THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Multiple Orphan Well Sites
Seneca County
Hopewell, Liberty, and Pleasant Townships

PROJECT DESCRIPTION

FEDERAL FUNDED PROJECT:

Note: This project will be FEDERALLY FUNDED. Contractors/subcontractors shall comply with additional requirements related to this project being federally funded.

The Seneca 5F project shall include the following wells:

Well Name	API Number	County	Township	GPS Latitude	GPS Longitude
B. Bryenton 1	34-147-6-1101-00-00	Seneca	Pleasant	41.188406	-83.169030
B. Bryenton 2	34-147-6-0915-00-00	Seneca	Pleasant	41.185410	-83.172432
Bosler 1	34-147-6-1097-00-00	Seneca	Hopewell	41.163439	-83.198214
Bosler 1 Water Well	N/A	Seneca	Hopewell	41.163754	-83.199264
Burks 1	34-147-6-0805-00-00	Seneca	Liberty	41.180174	-83.188874
Saul Milo 2	34-147-6-1038-00-00	Seneca	Liberty	41.178958	-83.188880
Carrigan John 1	34-147-6-1100-00-00	Seneca	Pleasant	41.183746	-83.184425
Eugene Smith 1	34-147-6-0829-00-00	Seneca	Liberty	41.185296	-83.194210
W. Haugh 1	34-147-6-1194-00-00	Seneca	Pleasant	41.182875	-83.177123
Hay Tineke 1	34-147-6-1190-00-00	Seneca	Liberty	41.214192	-83.254874
Kleinfelter Farms 2	34-147-6-1197-00-00	Seneca	Liberty	41.182015	-83.283407
Lynch 1	34-147-6-1170-00-00	Seneca	Liberty	41.206090	-83.245596
Saul Milo 1	34-147-6-1037-00-00	Seneca	Liberty	41.181999	-83.190549
Zeis 1	34-147-6-1171-00-00	Seneca	Liberty	41.188882	-83.194220
Zeis 2	34-147-6-1172-00-00	Seneca	Liberty	41.189840	-83.191552

ACCESS ENTRANCE: B. Bryenton 1 and B. Bryenton 2

GPS Location: 41.188493, -83.168364

ACCESS ENTRANCE: Bosler 1 & Bosler 1 Water Well

GPS Location: 41.163886, -83.189019

ACCESS ENTRANCE: Burks 1

GPS Location: 41.180360, -83.188036

ACCESS ENTRANCE: Saul Milo 2

GPS Location: 41.178929, -83.188135

ACCESS ENTRANCE: Carrigan John 1

GPS Location: 41.182083, -83.184157

ACCESS ENTRANCE: Eugene Smith 1

GPS Location: 41.185833, -83.197322

ACCESS ENTRANCE: W. Haugh 1

GPS Location: 41.181820, -83.177153

ACCESS ENTRANCE: Hays Tineke 1

GPS Location: 41.214150, -83.254167

ACCESS ENTRANCE: Kleinfelter Farms 2

GPS Location: 41.181245, -83.284244

ACCESS ENTRANCE: Lynch 1

GPS Location: 41.206072, -83.244635

ACCESS ENTRANCE: Saul Milo 1

GPS Location: 41.182132, -83.190695

ACCESS ENTRANCE: Zeis 1 & Zeis 2

GPS Location: 41.189776, -83.197101

PROJECT SCOPE OF WORK:

This project includes the development of the well locations, plugging the orphan wells, removal of flow lines and production equipment, and site restoration.

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GENERAL SCOPE OF WORK

The Contractor, the Contractor's agents, representatives, and subcontractors shall perform this Plugging Project in accordance with Ohio Revised Code 1509, Ohio Administrative Code Chap. 1501:9-11 and 1501:9-12, the Agreement, and in accordance with the following documents that are attached hereto and made a part hereof:

1. Project Description;
2. General Scope of Work;
3. Davis-Bacon Wage Requirements;
4. General Conditions;
5. General Specifications;
6. Sequence of Work;
7. Well Description;
8. Plugging Plan;
9. Detailed Specifications;
10. Appendix I – Ohio One-Call;
11. Appendix II – Well Records;
12. Appendix III – Entrance Permits;
13. Quantity Sheet;
14. & Drawing Plan Set.

Subject to the Contractor's compliance with this Scope of Work, Contractor is solely responsible for and has control over all plugging and reclamation construction means, methods, manners, techniques, sequences, and procedures, for safety precautions and programs in connection with the Plugging Project, and for coordinating all portions of the Plugging Project.

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DAVIS-BACON WAGE REQUIREMENTS

PART 1: PAYMENT OF PREVAILING WAGES

1.1 The Contractor/Subcontractor shall pay the prevailing wage rates of the Project locality, as determined by the U.S. Secretary of Labor, to laborers and mechanics performing Work on the Project.

1.2 The Contractor/Subcontractor shall comply with the provisions, duties, obligations, and is subject to the remedies and penalties of 40 U.S.C. parts 3141-3144, 3146 3147; 42 U.S.C. part 3212 The Davis- Bacon Act; and 40 U.S.C. parts 3701-3708 The Contract Work Hours and Safety Standards Act.

1.3 The Contractor/Subcontractor shall submit all payroll reports in compliance with the requirements of Section 1.2 for all employees.

1.4 By executing a Contract, the Contractor/Subcontractor certifies that it based its Bid upon the prevailing rates of wages as ascertained by the U.S. Secretary of Labor.

1.5 The Contractor/Subcontractor may access the U.S. Secretary of Labor at its website, **https://sam.gov/content/wage-determinations**, to obtain the current wage rates. A copy of the current wage rates is included herein.

PART 2: PAYROLL SCHEDULE

2.1 Within 10 days of the date of the Notice to Proceed, the Contractor/Subcontractor shall provide the Contracting Authority's Prevailing Wage Coordinator a schedule of dates during the term of the Contract on which wages shall be paid to employees for the Project.

PART 3: PAYROLL REPORTS

3.1 The Contractor/Subcontractor shall submit payroll reports with each Payment Request, which reports shall be certified by the Contractor/Subcontractor that the payroll is correct and complete, and that the wage rates shown are not less than those required by the Contract.

3.1.1 Each payroll report shall indicate the period covered and include a list containing the name, address, and last four digits of the social security number of each employee of the Contractor/Subcontractor paid for the Work.

3.1.2 Each payroll report shall list the number of hours each employee worked each day on the Project during the reporting period, the total hours each day on the Project per job classification, the total hours each week on the Project, the employee's hourly rate of pay,

job classification, hourly rate of fringe benefits, all deductions from wages and net pay (actual wages paid).

3.1.3 Each payroll report shall list each fringe benefit and state if it is paid as cash to the employee or to a named plan.

3.1.4 The Contractor/Subcontractor shall submit apprenticeship agreements for all apprentices utilized on the Project.

3.2 The Contractor/Subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the Contract for all laborers and mechanics, including guards and watchmen, working on the Contract.

3.3 The records to be maintained under this paragraph shall be made available by the Contractor/Subcontractor for inspection, copying, or transcription by authorized representatives of the Contracting Authority and the U.S. Department of Labor, and the Contractor or Subcontractor will permit such representatives to interview employees during working hours on the job.

3.4 Payroll report submittal shall be made via software designated by the Division.

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GENERAL CONDITIONS

PART 1: OHIO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS

This Seneca 5F Project (Project) references the Ohio Department of Transportation (ODOT) Construction and Material Specifications (ODOT CMS). Any reference to these specifications is to ODOT's most current version of the specifications. The ODOT CMS can be found at https://www.dot.state.oh.us/Divisions/ConstructionMgt/OnlineDocs/Pages/2023-Online-Spec-Book.aspx

PART 2: PRE-SITE MEETING

The Contractor or a Contractor's representative must attend the pre-site meeting. A contractor representative may only be a representative for one DAS pre-qualified contractor on a project.

Failure to attend the pre-site meeting is grounds for the Division to reject the Contractor's Offer. A Contractor or Contractor's representative must be present for the entire pre-site meeting to be considered in attendance.

The Ohio Department of Natural Resources, Division of Oil & Gas Resources Management (Division) intends to begin the pre-site meeting on time. At the meeting, the Division will circulate and collect attendance sign-in forms to all contractors or contractors' representatives present. Only those contractors or contractors' representatives in attendance throughout the pre-site meeting, including the discussion of the Scope of Work, will be considered present for the pre-site meeting.

PART 3: MODIFICATIONS TO THE SCOPE OF WORK PRIOR TO AWARD

The Scope of Work may only be altered by written modification. The Division may issue an Amendment to the Scope of Work and will provide notification of the Amendment by email to all Department of Administrative Services (DAS) pre-qualified Contractors. Each Contractor is responsible for logging into OhioBuys and submitting an offer that is responsive to all Amendments issued. All offers submitted prior to an Amendment being issued shall become null/void and not be considered in the opening. All Amendments shall become part of the Scope of Work.

Any interpretation or clarification of the Scope of Work made by any person other than the Division, or in any manner other than a written Amendment, is not binding and the Contractor cannot rely upon any such interpretation or clarification.

The Contractor cannot, at any time after the award of the Scope of Work, be compensated for any issue with the Scope of Work, including alleging insufficient data, incomplete, ambiguous, conflicting, or erroneous language, or incorrectly assumed conditions regarding the nature or character of the work.

PART 4: PERMIT AND INSPECTION REQUIREMENTS

The Division will obtain and pay for all building and U.S. Army Corps of Engineers permits unless otherwise specified in the Detailed Specifications. However, the Contractor shall determine and include in the Contractor's Offer Sheet the costs required to obtain and pay for all other requirements by the applicable governmental agencies; including but not limited to, all certificates of inspection/operation, guarantees, licenses, etc. required to complete the work as described within this document. The contractor shall follow all applicable laws and permit requirements, the Division will not be held responsible for damages that result from violation of laws or permits.

PART 5: INSTRUCTIONS FOR PREPARING AN OFFER

A Contractor's offer must be submitted online through **OhioBuys**. (https://procure.ohio.gov/bidders-and-suppliers). **All offers submitted prior to an Amendment being issued shall automatically become null/void and not be considered in the opening.**

Offers shall include labor, equipment, and material cost plus a proportionate share of the Contractor's overhead costs, other indirect costs, and anticipated profit. The offer must be mathematically and materially balanced. A "mathematically unbalanced offer" is an offer containing lump sum or unit price items that do not include reasonable labor, equipment, and material costs plus a reasonable proportionate share of the Contractor's overhead costs, other indirect costs, and anticipated profit. A mathematically unbalanced offer typically contains token prices (i.e. $1 prices), front loadings, or prices with large variations from the engineer's estimate. A "materially unbalanced offer" is a mathematically unbalanced offer that will not result in the lowest ultimate cost to the Division.

