whittsturtevant LLP

MARK A. WHITT
Direct: 614.224.3911
whitt@whitt-sturtevant.com

January 13, 2022

Ms. Tanowa Troupe
Administration/Docketing
Ohio Power Siting Board
180 East Broad Street 11th Floor
Columbus, OH 43215

Re: Dominion Energy Ohio Letter of Notification for PIR 2647 37th & Cleveland, Canton Township, Stark County, Ohio Case No. 21-0874-GA-BLN

Dear Ms. Troupe:

On September 17, 2021 in the above referenced case, the Ohio Power Siting Board ("OPSB") Staff issued a Report of Investigation approving the Letter of Notification subject to two conditions. In compliance with Condition No. 2, East Ohio Gas Company d/b/a Dominion Energy Ohio hereby submits copies of permits and authorizations, including all supporting documentation.

Please contact me if you have any questions regarding this matter.

Sincerely,

s/ *Mark A. Whitt*

ON BEHALF OF
THE EAST OHIO GAS COMPANY
D/B/A DOMINION ENERGY OHIO

Permit No. _____
Receipt No. _____
Fee: $50.00. per twp street
x 6
$300.00

ROAD OPENING PERMIT

Canton Township
Stark County, Ohio

APPLICATION FOR A PERMIT TO EXCAVATE WITHIN TOWNSHIP ROADS OR ROAD RIGHT OF WAYS

Canton Township Board of Trustees
4711 Central Ave. S.E.
Canton, OH 44707
330-484-2501 Road Department
330-484-2502 Administration

BOARD OF TRUSTEES:
Application is hereby made by:

Date: 9-30-2021

Name: MATHEW SERGENT

Address: 320 SPRINGSIDE DR
street

AKRON, OH 44333
city state zip code

Telephone 330-571-3168

PERMIT TO EXCAVATE

_____ $50.00 (Circle One) Road Cut Road right-of-way

LOCATION: AFFECTED STREETS / ROADS:

Address: MAPLEWOOD AVE, 37TH ST, FORESTDALE AVE, DIANE AVE, HIGHVIEW AVE, CARNWISE ST, CLEVELAND AVE.
street city state zip code

The purpose of this excavation is: Replace existing gas mainline.

Work will commence on or about Nov. 1, 2021 and will be completed on or about May 1, 2021.
If this application is approved and a permit issued, the applicant agrees to comply with all the terms, conditions, and restrictions printed or written on the back of this sheet and attached hereto as "addendum", mended or supplemented above in accordance with the detailed plans submitted and attached to this application.

Signature: _____
Builder/Contractor

Signature: [signature] NEO - Manager Gas Design
Owner/Resident

PERMIT

The above application is hereby:

X **Approved and permission is granted to do the work covered in the application, which work shall be one in strict conformity therewith.**

_____ **Disapproved and excavation is prohibited for the above work under penalty of law.**

[signature]
Authorized Permit Issuing Official

10-8-2021
Date

Dominion Energy Ohio is a P.U.C.O. regulated utility. The execution of this document is subject to and without waiver of any rights conferred by Dominion's tariff, the common law and general laws of Ohio, and Dominion's interests in both real and personal property, including all of its utility facilities.

Permit No. _____

ADDENDUM TO PERMIT

General Provisions

1. The contractor shall be responsible for obtaining all required permits for construction. He shall be responsible for any damage to the street or roadway associated structures and shall make repairs as necessary to the satisfaction of the Canton Township Road Superintendent. The contractor shall also be responsible for the installation and maintenance of adequate signs and warning devices to inform and protect the public. The contractor shall be responsible for the maintenance of traffic throughout the construction period.

2. The length of open trenches shall be kept to a minimum and shall be protected by signs, barricades and lights as necessary and in conformance with the requirements of the Ohio Manual of Uniform Traffic Control Devices (MUTCD).

3. The function of existing traffic control devices shall be retained at all times. Existing signs that must be relocated laterally shall be placed in accordance with the Ohio MUTCD and such signs shall not be moved without the approval of the engineer. The contractor shall restore relocated signs to the position and condition, which existed prior to construction and pavement markings.

4. **No "off the road" equipment with steel tires, treads, cleats or stabilizing pads will be permitted on pavement without proper planking.**

5. The traveled portion of the road shall be kept free of debris and cleaned of mud at all times. The permit holder agrees to remove any mud or debris from Township roads, which have resulted from work done under the permit. In the event that the permit holder does not comply with the above, the Township will attempt to notify the permit holder, but when necessary to protect the public safety, the obstruction will be removed and the cost of such removal will be charged against the bond. Repeated problems may also result in the revocation of the permit.

6. Neither dumpsters nor any other type of obstructions can be placed in the right of way.

7. The proper flow of storm water drainage must be maintained in the road right of way.

New Construction

Regarding new construction on undedicated roads, no road will be accepted unless all specifications are met for all construction in the right of way. If you have any questions, please do not hesitate to call the Canton Township Road Department 330-484-2501 between the hours 7:00 a.m. – 3:30 p.m.

Restoration

Restoration of all area outside of the paved area shall be in accordance with the State of Ohio Department of Transportation Construction & Material Specifications manual, Item #659.

_____	_____
Received by	Witnessed by
_____	_____
Date	Date

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TERMS, CONDITIONS AND RESTRICTIONS THAT APPLY TO THE ISSUANCE OF A PERMIT FOR EXCAVATING IN ANY CANTON TOWNSHIP ROAD OR ROAD RIGHT OF WAY

This permit is issued under the authority of an Jan.17, 2007 resolution, as by the Board of Trustees of Canton Township, Stark County, Ohio, requiring that any person or business making an excavation including but not limited to the installation of driveways, curb cuts and culvert in any Plain Township road and/or road right of way within its jurisdiction shall obtain a permit for each excavation prior to the commencement of the excavation. Any work performed at such excavation shall be done in accordance with Section 5571.16 of the Ohio Revised Code and the conditions contained in this permit. These conditions are binding upon the person or business, their heirs, successors, and assigns upon the granting of the permit authorized by the Board of Trustees of Canton Township.

1. The applicant for a permit shall submit detailed plans indicating the locations, size, type, and duration of the excavation contemplated **two weeks prior to issuing the permit. The fee will be $50.00.**

2. **The applicant shall deposit with the Fiscal Officer of Canton Township the sum of One Thousand Five Hundred Dollars ($1,500.00), or 10% of the contract amount,** as deemed necessary by the Road Superintendent, with surety or sureties satisfactory to the Canton Township Board of Trustees and payable to the Canton Township Board of Trustees. Said deposit or bond shall be conditioned upon the restoration of the Township street, road or highway to the condition prevailing at the time of the excavation or to condition in the case of an emergency as hereinafter provided. Said deposit shall be refunded or bind shall be released with sixty (60) days after the restoration of the township road and/or right of way has been restored to the condition prevailing at the time of the issuance of the permit or the commencement of the excavation in the case of an emergency as hereinafter provided. Should the person or business to whom a permit has been issued fail to restore said township road and/or road right of way as provided herein within ninety (90) days of the issuance of the permit or the opening of the excavation, whichever date is later, then the deposit or bond shall be forfeited to the Canton Township Board of Trustees and the said Board shall take legal action to enforce said bond. No bond necessary for the installation of a driveway.

3. The applicant shall provide proper barricades, signs, lights, and other warning devices and uniformed officers or flag persons at its own expense to protect the public using the road during the period of excavation and the restoration of the township road and/or road right of way. An inspector may be assigned to the job by the Township at the expense of the applicant to protect the interests of the Township.

4. The applicant shall restore the township road and/or road right of way as stated in the attached Addendum. In the even that the road or highway is not thus restored, the applicant shall be liable for the cost of such replacement and restoration to the Canton Township Board of Trustees.

5. The applicant shall provide suitable ingress and egress during the period of the excavation and resurfacing to the adjoining and adjacent property owners to their lands or lots.

6. The applicant shall notify the Canton Township Fire Department of the location of the excavation and the duration of the work within twenty-four (24) hours of the issuance of the permit or of the commencement of the excavation. 330-484-6165

7. The applicant as a condition of this permit agrees to hold Canton Township harmless and to indemnify the same from any and all liability or damage arising to persons or property from the issuance of this permit and the work performed there under for the excavation, refilling, and resurfacing of the township road and/or road right of way. The applicant upon request shall furnish evidence that he has available liability insurance in the amount of Two Hundred Fifty Thousand/Five Hundred Thousand Dollars ($250,000/$500,000) property damage against liability or damage to persons or property arising from the excavation in a Canton Township road and/or road right of way.

8. No person shall make an excavation in any township road or road right of way in violation of any resolution adopted pursuant to this section; except that in the case of an emergency requiring immediate action to protect the public health, safety, and welfare, an excavation may be made without first obtaining a permit, if such application is made at the earliest possible opportunity.

Dominion Energy Ohio is a P.U.C.O. regulated utility. The execution of this document is subject to and without waiver of any rights conferred by Dominion's tariff, the common law and general laws of Ohio, and Dominion's interests in both real and personal property, including all of its utility facilities.

9. **The permit may be revoked and the performance bond forfeited by the Township at any time for non-performance or compliance with any of the provisions of the resolution.**

10. **Whoever violates Section 5571.16 of the Ohio Revised Code shall be fined not more than two hundred ($200.00) or imprisoned not more than thirty (30) days, or both.**

Received By	**Witnessed By**
Date	**Date**

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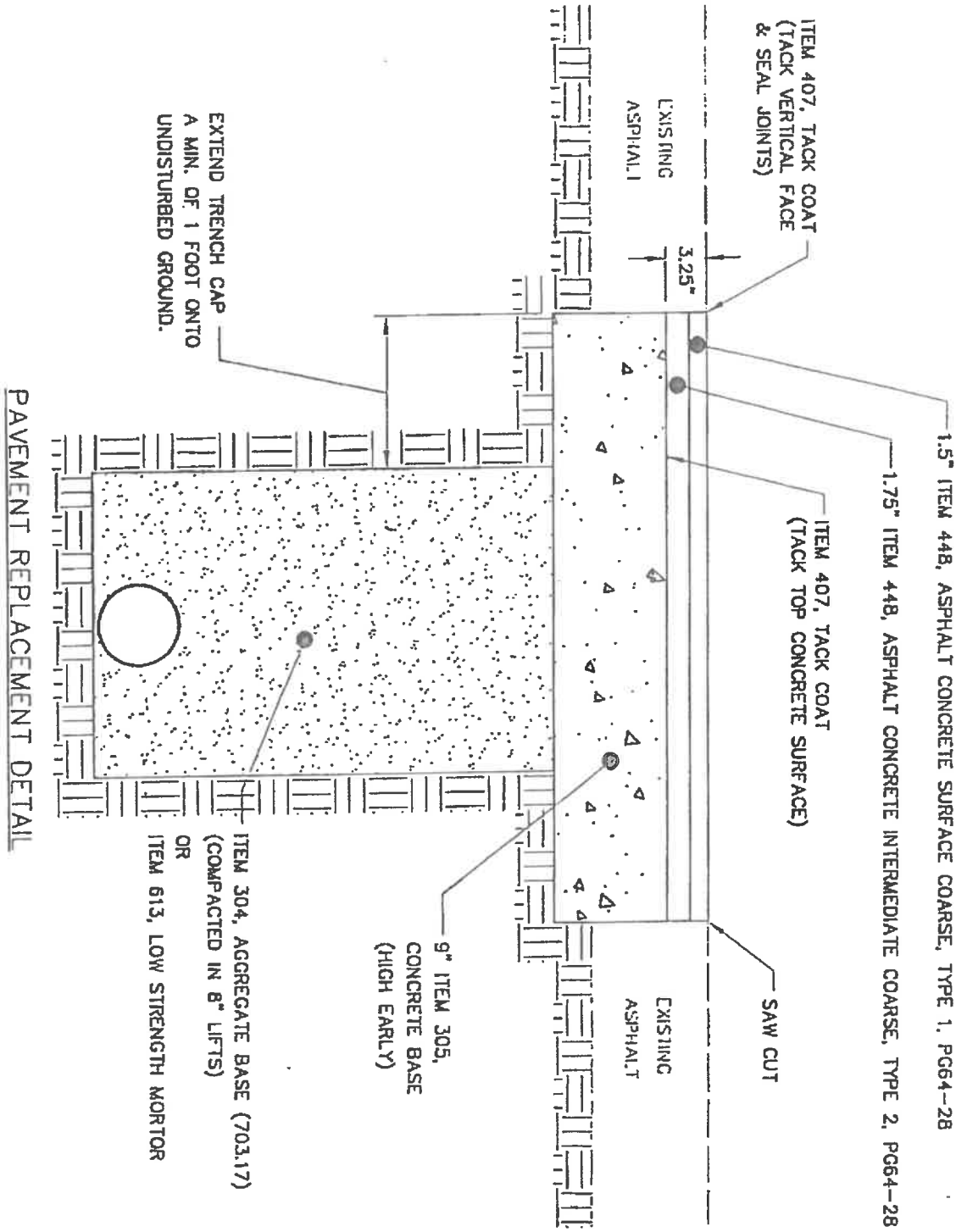


PAVEMENT REPLACEMENT DETAIL

(NOT TO SCALE)

1 / 1	STARK COUNTY, OHIO	HIGHWAY USE PERMITS PAVEMENT REPLACEMENT DETAIL

MR 509
Permit No. PERMIT 21-19418

Office Use Only

County or Jurisdiction STA
Rte SR800
Log Pt 7.88-7.91
Acc Cat

State of Ohio
Department of Transportation
Permit

[1] Subject to all terms, conditions, and restrictions printed, written below and on the reverse side hereof, or attached,

Name: Dominion Energy Ohio
Address: 320 Springside Dr Akron OH 44333
Company Phone: 330-571-3168

is hereby granted a permit under Section 5515.01 and 5515.02 of Ohio Revised Code, and permission to perform work necessary in the manner described and at the location indicated in the following or attached to this permit.

Utility - (see attached sheets)

Description of Work: Construction to begin Fall 2021 (Start Date Pending approval of this permit application). Project will be constructed and completed Spring 2022. Work along SR-800 is a portion of the overall construction project and will include a road crossing at Carnwise St SW as well as installation parallel to Cleveland Ave (SR-800) on the eastern side in the treelawn/ROW area. Installation in the ODOT ROW and crossing will total approximately 400' of the Approximately 6,000ft total project.

[2] This permit shall be in the possession of employees /agents of permittee on site at all times who are in charge of the work and shall be shown, upon request, to any employee of the Department of Transportation.

Contact ODOT Representative 3 days before work begins, also contact ODOT Representative when work is completed for final inspection.
Failure to notify the ODOT Representative could result in work stoppage!

[3] No work authorized by this permit shall begin until the permittee has contacted and received instructions from

Brian Hoover
330-786-4927
Email Address: Brian.Hoover@dot.ohio.gov
(Authorized ODOT Employee)

NOTE: Any work performed by the permittee may be stopped if this requirement is not met.

[4] Prior to any excavation in the highway right-of-way, the Ohio811, https://www.oups.org/excavators, must be contacted in accordance with ORC Section 3781.25 to 3781.32. Ohio811 can be reached at 1-800-362-2764 or 811.

[5] If your utility is above ground in any way, you must mark your utility with a fluorescent colored marker that corresponds with the universal OUPS color code. The marker must be no shorter than six feet in height and you must maintain the marker. Guide wires must be marked a fluorescent yellow. Failure to mark as described, will result in the Department of Transportation being held harmless and no reimbursement for damage to your property.

[6] All work requiring persons or vehicles within ODOT right of way shall comply with all applicable requirements of the Ohio Manual of Uniform Traffic Control Devices and Item 614 (Maintaining Traffic) of the Construction and Material Specifications, latest editions. Failure to comply with these requirements will be cause for immediate revocation or suspension of the permit until the proper traffic control devices have been provided.

[7] The permittee accepts the conditions, terms, and requirements printed, written on, or attached to this permit and understands that failure to comply fully with those conditions, terms, and requirements or any change in the use of the permit inconsistent with its terms and conditions will be considered a violation and cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Department action, up to an including removal of the installation at the permittee's expense.

[8] Performance Bond Required? _____ Yes __X___ No Company_____
Effective Date _____ Expiration Date _____Amount $ _____

[9] This permit shall be void if the work described herein does not comply with the conditions, terms, and requirements applicable to this permit, and if the work is not completed by 07/15/2022

(the remainder of this page is left blank intentionally)

General Provisions Applicable to All Permits
(Sections 5515.01 and 5515.02 of O.R.C.)

[1] This permit is not a substitute for satisfying the rights or obligations of any other party who may have an interest in the underlying fee interest.

[2] The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights of way or in the design or operation of the state highway; or in any way abridge the right of the Director of the Department of Transportation in his jurisdiction over state highways. If, in the process of any future work or for the benefit of the traveling public, it becomes necessary, in the opinion of the Director of Transportation to order the removal, reconstruction, relocation, or repair of any of the fixtures, or work performed under this permit, said removal, reconstruction, relocation, or repair shall be wholly at the expense of the owners thereof or the permittee and be made as directed by the Director of Transportation and within the time determined by the Director. Such changes in the state highway design or operation, necessary for improved safety and operation or for the benefit of the traveling public, shall not require a permit modification since the permit confers no private rights to the permittee over the control of t he state highway.

[3] The District Deputy Director acts for and on behalf of the Director in issuing and carrying out the provisions of all permits. The District Deputy Director has full authority to ensure that all provisions of the permit are met and to reject any materials, design, and workmanship that do not meet applicable Department standards. The District Deputy Director, at his/her discretion, may require a performance bond or certified check as a prerequisite to the issuance of a permit.

[4] Failure on the part of the permittee to comply fully with the provisions and conditions of the permit will be cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Departmental action. By accepting the permit, the permittee agrees to comply with all conditions, terms, and restrictions printed or written on or attached to the permit. If the permittee or its agent performs any work contrary to the conditions of the permit or to the instructions of the District Deputy Director and, after due notice, fails to correct the problem, the Department of Transportation may, with or without notice, correct or remove such work and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all results of such work.

[5] The permittee shall indemnify and hold harmless the State of Ohio, Department of Transportation, its officers, representatives and assigns, from any and all loss, liability, damages, litigation costs, and claims for injury or death to any person, property, or business caused by or resulting from any act, omission, event, consequence, or occurrence, negligent or otherwise of the permittee, its employees, agents, or assigns as a result of the issuance of this permit.

[6] All work authorized under the permit shall be performed to the Department's satisfaction, and the entire expense shall be borne by the permittee. No work shall be performed until the permittee has contacted the Department's appointed representative named on the permit and received instructions. The Department's representative may inspect all work covered by the permit, or the Department reserves the right, during the time any or all of the work is being performed, to appoint an inspector over the work who shall represent the interest of the State on the work and any compensation arranged for shall be paid wholly by the permit holder. Work not in compliance shall be halted and the District Deputy Director shall be notified of the cause. The permittee shall be notified of the Department's determination and given an opportunity to correct the problem. If the problem is not corrected timely or to the satisfaction of the Department, this permit will be revoked.

[7] Failure to complete all work within the time specified on the permit shall void the permit, thereby making the permit illegal and subject to appropriate Departmental action. The permittee may request an extension in writing from the District Office, explaining why the extension is necessary and when the work is expected to be completed.

[8] All work infringing on the pavement or shoulders shall comply with applicable standards and requirements regarding traffic control devices. Failure to comply will be cause for revocation or suspension of the permit. Any closure of lanes or shoulders shall be described in terms of location, duration, time of day, etc. Such work shall not begin until all traffic control devices are in place.

[9] If any grading, sidewalk, or other work allowed by a permit interferes with the drainage of the highway in any way, such catch basins and outlets as necessary shall be constructed to take proper care of said drainage and any materials such as pipes and tiles damaged during any installation or repair by the permittee or its employees or agents shall be repaired immediately at the sole cost of the permittee . Permittee shall timely notify the Department of any such damage and repairs thereto. Failure o the permittee to immediately repair the damage after it is discovered shall result in the Department performing the repair and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all the results of such work which may include removal of the permittee's facilities.

[10] Any damage to ODOT or another's property caused by the work shall be repaired by the permittee or permittee's agent or contractor in a timely manner and at the sole cost of permittee. If any emergency repairs to ODOT property are needed that cannot be performed by the permittee or permittee's agent or contractor, ODOT shall cause the repairs to be performed at the sole cost of permittee.

[11] Upon completion of the work, the permittee shall leave the highway clean of all rubbish, excess materials, temporary structures and equipment, and all parts of the highway shall be left in a condition acceptable to the Department. Upon satisfactory completion of the work authorized by the permit, the Department's appointed representative shall complete the Permit Inspection Certificate, Form No. MR 678 certifying that the permittee has complied with the terms of the permit.

[12] Except as herein authorized, no excavation shall be made or obstacle placed within the limits of the highway so as to interfere with the travel over the road.

[13] All pole lines are to be built in accordance with Rule 4901:3-1-08 of Ohio Administrative Code promulgated and enforced by the Public Utilities Commission of Ohio.

[14] All underground utilities shall be installed at a depth and horizontal distance from the road surface and any appurtenances in accordance with state and national safety standards and as pre-approved by the Department. After installation, the exact location of the utility shall be provided to the Department. The Department shall be held harmless for any damage to utilities due to insufficient or inaccurate installation or identification and all repairs shall be at the sole cost of the permittee.

[15] The permittee shall comply with the Air Pollution requirements of Rule 3745-17-08 of the Ohio Administrative Code promulgated and enforced by the Ohio Environmental Protection Agency.

[16] The permittee certifies that he or she is fully authorized to sign this permit. This permit shall apply to and be binding upon the permittee and any successors in interest. No change in ownership of the underlying property or of the facility owned by permittee shall in any way alter the permittee's obligations under this permit.

[17] The permittee(s) for herself/himself/themselves/itself, her/his/their/its personal representatives, and her/his/their/its successors in interest and assigns, as a part of the consideration hereof, do/does hereby covenant and agree that:

(1) No person on the grounds of race, color, or national origin, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of the utility/facilities/ services of the permittee.

(2) In the construction of any improvements on, over, or under the above described property and the furnishing of services thereon, no person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination.

(3) The above described property shall be used in a manner that at all times is in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. DOT, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. DOT— Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(4) In the event that this instrument grants a lease, license, or permit and any of the above non-discrimination covenants is breached, then the State of Ohio, Department of Transportation, shall have the unfettered right to terminate

the lease, license or permit and to re-enter and repossess the above-described property and hold the same as if said lease, license or permit had never been made or issued.

This permit is granted subject to the following attached conditions:

(the remainder of this page is left blank intentionally)

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
Supplemental Specifications

PERMIT 21-19418
Dominion Gas – Gas Main Along and Across

To bore **across SR 800** to install a 12" gas main line and **along SR 800** to install 6" gas main line in Stark County at locations and offsets as shown on the plans. Work along SR-800 is a portion of the overall construction project and will include a road crossing at Carnwise St SW as well as installation parallel to Cleveland Ave (SR-800) on the eastern side in the tree lawn/ROW area. Installation in the ODOT ROW and crossing will total approximately 400' of the Approximately 6,000ft total project.

1. **The ODOT Intelligent Transportation System (ITS) Infrastructure and devices are not currently listed in the Ohio Utility Protection Services (OUPS) program. Please send a copy of the OUPS ticket or locate request to the ODOT ITS Section via email to CEN.ITS.LAB@dot.ohio.gov, in order to get the ITS utility infrastructure marked.**

2. **All work to be performed at no cost to the State or Federal Highway Administration.**

3. **Open cutting of the State Route pavement will not be permitted.**

4. If the depth of any excavation is deeper than the distance from edge of the **State Route** pavement to the roadside face of excavation, sheeting shall be shall be driven into place and bracing used, unless strong box or equivalent is used as per ODOT specifications.

5. If sheeting is used, sheeting shall be left in place and shall be cut off at least 2 foot below the proposed finished surface or subgrade in paved areas.

6. If strong box is used, the following conditions shall apply:
   a. All excavations must be made from within the walls of the strong box.
   b. At no time shall trench remain open without support of strong box.
   c. Strong box must be installed as per driving method.

7. The Permit applicant assumes all responsibility for adequately maintaining a safe construction work zone, as per the latest additions of Ohio Manual of Uniform Traffic Control Devices (O.M.U.T.C.D.) and ODOT's standards.

8. Traffic shall be maintained according to the Ohio Manual of Uniform Traffic Control Devices. Traffic shall be maintained at all times. Work zones shall be limited as not to impede the traveling public. Road closures shall not be permitted.

9. All excavations within the ODOT right of way shall be backfilled with suitable material and compacted to ODOT specifications.

10. Trenches are not to remain open overnight, other than what is needed to start the next day's work.

11. Mounding of dirt over trenches will not be permitted. Preliminary cleanup will be required while working and unsuitable material hauled away.

12. In case work must be suspended because of inclement weather or other reason, the trench shall be backfilled to within 3 inches of the surrounding surfaces.

13. All trenched driveway approaches shall be backfilled with granular material and compacted to ODOT specifications (Surface to be replaced in kind).

PERMIT 21-19418
Dominion Gas – Gas Main Along and Across

14. Provisions shall be made to allow for ingress and egress for all adjoining property owners.

15. Care must be taken not to disturb other utilities.

16. Any reconstruction of ODOT facilities shall meet the requirements of the current ODOT Construction and Material Specifications Manual and Standard Drawing.

17. No field changes permitted without prior ODOT approval.

18. ODOT shall have jurisdiction over any work in the ODOT right of way and has the authority to suspend any work for non-compliance of permit.

19. If any problems occur during the construction of this facility, all work must stop and ODOT notified immediately at (330) 786-4840.

20. Maintain positive drainage.

21. No storage of equipment or materials within the ODOT right of way shall be permitted at any time.

22. No stringing of pipe within the ODOT right of way shall be permitted.

23. No surface discharge of any liquids within the ODOT right of way shall be permitted.

24. All disturbed right of way shall be restored to its original condition or better and seed and mulched as per Item #659, ODOT Specification.

25. Any non-metallic pipe installed underground, inside the ODOT right of way, must be equipped with tracer wire.

26. An Ohio EPA Section 401 Water Quality Certification, U.S. Army Corps of Engineers Section 404 Waterway Permit and/or a NPDES Permit may be required for the proposed work. The permittee shall contact the appropriate agencies and obtain any necessary permits for this work.

27. A copy of the Ohio E.P.A. and/or U.S. Army Corps of Engineers permit, as necessary, shall be submitted to ODOT prior to starting any work within the ODOT right of way.

28. Any future maintenance of this facility shall be the sole responsibility of the property owner.

29. Except as authorized under the permit, no excavation shall be made, or obstacles placed within the limits of the highway in such a manner as to interfere with travel over the road.

30. If grading or other work done under the permit interferes with the drainage of the highway in any manner, catch basins and outlets shall be constructed to properly handle the highway drainage.

31. All the work contemplated under the permit shall be done under the supervision and to the satisfaction of ODOT and the entire expense shall be borne by the party to whom the permit is issued.

32. Upon completion of the work under the permit, the highway is to be left clear of all rubbish, excess materials, temporary structures or equipment.

33. The permit applicant will abide by current State and/or local laws pertaining to storm water pollution prevention and/or erosion control.

34. The right is reserved by the Department to appoint an inspector who shall represent the interests of the State during the installation of the facility. Any compensation arranged for such inspection service shall be paid wholly by the permit holder.

PERMIT 21-19418
Dominion Gas – Gas Main Along and Across

35. Prior to any excavation in the highway right of way, the permit holder must contact the Ohio Utilities Protection Service (OUPS) and the Oil and Gas Producers Underground Protection Service (OGPUPS) and request all existing underground utility facilities be marked.

36. The acceptance of a permit, or the performance of any work under the permit, constitutes an agreement between ODOT and the party to whom the permit is granted. Compliance with all conditions and restrictions included with the permit is mandatory.

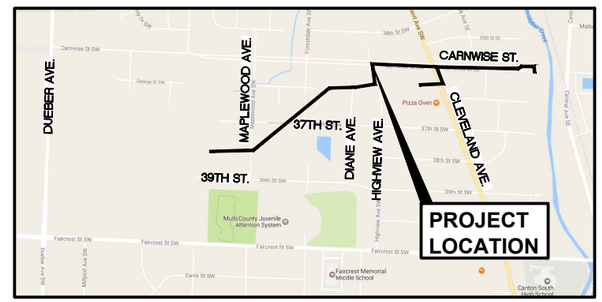
37. **If your utility is above ground in any way, you must mark your utility with a fluorescent colored marker that corresponds with the universal OUPS color code. The marker must be no shorter than six feet in height and you must maintain the marker. Guide wires must be marked a fluorescent yellow. Failure to do so will result in no reimbursement for damage to your property.**

The provisions and conditions as outlined in this permit shall be applicable to the work to be done under this permit, including maintaining traffic and the use of barricades with lights for the safety of the traveling public, according to the requirements set forth in the Ohio Manual of Uniform Traffic Control Devices, unless otherwise herein stipulated. This work to be performed at no cost to the State of Ohio. This permit is not a substitute for satisfying the rights of any other party that may have an interest in the underlying fee.

PIR-2647

37TH & CLEVELAND AVE

CANTON TOWNSHIP
STARK COUNTY, OHIO
P#400146591
MWO#633135864
CWO# TBD



OVERALL HIGH-LEVEL PROJECT SCOPE
(not for use in quantifying)

THIS PROJECT CONSISTS OF REPLACING APPROXIMATELY 5,320 FEET OF EXISTING HIGH PRESSURE WITH 6,115 FEET OF HIGH PRESSURE AND REPLACING APPROXIMATELY 140 FEET OF MEDIUM PRESSURE PIPE WITH 140 FEET OF MEDIUM PRESSURE MDPL PIPE.

2 OTHER
-PRODUCER
-M&R

REFER TO MATERIAL LIST OR BID SHEET(S) FOR ACTUAL QUANTITIES.
CONTACT PROJECT MANAGER FOR QUESTIONS.

INDEX OF SHEETS

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(AUGER)(HDD) / TIER (2)(3)(4) / (STEEL GREATER THAN 12")

DIRECTOR BORE DESIGN APPROVAL: _____ DATE: _____

DIRECTOR POST CONSTRUCTION APPROVAL: _____ DATE: _____

SYMBOL LEGEND

I.P. FOUND
MONUMENT BOX
BENCHMARK
STORM SEWER MANHOLE
CURB INLET
CATCH BASIN
SANITARY SEWER MANHOLE
SEPTIC TANK
WATER MANHOLE
WATER METER
WATER VALVE
FIRE HYDRANT
MONITOR WELL
LIGHT POLE
SUPPORT POLE
POWER POLE
TELEPHONE POLE
GUY
TOWER POLE
YARD LIGHT
RAILROAD CROSSING
ELECTRIC MANHOLE
ELECTRIC PEDESTAL
TELEPHONE MANHOLE
TELEPHONE PEDESTAL
FIBER OPTIC MANHOLE
CABLE MANHOLE
CABLE PEDESTAL
UTILITY MANHOLE
TRAFFIC PEDESTAL
PULL BOX
FLOOD PLAIN
BROWNFIELD
WETLANDS
SATELLITE DISH
FLAG POLE
ROCK
MAIL BOX
POST
SIGN
GAS MARKER
ELECTRIC MARKER
TELEPHONE MARKER
CABLE MARKER
ADA RAMP
EX. GAS VALVE
EX. GAS METER
PROP. GAS METER
EX. GAS TEST BOX
EX. GAS DRIP
EX. COUPLING
EX. REDUCER
EX. END CAP
PROP. GAS VALVE
PROP. CRITICAL GAS VALVE
PROP. REDUCER
PROP. CAP
PROP. 3-WAY/SPHERICAL TEE
PROP. COUPLING
PROP. STOPPER
CAUSE FOR PAUSE
TREE
REMOVE
EVERGREEN TREE
SHRUB
STUMP
BAT TREE

GENERAL LINE LEGEND

PROPOSED LP GAS LINE
PROPOSED MP GAS LINE
PROPOSED IP GAS LINE
PROPOSED HP GAS LINE
PROPOSED TPL GAS LINE
PROPOSED STORAGE GAS LINE
PROPOSED GATHERING GAS LINE
PROPOSED PRODUCTION GAS LINE
PROPOSED SERVICE LINE
PROPOSED DEO EASEMENT
EXISTING GAS LINE TO BE ABANDONED
EXISTING LOW PRESSURE GAS LINE
EXISTING MEDIUM PRESSURE GAS LINE
EXISTING INTERMEDIATE PRESSURE GAS LINE
EXISTING HIGH PRESSURE GAS LINE
EXISITING CASING PIPE
EXISTING TRANSMISSION LINE
EXISTING PRODUCTION GAS LINE
EXISTING STORAGE LINE
EXISTING GATHERING LINE
EXISTING SERVICE LINE
ABANDONED GAS LINE
OVERHEAD UTILITY LINE
PROPERTY LINE
CORPORATION LINE
EXISTING EASEMENT
EXISTING UNDERGROUND STEAM
EXISTING UNDERGROUND CHILLER WATER
EXISTING UNDERGROUND CABLE
EXISTING UNDERGROUND TELEPHONE
EXISTING UNDERGROUND ELECTRIC
EXISTING UNDERGROUND FIBER OPTICS
EXISTING SANITARY SEWER
EXISTING STORM SEWER
EXISTING WATERMAIN
EXISTING GUARDRAIL
EXISTING RAILROAD
RIGHT OF WAY
CENTER LINE
EXISTING ROAD PAVEMENT
EXISTING WALK/DRIVE
FENCE
TREE LINE

DOMINION CONTACTS

PROJECT MANAGER:
DAVID HOLLENDONNER - 330-664-2677

TECHNICAL SPECIALIST / ENGINEER:
MATHEW SERGENT - 330-571-3168

ENVIRONMENTAL:
DAVE FREDLE - 330-703-3603

LAND SERVICES:
KIM MILANO - 330-664-2419

CORROSION:
AL HUMRICHOUSER - 330-323-3119

CONTRACTOR INSPECTION:
DAVID CROFT - 330-664-2447

MUNICIPALITY(IES):
CANTON TOWNSHIP - JOHN SMITH - 330-484-2501
ODOT DISTRICT 4 - 330-786-3100

IN CASE OF EMERGENCY CALL 9-1-1, THEN:
PRIMARY EMERGENCY LINE FOR CUSTOMERS 877-542-2630

DOMINION CUSTOMER SERVICE (FMS):
LORI GAECKLE - 330-478-3182
ROD VOLZER - 330-478-3181

REFER TO MATERIAL LIST OR BID SHEET(S) FOR ACTUAL QUANTITIES. CONTACT PROJECT MANAGER FOR QUESTIONS.

OHIO811.org Before You Dig

1-800-362-2764 or 811

CAUSE FOR PAUSE

SIGNIFICANT/CRITICAL ITEMS REQUIRING CAUTION APPLY TO THIS PROJECT AND REQUIRE AN ONSITE PRE-CONSTRUCTION MEETING BY DESIGN AND CONSTRUCTION.

PLAN APPROVAL SIGN OFF:
FINAL – PLANS APPROVED FOR CONSTRUCTION DATE: 10/11/2021

FOR M&R STATION PLANS, SEE SHEET: [18A]

PROJECT MANAGER: _____ DATE: _____

CONST. SUPERVISOR: _____ DATE: _____

GM&R SUPERVISOR: _____ DATE: _____

GAS CONTROL/PLANNING: _____ DATE: _____

PIPELINE INFORMATION TABLE

PRESS.	SYS. ID.	PCB ZONE	SYSTEM MAOP	TESTING
HIGH	CH2	YELLOW	160 psi	SEE GENERAL NOTES FOR PRESSURE TESTING REQUIREMENTS
INTERMEDIATE				
MEDIUM	CM23	YELLOW	25 psi	
LOW				

MUNICIPALITY: Canton Twp Canton LSD
TAX DIST: OH14616
MUNICIPALITY:
TAX DIST:
MUNICIPALITY:

TAX DIST:	COUNTY: STARK
INV. DIV. 700	ZIP CODE: 44706
OPERATING AREA: 3C	COORD: 40° 45' 14.04" N - 81° 23' 13.49" W
PCB ZONE: SEE TABLE	PIPELINE SYSTEM ID: SEE TABLE
CLASS LOCATION: 3	DESIGN CLASS LOCATION: 3
TEST MEDIUM: SEE TABLE	XRAY: 100%
TEST PRESSURE: SEE TABLE	SEGMENT MAOP: SEE TABLE
TEST DURATION: SEE TABLE	SYSTEM MAOP: SEE TABLE

O.U.P.S. DESIGN TICKET NO. A626300964, 0967, 1008, 1012, 1025, 1027, 1034, 1035, 1048 1048, 1052, 1059, 1062, 1072, 1086, 1088, 1105, 1107 1499, 1509, 1513, 1515, 1519, 1523, 1528, 1532, 1534

SPECIFIED MINIMUM YIELD STRENGTH (SMYS):

OHIO UTILITIES PROTECTION SERVICE
2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

TITLE SHEET

DATE:10.11.2021
PROJECT ID#: P400146591

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS 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.

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GENERAL NOTES:

- CONTRACTOR MUST MAINTAIN A SAFE WALKWAY FOR PEDESTRIANS TRAVELING THROUGH THE WORK ZONE.
- INGRESS AND EGRESS TO DRIVEWAYS TO BE MAINTAINED WHEN PRACTICAL FOR CONSTRUCTION.
- ALL PAVEMENT OPENINGS TO BE RESTORED PER CITY REQUIREMENTS (SEE DETAILS).
- ALL RESTORATION MUST BE COMPLETED IMMEDIATELY AFTER GAS MAIN INSTALLATION.
- CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY RESTORATION AND ITS MAINTENANCE UNTIL FINAL RESTORATION IS COMPLETE.
- CANTON TOWNSHIP TO BE CONTACTED 7 WORKING DAYS BEFORE START OF CONSTRUCTION. CALL JOHN SMITH AT 330-484-2501.
- 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 OUPS 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 3RD PARTY TO COORDINATE THE WORK.
- CONTRACTOR TO GAUGE LINES AND USE DOUBLE BYPASSES AS REQUIRED.
- CONTRACTOR SHALL ADHERE TO ALL ASPECTS OF THE DEO CORROSION POLICY WHEN WORKING ON STEEL MAINS AND SERVICES.
- DEO WILL PAY FOR ANY AND ALL NON-DESTRUCTIVE TESTING (NDT) OF WELDS. THE CONTRACTOR SHALL ASSIST THE NDT CONTRACTOR WHERE NEEDED AT NO ADDITIONAL COST TO DEO.

MAINTENANCE OF TRAFFIC:

ALL TRAFFIC MAINTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF:
THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
INCLUDING BUT NOT EXCLUSIVE OF O.R.C 614.02, 614.03

1. THE CONTRACTOR SHALL CONTACT AREA WIDE PROTECTIVE (AWP) AND FAX TRAFFIC CONTROL ORDER FORM AT LEAST 48 HOURS IN ADVANCE. TELEPHONE: (330) 644-0655 OR 1-800-343-2650 FAX: 1-800-677-7079.

2. CONTRACTOR IS RESPONSIBLE TO COORDINATE, SCHEDULE AND CANCEL TRAFFIC CONTROL WITH AWP AND THE RESPECTIVE MUNICIPALITY AND/OR JURISDICTIONAL ENTITY. CANCELED AWP TRAFFIC CONTROL IS REQUIRED TO BE DONE A MINIMUM OF 1 HOUR BEFORE THE ESTABLISHED JOB START TIME TO AVOID PENALTY. IF CONTRACTOR CANCELS OR SHUTS DOWN FOR ANY REASON, AND FAILS TO CANCEL TRAFFIC CONTROL PRIOR TO THE MINIMUM ADVANCE NOTICE, THE CONTRACTOR IS RESPONSIBLE FOR PAYMENT TO AWP. DEO FIELD INSPECTOR TO DOCUMENT THIS ON CURRENT AWP/TRAFFIC CONTROL AS-BUILT PAPERWORK.

RESTORATION:

1. THE CONTRACTOR SHALL RE-ESTABLISH FINAL GRADE OF EXCAVATED AREA FOLLOWING PIPE INSTALLATION. THIS ACTION MUST TAKE PLACE IN ACCORDANCE WITH THE DEO FURNISHED SWPPP OR WITHIN 14 CALENDAR DAYS OR LESS FROM THE TIME TRENCH IS BACKFILLED DURING THE CONSTRUCTION PROCESS. THE GRADED AREA MUST BE STABILIZED BY EITHER PERMANENT OR TEMPORARY MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATING ANY SETTLING OF THE CONSTRUCTION AREA FOR ONE (1) YEAR AFTER REMEDIATION COMPLETE.

2. RESTORATION SHALL BE PERFORMED IN TANDEM WITH PROJECT PHASING (RESTORE AS YOU GO). TEMPORARY RESTORATION WILL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR UNTIL FINAL RESTORATION IS COMPLETE AS TO STAY IN COMPLIANCE WITH THE SWPPP.

3. IN CULTIVATED AND WETLAND AREAS, THE CONTRACTOR SHALL SEPARATE THE TOP 12 INCHES OF SPOILS DURING EXCAVATION, AND RETURN TO THE SURFACE DURING BACK FILLING. IN HAY AND PASTURE FIELDS, THE CONTRACTOR SHALL RESEED THE ENTIRE DISTURBED AREA WITH THE SEED MIXTURE AS EXISTS IN ADJACENT, UNDISTURBED AREA.

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 ANY/ALL 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 DEO FIELD 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 1-3/8 INCHES.

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 (OOGPUPS) AT 1-800-925-0988 A MINIMUM OF 48 HOURS BEFORE START OF CONSTRUCTION TO LOCATE ANY GAS PRODUCER FACILITIES IN THE AREA.

ENVIRONMENTAL:

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL SUITABLE EROSION AND SEDIMENTATION CONTROLS AS REQUIRED TO MINIMIZE EROSION AND SEDIMENT-LADEN RUNOFF. THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENT CONTROLS ON A DAILY BASIS. COST OF ESTABLISHING AND MAINTAINING EROSION AND SEDIMENTATION CONTROLS ARE TO BE INCLUDED IN THE CONTRACTOR'S BID PRICING. REPAIRS TO THESE CONTROLS ARE TO BE ADDRESSED IMMEDIATELY AFTER INSPECTION OR NOTIFICATION OF DEFICIENCY.

2. INFORMATION REGARDING ENVIRONMENTAL FEATURES (WETLANDS, STREAMS, BAT ROOST TREES, ETC.) IN THE PROJECT PLANS IS FOR REFERENCE ONLY. THESE FEATURES WILL BE FIELD-MARKED BY DEO ENVIRONMENTAL REPRESENTATIVE AND MUST BE CONFIRMED AT THE TIME OF CONSTRUCTION.

3. THE CONTRACTOR SHALL NOT ALTER THE FLOW OF ANY EXISTING WATERWAY OR STREAM. ANY EXISTING WATER FLOW DIRECTION MUST BE MAINTAINED IN KIND. WHEN APPLICABLE, REMOVED EXISTING STREAM BED MATERIAL/STRATA SHALL BE REPLACED IN THE SAME LAYERING THAT IS WAS PRIOR TO THE EXCAVATION DISTURBANCE.

4. FOR ANY/ALL GOVERNMENTAL JURISDICTIONS THAT HAVE REGULATIONS/REQUIREMENTS REGARDING "FUGITIVE DUST EMISSIONS", THE CONTRACTOR SHALL COMPLY ACCORDINGLY. THIS REQUIREMENT CAN BE REVIEWED IN OHIO ADMINISTRATIVE CODE (SECTION 3745-17-08(B)(1)). FOR ANY QUESTIONS REGARDING THIS REQUIREMENT, PLEASE CONTACT DEO'S MANAGER OF CONTRACT SERVICES OR DEO'S ENVIRONMENTAL MANAGEMENT GROUP. SAW CUT SLURRY RUNOFF TO BE CONTAINED PER SWPPP REQUIREMENTS.

5. FOR "COAL TAR COATED" PIPE, THE CONTRACTOR SHALL ENSURE THAT ALL APPLICABLE SOPS ARE APPLIED ACCORDINGLY REGARDING THE REMOVAL, HANDLING AND ASSOCIATED TRANSPORT OF THE PIPE. IF/WHEN NEEDED, CONTRACTOR SHALL COORDINATE WITH THE DOMINION FIELD INSPECTOR AND/OR DOMINION'S ENVIRONMENTAL GROUP REPRESENTATIVE SO THAT ALL PARTIES INVOLVED ARE ASSURED THAT THE PROPER BEST PRACTICES ARE BEING EMPLOYED TO ENSURE THAT NO ENVIRONMENTAL AGENCY REQUIREMENTS ARE COMPROMISED.

6. DEO CONTRACTOR IS TO FOLLOW PCB PIPELINE GUIDELINES:
   - PCB ZONE IS BLUE:
     a. ABANDONED PIPE TO BE PURGED AND CAPPED ACCORDING TO DOMINION SOP. CONTRACTOR IS TO ABANDON AND PURGE ALL MAINS. GROUT WILL NOT BE NEEDED AS MAINLINE IS WITHIN A BLUE PCB ZONE.
     b. REMOVED PIPE TO BE PURGED AND DISPOSED OF BY THE DEO CONTRACTOR
   - PCB ZONE IS GREEN:
     c. ABANDONED PIPE TO BE PURGED AND CAPPED ACCORDING TO DOMINION SOP. CONTRACTOR IS TO ABANDON AND PURGE ALL MAINS. GROUT WILL NOT BE NEEDED AS MAINLINE IS WITHIN A GREEN PCB ZONE.
     d. REMOVED PIPE TO BE PURGED AND DISPOSED OF BY THE DEO CONTRACTOR.
   - PCB ZONE IS YELLOW:
     e. ABANDONED PIPE > 4 INCHES WILL REQUIRE A SWIPE TEST. GROUT MAY BE REQUIRED. IF REQUIRED, GROUT TO BE SUPPLIED BY CONTRACTOR AT NO ADDITIONAL COST TO DEO.
     f. ABANDONED PIPE = OR < 4 INCHES WILL BE TREATED AS RED ZONE PIPE AND WILL BE GROUTED.
     g. REMOVED PIPE TO BE PURGED, CAPPED AND TRANSPORTED TO LOCAL SHOP SMELT BOX OR CANTON PERRY YARD. MAXIMUM LENGTH FOR ANY SECTION OF PIPE IS 39 FEET. 48 HOUR NOTICE AND SCHEDULING REQUIRED. CONTACT JIM GRIFFIN 330-323-9813.
     h. SHIPPING PAPERS ARE REQUIRED. WRITTEN SHIPPING NAME TO BE "NON-DOT REGULATED PCBS".
     i. AT LEAST ONE SEGMENT OF PIPE, PER LOAD, IS REQUIRED TO HAVE THE ACTUAL REMOVAL DATE INDICATED ON IT.
   - PCB ZONE IS RED:
     j. ABANDONED PIPE > 4 INCHES WILL REQUIRE A SWIPE TEST. GROUT MAY BE REQUIRED. IF REQUIRED, GROUT TO BE SUPPLIED BY CONTRACTOR AT NO ADDITIONAL COST TO DEO.
     k. ABANDONED PIPE = OR < 4 INCHES WILL BE GROUTED.
     l. REMOVED PIPE TO BE PURGED, CAPPED AND TRANSPORTED TO LOCAL SHOP SMELT BOX OR CANTON PERRY YARD. MAXIMUM LENGTH FOR ANY SECTION OF PIPE IS 39 FEET. 48 HOUR NOTICE AND SCHEDULING REQUIRED. CONTACT JIM GRIFFIN 330-323-9813.
     m. SHIPPING PAPERS ARE REQUIRED. WRITTEN SHIPPING NAME TO BE "NON-DOT REGULATED PCBS".
     n. AT LEAST ONE SEGMENT OF PIPE, PER LOAD, IS REQUIRED TO HAVE THE ACTUAL REMOVAL DATE INDICATED ON IT.

