



Dominion

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**Construction Notice for the
Harvard Avenue New Sixteen-Inch
Installation of a High Pressure
Distribution Line**

**Ohio Power Siting Board
Case No. 11-2932-GA-BNR**

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technician SJM Date Processed MAY 10 2011

**Submitted by
Dominion East Ohio Gas Company**

CASE NO. 11-2932-GA-BNR
CONSTRUCTION NOTICE
HARVARD AVENUE NEW SIXTEEN-INCH
DISTRIBUTION LINE

The following information is being provided in accordance with the procedures delineated in Ohio Administrative Code Section 4906-11-02: Construction Notice Requirements of the Rules and Regulation of the Ohio Power Siting Board.

4906-11-02(B) GENERAL INFORMATION

4906-11-02(B)(1): Name of the project

The applicant is Dominion East Ohio Gas Company ("Dominion East Ohio"). The name of the project is the Harvard Avenue new sixteen-inch distribution line project (PIR-732) within the road right of way of Harvard Avenue, Cuyahoga Heights.

4906-11-02(B)(2): Brief description of the project

Dominion East Ohio plans to construct a new sixteen-inch distribution line and remove a segment of the +/- 300 feet of the existing twelve-inch high pressure distribution pipeline (L#3889). The pipeline runs south across Harvard Avenue from the existing gate valve #2896 located 27.7 feet east of the centerline of the Mittal Steel mill entrance and runs east within the sidewalk on the south side of Harvard Avenue to the east property line of Alcoa located at 1496 Harvard Avenue, Cuyahoga Heights, Ohio. The existing line is twelve-inch and will be removed and a new sixteen-inch mainline will be constructed in the same location along Harvard Avenue, via lift and lay construction method.

The existing twelve-inch pipeline is a coated steel pipeline. The new sixteen-inch pipeline will have a 0.375 wall thickness ("W"), grade X 52 high pressure pipeline that will be fusion bond epoxy (FBE) coated and cathodically protected with anodes. The design criteria will be for a Class 3 location. The pipeline will be designed for a

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Maximum Allowable Operating Pressure ("MAOP") of 216 pounds per square inch (psig) and will be hydrostatically tested in place to a minimum of 324 psig.

The new pipeline will be placed in road rights-of-way along Harvard Avenue, Cuyahoga Heights, Ohio. The entire existing twelve-inch main will be removed in order to accommodate the new sixteen-inch pipe.

The existing pipeline (L#3889) is 13 years old. The new pipeline will not be included as part of the Pipeline Infrastructure Replacement program. Both the old and new line has a MAOP of 216 psig.

The new pipeline will be placed in the same right-of-way location along Harvard Avenue, in the Village of Cuyahoga Heights.

The existing twelve-inch pipeline is owned, operated, and maintained by Dominion East Ohio. The proposed new sixteen-inch pipeline will also be owned, operated, and maintained by Dominion East Ohio. The pipeline installation within the corridor will be by permit of the Village of Cuyahoga Heights Engineer or officials. No permanent access roads are proposed for the project.

4906-11-02(B)(2): Why the Project Meets the Requirements for a Construction

Notice

This project meets the criteria listed in Appendix B of Ohio Administrative Code ("OAC") Rule 4906-1-01 for a construction notice. The gas line replacement project is +/- 300 feet of sixteen-inch HP distribution pipeline that will replace +/- 300 feet of the existing twelve-inch HP distribution pipeline (L#3889). Thus it meets the criteria of Appendix B(1)(a) because it is a new gas line that is less than one mile in length.

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In addition, the new pipeline will be located wholly within Dominion East Ohio's service area; Dominion East Ohio owns and operates the existing lines that will be replaced and will continue to own and operate the new pipeline. The primary purpose of the new segment will be to assure a constant natural gas supply to Dominion East Ohio's customers.

4906-11-02(B)(3): Need for the natural gas transmission line

The objective of this project is to provide adequate gas supply to Dominion East Ohio's existing approximately 40,000 customers in the Cleveland area to accommodate potential future load requirements.

The increase in diameter from twelve-inch pipeline to sixteen-inch pipeline will allow the Dominion East Ohio to maintain adequate pressure to the surrounding regulator stations as well as to the many existing industrial customers, including Charter Steel, Nook Industries, BP Oil Company, Mittal Steel, Alcoa and the Northeast Ohio Regional Sewer District.