During the Division's initial review of offers, if the Division finds an offer may be mathematically unbalanced, the Contractor may be required to submit proof of the mathematically unbalanced line items' proposed cost within 24 hours after notification from the Division. At a minimum, a Contractor may be required to submit copies of all material/rental quotes, intended labor costs (hours/rates), and contract agreements with subcontractors to support their offer. If the Contractor fails to submit the required proof, the Contractor's offer shall be deemed withdrawn from consideration. The Division shall evaluate the documentation and may verify quotes with vendors. After a review of the documentation, the Division will reject any offer it determines is mathematically and materially unbalanced.

A DAS pre-qualified Contractor shall not submit offers on a project in which the contractor has committed as a subcontractor, who will perform more that 50 percent of the project as a subcontractor, to another DAS pre-qualified Contractor submitting an offer on the same project. Any DAS pre-qualified Contractor who submits an offer and will not self-perform more than 50 percent of the work shall self-report to the Project Engineer in writing prior to award the project's subcontractors and each subcontractor's percent award of the project. Any DAS pre-qualified Contractor who submits an offer shall supply upon request to the Project Engineer the project's subcontractors and each subcontractor's percent award of the project. Substitution of subcontractors after award shall be per the DAS contract. A DAS pre-qualified Contractor who will perform more than 50 percent of the work on a project as a subcontractor will have this project considered when reviewing whether the Contractor is behind schedule for awarding work. Additionally, when the Division is considering if a Contractor is behind schedule, all Orphan Well Program work and deadlines will be considered (Construction Manager at Risk subconsultant work and Landowner Pass-through Payment Program).

A Contractor shall maintain an up-to-date schedule on file with the Division that sets forth dates by which the Contractor will plug each well that the Division previously awarded to the Contractor. A Contractor

shall update their work schedule as often as necessary to maintain a current schedule with the Division. To be awarded new contracts, the Contractor must be able to complete all previously awarded work within the due dates set in each contract with the Division. Upon request, a Contractor shall provide an up-to-date schedule to the Division that reflects when all awarded work will be completed.

Please note that a Contractor's offer must be submitted online through OhioBuys.

1. Refer to the Scope of Work posted in OhioBuys with this solicitation.
2. **Only Contractors who are pre-qualified to offer this service on an existing State Contract beginning with CSP900-922 (DAS Index No. MAC110) may respond to this solicitation.** All CSP900922 Contract Terms & Conditions apply to this solicitation. No additional terms and conditions will be accepted. The Division will reject Offers from any Contractor that is not pre-qualified.
3. Completion of the grid is required and will be considered the response for evaluation. No outside or additional documentation will be considered.
4. Fixed prices will be automatically added to Contractor's proposals when shown. Contractors are not to enter pricing for fixed price items.
5. Confirm that your offer has been successfully imported into OhioBuys for all items before submitting. Incomplete offers and/or attachments will not be evaluated.
6. The most recent offer submitted in OhioBuys will be the offer that is evaluated, all prior offers submitted in the same solicitation will not be evaluated.
7. **The Contractor or Contractor's representative must attend the pre-site meeting.** Failure to attend the site meeting is grounds for the Division to reject the Contractor's Offer.

PART 6: DIVISION'S OFFER SELECTION

Except when the Division rejects an offer, the Division will select the lowest offer submitted to the Division. The Division may reject an offer if any one of the following applies to the Contractor's offer:

- Is not submitted online through **OhioBuys**;
- Fixed reference prices and/or any other imported information is incorrectly and/or not imported into **OhioBuys**;
- Is conditional;
- Is a mathematically unbalanced offer and a materially unbalanced offer;
- Is behind schedule on other projects with the Division;
- Is not able to schedule this project within the contract due dates.
- Is committed to perform more than 50 percent of the work on this project as a subcontractor to another DAS pre-qualified Contractor on the project;
- Is a prime Contractor who has more than 50 percent of the work committed by a subcontractor who also submitted an offer as prime Contractor; or
- Failed to identify prior to award project subcontractors and their percent award upon request.

PART 7: WITHDRAW OF OFFERS

At any time prior to the opening of the Offers, a Contractor may submit a written request to the Division, at the location where the Offers are received, to withdraw its Offer. The request to withdraw the Offer must be signed by the person who executed the Offer.

PART 8: EFFECTIVE DATE AND TERM

The effective date of this Project is the date of the Letter to Proceed that is sent to the Contractor. The Contractor must start work at the project site within eleven (11) months of the end of the contract and the Contractor shall continue diligently working toward the completion of the project once work has commenced. The Project must be completed by **July 28, 2028**. If the Project terminates on July 28, 2028 and the Project is not completed, the Scope of Work may be renewed on the same terms if the Division sends written notice to the Contractor.

Floodplain – No work within a floodplain shall be permitted from November 15th through June 30th.

Tree clearing shall be completed between October 1st to March 31st.

Areas of tall grasses should be avoided between April 15th to July 31st, unless a ground nesting bird survey is performed by the Division.

If necessary, winter work shall be required to complete this Project within the required term.

Due to current contract constraints, no work shall begin at the B. Bryenton #1 and #2 locations without written approval from the Division. The Contractor will not be held responsible for delays in starting this work.

Failure to complete work by the contract due dates may result in the suspension or termination of the contract and may result in the Division pursuing the Suspension and Termination and/or the Contract Remedies sections defined in the MAC 110 contract.

PART 9: TERMINATION AT WILL

The Division may terminate this Scope of Work without cause. Any payment due to the Contractor at the time of termination by the Division shall be paid to the Contractor on a pro rata basis.

PART 10: RELATIONSHIP BETWEEN COMPONENTS OF THE SCOPE OF WORK

This Scope of Work includes drawings that are duplicates of drawings on file with the Division. The Scope of Work documents are complementary. All sections of the Scope of Work are binding. The titles and headings in the Scope of Work are for reference and in no way affect the interpretation of the provisions of the Scope of Work. Further, if any part of this Scope of Work is found to be unenforceable, no such event will affect the enforceability or applicability of any other part of the Scope of Work.

If a conflict between the drawings and the specifications arises, the Contractor must notify the Division. In the event of a conflict of any provision in the Scope of Work the order of priority within the Scope of Work is as follows: Drawings, Detailed Specifications, General Specifications, Plugging Plan, and Sequence of Work.

PART 11: CONTRACTOR'S RESPONSIBILITY FOR SUBCONTRACTORS

The Contractor is responsible for the conduct of its subcontractors and for persons its subcontractors directly or indirectly employ.

PART 12: USE OF DOMESTIC STEEL AND BUY AMERICAN ACT (For Federally Funded Projects only)

For infrastructure projects that utilize federal funds, the contractor and subcontractors shall comply with Executive Order No. 14005 Ensuring the Future Is Made in All of America by All of America's Workers; the Code of Federal Regulations Title 2, Subtitle A, Chapter I, Part 184; U.S.C. 52.225-11 Buy American-Construction Materials under Trade Agreements (Nov 2023) clause; and Buy America Preferences for Infrastructure Projects and the Infrastructure and Jobs Act (Public Law 117-58) Division D, Title IX, Subtitle A, Part I, Buy America Sourcing Requirements. The Contractor and subcontractors are required by law to supply domestically produced iron or steel products, manufactured products, and construction materials such as non-ferrous metals (steel, iron, aluminum), plastics, PVC pipe, glass, fiber optic cable, optical fiber, engineered wood, and lumber products for infrastructure on all projects funded in whole or in part with federal funds. The Infrastructure, Investment, and Jobs Act (Public Law 117-58) Division D, Title IX, Subtitle A, Part I, Buy America Sourcing Requirements exempts cement, cementitious materials, aggregates such as stone, sand, gravel, or aggregate binding agents or additives from these requirements.

PART 13: STANDARDS

If the Division identifies a "standard" by reference to manufacturer and/or model number, all offers will be evaluated to ensure that the identified standard is used. The Division will not consider an offer in which a substitution for the standard is offered. After the Letter to Proceed is issued, the Contractor may submit a written proposal for a substitution of a standard.

PART 14: SUBSTITUTIONS DURING THE PROJECT

After the Letter to Proceed is issued, the Contractor may offer substitutions for the standards set forth in the Scope of Work. The decision to allow substitution is solely within the discretion of the Division, which will consider, among other factors, availability, time of delivery, the aesthetic value of the proposed substitution, general differences in the knowledge of the product, service history, quality, efficiency, performance, and architectural, engineering, inspection, testing and administrative expenses. Any changes to the Offer price and/or Scope or Work must be memorialized by a Field Order or Change Order, as applicable. The savings in cost in allowing any substitutions during the Project will be solely to the benefit of the Division.

PART 15: QUANTITIES OF WORK

15.1 Unit Price Items

For items in the Offer that require a unit price, the quantities listed on the Offer Sheet are an approximation and are to be used only for the comparison of offers. The scheduled quantities may be increased or decreased without invalidating or altering the Offer and will be considered within the Scope of Work.

Payments for unit price items will be made to the Contractor for actual quantities of work performed and materials furnished in accordance with the Scope of Work; however, the Contractor may not exceed the unit quantities shown on the Offer Sheet without prior written approval of the Division through a Field Order. Even if the Contractor determines that additional unit priced quantities (above and beyond the original Offer Sheet quantity) are required to meet plan and/or specification dimensions, the Contractor must not exceed the Offer Sheet quantities without prior written approval of the Division. The Division will not pay for quantities above and beyond the Offer Sheet quantity without prior written approval of the Division.

15.2 Lump Sum Items

For items in the Offer Sheet that require a lump sum price, the Division will not pay for work, materials, or equipment that exceeds the amount provided by the Contractor on the Offer Sheet. The lump sum price on the Offer Sheet must include all work, materials, and equipment necessary to properly complete the Project.

15.3 Additional/Contingency Items

The contingency items set forth in the Offer Sheet are not projected as necessary to complete the Project. Rather, the contingency items will first be used when unforeseen work arises, and the Division determines the contingency item is applicable. To be compensated for contingency items, the Contractor must have a written Field Order from the Division authorizing the contingency item in a specified quantity. Use of contingency items will not require the execution of a Change Order. The Contractor must be prepared to supply all items identified in the contingency specifications for use on this Project.

PART 16: OMISSIONS IN THE SCOPE OF WORK

If the Contractor notices an error or omission in the Scope of Work during performance of the Project, the Contractor shall immediately notify the Division of such omission or error and shall not proceed with the Project until directed by the Division. Any work performed by the Contractor prior to clarification by the Division may not be entitled to compensation.

PART 17: INTERPRETATIONS CONCERNING THE SCOPE OF WORK

During the Project, if a question arises on the Scope of Work, the labor or materials to be supplied, or costs potentially exceeding the Contractor's Offer, such questions must, prior to the work being performed, be submitted to the Division for a determination. A Division determination will be issued in writing and any work performed prior to such a determination will be performed at no cost to the Division. The Division will also begin executing a Change Order, when appropriate.