6. CONTRACTOR SHALL CARRY ABSORBENT MATERIAL AND/OR SPILL KIT TO BE USED IN THE EVENT LIQUIDS ARE ENCOUNTERED WHILE WORKING ON THE PIPELINE MAINS OR SERVICES, WITHOUT ANY ADDITIONAL COST TO DEO.

CORROSION:

1. ANY EX TEST POINT DAMAGED DURING CONSTRUCTION MUST BE REESTABLISHED.

2. FOR ALL TEST POINTS INSTALLED OR REESTABLISHED, DEO INSPECTOR MUST ACHIEVE A MINIMUM PIPE-TO-SOIL READING OF -0.850 VOLTS. IN THE EVENT THE MINIMUM REQUIRED READ CANNOT BE ACHIEVED, DEO INSPECTOR WILL CONTACT DEO CORROSION TO TROUBLESHOOT. INSTALLATION OF ANY TEST POINT THAT FAILS TO ACHIEVE THE MINIMUM READING WILL NOT BE CONSIDERED COMPLETE UNTIL DEO PERSONNEL HAVE DETERMINED THE CAUSE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION UNDER THIS PROVISION.

TRACER WIRE & BOX INSTALLATION:

1. TRACER WIRES MUST BE BROUGHT TO THE SURFACE IN ALL CURB, GATE, TRACER, OR TEST WIRE BOXES TO CREATE AS MANY DIRECT CONNECTION POINTS AS POSSIBLE. THE MAXIMUM DISTANCE BETWEEN ABOVE-GROUND DIRECT CONNECTION ACCESS POINTS SHALL NOT EXCEED 500 FEET.

2. TRACER WIRE SHALL BE MINIMUM #12 AWG SOLID COPPER WIRE WITH YELLOW THERMOPLASTIC COATING.

3. FOR PLASTIC INSTALLED VIA HDD, (2) TRACER WIRES SHOULD BE USED TO ENSURE INTEGRITY OF CONDUCTIVITY.

4. TRACER WIRES ON SERVICE LINES SHALL BE EXTENDED ABOVE-GROUND AT THE METER SET INLET RISER AND BE AVAILABLE INSIDE THE CURB BOX.

5. THE INTEGRITY AND CONTINUITY OF THE TRACER WIRE MUST BE VERIFIED PRIOR TO ACCEPTING THE PIPE INTO THE SYSTEM.

6. ALL TRACER WIRE ACCESS POINTS ON MAINLINE SHALL BE DOCUMENTED IN FIELD NOTES.

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 THIRD PARTY FACILITIES. IF THIS REQUIRES "TEST HOLES", DEO WILL NOT MAKE ADDITIONAL PAYMENT FOR COMPENSATION. THE RESTORATION OF ANY TEST HOLES REQUIRED IS TO BE INCLUDED IN THE LUMP SUM BID PRICE. REFERENCE SHALL BE MADE TO SOP REGARDING USE OF TRENCHLESS TECHNOLOGY.
2. ALL BORING REQUIRES PHYSICAL EXPOSURE OF ALL UTILITY LOCATIONS (I.E., POT-HOLING OR VACUUM EXCAVATION) PRIOR TO ANY CONSTRUCTION. RESTORE THESE AREAS IN-KIND.
3. BORING OPERATIONS MUST HALT IF ANY FRAC OUT OR INADVERTENT RETURNS OCCUR. SEE FLOW CHART IN SWPPP FOR APPROPRIATE ACTIONS TO TAKE AND CONTACTS TO MAKE. OPERATIONS MAY CONTINUE FOLLOWING THOROUGH CLEANUP. DOCUMENTATION WILL BE REQUIRED 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 A DIG UP AND RETRIEVAL OF THE BORING HEAD IS NECESSARY. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE RETRIEVAL OF THE BORE HEAD OR ASSOCIATED EQUIPMENT.

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.

UTILITY OWNERSHIPS ARE AS FOLLOWS:

OHIO UTILITIES PROTECTION SERVICE:

ADDRESS	4740 Belmont Ave.
CITY	Youngstown, OH 44505
PHONE:	1-800-362-2764
CONTACT:	Tom Hacksteddе - Supervisor

AEP OHIO:

ADDRESS	850 Tech Center Dr.
CITY	Gahanna, Ohio 43230
PHONE:	614-883-6802
CONTACT:	Brent Gates

CITY OF CANTON ENGINEERING DIVISION

ADDRESS	CITY SERVICE CENTER
	BUILDING A
	2436 30TH STREET NE
CITY	CANTON, OHIO 44705
PHONE:	330-489-3381
CONTACT:	RICK BODENSCHATZ

DOMINION EAST OHIO:

ADDRESS	320 Springside Dr., Suite 320
CITY	Akron, Ohio 44333
PHONE:	330-664-2409
CONTACT:	Bryan Dayton - Project Manager

CANTON WATER DEPARTMENT:

ADDRESS	2664 Harrisburg Road NW
CITY	Canton, Ohio 44705
PHONE:	330-438-6554
CONTACT:	Annette Mollet

CANTON SEWER DEPARTMENT:

ADDRESS	2901 Regent Ave. NE
CITY	Canton, Ohio 44705
PHONE:	330-489-3381
CONTACT:	Terry Conner

CANTON TOWNSHIP:

ADDRESS	4711 CENTRAL AVE. SE
CITY	Canton, Ohio 44707
PHONE:	330-484-2501
CONTACT:	JOHN SMITH

RESTRAINING PIPE NOTE:

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

OHIO UTILITIES PROTECTION SERVICE
2 WORKING DATS
BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

GENERAL NOTES

DATE10.11.2021
PROJECT ID#: P400146591

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:50am Owner: lkaczmarek

SIGNIFICANT/CRITICAL ITEM - DESIGN REVIEW LIST

SHEET #	LOCATION (STREET, STATIONING, ESMT, ETC)	CAUTION NOTES
5	EASEMENT STA. 3+43	CROSSING 8" HP DEO GAS LINE.
6	EASEMENT STA. 4+04 - STA. 5+58	CROSSING WETLAND
6	EASEMENT STA. 6+53 STA. 6+98	STREAM CROSSING
7	CROSSING MAPLEWOOD AVE. STA. 9+68	CROSSING 3" MP DEO GAS LINE
8	EASEMENT STA. 16+06	CROSSING DEO 3" PRODUCER LINE
8	EASEMENT STA.17+96	CROSSING 6" HP DEO GAS LINE
8	NW CORNER 37TH ST. & FORESTDALE AVE	CROSSING 2" MP DEO GAS LINE
9	EASEMENT STA. 19+34	CROSSING 2" MP DEO GAS LINE
9	EASEMENT STA. 23+19	CROSSING 2" MP DEO GAS LINE
9	EASEMENT STA. 23+75	CROSSING 2" MP DEO GAS LINE
10	EASEMENT STA. 25+08	CROSSING 6" HP DEO GAS LINE
10	EASEMENT STA. 27+55	CROSSING 2" MP DEO GAS LINE
11	CROSSING HIGHVIEW AVE. EASEMENT STA. 31+11	CROSSING 3" MP DEO GAS LINE
11	CROSSING HIGHVIEW AVE. EASEMENT STA. 31+48	CROSSING 6" HP DEO GAS LINE
13	CARNWISE AVE. STA. 42+11	CROSSING 4" MP DEO GAS LINE
13	SW CORNER OF CARNWISE AVE. & CLEVELAND AVE. STA. 42+92	CROSSING UT, EXACT SIZE AND DEPTH UNK
13	CARNWISE AVE. STA. 43+06	CROSSING 6" MP DEO GAS LINE
13	CARNWISE AVE. STA. 42+46 - 44+44	MANDATORY HDD BORE ACROSS CLEVELAND AVE
14	CARNWISE AVE. STA. 49+07	CROSSING 2" MP DEO GAS LINE
16	CARNWISE ST. STA. 58+10 - STA. 60+31	CROSSING WETLAND
17	DEO EASEMENT	PROPOSED WORK WITHIN 100' OF M&R STATION.
17	CLEVELAND AVE. STA. 3+40	CROSSING 6" MP DEO GAS LINE
17	CLEVELAND AVE. STA. 3+55	CROSSING 2" MP DEO GAS LINE

GENERAL ITEM - DESIGN REVIEW LIST

SHEET #	LOCATION (STREET, ESMT, ETC)	CAUTION NOTES
7	CROSSING MAPLEWOOD AVE. STA. 9+27	CROSSING 12" STM
7	CROSSING MAPLEWOOD AVE. STA. 9+45	CROSSING 12" SAN
7	CROSSING MAPLEWOOD AVE. STA. 9+64	CROSSING 12" STM
8	CROSSING 37TH ST STA. 17+50	CROSSING 12" STM
8	NW CORNER 37TH ST. & FORESTDALE AVE	CROSSING 24" STM
8	NW CORNER 37TH ST. & FORESTDALE AVE	CROSSING 12" STM
8	CROSSOVER OF FORESTDALE AVE @CL	CROSSING 8" SAN
9	EASEMENT STA. 19+31	CROSSING 12" STM
11	CROSSING HIGHVIEW AVE. EASEMENT STA. 31+26	CROSSING 8" SAN
12	SE CORNER OF HIGHVIEW AVE. & CARNWISE AVE. STA. 34+72	CROSSING 12" SD
12	SE CORNER OF HIGHVIEW AVE. & CARNWISE AVE. STA. 34+82	CROSSING 12" STM
12	SE CORNER OF HIGHVIEW AVE. & CARNWISE AVE. STA. 34+93	CROSSING 16" SAN
12	CARNWISE AVE. STA. 37+19	CROSSING 8" SAN
13	CARNWISE AVE. STA. 43+12	CROSSING 8" SAN
13	CARNWISE AVE. STA. 43+33	CROSSING 36" STM
13	CARNWISE AVE. STA. 43+80	CROSSING 12" STM
13	CARNWISE AVE. STA. 43+87	CROSSING 8" SAN
15	CARNWISE AVE. STA. 55+25	CROSSING 12" SAN
17	CLEVELAND AVE. STA. 3+42	CROSSING 8" SAN
17	CLEVELAND AVE. STA. 3+44	CROSSING 36" STM

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS 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.

OHIO UTILITIES PROTECTION SERVICE
2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764

REV #	DESCRIPTION	DATE	BY

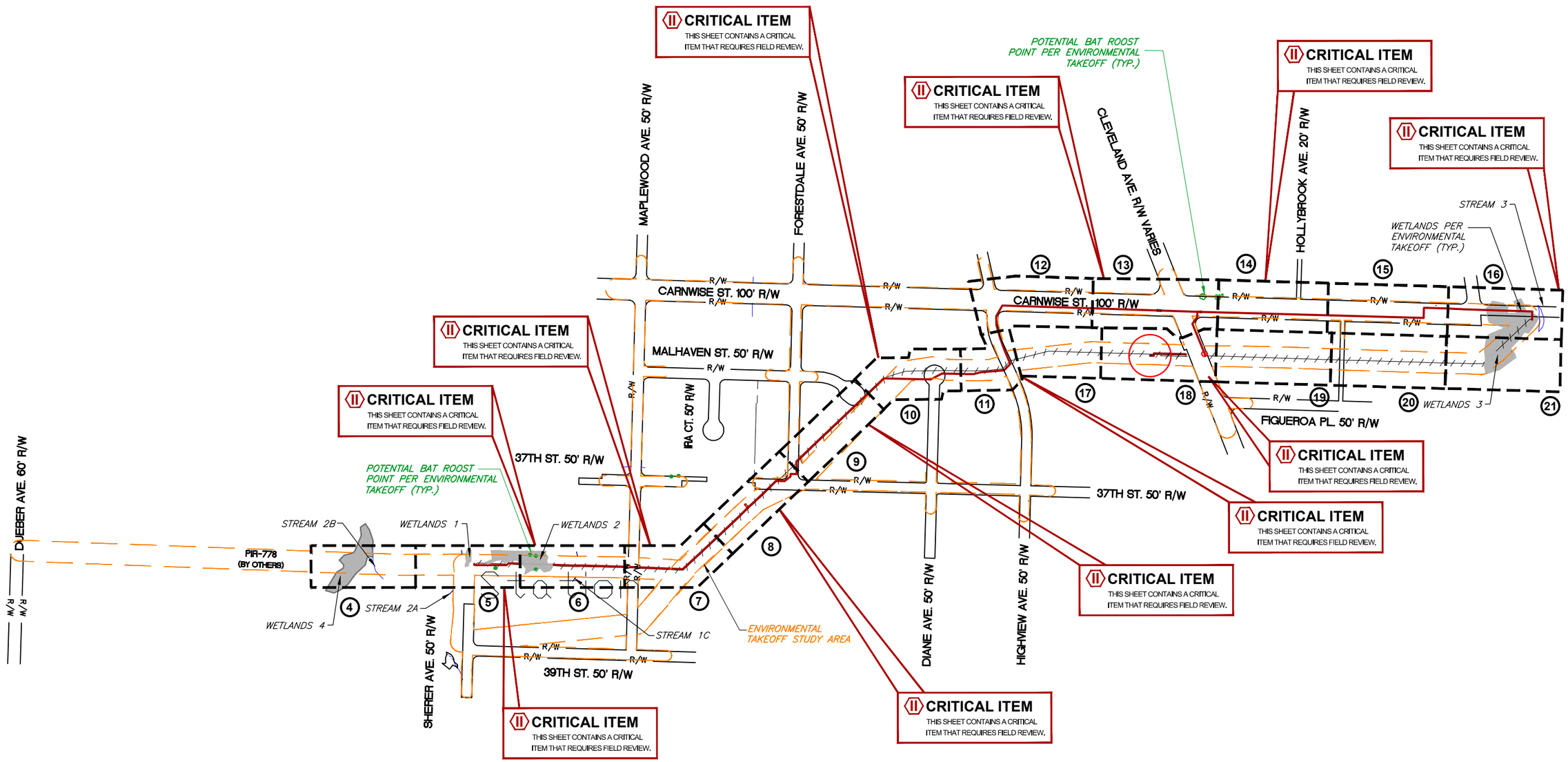
Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

CAUSE FOR PAUSE

DATE:10.11.2021
PROJECT ID#: P400146591

Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:51am Owner: lkaczmarek



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NORTH

DRAWING SCALE 0 250' 500'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

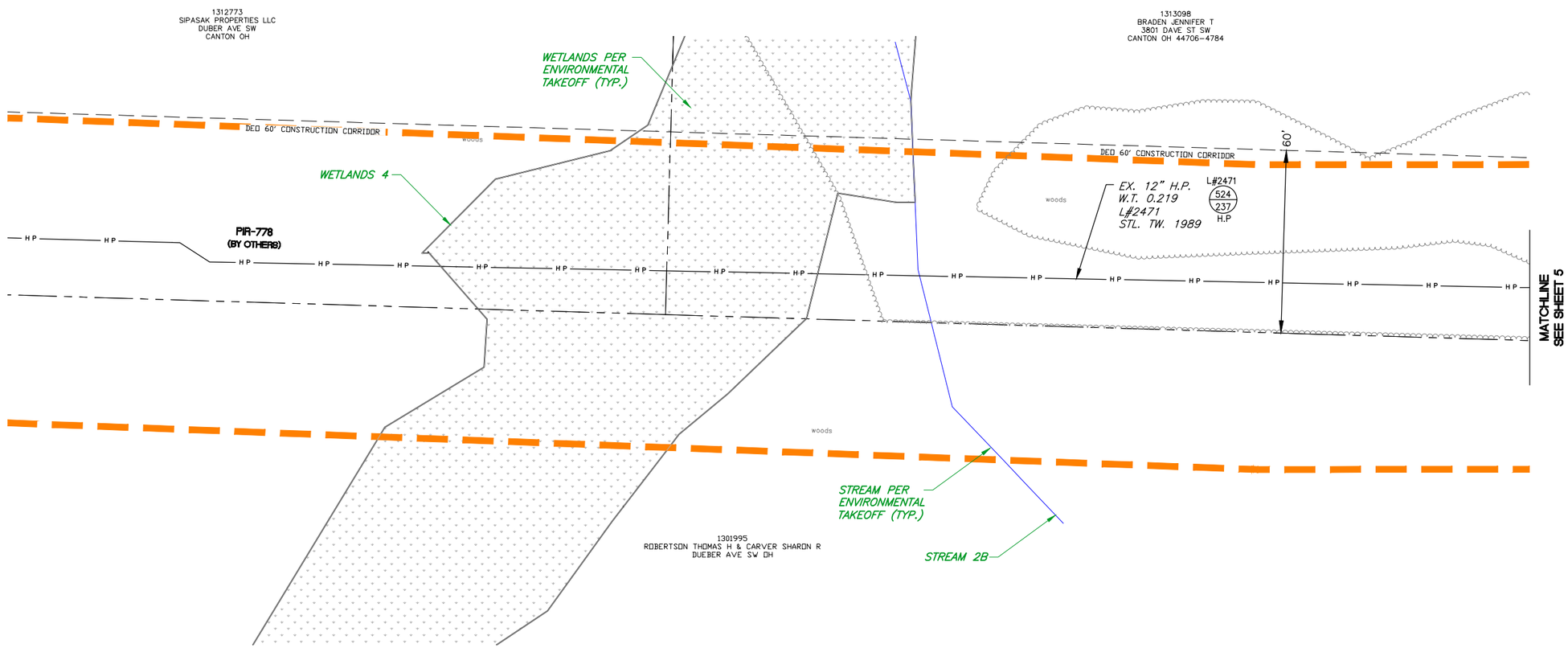
PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

SHEET INDEX

DATE:10.11.2021

PROJECT ID#: P400146591

Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:51am Owner: lkaczmarek



NORTH

DRAWING SCALE
0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

DEO CONSTRUCTION CORRIDOR

DATE:10.11.2021

PROJECT ID#: **P400146591**

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NOTE: WETLANDS AND STREAM MANDATORY OPEN CUT

UTILITY STRUCTURES

SSMH-210
RIM 1035.16
9.76 8" SPP NE TO SSMH211 INV 1025.40
9.76 8" SPP SW INV 1025.40

GAS FEED @ TIE-IN: DUAL

GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

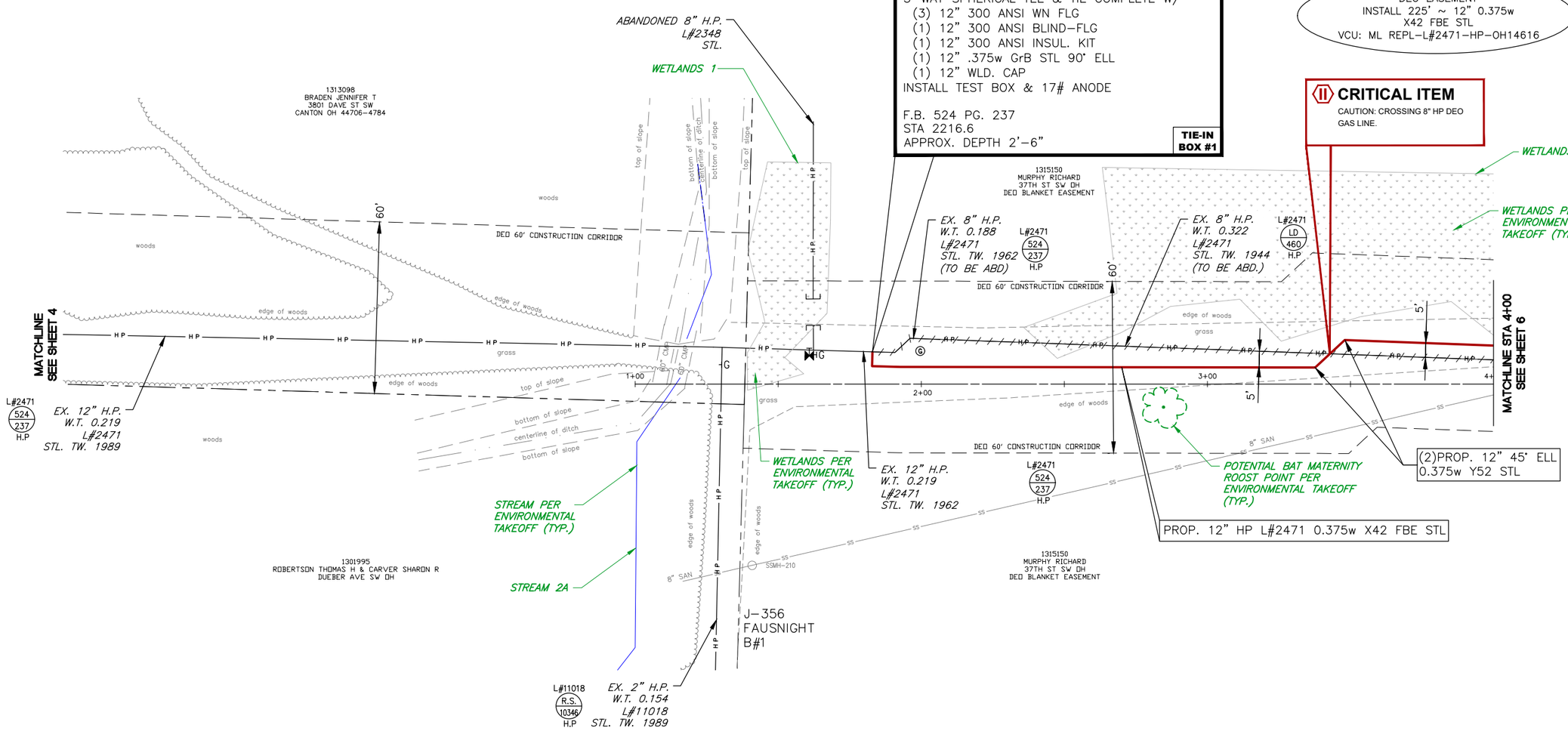
HP L# 2471 TIE-IN
CONTRACTOR TO INSTALL 12" ANSI 300
3-WAY SPHERICAL TEE & TIE COMPLETE W/
(3) 12" 300 ANSI WN FLG
(1) 12" 300 ANSI BLIND-FLG
(1) 12" 300 ANSI INSUL. KIT
(1) 12" .375w GrB STL 90° ELL
(1) 12" WLD. CAP
INSTALL TEST BOX & 17# ANODE

F.B. 524 PG. 237
STA 2216.6
APPROX. DEPTH 2'-6"

TIE-IN BOX #1

PIR
DEO EASEMENT
INSTALL 225' ~ 12" 0.375w
X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

CRITICAL ITEM
CAUTION: CROSSING 8" HP DEO GAS LINE.



NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave. City of Canton, Stark County

PLAN SHEET
STA. 1+00 TO STA. 4+00

DATE:10.11.2021
PROJECT ID#: P400146591

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NOTE: WETLANDS AND STREAM MANDATORY OPEN CUT

UTILITY STRUCTURES

SSMH-211
RIM 1031.36
12.95 8" SPP SW TO SSMH210 INV 1018.41
12.95 8" SPP E INV 1018.41

PROPOSED TIMBER MATTING PER DETAIL ON SHEET 19

CRITICAL ITEM
CAUTION: CROSSING WETLAND.

NOTE:
CONTRACTOR TO ABANDON AND REMOVE EXPOSED PIPE

POTENTIAL BAT MATERNITY ROOST POINT PER ENVIRONMENTAL TAKEOFF DO NOT DISTURB

WETLANDS PER ENVIRONMENTAL TAKEOFF (TYP.)

WETLANDS 2

1315150
MURPHY RICHARD
37TH ST SW OH
DEO BLANKET EASEMENT

1307527
LINDAMOOD CRAIG E &LORI J
MAPLEWOOD AVE SW OH

STARK COUNTY DRAINAGE EASEMENT

STREAM PER ENVIRONMENTAL TAKEOFF (TYP.)

NOTE:
EXTRA DEPTH WITH SHORING REQUIRED.

PROP. 12" HP L#2471 0.375w X42 FBE STL

DEO 60' CONSTRUCTION CORRIDOR

PR. 25' TEMPORARY CONSTRUCTION EASEMENT

MATCHLINE STA 4+00 SEE SHEET 5

MATCHLINE STA 9+00 SEE SHEET 7

EX. 8" H.P.
L#2471
W.T. 0.322
STL. 1944
(TO BE ABD.)

L#2471 LD 460 H.P

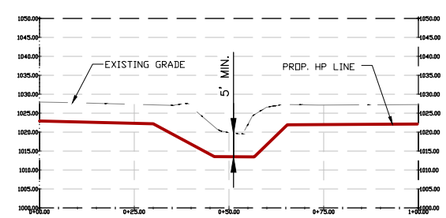
1310007
SMITH STEVEN W & JENNIFER R
MAPLEWOOD AVE SW OH

DEFINED EX. DEO EASEMENT

1310006
SMITH STEVEN W & JENNIFER R
3805 MAPLEWOOD AVE
SW CANTON OH 44706-4862

CRITICAL ITEM
CAUTION: CROSSING STREAM.

PIR
DEO EASEMENT
INSTALL 500' ~ 12" 0.375w
X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616



STREAM PROFILE
SUMMIT COUNTY DRIANGE EASEMENT
SCALE 1" = 20'

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 4+00 TO STA. 9+00

DATE 10.11.2021
PROJECT ID#: P400146591

6
27

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PIR
DEO EASEMENT
INSTALL 500' ~ 12" 0.375w
X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

UTILITY STRUCTURES

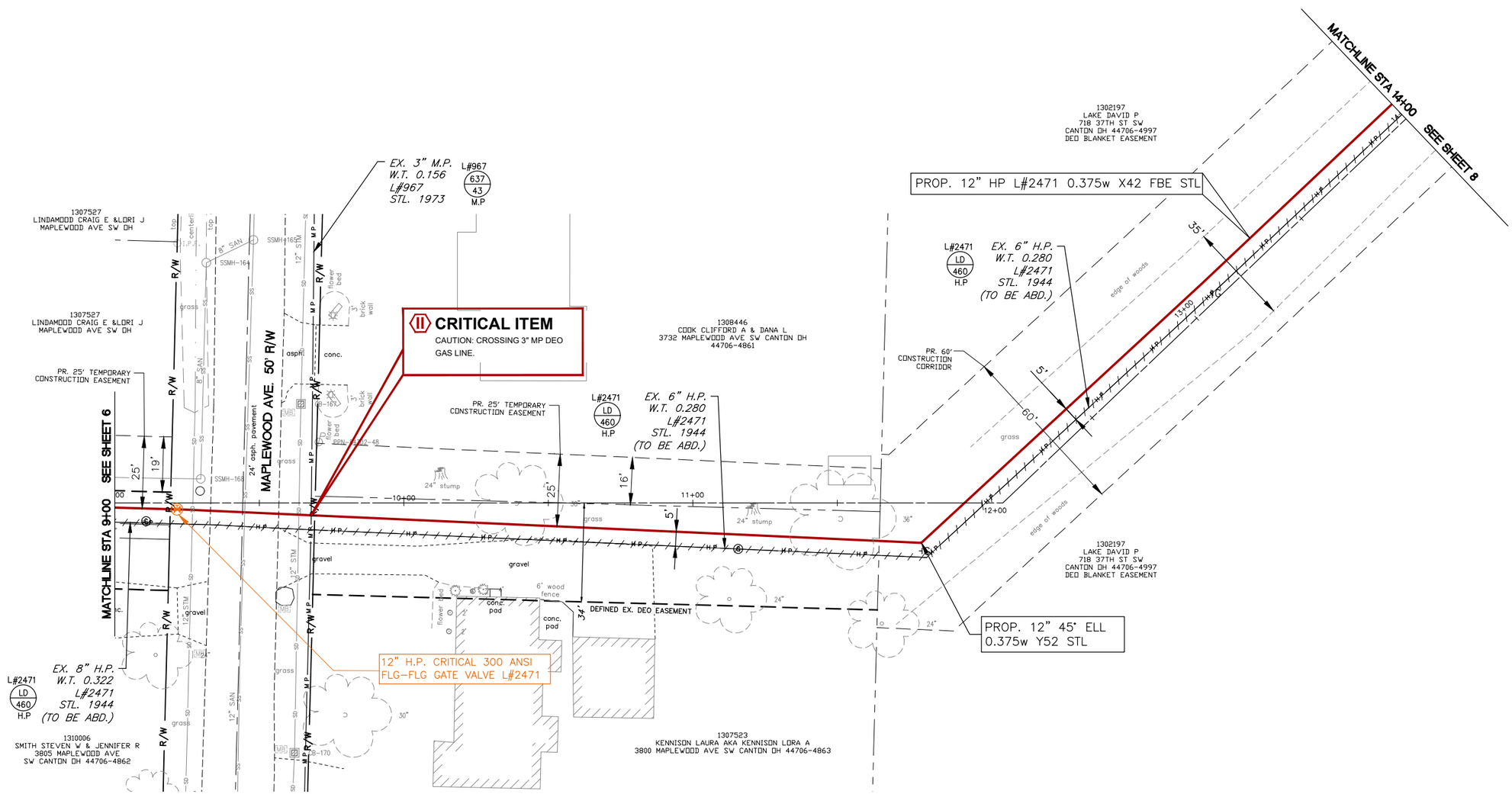
SSMH-164
RIM 1026.85
9.65 8" SPP NE TO SSMH165 INV 1017.20
9.65 8" SPP S TO SSMH168 INV 1017.20

SSMH-165
RIM 1027.19
10.11 12" SPP N TO SSMH157 INV 1017.08
10.11 12" SPP S TO SSMH172 INV 1017.08
10.11 8" SPP SW TO SSMH164 INV 1017.08

SSMH-168
RIM 1027.61
10.07 8" SPP N TO SSMH164 INV 1017.54
10.07 8" SPP W INV 1017.54

CB-167
RIM 1026.36
1.73 12"VCP N TO CBS166 INV 1024.63
1.73 12"VCP S TO CBS 170 INV 1024.63

CB-170
RIM 1027.44
FWD 0.89



NORTH

DRAWING SCALE
0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 9+00 TO STA. 14+00

DATE 10.11.2021
PROJECT ID#: **P400146591**

Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:54am Owner: lkaczmarek

UTILITY STRUCTURES

SSMH-135
RIM 1028.42
6.80 8" VCP N INV 1021.62
6.80 8" VCP E SSMH193 INV 1021.62
6.80 8" VCP W INV 1021.62
6.80 8" VCP S INV 1021.62

CB-131
RIM 1028.10
1.43 12"CPP E TO CBS130 INV 1026.67
3.34 18"RCP W TO CBS133 INV 1024.76

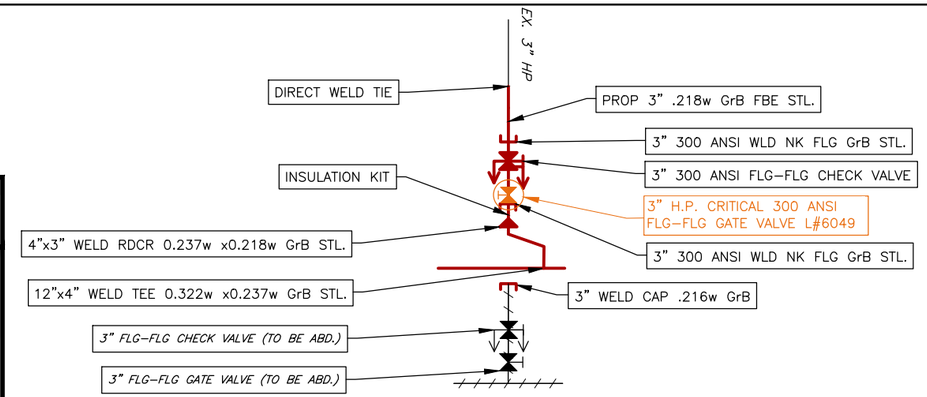
CB-132
RIM 1027.42
2.38 18"CMP E INV 1025.04
4.06 18"RCP NW TO CBS133 INV 1023.36

CB-133
RIM 1027.74
5.78 24"RCP W INV 1021.96
4.78 18"RCP SE TO CBS132 INV 1022.96
4.78 18"RCP E TO CBS131 INV 1022.96
4.78 18"SMP NE INV 1022.96
4.78 12"CMP N INV 1022.96

CB-136
RIM 1027.68
2.63 18"RCP SW TO CBS133 INV 1025.05
2.63 12"CMP N INV 1025.05

CB-195
RIM 1025.88
6.15 24"RCP N INV 1019.73
6.15 24"RCP E INV 1019.73

DRAIN-134
RIM 1025.58
CNO BOLTED SHUT



GAS FEED @ TIE-IN:
SINGLE (PRODUCER TIE)
GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

HP L# 6049 TIE-IN
CONTRACTOR TO SHUT IN PRODUCER, REMOVE A PORTION OF EXISTING PIPE & TIE COMPLETE W/

- (1) 300 ANSI 12"x4" TEE WLD 0.375w x0.237w GrB STL.
- (1) 300 ANSI 4"x3" RDCR 0.237w x0.218w GrB STL.
- (2) 300 ANSI 3" WN FLG.
- (1) 300 ANSI 3" FLG-FLG CHECK VALVE
- (1) CRITICAL 300 ANSI 3" FLG-FLG GATE VALVE
- (1) 3" INS KIT
- (1) 3" WELD CAP .216w GrB
- (2) 3" 45° ELL 0.218w GrB STL

DIRECT WELD TIE

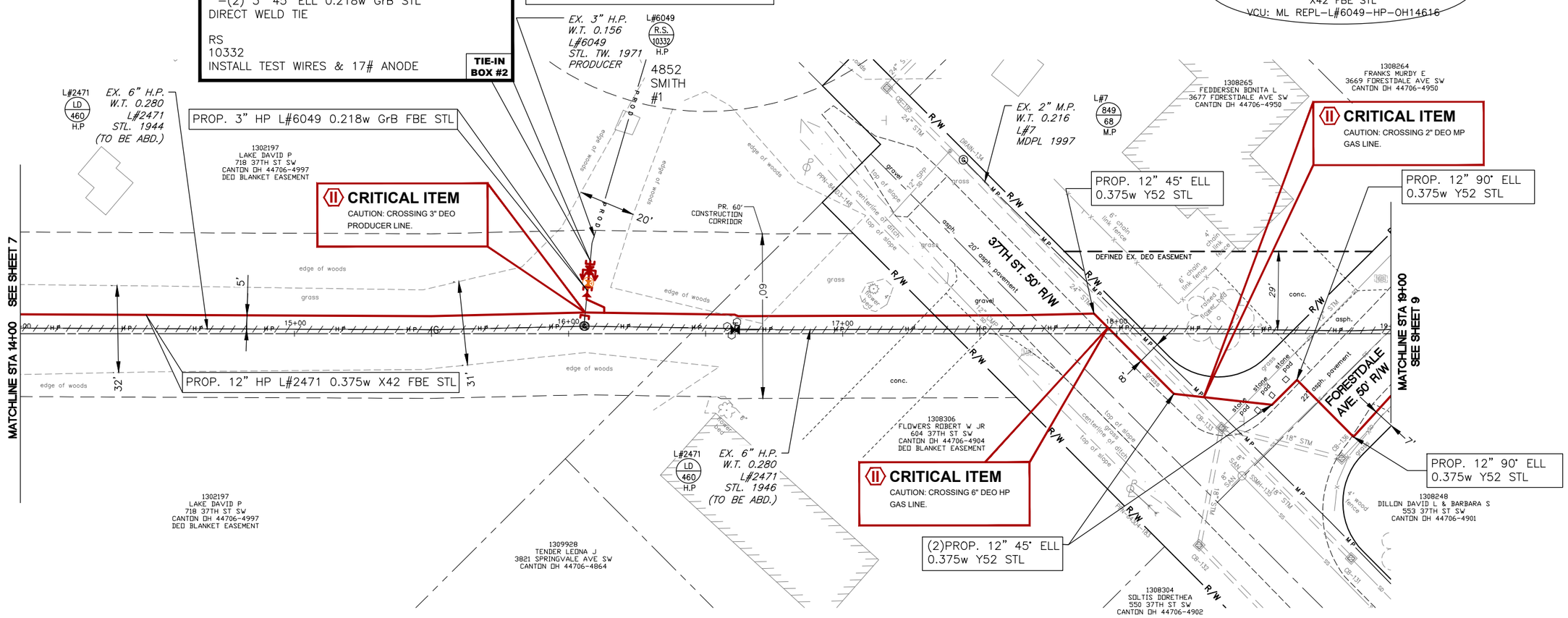
RS
10332
INSTALL TEST WIRES & 17# ANODE

TIE-IN BOX #2

NOTE:
CONTACT PAUL ROBINSON AND ALICE REYNOLDS PRIOR TO ANY WORK ON PRODUCTION L#6049 TO VERIFY PRODUCTION WELL TAPS/ABILITY TO SHUT-IN AT WELL.

PRODUCER TIE-IN DETAIL
NO SCALE

PIR
DEO EASEMENT
INSTALL 10' ~ 4" 0.237w
INSTALL 15' ~ 3" 0.375w
X42 FBE STL
VCU: ML REPL-L#6049-HP-OH14616



PIR
DEO EASEMENT
INSTALL 530' ~ 12" 0.375w
X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 14+00 TO STA. 19+00

DATE: 10.11.2021
PROJECT ID#: P400146591

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:54am Owner: lkaczmarek

NOTE: NARROW CONSTRUCTION CORRIDOR. USE CAUTION

UTILITY STRUCTURES

CB-137
RIM 1027.67
1.10 12"CMP S TO CBS133 INV 1026.57
1.10 12"CPP N TO CBS139 INV 1026.57

CB-138
RIM 1027.78
1.20 12"CMP N INV 1026.58
1.20 12"CMP S INV 1026.58

CB-139
RIM 1027.93
1.00 12"CMP S TO CBS137 INV 1026.93
1.00 12"CPP N TO CBS142 INV 1026.93
0.86 4"CPP W INV 1027.07

PIR
DEO EASEMENT
INSTALL 515' ~ 12" 0.375w
X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

CRITICAL ITEM
CAUTION: CROSSING 2" DEO MP GAS LINE.

CRITICAL ITEM
CAUTION: CROSSING 2" DEO MP GAS LINE.

CRITICAL ITEM
CAUTION: CROSSING 2" DEO MP GAS LINE.

EX. 2" M.P.
W.T. 0.216
L#715
MDPL 1980
L#715 681 129 M.P

EX. 6" H.P.
W.T. 0.280
L#2471
STL. 1946
(TO BE ABD.)
L#2471 LD 460 H.P

L#3191 1036 45 M.P
EX. 2" M.P.
W.T. 0.216
L#3191
MDPL 2015

L#3191 669 10 M.P
EX. 2" M.P.
W.T. 0.216
L#3191
PL-UNK 1978

1308264
FRANKS MURDY E
3669 FORESTDALE AVE SW
CANTON OH 44706-4950

1308265
FEDDERSEN BONITA L
3677 FORESTDALE AVE SW
CANTON OH 44706-4950

1308250
DABERKO DREW W
3660 FORESTDALE AVE SW
CANTON OH 44706-4951

1308251
WELLS ROBERT L
3650 FORESTDALE AVE SW
CANTON OH 44706-4951

1308253
TONNI RENTALS LLC &
TOZZI DANIEL N
537 MALHAVEN ST SW
CANTON OH 44706-4925

1308256
KESLER MICHAEL J
530 MALHAVEN ST SW
CANTON OH 44706-4926

FORESTDALE AVE. 50' R/W

MALHAVEN ST. 50' R/W

22' asph. pavement

DEFINED EX. DEO EASEMENT

PROP. 12" 45° ELL
0.375w Y52 STL

PROP. 12" HP L#2471 0.375w X42 FBE STL

MATCHLINE STA 19+00 SEE SHEET 8

MATCHLINE STA 24+00 SEE SHEET 10

1308248
DILLON DAVID L & BARBARA S
553 37TH ST SW
CANTON OH 44706-4901

1308247
US BANK NA
543 37TH ST SW CANTON OH
44706-4901

1308249
ALTON LAWRENCE W & KARA N
3670 FORESTDALE AVE SW
CANTON OH 44706-4951

1308250
DABERKO DREW W
3660 FORESTDALE AVE SW
CANTON OH 44706-4951

1308246
SIMON THOMAS W & MARTHA A
TRUSTEES 533 37TH ST SW
CANTON OH 44706-4901

1308254
TOZZI JAMES J & MAUREEN M
525 MALHAVEN ST SW
CANTON OH 44706-4925

1308255
WARD JERRY C
522 MALHAVEN ST SW
CANTON OH 44706-4926

AC COUPON
TEST STATION 1
(FOR Ø12" PIPE)
DET1/CATALOG#6/L
40°45'20.17"N 81°23'4.65"W
NOTE: HIGHEST UNMITIGATED CURRENT DENSITY PEAK OF 19.12 A/M²

TS

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 19+00 TO STA. 24+00

DATE:10.11.2021
PROJECT ID#: P400146591

9 / 27

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NOTE: NARROW CONSTRUCTION CORRIDOR. USE CAUTION

PIR
DEO EASEMENT
INSTALL 475' ~ 12" 0.375w
X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

CRITICAL ITEM
CAUTION: CROSSING 6" DEO HP GAS LINE.

CRITICAL ITEM
CAUTION: CROSSING 2" DEO MP GAS LINE.

PROP. 12" 45° ELL
0.375w Y52 STL

PROP. 12" HP L#2471 0.375w X42 FBE STL

PROP. 12" 45° ELL
0.375w Y52 STL

PROP. 12" 45° ELL
0.375w Y52 STL

EX. 6" H.P.
W.T. 0.280
L#2471
STL. 1946
(TO BE ABD.)