4906-11-02(B)(4): Anticipated construction schedule, in-service date

Assuming that this Construction Notice is processed in accordance with OAC Code Rule 4906-5-02(B), Dominion East Ohio would begin construction in July of 2011 and place the line service by the fall of 2011.

4906-11-02(B)(5): Estimated capital cost

The high-level estimate for the new the sixteen-inch High Pressure gas main is approximately \$100,000.

4906-11-02(B)(6): Operating characteristics, number and types of required structures, land requirements

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MAOP: The proposed steel main will have a flow rate of 1,800 Mcf per hour and a velocity of 25 feet per second ("fps") at a temperature of 65 degrees Fahrenheit operating at a pressure of 190 psig in the summer. In the winter it will have a flow rate of 2,470 Mcf per hour and a velocity of 35 fps at a temperature of minus 13 degrees Fahrenheit operating at a pressure of 195 psig.

Pipe material: Coated steel will be the pipeline material. Coating will be fusion-bond epoxy, and will be direct buried.

Pipe dimensions and specifications: The proposed pipeline will be constructed of coated sixteen-inch nominal diameter, 0.375 W, X52 steel pipe. Cathodic protection for this distribution line will be provided by installation of magnesium anodes. The pipeline will be electrically insulated from any existing systems by installing insulating flanges. The adequacy of the protection will be monitored and tested through corrosion test stations.

Structures: No additional structures will be needed for this pipeline.

Rights-of-way, Land Requirements: No additional easements were required other than the Village of Cuyahoga Heights construction permit.

4906-11-02(B)(7): Map of pipeline showing centerline, instructions for locating, viewing the proposed facility

Attachment A is an area map of 1:450 scale that depicts the proposed new pipeline's centerline. The map shows streets, roads and highways. Attachment B provides written instructions for locating and viewing the proposed new pipeline.

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4906-11-02(B)(8): A list of properties for which the applicant has land rights

Currently applicant has a right-of-way from the Village of Cuyahoga Heights for the entire project and it will not be required to obtain new land rights for the proposed project as the installation will be placed within the Village owned road right-of-way.

4906-11-02(C) DOCUMENTATION OF CONSTRUCTION NOTICE

Dominion East Ohio representatives have informally contacted various city officials to inform them about this proposed pipeline. A copy of this Construction Notice is being provided concurrently to the following public officials of Cuyahoga County and Cuyahoga Heights who are listed on Attachment C.

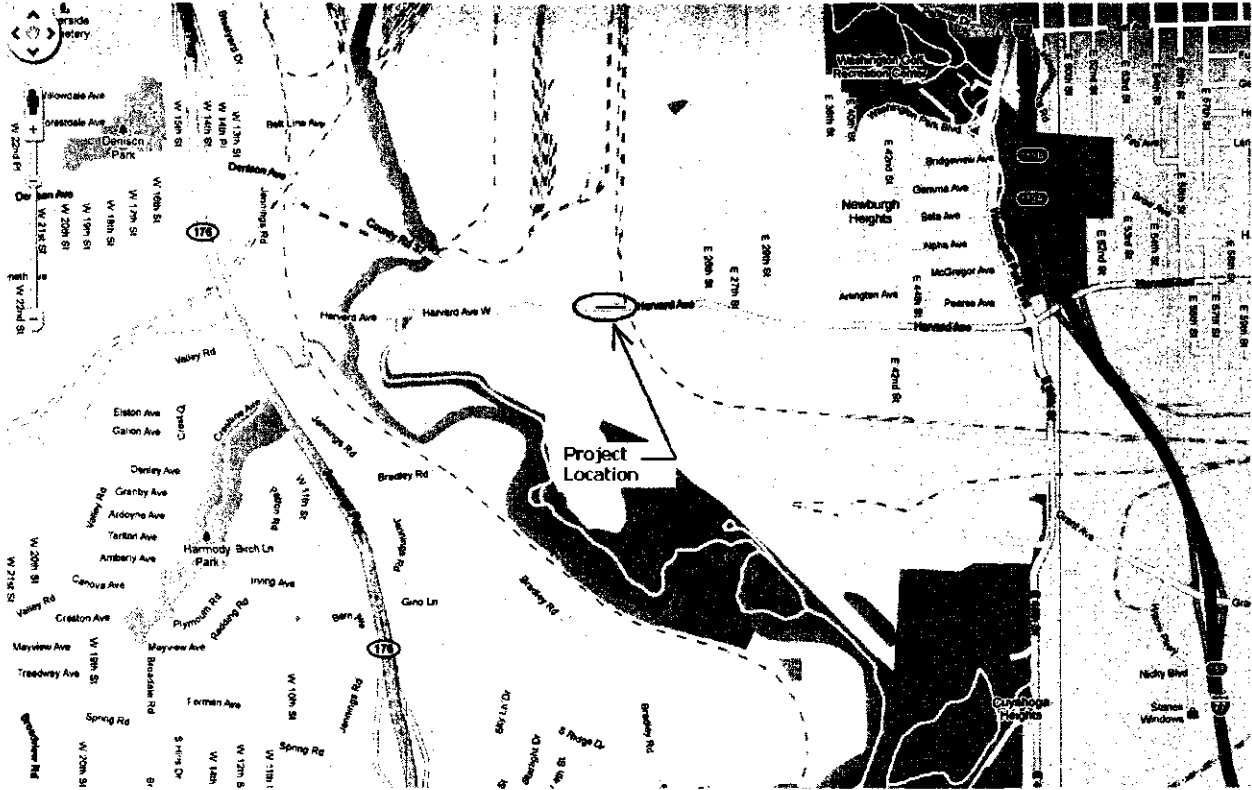
A copy of the transmittal letter submitting this Construction Notices on the same day that it was filed with the Ohio Power Siting Board is also attached as Attachment D.

