERMITTEE AT NO EXPENSE TO THE DEPARTMENT OF HIGHWAYS AND SHALL BE REDONE BY THE PERMITTEE TO CONFORM WITH THE APPROVED PLANS.</p>	



- LEGEND**
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES
    - CONES
    - DRUMS
    - TUBULAR MARKERS
  - CRASH CUSHION

1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/FREEWAY	1000'	1600'	840'
SP. LT. ≥ 45 MPH*	500'	500'	680'
SP. LT. ≤ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG. TTD-110

KENTUCKY  
DEPARTMENT OF HIGHWAYS

**SHOULDER CLOSURE**

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

**APPLICATION**

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

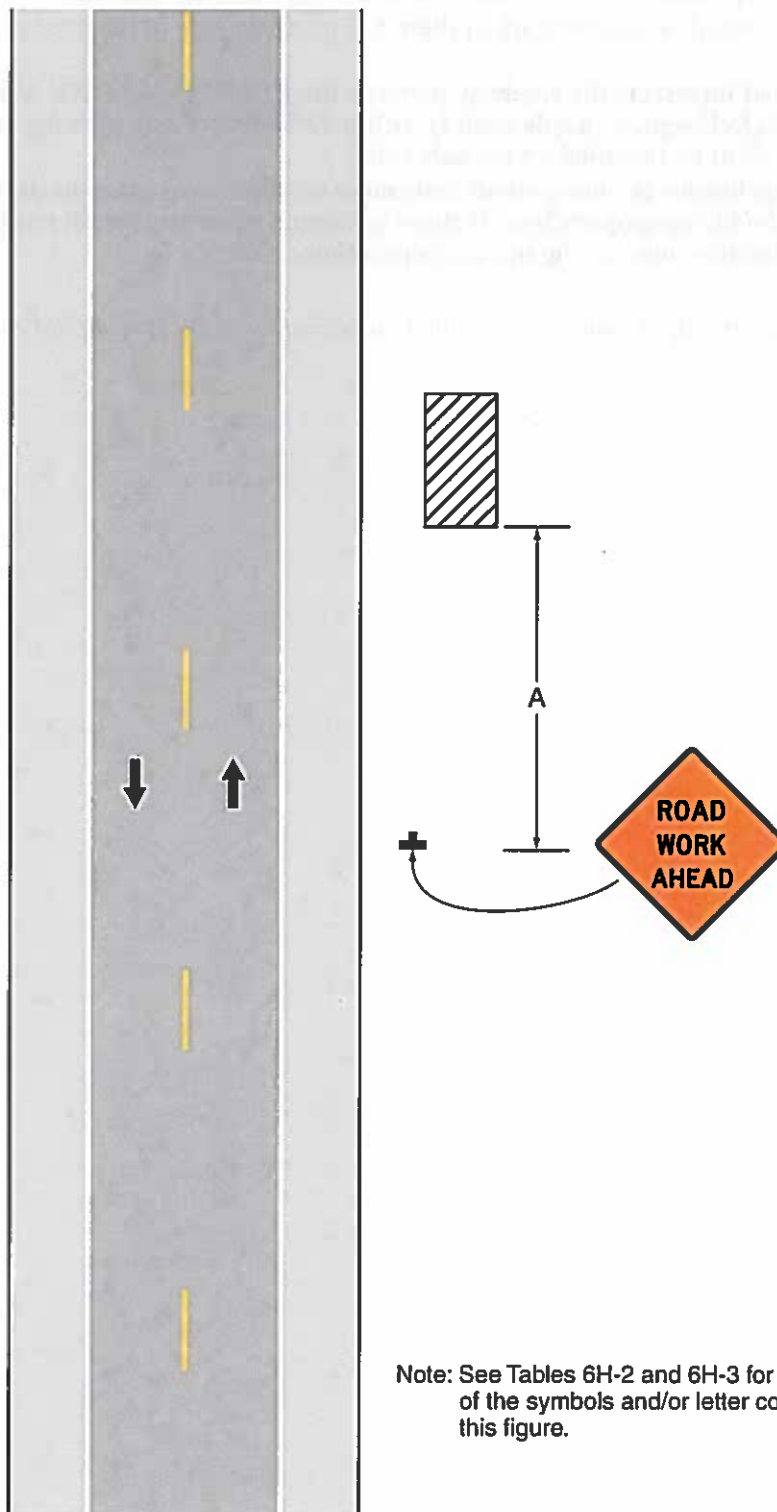
**Option:**

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

---

## PERMITTEE

Name: Cannonsburg Water District  
Contact Person:  
Address: 1606 Cannonsburg Road  
City: Ashland  
State: Kentucky  
Zip: 41102  
Telephone: (859) 278-5412

## PROJECT IDENTIFICATION

Permit Number: 09-2020-00036

---

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

---

Permittee

---

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

Please Return to: Permit Engineer  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Installation Location of Proposed Meter	Boyd - KY 503	38.433028	-82.768803



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00036

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> KY 503	<b>MILE POINT</b> 0.95	<b>LONGITUDE (X)</b> 38.433251
			<b>LATITUDE (Y)</b> -82.768775

**ADDITIONAL LOCATION INFORMATION:**  
 See attached East Park Area sheet no 4 of 5

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

SIGNATURE

2/25/2020

DATE

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00036

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> KY 503	<b>MILE POINT</b> 0.95	<b>LONGITUDE (X)</b> 38.433251
			<b>LATITUDE (Y)</b> -82.768775

**ADDITIONAL LOCATION INFORMATION:**

See attached East Park Area sheet no 4 of 5

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

SIGNATURE

2/25/2020

DATE

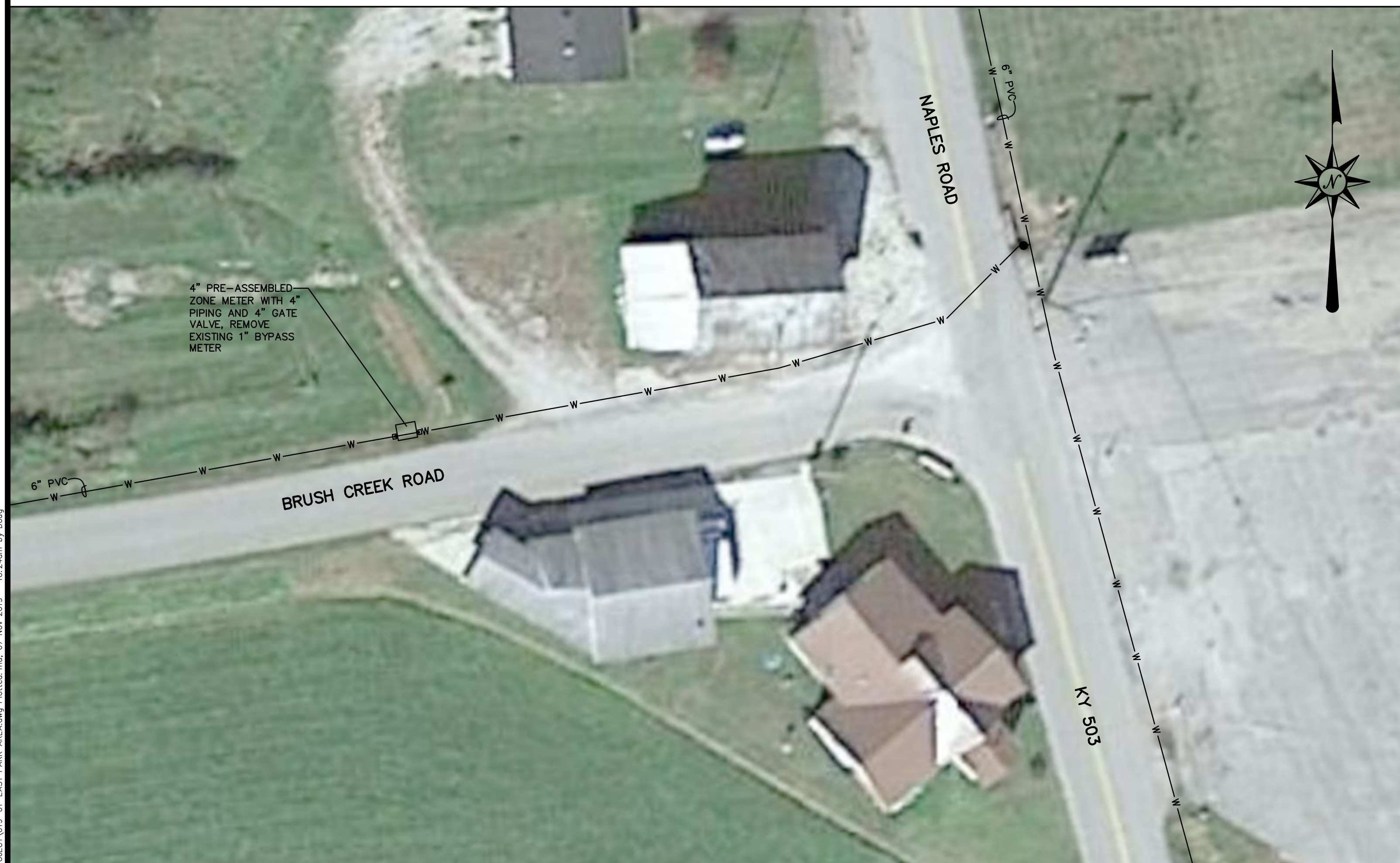
This is not a permit unless and until the applicant(s) receives an approved TC 99-1B from KYTC. This application shall become void if not approved by the cancellation date. The cancellation date shall be a minimum of one year from the date the applicant submits their application.



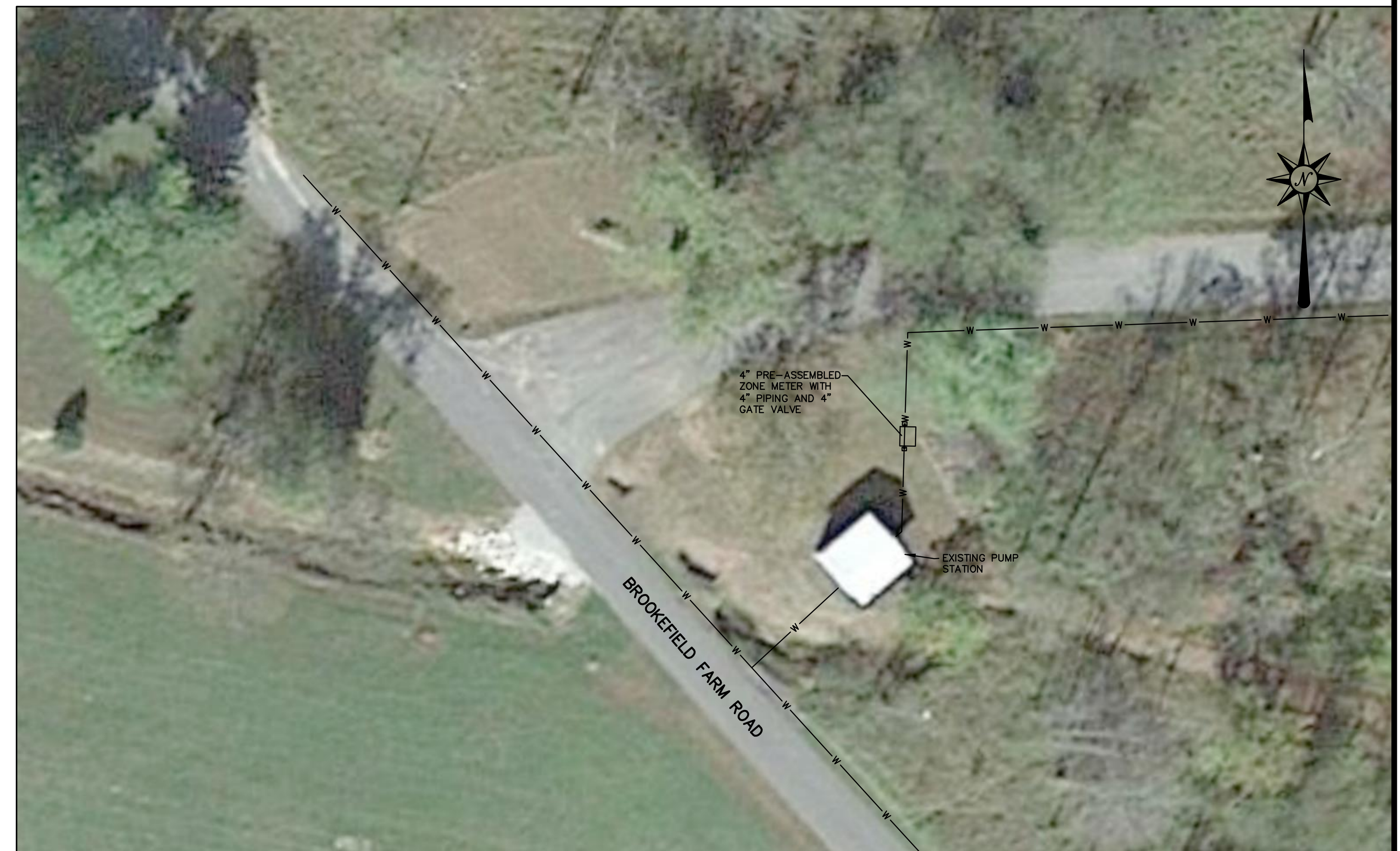
NAPLES ROAD (KY 503) AT DANIELS FORK ROAD



NAPLES ROAD (KY 503)

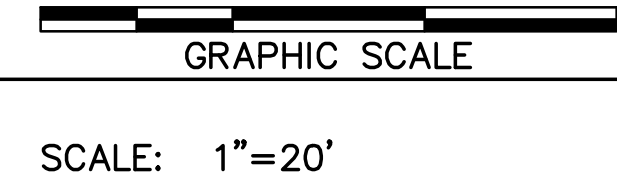


NAPLES ROAD (KY 503) AT BRUSH CREEK ROAD

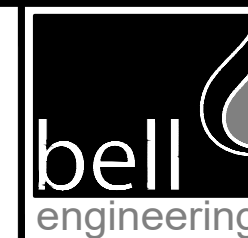


BROOKFIELD FARM ROAD

DESIGNER	RAB	DATE	BY	REVISION
DRAWN	DRH			
CHECKED	KGG			
APPROVED	RAB			



ALL RIGHTS RESERVED  
THIS DOCUMENT IS THE PROPERTY OF BELL ENGINEERING AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT THE WRITTEN PERMISSION OF BELL ENGINEERING.



