



Matthew G. Bevin
Governor

COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
Department of Highways, District 6 Office
421 Buttermilk Pike
Covington, Kentucky 41017
(859) 341-2700
www.transportation.ky.gov/

Greg Thomas
Secretary

May 2, 2017

Duke Energy
John Perkins
P.O. Box 960 Room EX 460
Cincinnati, Ohio 45202

Subject: Permit #: 06-2016-01078
Permit Type: Utilities - Gas
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,

A handwritten signature in blue ink, appearing to read "Robert Yeager".

Robert Yeager
D6 - Chief District Engineer

Attachments



An Equal Opportunity Employer M/F/D



Kentucky Transportation Cabinet
 Department of Highways
 Permits Branch

TC 99-1 (A)
 8/2012
 Page 1 of 4

APPLICATION FOR ENCROACHMENT PERMIT

Permittee Information		KYTC No. <u>06-2016-01078</u>	
Name	Duke Energy	Permit Information	
Address	PO Box 960	Address	Chambers Rd
	Room EX460	City	Walton
City	Cincinnati	State	KY Zip 41094
State	OH Zip 45202	County	Boone
Phone#	513-287-1276	Route No.	2951 Mile Point <u>1.703</u>
Contact	John Perkins	Longitude (X)	38.889594*
Phone	513-287-1276 Cell 513-315-8338	Latitude (Y)	-84.626361*
Email	John.Perkins@duke-energy.com	Information below to be filled out by KYTC	
Contact	Greg Menetrey	<input type="checkbox"/> Air Right	<input type="checkbox"/> Entrance
Phone	513-659-0066 Cell: 513-659-0066	<input checked="" type="checkbox"/> Utilities	<input type="checkbox"/> Other: _____
Email	Greg.menetrey@duke-energy.com	<input type="checkbox"/> Left	<input type="checkbox"/> Right <input checked="" type="checkbox"/> X-ing
		Access:	<input checked="" type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> by Permit

General Description of Work

Install new 12" steel gas main under KY2951, Chambers Rd in Walton, KY. See attached plans. With this being a single lane tunnel, we'll need to close the road in order to install this pipe. Traffic control plan is also attached. We intend to install this main (at 4' of cover) during the summer of 2017. We will expedite this work and try to limit the closure to one week.

Note: Once we clear the Chambers Rd/I-75 tunnel, we'll return the pipeline to private easements already acquired.

This crossing is part of a larger pipeline project. We're submitting this portion of the project separately because it's the only portion that requires Federal Highway Commission approval. The remainder of the project will be submitted for permit separately.

THE UNDERSIGNED PERMITTEE(S) (being duly authorized representative(s) or owner(s)) DO AGREE TO ALL TERMS AND CONDITIONS ON THE TC 99-1 (A).

John Perkins
 Signature

11/16/16
 Date

APPROVED
 MAY 02 2017

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

NOTICE OF COMPLETION OF ENCROACHMENT PERMIT WORK

PERMITEE

Name: Duke Energy
Contact Person: John Perkins
Address: P.O. Box 960 Room EX 460
City: Cincinnati
State: Ohio
Zip: 45202
Telephone:

PROJECT IDENTIFICATION

Permit Number: 06-2016-01078

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.

Applicant

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 6 Office
421 Buttermilk Pike
Covington, Kentucky 41017
(859) 341-2700
www.transportation.ky.gov/

LOCATION(S)			
Description	County - Route	Latitude	Longitude
Install new gas main under KY 1251	Boone - KY 2951	38.889574	-84.626324



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 will be required of the permittee to ensure payment of liquidated damages assessed to the permittee.
 - C. **LIABILITY INSURANCE:** Liability insurance will 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 will 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 agrees 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, and/or 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, and/or other corrective measures must be completed will be specified in the notice.



APPLICATION FOR ENCROACHMENT PERMIT

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/or 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.

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, agrees 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 may and 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.



APPLICATION FOR ENCROACHMENT PERMIT

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.

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, agrees 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.



ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

Permit No. 06-2016-01078

I. SAFETY

A. General Provisions

- All signs and control of traffic shall be in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways, latest edition, Part VI, and safety requirements shall comply with the Permits Manual.
- All work necessary in shoulder or ditch line areas of a state highway shall be scheduled to be promptly completed so that hazards adjacent to the traveled way are kept to an absolute minimum.
- No more than one (1) traveled-lane shall be blocked or obstructed during normal working hours. All signs and flaggers during lane closure shall conform to the Manual on Uniform Traffic Control Devices.
- When necessary to block one (1) traveled-lane of a state highway, the normal working hours shall be as directed by the Department. No lanes shall be blocked or obstructed during adverse weather conditions (rain, snow, fog, etc.) without specific permission from the Department. Working hours shall be between 9:00 am and 4:30 pm
- The traveled-way and shoulders shall be kept clear of mud and other construction debris at all times during construction of the permitted facility.
- No nonconstruction equipment or vehicles or office trailers shall be allowed on the right of way during working hours.
- The right of way shall be left free and clear of equipment, material, and vehicles during non-working hours.

B. Explosives

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

C. Other Safety Requirements

- Applicant must maintain the detour signs and traffic pattern.

II. UTILITIES * Applies to Fully Controlled Access Highways ONLY

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

Permit No. 06-2016-01078

II. UTILITIES (Continued)

- Encasement pipe shall conform to current standards for highway crossings in accordance with the Permits Manual.
- Parallel lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of ~~28-inch~~ cover above top of pipe or conduit.
36"
- All pavement cuts shall be restored per Kentucky Transportation Cabinet form TC 99-13.
- Aerial crossing of this utility line shall have a minimum clearance of _____ feet from the high point of the roadway to the low point of the line (calculated at the coefficient for expansion of 120 degrees Fahrenheit).
- The 30-foot clear zone requirement shall be met to the extent possible in accordance with the Permits Manual.
- Special requirements:

Any pipe laid within 3 feet of pavement will require flowable fill backfill.
Mill and overlay of the entire road for all open cuts.

III. GENERAL

A. OSHA

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

B. Archaeological

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

C. Utilities in the Work Areas

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

D. Environmental

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

Websites

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

Inspectors for KPDES KYR10 at www.KEPSC.org

Permit No. 06-2016-01078

VI. Paving

- No bituminous pavement shall be installed within the right of way between November 15 and April 1, nor when the temperature is below 40 degrees Farenheit, without the express consent of the Department. No bituminous pavement shall be installed when the underlying course is wet.
- Paving within the right of way shall be as follows:
 - Base (Type) Flowable Fill (Thickness) Varies
 - Surface Base (Type) Bit. Base (Thickness) Match Existing
 - Finished Surface (Type) Bit Surface (Thickness) 1.5 (Milling and Overlay)
- Existing pavement and shoulder material shall be removed to accomodate the above paving specifications.
- The finished surface of all new pavement within the right of way shall be true to the required slope and grade, uniform in density and texture, free of irregularities, and equivalent in riding qualities to the adjacent highway pavement or as determined by the Department of Highways.
- All materials and methods of construction, including base and subgrade preparation, shall be in accordance with Kentucky Department of Highways Standard Specifications for Road and Bridge Construction (latest edition).
- 24 hours notice to the Department is required prior to beginning paving operations.
Phone: 859-414-8088 Name: Mark Brannon
- To ensure proper surface drainage, the new pavement shall be flush with the edge of existing highway pavement and shall slope away from the existing edge of the pavement as specified in drawings.
- Existing edge of pavement shall be saw-cut to provide a straight and uniform joint for new pavement. An approved joint sealer, in accordance with Kentucky Department of Highways Standard Specifications (latest edition), shall be applied between new and existing pavements.

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

A. New Sidewalks

- Sidewalks shall be constructed of Class A concrete (3,500 p.s.i. test), shall be * _____ feet in width, 6 inches in thickness across the bituminous entrance, and 4 inches in thickness across the remaining sections.
- Sidewalks shall have tooled joints not less than 1 inch in depth at four foot intervals*, and 1/2 premolded expansion joints extending entirely through the sidewalk at intervals not to exceed 50 feet.
- All materials and methods of construction, including curing, shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction (latest edition).

