

PUCO

Construction Notice For the E. 49th Street Inch High Pressure Installation (Canal Road to Willow Station) Distribution Line Replacement

Ohio Power Siting Board Case No. 10-1067-GA-BNR

Submitted by Dominion East Ohio Gas Company

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

4906-11-02 Construction Notice Requirements

(B) GENERAL INFORMATION

(1) Name of the project

The applicant is Dominion East Ohio Gas Company ("Dominion East Ohio").

The name of the project is the E. 49th Street high pressure replacement line project from Canal Road, Cuyahoga Heights, through Dominion East Ohio easement, Brooklyn Heights, Ohio to Dominion's Willow Station, Independence, Ohio.

- (2) Brief description of the project, including a map depicting the facility's location and reason why the project meets the requirements for construction notice
 - Dominion East Ohio plans to replace +/- 3,800 feet of the existing eighteen inch intermediate pressure distribution pipeline (L# 1811) and +/-3,800 feet of the existing parallel eighteen inch intermediate pressure pipeline (L# 6520). Each line runs north from the existing above ground Willow Station near 6015 E. Granger Road, Independence, Ohio and runs north across the Cuyahoga River, CSX Railroad and the Ohio-Erie Canal to Canal Road, in the Village of Cuyahoga Heights, Ohio. Each line then runs west along Canal Road to an existing Dominion East Ohio gating station located at the southwest corner of E. 49th and Canal Roads, in the Village of Cuyahoga Heights. The new 24" mainline installation (approximately 1,830 feet in length) will begin from Willow Station, near 6015 E Granger Road, Independence, Ohio and travel west through existing Dominion East Ohio Easements to 1400 Valley Belt Drive, Brooklyn

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

Heights Ohio. The mainline will then be reduced from 24" to 20" (approximately 1,300 feet) and be installed under CSX Railroad, the Cuyahoga River, the Ohio-Erie Canal via HDD Bore. The new installation will end at the existing Dominion East Ohio gating station located at the southwest corner of E. 49th and Canal Roads, in the Village of Cuyahoga Heights. The mainline will then transition from the 20" mainline) back to 24" mainline and be tied into the existing 24" mainline installed in 2009 (PIR-044).

- The existing two bare steel pipelines will be replaced with approximately 1,830 feet of a single twenty-four inch, 0.312 wall thickness ("W"), grade X 42 high pressure pipeline that will be fusion bond epoxy (FBE) coated and cathodically protected with anodes and approximately 1,300 feet of a twenty inch, 0.375 wall thickness ("W)", grade X52 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 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 pipe replacement will be placed in new and or existing easements located in soft cover. Except for a small portion of one existing pipe that will be removed in order to accommodate the new pipe, the old pipes will be left in place and capped. The new pipe will be placed within new or existing Dominion East Ohio easements and within the 49th Street Road right of way.

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

- Both the west side eighteen-inch pipe (L#1811) and the east side eighteen-inch pipe (L#5620) that will be replaced are between 60 and 70 years old, having various vintage years in the 1940s and 1950s. They are both bare steel and are eligible to be replaced as part of the Pipeline Infrastructure Replacement program. Each line currently has a MAOP of 99 psig.
- In general, the replacement pipeline will traverse within DEO easements behind a well developed, industrial street on which 23 businesses are also located. The proposed replacement pipeline ends at or near the south west corner of E. 49th and Canal Road in the Village of Cuyahoga Heights and will tie into the existing 24" High Pressure mainline installed in 2009.
- The existing eighteen-inch pipelines are owned, operated, and maintained by Dominion East Ohio. The proposed twenty-four-inch replacement 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.
- This project meets the requirements for a construction notice because it meets the criteria listed in Appendix B of Ohio Administrative Code ("OAC")

