

**A Report by the Staff of the
Public Utilities Commission of Ohio**

In the Matter of the investigation of Dominion Energy Ohio
relative to compliance with the Natural Gas Pipeline safety
standards

Case No. 19-2140-GA-GPS
February 28, 2020

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Investigation of)
Dominion Energy Ohio relative to)
compliance with the Natural Gas)
Pipeline safety standards)

Case No. 19-2140-GA-GPS

To the Honorable Commission:

Staff has conducted an investigation in the above matter and hereby submits its findings and recommendations in this Gas Pipeline Safety Staff Report.

The findings and recommendations reached in this Staff Report are presented for the Commission's consideration and do not purport to reflect the views of the Commission, nor should any party consider the Commission as bound in any manner by the findings and recommendation set forth herein.

Respectfully submitted,



Robert P. Fadley
Director

Service Monitoring and Enforcement Department

TABLE OF CONTENTS

	Page(s)
I. Background.....	3
II. Summary of Events Leading to the Natural Gas Incident.....	3
III. Staff Investigation.....	5
IV. Discussion of Violations.....	11
V. History of Previous Violations.....	14
VI. Conclusion and Recommendations.....	15
Appendix – Exhibits.....	17

Appendix - Exhibits

Exhibit 1	PUCO #3 Notice_PIR 019
Exhibit 2	Pepper Pike PUCO Data Request (1) Update 3 12-17-19
Exhibit 3	ConstructionReport_11 - 22 – 2019
Exhibit 4	DEO Pepper Pike Incident Report (Supplemental) 12-27-19
Exhibit 5	Pepper Pike PUCO Data Request (1) 12-09-19
Exhibit 6	Pepper Pike PUCO Data Request (2) 1-16-2020
Exhibit 7	Pepper Pike PUCO Data Request (3) 2-10-2020
Exhibit 8	Weld counts 2-11-2020
Exhibit 9	SOP 400-03 Inspection and Test of Weld
Exhibit 10	SMAW-Butt 51 WPS
Exhibit 11	Field Photo of Odor level sheet
Exhibit 12	DEO Odorant Level Test Report
Exhibit 13	FW_ Pepper Pike Odor Level Question 12-30-2019
Exhibit 14	PIR-019 As Built Documents 1-21-2020
Exhibit 15	Engineering Notes 1-31-2020
Exhibit 16	FW_ PIR - 019 Pepper Pike Records Update and Clarification 1-31-2020
Exhibit 17	Alignment Sheets
Exhibit 18	DomSafetyPol0836 - Use of Grinder Guards
Exhibit 19	Field Photos of Grinders Without Guards
Exhibit 20	SOP 360-20 Prevention of Accidental Ignition of Natural Gas
Exhibit 21	SOP 290-05 Safety Precautions and Environmental Protection
Exhibit 22	Field Photos of Buried Fitting
Exhibit 23	Field Photos of Main with Insufficient Cover
Exhibit 24	Enforcement Actions

I. Background

Dominion Energy Ohio (Dominion) provides natural gas service to more than 1.2 million customers through 21,617 miles of pipeline. Dominion is a natural gas company¹ subject to the jurisdiction of the Public Utilities Commission of Ohio (Commission) under Title 49 of the Ohio Revised Code (R.C.) and rules adopted by the Commission in the Ohio Administrative Code (Ohio Adm. Code).²

The Commission's rules adopt the federal gas pipeline safety regulations contained at 49 C.F.R. 40, 49 C.F.R. 191, 49 C.F.R. 192, and 49 C.F.R. 199 (Pipeline Safety Regulations).³ The Pipeline Safety Regulations require gas pipeline operators to provide notice of an "incident" to appropriate regulatory authorities.⁴ Therefore, this case was initiated after the Commission's Gas Pipeline Safety Staff (Staff) was notified by Dominion and subsequently conducted an investigation of a pipeline rupture and subsequent explosion at 28000 Shaker Blvd., Pepper Pike Ohio that occurred on November 15, 2019 at approximately 1 AM.

Staff has concluded that the pipeline rupture which occurred at 28000 Shaker Blvd., Pepper Pike Ohio was caused by a weld failure on a 30" steel high pressure distribution main operating at approximately 193 pounds per square inch gauge (psig) at the time of the failure. The failed pipeline segment was bored under the roadway at a depth of 15 to 25 feet and had been in service for approximately two weeks. Poor construction practices, failure to follow established procedures and a lack of oversight by Dominion all contributed to the pipeline failure.

II. Summary of Events Leading to the Natural Gas Incident

The failure occurred on a segment of pipe installed as part of a Dominion Pipeline Infrastructure Replacement (PIR) project identified by Dominion as PIR 019 – P400008321. The project consisted of replacing 3,070 feet of 2-, 4-, 6-, 26- and 30-inch bare steel pipe with coated steel pipe and replacing additional existing bare steel pipe with approximately 3,100 feet of 4-,

¹ See R.C. 4905.03(E).

² See, e.g., Ohio Adm.Code 4901:1-16.

³ See Ohio Adm.Code 4901:1-16-03.

⁴ See 49 C.F.R. 191.5.

An "incident" under 49 C.F.R. 191.3 includes: "(1) An event that involves a release of gas from a pipeline... and that results in one or more of the following consequences: ... (ii) Estimated property damage of \$50,000 or more..."

6- and 8-inch plastic pipe. This project began on June 10, 2019 and was completed on November 7, 2019.⁵

A portion of this project consisted of placing a segment of 30" steel pipe under Shaker Blvd. using a method known as auger boring. An auger bore is a device used to drill a horizontal hole under roads, railroads, and streams instead of digging a trench through the surface. The auger bore machine uses a rotating auger blade in front of a carrier pipe known as a casing. The casing is hydraulically pushed through the hole as the auger head cuts a path and spoil material is continuously removed by the rotating auger conveying the spoils back down the casing to the launching pit. A similar pit is excavated on the opposite end of the bore path to receive the auger head and casing pipe as it is replaced with the pipe that is pushed in directly behind the casing pipe. Auger boring is a non-steerable method of trenchless installation that is intended to install the pipe in a flat, straight path.

The bore was installed by a Dominion contractor using an American Augers 36/42-600D Boring Machine starting on September 5, 2019. Dominion records show a 32" diameter auger bore with 30" casing pipe was used.⁶

On September 7, 2019, boring stopped because one of the pins holding the auger blade to the drive shaft had broken. During efforts to recover the auger blade, the construction crew discovered that a weld on the casing had failed.⁷ A construction report provided by a third party inspection company hired by The City of Pepper Pike stated, "Crew member come across one of the weld that had broke on the bottom edge three quarters of the way around, meaning that part of the bore started to go back up."⁸ This means the bore was not straight and level and the auger head was deflecting off the intended course. Because the weld failed along the bottom of the pipe, it was assumed the head and bore path were drifting upwards towards the surface. The strain on the casing being pushed through this non-level boring created a bend that placed excessive strain on the pipe, in this case at the bottom of the casing, which resulted in a failure. No action to widen the boring or otherwise minimize the strain on the casing or the 30" pipe to be installed in the boring was taken by Dominion or the contractor. When asked during the investigation, Dominion reported there were no issues or problems encountered during the boring operations. The construction report clearly shows that problems did exist with the bore and should have been recognized.

⁵See PUCO #3 Notice_PIR 019 attached as Appendix I: Exhibit 1.

⁶ See Pepper Pike PUCO Data Request (1) Update 3 12-17-19 attached as Appendix I: Exhibit 2 at Response 56.

⁷ See ConstructionReport_11 - 22 – 2019 attached as Appendix I: Exhibit 3 at page 27.

⁸ See ConstructionReport_11 - 22 – 2019 attached as Appendix I: Exhibit 3 at page 27.

On September 24, 2019 installation of the 30" high pressure distribution main in the bore started.⁹ This was done by welding together 20-foot segments of pipe in the launching pit and using the auger bore machine to hydraulically push the new pipe against the 30" casing, ultimately expelling the casing from the bore at the other end. The installation of the 30" main under Shaker Blvd. was completed on or around September 30, 2019.¹⁰ The pipeline was pressurized and placed into service on November 7, 2019¹¹ with a maximum allowable operating pressure (MAOP) of 249 psig.¹² The deflection and subsequent strain placed on the casing pipe was not recognized or addressed by Dominion and as a result the pipe was installed in the same bore path and was subject to the same excessive strain.

On November 15, 2019 at 1:01 AM the Pepper Pike fire department contacted Dominion about a fire or explosion at 28000 Shaker Blvd.¹³ Gas released from the pipeline rupture ignited, burning the roadway, nearby construction equipment, and numerous trees and telephone poles surrounding the site of the release. Company records show Dominion personnel first arrived on the scene at 1:28 AM and started actions to isolate the line and perform safety checks of the surrounding area.¹⁴ PUCO Staff was notified at 2:38 AM. Gas was isolated from the area at 4:39 AM and the area was made safe.¹⁵ There was a delay in shutting off the gas because emergency valves had been replaced as part of the construction project. Dominion had not updated its records and mapping system so emergency response employees were looking for valves that were no longer in service.

III. Staff Investigation

When a gas-related incident occurs, Commission Gas Pipeline Safety Staff conducts an investigation concurrently with the natural gas company. The purpose of the investigation is to determine the root cause of the incident and to identify steps to be taken to prevent similar incidents from occurring in the future. In this case, Staff's focus was on Dominion Energy Ohio's actions, policies, and procedures and how they contributed to the explosion. Based on its investigation, Staff has identified several factors that led to this pipeline failure.

⁹ See ConstructionReport_11 - 22 – 2019 attached as Appendix I: Exhibit 3 at page 50.

¹⁰ See ConstructionReport_11 - 22 – 2019 attached as Appendix I: Exhibit 3 at page 55.

¹¹ See PUCO #3 Notice PIR 019 attached as Appendix I: Exhibit 1.

¹² See DEO Pepper Pike Incident Report (Supplemental) 12-27-19 attached as Appendix I: Exhibit 4 at page 3.

¹³ See DEO Pepper Pike Incident Report (Supplemental) 12-27-19 attached as Appendix I: Exhibit 4 at page 1.

¹⁴ See DEO Pepper Pike Incident Report (Supplemental) 12-27-19 attached as Appendix I: Exhibit 4 at page 2.

¹⁵ See Pepper Pike PUCO Data Request (1) 12-09-19 attached as Appendix I: Exhibit 5 at Response 17.

Operators are required to have procedures in place for operations and maintenance activities as well as standards and specifications for construction activities. Staff determined that Dominion does not have procedures in its Design and Construction Manual for installation of pipe by boring. In response to a data request regarding boring related procedures, Dominion stated “DEO utilizes DOT OQ'd contractors to perform boring and relies on the procedures and equipment provided by the contract service.”¹⁶ The responsibility for having and following procedures falls to the operator, not its contractor.

Operators are also required to have a written qualification program¹⁷ to ensure individuals performing certain tasks covered by the Pipeline Safety Regulations, including tasks that affect the operation of integrity of the pipeline, are qualified to perform those tasks. Dominion does not provide training on auger boring and does not have criteria to determine whether individuals engaged in boring are qualified¹⁸. Dominion construction inspectors are not trained in how to perform auger boring or how to recognize and respond to abnormal operating conditions during auger boring¹⁹ which may have contributed to a failure to identify and correct a source of strain on the pipeline that was apparent from the failed auger bore casing weld.

In addition to the vertical deflection identified during the attempt to recover the auger head, a significant horizontal deflection was also observed as the pipeline was being located and excavated during the early stages of the investigation after the rupture. Deflection in a pipeline creates increased tensile strain on the outside of the bend and the horizontal deflection observed in the field would place the outside of the bend at the same location that preliminary findings of the metallurgical analysis indicate the failure began. The City’s third-party inspector report from September 17, 2019 also states “the casing was found, but had drifted offline to the east” when it was located while searching for the disconnected auger head.²⁰ Problems with the auger bore were present and should have been recognized and corrected by Dominion during the construction project.

The Pipeline Safety Regulations require a visual inspection of each completed weld by an individual qualified by appropriate training and experience to ensure the weld is acceptable. Dominion uses the visual inspection criteria described in the American Petroleum Institute (API) recommended practice (RP) 1104, “Welding of Pipelines and Related Facilities.” Dominion was unable to provide documentation that shows welds were subject to a visual

¹⁶ See Pepper Pike PUCO Data Request (1) 12-09-19 attached as Appendix I: Exhibit 5 at Response 30.

¹⁷ See 49 C.F.R. 192.805.

¹⁸ See Pepper Pike PUCO Data Request (2) 1-16-2020 attached as Appendix I: Exhibit 6 at Response 8.

¹⁹ *Id.*

²⁰ See ConstructionReport_11 - 22 – 2019 attached as Appendix I: Exhibit 3 at page 45.

inspection. No welds were cut out or ground out as a result of a failing a visual inspection at this construction site, so all welds either were not visually inspected or were determined to have passed visual inspection but this decision was not documented.²¹

The Pipeline Safety Regulations require nondestructive testing of some welds during construction of transmission lines but there are no requirements for nondestructive testing for distribution lines. During construction and during the subsequent investigation, Dominion performed nondestructive testing on a number of welds through a process known as radiography, where gamma radiation is passed through a weld onto a photographic film, resulting in an image of the object's internal structure. This process can be used to identify porosity, inclusions, cracks, and voids in the interior of welds which may indicate a weak point. Dominion records show 16 mainline welds were nondestructively tested on June 10, 2019 during the early stages of the construction project. The first fifteen welds passed nondestructive testing while the final weld tested failed and was cut out and replaced.²² There are no records of any further nondestructive testing performed during the construction project. Staff believes that testing only welds made early in the project is a poor practice if the purpose of testing is project quality control and that testing should not have ceased right after identifying the first failure. However, as mentioned above, nondestructive testing of welds was not required by the Pipeline Safety Regulations for this particular project.

After the pipeline rupture and explosion, Dominion excavated and nondestructively tested all the remaining welds on the pipeline segment that Dominion intended to remain in service. Of the 112 welds tested, 21 failed nondestructive testing.²³ Including the additional welds sent to a metallurgical laboratory for analysis that also failed nondestructive testing, more than 20 percent of the welds from the original project were found to be unacceptable.²⁴

The failed weld and three additional welds were cut out and sent to a laboratory (DNV GL, 5777 Frantz Road, Dublin Ohio) for metallurgical and physical analysis. The selected welds included the weld directly upstream and directly downstream of the failed weld as well as one weld from elsewhere on the project.²⁵ DNV GL determined two of the four welds subject to analysis did not pass the visual inspection criteria in API RP 1104 which should have been used for the required visual inspection during construction.²⁶ The three intact welds examined all

²¹ See Pepper Pike PUCO Data Request (3) 2-10-2020 attached as Appendix I: Exhibit 7 at page 3.

²² See Weld counts 2-11-2020 attached as Appendix I: Exhibit 8 at pages 3 to 6.

²³ *Id.*

²⁴ *Id.*

²⁵ *Id.*

²⁶ See SOP 400-03 Inspection and Test of Weld Appendix I: Exhibit 9.

failed nondestructive testing. DNV GL has not yet released their final report on the results of their metallurgical testing.

DNV GL conducted a study of the failed weld to determine the cause of failure. In a conference call on January 28, 2020 in advance of its final report, DNV GL presented a briefing on its preliminary findings that the failed weld showed two types of fracture morphologies. First, hydrogen cracking was prevalent in the outer half of the weld cap and continued approximately halfway through the weld. Brittle morphology and no ductility were noted due to hydrogen being present in the weld. This type of failure is usually due to the weld cooling down too fast and is typically caused by inadequate pre-heating of the welded area. The interior half of the failure was due to ductile overload which is caused by an external strain on the pipe. Staff believes the source of this external strain was the deflection in the boring previously discussed.

In addition to the information from DNV GL, Staff observed that the welders present at the site during the course of Staff's investigation were not familiar with Dominion's procedures regarding the pre-heating and post-heating of welds, and did not have equipment necessary to determine the temperature of the piping after it had been subject to pre-heating. During an interview, one of the welders who worked on the initial pipeline project stated he used "the back of his hand" to determine the proper preheat temperature of the pipe. Staff notes the procedure calls for a preheat temperature of 250 degrees Fahrenheit.²⁷ Statements from contractor employees who installed the initial pipeline also indicated that the welds were immediately cleaned by sand blasting with compressed air and coated with epoxy as soon as the welds were complete which could have contributed to the rapid cooling that led to the hydrogen cracking.

Staff believes it is not possible to determine who performed which weld at the construction site or whether or not procedures were followed through a review of project documentation due to Dominion's poor documentation practices and Dominion's failure to maintain accurate or reliable records.

Dominion does not generate or maintain reliable records and does not maintain document integrity. Staff submitted several data requests and questions to Dominion during its investigation, and there were a number of instances where the responses raised questions about the integrity of the documents being provided. While on site during the immediate incident response, Staff photographed a field form completed by Dominion employees to document an odorization test performed by Dominion after the explosion.²⁸ Dominion provided a different

²⁷ See SMAW-Butt 51 WPS attached as Appendix I: Exhibit 10.

²⁸ See Field Photo of Odor level sheet attached as Appendix I: Exhibit 11.

version of the form when submitting a response to a data request.²⁹ There was no place on the form for a signature and the handwritten information on the two forms was different. When asked about the apparent discrepancy, Dominion claimed the forms were completed by two different individuals, but both were documenting the same test.³⁰ On January 21, 2019, Dominion provided a document titled “Engineering Notes,” which identified which welders performed each weld along the pipeline.³¹ The document was completed by hand and had no date, signature, or any other information that could be used to attribute the document to a specific individual. On January 31, 2020, Dominion provided a revised version of the same document where a number had been written over in multiple places throughout the form to make a correction with no notes, comments, or attributions for the changes on the forms.³² Dominion indicated via email that the correction was made so the document would be accurate.³³ Staff notes that while the documents were altered, the title block on the document still had blanks for a field labeled “Inspector(s)” and a date field labeled “Completed”, and in a field listing several installation methods, “Bored” was not marked as it should have been. There was also a weld missing welder information.³⁴ Additionally, the welder related information in the document contradicts a statement provided by one of the welders who worked on the project. The individual is referred to as Welder #2 in the document and is recorded as having made 70 welds on the project. When interviewed by Staff this individual stated he only performed 15-20 welds on this project. The same 70 welds are also attributed to Welder #2 on another document titled “Engineering Work Sheet -Straightline Drawing.”³⁵ This document has fields labeled “Prepared By” and “Checked By” with those fields left blank. These noted documentation issues show that Dominion does not generate and maintain reliable records and does not maintain document integrity.

During its investigation Commission Staff also observed a number of instances at the construction site where Dominion employees and contractors did not follow Dominion procedures or were unaware of these procedures, further demonstrating that established Dominion procedures are routinely not followed or enforced in the field:

- A Staff investigator asked Dominion welders if he could see the procedure they were using to weld and was told by the welders that they didn’t need the procedures because

²⁹ See DEO Odorant Level Test Report attached as Appendix I: Exhibit 12.

³⁰ See FW_ Pepper Pike Odor Level Question 12-30-2019 attached as Appendix I: Exhibit 13.

³¹ See PIR-019 As-Built Documents 1-21-2020 attached as Appendix I: Exhibit 14.

³² See Engineering Notes 1-31-2020 attached as Appendix I: Exhibit 15.

³³ See FW_ PIR - 019 Pepper Pike Records Update and Clarification 1-31-2020 attached as Appendix I: Exhibit 16.

³⁴ See Engineering Notes 1-31-2020 attached as Appendix I: Exhibit 15 at page 9.

³⁵ See Alignment Sheets attached as Appendix I: Exhibit 17.

they knew the requirements. The Staff inspector then asked the welders a question about one of the parameters in the welding procedure (what preheat temperature they used) and received incorrect answers. As noted earlier, these welders did not have equipment necessary to determine the preheat temperature of the pipe despite the procedure requiring the use of “a temperature indicating device”.³⁶

- Observed welders were not following Dominion safety procedures³⁷ by not using grinder guards, which are safety devices installed on grinder wheels. Welders failed to use these guards even after Staff brought it to the attention of the welders and Dominion management at the scene.³⁸
- Dominion procedures³⁹ require blowers in excavation pits to dissipate any natural gas that may be present and prevent accidental ignition. These blowers were not in use in required areas during Staff’s investigation at the site.
- Staff observed Dominion employees draining water used for hydrostatic testing into a storm sewer. Dominion procedures⁴⁰ require proper disposal of hydrostatic test medium and that does not allow for discharge into storm sewers.
- Staff observed buried fittings that were excavated during the investigation that were not properly coated.⁴¹
- A segment of pipe under a roadway was not installed with sufficient cover per the Pipeline Safety Regulations and Dominion’s procedures.⁴²

In conclusion Staff believes several factors contributed to the pipeline rupture. Evidence shows that a failure to follow established welding procedures, insufficient inspection and oversight at the construction site, and lack of procedures and training regarding auger boring, which led to the pipeline being subject to excessive strain, all played a role in the failure of the pipeline. Welders did not produce acceptable welds as evidenced by the significant number of welds that failed nondestructive testing (more than 20% of the welds tested failed). Laboratory testing results and Staff investigation show that welders did not follow established Dominion welding procedures such as proper pre-heating of the pipe or allowing for proper cooling. Visual inspection of welds was either not performed or welds that should have failed a visual inspection were not recognized. The failed weld was also subject to significant external strain

³⁶ See SMAW-Butt 51 WPS attached as Appendix I: Exhibit 10.

³⁷ See DomSafetyPol0836 - Use of Grinder Guards attached as Appendix I: Exhibit 18.

³⁸ See Field Photos of Grinders Without Guards attached as Appendix I: Exhibit 19.

³⁹ See SOP 360-20 Prevention of Accidental Ignition of Natural Gas attached as Appendix I: Exhibit 20.

⁴⁰ See SOP 290-05 Safety Precautions and Environmental Protection attached as Appendix I: Exhibit 21.

⁴¹ See Field Photos of Buried Fitting attached as Appendix I: Exhibit 22.

⁴² See Field Photos of Main with Insufficient Cover attached as Appendix I: Exhibit 23; CFR 192.327.

due to problems with an auger bore installation that was not recognized, investigated, or remediated before the pipe was placed in service.

IV. Discussion of Violations

After reviewing the results of the investigation, Staff concludes that the following violations of the Pipeline Safety Regulations (49 C.F.R. 192) caused or contributed to the incident that occurred at 28000 Shaker Blvd. in Pepper Pike:

49 C.F.R. 192.13 (c) Each operator shall maintain, modify as appropriate, and follow the plans, procedures, and programs that it is required to establish under this part.

Dominion has no procedures or standards for auger boring. Dominion employees and construction inspectors are not trained on how to perform a proper boring or how to recognize or respond to abnormal operating conditions associated with auger boring. The problems with the auger bore installation that led to excessive strain on the pipe were not recognized, investigated, or corrected as a result.

Dominion inspectors were not enforcing company procedures during the construction project. Laboratory results and Staff investigation show welding procedures were not being followed. Staff observed numerous examples of Dominion procedures not being followed or enforced at the construction site during the Staff investigation.

