

TRANSPORTATION CABINET Frankfort, Kentucky 40622 www.transportation.ky.gov/

Michael W. Hancock, P.E. Secretary

Steven L. Beshear Governor

August 20, 2014

CALL NO. 313 CONTRACT ID NO. 141043 ADDENDUM # 2

Subject: Marion County, FD04 SPP 078 0049 013-016 Letting August 22, 2014

(1) Revised/Added - US Dept of Army Nationwide Permit - Pages 22-23(n) of 109

Proposal revisions are available at http://transportation.ky.gov/Construction-Procurement/.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

liana Castle baddiffe

Diana Castle Radcliffe Director Division of Construction Procurement

DR:ks Enclosures



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ΝΟΤΙΟΕ

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS INDIVIDUAL PERMIT/LETTER OF PERMISSION AUTHORIZATION KENTUCKY DIVISION OF WATER INDIVIDUAL 401 WQC

PROJECT: Marion County, Item No. 4-8304

The Section 404 activities for this project have been permitted under the authority of the Department of the Army Nationwide Individual Permit via a Letter of Permission and Kentucky Division of Water Individual Permit. Impacts shall be limited to those listed within the attached permits and all conditions shall be followed.

If there is need to cross the stream channel with heavy equipment or conduct work from within the stream channel a working platform or temporary crossing is authorized. This should be constructed with clean rock and sufficient pipe to allow stream flow to continue unimpeded.

In order for this authorization to be valid, the attached conditions must be followed. The contractor shall post a copy of this approval in a conspicuous location at the project site for the duration of construction and comply with the general conditions as required.

To more readily expedite construction, the contractor may elect to alter the design or perform the work in a manner different from what was originally proposed and specified. Prior to commencing such alternative work, the contractor shall obtain **written** permission from the Division of Construction and the Division of Environmental Analysis. If such changes necessitate further permitting then the contractor will be responsible for applying to the Army Corps of Engineers and the Kentucky Division of Water (KDOW). A copy of any request to the Corps of Engineers or the KDOW to alter this proposal and subsequent responses shall be forwarded to the Division of Environmental Analysis, DA Permit Coordinator, for office records and for informational purposes.



DEPARTMENT OF THE ARMY

U.S. ARMY ENGINEER DISTRICT, LOUISVILLE CORPS OF ENGINEERS P.O. BOX 59 LOUISVILLE KY 40201-0059 FAX: (502) 315-6677 http://www.lrl.usace.army.mil/ Page 23 of 109 21 JUL '14 AM10:03

REVISED: 8-19-14

Contract ID: 141043

July 17, 2014

Operations Division Regulatory Branch (South) ID No. LRL-2014-141

Mr. David Waldner Director Kentucky Transportation Cabinet Division of Environmental Analysis 200 Mero Street Frankfort, Kentucky 40622

Dear Mr. Waldner:

This is in regard to your application for a Department of the Army (DA) permit dated June 2, 2014, concerning a plan to relocate the unnamed tributaries into box and pipe culverts and ditches to facilitate the realignment of KY 49 (KYTC Item No. 4-8304) near Lebanon, in Marion County, Kentucky. We have reviewed your application and submitted information and have made the following determinations: the work is minor in nature, will not have a significant impact on the environment and should encounter no opposition.

Based on these determinations, your proposed work satisfies the Letter of Permission (LOP) criteria, as specified in our regulations and the procedures outlined in the LOP No. 200600259-pgj, issued on October 3, 2007. Therefore, you are authorized, in accordance with Section 404 of the Clean Water Act (CWA), to fill a total of 3,556 linear feet of stream. The impacts associated with the roadway realignment would include 371 linear feet of ephemeral stream, 2,711 linear feet intermittent stream and 474 linear feet of perennial stream. The mitigation required for the stream impacts would be 1,964 Adjusted Mitigation Units (AMU's). Impacts would occur within Caney Creek, and unnamed tributaries of Caney Creek. The work that is authorized by this LOP will also be subject to the attached General Conditions and the following Special Conditions:

- The project shall be constructed in accordance with plans included in the June 2, 2014, application for Kentucky Transportation Cabinet, Item No. 5-0395 for Department of the Army Permit.
- The permittee shall install and maintain adequate erosion/sedimentation controls around all disturbed earthen areas until such time as those areas have been stabilized and revegetated.