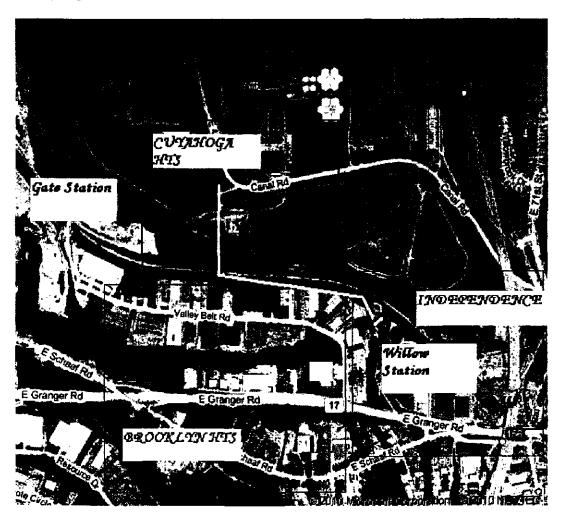
 Rule 4906-1-01. The gas line rerouting of a new gas transmission line project a replacement of an existing transmission line(s) which is not greater than 1 mile in length. This replacement fulfills the requirements of Appendix B:
 - (1) Rerouting or extension or new gas transmission line and associated facilities:

E, 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

- (a) Not greater than one mile in length.
- In addition, the replacement 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 replacement pipeline; and the primary purpose of the replacement segments will be to assure a constant natural gas supply to Dominion East Ohio's customers and will be eligible for recovery as part of the Pipeline Infrastructure Replacement program.
- Lastly, the Village of Cuyahoga Heights has expressed their interest and concern about the project as it relates to their roadway replacement and construction schedule. Attachment A is the letter from the Village Engineer stating need that Dominion East Ohio construct and complete the project by June 30, 2010 but Village project has been delayed so that this project will dovetail with the new timetable of the Village.

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

A map is provided below:



E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

(3) Need for the natural gas distribution line

- The objective of this replacement 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. In the winter, because these lines are also used as storage feeds, they can serve up to 50,000 60,000 customers.
- The increase in pressure from Intermediate Pressure to High Pressure gas of the twenty-four-inch replacement 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.
- Because the two existing pipes are 60 70 years old, they have required considerable maintenance and leak repairs in the last number of years. [For accounting purposes, the useful life (based on depreciation) of steel pipe is 55.87 years.] In 2008 and 2009 Dominion East Ohio was compelled to replace portions of one line. There will be savings to Dominion East Ohio's customers from the substantial maintenance expense attributable to these lines when the new pipeline is constructed. Moreover, the new line will meet all the safety standards that have been enacted since the old lines were installed.

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

(4) Anticipated construction schedule, in-service date

Assuming that this Construction Notice is processed in accordance with OAC Code Rule 4906-5-02(B) and expeditiously as contemplated by the additional payment made in accordance with OAC Rule 4906-5-11 (I), Dominion East Ohio would begin construction in August of 2010 and place the line service by the fall of 2010.

(5) Estimated capital cost

• The high-level estimate for the replacement of the 2- eighteen inch Intermediate Pressure gas mains with a single twenty-four inch High Pressure gas main is approximately \$3,285,000.

(6) Operating characteristics, number and types of required structures, land requirements

- MAOP: The proposed pipelines segment will have a flow rate of 4,300 Mcf per hour at a temperature of 65° Fahrenheit operating at a pressure of 150 psig in the summer. In the winter it will have a flow rate of 16,000 Mcf per hour at a temperature of minus 13 Fahrenheit operating at a pressure of 214 psig.

 Other than a new regulator station at E. 49th Street and Harvard Avenue, there will be no additional structures and, other than the CDF and NEORSD easements and a CSX permit, no additional land requirements.
- 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 24-inch nominal diameter, 0.312 W, X42 steel pipe and 20-

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

inch nominal diameter, .0375 W, X52 steel pipe. Cathodic protection for this distribution line will be provided by installation of magnesium anodes. Each 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: Other than the new regulator station, no additional structures would be needed for the replacement of this pipeline.
- Rights-of-way, Land Requirements: Additional easements were required and obtained: a CSX Permit, a CDF property easement, and a NEORSD easement
- (7) Map of pipeline showing centerline, instructions for locating, viewing the proposed facility

Attachment B is an area map of 1:24,000 scale that depicts the proposed replacement pipeline's centerline. The map shows streets, roads and highways and provides written instructions for locating and viewing the proposed replacement pipeline. There are no roads the will be crossed by the replacement pipeline.