If the Division receives a written question concerning the Project, the Division will determine if the work must be performed by the Contractor at no increase in price to the Scope of Work. If so, the Division will issue a Field Order setting forth the Division's determination. Each Field Order issued must be signed by the Contractor acknowledging receipt. If the Contractor disagrees with the Division's interpretation in a Field Order, the Contractor may submit a protest by certified mail to the Chief within ten (10) days following the date of issuance of the protested Field Order. However, the Contractor must immediately proceed with the instructions given in the issued Field Order.

If, upon receipt of a written protest of a Field Order, the Division determines that the work referred to in the protest is outside the Scope of Work, the Division will not issue a Field Order and instead will issue a Change Order.

Field Orders, which are interpretations of the requirements of the Scope of Work, may be issued by the Division at any time during the performance of the work. The Contractor, at all times, is required to immediately execute the instructions of all issued Field Orders, which includes acknowledgment and signature of issued Field Order documents.

PART 18: CHANGES IN THE SCOPE OF WORK

18.1 The Division's Right to Require Change Orders

The Division may issue a Change Order directing the Contractor to immediately perform extra work that differs from the Scope of Work. The Contractor shall perform the work as directed. The changes in the work will consist of additions, deletions, or other revisions. When the Contractor performs the work, the Offer amount will be adjusted as described within this Scope of Work.

If the Contractor protests the issuance of the Change Order, any such protest has no bearing on any work requirements arising out of the Change Order in that the Contractor must immediately perform the work required in the Change Order so as not to delay the progress of the work at the Project.

18.2 Unauthorized Work

Only work performed under the Scope of Work or work authorized by a Field Order or a Change Order is eligible for compensation. If the Contractor performs any work or purchases any materials without an approved, applicable Field Order or Change Order, such work performed, and purchases made are within the Scope of Work at no additional cost to the Division.

18.3 Contractor's May Request Change Orders

If the Contractor determines that the Scope of Work does not address conditions at the Project, the Contractor may provide written notice to the Division of the conditions and request a Change Order. No oral communications will be acceptable as justification for a Change Order.

Fishing/milling tools and associated appurtenances submitted as Change Order items shall be at cost. No markup on these items will be accepted by the Division.

18.4 Determining Price of a Proposed Change Order

The following methods will be used to determine the price of a proposed Change Order:

a. If a Change Order involves items not listed on the Offer Sheet, the Contractor must present the Division with labor and/or material price quotes for the proposed Change Order item(s). The Division may request these quotes either in unit prices or as lump sums; or

b. If the work involved in the Change Order is not definable, the Division may request the work be performed on a time and material basis and include a maximum amount to be paid for the work. The method will be based on unit prices for both labor and materials agreed to by the Division prior to the Contractor commencing the work.

18.5 Disputes Regarding Change Order Prices

If the Contractor and the Division cannot agree on the cost of the work for a Change Order, using site-specific information including, but not limited to, Division historic public offer information, the Division will determine and set a fair price for the work and materials that are the subject of the Change Order.

PART 19: PAY ESTIMATES

19.1 General Information

Payments issued to the Contractor as the work progresses are not acceptance of any portion of the work not completed in accordance with the Scope of Work nor do such payments relieve the Contactor of liability with respect to any obligation or any expressed or implied warranties or responsibilities for faulty materials or workmanship.

19.2 Required Review by the Division

Prior to the submittal of each invoice, the Contractor and the Division must meet at the Project site to review the Project progress. The Contractor and the Division's Project Representative must mutually agree on quantity and percentage of work completed for all offer items prior to submittal of each invoice. No invoice will be approved for work that has not been approved by the Division's Project Representative. Field verification of all lump sum quantities and weight slips for all unit price quantities invoiced must be submitted to the Division's Project Representative for review during the meeting.

All Field Orders and/or Change Orders issued prior to an invoice must be signed/acknowledge by the Contractor for the Division to consider an invoice for approval.

The Contractor's payment must be submitted to the division via the Orphan Well Project Management Contractor Portal (https://dnr-ow-prod.powerappsportals.us/). The invoice must include back up documentation. The Division will confirm the invoice is accurate.

For Federally Funded Projects: The Contractor/Subcontractor shall submit payroll reports with each Invoice. Payroll reports shall be completed according to Part 3 of the **Davis-Bacon Requirements** included in the Scope of Work.

Invoices received by the Division containing errors or requesting amounts that cannot be approved will be returned to the Contractor. The Contractor may resubmit an invoice after correcting errors.

19.3 Documents to be Submitted for Payment

With each request for payment the Contractor certifies that:

a. The request for payment is accurate as to materials and the work completed under the terms and conditions of the Scope of Work and any Change Order, as applicable, including full compliance with all labor provisions; and

b. All subcontractors and material suppliers have been paid for the work or materials that are applicable to all previous invoices. As certification, each request for payment, at the Division's request, may need to be accompanied with a properly executed "Waiver of Liens" from all subcontractors and material suppliers to show that all previous payments made by the Division to the Contractor have been applied to fulfill, in full, all of the Contractor's obligations reflected in prior requests for payment.

19.4 Effect of Liens on Invoices

All work, materials, and equipment covered by any request for payment, whether incorporated in the Project or not, will pass to the Division at the time of payment free and clear of all liens, claims, security interests and encumbrances.

If there is evidence of any lien or claim that is chargeable to the Contractor, the Division will withhold all payments due to the Contractor to secure such lien or claim. If there are any previous liens or claims after payments are made to the Contractor, the Contractor may be required to refund to the Division a sum of money equal to the sum of all monies that the Division may be compelled to pay in discharging any lien or claim as a result of the Contractor's default.

PART 20: RETAINAGE FOR FINAL RESTORATION

If the Scope of Work requires revegetation of disturbed area, the Division will retain five percent (5%) of the sum of (1) the Offer amount and (2) all approved Change Orders. The five percent (5%) amount retained shall be released once the Division completes a Final Restoration Inspection and determines that vegetation has reached final stabilization. "Final stabilization" means vegetation established in a uniform perennial vegetative cover and meets all requirements listed in the Detailed Specifications under "Site Restoration". "Final stabilization" also means that no large barren areas exist, and the vegetation is of an equal or better condition than before the project started. The Contractor must remove all temporary erosion and sediment controls once final stabilization is achieved.

PART 21: REDUCED GAS EMISSIONS CREDITS

No one may directly or indirectly use the reduced gas emissions from wells plugged with State of Ohio funds or Infrastructure, Investment and Jobs Act funds, in whole or in part, to monetize, generate, or collect credits to include but not be limited to carbon, methane, or fugitive emissions, or otherwise use the plugging of wells funded with State of Ohio funds or with Infrastructure, Investment and Jobs Act funds to generate income of any type by offsetting their own or another party's gas emissions.

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GENERAL SPECIFICATIONS

Unless there is a specific pay item in the Detailed Specifications, the work defined in the General Specification shall be incorporated into other items of work.

PART 1: HOURS OF WORK

The Contractor, the Contractor's agents, representatives, and subcontractors shall perform plugging projects during the days of Monday through Friday. Work will not be conducted on weekends or state/national holidays except with Division approval or during emergency situations. A workday is defined as eight (8) hours. However, additional hours may be worked with Division approval or during emergency situations.

PART 2: EQUIPMENT

The Contractor equipment shall pass all safety requirements of local, state, and federal agencies. The Ohio Department of Natural Resources, Division of Oil and Gas Resources Management reserves the right to inspect the equipment prior to the Recommendation of Award.

Unless otherwise noted, all equipment and materials required to complete the work described shall be provided by the Contractor.

PART 3: NOTIFICATIONS

3.1 Seven Working Day Notice

The Contractor shall log into the Orphan Well Project Management System (OWPMS) no less than seven (7) working days prior to commencement of work. Notice will be sent using the system and may be sent for each well that work will be started on at that time. This notice will allow the appropriate Division staff time to mark the approved access route and any sensitive areas that need to be left undisturbed.

The Contractor, the Contractor's agents, representatives, and sub-contractors shall contact each utility company that has utilities that directly affect plugging activities at the well location(s).

3.2 Public 48 Hour Notice

Prior to initiating well plugging operations, the Contractor shall give a minimum of 48-hour notice to the local fire department. Confirmation of this notification shall also be made to the Inspector or the Division Regional Office.

3.3 Emergency Notification

When emergency conditions are encountered, such as a release of hydrogen sulfide gas (H_2S), natural gas, crude oil, condensate, or brine that threatens human health, safety or the environment, as described in Ohio Administrative Code 1501:9-08-02, the Contractor shall notify the local fire department, the Local Emergency Planning Committee (LEPC) and call the 24/7 incident notification number: 1-844-OH-Call1 (1-844-642-2551) within 30 minutes of the occurrence.

3.4 Plugging Completion Notice

No sooner than three business days after emplacing the uppermost plug, the Division will review the well to determine if any additional plugging work shall be required at that time. If additional work is needed, a Field Order will be issued by the Division. The Field Order shall state what must be completed and what, if any, Change Orders shall be required. If additional work is not needed the contractor shall cut the casing as defined in the Plugging Plan and set the plugged well identification as outlined in these **General Specifications** and Ohio Administrative Code 1501-9-11-10.

PART 4: ACCESS AND PRESERVATION OF SITE

All costs for the adequate access to the well site for the plugging equipment shall be included in the Offer. Unless waived, placement of all tanks and equipment shall be subject to Division's approval. If requested by the Division, access roads will be chained or cabled to prevent unauthorized use.

Special attention shall be given to maintaining trees and other vegetation that have scenic value, provide shade, reduce erosion and runoff, or add to the aesthetics of the area. No trees three (3) inches or larger in diameter shall be removed without the Division's permission. Any alterations to the natural topography required to provide ingress and egress to the well site must be approved by the Division before work begins.

PART 5: DAMAGE CAUSED BY CONTRACTOR

All damage caused by the Contractor's negligence in carrying out of this scope of work to any public or private property of any nature whatsoever, including trees, shrubs, and crops, shall be corrected to Division's satisfaction at the expense of the Contractor. If crops are damaged and the Contractor, landowner, or tenant cannot reach a settlement, the County Cooperative Extension Service shall set a fair price for crop damages and the decision shall be final and binding upon all parties. All subsequent payments due the Contractor shall be withheld until the Contractor provides proof of payment of any such claim.

The Contractor shall be responsible for all costs of repairing or replacing any survey monument that is disturbed or destroyed by the Contractor. The Contractor shall utilize a professional surveyor who is licensed and registered by the State of Ohio to perform the re-establishment of said monuments according to the standards set forth by the governing body or law of said monument. For the purpose of this scope of work, the term survey monument shall apply to any property boundary marker, federal, state or county geodetic benchmark, state, or county right of way monument, FEMA benchmarks or flood elevation markers.

PART 6: SAFETY

The following safety protocols shall be completed for each well that is being plugged. The Division, at its discretion, may waive the requirement if all wells in the project are on the same lease\property.