- 3) The permittee shall provide to this office receipt from the Kentucky Department of Fish and Wildlife Resources Stream and Wetland Mitigation Trust Fund for purchase of credits to offset 1,664 AMUs for stream impacts. Purchase of credits must be made prior to the discharge of fill into "waters of the United States". Inquiries regarding credit purchase may be made directly to KDFWR by calling Mr. Mike Hardin (502) 564-7109 ext. 4471, by email at: <u>mike.hardin@ky.gov</u>, or in writing at: Assistant Director, Division of Fisheries #1 Sportsman's Lane, Frankfort, Kentucky, 40601.
- 4) The permittee shall adhere to the Indiana Bat Programmatic Agreement as outlined in the Memorandum of Agreement between the Federal Highways Administration, U.S. Fish and Wildlife Service-Kentucky Field Office and Kentucky Transportation Cabinet.
- 5) The time limit for completing the work authorized ends on July 15, 2019. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least 1 month before the above date is reached.
- 6) Upon completion of construction, you are to notify the District Engineer. The enclosed Completion Report form must be completed and returned to this office.

For your information, effective March 9, 1999, the Corps of Engineers instituted an administrative appeals process. A permit applicant may appeal an individual permit denial or an individual permit that was issued with conditions (a proffered individual permit). To initiate the appeals process regarding the terms and conditions of this permit, you must write a letter to the district engineer explaining your objections to the permit. The enclosed Notification of Applicant Options (NAO) outlines the initial appeals process and options available to you. The objection letter must be received by the District Engineer within 60 days of the date of the NAO. Please be aware that no work can occur in jurisdictional waters until the appeals process is completed.

This authorization will be effective as soon as we receive your signed acceptance of these conditions. Please sign and date the duplicate copy of this letter in the space provided and return the signed copy in the enclosed envelope. Note that we also perform periodic inspections to ensure compliance with our permit conditions and appropriate Federal laws. Copies of this letter will be sent to the appropriate coordinating agencies (see enclosure for addresses).

FOR THE DISTRICT ENGINEER:

Todd Hagman Project Manager Regulatory Branch

Enclosures

(I accept the conditions of this authorization):

Kentucky Transportation Cabinet

7/21/14-Date

GENERAL CONDITIONS

1. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

2. If you discover any previously unknown historic or

archaeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

3. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this authorization.

4. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of the authorization.

Further Information:

1. Limits of this authorization.

a. This authorization does not obviate the need to obtain other Federal, state, or local authorizations required by law.

b. This authorization does not grant any property rights or exclusive privileges.

c. This authorization does not authorize any injury to the property or rights of others.

d. This authorization does not allow or sanction interference with any existing or proposed Federal project.

2. Limits of Federal Liability. In issuing this authorization, the Federal Government does not assume any liability for the following:

a. Damages to authorized project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the authorized project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the authorized activity.

d. Design or construction deficiencies associated with the authorized work.

e. Damage claims associated with any future modification, suspension, or revocation of this authorization.

3. Reliance on Applicant's Data: The determination of this office that issuance of this authorization is not contrary to the public interest was made in reliance on the information you provided.

4. Reevaluation of Permit Decision. This office may reevaluate its decision on this authorization at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this authorization.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 3 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your authorization and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

5. Good Faith Transfer. If you sell the property associated with this authorization, you must have the new owner submit a statement accepting the transfer and agreement with the terms and conditions.

US ARMY CORPS OF ENGINEERS LOUISVILLE DISTRICT REGULATORY BRANCH P. O. BOX 59 LOUISVILLE, KY 40201-0059 (502) 315-6733

COMPLETION REPORT

COE ID No.	LRL-2014-141	Date		
Permittee Name: _ Corporate Name:_ Address:				
Telephone No.	City	State	Zip Code	
Agent Name: Corporate Name: Address:				
Telephone No.	City	State	Zip Code	
Location Description:				
	State			
Linear Feet of Stream Impact: Acres of Wetland Impact: Has all the work on this project been completed according to plans, specifications, and conditions of the permit? Yes No				
If not, explain:				
	······			
		Permittee Signature		

9. integr

SPLKINKING!

