



**Dominion®**

**Construction Notice for the**

**PIR #542, Forest Hills Boulevard,  
East Cleveland & Cleveland Heights,  
Cuyahoga County, Ohio**

**30-inch High Pressure Distribution  
Line Replacement**

**Ohio Power Siting Board  
Case No. 15-466-GA-BNR**

**Submitted by**  
**Dominion East Ohio**  
(#MWO 63148101)

**CASE NO. 15-466-GA-BNR**  
**CONSTRUCTION NOTICE**  
**PIR #542, FOREST HILLS BOULEVARD, EAST CLEVELAND & CLEVELAND HEIGHTS,**  
**CUYAHOGA COUNTY, OHIO**  
**30-INCH HIGH PRESSURE DISTRIBUTION LINE REPLACEMENT**

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 for the proposed project is the Dominion East Ohio (“DEO”). The name of the project is PIR #542 Forest Hills Boulevard, which will be constructed on the north and south sides of Forest Hills Boulevard between Lee Road in East Cleveland and Mayfield Road in Cleveland Heights, Cuyahoga County, Ohio. As the “PIR” designation reflects, this project has been previously listed as one of those on the Pipeline Infrastructure Replacement program. The internal project number is MWO 63148101. See Attachment A, map.

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

This project involves replacing approximately 4,440 feet of existing 26-inch high-pressure bare steel with 4,510 feet of 30-inch fusion bond epoxy steel .375W by grade X60.

This construction project will run on the north and south sides of Forest Hills Boulevard in the tree lawn area between Lee Road in East Cleveland and Mayfield Road in Cleveland Heights, Ohio.

This project also includes approximately 12,060 feet of non-jurisdictional 4, 6, and 8-inch low pressure pipeline that will be replaced.

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**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:

- (3) Replacing an existing gas transmission line with a like facility where such replacement requires an increase in the width of existing right-of-way, and where the expanded right-of-way is:
  - (a) not greater than one mile in length.

The replacement project is less than one mile and entirely within the existing right-of-way.

The replacement pipeline will be located entirely within DEO’s service area. DEO owns and operates the existing line that will be replaced and will continue to own and operate the replacement pipeline. The primary purpose of the replacement will be to take out of service the aging and obsolete pipeline to assure a safe and constant natural gas supply to DEO’s customers. As noted above, this project is eligible for recovery as part of the Pipeline Infrastructure Replacement program.

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

The objective of this pipe infrastructure replacement project is to provide adequate gas supply to DEO’s existing customers in East Cleveland, Cleveland Heights, and in the surrounding residential and industrial area in Cuyahoga County. The present pipe mainlines are more than 64 years old and have been identified as high priority replacement pipe due to considerable maintenance and leak repairs required in the last number of years. [For accounting purposes, the useful life (based on depreciation) of bare steel pipe is 55.87 years.] In 2008, DEO began a pipe infrastructure replacement

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program in Ohio that will result in replacing more than 5,000 miles of bare steel pipe in the next 20 years. There will be savings to DEO's customers from the substantial maintenance expense attributable to the replacement line in this project when it is constructed. Moreover, the new line will meet all the safety standards that have been enacted since the installation of the old line.

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

The construction of the replacement pipeline is anticipated to begin in late March early April 2015. DEO plans to place the line in-service by September 14, 2015. Schematic Construction Plans are included as Attachment C.

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

The high-level estimate for the replacement by the 30-inch high-pressure gas main (and the non-jurisdictional pipeline – low pressure main) is \$4,080,600.

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

The proposed 30-inch high-pressure line (L#9517) will operate at a distribution operating pressure range of 80 to 155 pounds per square inch gage (psig) depending on the time of year. The maximum allowable operating pressure will be 265 pounds per square inch gage (psig). The 30-inch nominal diameter pipe will be coated with fusion bond epoxy. Its steel pipe wall thickness will be 0.375 and the grade will be X60.

All lines are in existing public right-of-way.

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

Attachment A is an area map that depicts the proposed new pipeline's centerline. Attachment B provides written instructions for locating and viewing the proposed new pipeline.

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

This project is entirely within DEO's existing road right-of-way. The property owners of the existing right-of-way are listed on Attachment D:

DEO sent a preliminary notice to all rights-of-way occupants of the proposed project on November 22, 2013. Another letter will be sent to all customers listed as property owners along the proposed pipeline giving more details and including a Frequently Asked Questions section prior to construction start. The first model and second model letters are included as Attachment E.

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

A copy of this Construction Notice is being provided concurrently to the following public officials of Cuyahoga County who are listed on Attachment F. A copy of a transmittal letter submitting this Construction Notice on the same day that it was filed with the Ohio Power Siting Board is attached as Attachment G.

**ADDITIONAL INFORMATION**

DEO has made the applications/notices to the appropriate officials. The Attachment H documents include:

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- A copy of the report dated July 1, 2014 from Ms. Kennedy of EnviroScience summarizing the results of the ecological assessment completed on June 3, 2014 for this project;
- A copy of an email dated December 23, 2014 from the US Fish and Wildlife Services (“US F&WS”) noting that any tree clearing of potential bat roost trees needs to occur between October 1 and March 31; and due to the project type, size, and location, adverse effects to any other federally endangered, threatened, proposed, or candidate species are not anticipated;
- A copy of a letter dated June 23, 2015 from Mr. Kessler of the Ohio Department of Natural Resources (“ODNR”) with the results of an Ohio endangered species consultation. Consultation with US F&WS was requested;
- A copy of a letter dated December 4, 2014 to Ms. Hamley O’Donnell of the City of Cleveland Heights requesting a review of the Forest Hill Historic District and Park;
- A copy of a letter dated February 12, 2015 from Mr. Butler of the Ohio Environmental Protection Agency (“EPA”) granting approval of the Notice of Intent (“NOI”) application;
- A copy of a letter dated February 25, 2015 from Mr. Eysenbach of the Cuyahoga Soil & Water Conservation District recommending approval of the Storm Water Pollution Prevention Plan (“SWPPP”); and
- A copy of the SWPPP.

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**Attachment A**

**MAP OF PROJECT AREA A**



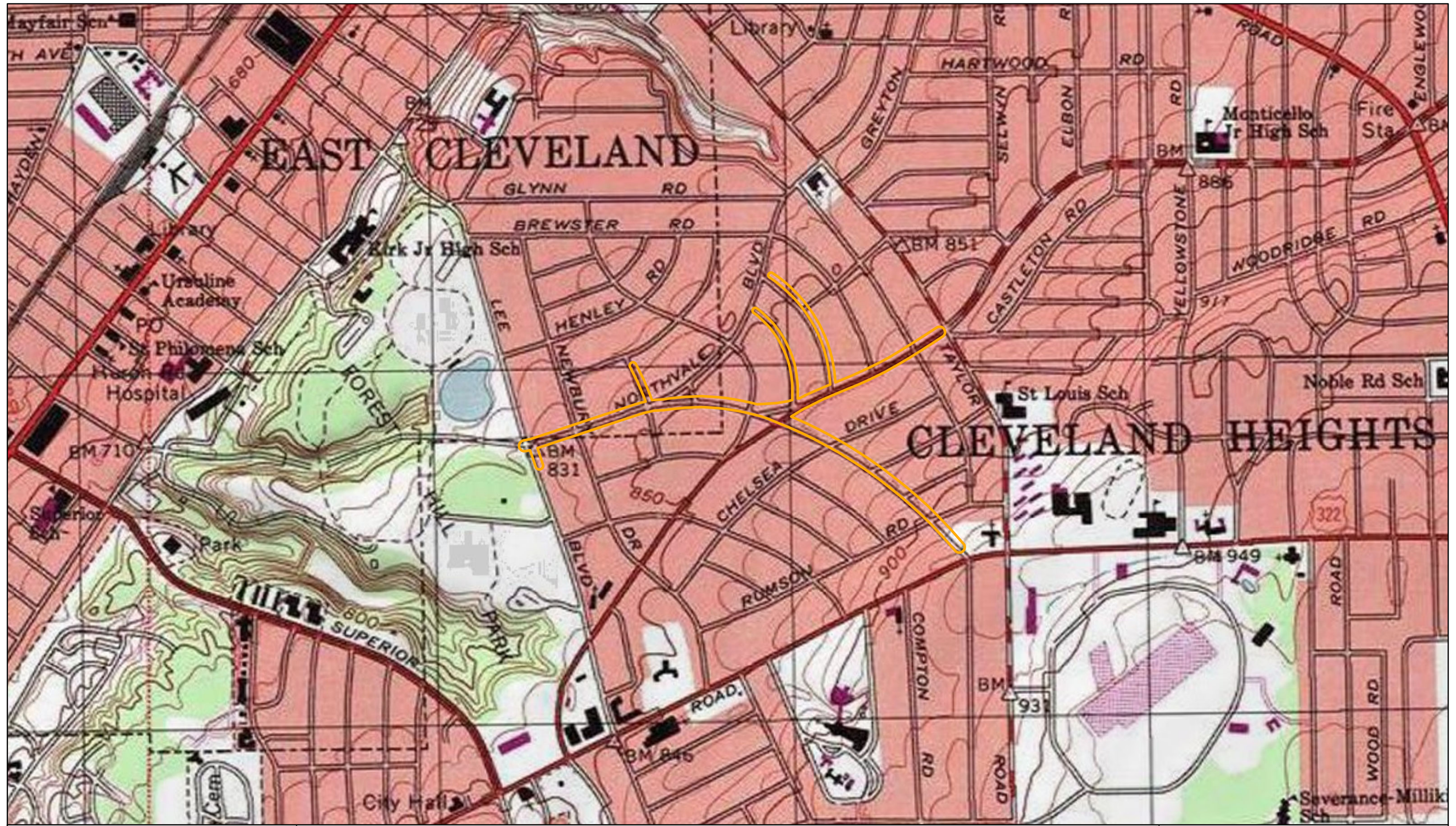
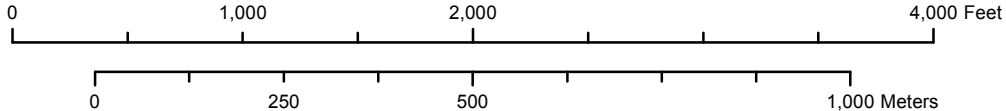


Figure 2. USGS 7.5-minute  
Topographic Map of East Cleveland Quadrangle.  
PIR 542.

 Project Area





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**Attachment B**

**DRIVING DIRECTIONS**

**PIR #542 Forest Hills Boulevard Replacement Project**

Travel to the site from Columbus can be accomplished by taking I-71 north toward Cleveland (approximately 140 miles). I-71N becomes I-90E. From I-90 east, take the Superior Avenue exit and head east (turn right). Stay on Superior Avenue until reaching Euclid Avenue (approximately 4.5 miles). Turn left on Euclid Avenue and then turn right on Forest Hills Boulevard (approximately 1 mile). The project limits include the area along Forest Hills Boulevard between Lee Road in East Cleveland and Mayfield Road in Cleveland Heights, Ohio.

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**Attachment C**

**SCHEMATIC CONSTRUCTION PLANS**

THE SHOWN DATA NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING. THEREFORE, IN CONSTRUCTION OF THIS DRAWING, THE ENGINEER HAS NOT CONDUCTED A FIELD SURVEY TO VERIFY THE SHOWN DATA. THE ENGINEER HAS NOT CONDUCTED A FIELD SURVEY TO VERIFY THE SHOWN DATA. THE ENGINEER HAS NOT CONDUCTED A FIELD SURVEY TO VERIFY THE SHOWN DATA.



## LOCATION MAP



### GENERAL LEGEND

GAS VALVE



COUPLING



END CAP



REDUCER



STOPPER FITTING



EXISTING GAS APPURTENANCE  
(TEST POINT, DRIP, CURB BOX, ETC.)



EXISTING GAS FEED/FLOW



PROPOSED LOW PRESSURE GAS LINE



PROPOSED MEDIUM PRESSURE GAS LINE



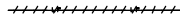
PROPOSED INTERMEDIATE PRESSURE GAS LINE



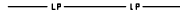
PROPOSED HIGH PRESSURE GAS LINE



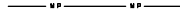
EXISTING GAS LINE TO BE ABANDONED



EXISTING LOW PRESSURE GAS LINE



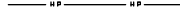
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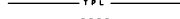
EXISTING INTERMEDIATE PRESSURE GAS LINE



EXISTING HIGH PRESSURE GAS LINE



EXISTING TRANSMISSION LINE



EXISTING PRODUCTION GAS LINE



EXISTING STORAGE LINE



EXISTING GAS LINE OTHER/HIGH-DEG



EXISTING UNDERGROUND CABLE



EXISTING UNDERGROUND TELEPHONE



EXISTING UNDERGROUND ELECTRIC



EXISTING UNDERGROUND FIBER OPTICS



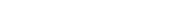
EXISTING SANITARY SEWER



EXISTING STORM SEWER



EXISTING WATERMAIN



RIGHT OF WAY



CENTER LINE



EXISTING ROAD PAVEMENT



EXISTING WALK/DRIVE



# Dominion<sup>®</sup>

## PIR-542

## FOREST HILLS BOULEVARD CITY OF EAST CLEVELAND & CLEVELAND HEIGHTS CUYAHOGA OHIO SAP P#400008488 MWO#63148101 CWO#63264030

### OVERALL PROJECT SCOPE

THIS PROJECT CONSISTS OF ABANDONING APPROXIMATELY 12,000 FEET OF EXISTING LP AND INSTALLING 12,000 FEET OF LP.

THIS PROJECT CONSISTS OF ABANDONING APPROXIMATELY 3,200 FEET OF EXISTING HP AND INSTALLING 3,200 FEET OF HP.

THIS PROJECT CONSISTS OF LIFT-AND-LAY APPROXIMATELY 2,080 FEET OF HP.