A copy of the Ecological Assessment Letter Report pertaining to the presence of streams, wetlands, and any other sensitive resources is included as Attachment E.

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Attachment A

Map of Project Area



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Attachment B

DRIVING DIRECTIONS

Harvard Avenue

To access the project on Harvard Avenue, use the Harvard Avenue exit from I-77 and turn west. Continue on Harvard 1.0 miles. The entire project is on Harvard Avenue at or near #1600 Harvard Avenue, the Village of Cuyahoga Heights.

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Attachment C

List of Officials Who Received a copy of the Construction Notice (BNR).

Mayor Jack Bacci
Village of Cuyahoga Heights
4863 East 71st Street
Cuyahoga Heights, Ohio 44125

Ed FitzGerald
Cuyahoga County Executive
Office of County Executive
1219 Ontario Avenue
Cleveland, Ohio 44113

Scott Waldemarson
Service Director
7201 Canal Road
Cuyahoga Heights, OH

Paul Dey
Village Engineer
Bohning & Associates
7979 Hub Pkwy
Valley View, OH 44125

Paul A. Alsenas
Director
Cuyahoga County Planning Commission
323 Lakeside Avenue, Room 400
Cleveland, OH 44113

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Attachment D

Model transmittal letter to Local Public Officials enclosing the BNR.



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Sally W. Bloomfield
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sbloomf@bricker.com

May 10, 2011

[PUBLIC OFFICIAL]
[ADDRESS]
[ADDRESS]

Re: **Harvard Avenue sixteen-inch Distribution Line Replacement
Ohio Power Siting Board Case No. 11-2932-GA-BNR**

Dear :

Dominion East Ohio plans to remove +/- 300 feet of an existing twelve-inch high pressure distribution pipeline (L# 3889). The line runs on the north side of Harvard Avenue, crosses Harvard Avenue and the runs east along the south side of Harvard Avenue. The mainline project will begin on the north side of Harvard Avenue just east of the Mittal Steel Harvard Avenue entrance driveway. The project will cross Harvard Avenue and continue east to the west property line of the Newburg and South Shore Railroad, Cuyahoga Heights, Ohio.

The existing twelve-inch high pressure steel mainline will be removed to allow for the installation of the proposed sixteen-inch line.

The enclosed Construction Notice has been filed today with the Ohio Power Siting Board ("Board").

In accordance with the provisions of Ohio Administrative Code (OAC) Rule 4906-1-01, Appendix B, this project falls within the Board's requirements for a Construction Notice. Therefore, in compliance with OAC Rule 4906-11-02 of the Board's rules and regulations, we have prepared and filed the attached Construction Notice with the Board for their review and approval. These materials contain a description of the replacement pipeline.