6.1 Public Safety Coordination Meeting

The Contractor shall hold a safety meeting with the local fire department, Division Emergency Operations staff and Inspector, and other applicable contracting staff prior to commencement of plugging activities. The meeting shall review 1) the safety of the public during operations, 2) the safety of workers during operations, 3) emergency notifications of events, 4) site set up and layout, 5) general overview of operations, 6) nearest hospital's address and directions.

6.2 Daily Safety Meetings

The Contractor shall hold a daily safety meeting for all personnel on-site prior to the commencement of work. The Contractor shall provide and maintain a sign in/out sheet for all people on location. The Contractor shall immediately report any accidents and/or safety concerns to the Inspector.

6.3 Operational Standards

The Contractor shall follow the rules established by Occupational Safety and Health Administration (OSHA) Safety and Health Regulations for Construction 29 CFR 1926 and OSHA General Industry 29 CFR 1910 on all onsite project operations.

6.4 Excavation and Trenching Requirements

The Contractor shall follow the notification protocol as specified in Part 3 of the General Specifications before the start of any excavating activities. The Contractor will comply with OSHA Construction Standards for excavation and trenching under 29CFR 1926 Subpart P.

6.5 Hazardous Communications Requirements

The Contractor shall maintain Safety Data Sheets (SDS) for all chemicals stored and/or used on-site. A copy of all SDS will be supplied to the local Fire Department and to the Division.

6.6 Site Security

The Contractor shall provide and install protective barriers/fencing around the work area to prevent unauthorized access. Ingress and Egress access must be maintained at all times.

6.7 Wind Direction Indicator

The Contractor shall install a windsock in an open area of the well location where it is visible to all onsite personnel. It shall be constructed of high visibility material and deployed no less than six (6) feet above grade during the plugging operations.

6.8 Muster and Smoking Areas

The Contractor shall mark and assign a primary and a secondary muster area daily upwind of the well location. These are to be determined based on prevailing wind direction, as indicated by the windsock. The Contractor will post an emergency contact information sheet at each muster site. The Contractor will establish a safe location for a designated smoking area.

6.9 Ignition Sources and Parking Areas

The Contractor shall identify and mark all potential ignition sources within a 50-foot radius of the

well. The Contractor shall mitigate or remove as many ignition sources as possible from the working area. The designated parking area will be outside the 50-foot radius from the well.

6.10 Air Monitoring and Worker Safety

The Contractor shall supply and place a 4-gas monitor at the wellhead. The gas monitor must be calibrated and maintained to monitor Methane (CH_4), Oxygen (O_2), Carbon Monoxide (CO) and Hydrogen Sulfide (H_2S).

Stop work must be followed when any of the levels listed below occur:

- Methane - 1000 parts per million (ppm)/2% Lower Explosive Limit (LEL),
- Oxygen - saturation below 19.5% or above 23%,
- Carbon Monoxide – 50 ppm,
- Hydrogen Sulfide – 10 ppm.

The levels stated above are directly from the Occupational Safety and Health Administration (OSHA) and The National Institute for Occupational Safety and Health (NIOSH) and are standard for air monitoring procedures for safety and work environments. If any of the above levels are alarmed, all personnel will shut down ignition sources and report to the muster area. From the muster area, the Contractor will call 911 for assistance from the local Fire Department.

Division Emergency Operations personnel or the Inspector has the right to stop work if the actions are unsafe or the actions cause or are likely to cause danger to the workers, public, or the environment.

PART 7: MAINTENANCE OF TRAFFIC

The Contractor shall at all times install, maintain, and operate all traffic and traffic control devices in conformance with the requirements of the "Ohio Manual of Uniform Traffic Control Devices for Streets and Highways," hereinafter called The Ohio Manual.

The Contractor shall notify the appropriate public officials and the Division and shall obtain all required permits prior to any lane closure of a public road.

The Contractor shall maintain ingress/egress to all properties associated with the project at all times during the project unless agreed upon in writing by the Division and the landowner.

7.1 STREET CLEANING

The Contractor shall be required to provided street cleaning services in order to remove sediment/debris tracked from the construction site/access drive onto private or public roadways during all phases of the Project.

The Contractor shall work diligently to minimize the amount of sediment tracked onto roadway. The Contractor will conduct all construction and ingress/egress operations in conformance with Part 9: Erosion and Sediment Control of the General Specifications. Use of other erosion and sediment control measures to prevent sediment runoff during period of rains and non-working hours.

The Contractor will provide street cleaning, such as sweeping or vacuuming, at locations around the project ingress/egress where plugging operations has caused tracking of sediments onto roadways. Mechanical sweepers shall be vacuum-type or regenerative sweepers. Sweeping speed

will not exceed 6 mph. A minimum of two passes shall be made. Streets must be cleaned daily before the end of the workday. If excess sediments have been tracked onto the streets or if rain is expected, the Division may direct the Contractor to clean the street as often as necessary to keep the street clean at all times.

The Contractor shall be required to remove and dispose of sediments properly. Removal of collected sediment deposits will be disposed on the project site. If sediment deposits cannot be disposed of on-site, an alternative location will be approved by the Division. No offsite disposal will be in or adjacent to a stream and/or floodplain. Sediments to be placed at the project site will be in conjunction with site restoration and should be spread, compacted, covered, and stabilized in accordance with the site restoration line item. **Sediment will not be allowed to flush into stream or drainage way and washing or flushing of sediments into adjacent drainage systems is prohibited.** If sediment has been contaminated, it will be disposed of in accordance with the contaminated material disposal line item.

The cost of this work shall be included in Contract bid prices for items of which this work is a component.

PART 8: PROTECTION OF EXISTING UTILITIES

Before construction begins, the Contractor, acting as an agent for the Division, shall locate all utilities in the vicinity of the work. The Contractor shall be responsible for complying with the regulations pertaining to utilities in the State of Ohio. The Contractor shall assume all risk for all utilities located in the vicinity of the work, whether above or below the surface of the ground. The Contractor shall also be responsible for all damages and assume all expense for direct or indirect injury, caused by his work, to any of the utilities, or any person or property by reason of injury to them, whether such utilities are or are not shown on the drawings, once they have been uncovered by the work. **In compliance with Ohio Revised Code 3781, two working days before digging the Contractor shall contact the Ohio Utility Protection Service (OUPS) and Oil and Gas Producers Underground Protection Service (OGPUPS) using the Ohio811 one call service by calling 811 or by using the i-dig login found on the internet at OHIO811.org. The Contractor shall maintain a current OUPS/OGPUPS call ticket during the entire project.**

PART 9: EROSION AND SEDIMENT CONTROL

Temporary erosion control measures are required during the course of this project. These measures may consist of the installation of straw bale dikes, silt fence, filter socks, inlet protection structures, erosion control blankets, energy dissipation, and temporary seeding and mulching.

Once construction begins, the Contractor shall be solely responsible for all construction related to the control of off-site sedimentation. This sediment shall be removed by the Contractor at the Division's direction.

9.1 Temporary Measures

Temporary erosion control structures shown on the Drawing Plan Set, identified with these specifications, or as directed by the Division shall be placed as soon as construction starts and must be maintained during the course of the project. At the direction of the Division, the Contractor shall remove the temporary controls when they are no longer needed or when required permanent control measures have been completed.

If sediment escapes the site, accumulations must be removed at a frequency to minimize further negative effects, and whenever feasible, prior to the next rain event.

The contractor shall be responsible for revegetation of all areas in which sediment escapes the site. These areas shall be included in the final stabilization of the project and shall be at the cost of the contractor.

9.2 Maximum Exposed Areas

Stabilization measures must be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, and except as provided below, must be initiated no more than seven (7) days after the construction activity in that portion of the site has temporarily or permanently ceased.

Where the initiation of stabilization measures by the seventh day after construction activity temporarily or permanently ceased is precluded by snow cover, or frozen ground conditions, stabilization measures must be initiated as soon as practicable.

Where construction activity on a portion of the site is temporarily ceased, and earth-disturbing activities will be resumed within fourteen (14) days, temporary stabilization measures do not have to be initiated on that portion of site.

The Division may limit the area of excavation, borrow and embankment operations in progress commensurate with the Contractor's capability and progress in keeping the finished grading, re-soiling, mulching, seeding and other such permanent control measures current in accordance with the acceptable schedule.

9.3 Winterization

When an incomplete project will be left exposed throughout the winter season, the Contractor shall furnish the Division a plan indicating the control measures to be installed and maintained until the next construction season.

If the winter period falls within the anticipated construction period of the Scope of Work and as indicated in the original approved construction schedule, control structures will be paid for by the Division at the unit prices in the Offer.

If the project is not substantially completed prior to the winter season due to the failure of the Contractor to meet the completion date, these necessary control structures will be installed and maintained by the Contractor at his expense and these items will not be paid for under the terms of the Scope of Work, except those that are permanent facilities to be left in place in accordance with the Drawing Plans Set and Specifications.

9.4 Other Controls

Off-site vehicle tracking of sediments and the generation of dust must be minimized, and any waste must be properly disposed.

9.5 Inspections

The Division Inspector shall conduct inspections to ensure that the control practices are functional and to evaluate whether the erosion and sediment control measures are adequate and properly implemented.

9.6 Enforcement

The Division shall take appropriate steps to ensure that sedimentation does not leave the project site. The Division shall require the removal of off-site sediment by the Contractor if such sediment resulted from the Contractor's negligence to place and maintain sediment control structures in accordance with the Drawing Plan Set and Specifications.

PART 10: SPILL PREVENTION AND REMEDIATION

The Contractor is expected to prevent and, if necessary, contain and remediate any spills that may occur at the site due to plugging activities. All stationary plugging equipment on well locations that are in tiled farm fields, residential neighborhoods, parks, or in/adjacent to areas determined by the Division to be environmentally sensitive, will be staged on an impermeable liner and berm. **The Contractor will have oil absorbent pads and booms available onsite during the plugging operations.**

PART 11: HYDROGEN SULFIDE

If the well that is being plugged is known to produce hydrogen sulfide (H_2S), the following considerations must be observed:

A. The Contractor must provide the appropriate equipment, on-site, to properly detect and abate any H_2S emitted from the well. If the Contractor does not have the appropriate equipment to properly detect and abate any H_2S emitted from the well, they will utilize an appropriate party to provide these services.

B. The Contractor will shut-in the well each night after the plugging operations have ceased, unless otherwise instructed by the Division. The Contractor will continue this process until the plugging operations are complete and there are no further signs of a gas release.

PART 12: CASING

The Division reserves the right to require the removal and or placement of any tubing, casing, or liners deemed necessary to properly plug and abandon the well. If a string of casing that would normally be pulled cannot be removed, the Contractor may be required to log the well and perforate the casing, in accordance with the Division's instructions, so that cement can be circulated behind the casing.

The Contractor shall run an operational string of casing when caving of the well prevents clean out to depth required in the scope of work.