49 C.F.R. 192.225 Welding procedures.

(a) Welding must be performed by a qualified welder or welding operator in accordance with welding procedures qualified under section 5, section 12, Appendix A or Appendix B of API Std 1104, or section IX of the ASME Boiler and Pressure Vessel Code to produce welds meeting the requirements of this subpart.

Dominion did not perform welding in accordance with its qualified welding procedures at the construction project at Shaker Blvd. in Pepper Pike. Laboratory results indicate that pre-heating of the welding area was most likely not performed as required by Dominion's procedures. Welders interviewed by Staff did not know the required temperatures to achieve for pre-heated pipe and did not have the equipment necessary to determine a pre-heat temperature.

49 C.F.R. 192.241 Inspection and test of welds.

(a) Visual inspection of welding must be conducted by an individual qualified by appropriate training and experience to ensure that: (1) the welding is performed in accordance with the welding procedure; and (2) the weld is acceptable under paragraph (c) of this section.

Dominion did not perform adequate visual inspection of welding to ensure welding is performed in accordance with Dominion's procedures and that welds were acceptable. Dominion is unable to provide documentation that any welds on the project were visually inspected. DNV laboratories determined that two of the four welds taken from the site for examination did not pass Dominion's visual inspection criteria and that the three intact welds all failed nondestructive testing. Over 20% of the welds nondestructively tested by radiography during the incident investigation failed nondestructive testing, and none of these welds were identified as a concern during visual inspection.

49 C.F.R. 192.305 Inspection: General.

Each transmission line or main must be inspected to ensure that it is constructed in accordance with this part.

The segment of pipe installed under Shaker Blvd. was constructed in such a way that excessive strain was placed on the pipe, indicating that Dominion failed to inspect the pipe. Additional examples of failure to inspect the main were identified during Staff's investigation. Valves and other fittings that were installed were not properly coated or protected against corrosion. A segment of piping under a roadway was not installed with sufficient cover.

49 C.F.R. 192.317 Protection from hazards.

(a) The operator must take all practicable steps to protect each transmission line or main from washouts, floods, unstable soil, landslides, or other hazards that may cause the pipeline to move or to sustain abnormal loads.

The auger bore under Shaker Blvd. produced a bore that was not straight and level, which was not recognized or corrected by Dominion. The strain placed on the pipe from being forced through a deflected boring caused the pipe to sustain abnormal loads and directly contributed to the weld failure and subsequent explosion.

49 C.F.R. 192.805 Qualification program.

Each operator shall have and follow a written qualification program. The program shall include provisions to:

(a) Identify covered tasks;

- (b) Ensure through evaluation that individuals performing covered tasks are qualified;*
 - (c) Allow individuals who are not qualified pursuant to this subpart to perform a covered task if directed and observed by an individual that is qualified;*
 - (d) Evaluate an individual if the operator has reason to believe that the individual's performance of a covered task contributed to an incident as defined in Part 191;*
 - (e) Evaluate an individual if the operator has reason to believe that the individual is no longer qualified to perform a covered task;*
 - (f) Communicate changes that affect covered tasks to individuals performing those covered tasks;*
 - (g) Identify those covered tasks and the intervals at which evaluation of the individual's qualifications is needed;*
 - (h) After December 16, 2004, provide training, as appropriate, to ensure that individuals performing covered tasks have the necessary knowledge and skills to perform the tasks in a manner that ensures the safe operation of pipeline facilities; and*
 - (i) After December 16, 2004, notify the Administrator or a state agency participating under 49 U.S.C. Chapter 601 if the operator significantly modifies the program after the administrator or state agency has verified that it complies with this section.*
- Notifications to PHMSA may be submitted by electronic mail to InformationResourcesManager@dot.gov, or by mail to ATTN: Information Resources Manager, DOT/PHMSA/OPS, East Building, 2nd Floor, E22-31, New Jersey Avenue SE., Washington, DC 20590.*

The individuals performing welding at the construction site did not have the necessary knowledge and skills to perform welding in a manner that ensured the safe operation of the pipeline. At least two welds that did not meet Dominion's visual inspection criteria were placed into service. Over 20% of the welds on the project were found to be deficient through nondestructive testing, and none of these welds were identified as a potential concern through visual inspection. Dominion welders were unfamiliar with weld pre-heating requirements specified in Dominion procedures. Laboratory analysis indicates improper pre-heating during welding was a likely contributing factor for the weld failure. The Ohio Administrative Code section 4901:1-16-06 requires distribution operators to incorporate new construction as part of their operator qualification requirements, which includes welding.

V. History of Previous Violations

Based on the history of violations issued to Dominion, there is a pattern of Dominion not following or enforcing its procedures.

Staff has previously identified deficiencies in Dominion's welding inspection procedures and documentation. Staff issued Dominion a violation letter on March 24, 2017⁴³ that noted, among other violations, that Dominion's documentation did not contain information on the welding procedure used, the results of a visual inspection, or what criteria was used to determine the acceptability of a weld. Dominion's response to this violation was "Starting 12/31/2017, DEO will provide inspectors with a welding procedure checklist to ensure proper documentation of the welding procedure used for each project." The welding procedure checklist was not used for this construction project.

Inadequate documentation that makes it difficult or impossible to determine whether Dominion complied with the Pipeline Safety Regulations has been identified by Staff on a number of other construction projects. Violation letters were sent to Dominion regarding this issue on March 24, 2017,⁴⁴ April 17, 2018,⁴⁵ and April 5, 2019.⁴⁶ Documentation for pressure testing newly installed service lines and mains, abandonment of mains or services, and nondestructive testing of welds was inadequate to demonstrate compliance with the Pipeline Safety Regulations. Modification or editing of compliance related documents has also been identified and brought to Dominion's attention, most recently during the 2019 Pipeline Safety Inspection of Dominion's North Canton audit unit where an applicable instance was identified and documented in a violation letter issued on January 22, 2020.⁴⁷

Staff has issued violations⁴⁸ for Dominion not following its own procedures in the field on 15 separate occasions in the past five years. Many citations identified more than one example of a failure to follow procedures and there are 29 instances of failure to follow procedures in total. Dominion failed to follow its standard operating procedures (SOP) in the following instances:

- SOP 70 – Failure to identify and remediate atmospheric or external corrosion piping and ancillary equipment. Seven instances.

⁴³ See Probable Non-Compliance Issued March 24, 2017 attached in Appendix I: Exhibit 24.

⁴⁴ *Id.*

⁴⁵ See Probable Non-Compliance Issued April 17, 2018 attached in Appendix I: Exhibit 24.

⁴⁶ See Warning Letter Issued April 5, 2019 attached in Appendix I: Exhibit 24.

⁴⁷ See Probable Non-Compliance Issued January 22, 2020 attached as Appendix I: Exhibit 24.

⁴⁸ See Notice of Probable Non-Compliance Issued January 16, 2015; June 3, 2015; August 6, 2015; December 23, 2015; May 19, 2016; September 19, 2016, September 21, 2016, March 24, 2017; September 20, 2017; October 18, 2017; June 4, 2018; August 31, 2018; December 14, 2018; January 21, 2020; January 22, 2020; Warning Letter Issued April 5, 2019 attached in Appendix I: Exhibit 24.

- SOP 70 - Failure to monitor cased transmission line segments to determine if the line is electrically shorted to the casing and repair lines with shorted casings. Two instances.
- SOP 90 – Failure to locate buried pipelines prior to excavation.
- SOP 125 – Failure to install excess flow valves where required. Two instances.
- SOP 150 – Failure to properly abandon inactive service lines or mains. Three instances.
- SOP 230 – Failure to monitor odorization levels, or properly respond to out of specification gas odorant readings. Three instances.
- SOP 290 – Failure to perform pressure testing of mains and/or service lines. Seven instances.
- SOP 400 – Failure to inspect and nondestructively test welds.
- Dominion Plastic Joining Manual – failure to confirm heating iron temperatures are within specifications before plastic pipe joining.

Staff has issued 14 separate violation letters⁴⁹ to Dominion since 2012 regarding deficiencies in its Operator Qualification program, however based on Staff's observations over the past two years Dominion is making an effort to improve the administration of their Operator Qualification program and to respond to Staff's concerns.

VI. Conclusion and Recommendations

Staff believes Dominion showed a lack of institutional control at the construction project located at Shaker Blvd. in Pepper Pike. Poor construction practices, failure to follow established procedures, and a lack of oversight all contributed to the weld failure and pipeline rupture. Staff further believes that the number of bad welds found at the site, Dominion's previous enforcement history related to not following or enforcing procedures in the field, and poor documentation practices show that failures similar to the pipeline rupture in Pepper Pike may recur in the future if the factors that contributed to the rupture are not addressed.

Based on the results of this investigation Staff recommends Dominion develop and implement a third-party audit of the Dominion gas safety program. The purpose of the audit is to determine whether:

⁴⁹ See Notice of Probable Non-Compliance Issued February 28, 2012; April 4, 2012; December 26, 2013; January 16, 2015; August 6, 2015; May 19, 2016; September 19, 2016; September 21, 2016; June 28, 2017; August 10, 2017; November 9, 2017; April 17, 2018; November 21, 2018; Warning Letter Issued April 5, 2019 attached in Appendix I: Exhibit 24.

- Dominion has adequate programs, structures and incentives in place to maintain a culture of safety and regulatory compliance for Dominion's employees and its contractors and the extent to which Dominion is responsive to employees or contractors bringing safety issues to management attention;
- The training that Dominion provides to or requires of its employees and contractor personnel for compliance with its standards and procedures is appropriate and effective;
- Dominion's contracts with its contractors are structured to ensure that gas facilities are installed, repaired, or replaced properly, safely, and cost-effectively;
- The methods Dominion employs to track and document work allow for auditing of such work for compliance by both Dominion and the Commission;
- The methods Dominion employs to oversee new construction for compliance with Dominion standards and procedures in the field is adequate and effective;
- Dominion has provided sufficient resources to its gas safety compliance program to adequately and effectively monitor its mandated safety activities and programs for compliance, whether these programs are implemented by Dominion employees or contractor employees.

Finally, given the severity of the violations, Staff recommends that a forfeiture of \$2,500,000 be assessed pursuant to O.R.C. 4905.95(B)(1)(b) against Dominion Energy Ohio for failure to comply with Pipeline Safety Regulations requirements that caused or contributed to this incident. This incident posed a serious danger to the public. Given the destruction that it caused and the location, if this had happened during a period of high traffic, instead of at 1:00am, the likelihood that someone would have been injured or killed would have been significantly higher.

Appendix

Exhibit 1

PUCO #3 Notice_PIR 019



The Public Utilities
Commission of Ohio

Public Utilities Commission of Ohio
Service Monitoring and Enforcement Department
180 East Broad Street, 6th Floor
Columbus, OH 43215

Construction of Important Addition Report

Operator Dominion Energy Ohio	Operator ID 4060	Date Reports Filed
		3/19/2019 1st Report
		6/10/2019 2nd Report
		11/7/2019 3rd Report
Estimated Cost of Project* \$2,978,647.00	Job Numbers PIR 019 - P400008321 - CWO#63683179	
	Brainard Rd	

Construction Location	In road right of way along Brainard Rd and Shaker Blvd	Pepper Pike	Cuyahoga
	(Street Address)	(City, Village or Township)	(County)

Proposed Dates:	Starting 6/3/2019	Completion 9/10/2019
Actual Dates:	Starting 6/10/2019	Completion 11/7/2019

Class Location	New Construction or Replacement	MAOP (psig)	Design Press. of Weakest Element (psig)	Normal Oper. Pressure (psig)
3	Replacement	1	60	1
3	Replacement	95	150	95
3	Replacement	265	449	265

	Size (in)	Length (ft)	Wall Thickness	Grade	Anode	Rectifier
Steel	2	5	0.218	GrB	Y	N
	4	10	0.237	GrB	Y	N
	6	35	0.28	GrB	Y	N
	26	5	0.375	X52	Y	N
	30	3,015	0.375	X65	Y	N

	Size (in)	Length (ft)	SDR	Density (MD, HD)
Plastic	4	1,565	11	HD
	6	1,475	13.5	MD
	8	65	13.5	MD

Description of Project This project consists of replacing existing high pressure bare steel with approximately 3,070 feet of 2, 4, 6, 26, and 30 inch fusion bonded epoxy steel pipe and replacing existing intermediate pressure bare steel with approximately 1,540 feet of 6 and 8 inch MD plastic pipe. 8 services are planned to be impacted. This project is along Brainard Road and Shaker Boulevard in Pepper Pike.

Company Contact for More Info.

Name **Corey Wilcox**
Phone **330-664-2635**
Address **320 Springside Dr, Suite 320**
City **Akron** State **Oh** Zip **44333**
E-Mail corey.a.wilcox@dom.com

Submit Completed Form

E-mail: gps3@puc.state.oh.us
FAX: 614-728-4319
Mail: Chief, Gas Pipeline Safety Section
Public Utilities Commission of Ohio
180 E. Broad St, 6th Fl
Columbus, OH 43215-3793

QUESTIONS? Contact the PUCO at 614-644-8983.

Exhibit 2

Pepper Pike PUCO Data Request (1) Update 3 12-17-19

Questions	Answer	Attachments	Clarification Answers
1. SCADA Log indicating pressure at time of failure or pressure chart from regulator station feeding pipeline (provide documentation).	Not yet available	Previously Provided	
2. Copy of SEA information from incident site and reports		Previously Provided	
3. Who reported NRC from Dominion?		Previously Provided	
4. M.P. at failure site or GPS coordinates.		Previously Provided	
5. Time Detected		Previously Provided	
6. Time Located		Previously Provided	
7. Time of Failure		Previously Provided	
8. Estimated Property Damage		Previously Provided	
9. Copy for Ohio – 2018 7100 report		Previously Provided	
10.Owner; Address; Company Official; Contact Number; and Fax Number		Previously Provided	
11. Map of system		Previously Provided	
12. Copy of Hydro test; MAOP; OP; and what type of OPP		Previously Provided	
13. Elevation profile of Hydro test		Previously Provided	
14. Soil condition at failure site		Previously Provided 2	
15. Construction Report – Ex: Photos, Visual inspections of welds, Radiography, back-fill, coating, testing and etc.	Not yet available	Previously Provided	
16. Information on External Pipeline Examination			
17. Describe failure isolation, what valves were shut, valve number, time shut, whom performed the closure of valves and OQ		Previously Provided	
18. Weather report day of incident		Previously Provided	
19. Gas migration survey		Previously Provided	
20. Environmental Sensitivity Impact Study		Previously Provided 2	
21. Class location		Previously Provided	
22. Sniff testing report post incident, location and individuals OQ		Previously Provided	
23. Leakage survey reports post incident, any leaks, location and individuals OQ		Previously Provided	
24. Pressure Testing History – test date; test medium; pressure; duration; and SMYS at pressure test		Previously Provided	
25. SMYS pipeline		Previously Provided	
26. Any know conditions or actions at failure site?		Previously Provided	
27. Any pipeline history - SRC, unaccounted for gas, or repairs at failure site?		Previously Provided	
28. Timeline of Events (including emergency response, gas control actions).	A timeline meeting was held with all responding groups. To ensure accuracy of times, the results of the meeting is being compared with GPS and Cell Phone records. Waiting for the results to share final report. 12-17-19 - Timeline report attached		See email attachment
29. Copy of the welding procedures used and a copy of the PQR (procedure dated).		Previously Provided	
30. Copy of the boring (tunneling and HDD) procedures for the equipment used for construction (procedure dated).		Previously Provided	
31. Copy of the Accidental Prevention of Ignition procedures (procedure dated).		Previously Provided	
32. Copy of the Application of Coating procedures (procedure dated).		Previously Provided	
33. Copy of the Pipeline Depth procedure for distribution (procedure dated).		Previously Provided	
34. Copy of Welding Inspectors duties at job site		Previously Provided	
35. Elevation of incident site.		Previously Provided 2	
36. Regulator station(s) information feeding damaged pipeline and elevation.		Previously Provided	
37. Copy of individuals at site post incident.		Previously Provided	
38. Names of contractors performing work during this construction process.		Previously Provided 2	
39. Copy of inspectors, job title, phone number whom worked on the construction of the pipeline.		Previously Provided 2	
40. Copy of contractor(s) OQ and what tasks the contractor performed during the construction process.		Previously Provided 2	
41. Copy of each Dominion employee who performed work during this construction process, title, OQ task and phone number.		Previously Provided 2	

42. Any type of soil study performed prior to boring and installation of pipeline? If so, who performed the study and a copy of the study.		Previously Provided	
43. Copy of the hot tap procedures used and a copy of the PQR (procedure dated).		Previously Provided	
43. (Clarification) The hot tap procedures were not provided. Staff witnessed several 2" hot taps installed for venting purposes during the excavation of evidence in addition to what was installed during the initial construction project.			In addition to the last data update, attached is additional hot tap documents that more specifically answers question #43.
44. Copy of the Dominion incident report.		Previously Provided	
44. (Clarification) We are looking for the incident report filled out by the first responder. It is Dominion form number 751514.		Previously Provided	
45. Dominions call log from the control center from the day of the incident.		Previously Provided	
45. (Clarification) The incoming/outgoing call log from the control center was not provided.		Previously Provided	
46. Call log from the dispatch center.		Previously Provided	
46. (Clarification) The incoming/outgoing call log from the dispatch center was not provided. This should include calls to first responders and any other individuals involved with the emergency response.		Previously Provided	
47. GPS information from the inspectors that were overseeing the PIR project involved with the incident.		Previously Provided	
48. SAMS map used by the first responders from the day of the incident.		Previously Provided	
49. Actions taken by the gas controller during the incident.		Previously Provided	
49. (Clarification) Staff was informed during the incident that Gas Control began to lower pressures, then realized that customers had a pressure loss due to the lower pressure and gas control increased pressures. We need a detailed timeline of events from the controllers on duty.		Previously Provided	
50. Copy of the Gas Control procedures.		Previously Provided	
50. (Clarification) We requested the entire control room procedures, not just the emergency response procedures.		No attachments	Delivered to Chris D 12-17-19
51. Work schedule and timecard information for controller on duty at the time of the incident.		Previously Provided 2	
51. (Clarification) We would like see at least one week prior to the incident on the employees timecards.			See email attachment
52. Drug and alcohol information for all DRS employees involved with the initial construction project for the involved pipeline. List of DRS employees in the consortium during the time of construction, random rates, and MIS report.	In regards to question 52, attached are the requested drug pools and 2019 MIS reporting data that includes the random rates. The attachments are for DRS, Acuren and BJI employees. The 2019 MIS report data are screen shots from the Veriforce website. It shows the current %, target of 50%, and total numbers in the pool vs. test for calculation. The attached 2019 drug testing pools were provided by Veriforce. The employees on PIR 019 are highlighted on the reports. It was reported that DRS manages their own testing pool, while BJI and Acuren are part of a consortium pool.	See email attachment	
53. Can someone please provide the welding procedure checklist and documentation required by the checklist for the welding that occurred on PIR project 019- Brainard Rd. This is in response to the PNC issued in 2017 (See attached PNC under 192.241).		Previously Provided	
54. Did all of the welders involved with the project in Pepper Pike have the Acuren Welding Inspection certification class as required by your PNC response dated April 24, 2017 (See below)? Please provide the certifications of training from Acuren for all of the welders involved with the PIR-019 Brainard Rd. project, along with Acuren's training program.	Yes. Confirmed with Acuren 11-27-19, but waiting on documentation. Previously provided training materials and emails. 12-17-19: Attached is the OQ history....this is incorporated into OQ task 0811 - OQ class performed by Acuren. It is also confirmed this is included for contract welders on a 3 year interval (it was initially reported there was not a "refresher")	See email attachment	
55. Mike P called Jeff and asked: Is there a refresh interval that welders are required to take Acuren Welding Inspection Certification	11-27-19 Jeff B provided to PUCO via email. 12-17-19: Updated that this is included on a 3 year interval with OQ Task 0811 -OQ class performed by Acuren	No attachment - see updated answer	

56. Could please provide the name of auger machine used at the failure site (Brainard Circle), copy of the manufacturer procedure to operator, type of auger bore and the size of the cutting head? Some common names for auger bores are Horizontal Earth boring or Jack and Bore.	DRS provided the following information regarding the boring machine: Manufacturer: American Augers Model Number: 36/42 600D Serial Number: NG366004260515 Equipment Owner: DRS Enterprises, Inc. Type of boring auger and size of cutting head: Flat face rockhead 32"	
	Name(s) of equipment operators on site in Pepper Pike: John Salvatore & Neb Turundzilovic	Attached auger machine manufacturer procedure
	57. Also were the individuals OQ qualified to operate this auger machine (New Construction – Excavation)?	
	58. Can someone take photo documentation of the lowering to confirm the proper depth.	OQ reports attached to email See email attachment
	59. Can someone please provide a map with the current stationing for all of the welds that were involved with the NDT. I know in a previous email you stated Jason Harris would provide this (November 26,2019).	Previously Provided Previously Provided

Exhibit 3

ConstructionReport_11 - 22 – 2019

Construction Report

Report Number 62.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Monday, 08/26/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	59°F	Asphalt	Dry	Cloudy
04:30 PM	74°F	Asphalt	Dry	Cloudy

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 04:30 PM (9H 30M)

DRS Enterprises tied in the 8" plastic LP main on the north side of the circle. The crew also tied in the main at Brainard and Belgrave. The line was purged and the main loaded. The boring crew was on site today to find elevations preparing for the bore across the north side of the circle. DRS is still trying to locate the sanitary sewer that is shown on the plans. A call was placed to the Cuyahoga County Sanitary Dept. but the foreman has not heard back from the County Engineer. This crew also put together two trench boxes.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

4x Flagger, 1x Foreman/Laborer, 1x Foreman/Operator, 2x Laborer, 2x Operator

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x AWP Pickup Truck, 1x Box Utility Truck, 1x 185 Air Compressor, 1x CAT Excavator, 1x CAT 420 Backhoe

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:30 PM	9H 30M	
	Total:	9H 30M	

Approved By

System Administrator

Created By

Mike Artino

Construction Report

Report Number 62.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Monday, 08/26/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Attached Images

The tie-in on the north side of the circle.



The tie-in at Brainard and Belgrave.



Approved By

System Administrator

Created By

Mike Artino

Construction Report

Report Number 63.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Tuesday, 08/27/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	65°F	Asphalt	Dry	Cloudy
04:30 PM	70°F	Asphalt	Wet	Rain

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 04:30 PM (9H 30M)

DRS Enterprises finished putting together four trench boxes. The boxes were erected and set to the side. Orange fencing was put up around the trees bordering their excavation area. The crew then built a temporary walkway on the north side of the circle. Using #304 limestone, the path comes off of the existing path, down near the road and back up to meet the existing path on the other side. The existing path is still open until tomorrow when the signage will be put in place.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 4x Flagger, 1x Foreman/Operator, 2x Laborer, 1x Operator

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x AWP Pickup Truck, 1x Single Axle Dump Truck, 2x Utility Truck, 1x Welder/Torches, 1x CAT Mini Excavator, 1x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:30 PM	9H 30M	
	Total:	9H 30M	

Approved By

System Administrator

Created By

Mike Artino

Construction Report

Report Number 63.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Tuesday, 08/27/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Attached Images

DRS putting together a trench box.



DRS putting in the temporary walk.



