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May 30, 2014

VIA E-MAIL & U.S. MAIL

Linda Faulkner  
Kentucky Public Service Commission  
P.O. Box 615  
211 Sower Boulevard  
Frankfort, KY 40602-0615

RECEIVED

JUN 2 2014

PUBLIC SERVICE  
COMMISSION


**Re: *Application of Navitas KY NG, LLC/Certificate of Public Convenience and Necessity for Its Pipeline Construction Work Plan in Clinton County, Kentucky***

Dear Linda:

The purpose of this letter is to follow up with supplemental information requested by the PSC Staff in the above-styled matter. Enclosed please find a copy of the Encroachment Permit pursuant to 807 KAR 5:001: Section 15(2)(b).

Again, I wanted to reiterate that it is urgent that Phase 1 construction of the pipeline within Albany begin on or about June 1, 2014 as part of this construction is being performed on or near public school grounds. The school year ends the last week of May and resumes again in late-August. It is anticipated that Phase 1 construction will take approximately 60 days, and it is, therefore, important to the public interest to achieve this construction phase prior to the commencement of the new school year in the Fall. Thank you very much for your consideration and your willingness to expedite this process.

Sincerely yours,



Klint W. Alexander, Esq.

Enclosures

cc: Thomas Hartline

N KWA 1332897 v1  
0-0 05/30/2014



**TRANSPORTATION CABINET**

Department of Highways District 8 Office  
1660 S. Highway 27  
Somerset, KY 42502  
(606) 677-4017

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Secretary

Navitas Utility Corporation  
3186D Airway Avenue  
Costa Mesa, CA 92626

**RECEIVED**

JUN 2 2014

PUBLIC SERVICE  
COMMISSION

Subject: Clinton County  
US 127  
MP 027-0127-8.70  
Permit A08-2014-00225

Dear Sir:

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

You are to shape and seed any disturbed areas on the State's right of way. All work and materials are to comply with the Department's Standard Specification for Road and Bridge Construction- 2012 Edition. Signs, barricades, lights, etc. if required, are to be installed in accordance with the Manual on Uniform Traffic Control Devices.

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

Yours truly,

*Conley Moren*  
Conley Moren, P.E. 5-29-2014  
Traffic Permits Sections Supervisor Date  
District 8- Somerset

BN/TW/cm  
Attachments



An Equal Opportunity Employer M/F/D



Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

TC 99-1 (B)  
 1/2012  
 Page 1 of 1

**ENCROACHMENT PERMIT**

**KEPTS No.:** A08-2014-00225

**Permittee:** Navitas Utility Company

**Latitude:** 38.713481

**Longitude:** -85.134528

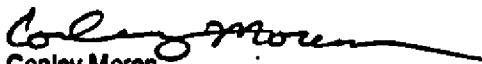
**Completion Date:** 6/1/2015

Coordinates provided on the TC 99-1(B) are the approved location for this permit

Indemnities		
Type	Amount Required	Tracking Number
Performance Bond	0	
Payment Bond	0	
Liability Insurance	0	

This permit has been:

APPROVED  DENIED

Conley Moren	Permit Section Supervisor
<hr/>	
<b>NAME</b>	<b>TITLE</b>
 Conley Moren	5/29/2014
<hr/>	
<b>SIGNATURE</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.



Kentucky Transportation Cabinet  
Department of Highways  
Permits Branch

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

APPLICATION FOR ENCROACHMENT PERMIT

<b>Permittee Information</b>		KYTC No. <b>08-2014-00225</b>	
Name	Navitas Utility Corporation	<b>Permit Information</b>	
Address	3186D Airway Avenue	Address	
City	Costa Mesa	City	Albany
State	CA Zip 92626	State	KY Zip
Phone#	714-242-4064	County	Clinton
Contact	Thomas Hartline	Route No.	US 127, US 127X Mile-Point See Attachment A KY 90
Phone	714-242-4064 Cell	Longitude (X)	See Attachment A
Email	thartline@navitasutility.com	Latitude (Y)	See Attachment A
Contact		<i>Information below to be filled out by KYTC</i>	
Phone	Cell	<input type="checkbox"/> Air Right	<input type="checkbox"/> Entrance
Email		<input checked="" type="checkbox"/> Utilities	<input type="checkbox"/> Other:
		Gas	
		<input checked="" type="checkbox"/> Left	<input type="checkbox"/> Right <input checked="" type="checkbox"/> X-Ing
		Access: <input type="checkbox"/> Full	<input checked="" type="checkbox"/> Partial <input type="checkbox"/> by Permit