If you have any questions or require additional information please call Mike Antonius at (330) 664-2481.

Sincerely,

Sally W. Bloomfield

Enclosure

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Attachment E

Ecological Assessment Letter Report

3 May 2011

Judith Box
Environmental Engineer
320 Springside Drive
Suite 320
Akron, OH 44333
Judith.Box@dom.com

Re: **East Ohio Gas Company
PIR 732- Harvard Avenue
Ecological Assessment Letter Report**

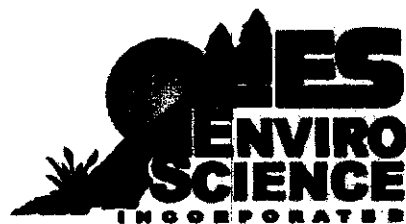
Dear Ms. Box:

On 28 April 2011, an EnviroScience biologist visited the above referenced site for an ecological assessment of the property to evaluate the site for the presence of streams, wetlands, and any other sensitive resources. No wetlands or streams were identified in the study area. A site map is included in Figure 1 (Attachment A) and site photographs are in Attachment B.

The purpose of the project is to replace approximately 300 feet of 12-inch diameter natural gas pipeline with 16-inch diameter pipeline. The property is located on Harvard Road west of the Newburgh & South Shore Railroad in Cuyahoga Heights, Cuyahoga County, Ohio. The segment of pipeline being replaced extends from just west of the railroad to a tie-in location approximately 300 feet west along Harvard Road. The project is located within the existing 60-foot-wide public road right-of-way (ROW) along Harvard Road. The project area consists of urban property and is surrounded on all sides by industrial facilities. No wetlands or streams exist at the site.

The study area is located on the Cleveland South quadrangle (Attachment A; Figure 2) of the 7.5-minute series USGS topographic maps. The landscape is generally flat with an elevation of approximately 670 feet above mean sea level (AMSL). The National Wetlands Inventory map (Cleveland South quadrangle) is shown on Figure 3 (Attachment A). No wetlands are depicted within the study area.

The soils map was accessed from the USGS web soils survey (data from the *Cuyahoga County Soil Survey, 1980*) and is shown on Figure 4 in Attachment A. One soil type is depicted within the study area. The entire site is depicted as Urban land (Ub); this soil type is non-hydric.



The federally listed species whose range includes Cuyahoga County are the federally endangered Indiana bat (*Myotis sodalis*), the federally endangered Kirtland's warbler (*Dendroica kirtlandii*), the federally endangered piping plover (*Charadrius melodus*), and the federal species of concern bald eagle (*Haliaeetus leucocephalus*). Living or dead trees with shedding or peeling bark or cavities may serve as roosting trees for the Indiana bat. No potential roosting trees were identified within the study area. Kirtland's warbler nests in jack pine stands. No habitat for Kirtland's warbler was observed on site. Preferred habitat for the piping plover is beaches along the shores of Lake Erie. No habitat for the piping plover exists within the study area. The bald eagle nests in large trees near water. No bald eagle habitat was observed within or adjacent to the study area.

No wetlands or streams were identified on the property and therefore no waterways 401/404 permitting will be necessary on order to complete this project. Please feel free to contact me at (330) 688-0111 with any further questions or concerns, or email me at tmiletti@enviroscienceinc.com.