DRS putting in the temporary walk.



Approved By

System Administrator

Created By

Mike Artino

Construction Report

Report Number 64.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Wednesday, 08/28/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	65°F	Asphalt	Damp Surface	Clear
06:00 PM	76°F	Asphalt	Dry	Partly Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

DRS Enterprises dug the bore pit today. The excavation was approximately 18' deep and 40' long. Four trench boxes were used for shoring. First, a 24' box was set in with another placed on top. Two 15' boxes were then put in the same way behind the first two.

Steel plates were placed upright at the front of the excavation. Concrete barricades were placed in front of the excavation, across from Brainard. Fencing was used around the rest of the excavation.

AWP erected two signs at both ends of the temporary walkway. One sign read "Uneven Pavement", the other said "Loose Gravel". AWP also maintained traffic throughout the day on the north side of the circle.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x Flagger, 1x Foreman/Operator, 2x Laborer, 1x Operator

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x AWP Pickup Truck, 1x Single Axle Dump Truck, 2x Utility Truck, 1x CAT 320E Excavator, 1x CAT 329E Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

Chris Keserich

Created By

Mike Artino



Construction Report

Report Number 64.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Wednesday, 08/28/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Attached Images

Signs erected at both ends of the temporary walk.



DRS digging the bore pit.



Approved By

Chris Keserich

Created By

Mike Artino

Construction Report

Report Number 66.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Thursday, 08/29/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	59°F	Asphalt	Dry	Sunny
05:00 PM	77°F	Asphalt	Dry	Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:00 PM (10H 0M)

DRS Enterprises had two crews on site. The first crew spent the entire morning pumping water out of the bore pit. They brought in a 3" pump which finally did the job. After it was pumped out, the south end of the pit was cleaned out and steel plates were placed at the back end. A light plant was brought in for power to run the pump 24/7.

The second crew completed the open cut on the east end of the circle. 4" plastic pipe was welded together and placed in the trench. The trench was backfilled except for the end where the tie-in will be. All excavations were secured for the evening. AWP maintained traffic throughout the day.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 4x Flagger, 1x Foreman/Laborer, 1x Foreman/Operator, 3x Laborer, 2x Operator

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x AWP Pickup Truck, 1x Box Utility Truck, 1x Single Axle Dump Truck, 2x Utility Truck, 1x CAT 329E Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	
	Total:	10H 0M	

Approved By

Chris Keserich

Created By

Mike Artino

Construction Report

Report Number 66.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Thursday, 08/29/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Attached Images

DRS pumping water from the bore pit.



Open cut on the east side of the circle.



Approved By

Chris Keserich

Created By

Mike Artino

Construction Report

Report Number 65.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Friday, 08/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 7x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	70°F	Asphalt	Dry	Hazy / Humid
05:00 PM	73°F	Asphalt	Dry	Cloudy / Sunny

Remarks

3 Crews here today, all showed up at 7:00am.

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 04:00 PM (9H 0M) / Shift work. No lunch

Crew show up at 7:00am. Split into 2 crews. One crew start at bore pit. Pumped out water at bottom of pit. Then started to lay track for the bore machine. Track was in place by the end of the day.

The second crew start to do general clean up on South side of circle where the asphalt was to be placed. They then moved around the square a little ways to clean up pieces of concrete and fill and tamp sidewalk areas. Smooth off grass area hand seed and straw on top. Crew set up snow fencing for the holiday weekend. Crew left at 4:00pm.

2. AWP (Area Wide Protection)

07:00 AM - 05:00 PM (10H 0M) / Shift work. No lunch

3 crew showed up at 7:00am. Two crew around the square shut down one lane leave rough two lanes open. Third crew worked with asphalt company. Maintained one lane of traffic while one side was paved. Then switching lanes to pave the other. Closed down bike path. Closed down the lanes when needed. Crew left at 5:00pm.

3. Sealing Concepts Limited (SCL)

07:00 AM - 05:00 PM (10H 0M) / Shift work. No lunch

Crew showed up at 7:00am. Crew start to work on south side of square. Moving steel plates from roadway. Prepared roadway on one side to receive asphalt. Laid one layer of asphalt down then move to other lane, AWP switched the lanes of traffic. Crew dug out stone that was in place. Cut all rough edges of asphalt, dug out concrete overflow, tar and then scratch coat of asphalt, followed by a finish coat of asphalt. Scratch coat and finished coat on the walking trail. Then switch back to original side to put the finish coat on to that side of the road.

Crew then moved up to Belgrave Drive to asphalt that road. DRS crew member moved a road plate and damage part of the road. See file. Asphalt crew prepared roadway. Then put down 2 layers of asphalt a scratch coat and finished coat, they also fixed the damage done by the DRS crew member. Crew sealed all cracks and put sand on sealers. Crew finished up at 5:00pm.

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 65.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Friday, 08/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 7x Images

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x Foreman, 1x Inspector, 3x Laborer, 3x Operator

AWP (Area Wide Protection) 6x Flagger

Sealing Concepts Limited (SCL) 1x Foreman/Operator, 5x Laborer

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x Foreman Pickup Truck, 1x CAT Excavator, 1x CAT 289C Skid Steer, 1x CAT 321D Excavator, 1x Ford F-350 Crew Cab Pickup Truck, 1x Komatsu 78 Mini Excavator

AWP (Area Wide Protection) 3x AWP Pickup Truck

Sealing Concepts Limited (SCL) 1x Asphalt Paver Machine, 1x Asphalt Roller, 1x Asphalt Saw, 1x Box Utility Truck, 1x CAT 289C Skid Steer

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	Shift work no lunch
	Total:	10H 0M	

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 65.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Friday, 08/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 7x Images

Attached Images

Bike path clear out ready for asphalt



Roadway ready for asphalt



Laying asphalt First layer



Asphalt down



Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 65.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Friday, 08/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 7x Images

Asphalt down



Damage done by DRS Crew member.



Tracks ready at bottom of bore pit.



Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report**Report Number** 67.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Jay Nagy**Report Date** Tuesday, 09/03/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 4x Images**Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	59°F	Asphalt	Dry	Fog
05:00 PM	82°F	Asphalt	Dry	Overcast

Remarks

Four crews were on site today. All crews started at 7:00 a.m.

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)****07:00 AM - 06:30 PM (11H 30M) / Shift work, no lunch**

Crew started at 7:00 am. Four crews on site today. One crew at the bore pit, had to start pumping out water from the pit because, the sump pump that they had installed which was powered by a light tower, ran out of gas on Monday.

Pit crew then finished up the track for the bore machine. Set up the bore machine. After bore machine was set, bore crew started the bore. Bore crew is boring through shale, so it will be a slow process. Crew pulled machine out of pit overnight, scooped out shale from bore. Crew finished up at 6:30 p.m.

The second crew (trench crew), started by cutting the sidewalk on north side of square for a trench for the pipe. The trench crew dug a trench to tie the pipes together. Trench crew left two welders on north side of square to weld plastic pipes together. After pipes were welded; the crew backfilled the trench compacting and smoothing with bucket. The trench crew then moved to under bridge area to pull out the concrete that had been cut earlier in the morning. The crew then started to enlarge the trench. Dirt was removed and put in a dump truck to be hauled off site. Cones and snow fencing was used around the pit under the bridge. Trench crew left at 5:30 p.m.

The third crew (cut crew), cut the asphalt road, but did not remove asphalt. The cut crew moved to under the bridge to cut the concrete so that an existing trench could be enlarged. Cut crew finished up and left about 10:30 a.m.

The fourth crew tied in services to house along Brainard Road. Service crew left at 6:00 p.m.

AWP set up a zone for this crew to work and park the truck.

2. AWP (Area Wide Protection)**07:00 AM - 06:30 PM (11H 30M) / Shift work, no lunch.**

Started at 7:00 a.m. Two crews out today.

One crew set up a zone on north side of square, near bore pit. Other crew set up zone on square, where road is to be cut.

Crew set up zone on Brainard.

Crew from north side of square moved to set up a zone under the bridge, one lane was shut down, traffic flowed through other lane.

Traffic was maintained all day.

Last crew left at 6:30 p.m.

Approved By

System Administrator

Created By

Jay Nagy

Construction Report

Report Number 67.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Tuesday, 09/03/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Foreman/Operator, 2x Inspector, 4x Laborer, 3x Operator, 2x Welder

AWP (Area Wide Protection)

8x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Box Utility Truck, 1x Concrete Road Saw, 1x Foreman Pickup Truck, 1x Welding Truck & Equipment, 2x CAT Excavator, 1x CAT 289C Skid Steer, 1x CAT 321D Excavator, 1x Ditch Witch Vac Trailer

AWP (Area Wide Protection)

2x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:30 PM	11H 30M	Shift work, no lunch
	Total:	11H 30M	

Approved By

System Administrator

Created By

Jay Nagy

Construction Report

Report Number 67.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Tuesday, 09/03/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Attached Images

Cut crew cutting asphalt road.



Cut concrete and enlarged pit under the bridge.



Sidewalk cut. Creaked Concrete apron.



Pipe being welded together



Approved By

System Administrator

Created By

Jay Nagy

Construction Report

Report Number 68.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Wednesday, 09/04/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	71°F	Asphalt	Dry	Partly Cloudy
04:00 PM	68°F	Asphalt	Dry	Cloudy

Remarks

Three DRS crews arrived at 7:00 a.m. Only two AWP crews showed up at 7:00 a.m. Other AWP crew got here about 8:00 a.m.

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 04:30 PM (9H 30M) / Shift work. No lunch

Three crews on site today. All crew on site at 7:00 a.m.

Bore crew started by get a clamp for the next piece of pipe and bit. Then they placed the machine back into pit. They took another piece of pipe with an auger in it and, placed it in the pit, welding the pipe case together.

The crew had some problems with lining the new piece of pipe with the machine. They had to cut the weld in order line up the bore machine. Once casing was welded, the crew started boring again. The crew finished bore, cleaned out pit of shale and, placed another piece of pipe case and auger. Pipe casing was welded into place. The crew blocked pipe and pulled machine out of pit.

Trench crew started by removing the asphalt that had been cut yesterday and, dug a pit to place tees. This crew found the curb drain pipe and an abandoned metal pipe (see file #2), about 18 inches to the north of existing gas line. No abandoned or active lines can be found on anyone's prints in that area. The trench was enlarged so the crew could decide which side and, how to tie in the 4 inch line. The trench was snow fenced in for the night.

Third crew was putting in more service lines in on Brainard Road. The service crew yesterday (Sept. 3 2019) installed new services to the following addresses on Brainard Road: 2859, 2849, 2853 and 2878. On (Sept. 4, 2019) service crew installed new services to the following addresses on Brainard Road: 2873, 2879 and 2865. House number 2865 Brainard; no one was home so the crew couldn't tie in the service. As of 4:30 p.m. the light crew had not showed up at the two houses that were tied in today.

Trench crew was done at 3:30 p.m. Pit crew was done at 4:00 p.m. Service crew left at 4:30 p.m.

2. AWP (Area Wide Protection)

07:00 AM - 04:30 PM (9H 30M) / Shift work no lunch

Two crews arrived at 7:00 a.m. Other crew arrived between 8:00-8:30 a.m. One setting up zones on south side of square by bore pit. One crew set up a zone around where the asphalt cut was made yesterday. After that zone was set up, that crew

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 68.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Wednesday, 09/04/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

moved on to Brainard for service crew. The third crew arrived between 8:00-8:30 a.m. and took over for the crew on Brainard Road. Traffic flow was a lot better today than it was yesterday. Crew left at 4:30 p.m.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Foreman/Operator, 6x Laborer, 4x Operator, 2x Welder

AWP (Area Wide Protection)

6x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Boring Machine, 1x Dual Axle Dump Truck, 1x Foreman Pickup Truck, 1x Utility Truck, 1x Welder/Torches, 2x Welding Truck & Equipment, 1x CAT Excavator, 2x CAT 321D Excavator

AWP (Area Wide Protection)

3x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:30 PM	9H 30M	Shift work. No lunch
	Total:	9H 30M	

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 68.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Wednesday, 09/04/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

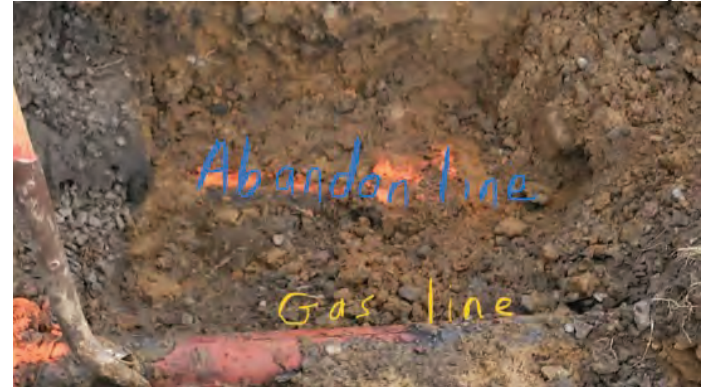
Report List 3x Images

Attached Images

Pulling out road asphalt.



Abandoned line, looks like water, unsure what it use to carry.



Trench that was enlarged so that crew can figure out how to tie 4 inch in.



Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report**Report Number** 69.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Jay Nagy**Report Date** Thursday, 09/05/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 2x Images**Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	48°F	Asphalt	Damp Surface	Clear
04:30 PM	68°F	Asphalt	Dry	Clear

Remarks

Three crews for DRS showed up at 7:00 a.m. Three crews for AWP showed up at 7:30 a.m.

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)****07:00 AM - 05:30 PM (10H 30M) / Shift work, no lunch**

Three crews on site today. All crews showed up at 7:00 a.m. AWP was not on site until 7:30 a.m., no work was started until AWP showed up.

Bore crew started by putting machine into pit, hooking it up to the auger and pipe casing that was welded yesterday. Then the crew began to bore. Still boring through shale so, its slow going. After finishing that piece, the crew pulled out the loose shale from the pit, put in another case and auger piece and welded that to the existing case and auger. Boring continued. After that piece was in, crew pulled out loose shale, and then put in another casing and auger getting it ready for tomorrow. Crew ended with pulling the machine out of the pit.

The second trench/tapping crew, started to work where the road was cut out and a trench was dug yesterday, on the east side of the square. The crew started to put in tee; 45 degree, 90 elbows and piping to tie in the 4 inch line. 4 inch line was tied in. The third crew, service crew started on Brainard Rd. Starting with address 2865 Brainard this was the house that no one was home yesterday. Service crew is hoping to get to the long service mains that they have not been able to get to because of missing parts and not having a drill. Service line was installed at address 2865 Brainard Rd., crew looked for old service line on the two houses that need new service line, waiting for drill. While crew was waiting for drill the crew pressure tested saddles on the pipe line. Service crew moved back to square to remove bypass. Drill did not show up today. All crews finished up at 5:30 p.m.

2. AWP (Area Wide Protection)**07:30 AM - 05:30 PM (10H 0M) / Showed up late. Shift work no lunch**

Three crews showed up at 7:30 a.m. one crew set up a zone near the bore pit in one lane of the square.

The second crew was with the service crew, they set a zone with two flaggers on Brainard Rd. Traffic was maintained in both zones.

The third crew set up a zone on the east side of the square where the road cut is. When the DRS crew moved to under the bridge the crew set up a zone under the bridge, leaving one lane of traffic open and flowing. Crews left at 5:30 p.m.

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 69.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Thursday, 09/05/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Foreman/Operator, 2x Inspector, 5x Laborer, 3x Operator, 2x Welder

AWP (Area Wide Protection)

6x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Bore Machine, 1x Box Utility Truck, 1x Foreman Pickup Truck, 2x Welding Truck & Equipment, 1x CAT Excavator, 1x CAT Mini Excavator, 3x CAT 320E Excavator, 1x CAT 321D Excavator, 1x CAT 420 Backhoe

AWP (Area Wide Protection)

3x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:30 PM	10H 30M	Shift work, no lunch
	Total:	10H 30M	

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 69.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Thursday, 09/05/2019

Job Number 60-2019-933

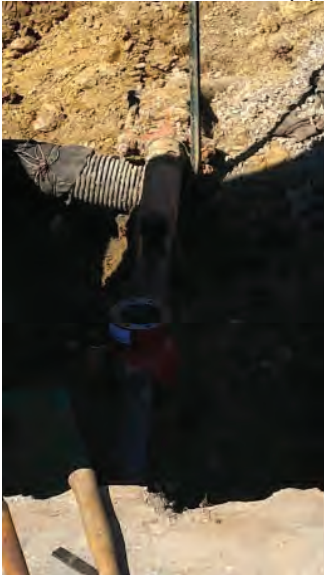
Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Attached Images

Saddle tee to tie in 4 inch pipe, under road.



4 inch tie in on east side of square were road cut out.



Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 71.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Friday, 09/06/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	52°F	Asphalt	Dry	Sunny
05:00 PM	73°F	Asphalt	Dry	Partly Cloudy

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:00 PM (10H 0M)

DRS Enterprises had three crews on site. One crew continued with the boring beneath the north side of the circle. 40' of pipe was pushed in. They have about 20' to go. The second crew blew the pig through the 4" plastic pipe on Shaker. This pipe was then pressure tested. It was tested for one hour and passed with no problems. The crew also exposed the service line for the synagogue at the new Brainard. This was exposed on the north side of Shaker to prepare for the tie-in. The third crew completed the last two residential services. The first service, HN 2850, was bored under Brainard and tied in after the service valve. The second, HN 2858, needed to be bored to the house. It was tied in at the meter. The storm clean-out at HN 2850 was repaired. This crew also backfilled behind the curb at Brainard and Belgrave. AWP provided traffic maintenance throughout the day.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 6x Flagger, 1x Foreman/Laborer, 2x Foreman/Operator, 5x Laborer, 3x Operator, 2x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 3x AWP Pickup Truck, 1x Box Utility Truck, 2x Directional Boring Machine, 2x Foreman Pickup Truck, 1x Single Axle Dump Truck, 1x Welder/Torches, 1x 185 Air Compressor, 2x CAT Mini Excavator, 1x CAT 321D Excavator, 1x Ford F-350 Crew Cab Pickup Truck, 1x John Deere 310 Backhoe

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	

Approved By Chris Keserich

Created By Mike Artino



Construction Report

Report Number 71.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Friday, 09/06/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
	Total:	10H 0M	

Approved By

Chris Keserich

Created By

Mike Artino



Construction Report

Report Number 71.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Friday, 09/06/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Attached Images

Backfilling behind the curb at Brainard and Belgrave.



The tie-in at the east end of the circle.



DRS boring under the circle.



Repaired clean-out at 2850 Brainard.



Approved By

Chris Keserich

Created By

Mike Artino

Construction Report

Report Number 70.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Saturday, 09/07/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	62°F	Asphalt	Dry	Cloudy
01:30 PM	67°F	Asphalt	Dry	Cloudy

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 01:30 PM (6H 30M)

DRS Enterprises had two crews on site today. The first crew tied in the 8" crossover LP line to the new 8" plastic on the east side of Brainard at HN 2873. A 2" double by-pass was set up first. After completion, half of the excavation was backfilled. The other half was fenced, The second crew completed the boring under the north side of the circle. The vac-truck was on site locating the water main on the northwest corner of Brainard at the circle. The boring machine was lifted out of the pit. The spoils were cleaned out of the pit with a clam bucket before calling it a day. AWP maintained traffic throughout the day.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

4x Flagger, 1x Foreman/Laborer, 1x Foreman/Operator, 4x Laborer, 2x Operator, 2x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x AWP Pickup Truck, 1x Boring Machine, 1x Box Utility Truck, 1x Foreman Pickup Truck, 1x Welder/Torches, 1x 2100 Vac Truck, 1x CAT Mini Excavator, 1x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	01:30 PM	6H 30M	
	Total:	6H 30M	

Approved By

Chris Keserich

Created By

Mike Artino

Construction Report

Report Number 70.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Mike Artino

Report Date Saturday, 09/07/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Attached Images

DRS pot holing to locate the water main.



DRS removing the spoils from the bore pit.



Approved By

Chris Keserich

Created By

Mike Artino

Construction Report**Report Number** 72.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Jay Nagy**Report Date** Monday, 09/09/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 3x Images**Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	60°F	Asphalt	Dry	Cloudy
04:30 PM	73°F	Asphalt	Dry	Clear

Remarks

Three crews showed up at 7:00am.

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)****07:00 AM - 04:30 PM (9H 30M) / Shift work. No lunch**

Three crews on site today, started at 7:00am. Bore crew, service crew and trench crew.

Bore crew started by digging loose shale out of the bore pit. Move to north side of road on the square, west of Brainard.

Started digging to find bore head to see why the boring stopped on Saturday and couldn't go any farther. Bore crew not being able to find the bore head has decided to try backing out the bit to see what happen. Bore crew pulled back auger and found that one of the pins holding an auger was missing. 30 foot of auger was still in the pipe. Bore was not found today. Crew was given permission to take out man hole #24 chamber with the understanding that if it need to go back in that they are responsible for it.

Service crew started to remove bypasses, cutting and capping ends of pipes that are to be abandoned. Crew set up on North side of the square on North side of road, in the area between Shaker and Brainard. Backfilling an area that was done.

Backfilling, compacting with bucket, raked and straw place on top.

Trench crew is waiting for the valve crew from Dominion to show up to valve their pipe work from the other day. Crew pulled off road plates on the east side of the square. They will be working on the east side of square, under the bridge, and station area of square. Lines were tied in, cut, capped, tested and some were backfilled.

All crew left at 4:30pm.

2. AWP (Area Wide Protection)**07:00 AM - 04:30 PM (9H 30M) / Shift work no lunch**

Two crew started at 7:00am. Another two crews started at 8:30am.

One crew set up a zone going around the square, half way starting at the east cut out in the road and continuing around the north side of the square.

Second crew followed the service crew, setting up a zone on square, traffic was maintained by AWP, traffic kept flowing, then crew following service crew on to Brainard and setting up a zone with two flaggers.

Third crew followed the trench crew around. Setting up zones under the bridge and by the station on south side of square.

Fourth crew helped with the zone on Brainard. One lane was maintained with two flaggers. All crews left at 4:30pm.

Approved By

System Administrator

Created By

Jay Nagy

**Construction Report****Report Number** 72.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Jay Nagy**Report Date** Monday, 09/09/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 3x Images**Workforce Totals****Dominion East Ohio-General / DRS Ent. - Sub (Prime)**

1x Foreman, 2x Inspector, 4x Installer/Technician, 6x Laborer, 3x Operator, 1x Welder

AWP (Area Wide Protection)

5x Flagger, 1x Foreman

Equipment Totals**Dominion East Ohio-General / DRS Ent. - Sub (Prime)**

1x Box Utility Truck, 1x Foreman Pickup Truck, 4x Utility Truck, 1x Welding Truck & Equipment, 1x CAT Excavator, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator, 1x CAT 420 Backhoe

AWP (Area Wide Protection)

3x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:30 PM	9H 30M	Shift work. No lunch
	Total:	9H 30M	

Approved By

System Administrator

Created By

Jay Nagy

Construction Report

Report Number 72.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Monday, 09/09/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Attached Images

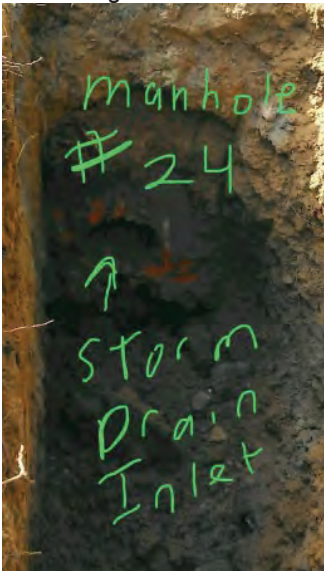
Backfilling on corner of Brainard and shaker



Previously broken storm drain from daylight to curb drain on Brainard.