General Description of Work:

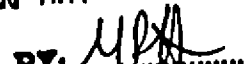
Contract 594-14-01 : 6" PE Gas Line  
(See attached Supplement "A" for locations.  
US 127X, US 127, KY 90 as per attached plans  
KY 90 - Installation of 6" PE Gas Line  
All--Polyethylene pipe and tubing furnished shall meet or exceed all applicable requirements of ASTM D 2513, "Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing, and Fittings".  
All-- Steel casing cover pipe at bores to meet latest 35,000 psi yield strength and 60,000 psi per AP6-SL, Grade B material.

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).

  
Signature

4-30-14  
Date

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.

RECEIVED  
MAY 05 2014  
BY: 



## 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.





Kentucky Transportation Cabinet  
Department of Highways  
Permits Branch

**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.



**KY Transportation Cabinet – District 8**  
Permit Number 08-2014-00225  
Initialed by cm

Applicant to place 6 inch poly ethylene gas pipe right of US 127X from mile point 4.500 to 5.191 and bore under US 127X with 50 feet of 12 inch steel encasement at mile point 5.191 as shown on attached plans and TC 99-10.

Applicant to place 6 inch poly ethylene gas pipe right of US 127 from mile point 8.700 to 11.049, bore under US 127 at mile point 9.6 with 180 feet of 12 inch steel encasement, place 6 inch poly ethylene gas pipe left of US 127 from mile point from 9.6 to 11.049 as shown on attached plans and TC 99-10. Applicant to coordinate with property owner Brian Young (270-566-2300), concerning excavation on US 127 right of way from McWhorter Road to property limits

Applicant to place 6 inch poly ethylene gas pipe right of US 127/ KY 90 from mile point 11.049 to 11.45 and bore under US 127/ KY 90 at mile point 11.45, and from US 127/ KY 90 mile point 11.45 to KY 90 mile point 4.7 as shown on attached plans and TC 99-10.

Applicant to bore under US 127X at mile point 5.85 with 130 feet of 12 inch steel encasement, KY 3156 at mile point 0.80 with 95 feet of 12 inch steel encasement, US 127 at mile point 11.656 with 150 feet of 12 inch steel encasement, KY 639 at mile point 8.09 with 60 feet of steel encasement, as per attached plans and TC 99-10.

Underground utility lines parallel to roadway to be placed a minimum of 42 inches from top of pipe to grade and backfilled as per Kentucky Department of Highways Standard Specifications for Road and Bridge Construction, 2012 edition.

As per attached plans, utility pipe, valves, taps, and additional hardware shall be constructed between back slope of ditch line or toe of slope and right of way line and shall have a minimum of 42 inch cover. All meters shall be located off KYTC right of way. No utility pipe is to be placed in the ditch line.

Note: Actual length of encasement pipe for each road bore shall be determined in the field to meet the requirements of the attached typical section.

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. The

encasement shall be 42 inches from the lowest point of the ditch line to the top of the encasement and extend past the ditchline.

The end of all encasement pipes shall be left uncovered until the Department of Highways is notified and field inspection is made. The encasement pipe shall be welded at all joints and be one continuous run of pipe.

All crossing of paved entrances, or public (county/ city) streets shall be bored unless negotiated otherwise with the property owner. Non paved entrances shall be restored to previous condition or better.

All work and materials shall meet or exceed the state specifications. Work area within the state's right of way shall be signed and flagged in accordance to the Manual on Uniform Traffic Control Devices before any work is to begin on the State's right of way.

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

Construction of the utility shall not interfere with any construction or maintenance operations by the Transportation Cabinet.