(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 replacement project and it will not be required to obtain new land rights for the proposed replacement project as the installation will be placed within the Village owned road right-of-way. New easements were required

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

Easement or Lease Agreement	Street	Owner	Status	Complete
Private Railroad siding to private business	Valley Belt	N/A - Rail is in DEO's easement -	HDD will be accomplished with the same crew that will HDD the River	х
Work Easement at Vacant Lot	Valley Belt	Maywood	Secured	Х
Railroad	Valley Belt	CSX	PE stamped drawings have been sent to CSX	Expected 8/6/2010
Cuyahoga River	Valley Belt	Army Corp/ODRN	Work in progress by DEO environmental group	In progess
Electric Crossing - CEI	Valley Belt - Canal	CEI	CEI requested additional information	Х
CDF Property	Valley Belt - Canal	Kurtz Bros	Secured	X
Bike Path - Crossing	Canal	Metro	Signed off - email secured	Х
Canal	Canal	ODNR	Pending	Expected by 8/6/2010

(C) Documentation of Construction Notice

Public Official Notification, Community Communications about the Project

Dominion East Ohio personnel either met or talked with various Cuyahoga

Heights and Brooklyn Heights officials and sent letters to Independence officials
to inform them about this proposed replacement pipeline. They included the
following county, city and village officials:

Mr. Jack Bacci

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

Mayor, Village of Cuyahoga Heights 4863 East 71st Street Cuyahoga Heights, Ohio 44125 Phone: 216-641-7020

Mr. Scott Waldemarson Service Director 7201 Canal Road Cuyahoga Heights, OH 216-641-3505

Paul Dey, Engineer Village of Cuyahoga Heights Bohning & Associates 7979 Hub Parkway Valley View, OH 44125 216-642-1130

Michael S. Procuk Mayor Brooklyn Heights 345 Tuxedo Avenue Brooklyn Heights, OH 44131

Ralph Gates, City Engineer (Plans and Pre-Construction Meeting) Village of Brooklyn Heights 345 Tuxedo Avenue Brooklyn Heights, OH 44131

Michael Henry Village Engineer Village of Brooklyn Heights Municipal Center 345 Tuxedo Avenue Brooklyn Heights, OH 44131

Gregory P. Kurtz
Mayor of Independence
6800 Brecksville Road
Independence, OH 44131-5045
kurtzg@independenceohio.org

Plans sent to:

Donald Ramm, Engineer

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

City of Independence 6335 Selig Drive Independence, OH 44131

In addition, emergency contact information was sent to:

Douglas Pallini, Police Chief 5480 Grant Avenue Cuyahoga Heights, OH 216-883-6800

Michael Lasky, Fire Chief Joseph Kocab, Police Chief Village of Brooklyn Heights 365 Tuxedo Avenue Brooklyn Heights, OH 44131 216 741-3753

Peter Nelson, Fire Chief City of Independence 6305 Selig Boulevard Cleveland, OH 44143 216-524-4001

John Nicastro, Chief of Police City of Independence 6800 Brecksville Road Cleveland, OH 44131 216-524-4001

Letters (Attachment C) were/are being mailed to the appropriate officials in Cuyahoga County and the Villages of Cuyahoga Heights and Brooklyn Heights and the City of Independence along with a copy of this Construction Notice on the same day as the filing with the Ohio Power Siting Board. Attachment D lists the officials who have been mailed copies of this Construction Notice along with the letter.

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

Dominion East Ohio either has made or will make applications at the appropriate times for the following permits:

Construction Storm Water Notice of Intent/Storm Water Pollution Prevention Plan to the Ohio EPA

Notification Letter to the Ohio Department of Natural Resources

Notification Letter to the US Fish and Wildlife Service

Notification Letter to the Ohio Historic Preservation Service

Road Opening Permit Applications to the Village of Cuyahoga Heights

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

Attachment A

Village of Cuyahoga Heights letter to Dominion East Ohio

Village of Cuyahoga Neights (INCORPORATED)