PART 13: DEFINITIONS

13.1 Clean Out

The process in which the contractor would use a smaller diameter tubular to circulate out material from inside a larger diameter wellbore/tubular. This shall include removing mud-laden fluid, prepared clay, bridge plugs (e.g. brush and stone plugs, surface debris), and wellbore cave-in (e.g. swelling shales, red clays). Equipment needed includes, but is not limited to, tubing, a mud pump, a power swivel/power sub or a tubing swivel, a drill bit with the jets removed and/or a notched collar. *A positive displacement mud pump with the capacity of pumping at least 3 barrels per minute and able to overcome hydrostatic head is required for this process.*

13.2 Drill Out

The process in which the contractor would use a drill string, associated fittings, and a bit to remove an obstruction from inside of the wellbore or casing. This shall include removing cement, grout, wood plugs, or other materials in which a cleanout operation failed to remove. Equipment needed includes, but is not limited to, a mud pump, power swivel/power sub, drill string (including collars and casing or tubing), cross over subs, bit sub, and drill bit. *A positive displacement mud pump with the capacity of pumping at least 3 barrels per minute and able to overcome hydrostatic head is required for this process.*

13.3 Wash Over

A process in which the contractor would use an intermediate size working string of casing, usually equipped with a carbide coated collar on the bottom joint, to run down over the smaller well tubular and clean out the annular space between the well tubulars. This process would include utilizing a power swivel or power sub to rotate the working string of casing and a mud pump to circulate fluid down between the working string and the outside of the smaller well tubular to wash out the material in the annular space between the well tubulars. This shall include removing mud-laden fluid, prepared clay, cement, grout, field packers, and surface debris. When needed, a wash over bit shall be attached on the bottom of the larger casing to act as a cutting edge for the material on the backside of the tubular being washed over. *A positive displacement mud pump with the capacity of pumping at least 3 barrels per minute and able to overcome hydrostatic head is required for this process.*

13.4 Milling

The process in which the contractor shall use a drill string and bit to remove a metal obstruction from inside of the wellbore or casing. Equipment needed includes, but is not limited to, a mud pump, power swivel/power sub, drill string (includes collars and casing or tubing), cross over subs, bit sub, and mill. The mill type would depend on the material encountered. *A positive displacement mud pump with the capacity of pumping at least 3 barrels per minute and able to overcome hydrostatic head is required for this process.*

13.5 Fishing

The process in which the contractor shall use a specialized tools or fishing tool to eliminate an obstruction from inside of the wellbore or casing. Equipment needed includes, but is not limited to, a fishing tool(s) and fishing string.

13.6 Bail & Grout

The process the contractor shall use when determined that the wellbore can be bailed of all fluid, and grouted. Equipment needed includes, but is not limited to, tubing, a bailer, and a grout pump. Grout shall be gravity feed to the bottom. This can be done in one application or in stages, depending on the well depth and condition. If the well cannot be bailed completely dry the contractor shall use a siphon string/tremie tube to remove the water from the well during grout application.

PART 14: WELL OBSTRUCTION ASSESSMENT

If an obstruction is encountered in the well bore that prevents the Contractor from reaching total depth, the Contractor will attempt to identify/assess the nature of the obstruction and attempt to remove any obstruction deemed an impediment to the plugging operation. **The Contractor will supply impression blocks as part of their normal rig equipment.**

PART 15: REMOVAL OF AN OBSTRUCTION

The removal of an unknown obstruction that is encountered during the cleanout of a well may require the use of milling and/or fishing tooling and equipment. The Contractor will include the costs for these services on the appropriate line items in the contingency section of this offer unless these costs are part of a planned procedure. The Division will approve a method for the Contractor to remove the well obstruction. The Division will first utilize contingency specifications and line items to define this work. **The Division will not be responsible for milling or fishing charges that are due to Contractor negligence or Contractor equipment failure.**

PART 16: PLUGGED WELL IDENTIFICATION

In compliance with Ohio Administrative Code 1501:9-11-10, a steel plate, a minimum of ¼-inch thick, shall be tack welded on top of all plugged wells. The well's permit number and "ODNR" shall be welded on the plate in numbers/letters as large as practical. Letters shall have a minimum relief of 1/8-inch.

PART 17: TOILET FACILITIES

Where there are no readily accessible public toilet facilities, the Contractor will provide a portable field toilet on the location during plugging operations.

PART 18: COMPLETION, GUARANTEES AND WARRANTIES

Upon completion of the work described in the Project SOW, the Contractor shall request a Final Restoration Inspection be performed by the Division. The Division shall inspect the Project site(s) for completeness and acceptance against the Project SOW, and if the Division determines necessary, develop a list of incomplete and unacceptable work and conditions to be corrected by the Contractor. The Division will reinspect the Project site(s) until the Division determines all work described in the Project SOW is complete and acceptable.

The Contractor warrants (represents) that their work will be conducted in accordance with the standards described in the Project SOW (i.e., the SOW Detailed Drawings and Specifications) and that the Contractor's work be free of defects. Contractor guarantees their work and materials for a Warranty Period of one year, unless otherwise stated as a special provision of the SOW Detailed Specifications. The one-year Warranty Period commences on the date of inspection on the Final Restoration Inspection form that accepted the work.

Should defects develop with the Contractor's work or materials within the Warranty Period, the Contractor shall, upon written notice of the Division, remedy the defects and any associated disturbance at their own expense. If the Contractor, after receiving the Division's notice, does not remedy the defects to the satisfaction of the Division, the Division may proceed against the Contractor as prescribed by the Department of Administrative Services (DAS), Index Number MAC110. All representations, warranties, and guarantees made in the DAS Index Number MAC110 contract and the Project SOW shall survive final payment and termination or completion of this Contract.

SCOPE OF WORK
SENECA 5F PROJECT
Multiple Orphan Well Sites
Seneca County
Hopewell, Liberty, and Pleasant Townships

SEQUENCE OF WORK

General: Performance of all work shall be coordinated with the Division of Oil and Gas Resources Management ("Division") Orphan Well Inspector ("Inspector"). The Sequence of Work shall be repeatable for all the project's wells. The Sequence of Work for the Orphan Well Project shall be as follows:

Phase I:

1) Contact the Ohio Utility Protection Service and the Ohio Oil & Gas Producers Underground Protection Service.

2) Coordinate with the Orphan Well Inspector and the local authorities for the mobilization of equipment over the roads and bridges to the site as applicable.

3) Verify with the Orphan Well Inspector that the pre-construction staking (i.e. Construction Work Limits) has been completed by the Division. **The pre-construction staking must be completed prior to mobilization.**

Phase II:

1) Mobilize all necessary equipment to the site and develop the site access as shown on the **Drawing Plan Set**.

2) Implement site safety and secondary containment as described in the **Detailed Specifications**.

3) Install perimeter sediment controls as required by the Division.

4) Prepare the well for plugging as described in the **Detailed Specifications, "Well Head Control."**

5) Upon successful installation and approval of the wellhead and establishment of well control, the Contractor shall begin to plug the well as described in the **Plugging Plan** and **Detailed Specifications, "Well Preparation & Plugging."**

6) **No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut the casing as defined in the Plugging Plan.**

7) The Contractor shall set the plugged well identification as outlined in the **General Specifications** and Ohio Administrative Code 1501-9-11-10.

Phase III:

1) Within three (3) working days after Division has determined the plugging operations are completed, the Contractor shall remove all well and well plugging-related equipment, fluids, and cuttings from the site. The Contractor shall also excavate and remove all contaminated soils present onsite if present.

2) Within fourteen (14) days after the completion of the plugging operations, the Contractor shall resoil as applicable, final grade, disc, fertilize, seed, and mulch all disturbed areas. **If work cannot be complete due to the season or weather conditions, the site shall be winterized per the General Specifications, Part 9 Erosion and Sediment Control and the site restoration shall be scheduled for completion.**

3) All reclamation shall be finished to an equal or better condition than what existed prior to construction. The Division shall give the final approval for the restoration of the site.

SCOPE OF WORK
SENECA 5F PROJECT
B. Bryenton 1 Orphan Well Site
Seneca County
Pleasant Township

WELL DESCRIPTION

This Well Description is for:

B. Bryenton 1: 34-147-6-1101-00-00, Seneca County, Pleasant Township

Due to current contract constraints, no work shall begin at the B. Bryenton #1 and #2 locations without written approval from the Division. The Contractor will not be held responsible for delays in starting this work.

Background: The B. Bryenton 1 well is located approximately 5.08 miles northeast of the city of Tiffin, Ohio. B. Bryenton 1 is 191 feet west of North State Route 53 on a 80-acre parcel (39147-J37000575000000) which is owned by Barbara A. Bryenton Trustee. The address is 4392 North State Route 53, Tiffin, Ohio 44883.

A Division inspection of the B. Bryenton 1 was conducted on March 5, 2025. At the time of inspection an open, damaged 8.625-inch outside diameter (O.D.) casing and an open, damaged 6-inch O.D. casing located next to a 100-barrel storage tank was found. An area of oil leakage approximately 200 square feet total was located around the well. A strong odor was detected. It was unknown if any oil was being stored in the tank. A Thrasher Group Inspection was conducted on August 21, 2025. The well was located off a grass access road entrance, and it is equipped with 8.625-inch O.D. conductor casing and 6-inch O.D. surface casing capped with a 7-inch casing hooked up to a 250-gallon tote.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for B. Bryenton 1 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,529 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
Glacial Drift	0	26	
Niagarian (*Lockport)	26	351	
Clinton Sandstone	351	444	
Brassfield	444	480	
Queenston	480	1058	
Utica	1058	1427	
Trenton Limestone	1427	1529	
Total Depth	1529		
*Thrasher Comment			

Casing data for B. Bryenton 1 is unavailable. Based on casing data from off-set well card Mildred D. Haugh 1-30 (34-147-2-0210-00-00), which is located approximately 0.53 miles southwest of this well, and field inspection measurements, B. Bryenton 1 has assumed casing depths are as follows:

- 8.625-inch O.D. casing set to 26 feet
- 6-inch O.D. casing set to 579 feet

No plugging records are located for B. Bryenton 1 well.

For the purposes of this Scope of Work the B. Bryenton 1 was drilled to an estimated total depth of 1,529 feet and produced from Trenton Limestone. The well is equipped with an estimated 26 feet of 8.625-inch outer diameter (O.D.) conductor casing and an estimated 579 feet of 6-inch O.D. surface casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 351 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 15 and 40 gallons per minute. Water wells in the area are between 50 and 240 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of B. Bryenton 1.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North State Route 53 to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
B. Bryenton 1 Orphan Well Site
Seneca County
Pleasant Township

PLUGGING PLAN

This Plugging Plan is for:

B. Bryenton 1: 34-147-6-1101-00-00, Seneca County, Pleasant Township

Due to current contract constraints, no work shall begin at the B. Bryenton #1 and #2 locations without written approval from the Division. The Contractor will not be held responsible for delays in starting this work.

For the purposes of this Scope of Work the B. Bryenton 1 was drilled to an estimated total depth of 1,529 feet and produced from Trenton Limestone. The well is equipped with an estimated 26 feet of 8.625-inch outer diameter (O.D.) conductor casing and an estimated 579 feet of 6-inch O.D. surface casing.