L#2471
LD
460
H.P

EX. 2" M.P.
W.T. 0.154
L#295
STL. TW. 1958

L#295
429
142
M.P

1308256
KESLER MICHAEL J
530 MALHAVEN ST SW
CANTON OH 44706-4926

1308255
WARD JERRY C
522 MALHAVEN ST SW
CANTON OH 44706-4926

1313820
FROELICH MICHAEL J
3661 DIANE AVE SW
CANTON OH 44706-5009

1305595
WICKS KEVIN
3641 DIANE AVE SW
CANTON OH 44706-5009
DEO BLANKET EASEMENT

1306116
JP MORGAN CHASE BANK NA
3631 DIANE AVE SW
CANTON OH 44706-5009
DEO BLANKET EASEMENT

1303418
CALKINS CLAY T
TRUSTEE/JOHN MEARS IRR
TRUST FBO REBECCA CALKINS
3630 DIANE AVE SW
CANTON OH 44706-5010
DEO BLANKET EASEMENT

1303818
BEHRINGER CARL M & PAMELA E
3640 DIANE AVE SW
CANTON OH 44706-5010
DEO BLANKET EASEMENT

GARAGE OF
3631 DIANE AVE SW

DIANE AVE. 60' R/W

PR. CONSTRUCTION CORRIDOR

PR. CONSTRUCTION CORRIDOR ON PROPERTY LINE

DEFINED EX. DEO EASEMENT

MATCHLINE STA 24+00 SEE SHEET 9

MATCHLINE STA 29+00 SEE SHEET 11

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 24+00 TO STA. 29+00

DATE:10.11.2021
PROJECT ID#: P400146591

10
27

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NOTE: NARROW CONSTRUCTION CORRIDOR. USE CAUTION

UTILITY STRUCTURES

SSMH-107
RIM 1034.00
12.43 8" VCP NW INV 1021.57
12.43 8" VCP SE INV 1021.57

CB-106
RIM 1020.55
1.35 12"VCP N TO CBS105 INV 1019.20
1.35 12"CPP S INV 1019.20

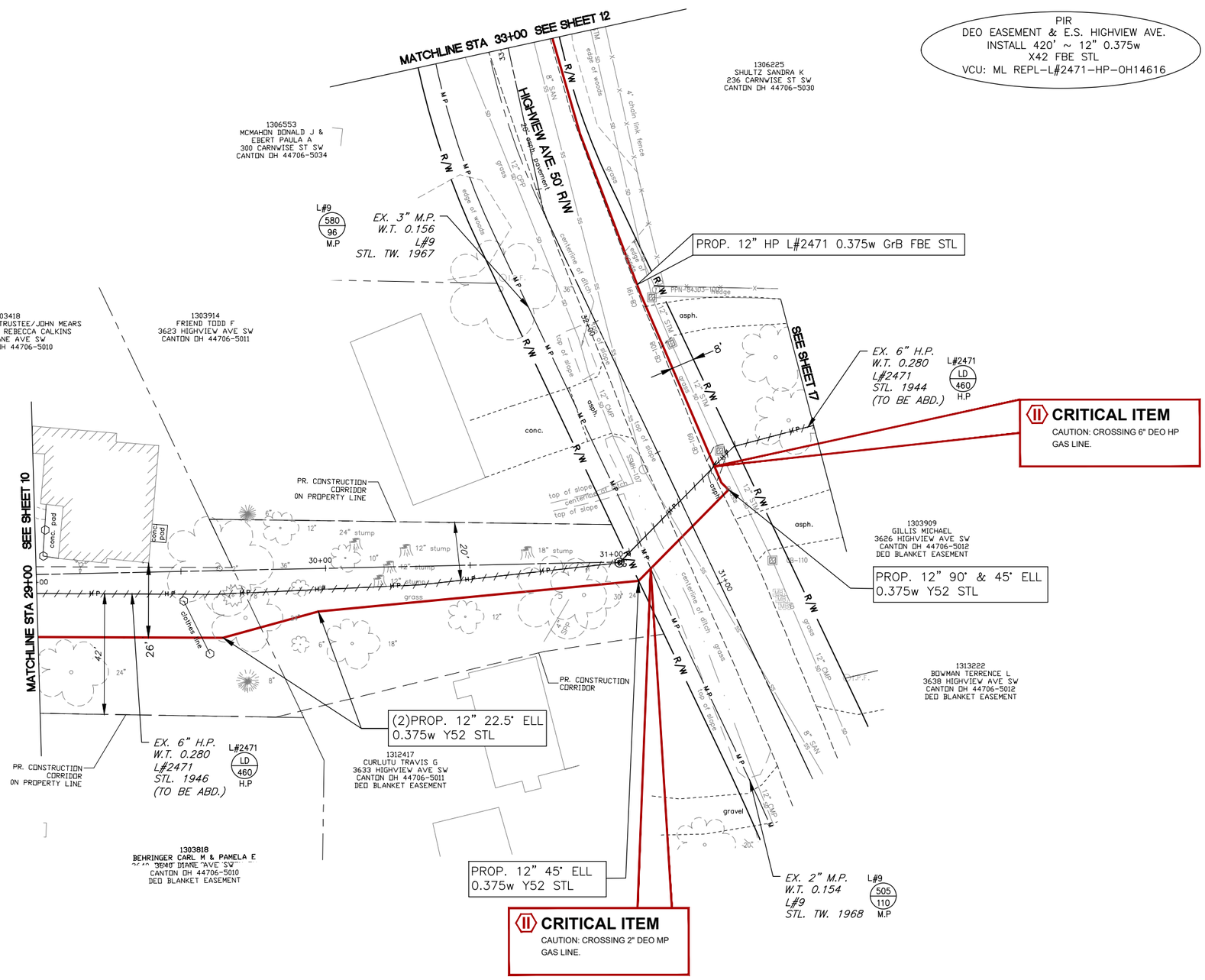
CB-108
RIM 1029.53
1.20 12"CPP SE TO CBS109 INV 1028.33
1.20 12"CMP NW TO CBS191 INV 1028.33

CB-109
RIM 1032.55
1.24 12"CPP NW TO CBS108 INV 1031.31
1.24 12"CMP SE TO CBS110 INV 1031.31

CB-110
RIM 1036.13
1.48 12"CMP NW TO CBS109 INV 1034.65
1.48 12"CMP SE INV 1034.65

CB-191
RIM 1028.80
1.51 12"CMP SE TO CBS108 INV 1027.29
1.51 12"CPP NW INV 1027.29

PIR
DEO EASEMENT & E.S. HIGHVIEW AVE.
INSTALL 420' ~ 12" 0.375w
X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616



NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
ALTERNATE PIPELAY

DATE:10.11.2021
PROJECT ID#: P400146591

11
27

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UTILITY STRUCTURES

SSMH 29
RIM 1018.45
12.00 16" VCP W TO SSMH25 INV 1006.45
12.00 16" VCP E TO SSMH55 INV 1006.45
12.00 12" VCP N INV 1006.45
9.55 8" VCP SE INV 1008.90

SSMH 32
RIM 1018.36
CNO PAVED OVER

CB 28
RIM 1017.20
1.35 12"SPP N INV 1015.85
1.35 12"CMP W INV 1015.85
1.35 12"VCP S INV 1015.85

CB 30
RIM 1017.86
1.56 12"CMP N INV 1016.30
1.56 12"VCP E INV 1016.30
1.56 12"VCP S INV 1016.30

CB 31
RIM 1017.12
1.56 12" CMP N INV 1015.56
1.56 12" CMP E INV 1015.56
1.56 12" SPP S INV 1015.56

CB 33
RIM 1017.07
1.45 12"VCP W TO CBS34 INV 1015.62
1.35 12"SPP S INV 1015.72
1.50 12"VCP N TO CBS48 INV 1015.57

CB 48
RIM 1016.89
1.40 12"VCP S TO CBS33 INV 1015.49
1.17 12"VCP N INV 1015.72
0.80 4"SPP W INV 1016.09

CB 50
RIM 1018.47
1.23 12"VCP E INV 1017.24
1.23 12"VCP W INV 1017.24

CB 51
RIM 1018.30
1.44 12"VCP E INV 1016.86
1.44 12"VCP W INV 1016.86
0.97 4"SPP N INV 1017.33

CB 52
RIM 1017.87
1.35 12"VCP E TO CBS53 INV 1016.52
1.35 12"VCP W INV 1016.52
0.75 4"SPP S INV 1017.12

CB 53
RIM 1017.79
1.35 12"VCP E TO CBS54 INV 1016.44
1.35 12"VCP W TO CBS52 INV 1016.44

CB 54
RIM 1018.11
1.30 12"SPP E INV 1016.81
1.30 12"VCP W TO CBS53 INV 1016.81
0.69 4SPP S INV 1017.42

CB 56
RIM 1018.02
1.00 12"VCP E INV 1017.02
1.00 12"VCP W INV 1017.02

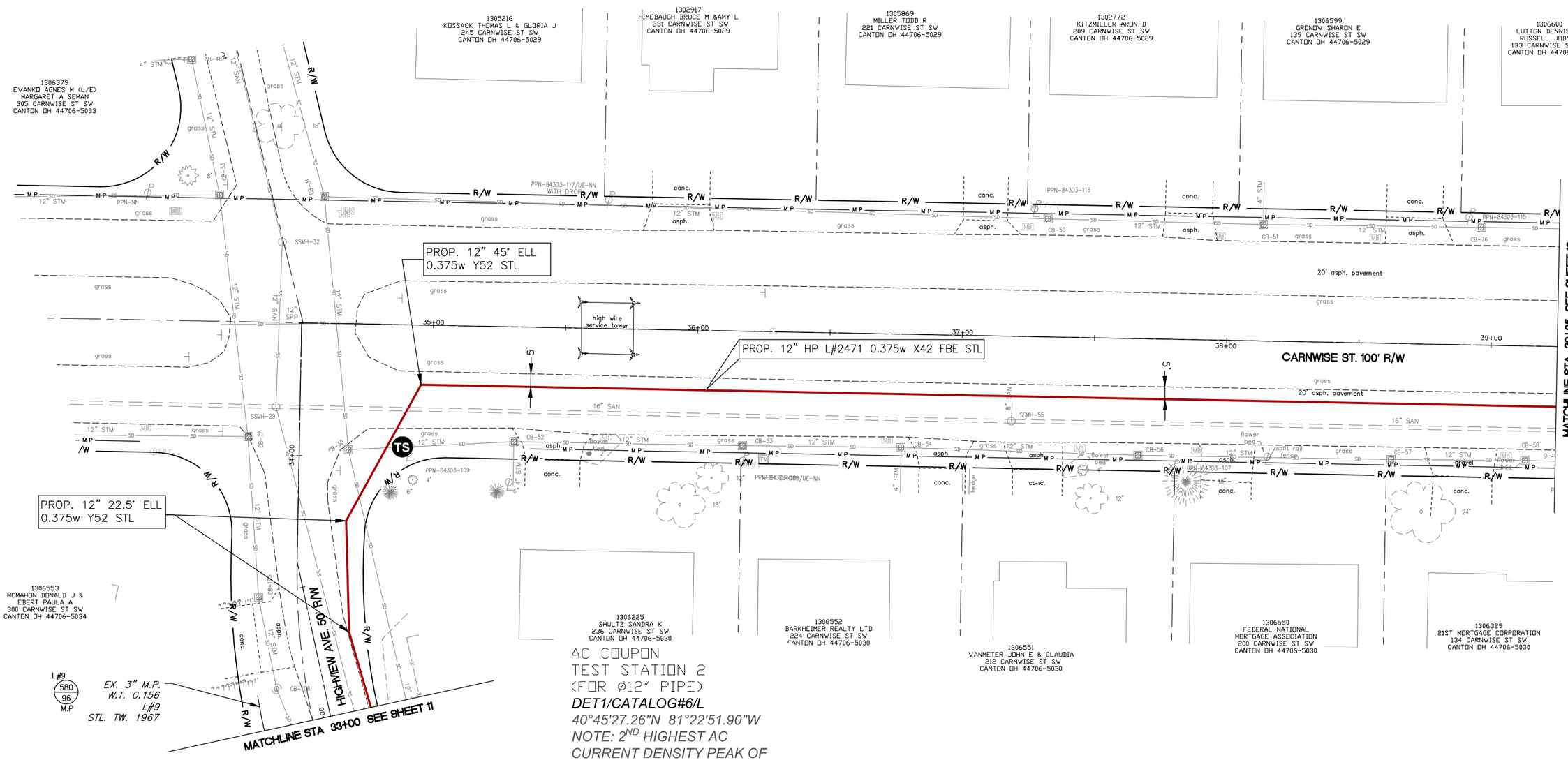
CB 57
RIM 1017.85
1.14 12"SPP E TO CBS58 INV 1016.71
1.14 12"SPP W INV 1016.71

CB 58
RIM 1017.68
1.40 12"SPP E TO CBS59 INV 1016.28
1.40 12"SPP W TO CBS 57 INV 1016.28

CB 76
RIM 1017.60
1.16 12"VCP E INV 1016.44
1.16 12"VCP W INV 1016.44

CB 105
RIM 1019.02
1.39 12"VCP N TO CBS28 INV 1017.63
1.28 12"CMP S TO CB106 INV 1017.74

CB 106
RIM 1020.55
1.35 12"VCP N TO CBS105 INV 1019.20
1.35 12"CPP S INV 1019.20



Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:56am Owner: lkaczmarek

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 33+00 TO STA. 39+25

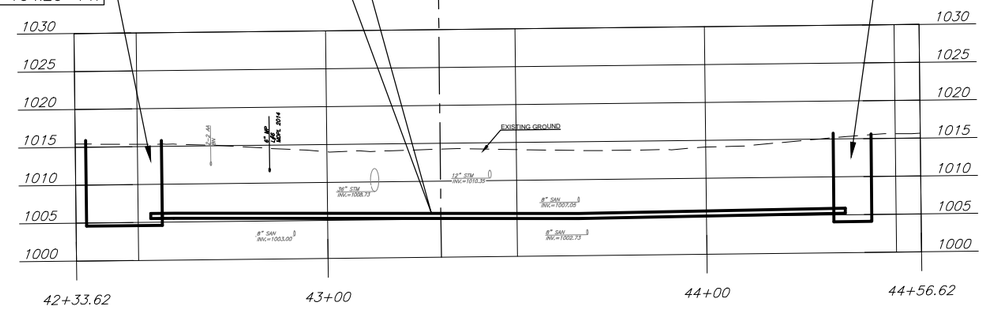
DATE:10.11.2021
PROJECT ID#: P400146591

NOTE: MANDATORY HDD BORE CLEVELAND AVE. (ST RT 800)

PROP. 12" HP L#2471 0.375w X42 POWERCRETE STL

PROP. 10'x20' PIT

PROP. 10'x10' PIT



CLEVELAND AVE H.P. CROSSING PROFILE

SCALE 1" = 20'

PIR
S.S. CARNWISE ST.
INSTALL 160' ~ 12" 0.375w X42 FBE STL
INSTALL 215' ~ 12" 0.375w X42 POWERCRETE STL
INSTALL 105' ~ 6" 0.280w GrB FBE STL
VCU: ML REPL-L#2471-HP-OH14616

THE ELEVATIONS / LOCATIONS OF THE UTILITIES SHOWN IN THE PROFILE AS APPROXIMATE. CANTON UTILITY LOCATIONS BASED ON RIM/INVERT MEASUREMENTS FOR SEWERS. CONTRACTOR TO VERIFY EX. UTILITIES AND LOCATIONS PRIOR TO CROSSING.

UTILITY STRUCTURES

SSMH60
RIM 1017.78
13.83 16"VCP W TO SSMH55 INV 1003.95
13.83 16"VCP E INV 1003.95

SSMH64
RIM 1014.04
11.52 16" VCP W INV 1002.52
11.52 16" VCP E INV 1002.52
11.52 8" VCP N INV 1002.52
11.52 8" VCP S INV 1002.52

SSMH80
RIM 1014.22
12.00 16"VCP W INV 1002.22
12.00 16"VCP E INV 1002.22
10.36 8"VCP S INV 1003.86
11.49 8"VCP N INV 1002.73
7.22 8"VCP N INV 1007.00

SSMH85
RIM 1016.33
9.55 8"VCP E INV 1006.78
9.55 8"VCP NW INV 1006.78

CBS59
RIM 1017.48
1.14 12"SPP E INV 1016.34
1.14 12"SPP W TO CBS58 INV 1016.34

CBS61
RIM 1014.33
2.05 12"SPP E INV 1012.28

CBS62
RIM 1014.43
3.29 15"SPP E INV 1011.14

CI63
RIM 1013.67
3.20 12" SPP W INV 1010.47
3.20 12" RCP E INV 1010.47

STMH65
RIM 1014.25
5.55 36" SPP N TO STMH68 INV 1008.70
5.55 36" SPP S INV 1008.70
4.40 12" SPP E INV 1009.85
4.40 12" SPP W TO CI63 INV 1009.85

CI66
RIM 1013.66
3.10 12" SPP W TO STMH67 INV 1010.56
3.10 12" SPP E INV 1010.56

STMH67
RIM 1014.53
6.20 36" SPP N TO STMH65 INV 1008.33
6.20 36" SPP S TO STMH87 INV 1008.33
4.30 12" SPP E TO CI66 INV 1010.23

STMH68
RIM 1014.38
5.49 36" SPP N TO STMH71 INV 1008.89
5.49 36" SPP S TO STMH65 INV 1008.89
4.60 12" SPP W INV 1009.78

CI69
RIM 1013.48
3.30 12" SPP E TO STMH68 INV 1010.18

CI70
RIM 1014.45
2.60 12" SPP SW INV 1011.85

STMH71
RIM 1015.39
6.43 36" SPP S TO STMH68 INV 1008.96
6.43 36" SPP N INV 1008.96
5.82 12" SPP E INV 1009.57
4.10 12" SPP W INV 1011.29

CBS73
RIM 1016.20
2.12 12" SPP W INV 1014.08
3.42 12" SPP NE TO CBS72 INV 1012.78

CBS74
RIM 1016.80
1.25 12"SPP W TO CBS75 INV 1015.55
1.25 12"SPP E INV 1015.55

CBS75
RIM 1017.30
1.50 12"SPP E TO CBS74 INV 1015.80
1.50 12"CMP W INV 1015.80
1.40 4"SPP NE INV 1015.90

CI77
RIM 1014.20
2.50 12"SPP SE TO CI78 INV 1011.70
2.50 12"SPP N INV 1011.70

CI78
RIM 1013.75
2.55 12"SPP NW TO CI77 INV 1011.20
2.55 12"SPP SW INV 1011.20

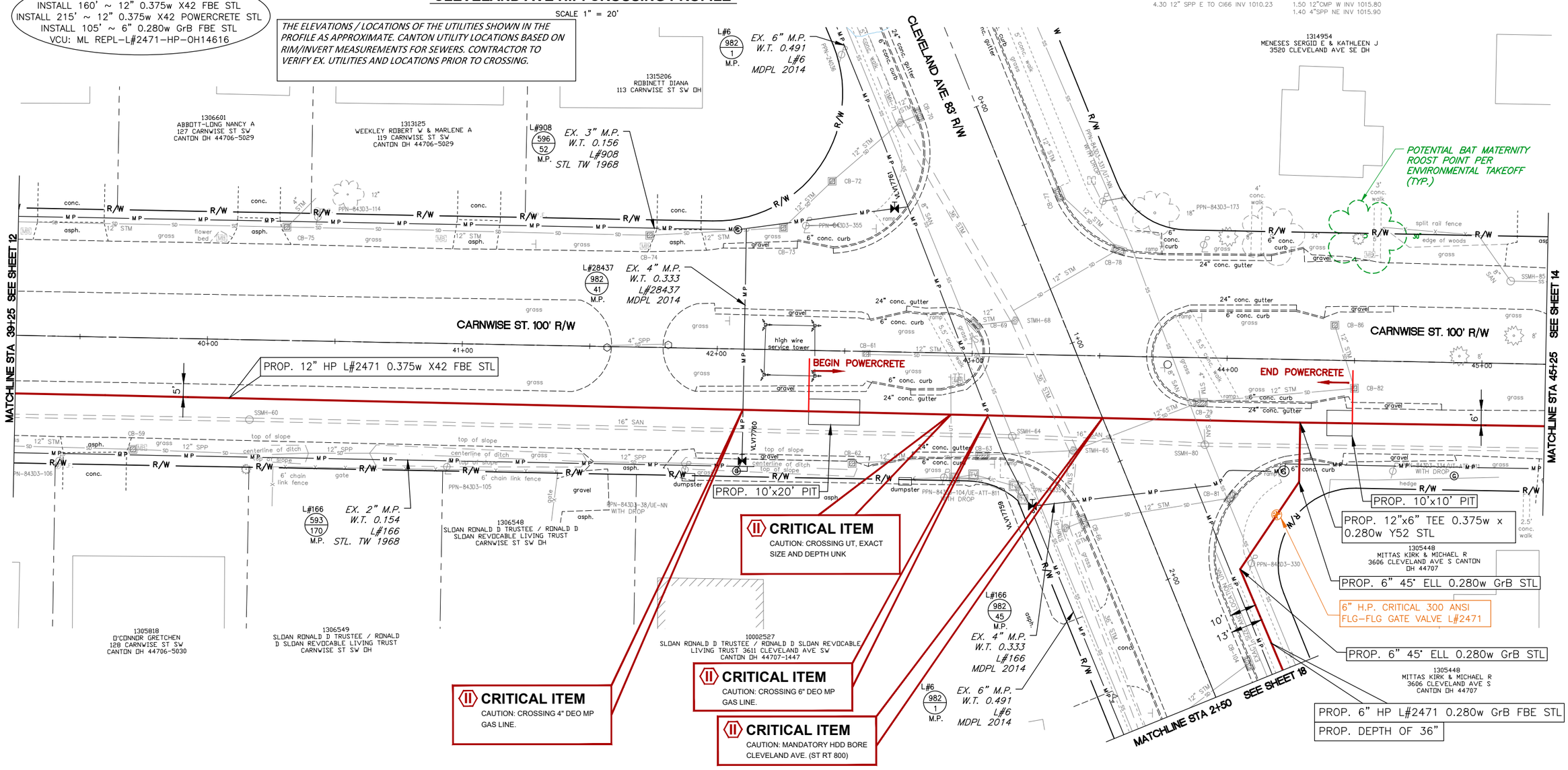
CI79
RIM 1013.52
2.70 12"SPP E TO CBS82 INV 1010.82
2.70 12"SPP W INV 1010.82
2.70 4"SPP N INV 1010.82

CI81
RIM 1013.68
1.98 12"SPP W INV 1011.70

CBS82
RIM 1015.08
2.30 12"SPP N TO CBS86 INV 1012.78
2.30 12"SPP W TO CI79 INV 1012.78

CBS86
RIM 1015.17
1.70 12"SPP S TO CBS82 INV 1013.47

CI104
RIM 1014.03
2.34 12" SPP W INV 1011.69



NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 39+25 TO 45+25

DATE:10.11.2021

PROJECT ID#: P400146591

13
27

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS 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.

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:57am Owner: lkaczmarek

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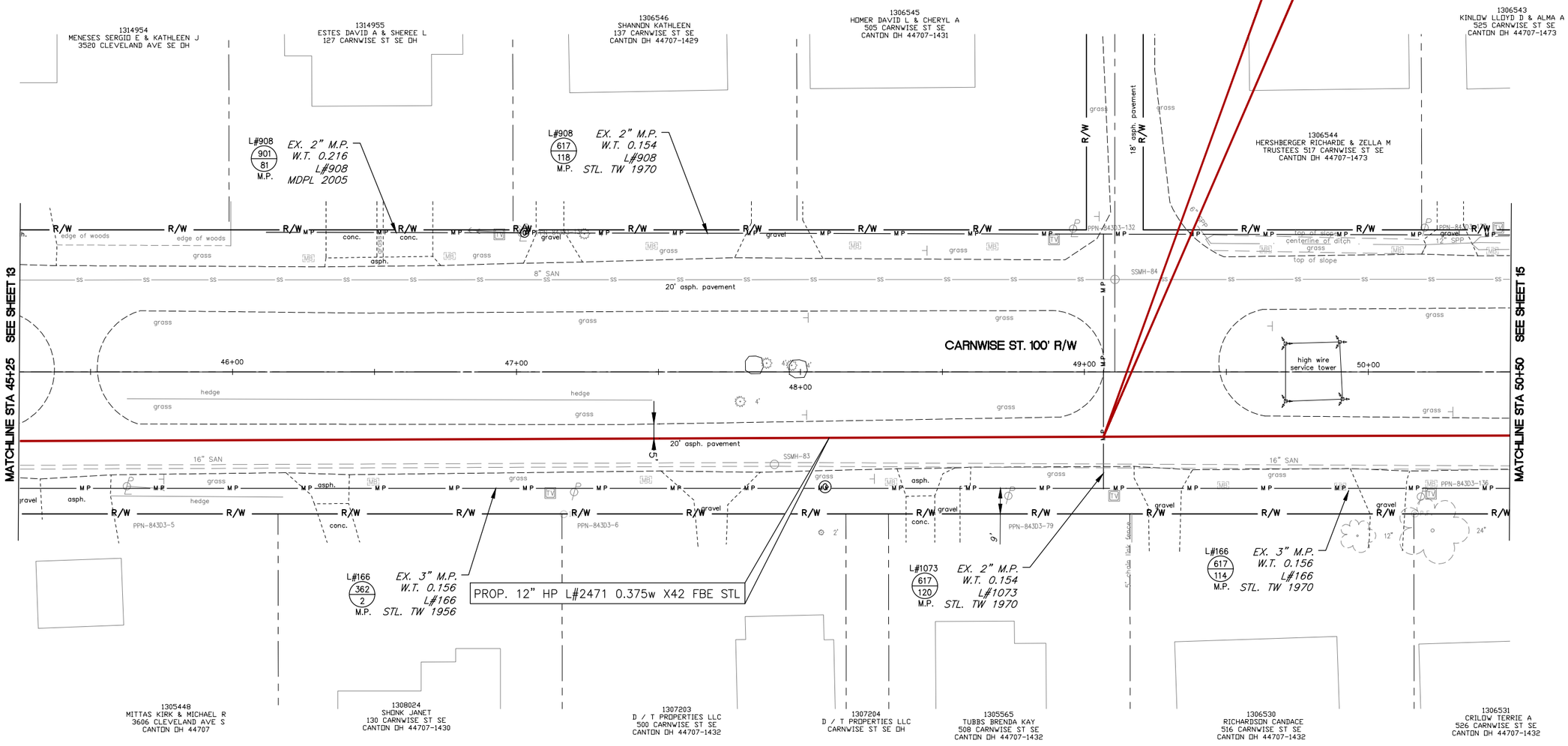
UTILITY STRUCTURES

SSMH83
RIM 1014.82
14.57 16"VCP W INV 1000.25
14.57 16"VCP E INV 1000.25

SSMH84
RIM 1014.02
9.84 8"VCP W INV 1004.18
9.84 8"VCP E INV 1004.18

CRITICAL ITEM
CAUTION: CROSSING 2" DEO MP GAS LINE.



PIR
S.S. CARNWISE ST.
INSTALL 525' ~ 12" 0.375w X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 45+25 TO STA. 50+50

DATE:10.11.2021
PROJECT ID#: P400146591

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:57am Owner: lkaczmarek

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UTILITY STRUCTURES

SSMH203
RIM 1005.31
7.72 16" SPP W INV 997.59
7.72 12" SPP NE TO SSMH205 INV 997.59
7.72 12" SPP N INV 997.59
7.72 10" SPP S INV 997.59

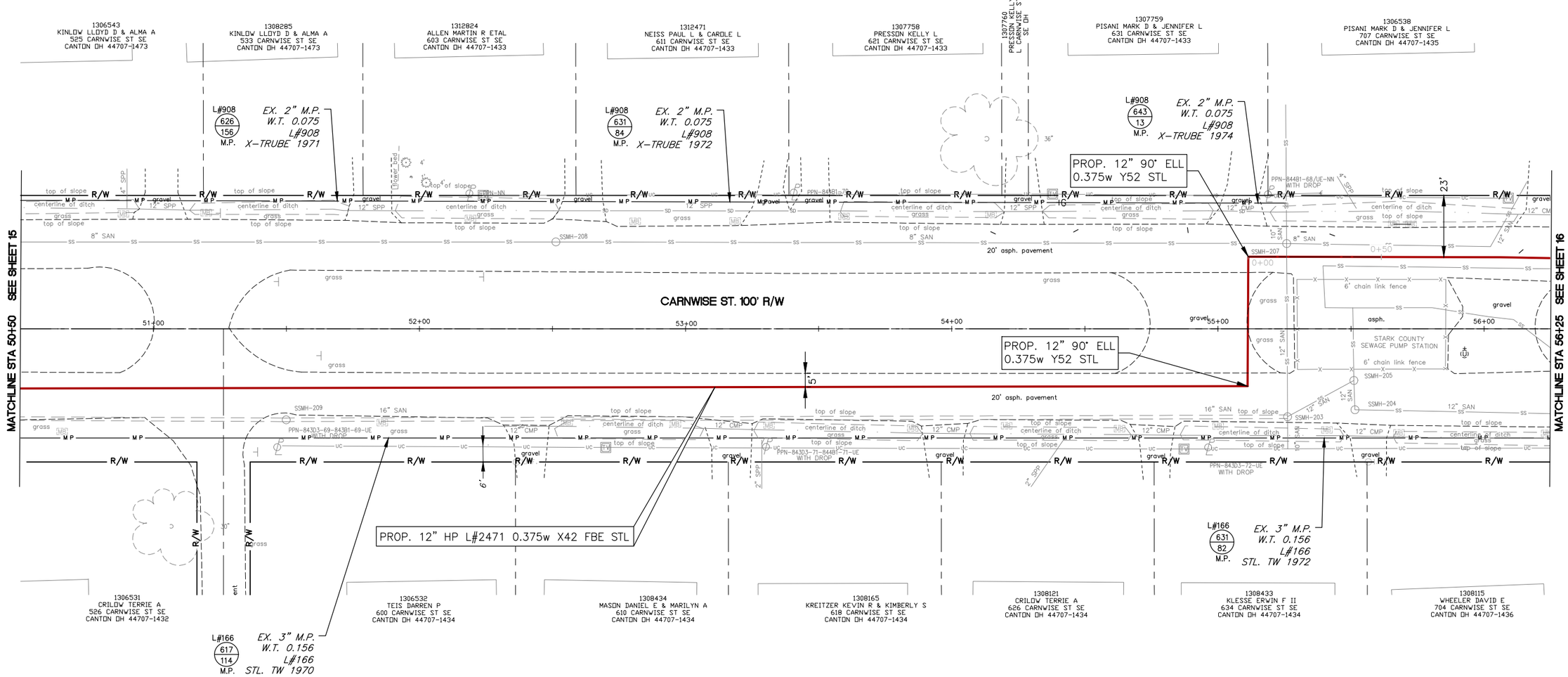
SSMH204
RIM 1004.88
9.53 12" SPP N INV 995.35
9.53 12" SPP E INV 995.35

SSMH205
RIM 1004.67
9.80 12" SPP SW TO SSMH203 INV 994.87
9.80 12" SPP N INV 994.87
8.03 12" SPP S INV 996.64

SSMH207
RIM 1005.50
7.97 12" SPP S INV 997.53
7.97 10" SPP N INV 997.53
7.60 8" VCP E INV 997.90
7.60 8" VCP W TO SSMH208 INV 997.90

SSMH208
RIM 1011.47
9.50 8" VCP E TO SSMH207 INV 1001.97
9.50 8" VCP W INV 1001.97

SSMH209
RIM 1012.02
12.85 16" SPP E INV 999.17
12.85 16" SPP W INV 999.17



PIR
S.S., X-OVER, N.S. OF CARNWISE ST.
INSTALL 625' ~ 12" 0.375w X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave. City of Canton, Stark County

PLAN SHEET
STA. 50+50 TO STA. 56+25

DATE10.11.2021

PROJECT ID#: P400146591

Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:58am Owner: lkaczmarek

UTILITY STRUCTURES

SSMH206
RIM 1003.22
6.18 12" SPP W TO SSMH204 INV 997.04
6.18 10" SPP S INV 997.04

NOTE: WETLANDS AND STREAM MANDATORY OPEN CUT

NOTE: ALL EXCAVATIONS WITHIN THE FLOOD PLAIN MUST BE RETURNED TO PRECONSTRUCTION CONTOURS

GAS FEED @ TIE-IN:
DUAL

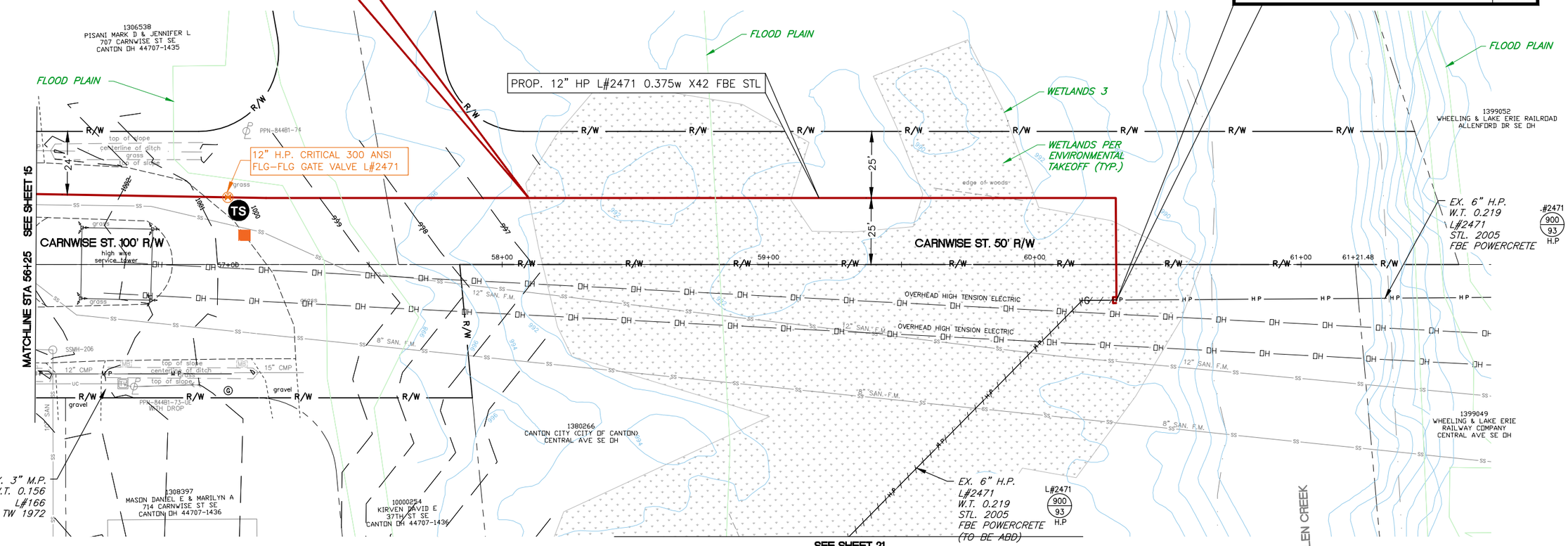
GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

HP L# 2471 TIE-IN
CONTRACTOR TO INSTALL 6" ANSI 300 3-WAY SPHERICAL TEE & TIE COMPLETE W/
(3) 6" 300 ANSI WN FLG
(1) 6"x12" .280w x .375w Y52 RDCR.
(1) 6" 300 ANSI INSUL. KIT
(1) 12" Y52 STL 90° ELL
(1) 6" 300 ANSI BLIND FLG
(1) 6" WLD CAP
INSTALL TEST BOX & 17# ANODE

F.B. 900 PG. 93
STA 2+57.6
APPROX. DEPTH 42"

TIE-IN BOX #3

CRITICAL ITEM
CAUTION: CROSSING WETLAND.



PACT
DEVICE
DET2&DET3
40°45'26.59"N
81°22'19.60"W

AC COUPON
TEST STATION 4
(FOR ø12" PIPE)
DET1/CATALOG#6/L
40°45'26.66"N 81°22'19.59"W
NOTE: HIGHEST UNMITIGATED TOUCH POTENTIAL OF 9.75 VOLTS

PIR
N.S. & X-OVER OF CARNWISE ST.
INSTALL 445' ~ 12" 0.375w X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 56+00 TO STA. 61+00

DATE:10.11.2021
PROJECT ID#: P400146591

16
27

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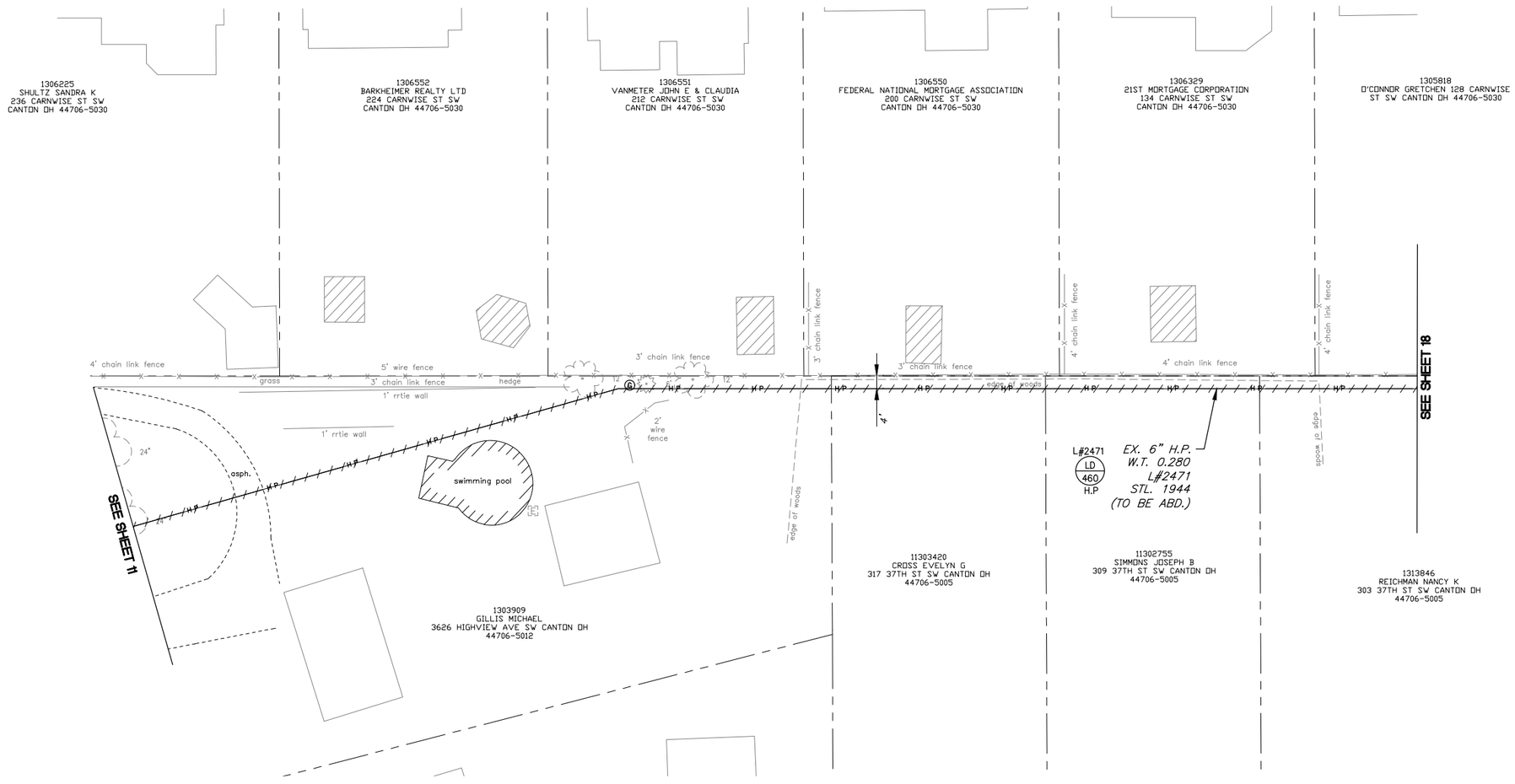

NORTH

DRAWING SCALE
0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET

DATE:10.11.2021

PROJECT ID#:
P400146591

17
27

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Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:59am Owner: lkaczmarek

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UTILITY STRUCTURES

SSMH-93
RIM 1014.87
10.08 8"VCP N INV 1004.79
10.08 8"VCP S INV 1004.79

STMH-87
RIM 1014.64
6.75 36"SPP N TO STMH67 INV 1007.89
6.75 36"SPP S TO STMH91 INV 1007.89
4.41 12"SPP E TO STMH88 INV 1010.23
5.65 12"SPP SW INV 1008.99

STMH-91
RIM 1014.56
7.34 36"SPP N TO STMH87 INV 1007.22
7.34 36"RCP S TO STMH94 INV 1007.22
4.00 12"SPP E TO CI92 INV 1010.56
4.00 12"SPP W TO DRAIN90 INV 1010.56

CI-88
RIM 1013.86
3.25 12"SPP W TO STMH87 INV 1010.61
3.25 12"SPP E INV 1010.61

CI-92
RIM 1013.89
3.02 12"SPP W TO STMH91 INV 1010.87
3.02 12"RCP E INV 1010.87

CI-103
RIM 1014.05
2.80 12" SPP W INV 1011.25

DRAIN-89
RIM 1013.13
1.97 12"SPP NW INV 1011.16

DRAIN-90
RIM 1015.57
CNO BOLTED DOWN

CRITICAL ITEM
CAUTION: PROPOSED WORK WITHIN 100' OF M&R STATION.

GAS FEED @ TIE-IN:
GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

HP L# 2471 TIE-IN
CONTRACTOR TO INSTALL 6" ANSI 300 3-WAY SPHERICAL TEE & TIE COMPLETE W/
-(3) 6" 300 ANSI WN FLG
-(1) 6" 300 ANSI INS KIT
-(1) 6" 300 ANSI BLD FLG
-(1) 6" FLG-FLG GATE VALVE
-(1) 6" WLD CAP
-(1) 6" 90° ELL
15.1' – WWPL CLEVELAND AVE.
4.0' – SNPL DEO EASEMENT
FB. 982 PG. 177
STA. 0+93
APPROX. DEPTH 6'3"
(CORROSION NOTE)
TIE-IN BOX #4

GAS FEED @ TIE-IN: SINGLE
GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

MP L# 5 TIE-IN
CONTRACTOR TO INSTALL DOUBLE BYPASS & TIE COMPLETE W/ 8"X6" RDCR MDPL AND 6" EF CPLG.

11' SNPL 3625 CLEVELAND AVE. SW
7' WWPL CLEVELAND AVE
FB. 982 PG. 55
FB. STA 93
APPROX. DEPTH 40"
TIE-IN BOX #5

PIR
E.S. CLEVELAND AVE
INSTALL 125' ~ 6" 0.280w GrB FBE STL
VCU: ML REPL-L#2471-HP-OH14616

PIR
DEO EASEMENT
INSTALL 135' ~ 8" MDPL
INSTALL 5' ~ 6" 0.280w GrB FBE STL
VCU: ML REPL-L#5-MP-OH14616

PIR
DEO EASEMENT
INSTALL 190' ~ 6" 0.280w GrB FBE STL
VCU: ML REPL-L#2471-HP-OH14616

PROP. 6" HP L#2471
0.280w GrB FBE STL
PROP. DEPTH OF 36"

EX. 6" M.P. W.T. 0.491 L#6 MDPL 2014 (L#6 982 1 M.P.)
EX. 2" M.P. L#87 W.T. 0.216 MDPL 2014 (L#87 982 155 M.P)
EX. 6" H.P. W.T. 0.280 L#2471 STL. FBE 2014 (L#2471 982 177 H.P)

MATCHLINE STA 2+50
SEE SHEET 13
CLEVELAND AVE 95 R/W
CLEVELAND AVE 83' R/W
SEE SHEET 17
SEE SHEET 19

1306549
SLOAN RONALD D TRUSTEE / RONALD D SLOAN
REVOCABLE LIVING TRUST CARNWISE ST SW OH

1306548
SLOAN RONALD D TRUSTEE / RONALD D SLOAN REVOCABLE LIVING TRUST
CARNWISE ST SW OH

1305818
O'CONNOR GRETCHEN 128 CARNWISE
ST SW CANTON OH 44706-5030

10002527
SLOAN RONALD D TRUSTEE / RONALD D SLOAN REVOCABLE LIVING TRUST
3611 CLEVELAND AVE SW
CANTON OH 44707-1447

1305447
B & S PROPERTY GROUP LLC
3616 CLEVELAND AVE SE OH

AC COUPON
TEST STATION 3
(FOR Ø6" PIPE)
DET1/CATALOG#6/L
40°45'25.00"N
81°22'39.08"W

EX. M.P. 6" BALL VALVE #17758
EX. 6" H.P. W.T. 0.280 L#2471 STL. 1944 (TO BE ABD.) (L#2471 LD 460 H.P)
APPROX. DEPTH 74"
PROP. 6" HP L#2471
0.280w GrB FBE STL
TEMPORARY CONSTRUCTION EASEMENT
EX. DEO EASEMENT
CLEVELAND & CARNWISE M&R STATION
1312146
EAST OHIO GAS COMPANY
CLEVELAND AVE SW OH
SEE SHEET 17A FOR TIE IN DATA AT M&R STATION
PROP. 8" MP L#5
0.280w GrB FBE STL
EX. 6" M.P. W.T. 0.188 L#5 STL. TW. 1954 (TO BE ABD) (L#5 321 7 M.P)
EX. 6" M.P. W.T. 0.491 L#5 MDPL 2014 (L#5 955 55 M.P)
EX. M.P. 6" BALL VALVE #17757
EX. 6" H.P. W.T. 0.280 L#2471 STL. FBE 2014 (TO BE ABD.) (L#2471 982 177 H.P)
APPROX. DEPTH 55"

1313846
REICHMAN NANCY K
303 37TH ST SW CANTON OH
44706-5005

1306395
ROCK BRIAN R
231 37TH ST SW CANTON OH
44706-5003

1306394
ROCK BRIAN R
37TH ST SW
CANTON OH 44706-5003

10003711
FRITZ DICK TIRE & BRAKE SERVICE INC
3625 CLEVELAND AVE SW CANTON OH
44707-1447

6" H.P. CRITICAL 300 ANSI FLG-FLG GATE VALVE L#2471

1304893
BRENNER ROBERT E & RENEE B
105 37TH ST SW
CANTON OH 44706-5001

1310135
FRITZ DICK TIRE & BRAKE SERVICE INC
CLEVELAND AVE SW OH

8" M.P. CRITICAL GATE VALVE L#5

10003404
DRSO ENTERPRISES LTD
CLEVELAND AVE SW
CANTON OH 44707-1447

EX. 6" M.P. W.T. 0.491 L#6 MDPL 2014 (L#6 982 1 M.P)

1306529
JSMN DOLLAR GENERAL
PROPERTIES LLC
3626 CLEVELAND
AVE SE OH

CAUTION: ALL EXCAVATIONS WITHIN 100' OF M&R STATION REQUIRE FIELD VERIFICATION OF CRITICAL COMPONENT LOCATIONS (SENSING LINES, SLAM SHUTS, ISOLATION VALVES ETC.). DEO GM&R MUST BE ONSITE PRIOR TO ANY EXCAVATION WITHIN DEFINED BOUNDARY.

SEE COVER SHEET FOR APPROVAL SIGNATURES.

*** ANY CHANGES TO DRAWINGS WITHIN STATION BOUNDARY REQUIRE NEW SIGNATURES**

GAS FEED @ TIE-IN:
GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

HP L# 2471 TIE-IN
CONTRACTOR TO INSTALL 6" ANSI 300 3-WAY SPHERICAL TEE & TIE COMPLETE W/
-(3) 6" 300 WN FLG ANSI
-(1) 6" 300 ANSI INS KIT
-(1) 6" 300 ANSI BLD FLG
-(1) 6" GrB STL 45° ELL
-(1) 6" WLD CAP
11.0' – WEPL CLEVELAND AVE.
4.0' – SNPL DEO EASEMENT
FB. 982 PG. 177
STA. 0+06.7
APPROX. DEPTH 4'9"
(CORROSION NOTE)
TIE-IN BOX #6

NORTH
DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

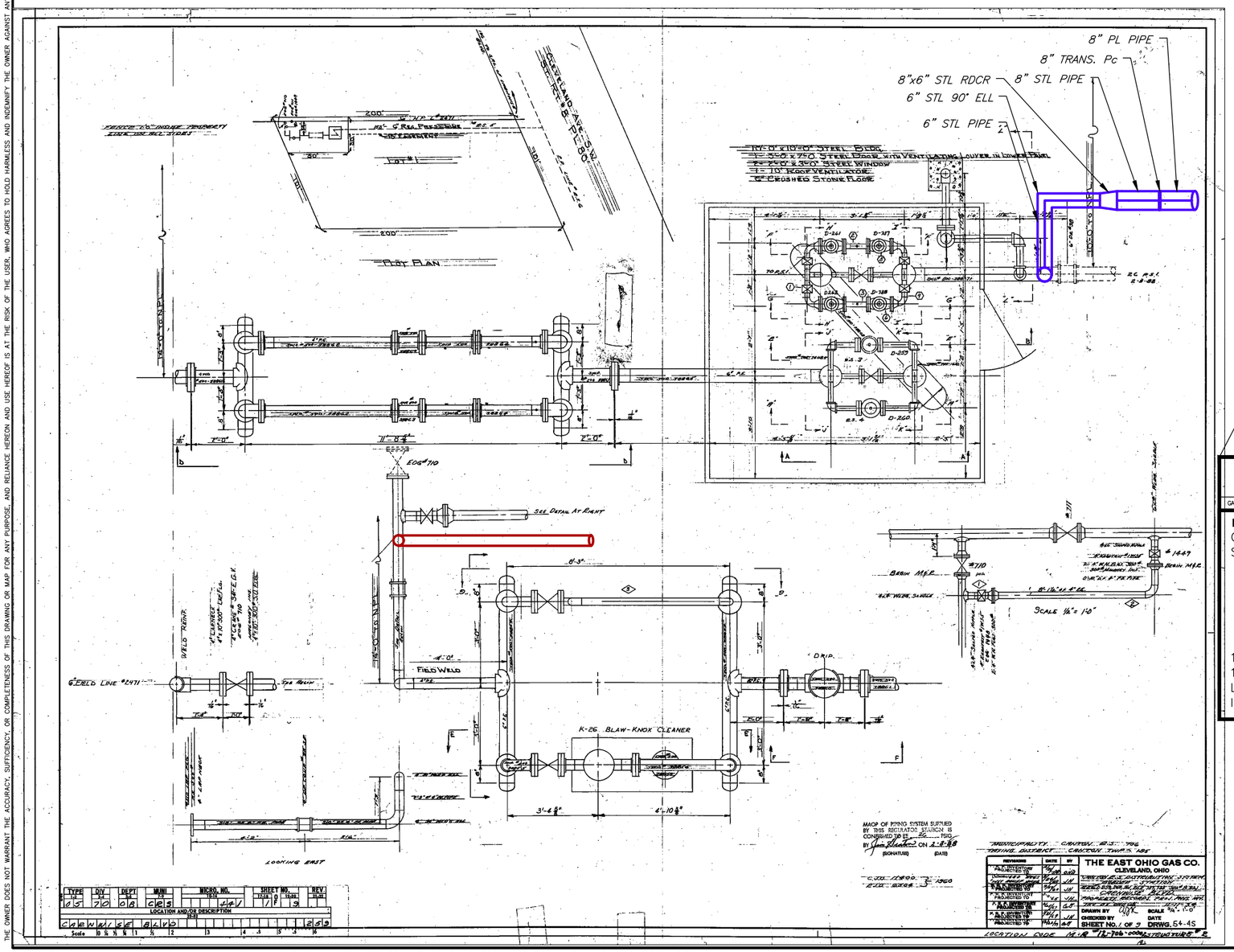
PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

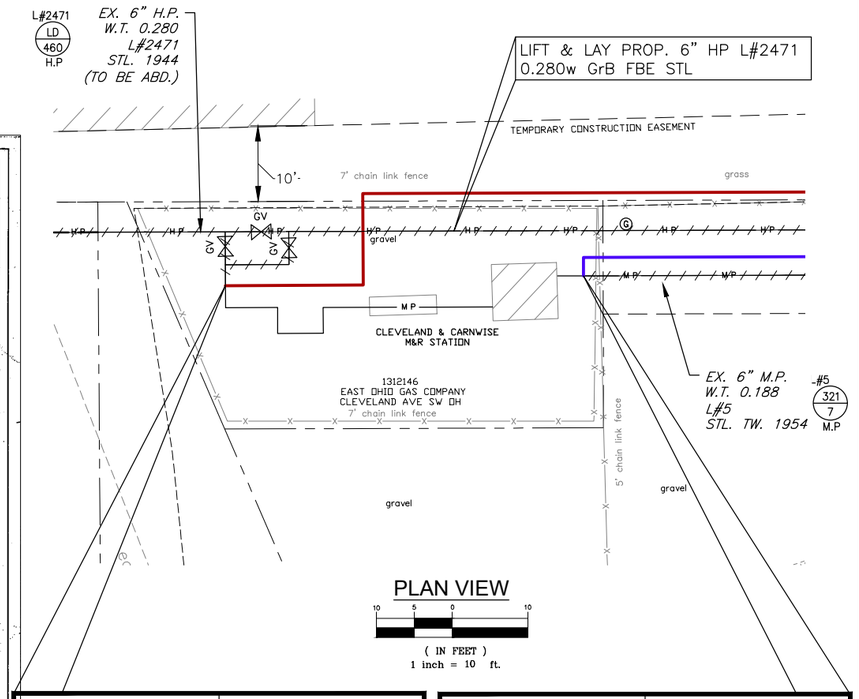
PLAN SHEET
STA. 2+50 TO STA. 4+00

DATE 10.11.2021
PROJECT ID#: P400146591

Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 8:59am Owner: lkaczmarek

SENSING LINE LOCATIONS WERE PREVIOUSLY FIELD VERIFIED ON 07/13/21 AND CRITICAL COMPONENTS ARE CORRECTLY REFLECTED ON DRAWINGS.