B. Existing Sidewalks

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

KENTUCKY TRANSPORTATION CABINET

Department of Highways

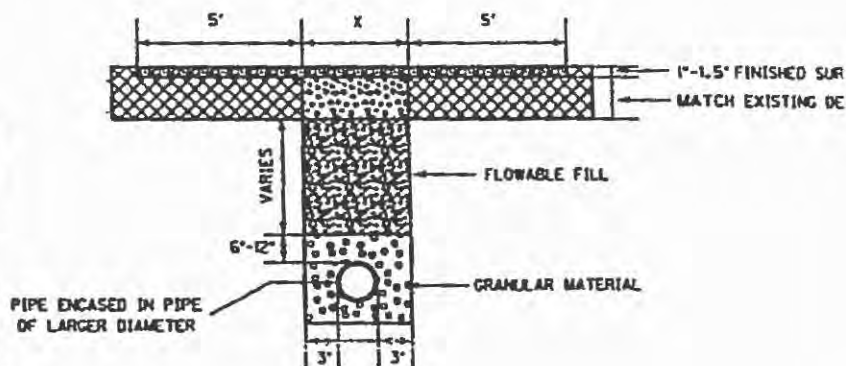
Permits Branch

SURFACE RESTORATION METHODS

Bituminous Surfacing

NOTES:

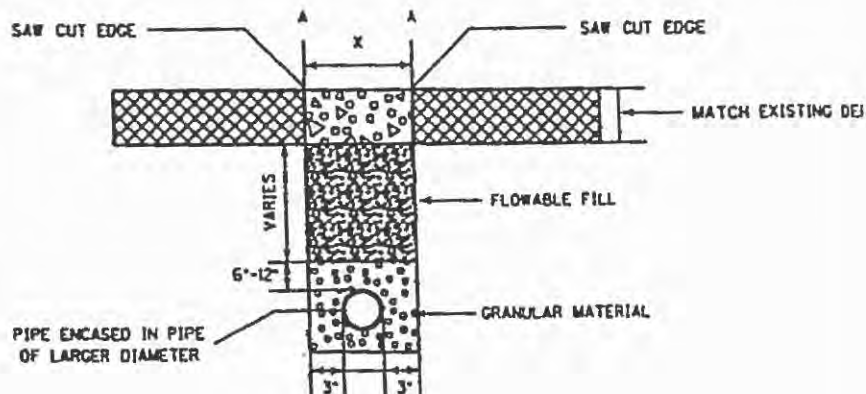
- SURFACE SHALL BE MILLED AND REPLACED 5 FEET PAST EDGE OF TRENCH.
- SURFACE EDGE SHALL BE SAW CUT ON ALL REPAIRS.
- AN APPROVED JOINT SEALER IS TO BE APPLIED BETWEEN NEW AND EXISTING PAVEMENT.



Concrete Pavement

NOTES:

- ALL EDGES SHALL BE SAW CUT AND SEALED WITH APPROVED JOINT SEALER.
- DISTANCE FROM POINTS "A" (CONCRETE PAVEMENT) TO NEAREST JOINT OR BREAK IN PAVEMENT MUST BE SIX (6) FEET OR MORE. IF LESS THAN SIX (6) FEET, REMOVE PAVEMENT TO JOINT OR BREAK AND REPLACE ENTIRE SLAB.



IMPORTANT NOTICE

Federal law requires that traffic control shall be implemented in accordance with MUTCD Standards and KYTC Specifications under the supervision of a Work Zone Traffic Control Supervisor.

A Work Zone Traffic Control Technician shall be available on the jobsite to ensure that the work zone is in compliance with the applicable standards.

If any questions, please contact Matt Bogen at (859) 341-2700.

IMPORTANT NOTICE

Federal law requires that High Visibility Class 2 or Class 3 retroreflective safety apparel that meets ANSI/ISEA 107-2004 Standards shall be worn at all times by anyone working within the KYTC R/W limits.