Lexington, KY (859) 278-5412  
Hopkinsville, KY (270) 886-5466  
Asheville, NC (828) 774-5499

PHASE - 1 ZONE METERING PROJECT  
CANNONBURG WATER DISTRICT  
CANNONBURG, KENTUCKY

EAST PARK AREA

DIVISION	A
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	4 OF 5



Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



P: 859-278-5412 | C: 859-319-6784 | F: 859-278-2911

[abowman@hkbell.com](mailto:abowman@hkbell.com) | [www.hkbell.com](http://www.hkbell.com)

2480 Fortune Drive, Suite 350  
Lexington, KY 40509





**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

May 29, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00037  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 09-2020-00037  
 \_\_\_\_\_  
**Permittee:** Cannonsburg Water District  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Water  
 \_\_\_\_\_  
**Work Completion Date:** 9/25/2020  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$2,000.00	999049423
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

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

Vickie Griggs	D9 Traffic/Permits Supervisor	5/29/2020
<b>SIGNATURE</b>	<b>TITLE</b>	<b>DATE</b>

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

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Location of Water Meter	Greenup - KY 503	38.452991	-82.776270



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



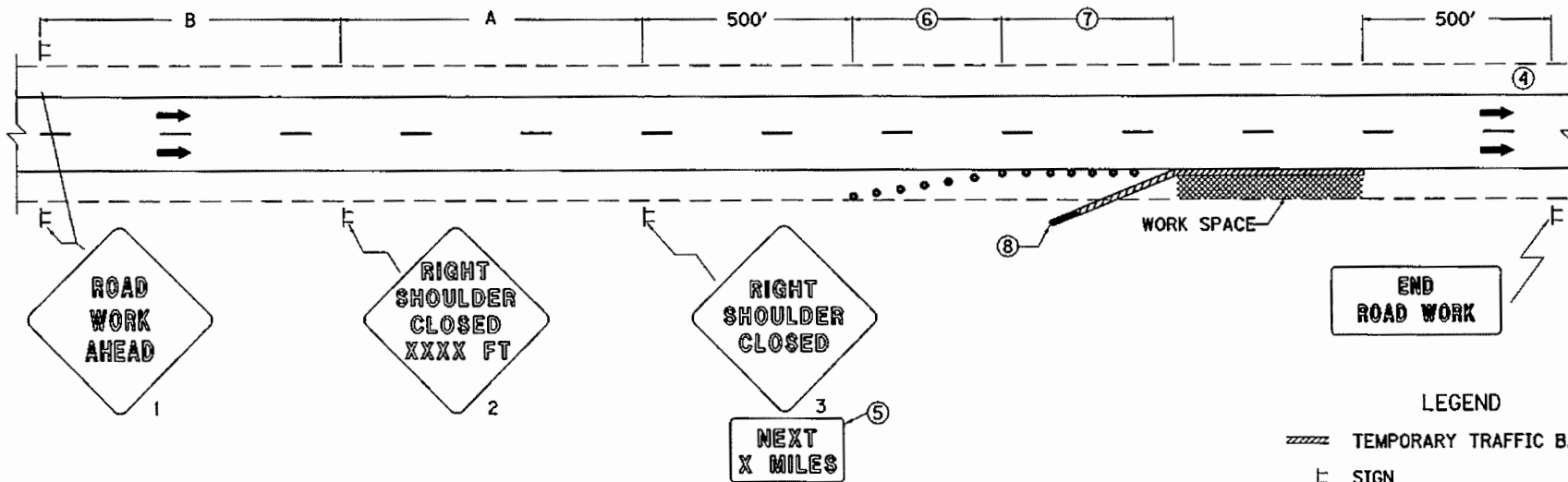
## ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

KYTC KEPT # 09-2020-00037

X SAFETY	
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	<b>Before You Dig:</b> The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should be completed during daylight hours. No work should take place during inclement weather conditions.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X GENERAL	
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant/Contractor should have on hand and available all personal protective equipment/signage necessary for the successful completion of the work. If not available, then no work should take place until those items are obtained.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grass covering will need to be established before the permit can be released in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	<p>Miscellaneous requirements pertaining to this permit are as follows:</p> <p>As per Alan Bowman of Bell Engineering, there will be no bituminous or shoulder replacement associated with this work. If any questions arise about the approved permit please call Derrick Logan at 1-606-845-2551 and thank you.</p>
<b><u>NOTICE TO PERMITTEE</u></b>	
<p>THE PERMITTEE AGREES THAT ALL WORK WITHIN THE EXISTING RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH PLANS AS APPROVED AND PERMITTED BY AN ENCROACHMENT PERMIT. THE PERMITTEE SHALL MEET ALL DEPARTMENT POLICIES, STANDARD DRAWINGS, AND STANDARD SPECIFICATIONS. ANY CHANGES OR VARIANCES MADE AT THE TIME OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF HIGHWAYS SHALL BE REMOVED BY THE PERMITTEE AT NO EXPENSE TO THE DEPARTMENT OF HIGHWAYS AND SHALL BE REDONE BY THE PERMITTEE TO CONFORM WITH THE APPROVED PLANS.</p>	



1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

- LEGEND
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES  
CONES  
DRUMS  
TUBULAR MARKERS
  - CRASH CUSHION

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG.  
TTD-110

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/ FREEWAY	1000'	1600'	840'
SP. LT. ≥ 45 MPH*	500'	500'	680'
SP. LT. ≤ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

KENTUCKY  
DEPARTMENT OF HIGHWAYS

SHOULDER CLOSURE

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

APPLICATION

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

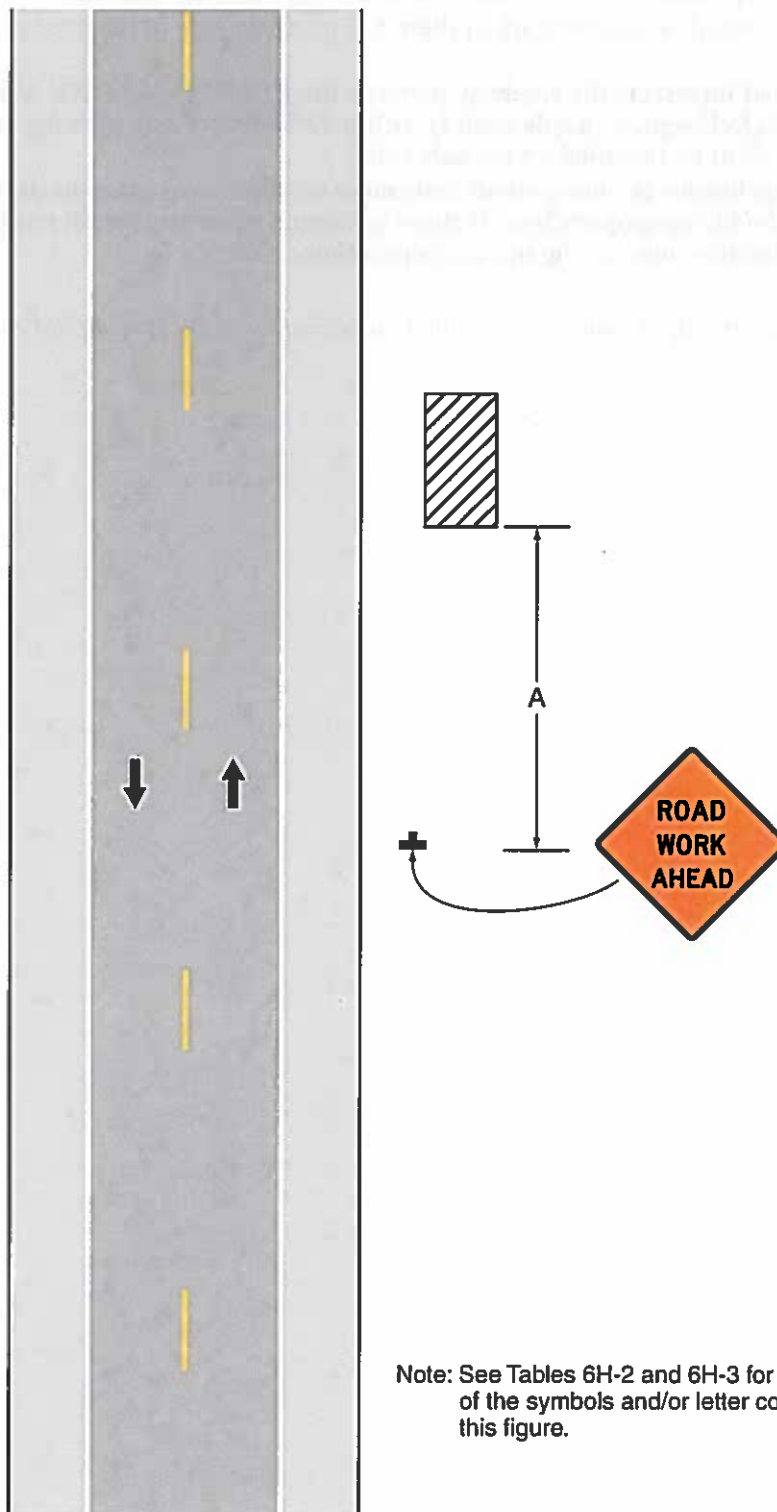
**Option:**

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

---

## PERMITTEE

Name: Cannonsburg Water District  
Contact Person:  
Address: 1606 Cannonsburg Road  
City: Ashland  
State: Kentucky  
Zip: 41102  
Telephone: (859) 278-5412

## PROJECT IDENTIFICATION

Permit Number: 09-2020-00037

---

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

---

Permittee

---

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

Please Return to: Permit Engineer  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Location of Water Meter	Greenup - KY 503	38.452991	-82.776270



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00037

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY	<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808	<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412	<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Greenup	<b>ROUTE #</b> KY 503	<b>MILE POINT</b> 1.45	<b>LONGITUDE (X)</b> 38.453040
			<b>LATITUDE (Y)</b> -82.776196

**ADDITIONAL LOCATION INFORMATION:**

See attached East Park Area Sheet No. 5 of 5

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00037

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY	<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808	<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412	<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Greenup	<b>ROUTE #</b> KY 503	<b>MILE POINT</b> 1.45	<b>LONGITUDE (X)</b> 38.453040
			<b>LATITUDE (Y)</b> -82.776196

**ADDITIONAL LOCATION INFORMATION:**

See attached East Park Area Sheet No. 5 of 5

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

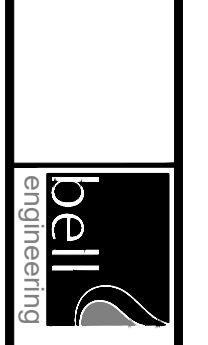
DATE

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

DESIGNER	RAJ	DATE	BY	REVISION
DRAWN	DHL			
CHECKED	MG			
APPROVED	RAJ			

GRAPHIC SCALE	SCALE: AS NOTED
---------------	-----------------

THIS DOCUMENT IS THE PROPERTY OF BELL & HOWELL, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM BELL & HOWELL, INC.

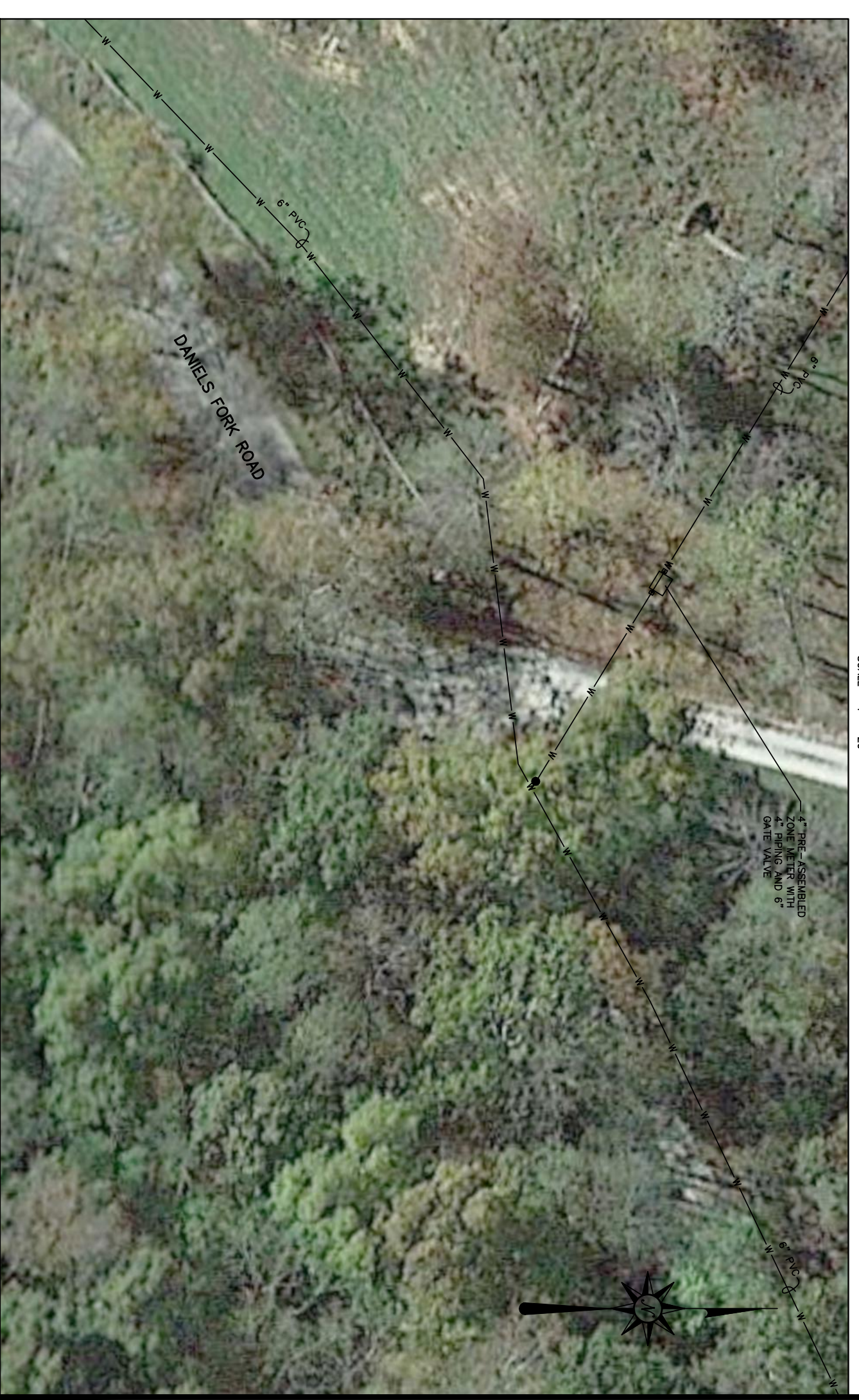


Louisville, KY (858) 278-4143  
 Henderson, KY (270) 892-4488  
 Memphis, TN (901) 526-4488