Storm drain inlet into manhole 24 chamber. Siding on North side facing south. Believe to be abandoned.



Approved By

System Administrator

Created By

Jay Nagy

Construction Report
Report Number 73.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Tuesday, 09/10/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	63°F	Asphalt	Dry	Clear
05:00 PM	86°F	Asphalt	Dry	Hazy / Humid

Remarks

Crew showed up at 7:00am.

Description of Work
1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)
07:00 AM - 06:30 PM (11H 30M) / Shift work, no lunch

Two Crew on site today, both crews showed up at 7:00am. Bore crew and trench crew. Waited for AWP to show up. One crew for AWP showed up at 7:30.

Bore crew had to wait to get a bigger excavator before work could continue. Bore crew did some general clean up of the pit, pulling loose shale out and adding more stone into the pit. Move some dirt around so it wouldn't be in there way. Bigger excavator showed up bout 11:00am. Digging to locate bore head started about 11:30am. Digging through shale is slow going. Pit is about 20 feet deep and still haven't found it. Man hole chamber #24 was removed to help locate the bore head. Jersey road barrier were put in place between the pit and the road. The pit was also plated and snow fenced. Crew left at 6:30pm. Trench crew had to wait until another AWP crew to show up before starting to backfill under the bridge. Crew started general clean up off the road area. After AWP showed up trench crew started under the bridge to backfill that hole with sand and compacted with the bucket. Sand had to be dumped on the road and shoveled into the hole. One lane of traffic was maintained. Both lanes were stopped for a brief time to let dump truck dump it's load. Roadway was sweep clean and snow fencing was placed around the hole. Trench crew left at 2:00pm.

2. AWP (Area Wide Protection)
07:00 AM - 06:30 PM (11H 30M) / Shift work, no lunch

One crew showed up at 7:30am, Set up zone on North side of square. QCI rep called in for another crew was promised a crew between 8:30-9:00am. Other crew showed up at 8:15am. The second crew set up a zone on the east side of the square around the road cut out. That crew also set up a zone under the bridge. First crew set up a zone on Brainard closing down one lane of traffic. Traffic was maintained with two flaggers. One Crew left at 5:00pm. Other crew left at 6:30pm.

Workforce Totals
Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Foreman/Operator, 2x Inspector, 3x Laborer, 2x Operator, 1x Welder

AWP (Area Wide Protection)

3x Flagger, 1x Foreman

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 73.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Tuesday, 09/10/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Bore Machine, 1x Foreman Pickup Truck, 1x CAT Mini Excavator, 1x CAT 289C Skid Steer, 3x CAT 329E Excavator, 1x CAT 330B Excavator, 1x Ford F-350 Crew Cab Pickup Truck

AWP (Area Wide Protection)

2x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:30 PM	11H 30M	Shift work, no lunch
	Total:	11H 30M	

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 73.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Tuesday, 09/10/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Attached Images

Digging to find bore head.



Open pit, trying to find bore head.



Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 74.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Wednesday, 09/11/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 1x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	71°F	Asphalt	Dry	Clear
05:30 PM	83°F	Asphalt	Wet	Cloudy

Remarks

Crew arrived at 7:00 a.m.

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:00 PM (10H 0M) / Shift work, no lunch

One crew arrived today at 7:00 a.m. Bore crew had a camera truck show up first thing in the morning to run a video camera (with a GPS on it), down the pipe to see if we can locate the auger and get a general idea of where the drill head is. Camera went down 92 feet and found the end of the auger. They were not able to locate with the GPS because of the steel casing. The crew continued to dig on exit pit side to see if they could find the bit. A box utility truck showed up with an auger head from a directional boring machine to see if he could locate where the casing is. Casing could not be located. The crew got a sump pump and pumped out the casing; sump pump seem to work. Tomorrow morning crew will pump out casing and send someone into the casing to hook a chain onto the auger to pull it out. Crew left at 5:00 p.m.

2. AWP (Area Wide Protection)

07:00 AM - 05:00 PM (10H 0M) / Shift work, no lunch

Crew arrived at 7:15 a.m. and, started to set up signs. The crew set up a zone around north side of the square, also down Brainard Rd. around the exit pit. Two lanes of traffic were maintained on Brainard. Traffic flowed well all day, with a few exceptions of people turning the wrong way. About 10:45 a.m., when AWP was directing traffic a grey car turn left (the wrong way) on a one way street; did not respond to the flaggers yelling "stop, you're going the wrong way". The car turned onto Shaker Blvd. and sat for a few minutes. Then the car came back (the correct way) to the flaggers. The flagger was nice and informed the lady that she had been going the wrong way. The woman in the car informed the flagger that she was directed that way. QCI Rep., who was watching the traffic, saw the flagger direct the grey car the correct way, but the grey car still went the wrong way. Crew left at 5:00 p.m.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Foreman, 2x Inspector, 3x Laborer, 2x Operator, 1x Welder

AWP (Area Wide Protection)

2x Flagger

Approved By

System Administrator

Created By

Jay Nagy

Construction Report

Report Number 74.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Wednesday, 09/11/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 1x Images

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Bore Machine, 1x Box Utility Truck, 1x Foreman Pickup Truck, 1x Welding Truck & Equipment, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator, 1x CAT 330B Excavator

AWP (Area Wide Protection)

1x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	Shift work, no lunch
	Total:	10H 0M	

Approved By

System Administrator

Created By

Jay Nagy

Construction Report

Report Number 74.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Wednesday, 09/11/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 1x Images

Attached Images

Exposed water line with existing rust by joint.



Approved By

System Administrator

Created By

Jay Nagy

Construction Report

Report Number 75.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Thursday, 09/12/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	69°F	Asphalt	Wet	Light Rain
06:00 PM	70°F	Asphalt	Damp Surface	Cloudy

Remarks

Crew showed up at 7:00am.

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M) / Shift work, no lunch

Crew start at 7:00am. One crew on site today. Bore crew started by pumping out casing. Once casing was pumped out. Crew sent a crew member into the casing to hook a chain to the auger to pull it out with the bore machine. Crew member come across one of the weld that had broke on the bottom edge three quarters of the way around, meaning that part of the bore started to go back up. Crew is putting auger back in the casing to see if they can attach back onto it and back the augers out by rotating it. Crew thought they had the lost augers and head but nothing come out. A guy name James from the city come over to Qci rep and inform rep that on South side of square on the cut of near the crosswalk the ground sank in because of all the rain. Dominion inspector and crew went over to look at it. See file 2&3. Crew temporarily fixed with gravel and plywood. Crew put augers back into hole to see if they can hear or see the bore head in the exit pit. Found exit pit was half full of water. Crew had to pump out water, half the water was pumped out. Crew heard the bore head but didn't see it. The crew has idea of where it is. Crew is getting a bigger machine. Road was sweep and edges were flat shovel of mud. Crew left at 6:00pm.

2. AWP (Area Wide Protection)

07:30 AM - 06:00 PM (10H 30M) / Shift work, no lunch

Crew showed up at 7:30am. Set up zone around North side of square. Crew set up a zone on Brainard rd. Maintained one lane of traffic. Traffic flow was good all day. Crew left at 6:00pm.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)	1x Foreman/Operator, 2x Inspector, 2x Laborer, 1x Operator, 1x Welder
AWP (Area Wide Protection)	2x Flagger

Approved By

Chris Keserich

Created By

Jay Nagy



Construction Report

Report Number 75.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Thursday, 09/12/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Bore Machine, 1x Foreman Pickup Truck, 1x Welding Truck & Equipment, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator, 1x CAT 330B Excavator, 1x John Deere 310 Backhoe

AWP (Area Wide Protection)

1x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	Shift work, no lunch
	Total:	11H 0M	

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 75.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Thursday, 09/12/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Attached Images

Crew member going into the casing.



South side of square where area of crosswalk was cut out.



Temporary fix.



Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 76.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Friday, 09/13/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	66°F	Asphalt	Dry	Overcast
03:00 PM	86°F	Asphalt	Dry	Overcast

Remarks

Only one crew for DRS today. Crew showed up at 7:00am.

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 03:00 PM (8H 0M) / Shift work, no lunch

Bore crew is only crew here at 7:00am. Crew started doing general clean up in bore pit. Crew waiting for bigger excavator. While waiting for excavator, crew pumped out water from exit pit. Crew and Qci rep got word that the excavator will not be here until Monday morning. Crew was inform to box and backfill boxes at exit pit for the weekend. Boxes showed up about 11:00am. Crew assembled two boxes and placed them in the exit pit (both boxes were put beside water line. See file). The outside of the boxes were backfilled. Jersey curbs, snow fencing and road plates were put on and around exit pit. Road way was sweep. Crew left at 3:00pm

2. AWP (Area Wide Protection)

07:30 AM - 03:00 PM (7H 30M) / Shift work, no lunch

Crew showed up at 7:30am. Set up zone around north side of square by bore pit. Set up zone on Brainard Rd. Maintaining one lane of traffic with two flaggers while pit was pumped out, due to partial road being flooded out. After pit was pumped, AWP crew move cones around letting two lanes of traffic flow at the same time. See file. When boxes showed up AWP moved cones again closing off one lane to give bore crew room to assemble boxes. One lane of traffic on Brainard was maintained by two flaggers. Crew left at 3:00pm.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)	1x Foreman, 2x Inspector, 2x Laborer, 2x Operator, 1x Welder
AWP (Area Wide Protection)	2x Flagger

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 76.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Friday, 09/13/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Bore Machine, 1x Foreman Pickup Truck, 1x Welding Truck & Equipment, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator, 1x CAT 330B Excavator, 1x John Deere 310 Backhoe

AWP (Area Wide Protection)

1x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	03:00 PM	8H 0M	Shift work, no lunch
	Total:	8H 0M	

Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report

Report Number 76.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Friday, 09/13/2019

Job Number 60-2019-933

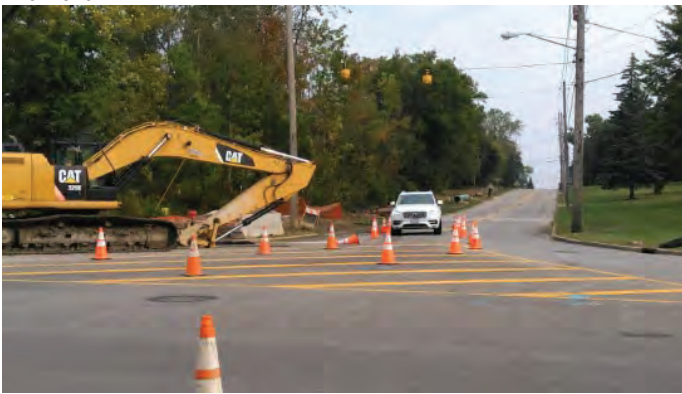
Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Attached Images

AWP traffic pattern to keep two lanes of traffic flowing on Brainard.



Box assembly.



Box in exit pit by the waterline. Plenty of room.



Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report**Report Number** 77.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Jay Nagy**Report Date** Monday, 09/16/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 2x Images**Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	64°F	Asphalt	Damp Surface	Clear

Remarks

One crew only started at 7:00am

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)****07:00 AM - 05:00 PM (10H 0M) / Shift work, no lunch**

Only one crew on site today. Bore crew started at 7:00am. Crew fixed sign that had been blown down because of the Friday storms. Crew did some general clean up of site until AWP showed up. Crew is also waiting for a bigger machine to show up, this machine needs special permits to deliver it. Cat 349 excavator showed up at 3:45 pm. AWP set up zone on Brainard to stop traffic on Brainard and around the square to unload the excavator. Road plates were put on road to help prevent damage, there was some damage to the road see file. Road plates showed up at 4:30 and were unload. QCI rep will have to make sure road plates are used correctly. Crew finished up and left at 5:00pm.

2. AWP (Area Wide Protection)**07:30 AM - 05:00 PM (9H 30M) / Shift work, no lunch**

Crew showed up at 7:30am. Set up zone on north side of square. Crew then set up cones on Brainard to use if they had to set up a zone. When excavator showed up crew closed, open, closed traffic to one land and keep the flow of traffic going when the bore crew need it.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)	1x Foreman/Operator, 2x Inspector, 2x Laborer, 1x Operator
AWP (Area Wide Protection)	3x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)	1x Bore Machine, 1x Foreman Pickup Truck, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator, 1x CAT 330B Excavator
AWP (Area Wide Protection)	2x AWP Pickup Truck

Approved By Chris Keserich**Created By** Jay Nagy



Construction Report

Report Number 77.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Monday, 09/16/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	Shift work, no lunch
	Total:	10H 0M	

Approved By

Chris Keserich

Created By

Jay Nagy



Construction Report

Report Number 77.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Jay Nagy

Report Date Monday, 09/16/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Attached Images

Excavator. Was told had to be on road plates



Some road damage from the excavator. Road was sweep



Approved By

Chris Keserich

Created By

Jay Nagy

Construction Report
Report Number 78.1

Project DOM-PEP Brainard Road/PIR-019/MWO
 #63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Bob Choate

Report Date Tuesday, 09/17/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List
Remarks

I am not submitting a construction report since no construction was done today. When I arrived on site, the Contractor was mucking out the bore receiving pit at the NW corner of Shaker Circle (west side of Brainard Rd.) in order to expose the auger and/or casing that had been done on Monday. Around noon, the casing was found, but had drifted offline to the east. The Contractor determined (after much discussion) that Brainard Rd. would have to be excavated 6' E into the roadway and to a depth of 23+ feet to accommodate continuing the work. The Dominion engineer was contacted and he said he would contact the City, which I took to mean the City Engineer. Todd Toaz (QCI) came to the site to clarify the situation to the City Engineer. Since no resolution was likely today (3 PM), the Contractor barricaded the excavation, swept and power-washed the roadway, and left for the day. He plans to continue tomorrow.

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
09:00 AM	10:00 AM	1H 0M	
11:00 AM	03:45 PM	4H 45M	
	Total:	5H 45M	

Approved By

Chris Keserich

Created By

Bob Choate

Construction Report

Report Number 79.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Wednesday, 09/18/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
02:00 PM	81°F	Clay	Dry	Clear

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

Contractor removes the bore machine and re-set it to the North/West radius to pull into the casing the 30" gas main. Starts digging on the North/West radius one 25' x 15' to locate the casing, at 6:00 p.m. the foreman in charge decide to call the day off, will continue the next working day.
Protect open excavated area with construction cones.
No quantities to be reported at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x Flagger, 1x Laborer, 1x Operator, 2x Truck Driver

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x AWP Pickup Truck, 2x Box Utility Truck, 1x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 80.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Thursday, 09/19/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:00 PM	81°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:30 PM (11H 30M)

Contractor continues the digging at the North/West radius to locate the casing bore, also works on assembling the safety steel boxes needed at the gas main welding connection.

During the day from time to time and using one bob cat with the broom and bucket catcher attachment keeps the roadway clean of debris and dust.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x Flagger, 1x Foreman, 3x Laborer, 1x Operator, 2x Truck Driver

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x AWP Pickup Truck, 1x Foreman Pickup Truck, 4x Trench Box, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator, 1x Ford F-350 Crew Cab Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:30 PM	11H 30M	
	Total:	11H 30M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 81.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Friday, 09/20/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	81°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 04:00 PM (9H 0M)

DRS Construction Company continues to excavate the pit at the North/West radius at the Brainard road at the Shaker road traffic circle where the 30" gas main casing has been located, put together the second and thirty safety steel boxes completed set in place, the void around the safety steel boxes is being filled with #57 limestone. Contractor sweep clean the work area, protect the open pits with concrete barrier and orange plastic fence plus construction cones.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Flagger, 1x Foreman, 1x Laborer, 1x Operator, 2x Truck Driver

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x AWP Pickup Truck, 1x Box Utility Truck, 1x Foreman Pickup Truck, 1x CAT 289C Skid Steer, 1x CAT 321D Excavator, 2x Mack Dump Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:00 PM	9H 0M	
	Total:	9H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 82.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Monday, 09/23/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:00 AM	-179°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

DRS Construction has one three inch water pump on the North//West radius on the 30" new gas main, the ground water accumulation is being pumped to the nearest catch basin thru a fabric pad filter.

Contractor keeps on cleaning the road way when any equipment crosses the road.

No quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x Foreman, 3x Laborer, 1x Operator

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x Box Utility Truck, 1x Foreman Truck, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 83.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Tuesday, 09/24/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	71°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

DRS Construction exposed the casing at the open pit on the North/West radius at Brainard Road and Shaker Boulevard. They cut the excess, "about six linear feet ". To get ready to push in the power/creating "same size steel pipe " scratch resistant. Every time any equipment crosses the road is cleaned with a bob cat with the broom attachment. No quantities are to be reported at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x Foreman, 3x Laborer, 1x Operator, 2x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x 1-Ton Utility Truck, 1x AWP Pickup Truck, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator, 1x Ford F-350 Crew Cab Pickup Truck, 2x Ford F-350 Crew Cab Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 84.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Wednesday, 09/25/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:00 PM	72°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

DRS Construction continues the directional drilling operations on the 30" replacement gas line on Brainard Road in Pepper Pike, setting the bore machine at the bottom of the second excavated pit in the inner circle across Brainard Road. The 30" power/create pipe is being pushed against the casing of the same size 20' section that is welded at the next joint and re-coated with the resistant scratch coating. The roadway is being swept clean each time a piece of equipment crosses the roadway using one bob cat with a broom attachment. No quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x Foreman, 3x Inspector, 3x Laborer, 2x Logger, 1x Operator, 3x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x 1-Ton Utility Truck, 1x AWP Pickup Truck, 1x Foreman Pickup Truck, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 85.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Thursday, 09/26/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	68°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

Contractor had to re-cut back the second 30" power/create welded joint not proper lined with the first section.re-weld the two sections back,paint back the burned section with scratch resistant coating.

The second 20' section at the same time pushes out the same size casing.

No quantities are to be reported at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Flagger, 1x Foreman/Operator, 2x Inspector, 3x Laborer,
1x Operator, 3x Welder, 3x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x AWP Pickup Truck, 5x Box Utility Truck, 2x CAT 289C
Skid Steer

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 86.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Friday, 09/27/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
02:30 PM	79°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:30 PM (10H 30M)

Contractor continues the bore operations to install the 30" Power/create pipe for the new gas line replacement under and across the pavement at Shaker Boulevard Circle from the inner radius open pit to the North/West open pit at Brainard road. the 30" pipe is pushed against the casing of the same size from the inner circle pit and expelled at the North/West open pit at Brainard road where is being cut in size and loaded on a semi truck and hauled off the job site.
The work area is being swept clean with one bob cat with broom bucket attachment.
No quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Flagger, 1x Foreman/Operator, 2x Inspector, 3x Laborer, 1x Operator, 1x Truck Driver, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x 16" Bore Machine, 1x AWP Pickup Truck, 4x Welder/Torches, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator, 2x Ford F-350 Crew Cab Pickup Truck, 1x Mack Dump Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:30 PM	10H 30M	
	Total:	10H 30M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 87.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Saturday, 09/28/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:00 PM	78°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 03:30 PM (8H 30M)

DRS Construction with the bore operations of the 30" power/create gas line replacement in operation continue the bore 20' section at the time welded to the last bore, each and every welded joint is sand blasted clean of burns and painted with a type of heavy scratch resistant coating, after the drying process the pipe is pushed against the existing 30" casing toward the open pit on the North/West open pit at the radius at Brainard road, at this point the 140 linear feet bore has been completed. No quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Flagger, 1x Foreman/Operator, 2x Inspector, 3x Laborer, 1x Operator, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x AWP Pickup Truck, 1x Foreman Pickup Truck, 4x Welder/Torches, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator, 2x Ford F-350 Crew Cab Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	03:30 PM	8H 30M	
	Total:	8H 30M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 88.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Monday, 09/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
02:00 PM	72°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:00 PM (10H 0M)

Contractor works all day above ground on the inner center circle across Brainard road getting the off set of the 30" gas main as needed, on two 20' section of Power/Create 30" pipe and at each end of one section weld one 45 degree elbow. The burned area where the welding was done is being sand blasted and painted with a scratch resistant coating, the straight section is being covered with a rubbery rock shield material due to the rough backfill material available. NO quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Flagger, 1x Foreman/Operator, 2x Inspector, 3x Laborer, 1x Operator, 3x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x 1-Ton Utility Truck, 1x AWP Pickup Truck, 1x Foreman Pickup Truck, 3x Welder/Torches, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	
	Total:	10H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 89.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Tuesday, 10/01/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
02:00 PM	84°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

06:30 AM - 06:00 PM (11H 30M)

DRS Construction on Brainard road in Pepper Pike starts with the lowering of the 20' section of 30" Power/create pipe with the 90 degree elbow down to be connected to the 30" bore at the North/West open pit at Brainard road.

At 2:30 p.m. the first 10 yards load pulls in on site with LSM mix with #57 limestone to stabilize the horizontal installed 30" pipe, covers the entire connection with an additional 4/10 yard loads.
No quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x Flagger, 1x Foreman/Operator, 3x Inspector, 4x Laborer, 1x Operator, 3x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x 1-Ton Utility Truck, 1x AWP Pickup Truck, 1x Foreman Pickup Truck, 3x Welder/Torches, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Material Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

100 Lb LSM Concrete	10.00 CU YD	
LSM Type 2	40.00 CU YD	

Approved By

System Administrator

Created By

Steve Gueli



Construction Report

Report Number 89.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Tuesday, 10/01/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
06:30 AM	06:00 PM	11H 30M	
	Total:	11H 30M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report
Report Number 90.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Wednesday, 10/02/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List
Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	79°F	Clay	Dry	Cloudy / Sunny

Description of Work
1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)
07:00 AM - 05:00 PM (10H 0M)

Contractor removes three of four steel safety boxes from open pit where the 30" 90 degree connection was done yesterday at the North/West radius at Brainard Road. Continues to excavate from the second open pit at the same radius to connect the 30" power/create pipe at open pit #1 with a second 30" 90 degree elbow " not completed "

Meanwhile, a second small crew and in the inner circle, excavate to locate the end of the new 30"pipe getting ready for another connection.

One inspector from the Enviro/Source Agency plus, two Inspectors from Dominion Energy on site full time.
NO quantities are to be reported at this time.