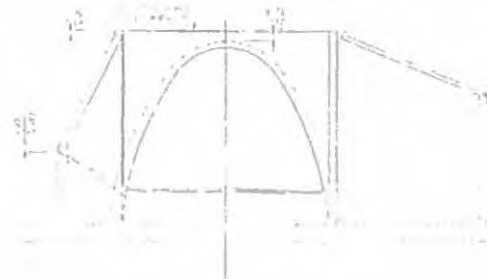
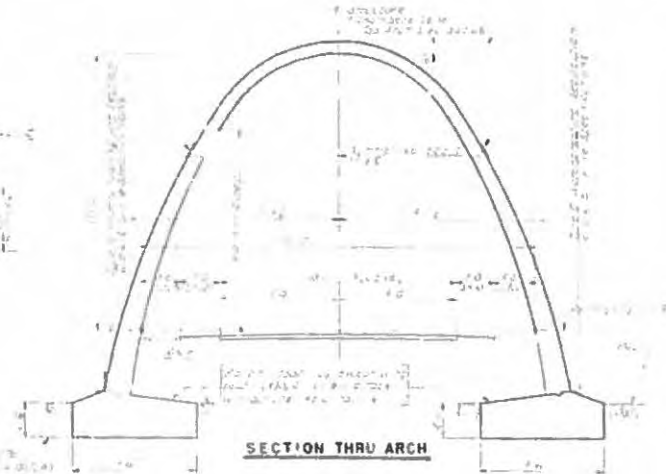
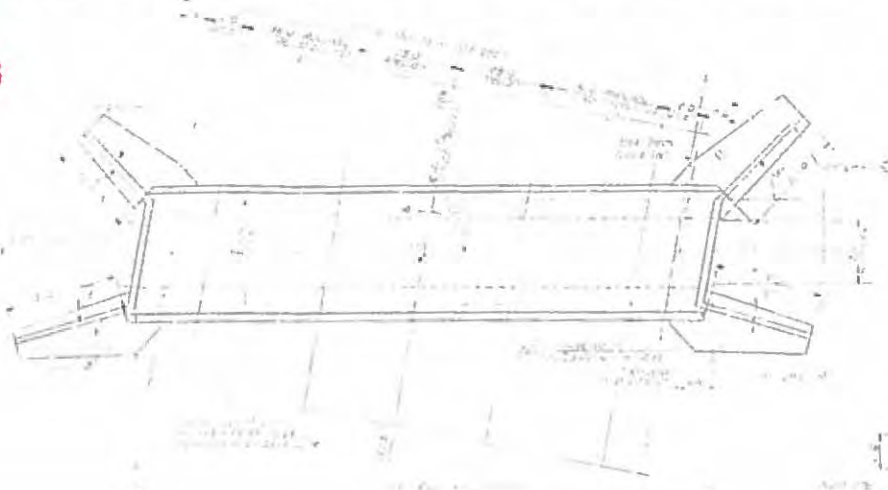
Class 3 apparel is required for flaggers after dark.

If any questions, please contact Matt Bogen at (859) 341-2700.

APPROVED

MAY 02 2017

KYTC District 6



GENERAL NOTE

1. This bridge is to be constructed in accordance with the Standard Specifications for Construction of Highway Bridges, 1995 Edition, published by the Kentucky Department of Transportation, and the Standard Specifications for Construction of Highway Bridges, 1995 Edition, published by the American Association of State Highway and Transportation Officials, Inc. (AASHTO).

2. The bridge shall be constructed to carry a design load of HS-20.

3. The bridge shall be constructed to provide a minimum clear height of 14 feet above the finished ground surface.

4. The bridge shall be constructed to provide a minimum clear width of 20 feet.

5. The bridge shall be constructed to provide a minimum clear length of 100 feet.

6. The bridge shall be constructed to provide a minimum clear depth of 10 feet.

7. The bridge shall be constructed to provide a minimum clear area of 1000 square feet.

8. The bridge shall be constructed to provide a minimum clear volume of 10000 cubic feet.

9. The bridge shall be constructed to provide a minimum clear weight of 100000 pounds.

10. The bridge shall be constructed to provide a minimum clear moment of 1000000 foot-pounds.

NO.	DATE	BY	CHKD.	APP'D.
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS
FRANKFORT
COUNTY OF
BOONE

ROAD PROJECT NO. _____

SECTION _____
BRIDGE NUMBER _____

BRIDGE

CONSTRUCTION NOTES:
 I. CONTRACTOR TO TAKE EXTRA MEASURES TO PRESERVE TULIP POPLAR TREE.