PHASE - 1 ZONE METERING PROJECT  
 CANNONSBURG WATER DISTRICT  
 CANNONSBURG, KENTUCKY

EAST PARK AREA

DIVISION	A
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	5 OF 5





Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



P: 859-278-5412 | C: 859-319-6784 | F: 859-278-2911

[abowman@hkbell.com](mailto:abowman@hkbell.com) | [www.hkbell.com](http://www.hkbell.com)

2480 Fortune Drive, Suite 350  
Lexington, KY 40509





**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

May 29, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00038  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



Kentucky Transportation Cabinet  
 Department of Highways  
 Division of Maintenance  
 Permits Branch

**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 09-2020-00038  
 \_\_\_\_\_  
**Permittee:** Cannonsburg Water District  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Water  
 \_\_\_\_\_  
**Work Completion Date:** 9/24/2020  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$2,000.00	999049423
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

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

Vickie Griggs D9 Traffic/Permits Supervisor 5/29/2020  
 \_\_\_\_\_  
**SIGNATURE TITLE DATE**

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

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Location of Meter Placement	Greenup - KY 67	38.462400	-82.791646



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



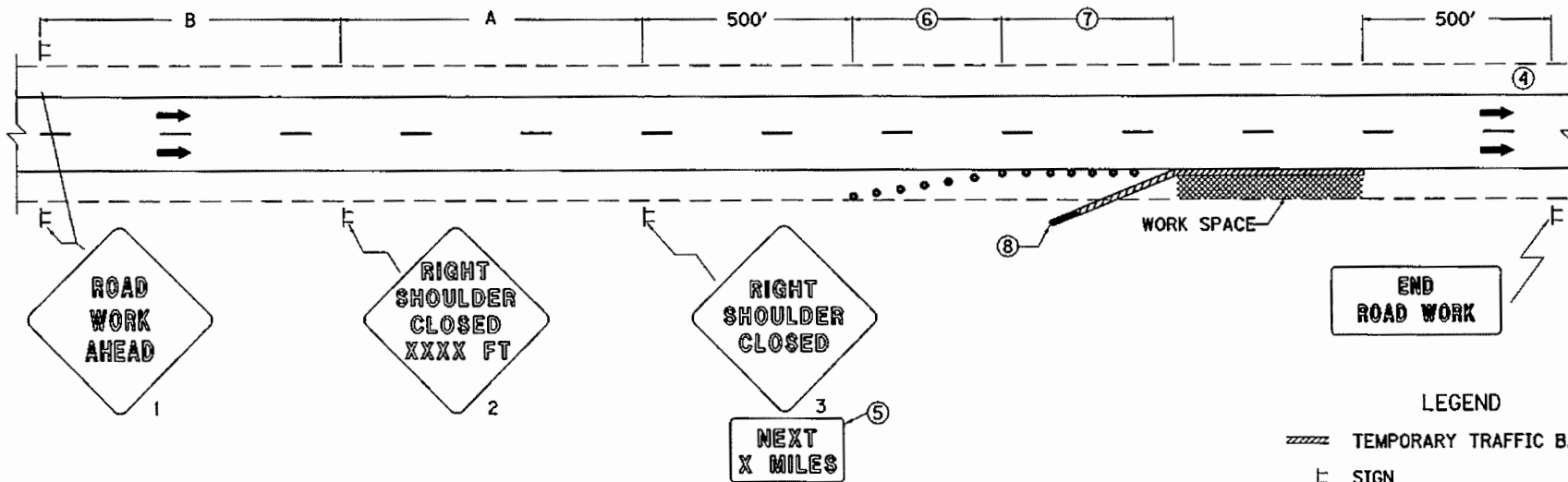
## ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

KYTC KEPT # 09-2020-00038

X	<b>SAFETY</b>
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	<b>Before You Dig:</b> The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should be completed during daylight hours. No work should be done during inclement weather activities.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X	<b>GENERAL</b>
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant/Contractor should have on hand and available all personal protective equipment/signage needed to successfully complete the work. If not available, no work should begin until those items are acquired.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grass covering will need to be established before the permit is released in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	<p>Miscellaneous requirements pertaining to this permit are as follows:</p> <p>As per Alan Bowman of Bell Engineering, there will be no bituminous or shoulder replacement associated with this work. If any questions arise about the approved permit, please call Derrick Logan at 1-606-845-2551 and thank you.</p>
<b><u>NOTICE TO PERMITTEE</u></b>	
<p>THE PERMITTEE AGREES THAT ALL WORK WITHIN THE EXISTING RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH PLANS AS APPROVED AND PERMITTED BY AN ENCROACHMENT PERMIT. THE PERMITTEE SHALL MEET ALL DEPARTMENT POLICIES, STANDARD DRAWINGS, AND STANDARD SPECIFICATIONS. ANY CHANGES OR VARIANCES MADE AT THE TIME OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF HIGHWAYS SHALL BE REMOVED BY THE PERMITTEE AT NO EXPENSE TO THE DEPARTMENT OF HIGHWAYS AND SHALL BE REDONE BY THE PERMITTEE TO CONFORM WITH THE APPROVED PLANS.</p>	



1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

- LEGEND
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES
    - CONES
    - DRUMS
    - TYPE II BARRICADES
    - TUBULAR MARKERS
  - CRASH CUSHION

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG.  
TTD-110

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/ FREEWAY	1000'	1600'	840'
SP. LT. $\geq$ 45 MPH*	500'	500'	680'
SP. LT. $\leq$ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

KENTUCKY  
DEPARTMENT OF HIGHWAYS

SHOULDER CLOSURE

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

APPLICATION

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

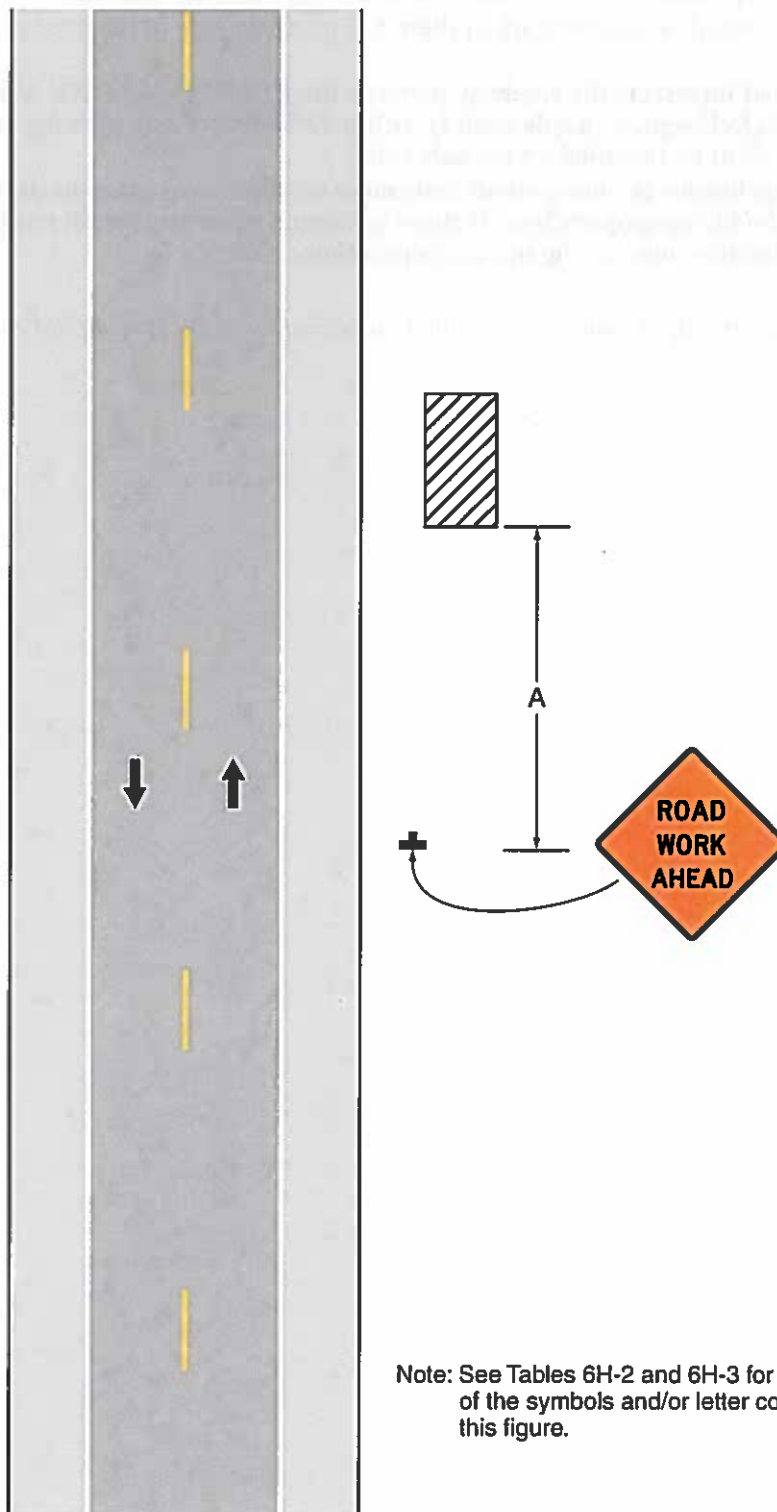
**Option:**

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

---

## PERMITTEE

Name: Cannonsburg Water District  
Contact Person:  
Address: 1606 Cannonsburg Road  
City: Ashland  
State: Kentucky  
Zip: 41102  
Telephone: (606) 928-9808

## PROJECT IDENTIFICATION

Permit Number: 09-2020-00038

---

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

---

Permittee

---

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

Please Return to: Permit Engineer  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Location of Meter Placement	Greenup - KY 67	38.462400	-82.791646



KENTUCKY TRANSPORTATION CABINET  
 Department of Highways  
 PERMITS BRANCH

TC 99-1A  
 Rev. 09/2019  
 Page 1 of 4

**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00038

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY	<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b>	606.928.9808
		<b>CELL #</b>	606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b>	859.278.5412
		<b>CELL #</b>	

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Greenup	<b>ROUTE #</b> KY 67	<b>MILE POINT</b> 6.15	<b>LONGITUDE (X)</b> 38.462224
			<b>LATITUDE (Y)</b> -82.790503

**ADDITIONAL LOCATION INFORMATION:**

See attached East Park Area plan Sheet No. 5 of 5

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00038

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Greenup	<b>ROUTE #</b> KY 67	<b>MILE POINT</b> 6.15	<b>LONGITUDE (X)</b> 38.462224
			<b>LATITUDE (Y)</b> -82.790503