GAS FEED @ TIE-IN: SINGLE

GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

HP L# 2471 TIE-IN

CONTRACTOR TO INSTALL 4" ANSI 300 3-WAY SPHERICAL TEE & TIE COMPLETE W/
- (3) 4" 300 ANSI WN FLG.
- (1) 6"x4" RDCR 0.280w x0.237w Y52 STL.
- (1) 4" 300 ANSI INS KIT
- (1) 4" 300 ANSI BLIND FLG
- (2) 6" GrB STL 90° ELL
- (1) 4" WLD CAP

11' SNPL 3625 CLEVELAND AVE. SW
189' WWPL CLEVELAND AVE.
LD 460 PG. 3 STA 52+59 (APPROX.)
INSTALL TEST BOX & 17# ANODE

TIE-IN BOX #7

GAS FEED @ TIE-IN: SINGLE

GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

MP L# 5 TIE-IN

CONTRACTOR TO INSTALL:
- (1) 6" 150 ANSI SPHERICAL TEE
- ~2' OF 6" 0.280 GrB FBE STL
- (1) 6" GrB STL 90° ELL
- (1) 8"x6" RDCR 0.322w x0.280w GrB STL.
- (1) 8" 0.322w TRANSITIONAL PIECE GrB STL
- 5' OF 8" 0.322w GrB FBE STL

11' SNPL 3625 CLEVELAND AVE. SW
142' WWPL CLEVELAND AVE.
FB 321 PG. 7 FB STA 229.0 (APPROX.)
APPROX. DEPTH 3.0'
INSTALL TEST BOX & 17# ANODE

TIE-IN BOX #8

NORTH

DRAWING SCALE 0 10' 20'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave. City of Canton, Stark County

M&R STATION DETAIL

DATE:10.11.2021

PROJECT ID#: P400146591

18A / 27

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NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave. City of Canton, Stark County

PLAN SHEET

DATE:10.11.2021

PROJECT ID#: P400146591

19 / 27

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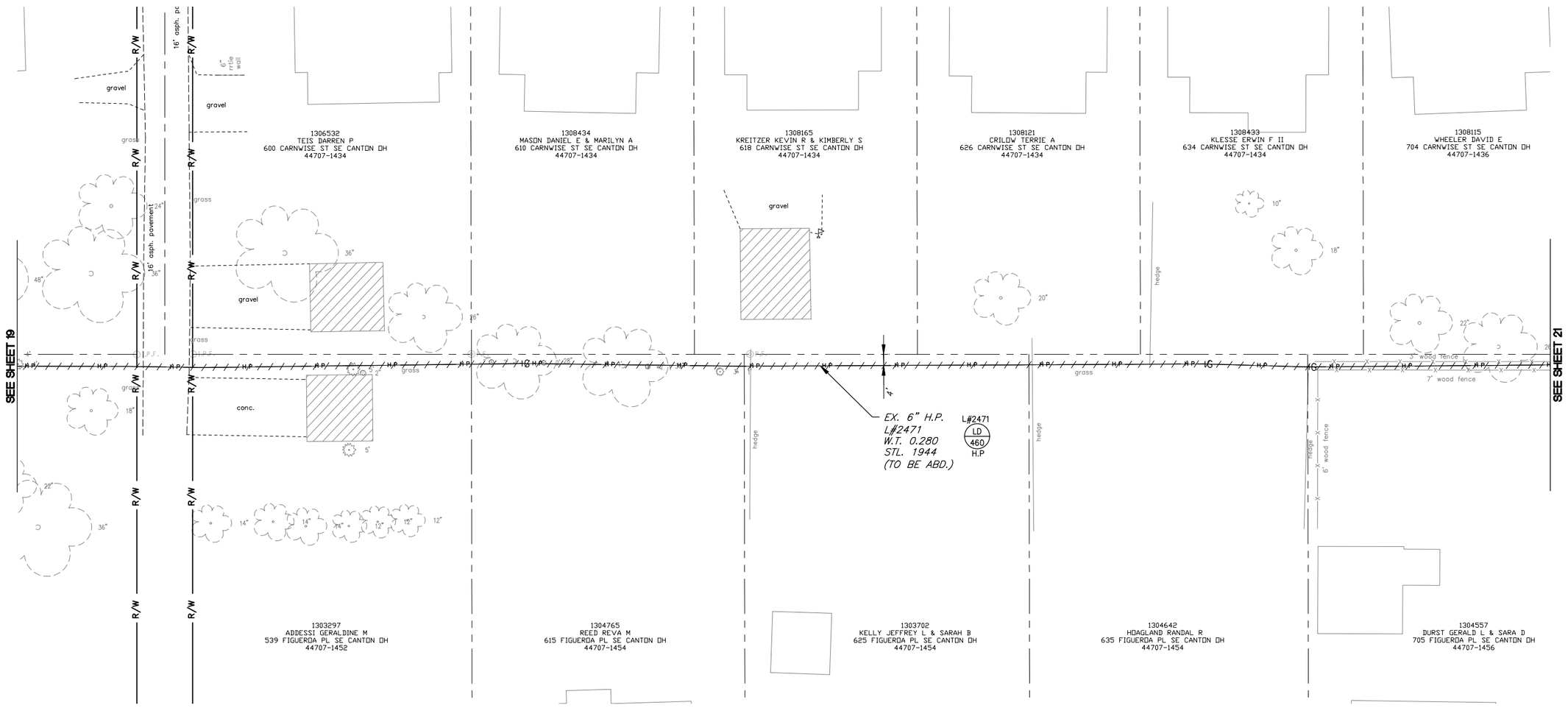

NORTH

DRAWING SCALE
0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET

DATE:10.11.2021

PROJECT ID#: **P400146591**

20
27

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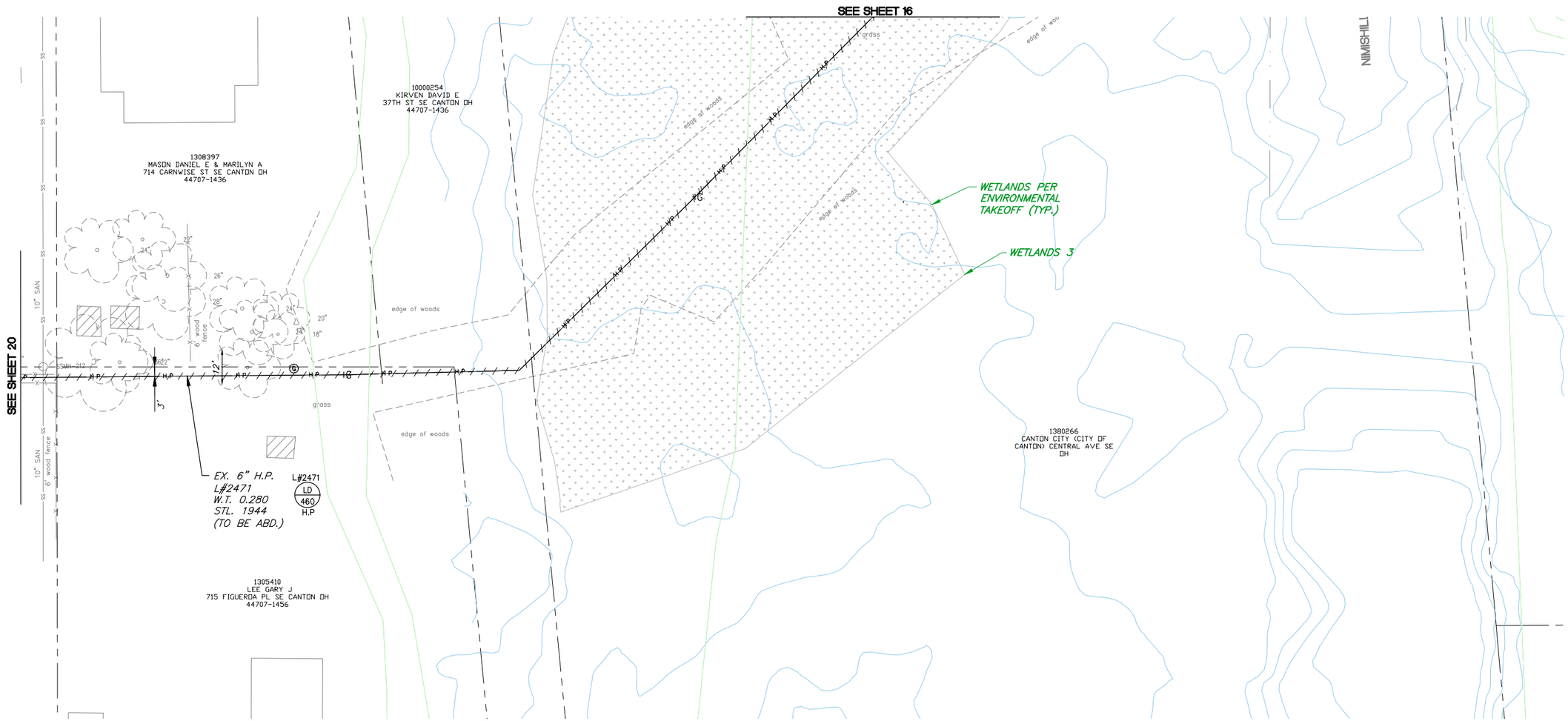
NOTE: WETLANDS AND STREAM MANDATORY OPEN CUT



NORTH

DRAWING SCALE
0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET

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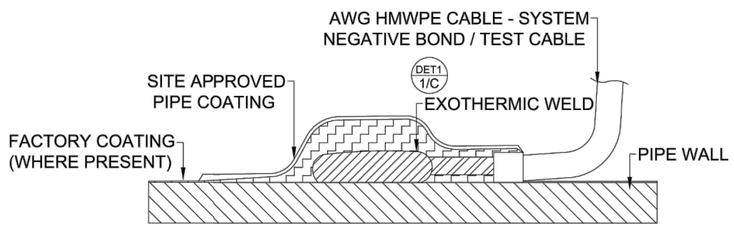
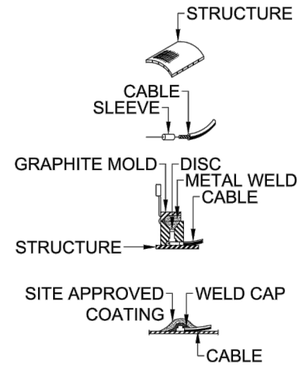


INSTALLATION OF SYSTEM NEGATIVE, TEST NEGATIVE AND CONTINUITY BOND

NOTES:

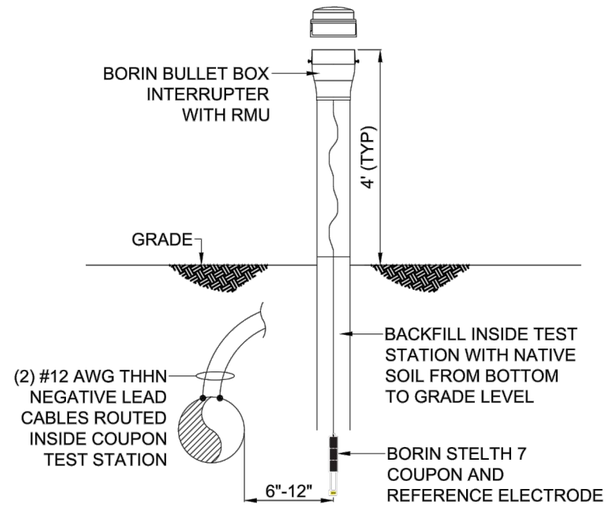
1. CUT 2" SQUARE OF COATING OFF PIPE, AND FILE PIPE TO WHITE METAL.
2. MARK STEEL WITH ANCHOR PATTERN.
3. MAKE WELD PER MANUFACTURER'S DIRECTIONS IN MOLD PACKAGE. (SEE EXOTHERMIC WELD AS NEEDED FOR INSTRUCTIONS)
4. STRIKE WELD WITH HAMMER TO REMOVE SCALE AND WIRE BRUSH.
5. PERFORM OHMMETER TEST AT EACH WELD TO CONFIRM CONTINUITY.
6. SPRAY WELD AREA WITH PRIMER AND APPLY SHIELD OR COAT WITH SITE APPROVED PIPE COATING.

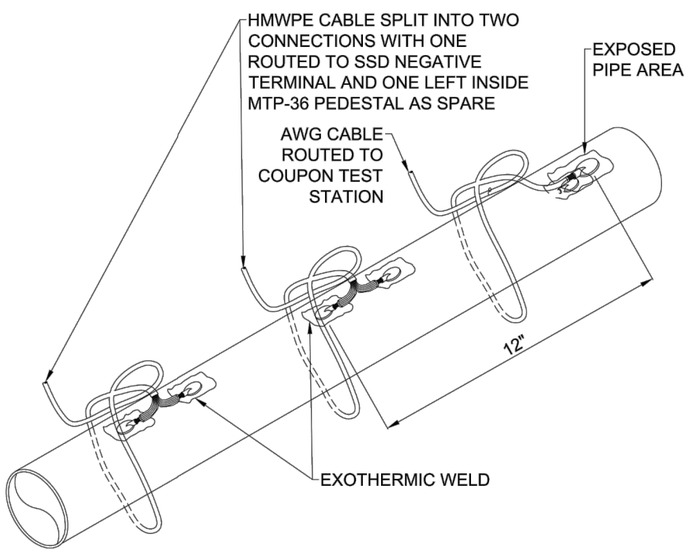
CADWELD



1. FILE STRUCTURE TO BARE METAL AND CLEAN SURFACE.
2. STRIP INSULATION FROM WIRE AND ATTACH SLEEVE.
3. HOLD MOLD FIRMLY WITH OPENING AWAY FROM OPERATOR. IGNITE WITH FLINT GUN.
4. REMOVE SLAG FROM CONNECTION.
5. COVER CONNECTION WITH SITE APPROVED COATING OVER ALL EXPOSED METAL. COVER WITH WELD CAP.

EXOTHERMIC WELD (STEP BY STEP)





EXOTHERMIC WELD OVERVIEW

VERTICAL THERMO-WELD MOLDS FOR AWG CONDUCTORS

CABLE SIZE	SURFACE	MOLD#	WELD METAL
#6	FLAT(12" & LARGER PIPE)	M-144	15CP
	3/4" TO 3 1/2" PIPE	M-152	15CP
	4" TO 10" PIPE	M-153	15CP
#4	FLAT (12" & LARGER PIPE)	M-146	25CP
	3/4" TO 1 1/2" PIPE	M-189	25CP
	2" TO 4" PIPE	M-190	25CP
	5" TO 10" PIPE	M-191	25CP
#2	FLAT (14" &LARGER PIPE)	M-148	32CP
	1" TO 1 1/2" PIPE	M-195	32CP
	2" TO 3" PIPE	M-196	32CP
	4" TO 6" PIPE	M-197	32CP
	8" TO TO 12" PIPE	M-198	32CP

HORIZONTAL THERMO-WELD MOLDS FOR AWG CONDUCTORS

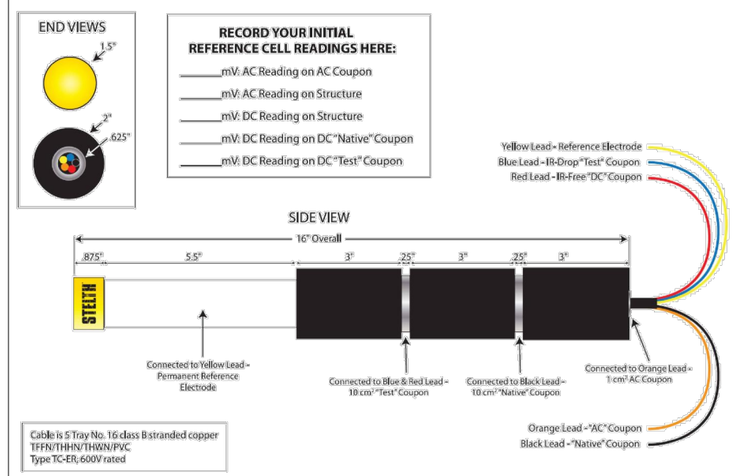
CABLE SIZE	SURFACE	MOLD#	WELD METAL
#6	FLAT(4" & LARGER PIPE)	M-102	15CP
	3/4" TO 3 1/2" PIPE	M-103	15CP
#4	FLAT (6" & LARGER PIPE)	M-106	15CP
	3/4" TO 1 1/2" PIPE	M-107	15CP
	4" TO 5" PIPE	M-108	15CP
#2	FLAT (10" &LARGER PIPE)	M-112	32CP
	1" TO 3 1/2" PIPE	M-113	32CP
	4" TO 8" PIPE	M-114	32CP
	10" TO 14" PIPE	M-115	32CP

SLEEVE TYPE

FOR USE ON CABLE SIZE	CATALOG #	USE IN MOLD SIZE
#12, #14	38-0200-00	#6 STR & SOI
#9, #10	38-0208-00	#4 SOI
#7, #8, #10	38-0201-00	#4
#6	38-0202-00	#2
#4, #5	38-0207-00	#2
#4	38-0204-00	#1
#2	38-0203-00	1/0
#1	38-0209-00	2/0
1/0 , #1	38-0205-00	3/0 & 4/0 SOI
2/0 , 1/0	38-0240-00	4/0

CATALOG #	REVISION #	DATE:	REVISED BY:	EXOTHERMIC WELD FOR AC MITIGATION	
1/C	A	02/19/20	MRP	©2021 MATCOR, INC.	SCALE: NTS

MATCOR BY BRAND SAFWAY



STELTH® 7 IR FREE REFERENCE ELECTRODE
MODEL SRE-024-CIY-AC20

CATALOG #	REVISION #	DATE:	REVISED BY:	BORIN STELTH® 7 COUPON AND REFERENCE ELECTRODE AC COUPON TEST STATION WITH BULLHORN RM4210 RMU	
6/L	B	04/07/20	MRP	©2021 MATCOR, INC.	SCALE: NTS

MATCOR BY BRAND SAFWAY

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NOTES:

NO.	DESCRIPTION	DATE	BY	CHK.	APPR.
B	ISSUED FOR COMMENTS	08/11/21	MRP	JH	KG
A	ISSUED FOR COMMENTS	04/20/21	MRP	JH	KG

REVISIONS

MATCOR BY BRAND SAFWAY

Dominion Energy®

DOMINION ENERGY PIR-2647 AC MITIGATION MODELING
CANTON, OHIO

DRAWN BY:	MRP	MATCOR INC. 101 LIBERTY LANE CHALFONT, PA 18914	PHONE: 215-348-2974 FAX: 215-348-2699
APPROVED BY:	KG		
CREATION DATE:	04/20/21	DWG NO.	P-2210195-60073-PL-AC-DET01
SCALE:	NTS		B

SIZE : (11x17)

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REV #	DESCRIPTION	DATE	BY

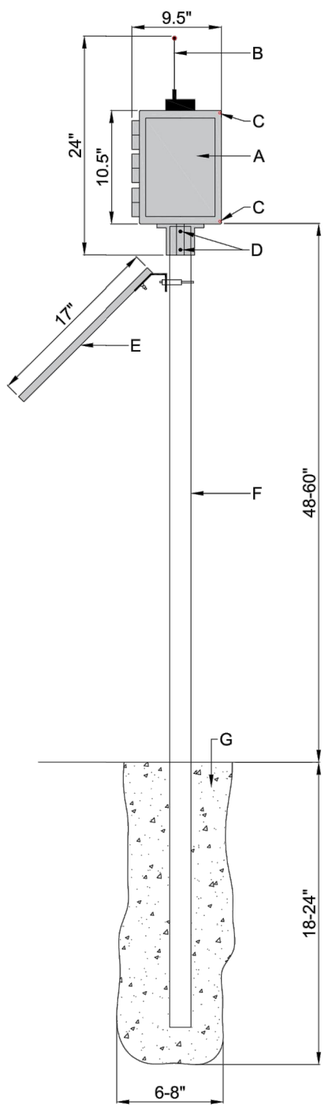
Dominion Energy®

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

AC MITIGATION

DATE:10.11.2021

PROJECT ID#: P400146591



MATERIALS REQUIRED :

QUANTITIES SHOWN ARE FOR THE INSTALLATION OF ONE (1) MONITOR AND ARE NOT INCLUDED IN THE KIT - PURCHASE LOCALLY BEFORE INSTALLATION BEGINS.

- 2"-NOMINAL GALVANIZED STEEL POLE, 8-FOOT LENGTH (NOTE THAT NOMINAL 2" PIPE WILL HAVE AN OUTER DIAMETER OF 2-⅜"
- 2 50-POUND BAGS OF FAST-SETTING CONCRETE (THE "RED BAG")
- WATER (FOR CONCRETE), APPROX. 2 GALLONS (1 GALLON PER 50 LB. BAG)
- ANY REQUIRED SAFETY MARKING OR FENCING MATERIAL, DEPENDING ON THE INSTALLATION DETAILS

PACT SYSTEM OVERVIEW::

A: EMF MONITOR W/INTEGRATED LTE MODEM
B: LTE WHIP ANTENNA
C: TORX T25 SECURITY ENCLOSURE SCREWS
D: 3/16" ALLEN KEY POLE-MOUNT SET SCREWS
E: 10-WATT SOLAR PANEL ON 45-DEG BRACKET
F: 2-3/8" O.D. GALVANIZED POLE (2" NOMINAL PIPE SIZE)
G: CONCRETE POST FOUNDATION, 60 LBS. MINIMUM

REVISION #	DATE:	REVISED BY:	PACT SYSTEM	
A	04/20/20	MRP	©2021 MATCOR, INC.	SCALE: NTS

MATCOR BY BRAND SAFWAY

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NOTES:

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A	ISSUED FOR COMMENTS	04/20/21	MRP	JH	KG
NO.	DESCRIPTION	DATE	BY	CHK.	APPR.

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Dominion Energy®

DOMINION ENERGY PIR-2647 AC MITIGATION MODELING
CANTON, OHIO

DRAWN BY:	MRP	MATCOR INC. 101 LIBERTY LANE CHALFONT, PA 18914	PHONE: 215-348-2974 FAX: 215-348-2699
APPROVED BY:	KG		
CREATION DATE:	04/20/21	DWG NO.	P-2210195-60073-PL-AC-DET02
SCALE:	NTS		

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REV #	DESCRIPTION	DATE	BY

Dominion Energy®

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

AC MITIGATION

DATE 10.11.2021

PROJECT ID#: P400146591

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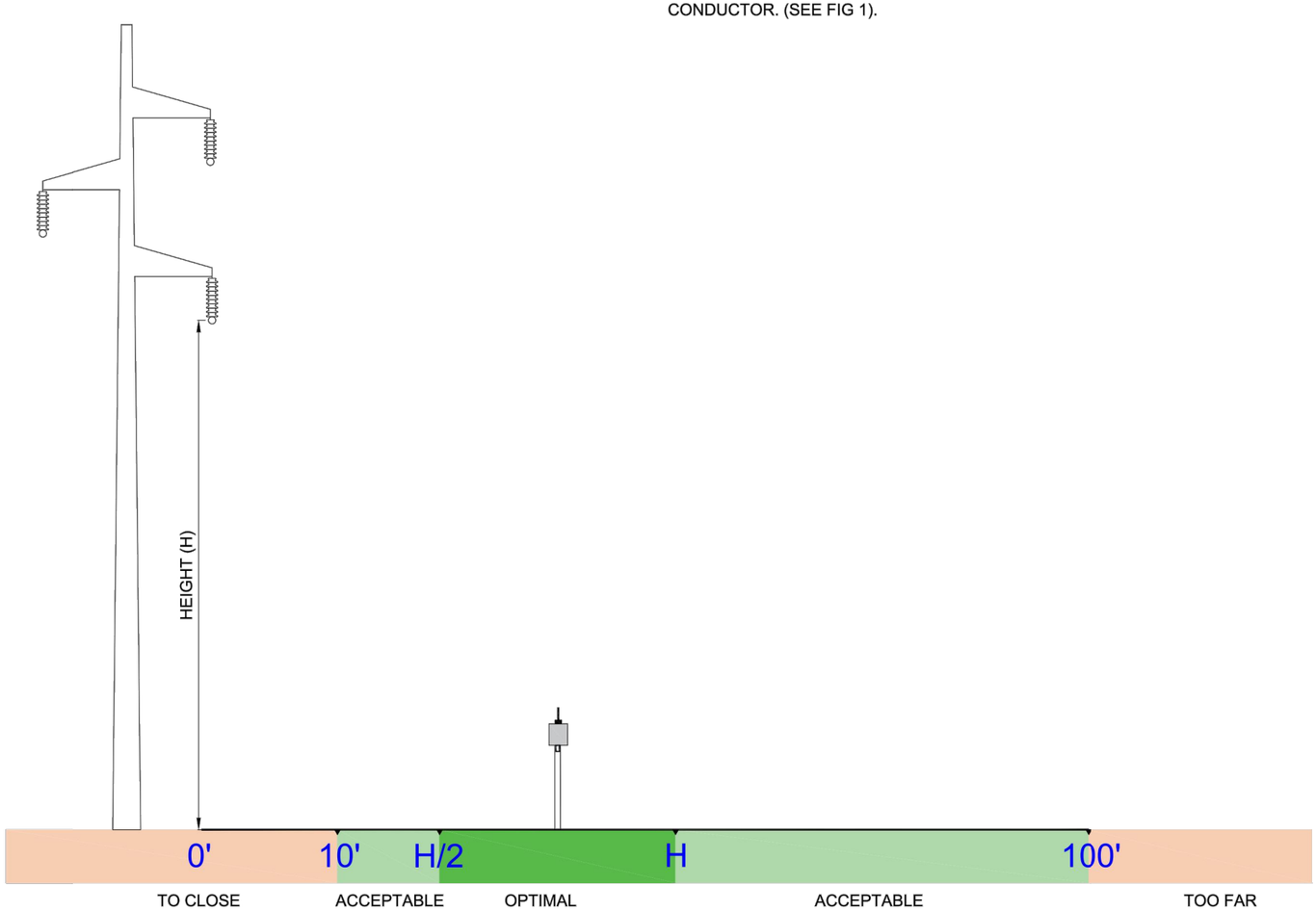
PACT DEVICE INSTALLATION PROCESS :
MONITOR PLACEMENT ("SITING")

THE PACT SYSTEM SHOULD BE LOCATED WITH AN UNOBSTRUCTED VIEW OF THE POWER LINE TO BE MONITORED, AT A HORIZONTAL DISTANCE OF 10-100 FEET FROM THE OUTERMOST CONDUCTOR. AN IDEAL HORIZONTAL DISTANCE IS BETWEEN 0.5-1.0 TIMES THE HEIGHT OF THE LOWEST CONDUCTOR. E.G., A TARGET CIRCUIT HAS CONDUCTORS THAT ARE 40 FEET HIGH - THE MONITOR SHOULD BE PLACED 20-40 FEET LATERALLY OUT FROM THE OUTERMOST CONDUCTOR. (SEE FIG 1).



REVISION #	DATE:	REVISED BY:	OPTIMAL PLACEMENT - FIGURE 1	
A	04/20/20	MRP	©2021 MATCOR, INC.	SCALE: NTS

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NOTES:

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Dominion Energy

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CANTON, OHIO

DRAWN BY:	MRP	MATCOR INC. 101 LIBERTY LANE CHALFONT, PA 18914	PHONE: 215-348-2974 FAX: 215-348-2699
APPROVED BY:	KG		
CREATION DATE:	04/20/21	DWG NO.	P-2210195-60073-PL-AC-DET03
SCALE:	NTS		B

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SIZE : (11x17)

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City of Canton, Stark County

AC MITIGATION

DATE 10.11.2021

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24
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SCALE:	NTS		

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DATE 10.11.2021

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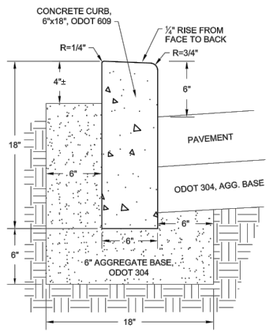
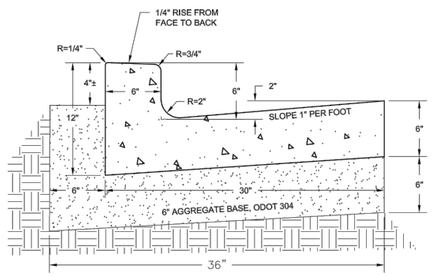
CANTON TYPE 1 STANDARD CONCRETE CURB



CANTON TYPE 2 STANDARD CONCRETE COMBINED CONCRETE & GUTTER



NOTES:

1. CURB CONSTRUCTION MUST TO CONFORM TO ODOT 609 AND THE CURRENT CITY OF CANTON SPECIFICATIONS FOR THE CONSTRUCTION, REPAIR, AND REPLACEMENT OF SIDEWALKS, CURBS, AND DRIVEWAYS.
2. CONCRETE MATERIAL FOR CURB AND WALK MUST BE ODOT 499 CLASS 'C' CONCRETE WITH LIMESTONE AGGREGATE.
3. NO FOUNDRY SAND OR SLAG PERMITTED IN AGGREGATE BASE, ODOT 304.
4. CURB CONTRACTION JOINT MUST BE SPACED 10 FEET TYPICALLY; WALK CONTRACTION JOINTS MUST BE SPACED 5 FEET TYPICALLY, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. CURB EXPANSION JOINTS MUST BE INSTALLED AT CURB INLET CATCH BASIN AND AT ANY OTHER RIGID STRUCTURES. CURB EXPANSION AND CONSTRUCTION JOINTS MUST BE DOWLED WITH TWO (2) #5 THRU #9 SMOOTH BARS, 18" LONG, EXTENDING 9" INTO EACH CURB.
5. CONCRETE WALK REPLACED OR INSTALLED ADJACENT TO EXISTING CONCRETE CURB MUST BE DOWELED TO THE EXISTING CURB, UNLESS DETERMINED OTHERWISE BY THE CITY ENGINEER (SEE CITY STD. DWG. 29).
6. ODOT REFERENCES ARE FROM THE CURRENT ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. ANY DISCREPANCIES SHALL BE SUBJECT TO THE CITY ENGINEER'S DISCRETION.
7. **ODOT CURB TYPE 6 AND TYPE 2 (ODOT STD CONST. DWG. BP-5.1) ARE ACCEPTABLE OPTIONS RESPECTIVELY TO CITY STANDARD CURB TYPE 1 AND 2 FOR NEW ROADWAY OR CITY PROJECTS, AS APPROVED BY THE CITY ENGINEER. WHEN A CANTON CURB TYPE ABUTS AN ODOT CURB TYPE, THE CONTACTOR MUST TRANSITION THE CURB FACE AND TOP TO MATCH THE EXISTING CURB FACE AND TOP WITHIN A 4' LENGTH, BUT NOT LESS THAN 1' LENGTH.**

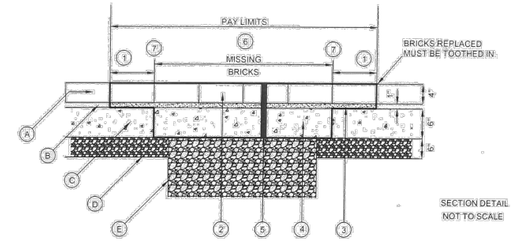
OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

APPROVED DATE: MAR 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_30.dwg

REVISIONS		
DESCRIPTION	DATE	BY

STANDARD DRAWING NO. 30
CONCRETE CURB AND COMBINED CURB & GUTTER
SHEET 1 OF 1

EXISTING BRICK SURFACE PAVEMENT REPAIR



(A) EXISTING BRICK PAVERS
(B) EXISTING SAND BEDDING LAYER
(C) EXISTING CONCRETE BASE - DEPTH AND TYPE VARIES
(D) EXISTING AGGREGATE BASE
(E) EXISTING RANDOM MATERIAL, SUB-GRADE OR FOR NEW TRENCH COMPACTED TYPE I BACKFILL TRENCH REPAIR PER CITY STD. DWG. 19 - ODOT 304 OR 613.

ODOT REFERENCES ARE FROM THE CURRENT ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. ANY DISCREPANCIES SHALL BE SUBJECT TO THE CITY ENGINEER'S DISCRETION.

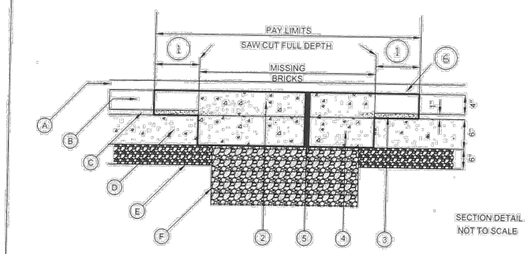
NO FOUNDRY SAND OR SLAG PERMITTED IN AGGREGATE BASE, ODOT ITEM 304, OR LOW STRENGTH MORTAR BACKFILL, ODOT ITEM 613.

PAVEMENT REPLACEMENT SECTION PAYMENT IS FOR CITY PROJ. REPAIR AREAS, PAYMENT INCLUDED IN COST OF PIPE FOR NEW TRENCH.

(1) VARIES, 0" TO 12" MAX - EX. BRICK TO BE REMOVED AND RESET AS NEEDED, TO ACCESS EX. CONC. BASE. DO NOT SAW CUT BRICK.
(2) REPLACE/RESET 4" X 8" BRICK PAVERS, SEE NOTE SHT. 2/2 FOR CITY PROVIDED BRICK.
(3) 1" CONCRETE SAND/CEMENT (3:1) BED 703.02 ASTM C-33
(4) 6" CONCRETE BASE, CLASS "C", ODOT ITEM 305
(5) BRICK PAVEMENT REPLACEMENT SECTION PAYMENT ONLY FOR REPAIR AREAS, PAYMENT INCLUDED IN COST OF PIPE FOR NEW TRENCH.
(6) BROOM SURFACE W/ TECHNI-SEAL POLYMERIC SAND OR EQUAL TO FILL JOINTS. PLATE TAMP W/ MATT PROTECTION & DAMPEN PER MFG. SPEC.
(7) FOR BRICK PAVEMENT REPAIR SAW CUT A CLEAN EDGE FULL DEPTH TO REMOVE FAILED CONC. BASE AND/OR FAILED AGG. BASE AS DIRECTED.

FOR NEW TRENCH PER STD. DWG 19, SAW CUT FULL DEPTH TO THE LIMITS SHOWN.

EXISTING ASPHALT OVER BRICK PAVEMENT SURFACE REPAIR



(A) EXISTING ASPHALT SURFACE
(B) EXISTING BRICK PAVERS
(C) EXISTING SAND BEDDING LAYER
(D) EXISTING CONCRETE BASE - DEPTH AND TYPE VARIES.
(E) EX. AGGREGATE BASE
(F) EX. RANDOM MATL. SUB-GRADE OR FOR NEW TRENCH COMPACTED TYPE I BACKFILL TRENCH REPAIR PER CITY STD. DWG 19 - ODOT 304(M) OR 613(M) LSM LOW STRENGTH MORTAR

PAVEMENT REPLACEMENT SECTION PAYMENT IS FOR CITY PROJ. REPAIR AREAS, PAYMENT INCLUDED IN COST OF PIPE FOR NEW TRENCH.

(1) VARIES, 0" TO 12" MAX - EX. BRICK TO BE REMOVED AND RESET AS NEEDED, TO TOOTH IN & ACCESS EX. CONC. BASE. SAW CUT BRICK IF NEEDED.
(2) CONCRETE BASE, CLASS "C", ODOT ITEM 305 TO TOP OF BRICK
(3) REMOVE EXISTING SAND BED BETWEEN BRICK
(4) EXCAVATE FOR MINIMUM 6" CONCRETE BASE
(5) CONCRETE BASE, CLASS "C", ODOT ITEM 305, REPLACEMENT SECTION
(6) ASPHALT REPLACEMENT (IN KIND DEPTH) MAXIMUM 2" SURFACE COURSE, ODOT 448 TYPE I, OVER INTERMEDIATE COURSE, ODOT 448 TYPE I, AS NEEDED FOR IN KIND ASPHALT SECTION (ASPHALT SURFACE MUST BE "IN KIND" - OTHER THAN 448 MAY BE REQUIRED) ASPHALT TO EXTEND TO A NEAT SAW CUT LINE. SEAL EDGES WITH ASTM D-3405 HOT OR ASTM C-90 COLD ASPHALT CEMENT.

ALL RESTORATION/REPLACEMENT WORK TO BE AS DIRECTED AND APPROVED BY THE ENGINEER

OFFICE OF THE CITY ENGINEER
CANTON, OHIO
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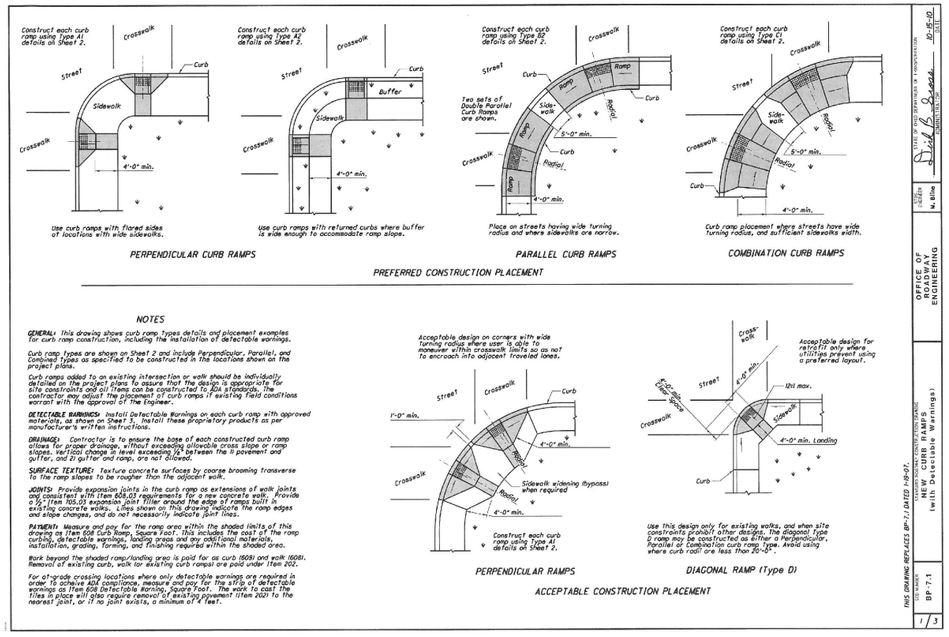
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

APPROVED DATE: JAN 2012
APPROVED BY: CDB, RMB, SLH
DRAWING FILE NAME: ce_31.dwg

REVISIONS		
DESCRIPTION	DATE	BY
CONSISTENCY REVIEW	2/1/13	JTD

STANDARD DRAWING NO. 31
PAVEMENT REPAIR
SHEET 1 OF 2



THE CITY'S STANDARD WHEEL CHAIR RAMP IS THE ODOT BP-7.1 WITH THE MODIFICATIONS NOTED. *SEE SHEET 4 OF 4 FOR CITY'S APPROVED TRUNCATED DOME PRODUCTS.*

OFFICE OF THE CITY ENGINEER
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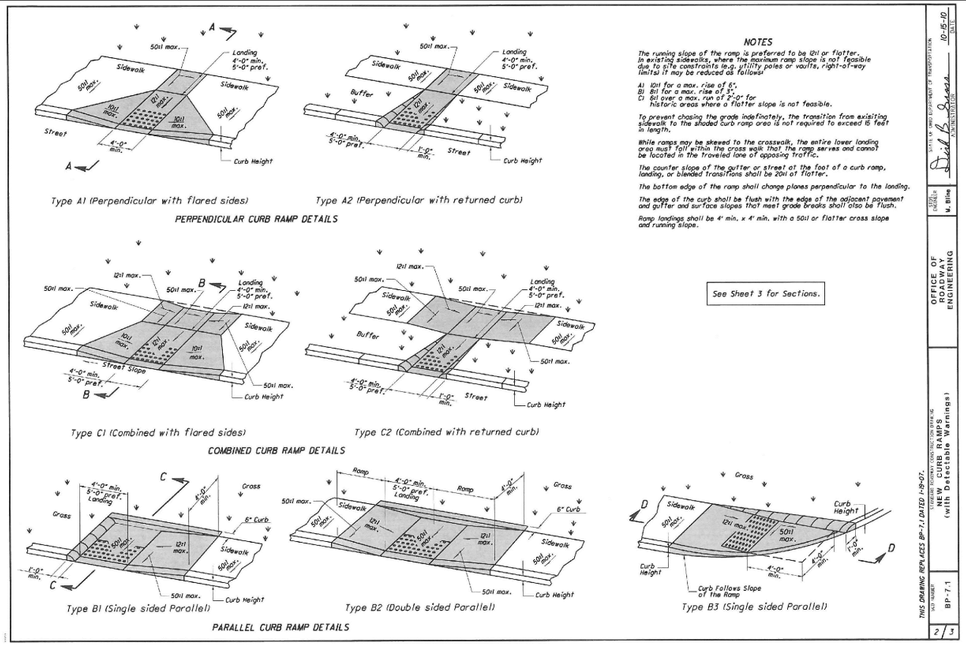
APPROVED DATE: MAY 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_33.dwg

REVISIONS		
DESCRIPTION	DATE	BY
REVISIONS	6/29/12	RMB

STANDARD DRAWING NO. 33
WHEEL CHAIR RAMP
SHEET 1 OF 4



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APPROVED DATE: MAY 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_33.dwg

REVISIONS		
DESCRIPTION	DATE	BY
REVISIONS	6/29/12	RMB

STANDARD DRAWING NO. 33
WHEEL CHAIR RAMP
SHEET 2 OF 4

OHIO UTILITIES PROTECTION SERVICE
2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

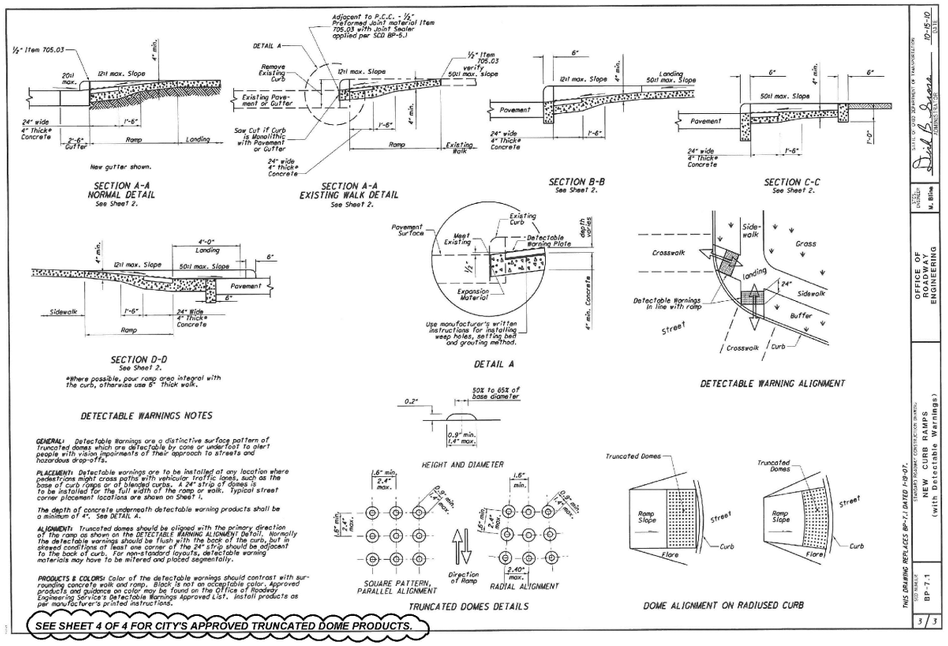
DETAILS

DATE 10.11.2021
PROJECT ID#: P400146591

26
27

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS 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.

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_11896\PIR-2647 7-21-21_1_30648_2945.dwg Date: Oct 11, 2021: 9:01am Owner: lkaczmarek



THE CITY'S STANDARD WHEEL CHAIR RAMP IS THE ODOT BP-7.1 WITH THE MODIFICATIONS NOTED. SEE SHEET 4 OF 4 FOR CITY'S APPROVED TRUNCATED DOME PRODUCTS.

OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

APPROVED DATE: MAY 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_33.dwg

REVISIONS		
DESCRIPTION	DATE	BY
REVISIONS	6/29/12	RMB

STANDARD DRAWING NO. 33

WHEEL CHAIR RAMP

SHEET 3 OF 4

DETECTABLE WARNING DOMES

BRICK PAVERS

TRUNCATED DOME BRICK IS REQUIRED FOR ALL STREETSCAPE AREAS **IN THE CENTRAL BUSINESS DIS**TRICT AS DETERMINED BY CITY ENGINEER'S OFFICE.

Brick Pavers will meet ASTM C 902 Class SX, Type 1, or C 936, or C 1272 Type R. (SEE OPTION 3 and 4 FOR NON-BRICK)

Acceptable manufacturers and products are:

1) Whitacre-Greer Fireproofing Company,
1400 S. Mahoning Ave, Alliance, OH, 44601, (800) WG PAVER
ADA Paver, 4"x8"x2-1/4", Clear Red (Rustic) #30.

2) The Belden Brick Company
PO Box 20910, Canton, OH 44701 330-456-0031
City Line ADA Paver, Regimental Red 2-1/4"x4"x8" or 2-1/4"x8"x8"

OR APPROVED EQUAL.

Pavers will be laid on top of a 4" unreinforced concrete base. Setting bed to be mortared in accordance with manufacturer's instruction, or with a maximum 1/2" thick bed of latex modified cement mortar. SWEEP POLYMERIC SAND (TECHNI SEAL OR APPROVED EQUAL) INTO JOINTS. Joint width must not exceed 1/8" or be less than 1/16" wide.

Pavers shall be laid such that joints are level with adjoining joints so as to provide a smooth transition from brick to brick and brick to concrete surface.

The surface of any two adjacent units should not differ by more than 1/8" [3]in height. Bricks shall be placed in a running bond pattern. Face of all brick shall be clean of cement and protected so as to avoid chipping during constructionn.

PANELS, WET SET

REPLACEABLE TRUNCATED DOME PANELS SET IN WET CONCRETE MUST BE USED IN RAMPS **OUTSIDE THE CENTRAL BUSINESS DISTRICT**.

Acceptable manufacturers and prducts are:

1) Armorcast Products Company
North Hollywood, CA 818-982-3800
Armorcast Detectable Warning Panels (Wet Set Panels)
24"x24", 24"x36", 24"x48"; also 6'-15' Radius
Polymer Concrete, Red Brick color

2) ADA Solutions, Inc.
N. Billerica, MA 01862
Cast-in-Place Replaceable Tactile (Wet Set)
2'x3', 2'x4', 2'x5', and 2' w/radius
Glass and Carbon Composite, Brick Red color

OR APPROVED EQUAL

ADHESIVE MATS

REPLACEABLE TRUNCATED DOME MATS THAT SET ON CONCRETE RAMPS BY ADHESIVE WILL ONLY BE CONSIDERED IN THE EVENT AN EXISTING WHEEL CHAIR RAMP NEEDS DETECTABLE WARNING DOMES INSTALLED AND THE RAMP REQUIRES NO OTHER MODIFICATIONS. INSTALLATION IS SUBJECT TO THE CITY ENGINEER'S APPROVAL.