APPROVED

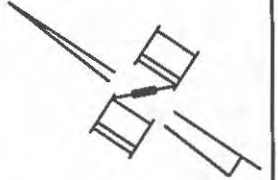
MAY 02 2017

KYTC District 6

GAS DEPARTMENT
 DUKE ENERGY

35
 55

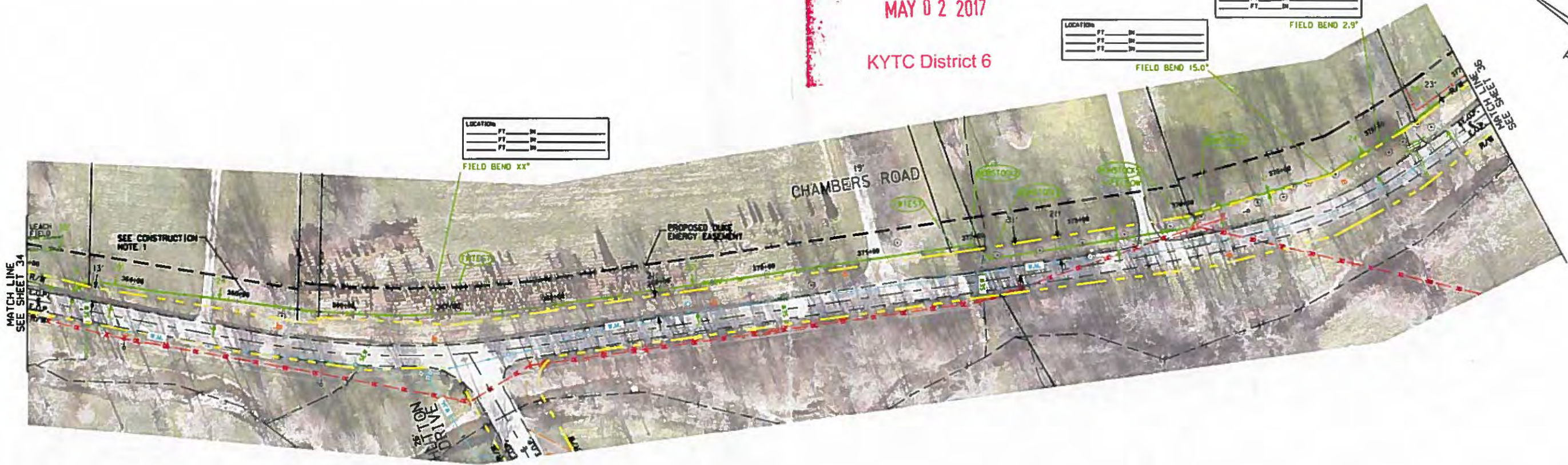
ERLANGER DISTRICT



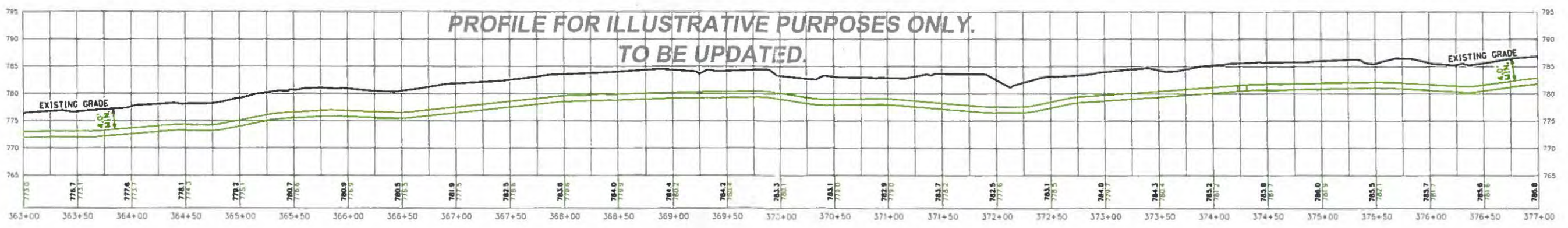
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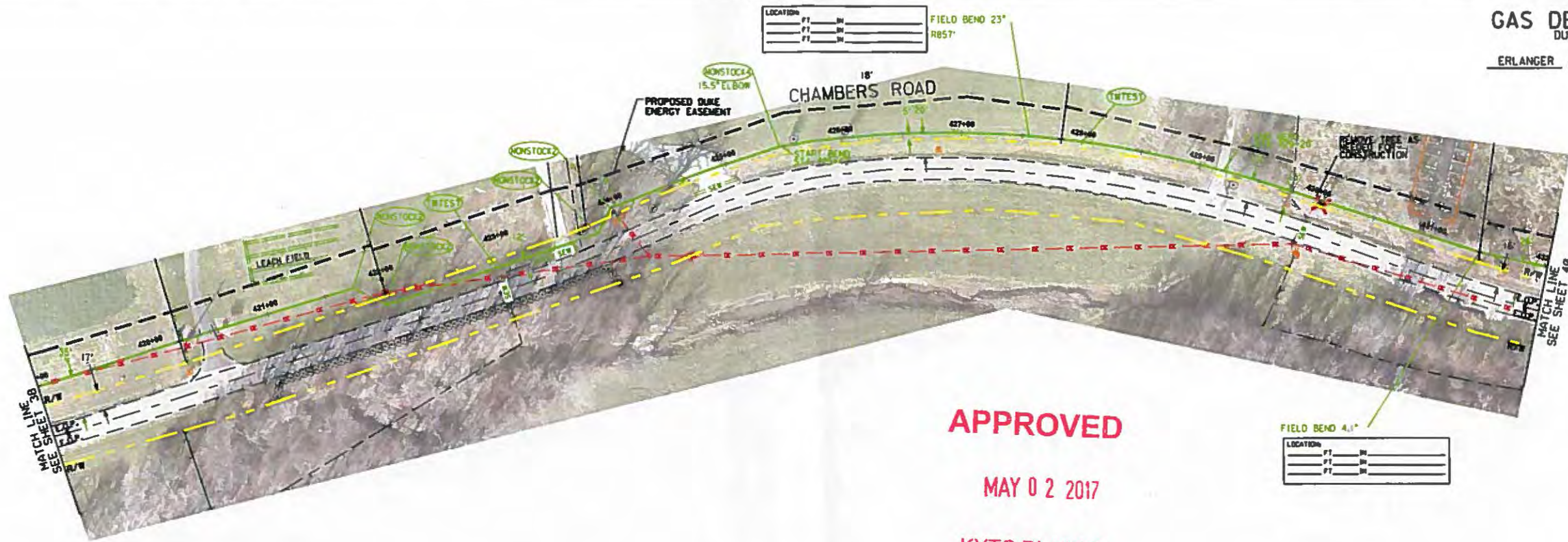
OWNERSHIP	*204-KISSINGER RONALD	*206-GILLUM JAMES M & EMILY E	*208-GUARD THOMAS E	*210-GUARD THOMAS E	*212-GUARD GREGORY G	*214-STENGER FRANKLIN & SHARLA	*216-COMPTON LARRY R & REEDA C	*218-HAGER MICHAEL R & VICKIE JEAN
PIPE DETAIL	INSTALL - 1400' 12" SWPC X-52 .250" W.T.							
SPECIAL CONDITIONS	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	ASPHALT/DRIVEWAY	BRUSH/GRASS	ASPHALT/DRIVEWAY BRUSH/GRASS