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

The applicant shall provide all necessary steps to contain all silting within the work area as specified in Section 212 and Section 213, Department's Standard Specifications for Road and Bridge Construction.

All disturbed portions of the right-of-way are to be restored to grass as per Kentucky Department of Highways Standard Specifications for Road and Bridge Construction, 2012 edition. A satisfactory turf, as determined by the Department, is to be established by the permittee prior to release of indemnity.

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

2 lbs. of seed mixture  
23 lbs. of 10-20-20 fertilizer  
150 lbs. of agricultural limestone

Applicant will be responsible to contact the Department of Highways D-8

**Permits Office at 606-677-4017 a minimum of 2 working days prior to beginning of permitted work.**

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



## ENCROACHMENT PERMIT GENERAL NOTES & SPECIFICATIONS

Permit No. 08-2014-00225

### I. SAFETY

#### A. General Provisions

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

#### B. Explosives

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

#### C. Other Safety Requirements

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

### II. UTILITIES \* Applies to Fully Controlled Access Highways ONLY

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

Permit No. \_\_\_\_\_

**II. UTILITIES (Continued)**

- Encasement pipe shall conform to current standards for highway crossings in accordance with the Permits Manual.
- Parallel lines shall be constructed between back slope of ditch line and right-of-way line and shall have a minimum of 42-inch cover above top of pipe or conduit.
- All pavement cuts shall be restored per 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:

**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](http://www.KEPSC.org)



Permit No. \_\_\_\_\_

**VI. Paving**

- No bituminous pavement shall be installed within the right of way between November 15 and April 1, nor when the temperature is below 40 degrees Farenheit, without the express consent of the Department. No bituminous pavement shall be installed when the underlying course is wet.
- Paving within the right of way shall be as follows:
  - Base (Type) \_\_\_\_\_ (Thickness) \_\_\_\_\_
  - Surface Base (Type) \_\_\_\_\_ (Thickness) \_\_\_\_\_
  - Finished Surface (Type) \_\_\_\_\_ (Thickness) \_\_\_\_\_
- Existing pavement and shouider 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 irregulanties, 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: \_\_\_\_\_ Name: \_\_\_\_\_
- To ensure proper surface drainage, the new pavement shall be flush with the edge of existing highway pavement and shall slope away from the existing edge of the pavement as specified in drawings.
- Existing edge of pavement shall be saw-cut to provide a straight end 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.l. test), shall be \* \_\_\_\_\_ feet in width, 6 inches in thickness across the bituminous entrence, and 4 inches in thickness across the remaining sections.
- Sidewalks shall have tooled joints not less than 1 inch in depth et 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 shell 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.

Permit No. \_\_\_\_\_

**VIII. DENSE GRADED SHOULDERS**

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

**IX. CURBING**

**A. Bituminous Curbs**

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

**B. Concrete Curbs**

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



Permit No. \_\_\_\_\_

**X. RIGHT-OF-WAY FENCE REPLACEMENT**

- The replacement fence shall be a height of at least 48 inches and shall be of sufficient density to contain all animals (if applicable).
  
- The replacement fence shall be a minimum of 1 foot and a maximum of 2 feet outside the right-of-way line.
- The fence materials and design shall meet accepted industry standards and be treated as paintable.
- The permittee shall be required to maintain the fence in a high state of repair.
- The existing fence shall be removed by permittee and stored at the Department's maintenance storage yard for future reuse by the Department.
- The control of access shall not be diminished as a result of replacement of the fence.
- Miscellaneous:

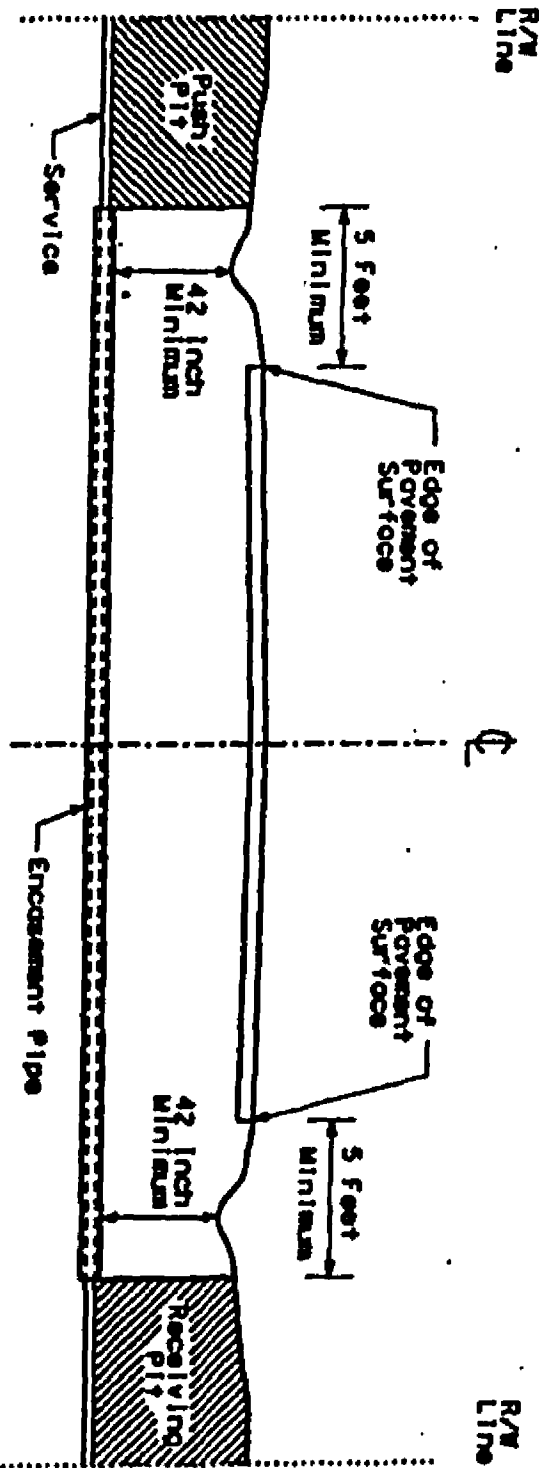
**NOTICE TO PERMITTEE**

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

Kentucky Transportation Cabinet  
 Department of Highways  
 Permits Branch

EXHIBIT B  
 TC 99-10  
 Rev. 9/2004

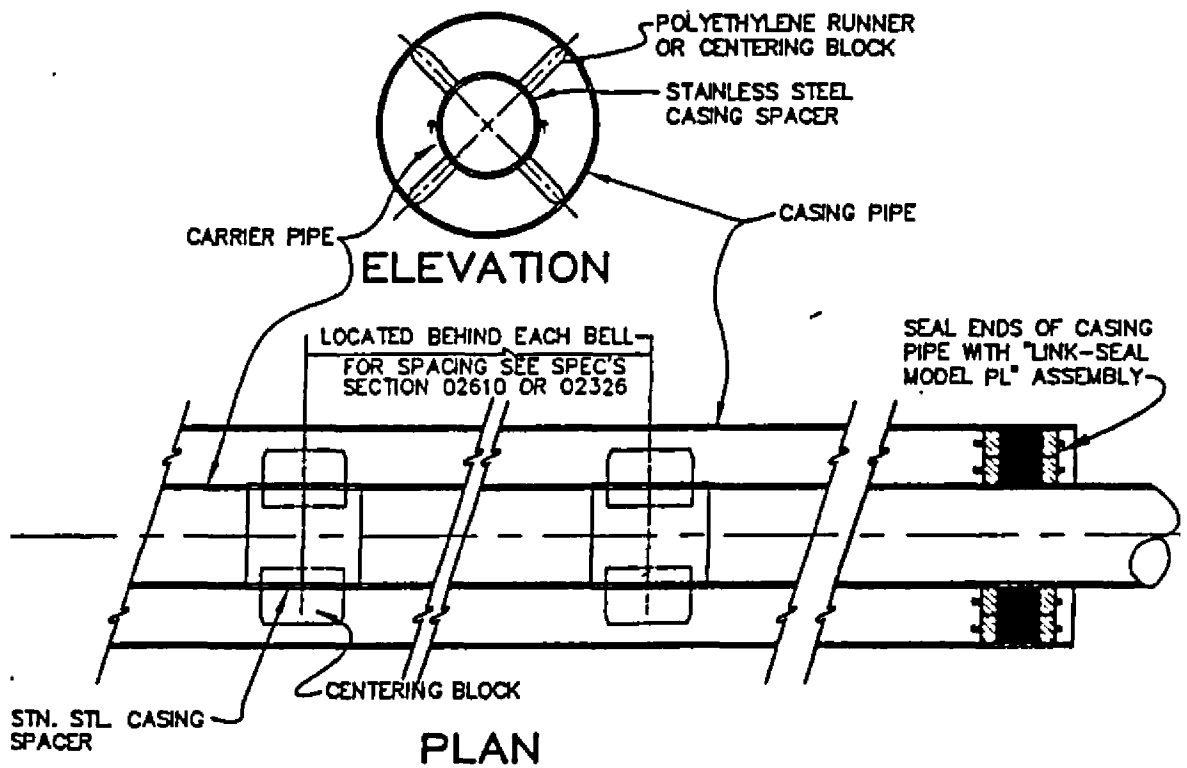
TYPICAL HIGHWAY BORING CROSSING DETAIL



Permit No. 08-2014-00225  
 Route No. All  
 Pavement Width \_\_\_\_\_

1. Push pit and Receiving pit shall be backfilled and thoroughly compacted.
2. All ditch lines are to remain open at all times.
3. Seed and straw all disturbed areas immediately after completing the work.
4. Provide traffic control as required to insure the safety of the traveling public in accordance with the current edition of the Manual on Uniform Traffic Control Devices.

ALL SERVICES OVER 2" IN DIAMETER SHALL REQUIRE ENCASEMENT.



**DETAIL**  
**CARRIER PIPE POSITIONING**  
**IN CASING PIPE**

NOT TO SCALE

**SUPPLEMENT A TO ENCROACHMENT PERMIT**  
**CONTRACT 594-14-01**  
**6" PE GAS LINE**  
**NAVATIUS UTILITY CORPORATION**  
**ALBANY, KENTUCKY**  
**February 2014**

LOCATION/ROAD	Sheet No.	Milepoint ± to Milepoint ±	Parallel L.F. ±	Cover Pipe/Bore L.F.	GPS Coordinates ±