APPROXIMATE NUMBER OF SERVICES AFFECTED BY CONSTRUCTION:  
92 RESIDENTIAL MAIN TO CURB  
78 RESIDENTIAL CURB TO METER

### SYMBOLS LEGEND

1 CENTER LINE	EXISTING GAS MANHOLE
1 PROPERTY LINE	EXISTING TELEPHONE MANHOLE
Z CONSOLIDATED LOTS	EXISTING WATER MANHOLE
IRON PIPE FOUND	EXISTING MONITORING WELL
MONUMENT BOX FOUND	EXISTING FLAG POLE
DRILL HOLE FOUND	EXISTING TRAFFIC SIGNAL POLE
DRILL HOLE SET	EXISTING POWER POLE
EXISTING FIRE HYDRANT	EXISTING GUY ANCHOR
EXISTING STAND PIPE	EXISTING LIGHT POLE
EXISTING WATER VALVE	EXISTING GROUND LIGHT
EXISTING GAS VALVE	EXISTING RAILROAD SIGNAL
EXISTING IRRIGATION CONTROL VALVE	EXISTING TRANSFORMER
EXISTING CLEAN OUT	EXISTING CABLE BOX
EXISTING WATER CORP STOP	EXISTING UTILITY BOX (ELEC/TELE)
EXISTING GAS METER	EXISTING TELEPHONE BOX
EXISTING WATER METER	EXISTING TRAFFIC BOX
EXISTING ELECTRIC METER	EXISTING BOLLARD
EXISTING SQUARE INLET BASIN	EXISTING TRAFFIC SIGN
EXISTING ROUND INLET BASIN	EXISTING MAILBOX
EXISTING YARD BASIN	EXISTING TREE
EXISTING CURB INLET BASIN	EXISTING SHRUB
EXISTING GUTTER INLET BASIN	EXISTING VERTICAL VENT PIPE (ELEC)
EXISTING MANHOLE	EXISTING GAS DRIP
EXISTING CABLE MANHOLE	EXISTING GAS TEST BOX
EXISTING ELECTRIC MANHOLE	EXISTING HC RAMP
EXISTING ELECTRIC HAND HOLE	EXISTING EDGE OF TREELINE

### INDEX OF SHEETS

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### DOMINION CONTACTS

**PROJECT MANAGER:**  
MARK SCHAEFFER - 330-664-2517

**TECHNICAL SPECIALIST / ENGINEER:**  
COREY WILCOX - 330-664-2635

**GAS PLANNING:**  
DAVID KANE - 216-736-6755  
KERTIS LIMPET - 216-736-6757

**ENVIRONMENTAL:**  
DAVID FREDLE - 330-703-3603

**LAND SERVICES:**  
KIM MILANO - 330-664-2419

**GAS MEASUREMENT & REGULATION (GMR):**  
JEFF BAKER - 216-736-6711

**TAPPING & STOPPING:**  
RICK KAWIECKI - 216-736-6660

**CONSTRUCTION & MAINTENANCE (CAM):**  
DAVID KLEPYK - 216-736-6918  
RICHARD FRANTZ - 216-736-6914  
KEVIN KOVACS - 216-736-9636

**CONCRETE:**  
AL HUMRICHUSER - 330-478-3757

**CONTRACTOR INSPECTION:**  
MIKE JONES - 330-664-2589

**MUNICIPALITY/ES:**  
PETE FORMICA, P.E. (CLEVELAND HGTS - CITY ENGINEER)  
440-951-9000  
GIOVANNI MALTESE (CLEVELAND HGTS)  
216-407-4181  
ANTHONY BUMBALIS (EAST CLEVELAND - BLDG SUPERVISOR)  
216-681-2442

**IN CASE OF EMERGENCY CALL 911, THEN:**  
DOMINION DISPATCH 216-736-6650  
DOMINION CUSTOMER SERVICE 800-362-7557

**DOMINION CUSTOMER SERVICE (CNR):**  
EDWARD WILSON - 216-736-6955  
CLARENCE MATTHEWS - 216-736-6924  
JEFFREY ROBINSON - 216-736-5625  
JOHN WEISHAR - 216-736-5944

### PIPELINE INFORMATION TABLE

PRESS.	SYS. ID.	PCB ZONE	SYSTEM MAOP	TESTING
HIGH	EH1	YELLOW	285 psi	SEE GENERAL NOTES FOR PRESSURE TESTING REQUIREMENTS
INTERMEDIATE	WI1	YELLOW	95 psi	
MEDIUM				
LOW	WL1	YELLOW	1 psi	

MUNICIPALITY: Cleveland Hts East Cleveland CSD

TAX DIST: OH1224

MUNICIPALITY: East Cleveland CSD

TAX DIST: OH1226

MUNICIPALITY:

TAX DIST: COUNTY: CUYAHOGA

INV. DIV. 500 ZIP CODE: 44112

OPERATING AREA: 1N COORD:

PCB ZONE: SEE TABLE PIPELINE SYSTEM ID: SEE TABLE

CLASS LOCATION: DESIGN CLASS LOCATION:

TEST MEDIUM: SEE TABLE XRAY: RANDOM: 10% MIN.

TEST PRESSURE: SEE TABLE SEGMENT MAOP: SEE TABLE

TEST DURATION: SEE TABLE SYSTEM MAOP: SEE TABLE

O.U.P.S. DESIGN TICKET NO. 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### HORIZONTAL DIRECTIONAL DRILLING (HDD) INSTALLATIONS:

1. WHEN DIRECTIONAL DRILL/BORE IS USED AS THE METHOD OF PIPE INSTALLATION, THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE THIRD PARTY FACILITIES. IF THE REQUIRE IS "TEST HOLE'S; DEW/NO/NOT/MAKE ADDITIONAL PAYMENT FOR COMPENSATION. THE RESTORATION OF ANY TEST HOLE'S REQUIRED TO BE INCLUDED IN THE LUMP SUM/BID PRICE. REFERENCE SHALL BE MADE TO COST REGARDING/USE OF TRENCH TECH/NOLOGY.
2. ALL BORING REQUIRES PHYSICAL EXPOSURE OF ALL UTILITY LOCATIONS (E.G., POT HOLE/NO AND VACUUM EXCAVATION) PRIOR TO ANY CONSTRUCTION. RESTORE THESE AREAS/NO/NO.
3. BORING OPERATIONS MUST HALT IF ANY TRAC/UT OR NO/ADVERT RETURN/NO OCCUR. SEE FLOW/CHART/IN SW/PP FOR APPROPRIATE ACTIONS TO TAKE AND CONTACTS TO MAKE. OPERATIONS MAY CONTINUE/FOLLOW/NO THROUGH CLEAR/NO. DOCUMENTATION WILL BE REQUIRED OF DETAILING THE LOCATION, QUANTITY AND BEFORE AND AFTER PHOTOGRAPHS OF THE AFFECTED AREA.
4. THE BORING CONTRACTOR IS RESPONSIBLE FOR THE PERMITS, APPROVALS, AND RESTORATION IN THE EVENT/NO DIG UP AND THE RETRIEVAL OF THE BORING HEAD IS NECESSARY. CONTRACTOR IS ALSO RESPONSIBLE FOR/NOY COSTS ASSOCIATED WITH THE RETRIEVAL OF THE BORING HEAD OR ASSOCIATED EQUIPMENT.

- DOMINION HAS PROVIDED THE MOST UP-TO-DATE INFORMATION AVAILABLE AT THE TIME OF DESIGN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM AND COMPLY WITH ALL CURRENT MUNICIPAL REQUIREMENTS.
- CONTRACTOR MUST CALL CUPS AT LEAST TWO (2) WORKING DAYS BEFORE STARTING WORK.
- ONE LANE OF TRAFFIC MUST BE MAINTAINED IN BOTH DIRECTIONS DURING NON-CONSTRUCTION HOURS.
- SUPPORTING OF EXISTING UTILITY POLES DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING MAKING THE ARRANGEMENTS WITH THE THIRD PARTY TO COORDINATE THE WORK.
- CONTRACTOR TO GAUGE LINES AND AVOID DOUBLE BYPASS AS REQUIRED.
- CONTRACTOR SHALL ADHERE TO ALL ASPECTS OF THE DEO CORROSION POLICY WHEN WORKING ON STEEL MEMBERS AND SERVICES.
- DEO WILL PAY FOR ANY AND ALL NON-DESTRUCTIVE TESTING (NOT) OF WELDS. THE CONTRACTOR SHALL ASSIST THE NOT CONTRACTOR WHERE NEEEDED AT NO ADDITIONAL COST/DEO.
- CONTRACTOR TO PERFORM DAILY STREET SWEEPINGS TO LIMIT THE ABILITY OF SEDIMENT DEPOSITION

**UTILITIES:**

THE LOCATION OF ALL EXISTING UTILITY FACILITIES ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF THE FIELD SURVEY IN ACCORDANCE WITH SECTION 153.64 OF THE REVISED CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF THE EXISTING OWNERS AND UTILITY PROTECTION SERVICE LISTED BELOW IN ACCORDANCE WITH SECTION 154.64 OF THE O.R.C. AND AS OUTLINED IN PROJECT SPECIFICATIONS.

THE CONTRACTOR SHALL CALL THE OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OOGUPS) AT 1-800-925-0988 A MINIMUM OF 48 HOURS BEFORE START OF CONSTRUCTION TO LOCATE ANY GAS PRODUCER FACILITIES IN THE AREA.

**UTILITY OWNERSHIPS ARE AS FOLLOWS:-**

**OHIO UTILITIES PROTECTION SERVICE:**  
**ADDRESS:** 4900 Belmont Ave.  
**CITY:** Youngstown, OH 44505  
**PHONE:** 1-800-365-2794  
**CONTACT:** Tom Ispolovich - Supervisor

**CLEVELAND WATER DEPARTMENT:**  
ADDRESS Distribution Engineering Unit  
1201 Lakeside Avenue  
CITY Cleveland, OH 44114  
PHONE (216) 694-3444/J225

**CLEVELAND PUBLIC POWER**  
ADDRESS: 1886 Lakeside Ave.  
QTY: Cleveland, OH 44115  
PHONE: (216) 584-5222  
CONTACT: John Smith - Engineer  
Rick Smith - Manager

**CLEVELAND WATER POLLUTION CONTROL**  
ADDRESS Division of Water Pollution Control  
12322 N. High Ave.  
CITY Cleveland, OH 44108  
PHONE (216) 434-2738

**ILLUMINATING COMPANY:**  
ADDRESS: 6335 Main Road, #101  
CITY: Buckeye, OH 44141-8288  
PHONE: (440) 546-8715  
CONTACT: Andrew J. Bened & Douglas J. Hogan  
Creative Services, Northern Division

**NORTHEAST OHIO REGIONAL SEWER:**  
**ADDRESS:** 2800 Euclid Avenue  
**CITY:** Cleveland, OH 44115  
**PHONE:** (216) 691-6800  
**CONTACT:** Owen D. Vilsberg, Jr., Project Manager

**AT&T:**  
**ADDRESS:** 1888 Lorain Ave., P.O. 2  
**CITY:** Cleveland, OH 44111  
**PHONE:** (216) 498-1121  
**CONTACT:** Jim Papashak - Engineer  
Scott Sals - Engineer  
Donald Rebe - Engineer

**TIME WARNER CABLE:**  
**ADDRESS:** 8179 Dear Circle  
**CITY:** Strongsville, Ohio 44136  
**PHONE:** 216-875-8716x5033  
**CONTACT:** Gary Neumann - Project Manager

**CORROSION:**

1. THE CONTRACTOR SHALL RE-ESTABLISH FINAL GRADE OF EXCAVATED AREA FOLLOWING PIPE INSTALLATION. THIS ACTION MUST TAKE PLACE IN ACCORDANCE WITH THE DEEDS HEREIN SWPPP OR WITHIN A CALIFORNIA DRAINAGE DISTRICT FROM THE DISTRICT BOARD OF DIRECTORS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT TO EXCAVATE EITHER PERMANENT OR TEMPORARY MEANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATING ANY SETBACK OF THE CONSTRUCTION AREA FOR ONE (1) YEAR AFTER THE REMEDIATION COMPLETE.
2. RESTORATION SHALL BE PERFORMED IN A MANNER WITHIN PROJECT PHASING (RESTORE AS YOU GO). TEMPORARY RESTORATION WILL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR UNTIL FINAL RESTORATION COMPLETES AS TO STAY IN COMPLIANCE WITH THE SWPPP.
3. IN CULTIVATED AND WETLAND AREAS, THE CONTRACTOR SHALL SEPARATE THE TOP 12 INCHES OF SPILLS DURING THE RESTORATION PHASE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATING ANY SETBACK OF THE CONSTRUCTION AREA FOR ONE (1) YEAR AFTER THE REMEDIATION COMPLETE.
4. CONTRACTOR TO PERFORM DAILY STREET SWEEPING TO MAINTAIN THE INFILTRATION OF SEDIMENT DEPOSITION.

## PRESSURE TESTING

1. THE CONTRACTOR SHALL PRESSURE TEST THE NEW PIPELINE(S) AND RECORD THE RESULTS IN ACCORDANCE WITH DEO SOP. DEO FIELD INSPECTOR WILL PROVIDE THE PRESSURE TESTING SHEET, WHICH INCLUDES THE TEST PRESSURE, TEST MEDIUM AND TEST DURATION. ALL PIPE PRESSURE TESTING HAS TO BE MONITORED AND SIGNED OFF BY THE DEO FIELD INSPECTOR.

**SERVICES:**

1. SERVICE TRANSFERS MAY ONLY BE MADE AFTER A POSITIVE APPOINTMENT HAS BEEN CONFIRMED WITH THE CUSTOMER. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SCHEDULING OF RELATED APPOINTMENTS WITH THE RESPECTIVE CUSTOMER. A CUSTOMER CANNOT BE TURNED OFF OVERNIGHT OR DURING COLD WEATHER WITHOUT A CONFIRMED APPOINTMENT WITH THE CUSTOMER FOR RELIGHT. THE DE OFIELD INSPECTOR MAKES THIS FIELD DECISION.
2. ALL SERVICES THAT ARE TO BE ABANDONED IN CONJUNCTION WITH MAINLINE ABANDONMENT ARE REQUIRED TO BE CUT AT THE MAINLINE. THE OPEN END SHALL BE SECURELY PLUGGED OR CAPPED.
3. ALL DOUBLE HOUSES OR DUPLEXES TIED INTO LP WILL REQUIRE A MINIMUM LINE SIZE OF 1/2 INCHES.

**GAS PLANNING - GAS FEED DISCLAIMER:**

1. GAS FEED INFORMATION PROVIDED WAS OBTAINED FROM GAS PLANNING AND REPRESENTS "TYPICAL FLOW" UNDER NORMAL OPERATING CONDITIONS.
2. GAS FEED INFORMATION AS SHOWN AT TIE-IN LOCATIONS IS FOR REFERENCE ONLY AND MUST NOT BE USED IN DETERMINING THE NEED FOR BY-PASS PROCEDURES.
3. GAS PLANNING MUST BE CONSULTED TO VERIFY FEED AT TIME OF CONSTRUCTION.