Acceptable manufacturers and prducts are:

1) Submit product specification, color and sample for review/approval by the City Engineer

OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

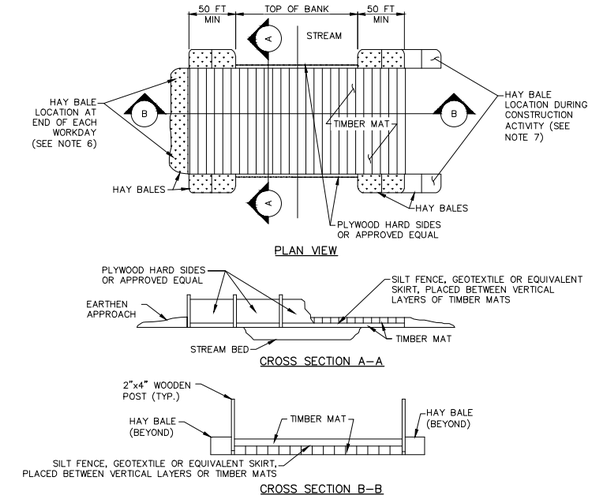
APPROVED DATE: MAY 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_33.dwg

REVISIONS		
DESCRIPTION	DATE	BY
REVISIONS	6/29/12	RMB

STANDARD DRAWING NO. 33

WHEEL CHAIR RAMP

SHEET 4 OF 4



NOTES:

1. THIS TYPE OF BRIDGE IS GENERALLY USED FOR SMALL STREAM CROSSINGS LESS THAN 25 FEET IN WIDTH AND A PROPER STREAM BANK CONFIGURATION.
2. EXTEND TIMBER MAT 50 FEET, FROM TOP OF BANK, ON BOTH SIDES OF STREAM CROSSING IN ORDER TO MINIMIZE DISTURBANCE OF STREAM BANKS AND RIPARIAN AREAS.
3. BRIDGE WILL BE TEMPORARILY REMOVED IF HIGH WATER RENDERS IT UNSAFE FOR CROSSING.
4. BRIDGE TO REMAIN IN PLACE UNTIL COMPLETION OF FINAL RESTORATION.
5. A SKIRT FORMED OF SILT FENCE, GEOTEXTILE FABRIC, OR EQUIVALENT SHALL BE PLACED ON THE SIDES AND BOTTOM OF THE BRIDGE TO TRAP SEDIMENT AS NECESSARY.
6. INDIVIDUAL MATS SHALL BE ANCHORED AND BUTTED TIGHTLY TO MINIMIZE THE INTRODUCTION OF SEDIMENT TO THE WATERBODY.
7. HAY BALES WILL BE PLACED AT THE EDGE OF THE EQUIPMENT BRIDGE AT THE END OF EACH WORK DAY TO PREVENT EROSION, BUT WILL BE REMOVED DURING CONSTRUCTION ACTIVITY.
8. TEMPORARY STREAM CROSSING SHALL BE INSPECTED ON A DAILY BASIS.
9. DAMAGED CROSSING SHALL BE REPAIRED WITHIN 24 HOURS OF THE INSPECTION, AND BEFORE ANY SUBSEQUENT USE.
10. SEDIMENT DEPOSITS ON THE CROSSING OR ITS APPROACHES SHALL BE REMOVED WITHIN 24 HOURS OF INSPECTION.
11. ANCHOR TIMBER MAT TO A TREE, OR OTHER PERMANENT OBJECT WITH SUFFICIENT STRENGTH, USING STEEL CHAIN OR CABLE.

TIMBER MAT BRIDGE EQUIPMENT CROSSING OVER STREAM

N.T.S.

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2 WORKING DATS
BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

DETAILS

DATE 10.11.2021

PROJECT ID#: P400146591

27 / 27

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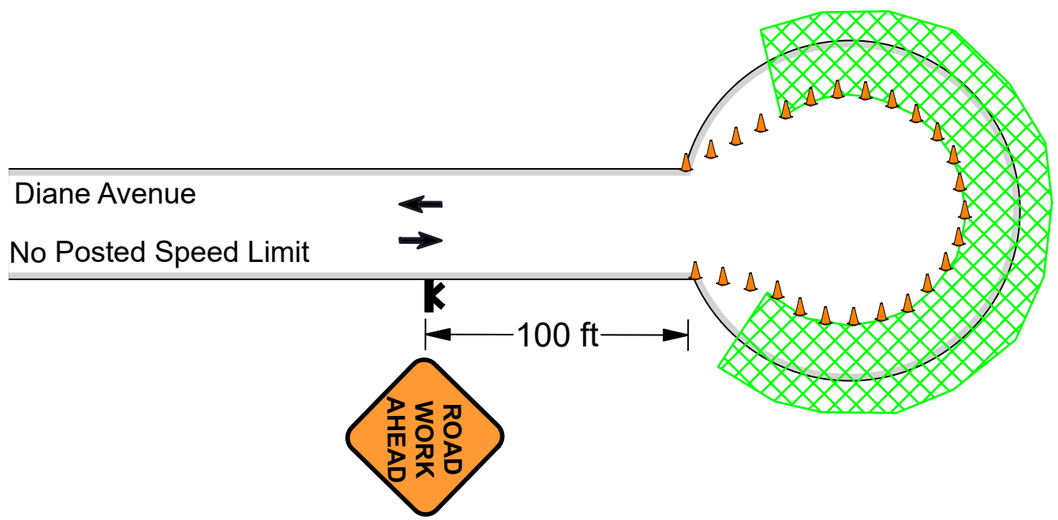
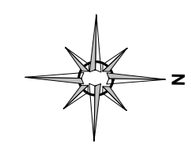




Legend

- Cone
- Portable Sign Stand
- Work Area

Notes :
- Sign spacing may be adjusted to fit field conditions.

Date: 09/26/2017 **Author:** P. Pranasya **Project:** DEO - PIR-2647 - 37th & Cleveland Avenue - Canton, OH
Customer: Dominion **P#:** 400146591 **Reviewer:** A. Bhushan
Revision: 11/16/2021

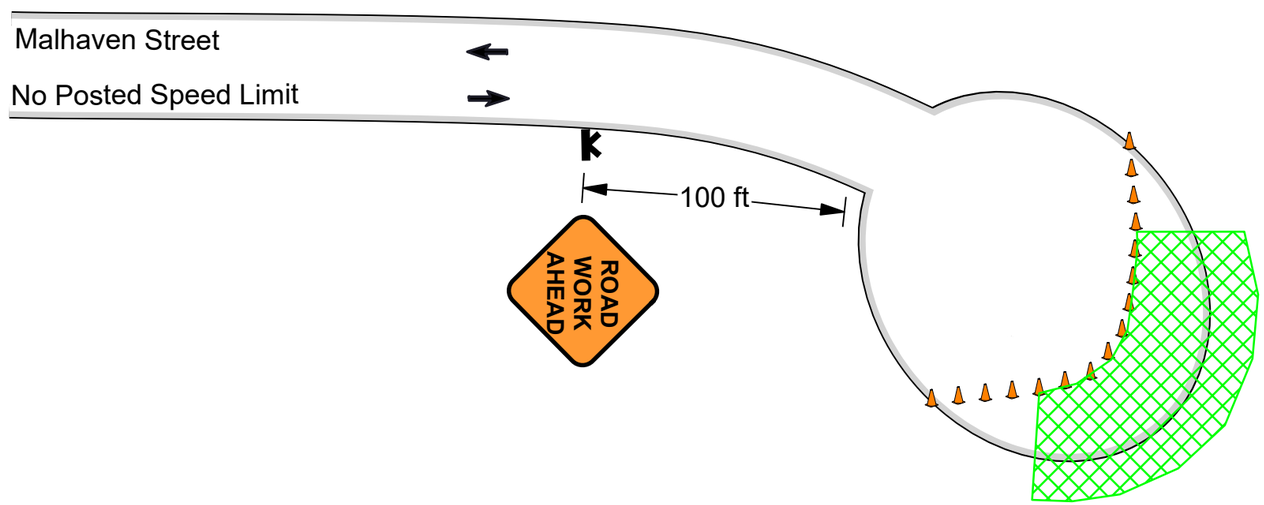
Comments:

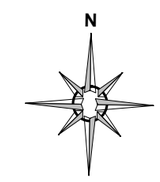
Type of Road: Urban Residential
Traffic Volume: Light to Moderate

All signs & devices shall be placed in accordance with the latest provisions of Ohio Manual for Uniform Traffic Control Devices (OMUTCD) with respect to any applicable provisions from the City of Canton.

Access to residential and commercial driveways to be maintained at all times.
Parking ban shall be coordinated with the Canton Police Department.

PLANS ARE NOT TO SCALE





Legend

- Portable Sign Stand
- Work Area
- Cone

Notes :
- Sign spacing may be adjusted to fit field conditions.

Date: 09/26/2017 **Author:** P. Pranasya **Project:** DEO - PIR-2647 - 37th & Cleveland Avenue - Canton, OH
Customer: Dominion **P#:** 400146591 **Reviewer:** A. Bhushan
Revision: 11/16/2021

Comments:

Type of Road: Urban Residential
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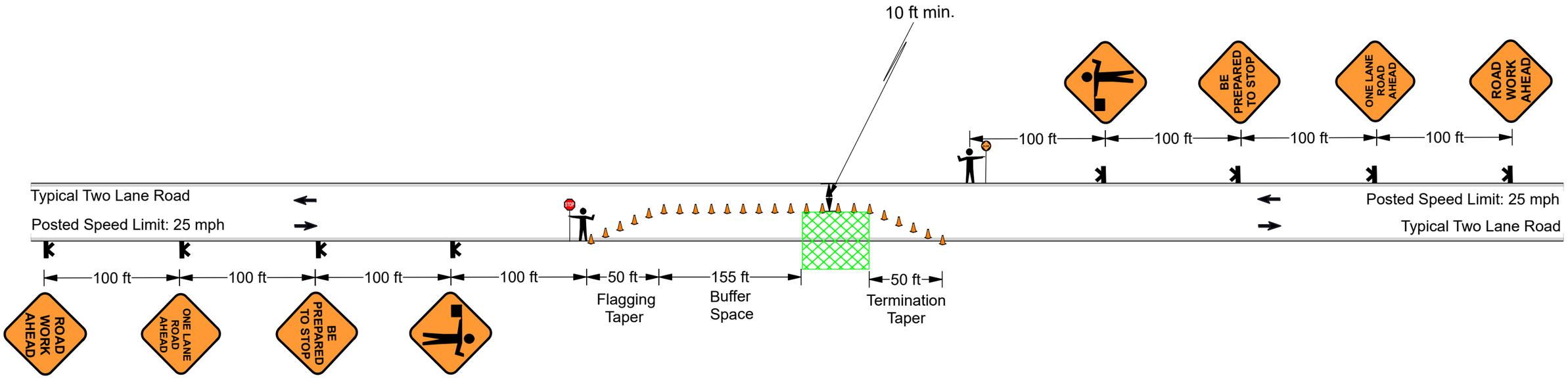
PLANS ARE NOT TO SCALE



Legend

- Cone
- Portable Sign Stand
- Work Area

Notes :
- Plan is typical for:
- Maplewood Avenue
- Forestdale Avenue
- Highview Avenue
- Plan is applicable to the opposing side of the road.
- Buffer space may be eliminated or modified to fit field conditions.
- Sign spacing may be adjusted to fit field conditions.
- "Road Work Ahead" Signs shall be placed on all cross streets intersecting within the advance signing. The sign shall be placed a minimum of 100 feet in advance of the intersection.

Date: 09/26/2017 **Author:** P. Pranasya **Project:** DEO - PIR-2647 - 37th & Cleveland Avenue - Canton, OH
Customer: Dominion **P#:** 400146591 **Reviewer:** A. Bhushan
Revision: 11/16/2021

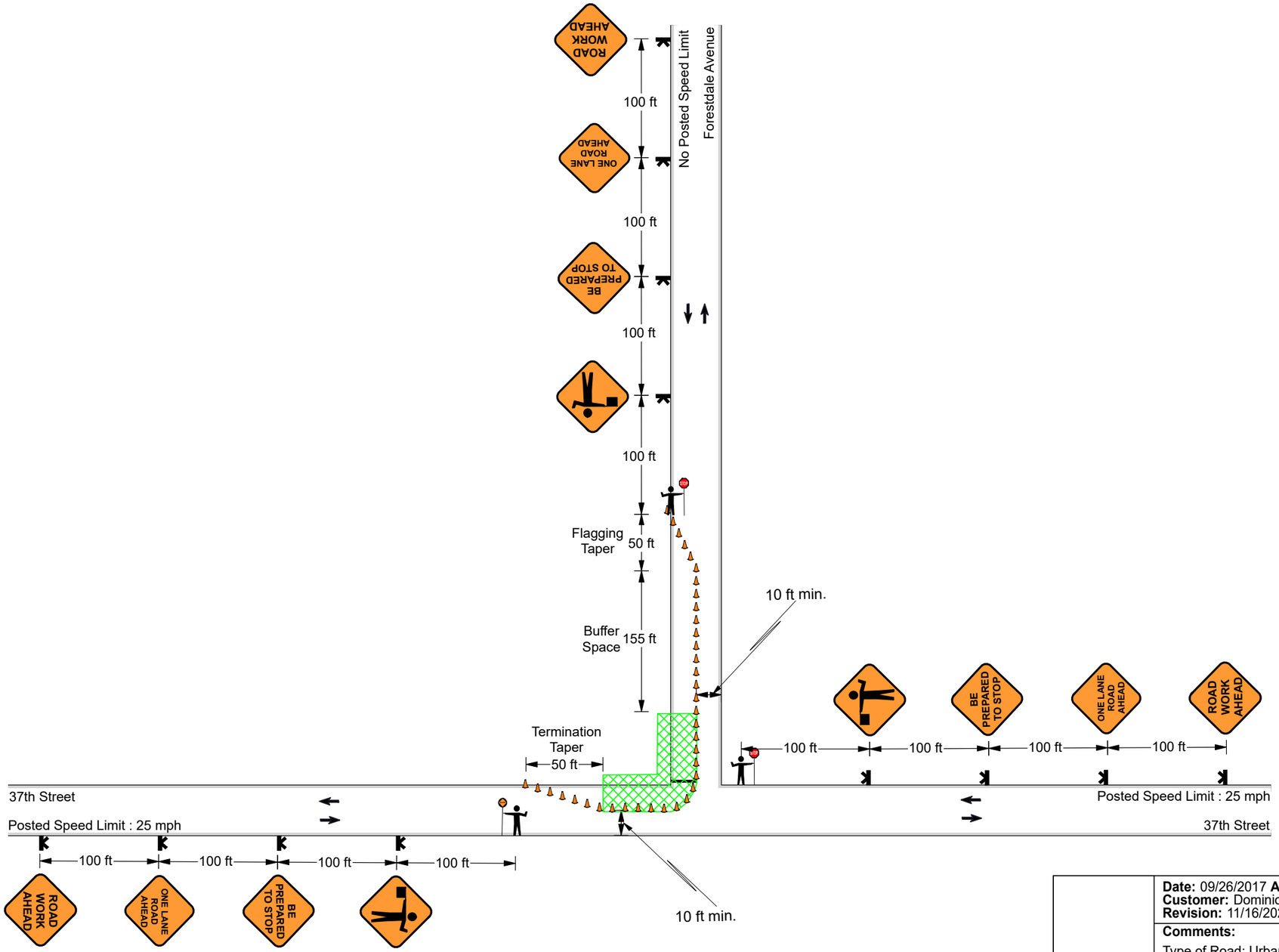
Comments:

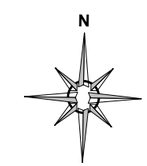
Type of Road: Urban Residential
Traffic Volume: Light to Moderate

All signs & devices shall be placed in accordance with the latest provisions of Ohio Manual for Uniform Traffic Control Devices (OMUTCD) with respect to any applicable provisions from the City of Canton.

Access to residential and commercial driveways to be maintained at all times.
Flaggers shall be trained in safe temporary traffic control practices.
Flaggers shall remain in constant communications, via two-way radio, at all times
Parking ban shall be coordinated with the Canton Police Department.

PLANS ARE NOT TO SCALE





Legend

- ADA Pedestrian Barricade
- Cone
- Cones
- Portable Sign Stand
- Type III Barricade
- Work Area

Date: 09/26/2017 **Author:** P. Pranasya **Project:** DEO - PIR-2647 - 37th &
Customer: Dominion **P#:** 400146591 **Reviewer:** A. Bhushan
Revision: 11/16/2021

Comments:

Type of Road: Urban Residential
Traffic Volume: Light to Moderate

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Parking ban shall be coordinated with the Canton Police Department.

Notes :
- Plan is applicable to the opposing side of the road.
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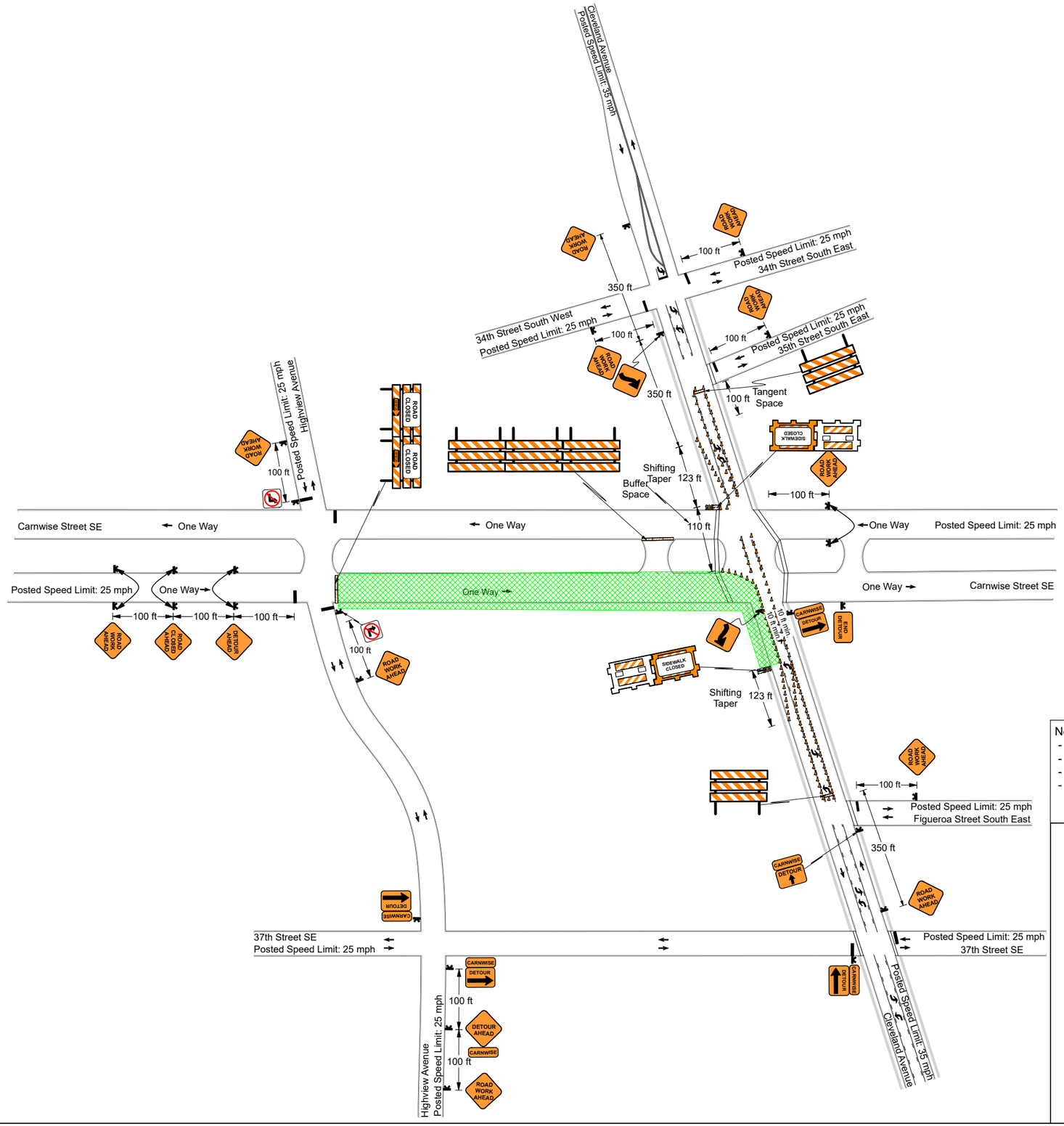
- Sign spacing may be adjusted to fit field conditions.
- "Road Work Ahead" signs shall be placed on all cross streets intersecting within the advance signing. The sign shall be placed a minimum of 100 feet in advance of the intersection.

PLANS ARE NOT TO SCALE



Notes :
- Buffer space reduced to fit field conditions.
- Sign spacing may be adjusted to fit field conditions.
- Tangent space adjusted to fit field conditions.
- "Road Work Ahead" signs shall be placed on all cross streets intersecting within the advance signing. The sign shall be placed a minimum of 100 feet in advance of the intersection.

N

Legend

- ADA Pedestrian Barricade
- Cone
- Cones
- Portable Sign Stand
- Type III Barricade
- Work Area

Date: 09/26/2017 **Author:** P. Pranasya **Project:** DEO - PIR-2647 - 37th & Cleveland Avenue - Canton, OH
Customer: Dominion **P#:** 400146591 **Reviewer:** A. Bhushan
Revision: 11/16/2021

Comments:

Type of Road: Urban Residential
Traffic Volume: Light to Moderate

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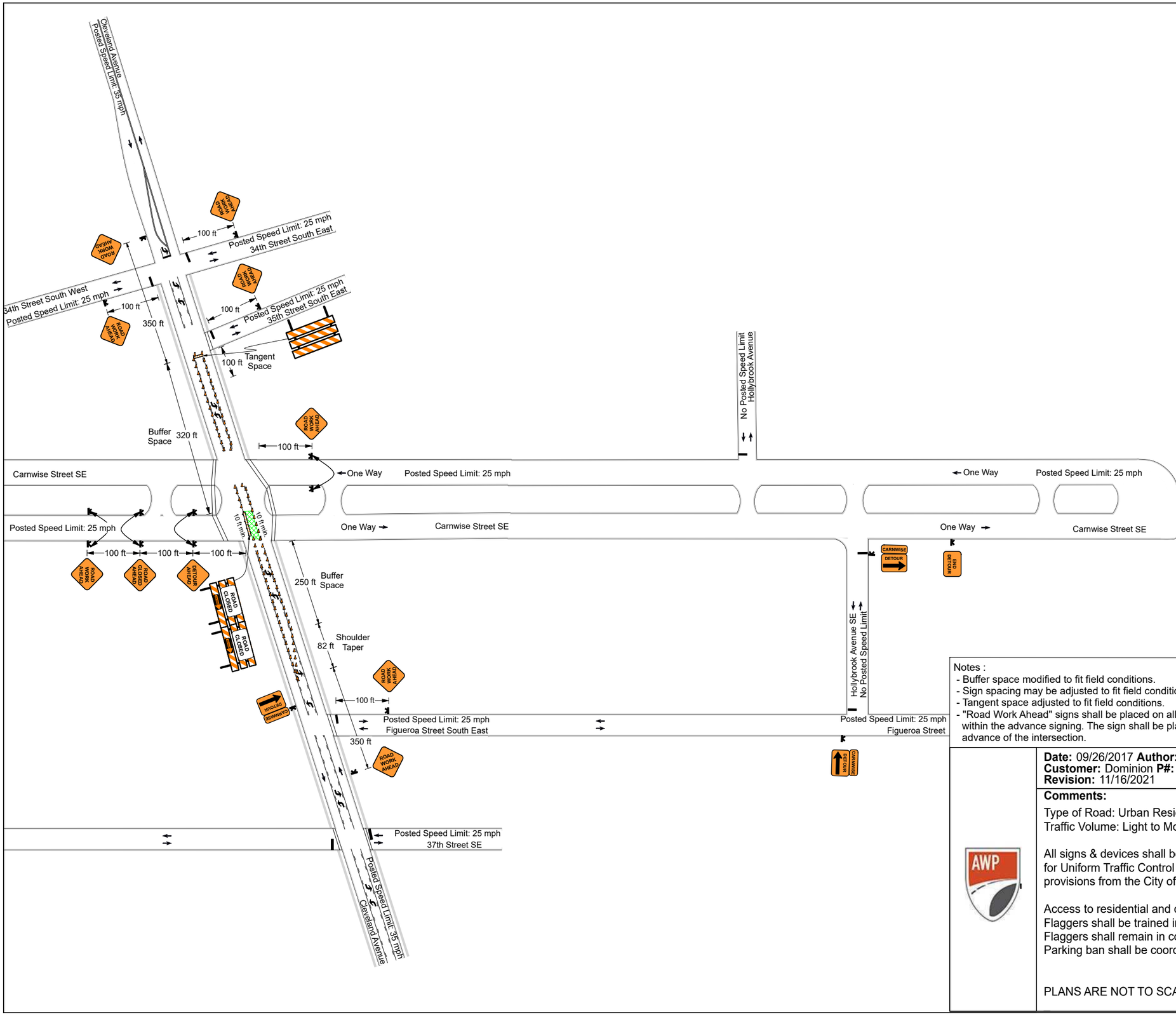

Notes :
- Buffer space modified to fit field conditions.
- Sign spacing may be adjusted to fit field conditions.
- Tangent space adjusted to fit field conditions.
- "Road Work Ahead" signs shall be placed on all cross streets intersecting within the advance signing. The sign shall be placed a minimum of 100 feet in advance of the intersection.

N

Legend

- ADA Pedestrian Barricade
- Cone
- Cones
- Portable Sign Stand
- Type III Barricade
- Work Area

Date: 09/26/2017 **Author:** P. Pranasya **Project:** DEO - PIR-2647 - 37th & Cleveland Avenue - Canton, OH
Customer: Dominion **P#:** 400146591 **Reviewer:** A. Bhushan
Revision: 11/16/2021

Comments:

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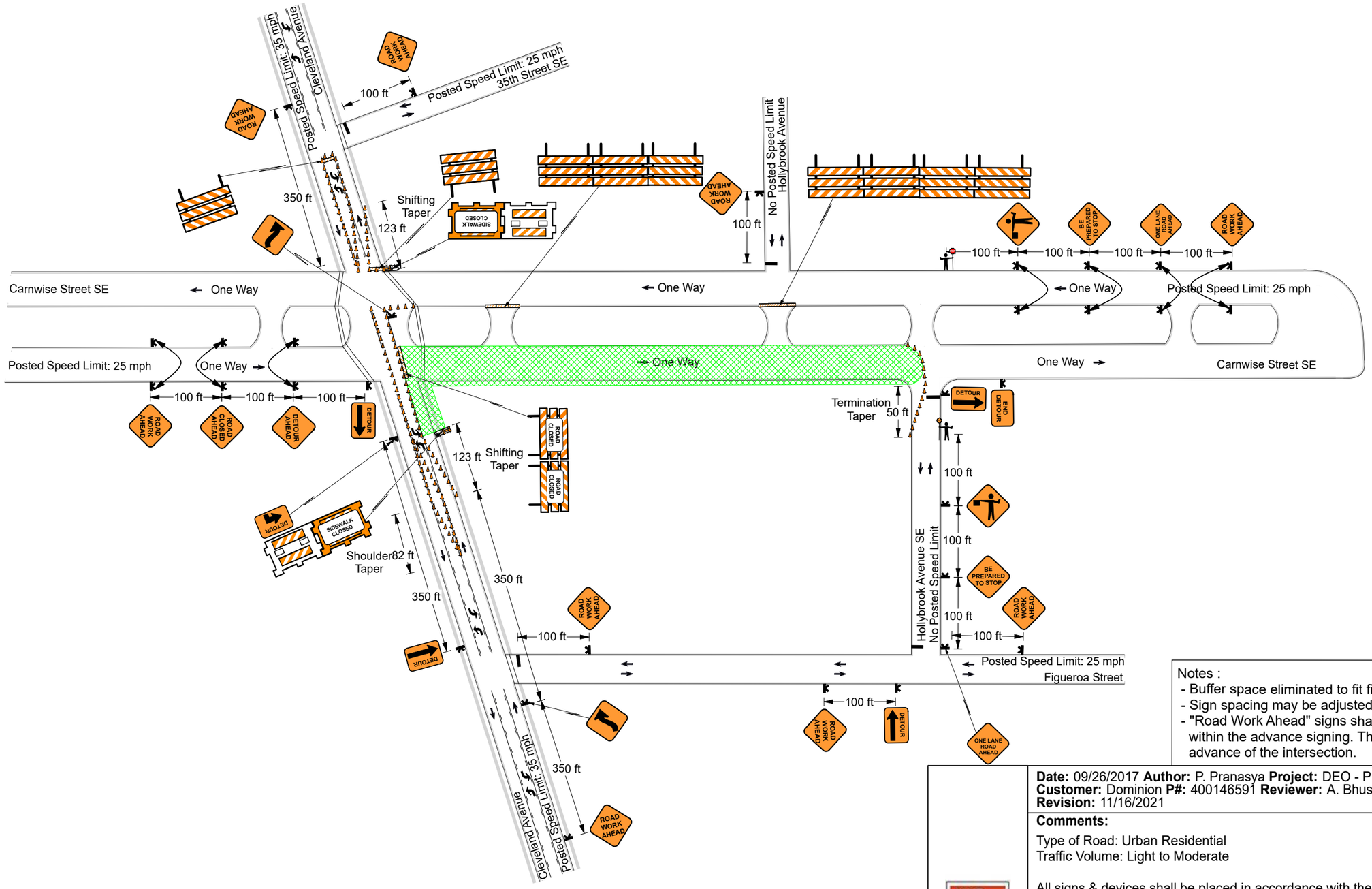
PLANS ARE NOT TO SCALE



Legend

- ADA Pedestrian Barricade
- Cone
- Portable Sign Stand
- Type III Barricade
- Work Area

Notes :
- Buffer space eliminated to fit field conditions.
- Sign spacing may be adjusted to fit field conditions.
- "Road Work Ahead" signs shall be placed on all cross streets intersecting within the advance signing. The sign shall be placed a minimum of 100 feet in advance of the intersection.

Date: 09/26/2017 **Author:** P. Pranasya **Project:** DEO - PIR-2647 - 37th & Cleveland Avenue - Canton, OH
Customer: Dominion **P#:** 400146591 **Reviewer:** A. Bhushan
Revision: 11/16/2021

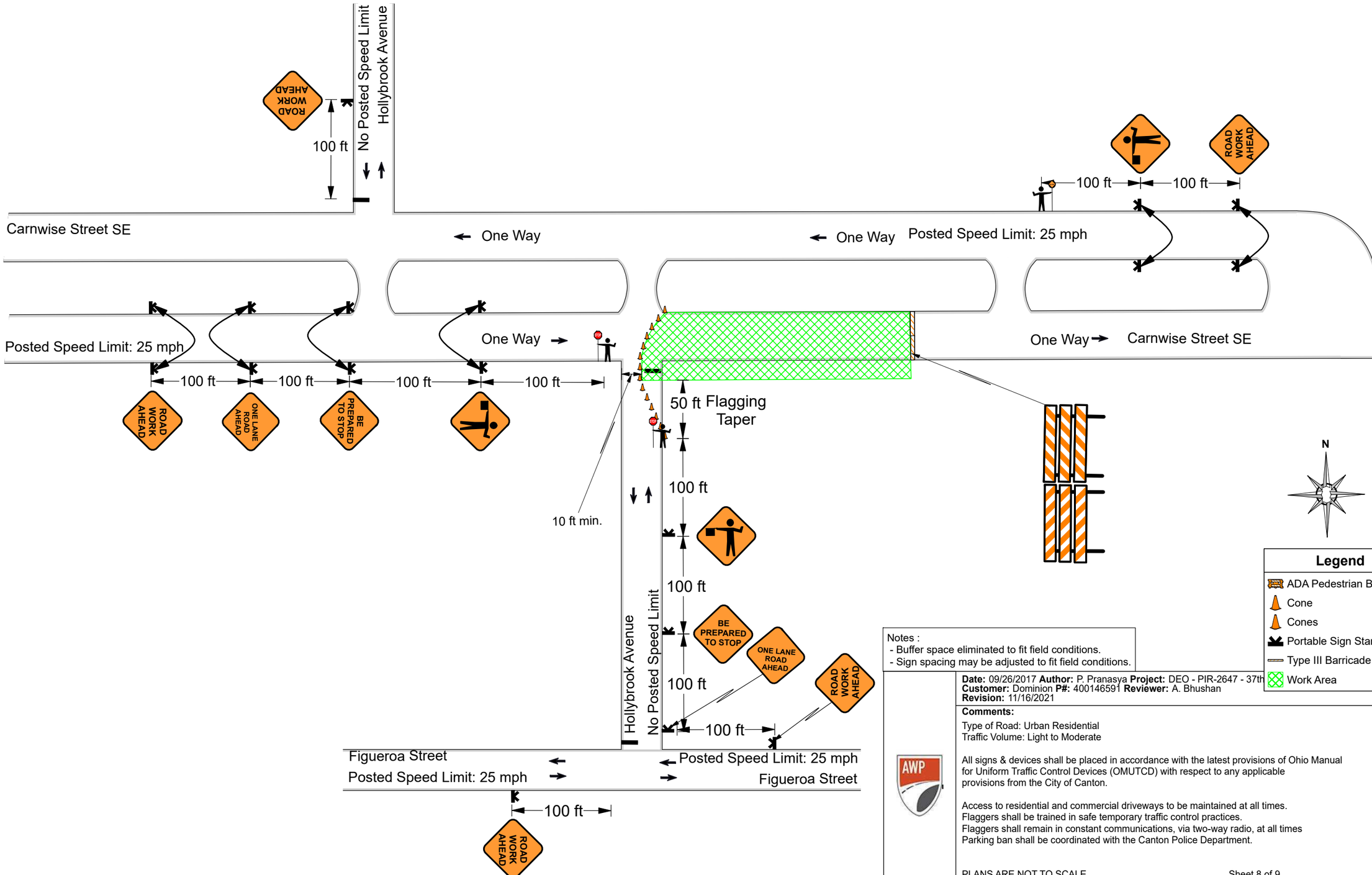
Comments:

Type of Road: Urban Residential
Traffic Volume: Light to Moderate

All signs & devices shall be placed in accordance with the latest provisions of Ohio Manual for Uniform Traffic Control Devices (OMUTCD) with respect to any applicable provisions from the City of Canton.

Access to residential and commercial driveways to be maintained at all times.
Flaggers shall be trained in safe temporary traffic control practices.
Flaggers shall remain in constant communications, via two-way radio, at all times
Parking ban shall be coordinated with the Canton Police Department.

PLANS ARE NOT TO SCALE



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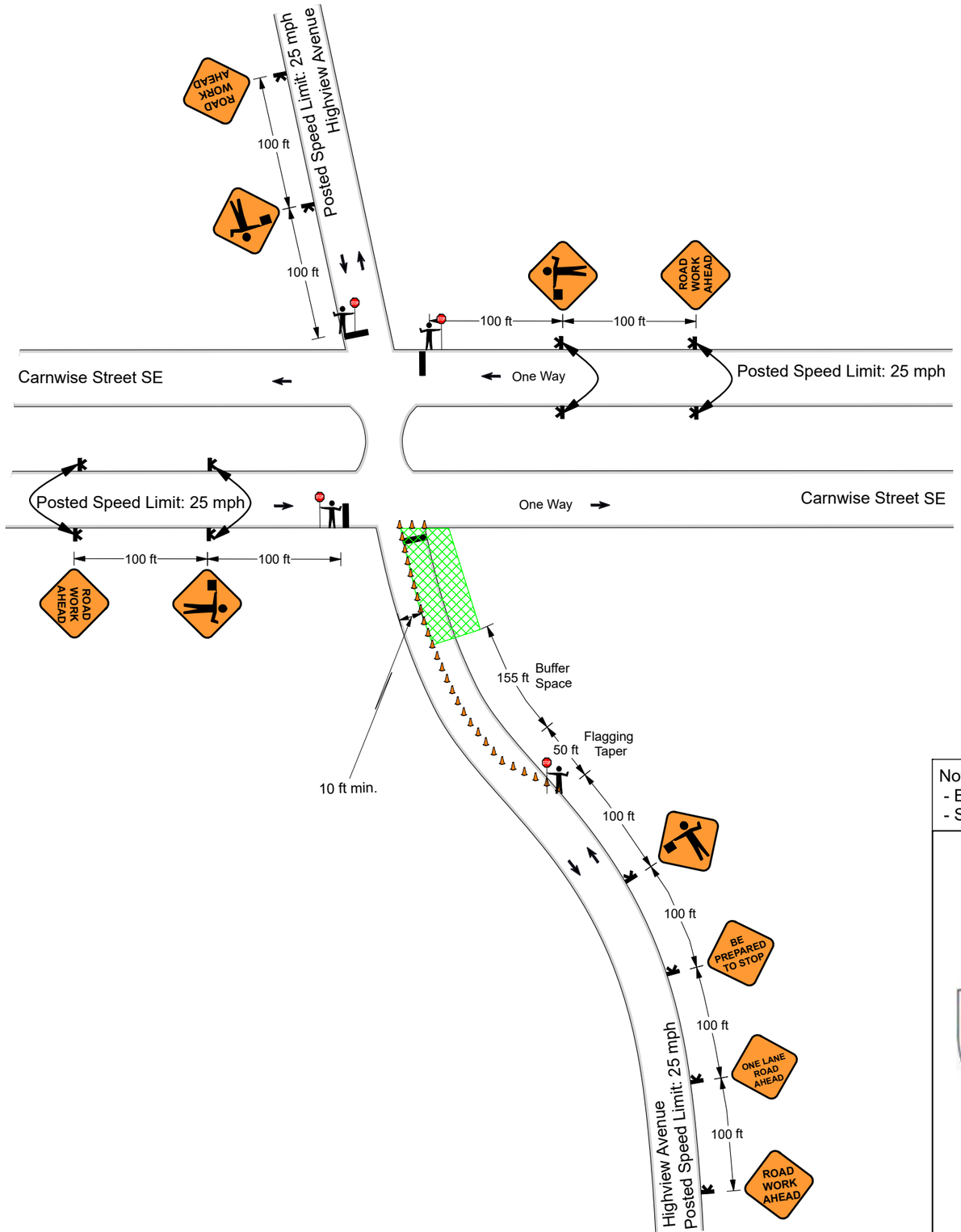

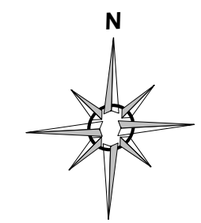

Legend

- Cone
- Portable Sign Stand
- Work Area

Notes :
- Buffer space may be eliminated or modified to fit field conditions.
- Sign spacing may be adjusted to fit field conditions.

Date: 09/26/2017 **Author:** P. Pranasya **Project:** DEO - PIR-2647 - 37th & Cleveland Avenue - Canton, OH
Customer: Dominion **P#:** 400146591 **Reviewer:** A. Bhushan
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Flaggers shall remain in constant communications, via two-way radio, at all times
Parking ban shall be coordinated with the Canton Police Department.

PLANS ARE NOT TO SCALE

Dominion Energy Services, Inc.
320 Springside Drive, Suite 320
Akron, Ohio 44333
DominionEnergy.com

July 8, 2021

BY FED-EX

Angela Cavanaugh, Chief Building Official
Stark County Building Inspection Department
7235 Whipple Avenue NW, Suite A
Canton, Ohio 44720

RE: The East Ohio Gas Company, Pipeline Infrastructure Replacement Program
Stark County Floodplain Development Permit Application
PIR 2647 – 37th and Cleveland

Dear Ms. Cavanaugh:

The East Ohio Gas Company, d/b/a Dominion Energy Ohio (DEO), requests review of the following information regarding the Pipeline Infrastructure Replacement (PIR) project, PIR 2647 – 37th and Cleveland. The purpose of the program is to replace existing pipeline to ensure the safety and reliability of pipeline operations.

The PIR 2647 – 37th and Cleveland project is located in the Canton Township, Stark County. The project area is located along Carnwise Street SW, an off-road easement, and several intersecting streets.

The project area crosses the 100-year and 500-year flood zones of Nimishillen Creek. All impacts are temporary, and the areas disturbed by the project will be restored to their pre-construction grade and contours. The project will not result in any additional impervious surface and any temporary material and/or equipment will be removed upon project completion.

The following documents are included for your review:

- Stark County Floodplain Development Permit Application – one (1) copy
- Construction Drawings - one (1) copy
- A check for $100.00 made payable to the Stark County Building Inspection Department

Your review and approval of this application is appreciated. Please forward your response to the attention of:

Greg Eastridge
Environmental Specialist III
320 Springside Drive, Suite 320
Akron, Ohio 44333
gregory.k.eastridge@dominionenergy.com

If you have any questions, please contact Greg Eastridge at (330) 664-2576.

Sincerely,

Jason P. Ericson
Director Environmental Services

Enclosures

cc: Greg Eastridge

Attachment 1
Stark County Floodplain Development Permit Application

FLOOD PLAIN PERMIT APPLICATION FOR STARK COUNTY

PERMIT NO._____ **FEE** $100.00

(If application is approved, a certified Elevation Certificate must be submitted at the time of the footer/foundation inspection of improvement.)

Owners Name The East Ohio Gas Company, d/b/a Dominion Energy Ohio

Address 320 Springside Drive, Suite 320

City Akron **State** Ohio **Zip** 44333

Location of Improvement: Utility line replacement project, no permanent development within the floodplain is proposed

Address 40.756656, -81.380536

City NA **State** Ohio **Zip** 44614

Twp Canton **Sec** _____ **Qtr** _____

A. Description of Proposed Improvements

1. Will any watercourses be altered or relocated? YES ___ NO X
   a. If watercourses will be altered or relocated, will explosives be used? YES___ NO ___
   (If yes, attach a copy of the permit from ODNR, Division of Wildlife.)
   b. If property is in a floodway, a technical evaluation is required.

2. Will oil or gas lines be affected? YES___ NO___
   (If yes, attach a copy of permit from ODNR, Division of Oil or Gas.)

3. Will pollutants of any type be discharged? YES____ NO X
   (If yes, attach copy of permit from ODOT.)

4. Will access to a State Highway be required? YES _____ NO X
   (If yes, attach copy of permit from ODOT.)

5. Is the proposed site adjacent to or within an easement held by the Corps of Engineers for Flood Control purposes? YES ____ NO X
   (If yes, attach a copy of an approved permit from the Corps of Engineers, Or a copy of a letter from the Corps stating no permit is required.)

6. Structure to be flood protected by: (Provide site plan prepared by surveyor.)
   _____ Adding Fill. Top of fill _____ feet above mean sea level.
   _____ Flood proofing (Non-residential)
   _____ Tie downs (Mobile Homes)
   _____ Entire structure outside of the flood plain hazard area "A".
   _____ Other

Prepared by _____ Date 7/7/2021

B. Requirements

Required M.S.L. of lowest floor of new construction or substantially improved existing construction:

_____

Required M.S.L. of Flood proofing (Non Residential) _____
Provide two sets of plans, showing location, dimensions, and elevations of existing and proposed structures, fill and drainage. Indicate flood hazard areas, floodways, and/or restrictions.

Completed Elevation Certificate received NA (Date)

APPLICATION - APPROVED / DENIED _____ **DATE** _____

Attachment 2
Construction Drawings

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS 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.

SYMBOL LEGEND

- I.P. FOUND
- MONUMENT BOX
- BENCHMARK
- STORM SEWER MANHOLE
- CURB INLET
- CATCH BASIN
- SANITARY SEWER MANHOLE
- SEPTIC TANK
- WATER MANHOLE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- MONITOR WELL
- LIGHT POLE
- SUPPORT POLE
- POWER POLE
- TELEPHONE POLE
- GUY
- TOWER POLE
- YARD LIGHT
- RAILROAD CROSSING
- ELECTRIC MANHOLE
- ELECTRIC PEDESTAL
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL
- FIBER OPTIC MANHOLE
- CABLE MANHOLE
- CABLE PEDESTAL
- UTILITY MANHOLE
- TRAFFIC PEDESTAL
- PULL BOX
- FLOOD PLAIN
- BROWNFIELD
- WETLANDS
- SATELLITE DISH
- FLAG POLE
- ROCK
- MAIL BOX
- POST
- SIGN
- GAS MARKER
- ELECTRIC MARKER
- TELEPHONE MARKER
- CABLE MARKER
- ADA RAMP
- EX. GAS VALVE
- EX. GAS METER
- PROP. GAS METER
- EX. GAS TEST BOX
- EX. GAS DRIP
- EX. COUPLING
- EX. REDUCER
- EX. END CAP
- PROP. GAS VALVE
- PROP. CRITICAL GAS VALVE
- PROP. REDUCER
- PROP. CAP
- PROP. 3-WAY/SPHERICAL TEE
- PROP. COUPLING
- PROP. STOPPER
- CAUSE FOR PAUSE
- TREE
- REMOVE
- EVERGREEN TREE
- SHRUB
- STUMP
- BAT TREE

GENERAL LINE LEGEND

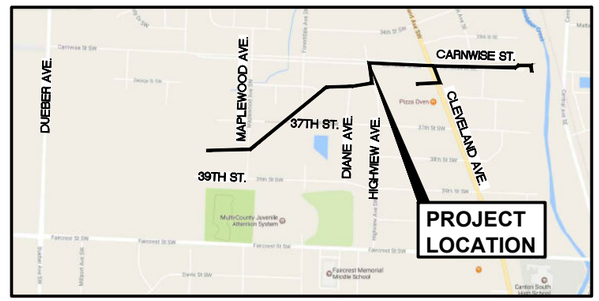
- PROPOSED LP GAS LINE
- PROPOSED MP GAS LINE
- PROPOSED IP GAS LINE
- PROPOSED HP GAS LINE
- PROPOSED TPL GAS LINE (TPL)
- PROPOSED STORAGE GAS LINE (STOR)
- PROPOSED GATHERING GAS LINE (GATH)
- PROPOSED PRODUCTION GAS LINE (PROD)
- PROPOSED SERVICE LINE (SERV)
- PROPOSED DEO EASEMENT
- EXISTING GAS LINE TO BE ABANDONED
- EXISTING LOW PRESSURE GAS LINE (LP)
- EXISTING MEDIUM PRESSURE GAS LINE (MP)
- EXISTING INTERMEDIATE PRESSURE GAS LINE (IP)
- EXISTING HIGH PRESSURE GAS LINE (HP)
- EXISITING CASING PIPE (LP)
- EXISTING TRANSMISSION LINE (TPL)
- EXISTING PRODUCTION GAS LINE (PROD)
- EXISTING STORAGE LINE (STOR)
- EXISTING GATHERING LINE (GATH)
- EXISTING SERVICE LINE (SERV)
- ABANDONED GAS LINE (ABAN GAS)
- OVERHEAD UTILITY LINE (OHU)
- PROPERTY LINE
- CORPORATION LINE
- EXISTING EASEMENT
- EXISTING UNDERGROUND STEAM (STEAM)
- EXISTING UNDERGROUND CHILLER WATER (CWTR)
- EXISTING UNDERGROUND CABLE (UC)
- EXISTING UNDERGROUND TELEPHONE (UT)
- EXISTING UNDERGROUND ELECTRIC (UE)
- EXISTING UNDERGROUND FIBER OPTICS (UFO)
- EXISTING SANITARY SEWER (SS)
- EXISTING STORM SEWER (SD)
- EXISTING WATERMAIN (WTR)
- EXISTING GUARDRAIL
- EXISTING RAILROAD
- RIGHT OF WAY (R/W)
- CENTER LINE (1+00)
- EXISTING ROAD PAVEMENT
- EXISTING WALK/DRIVE
- FENCE
- TREE LINE

Dominion Energy

PIR-2647

37TH & CLEVELAND AVE

CANTON TOWNSHIP
STARK COUNTY, OHIO
P#400146591
MWO#633135864
CWO# TBD



OVERALL HIGH-LEVEL PROJECT SCOPE
(not for use in quantifying)

THIS PROJECT CONSISTS OF REPLACING APPROXIMATELY 5,320 FEET OF EXISTING HIGH PRESSURE WITH 6,115 FEET OF HIGH PRESSURE AND REPLACING APPROXIMATELY 140 FEET OF MEDIUM PRESSURE PIPE WITH 140 FEET OF MEDIUM PRESSURE MDPL PIPE.