The B. Bryenton 1 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor will safely relieve any pressure that may be built up on this well prior to commencing plugging operations. The Contractor will give the property owner and local fire authorities a minimum of twenty-four (24) hour notice prior to blowing down the well.

2) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

3) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 26 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

4) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

5) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

6) The Contractor will clean out the well to its estimated total depth (TD) of 1,529 feet or a depth approved

by the Division. The Contractor shall run their tools into the existing 6-inch diameter casing, to ensure it is open and verify the wells total depth, which records show is estimated at 1,529 feet. The Contractor shall supply a minimum of 140 barrels of freshwater on location for use as circulation fluid.

7) Once total depth has been reached, the Contractor will load the hole with freshwater and run a Gamma Ray/CCL/Temperature/Bond & Caliper log to verify hole diameter, casing integrity, and the cement and bond on the surface casing annulus. All cement plug depths and thicknesses will be based on log data.

8) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

9) The Contractor will set a 500-foot bottom plug from 1,529 feet to 1,029 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will set a 500-foot plug from 929 feet to 429 feet, to cover the bottom of the 6-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

11) The Contractor will then set a cement plug from 429 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

12) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
B. Bryenton 2 Orphan Well Site
Seneca County
Pleasant Township

WELL DESCRIPTION

This Well Description is for:

B. Bryenton 2: 34-147-6-0915-00-00, Seneca County, Pleasant Township

Due to current contract constraints, no work shall begin at the B. Bryenton #1 and #2 locations without written approval from the Division. The Contractor will not be held responsible for delays in starting this work.

Background: The B. Bryenton 2 well is located approximately 4.90 miles north of the city of Tiffin, Ohio. B. Bryenton 2 is 1,084 feet west of North State Route 53 on a 80-acre parcel (39147-J37000575000000) which is owned by Barbara A. Bryenton Trustee. The address is 4392 North State Route 53, Tiffin, Ohio 44883.

A Division inspection of the B. Bryenton 2 was conducted on March 6, 2025. At the time of inspection an open 8.625-inch outside diameter (O.D.) casing on a casing hanger at ground level and a 6.625- inch O.D. casing with a 6.625-to-2-inch swage attached to the top was found. The swage was open to the atmosphere, and an odor was coming from the well. There was no leakage detected. No cement was visible at the surface in the annular space of the casings. A Thrasher Group inspection was conducted on August 21, 2025. The well is equipped with damaged 8.625-inch conductor casing, 6.625-inch surface casing with swage open to the atmosphere, and a casing hangar. There is a slight odor of gas.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for B. Bryenton 2 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,531 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
Glacial Drift	0	28	
Niagarian (*Lockport)	28	353	
Clinton Sandstone	353	446	
Brassfield	446	482	
Queenston	482	1060	
Utica	1060	1429	
Trenton Limestone	1429	1531	
Total Depth	1531		
*Thrasher Comment			

Casing data for B. Bryenton 2 is unavailable. Based on casing data from off-set well card Mildred D. Hough 1-30 (34-147-2-0210-00-00), which is located approximately 0.31 miles southwest of this well, and field inspection measurements, B. Bryenton 2 has assumed casing depths are as follows:

- 8.625-inch O.D. casing set to 28 feet
- 6.625-inch O.D. casing set to 581 feet

No plugging records are located for B. Bryenton 2 well.

For the purposes of this Scope of Work the B. Bryenton 2 was drilled to an estimated total depth of 1,531 feet and produced from Trenton Limestone. The well is equipped with an estimated 28 feet of 8.625-inch outer diameter (O.D.) conductor casing an estimated 581 feet of 6-inch O.D. surface casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 353 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 15 and 40 gallons per minute. Water wells in the area are between 60 and 240 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of B. Bryenton 2.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North State Route 53 to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
B. Bryenton 2 Orphan Well Site
Seneca County
Pleasant Township

PLUGGING PLAN

This Plugging Plan is for:

B. Bryenton 2: 34-147-6-0915-00-00, Seneca County, Pleasant Township

Due to current contract constraints, no work shall begin at the B. Bryenton #1 and #2 locations without written approval from the Division. The Contractor will not be held responsible for delays in starting this work.

For the purposes of this Scope of Work the B. Bryenton 2 was drilled to an estimated total depth of 1,531 feet and produced from Trenton Limestone. The well is equipped with an estimated 28 feet of 8.625-inch outer diameter (O.D.) conductor casing an estimated 581 feet of 6-inch O.D. surface casing.

The B. Bryenton 2 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

2) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 28 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

3) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

4) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

5) The Contractor will clean out the well to its estimated total depth (TD) of 1,531 feet or a depth approved by the Division. The Contractor shall run their tools into the existing 6-inch diameter casing, to ensure it is open and verify the wells total depth, which records show is estimated at 1,531 feet. The Contractor shall supply a minimum of 140 barrels of freshwater on location for use as circulation fluid.

6) Once total depth has been reached, the Contractor will load the hole with freshwater and run a Gamma Ray/CCL/Temperature/Bond & Caliper log to verify hole diameter, casing integrity, and the cement and bond on the surface casing annulus. All cement plug depths and thicknesses will be based on log data.

7) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

8) The Contractor will set a 500-foot bottom plug from 1,531 feet to 1,031 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

9) The Contractor will set a 500-foot plug from 931 feet to 431 feet, to cover the bottom of the 6-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will then set a cement plug from 431 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

11) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Bosler 1 Orphan Well Site
Seneca County
Hopewell Township

WELL DESCRIPTION

This Well Description is for:

Bosler 1: 34-147-6-1097-00-00, Seneca County, Hopewell Township

Background: The Bosler 1 well is located approximately 3.54 miles northwest of the city of Tiffin, Ohio. Bosler 1 is 2,536 feet west of North Township Road 71 (Clinton-Hopewell Road) in a wooded area on a 77.49-acre parcel (39147-F22000348440000) which is owned by Ronald L. and Phyllis A. Bosler. The address is North Township Road 135.

A Division inspection of the Bosler 1 was conducted on February 28, 2025. The well is equipped with a capped 6.625-inch outside diameter (O.D.) casing with no odor or leakage. There is a 7-inch O.D. casing open to the atmosphere found next to the well cut off at ground level packed with debris approximately 5 feet below ground surface. A Thrasher Group inspection of Bosler 1 was conducted on August 21, 2025. At the time of inspection Bosler 1 was located in a wooded area where the well is equipped with a capped 6.625-inch O.D. casing with a shutoff valve. There is a water well with a 7-inch casing at ground level open to the atmosphere with debris down in the well approximately 5 feet below ground surface.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Bosler 1 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,637 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
Break	0	384	*Base of Lockport
Clinton Limestone	384	430	
Red Rock	430	515	
Blue Shale	515	590	
Brown Shale	590	1148	
*Utica Shale	1148	1473	
Trenton Limestone	1473	1637	
Total Depth	1637		
*Thrasher Comment			

Casing data for Bosler 1 is unavailable. Based on casing data from off-set well card Ewald 1 (34-147-2-0016-00-00, which is located approximately 0.14 miles northeast of this well, and field inspection measurements, Bosler 1 has assumed casing depths are as follows:

- 6.625-inch O.D. casing set to 430 feet

No plugging records are located for Bosler 1 well.

For the purposes of this Scope of Work the Bosler 1 was drilled to an estimated total depth of 1,637 feet and produced from Trenton Limestone. The well is equipped with an estimated 430 feet of 6.625-inch outer diameter (O.D.) surface casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 384 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 13 and 60 gallons per minute. Water wells in the area are between 82 and 125 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Bosler 1.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North Township Road 71 (Clinton-Hopewell Road) to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Bosler 1 Orphan Well Site
Seneca County
Hopewell Township

PLUGGING PLAN

This Plugging Plan is for:

Bosler 1: 34-147-6-1097-00-00, Seneca County, Hopewell Township

For the purposes of this Scope of Work the Bosler 1 was drilled to an estimated total depth of 1,637 feet and produced from Trenton Limestone. The well is equipped with an estimated 430 feet of 6.625-inch outer diameter (O.D.) surface casing.

The Bosler 1 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor will safely relieve any pressure that may be built up on this well prior to commencing plugging operations. The Contractor will give the property owner and local fire authorities a minimum of twenty-four (24) hour notice prior to blowing down the well.

2) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

3) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 40 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

4) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

5) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

6) The Contractor will clean out the well to its estimated total depth (TD) of 1,637 feet or a depth approved by the Division. The Contractor shall run their tools into the existing 6.625-inch diameter casing, to ensure it is open and verify the wells total depth, which records show is estimated at 1,637 feet. The Contractor shall supply a minimum of 140 barrels of freshwater on location for use as circulation fluid.

7) Once total depth has been reached, the Contractor will load the hole with freshwater and run a Gamma

Ray/CCL/Temperature/Bond & Caliper log to verify hole diameter, casing integrity, and the cement and bond on the surface casing annulus. All cement plug depths and thicknesses will be based on log data.

8) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

9) The Contractor will set a 500-foot bottom plug from 1,637 feet to 1,137 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will set a 500-foot plug from 780 feet to 280 feet, to cover the bottom of the 6.625-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

11) The Contractor will then set a cement plug from 280 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

12) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
Bosler 1 Water Well Orphan Well Site
Seneca County
Hopewell Township

WELL DESCRIPTION

This Well Description is for:

Bosler 1 Water Well: API Number Not Applicable (N/A), Seneca County, Hopewell Township

Background: The Bosler 1 Water Well is located approximately 3.54 miles northwest of the city of Tiffin, Ohio. Bosler 1 water well is 2,536 feet west of North Township Road 71 (Clinton-Hopewell Road) in a wooded area on a 77.49-acre parcel (39147-F22000348440000) which is owned by Ronald L. and Phyllis A.Bosler. The address is North Township Road 135.

A Division inspection of the Bosler 1 Water Well was conducted on February 28, 2025. The well equipped with a 7-inch O.D. casing open to the atmosphere cut off at ground level packed with debris approximately 5 feet below ground surface. A Thrasher Group inspection of Bosler 1 Water Well was conducted on August 21, 2025. At the time of inspection Bosler 1 Water Well was located in a wooded area where the well is equipped with a 7-inch casing at ground level open to the atmosphere with debris down in the well approximately 5 feet below ground surface.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Note: All work (excluding cementing) associated with plugging this water well shall be considered incidental to line item "Well Preparation & Plugging (Bosler 1)." Required cement and pumping charges shall be paid for under their respective line items.

Division well records for Bosler 1 Water Well were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 384 feet in the Lockport Formation. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
Limestone (*Lockport)	0	384	
Total Depth	384		

Casing data for Bosler 1 Water Well is unavailable. Based on casing data from off-set well card Ewald 1 (34-147-2-0016-00-00, which is located approximately 0.14 miles northeast of this well, and field inspection measurements, Bosler 1 water well has assumed casing depths are as follows:

- 7-inch O.D. casing set to 384 feet

No plugging records are located for Bosler 1 Water Well.