City of Cleveland Heights - Construction management / Engineer

**ADDRESS:** 43 Seward Circle  
**CITY:** Cleveland Heights, Ohio 44115  
**PHONE:** 216-291-4444  
**CONTACT:** Glenn M. Adams - Construction Manager  
216-407-4181  
Patricia Kania, PE - City Engineer  
440-351-0200

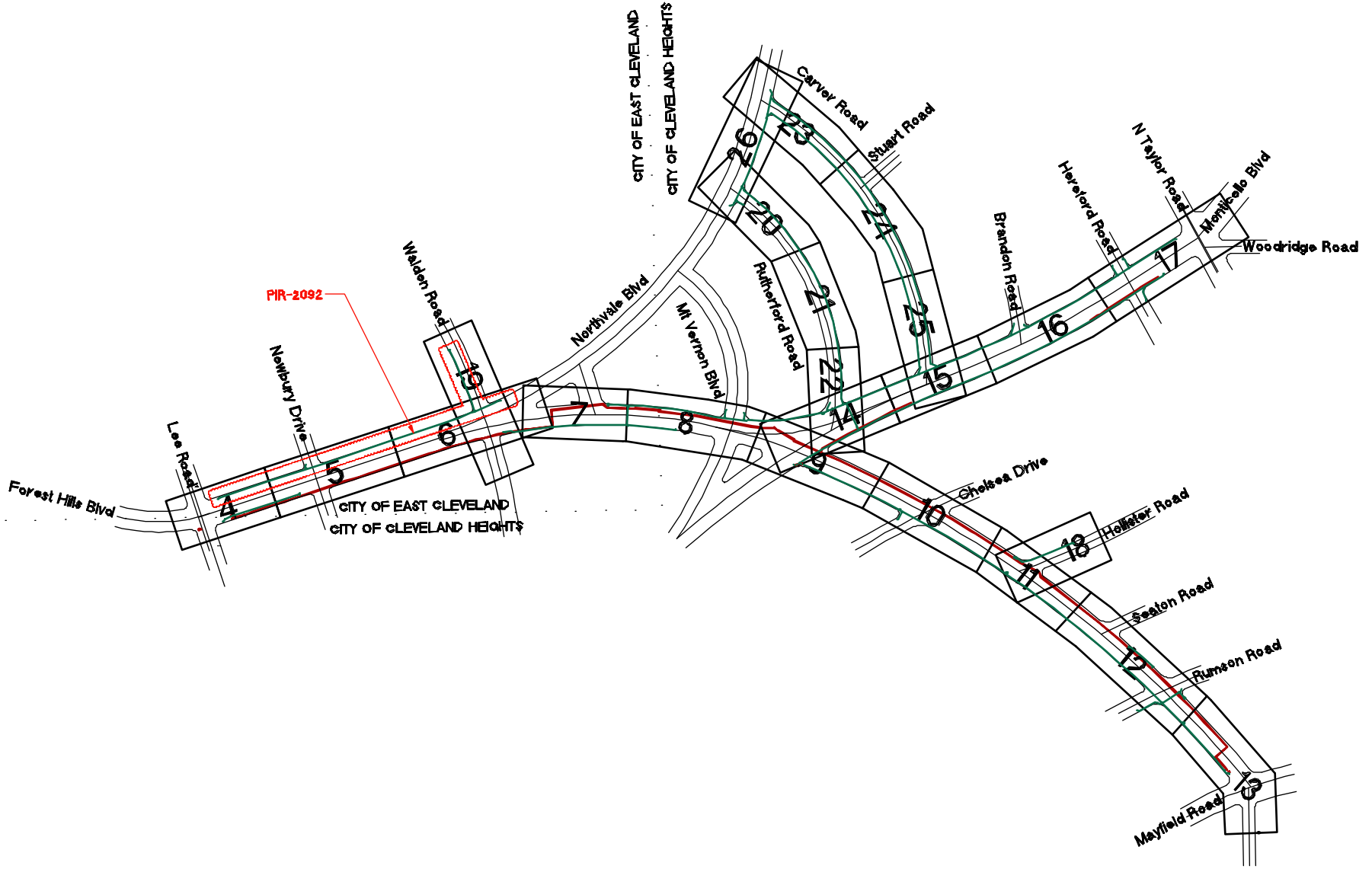
**City of East Cleveland - Building Department**  
**ADDRESS:** 1630 E. 8th Avenue  
**CITY:** East Cleveland, OH 44112  
**PHONE:** 216-681-2442  
**CONTACT:** Jeffery Sumbak - Supervisor

**RESTRAINING PIPE NOTE:**

NOTE: CONTRACTOR MUST FOLLOW  
BEST PRACTICE REGARDING SAFE  
EMBEDMENT DISTANCE & JOINT  
REINFORCEMENT OF COMPRESSION  
COUPLINGS PER D&C MANUAL

THE OWNER HAS NOT WARRANTED THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE AND RELEASES HEREIN AND HERETOFORE IS AT THE RISK OF THE USER, WHO AGREES TO HOLD MAINTAIN AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH THE USE.

Source Dwg: C:\Users\derek90\appdata\local\temp\AcPublish\_5729\02\_PIR 542 Forest Hills Blvd FINAL.dwg Date: Mar 04, 2016 9:29am Owner: derek90



DRAWING SCALE  
0 100' 300'

REV	DATE	DESCRIPTION



PIR 542  
E. Clev. & Clev. Hts, Cuyahoga Co

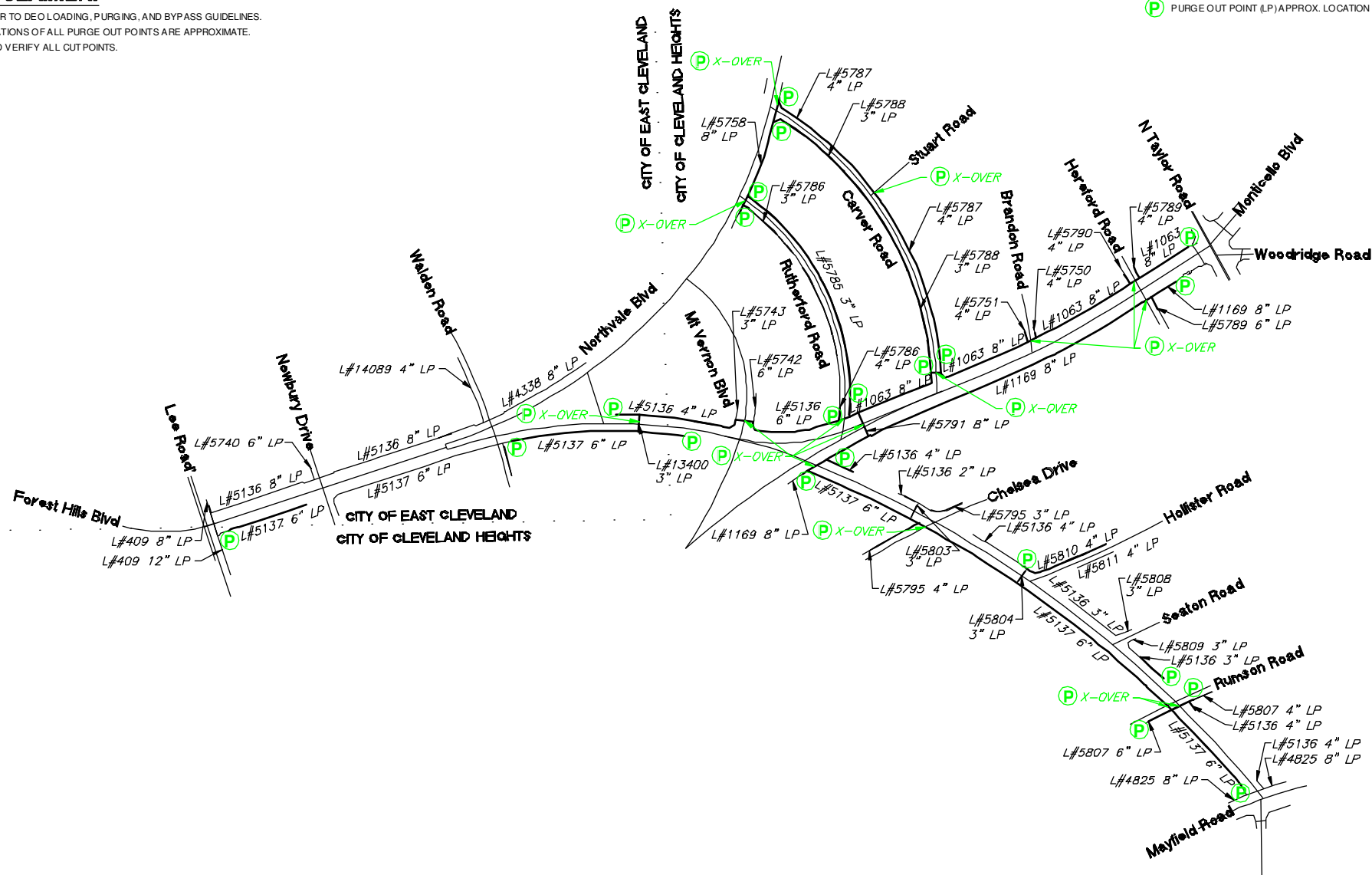
INDEX

DATE: 01/22/2015  
PRODUCTION:  
P400008488

39

- REFER TO DEO LOADING, PURGING, AND BYPASS GUIDELINES.
- LOCATIONS OF ALL PURGE OUT POINTS ARE APPROXIMATE.
- FIELD VERIFY ALL CUT POINTS.

THE OTHER AGREE NOT ASSERTING THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THE INFORMATION FOR ANY PURPOSES, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HANFORD AND ASSOCIATES THE OTHER AGREEEES AND ALL LIABILITY IN CONNECTION WITH THE USE.



**P** PURGE OUT POINT (LP) APPROX. LOCATION



**DRAWING SCALE**

10	DATE	NUMBER	11



PIR 542

PURGE OUT POINT  
INDEX MAP

DATE: 01/22/2015  
PROJECTID:

3A  
39



NOTE: LIFT & LAY OF L#9517 CAN ONLY BE PERFORMED JUNE THRU SEPTEMBER. TO BE COORDINATED WITH PIR-1100 CONSULT PROJECT MANAGER

# GAS FEED @ TIE-IN: SINGLE

ONE FLOW DIRECTION - SEE GENERAL NOTES PAGE

## LP L# 5137 TIE-IN

CONTRACTOR TO INSTALL DBL BY-PASS, REMOVE EX. CPLG. & TIE COMPLETE W/8"x6" MDPL RDOR & 6" EF CPLG.  
38.0' EEPL LEE ROAD  
6.4' NSPL FOREST HILLS BLVD  
F.B. 239B PG. 231  
F.B. STA 108

L#1180 EX. 20" IP L#4180  
STL T&W 1939  
[TO BE ABO]

L#5312 EX. 12" HP L#15312  
STL 1962

L#5313 EX. 6" IP L#15313  
STL T&W 1962

L#1729 EX. 12" HP L#1729  
STL T&W 1962

L#5313 EX. 18" IP L#15313  
STL T&W 1958

L#1180 EX. 20" IP L#4180  
STL T&W 1939  
[TO BE ABO]

L#1180 EX. 26" IP L#4180  
STL 1951

L#1180 EX. 20" IP L#4180  
STL T&W 1939  
[TO BE ABO]

L#1180 EX. 26" IP L#4180  
STL 1951

L#1180 EX. 20" IP L#4180  
STL T&W 1939  
[TO BE ABO]

L#1180 EX. 26" IP L#4180  
STL 1951

L#1180 EX. 20" IP L#4180  
STL T&W 1939  
[TO BE ABO]

L#1180 EX. 26" IP L#4180  
STL 1951

L#1180 EX. 20" IP L#4180  
STL T&W 1939  
[TO BE ABO]

L#1180 EX. 26" IP L#4180  
STL 1951

L#1180 EX. 20" IP L#4180  
STL T&W 1939  
[TO BE ABO]

L.P.  
S.S. FOREST HILLS BLVD.  
INSTALL 40' ~ 6" MDPL  
L#5137  
CLEVELAND HTS

L.P.  
S.S. FOREST HILLS BLVD.  
INSTALL 180' ~ 6" MDPL  
L#5137  
EAST CLEVELAND

I.P. ABANDONMENT  
S.S. FOREST HILLS BLVD.  
ABANDON 135' ~ 26"  
L#21882

H.P.  
S.S. FOREST HILLS BLVD.  
LIFT & LAY ~ 35'  
30" .375w x60 FBE STL  
L#9517  
CLEVELAND HTS

H.P.  
S.S. FOREST HILLS BLVD.  
LIFT & LAY ~ 150'  
30" .375w x60 FBE STL  
L#9517  
EAST CLEVELAND

H.P.  
S.S. FOREST HILLS BLVD.  
INSTALL ~ 10' 16" .375w x60 FBE STL  
INSTALL ~ 5' 18" .375w x60 FBE STL  
L#15312  
EAST CLEVELAND

H.P.  
S.S. FOREST HILLS BLVD.  
INSTALL ~ 5'  
16" .375w x60 FBE STL  
L#15312  
CLEVELAND HTS

PROP. 6" LP  
L#5137 MDPL  
EX. 6" LP L#5137  
STL 1955  
[TO BE ABO]

EX. 26" HP L#9517  
STL 1951  
[TO BE REMOVED]

PROP. 30"-.375w x60  
FBE STL - L#9517  
LIFT & LAY

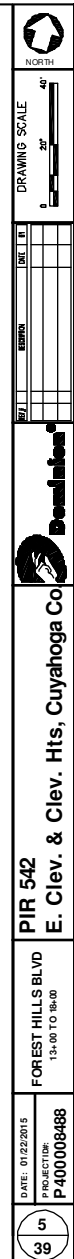
TO BE INSTALLED  
UNDER PIR-2092

NOTE: TELEPHONE/CABLE STRUCTURES ARE PRESENT IN THE SURVEY AREA. HOWEVER NO PLANS HAVE BEEN PROVIDED. CARE SHOULD BE TAKEN TO MAKE SURE LINES ARE MARKED PRIOR TO CONSTRUCTION.

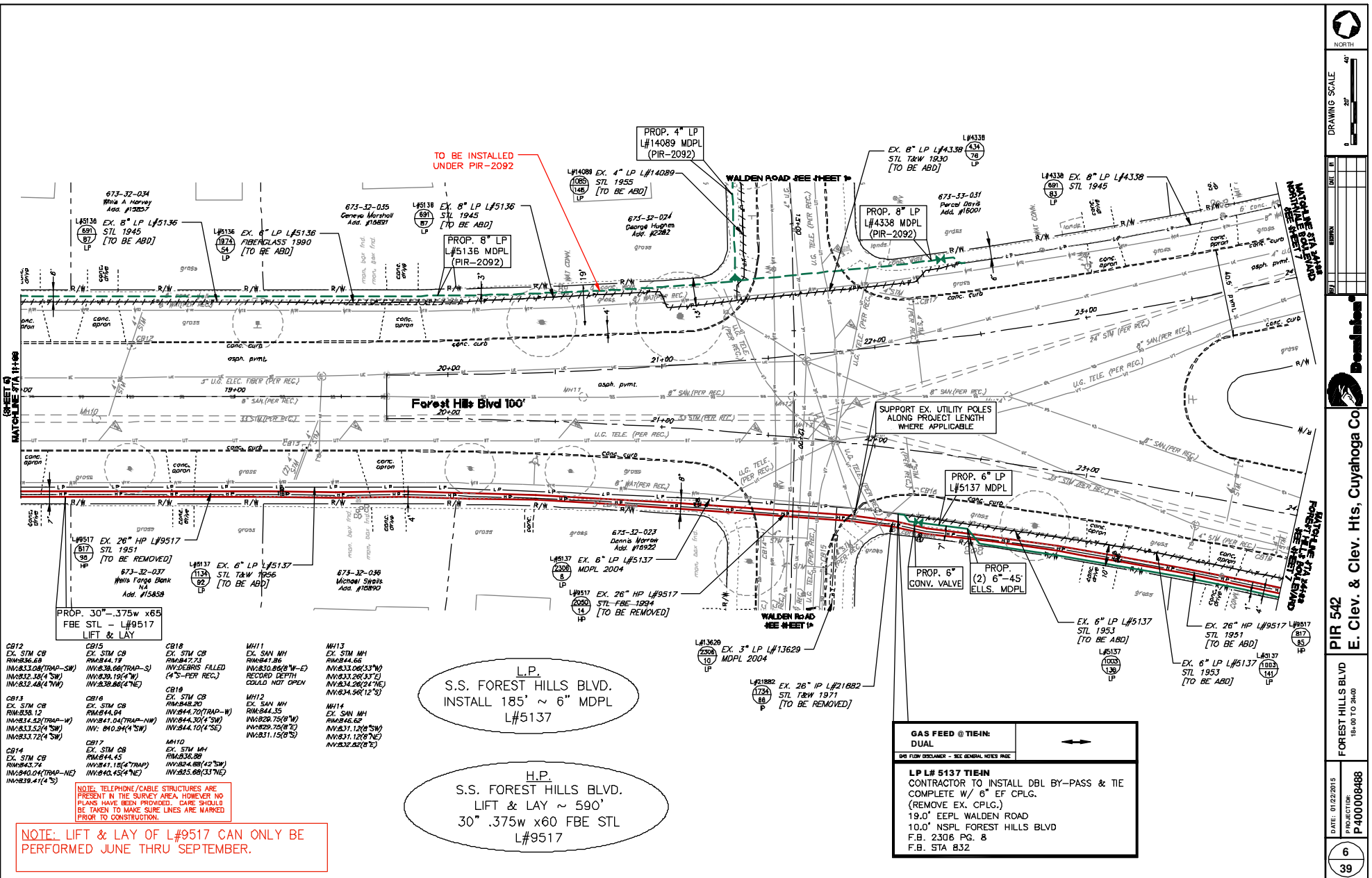
**GAS FEED @ TIE-IN:**  
ONE FLOW DIRECTION - SEE GENERAL NOTES PAGE  
**HP L# 15312 TIE-IN**  
CONTRACTOR TO REMOVE EX. 18"x12" WLD RDOR 12" FLG GT VLV #143 OTHER APPURTENANCES  
CONTRACTOR TO INSTALL 18" SHAPED NIPPL APPROX. 8" 30"x16" FULL ENCIRCLEMENT y60 SADDLE 2-16" WN FLGS 300 ANSE RF .375w y52 1-16" KEROTEST GT VLV 300 ANSI FLG/FLG 1-18" 90° WLD ELL .375w y52 APPROX. 10' 16" FBE STL .375w y42 1-18"x16" WLD RDOR .375x.375 y52 2-16" WN FLGS 300 ANSI RF .375w y52 1-18" 300 ANSI INSKIT RE-ESTABLISH TEST PT 029-154.10 2#12 BLK WIRES SOUTH 2#12 RED WIRES NORTH INSTALL 17# ANODE ON 18" 75.5' EEPL LEE ROAD 18.5' NSPL FOREST HILLS BLVD F.B. 1734 PG. 66 F.B. STA 68

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE AND RELEASES DESIGN AND CONSTRUCTION OF THE WORKS WHO AGREE TO BEAD MANAGED AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH THE WORK.