Workforce Totals
Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Flagger, 1x Foreman/Operator, 3x Inspector, 4x Laborer,
1x Operator, 1x Truck Driver, 3x Welder

Equipment Totals
Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x 1-Ton Utility Truck, 1x AWP Pickup Truck, 1x Dump
Truck, 3x Welder/Torches, 1x CAT 289C Skid Steer, 3x CAT
321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	
	Total:	10H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 91.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Thursday, 10/03/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	78°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 08:00 PM (13H 0M)

RDS Construction continues at the northwest radius at open pit #2 with preparation to continue with the installation of the 30" power/create pipe. They dig the trench to the open pit #1; continues excavating at open pit to retrieve the steel safety box not removed yesterday. Not being able to do so at this point, decided to abandon the idea. Pour LSM mix over existing " 58 cubic yards " Open excavated areas are protected with four feet high orange plastic fence. NO quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Flagger, 1x Foreman/Operator, 3x Inspector, 4x Laborer, 1x Operator, 1x Truck Driver, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x 1-Ton Utility Truck, 1x AWP Pickup Truck, 3x Welder/Torches, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	08:00 PM	13H 0M	
	Total:	13H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 92.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Friday, 10/04/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
02:00 PM	64°F	Clay	Dry	Cloudy

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

Contractor continues in the inner circle with the 30" power/create gas main installation operations, on the North/West radius at Brainard road replaces an Eight linear feet of 10" clay storm pipe removed during the bore operations, replaces it with 10"SDR/35 uses one fernco clamp at the lower joint.

The welding team put together the power/create 30" line and the elbow necessary for the connection at the North/West radius at Brainard road.

Two inspectors from Dominion Energy and two environmental inspectors on site full time

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 4x Flagger, 1x Foreman/Operator, 4x Inspector, 5x Laborer, 4x Operator, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x 1-Ton Utility Truck, 2x AWP Pickup Truck, 1x Foreman Truck, 4x Welder/Torches, 2x CAT Excavator, 1x CAT 289C Skid Steer

Material Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

100# LSM	20.00 CU YD	
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Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	

Approved By

System Administrator

Created By

Steve Gueli



Construction Report

Report Number 92.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Friday, 10/04/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
	Total:	11H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 93.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Saturday, 10/05/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:00 PM	67°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 03:30 PM (8H 30M)

DRS Construction continues in the inner circle with the installation of the 30" power-create pipe at gas main. In the north west radius at Brainard Road two welder and two laborers continue with the pipe welding operation necessary to complete the connection. Two inspectors from Dominion Energy and one inspector from the environmental source were on site full time. No quantities are to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Flagger, 1x Foreman/Operator, 3x Inspector, 5x Laborer, 1x Operator, 1x Truck Driver, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x 1500 Gallon Water Truck, 3x 1-Ton Utility Truck, 1x AWP Pickup Truck, 1x Foreman Truck, 4x Welder/Torches, 3x CAT Excavator, 1x CAT 289C Skid Steer

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	03:30 PM	8H 30M	
	Total:	8H 30M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 94.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Monday, 10/07/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
02:00 PM	67°F	Clay	Dry	Cloudy

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:30 PM (10H 30M)

DRS Construction with crew completes the welding process at the south end bore, at the inner circle at Shaker Boulevard. This end starts the back fill where the same excavated soil is being used for this purpose " not completed ". Continues with the same at the north/west radius at Brainard Road, at the north end of the bore. They set the 30" power/create pipe on the excavated trench, and welded the joint at the north end of it. At the north/west end of the bore at Brainard Road, they cut the excess standing pipe and positioned the 45 degree elbow for the final connection phase. The open excavated pits are protected with concrete barriers and orange plastic fence. NO quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 4x Flagger, 1x Foreman/Operator, 3x Inspector, 5x Laborer, 4x Operator, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x 1-Ton Utility Truck, 2x AWP Pickup Truck, 2x AWP Pickup Truck, 4x Welder/Torches, 1x CAT 289C Skid Steer, 1x CAT 289C Skid Steer, 3x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:30 PM	10H 30M	
	Total:	10H 30M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 95.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Tuesday, 10/08/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	67°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:30 PM (11H 30M)

Contractor has one crew at the northwest radius open pit at Brainard Road welding the last 45 degree elbow joining the two ends of the 30" power creating a gas main. The two welded joints at the 45 degree end are being sandblasted and painted with resistant scratch coat.

Under the roadway is being excavated of all the loose backfill to solid bottom and one available 10 cubic yards dumped in the hole. More will follow tomorrow.

At the south end of the bore, the 30" gas main has been set over sandbags before being stabilized with concrete mix class. JMF C3637FS1B.

Two inspectors for Dominion Energy plus, one inspector for the environmental protection on site full time.

No quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

4x Flagger, 1x Foreman/Operator, 3x Inspector, 5x Laborer, 1x Operator, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x 1-Ton Utility Truck, 2x AWP Pickup Truck, 1x Foreman Pickup Truck, 4x Welder/Torches, 1x CAT 289C Skid Steer, 3x CAT 321D Excavator

Material Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

Class MS Concrete #57

11.00 CU YD

Approved By

System Administrator

Created By

Steve Gueli



Construction Report

Report Number 95.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Tuesday, 10/08/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:30 PM	11H 30M	
	Total:	11H 30M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 96.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Wednesday, 10/09/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	65°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

DRS Construction pour 30 Cubic Yards of LSM concrete mix at the North/West radius at Brainard road on the 30" power/creat pipe up to the 45 degree elbow after the area has been cleaned to the solid ground at the bottom the 45 degree elbow has not been coated yet with the resistant scratch paint.

At the South of Shaker Boulevard Westbound lane south of the circle, the welding team is putting together the necessary 30" pipeline for the last connection.

TWO Dominion Energy Inspectors and one inspector from the Environment Protection agency on site.
NO quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 4x Flagger, 1x Foreman/Operator, 3x Inspector, 5x Laborer, 1x Operator, 1x Truck Driver, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x 4600 International Dump Truck, 2x AWP Pickup Truck, 1x Foreman Pickup Truck, 1x CAT 289C Skid Steer, 3x CAT 321D Excavator

Material Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

100# LSM	30.00 CU YD
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Approved By

System Administrator

Created By

Steve Gueli



Construction Report

Report Number 96.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Wednesday, 10/09/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 97.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Thursday, 10/10/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
02:00 PM	68°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:30 PM (10H 30M)

DRS Construction works two crews first crew on the north-west radius at Brainard Road shaping up the bank separating the grass area from the roadway area where will pour LSM concrete mix on top of existing concrete mix on top of existing LSM concrete mix poured this past Tuesday.

Also has one welding crew working on a lateral connection.

Across at the inner circle removes the surplus excavated soil loaded on trucks and hauled off site. On the south side of Shaker Boulevard westbound lane has two welders getting ready the necessary 30" power crete pipe for the connection. Two inspectors for Dominion Energy and one inspector for the environmental protection agency on site all day. No quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

4x Flagger, 1x Foreman/Operator, 3x Inspector, 5x Laborer, 1x Operator, 3x Truck Driver, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x 1-Ton Utility Truck, 2x AWP Pickup Truck, 1x Foreman Truck, 4x Welder/Torches, 1x CAT 289C Skid Steer, 3x CAT 321D Excavator, 3x Mack Dump Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:30 PM	10H 30M	
	Total:	10H 30M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 98.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Friday, 10/11/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	69°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:30 PM (10H 30M)

Contractor continues with the 30" power/creat gas pipe on the South side of Shaker Boulevard westbound lane by the circle, gets the various sections together before placing in partly excavated trench.

At the North/West radius at Brainard road completes the lateral.

In the inner circle continues with the backfill of the 30" gas line trench also the haul of the surplus excavated dirt which is being loaded on trucks and taken off job site, in early afternoon starts the 30" line cleaning process, pumps water in the line from the South end and collect it at the North end at Fairmount Boulevard in to a tanker to be disposed of off site.

Inspectors on site include; Dominion Energy TWO.

Environmental Protection Agency ONE.

NO quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 4x Flagger, 1x Foreman/Operator, 3x Inspector, 5x Laborer, 1x Operator, 3x Truck Driver, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x 1-Ton Utility Truck, 3x 4600 International Dump Truck, 2x AWP Pickup Truck, 1x Foreman Pickup Truck, 4x Welder/Torches, 1x CAT 289C Skid Steer, 3x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:30 PM	10H 30M	
	Total:	10H 30M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 99.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Saturday, 10/12/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 03:00 PM (8H 0M)

DRS Construction starts to test pressure of the 30" Power/creat gas main from the South end at Shaker boulevard south of the circle to the North end to Fairmount North/west radius at Brainard road pumping water into th main line from a nearby fire hydrant.

TWO welders and TWO helpers are working on welding Two sections of the 30" pipe and an elbow to be used after the testing of the main has been completed.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

4x Flagger, 1x Foreman/Operator, 3x Inspector, 4x Laborer, 2x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x AWP Pickup Truck, 1x Foreman Truck, 2x Welder/Torches, 1x CAT 289C Skid Steer, 1x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	03:00 PM	8H 0M	
	Total:	8H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 100.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Monday, 10/14/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	52°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 07:00 PM (12H 0M)

Contractor saw cut full depth an area of pavement repair east of the circle across of Shaker Boulevard. At this area removed the entire surface course and the concrete base which will be replaced in kind. In the same area removed part of the half moon sidewalk damaged during the gas line repair in the inner circle at the original asphalt pedestrian path. Excavate to reconnect both ends temporarily for easy walking.

At the south end at Shaker Boulevard south of the circle continue with 30" assembly for lateral to be used.

Two Dominion Energy inspectors and two environmental protection agency inspectors on site full time.

No quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

6x Flagger, 1x Foreman/Operator, 4x Inspector, 4x Laborer, 2x Operator, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

3x AWP Pickup Truck, 1x Foreman Pickup Truck, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	07:00 PM	12H 0M	
	Total:	12H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 101.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Tuesday, 10/15/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

CONTRACTOR HAD DIFFERENT GROUPS ON THE PROJECT AT DIFFERENT AREAS WITHIN THE PROJECT, ONE CREW GETS THE PAVEMENT REPAIR AREAS AT THE CURB LINE AT THE WEST SIDE OF THE INNER CIRCLE READY TO BE CONCRETED ALSO AN AREA AT THE NORTH SIDE OF THE INNER CIRCLE AT THE CROSS ROAD DITCH GAS LINE.

POURED CONCRETE MIX JMF C 3637 AT THE FIRST PAVEMENT EXCAVATED AREA REPAIR.

AT THE INNER CIRCLE AT THE ORIGINAL PEDESTRIAN PATH AND ON TOP OF THE GAS MAIN DITCH POURS LMS 100 MIX 5 FEET FROM TOP OF GRADE 40 CUBIC YARDS.

AT THE NORTHWEST RADIUS AT BRAINARD ROAD SETS IN PLACE A NEW PRE-CAST CATCH BASIN (NOT COMPLETED)..

TWO DOMINION INSPECTORS AND TWO ENVIRONMENTAL INSPECTORS ON SITE FULL TIME.

NO QUANTITIES TO REPORT AT THIS TIME.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

6x Flagger, 1x Foreman/Operator, 4x Inspector, 4x Laborer, 1x Operator, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

3x AWP Pickup Truck, 1x Foreman Pickup Truck, 1x CAT 289C Skid Steer, 3x CAT 321D Excavator, 1x Mack Dump Truck

Material Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

100# LSM	60.00 CU YD	
Class FS Concrete with Fiber	4.00 CU YD	

Approved By

System Administrator

Created By

Steve Gueli



Construction Report

Report Number 101.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Tuesday, 10/15/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 102.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Wednesday, 10/16/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	51°F	Clay	Dry	Rain

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 07:00 PM (12H 0M)

DRS starts the workday with a full crew but due to the rain weather conditions had to downsize the crew to two laborers and one welder still involved in the cleaning of the new 30" power-creat gas mainline. Two Dominion Energy inspectors and two environmental inspectors on site full time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 6x Flagger, 1x Foreman/Operator, 4x Inspector, 1x Laborer, 1x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 3x AWP Pickup Truck, 1x Foreman Pickup Truck, 1x 185 Air Compressor

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	07:00 PM	12H 0M	
	Total:	12H 0M	

Approved By

System Administrator

Created By

Steve Gueli



Construction Report

Report Number 103.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Thursday, 10/17/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:00 PM (10H 0M)

DRS Construction continues with the 30" power/crest gas main test operations from south of Shaker Boulevard circle to Fairmount Boulevard at Brainard road.

At the North/West radios at Brainard road installs from the back woods to the back of the new structure 23 linear feet of 12" schedule 35 new pipe, the catch basin has been connected on to the nearby storm manhole using 10 linear feet of schedule 35 plastic pipe with one 45 degree elbow, one six inch under drain and one four inch line connection have been connected to the structure shale bricks and mortar have been used for the connections, at the same pit hole pours 40 cubic yards of LSM 100.

At the cross road at the left driving lane pours part of the trench "concrete base where it will be topped with 3" of surface course asphalt mix.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

6x Flagger, 1x Foreman/Operator, 4x Inspector, 4x Laborer, 1x Operator, 1x Truck Driver, 1x Uniformed Police Officer, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

3x AWP Pickup Truck, 1x Dump Truck, 4x Welder/Torches, 2x CAT Excavator, 1x CAT 289C Skid Steer

Material Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

100 Lb LSM Concrete	40.00 CU YD	
Class MS Concrete #57	8.00 CU YD	

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli



Construction Report

Report Number 103.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Thursday, 10/17/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
	Total:	10H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 104.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Friday, 10/18/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
02:00 PM	51°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

DRS Construction saw cut the road pavement full depth at front of the new precast catch basin three feet into the road and around the existing open pit at the North/west corner at Brainard road gas main across Shaker Boulevard circle.

At the East side of the inner circle grades the isolated half moon shaped side walk for 4" thick concrete over three inches crushed limestone base material.

At the new 30" gas line main continues with the test operations.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

8x Flagger, 1x Foreman/Operator, 4x Inspector, 3x Laborer, 1x Operator, 1x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Arc Welder, 4x AWP Pickup Truck, 1x Dump Truck, 1x Foreman Truck, 1x Partner Saw, 1x 185 Air Compressor, 1x CAT Mini Excavator, 1x CAT 289C Skid Steer

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 105.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Charles Calloway

Report Date Saturday, 10/19/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 1x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:56 AM	36°F	Grass	Damp Surface	Clear

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 03:00 PM (8H 0M)

Replaced Steve Gueli for the day

Today the contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd. next to Pepper Pike Park, and Brainard Rd. at Fairmount for the installation of the last pieces of pipe. The contractor excavated back 2' on all pipe and prepared the mechanical connections. Then the contractor placed a 2-4" bed of # 57 stone on the excavation bed, and fenced the excavation off. At the end of the day the contractor cleaned both areas and went home for the day. There were two Dominion East Ohio Gas inspectors on site over seeing the preparation of the pipe.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 2x Flagger, 1x Foreman/Operator, 1x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x AWP Pickup Truck, 1x CAT Excavator, 1x CAT 289C Skid Steer, 1x CAT 321D Excavator, 1x Ford F-350 Crew Cab Pickup Truck, 1x Mack Dump Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	03:00 PM	8H 0M	
	Total:	8H 0M	

Approved By

Chris Keserich

Created By

Charles Calloway



Construction Report

Report Number 105.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Charles Calloway

Report Date Saturday, 10/19/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 1x Images

Attached Images

Contractor keeping the trailway clean



Approved By

Chris Keserich

Created By

Charles Calloway

Construction Report

Report Number 106.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Monday, 10/21/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
02:00 PM	72°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 08:00 PM (13H 0M)

DRS Construction had two crews working the new 30" gas main at the South end at Fairmount Boulevard and at the north end at Shaker Boulevard north of the circle.

No other areas has been touched today, open excavated pit are protected with 4' high orange plastic fence.

Two Inspectors for Dominion Energy and two Inspectors for the Environment protection on site full time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

6x Flagger, 1x Foreman/Operator, 4x Inspector, 5x Laborer, 1x Operator, 4x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

3x AWP Pickup Truck, 1x Box Utility Truck, 4x Welder/Torches, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	08:00 PM	13H 0M	
	Total:	13H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 107.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Tuesday, 10/22/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	73°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

DRS Construction completed the connection at both ends and continues with the testing of the 30" gas main at the south end. One of the welding joints did not pass so, it had to be re-welded again. No other activity took place on site today. One environment inspector and two Dominion Energy Inspectors on site full time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 6x Flagger, 1x Foreman/Operator, 3x Inspector, 4x Laborer, 1x Operator, 2x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x 1-Ton Utility Truck, 3x AWP Pickup Truck, 2x Welder/Torches, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 108.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Wednesday, 10/23/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	55°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 07:00 PM (12H 0M)

DRS Construction continues on the south end of the gas main with the fault joint connection, which needed to cut a 4' section and replace it in kind, on the north end installing the line station consisting of a 4' ball section and, two command shoot off valves at the ends of both 30" main line.

Two Dominion Energy Inspectors plus, one inspector from the Environment Protection were on site full time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

6x Flagger, 1x Foreman/Operator, 3x Inspector, 4x Laborer, 1x Operator, 3x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x 1-Ton Utility Truck, 3x AWP Pickup Truck, 3x Welder/Torches, 2x 185 Air Compressor, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	07:00 PM	12H 0M	
	Total:	12H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report

Report Number 109.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Thursday, 10/24/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:00 PM	52°F	Clay	Muddy	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:00 PM (10H 0M)

Contractor passed all testing processes on the 30" gas main line from the north end at Fairmount Boulevard to the south end at Shaker Boulevard, south of the circle. At this point, concentrating the attention on the line control valves. At the south end, a second crew works on two 6" laterals feed lines. One for the Synagogue to the west and the second for the City complex to the east.
No quantities to report at this time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

6x Flagger, 1x Foreman/Operator, 3x Inspector, 4x Laborer, 1x Operator, 2x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

3x AWP Pickup Truck, 2x Welder/Torches, 2x 185 Air Compressor, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	
	Total:	10H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 110.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Steve Gueli

Report Date Friday, 10/25/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
01:30 PM	56°F	Clay	Dry	Cloudy / Sunny

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 05:00 PM (10H 0M)

DRS Construction continues to put together the 6" lateral at the South end at Chagrin Boulevard South of the circle feed line for the city service complex to the East and the Synagogue to the West.
At the North/West radius at Brainard road performs the rough grade the landscape area continuing to the next house lot.
At the inner circle at the walk path under cut part of the sub-grade and roughly grades adding 4"/6" new limestone base material.
Six Area Wide Protection traffic attendants, plus two Dominion Energy Inspectors and one Environmental Inspector on site full time.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 1x Foreman/Operator, 3x Inspector, 4x Laborer, 1x Operator, 1x Welder

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime) 3x AWP Pickup Truck, 1x Welder/Torches, 1x CAT 289C Skid Steer, 2x CAT 321D Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	
	Total:	10H 0M	

Approved By

Chris Keserich

Created By

Steve Gueli

Construction Report

Report Number 111.2

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Monday, 10/28/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
08:17 AM	41°F	Dirt	Damp Surface	Sunny
01:03 PM	60°F	Dirt	Damp Surface	Sunny

Remarks

Replaced Steve Gueli for the day.

7:45am Met with Crew 6 workers AWP(Area Wide Protective) in the site.

7:50 am Met with Jonas P. Troyer Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy.

7:55 am Met with Kevin Krysty (Thrasher Group) Environmental Inspector.

8:00 am Met with Matt Varkle D.R.S. Foreman.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd. next to Pepper Pike Park, and Brainard Rd. at Fairmount for the installation of the last pieces of pipe. And they do the test for the new gas pipeline Last pieces.

At the end of the day, the contractor cleaned both areas and went home for the day.

There were One Dominion East Ohio Gas inspectors on site overseeing the preparation of the pipe. And One Environmental Inspector.

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 04:00 PM (9H 0M)

DRS Construction continues to put together the 6" lateral at the South end at Chagrin Boulevard South of the circle feed line for the city service complex to the East and the Synagogue to the West. And they do the test for the new gas pipeline. At the North/West radius at Brainard road in the inner circle at the walk path undercut part of the sub-grade and roughly grades removed temporally sidewalk 4"/6" new limestone base material.

2. AWP (Area Wide Protection)

07:00 AM - 04:00 PM (9H 0M)

AWP Flagger shifts traffic to a turning lane to provide a work space for the crew using traffic cones and advanced warning signs.

AWP post signs on the site.

Hand held signs Stop / Slow.

Note: All 6 flaggers work on the site split 4 set was with excavation crew and other with the installation crew.

Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report

Report Number 111.2

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Monday, 10/28/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Foreman/Operator, 1x Inspector, 3x Laborer, 1x Operator,
1x Welder

AWP (Area Wide Protection)

6x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Welder/Torches, 1x CAT 262D Skid Steer, 1x CAT 308D
Excavator, 1x CAT 320E Excavator, 1x Ford F-350
Equipment Truck, 1x Ford F-750 Dump Truck, 1x GMC
Pickup Truck

AWP (Area Wide Protection)

3x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
08:00 AM	04:00 PM	8H 0M	
	Total:	8H 0M	

Approved By

System Administrator

Created By

Omar Al Azawi



Construction Report

Report Number 111.2

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Monday, 10/28/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Attached Images

Working on by-pass main gas pipeline



GAS PIPELINE TEST



Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report**Report Number** 111.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Steve Gueli**Report Date** Monday, 10/28/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List****Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:00 AM	46°F	Clay	Dry	Dry and Windy

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)**

At 7:30 a.m. met Omar Inspector for Quality Control Inspection for turnover at the 30" gas main replacement project on Brainard road in Pepper Pike, showed him the reconstruction areas " already paint marked by the foreman and myself.

Left the Pepper Pike job at 8:00 a.m. for Oakwood Village to meet Todd Toaz on Broadway Reconstruction.

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	08:00 AM	1H 0M	
	Total:	1H 0M	

Approved By

System Administrator

Created By

Steve Gueli

Construction Report**Report Number** 112.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Omar Al Azawi**Report Date** Tuesday, 10/29/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 4x Images**Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:21 AM	48°F	Asphalt	Damp Surface	Partly Cloudy
02:28 PM	59°F	Asphalt	Damp Surface	Cloudy

Remarks

Met with Crew 8 workers AWP(Area Wide Protective) on the site.
Met with Jonas P. Troyer Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy on the site.
Met with Charlie Tirk Inspector with Dominion Energy on the site.
Met with Kevin Krysty (Thrasher Group) Environmental Inspector on the site.
Met with Matt Varkle D.R.S. Foreman on the site.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd. next to Pepper Pike Park, and Brainard Rd. at Fairmount for the installation of the last pieces of pipe. Installed and they do the test for the new gas pipeline Last pieces.

Crew of the asphalt showed up Today and worked on the asphalt area.

11:00 am Todd Toaz Contract Administrator with QCI GROUP visited the site and discussed with the D.R.S. contractor, and the QCI Inspector, and the foreman of the site Matt Varkle, the Asphalt sidewalk area needs work on it.

12:10 pm Scott with two more technicians from Dominion Energy show up to work on the last pieces.

At the end of the day the contractor cleaned both areas and went home for the day.

There were Two Dominion East Ohio Gas inspectors on site overseeing the preparation of the pipe. And One Environmental Inspector.

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)****07:00 AM - 06:00 PM (11H 0M)**

DRS Construction continues to put together the 6" lateral at the South end at Chagrin Boulevard South of the circle feed line for the city service complex to the East and the Synagogue to the West. And they do the test for the new gas pipeline. And the service was done.