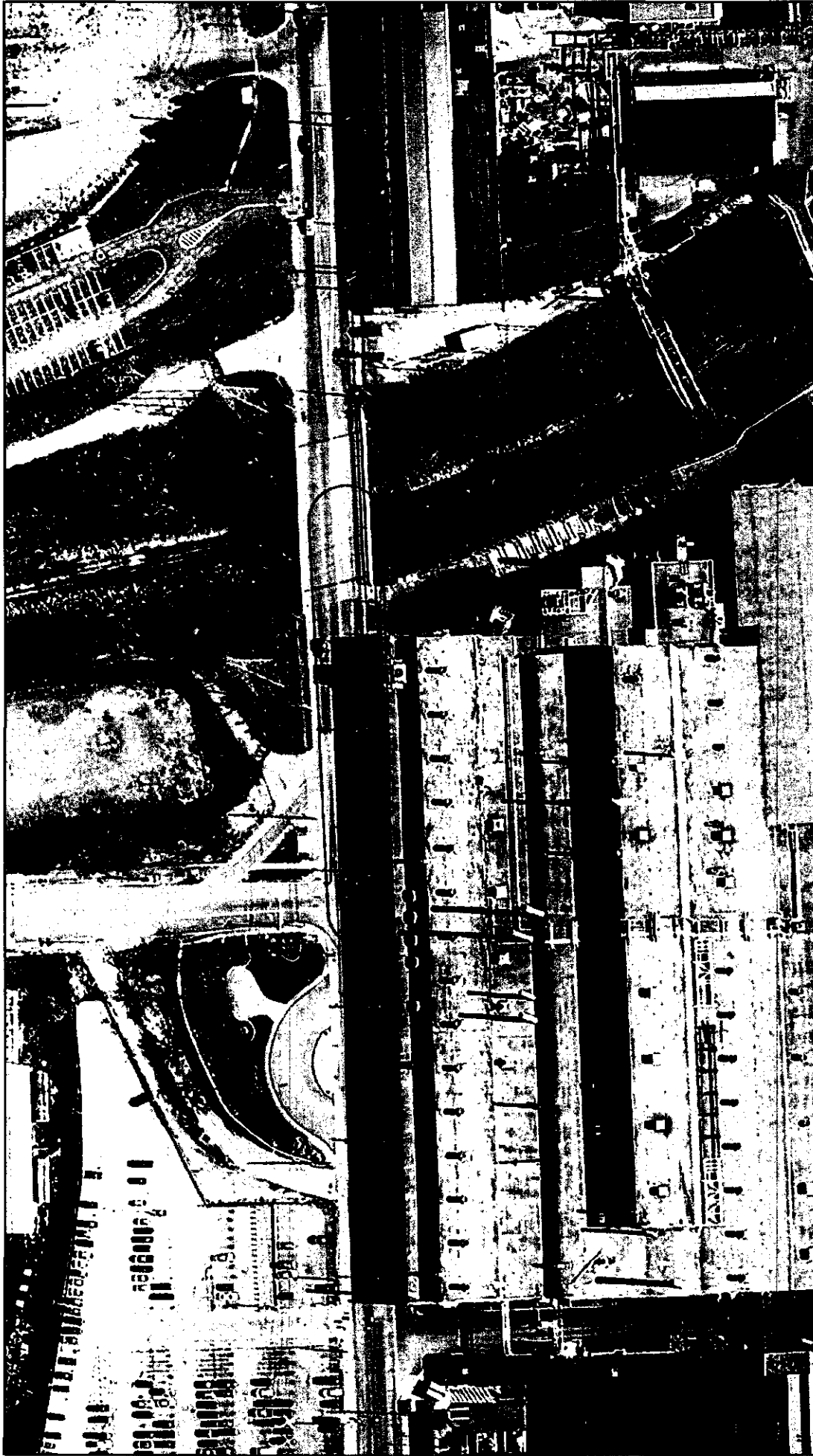
Respectfully,



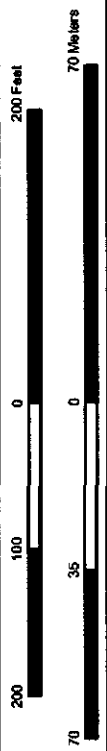
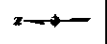
Tara Miletti
Wetland Biologist

enc: Attachments

Attachment A
Maps



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— Pipeline / ROW

Figure 1: Site Map of Project Area.
PIR - 732 Harvard Road.



AMES
 ENVIRONMENTAL
 SCIENCE
 CORPORATION

"Excellence in Ecological Monitoring"