Source Dwg: C:\Users\derek96\appdata\local\temp\AcPublish\_6729\02 PR 042 Forest Hills Blvd FINAL.dwg Date: Mar 04, 2016: 9:30am Owner: derek96



THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE AND RELEASES DESIGN AND CONSTRUCTION OF THE WORKS, WHO AGREES TO HOLD WAIVER AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH THE WORK.









THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE AND RELEASES DESIGN AND CONSTRUCTION AT THE RISK OF THE USER, WHO AGREES TO HOLD MANUFACTURER AND INVENTOR THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH THE USE.

L.P.  
N.S. MONTICELLO.  
INSTALL 90' ~ 6" MDPL  
L#5136

NOTE: VERIFY NO SERVICE  
ON L#5136 IN THIS AREA.

PROP. 6" 300 ANSI  
GATE VALVE #

INSTALL 30"x6" FULL ENCIRCLEMENT SADDLE  
2-6" WPL FLGS 300# RF .280w GRB  
1-6" GT VLV 300# FLG/FLG

PROP. 6"-45" ELL.  
.280w GRB

H.P.  
N.S. FOREST HILLS BLVD.  
INSTALL ~ 505'  
30" .375w x60 FBE STL  
L#9517

PROP. 30"-45" ELL.  
30"-.375w y65 FBE STL

PROP. 8" LP  
L#5136 MDPL

SUPPORT EX. UTILITY  
POLES ALONG PROJECT  
LENGTH WHERE APPLICABLE

MONTICELLO  
BOULEVARD  
SEE SHEET 14

PROP. 6"-.280w GRB  
FBE STL - L#9847  
LIFT & LAY

NOTE: EXISTING LP TO  
BE REMOVED PRIOR TO  
INSTALLATION OF HP

PROP. 30"-.375w x65  
FBE STL - L#9517

C826  
EX. STM CB  
RM#556.96  
INV#54.16(TOP OF WATER)  
TRAPPED

C827  
EX. STM CB  
RM#557.12  
INV#55.52(TRAP-12"SW)  
TOP ELBOW

C828  
EX. STM CB  
RM#558.52  
INV#55.52(12"NW)  
TOP ELBOW

C829  
EX. STM CB  
RM#558.53  
INV#54.93  
(TRAP-12"NE)

M420  
EX. STM MH  
RM#556.96  
INV#45.78(33"NW)  
INV#45.78(33"SE)  
INV#47.08(12"NE)

M421  
EX. STM MH  
RM#556.57  
INV#47.07 (15"SW)

M422  
EX. STM MH  
RM#557.26  
INV#41.46(24"NE&SW)  
INV#42.86(8"SE)

M423  
EX. STM MH  
RM#558.90  
INV#47.90(33"NW)  
INV#47.90(30"SE)

M424  
EX. STM MH  
RM#559.05  
INV#45.25(8"NW&SE)

M448  
EX. STM MH  
RM#557.70  
INV#49.40(12"SE)  
INV#48.40(12"NE)

NOTE: LIFT & LAY OF L#9517 CAN ONLY BE  
PERFORMED JUNE THRU SEPTEMBER.

NOTE: TELEPHONE/CABLE STRUCTURES ARE  
PRESENT IN THE SURVEY AREA, HOWEVER NO  
PLANS HAVE BEEN PROVIDED. CARE SHOULD  
BE TAKEN TO MAKE SURE LINES ARE MARKED  
PRIOR TO CONSTRUCTION.

GAS FEED @ TIE-IN:  
DUAL

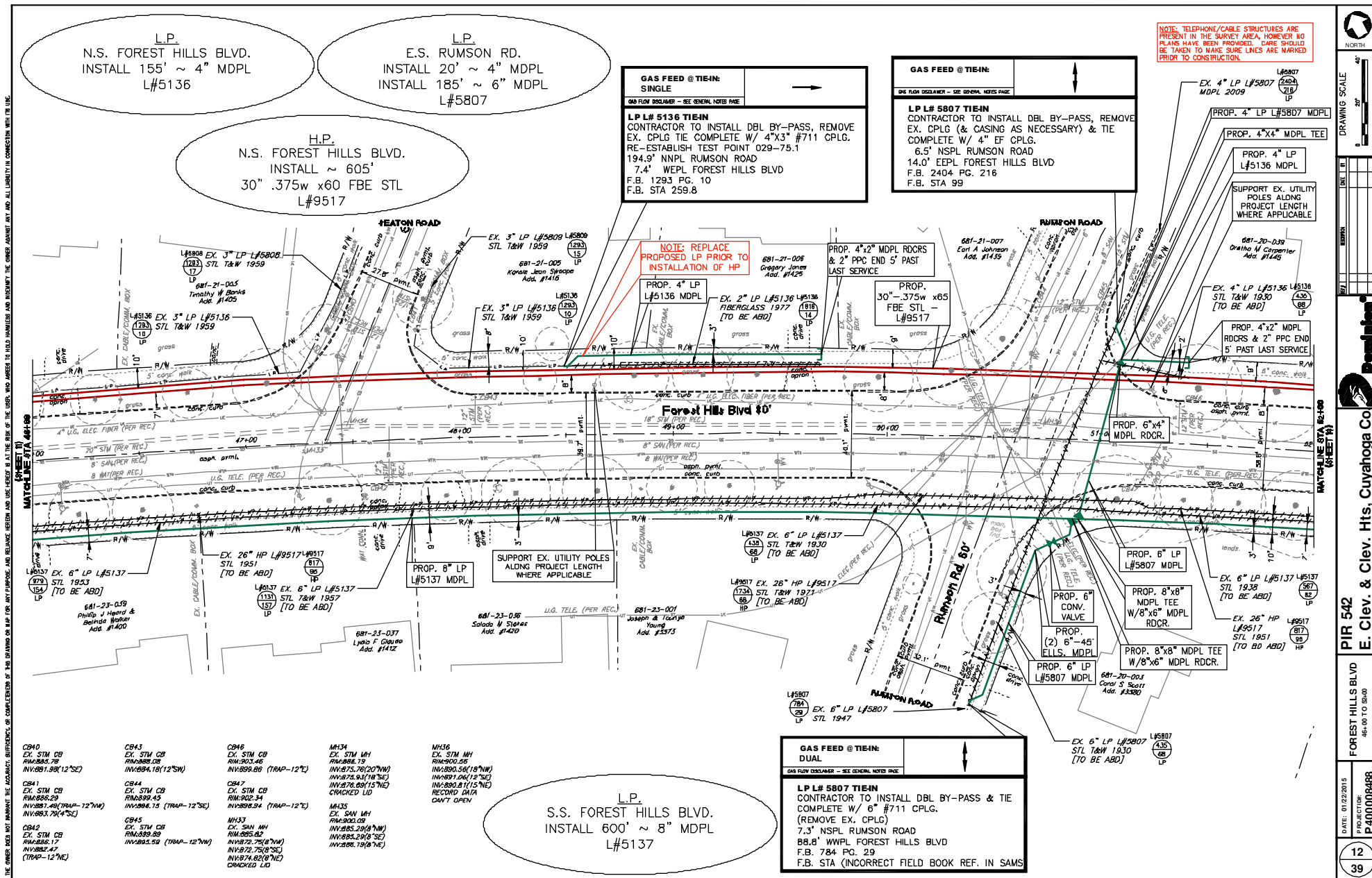
L.P. L# 1169 TIE-IN  
CONTRACTOR TO INSTALL DBL BY-PASS & TIE  
COMPLETE W/ 8" #711 CPLG.  
(REMOVE EX. CPLG.)  
9.8" NSPL MONTICELLO BLVD  
13.5" WPL FOREST HILLS BLVD  
F.B. 936 PG. 151  
F.B. STA 45.5

L.P.  
S.S. FOREST HILLS BLVD.  
INSTALL 300' ~ 8" MDPL  
L#5137









THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE AND RELEASES DESIGN AND CONSTRUCTION OF THE WORK, WHO AGREES TO HOLD HANDED AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH THE WORK.

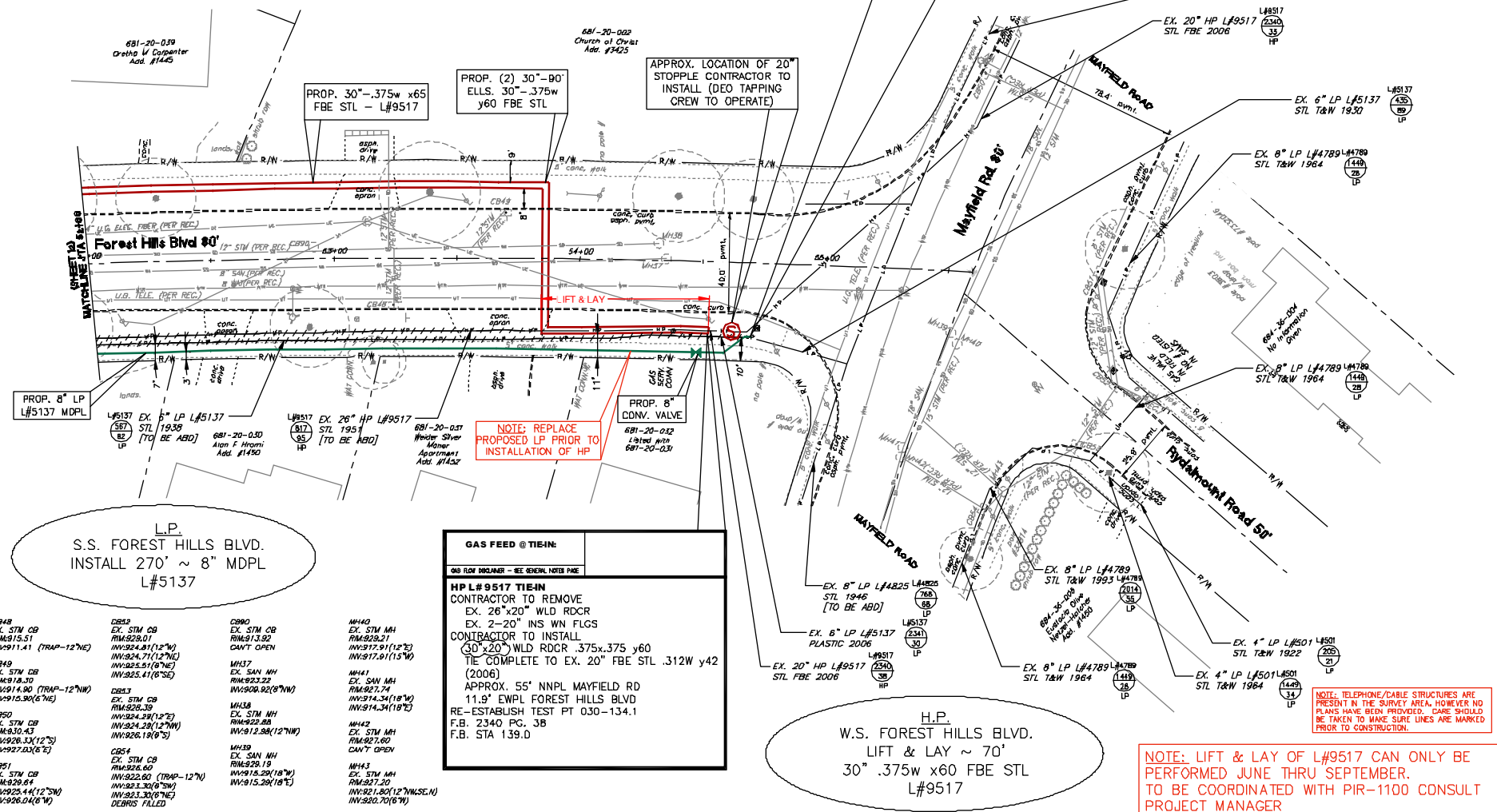
Source Dwg: C:\Users\derek96\appdata\local\temp\AcPublish\_5729\02\_PIR 542 Forest Hills Blvd FINAL.dwg Date: Mar 04, 2016 9:30am Owner: derek96

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE AND RELEASES DESIGN AND INDEMNITY THE ENGINEER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH THIS DRAWING.