**ADDITIONAL LOCATION INFORMATION:**

See attached East Park Area plan Sheet No. 5 of 5

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

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

DESIGNER	RAB	DATE	BY	REVISION
DRAWN	DRH			
CHECKED	KGS			
APPROVED	RAB			

GRAPHIC SCALE  
SCALE: AS NOTED

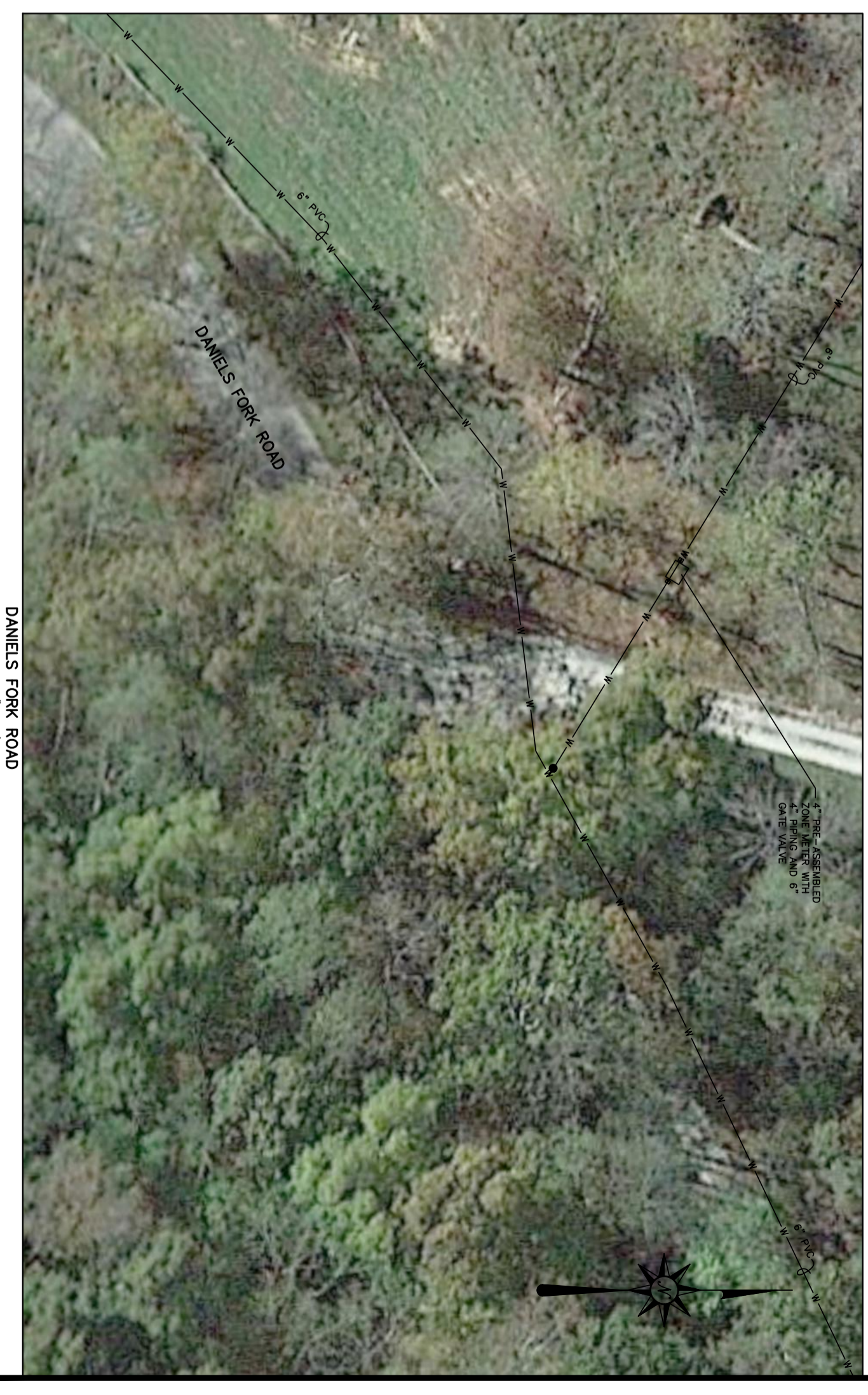
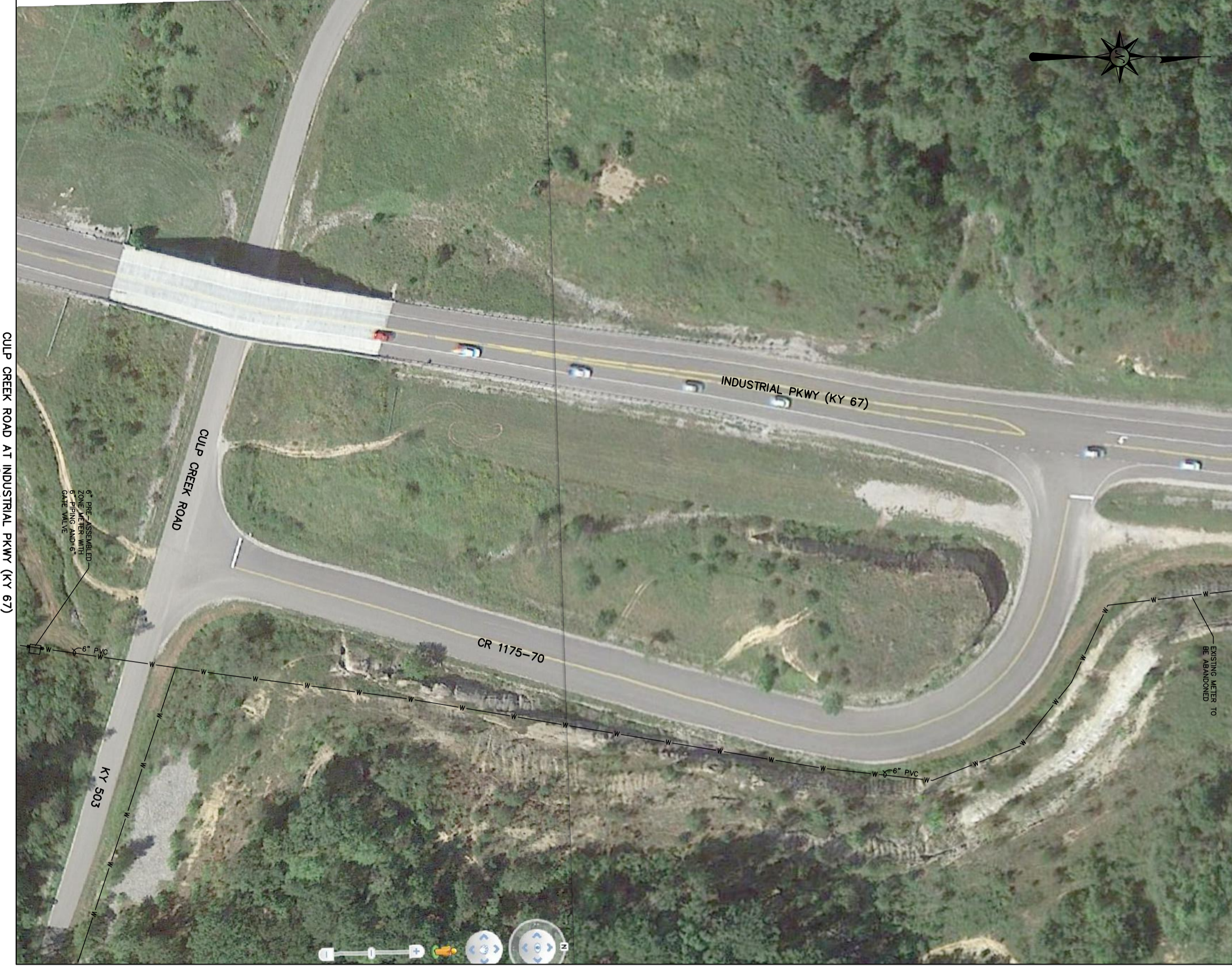
ALL RIGHTS RESERVED  
THIS DOCUMENT IS THE PROPERTY OF BELL ENGINEERING AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF BELL ENGINEERING.



Lexington, KY (609) 278-5412  
Hopkinsville, KY (270) 886-5466  
Asheville, NC (828) 774-5499

PHASE - 1 ZONE METERING PROJECT  
CANNONSBURG WATER DISTRICT  
CANNONSBURG, KENTUCKY

DIVISION	A
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	5 OF 5





Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



**Alan Bowman, PE**  
*Project Engineer*

P: 859-278-5412 | C: 859-319-6784 | F: 859-278-2911

[abowman@hkbell.com](mailto:abowman@hkbell.com) | [www.hkbell.com](http://www.hkbell.com)

2480 Fortune Drive, Suite 350  
Lexington, KY 40509





**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

June 9, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00039  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



Kentucky Transportation Cabinet  
 Department of Highways  
 Division of Maintenance  
 Permits Branch

**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 09-2020-00039  
 \_\_\_\_\_  
**Permittee:** Cannonsburg Water District  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Water  
 \_\_\_\_\_  
**Work Completion Date:** 11/5/2020  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$2,000.00	999049423
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

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

Vickie Griggs D9 Traffic/Permits Supervisor 6/3/2020  
 \_\_\_\_\_  
**SIGNATURE TITLE DATE**

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

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Meter Installation Location	Boyd - KY 180	38.373333	-82.705871



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



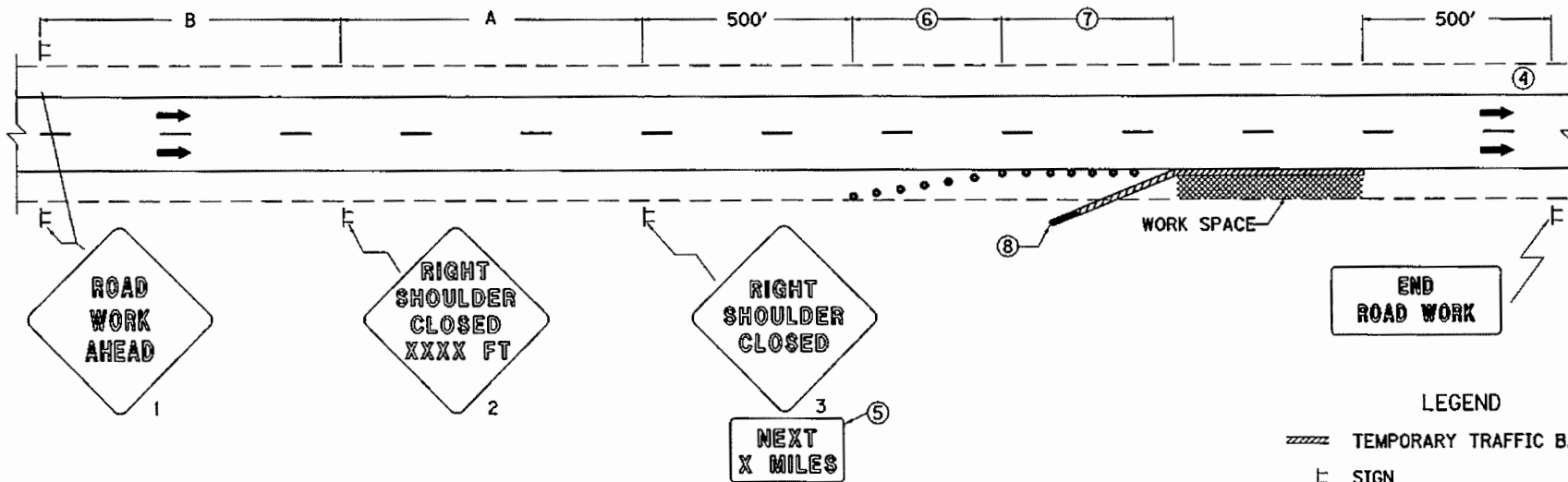
## ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

KYTC KEPT # 09-2020-00039

X	<b>SAFETY</b>
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	<b>Before You Dig:</b> The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should be completed during daylight hours. No work should take place during inclement weather events.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X	<b>GENERAL</b>
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant should have available all personal protective equipment/signage needed for the successful completion of the work. If not available then no work should take place until those items have been attained.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grass covering will be required to be established before the permit can be released in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	Miscellaneous requirements pertaining to this permit are as follows:  If any questions arise please contact Derrick Logan at 1-606-845-2551 and thank you.
<b><u>NOTICE TO PERMITTEE</u></b>	
THE PERMITTEE AGREES THAT ALL WORK WITHIN THE EXISTING RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH PLANS AS APPROVED AND PERMITTED BY AN ENCROACHMENT PERMIT. THE PERMITTEE SHALL MEET ALL DEPARTMENT POLICIES, STANDARD DRAWINGS, AND STANDARD SPECIFICATIONS. ANY CHANGES OR VARIANCES MADE AT THE TIME OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF HIGHWAYS SHALL BE REMOVED BY THE PERMITTEE AT NO EXPENSE TO THE DEPARTMENT OF HIGHWAYS AND SHALL BE REDONE BY THE PERMITTEE TO CONFORM WITH THE APPROVED PLANS.	



1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

- LEGEND
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES
    - CONES
    - DRUMS
    - TYPE II BARRICADES
    - TUBULAR MARKERS
  - CRASH CUSHION

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG.  
TTD-110

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/FREEWAY	1000'	1600'	840'
SP. LT. ≥ 45 MPH*	500'	500'	680'
SP. LT. ≤ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