2 OTHER
-PRODUCER
-M&R

REFER TO MATERIAL LIST OR BID SHEET(S) FOR ACTUAL QUANTITIES. CONTACT PROJECT MANAGER FOR QUESTIONS.

INDEX OF SHEETS

TITLE SHEET	1
GENERAL NOTES	2
CAUSE FOR PAUSE	2A
SHEET INDEX	3
PLAN SHEETS	4-17
M&R STATION DETAIL	17A
DETAILS	18-19

(AUGER)(HDD) / TIER (2)(3)(4) / (STEEL GREATER THAN 12")

DIRECTOR BORE DESIGN APPROVAL: _____ DATE: _____

DIRECTOR POST CONSTRUCTION APPROVAL: _____ DATE: _____

DOMINION CONTACTS

PROJECT MANAGER:
DAVID HOLLENDONNER - 330-664-2677

TECHNICAL SPECIALIST / ENGINEER:
MATHEW SERGENT - 330-571-3168

ENVIRONMENTAL:
DAVE FREDLE - 330-703-3603

LAND SERVICES:
KIM MILANO - 330-664-2419

CORROSION:
AL HUMRICHOUSER - 330-323-3119

CONTRACTOR INSPECTION:
DAVID CROFT - 330-664-2447

MUNICIPALITY(IES):
CANTON TOWNSHIP - JOHN SMITH - 330-484-2501
ODOT DISTRICT 4 - 330-786-3100

IN CASE OF EMERGENCY CALL 9-1-1, THEN:
PRIMARY EMERGENCY LINE FOR CUSTOMERS 877-542-2630

DOMINION CUSTOMER SERVICE (FMS):
LORI GAECKLE - 330-478-3182
ROD VOLZER - 330-478-3181

REFER TO MATERIAL LIST OR BID SHEET(S) FOR ACTUAL QUANTITIES. CONTACT PROJECT MANAGER FOR QUESTIONS.

OHIO811.org Before You Dig

1-800-362-2764 or 811

CAUSE FOR PAUSE

SIGNIFICANT/CRITICAL ITEMS REQUIRING CAUTION APPLY TO THIS PROJECT AND REQUIRE AN ONSITE PRE-CONSTRUCTION MEETING BY DESIGN AND CONSTRUCTION.

PLAN APPROVAL SIGN OFF:
FINAL – PLANS APPROVED FOR CONSTRUCTION DATE: _____

FOR M&R STATION PLANS, SEE SHEET: [SHEET #]

PROJECT MANAGER: _____ DATE: _____

CONST. SUPERVISOR: _____ DATE: _____

GM&R SUPERVISOR: _____ DATE: _____

GAS CONTROL/PLANNING: _____ DATE: _____

PIPELINE INFORMATION TABLE

PRESS.	SYS. ID.	PCB ZONE	SYSTEM MAOP	TESTING
HIGH	CH2	YELLOW	160 psi	SEE GENERAL NOTES FOR PRESSURE TESTING REQUIREMENTS
INTERMEDIATE				
MEDIUM	CM23	YELLOW	25 psi	
LOW				

MUNICIPALITY: Canton Twp Canton LSD	
TAX DIST: OH14616	
MUNICIPALITY:	
TAX DIST:	
MUNICIPALITY:	
TAX DIST:	COUNTY: STARK
INV. DIV. 700	ZIP CODE: 44706
OPERATING AREA: 3C	COORD: 40° 45' 14.04" N - 81° 23' 13.49" W
PCB ZONE: SEE TABLE	PIPELINE SYSTEM ID: SEE TABLE
CLASS LOCATION: 3	DESIGN CLASS LOCATION: 3
TEST MEDIUM: SEE TABLE	XRAY: 100%
TEST PRESSURE: SEE TABLE	SEGMENT MAOP: SEE TABLE
TEST DURATION: SEE TABLE	SYSTEM MAOP: SEE TABLE
O.U.P.S. DESIGN TICKET NO.	A626300964, 0967, 1008, 1012, 1025, 1027, 1034, 1035, 1048 1048, 1052, 1059, 1062, 1072, 1086, 1088, 1105, 1107 1499, 1509, 1513, 1515, 1519, 1523, 1528, 1532, 1534
SPECIFIED MINIMUM YIELD STRENGTH (SMYS):	

OHIO UTILITIES PROTECTION SERVICE
2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

TITLE SHEET

DATE: 05.11.21
PROJECT ID#: P400146591

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:05am Owner: Ikaczmarek

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS 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.

GENERAL NOTES:

- CONTRACTOR MUST MAINTAIN A SAFE WALKWAY FOR PEDESTRIANS TRAVELING THROUGH THE WORK ZONE.
- INGRESS AND EGRESS TO DRIVEWAYS TO BE MAINTAINED WHEN PRACTICAL FOR CONSTRUCTION.
- ALL PAVEMENT OPENINGS TO BE RESTORED PER CITY REQUIREMENTS (SEE DETAILS).
- ALL RESTORATION MUST BE COMPLETED IMMEDIATELY AFTER GAS MAIN INSTALLATION.
- CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY RESTORATION AND ITS MAINTENANCE UNTIL FINAL RESTORATION IS COMPLETE.
- CANTON TOWNSHIP TO BE CONTACTED 7 WORKING DAYS BEFORE START OF CONSTRUCTION. CALL JOHN SMITH AT 330-484-2501.
- 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 OUPS 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 3RD PARTY TO COORDINATE THE WORK.
- CONTRACTOR TO GAUGE LINES AND USE DOUBLE BYPASSES AS REQUIRED.
- CONTRACTOR SHALL ADHERE TO ALL ASPECTS OF THE DEO CORROSION POLICY WHEN WORKING ON STEEL MAINS AND SERVICES.
- DEO WILL PAY FOR ANY AND ALL NON-DESTRUCTIVE TESTING (NDT) OF WELDS. THE CONTRACTOR SHALL ASSIST THE NDT CONTRACTOR WHERE NEEDED AT NO ADDITIONAL COST TO DEO.

MAINTENANCE OF TRAFFIC:

ALL TRAFFIC MAINTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF:
THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
INCLUDING BUT NOT EXCLUSIVE OF O.R.C 614.02, 614.03

1. THE CONTRACTOR SHALL CONTACT AREA WIDE PROTECTIVE (AWP) AND FAX TRAFFIC CONTROL ORDER FORM AT LEAST 48 HOURS IN ADVANCE. TELEPHONE: (330) 644-0655 OR 1-800-343-2650 FAX: 1-800-677-7079.

2. CONTRACTOR IS RESPONSIBLE TO COORDINATE, SCHEDULE AND CANCEL TRAFFIC CONTROL WITH AWP AND THE RESPECTIVE MUNICIPALITY AND/OR JURISDICTIONAL ENTITY. CANCELED AWP TRAFFIC CONTROL IS REQUIRED TO BE DONE A MINIMUM OF 1 HOUR BEFORE THE ESTABLISHED JOB START TIME TO AVOID PENALTY. IF CONTRACTOR CANCELS OR SHUTS DOWN FOR ANY REASON, AND FAILS TO CANCEL TRAFFIC CONTROL PRIOR TO THE MINIMUM ADVANCE NOTICE, THE CONTRACTOR IS RESPONSIBLE FOR PAYMENT TO AWP. DEO FIELD INSPECTOR TO DOCUMENT THIS ON CURRENT AWP/TRAFFIC CONTROL AS-BUILT PAPERWORK.

RESTORATION:

1. THE CONTRACTOR SHALL RE-ESTABLISH FINAL GRADE OF EXCAVATED AREA FOLLOWING PIPE INSTALLATION. THIS ACTION MUST TAKE PLACE IN ACCORDANCE WITH THE DEO FURNISHED SWPPP OR WITHIN 14 CALENDAR DAYS OR LESS FROM THE TIME TRENCH IS BACKFILLED DURING THE CONSTRUCTION PROCESS. THE GRADED AREA MUST BE STABILIZED BY EITHER PERMANENT OR TEMPORARY MEASURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATING ANY SETTLING OF THE CONSTRUCTION AREA FOR ONE (1) YEAR AFTER REMEDIATION COMPLETE.

2. RESTORATION SHALL BE PERFORMED IN TANDEM WITH PROJECT PHASING (RESTORE AS YOU GO). TEMPORARY RESTORATION WILL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR UNTIL FINAL RESTORATION IS COMPLETE AS TO STAY IN COMPLIANCE WITH THE SWPPP.

3. IN CULTIVATED AND WETLAND AREAS, THE CONTRACTOR SHALL SEPARATE THE TOP 12 INCHES OF SPOILS DURING EXCAVATION, AND RETURN TO THE SURFACE DURING BACK FILLING. IN HAY AND PASTURE FIELDS, THE CONTRACTOR SHALL RESEED THE ENTIRE DISTURBED AREA WITH THE SEED MIXTURE AS EXISTS IN ADJACENT, UNDISTURBED AREA.

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 ANY/ALL 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 DEO FIELD 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 1-3/8 INCHES.

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 (OOGPUPS) AT 1-800-925-0988 A MINIMUM OF 48 HOURS BEFORE START OF CONSTRUCTION TO LOCATE ANY GAS PRODUCER FACILITIES IN THE AREA.

ENVIRONMENTAL:

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL SUITABLE EROSION AND SEDIMENTATION CONTROLS AS REQUIRED TO MINIMIZE EROSION AND SEDIMENT-LADEN RUNOFF. THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENT CONTROLS ON A DAILY BASIS. COST OF ESTABLISHING AND MAINTAINING EROSION AND SEDIMENTATION CONTROLS ARE TO BE INCLUDED IN THE CONTRACTOR'S BID PRICING. REPAIRS TO THESE CONTROLS ARE TO BE ADDRESSED IMMEDIATELY AFTER INSPECTION OR NOTIFICATION OF DEFICIENCY.

2. INFORMATION REGARDING ENVIRONMENTAL FEATURES (WETLANDS, STREAMS, BAT ROOST TREES, ETC.) IN THE PROJECT PLANS IS FOR REFERENCE ONLY. THESE FEATURES WILL BE FIELD-MARKED BY DEO ENVIRONMENTAL REPRESENTATIVE AND MUST BE CONFIRMED AT THE TIME OF CONSTRUCTION.

3. THE CONTRACTOR SHALL NOT ALTER THE FLOW OF ANY EXISTING WATERWAY OR STREAM. ANY EXISTING WATER FLOW DIRECTION MUST BE MAINTAINED IN KIND. WHEN APPLICABLE, REMOVED EXISTING STREAM BED MATERIAL/STRATA SHALL BE REPLACED IN THE SAME LAYERING THAT IS WAS PRIOR TO THE EXCAVATION DISTURBANCE.

4. FOR ANY/ALL GOVERNMENTAL JURISDICTIONS THAT HAVE REGULATIONS/REQUIREMENTS REGARDING "FUGITIVE DUST EMISSIONS", THE CONTRACTOR SHALL COMPLY ACCORDINGLY. THIS REQUIREMENT CAN BE REVIEWED IN OHIO ADMINISTRATIVE CODE (SECTION 3745-17-08(B)(1)). FOR ANY QUESTIONS REGARDING THIS REQUIREMENT, PLEASE CONTACT DEO'S MANAGER OF CONTRACT SERVICES OR DEO'S ENVIRONMENTAL MANAGEMENT GROUP. SAW CUT SLURRY RUNOFF TO BE CONTAINED PER SWPPP REQUIREMENTS.

5. FOR "COAL TAR COATED" PIPE, THE CONTRACTOR SHALL ENSURE THAT ALL APPLICABLE SOPS ARE APPLIED ACCORDINGLY REGARDING THE REMOVAL, HANDLING AND ASSOCIATED TRANSPORT OF THE PIPE. IF/WHEN NEEDED, CONTRACTOR SHALL COORDINATE WITH THE DOMINION FIELD INSPECTOR AND/OR DOMINION'S ENVIRONMENTAL GROUP REPRESENTATIVE SO THAT ALL PARTIES INVOLVED ARE ASSURED THAT THE PROPER BEST PRACTICES ARE BEING EMPLOYED TO ENSURE THAT NO ENVIRONMENTAL AGENCY REQUIREMENTS ARE COMPROMISED.

6. DEO CONTRACTOR IS TO FOLLOW PCB PIPELINE GUIDELINES:
   - PCB ZONE IS BLUE:
     a. ABANDONED PIPE TO BE PURGED AND CAPPED ACCORDING TO DOMINION SOP. CONTRACTOR IS TO ABANDON AND PURGE ALL MAINS. GROUT WILL NOT BE NEEDED AS MAINLINE IS WITHIN A BLUE PCB ZONE.
     b. REMOVED PIPE TO BE PURGED AND DISPOSED OF BY THE DEO CONTRACTOR
   - PCB ZONE IS GREEN:
     c. ABANDONED PIPE TO BE PURGED AND CAPPED ACCORDING TO DOMINION SOP. CONTRACTOR IS TO ABANDON AND PURGE ALL MAINS. GROUT WILL NOT BE NEEDED AS MAINLINE IS WITHIN A GREEN PCB ZONE.
     d. REMOVED PIPE TO BE PURGED AND DISPOSED OF BY THE DEO CONTRACTOR.
   - PCB ZONE IS YELLOW:
     e. ABANDONED PIPE > 4 INCHES WILL REQUIRE A SWIPE TEST. GROUT MAY BE REQUIRED. IF REQUIRED, GROUT TO BE SUPPLIED BY CONTRACTOR AT NO ADDITIONAL COST TO DEO.
     f. ABANDONED PIPE = OR < 4 INCHES WILL BE TREATED AS RED ZONE PIPE AND WILL BE GROUTED.
     g. REMOVED PIPE TO BE PURGED, CAPPED AND TRANSPORTED TO LOCAL SHOP SMELT BOX OR CANTON PERRY YARD. MAXIMUM LENGTH FOR ANY SECTION OF PIPE IS 39 FEET. 48 HOUR NOTICE AND SCHEDULING REQUIRED. CONTACT JIM GRIFFIN 330-323-9813.
     h. SHIPPING PAPERS ARE REQUIRED. WRITTEN SHIPPING NAME TO BE "NON-DOT REGULATED PCBS".
     i. AT LEAST ONE SEGMENT OF PIPE, PER LOAD, IS REQUIRED TO HAVE THE ACTUAL REMOVAL DATE INDICATED ON IT.
   - PCB ZONE IS RED:
     j. ABANDONED PIPE > 4 INCHES WILL REQUIRE A SWIPE TEST. GROUT MAY BE REQUIRED. IF REQUIRED, GROUT TO BE SUPPLIED BY CONTRACTOR AT NO ADDITIONAL COST TO DEO.
     k. ABANDONED PIPE = OR < 4 INCHES WILL BE GROUTED.
     l. REMOVED PIPE TO BE PURGED, CAPPED AND TRANSPORTED TO LOCAL SHOP SMELT BOX OR CANTON PERRY YARD. MAXIMUM LENGTH FOR ANY SECTION OF PIPE IS 39 FEET. 48 HOUR NOTICE AND SCHEDULING REQUIRED. CONTACT JIM GRIFFIN 330-323-9813.
     m. SHIPPING PAPERS ARE REQUIRED. WRITTEN SHIPPING NAME TO BE "NON-DOT REGULATED PCBS".
     n. AT LEAST ONE SEGMENT OF PIPE, PER LOAD, IS REQUIRED TO HAVE THE ACTUAL REMOVAL DATE INDICATED ON IT.

6. CONTRACTOR SHALL CARRY ABSORBENT MATERIAL AND/OR SPILL KIT TO BE USED IN THE EVENT LIQUIDS ARE ENCOUNTERED WHILE WORKING ON THE PIPELINE MAINS OR SERVICES, WITHOUT ANY ADDITIONAL COST TO DEO.

CORROSION:

1. ANY EX TEST POINT DAMAGED DURING CONSTRUCTION MUST BE REESTABLISHED.

2. FOR ALL TEST POINTS INSTALLED OR REESTABLISHED, DEO INSPECTOR MUST ACHIEVE A MINIMUM PIPE-TO-SOIL READING OF -0.850 VOLTS. IN THE EVENT THE MINIMUM REQUIRED READ CANNOT BE ACHIEVED, DEO INSPECTOR WILL CONTACT DEO CORROSION TO TROUBLESHOOT. INSTALLATION OF ANY TEST POINT THAT FAILS TO ACHIEVE THE MINIMUM READING WILL NOT BE CONSIDERED COMPLETE UNTIL DEO PERSONNEL HAVE DETERMINED THE CAUSE CONTRACTOR SHALL NOT RECEIVE ADDITIONAL COMPENSATION UNDER THIS PROVISION.

TRACER WIRE & BOX INSTALLATION:

1. TRACER WIRES MUST BE BROUGHT TO THE SURFACE IN ALL CURB, GATE, TRACER, OR TEST WIRE BOXES TO CREATE AS MANY DIRECT CONNECTION POINTS AS POSSIBLE. THE MAXIMUM DISTANCE BETWEEN ABOVE-GROUND DIRECT CONNECTION ACCESS POINTS SHALL NOT EXCEED 500 FEET.

2. TRACER WIRE SHALL BE MINIMUM #12 AWG SOLID COPPER WIRE WITH YELLOW THERMOPLASTIC COATING.

3. FOR PLASTIC INSTALLED VIA HDD, (2) TRACER WIRES SHOULD BE USED TO ENSURE INTEGRITY OF CONDUCTIVITY.

4. TRACER WIRES ON SERVICE LINES SHALL BE EXTENDED ABOVE-GROUND AT THE METER SET INLET RISER AND BE AVAILABLE INSIDE THE CURB BOX.

5. THE INTEGRITY AND CONTINUITY OF THE TRACER WIRE MUST BE VERIFIED PRIOR TO ACCEPTING THE PIPE INTO THE SYSTEM.

6. ALL TRACER WIRE ACCESS POINTS ON MAINLINE SHALL BE DOCUMENTED IN FIELD NOTES.

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 THIRD PARTY FACILITIES. IF THIS REQUIRES "TEST HOLES", DEO WILL NOT MAKE ADDITIONAL PAYMENT FOR COMPENSATION. THE RESTORATION OF ANY TEST HOLES REQUIRED IS TO BE INCLUDED IN THE LUMP SUM BID PRICE. REFERENCE SHALL BE MADE TO SOP REGARDING USE OF TRENCHLESS TECHNOLOGY.
2. ALL BORING REQUIRES PHYSICAL EXPOSURE OF ALL UTILITY LOCATIONS (I.E., POT-HOLING OR VACUUM EXCAVATION) PRIOR TO ANY CONSTRUCTION. RESTORE THESE AREAS IN-KIND.
3. BORING OPERATIONS MUST HALT IF ANY FRAC OUT OR INADVERTENT RETURNS OCCUR. SEE FLOW CHART IN SWPPP FOR APPROPRIATE ACTIONS TO TAKE AND CONTACTS TO MAKE. OPERATIONS MAY CONTINUE FOLLOWING THOROUGH CLEANUP. DOCUMENTATION WILL BE REQUIRED 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 A DIG UP AND RETRIEVAL OF THE BORING HEAD IS NECESSARY. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE RETRIEVAL OF THE BORE HEAD OR ASSOCIATED EQUIPMENT.

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.

UTILITY OWNERSHIPS ARE AS FOLLOWS:

OHIO UTILITIES PROTECTION SERVICE:

ADDRESS	4740 Belmont Ave.
CITY	Youngstown, OH 44505
PHONE:	1-800-362-2764
CONTACT:	Tom Hacksteddе - Supervisor

AEP OHIO:

ADDRESS	850 Tech Center Dr.
CITY	Gahanna, Ohio 43230
PHONE:	614-883-6802
CONTACT:	Brent Gates

CITY OF CANTON ENGINEERING DIVISION

ADDRESS	CITY SERVICE CENTER BUILDING A 2436 30TH STREET NE
CITY	CANTON, OHIO 44705
PHONE:	330-489-3381
CONTACT:	RICK BODENSCHATZ

DOMINION EAST OHIO:

ADDRESS	320 Springside Dr., Suite 320
CITY	Akron, Ohio 44333
PHONE:	330-664-2409
CONTACT:	Bryan Dayton - Project Manager

CANTON WATER DEPARTMENT:

ADDRESS	2664 Harrisburg Road NW
CITY	Canton, Ohio 44705
PHONE:	330-438-6554
CONTACT:	Annette Mollet

CANTON SEWER DEPARTMENT:

ADDRESS	2901 Regent Ave. NE
CITY	Canton, Ohio 44705
PHONE:	330-489-3381
CONTACT:	Terry Conner

CANTON TOWNSHIP:

ADDRESS	4711 CENTRAL AVE. SE
CITY	Canton, Ohio 44707
PHONE:	330-484-2501
CONTACT:	JOHN SMITH

RESTRAINING PIPE NOTE:

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

OHIO UTILITIES PROTECTION SERVICE
2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

GENERAL NOTES

DATE: 05.11.21
PROJECT ID#: P400146591

Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:05am Owner: lkaczmarek

SIGNIFICANT/CRITICAL ITEM - DESIGN REVIEW LIST

SHEET #	LOCATION (STREET, STATIONING, ESMT, ETC)	CAUTION NOTES	
5	EASEMENT STA. 3+43	CROSSING 8" HP DEO GAS LINE.	
6	EASEMENT STA. 4+04 - STA. 5+58	CROSSING WETLAND	
6	EASEMENT STA. 6+53 STA. 6+98	STREAM CROSSING	
7	CROSSING MAPLEWOOD AVE. STA. 9+68	CROSSING 3" MP DEO GAS LINE	
8	EASEMENT STA. 16+06	CROSSING DEO 3" PRODUCER LINE	
8	EASEMENT STA.17+96	CROSSING 6" HP DEO GAS LINE	
8	NW CORNER 37TH ST. & FORESTDALE AVE	CROSSING 2" MP DEO GAS LINE	
9	EASEMENT STA. 19+34	CROSSING 2" MP DEO GAS LINE	
9	EASEMENT STA. 23+19	CROSSING 2" MP DEO GAS LINE	
9	EASEMENT STA. 23+75	CROSSING 2" MP DEO GAS LINE	
10	EASEMENT STA. 25+08	CROSSING 6" HP DEO GAS LINE	
10	EASEMENT STA. 27+55	CROSSING 2" MP DEO GAS LINE	
11	CROSSING HIGHVIEW AVE. EASEMENT STA. 31+11	CROSSING 3" MP DEO GAS LINE	
11	CROSSING HIGHVIEW AVE. EASEMENT STA. 31+48	CROSSING 6" HP DEO GAS LINE	
13	CARNWISE AVE. STA. 42+11	CROSSING 4" MP DEO GAS LINE	
13	SW CORNER OF CARNWISE AVE. & CLEVELAND AVE. STA. 42+92	CROSSING UT, EXACT SIZE AND DEPTH UNK	
13	CARNWISE AVE. STA. 43+08	CROSSING 6" MP DEO GAS LINE	
14	CARNWISE AVE. STA. 49+07	CROSSING 2" MP DEO GAS LINE	
16	CARNWISE ST. STA. 58+10 - STA. 60+31	CROSSING WETLAND	
17	DEO EASEMENT	PROPOSED WORK WITHIN 100' OF M&R STATION.	
17	CLEVELAND AVE. STA. 3+40	CROSSING 6" MP DEO GAS LINE	
17	CLEVELAND AVE. STA. 3+55	CROSSING 2" MP DEO GAS LINE	

GENERAL ITEM - DESIGN REVIEW LIST

SHEET #	LOCATION (STREET, ESMT, ETC)	CAUTION NOTES
7	CROSSING MAPLEWOOD AVE. STA. 9+27	CROSSING 12" STM
7	CROSSING MAPLEWOOD AVE. STA. 9+45	CROSSING 12" SAN
7	CROSSING MAPLEWOOD AVE. STA. 9+64	CROSSING 12" STM
8	CROSSING 37TH ST STA. 17+50	CROSSING 12" STM
8	NW CORNER 37TH ST. & FORESTDALE AVE	CROSSING 24" STM
8	NW CORNER 37TH ST. & FORESTDALE AVE	CROSSING 12" STM
8	CROSSOVER OF FORESTDALE AVE @CL	CROSSING 8" SAN
9	EASEMENT STA. 19+31	CROSSING 12" STM
11	CROSSING HIGHVIEW AVE. EASEMENT STA. 31+26	CROSSING 8" SAN
12	SE CORNER OF HIGHVIEW AVE. & CARNWISE AVE. STA. 34+72	CROSSING 12" SD
12	SE CORNER OF HIGHVIEW AVE. & CARNWISE AVE. STA. 34+82	CROSSING 12" STM
12	SE CORNER OF HIGHVIEW AVE. & CARNWISE AVE. STA. 34+93	CROSSING 16" SAN
12	CARNWISE AVE. STA. 37+19	CROSSING 8" SAN
13	CARNWISE AVE. STA. 43+14	CROSSING 8" SAN
13	CARNWISE AVE. STA. 43+23	CROSSING 36" STM
13	CARNWISE AVE. STA. 43+66	CROSSING 12" STM
13	CARNWISE AVE. STA. 43+89	CROSSING 8" SAN
15	CARNWISE AVE. STA. 55+25	CROSSING 12" SAN
17	CLEVELAND AVE. STA. 3+42	CROSSING 8" SAN
17	CLEVELAND AVE. STA. 3+44	CROSSING 36" STM

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OHIO UTILITIES PROTECTION SERVICE
2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

CAUSE FOR PAUSE

DATE: 05.11.21
PROJECT ID#: P400146591

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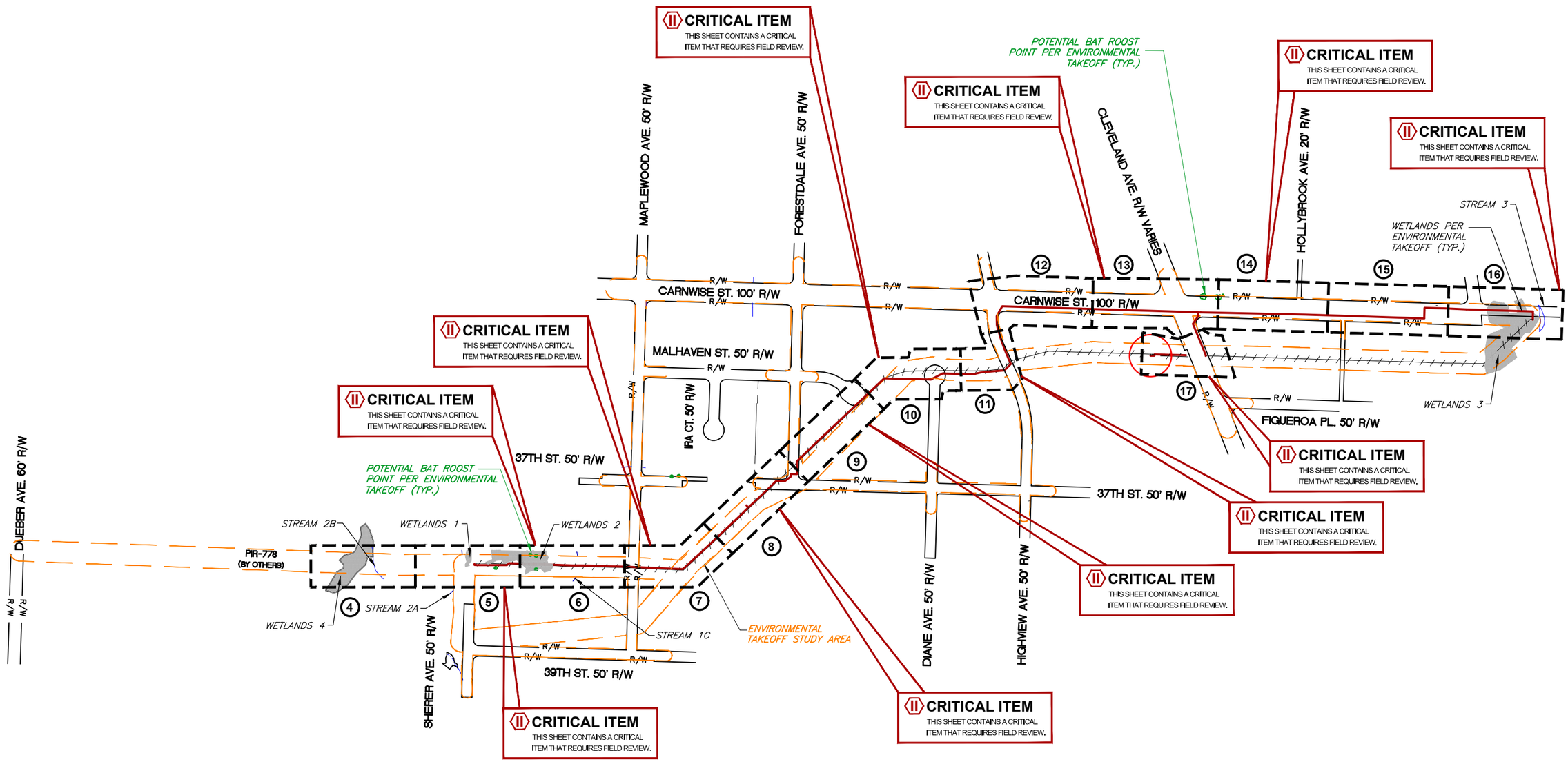

NORTH

DRAWING SCALE 0 250' 500'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

SHEET INDEX

DATE: 05.11.21

PROJECT ID#: P400146591

3
19

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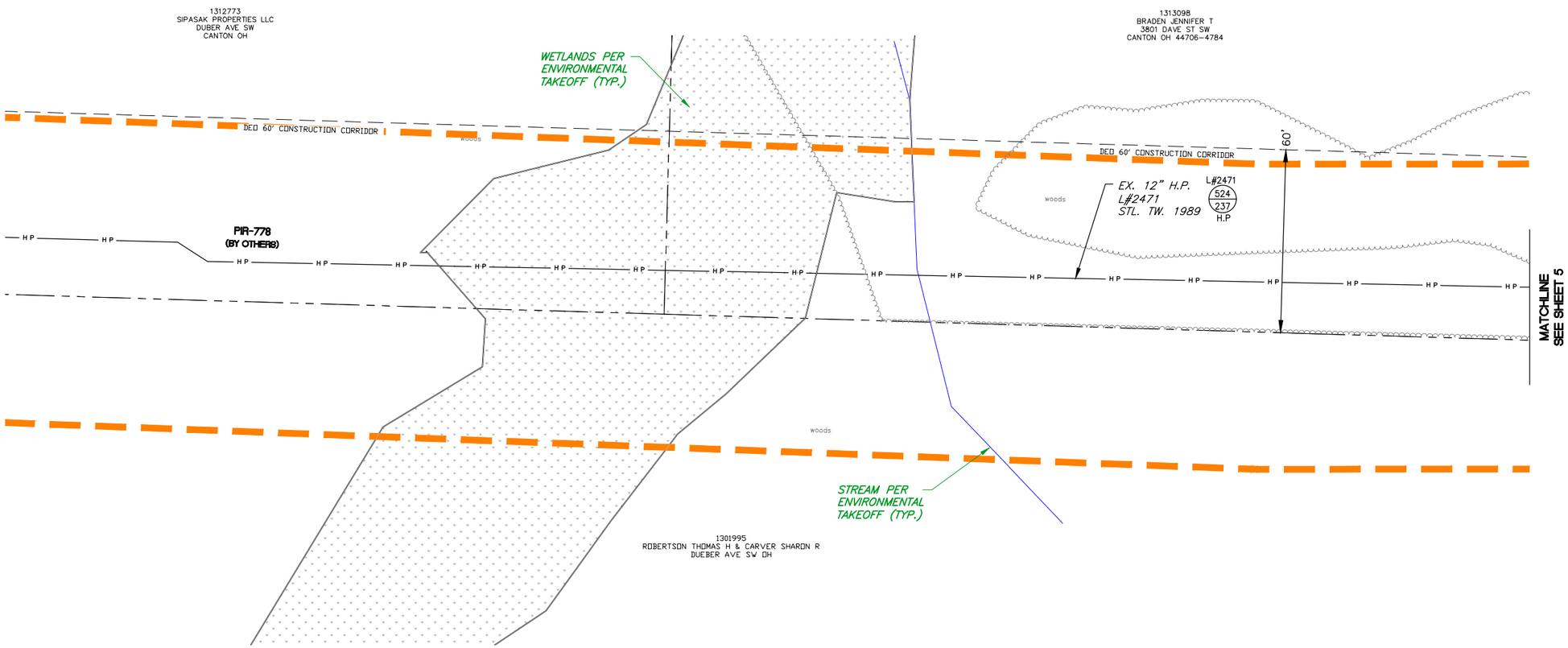

NORTH

DRAWING SCALE
0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

DEO CONSTRUCTION CORRIDOR

DATE: 05.11.21

PROJECT ID#: P400146591

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UTILITY STRUCTURES

SSMH-210
RIM 1035.16
9.76 8" SPP NE TO SSMH211 INV 1025.40
9.76 8" SPP SW INV 1025.40

GAS FEED @ TIE-IN:
DUAL

GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

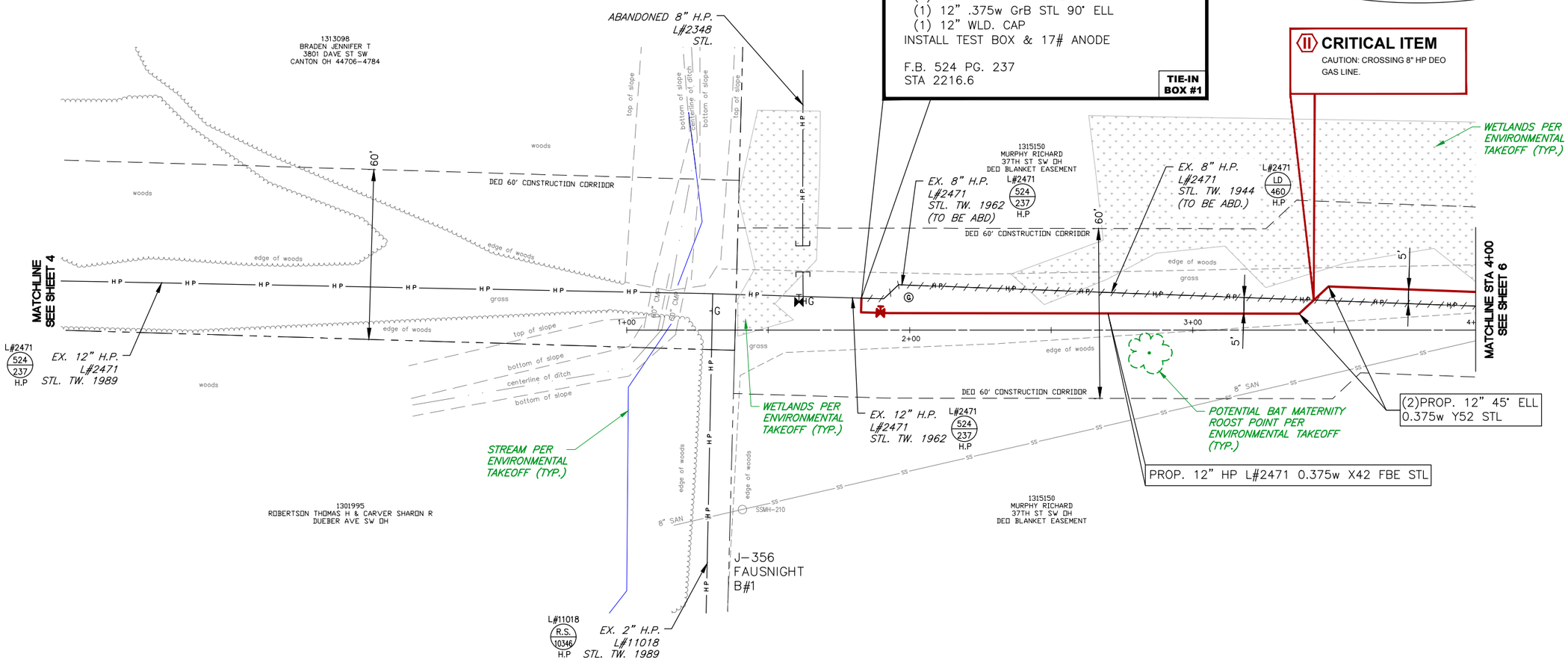
HP L# 2471 TIE-IN
CONTRACTOR TO INSTALL 12" ANSI 300
3-WAY SPHERICAL TEE & TIE COMPLETE W/
(2) 12" 300 ANSI WN FLG
(1) 12" 300 ANSI FLG-FLG GV
(1) 12" 300 ANSI INSUL. KIT
(1) 12" .375w GrB STL 90° ELL
(1) 12" WLD. CAP
INSTALL TEST BOX & 17# ANODE

F.B. 524 PG. 237
STA 2216.6

TIE-IN BOX #1

PIR
DEO EASEMENT
INSTALL 225' ~ 12" 0.375w
X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

CRITICAL ITEM
CAUTION: CROSSING 8" HP DEO GAS LINE.



NORTH

DRAWING SCALE
0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 1+00 TO STA. 4+00

DATE: 05.11.21
PROJECT ID#: P400146591

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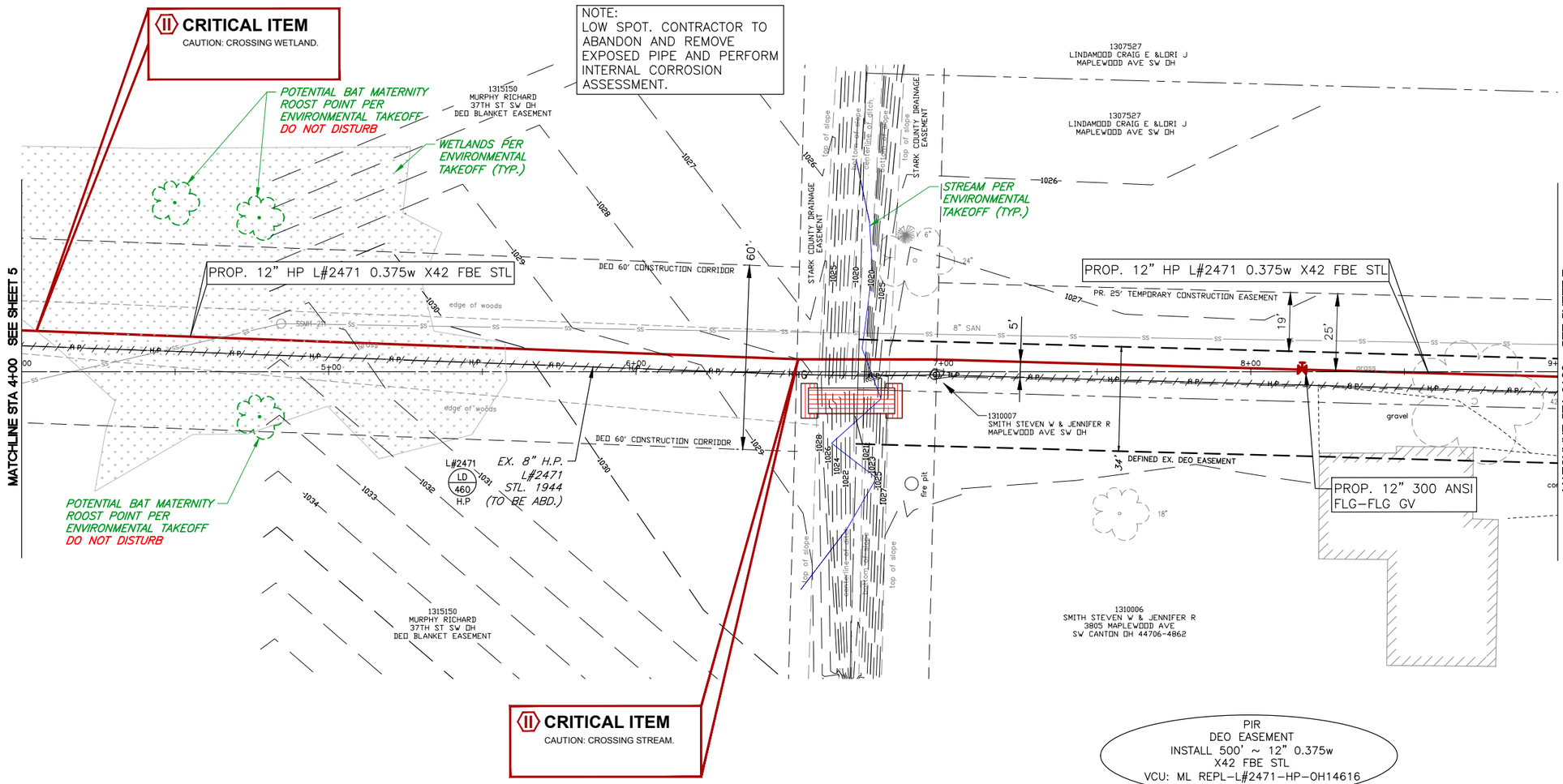
UTILITY STRUCTURES

SSMH-211
RIM 1031.36
12.95 8" SPP SW TO SSMH210 INV 1018.41
12.95 8" SPP E INV 1018.41

PROPOSED TIMBER MATTING PER DETAIL ON SHEET 19



NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave. City of Canton, Stark County

PLAN SHEET
STA. 4+00 TO STA. 9+00

DATE: 05.11.21
PROJECT ID#: P400146591

Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:05am Owner: lkaczmarek

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PIR
DEO EASEMENT
INSTALL 500' ~ 12" 0.375w
X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

UTILITY STRUCTURES

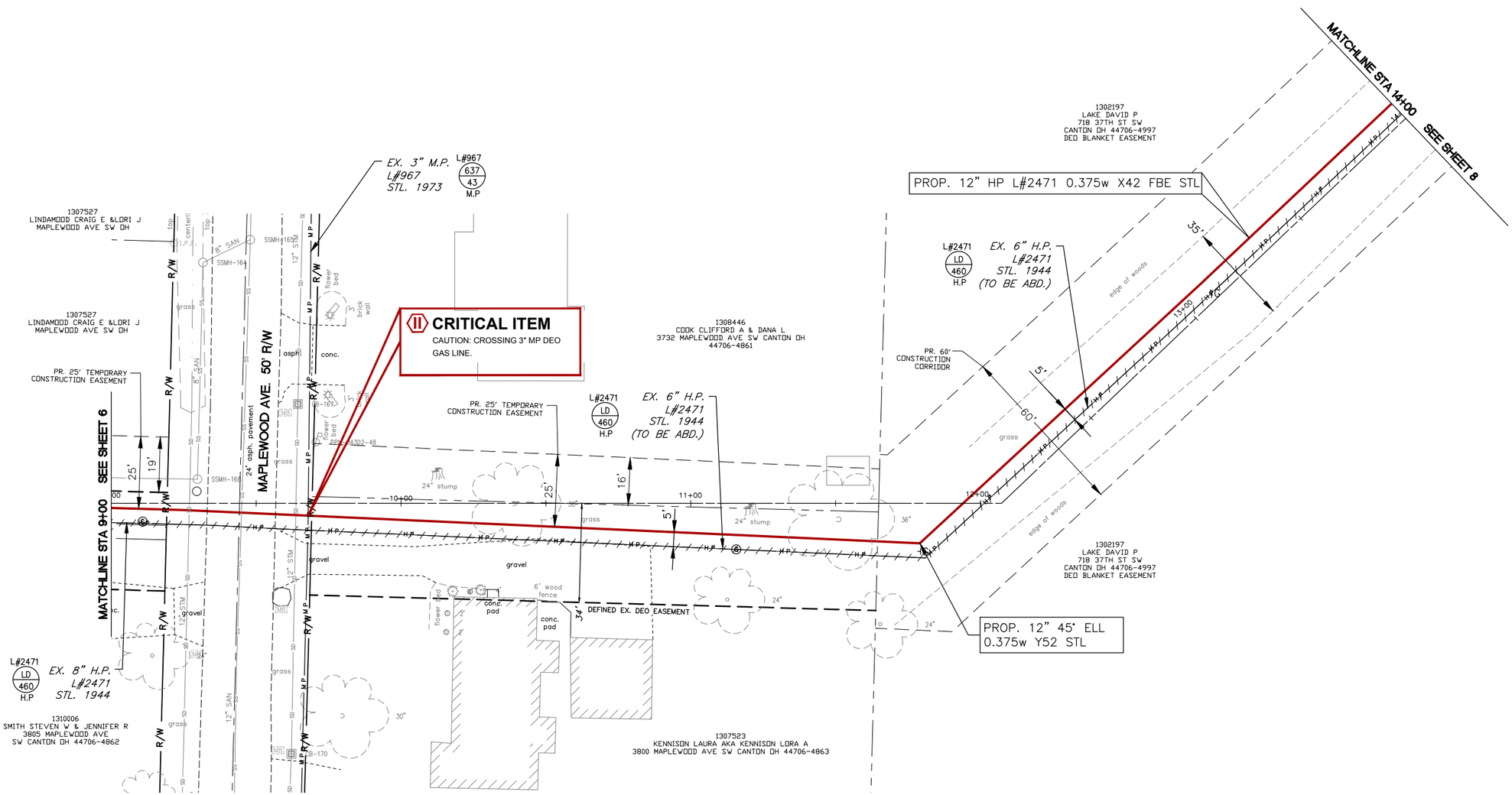
SSMH-164
RIM 1026.85
9.65 8" SPP NE TO SSMH165 INV 1017.20
9.65 8" SPP S TO SSMH168 INV 1017.20

SSMH-165
RIM 1027.19
10.11 12" SPP N TO SSMH157 INV 1017.08
10.11 12" SPP S TO SSMH172 INV 1017.08
10.11 8" SPP SW TO SSMH164 INV 1017.08

SSMH-168
RIM 1027.61
10.07 8" SPP N TO SSMH164 INV 1017.54
10.07 8" SPP W INV 1017.54

CB-167
RIM 1026.36
1.73 12"VCP N TO CBS166 INV 1024.63
1.73 12"VCP S TO CBS 170 INV 1024.63

CB-170
RIM 1027.44
FWD 0.89



NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 9+00 TO STA. 14+00

DATE: 05.11.21
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GAS FEED @ TIE-IN:
SINGLE (PRODUCER TIE)

GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

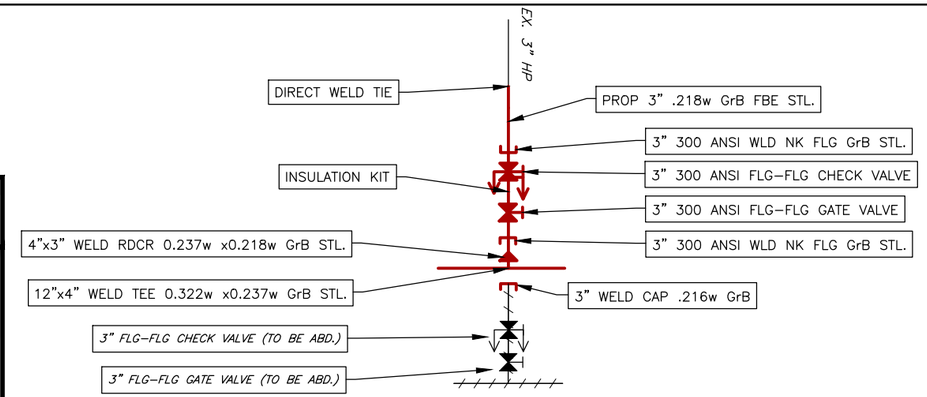
HP L# 6049 TIE-IN
CONTRACTOR TO SHUT IN PRODUCER, REMOVE A PORTION OF EXISTING PIPE & TIE COMPLETE W/

- –(1) 300 ANSI 12"x4" TEE WLD 0.375w x0.237w GrB STL.
- –(1) 300 ANSI 4"x3" RDCR 0.237w x0.218w GrB STL.
- –(2) 300 ANSI 3" WN FLG.
- –(1) 300 ANSI 3" FLG–FLG CHECK VALVE
- –(1) 300 ANSI 3" FLG–FLG GATE VALVE
- –(1) 3" INS KIT

DIRECT WELD TIE

RS
10332
INSTALL TEST WIRES & 17# ANODE

TIE-IN BOX #2



NOTE:
CONTACT PAUL ROBINSON AND ALICE REYNOLDS PRIOR TO ANY WORK ON PRODUCTION L#6049 TO VERIFY PRODUCTION WELL TAPS/ABILITY TO SHUT–IN AT WELL.