US Route 127	7	8.70± to 9.60±	4752 ± L.F. of 6" PE Gas Line		Begin= Lat: 36°43'18.35" Long: 85°08'20.53" End= Lat: 36° 44' 06.18" Long: 85° 07' 59.74"
US Route 127	7	9.60±		180 L.F. of 12" x 0.250" Steel Cover Pipe/ bore	Begin= Lat: 36° 44' 06.18" Long: 85° 07' 59.74" End= Lat: 36° 44' 06.52" Long: 85° 08' 01.79"
US Route 127	7-8	9.60± to 11.10±	7920 ± L.F. of 6" PE Gas Line		Begin= Lat: 36° 44' 06.52" Long: 85° 08' 01.79" End= Lat: 36° 45' 16.17" Long: 85° 08' 19.64"
US Route 127	7	10.50±		60 L.F. of 12" x 0.250" Steel Cover Pipe/ bore	Begin= Lat: 36° 44' 46.85" Long: 85° 08' 09.97" End= Lat: 36° 44' 47.39" Long: 85° 08' 10.06"
US Route 127	8	11.10±		180 L.F. of 12" x 0.250" Steel Cover Pipe/ bore	Begin= Lat: 36° 45' 16.17" Long: 85° 08' 19.64" End= Lat: 36° 45' 17.71" Long: 85° 08' 19.37"
US Route 127	8	11.10± to 11.65±	2904 ± L.F. of 6" PE Gas Line		Begin= Lat: 36° 45' 17.71" Long: 85° 08' 19.37" End= Lat: 36° 45' 18.93" Long: 85° 08' 53.35"