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NOTIFICATION OF ADMINISTRATIVE APPEAL OPTIONS AND PROC REQUEST FOR APPEAL	CESS AND			
Applicant: Kentucky Transportation Cabinet File Number: LRL-2014-141	Date: 07/17/2014			
Attached is:	See Section below			
X INITIAL PROFFERED PERMIT (Standard Permit or Letter of permission)	A			
PROFFERED PERMIT (Standard Permit or Letter of permission)	В			
PERMIT DENIAL	С			
APPROVED JURISDICTIONAL DETERMINATION	D			
PRELIMINARY JURISDICTIONAL DETERMINATION	E			
 SECTION I - The following identifies your rights and options regarding an administrative decision. Additional information may be found at http://usace.army.mil/inet/functions/cw/Corps regulations at 33 CFR Part 331. A: INITIAL PROFFERED PERMIT: You may accept or object to the permit. 	appeal of the above /cecwo/reg or			
 ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the dis authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entire to appeal the permit, including its terms and conditions, and approved jurisdictional determinations asso OBJECT: If you object to the permit (Standard or LOP) because of certain terms and conditions therein the permit be modified accordingly. You must complete Section II of this form and return the form to the Your objections must be received by the district engineer within 60 days of the date of this notice, or you to appeal the permit in the future. Upon receipt of your letter, the district engineer will evaluate your object to modify the permit to address all of your concerns, (b) modify the permit to address some of your object to the permit should be issued as previously written. After evaluating you district engineer will send you a proffered permit for your reconsideration, as indicated in Section B below. 	authorized. Your ety, and waive all rights ociated with the permit. a, you may request that e district engineer. u will forfeit your right opections and may: (a) tons, or (c) not modify our objections, the			
 B: PROFFERED PERMIT: You may accept or appeal the permit ACCEPT: If you received a Standard Permit, you may sign the permit document and return it to the district engineer for final authorization. If you received a Letter of Permission (LOP), you may accept the LOP and your work is authorized. Your 				
 signature on the Standard Permit or acceptance of the LOP means that you accept the permit in its entirety, and waive all rights to appeal the permit, including its terms and conditions, and approved jurisdictional determinations associated with the permit. APPEAL: If you choose to decline the proffered permit (Standard or LOP) because of certain terms and conditions therein, you may appeal the declined permit under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice. 				
C: PERMIT DENIAL: You may appeal the denial of a permit under the Corps of Engineers Adminis by completing Section II of this form and sending the form to the division engineer. This form must be rece engineer within 60 days of the date of this notice.	trative Appeal Process ived by the division			
D: APPROVED JURISDICTIONAL DETERMINATION: You may accept or appeal the provide new information.	e approved JD or			
• ACCEPT: You do not need to notify the Corps to accept an approved JD. Failure to notify the Corps w date of this notice, means that you accept the approved JD in its entirety, and waive all rights to appeal				
• APPEAL: If you disagree with the approved JD, you may appeal the approved JD under the Corps of Engineers Administrative Appeal Process by completing Section II of this form and sending the form to the division engineer. This form must be received by the division engineer within 60 days of the date of this notice.				
E: PRELIMINARY JURISDICTIONAL DETERMINATION: You do not need to response regarding the preliminary JD. The Preliminary JD is not appealable. If you wish, you may approved JD (which may be appealed), by contacting the Corps district for further instruct provide new information for further consideration by the Corps to reevaluate the JD.	y request an			