For the purposes of this Scope of Work the Bosler 1 Water Well was drilled to an estimated total depth of 384 feet into the Lockport Formation. The well is equipped with an estimated 384 feet of 7-inch outer diameter (O.D.) surface casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 384 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 13 and 60 gallons per minute. Water wells in the area are between 82 and 125 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Bosler 1 Water Well.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North Township Road 71 (Clinton-Hopewell Road) to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

SCOPE OF WORK
SENECA 5F PROJECT
Bosler 1 Water Well Orphan Well Site
Seneca County
Hopewell Township

PLUGGING PLAN

This Plugging Plan is for:

Bosler 1 Water Well: API Number Not Applicable (N/A), Seneca County, Hopewell Township

For the purposes of this Scope of Work the Bosler 1 Water Well was drilled to an estimated total depth of 384 feet into the Lockport Formation. The well is equipped with an estimated 384 feet of 7-inch outer diameter (O.D.) surface casing.

The Bosler Water Well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

1) The Contractor will clean out the well to approximately 384 feet or a depth approved by the Division.

2) The Contractor will then set a cement plug from approved depth to within 36-inches of ground level, wait on cement a minimum of eight (8) hours, then check the cement level and top off with additional cement if necessary.

3) The Contractor shall cut the casing to a depth of 36-inches below ground level and tack weld a steel plate on the top of the casing that is inscribed with WW (water well).

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Burks 1 Orphan Well Site
Seneca County
Liberty Township

WELL DESCRIPTION

This Well Description is for:

Burks 1: 34-147-6-0805-00-00, Seneca County, Liberty Township

Background: The Burks 1 well is located approximately 4.58 miles northwest of the city of Tiffin, Ohio. Burks 1 is 236 feet west of North Township Road 135 in a brush/briar patch area on a 74.14-acre parcel (39147-H29000468200000) which is owned by John F. and Susan M. Burks. The address is West County Road 592, Tiffin, Ohio 44883.

A Division inspection of the Burks 1 was conducted on February 11, 2025. At the time of the inspection an open 8.625-inch outside diameter (O.D.) casing and an open approximately 6-inch O.D. casing was found in a grassy area about 4 inches above ground level. The top of both casings were severely damaged so an exact measurement of the surface casing was unable to be taken. There were debris packed at the surface in the annular space of the casings and the inside of 6-inch casing. A solid rod was visible inside the 6-inch casing. No odor or leakage was detected. A Thrasher Group inspection was conducted on August 21, 2025 found the well in a brush/briar patch area equipped with 8.625-inch O.D. conductor casing open to the atmosphere with an obstruction at the surface of the well. There appears to be a bent corroded sucker rod in the well.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Burks 1 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,587 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
*Drift	0	6	
Little Lime	6	303	*Lockport
Packer Shell	303	398	*Base of Lockport
Clinton	398	481	
Shale	481	1425	
Trenton Lime	1428	1587	
Total Depth	1587		

Casing data for Burks 1 is unavailable. Based on casing data from off-set well card J. Saull 1 (34-147-2-0268-00-00), which is located approximately 0.15 miles southwest of this well, and field inspection measurements, Burks 1 has assumed casing depths are as follows:

- 8.625-inch O.D. casing set to 23 feet
- 6-inch O.D. casing set to 373feet

No plugging records are located for Burks 1 well.

For the purposes of this Scope of Work the Burks 1 was drilled to an estimated total depth of 1,587 feet and produced from Trenton Limestone. The well is equipped with an estimated 23 feet of 8.625-inch outer diameter (O.D.) conductor casing and an estimated 373 feet of 6-inch O.D. surface casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 398 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 13.5 and 15 gallons per minute. Water wells in the area are between 55 and 125 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Burks 1. However, there is a historic quarry area approximately 812 feet east of the area of review.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North Township Road 135 to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Burks 1 Orphan Well Site
Seneca County
Liberty Township

PLUGGING PLAN

This Plugging Plan is for:

Burks 1: 34-147-6-0805-00-00, Seneca County, Liberty Township

For the purposes of this Scope of Work the Burks 1 was drilled to an estimated total depth of 1,587 feet and produced from Trenton Limestone. The well is equipped with an estimated 23 feet of 8.625-inch outer diameter (O.D.) conductor casing and an estimated 373 feet of 6-inch O.D. surface casing.

The Burks 1 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

2) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 23 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

3) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

4) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

5) The Contractor will clean out the well to its estimated total depth (TD) of 1,587 feet or a depth approved by the Division. The Contractor shall run their tools into the existing 6-inch diameter casing, to ensure it is open and verify the wells total depth, which records show is estimated at 1,587 feet. The Contractor shall supply a minimum of 140 barrels of freshwater on location for use as circulation fluid.

6) Once total depth has been reached, the Contractor will load the hole with freshwater and run a Gamma Ray/CCL/Temperature/Bond & Caliper log to verify hole diameter, casing integrity, and the cement and bond on the surface casing annulus. All cement plug depths and thicknesses will be based on log data.

7) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

8) The Contractor will set a 500-foot bottom plug from 1,587 feet to 1,087 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

9) The Contractor will set a 500-foot plug from 723 feet to 223 feet, to cover the bottom of the 6-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will then set a cement plug from 223 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

11) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
Saul Milo 2 Orphan Well Site
Seneca County
Liberty Township

WELL DESCRIPTION

This Well Description is for:

Saul Milo 2: 34-147-6-1038-00-00, Seneca County, Liberty Township

Background: The Saul Milo 2 well is located approximately 4.43 miles northwest of the city of Tiffin, Ohio. Saul Milo 2 is 492 feet west of North Township Road 135 on a 74.14-acre parcel (39147-H29000468200000) which is owned by John F. and Susan M. Burks. The address is West County Road 592, Tiffin, Ohio 44883.

A Division inspection of Saul Milo 2 was conducted on April 17, 2025. At the time of inspection, a casing was found about 3 feet below surface. The casing was full of dirt and rooted so an exact measurement was unable to be taken. There was an old field disc placed on top of the casing for easier locating with a metal detector. There was no odor or leakage observed. A Thrasher Group inspection was conducted on August 21, 2025. At the time of inspection, the well was buried in a crop field, and no measurements were able to be taken.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Saul Milo 2 were located. Drilling logs state that the well completed drilling in January 1929 to a total depth of 1,489 feet in the Trenton Limestone. Formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
*Drift	0	3	
Little Lime	3	294	*Lockport; Gas at 281
Packer Shell	294	389	*Base of Lockport
Clinton	381	472	*Clinton Top Depth likely incorrect on Well Card
Shale	472	1416	
Trenton Limestone	1416	1489	Gas at 1441, 1461, 1483
Total Depth	1489		
*Thrasher Comment			

Casing data for Saul Milo 2 is unavailable. Based on casing data from off-set well card J Saull 1 (34-147-2-0268-00-00), which is located approximately 0.12 miles northwest of this well, and field inspection measurements, Saul Milo 2 has assumed casing depths are as follows:

- 6-inch O.D. casing set to 370 feet

No plugging records are located for Saul Milo 2 well.

For the purposes of this Scope of Work the Saul Milo 2 was drilled to a total depth of 1,489 feet and produced from Trenton Limestone. The well is assumed to be equipped with an estimated 370 feet of 6-inch outer diameter (O.D.) surface casing buried below ground surface.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 389 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 13.5 and 15 gallons per minute. Water wells in the area are between 55 and 125 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Saul Milo 2. However, there is a historic quarry area approximately 948 feet northeast of the area of review.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North Township Road 135 to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Saul Milo 2 Orphan Well Site
Seneca County
Liberty Township

PLUGGING PLAN

This Plugging Plan is for:

Saul Milo 2: 34-147-6-1038-00-00, Seneca County, Liberty Township

For the purposes of this Scope of Work the Saul Milo 2 was drilled to a total depth of 1,489 feet and produced from Trenton Limestone. The well is assumed to be equipped with an estimated 370 feet of 6-inch outer diameter (O.D.) surface casing buried below ground surface.

The Saul Milo 2 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

2) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 20 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

3) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

4) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

5) The Contractor will clean out the material in the wellbore to a depth of 375 feet. The contractor shall then run 5.5-inch O.D. surface casing to 370 feet or a depth approved by the Division. This casing shall be equipped with a float shoe on the bottom joint. The Contractor shall then cement the annulus of this casing to surface with an approved cement, mixed at 15.6 pounds per gallon. The Contractor shall wait on cement for a minimum of eight (8) hours; after which the Contractor will run their tools into the annulus to verify the depth to the top of the cement.

6) The Contractor shall then drill out the float shoe and any residual cement left inside the surface casing and clean out the remaining wellbore to its estimated total depth of 1,489 feet. The Contractor shall provide up to 140 barrels of freshwater on location for use as circulation fluid.

7) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

8) The Contractor will set a 500-foot bottom plug from 1,489 feet to 989 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

9) The Contractor will set a 500-foot plug from 720 feet to 220 feet, to cover the bottom of the 6-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will then set a cement plug from 220 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

11) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
Carrigan John 1 Orphan Well Site
Seneca County
Pleasant Township

WELL DESCRIPTION

This Well Description is for:

Carrigan John 1: 34-147-6-1100-00-00, Seneca County, Pleasant Township

Background: The Carrigan John 1 well is located approximately 4.97 miles north of the city of Tiffin, Ohio. Carrigan John 1 is 601 feet north of West County Route 592 in an open area on a 125.87-acre parcel (39147-J37000595240000) which is owned by John D. Carrigan. The address is 805 West County Route 592, Tiffin, Ohio 44883.

A Division inspection of Carrigan John 1 was conducted on February 13, 2025. At the time of inspection, the well was equipped with an open 8.625-inch outside diameter (O.D.) casing, a 6-inch (O.D.) casing with a gas escapement packer. One port of the casing head has a 2-inch bull plug and the other port is open to the atmosphere with a marker rod sticking out of it. Dirt and debris were packed into the annular space of the two casings. No odor or leakage was detected. A Thrasher Group inspection was conducted on August 21, 2025. The well is equipped with an 8.625-inch O.D. conductor casing and a 6-inch O.D. surface casing with a gas escapement packer located near a crop field.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Carrigan John 1 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,577 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
*Drift	0	6	
Little Lime	6	293	*Lockport
Packer Shell	293	388	*Base of Lockport
Clinton	388	471	
Shale	471	1415	
Trenton Lime	1415	1577	
Total Depth	1577		
*Thrasher Comment			

Casing data for Carrigan John 1is unavailable. Based on casing data from off-set well card J. Saull 1 (34-147-2-0268-00-00), which is located approximately 0.48 miles southwest of this well, and field inspection measurements, Carrigan John 1 has assumed casing depths are as follows:

- 8.625-inch O.D. casing set to 23 feet
- 6-inch O.D. casing set to 363 feet

No plugging records are located for Carrigan John 1 well.