KENTUCKY  
DEPARTMENT OF HIGHWAYS

SHOULDER CLOSURE

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

APPLICATION

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

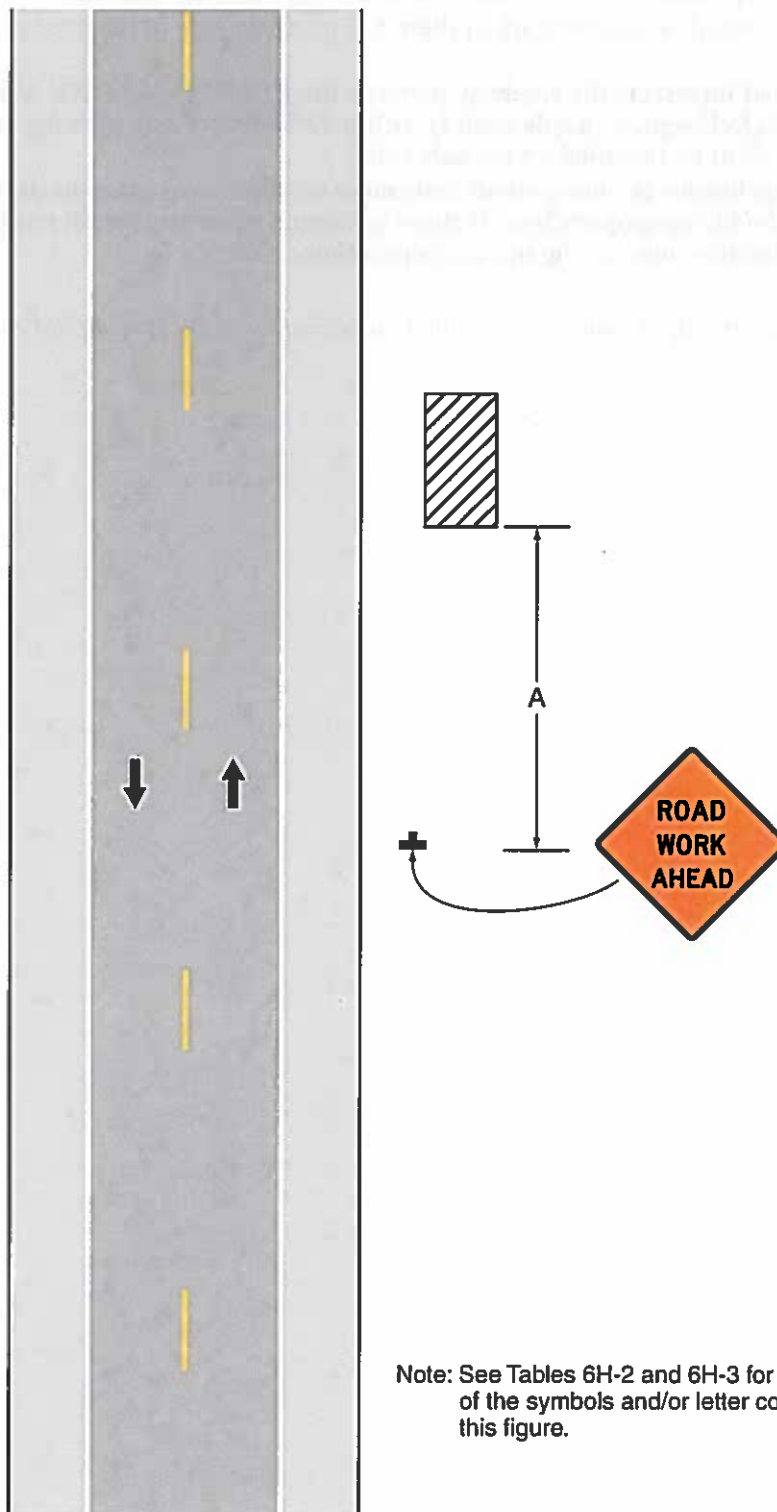
**Option:**

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

---

## PERMITTEE

Name: Cannonsburg Water District  
Contact Person:  
Address: 1606 Cannonsburg Road  
City: Ashland  
State: Kentucky  
Zip: 41102  
Telephone: (606) 928-9808

## PROJECT IDENTIFICATION

Permit Number: 09-2020-00039

---

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

---

Permittee

---

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

Please Return to: Permit Engineer  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Meter Installation Location	Boyd - KY 180	38.373333	-82.705871



KENTUCKY TRANSPORTATION CABINET  
Department of Highways  
PERMITS BRANCH

TC 99-1A  
Rev. 09/2019  
Page 1 of 4

**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00039

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY	<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808	<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412	<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> KY 180	<b>MILE POINT</b> 1.35	<b>LONGITUDE (X)</b> 38.372887
			<b>LATITUDE (Y)</b> -82.706012

**ADDITIONAL LOCATION INFORMATION:**

See attached US 64 South Area Sheet No. 2 of 3

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

SIGNATURE

2/25/2020

DATE

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00039

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY	<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808	<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412	<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> KY 180	<b>MILE POINT</b> 1.35	<b>LONGITUDE (X)</b> 38.372887
			<b>LATITUDE (Y)</b> -82.706012

**ADDITIONAL LOCATION INFORMATION:**

See attached US 64 South Area Sheet No. 2 of 3

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

SIGNATURE

2/25/2020

DATE

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

Plot Style: 000-BELL-STD.ctb

J:\CANNONBURG\ZONE METER PROJECT\19-01-US 64 SOUTH AREA.dwg Plotted Thu, 07 Nov 2019 - 10:45am by Doug

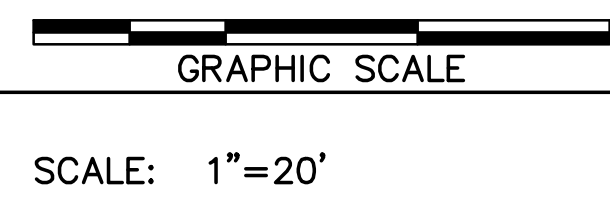


KY HWY 180 AT S. BIG RUN ROAD

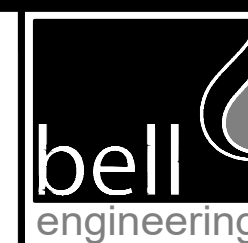


KY HWY 180 AT N. BIG RUN ROAD

DESIGNER	RAB	DATE	BY	REVISION
DRAWN	DRH			
CHECKED	KGG			
APPROVED	RAB			



ALL RIGHTS RESERVED  
 THIS DOCUMENT IS THE PROPERTY OF BELL ENGINEERING AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT THE WRITTEN PERMISSION OF BELL ENGINEERING.



Lexington, KY (859) 278-5412  
 Hopkinsville, KY (270) 886-5466  
 Asheville, NC (828) 774-5499

PHASE 1 – ZONE METERING PROJECT  
 CANNONBURG WATER DISTRICT  
 CANNONBURG, KENTUCKY

US 64 SOUTH AREA

DIVISION	C
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	2 OF 3



Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



P: 859-278-5412 | C: 859-319-6784 | F: 859-278-2911

[abowman@hkbell.com](mailto:abowman@hkbell.com) | [www.hkbell.com](http://www.hkbell.com)

2480 Fortune Drive, Suite 350  
Lexington, KY 40509





**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

June 9, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00040  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 09-2020-00040  
 \_\_\_\_\_  
**Permittee:** Cannonsburg Water District  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Water  
 \_\_\_\_\_  
**Work Completion Date:** 9/30/2020  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$2,000.00	999049423
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

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

Vickie Griggs D9 Traffic/Permits Supervisor 6/3/2020  
 \_\_\_\_\_  
**SIGNATURE TITLE DATE**

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

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Meter Installation Location	Boyd - KY 966	38.371694	-82.761247



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



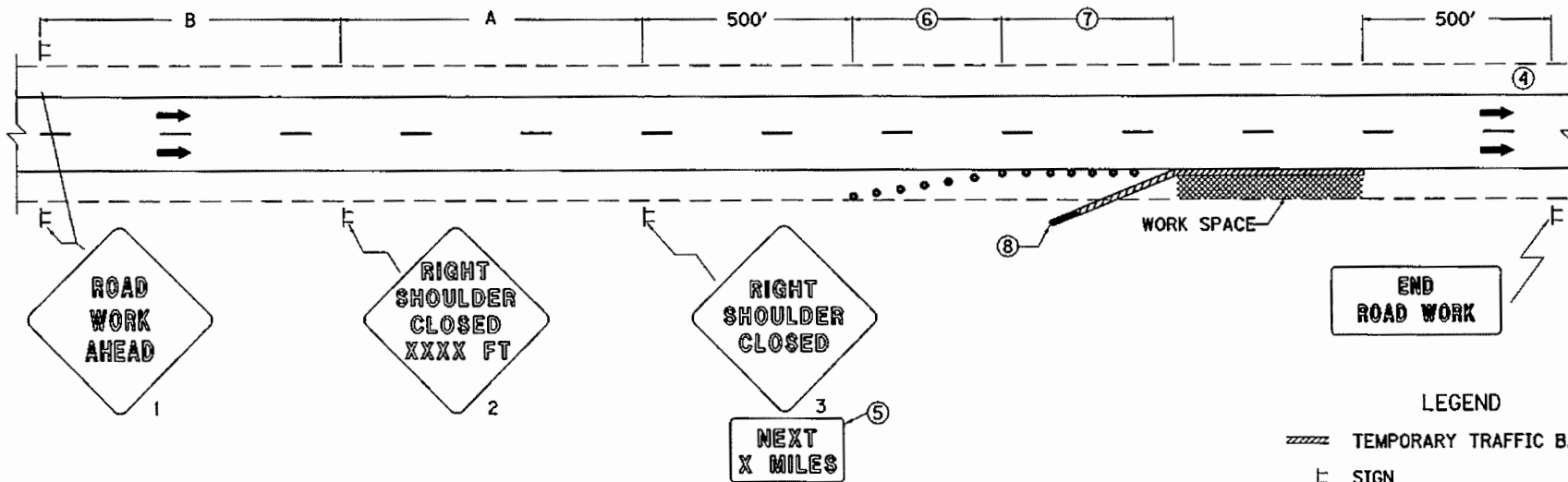
## ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

KYTC KEPT # 09-2020-00040

X	<b>SAFETY</b>
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	<b>Before You Dig:</b> The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should take place during daylight hours. No work should take place during inclement weather events.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X	<b>GENERAL</b>
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 30 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and 30" in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant/Contractor should have on hand all personal protective equipment/signage needed for the successful completion of the work. If not available, no work should take place until those items are attained.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grass covering will need to be established before releasing the permit in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	Miscellaneous requirements pertaining to this permit are as follows:  If any questions arise about the permitted work please contact Derrick Logan at 1-606-845-2551 and thank you.
<b><u>NOTICE TO PERMITTEE</u></b>	
THE PERMITTEE AGREES THAT ALL WORK WITHIN THE EXISTING RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH PLANS AS APPROVED AND PERMITTED BY AN ENCROACHMENT PERMIT. THE PERMITTEE SHALL MEET ALL DEPARTMENT POLICIES, STANDARD DRAWINGS, AND STANDARD SPECIFICATIONS. ANY CHANGES OR VARIANCES MADE AT THE TIME OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF HIGHWAYS SHALL BE REMOVED BY THE PERMITTEE AT NO EXPENSE TO THE DEPARTMENT OF HIGHWAYS AND SHALL BE REDONE BY THE PERMITTEE TO CONFORM WITH THE APPROVED PLANS.	



1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

- LEGEND
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES
    - CONES
    - DRUMS
    - TUBULAR MARKERS
  - CRASH CUSHION

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/FREEWAY	1000'	1600'	840'
SP. LT. ≥ 45 MPH*	500'	500'	680'
SP. LT. ≤ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG. TTD-110

KENTUCKY  
DEPARTMENT OF HIGHWAYS

SHOULDER CLOSURE

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

APPLICATION

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

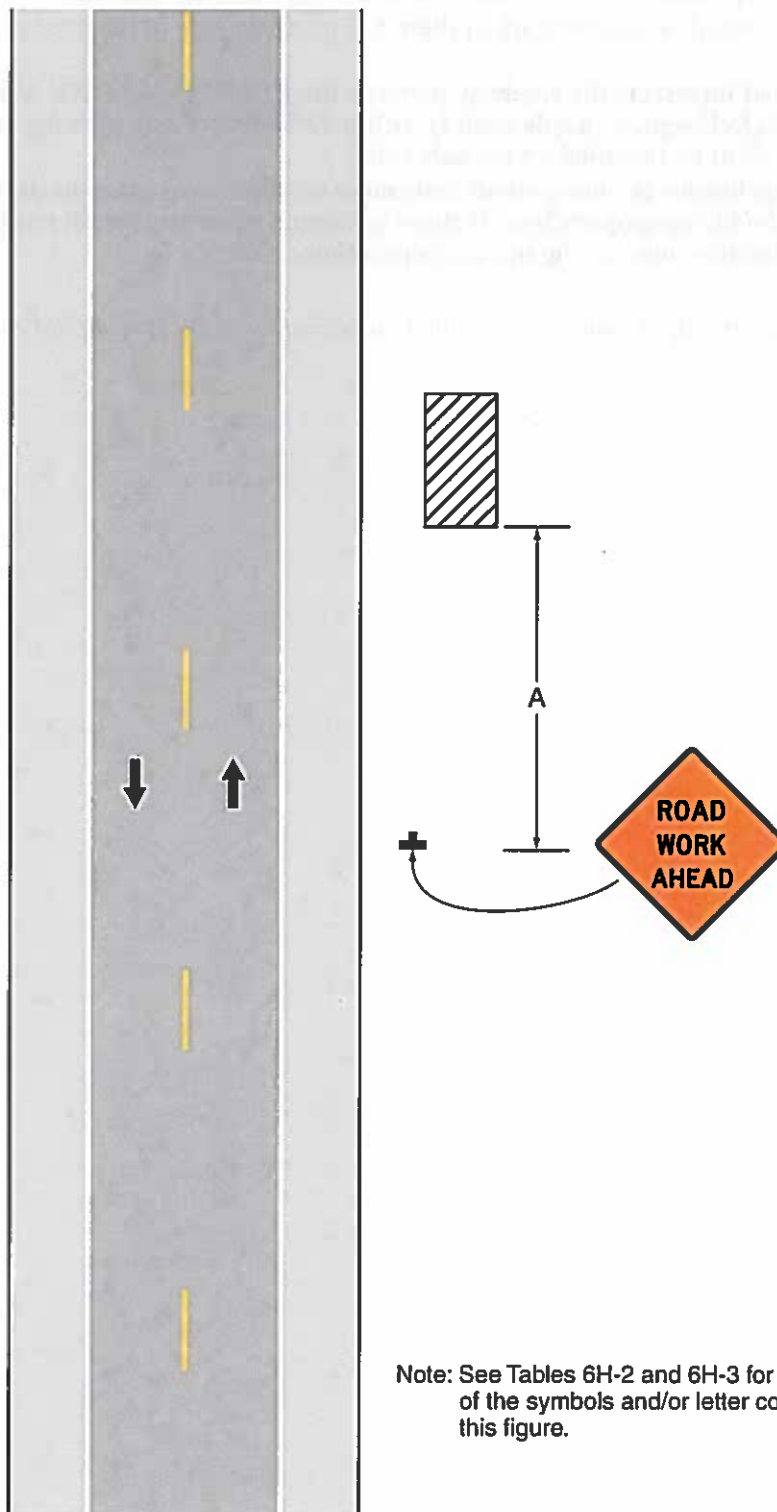
**Option:**

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

---

## PERMITTEE

Name: Cannonsburg Water District  
Contact Person:  
Address: 1606 Cannonsburg Road  
City: Ashland  
State: Kentucky  
Zip: 41102  
Telephone: (606) 928-9808