PRODUCER TIE-IN DETAIL

NO SCALE

UTILITY STRUCTURES

SSMH–135
RIM 1028.42
6.80 8" VCP N INV 1021.62
6.80 8" VCP E SSMH193 INV 1021.62
6.80 8" VCP W INV 1021.62
6.80 8" VCP S INV 1021.62

CB–131
RIM 1028.10
1.43 12"CPP E TO CBS130 INV 1026.67
3.34 18"RCP W TO CBS133 INV 1024.76

CB–132
RIM 1027.42
2.38 18"CMP E INV 1025.04
4.06 18"RCP NW TO CBS133 INV 1023.36

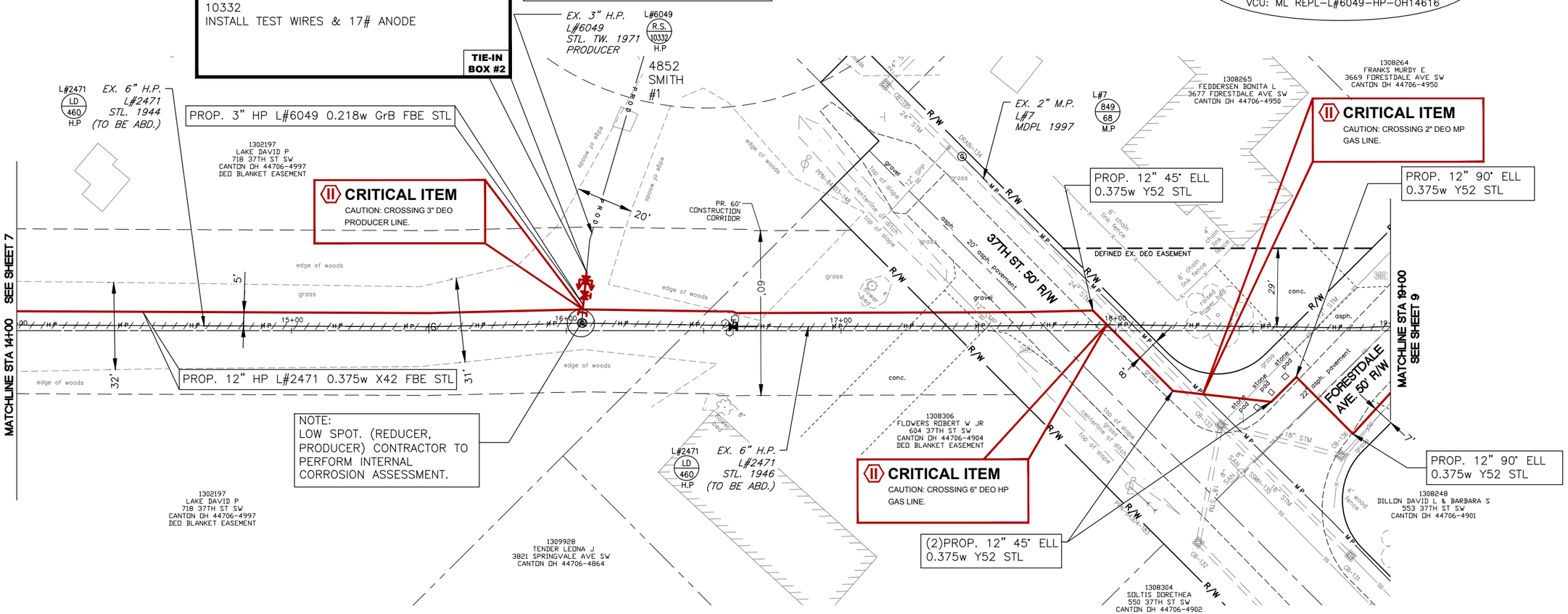
CB–133
RIM 1027.74
5.78 24"RCP W INV 1021.96
4.78 18"RCP SE TO CBS132 INV 1022.96
4.78 18"RCP E TO CBS131 INV 1022.96
4.78 18"SMP NE INV 1022.96
4.78 12"CMP N INV 1022.96

CB–136
RIM 1027.68
2.63 18"RCP SW TO CBS133 INV 1025.05
2.63 12"CMP N INV 1025.05

CB–195
RIM 1025.88
6.15 24"RCP N INV 1019.73
6.15 24"RCP E INV 1019.73

DRAIN–134
RIM 1025.58
CNO BOLTED SHUT

PIR
DEO EASEMENT
INSTALL 15' ~ 3" 0.375w
X42 FBE STL
VCU: ML REPL–L#6049–HP–OH14616



PIR
DEO EASEMENT
INSTALL 530' ~ 12" 0.375w
X42 FBE STL
VCU: ML REPL–L#2471–HP–OH14616

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 14+00 TO STA. 19+00

DATE: 05.11.21
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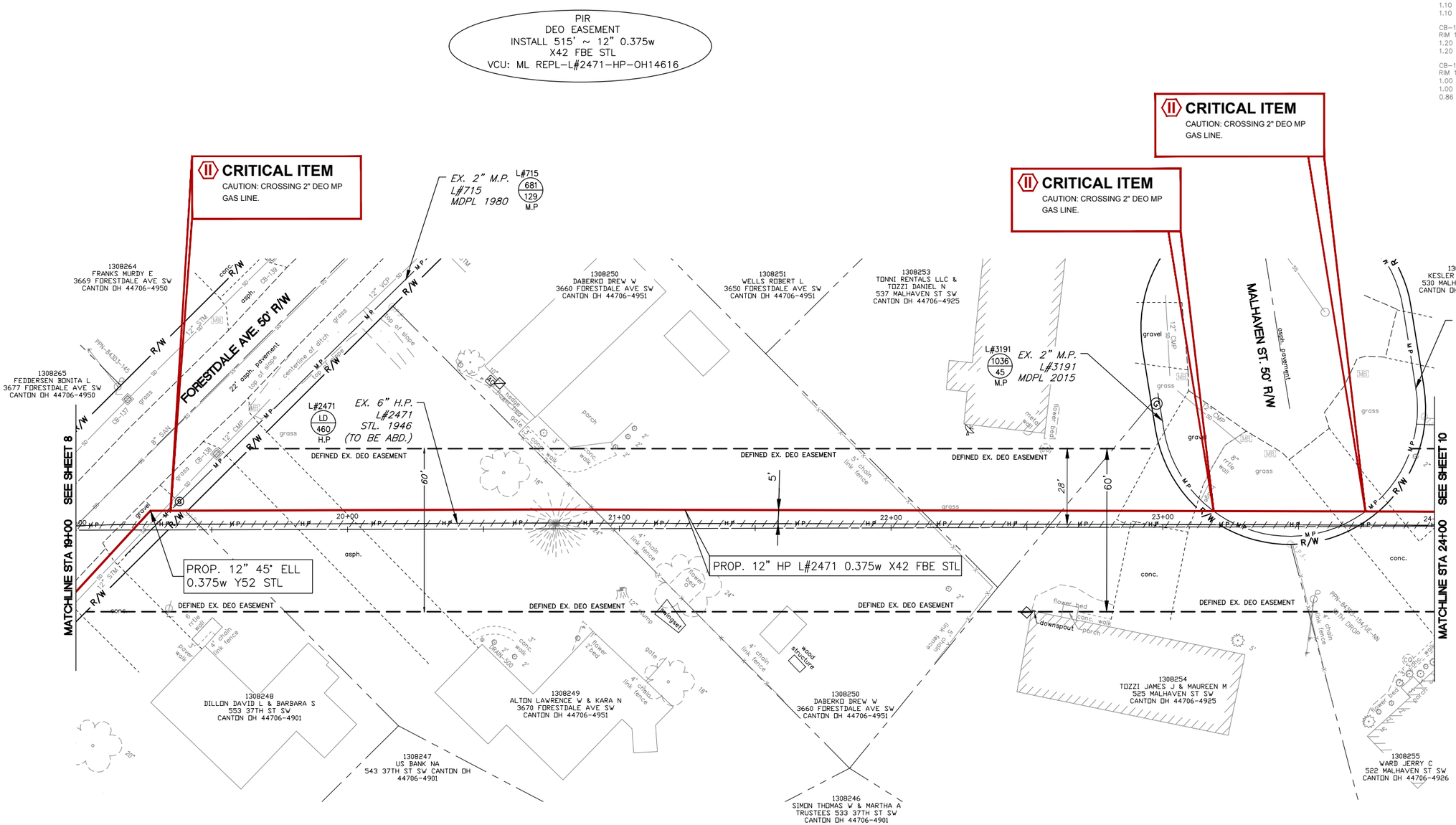
UTILITY STRUCTURES

CB-137
RIM 1027.67
1.10 12"CMP S TO CBS133 INV 1026.57
1.10 12"CPP N TO CBS139 INV 1026.57

CB-138
RIM 1027.78
1.20 12"CMP N INV 1026.58
1.20 12"CMP S INV 1026.58

CB-139
RIM 1027.93
1.00 12"CMP S TO CBS137 INV 1026.93
1.00 12"CPP N TO CBS142 INV 1026.93
0.86 4"CPP W INV 1027.07



NORTH

DRAWING SCALE
0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

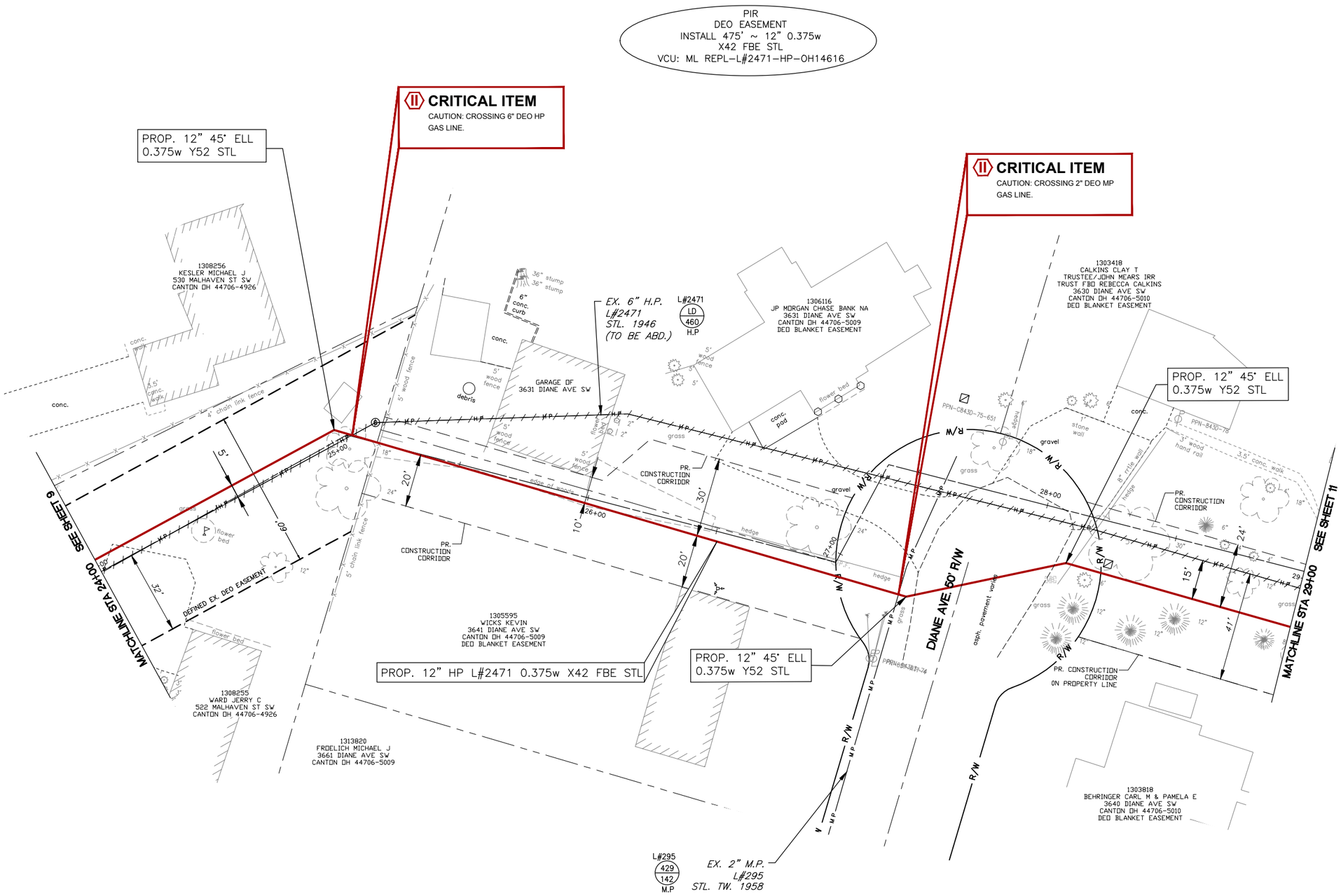
PLAN SHEET
STA. 19+00 TO STA. 24+00

DATE: 05.11.21

PROJECT ID#: P400146591

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:06am Owner: lkaczmarek

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFICIENCY, OR COMPLETENESS 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.



REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 24+00 TO STA. 29+00

DATE: 05.11.21
PROJECT ID#: P400146591

10
19

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:06am Owner: lkaczmarek

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UTILITY STRUCTURES

SSMH-107
RIM 1034.00
12.43 8" VCP NW INV 1021.57
12.43 8" VCP SE INV 1021.57

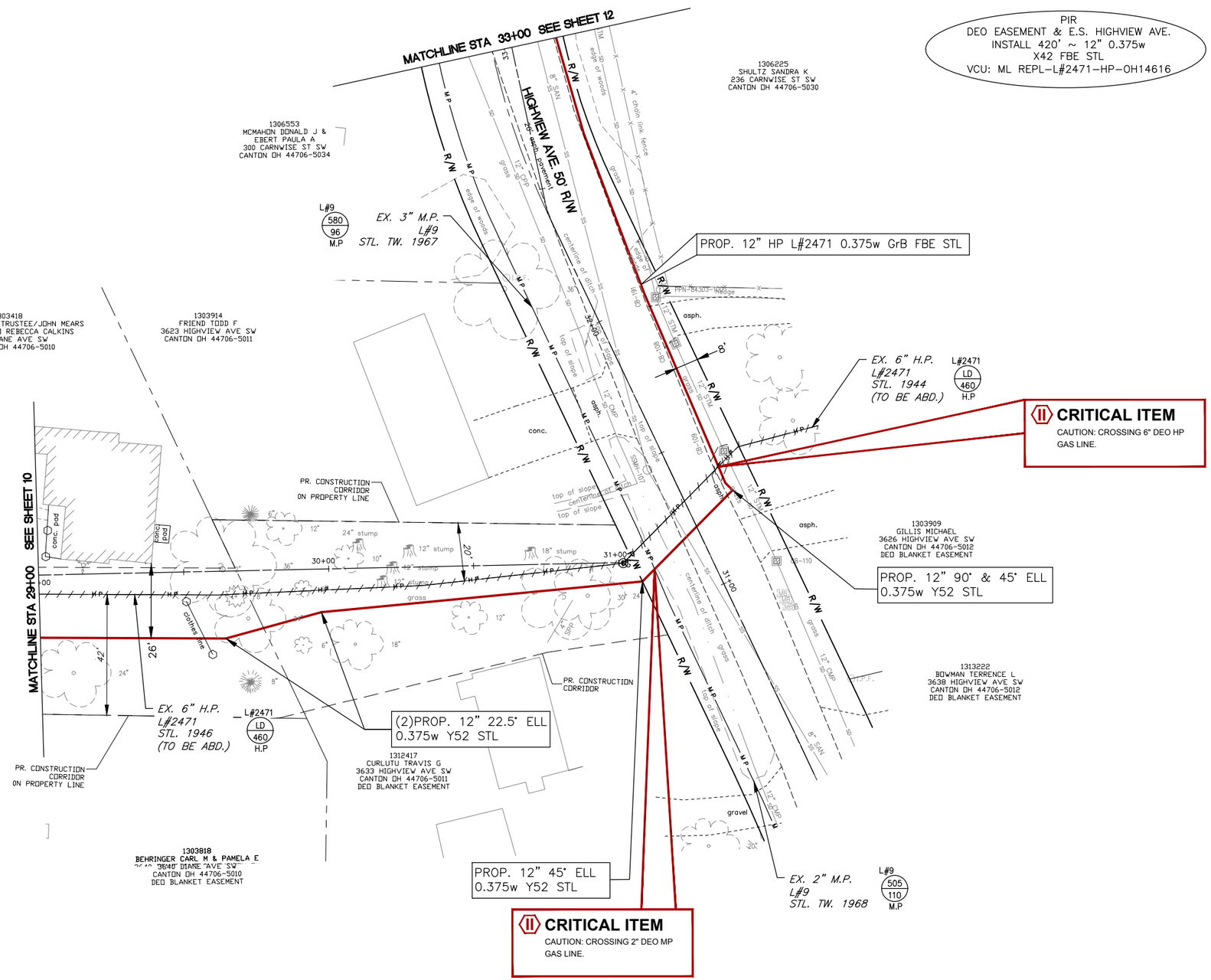
CB-106
RIM 1020.55
1.35 12"VCP N TO CBS105 INV 1019.20
1.35 12"CPP S INV 1019.20

CB-108
RIM 1029.53
1.20 12"CPP SE TO CBS109 INV 1028.33
1.20 12"CMP NW TO CBS191 INV 1028.33

CB-109
RIM 1032.55
1.24 12"CPP NW TO CBS108 INV 1031.31
1.24 12"CMP SE TO CBS110 INV 1031.31

CB-110
RIM 1036.13
1.48 12"CMP NW TO CBS109 INV 1034.65
1.48 12"CMP SE INV 1034.65

CB-191
RIM 1028.80
1.51 12"CMP SE TO CBS108 INV 1027.29
1.51 12"CPP NW INV 1027.29



NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
ALTERNATE PIPELAY

DATE: 05.11.21
PROJECT ID#: P400146591

11
19

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:06am Owner: lkaczmarek

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UTILITY STRUCTURES

SSMH32
RIM 1018.36
CNO PAVED OVER

CB 28
RIM 1017.20
1.35 12"SPP N INV 1015.85
1.35 12"CMP W INV 1015.85
1.35 12"VCP S INV 1015.85

CB 30
RIM 1017.86
1.56 12"CMP N INV 1016.30
1.56 12"VCP E INV 1016.30
1.56 12"VCP S INV 1016.30

CB 31
RIM 1017.12
1.56 12" CMP N INV 1015.56
1.56 12" CMP E INV 1015.56
1.56 12" SPP S INV 1015.56

CB 33
RIM 1017.07
1.45 12"VCP W TO CBS34 INV 1015.62
1.35 12"SPP S INV 1015.72
1.50 12"VCP N TO CBS48 INV 1015.57

CB 48
RIM 1016.89
1.40 12"VCP S TO CBS33 INV 1015.49
1.17 12"VCP N INV 1015.72
0.80 4"SPP W INV 1016.09

CB 50
RIM 1018.47
1.23 12"VCP E INV 1017.24
1.23 12"VCP W INV 1017.24

CB 51
RIM 1018.30
1.44 12"VCP E INV 1016.86
1.44 12"VCP W INV 1016.86
0.97 4"SPP N INV 1017.33

CB 52
RIM 1017.87
1.35 12"VCP E TO CBS53 INV 1016.52
1.35 12"VCP W INV 1016.52
0.75 4"SPP S INV 1017.12

CB 53
RIM 1017.79
1.35 12"VCP E TO CBS54 INV 1016.44
1.35 12"VCP W TO CBS52 INV 1016.44

CB 54
RIM 1018.11
1.30 12"SPP E INV 1016.81
1.30 12"VCP W TO CBS53 INV 1016.81
0.69 4SPP S INV 1017.42

CB 56
RIM 1018.02
1.00 12"VCP E INV 1017.02
1.00 12"VCP W INV 1017.02

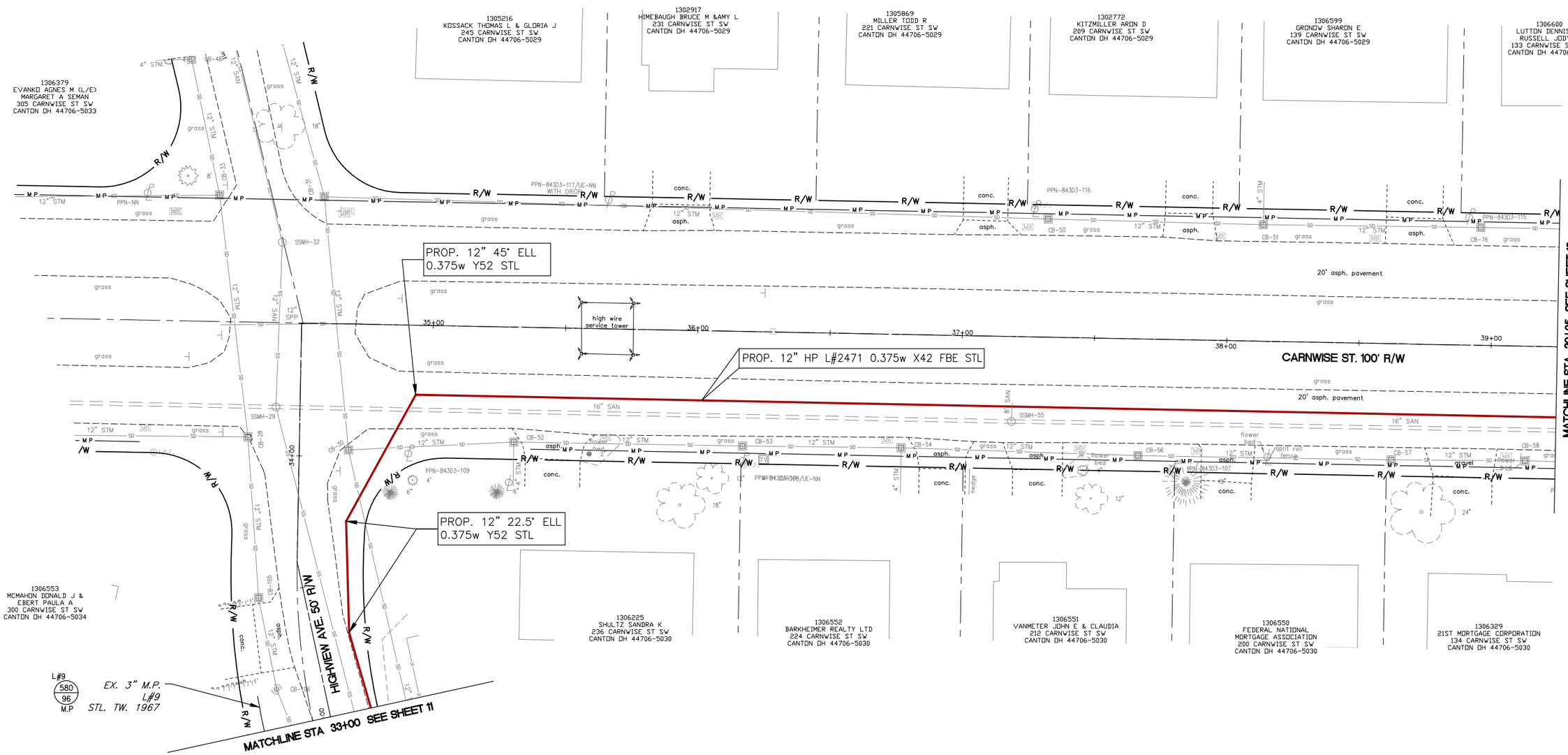
CB 57
RIM 1017.85
1.14 12"SPP E TO CBS58 INV 1016.71
1.14 12"SPP W INV 1016.71

CB 58
RIM 1017.68
1.40 12"SPP E TO CBS59 INV 1016.28
1.40 12"SPP W TO CBS 57 INV 1016.28

CB 76
RIM 1017.60
1.16 12"VCP E INV 1016.44
1.16 12"VCP W INV 1016.44

CB 105
RIM 1019.02
1.39 12"VCP N TO CBS28 INV 1017.63
1.28 12"CMP S TO CB106 INV 1017.74

CB 106
RIM 1020.55
1.35 12"VCP N TO CBS105 INV 1019.20
1.35 12"CPP S INV 1019.20



NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 33+00 TO STA. 39+25

DATE: 05.11.21

PROJECT ID#: P400146591

Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:06am Owner: lkaczmarek

PIR
S.S. CARNWISE ST.
INSTALL 375' ~ 12" 0.375w X42 FBE STL
INSTALL 105' ~ 6" 0.280w GrB FBE STL
VCU: ML REPL-L#2471-HP-OH14616

UTILITY STRUCTURES

SSMH60
RIM 1017.78
13.83 16"VCP W TO SSMH55 INV 1003.95
13.83 16"VCP E INV 1003.95

SSMH64
RIM 1014.04
11.52 16" VCP W INV 1002.52
11.52 16" VCP E INV 1002.52
11.52 8" VCP N INV 1002.52
11.52 8" VCP S INV 1002.52

SSMH80
RIM 1014.22
12.00 16"VCP W INV 1002.22
12.00 16"VCP E INV 1002.22
10.36 8"VCP S INV 1003.86
11.49 8"VCP N INV 1002.73
7.22 8"VCP N INV 1007.00

SSMH85
RIM 1016.33
9.55 8"VCP E INV 1006.78
9.55 8"VCP NW INV 1006.78

CBS59
RIM 1017.48
1.14 12"SPP E INV 1016.34
1.14 12"SPP W TO CBS58 INV 1016.34

CBS61
RIM 1014.33
2.05 12"SPP E INV 1012.28

CBS62
RIM 1014.43
3.29 15"SPP E INV 1011.14

CI63
RIM 1013.67
3.20 12" SPP W INV 1010.47
3.20 12" RCP E INV 1010.47

STMH65
RIM 1014.25
5.55 36" SPP N TO STMH68 INV 1008.70
5.55 36" SPP S INV 1008.70
4.40 12" SPP E INV 1009.85
4.40 12" SPP W TO CI63 INV 1009.85

CI66
RIM 1013.66
3.10 12" SPP W TO STMH67 INV 1010.56
3.10 12" SPP E INV 1010.56

STMH67
RIM 1014.53
6.20 36" SPP N TO STMH65 INV 1008.33
6.20 36" SPP S TO STMH87 INV 1008.33
4.30 12" SPP E TO CI66 INV 1010.23

STMH68
RIM 1014.38
5.49 36" SPP N TO STMH71 INV 1008.89
5.49 36" SPP S TO STMH65 INV 1008.89
4.60 12" SPP W INV 1009.78

CI69
RIM 1013.48
3.30 12" SPP E TO STMH68 INV 1010.18

CI70
RIM 1014.45
2.60 12" SPP SW INV 1011.85

STMH71
RIM 1015.39
6.43 36" SPP S TO STMH68 INV 1008.96
6.43 36" SPP N INV 1008.96
5.82 12" SPP E INV 1009.57
4.10 12" SPP W INV 1011.29

CBS73
RIM 1016.20
2.12 12" SPP W INV 1014.08
3.42 12" SPP NE TO CBS72 INV 1012.78

CBS74
RIM 1016.80
1.25 12"SPP W TO CBS75 INV 1015.55
1.25 12"SPP E INV 1015.55

CBS75
RIM 1017.30
1.50 12"SPP E TO CBS74 INV 1015.80
1.50 12"CMP W INV 1015.80
1.40 4"SPP NE INV 1015.90

CI77
RIM 1014.20
2.50 12"SPP SE TO CI78 INV 1011.70
2.50 12"SPP N INV 1011.70

CI78
RIM 1013.75
2.55 12"SPP NW TO CI77 INV 1011.20
2.55 12"SPP SW INV 1011.20

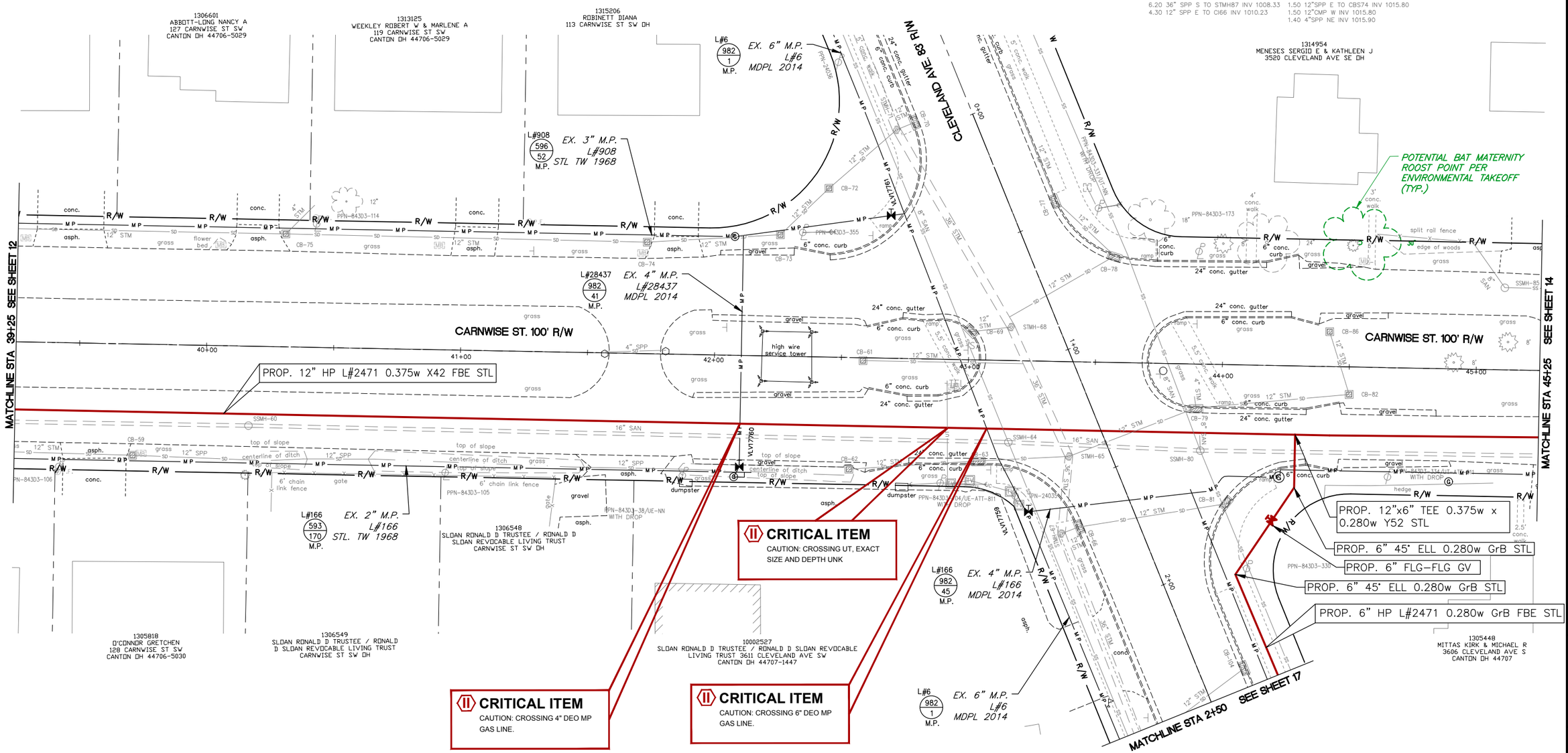
CI79
RIM 1013.52
2.70 12"SPP E TO CBS82 INV 1010.82
2.70 12"SPP W INV 1010.82
2.70 4"SPP N INV 1010.82

CI81
RIM 1013.68
1.98 12"SPP W INV 1011.70

CBS82
RIM 1015.08
2.30 12"SPP N TO CBS86 INV 1012.78
2.30 12"SPP W TO CI79 INV 1012.78

CBS86
RIM 1015.17
1.70 12"SPP S TO CBS82 INV 1013.47

CI104
RIM 1014.03
2.34 12" SPP W INV 1011.69



NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 39+25 TO 45+25

DATE: 05.11.21
PROJECT ID#: P400146591

13
19

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS 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.

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:06am Owner: lkaczmarek

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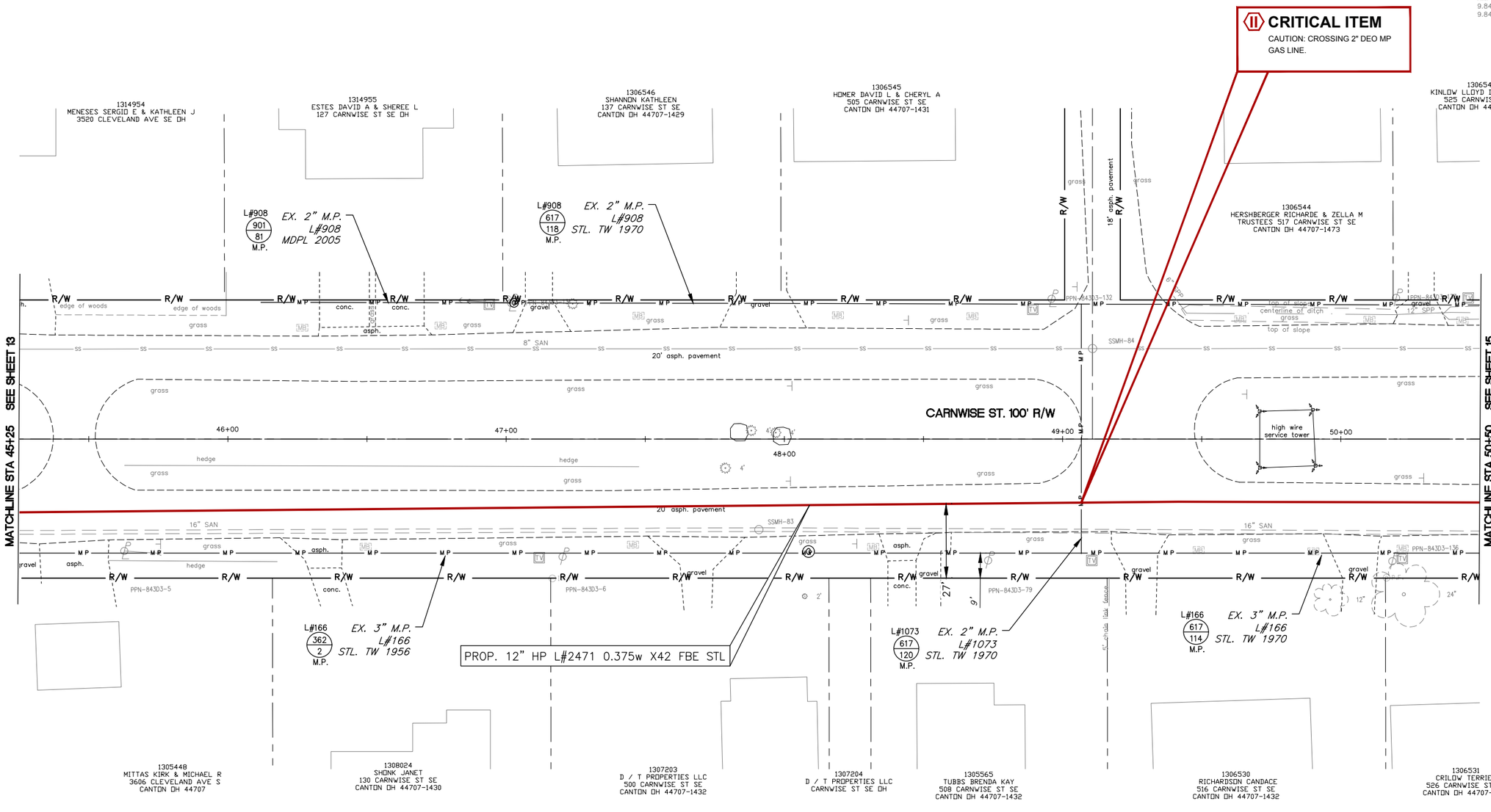
UTILITY STRUCTURES

SSMH83
RIM 1014.82
14.57 16"VCP W INV 1000.25
14.57 16"VCP E INV 1000.25

SSMH84
RIM 1014.02
9.84 8"VCP W INV 1004.18
9.84 8"VCP E INV 1004.18



PIR
S.S. CARNWISE ST.
INSTALL 525' ~ 12" 0.375w X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 45+25 TO STA. 50+50

DATE: 05.11.21
PROJECT ID#: P400146591

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:06am Owner: lkaczmarek

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UTILITY STRUCTURES

SSMH203
RIM 1005.31
7.72 16" SPP W INV 997.59
7.72 12" SPP NE TO SSMH205 INV 997.59
7.72 12" SPP N INV 997.59
7.72 10" SPP S INV 997.59

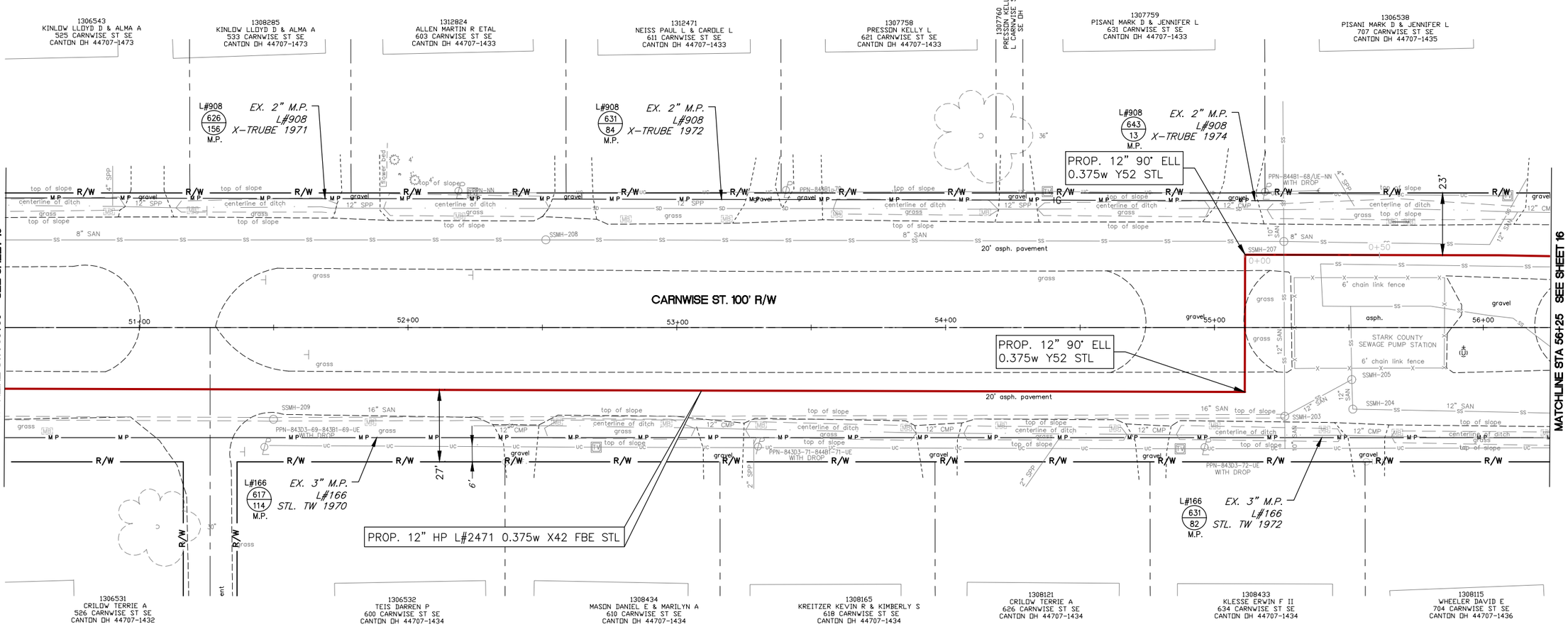
SSMH204
RIM 1004.88
9.53 12" SPP N INV 995.35
9.53 12" SPP E INV 995.35

SSMH205
RIM 1004.67
9.80 12" SPP SW TO SSMH203 INV 994.87
9.80 12" SPP N INV 994.87
8.03 12" SPP S INV 996.64

SSMH207
RIM 1005.50
7.97 12" SPP S INV 997.53
7.97 10" SPP N INV 997.53
7.60 8" VCP E INV 997.90
7.60 8" VCP W TO SSMH208 INV 997.90

SSMH208
RIM 1011.47
9.50 8" VCP E TO SSMH207 INV 1001.97
9.50 8" VCP W INV 1001.97

SSMH209
RIM 1012.02
12.85 16" SPP E INV 999.17
12.85 16" SPP W INV 999.17



PIR
S.S., X-OVER, N.S. OF CARNWISE ST.
INSTALL 625' ~ 12" 0.375w X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 50+50 TO STA. 56+25

DATE: 05.11.21
PROJECT ID#: P400146591

15
19

Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:07am Owner: lkaczmarek

UTILITY STRUCTURES

SSMH206
RIM 1003.22
6.18 12" SPP W TO SSMH204 INV 997.04
6.18 10" SPP S INV 997.04

GAS FEED @ TIE-IN:
DUAL

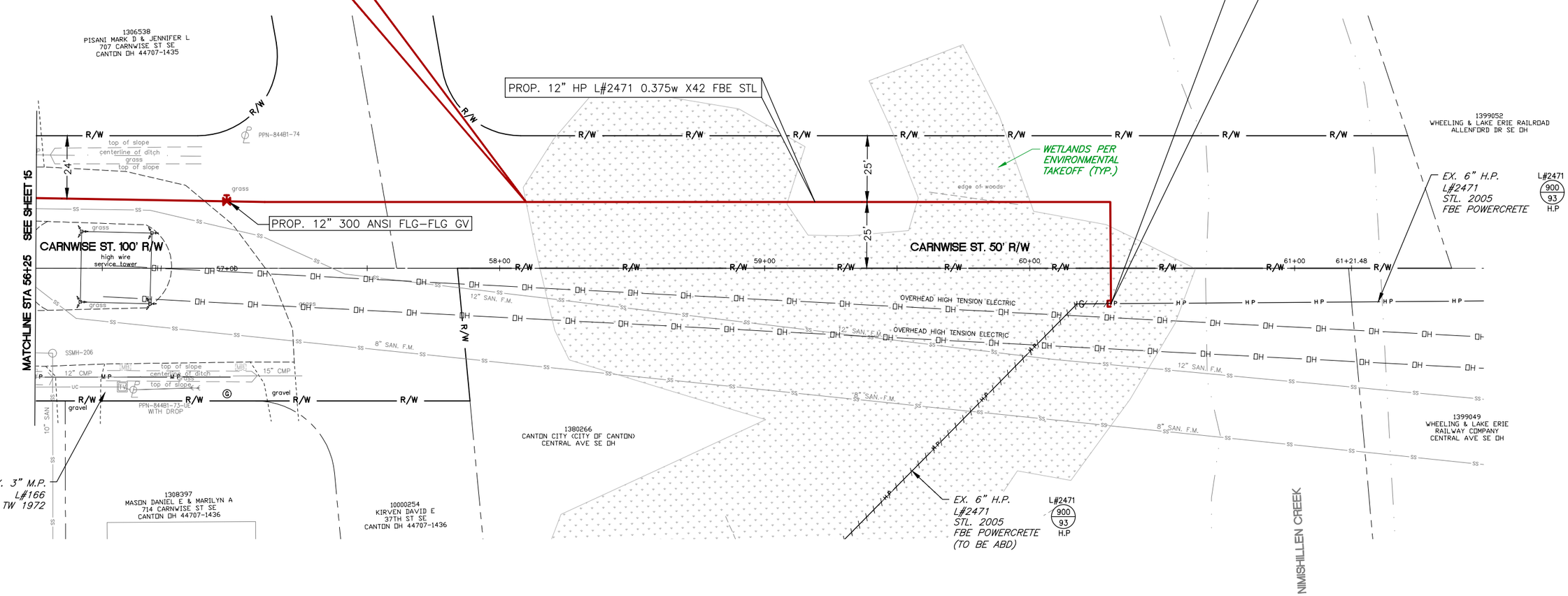
GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

HP L# 2471 TIE-IN
CONTRACTOR TO INSTALL 6" ANSI 300 3-WAY SPHERICAL TEE & TIE COMPLETE W/
(2) 6" 300 ANSI WN FLG
(1) 6"x12" .280w x .375w Y52 RDCR.
(1) 12" 300 ANSI INSUL. KIT
(1) 12" Y52 STL 90° ELL
(1) 6" WLD CAP
INSTALL TEST BOX & 17# ANODE

F.B. 900 PG. 93
STA 2+57.6

TIE-IN BOX #3

CRITICAL ITEM
CAUTION: CROSSING WETLAND.



PIR
N.S. & X-OVER OF CARNWISE ST.
INSTALL 445' ~ 12" 0.375w X42 FBE STL
VCU: ML REPL-L#2471-HP-OH14616

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

PLAN SHEET
STA. 56+00 TO STA. 61+00

DATE: 05.11.21
PROJECT ID#: P400146591

16
19

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Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:07am Owner: lkaczmarek

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UTILITY STRUCTURES

SSMH-93
RIM 1014.87
10.08 8"VCP N INV 1004.79
10.08 8"VCP S INV 1004.79

STMH-87
RIM 1014.64
6.75 36"SPP N TO STMH67 INV 1007.89
6.75 36"SPP S TO STMH91 INV 1007.89
4.41 12"SPP E TO STMH88 INV 1010.23
5.65 12"SPP SW INV 1008.99

STMH-91
RIM 1014.56
7.34 36"SPP N TO STMH87 INV 1007.22
7.34 36"RCP S TO STMH94 INV 1007.22
4.00 12"SPP E TO CI92 INV 1010.56
4.00 12"SPP W TO DRAIN90 INV 1010.56

CI-88
RIM 1013.86
3.25 12"SPP W TO STMH87 INV 1010.61
3.25 12"SPP E INV 1010.61

CI-92
RIM 1013.89
3.02 12"SPP W TO STMH91 INV 1010.87
3.02 12"RCP E INV 1010.87

CI-103
RIM 1014.05
2.80 12" SPP W INV 1011.25

DRAIN-89
RIM 1013.13
1.97 12"SPP NW INV 1011.16

DRAIN-90
RIM 1015.57
CNO BOLTED DOWN

GAS FEED @ TIE-IN:
GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

HP L# 2471 TIE-IN
CONTRACTOR TO INSTALL 6" ANSI 300 3-WAY SPHERICAL TEE & TIE COMPLETE W/
-(2) 6" 300 ANSI WN FLG
-(1) 6" 300 ANSI INS KIT
-(1) 6" FLG-FLG GATE VALVE
-(1) 6" WLD CAP
15.1' – WWPL CLEVELAND AVE.
4.0' – SNPL DEO EASEMENT
FB. 982 PG. 177
STA. 0+93
(CORROSION NOTE)
TIE-IN BOX #4

GAS FEED @ TIE-IN: SINGLE
GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

MP L# 5 TIE-IN
CONTRACTOR TO INSTALL DOUBLE BYPASS & TIE COMPLETE W/ 8"X6" RDCR MDPL AND 6" EF CPLG.