H.P.  
E.S. FOREST HILLS BLVD.  
INSTALL ~ 190'  
30" .375w x60 FBE STL  
L#9517

H.P.  
X.O. FOREST HILLS BLVD.  
INSTALL ~ 60'  
30" .375w x60 FBE STL  
L#9517

**GAS FEED @ TIE-IN:**  
DUAL  
ONE FLOW DISCHARGER - SEE GENERAL NOTES PAGE  
**LP L# 5137 TIE-IN**  
CONTRACTOR TO INSTALL DBL BY-PASS, REMOVE EX. CPLG & TIE COMPLETE W/ 8"X6" MDPL RDCR, & 6" #711 CPLG.  
34.5' NNPL MAYFIELD ROAD  
9.7' EWPL FOREST HILLS BLVD  
F.B. 2341 PG. 30  
F.B. STA 122



**GAS FEED @ TIE-IN:**  
ONE FLOW DISCHARGER - SEE GENERAL NOTES PAGE  
**HP L# 9517 TIE-IN**  
CONTRACTOR TO REMOVE EX. 26"X20" WLD RDCR EX. 2-20" INS WN FLGS  
CONTRACTOR TO INSTALL 30"X20" WLD RDCR .375x.375 y60 TIE COMPLETE TO EX. 20" FBE STL .312W y42 (2006)  
APPROX. 55' NNPL MAYFIELD RD  
11.9' EWPL FOREST HILLS BLVD  
RE-ESTABLISH TEST PT 030-134.1  
F.B. 2340 PG. 38  
F.B. STA 139.0

**NOTE: LIFT & LAY OF L#9517 CAN ONLY BE PERFORMED JUNE THRU SEPTEMBER. TO BE COORDINATED WITH PIR-1100 CONSULT PROJECT MANAGER**

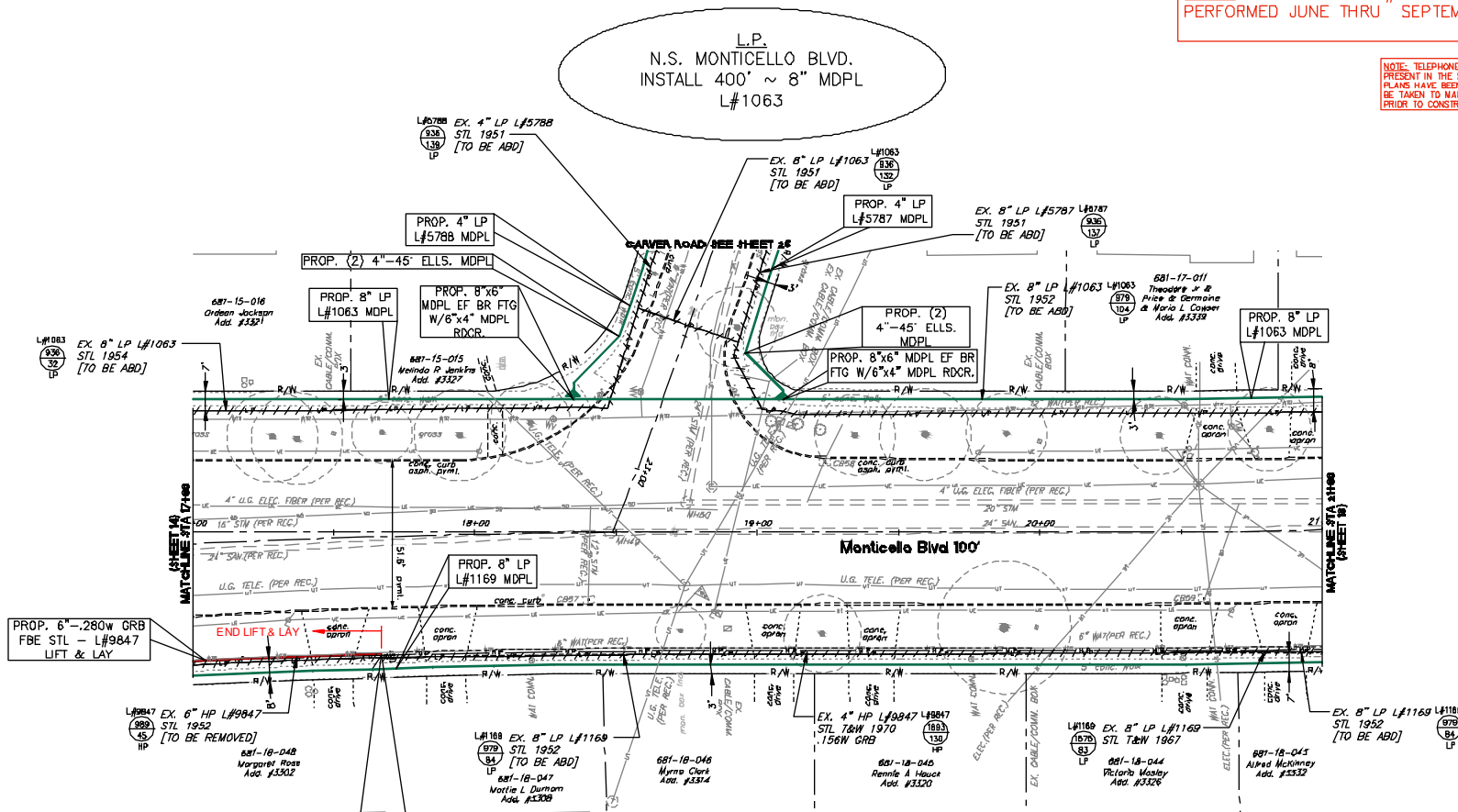
PIR 542  
E. Clev. & Clev. Hts, Cuyahoga Co  
FOREST HILLS BLVD  
52.00 TO 56.00  
DATE: 01/22/2015  
PRODUCTION  
P400008488  
13  
39



THE OWNER HAS NOT WARRANTED THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE AND RELEASES HEREIN AND AGREES TO HOLD HARMLESS AND INDEMNIFY THE ENGINEER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH THE USE.

NOTE: LIFT & LAY OF L#9847 CAN ONLY BE PERFORMED JUNE THRU SEPTEMBER.

NOTE: TELEPHONE/CABLE STRUCTURES ARE PRESENT IN THE SURVEY AREA, HOWEVER NO PLANS HAVE BEEN PROVIDED. CARE SHOULD BE TAKEN TO MAKE SURE LINES ARE MARKED PRIOR TO CONSTRUCTION.



GAS FEED @ TIE-IN:	
ONE ROW DISCONNECT - SEE GENERAL NOTES PAGE	
<b>HP L#9847 TIE-IN</b>	
CONTRACTOR TO REMOVE EX. 6\"	
6\"	
17\"	
APPROX. 922.0' W/PL HEREFORD RD	
8.1' NSPL MONTICELLO BLVD	
TEST POINT 029-159.1	
2-#12 BLK WIRES WEST	
2-#12 RED WIRES EAST	
17\"	
F.B. 1693 PG. 130	
F.B. STA 1310.0	

L.P.  
S.S. MONTICELLO BLVD.  
LIFT & LAY ~ 70'  
6\"

L.P.  
S.S. MONTICELLO BLVD.  
INSTALL 400' ~ 8\"

CB57  
EX. STM CB  
RM#807.97  
INV#854.07(12\"N)  
ELBOW MAT LEVEL

CB58  
EX. STM CB  
RM#808.04  
INV#854.04(12\"SW)  
ELBOW MAT LEVEL  
INV#855.54(4\"NE)

CB59  
EX. STM CB  
RM#808.40  
INV#854.50(12\"NE)  
ELBOW MAT LEVEL

M#449  
EX. SAN MH  
RM#808.81  
INV#844.31(24\"NE&SW)

M#50  
EX. STM MH  
RM#808.79  
INV#847.28(15\"SW)  
INV#846.09(20\"NE)  
INV#846.28(24\"NW)



NORTH

[illegible]


**Don't**

PIR 542  
E. Clev. & Clev. Hts, Cuyahoga Co

**MONTICELLO BLVD**  
21+00 TO 26+00

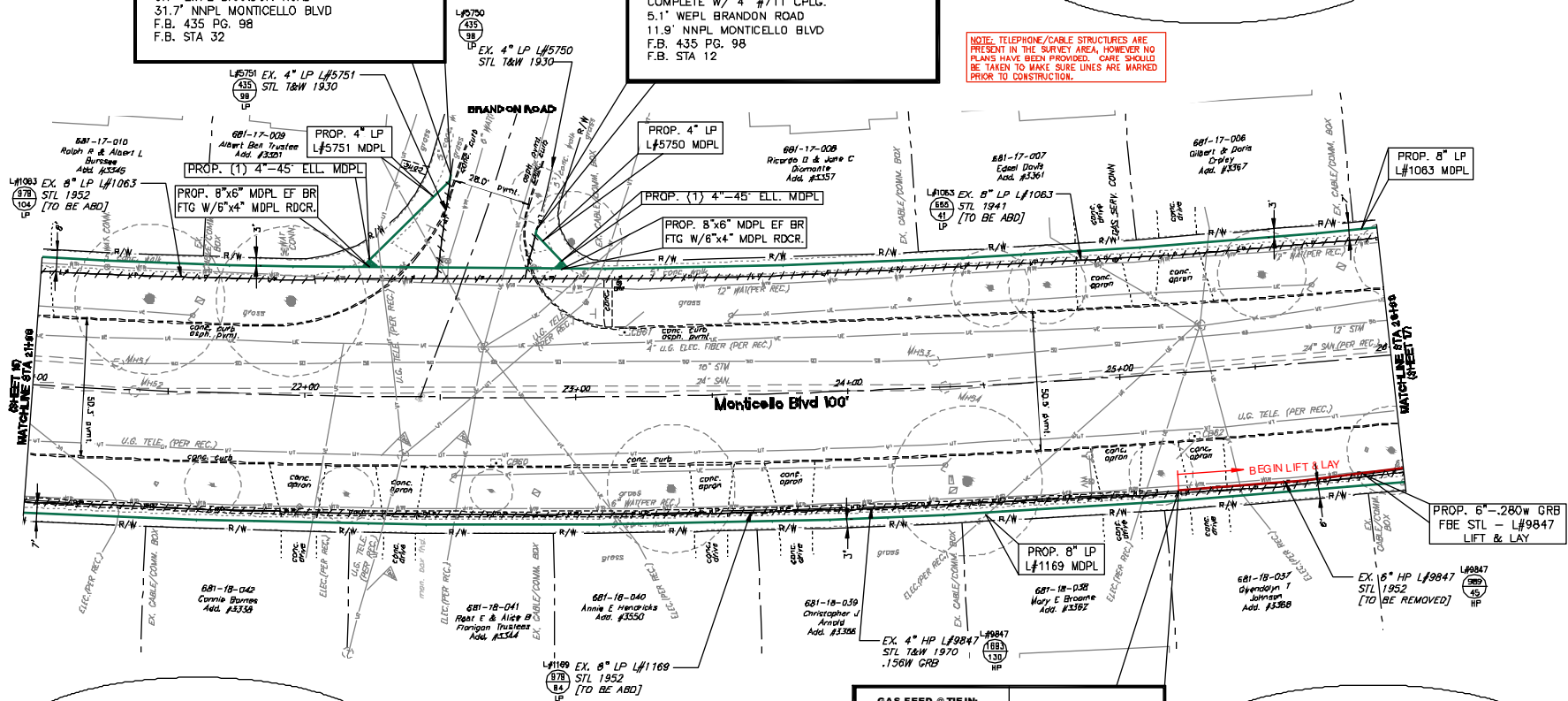
DATE: 01/22/2015  
PROJECTID: P400008488



<b>GAS FEED @ TIE-IN:</b> <b>DUAL</b>	
SEE FLOW DISCHARGER - SEE GENERAL NOTES PAGE	
<p><b>LPL# 5750 TIE-IN</b>          CONTRACTOR TO INSTALL DBL BY-PASS &amp; TIE          COMPLETE W/ 4" #711 CPLG.          5.1' WEPL BRANDON ROAD          11.9' NNPL MONTICELLO BLVD          F.B. 435 PG. 98          F.B. STA 12</p>	

L.P.  
N.S. MONTICELLO BLVD.  
INSTALL 490' ~ 8" MDPL  
L#1063

**NOTE:** TELEPHONE/CABLE STRUCTURES ARE PRESENT IN THE SURVEY AREA, HOWEVER NO PLANS HAVE BEEN PROVIDED. CARE SHOULD BE TAKEN TO MAKE SURE LINES ARE MARKED PRIOR TO CONSTRUCTION.



L.P.  
S.S. MONTICELLO BLVD.  
INSTALL 510' ~ 8" MDPL  
L#1169

W.S. BRANDON RD  
INSTALL 45' ~ 4" MDPL  
L#5751

H.P.  
S.S. MONTICELLO BLVD.  
LIFT & LAY ~ 85'  
6" .312w x42 FBE STL  
L#9847

<b>GAS FEED @ TIE-IN:</b>	
<b>ONE FLOW DECLINER -- SEE GENERAL NOTES PAGE</b>	

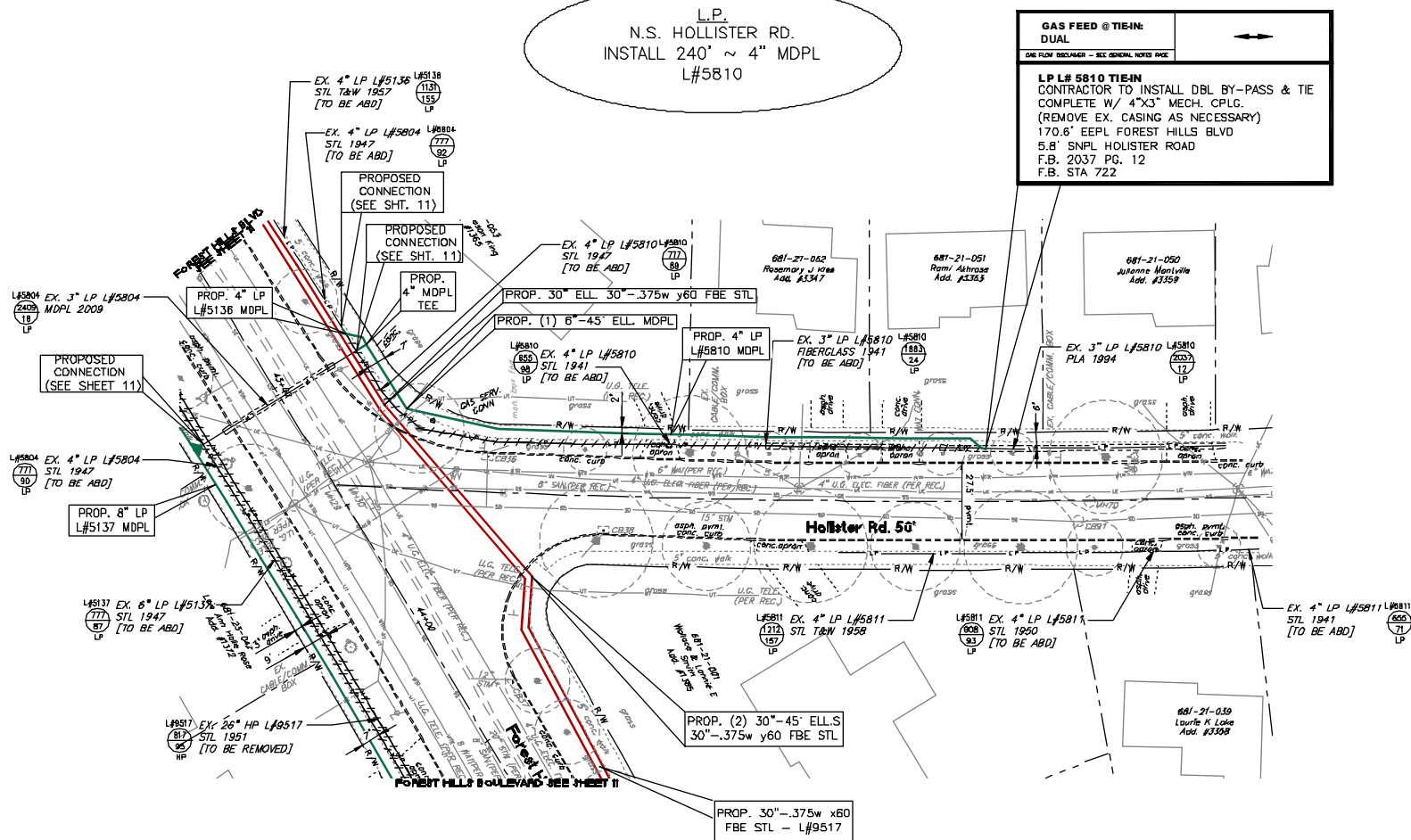
  

<p><b>HPL #9847 TIE-IN</b></p> <p>CONTRACTOR TO REMOVE EX. 6" CPLG &amp; INSTALL          1" 6"x4" WLLQ RDR .280x237 GRB</p> <p>TEST POINT Q209--158.1</p> <p>2--#12 BLK WIRES WEST</p> <p>2--#12 RED WIRES EAST</p> <p>17# ANODE ANODE D.7 1970 PIPE</p> <p>6.9' NSPL MONTECELLO BLVD</p> <p>170.3' WWPL HEREFORD RD</p> <p>F.B. 1693 PG. 130</p> <p>F.B. STA 551.0</p>
--

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETION OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.




THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELEASES DESIGN AND INDEMNITY THE ENGINEER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH THIS.



NOTE: LIFT & LAY OF L#9517 CAN ONLY BE PERFORMED JUNE THRU SEPTEMBER.


NOTE: TELEPHONE/CABLE STRUCTURES ARE PRESENT IN THE SURVEY AREA, HOWEVER NO PLANS HAVE BEEN PROVIDED. CARE SHOULD BE TAKEN TO MAKE SURE LINES ARE MARKED PRIOR TO CONSTRUCTION.

C836  
EX. STM CB  
RIM#870.47  
INV#886.47(12\"/>  
C837  
EX. STM CB  
RIM#872.72  
INV#888.92  
(TRAP-12\"/>  
C838  
EX. STM CB  
RIM#871.18  
INV#886.08(12\"/>  
C891  
EX. STM CB  
RIM#874.61  
INV#886.71(15\"/>  
M#29  
EX. SAN MH  
RIM#870.46  
INV#856.46(9\"/>  
M#30  
EX. SAN MH  
RIM#870.80  
INV#859.46(24\"/>  
M#70  
EX. SAN MH  
RIM#874.83  
INV#883.33(9\"/>




NORTH

DRAWING SCALE



0 20 40

DATE	BY	CHK	APP
01/22/2015			
01/22/2015			
01/22/2015			
01/22/2015			



Beaulieu

PIR 542

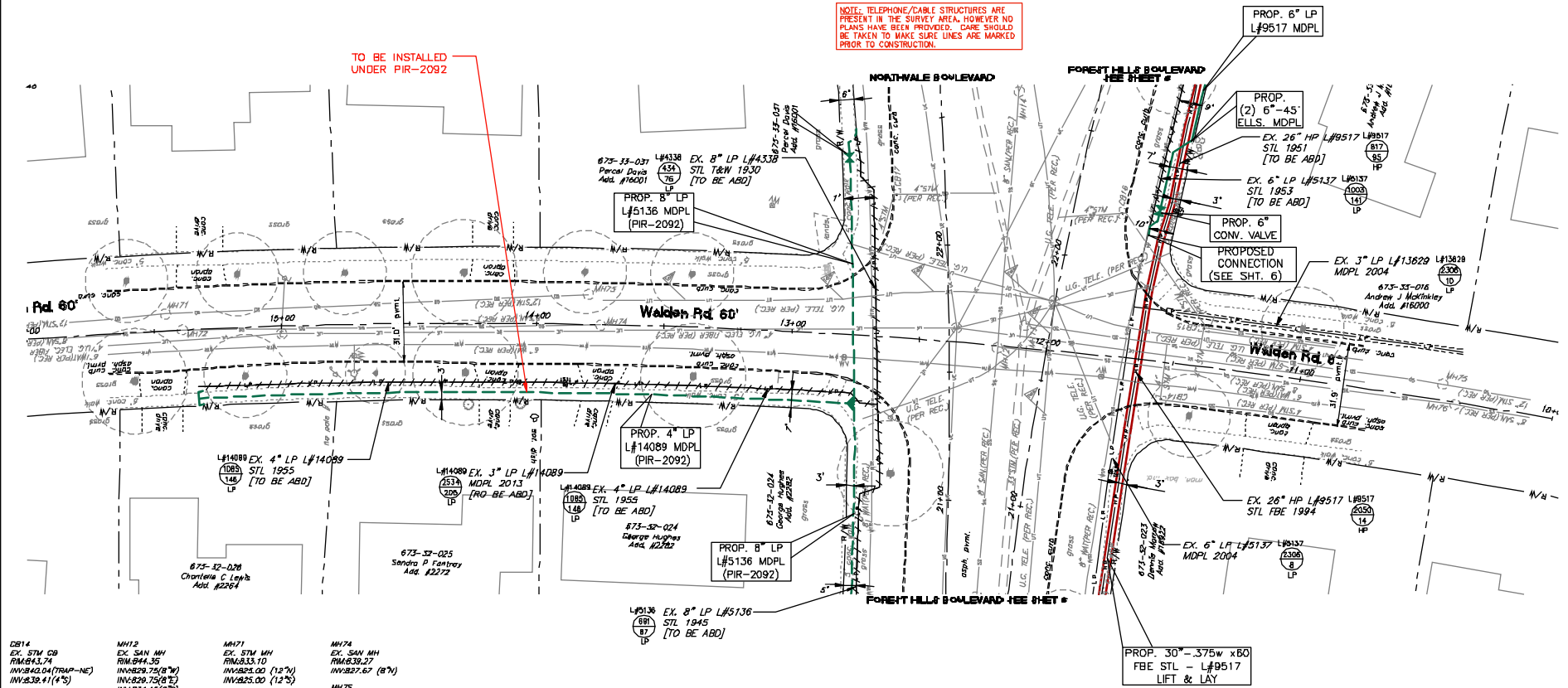
E. Clev. & Clev. Hts, Cuyahoga Co

HOLLISTER ROAD

DATE: 01/22/2015  
PRODUCTION:  
P400008488

18  
39

NOTE: TELEPHONE/CABLE STRUCTURES ARE PRESENT IN THE SURVEY AREA. HOWEVER NO PLANS HAVE BEEN PROVIDED. CARE SHOULD BE TAKEN TO MAKE SURE LINES ARE MARKED PRIOR TO CONSTRUCTION.



CB14	MH12	MH71	MH74
INV STM CB	INV SAN MH	INV STM MH	INV SAN MH
RM4643.74	RM494.35	RM43.10	RM430.27
INV420.40(79AP-NE)	INV429.75(87W)	INV425.00 (127W)	INV427.67 (87W)
INV438.41(47E)	INV439.75(87W)	INV433.00 (125S)	
	RM431.12(87S)		
CB16	MH13	MH72	MH75
INV STM CB	INV STM MH	INV STM MH	INV STM MH
RM494.19	RM43.31	RM43.31	RM43.31
INV439.69(79AP-S)	RM44.66	INV427.91 (87W)	INV437.19(127W)
INV438.19(47E)	RM433.66	INV427.91 (87W)	INV437.19(127S)
	INV431.26(117S)		
	INV431.26(247E)		
CB18	MH14	MH73	
INV STM CB	INV STM MH	INV STM MH	
RM444.94	RM43.39	RM43.39	
INV441.04(79AP-NW)	INV431.56(127W)	INV431.56(127W)	
INV 440.94(47SW)			
	RM446.62		
CB17	MH15		
INV STM CB	INV STM MH		
RM444.43	INV431.12(87SW)		
INV441.15(47TRAP)	INV431.12(87NE)		
INV440.45(47NE)	INV431.82(87E)		

Source Dwg: C:\Users\derek96\appdata\local\temp\AcPublish\_5729\02 PR 042 Forest Hills Blvd FINAL.dwg Date: Mar 04, 2016: 9:30am Owner: derek96

 NORTH	DRAWING SCALE 	SHEET NO.	DATE	BY	CHECKED BY

**PIR 542**

**E. Clev. & Clev. Hts, Cuyahoga Co**

**WALDEN ROAD**

PROJECTION: 16x-00 TO 90-00

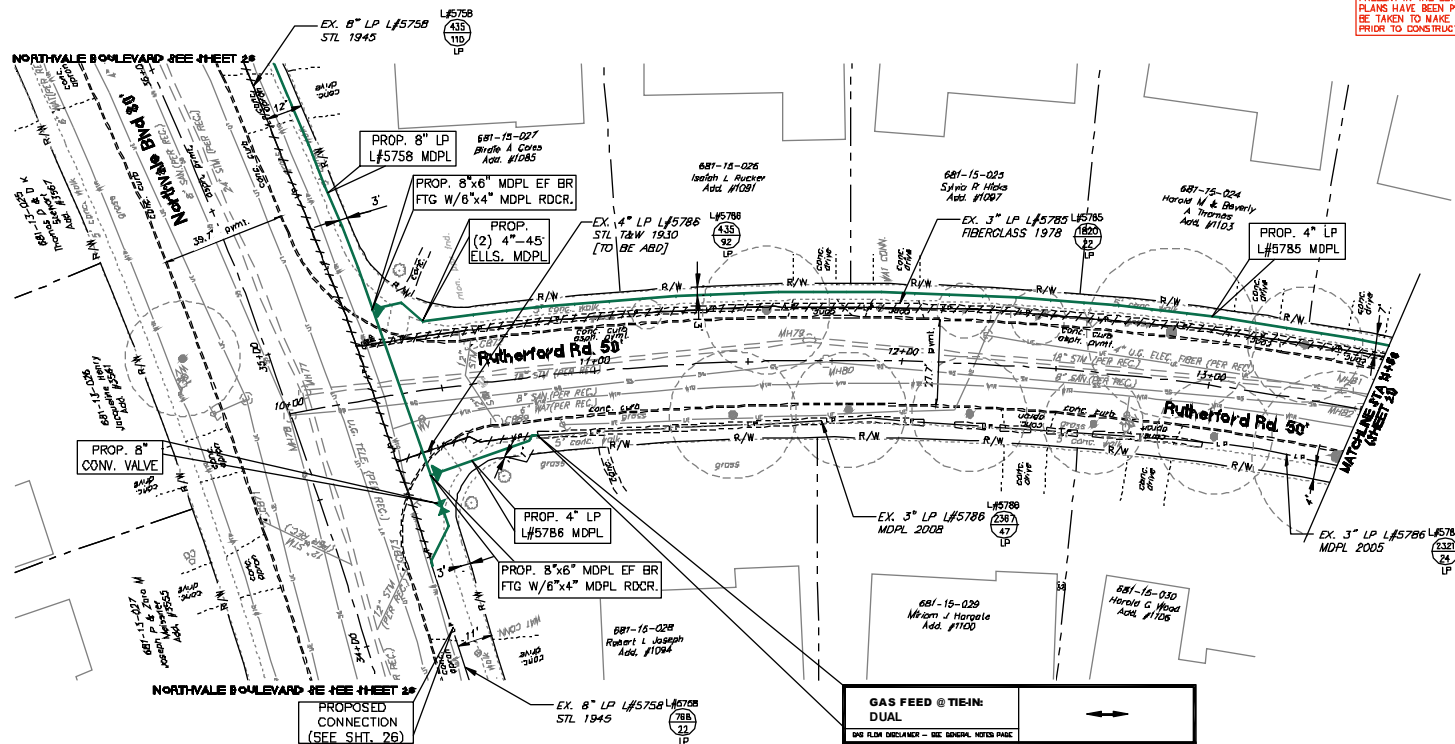
DATE: 02/22/2015

PROJECT NO: P400008488

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELEASES DESIGN AND CONSTRUCTION FROM LIABILITY IN CONNECTION WITH THIS.

DB71  
EX. STM CB  
RMA#46.01  
INV#41.91(12"SE)  
DB72  
EX. STM CB  
RMA#46.01  
INV#43.01(11A-12"SE)  
DB73  
EX. STM CB  
RMA#46.36  
INV#42.06(12"SW)  
DB89  
EX. STM CB  
RMA#46.79  
INV#42.99(11A-12"SE)  
MH77  
EX. STM MH  
RMA#46.48  
INV#36.58(24"NE-SW)  
INV#36.58(18"SE)  
MH78  
EX. STM MH  
RMA#46.49  
INV#31.89(10"NE-SW)  
INV#32.79(8"SE)  
MH79  
EX. STM MH  
RMA#49.35  
INV#36.75(18"NW)  
INV#39.75(18"SE)  
MH80  
EX. STM MH  
RMA#49.70  
INV#36.30(8"NW)  
INV#36.30(8"SE)  
MH81  
EX. STM MH  
RMA#52.45  
INV#44.25(18"NW)  
INV#43.55(12"SE)  
MH82  
EX. STM MH  
RMA#52.63  
INV#39.43(8"NW)  
INV#38.43(8"SE)

L.P.  
W.S. RUTHERFORD RD.  
INSTALL 40' ~ 4" MDPL  
L#5786



**GAS FEED @ TIE-IN:**  
DUAL  
ONE INCH DISCONNECT - SEE GENERAL NOTES PAGE  
**LP L# 5786 TIE-IN**  
CONTRACTOR TO INSTALL DBL BY-PASS CUT &  
TIE COMPLETE W/ 4"x3" MDPL RDOR. & 3" EF  
CPLG.  
(REMOVE CASING AS NECESSARY)  
33.0' EEP NORTHVALE BLVD  
6.0' NSPL RUTHERFORD ROAD  
F.B. 2367 PG. 47  
F.B. STA 114

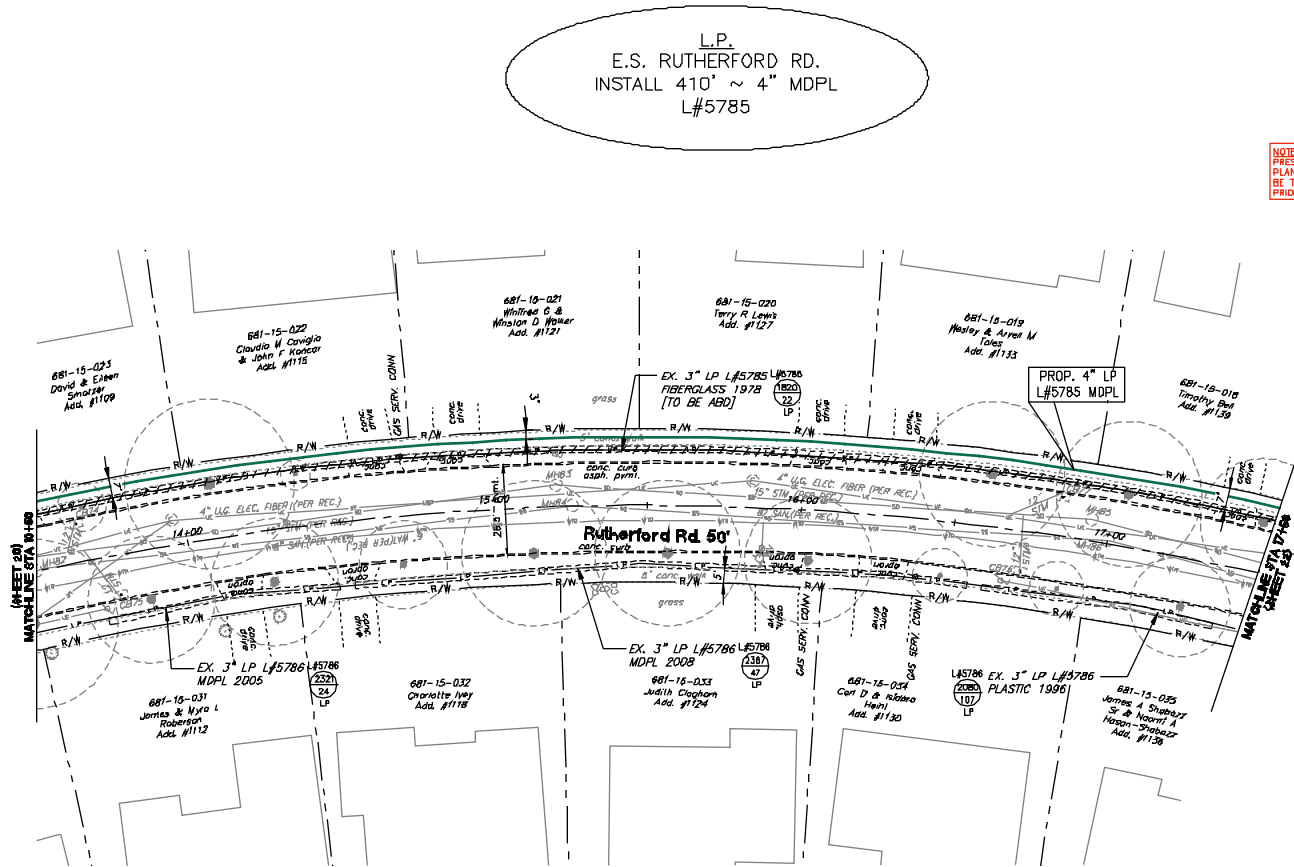
L.P.  
E.S. RUTHERFORD RD.  
INSTALL 335' ~ 4" MDPL  
L#5785

NOTE: TELEPHONE/CABLE STRUCTURES ARE  
PRESENT IN THE SURVEY AREA, HOWEVER NO  
PLANS HAVE BEEN PROVIDED. CARE SHOULD  
BE TAKEN TO MARK SURE LINES ARE MARKED  
PRIOR TO CONSTRUCTION.