July 8, 2009

Dominion East Ohio 320 Springside Drive Suite 320 Akron, Ohio 44333

Attention: Mike Antonius

Manager, Gas Deliver Projects

Re: Installation of 24" HP Gas Main

East 49th Street

Cuyahoga Heights, Ohio

Dear Mr. Antonius:

East 49th Street is one of the main roadways in the Village of Cuyahoga Heights. East 49th Street provides access to over 50 homes, to several major companies including Charter Steel, Nook Industries, Gatto Displays, BP Oil Co., the Northeast Ohio Regional Sewer District, General Electric, St. Ives, Research Organics, Gateway Recycling, the Cleveland Board of Education, the Cleveland Motor Vehicle Maintenance Facility, and to the Cleveland Metroparks Canalway Visitor Center.

Since March, 2009, Dominion East Ohio and its contractors have been installing low pressure and intermediate pressure gas mains and service connections along East 49th Street in the Village of Cuyahoga Heights. The Village of Cuyahoga Heights appreciates Dominion East Ohio's effort to replace the existing gas mains and service connections that were installed decades ago and are suspected of leaking. The Village is very satisfied with installation work, maintenance of traffic, and the repair and restoration of disturbed areas for these projects.

During the 2010 construction season, the Village of Cuyahoga Heights intends to repair and resurface East 49th Street. Over the past several years, the Village of Cuyahoga Heights has performed significant maintenance along the East 49th Street pavement; patching holes, replacing base, repairing catch basins, and sealing cracks; however, the pavement's condition has deteriorated to the extent that maintenance alone cannot provide an adequate pavement for the vehicles using this street. There are a significant number of trucks using East 49th Street, especially to the British Petroleum fuel truck terminal and to the Charter Steel Corporation bar mill. In addition, during the school year many of the Cleveland Board of Education's buses begin and end their day at the bus depot on East 49th Street. For the benefit of the residents and industries of the Village of Cuyahoga Heights and for the visitors to the Village of Cuyahoga Heights and the Cleveland Metroparks, East 49th Street should be repaired and resurfaced as soon as possible.



Billage Anii 4863 EAST 71ST STREET CUYAHOGA HEIGHTS, OHIO 4412S PHONE: (216) 641-7020 FAX: (216) 641-8485

Anticipated funds for the pavement repair and resurfacing project will be provided by the Village of Cuyahoga Heights, Cuyahoga County, and the State of Ohio Issue 1 Program. The Cuyahoga County Engineer's Office has included the project in its Capital Improvement Program for 2010, has committed up to \$250,000.00 for the project, and will support the Village of Cuyahoga Heights' application for the State of Ohio Issue 1 Program. The Village of Cuyahoga Heights anticipates July 2010 at the project start date.

The repair and resurfacing project will include planing of the pavement asphalt wearing surface, full depth pavement removal and replacement of failed pavement base, removal and replacement of curbs and combination curb and gutters as necessary, installation of underdrains as necessary, reconstruction of catch basins, adjustment of castings to grade, restoration of disturbed areas, and resurfacing with 2 courses of asphalt concrete. After East 49th Street has been repaired and resurfaced, the Village of Cuyahoga Heights will place a five-year moratorium on pavement and right-of-way excavations, except for emergency repairs.

Therefore it very important that Dominion East Ohio and its contractors complete construction of the gas mains along East 49th Street in the Village of Cuyahoga Heights by June, 2010, so the repair and resurfacing project can proceed and the funding for the project will not be lost.

Don't hesitate to call our office with any comments or questions you have regarding the gas main replacement projects or the pavement repair and resurfacing project along East 49th Street.

Sincerely,

Paul E. Dey

Village Engineer

Paul E. Don

CC:

Mayor Jack M. Bacci

File 2525-09-05

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E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

Attachment B

Maps showing centerline of replacement pipeline

DRIVING DIRECTIONS

To gain access to the Canal Road portion of the project, use the Harvard Avenue exit from I-77 and turn west. Continue on Harvard .1 miles. E. 49th Street, Cuyahoga Heights, is on the left (south) just past the BP Gas Station. Travel south on E. 49th. E. 49th will curve to the east and become Canal Road. Access to the project area is at a gate on the right.