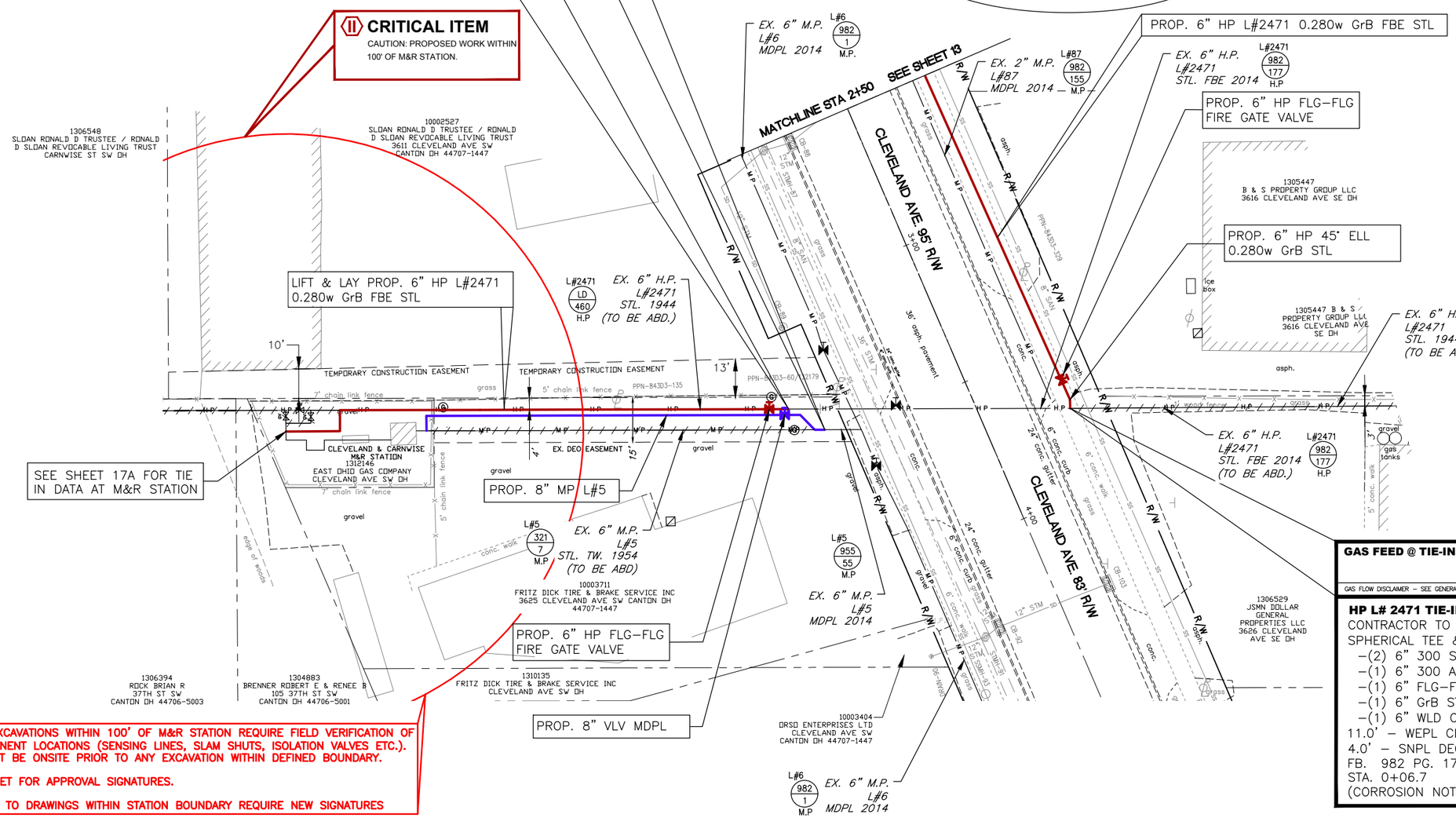
11' SNPL 3625 CLEVELAND AVE. SW
7' WWPL CLEVELAND AVE
FB. 982 PG. 55
FB. STA 93
TIE-IN BOX #5

PIR
DEO EASEMENT
INSTALL 145' ~ 6" 0.280w GrB FBE STL
VCU: ML REPL-L#2471-HP-OH14616

PIR
DEO EASEMENT
INSTALL 135' ~ 8" MDPL
INSTALL 5' ~ 6" 0.280w GrB FBE STL
VCU: ML REPL-L#5-MP-OH14616

LIFT & LAY
PIR
DEO EASEMENT
INSTALL 155' ~ 6" 0.280w GrB FBE STL
VCU: ML REPL-L#2471-HP-OH14616

CRITICAL ITEM
CAUTION: PROPOSED WORK WITHIN 100' OF M&R STATION.



GAS FEED @ TIE-IN:
GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

HP L# 2471 TIE-IN
CONTRACTOR TO INSTALL 6" ANSI 300 3-WAY SPHERICAL TEE & TIE COMPLETE W/
-(2) 6" 300 SI WN FLG
-(1) 6" 300 ANSI INS KIT
-(1) 6" FLG-FLG GATE VALVE
-(1) 6" GrB STL 45° ELL
-(1) 6" WLD CAP
11.0' – WEPL CLEVELAND AVE.
4.0' – SNPL DEO EASEMENT
FB. 982 PG. 177
STA. 0+06.7
(CORROSION NOTE)
TIE-IN BOX #6

CAUTION: ALL EXCAVATIONS WITHIN 100' OF M&R STATION REQUIRE FIELD VERIFICATION OF CRITICAL COMPONENT LOCATIONS (SENSING LINES, SLAM SHUTS, ISOLATION VALVES ETC.). DEO GM&R MUST BE ONSITE PRIOR TO ANY EXCAVATION WITHIN DEFINED BOUNDARY.

SEE COVER SHEET FOR APPROVAL SIGNATURES.

*** ANY CHANGES TO DRAWINGS WITHIN STATION BOUNDARY REQUIRE NEW SIGNATURES**

NORTH

DRAWING SCALE 0 20' 40'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

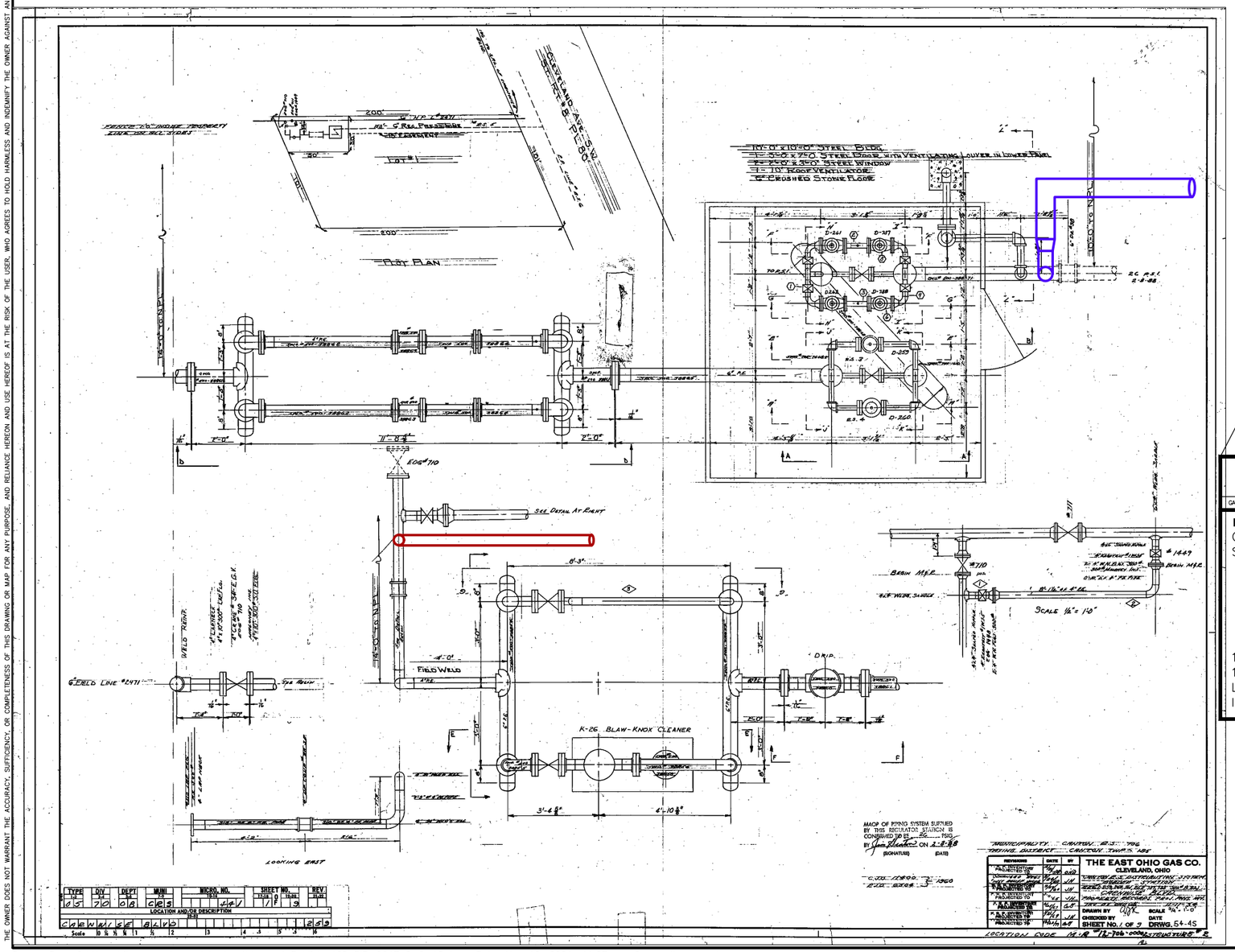
PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

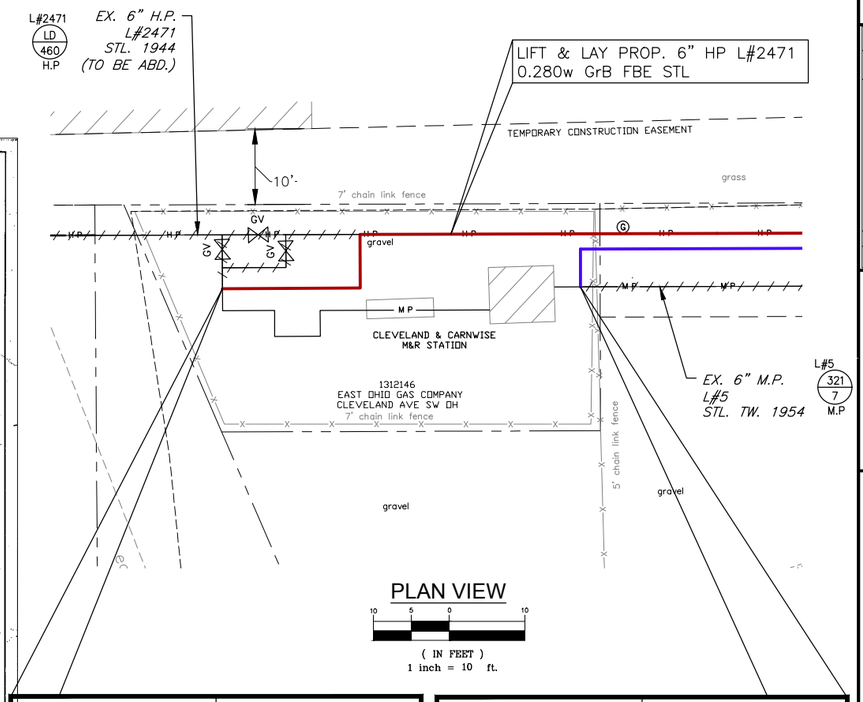
PLAN SHEET
STA. 2+50 TO STA. 4+00

DATE: 05.11.21
PROJECT ID#: P400146591

Source Dwg: C:\Users\lkaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:07am Owner: lkaczmarek

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFICIENCY, OR COMPLETENESS 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.





GAS FEED @ TIE-IN: SINGLE

GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

HP L# 2471 TIE-IN

CONTRACTOR TO INSTALL 4" ANSI 300 3-WAY SPHERICAL TEE & TIE COMPLETE W/
- (4) 4" 300 ANSI WN FLG.
- (1) 6"x4" RDCR 0.280w x0.237w Y52 STL.
- (1) 6" 300 ANSI INS KIT
- (1) 6" FLG-FLG GATE VALVE
- (2) 6" GrB STL 90° ELL
- (1) 4" WLD CAP

11' SNPL 3625 CLEVELAND AVE. SW
189' WWPL CLEVELAND AVE.
LD 460 PG. 3 STA 52+59 (APPROX.)
INSTALL TEST BOX & 17# ANODE

TIE-IN BOX #7

GAS FEED @ TIE-IN: SINGLE

GAS FLOW DISCLAIMER – SEE GENERAL NOTES PAGE

MP L# 5 TIE-IN

CONTRACTOR TO INSTALL:
- (1) 6" 150 ANSI SHORTSTOP TEE
- ~2' OF 6" 0.280 GrB FBE STL
- (1) 6" GrB STL 90° ELL
- (1) 8"x6" RDCR 0.322w x0.280w GrB STL.
- (1) 8" 0.322w TRANSITIONAL PIECE GrB STL

11' SNPL 3625 CLEVELAND AVE. SW
142' WWPL CLEVELAND AVE.
FB 321 PG. 7 FB STA 229.0 (APPROX.)
INSTALL TEST BOX & 17# ANODE

TIE-IN BOX #8

NORTH

DRAWING SCALE 0 10' 20'

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave. City of Canton, Stark County

M&R STATION DETAIL

DATE: 05.11.21

PROJECT ID#: P400146591

17A / 19

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:07am Owner: lkaczmarek

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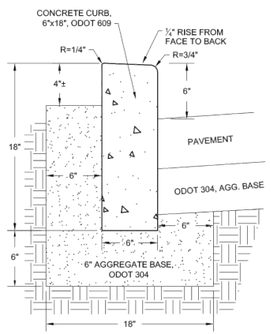
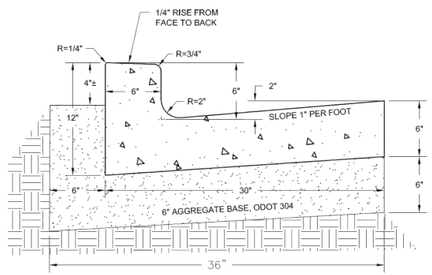
CANTON TYPE 1 STANDARD CONCRETE CURB



CANTON TYPE 2 STANDARD CONCRETE COMBINED CONCRETE & GUTTER



NOTES:

1. CURB CONSTRUCTION MUST TO CONFORM TO ODOT 609 AND THE CURRENT CITY OF CANTON SPECIFICATIONS FOR THE CONSTRUCTION, REPAIR, AND REPLACEMENT OF SIDEWALKS, CURBS, AND DRIVEWAYS.
2. CONCRETE MATERIAL FOR CURB AND WALK MUST BE ODOT 499 CLASS 'C' CONCRETE WITH LIMESTONE AGGREGATE.
3. NO FOUNDRY SAND OR SLAG PERMITTED IN AGGREGATE BASE, ODOT 304.
4. CURB CONTRACTION JOINT MUST BE SPACED 10 FEET TYPICALLY; WALK CONTRACTION JOINTS MUST BE SPACED 5 FEET TYPICALLY, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. CURB EXPANSION JOINTS MUST BE INSTALLED AT CURB INLET CATCH BASIN AND AT ANY OTHER RIGID STRUCTURES. CURB EXPANSION AND CONSTRUCTION JOINTS MUST BE DOWLED WITH TWO (2) #5 THRU #8 SMOOTH BARS, 18" LONG, EXTENDING 9" INTO EACH CURB.
5. CONCRETE WALK REPLACED OR INSTALLED ADJACENT TO EXISTING CONCRETE CURB MUST BE DOWELED TO THE EXISTING CURB, UNLESS DETERMINED OTHERWISE BY THE CITY ENGINEER (SEE CITY STD. DWG. 29).
6. ODOT REFERENCES ARE FROM THE CURRENT ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. ANY DISCREPANCIES SHALL BE SUBJECT TO THE CITY ENGINEER'S DISCRETION.
7. **ODOT CURB TYPE 6 AND TYPE 2 (ODOT STD CONST. DWG. BP-5.1) ARE ACCEPTABLE OPTIONS RESPECTIVELY TO CITY STANDARD CURB TYPE 1 AND 2 FOR NEW ROADWAY OR CITY PROJECTS, AS APPROVED BY THE CITY ENGINEER. WHEN A CANTON CURB TYPE ABUTS AN ODOT CURB TYPE, THE CONTACTOR MUST TRANSITION THE CURB FACE AND TOP TO MATCH THE EXISTING CURB FACE AND TOP WITHIN A 4' LENGTH, BUT NOT LESS THAN 1' LENGTH.**

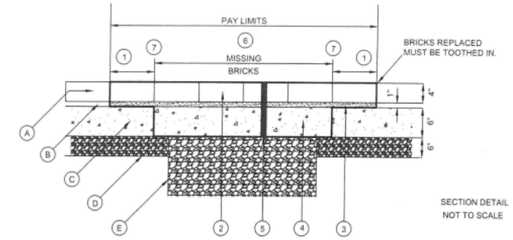
OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

APPROVED DATE: MAR 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_30.dwg

REVISIONS		
DESCRIPTION	DATE	BY

STANDARD DRAWING NO. 30
CONCRETE CURB AND COMBINED CURB & GUTTER
SHEET 1 OF 1

EXISTING BRICK SURFACE PAVEMENT REPAIR



(A) EXISTING BRICK PAVERS
(B) EXISTING SAND BEDDING LAYER
(C) EXISTING CONCRETE BASE - DEPTH AND TYPE VARIES
(D) EXISTING AGGREGATE BASE
(E) EXISTING RANDOM MATERIAL. SUB-GRADE OR FOR NEW TRENCH COMPACTED TYPE I BACKFILL TRENCH REPAIR PER CITY STD. DWG. 19 - ODOT 304 OR 613.

ODOT REFERENCES ARE FROM THE CURRENT ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS. ANY DISCREPANCIES SHALL BE SUBJECT TO THE CITY ENGINEER'S DISCRETION.

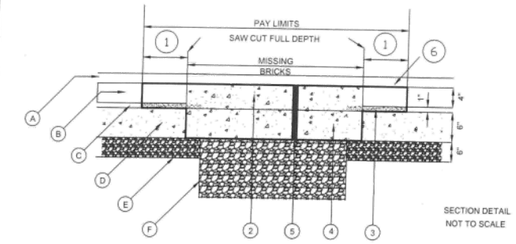
NO FOUNDRY SAND OR SLAG PERMITTED IN AGGREGATE BASE, ODOT ITEM 304, OR LOW STRENGTH MORTAR BACKFILL, ODOT ITEM 613.

PAVEMENT REPLACEMENT SECTION PAYMENT IS FOR CITY PROJ. REPAIR AREAS, PAYMENT INCLUDED IN COST OF PIPE FOR NEW TRENCH.

(1) VARIES, 0" TO 12" MAX - EX. BRICK TO BE REMOVED AND RESET AS NEEDED, TO ACCESS EX. CONC. BASE. DO NOT SAW CUT BRICK.
(2) REPLACE/RESET 4" X 8" BRICK PAVERS, SEE NOTE SHT. 2/2 FOR CITY PROVIDED BRICK.
(3) 1" CONCRETE SAND/CEMENT (3:1) BED 703.02 ASTM C-33
(4) 6" CONCRETE BASE, CLASS "C", ODOT ITEM 305
(5) BRICK PAVEMENT REPLACEMENT SECTION PAYMENT ONLY FOR REPAIR AREAS, PAYMENT INCLUDED IN COST OF PIPE FOR NEW TRENCH.
(6) BROOM SURFACE W/ TECHNI-SEAL POLYMERIC SAND OR EQUAL TO FILL JOINTS. PLATE TAMP W/ MATT PROTECTION & DAMPEN PER MF'G. SPEC.
(7) FOR BRICK PAVEMENT REPAIR SAW CUT A CLEAN EDGE FULL DEPTH TO REMOVE FAILED CONC. BASE AND/OR FAILED AGG. BASE AS DIRECTED .

FOR NEW TRENCH PER STD. DWG 19, SAW CUT FULL DEPTH TO THE LIMITS SHOWN.

EXISTING ASPHALT OVER BRICK PAVEMENT SURFACE REPAIR



(A) EXISTING ASPHALT SURFACE
(B) EXISTING BRICK PAVERS
(C) EXISTING SAND BEDDING LAYER
(D) EXISTING CONCRETE BASE - DEPTH AND TYPE VARIES
(E) EX. AGGREGATE BASE
(F) EX. RANDOM MAT'L. SUB-GRADE OR FOR NEW TRENCH COMPACTED TYPE I BACKFILL TRENCH REPAIR PER CITY STD. DWG 19 - ODOT 304(M) OR 613(M) LSM. LOW STRENGTH MORTAR

PAVEMENT REPLACEMENT SECTION PAYMENT IS FOR CITY PROJ. REPAIR AREAS, PAYMENT INCLUDED IN COST OF PIPE FOR NEW TRENCH.

(1) VARIES, 0" TO 12" MAX - EX. BRICK TO BE REMOVED AND RESET AS NEEDED, TO TOOTH IN & ACCESS EX. CONC. BASE. SAW CUT BRICK IF NEEDED.
(2) CONCRETE BASE, CLASS "C", ODOT ITEM 305 TO TOP OF BRICK
(3) REMOVE EXISTING SAND BED BETWEEN BRICK
(4) EXCAVATE FOR MINIMUM 6" CONCRETE BASE
(5) CONCRETE BASE, CLASS "C", ODOT ITEM 305, REPLACEMENT SECTION
(6) ASPHALT REPLACEMENT (IN KIND DEPTH) MAXIMUM 2" SURFACE COURSE, ODOT 448 TYPE I, OVER INTERMEDIATE COURSE, ODOT 448 TYPE I, AS NEEDED FOR IN KIND ASPHALT SECTION (ASPHALT SURFACE MUST BE "IN KIND" - OTHER THAN 448 MAY BE REQUIRED) ASPHALT TO EXTEND TO A NEAT SAW-CUT LINE. SEAL EDGES WITH ASTM D-3405 HOT OR ASTM C-90 COLD ASPHALT CEMENT.

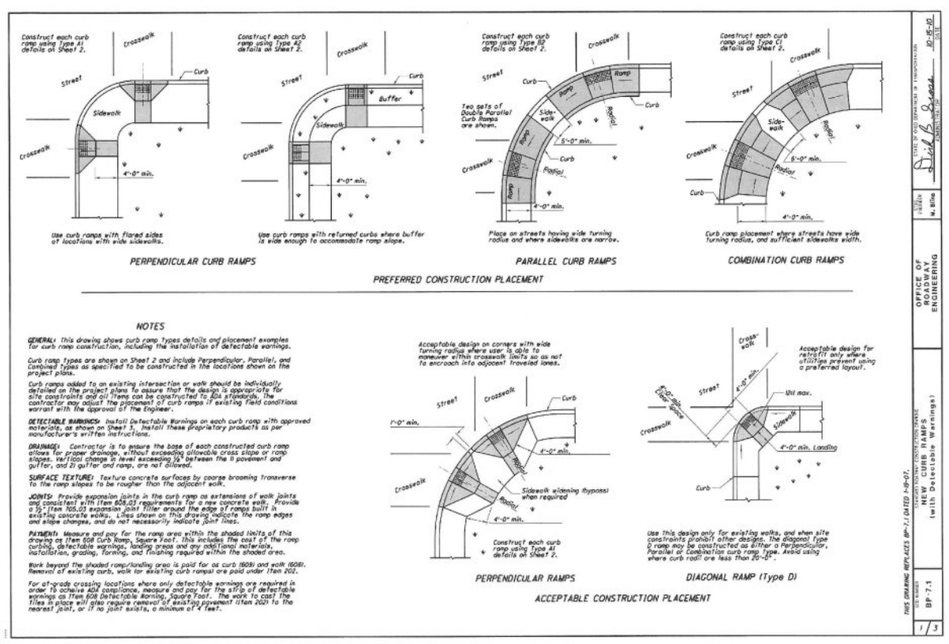
ALL RESTORATION/REPLACEMENT WORK TO BE AS DIRECTED AND APPROVED BY THE ENGINEER

OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

APPROVED DATE: JAN 2012
APPROVED BY: CDB, RMB, SLH
DRAWING FILE NAME: ce_31.dwg

REVISIONS		
DESCRIPTION	DATE	BY
CONSISTENCY REVIEW	2/1/13	JTD

STANDARD DRAWING NO. 31
PAVEMENT REPAIR
SHEET 1 OF 2



THE CITY'S STANDARD WHEEL CHAIR RAMP IS THE ODOT BP-7.1 WITH THE MODIFICATIONS NOTED. *SEE SHEET 4 OF 4 FOR CITY'S APPROVED TRUNCATED DOME PRODUCTS.*

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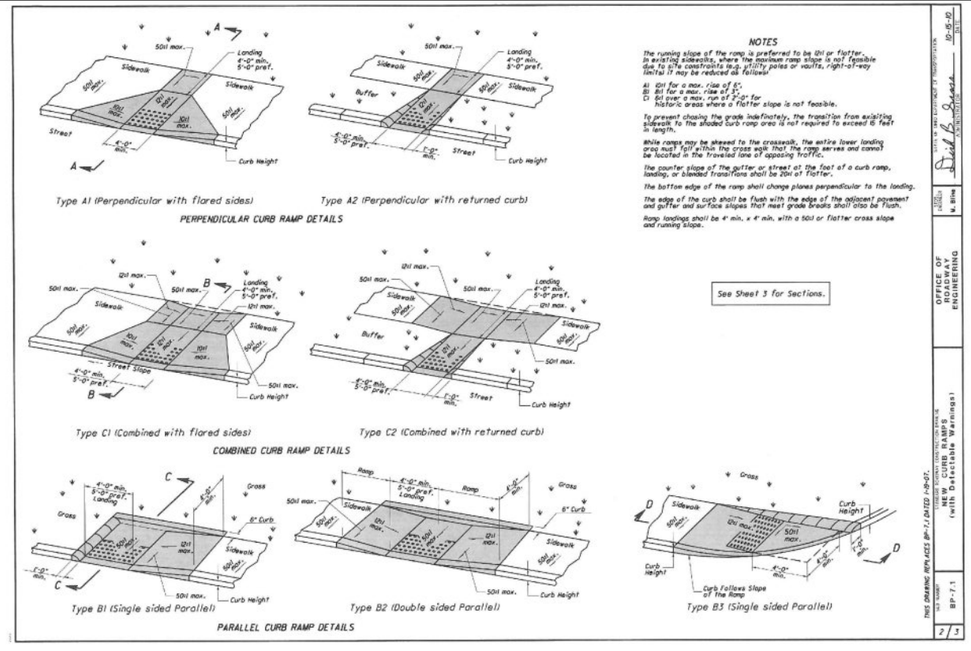
APPROVED DATE: MAY 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_33.dwg

REVISIONS		
DESCRIPTION	DATE	BY
REVISIONS	6/29/12	RMB

STANDARD DRAWING NO. 33
WHEEL CHAIR RAMP
SHEET 1 OF 4



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APPROVED DATE: MAY 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_33.dwg

REVISIONS		
DESCRIPTION	DATE	BY
REVISIONS	6/29/12	RMB

STANDARD DRAWING NO. 33
WHEEL CHAIR RAMP
SHEET 2 OF 4

OHIO UTILITIES PROTECTION SERVICE
2 WORKING DATS
BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764

REV #	DESCRIPTION	DATE	BY

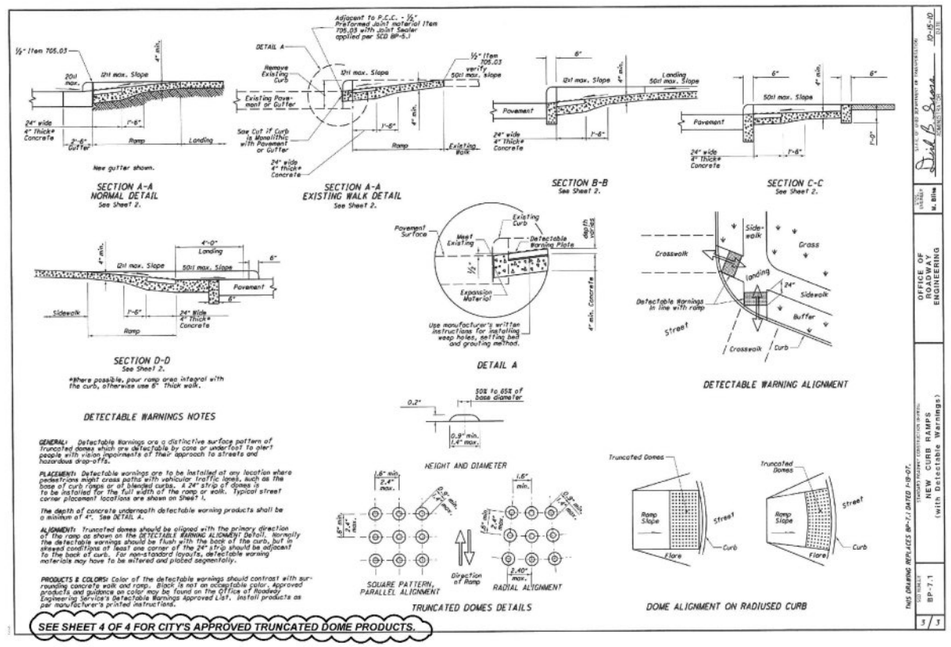
Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

DETAILS

DATE: 05.11.21
PROJECT ID#: P400146591

Source Dwg: C:\Users\ikaczmarek\appdata\local\temp\AcPublish_468\PIR-2647 2-9-18.dwg Date: May 12, 2021: 11:07am Owner: lkaczmarek



THE CITY'S STANDARD WHEEL CHAIR RAMP IS THE ODOT BP-7.1 WITH THE MODIFICATIONS NOTED.
SEE SHEET 4 OF 4 FOR CITY'S APPROVED TRUNCATED DOME PRODUCTS.

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APPROVED DATE: MAY 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_33.dwg

REVISIONS		
DESCRIPTION	DATE	BY
REVISIONS	6/29/12	RMB

STANDARD DRAWING NO. 33

WHEEL CHAIR RAMP

SHEET 3 OF 4

DETECTABLE WARNING DOMES

BRICK PAVERS

TRUNCATED DOME BRICK IS REQUIRED FOR ALL STREETSCAPE AREAS **IN THE CENTRAL BUSINESS DIST**RICT AS DETERMINED BY CITY ENGINEER'S OFFICE.

Brick Pavers will meet ASTM C 902 Class SX, Type 1, or C 936, or C 1272 Type R. (SEE OPTION 3 and 4 FOR NON-BRICK)

Acceptable manufacturers and products are:

1) Whitacre-Greer Firepoofing Company,
   1400 S. Mahoning Ave, Alliance, OH, 44601, (800) WG PAVER
   ADA Paver, 4"x8"x2-1/4", Clear Red (Rustic) #30.

2) The Belden Brick Company
   PO Box 20910, Canton, OH 44701 330-456-0031
   City Line ADA Paver, Regimental Red 2-1/4"x4"x8" or 2-1/4"x8"x8"

OR APPROVED EQUAL

Pavers will be laid on top of a 4" unreinforced concrete base. Setting bed to be mortared in accordance with manufacturer's instruction, or with a maximum 1/2" thick bed of latex modified cement mortar. SWEEP POLYMERIC SAND (TECHNI SEAL OR APPROVED EQUAL) INTO JOINTS. Joint width must not exceed 1/8" or be less than 1/16" wide.

Pavers shall be laid such that joints are level with adjoining joints so as to provide a smooth transition from brick to brick and brick to concrete surface.

The surface of any two adjacent units should not differ by more than 1/8" [3]in height. Bricks shall be placed in a running bond pattern. Face of all brick shall be clean of cement and protected so as to avoid chipping during constructionn.

PANELS, WET SET

REPLACEABLE TRUNCATED DOME PANELS SET IN WET CONCRETE MUST BE USED IN RAMPS **OUTSIDE THE CENTRAL BUSINESS DISTRICT**.

Acceptable manufacturers and prducts are:

1) Armorcast Products Company
   North Hollywood, CA 818-982-3800
   Armorcast Detectable Warning Panels (Wet Set Panels)
   24"X24", 24"X36", 24"X48"; also 6'-15' Radius
   Polymer Concrete, Red Brick color

2) ADA Solutions, Inc.
   N. Billerica, MA 01862
   Cast-in-Place Replaceable Tactile (Wet Set)
   2'x3', 2'x4', 2'x5', and 2' w/radius
   Glass and Carbon Composite, Brick Red color

OR APPROVED EQUAL

ADHESIVE MATS

REPLACEABLE TRUNCATED DOME MATS THAT SET ON CONCRETE RAMPS BY ADHESIVE WILL ONLY BE CONSIDERED IN THE EVENT AN EXISTING WHEEL CHAIR RAMP NEEDS DETECTABLE WARNING DOMES INSTALLED AND THE RAMP REQUIRES NO OTHER MODIFICATIONS. INSTALLATION IS SUBJECT TO THE CITY ENGINEER'S APPROVAL.

Acceptable manufacturers and prducts are:

1) Submit product specification, color and sample for review/approval by the City Engineer

OFFICE OF THE CITY ENGINEER
CANTON, OHIO
DANIEL J. MOEGLIN, P.E., CITY ENGINEER
2436 30th St. NE 44705 330-489-3381 www.cantonohio.gov/engineering

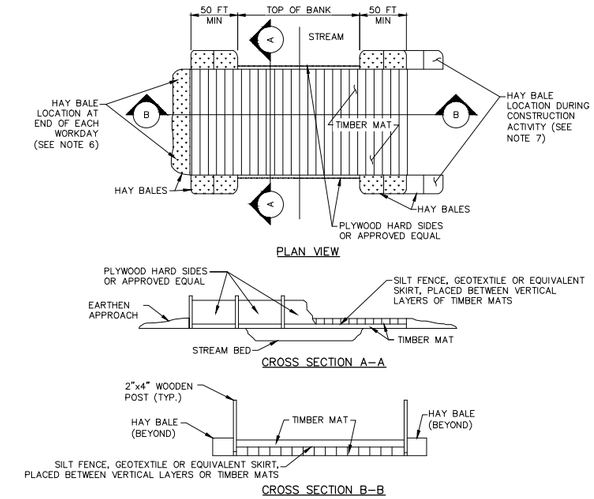
APPROVED DATE: MAY 2012
APPROVED BY: RMB
DRAWING FILE NAME: ce_33.dwg

REVISIONS		
DESCRIPTION	DATE	BY
REVISIONS	6/29/12	RMB

STANDARD DRAWING NO. 33

WHEEL CHAIR RAMP

SHEET 4 OF 4



NOTES:

1. THIS TYPE OF BRIDGE IS GENERALLY USED FOR SMALL STREAM CROSSINGS LESS THAN 25 FEET IN WIDTH AND A PROPER STREAM BANK CONFIGURATION.
2. EXTEND TIMBER MAT 50 FEET, FROM TOP OF BANK, ON BOTH SIDES OF STREAM CROSSING IN ORDER TO MINIMIZE DISTURBANCE OF STREAM BANKS AND RIPARIAN AREAS.
3. BRIDGE WILL BE TEMPORARILY REMOVED IF HIGH WATER RENDERS IT UNSAFE FOR CROSSING.
4. BRIDGE TO REMAIN IN PLACE UNTIL COMPLETION OF FINAL RESTORATION.
5. A SKIRT FORMED OF SILT FENCE, GEOTEXTILE FABRIC, OR EQUIVALENT SHALL BE PLACED ON THE SIDES AND BOTTOM OF THE BRIDGE TO TRAP SEDIMENT AS NECESSARY.
6. INDIVIDUAL MATS SHALL BE ANCHORED AND BUTTED TIGHTLY TO MINIMIZE THE INTRODUCTION OF SEDIMENT TO THE WATERBODY.
7. HAY BALES WILL BE PLACED AT THE EDGE OF THE EQUIPMENT BRIDGE AT THE END OF EACH WORK DAY TO PREVENT EROSION, BUT WILL BE REMOVED DURING CONSTRUCTION ACTIVITY.
8. TEMPORARY STREAM CROSSING SHALL BE INSPECTED ON A DAILY BASIS.
9. DAMAGED CROSSING SHALL BE REPAIRED WITHIN 24 HOURS OF THE INSPECTION, AND BEFORE ANY SUBSEQUENT USE.
10. SEDIMENT DEPOSITS ON THE CROSSING OR ITS APPROACHES SHALL BE REMOVED WITHIN 24 HOURS OF INSPECTION.
11. ANCHOR TIMBER MAT TO A TREE, OR OTHER PERMANENT OBJECT WITH SUFFICIENT STRENGTH, USING STEEL CHAIN OR CABLE.

TIMBER MAT BRIDGE EQUIPMENT CROSSING OVER STREAM

N.T.S.

OHIO UTILITIES PROTECTION SERVICE
2 WORKING DATS
BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764

REV #	DESCRIPTION	DATE	BY

Dominion Energy

PIR-2647 37th & Cleveland Ave.
City of Canton, Stark County

DETAILS

DATE: 05.11.21

PROJECT ID#: P400146591

19 / 19

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS 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.

NICK HARRISON
1001 DOM ENERGY FLEX
DOMINION ENERGY
320 SPRINGSIDE DR
AKRON OH 44333

Commercial Convenience Check **287**

6/30/21
Date

68-1/510

Pay to the order of Stark County Building Inspection Dept $ 100.00

One Hundred & 00/100 Dollars

Security Features Details on Back.

Bank of America Bank of America, N.A. Richmond, VA

Void after 60 days
For Deposit Only

For MWO: 63315864

MP

[redacted]

Harland Clarke

FLOOD PLAIN PERMIT APPLICATION FOR STARK COUNTY

PERMIT NO. 1097 **FEE** $100.00

(If application is approved, a certified Elevation Certificate must be submitted at the time of the footer/foundation inspection of improvement.)

Owners Name The East Ohio Gas Company, d/b/a Dominion Energy Ohio

Address 320 Springside Drive, Suite 320

City Akron **State** Ohio **Zip** 44333

Location of Improvement: Utility line replacement project, no permanent development within the floodplain is proposed

Address 40.756656, -81.380536

City NA **State** Ohio **Zip** 44614

Twp Canton **Sec** _____ **Qtr** _____

A. Description of Proposed Improvements

1. Will any watercourses be altered or relocated? YES ___ NO X
   a. If watercourses will be altered or relocated, will explosives be used? YES___ NO ___
   (If yes, attach a copy of the permit from ODNR, Division of Wildlife.)
   b. If property is in a floodway, a technical evaluation is required.

2. Will oil or gas lines be affected? YES___ NO___
   (If yes, attach a copy of permit from ODNR, Division of Oil or Gas.)

3. Will pollutants of any type be discharged? YES____ NO X
   (If yes, attach copy of permit from ODOT.)

4. Will access to a State Highway be required? YES _____ NO X
   (If yes, attach copy of permit from ODOT.)

5. Is the proposed site adjacent to or within an easement held by the Corps of Engineers for Flood Control purposes? YES ____ NO X
   (If yes, attach a copy of an approved permit from the Corps of Engineers, Or a copy of a letter from the Corps stating no permit is required.)

6. Structure to be flood protected by: (Provide site plan prepared by surveyor.)
   _____ Adding Fill. Top of fill _____ feet above mean sea level.
   _____ Flood proofing (Non-residential)
   _____ Tie downs (Mobile Homes)
   _____ Entire structure outside of the flood plain hazard area "A".
   _____ Other

Prepared by [signature] Date 7/7/2021

Angela entered email 7-21-21 Said coming soon To Angela

B. Requirements

Required M.S.L. of lowest floor of new construction or substantially improved existing construction: _____

Required M.S.L. of Flood proofing (Non Residential) _____

Provide two sets of plans, showing location, dimensions, and elevations of existing and proposed structures, fill and drainage. Indicate flood hazard areas, floodways, and/or restrictions.

Completed Elevation Certificate received NA (Date)

APPLICATION - APPROVED / DENIED [signature] **DATE** 9-26-21

Received 8/26, date approved is not correct

Stark County Building Inspection Department
7235 Whipple Ave NW Ste A
Canton, OH 44720
(330) 451-1770

Receipt for Transaction #86429

Date Paid	08/26/2021	**Owner**	EAST OHIO GAS/DOMINION	**Total SQFT**	0
	plhershb	**Property**	ENERGY	**Panels**	0
		Address	0 37TH & CLEVELAND AVE SE	**Drops**	0
		C/V/T	CANTON 44714	**Use Group**	N/A
		Building Type	CANTON TWP	**Valuation**	0
		Project Type	N/A		
			N/A		

Submitter Information

Name
Firm
Address

Fee	Contractor	Permit #	Amount
FLOOD PLAIN PERMIT		166376	100.00

Total Fees	100.00
No Fee	0.00
Half Fee	0.00
Penalty	0.00
Surcharge	0.00
Total Due	100.00
Cash Amount	0.00
Check No 287 **Check Amount**	100.00
Credit Card Amount	0.00
Journal Entry Amount	0.00
Online Amount	0.00
Amt Tendered	100.00
Change	0.00

Office of Real Estate
John Kessler, Chief
2045 Morse Road – Bldg. E-2
Columbus, OH 43229
Phone: (614) 265-6621
Fax: (614) 267-4764

August 25, 2021

Greg Eastridge
Dominion Energy Services, Inc.
320 Springside Drive, Suite 320
Akron, Ohio 44333

Re: 21-0589; PIR 2647 - 37th and Cleveland

Project: The proposed project involves installation of approximately 6,255 feet of replacement natural gas pipeline (three [3], six [6], eight [8], and twelve [12]-inch diameter) under the PIR program.

Location: The proposed project is located in Canton Township, Stark County, Ohio.

The Ohio Department of Natural Resources (ODNR) has completed a review of the above referenced project. These comments were generated by an inter-disciplinary review within the Department. These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the National Environmental Policy Act, the Coastal Zone Management Act, Ohio Revised Code and other applicable laws and regulations. These comments are also based on ODNR's experience as the state natural resource management agency and do not supersede or replace the regulatory authority of any local, state or federal agency nor relieve the applicant of the obligation to comply with any local, state or federal laws or regulations.

Natural Heritage Database: The Natural Heritage Database has the following records at or within a one-mile radius of the project area:

A review of the Ohio Natural Heritage Database indicates there are no other records of state endangered or threatened plants or animals within the project area. There are also no records of state potentially threatened plants, special interest or species of concern animals, or any federally listed species. In addition, we are unaware of any unique ecological sites, geologic features, animal assemblages, scenic rivers, state wildlife areas, state nature preserves, state or national parks, state or national forests, national wildlife refuges, or other protected natural areas within the project area. The review was performed on the project area you specified in your request as well as an additional one-mile radius. Records searched date from 1980.

Please note that Ohio has not been completely surveyed and we rely on receiving information from many sources. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Although all types of plant communities have been surveyed, we only maintain records on the highest quality areas.

Fish and Wildlife: The Division of Wildlife (DOW) has the following comments.

The DOW recommends that impacts to streams, wetlands and other water resources be avoided and minimized to the fullest extent possible, and that Best Management Practices be utilized to minimize erosion and sedimentation.

The entire state of Ohio is within the range of the Indiana bat (*Myotis sodalis*), a state endangered and federally endangered species, the northern long-eared bat (*Myotis septentrionalis*), a state endangered and federally threatened species, the little brown bat (*Myotis lucifugus*), a state endangered species, and the tricolored bat (*Perimyotis subflavus*), a state endangered species. During the spring and summer (April 1 through September 30), these species of bats predominately roost in trees behind loose, exfoliating bark, in crevices and cavities, or in the leaves. However, these species are also dependent on the forest structure surrounding roost trees. If trees are present within the project area, and trees must be cut, the DOW recommends cutting only occur from October 1 through March 31, conserving trees with loose, shaggy bark and/or crevices, holes, or cavities, as well as trees with DBH ≥ 20 if possible. If trees are present within the project area, and trees must be cut during the summer months, the DOW recommends a mist net survey or acoustic survey be conducted from June 1 through August 15, prior to any cutting. Mist net and acoustic surveys should be conducted in accordance with the most recent version of the "*OHIO DIVISION OF WILDLIFE GUIDANCE FOR BAT SURVEYS AND TREE CLEARING*". If state listed bats are documented, DOW recommends cutting only occur from October 1 through March 31, however, limited summer tree cutting may be acceptable after consultation with DOW (contact Erin Hazelton at Erin.hazelton@dnr.ohio.gov).

The DOW also recommends that a desktop habitat assessment, followed by a field assessment if needed, is conducted to determine if there are potential hibernaculum(a) present within the project area. Information about how to conduct habitat assessments can be found in the current USFWS "*Range-wide Indiana Bat Survey Guidelines*." If a habitat assessment finds that potential hibernacula are present within 0.25 miles of the project area, please send this information to Erin Hazelton, Erin.hazelton@dnr.ohio.gov for project recommendations. If a potential or known hibernaculum is found, the DOW recommends a 0.25-mile tree cutting and subsurface disturbance buffer around the hibernaculum entrance, however, limited summer or winter tree cutting may be acceptable after consultation with DOW. If no tree cutting or subsurface impacts to a hibernaculum are proposed, this project is not likely to impact these species.

The project is within the range of the long-solid (*Fusconaia maculata maculata*), a state endangered mussel. Due to the location, and that there is no in-water work proposed in a perennial stream of sufficient size, this project is not likely to impact this species.

The project is within the range of the Iowa darter (*Etheostoma exile*), a state endangered fish. The DOW recommends no in-water work in perennial streams from March 15 through June 30 to reduce impacts to indigenous aquatic species and their habitat. If no in-water work is proposed in a perennial stream, this project is not likely to impact this or other aquatic species.

The project is within the range of the spotted turtle (*Clemmys guttata*), a state threatened species. This species prefers fens, bogs and marshes, but also is known to inhabit wet prairies, meadows, pond edges, wet woods, and the shallow sluggish waters of small streams and ditches. Due to the location, and the type of habitat within the project area, this project is not likely to impact this species.

The project is within the range of the northern harrier (*Circus hudsonis*), a state endangered bird. This is a common migrant and winter species. Nesters are much rarer, although they occasionally

breed in large marshes and grasslands. Harriers often nest in loose colonies. The female builds a nest out of sticks on the ground, often on top of a mound. Harriers hunt over grasslands. If this type of habitat will be impacted, construction should be avoided in this habitat during the species' nesting period of April 15 through July 31. If this habitat will not be impacted, this project is not likely to impact this species.

Due to the potential of impacts to federally listed species, as well as to state listed species, we recommend that this project be coordinated with the US Fish & Wildlife Service.

Water Resources: The Division of Water Resources has the following comment.

The local floodplain administrator should be contacted concerning the possible need for any floodplain permits or approvals for this project. Your local floodplain administrator contact information can be found at the website below.

http://water.ohiodnr.gov/portals/soilwater/pdf/floodplain/Floodplain%20Manager%20Community%20Contact%20List_8_16.pdf

ODNR appreciates the opportunity to provide these comments. Please contact Mike Pettegrew at mike.pettegrew@dnr.ohio.gov if you have questions about these comments or need additional information.

Mike Pettegrew
Environmental Services Administrator (Acting)

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Case No(s). 21-0874-GA-BLN

Summary: Correspondence Correspondence of Dominion Energy Ohio in Compliance with Staff Report Condition No. 2 electronically filed by Ms. Valerie A. Cahill on behalf of The East Ohio Gas Company d/b/a Dominion Energy Ohio