THE OWNER HAS NOT PERMITTED THE LOCALITY SURVEYOR TO CONDUCT A SURVEY OF THE PROPERTY. THE SURVEYOR HAS BEEN ADVISED BY THE OWNER THAT THE PROPERTY IS NOT BEING SURVEYED. THE SURVEYOR HAS BEEN ADVISED BY THE OWNER THAT THE PROPERTY IS NOT BEING SURVEYED. THE SURVEYOR HAS BEEN ADVISED BY THE OWNER THAT THE PROPERTY IS NOT BEING SURVEYED.

C874  
EX. STM CB  
RMA852.20  
INV848.70(72°W)  
C875  
EX. STM CB  
RMA852.40  
REC72AP-12°W  
DEPTHS FILLED  
C876  
EX. STM CB  
RMA854.58  
INV850.98(12°TRAP-W)  
C877  
EX. STM CB  
RMA854.68  
INV851.18(12°TRAP-W)  
M182  
EX. SAN MH  
RMA852.63  
INV849.43(8°W)  
INV849.43(8°SE)  
M183  
EX. STM MH  
RMA854.85  
INV845.78(10°W)  
INV845.78(15°SE)  
M184  
EX. SAN MH  
RMA854.28  
INV845.48(8°W)  
REC. DEPTH  
COULD NOT OPEN  
M185  
EX. STM MH  
RMA854.23  
INV847.13(15°W)  
INV847.13(15°S)  
REC. DEPTHS  
ASPH. SHUT  
M186  
EX. SAN MH  
RMA854.41  
INV847.81(8°W)  
INV843.81(8°S)



NOTE: TELEPHONE/CABLE STRUCTURES ARE PRESENT IN THE SURVEY AREA, HOWEVER NO PLANS HAVE BEEN PROVIDED. CARE SHOULD BE TAKEN TO MAKE SURE LINES ARE MARKED PRIOR TO CONSTRUCTION.



DRAWING SCALE  
0 20' 40'

DATE	BY	CHK	APP



PIR 542  
E. Clev. & Clev. Hts. Cuyahoga Co

RUTHERFORD RD  
13+60 TO 17+50

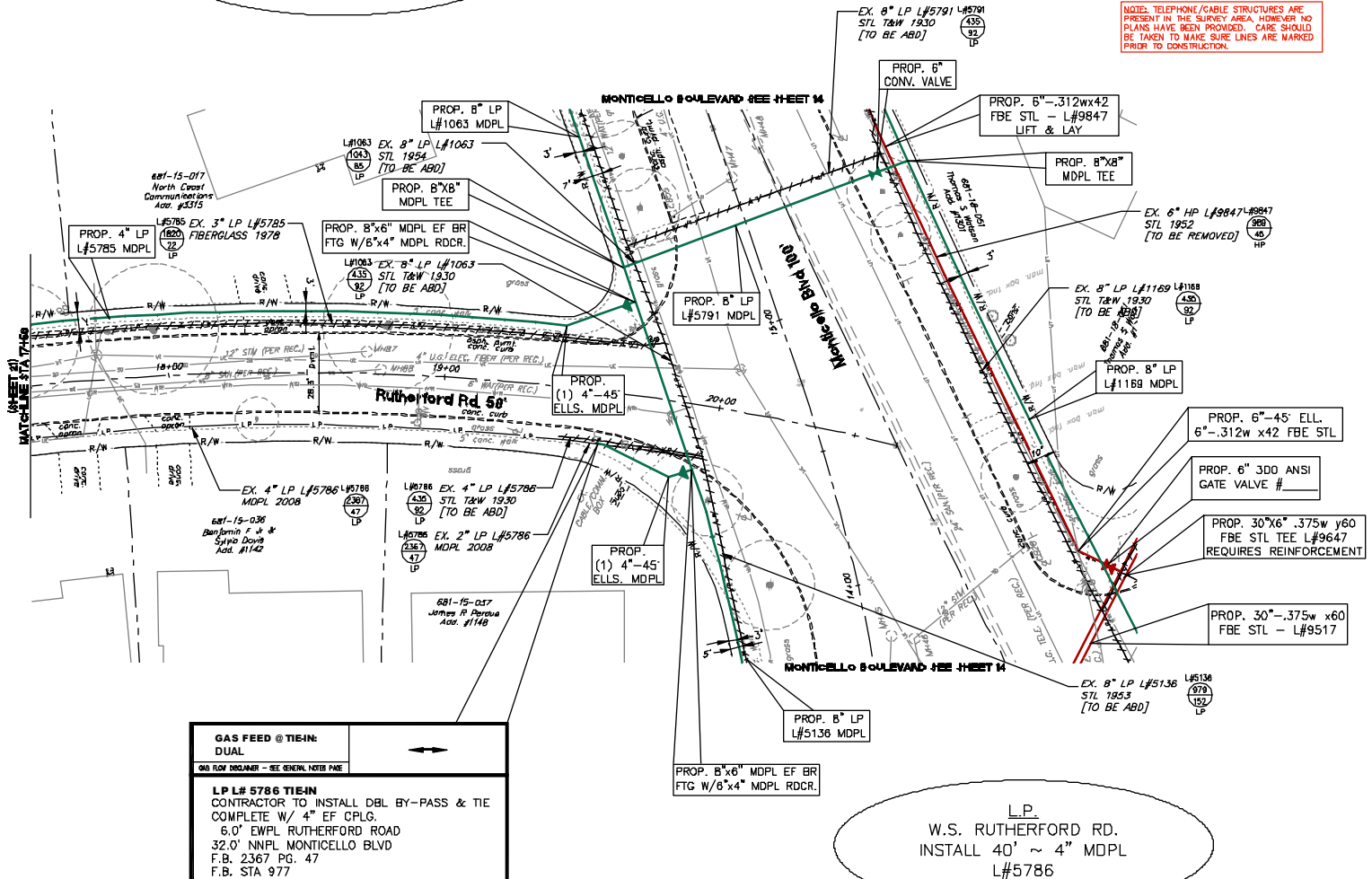
DATE: 01/22/2015  
PROJECT:  
P400008488

21  
39

L.P.  
E.S. RUTHERFORD RD.  
INSTALL 220' ~ 4" MDPL  
L#5785

NOTE: LIFT & LAY OF L#9847 CAN ONLY BE PERFORMED JUNE THRU SEPTEMBER.

NOTE: TELEPHONE/CABLE STRUCTURES ARE PRESENT IN THE SURVEY AREA, HOWEVER NO PLANS HAVE BEEN PROVIDED. CARE SHOULD BE TAKEN TO MAKE SURE LINES ARE MARKED PRIOR TO CONSTRUCTION.



**GAS FEED @ TIE-IN:**  
DUAL

**L.P. L# 5786 TIE-IN**  
CONTRACTOR TO INSTALL DBL BY-PASS & TIE COMPLETE W/ 4" EF CPLG.  
6.0' EWPL RUTHERFORD ROAD  
32.0' NNPL MONTICELLO BLVD  
F.B. 2367 PG. 47  
F.B. STA 977

CB28  
EX. STN CB  
RIN:856.82  
W/853.21(12'W)  
TOP ELBOW

CB29  
EX. STN CB  
RIN:857.31  
W/853.21(12'S)  
ELBOW NAT LEVEL

MH48  
EX. SAN MH  
RIN:857.50  
W/844.80(8'W)

MH48  
EX. STN MH  
RIN:857.70  
W/849.40(12'E)  
W/848.40(12'W)

MH47  
EX. STN MH  
RIN:858.14  
W/849.34(13'NE)

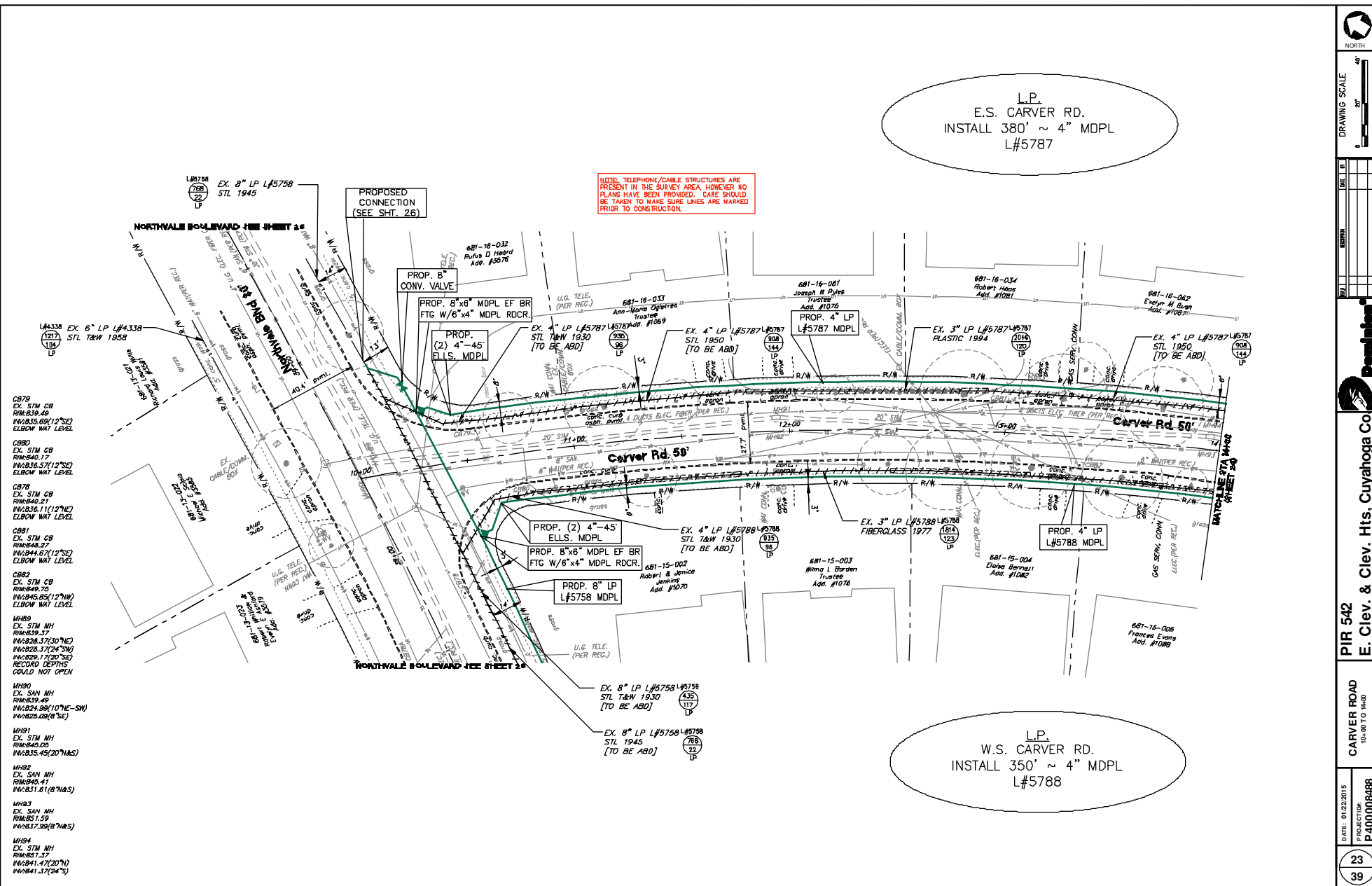
MH48  
EX. SAN MH  
RIN:858.04  
W/842.44(24'NE&SW)

MH47  
EX. STN MH  
RIN:858.26  
W/848.78(12'W)

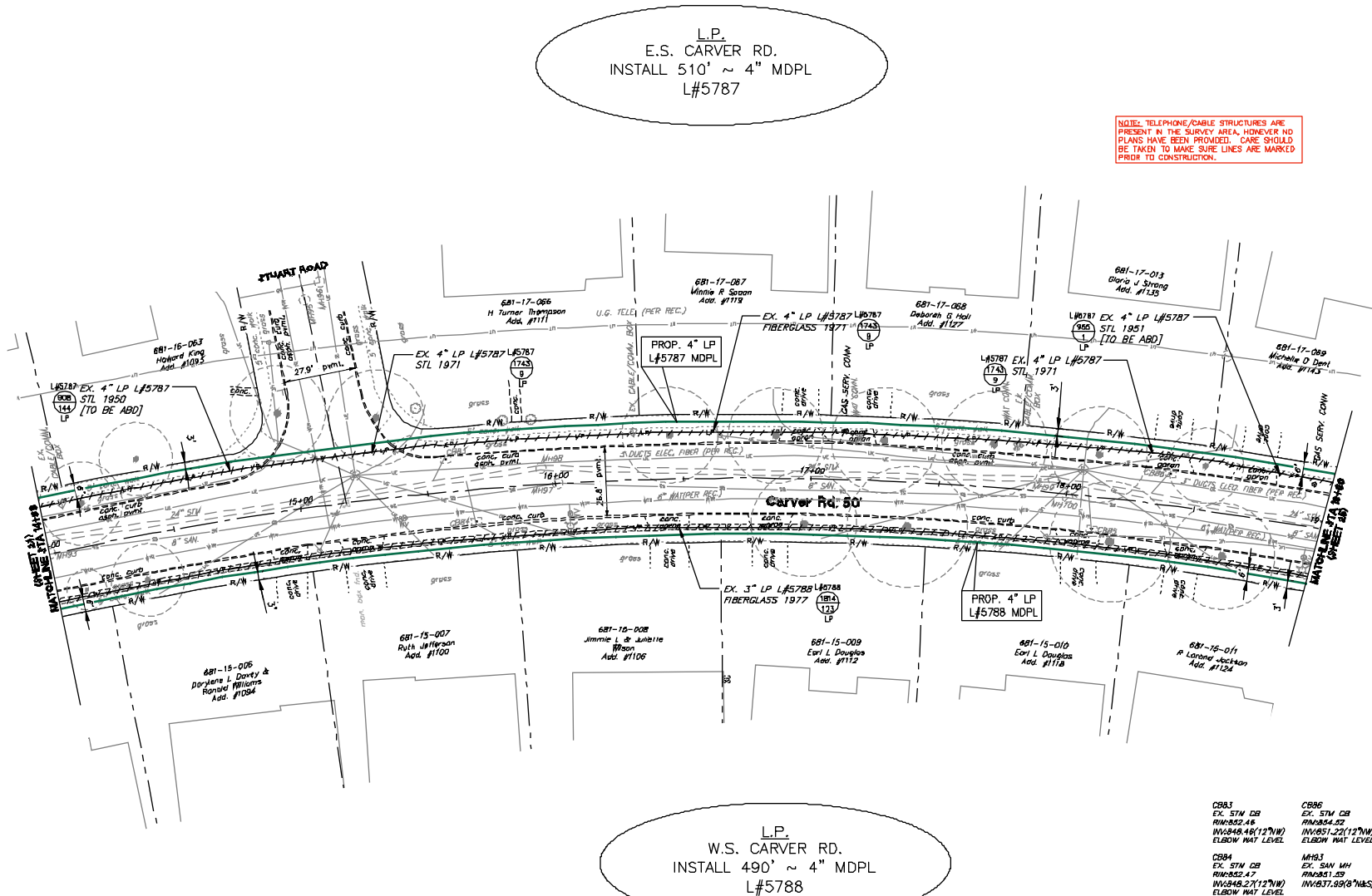
MH48  
EX. SAN MH  
RIN:856.55  
W/849.24(12'W)  
REC. DEPTH  
CRACKED LID

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE AND RELEASES DESIGN AND DESIGNER FROM LIABILITY IN CONNECTION WITH THIS DRAWING.