SECTION II - REQUEST FOR APPEAL or OBJECTIC	ONS TO AN INITIAL PROP	FERED PERMIT		
REASONS FOR APPEAL OR OBJECTIONS: (Describe your reasons for appealing the decision or your objections to an initial proffered permit in clear concise statements. You may attach additional information to this form to clarify where your reasons or objections are addressed in the administrative record.)				
ADDITIONAL INFORMATION: The appeal is limited to a review record of the appeal conference or meeting, and any supplemental				
clarify the administrative record. Neither the appellant nor the Cor	ps may add new information or ar	alyses to the record. However,		
you may provide additional information to clarify the location of in POINT OF CONTACT FOR OUESTIONS OR INFOR	and the second	iministrative record.		
If you have questions regarding this decision and/or the appeal process you may contact:	If you only have questions regard also contact:	ding the appeal process you may		
Todd Hagman	U.S. Army Corps of Engineers			
US Army Corps of Engineers – Louisville District PO Box 59	ATTN: Appeal Review Officer (550 Main Street, Room 10524	CELRD-PD-REG		
Louisville, KY 40201-0059 (502) 315-6683	Cincinnati, OH 45202-3222 TEL (513) 684-6212; FAX (513)) 684-2460		
RIGHT OF ENTRY: Your signature below grants the right of entry to Corps of Engineers personnel, and any government consultants, to conduct investigations of the project site during the course of the appeal process. You will be provided a 15 day				
notice of any site investigation, and will have the opportunity to pa				
		Telephone number:		
Signature of appellant or agent.				

STEVEN L. BESHEAR GOVERNOR



ADDED: 8-19-14 Contract ID: 141043 Page 23(h) of 10 9

LEONARD K. PETERS SECRETARY

ENERGY AND ENVIRONMENT CABINET

DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER 200 FAIR OAKS LANE, 4TH FLOOR FRANKFORT, KENTUCKY 40601 <u>www.kentucky.gov</u>

May 28, 2014

David Waldner, Director Kentucky Transportation Cabinet Division of Environmental Analysis 200 Mero Street, 5th Floor Frankfort, KY 40622

> Re: Water Quality Certification #2014-028-1 KY 49 - Marion Co KYTC Item No. 4-8304 AI No.: 6099 Activity ID: APE20140001 Marion County, Kentucky

Dear Mr. Waldner:

Pursuant to Section 401 of the Clean Water Act (CWA), the Commonwealth of Kentucky certifies it has reasonable assurances that applicable water quality standards under Kentucky Administrative Regulations Title 401, Chapter 10, established pursuant to Sections 301, 302, 303, 304, 306, and 307 of the CWA, will not be violated by the above referenced project provided that the U.S. Army Corps of Engineers authorizes the activity under 33 CFR part 330, and the attached conditions are met.

All future correspondence on this project must reference **AI No. 6099**. The attached document is your official Water Quality Certification; please read it carefully. If you should have any questions concerning the conditions of this water quality certification, please contact James Bicknell of my staff by calling (502) 564-3410.

Sincerely,

Adam Jackson, Supervisor Water Quality Certification Section Kentucky Division of Water

AJ:JB

Cc: Danny Peake, KYTC DEA Lee Anne Devine, USACE: Louisville District



MARION COUNTY FD04 SPP 078 0049 013-016 ADDED: 8-19-14 Contract ID: 141043 Page 23(i) of 109 MARION COUNTY FD04 SPP 078 0049 013-016

KTC Water Quality Certification

KY 49 - Marion Co Facility Requirements Permit Number:WQC#2014-028-1 Activity ID No.: APE20140001

ACTV000000001 (KYTC 4-4380) KY49 Marion Co.:

Submittal/Action Requirements:

 Condition

 No.
 Condition

 S-1
 The Kentucky Transportation Cabinet (KYTC) shall submit notification: Due prior to any construction activity to the Kentucky Division of Water (KDOW), Water Quality Certification (WQC) Section. Notification shall confirm the purchase of a minimum of 3422 Adjusted Mitigation Units (AMU's), due to the permanenent intermittent and perennial stream impacts associated with this project, from the Kentucky Department of Fish and Wildlife Resources Stream and Wetland Restoration Fund (KDFWR). The U.S. Army Corps of Engineers (USACE) may require a different mitigation amount. [Clean Water Act]