## PROJECT IDENTIFICATION

Permit Number: 09-2020-00040

---

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

---

Permittee

---

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

Please Return to: Permit Engineer  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Meter Installation Location	Boyd - KY 966	38.371694	-82.761247



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00040

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY	<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b>	606.928.9808
		<b>CELL #</b>	606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b>	859.278.5412
		<b>CELL #</b>	

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> KY 966	<b>MILE POINT</b> 5.11	<b>LONGITUDE (X)</b> 38.371680
			<b>LATITUDE (Y)</b> -82.761335

**ADDITIONAL LOCATION INFORMATION:**  
 See attached Princess Area Sheet No. 3 of 3

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00040

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY	<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808	<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412	<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> KY 966	<b>MILE POINT</b> 5.11	<b>LONGITUDE (X)</b> 38.371680
			<b>LATITUDE (Y)</b> -82.761335

**ADDITIONAL LOCATION INFORMATION:**

See attached Princess Area Sheet No. 3 of 3

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

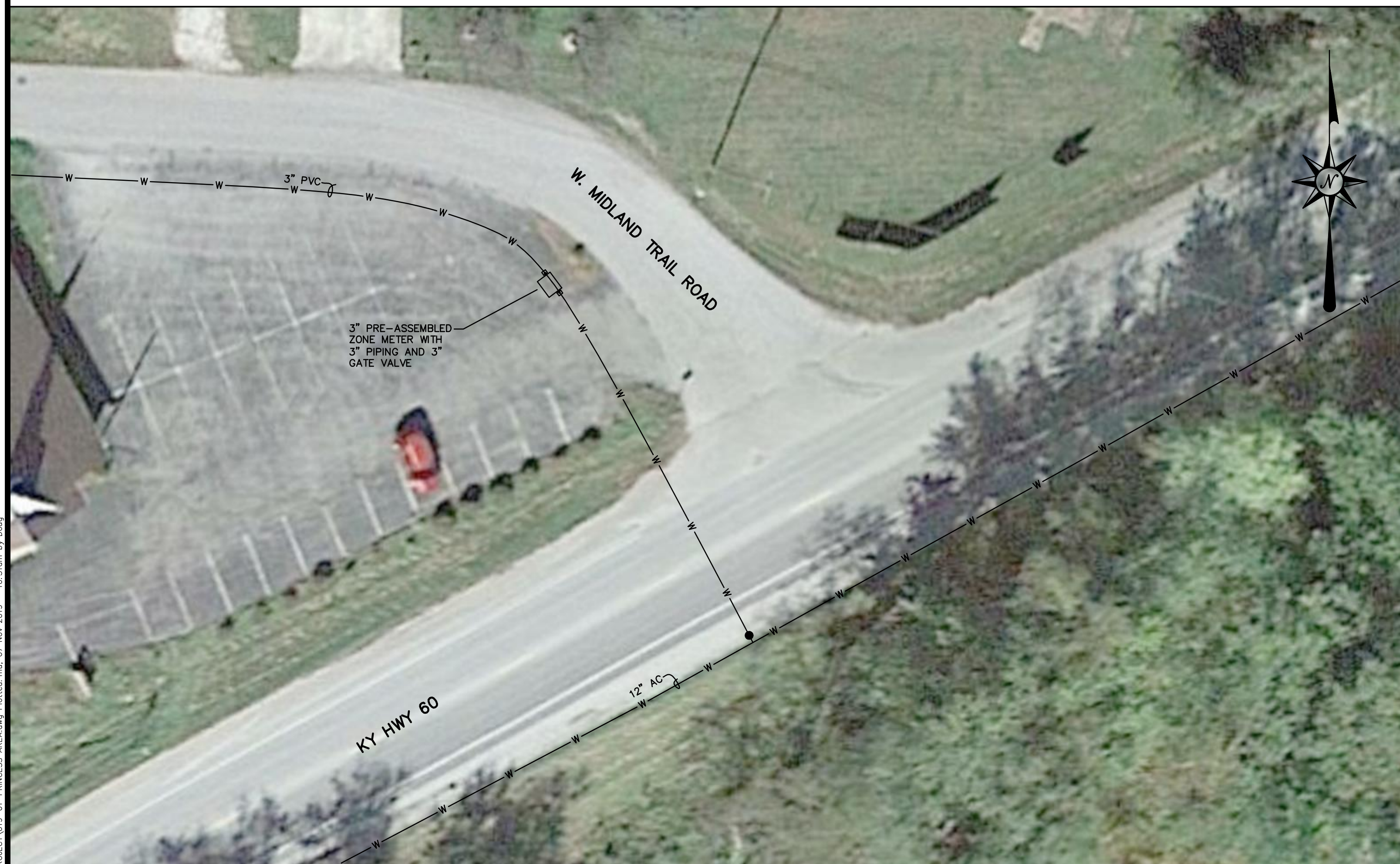
This is not a permit unless and until the applicant(s) receives an approved TC 99-1B from KYTC. This application shall become void if not approved by the cancellation date. The cancellation date shall be a minimum of one year from the date the applicant submits their application.



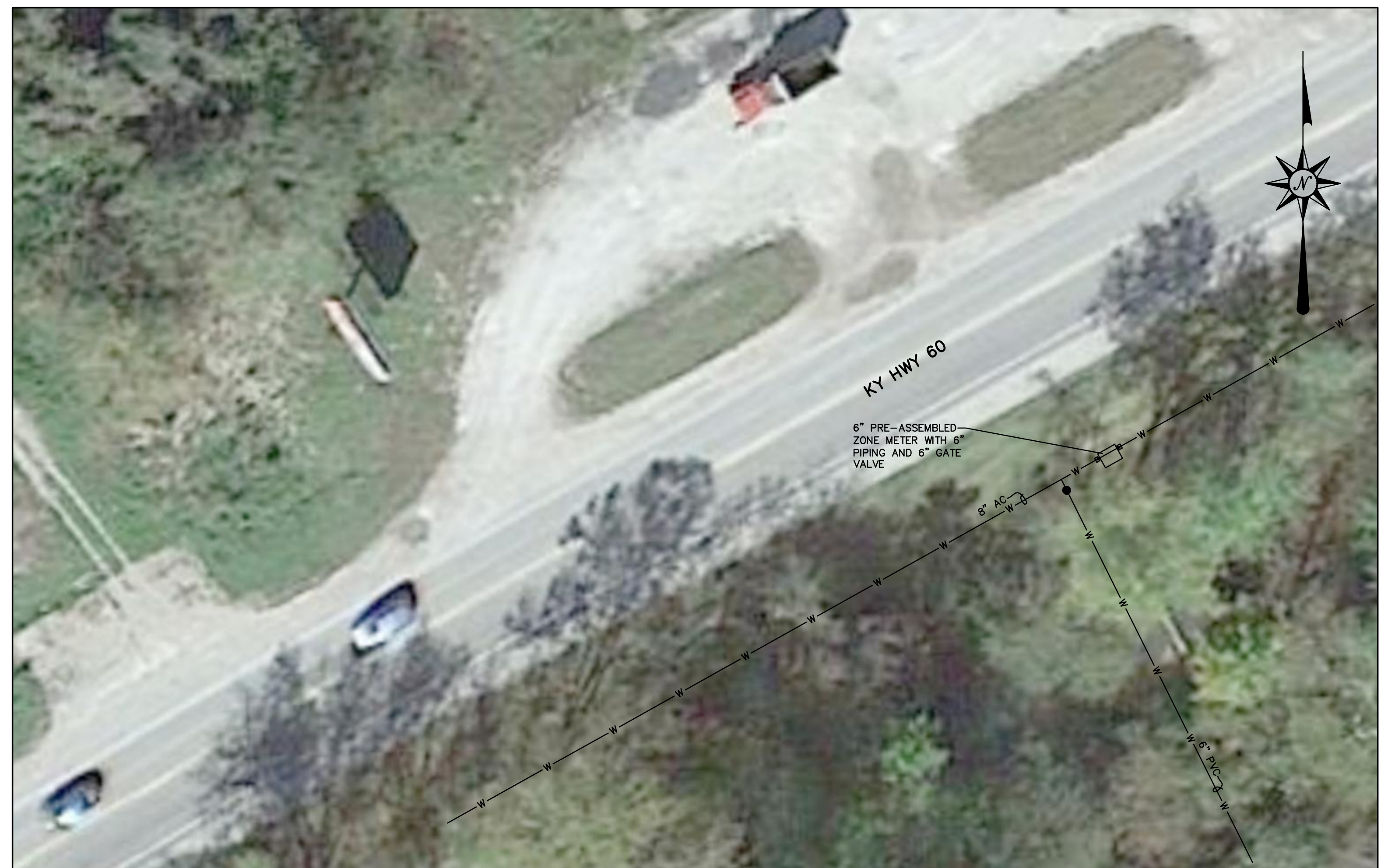
KY HWY 60 AT S. BIG RUN ROAD



KY HWY 60 AT ADDINGTON CIR.

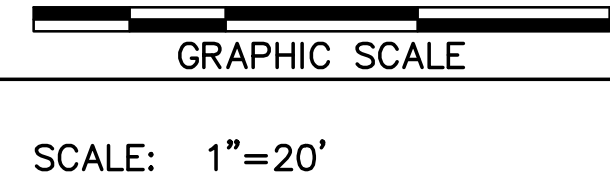


KY HWY 60 AT W. MIDLAND TRAIL ROAD

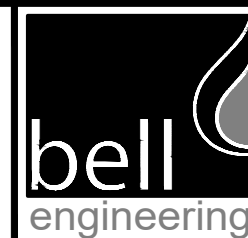


KY HWY 60

DESIGNER	RAB	DATE	BY	REVISION
DRAWN	DRH			
CHECKED	KGG			
APPROVED	RAB			



ALL RIGHTS RESERVED  
 THIS DOCUMENT IS THE PROPERTY OF BELL ENGINEERING AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR USED FOR CONSTRUCTION OF OTHER THAN THIS SPECIFIC PROJECT WITHOUT THE WRITTEN PERMISSION OF BELL ENGINEERING.



Lexington, KY (859) 278-5412  
 Hopkinsville, KY (270) 886-5466  
 Asheville, NC (828) 774-5499

PHASE 1 – ZONE METERING PROJECT  
 CANNONBURG WATER DISTRICT  
 CANNONBURG, KENTUCKY

PRINCESS AREA

DIVISION	D
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	3 OF 3



Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



**Alan Bowman, PE**  
*Project Engineer*

P: 859-278-5412 | C: 859-319-6784 | F: 859-278-2911

[abowman@hkbell.com](mailto:abowman@hkbell.com) | [www.hkbell.com](http://www.hkbell.com)

2480 Fortune Drive, Suite 350  
Lexington, KY 40509





**Andy Beshear**  
Governor

**COMMONWEALTH OF KENTUCKY**  
**TRANSPORTATION CABINET**  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Jim Gray**  
Secretary

June 9, 2020

Cannonsburg Water District  
1606 Cannonsburg Road  
Ashland, Kentucky 41102

Subject: Permit #: 09-2020-00041  
Permit Type: Utilities - Water  
Approval

Dear Applicant:

Attached is your permit approval and documentation for the subject permit.

Be advised that all work must be done in conformity with permit and application conditions. If you have any questions, please contact the Permits Section at this office.

Sincerely,

*Vickie Griggs*

Vickie Griggs  
D9 Traffic/Permits Supervisor

Attachments



An Equal Opportunity Employer M/F/D



**ENCROACHMENT PERMIT**

**KYTC KEPT #:** 09-2020-00041  
 \_\_\_\_\_  
**Permittee:** Cannonsburg Water District  
 \_\_\_\_\_  
**Permit Type / Subtype:** Utilities / Water  
 \_\_\_\_\_  
**Work Completion Date:** 10/6/2020  
 \_\_\_\_\_

INDEMNITIES		
Type	Amount Required	Tracking Number
Performance Bond	\$2,000.00	999049423
Cash / Check	\$0.00	
Self-Insured	\$0.00	
Payment Bond	\$0.00	
Liability Insurance	\$0.00	

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

Vickie Griggs D9 Traffic/Permits Supervisor 6/3/2020  
 \_\_\_\_\_  
**SIGNATURE TITLE DATE**

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

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Location of Meter Installation	Boyd - US 60	38.369266	-82.767753



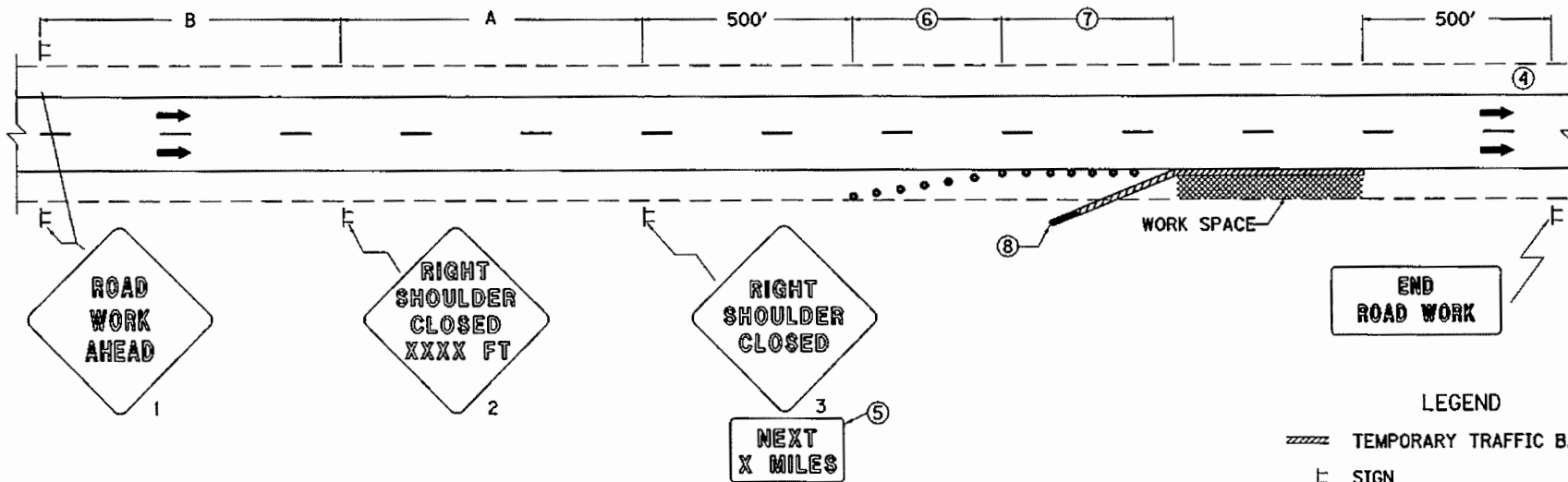
**ENCROACHMENT PERMIT GENERAL NOTES &  
SPECIFICATIONS**