At the North/West radius at Brainard road in the inner circle at the walk path undercut part of the sub-grade and roughly grades removed temporally sidewalk 4"/6" new limestone base material. And the asphalt crew adds new asphalt.

The Asphalt Crew work on the circle road in two location,
first in front of Shaker BLVD East near the curb (10*12) ft = 120 sf / 9 = 13.3 Sy, 5 inches depth, second in front of Brainard Rd

Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report

Report Number 112.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Tuesday, 10/29/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

(10*15) ft = 150 sf / 9 = 16.6 Sy, 4.5 inches depth,
And The 3rd Inside the circle on the site sidewalk 9*78 = 702 sf / 9 = 78 Sy, 3 inches depth.

Asphalt delivered to the site ticket # 227915, 227916, 227957, 227973, 227993, 228011, 10/29/2019.

Crew worked on the curb in the circle in front of the Brainard Rd.

2. AWP (Area Wide Protection)

07:00 AM - 06:00 PM (11H 0M)

AWP Flagger shifts traffic to a turning lane to provide a work space for the crew using traffic cones and advanced warning signs. AWP post signs on the site.

Hand held signs Stop / Slow.

Note: All 8 flaggers work on the site split 4 set was with excavation crew and two with the installation crew. And other two with asphalt crew.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Equipment Operator, 1x Foreman/Operator, 3x Inspector, 3x Laborer, 2x Technician, 1x Testing Technician, 1x Truck Driver, 1x Welder

AWP (Area Wide Protection)

8x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x CAT 262D Skid Steer, 1x CAT 308D Excavator, 1x CAT CB24B Roller, 1x Ford F-350 Equipment Truck, 1x Mack Dump Truck

AWP (Area Wide Protection)

4x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report

Report Number 112.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Tuesday, 10/29/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Attached Images

Crew work on the curb in the circle in front of the Brainard Rd



*Asphalt work in front of Shaker BLVD East near the curb (10*12) ft in the circle*



Bypass connection work last pieces for new gas service



Sidewalk asphalt crew work inside the circle in front of Brainard Rd



Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report
Report Number 113.1

Project DOM-PEP Brainard Road/PIR-019/MWO
 #63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 10/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 9x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:42 AM	50°F	Dirt	Damp Surface	Cloudy
01:30 PM	53°F	Grass	Damp Surface	Cloudy
03:00 PM	59°F	Dirt	Wet	Rain

Remarks

Met with Crew 8 workers AWP(Area Wide Protective) on the site.
 Met with Jonas P. Troyer Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy.
 Met with Charlie Tirk Inspector with Dominion Energy.
 Met with Kevin Krysty (Thrasher Group) Environmental Inspector.
 Met with Matt Varkle D.R.S. Foreman.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd next to Pepper Pike Park, and Brainard Rd at Fairmount for the installation of the last pieces of pipe. And they did the test for the new gas pipeline Last pieces.

Crew of the asphalt showed up yesterday and worked on the asphalt area.
 Inside the circle on the site the sidewalk $9 \times 78 = 702$ sf / $9 = 78$ Sy, 3 inches depth. In front of Brainard Rd The Asphalt Pavement isn't in good condition (road is bumpy).
 10:00 am Robert Cevert (Thrasher Group) Environmental- Construction service manager visited the site.
 11:00 am Todd Toaz Contract Administrator with QCI GROUP visited the site and discussed with the D.R.S. contractor, and the QCI Inspector, and the foreman of the site Matt Varkle, the Asphalt sidewalk area needs work on it, and the curb how it looked like Yesterday.
 12:00 pm Two technicians from Dominion Energy showed up and worked on the last pieces.

Today the contractor worked on grading the yard soil & added topsoil to the yard inside the circle.

At 1:00 pm Hydroseeding crew worked inside the circle.
 At the end of the day, the contractor cleaned both areas and went home for the day.

There were Two Dominion East Ohio Gas inspectors on site overseeing the preparation of the pipe. And One Environmental Inspector.

Description of Work
1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)
07:00 AM - 04:00 PM (9H 0M)

DRS Construction continues to put together the 6" lateral at the South end at Chagrin Boulevard South of the circle feed line for the city service complex to the East and the Synagogue to the West. And they did the test for the new gas pipeline.

Approved By System Administrator

Created By Omar Al Azawi

Construction Report

Report Number 113.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 10/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 9x Images

At the North/West radius at Brainard road in the inner circle at the walk path undercut part of the sub-grade and roughly grades removed temporally sidewalk 4"/6" new limestone base material.

Today the contractor worked on grading the yard soil & added topsoil to the yard inside the circle.

At 1:00 pm Hydroseeding crew worked inside the circle.

The Asphalt Crew work on the circle road in two location, first in front of Shaker BLVD East near the curb (10*12) ft = 120 sf / 9 = 13.3 Sy, 5 inches depth, second in front of Brainard Rd (10*15) ft = 150 sf / 9 = 16.6 Sy, 4.5 inches depth, And The 3rd Inside the circle on the site sidewalk 9*78 = 702 sf / 9 = 78 Sy, 3 inches depth. In front of Brainard Rd The Asphalt Pavement isn't in good condition (road is bumpy).

Asphalt delivered to the site ticket # 227915, 227916, 227957, 227973, 227993, 228011, 10/29/2019.

Crew worked on the curb in the circle in front of the Brainard Rd.

2. AWP (Area Wide Protection)

07:00 AM - 04:00 PM (9H 0M)

AWP Flagger shifts traffic to a turning lane to provide a workspace for the crew using traffic cones and advanced warning signs. AWP post signs on the site.

Hand held signs Stop / Slow.

Note: All 10 flaggers work on the site split 6 set was with restoration crew and two with the installation crew. And other two with Hydroseeding inside the circle show up at 1:00 pm

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Equipment Operator, 1x Foreman/Operator, 3x Inspector, 5x Laborer, 2x Technician, 2x Truck Driver, 1x Welder

AWP (Area Wide Protection)

10x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Foreman Pickup Truck, 1x Welder/Torches, 2x CAT 262D Skid Steer, 1x CAT 289C Skid Steer, 1x CAT 321D Excavator, 1x Dodge Ram Pickup Truck, 1x Ford F-150 Pickup Truck, 1x Ford F-350 Crew Cab Pickup Truck, 1x Ford F-350 Equipment Truck, 2x GMC Pickup Truck, 2x Mack Dump Truck

AWP (Area Wide Protection)

5x AWP Pickup Truck

Approved By

System Administrator

Created By

Omar Al Azawi



Construction Report

Report Number 113.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 10/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 9x Images

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:00 PM	9H 0M	
	Total:	9H 0M	

Approved By

System Administrator

Created By

Omar Al Azawi



Construction Report

Report Number 113.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 10/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 9x Images

Attached Images

Restoration work & landscape inside the circle in the middle in front of the Brainard Rd



Crew work on the site



Delivered LSM200 to support main gas valve 4 yd



Hydro seeding inside the circle



Approved By

System Administrator

Created By

Omar Al Azawi



Construction Report

Report Number 113.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 10/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 9x Images

Adding top soil



Backfill



Inside the circle on the site the sidewalk $9 \times 78 = 702$ sf / 9 = 78 Sy, 3 inches depth. In front of Brainard Rd The Asphalt Pavement not in good condition (road is bumpy)



Inside the circle on the site the sidewalk $9 \times 78 = 702$ sf / 9 = 78 Sy, 3 inches depth. In front of Brainard Rd The Asphalt Pavement not in good condition (road is bumpy)



Approved By

System Administrator

Created By

Omar Al Azawi



Construction Report

Report Number 113.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 10/30/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 9x Images

*Inside the circle on the site the sidewalk $9 \times 78 = 702$ sf / 9 =
78 Sy, 3 inches depth. In front of Brainard Rd The Asphalt
Pavement not in good condition (road is bumpy)*



Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report**Report Number** 114.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Omar Al Azawi**Report Date** Friday, 11/01/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 2x Images**Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:25 AM	31°F	Dirt	Snow Covered	Cloudy
11:52 AM	33°F	Dirt	Snow Covered	Cloudy

Remarks

Met with Crew 6 workers AWP(Area Wide Protective) on the site.
Met with Jonas P. Troyer Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy. Met with Charlie Tirk Inspector with Dominion Energy.
Met with Kevin Krysty (Thrasher Group) Environmental Inspector. Met with Matt Varkle D.R.S. Foreman.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd next to Pepper Pike Park, and Brainard Rd at Fairmount for the installation of the last pieces of pipe.
And they did the test for the new gas pipeline Last pieces.

Today the contractor worked on wax the lateral gas pipeline connected to the main gas pipeline, and backfill the trench.

At the end of the day, the contractor cleaned both areas and went home for the day.
There were Two Dominion East Ohio Gas inspectors on site overseeing the preparation of the pipe. And One Environmental Inspector.

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)****07:00 AM - 04:00 PM (9H 0M)**

DRS Construction continues to put together the 6" lateral at the South end at Chagrin Boulevard South of the circle feed line for the city service complex to the East and the Synagogue to the West. And they did the test for the new gas pipeline.

Today the contractor worked on the wax the lateral gas pipeline connected to the main gas pipeline, and backfill the trench.

Work done:

The contractor worked on grading the yard soil & added topsoil to the yard inside the circle. Hydro seeding crew worked inside the circle.

Work done:

The Asphalt Crew work on the circle road in two location, first in front of Shaker BLVD East near the curb (10*12) ft = 120 sf / 9 = 13.3 Sy, 5 inches depth, second in front of Brainard Rd (10*15) ft = 150 sf / 9 = 16.6 Sy, 4.5 inches depth, And The 3rd Inside the circle on the site sidewalk 9*78 = 702 sf / 9 = 78 Sy, 3 inches depth. In front of Brainard Rd The Asphalt Pavement isn't in good condition (road is bumpy) At the North/West radius at Brainard road in the inner circle at the

Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report

Report Number 114.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Friday, 11/01/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

walk path.

Asphalt delivered to the site ticket # 227915, 227916, 227957, 227973, 227993, 228011, 10/29/2019.

Crew worked on the curb in the circle in front of the Brainard Rd.

2. AWP (Area Wide Protection)

07:00 AM - 04:00 PM (9H 0M)

AWP Flagger shifts traffic to a turning lane to provide a work space for the crew using traffic cones and advanced warning signs.

AWP post signs on the site.

Hand held signs Stop / Slow.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Equipment Operator, 1x Foreman/Operator, 3x Inspector, 3x Laborer, 1x Welder

AWP (Area Wide Protection)

6x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Construction Cone, 1x Electric Generator, 1x Foreman Pickup Truck, 1x Steel Road Plate, 1x Welder/Torches, 1x Welding Truck & Equipment, 1x CAT 289C Skid Steer, 1x CAT 308D Excavator, 1x CAT 321D Excavator, 1x Mack Dump Truck

AWP (Area Wide Protection)

3x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:00 PM	9H 0M	
	Total:	9H 0M	

Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report

Report Number 114.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Friday, 11/01/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 2x Images

Attached Images

Backfill



Backfill



Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report

Report Number 115.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Monday, 11/04/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 7x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:09 AM	41°F	Dirt	Damp Surface	Cloudy / Sunny
12:29 PM	52°F	Dirt	Damp Surface	Dry and Windy
06:20 PM	52°F	Concrete	Damp Surface	Cloudy

Remarks

Met with Crew 6 workers AWP(Area Wide Protective) on the site.

Left the site Today Jonas P. Troyer Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy.

Met with Charlie Tirk Inspector with Dominion Energy.

Met with Kevin Krysty (Thrasher Group) Environmental Inspector. Met with Matt Varkle D.R.S. Foreman.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd next to Pepper Pike Park, and Brainard Rd at Fairmount for the installation of the last pieces of pipe. And they did the test for the new gas pipeline Last pieces.

Today the contractor worked on concrete under the highways bridge and backfill the trench near Brainard Rd with Shaker EAST.

And New concrete paths paving in the roundabout in front of Brainard Rd.

The contractor ordered five tracks of concrete (two MS and three FS)and they worked late and he doesn't mention that he ordered five tracks of concrete to the inspector. AWP weren't ready to control the road and work the night shift. The inspector later then calls his office to ordered a police officer to help control the road with the AWP. There were no issues even though the police officer didn't show up-All work is done.

At the end of the day, the contractor cleaned both areas and went home for the day.

There were One Dominion East Ohio Gas inspectors on site overseeing the preparation of the pipe. And One Environmental Inspector.

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 07:00 PM (12H 0M)

DRS Construction continues to put together the 6" lateral at the South end at Chagrin Boulevard South of the circle feed line for the city service complex to the East and the Synagogue to the West. And they did the test for the new gas pipeline. Today:

The contractor worked on concrete under the highways bridge and backfill the trench near Brainard Rd with Shaker EAST. Concrete (7.7*20.2) ft.

Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report

Report Number 115.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Monday, 11/04/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 7x Images

And New concrete paths paving in the roundabout in front of Brainard Rd. (10*35)ft, (5.5*22)ft.
Concrete MS delivered to the site Tickets number (16742, 16746),
FS (16748, 16749, 16751)

Crew excavated on the Concrete Sidewalk (path) near the curb in the circle. (5.5*6) ft concrete & (8.5*22) ft Concrete and Asphalt besides the fire department.

2. AWP (Area Wide Protection)

07:00 AM - 07:00 PM (12H 0M)

AWP Flagger shifts traffic to a turning lane to provide a work space for the crew using traffic cones and advanced warning signs. AWP post signs on the site.
Hand held signs Stop / Slow.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Equipment Operator, 1x Foreman/Laborer/Operator, 2x Inspector, 4x Laborer, 2x Truck Driver

AWP (Area Wide Protection)

6x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

30x Construction Cone, 4x Construction Signage, 1x Foreman Pickup Truck, 1x CAT 289C Skid Steer, 1x CAT 321D Excavator, 1x Ford F-350 Crew Cab Pickup Truck, 2x Mack Dump Truck

AWP (Area Wide Protection)

3x GMC Sierra Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	07:00 PM	12H 0M	
	Total:	12H 0M	

Approved By

System Administrator

Created By

Omar Al Azawi



Construction Report

Report Number 115.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Monday, 11/04/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 7x Images

Attached Images

Work on the sidewalk



Work on concrete under the highways bridge



AWP control the road



Work on the road



Approved By

System Administrator

Created By

Omar Al Azawi



Construction Report

Report Number 115.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Monday, 11/04/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 7x Images

New concrete paths paving



Work on the road put new concrete path paving



Concrete work



Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report**Report Number** 116.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Omar Al Azawi**Report Date** Tuesday, 11/05/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 4x Images**Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:22 AM	45°F	Dirt	Wet	Cloudy
01:19 PM	46°F	Asphalt	Damp Surface	Partly Cloudy
03:39 PM	45°F	Asphalt	Damp Surface	Cloudy / Sunny

Remarks

Met with Crew 8 workers AWP(Area Wide Protective) on the site.
Left the site Yesterday Jonas P. Troyer Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy.

Met with Charlie Tirk Inspector with Dominion Energy.

Met with Kevin Krysty (Thrasher Group) Environmental Inspector.

Met with Matt Varkle D.R.S. Foreman.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd next to Pepper Pike Park, and Brainard Rd at Fairmount for the installation of the last pieces of pipe. And they did the test for the new gas pipeline Last pieces.

Today the contractor worked in the morning on cleaning the site from some equipment and tools. New asphalt paths paving in the roundabout in front of Brainard Rd and New Curb concrete done today (7Ft) +and New curb drain with manhole cover +New Curb concrete done today (38ft)

12:30pm Robert Severt (Thrasher Group) Environmental Inspector supervision visited the site.

Yesterday:

The contractor worked on concrete under the highways bridge and backfill the trench near Brainard Rd with Shaker EAST. New concrete paths paving in the roundabout in front of Brainard Rd.

The contractor ordered five tracks of concrete (two MS and three FS)and they worked late and he doesn't mention that he ordered five tracks of concrete to the inspector. AWP wasn't ready to control the road and work the night shift. The inspector later then calls a police officer to help control the road with the AWP. There were no issues even though the police officer didn't show up-All work is done.

At the end of the day, the contractor cleaned both areas and went home for the day.

There were One Dominion East Ohio Gas inspectors on site overseeing the preparation of the pipe. And One Environmental Inspector.

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)****07:00 AM - 05:00 PM (10H 0M)****Approved By**

System Administrator

Created By

Omar Al Azawi

Construction Report

Report Number 116.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Tuesday, 11/05/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

DRS Construction continues to put together the 6" lateral at the South end at Chagrin Boulevard South of the circle feed line for the city service complex to the East and the Synagogue to the West. And they did the test for the new gas pipeline.

Today :

The contractor worked in the morning on clean the site from some equipment and tools.

And work on Asphalt and curb. New asphalt paths paving in the roundabout in front of Brainard Rd.

Asphalt tickets number (228335, 228336, 228351), Curb concrete work Ticket number (16793). and New Curb concrete done today (7+ 38)ft and New curb drain with manhole cover.

Yesterday:

The contractor worked on concrete under the highways bridge and backfill the trench near Brainard Rd with Shaker EAST. Concrete (7.7*20.2) ft

Concrete MS delivered to the site Tickets number (16742, 16746),
FS (16748, 16749, 16751)

Crew excavated on the Concrete Sidewalk (path) near the curb in the circle. (5.5*6) ft concrete & (5*6.5) ft Concrete and(17*8.5) Asphalt besides the fire department.

2. AWP (Area Wide Protection)

07:00 AM - 05:00 PM (10H 0M)

AWP Flagger shifts traffic to a turning lane to provide a workspace for the crew using traffic cones and advanced warning signs. AWP post signs on the site.

Hand held signs Stop / Slow.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)	2x Equipment Operator, 1x Foreman/Laborer/Operator, 2x Inspector, 4x Laborer
AWP (Area Wide Protection)	8x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)	1x Asphalt Roller, 1x Construction Cone, 1x Construction Signage, 1x Foreman Pickup Truck, 1x CAT 289C Skid Steer, 1x CAT 308D Excavator, 1x CAT 320E Excavator, 1x CAT 321D Excavator, 1x Mack Dump Truck
AWP (Area Wide Protection)	4x AWP Pickup Truck

Approved By	System Administrator
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Created By	Omar Al Azawi
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Construction Report

Report Number 116.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Tuesday, 11/05/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	05:00 PM	10H 0M	
	Total:	10H 0M	

Approved By

System Administrator

Created By

Omar Al Azawi



Construction Report

Report Number 116.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Tuesday, 11/05/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Attached Images

Work on the site new concrete curb and paving the road



Work on the asphalt add second layer



Work on the road



Work on the curb



Approved By

System Administrator

Created By

Omar Al Azawi

Construction Report

Report Number 117.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 11/06/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 11x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:19 AM	30°F	Asphalt	Damp Surface	Partly Cloudy
11:43 AM	40°F	Concrete	Damp Surface	Cloudy / Sunny
02:30 PM	45°F	Dirt	Damp Surface	Cloudy

Remarks

Met with crew six workers from AWP (Area Wide Protective) on the site. (Four additional crew workers came later).
Left the site last Monday, Jonas P. Troyer, Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy.
Met with Charlie Tirk, Inspector with Dominion Energy.
Met with Kevin Krysty, (Thrasher Group) Environmental Inspector.
Met with Matt Varkle, D.R.S. Foreman.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd. next to Pepper Pike Park and, Brainard Road at Fairmount for the installation of the last pieces of pipe. They tested for the new gas pipeline.

Today the contractor worked in the morning on cleaning the site of some equipment and tools. New asphalt paths paving in the roundabout in front of Brainard Road. In the corner, the contractor finished all the restoration work with the hydro seeder.
Note - The asphalt crew's work was not neat. (Expectations were not met).
Asphalt filling, patching, repair and dirt sand clean up in the circle near the Fire Department.
At the end of the day, the contractor cleaned both areas and left the site.
There was one Dominion East Ohio Gas inspector on site overseeing the preparation of the pipe, in addition to one Environmental Inspector.

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 06:00 PM (11H 0M)

Today: Work on the curb concrete ramp. New asphalt paths paving in the roundabout in front of Brainard Road. Asphalt ticket numbers :(228401, 228423, and 228510).

The contractor worked in the morning on cleaning the site of some equipment and tools.

Work on asphalt and curb. New asphalt paths paving in the roundabout in front of Brainard Road. Asphalt ticket numbers: (228335, 228336, and 228351). Curb work ticket number: (16793).

Note - The concrete and asphalt crew finished their work in this area, excavated on the concrete sidewalk (path) near the curb in the circle. (5.5*6) ft. concrete, (5*6.5) ft. concrete and, (8.5*17)ft. asphalt alongside the Fire Department. Concrete crew worked on the curb ramp today using FS concrete, delivery ticket number (16815).

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 117.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 11/06/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 11x Images

2. AWP (Area Wide Protection)

07:00 AM - 06:00 PM (11H 0M)

AWP flagger shifts traffic to a turning lane to provide a work space for the crew, using traffic cones and advanced warning signs. AWP posted signs on the site.
Used hand held signs Stop / Slow.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Equipment Operator, 1x Foreman/Laborer, 1x Foreman/Laborer/Operator, 2x Inspector, 6x Laborer, 1x Truck Driver

AWP (Area Wide Protection)

10x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Asphalt Roller, 1x Construction Cone, 1x Construction Signage, 1x Foreman Pickup Truck, 1x CAT 321D Excavator, 1x Mack Dump Truck

AWP (Area Wide Protection)

5x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	06:00 PM	11H 0M	
	Total:	11H 0M	

Approved By

Chris Keserich

Created By

Omar Al Azawi



Construction Report

Report Number 117.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 11/06/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 11x Images

Attached Images

Asphalt work



Clean up work



Curb Concrete ramp



Work on the Curb Concrete Ramp



Approved By

Chris Keserich

Created By

Omar Al Azawi



Construction Report

Report Number 117.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 11/06/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 11x Images

Asphalt work done pave



Top soil and sand



Hydro seeder and restoration work



Sidewalk asphalt new paving



Approved By

Chris Keserich

Created By

Omar Al Azawi



Construction Report

Report Number 117.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 11/06/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 11x Images

Note- The Asphalt work was not neat. (Expectations weren't reached)



Note- The Asphalt work was not neat. (Expectations weren't reached)



Note- The Asphalt work was not neat. (Expectations weren't reached)



Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 118.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Thursday, 11/07/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:51 AM	38°F	Dirt	Wet	Cloudy
02:57 PM	32°F	Dirt	Snow Covered	Cloudy

Remarks

Left the site last Monday, Jonas P. Troyer Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy.

Met with Charlie Tirk, Inspector with Dominion Energy.

Met with Kevin Krysty, (Thrasher Group) Environmental Inspector.

Met with Matt Varkle, D.R.S. Foreman.

Met with crew, six workers AWP (Area Wide Protective) on the site.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd. next to Pepper Pike Park and, Brainard Road at Fairmount for the installation of the last pieces of pipe. Tested for the new gas pipeline; last pieces.

Today the contractor worked in Brainard Road and Fairmount Blvd. intersection in front yard of 2804 Brainard Road Excavated and make drain pipeline connections then backfill.

10:35 a.m., Daniel Abramezyk with Environmental Science visited the site and took pictures.

Note - The asphalt crew work was not neat. (Expectations were not reached)

At the end of the day, the contractor cleaned both areas and went home for the day.