 S-2
 The KYTC must notify the Division: Due prior to any construction activity. Notify the WQC Section of the KDOW at (502) 564-3410 at least two weeks prior to construction. [Clean Water Act]

 s-2
 The KYTC must notify the Division: Due prior to any construction activity. Notify the WQC Section of the KDOW at (502) 564-3410 at least two weeks prior to construction. [Clean Water Act]

S-3 The KYTC must notify the Division: Due when construction is complete. Notify the WQC Section of the KDOW at (502) 564-3410 no later than two weeks post-construction. [Clean Water Act]

Narrative Requirements:

Condition No.	Condition
T-1	The work approved by this certification shall be limited to: - the loss of 371 linear feet of ephemeral stream channel (Stations 139+43, 179+67, 185+48, 213+90, 221+99)) due to culvert construction. - the loss of 2711 linear feet of intermittent stream channel (Stations 129+40, 133+40, 137+46, 150+18, 152+38, 158+63, 192+50, 197+55,210+00-222+00) due to culvert construction. - the loss of 474 linear feet of perennial stream channel (Stations 109+15, 169+50, 206+00) due to culvert construction. [Clean Water Act]
T-2	All work performed under this certification shall adhere to the design and specifications set forth in the application package titled "KY49-Marion County, Item No. 4-8304," recieved by the KDOW on February 21, 2014. [Clean Water Act]
T-3	The KYTC is responsible for preventing degradation of waters of the Commonwealth from soil erosion. An erosion and sedimentation control plan must be designed, implemented, and maintained in effective operating condition at all times during construction. [Clean Water Act]
T-4	The Division of Water reserves the right to modify or revoke this certification should it be determined that the activity is in noncompliance with any condition set forth in this certification. [Clean Water Act]

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Page 1 of 2

MARION COUNTY FD04 SPP 078 0049 013-016 ADDED: 8-19-14 Contract ID: 141043 Page 23(k) of 109

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KTC Water Quality Certification KY 49 - Marion Co Facility Requirements Darmit Number:WOC(20014.028.1

Facility Requirements Permit Number:WQC#2014-028-1 Activity ID No.: APE20140001

ACTV000000001 (continued):

Narrative Requirements:

Condition
No.ConditionT-5If construction does not commence within two years of the date of this letter, this certification will become void. A letter requesting a renewal should be submitted.
[Clean Water Act]T-6Other permits from the Division of Water may be required for this activity. If this activity occurs within a floodplain, a Permit to Construct Across or Along a
Stream may be required. Please contact Todd Powers (502-564-3410) for more information. If the project will disturb one acre or more of land, or is part of a
larger common plan of development or sale that will ultimately disturb one acre or more of land, a Kentucky Pollution Discharge Elimination System (KPDES)
stormwater permit shall be required from the Surface Water Permits Branch. This permit requires the development of a Stormwater Pollution Prevention Plan
(SWPPP). The SWPPP must include erosion prevention and sediment control measures. Contact: Surface Water Permits Branch (SWPB) Support (502-564-3410
or SWPBSupport@ky.gov). [Clean Water Act]

T-7 Mitigation for impacts shall begin prior to or concurrently with impacts. [Clean Water Act]

T-8 Remove all sediment and erosion control measures after re-vegetation has become well-established. [Clean Water Act]



STEPHEN L. BESHEAR GOVERNOR

ENERGY AND ENVRONMENT CABINET

DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WATER 200 FAIR ÓAKS LANE FRANKFORT, KENTUCKY 40801 WWW.Kentlucky.gov LEONARD K PETERS SECRETARY

ATTENTION APPLICANT

If your project involves one or more of the following activities, you may need more than one permit from the Kentucky Division of Water. *building in a floodplain *road culvert in a stream *streambank stabilization *stream cleanout <u>*utility line crossing a stream</u> *construction sites an acre or more

• If the project will disturb one acre or more of land, or is part of a larger common plan of development or sale that will ultimately disturb one acre or more of land, a Kentucky Pollution Discharge Elimination System (KPDES) stormwater permit shall be required from the Operational Permits Section. This permit requires the creation of an erosion control plan.

Contact Allen Ingram.