KYTC KEPT # 09-2020-00041

X SAFETY	
X	All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual. Federal law requires that traffic control shall be implemented in accordance with MUTCD standards and Kentucky Transportation Cabinet Department of Highways Standard Specifications for Road and Bridge Construction (Standard Specifications) under the supervision of a certified Work Zone Traffic Control Supervisor.
X	All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
X	No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the MUTCD.
X	When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between <u>9 AM</u> and <u>2 PM</u> .
X	The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
X	No non-construction equipment or vehicles or office trailers shall be allowed on the right of way at any time.
X	The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.
X	<b>Before You Dig:</b> The contractor is instructed to call 1-800-752-6007 to reach KY 811, the One-Call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that the owners of underground facilities are not required to be members of the KY 811 One-Call Before U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Clerk to determine what utility companies have facilities in the area.
X	Date and time restrictions pertaining to this permit are as follows: Proposed work should be done during daylight hours. No work should be done during inclement weather activities.
X	No explosive devices or explosive material shall be used within state right of way without proper license and approval of the Kentucky Department of Mines and Minerals, Explosive Division.
X	The permittee shall meet all applicable federal Occupational Safety and Health Administration standards and Kentucky Occupational Safety and Health standards.
X GENERAL	
X	The permittee shall be responsible for any damage to existing utilities, and any utility modifications or relocations within state right of way necessary, as determined by the Department or by the owner of the utility.

X	Whenever materials of an archaeological nature are discovered during the course of construction work or maintenance operations, contact shall be made immediately with the Division of Environmental Analysis. Following this consultation, further action shall be decided on a case-by-case basis by the Department.
X	If the activity to which this permit related disturbs one acre or more of land, you must obtain Kentucky Pollutant Discharge Elimination System KYR10 permit. Information can be found at <a href="http://water.ky.gov/permitting/Pages/GeneralPermits.aspx">http://water.ky.gov/permitting/Pages/GeneralPermits.aspx</a>
X	<b>UTILITIES</b>
X	<b>For Non-Fully Controlled Access Highways</b>
X	Underground longitudinal lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 30 inches cover above top of pipe or conduit, except for natural gas and petroleum fraction lines.
X	Minimum depth for underground utilities is 42" under roadways, ramps, and ditch lines and 30" in all other areas within state right of way except for natural gas and petroleum fraction lines.
X	To the extent possible, maintain at least a 30' clear zone.
X	<b>Other Utility Requirements</b>
X	Other utility requirements pertaining to this permit are as follows: Applicant/Contractor should have available all necessary personal protective equipment/signage needed for the successful completion of the project. If not available, then no work should take place until these items are obtained.
X	<b>RIGHT-OF-WAY RESTORATION</b>
X	All disturbed portions of the right of way shall be restored to grass as per the Standard Specifications. A satisfactory turf, as determined by the Department, shall be established by the permittee prior to release of indemnity. Sodding or seeding per the specified seed mix shall be used. For urban areas, the seed mix will be modified to only include Fescue and Ryegrass.
X	For seeding on slopes 3:1 or less, apply seed mix Type I at a minimum application rate of 100 pounds per acre. Seed Mix Type I: 90% Kentucky 31 Tall Fescue, 10% White Dutch Clover
X	For seeding in residential and urban areas, use seed mix Type IV at an application rate of 275 pounds per acre. Seed Mix Type IV: 95% Turf Type Tall Fescue Blend, 5% White Dutch Clover
X	Prior to seeding, the ground shall be prepared in accordance with the Standard Specifications.
X	All ditch-flow lines and all ditch-side slopes shall be sodded.
X	Existing concrete right of way markers shall not be disturbed, but if damaged in any way, they shall be entirely replaced by the permittee, with new markers to match the original markers, in accordance with the Standard Specifications. Markers that are entirely removed shall be re-established in the proper locations by the permittee and to the satisfaction of the Department. All right of way markers shall be installed by a licensed Land Surveyor.
X	Other right-of-way restoration requirements pertaining to this permit are as follows: A satisfactory grass covering shall need to be established before the permit can be released in the future.
X	<b>DRAINAGE</b>
X	Any negative impacts to existing drainage structures will be the permittee's responsibility to repair in accordance with the Standard Specifications.
X	<b>MISCELLANEOUS</b>

X	Miscellaneous requirements pertaining to this permit are as follows:  If any questions arise about the permitted work, please contact Derrick Logan at 1-606-845-2551 and thank you.
<b><u>NOTICE TO PERMITTEE</u></b>	
THE PERMITTEE AGREES THAT ALL WORK WITHIN THE EXISTING RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH PLANS AS APPROVED AND PERMITTED BY AN ENCROACHMENT PERMIT. THE PERMITTEE SHALL MEET ALL DEPARTMENT POLICIES, STANDARD DRAWINGS, AND STANDARD SPECIFICATIONS. ANY CHANGES OR VARIANCES MADE AT THE TIME OF CONSTRUCTION WITHOUT WRITTEN APPROVAL FROM THE DEPARTMENT OF HIGHWAYS SHALL BE REMOVED BY THE PERMITTEE AT NO EXPENSE TO THE DEPARTMENT OF HIGHWAYS AND SHALL BE REDONE BY THE PERMITTEE TO CONFORM WITH THE APPROVED PLANS.	



- LEGEND**
- ////// TEMPORARY TRAFFIC BARRIER
  - F SIGN
  - CHANNELIZING DEVICES
    - CONES
    - DRUMS
    - TYPE II BARRICADES
    - TUBULAR MARKERS
  - CRASH CUSHION

1. THE SIZE OF SIGNS 1 THRU 3 SHALL BE 48" X 48" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER. OTHERWISE, 36" X 36" SIGNS MAY BE USED. THE "END ROAD WORK" SIGN SHALL BE 48" X 24" IF THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 36" X 18" MAY BE USED.
2. SIGN 1 SHALL NOT BE DUAL-MOUNTED ON TWO-LANE, TWO-DIRECTION HIGHWAYS OR ON MULTI-LANE HIGHWAYS WHERE MEDIAN IS NOT WIDE ENOUGH TO MAINTAIN LATERAL CLEARANCES SHOWN IN THE MUTCD. SIGNS 2 AND 3 SHALL BE INSTALLED ONLY ON THE SIDE OF THE AFFECTED SHOULDER.
3. DRUMS OR TYPE II BARRICADES SHALL BE USED IN LIEU OF CONES OR TUBULAR MARKERS IF CLOSURE EXTENDS INTO NIGHTTIME HOURS.
- ④ ON TWO-LANE TWO-DIRECTION HIGHWAYS, SIGNS 1 THRU 3 SHALL BE INSTALLED ON THE APPROACH WITH THE RIGHT SHOULDER CLOSED. A "ROAD WORK AHEAD" AND "SHOULDER WORK" SIGN SHALL BE INSTALLED ON THE OPPOSITE APPROACH. THE "SHOULDER WORK" SIGN SHALL BE MOUNTED IN ADVANCE OF THE CLOSURE AT A SPACING OF "A" (SEE SIGNING AND SPACING TABLE). AN ADDITIONAL "ROAD WORK AHEAD" SIGN SHALL BE INSTALLED IN ADVANCE OF THE "SHOULDER WORK" SIGN AT A SPACING OF "B".
- ⑤ WHEN THE END OF THE CLOSURE CANNOT BE SEEN BY ROAD USERS, A "NEXT X MILES" PLAQUE SHALL BE INSTALLED BELOW THE "SHOULDER CLOSED" SIGN. THE PLAQUE SHALL BE 36" X 30" WHEN THE NORMAL POSTED SPEED LIMIT IS 45 MPH OR GREATER, OTHERWISE 24" X 18" MAY BE USED.
- ⑥ TAPER LENGTH SHALL BE 0.33 L. SPACING OF CHANNELIZING DEVICES THROUGH THE SHOULDER TAPER SHOULD BE 40'.
- ⑦ SPACING OF CHANNELIZING DEVICES THROUGH THE REMAINDER OF THE CLOSURE SHOULD BE 80'.
- ⑧ TEMPORARY TRAFFIC BARRIER SHALL BE REQUIRED ONLY IF DESIGNATED ELSEWHERE IN THE PLANS. IN ORDER TO MITIGATE THE EFFECT OF STRIKING THE END OF A TEMPORARY TRAFFIC BARRIER, THE END SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADSIDE DESIGN GUIDE BY FLARING (SEE TABLE) UNTIL THE END IS OUTSIDE THE ACCEPTABLE CLEAR ZONE OR BY PROVIDING CRASHWORTHY END TREATMENTS. FLATTER FLARE RATES MAY BE USED.

MAXIMUM FLARE RATES FOR TEMPORARY TRAFFIC BARRIER			
DESIGN SPEED	70 MPH	60 MPH	50 MPH
FLARE RATE	15:1	14:1	11:1

SIGNING AND SPACING TABLE			
ROAD TYPE	A	B	L
EXPRESSWAY/FREEWAY	1000'	1600'	840'
SP. LT. ≥ 45 MPH*	500'	500'	680'
SP. LT. ≤ 40 MPH*	500'	500'	320'

\*NOTE: USE NORMAL POSTED SPEED LIMIT

DRAWING NOT TO SCALE  
USE WITH CURRENT STD. DWG. TTD-110

KENTUCKY  
DEPARTMENT OF HIGHWAYS

**SHOULDER CLOSURE**

STANDARD DRAWING NO. TTC-135-01

SUBMITTED: *[Signature]* 11-21-07  
DIRECTOR, DIVISION OF TRAFFIC OPERATIONS  
APPROVED: *[Signature]* 11-21-07  
STATE HIGHWAY ENGINEER

**APPLICATION**

THIS DRAWING APPLIES TO SHOULDER CLOSURES ON MULTI-LANE HIGHWAYS, TWO-LANE TWO-DIRECTION HIGHWAYS, AND ONE-WAY HIGHWAYS.

### Notes for Figure 6H-1—Typical Application 1 Work Beyond the Shoulder

**Guidance:**

1. *If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.*

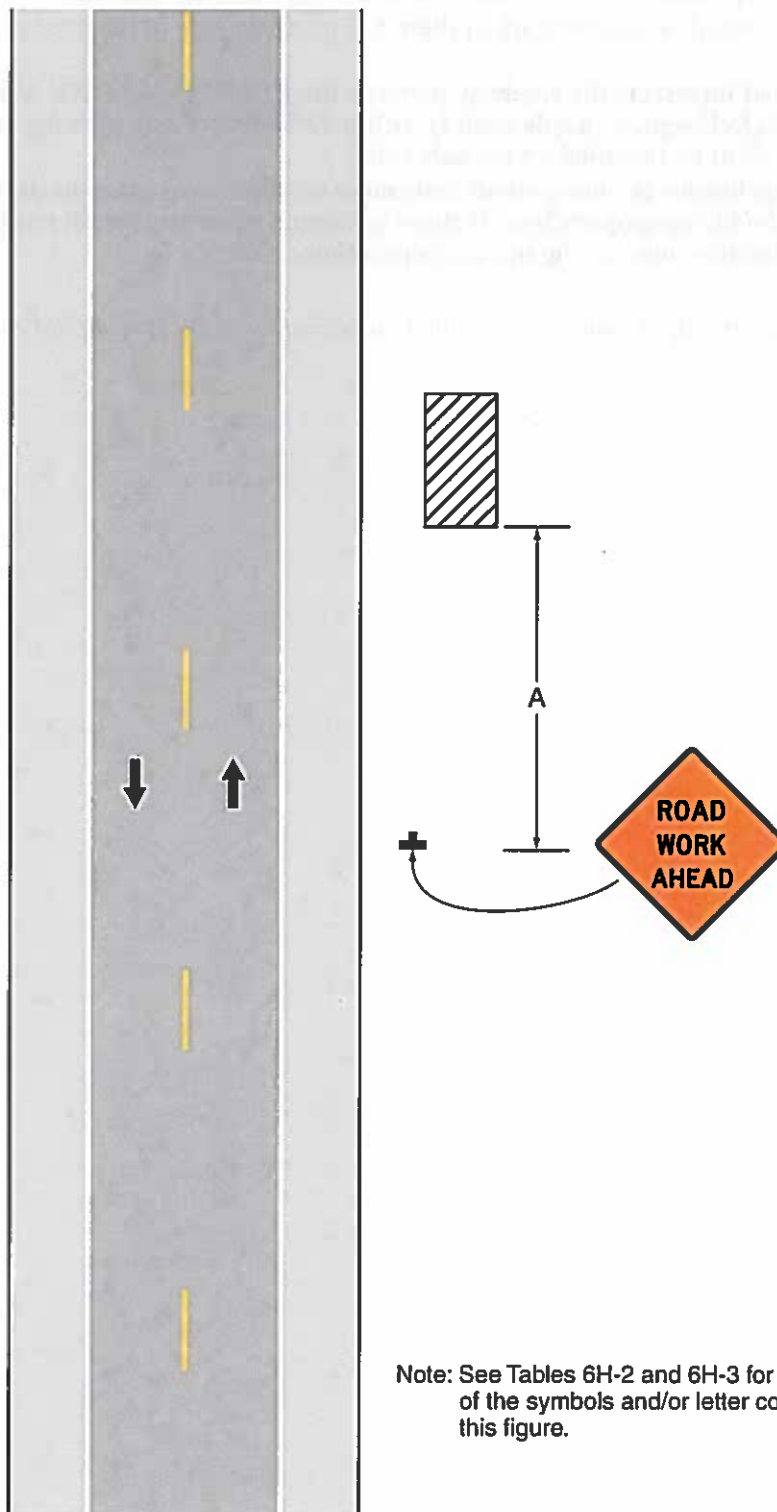
**Option:**

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 24 inches behind the curb, or 15 feet or more from the edge of any roadway.
4. For short-term, short duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