PROFILE VIEW
 HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=10'

REVISIONS

DECEMBER 13, 2016



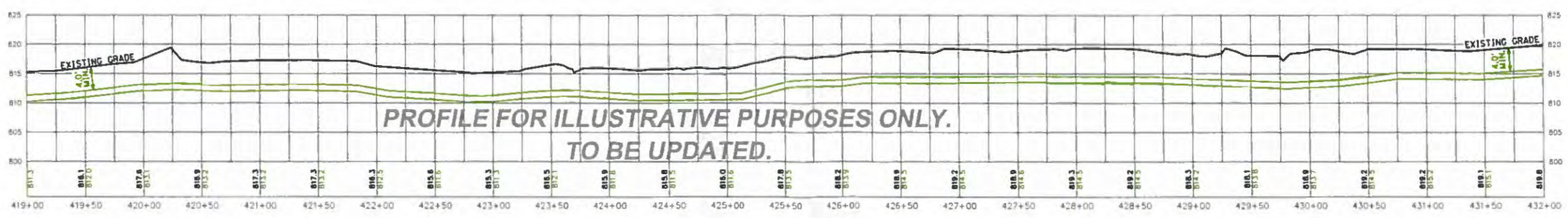
APPROVED

MAY 02 2017

KYTC District 6

OWNERSHIP	*252-MIDDENDORF DANIEL	*254-MIDDENDORF DANIEL	*256-HOOTEN CHRISTOPHER E & CARRIE A	*258-HOOTEN CHRISTOPHER EDWARD	*260-WORLEY CHARLES D	*262-GREENFIELD FARM INC	*264-GREENFIELD FARM INC
PIPE DETAIL	INSTALL - 1300' 12" SWPC X-52 .250" W.T.						
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/ DRIVEWAY	BRUSH/GRASS	GRAVEL/ DRIVEWAY	BRUSH/GRASS	GRAVEL/ DRIVEWAY	BRUSH/GRASS

SKY-CDK-024
STA. 429+42
UNT TO MUD
LICK CREEK



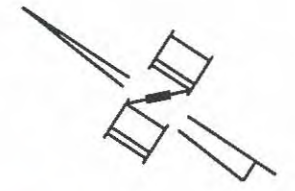
PROFILE VIEW
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