To gain access to the Valley Belt Road portion of the project, take I-77 south to the Granger Road (S.R. 17) exit. Travel west on Granger Road to Valley Belt Road, on the right. Access to the project area is via a vacant parcel on the right, 1400 Valley Belt Road.

- HDD Bare - New CL - Line 6199 Line15179 PFO PFO

Environment and Archaeology, LLC 2006 Aerial Map 1:2,400

Figure I

East Ohio Gas Company 49th Street HDD Bore Project Project Location Cuyahoga County, Ohio

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

Attachment C

Model letter to local officials informing them about the pipeline replacement



Bricker & Eckler

COLUMBUS I CLEVELAND CINCINNATI-DAYTON

BRICKER & ECKLER LLP 100 South Third Street Columbus, Ohio 43215-4291 MAIN: 614.227.2300 FAX: 614.227.2390

> www.bricker.com info@bricker.com

Sally W. Bloomfield 614.227.2368 sbloomfield@bricker.com DATE

SAMPLE LETTER

[PUBLIC OFFICIAL] [ADDRESS] [ADDRESS]

Re: E. 49th Street 24-Inch Distribution Line Replacement Ohio Power Siting Board Case No. 10-1067-GA-BNR

Dear :

Dominion East Ohio plans to replace +/- 3,800 feet of the existing eighteen inch intermediate pressure distribution pipeline (L# 1811) and +/-3,800 feet of the existing parallel eighteen inch intermediate pressure pipeline (L# 6520). Each line runs north from the existing above ground Willow Station near 6015 E Granger Road, Independence, Ohio and runs north across the Cuyahoga River, CSX Railroad and the Ohio-Erie Canal to Canal Road, in the Village of Cuyahoga Heights, Ohio. Each line then runs west along Canal Road to an existing Dominion East Ohio gating station located at the southwest corner of E. 49th and Canal Roads, in the Village of Cuyahoga Heights.

The new 24" mainline installation will begin from Willow Station, near 6015 E Granger Road, Independence, Ohio and travel west through existing Dominion East Ohio Easements to #1400 Valley Belt Drive, Brooklyn Heights Ohio. The mainline will then be reduced from 24" to 20" and be installed under CSX Railroad, the Cuyahoga River, the Ohio-Erie Canal via a horizontal directional drilling bore. The new installation will end at the existing Dominion East Ohio gating station located at the southwest corner of E. 49th and Canal Roads, in the Village of Cuyahoga Heights. The mainline will then transition from the 20" mainline back to 24" mainline and be tied into the existing 24" mainline installed in 2009. The new line will be a total approximately 3,100 feet (1,830 feet of 24" and 1,300 feet of 20" pipe).

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

E. 49TH STREET 24 INCH HIGH PRESSURE INSTALLATION (CANAL ROAD TO WILLOW STATION) DISTRIBUTION LINE REPLACEMENT

Attachment D

List of Officials Who Received the Construction Notice

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

Scott Waldemarson Service Director 7201 Canal Road Cuyahoga Heights, OH

Paul Dey, Engineer Village of Cuyahoga Heights Bohning & Associates 7979 Hub Parkway Valley View, OH 44125

Mayor Michael S. Procuk Village of Brooklyn Heights 345 Tuxedo Avenue Brooklyn Heights, Ohio 44131

Michael Henry, Village Engineer Village of Brooklyn Heights Municipal Center 345 Tuxedo Ave. Brooklyn Heights, OH 44131

Mayor Gregory P. Kurtz City of Independence 6800 Brecksville Road Independence, OH 44131 Donald J. Ramm, P.E., City Engineer City of Independance 6335 Selig Drive Independence, OH 44131

Commissioner Timothy F. Hagan President Cuyahoga County Commissioner Cuyahoga County Administration Building 1219 Ontario Street, 4th Floor Cleveland, OH 44113

Commissioner Jimmy Dimora Vice President Cuyahoga County Commissioner Cuyahoga County Administration Building 1219 Ontario Street, 4th Floor Cleveland, OH 44113

Commissioner Peter Lawson Jones Cuyahoga County Commissioner Cuyahoga County Administration Building 1219 Ontario Street, 4th Floor Cleveland, OH 44113

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