**Standard:**

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 1



# NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

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## PERMITTEE

Name: Cannonsburg Water District  
Contact Person:  
Address: 1606 Cannonsburg Road  
City: Ashland  
State: Kentucky  
Zip: 41102  
Telephone: (606) 928-9808

## PROJECT IDENTIFICATION

Permit Number: 09-2020-00041

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

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Permittee

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

Please Return to: Permit Engineer  
Department of Highways, District 9 Office  
822 Elizaville Avenue  
Flemingsburg, Kentucky 41041  
(606) 845-2551  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Proposed Location of Meter Installation	Boyd - US 60	38.369266	-82.767753



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00041

**SECTION 1: APPLICANT CONTACT INFORMATION**

<b>APPLICANT</b> Cannonsburg Water District	<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland
<b>EMAIL</b> www.cannonsburgwater.com		<b>STATE</b> KY
		<b>ZIP</b> 41102
<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b> 606.928.9808
		<b>CELL #</b> 606.694.5482
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b> 859.278.5412
		<b>CELL #</b>

**SECTION 2: PROPOSED WORK LOCATION**

<b>ADDRESS</b> 1606 Cannonsburg Rd	<b>CITY</b> Ashland	<b>STATE</b> Kentucky	<b>ZIP</b> 41102
<b>COUNTY</b> Boyd	<b>ROUTE #</b> US 60	<b>MILE POINT</b> 0.54	<b>LONGITUDE (X)</b> 38.369211
			<b>LATITUDE (Y)</b> -82.767671

**ADDITIONAL LOCATION INFORMATION:**  
 See attached Princess Area Sheet No. 3 of 3

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

**SIGNATURE**

**DATE**

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



## APPLICATION FOR ENCROACHMENT PERMIT

### TERMS AND CONDITIONS

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



## APPLICATION FOR ENCROACHMENT PERMIT

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



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



**APPLICATION FOR ENCROACHMENT PERMIT**

KYTC KEPT #: 09-2020-00041

**SECTION 1: APPLICANT CONTACT INFORMATION**

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<b>CONTACT NAME 1</b> Tim Webb, Manager	<b>EMAIL</b> tim@cannonsburgwater.com	<b>PHONE #</b>	606.928.9808	
		<b>CELL #</b>	606.694.5482	
<b>CONTACT NAME 2 (if applicable)</b> Alan Bowman, Project Engineer	<b>EMAIL</b> abowman@hkbell.com	<b>PHONE #</b>	859.278.5412	
		<b>CELL #</b>		

**SECTION 2: PROPOSED WORK LOCATION**

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<b>COUNTY</b> Boyd	<b>ROUTE #</b> US 60	<b>MILE POINT</b> 0.54	<b>LONGITUDE (X)</b> 38.369211	<b>LATITUDE (Y)</b> -82.767671

**ADDITIONAL LOCATION INFORMATION:**

See attached Princess Area Sheet No. 3 of 3

**FOR KYTC USE ONLY**

**PERMIT TYPE:**  Air Right  Entrance  Utilities  Vegetation Removal  Other: \_\_\_\_\_

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

**SECTION 3: GENERAL DESCRIPTION OF WORK**

Zone meter installation on existing waterline.

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

2/25/2020

SIGNATURE

DATE

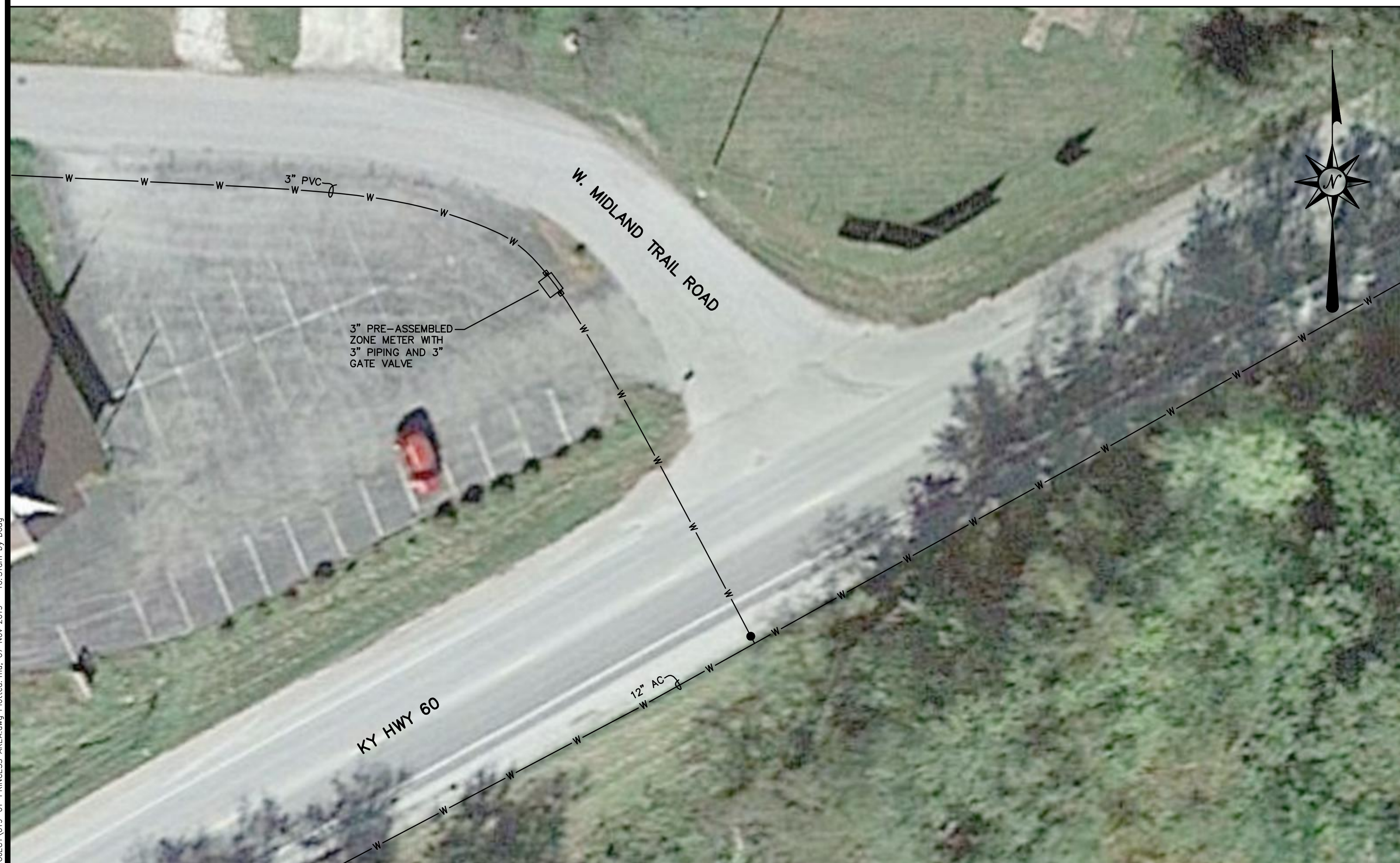
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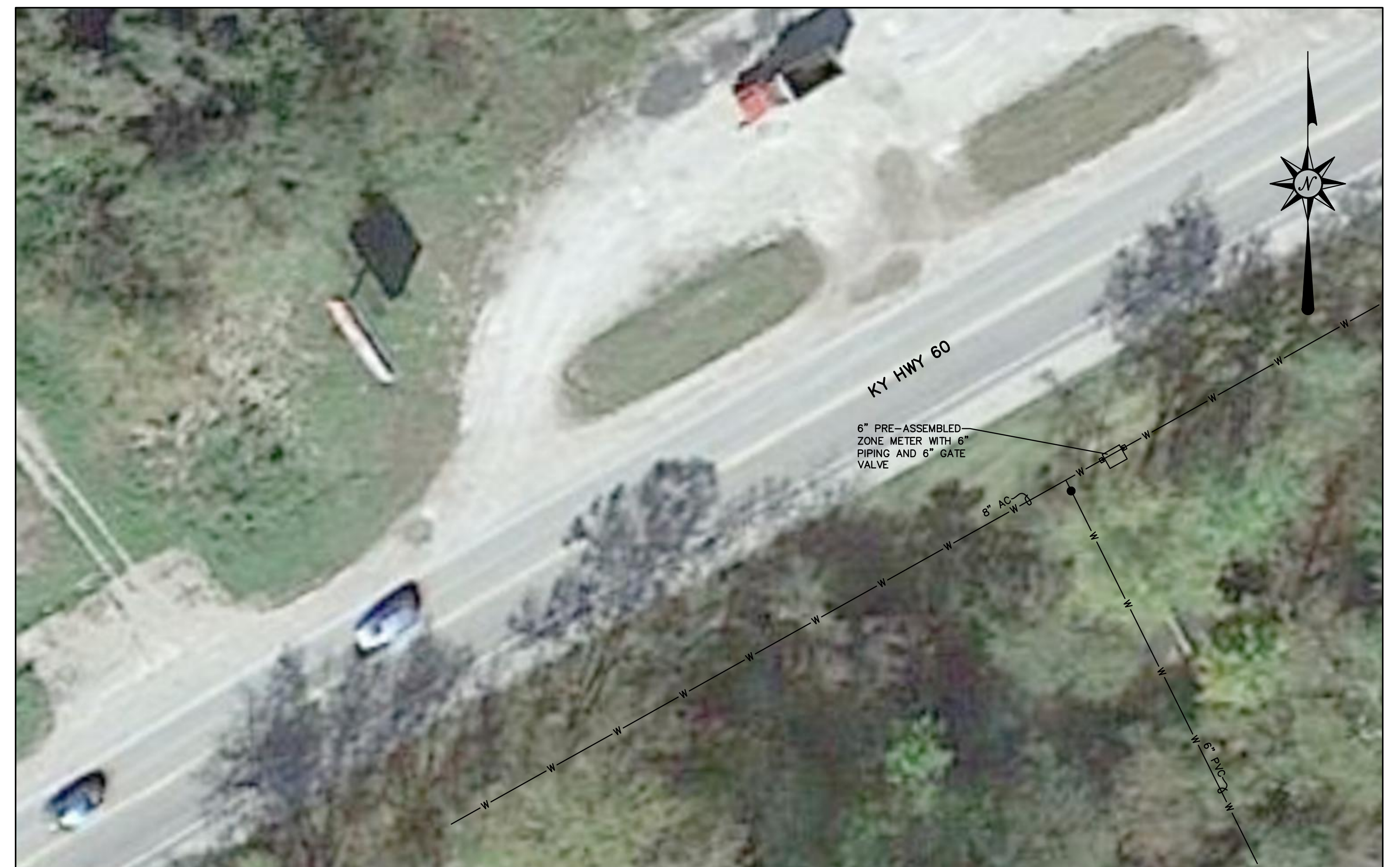
KY HWY 60 AT S. BIG RUN ROAD



KY HWY 60 AT ADDINGTON CIR.

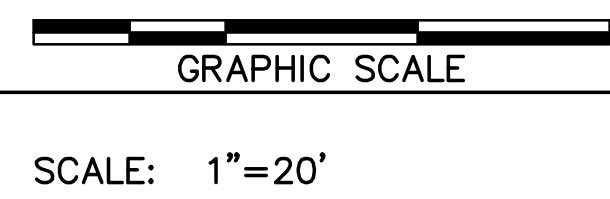


KY HWY 60 AT W. MIDLAND TRAIL ROAD

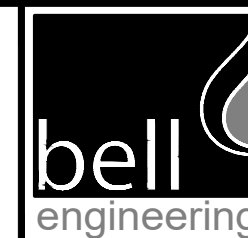


KY HWY 60

DESIGNER	RAB	DATE	BY	REVISION
DRAWN	DRH			
CHECKED	KGG			
APPROVED	RAB			



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PHASE 1 – ZONE METERING PROJECT  
 CANNONBURG WATER DISTRICT  
 CANNONBURG, KENTUCKY

PRINCESS AREA

DIVISION	D
CONTRACT NO.	619-19-01
DATE	JULY 2019
SHEET NO.	3 OF 3



Alan Bowman <[abowman@hkbell.com](mailto:abowman@hkbell.com)>

Logan, Derrick (KYTC-D09); Bryan Scott; [tim@cannonsburgwater.com](mailto:tim@cannonsburgwater.com)

9:28 AM

Re: Encroachment Permits\_Phase 1 Zone Metering Project

Derrick

All work will occur on existing lines. There will be no bituminous or shoulder replacement. The plan is to backfill with excavated material, regrade to existing conditions and then seed and straw. Like we discussed on the phone, the proposed meter settings will be pre-assemble and tested in the shop so that they can be installed in a relatively short time, minimizing the time water is out of service. Our specs do not allow excavated areas to be left over-night or unattended. Hope this helps. Thanks.

Alan



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