REVISIONS

APPROVED

MAY 02 2017

KYTC District 6



LOCATION	FT	IN
	FT	IN
	FT	IN

FIELD BEND 3.1'

LOCATION	FT	IN
	FT	IN
	FT	IN

FIELD BEND 13.7'

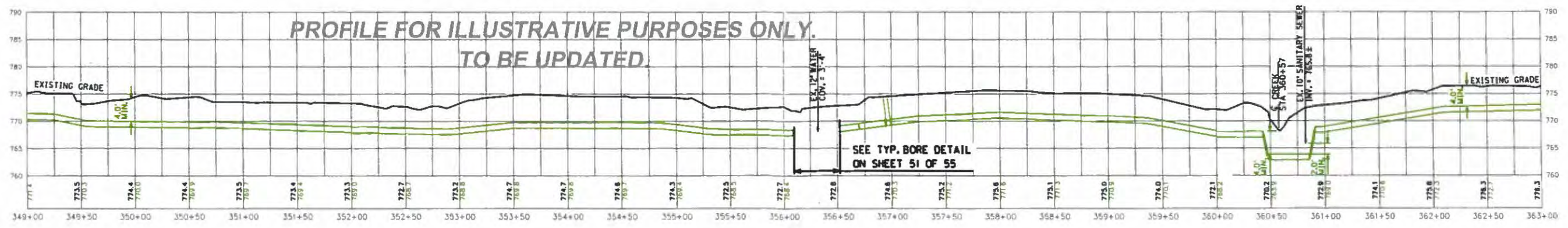


VALVE #	_____	SIZE	12"		
MANUFACTURER	_____				
FIG. #	_____	W.D.C./M.O.P.	_____		
GATE	<input type="checkbox"/>	PLUG	<input type="checkbox"/>	OTHER	_____
TURNS TO OPEN _____					
LOCATION					
	FT	IN	_____		
	FT	IN	_____		
	FT	IN	_____		
BOX # PIT # COVER AT MAIN _____ FT _____ IN					
PRESSURE STEMS LOCATED N S E W _____					
REMARKS _____					

BORE - 44"
12" SWPC X-52 .250" W.T. (POWERCRETE)

OWNERSHIP	*184-BEIERLEIN JEFF T & DORIS		*186-BERGER JAMES M		*188-O'HARA KENNETH G			*192-KING KENNETH	KYTC ROW	*200-IVEY JULIAN			*202-KISSINGER RONALD		*204-KISSINGER RONALD			
PIPE DETAIL	INSTALL - 676' 12" SWPC X-52 .250" W.T.																	
SPECIAL CONDITIONS	BRUSH/GRASS	ASPHALT/PAVEMENT	BRUSH/GRASS		ASPHALT/DRIVEWAY	BRUSH/GRASS	CONCRETE/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	ASPHALT/STREET	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS	ASPHALT/DRIVEWAY	BRUSH/GRASS	GRAVEL/DRIVEWAY	BRUSH/GRASS