There was one Dominion East Ohio Gas Inspector on site overseeing the preparation of the pipe and, one Environmental Inspector.

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 04:00 PM (9H 0M)

Today:

The contractor worked in Brainard Road and Fairmount Blvd. intersection in front yard of 2804 Brainard Road, excavated and made drain pipeline connections then backfilled.

PVC Sewer pipe 6" 12454 TYPE PSM SDR35 ASTMD3034.

Hydro seeding crew worked on the site after restoration crew work.

Yesterday:

Work on the curb concrete ramp. New asphalt paths paving in the roundabout in front of Brainard Road. Asphalt tickets numbers: (228401, 228423, 228510)

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 118.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Thursday, 11/07/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

The contractor worked in the morning on cleaning the site of equipment and tools.
Work on asphalt and curb. New asphalt paths paving in the roundabout in front of Brainard Road. Asphalt ticket numbers: (228335, 228336 and 228351). Curb work ticket number (16793).

Note - The concrete and asphalt crew finished their work in this area; excavated on the concrete sidewalk (path) near the curb in the circle. (5.5*6) ft. concrete & (5*6.5) ft. concrete and (8.5*17)ft. asphalt, beside the Fire Department. Concrete crew worked on the curb ramp today using FS concrete delivery ticket number: (16815).

2. AWP (Area Wide Protection)

07:00 AM - 04:00 PM (9H 0M)

AWP flagger shifts traffic to a turning lane to provide a work space for the crew using traffic cones and advanced warning signs. AWP posted signs on the site.
Used hand held signs Stop / Slow.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Equipment Operator, 1x Foreman/Laborer/Operator, 2x Inspector, 1x Laborer

AWP (Area Wide Protection)

6x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

30x Construction Cone, 4x Construction Signage, 1x Foreman Pickup Truck, 4x Steel Road Plate, 1x CAT 289C Skid Steer, 1x CAT 308D Excavator

AWP (Area Wide Protection)

3x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:00 PM	9H 0M	
	Total:	9H 0M	

Approved By

Chris Keserich

Created By

Omar Al Azawi



Construction Report

Report Number 118.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Thursday, 11/07/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Attached Images

Excavated work on connection drain pipeline



Work



BACKFILL



Hydro seeders



Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report**Report Number** 119.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Omar Al Azawi**Report Date** Friday, 11/08/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 4x Images**Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:14 AM	29°F	Dirt	Frozen	Snow
12:08 PM	32°F	Concrete	Damp Surface	Cloudy / Sunny

Remarks

Met with Crew 6 workers AWP(Area Wide Protective) on the site.
Left the site last Monday Jonas P. Troyer Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy.

Met with Charlie Tirk Inspector with Dominion Energy.

Met with Kevin Krysty (Thrasher Group) Environmental Inspector. Met with Matt Varkle D.R.S. Foreman.

11:30am Stephen G. Struck Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy be in the site.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd next to Pepper Pike Park, and Brainard Rd at Fairmount for the installation of the last pieces of pipe. And they did the test for the new gas pipeline Last pieces.

Today the contractor worked in Repair of existing 7'x 5' Culvert using Hydro-Vacuum Truck and Excavated below Shaker Blvd. in Pepper Pike. Approx. Location 41.479401, -81.483420

Note- The Asphalt Crews work was not neat. (Expectations weren't reached)

At the end of the day, the contractor cleaned the site and went home for the day.

There were Two Dominion East Ohio Gas inspectors on site overseeing the preparation of the pipe. And One Environmental Inspector.

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)****07:00 AM - 03:00 PM (8H 0M)**

Today : Repair of existing 7'x 5' Culvert using Hydro-Vacuum Truck and Excavated below Shaker Blvd. in Pepper Pike. Approx. Location 41.479401, -81.483420.

Yesterday :

The contractor worked on Brainard Rd @ Fairmount blvd intersection in front yard of 2804 Brainard Rd Excavated and make

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 119.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Friday, 11/08/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

drain pipeline connections.

Description for the pipe used: PVC Sewer pipe 6" 12454 TYPE PSM SDR35 ASTMD3034

At the end of the day, the contractor cleaned the site, covered the hole by steel road plate, secured the hole by the using cones and Construction Signage and went home for the day.

2. AWP (Area Wide Protection)

07:00 AM - 03:00 PM (8H 0M)

AWP Flagger shifts traffic to a turning lane to provide a work space for the crew using traffic cones and advanced warning signs. AWP post signs on the site.
Hand held signs Stop / Slow.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Equipment Operator, 1x Foreman/Laborer/Operator, 3x Inspector, 4x Laborer

AWP (Area Wide Protection)

6x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

30x Construction Cone, 4x Construction Signage, 1x Electric Generator, 1x Foreman Pickup Truck, 1x Hydro-Vacuum Truck, 4x Steel Road Plate, 1x CAT 262D Skid Steer, 1x CAT 308D Excavator, 1x Mack Dump Truck

AWP (Area Wide Protection)

3x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	03:00 PM	8H 0M	
	Total:	8H 0M	

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 119.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Friday, 11/08/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Attached Images

Culvert work using Hydro-Vacuum Truck for excavated



Work



Culvert work using Hydro-Vacuum Truck and Excavated below Shaker Blvd in the roundabout



Culvert work using Hydro-Vacuum Truck and Excavated below Shaker Blvd in the roundabout



Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report**Report Number** 120.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Omar Al Azawi**Report Date** Monday, 11/11/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 4x Images**Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:15 AM	37°F	Dirt	Wet	Cloudy
03:12 PM	35°F	Concrete	Wet	Rain & Snow

Remarks

Met with Crew 2 workers AWP(Area Wide Protective) on the site.
Left the site Today Monday Charlie Tirk Inspector with Dominion Energy.
Met with Kevin Krysty (Thrasher Group) Environmental Inspector.
Met with Matt Varkle D.R.S. Foreman.
Met with Stephen G. Struck Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy be in the site.
The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd next to Pepper Pike Park, and Brainard Rd at Fairmount for the installation of the last pieces of pipe. And they did the test for the new gas pipeline Last pieces.

Today the contractor worked in Repair of existing 7'x 5' Culvert SAW CUT using Hydro-Vacuum Truck and Excavated below Shaker Blvd. in Pepper Pike. Approx. Location 41.479401, -81.483420.
Concrete crew show up today work on the culvert

Note: Supervision from Pepper Pike visited the site and spoke with Environmental Inspector about Storm Drain Filter Sock around the curb manhole.

12:45pm Todd Toaz Contract Administrator with QCI visited the site and discussed with QCI Inspector the work.

Note- The Asphalt Crews work was not neat and the restoration crew . (Expectations weren't reached)

At the end of the day, the contractor cleaned the site and went home for the day.

There were Two Dominion East Ohio Gas inspectors on site overseeing the preparation of the pipe. And One Environmental Inspector.

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)****07:00 AM - 04:00 PM (9H 0M)**

Today : Repair of existing 7'x 5' Culvert SAW CUT using Hydro-Vacuum Truck and Excavated below Shaker Blvd. in Pepper Pike. Approx. Location 41.479401, -81.483420. Today concrete crew show up work on Culvert.

57W Limestone delivered to the site ticket number: 186139 used in Culvert area.

Note: Curb (granite stone) broken in the circle in different areas.

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 120.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Monday, 11/11/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

At the end of the day, the contractor cleaned the site, covered the hole by steel road plate, secured the hole by the using cones and Construction Signage and went home for the day.

2. AWP (Area Wide Protection)

07:00 AM - 04:00 PM (9H 0M)

AWP Flagger shifts traffic to a turning lane to provide a work space for the crew using traffic cones and advanced warning signs. AWP post signs on the site. Hand held signs Stop / Slow.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Equipment Operator, 1x Foreman/Laborer/Operator, 2x Inspector, 4x Laborer

AWP (Area Wide Protection)

6x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Box Utility Truck, 30x Construction Cone, 1x Construction Signage, 1x Ford 550 Tool Truck, 1x Foreman Pickup Truck, 1x Hammer, 1x Hydro-Vacuum Truck, 4x Steel Road Plate, 1x CAT 303 Mini Excavator, 1x CAT 308D Excavator, 1x Mack Dump Truck

AWP (Area Wide Protection)

3x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:00 PM	9H 0M	
	Total:	9H 0M	

Approved By

Chris Keserich

Created By

Omar Al Azawi



Construction Report

Report Number 120.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Monday, 11/11/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 4x Images

Attached Images

Work on saw cut concrete Culvert



Saw cut



Curb broken in the circle



Secured area end of the day



Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 121.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 11/13/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:24 AM	17°F	Concrete	Snow Covered	Snow

Remarks

Met with Crew 6 workers AWP(Area Wide Protective) on the site.

Left the site Monday Charlie Tirk Inspector with Dominion Energy.

Met with Kevin Krysty (Thrasher Group) Environmental Inspector.

Met with Matt Varkle D.R.S. Foreman.

Met with Stephen G. Struck Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy be in the site.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd next to Pepper Pike Park, and Brainard Rd at Fairmount for the installation of the last pieces of pipe. And they did the test for the new gas pipeline Last pieces.

Today the contractor worked in Repair of existing 7'x 5' Culvert SAW CUT concrete & change part of the drain pipe below Shaker Blvd. in Pepper Pike. Approx. Location 41.479401, -81.483420.

Concrete crew show up today work on the culvert.

12'x23 ft asphalt hole including two main manhole, culvert work 6'x8.5 ft saw cut concrete depth 12 inches top of the culvert thickness +18 inches depth in the wall in both sides so the total saw cut depth 30 inches.

9:45 Supervisions with Thrasher Environmental visited the site and discussed with Thrasher Inspector work in the site the work.

Note- The Asphalt Crews work was not neat and the restoration crew . (Expectations weren't reached).

At the end of the day, the contractor cleaned the site and went home for the day.

There were One Dominion East Ohio Gas inspectors on site overseeing the preparation of the pipe. And One Environmental Inspector.

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 04:00 PM (9H 0M)

Today : Repair of existing 7'x 5' Culvert SAW CUT concrete & change part of the drain pipe below Shaker Blvd. in Pepper Pike. Approx. Location 41.479401, -81.483420.

Today concrete crew show up work on Culvert. 57W Limestone delivered to the site ticket number: 186139 used in Culvert area.

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 121.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 11/13/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

12*23 ft asphalt hole including two main manhole, culvert work 6*8.5 ft saw cut concrete depth 12 inches top of the culvert thickness +18 inches depth in the wall in both sides so the total saw cut depth 30 inches.

Note: Curb (granite stone) broken in the circle in different areas.

At the end of the day, the contractor cleaned the site, covered the hole by steel road plate, secured the hole by the using cones and Construction Signage and went home for the day.

2. AWP (Area Wide Protection)

07:00 AM - 04:00 PM (9H 0M)

AWP Flagger shifts traffic to a turning lane to provide a work space for the crew using traffic cones and advanced warning signs. AWP post signs on the site.
Hand held signs Stop / Slow.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

2x Equipment Operator, 1x Foreman/Laborer/Operator, 2x Inspector, 4x Laborer, 1x Truck Driver

AWP (Area Wide Protection)

6x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Box Utility Truck, 1x Concrete Road Saw, 1x Construction Cone, 1x Construction Signage, 1x Ford 550 Tool Truck, 1x Foreman Pickup Truck, 1x Hydro-Vacuum Truck, 1x Signs, 1x Steel Road Plate, 1x CAT 308D Excavator, 1x Dodge Ram Pickup Truck, 1x GMC Pickup Truck, 1x Mack Dump Truck

AWP (Area Wide Protection)

3x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:00 PM	9H 0M	
	Total:	9H 0M	

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 121.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Wednesday, 11/13/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 3x Images

Attached Images

Saw cut concrete work



Culvert SAW CUT concrete



Culvert SAW CUT concrete & change part of the drain pipe



Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report**Report Number** 122.1**Project** DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox**Inspecting For** Chagrin Valley Engineering**Location** Pepper Pike, Ohio**Created By** Omar Al Azawi**Report Date** Thursday, 11/14/2019**Job Number** 60-2019-933**Prime Contractor** Dominion East Ohio-General / DRS Ent. - Sub**Engineer** Don Sheehy, PE, PS**Report List** 5x Images**Environment Conditions**

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
07:18 AM	26°F	Concrete	Wet	Cloudy
11:27 AM	32°F	Concrete	Wet	Cloudy
11:27 AM	35°F	Concrete	Damp Surface	Cloudy

Remarks

Met with Crew 4 workers AWP(Area Wide Protective) on the site.
Left the site Today Monday Charlie Tirk Inspector with Dominion Energy.
Met with Kevin Krysty (Thrasher Group) Environmental Inspector. Met with Matt Varkle D.R.S. Foreman.
Met with Stephen G. Struck Engineering Technician Inspector (Transmission Production Storage Construction) with Dominion Energy be in the site.

The contractor excavated and prepped the 30" high pressure gas line installation area on Shaker Blvd next to Pepper Pike Park, and Brainard Rd at Fairmount for the installation of the last pieces of pipe. And they did the test for the new gas pipeline Last pieces.

Today : the contractor worked in Repair of existing 7'x 5' Culvert SAW CUT concrete & change part of the drain pipe below Shaker Blvd. in Pepper Pike. Approx. Location 41.479401, -81.483420.

Concrete crew show up today work on the culvert.

12*23 ft asphalt hole including two main manhole, culvert work 6*8.5 ft saw cut concrete depth 12 inches top of the culvert thickness +18 inches depth in the wall in both sides so the total saw cut depth 30 inches.

Work on Culvert SAW CUT Concrete & new Reinforced 60 epoxy coated bars.

9:45 Supervisions with Thrasher Environmental visited the site and discussed with Thrasher Inspector work in the site the work.

Note- The Asphalt Crews work was not neat and the restoration crew . (Expectations weren't reached).

At the end of the day, the contractor cleaned the site and went home for the day.

There were One Dominion East Ohio Gas inspectors on site overseeing the preparation of the pipe. And One Environmental Inspector.

Description of Work**1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)****07:00 AM - 04:00 PM (9H 0M)**

Today : Repair of existing 7'x 5' Culvert SAW CUT concrete & change part of the drain pipe below Shaker Blvd. in Pepper Pike. Approx. Location 41.479401, -81.483420.

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 122.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Thursday, 11/14/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 5x Images

Today concrete crew show up work on Culvert. 57W Limestone delivered to the site ticket number: 186139 used in Culvert area.

12*23 ft asphalt hole including two main manhole, culvert work 6*8.5 ft saw cut concrete depth 12 inches top of the culvert thickness +18 inches depth in the wall in both sides so the total saw cut depth 30 inches.

Note: Curb (granite stone) broken in the circle in different areas.

Work on Culvert SAW CUT Concrete & Reinforced 60 epoxy coated bars

At the end of the day, the contractor cleaned the site, covered the hole by steel road plate, secured the hole by the using cones and Construction Signage and went home for the day.

2. AWP (Area Wide Protection)

07:00 AM - 04:00 PM (9H 0M)

AWP Flagger shifts traffic to a turning lane to provide a work space for the crew using traffic cones and advanced warning signs. AWP post signs on the site.

Hand held signs Stop / Slow.

Workforce Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Equipment Operator, 1x Foreman/Laborer/Operator, 2x Inspector, 4x Laborer, 1x Truck Driver

AWP (Area Wide Protection)

4x Flagger

Equipment Totals

Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Construction Cone, 1x Construction Signage, 1x Ford 550 Tool Truck, 1x Foreman Pickup Truck, 1x Hydro-Vacuum Truck, 1x CAT 262B Skid Steer w/ Power Broom, 1x CAT 303 Excavator, 1x CAT 308D Excavator, 1x GMC Pickup Truck, 1x Mack Dump Truck

AWP (Area Wide Protection)

2x AWP Pickup Truck

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	04:00 PM	9H 0M	

Approved By

Chris Keserich

Created By

Omar Al Azawi



Construction Report

Report Number 122.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Thursday, 11/14/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 5x Images

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
	Total:	9H 0M	

Approved By

Chris Keserich

Created By

Omar Al Azawi



Construction Report

Report Number 122.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Thursday, 11/14/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 5x Images

Attached Images

Work on Culvert SAW CUT Concrete & Reinforced bars



Work on Culvert SAW CUT Concrete & Reinforced bars



Work on Culvert SAW CUT Concrete & Reinforced bars



Work on Culvert SAW CUT Concrete & Reinforced bars



Approved By

Chris Keserich

Created By

Omar Al Azawi



Construction Report

Report Number 122.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Thursday, 11/14/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 5x Images

Work on Culvert SAW CUT Concrete & Reinforced bars



Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report
Report Number 123.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Friday, 11/15/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 30x Images

Environment Conditions

Time Recorded	Air Temp	Ground Type	Ground Conditions	Weather Conditions
08:23 AM	29°F	N/A	Damp Surface	Cloudy
01:36 PM	35°F	Dirt	Damp Surface	Cloudy / Sunny
05:30 PM	32°F	Dirt	Wet	Cloudy

Remarks

Today : Gas-Pipeline explosion-shut downs roads in Pepper Pike, on Brainard Circle, many houses without power because of the explosion, Roads in the area, including Gates Mills Boulevard from Lander Road to Brainard Circle, Shaker Boulevard from Lander Road to Richmond Road, and Brainard Road from Fairmount to South Woodland we're Closed, because of the damage to the roads and power lines , but casual observation reveals that the damage is very extensive to the circle.

- Todd Toaz Contract Administrator at QCI Quality Control Inspection, Inc. visited the site early in Morning stayed with the Inspector of QCI in the site And keep in touch with QCI Inspector in the site by the phone.
- Met with Stephen K. Kaelin Manager Gas Operations (Transmission and Construction) with Dominion Energy Ohio & 6-8 Dominion Engineering's and 5-10 between inspectors and technicians.
- Police Officer & Fire Department officer from Pepper Pike work in the site.
- Nerone & sons inc. work on the site for investigation explosion main gas pipeline under Shaker Blvd in Brainard Rd circle.
- Enviro Serve a savage company (Environmental Oilfield services)emergency spill response work on the site.
- USIC (us infrastructure company) engineer and technician work on the site.
- The Illuminating Company A first Energy Company work on return power to the houses in the area.
- Michael F. Purcell Gas Pipeline Safety Compliance Investigator, and Christopher Domonkos Utility Specialist 2 (Facility & Operations Field Division-Service Monitoring & Enforcement Department).
- DNV . GL- Kevth Ralston work on the site.

Last work on the site before the explosion:

Repair of existing 7'x 5' Culvert SAW CUT concrete & change part of the drain pipe below Shaker Blvd. in Pepper Pike.
Approx. Location 41.479401, -81.483420. Work on Culvert SAW CUT Concrete & Reinforced 60 epoxy coated bars

Note: asphalt road in the circle near the culvert work in front of Brainard Rd get hole, and cracks in different places on the road.

Note: Curb (granite stone) broken in the circle in different areas.

At the end of the day, the contractor cleaned the site, covered the hole by steel road plate, secured the hole by the using cones and Construction Signage and went home for the day.

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 123.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Friday, 11/15/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 30x Images

Description of Work

1. Dominion East Ohio-General / DRS Ent. - Sub (Prime)

07:00 AM - 03:00 PM (8H 0M)

Today : Repair of existing 7'x 5' Culvert SAW CUT concrete & change part of the drain pipe below Shaker Blvd. in Pepper Pike. Approx. Location 41.479401, -81.483420.

Today : the foreman with the owner stayed in the site looking for the investigations in the gas pipeline explosion.

2. AWP (Area Wide Protection)

07:00 AM - 03:00 PM (8H 0M)

AWP Flagger shifts traffic to a turning lane to provide a work space for the crew using traffic cones and advanced warning signs. AWP post signs on the site.

Hand held signs Stop / Slow.

3. Dominion - General / Sub: 1127 Construction Inc.

07:00 AM - 07:30 PM (12H 30M)

Today : Gas-Pipeline explosion-shut downs roads in Pepper Pike, on Brainard Circle, many houses without power because of the explosion, Roads in the area, including Gates Mills Boulevard from Lander Road to Brainard Circle, Shaker Boulevard from Lander Road to Richmond Road, and Brainard Road from Fairmount to South Woodland we're Closed, because of the damage to the roads and power lines , but casual observation reveals that the damage is very extensive to the circle.

Clean the street in the circle and excavated in two area, removed the burning machines and investigated to know the reason what caused the Gas Pipeline explosion. Power company work on the changing burn Electrical Poles.

Dominion leak detection was on site – completed leak surveys and found no issues.

Tree removal in the Brainard circle all trees that need to come down 5 are down already. Total tree burn 6 in the circle. unsafe trees are removed.

started excavation to see the pipe and will likely run a camera through the pipe to further investigate the situation.

1127, the excavation contractor, is onsite and has excavated one area already. Additional work will continue once trees are removed.

EnviroScience, an environmental contractor, is onsite to investigate and found no indication of oil/diesel in sewers. Other areas have been remediated as necessary.

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report
Report Number 123.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Friday, 11/15/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 30x Images

At the end of the day, the contractor cleaned the site, covered the hole by steel road plate, secured the hole by the using cones and Construction Signage and went home for the day.

Workforce Totals
Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Foreman/Laborer/Operator, 1x Owner

AWP (Area Wide Protection)

4x Flagger

Dominion - General / Sub: 1127 Construction Inc.

3x Chief Engineer, 10x Engineer, 1x Foreman/Laborer/Operator, 5x Inspector, 6x Laborer, 2x Operator, 1x Supervisor, 10x Technician, 2x Truck Driver

Equipment Totals
Dominion East Ohio-General / DRS Ent. - Sub (Prime)

1x Ford 350 Pick up Truck, 1x Foreman Pickup Truck, 1x CAT 262D Skid Steer, 1x CAT 303 Excavator, 1x CAT 308D Excavator

AWP (Area Wide Protection)

2x AWP Pickup Truck

Dominion - General / Sub: 1127 Construction Inc.