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE AND RELEASES DESIGN AND USER THEREOF FROM LIABILITY IN CONNECTION WITH THE USE.



THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THE DRAWING OR PLAN FOR ANY PURPOSE AND RELEASE DESIGN AND DESIGNER AT THE SIGN OF THE OWNER AND AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH THE USE.



NOTES: TELEPHONE/CABLE STRUCTURES ARE PRESENT IN THE SURVEY AREA, HOWEVER NO PLANS HAVE BEEN PROVIDED. CARE SHOULD BE TAKEN TO MAKE SURE LINES ARE MARKED PRIOR TO CONSTRUCTION.

CB83 EX. STM DB R/W:82.48 INV:848.48(12'W) ELBOW NAT LEVEL	CB86 EX. STM DB R/W:84.32 INV:851.22(12'W) ELBOW NAT LEVEL	MH97 EX. SAN MH R/W:83.34 INV:839.64(8'W&S)
CB84 EX. STM DB R/W:82.47 INV:848.27(12'W) ELBOW NAT LEVEL WY:849.77(4'NE)	MH93 EX. SAN MH R/W:81.29 INV:837.99(9'W&S)	MH99 EX. STM MH R/W:83.13 INV:842.85(24'W&S)
CB85 EX. STM DB R/W:85.21 INV:850.51(12'W) ELBOW NAT LEVEL	MH95 EX. SAN MH R/W:82.15 INV:841.45(8'NE)	MH98 EX. STM MH R/W:84.06 INV:844.06(24'W&S)
	MH96 EX. STM MH R/W:81.80 INV:843.50(15'NE) INV:844.40(9'W)	MH100 EX. SAN MH R/W:84.78 INV:841.36(9'W&S)

NORTH

DRAWING SCALE

0 20' 40'

DATE	01/22/2015
PROJECT	PIR 542
DESCRIPTION	E. Clev. & Clev. Hts, Cuyahoga Co
SCALE	14'-0" TO 19'-0"
PROJECT NO.	P400008488
DATE	01/22/2015
PROJECT	PIR 542
DESCRIPTION	E. Clev. & Clev. Hts, Cuyahoga Co
SCALE	14'-0" TO 19'-0"
PROJECT NO.	P400008488

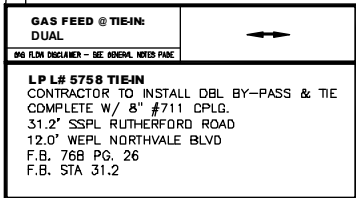
24

39





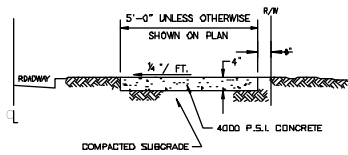
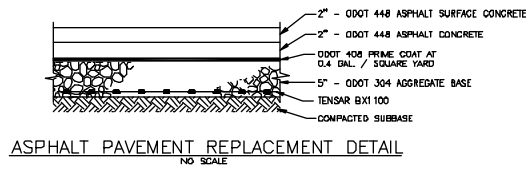
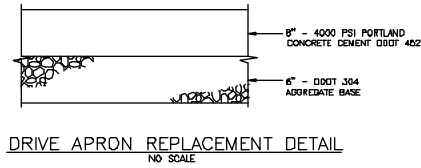
**NOTE:** TELEPHONE/CABLE STRUCTURES ARE PRESENT IN THE SURVEY AREA, HOWEVER NO PLANS HAVE BEEN PROVIDED. CARE SHOULD BE TAKEN TO MAKE SURE LINES ARE MARKED PRIOR TO CONSTRUCTION.



L.P.  
E.S. NORTHAILE BLVD.  
INSTALL 485' ~ 8" MDPL  
L#5758

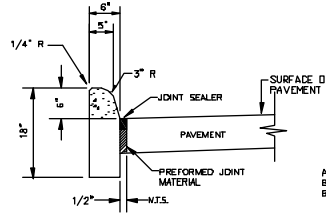
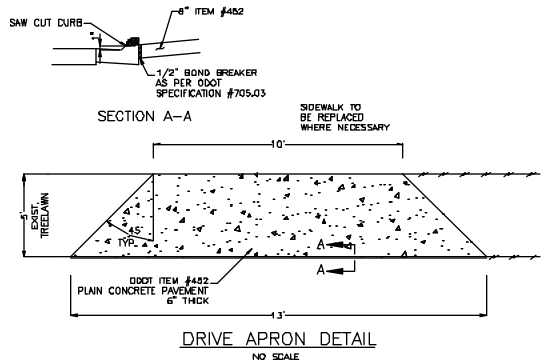
1

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THIS DRAWING OR ANY PART THEREOF FOR ANY PURPOSE AND RELEASE DESIGN AND DESIGNER FROM LIABILITY FOR ANY DAMAGE TO ANY PROPERTY OR PERSONS ARISING FROM THE USE OF THIS DRAWING. THE OWNER AGREES TO HOLD WAIVER AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH THE USE.

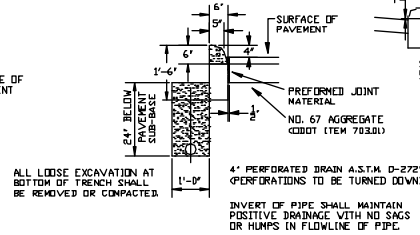


NOTE:  
WALK TO BE DIVIDED INTO SPACED BLOCKS AT APPROXIMATELY 5' INTERVALS.  
EXPANSION JOINT FILLER 1/2" THICK SHALL BE INSTALLED BETWEEN WALK AND ANY  
FIXED STRUCTURE, EXTENDING FOR THE FULL DEPTH OF THE SIDEWALK. THE  
EXPANSION JOINT FILLER SHALL BE 1" THICK WHERE WALK IS INSTALLED AGAINST  
BACK OF CURB.

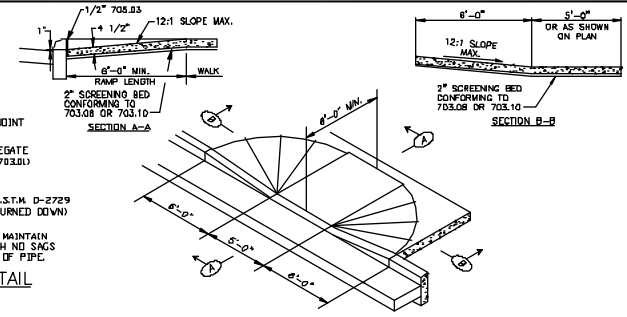
TYPICAL SIDEWALK DETAIL  
NO SCALE



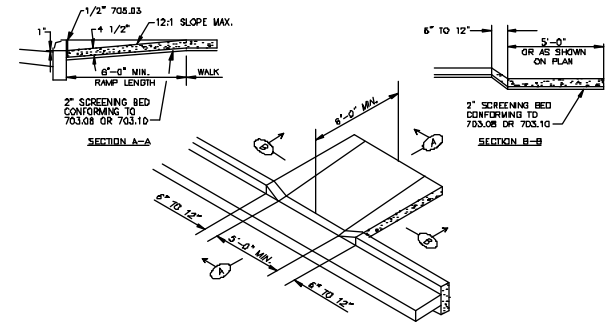
TYPE 6 CURB DETAIL  
NO SCALE



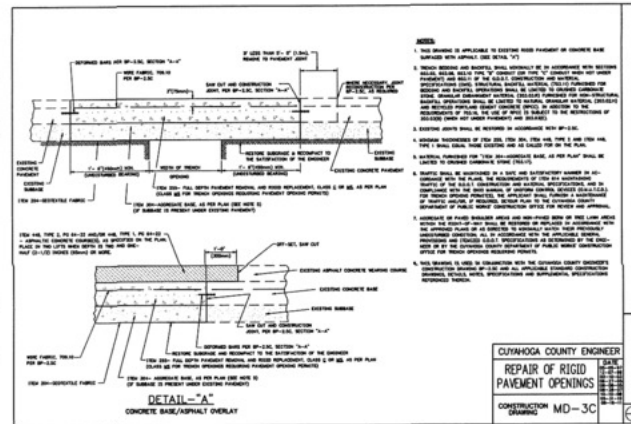
TYPE 6 CURB W/UNDERDRAIN DETAIL  
NO SCALE



NOTE: SAW CUT AND REMOVE EXISTING CURB TO FULL DEPTH, AND REPLACE  
CURB AS SHOWN ADJACENT TO EXISTING CURBS. ALL WORK SHALL CONFORM  
TO ODOT 608, EXCEPT AS MODIFIED BY THE MUNICIPAL SPECIFICATIONS.



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TO ODOT 608, EXCEPT AS MODIFIED BY THE MUNICIPAL SPECIFICATIONS.



CUYAHOGA COUNTY ENGINEER  
REPAIR OF RIGID  
PAVEMENT OPENINGS  
CONSTRUCTION  
MD-3C



DRAWING SCALE  
1\"/>

DATE	BY	CHK	APP



PIR 542  
E. Clev. & Clev. Hts. Cuyahoga Co.

RESTORATION  
DETAILS & NOTES

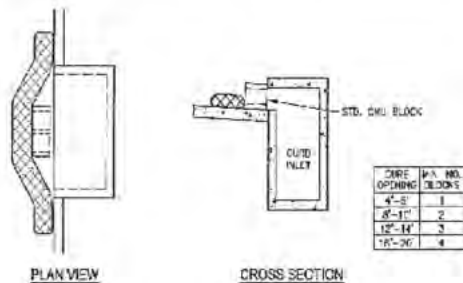
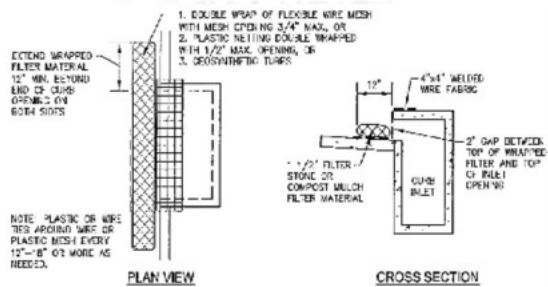
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PROJECT:  
P400008488

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THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THE DRAWINGS OR THE INFORMATION PROVIDED HEREON AND THE OWNER SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF THE INFORMATION PROVIDED HEREON. THE OWNER SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE USE OF THE INFORMATION PROVIDED HEREON.

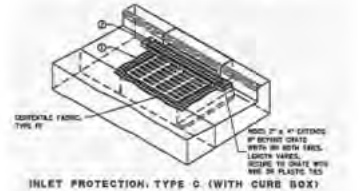
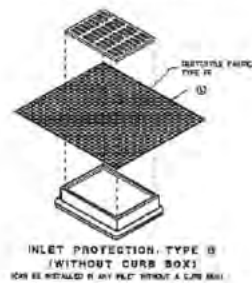
### DETAIL C-9A

#### CURB INLET PROTECTION



### DETAIL C-9B

#### CURB INLET PROTECTION

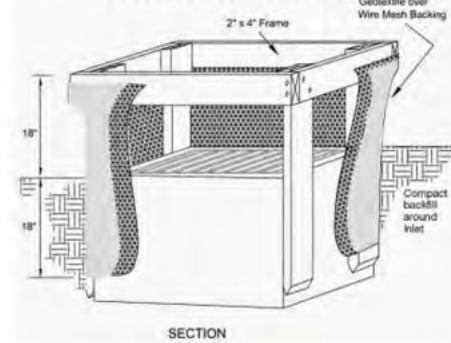


#### INSTALLATION NOTES

TYPE B & C  
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF HANDLING/USING A NEW FLAP, AND FIELD OR OTHER METHOD TO PREVENT ACCUMULATED DEBRIS FROM ENTERING THE INLET.

### DETAIL C-9C

#### GEOTEXTILE INLET PROTECTION DETAIL



1. Inlet protection shall be constructed either before or after sidewalk and curb are placed or before the inlet becomes functional.
2. The earth around the inlet shall be excavated completely to a depth of at least 18 inches.
3. The wooden frame shall be constructed of 2-inch by 4-inch construction grade lumber. The 2-inch by 4-inch boards shall be given one (1) ft. into the ground at four corners of the inlet and the top portion of 2-inch by 4-inch frame assembled using the overlap joint shown. The top of the frame shall be at least 6 inches below adjacent grade if poured water will pose a safety hazard to traffic.
4. Wire mesh shall be of sufficient strength to support traffic with water fully impounded against it. It shall be stretched tightly around the frame and fastened securely to the frame.
5. Geotextile material shall have an equivalent opening size of 20-40 sieve and be resistant to sunlight. It shall be stretched tightly around the frame and fastened securely. It shall extend from the top of the frame to 18 inches below the inlet bottom elevation. The geotextile shall overlap at one side of the inlet so the ends of the cloth are not fastened to the same post.
6. Backfill shall be placed around the inlet in compacted 6-inch layers until the earth is even with notch elevation on ends and top elevation on sides.
7. A compacted wire mesh or sheet piling shall be constructed in the ditch line below the inlet if the inlet is not in a depression. The top of the sheet shall be at least 6 inches higher than the top of the frame.
8. Filter fabric and filter socks can also be used as inlet protection.



DRAWING SCALE  
0 20' 40'

DATE	BY	CHKD.	APP'D.



PIR 542  
E. Clev. & Clev. Hts, Cuyahoga Co

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**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**3/6/2015 4:24:50 PM**

**in**

**Case No(s). 15-0466-GA-BNR**

Summary: Text Construction Notice of Dominion East Ohio for PIR #542 Forest Hills Blvd.  
Project, East Cleveland & Cleveland Heights, Cuyahoga County, Ohio - Part 1  
electronically filed by Teresa Orahod on behalf of Sally Bloomfield