- Projects that involve filling in the floodplain will require a stream construction permit from the Floodplain Management Section. Contact Todd Powers.
- Projects that involve work <u>IN</u> a stream, such as bank stabilization, road culverts, utility line crossings, and stream alteration will require a stream construction permit <u>and</u> a Water Quality Certification from the Water Quality Certification Section.

Contact Barbara Scott.

All three contacts listed above can be reached at 502/564-3410. A complete listing of environmental programs administered by the Kentucky Department for Environmental Protection is available from Pete Goodman by calling 502/564-3410.

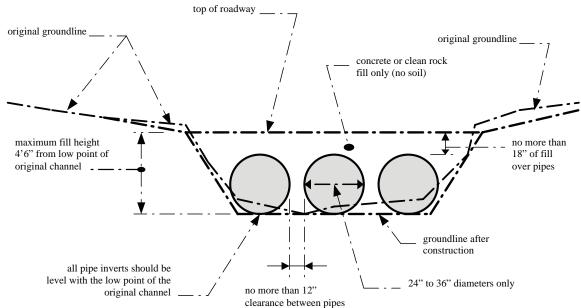


GENERAL CONDITIONS FOR WATER QUALITY CERTIFICATION

- 1. The Kentucky Division of Water may require submission of a formal application for an Individual Certification for any project if the project has been determined to likely have a significant adverse effect upon water quality or degrade the waters of the Commonwealth so that existing uses of the water body or downstream waters are precluded.
- Nationwide permits issued by the U.S. Army Corps of Engineers for projects in Outstanding State Resource Waters, Cold Water Aquatic Habitats, and Exceptional Waters as defined by 401 KAR 10:026 shall require individual water quality certifications.
- 3. Erosion and sedimentation pollution control plans and Best Management Practices must be designed, installed, and maintained in effective operating condition at all times during construction activities so that violations of state water quality standards do not occur.
- 4. Sediment and erosion control measures (e.g., check-dams, silt fencing, or hay bales) shall not be placed within surface waters of the Commonwealth, either temporarily or permanently, without prior approval by the Kentucky Division of Water's Water Quality Certification Section. If placement of sediment and erosion control measures in surface waters is unavoidable, placement shall not be conducted in such a manner that may cause instability of streams that are adjacent to, upstream, or downstream of the structures. All sediment and erosion control measures shall be removed and the natural grade restored prior to withdrawal from the site.
- 5. Measures shall be taken to prevent or control spills of fuels, lubricants, or other toxic materials used in construction from entering the watercourse.
- 6. To the maximum extent practicable, all in-stream work under this certification shall be performed during low flow.
- 7. Heavy equipment (e.g. bulldozers, backhoes, draglines, etc.), if required for this project, should not be used or operated within the stream channel. In those instances where such in-stream work is unavoidable, then it shall be performed in such a manner and duration as to minimize re-suspension of sediments and disturbance to the channel, banks, or riparian vegetation.
- 8. If there are water supply intakes located downstream that may be affected by increased turbidity, the permittee shall notify the operator when work will be performed.
- 9. Removal of existing riparian vegetation should be restricted to the minimum necessary for project construction.
- 10. Should stream pollution, wetland impairment, and/or violations of water quality standards occur as a result of this activity (either from a spill or other forms of water pollution), the Kentucky Division of Water shall be notified immediately by calling 800/564-2380.

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ATTACHMENT 1



NOTES:

This is a conceptual drawing. The number and size of pipes and other details will vary depending on specific site conditions.
 The pipes and backfill must be contained within the stream channel as shown above. During the construction of the approaches and access roadway across the floodplain, unstable and unconsolidated materials unsuitable for roadways may be excavated and replaced with riprap, crushed stone, or other stable road construction materials. This may only be done, however, with the following provisions: (1) the disposal of excess, unconsolidated materials thus excavated must be outside of the floodplain and (2) the finished surface of the completed road may be no more than three inches (3") above the pre-construction surface of the floodplain at any point beyond the top of banks.

LOW-WATER CROSSING

STANDARD DRAWING Not to Scale