1x Box Utility Truck, 100x Construction Cone, 1x Foreman Pickup Truck, 1x Light Plant Generator, 6x Steel Road Plate, 2x Trench Box, 2x Komatsu 228 Excavator

Inspector TimeCard			
Start Time	Stop Time	Total Time	Description
07:00 AM	07:30 PM	12H 30M	Work on the site
	Total:	12H 30M	

Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 123.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Friday, 11/15/2019

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Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 30x Images

Attached Images

Gas-Pipeline explosion-shut downs roads in Pepper Pike, on Brainard Circle between Gates Mills Blvd SW - Brainard Rd - & W Shaker Blvd. on the opposite side to the Pepper Pike Police Department



Gas-Pipeline explosion-shut downs roads in Pepper Pike, on Brainard Circle between Gates Mills Blvd SW - Brainard Rd - & W Shaker Blvd. on the opposite side to the Pepper Pike Police Department



Gas-Pipeline explosion-shut downs roads in Pepper Pike, on Brainard Circle between Gates Mills Blvd SW - Brainard Rd - & W Shaker Blvd. on the opposite side to the Pepper Pike Police Department



Gas-Pipeline explosion-shut downs roads in Pepper Pike, on Brainard Circle between Gates Mills Blvd SW - Brainard Rd - & W Shaker Blvd. on the opposite side to the Pepper Pike Police Department



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Chris Keserich

Created By

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Construction Report

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Engineer Don Sheehy, PE, PS

Report List 30x Images

Gas-Pipeline explosion-shut downs roads in Pepper Pike, on Brainard Circle between Gates Mills Blvd SW - Brainard Rd - & W Shaker Blvd. on the opposite side to the Pepper Pike Police Department



Gas-Pipeline explosion-shut downs roads in Pepper Pike, on Brainard Circle between Gates Mills Blvd SW - Brainard Rd - & W Shaker Blvd. on the opposite side to the Pepper Pike Police Department



Gas-Pipeline explosion-shut downs roads in Pepper Pike, on Brainard Circle between Gates Mills Blvd SW - Brainard Rd - & W Shaker Blvd. on the opposite side to the Pepper Pike Police Department



Gas-Pipeline explosion-shut downs roads in Pepper Pike, on Brainard Circle between Gates Mills Blvd SW - Brainard Rd - & W Shaker Blvd. on the opposite side to the Pepper Pike Police Department



Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

Report Number 123.1

Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

Inspecting For Chagrin Valley Engineering

Location Pepper Pike, Ohio

Created By Omar Al Azawi

Report Date Friday, 11/15/2019

Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 30x Images

*Gas-Pipeline explosion-shut downs roads in Pepper Pike, on
Brainard Circle between Gates Mills Blvd SW - Brainard Rd -
& W Shaker Blvd. on the opposite side to the Pepper Pike
Police Department*



*Gas-Pipeline explosion-shut downs roads in Pepper Pike, on
Brainard Circle between Gates Mills Blvd SW - Brainard Rd -
& W Shaker Blvd. on the opposite side to the Pepper Pike
Police Department*



*Gas-Pipeline explosion-shut downs roads in Pepper Pike, on
Brainard Circle between Gates Mills Blvd SW - Brainard Rd -
& W Shaker Blvd. on the opposite side to the Pepper Pike
Police Department*



*Gas-Pipeline explosion-shut downs roads in Pepper Pike, on
Brainard Circle between Gates Mills Blvd SW - Brainard Rd -
& W Shaker Blvd. on the opposite side to the Pepper Pike
Police Department*



Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

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Project DOM-PEP Brainard Road/PIR-019/MWO
#63147886/CWO #63683179/Project Manager: Corey Wilcox

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Location Pepper Pike, Ohio

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Sub

Engineer Don Sheehy, PE, PS

Report List 30x Images

*Gas-Pipeline explosion-shut downs roads in Pepper Pike, on
Brainard Circle between Gates Mills Blvd SW - Brainard Rd -
& W Shaker Blvd. on the opposite side to the Pepper Pike
Police Department*



*Gas-Pipeline explosion-shut downs roads in Pepper Pike, on
Brainard Circle between Gates Mills Blvd SW - Brainard Rd -
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Police Department*



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Brainard Circle between Gates Mills Blvd SW - Brainard Rd -
& W Shaker Blvd. on the opposite side to the Pepper Pike
Police Department*



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Police Department*



Approved By

Chris Keserich

Created By

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Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 30x Images

*Excavated work in the corner between Brainard Rd & W
Shaker Blvd, end of the day secured area*



*Excavated work in the corner between Brainard Rd & W
Shaker Blvd, end of the day secured area*



Excavated in the circle in front of the culvert saw cut area



Excavated in the circle in front of the culvert saw cut area



Approved By

Chris Keserich

Created By

Omar Al Azawi



Construction Report

Report Number 123.1

Project DOM-PEP Brainard Road/PIR-019/MWO
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Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 30x Images

Excavated in the circle in front of the culvert saw cut area



Power company work on the changing burn Electrical Poles And cables



Power company work on the changing burn Electrical Poles And cables



Power company work on the changing burn Electrical Poles And cables



Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

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#63147886/CWO #63683179/Project Manager: Corey Wilcox

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Prime Contractor Dominion East Ohio-General / DRS Ent. - Sub

Engineer Don Sheehy, PE, PS

Report List 30x Images

Power company work on the changing burn Electrical Poles And cables



6 Tree removal in the Brainard circle all trees that need to come down 5 are down already.



6 Tree removal in the Brainard circle all trees that need to come down 5 are down already.



6 Tree removal in the Brainard circle all trees that need to come down 5 are down already.



Approved By

Chris Keserich

Created By

Omar Al Azawi

Construction Report

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#63147886/CWO #63683179/Project Manager: Corey Wilcox

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Job Number 60-2019-933

Prime Contractor Dominion East Ohio-General / DRS Ent. -
Sub

Engineer Don Sheehy, PE, PS

Report List 30x Images

*6 Tree removal in the Brainard circle all trees that need to
come down 5 are down already.*



*6 Tree removal in the Brainard circle all trees that need to
come down 5 are down already.*



Approved By


Chris Keserich

Created By

Omar Al Azawi

Exhibit 4

DEO Pepper Pike Incident Report (Supplemental) 12-27-19

NOTICE: This report is required by 49 CFR Part 191. Failure to report can result in a civil penalty not to exceed 100,000 for each violation for each day that such violation persists except that the maximum civil penalty shall not exceed \$1,000,000 as provided in 49 USC 60122.		OMB NO: 2137-0522 EXPIRATION DATE: 8/31/2020	
 U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration		Original Report Date:	12/14/2019
		No.	20190142- 33131
		(DOT Use Only)	
INCIDENT REPORT - GAS DISTRIBUTION SYSTEM			
A federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a current valid OMB Control Number. The OMB Control Number for this information collection is 2137-0522. All responses to this collection of information are mandatory. Send comments regarding the burden or any other aspect of this collection of information, including suggestions for reducing the burden to: Information Collection Clearance Officer, PHMSA, Office of Pipeline Safety (PHP-30) 1200 New Jersey Avenue, SE, Washington, D.C. 20590.			
INSTRUCTIONS			
Important: Please read the separate instructions for completing this form before you begin. They clarify the information requested and provide specific examples. If you do not have a copy of the instructions, you can obtain one from the PHMSA Pipeline Safety Community Web Page at http://www.phmsa.dot.gov/pipeline/library/forms .			
PART A - KEY REPORT INFORMATION			
Report Type: (select all that apply)	Original:	Supplemental:	Final:
Last Revision Date	12/27/2019	Yes	
1. Operator's OPS-issued Operator Identification Number (OPID):	4060		
2. Name of Operator	DOMINION ENERGY OHIO		
3. Address of Operator:			
3a. Street Address	1201 EAST 55TH STREET		
3b. City	CLEVELAND		
3c. State	Ohio		
3d. Zip Code	44103		
4. Local time (24-hr clock) and date of the Incident:	11/15/2019 01:01		
5. Location of Incident:			
5a. Street Address or location description	28000 Shaker Blvd		
5b. City	Pepper Pike		
5c. County or Parish	Cuyahoga		
5d. State:	Ohio		
5e. Zip Code:	44124		
5f. Latitude:	41.479437		
Longitude:	-81.483215		
6. National Response Center Report Number:	1263988		
7. Local time (24-hr clock) and date of initial telephonic report to the National Response Center:	11/15/2019 02:56		
8. Incident resulted from:	Unintentional release of gas		
9. Gas released:	Natural Gas		
- Other Gas Released Name:			
10. Estimated volume of gas released - Thousand Cubic Feet (MCF):	13,179.000		
11. Were there fatalities?	No		
- If Yes, specify the number in each category:			
11a. Operator employees			
11b. Contractor employees working for the Operator			
11c. Non-Operator emergency responders			
11d. Workers working on the right-of-way, but NOT associated with this Operator			
11e. General public			
11f. Total fatalities (sum of above)			
12. Were there injuries requiring inpatient hospitalization?	No		
- If Yes, specify the number in each category:			
12a. Operator employees			
12b. Contractor employees working for the Operator			
12c. Non-Operator emergency responders			
12d. Workers working on the right-of-way, but NOT associated with this Operator			
12e. General public			
12f. Total injuries (sum of above)			
13. Was the pipeline/facility shut down due to the incident?	Yes		
- If No, Explain:			
- If Yes, complete Questions 13a and 13b: (use local time, 24-hr clock)			

13a. Local time and date of shutdown:	11/15/2019 03:30
13b. Local time pipeline/facility restarted:	12/10/2019 23:20
- Still shut down? (* Supplemental Report Required)	
14. Did the gas ignite?	Yes
15. Did the gas explode?	No
16. Number of general public evacuated:	40
17. Time sequence (use local time, 24-hour clock):	
17a. Local time operator identified Incident - effective 10-2014, "Incident" changed to "failure"	11/15/2019 01:01
17b. Local time operator resources arrived on site:	11/15/2019 01:28
PART B - ADDITIONAL LOCATION INFORMATION	
1. Was the Incident on Federal land?	No
2. Location of Incident	Public property
3. Area of Incident:	Underground
Specify:	Under pavement
If Other, Describe:	
Depth of Cover:	208
4. Did Incident occur in a crossing?	Yes
- If Yes, specify type below:	
- If Bridge crossing –	
Cased/ Uncased:	
- If Railroad crossing –	
Cased/ Uncased/ Bored/drilled	
- If Road crossing –	Yes
Cased/ Uncased/ Bored/drilled	Bored/drilled
- If Water crossing –	
Cased/ Uncased	
Name of body of water (If commonly known):	
Approx. water depth (ft):	
PART C - ADDITIONAL FACILITY INFORMATION	
1. Indicate the type of pipeline system:	Privately Owned
- If Other, specify:	
2. Part of system involved in Incident:	Main
- If Other, specify:	
2a. Year "Part of system involved in Incident" was installed:	2019
3. When "Main" or "Service" is selected as the "Part of system involved in Incident" (from PART C, Question 2), provide the following:	
3a. Nominal diameter of pipe (in):	30
3b. Pipe specification (e.g., API 5L, ASTM D2513):	API 5L
3c. Pipe manufacturer:	Dura-Bond
3d. Year of manufacture:	2018
4. Material involved in Incident:	Steel
- If Other, specify:	
4a. If Steel, Specify seam type:	SAWL
None/Unknown?	
4b. If Steel, Specify wall thickness (inches):	.375
4c. If Plastic, Specify type:	
- If Other, describe:	
4d. If Plastic, Specify Standard Dimension Ratio (SDR):	
Or wall thickness:	
4e. If Polyethylene (PE) is selected as the type of plastic in Part C, Question 4.c:	
- Specify PE Pipe Material Designation Code (i.e. 2406, 3408, etc.)	
Unknown?	
5. Type of release involved :	Leak
- If Mechanical Puncture - Specify Approx size:	
Approx. size: in. (axial):	
in. (circumferential):	
- If Leak - Select Type:	Crack
- If Other, Describe:	
- If Rupture - Select Orientation:	
- If Other, Describe:	
Approx. size: (widest opening):	
(length circumferentially or axially):	
- If Other - Describe:	

PART D - ADDITIONAL CONSEQUENCE INFORMATION	
1. Class Location of Incident :	Class 3 Location
2. Estimated Property Damage :	
2a. Estimated cost of public and non-Operator private property damage paid/reimbursed by the Operator – effective 6-2011, "paid/reimbursed by the Operator" removed	\$ 2,000,000
Estimated cost of gas released – effective 6-2011, moved to item 2f	
2b. Estimated cost of Operator's property damage & repairs	\$ 2,000,000
2c. Estimated cost of Operator's emergency response	\$ 100,000
2d. Estimated other costs	\$ 0
- Describe:	
2e. Property damage subtotal (sum of above)	\$ 4,100,000
Cost of Gas Released	
2f. Estimated cost of gas released	\$ 30,838
Total of all costs	\$ 4,130,838
3. Estimated number of customers out of service:	
3a. Commercial entities	0
3b. Industrial entities	0
3c. Residences	0
PART E - ADDITIONAL OPERATING INFORMATION	
1. Estimated pressure at the point and time of the Incident (psig):	193.00
2. Normal operating pressure at the point and time of the Incident (psig):	193.00
3. Maximum Allowable Operating Pressure (MAOP) at the point and time of the Incident (psig):	249.00
4. Describe the pressure on the system relating to the Incident:	Pressure did not exceed MAOP
5. Was a Supervisory Control and Data Acquisition (SCADA) based system in place on the pipeline or facility involved in the Incident?	Yes
- If Yes:	
5a. Was it operating at the time of the Incident?	Yes
5b. Was it fully functional at the time of the Incident?	Yes
5c. Did SCADA-based information (such as alarm(s), alert(s), event (s), and/or volume or pack calculations) assist with the detection of the Incident?	No
5d. Did SCADA-based information (such as alarm(s), alert(s), event (s), and/or volume calculations) assist with the confirmation of the Incident?	No
6. How was the Incident initially identified for the Operator?	Notification from Emergency Responder
- If Other, Specify:	
6a. If "Controller", "Local Operating Personnel, including contractors", "Air Patrol", or "Ground Patrol by Operator or its contractor" is selected in Question 6, specify.	
7. Was an investigation initiated into whether or not the controller(s) or control room issues were the cause of or a contributing factor to the Incident?	No, the Operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to: (provide an explanation for why the Operator did not investigate)
- If "No, the operator did not find that an investigation of the controller(s) actions or control room issues was necessary due to:" (provide an explanation for why the operator did not investigate)	The gas leak ignited, but did not create any control room AOC events that warranted actions. The valves used to isolate the leak were manual valves. The actions taken by the control room was as the direction of GM&R to adjust pressures during the event that operated below MAOP.
- If Yes, Specify investigation result(s) (select all that apply):	
- Investigation reviewed work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue	
- Investigation did NOT review work schedule rotations, continuous hours of service (while working for the Operator), and other factors associated with fatigue	
- Provide an explanation for why not:	
- Investigation identified no control room issues	
- Investigation identified no controller issues	
- Investigation identified incorrect controller action or controller error	
- Investigation identified that fatigue may have affected the controller (s) involved or impacted the involved controller(s) response	
- Investigation identified incorrect procedures	
- Investigation identified incorrect control room equipment operation	

- Investigation identified maintenance activities that affected control room operations, procedures, and/or controller response	
- Investigation identified areas other than those above	
Describe:	
PART F - DRUG & ALCOHOL TESTING INFORMATION	
1. As a result of this Incident, were any Operator employees tested under the post-accident drug and alcohol testing requirements of DOT's Drug & Alcohol Testing regulations?	No
- If Yes:	
1a. How many were tested:	
1b. How many failed:	
2. As a result of this Incident, were any Operator contractor employees tested under the post-accident drug and alcohol testing requirements of DOT's Drug & Alcohol Testing regulations?	No
- If Yes:	
2a. How many were tested:	
2b. How many failed:	
PART G - CAUSE INFORMATION	
<i>Select only one box from PART G in shaded column on left representing the Apparent Cause of the Incident, and answer the questions on the right. Describe secondary, contributing, or root causes of the Incident in the narrative (PART H).</i>	
Apparent Cause:	G8 - Other Incident Cause
G1 - Corrosion Failure – only one sub-cause can be picked from shaded left-hand column	
Corrosion Failure Sub-Cause:	
- If External Corrosion:	
1. Results of visual examination:	
- If Other, Specify:	
2. Type of corrosion:	
- Galvanic	
- Atmospheric	
- Stray Current	
- Microbiological	
- Selective Seam	
- Other	
- If Other, Describe:	
3. The type(s) of corrosion selected in Question 2 is based on the following:	
- Field examination	
- Determined by metallurgical analysis	
- Other	
- If Other, Describe:	
4. Was the failed item buried under the ground?	
- If Yes:	
4a. Was failed item considered to be under cathodic protection at the time of the incident?	
- If Yes, Year protection started:	
4b. Was shielding, tenting, or disbonding of coating evident at the point of the incident?	
4c. Has one or more Cathodic Protection Survey been conducted at the point of the incident?	
If "Yes, CP Annual Survey" – Most recent year conducted:	
If "Yes, Close Interval Survey" – Most recent year conducted:	
If "Yes, Other CP Survey" – Most recent year conducted:	
- If No:	
4d. Was the failed item externally coated or painted?	
5. Was there observable damage to the coating or paint in the vicinity of the corrosion?	
6. Pipeline coating type, if steel pipe is involved:	
- If Other, Describe:	
- If Internal Corrosion:	
7. Results of visual examination:	
- If Other, Describe:	
8. Cause of corrosion (select all that apply):	
- Corrosive Commodity	

- Water drop-out/Acid	
- Microbiological	
- Erosion	
- Other	
- If Other, Specify:	
9. The cause(s) of corrosion selected in Question 8 is based on the following: <i>(select all that apply)</i> :	
- Field examination	
- Determined by metallurgical analysis	
- Other	
- If Other, Describe:	
10. Location of corrosion <i>(select all that apply)</i> :	
- Low point in pipe	
- Elbow	
- Drop-out	
- Other	
- If Other, Describe:	
11. Was the gas/fluid treated with corrosion inhibitor or biocides?	
12. Were any liquids found in the distribution system where the Incident occurred?	
Complete the following if any Corrosion Failure sub-cause is selected AND the "Part of system involved in incident" (from PART C, Question 2) is Main, Service, or Service Riser.	
13. Date of the most recent Leak Survey conducted	
14. Has one or more pressure test been conducted since original construction at the point of the Incident?	
- If Yes:	
Most recent year tested:	
Test pressure:	
G2 – Natural Force Damage – only one sub-cause can be picked from shaded left-handed column	
Natural Force Damage – Sub-Cause:	
- If Earth Movement, NOT due to Heavy Rains/Floods:	
1. Specify:	
- If Other, Specify:	
- If Heavy Rains/Floods:	
2. Specify:	
- If Other, Specify:	
- If Lightning:	
3. Specify:	
- If Temperature:	
4. Specify:	
- If Other, Specify:	
- If Other Natural Force Damage:	
5. Describe:	
Complete the following if any Natural Force Damage sub-cause is selected.	
6. Were the natural forces causing the Incident generated in conjunction with an extreme weather event?	
6.a If Yes, specify <i>(select all that apply)</i> :	
- Hurricane	
- Tropical Storm	
- Tornado	
- Other	
- If Other, Specify:	
G3 – Excavation Damage – only one sub-cause can be picked from shaded left-hand column	
Excavation Damage – Sub-Cause:	
- If Previous Damage due to Excavation Activity: Complete the following ONLY IF the "Part of system involved in Incident" (from Part C, Question 2) is Main, Service, or Service Riser.	
1. Date of the most recent Leak Survey conducted	
2. Has one or more pressure test been conducted since original construction at the point of the Incident?	
- If Yes:	
Most recent year tested:	
Test pressure:	

Complete the following if Excavation Damage by Third Party is selected.	
3. Did the operator get prior notification of the excavation activity?	
3a. If Yes, Notification received from: <i>(select all that apply)</i> :	
- One-Call System	
- Excavator	
- Contractor	
- Landowner	
Complete the following mandatory CGA-DIRT Program questions if any Excavation Damage sub-cause is selected.	
4. Do you want PHMSA to upload the following information to CGA-DIRT (www.cga-dirt.com)?	
5. Right-of-Way where event occurred <i>(select all that apply)</i> :	
- Public	
- If Public, Specify:	
- Private	
- If Private, Specify:	
- Pipeline Property/Easement	
- Power/Transmission Line	
- Railroad	
- Dedicated Public Utility Easement	
- Federal Land	
- Data not collected	
- Unknown/Other	
6. Type of excavator :	
7. Type of excavation equipment :	
8. Type of work performed :	
9. Was the One-Call Center notified?	
9a. If Yes, specify ticket number:	
9b. If this is a State where more than a single One-Call Center exists, list the name of the One-Call Center notified:	
10. Type of Locator:	
11. Were facility locate marks visible in the area of excavation?	
12. Were facilities marked correctly?	
13. Did the damage cause an interruption in service?	
13a. If Yes, specify duration of the interruption:	
14. Description of the CGA-DIRT Root Cause <i>(select only the one predominant first level CGA-DIRT Root Cause and then, where available as a choice, the one predominant second level CGA-DIRT Root Cause as well)</i> :	
- Root Cause Description:	
- If One-Call Notification Practices Not Sufficient, specify:	
- If Locating Practices Not Sufficient, specify:	
- If Excavation Practices Not Sufficient, specify:	
- If Other/None of the Above, explain:	
G4 - Other Outside Force Damage - only one sub-cause can be selected from the shaded left-hand column	
Other Outside Force Damage – Sub-Cause:	
- If Damage by Car, Truck, or Other Motorized Vehicle/Equipment NOT Engaged in Excavation:	
1. Vehicle/Equipment operated by:	
- If Damage by Boats, Barges, Drilling Rigs, or Other Maritime Equipment or Vessels Set Adrift or Which Have Otherwise Lost Their Mooring:	
2. Select one or more of the following IF an extreme weather event was a factor:	
- Hurricane	
- Tropical Storm	
- Tornado	
- Heavy Rains/Flood	
- Other	
- If Other, Specify:	
- If Previous Mechanical Damage NOT Related to Excavation: Complete the following ONLY IF the "Part of system involved in Incident" (from Part C, Question 2) is Main, Service, or Service Riser.	
3. Date of the most recent Leak Survey conducted:	
4. Has one or more pressure test been conducted since original construction at the point of the Incident?	
- If Yes:	
Most recent year tested:	
Test pressure (psig):	
- If Intentional Damage:	

5. Specify:	
- If Other, Specify:	
- If Other Outside Force Damage:	
6. Describe:	
G5 - Pipe, Weld, or Joint Failure - only one sub-cause can be selected from the shaded left-hand column	
Pipe, Weld or Joint Failure – Sub-Cause:	
- If Body of Pipe:	
1. Specify:	
- If Other, Describe:	
- If Butt Weld:	
2. Specify:	
- If Other, Describe:	
- If Fillet Weld:	
3. Specify:	
- If Other, Describe:	
- If Pipe Seam:	
4. Specify:	
- If Other, Describe:	
- If Mechanical Fitting:	
5. Specify the mechanical fitting involved:	
- If Other, Describe:	
6. Specify the type of mechanical fitting:	
- If Other, Describe:	
7. Manufacturer:	
8. Year manufactured:	
9. Year Installed:	
10. Other attributes:	
11. Specify the two materials being joined:	
11a. First material being joined:	
- If Other, Specify:	
11b. If Plastic, specify:	
- If Other Plastic, specify:	
11c. Second material being joined:	
- If Other, Specify:	
11d. If Plastic, specify:	
- If Other Plastic, Specify:	
12. If used on plastic pipe, did the fitting – as designed by the manufacturer – include restraint?	
12a. If Yes, specify:	
- If Compression Fitting:	
13. Fitting type:	
14. Manufacturer:	
15. Year manufactured:	
16. Year installed:	
17. Other attributes:	
18. Specify the two materials being joined:	
18a. First material being joined:	
- If Other, specify:	
18b. If Plastic, specify:	
- If Other Plastic, specify:	
18c. Second material being joined:	
If Other, specify:	
18d. If Plastic, specify:	
- Other Plastic, specify:	
- If Fusion Joint:	
19. Specify:	
- If Other, Specify:	
20. Year installed:	
21. Other attributes:	
22. Specify the two materials being joined:	
22a. First material being joined:	
- If Other, Specify:	
22b. Second material being joined:	

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Summary: Staff Report of Investigation electronically filed by Mr. Thomas E Stikeleather on behalf of PUCO Staff.