SKY-CDK-020
STA. 360+57

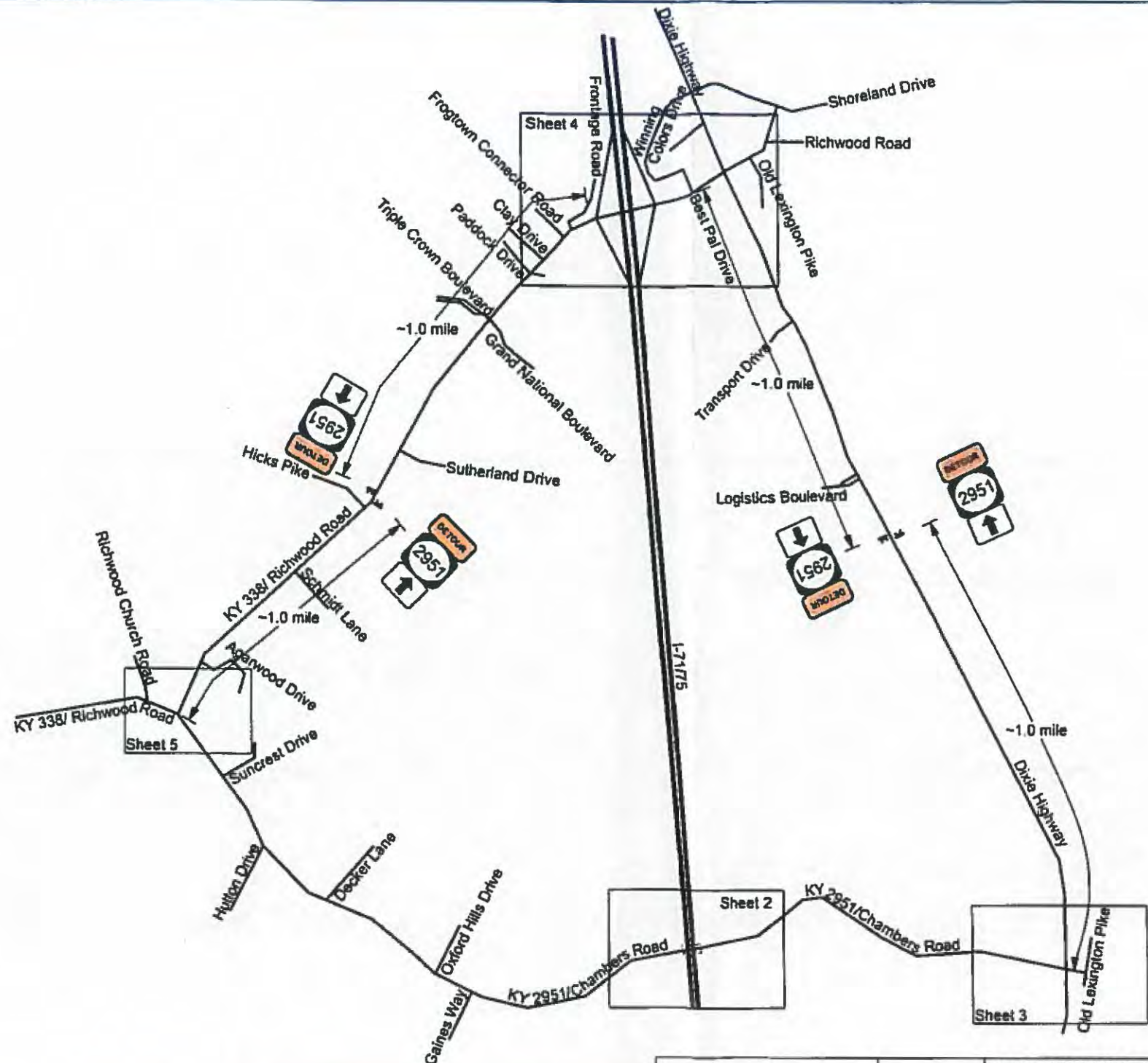


PROFILE FOR ILLUSTRATIVE PURPOSES ONLY.
TO BE UPDATED.

REVISIONS

PROFILE VIEW
HORIZONTAL SCALE: 1"=50'
VERTICAL SCALE: 1"=10'

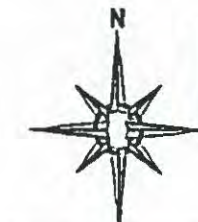
DECEMBER 13, 2016



APPROVED

MAY 02 2017

KYTC District 6



Legend

☒ Work Area

Matthew High
 KYTC TEBWD
 4/5/17

ATSSA AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION
SAFETY. SERVICE. SOLUTIONS.

This is to affirm that
John McCarty
 has satisfied the requirements
 to be designated as a
CERTIFIED TRAFFIC CONTROL SUPERVISOR
 Cert # 356762
 Issue Date 11/07/2013
 Expiration Date 03/27/2017
 Certification Board

STATE OF KENTUCKY
 John Patrick McCarty
 30294
PROFESSIONAL ENGINEER

John Patrick McCarty
 Digitally signed by John Patrick McCarty
 Date: 2016.10.19 21:42:38 -0400



Date: 10/19/2016 **Author:** J. McCarty **Project:** Big Bone Pipeline - Chambers Road - Richwood, KY
Customer: Duke Energy **Designer:** J. McCarty

Comments:
 Type of Road: Rural Road
 Traffic Volume: Light

All signs & devices shall be placed in accordance with the latest provisions of Kentucky Department of Highways-Standard Drawings Manual & Kentucky Transportation Cabinet (KYTC) with respect to any applicable provisions from Federal Highways Administration (FHWA).

PLANS ARE NOT TO SCALE

Sheet 1 of 6