LOCATION/ROAD	Sheet No.	Milepoint ± to Milepoint ±	Parallel L.F. ±	Cover Pipe/Bore L.F.	GPS Coordinates ±
US Route 127	8	11.65±		150 L.F. of 12" x 0.250" Steel Cover Pipe/ bore	Begin= Lat: 36° 45' 18.93" Long: 85° 08' 53.35" End= Lat: 36° 45' 19.12" Long: 85° 08' 54.82"

NOTE: 12" X 0.250" steel cover pipe to have 6" PE Gas Line Installed with pipe skids and end seals

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**February 2014**

LOCATION/ROAD	Sheet No.	Milepoint ± to Milepoint ±	Parallel L.F. ±	Cover Pipe/Bore L.F.	GPS Coordinates ±
US 127X (Old US 127)	6	4.50± to 5.20±	2640 ± L.F. of 6" PE Gas Line		Begin= Lat: 36°42'55.80" Long: 85° 08' 05.39" End= Lat: 36° 43' 14.81" Long: 85°08'07.51"
US 127X (Old US 127) at McWhorter Rd	6	5.20±		90 L.F. of 12" x 0.250" Steel Cover Pipe/ bore	Begin= Lat: 36° 43' 14.81" Long: 85° 08' 07.51" End= Lat: 36° 43' 14.85" Long: 85° 08' 08.12"
US 127X (Old US 127) at US 127 Bypass	7	5.85±		130 L.F. of 12" x 0.250" Steel Cover Pipe/ bore	Begin= Lat: 36° 43' 46.46" Long: 85° 08' 03.80" End= Lat: 36° 43' 47.32" Long: 85° 08' 02.79"

NOTE: 12" X 0.250" steel cover pipe to have 6" PE Gas Line installed with pipe skids and end seals

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**February 2014**

LOCATION/ROAD	Sheet No.	Milepoint ± to Milepoint ±	Parallel L.F. ±	Cover Pipe/Bore L.F.	GPS Coordinates ±
KY Route 3156	8	0.80±		95 L.F. of 12" x 0.250" Steel Cover Pipe/ bore	Lat: 36°45'01.47" Long: 85°08'10.39"

NOTE: 12" X 0.250" steel cover pipe to have 6" PE Gas Line installed with pipe skids and end seals

**SUPPLEMENT A TO ENCROACHMENT PERMIT**  
**CONTRACT 594-14-01**  
**6" PE GAS LINE**  
**NAVATIUS UTILITY CORPORATION**  
**ALBANY, KENTUCKY**  
**February 2014**

LOCATION/ ROAD	Sheet No.	Milepoint ± to Milepoint ±	Parallel L.F. ±	Cover Pipe/Bore L.F.	
KY 90	8-9	5.20± to ±3.70	7,920 ± L.F. of 6" PE Gas Line		Begin Lat: 36°45'18.78" Long: 85°08'54.40"  End Lat: 36°45'20.54" Long: 85°10'34.55"

NOTE: 12" X 0.250" steel cover pipe to have 6" PE Gas Line installed with pipe skids and end seals



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LOCATION/ROAD	Sheet No.	Milepoint ± to Milepoint ±	Parallel L.F. ±	Cover Pipe/Bore L.F.	GPS Coordinates ±
KY Route 639	9	8.09		60 L.F. of 12" x 0.250" Steel Cover Pipe/ bore	Lat: 36°45'19.35" Long: 85°09'42.98"

NOTE: 12" X 0.250" steel cover pipe to have 6" PE Gas Line installed with pipe skids and end seals

**SUPPLEMENT A TO ENCROACHMENT PERMIT**  
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LOCATION/ROAD	Sheet No.	Milepoint ± to Milepoint ±	Parallel L.F. ±	Cover Pipe/Bore L.F.	GPS Coordinates ±
KY Route 558	7	0.0±	0	90 L.F. of 12" x 0.250" Steel Cover Pipe/ bore	Lat: 36°44'28.11" Long: 85°08'05.52"

NOTE: 12" X 0.250" steel cover pipe to have 6" PE Gas Line installed with pipe skids and end seals