1,500 Feet



500 Meters



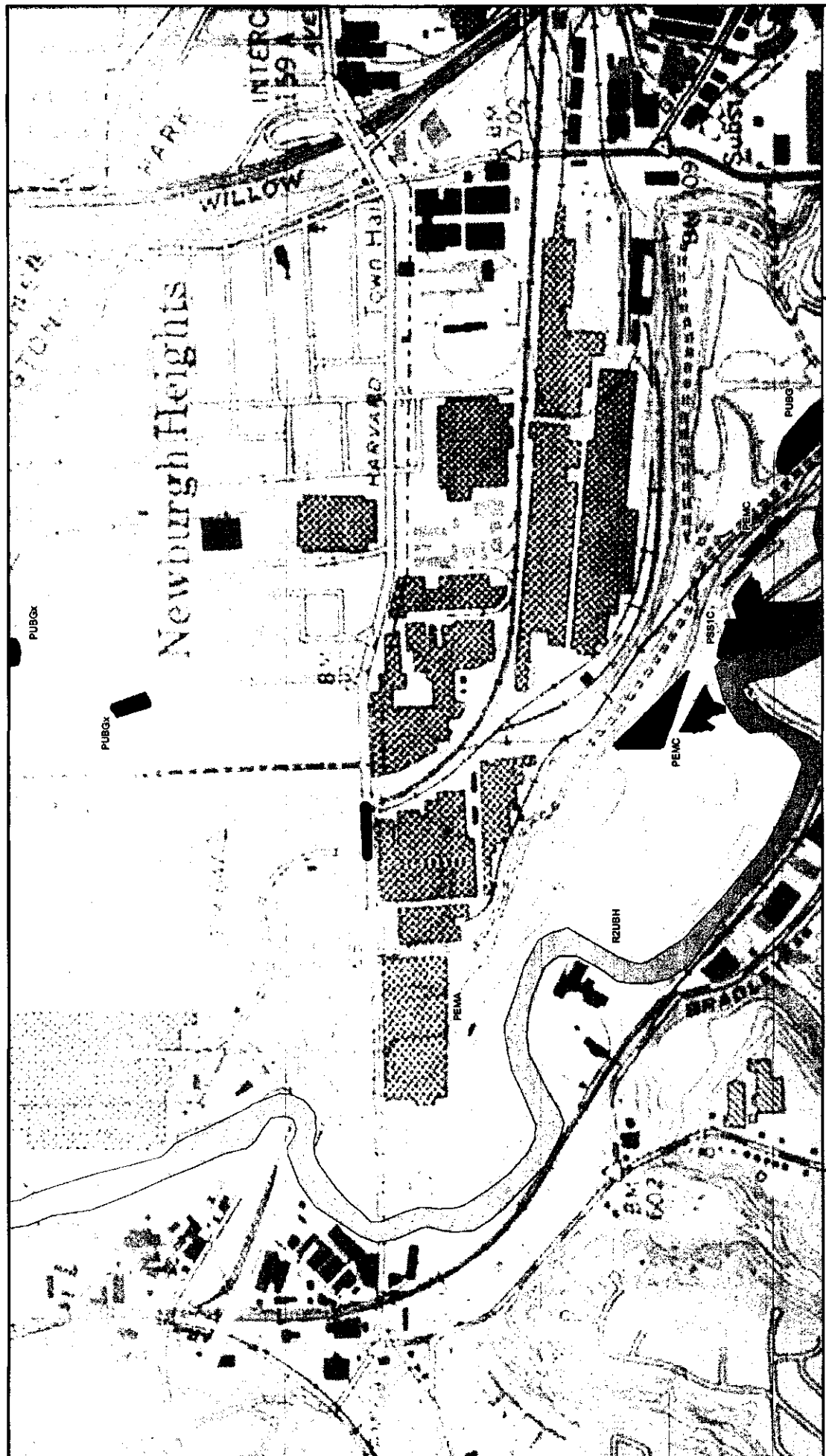
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Pipeline / ROW

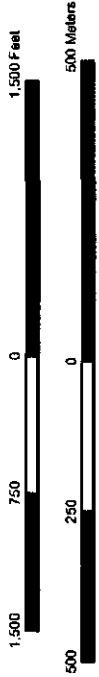


Figure 2: USGS 7.5-minute Topographic Map of Cleveland South Quadrangle, PIR - 732 Harvard Road.



■ Pipeline / ROW

Figure 3:
 NWI Map of Site (Cleveland South Quadrangle).
 PIR - 732 Harvard Road.



Pipeline / ROW

Figure 4:
 Soil Map of Site in Cuyahoga County, Ohio.
 PIR - 732 Harvard Road.

Attachment B
Photographs

PIR-732 Photo Sheet
Photographed 04/28/11



Photo 1. Western terminus of project area facing east down Harvard Road.



Photo 2. Eastern terminus of project area facing west down Harvard Road.

PIR-732 Photo Sheet
Photographed 04/28/11



Photo 3. Eastern terminus of project area facing west down Harvard Road.



Photo 4. Western terminus of project area facing west at the tie-in location.