For the purposes of this Scope of Work the Carrigan John 1 was drilled to an estimated total depth of 1,577 feet and produced from Trenton Limestone. The well is equipped with approximately 23 feet of 8.625-inch outer diameter (O.D.) conductor casing, and approximately 363 feet of 6-inch O.D. surface casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 388 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 13.5 and 15 gallons per minute. Water wells in the area are between 60 and 125 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Carrigan John 1.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize West County Route 592 to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Carrigan John 1 Orphan Well Site
Seneca County
Pleasant Township

PLUGGING PLAN

This Plugging Plan is for:

Carrigan John 1: 34-147-6-1100-00-00, Seneca County, Pleasant Township

For the purposes of this Scope of Work the Carrigan John 1 was drilled to an estimated total depth of 1,577 feet and produced from Trenton Limestone. The well is equipped with approximately 23 feet of 8.625-inch outer diameter (O.D.) conductor casing, and approximately 363 feet of 6-inch O.D. surface casing.

The Carrigan John 1 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

2) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 23 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

3) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

4) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

5) The Contractor will clean out the well to its estimated total depth (TD) of 1,577 feet or a depth approved by the Division. The Contractor shall run their tools into the existing 6-inch diameter casing, to ensure it is open and verify the wells total depth, which records show is estimated at 1,577 feet. The Contractor shall supply a minimum of 140 barrels of freshwater on location for use as circulation fluid.

6) Once total depth has been reached, the Contractor will load the hole with freshwater and run a Gamma Ray/CCL/Temperature/Bond & Caliper log to verify hole diameter, casing integrity, and the cement and bond on the surface casing annulus. All cement plug depths and thicknesses will be based on log data.

7) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

8) The Contractor will set a 500-foot bottom plug from 1,577 feet to 1,077 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

9) The Contractor will set a 500-foot plug from 713 feet to 213 feet, to cover the bottom of the 6-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will then set a cement plug from 213 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

11) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
Eugene Smith 1 Orphan Well Site
Seneca County
Liberty Township

WELL DESCRIPTION

This Well Description is for:

Eugene Smith 1: 34-147-6-0829-00-00, Seneca County, Liberty Township

Background: The Eugene Smith 1 well is located approximately 4.50 miles northwest of the city of Tiffin, Ohio. Eugene Smith 1 is 864 feet east of North Township Road 71 (North Liberty Road) in an open area on a 9.53-acre parcel (39147-H29000468120201) which is owned by Eugene E. Smith. The address is 4277 North Township Road 71 (North Liberty Road), Tiffin, Ohio 44883.

A Division inspection of the Eugene Smith 1 was conducted on February 19, 2025. At the time of inspection an open 12-inch outside diameter (O.D.) polyvinyl chloride (PVC) pipe was found placed over a leaking conductor casing next to Wolf Creek. There was bubbling fluid about 3 feet down in the PVC pipe. An area approximately 10 square feet in total size with white sulfur smelling water was found between the PVC pipe and the creek. The PVC pipe was placed in 2019 by Ben Harpster following the landowner complaint of the corroded leaking casing into the creek. A Thrasher Group inspection of Eugene Smith 1 was conducted on August 21, 2025. At the time of inspection Eugene Smith 1 was in located in an open field along Wolf Creek. The well is equipped with a 12-inch O.D. PVC casing placed over the leaking 8.625-inch O.D. surface casing. The well is actively leaking sulfur smelling water into Wolf Creek. Eugene Smith 1 is located within the 100-year floodplain.

The offset drilling logs do not state H2S was found in this well. However, this well is actively leaking sulfur water into Wolf Creek which suggests this well is actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Eugene Smith 1 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,559 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
*Drift	0	6	
Little Lime	6	275	*Lockport
Packer Shell	275	370	*Base of Lockport
Clinton	370	453	
Shale	453	1397	
Trenton Lime	1397	1559	
Total Depth	1559		
*Thrasher Comment			

Casing data for Eugene Smith 1 is unavailable. Based on casing data from off-set well card J. Saull 1 (34-147-2-0268-00-00), which is located approximately 0.34 miles southeast of this well, and field inspection measurements, Eugene Smith 1 has assumed casing depths are as follows:

- 8.625-inch O.D. casing set to 345 feet

No plugging records are located for Eugene Smith 1 well.

For the purposes of this Scope of Work Eugene Smith 1 was drilled to an estimated total depth of 1,559 feet and produced from Trenton Limestone. The well is equipped with approximately 345 feet of 8.625-inch O.D. surface casing. At the time of inspection an open 12-inch outside diameter O.D. polyvinyl chloride (PVC) pipe was found placed over the 8.625-inch O.D. casing due to a leak in the casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 370 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 10 and 13.5 gallons per minute. Water wells in the area are between 65 and 125 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Eugene Smith 1. Eugene Smith 1 does fall within the 100-year flood plain.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North Township Road 71 (North Liberty Road) to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Eugene Smith 1 Orphan Well Site
Seneca County
Liberty Township

PLUGGING PLAN

This Plugging Plan is for:

Eugene Smith 1: 34-147-6-0829-00-00, Seneca County, Liberty Township

For the purposes of this Scope of Work Eugene Smith 1 was drilled to an estimated total depth of 1,559 feet and produced from Trenton Limestone. The well is equipped with approximately 345 feet of 8.625-inch O.D. surface casing. At the time of inspection an open 12-inch outside diameter O.D. polyvinyl chloride (PVC) pipe was found placed over the 8.625-inch O.D. casing due to a leak in the casing.

The Eugene Smith 1 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

2) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 20 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

3) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

4) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

5) The Contractor will clean out the material in the wellbore to a depth of 425 feet. The contractor shall then run 5.5-inch O.D. surface casing to 420 feet or a depth approved by the Division. This casing shall be equipped with a float shoe on the bottom joint. The Contractor shall then cement the annulus of this casing to surface with an approved cement, mixed at 15.6 pounds per gallon. The Contractor shall wait on cement for a minimum of eight (8) hours; after which the Contractor will run their tools into the annulus to verify the depth to the top of the cement.

6) The Contractor shall then drill out the float shoe and any residual cement left inside the surface casing and clean out the remaining wellbore to its estimated total depth of 1,559 feet. The Contractor shall provide up to 140 barrels of freshwater on location for use as circulation fluid.

7) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

8) The Contractor will set a 500-foot bottom plug from 1,559 feet to 1,059 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

9) The Contractor will set a 500-foot plug from 770 feet to 270 feet, to cover the bottom of the 5.5-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will then set a cement plug from 270 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

11) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
W. Haugh 1 Orphan Well Site
Seneca County
Pleasant Township

WELL DESCRIPTION

This Well Description is for:

W. Haugh 1: 34-147-6-1194-00-00, Seneca County, Pleasant Township

Background: The W. Haugh 1 well is located approximately 4.65 miles north of the city of Tiffin, Ohio. W. Haugh 1 is 387 feet north of West County Road 592 on a 36.13-acre parcel (39147-J37000585120000) which is owned by Haugh Farms, LLC. The address is West County Road 592, Tiffin, Ohio 44883.

A Division inspection of the W. Haugh 1 was conducted on March 1, 2023. The well consists of an 8-inch outer diameter (O.D.) drive pipe with 6-inch O.D. casing. It appears someone tried to cement the top of the 8-inch casing. No sign of leakage and no odor observed. A Thrasher Group inspection was conducted on August 21, 2025. The well is equipped with 8-inch O.D. conductor casing, 6-inch O.D. surface casing cemented in, and a gas escapement packer.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for W. Haugh 1 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,534 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
Glacial Drift	0	31	
Niagarian (*Lockport)	31	356	
Clinton Sandstone	356	449	
Brassfield	449	485	
Queenston	485	1063	
Utica	1063	1432	
Trenton Limestone	1432	1534	
Total Depth	1534		
*Thrasher Comment			

Casing data for W. Haugh 1 is unavailable. Based on casing data from off-set well card Mildred D. Haugh (34-147-2-0210-00-00), which is located approximately 0.05 miles east of this well, and field inspection measurements, W. Haugh 1 has assumed casing depths are as follows:

- 8-inch O.D. casing set to 31 feet
- 6-inch O.D. casing set to 584 feet

No plugging records are located for W. Haugh 1 well.

For the purposes of this Scope of Work the W. Haugh 1 was drilled to an estimated total depth of 1,534 feet and produced from the Trenton Limestone. The well is equipped with an estimated 30 feet of 8-inch outer diameter (O.D.) conductor casing, and an estimated 584 feet of 6-inch O.D. surface casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 356 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 15 and 40 gallons per minute. Water wells in the area are between 60 and 240 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of W. Haugh 1.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize West County Road 592 to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
W. Haugh 1 Orphan Well Site
Seneca County
Pleasant Township

PLUGGING PLAN

This Plugging Plan is for:

W. Haugh 1: 34-147-6-1194-00-00, Seneca County, Pleasant Township

For the purposes of this Scope of Work the W. Haugh 1 was drilled to an estimated total depth of 1,534 feet and produced from the Trenton Limestone. The well is equipped with an estimated 30 feet of 8-inch outer diameter (O.D.) conductor casing, and an estimated 584 feet of 6-inch O.D. surface casing.

The W. Haugh 1 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor will safely relieve any pressure that may be built up on this well prior to commencing plugging operations. The Contractor will give the property owner and local fire authorities a minimum of twenty-four (24) hour notice prior to blowing down the well.

2) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

3) The Contractor shall install 10.75 bedrock, which is estimated to be at a depth of 31 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

4) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

5) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

6) The Contractor will clean out the well to its estimated total depth (TD) of 1,534 feet or a depth approved by the Division. The Contractor shall run their tools into the existing 6-inch diameter casing, to ensure it is open and verify the wells total depth, which records show is estimated at 1,534 feet. The Contractor shall supply a minimum of 140 barrels of freshwater on location for use as circulation fluid.

7) Once total depth has been reached, the Contractor will load the hole with freshwater and run a Gamma

Ray/CCL/Temperature/Bond & Caliper log to verify hole diameter, casing integrity, and the cement and bond on the surface casing annulus. All cement plug depths and thicknesses will be based on log data.

8) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

9) The Contractor will set a 500-foot bottom plug from 1,534 feet to 1,034 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will set a 500-foot plug from 934 feet to 434 feet, to cover the bottom of the 6-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

11) The Contractor will then set a cement plug from 434 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

12) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
Hays Tineke 1 Orphan Well Site
Seneca County
Liberty Township

WELL DESCRIPTION

This Well Description is for:

Hays Tineke 1: 34-147-6-1190-00-00, Seneca County, Liberty Township

Background: The Hays Tineke 1 well is located approximately 2.32 miles southwest of the city of Bettsville, Ohio. Hays Tineke 1 is 196 feet west of North Township Road 69 located in a residential yard between two residences on a 1.5-acre parcel (39147-H26000434040100) which is owned by Tineke Hays. The address is 6244 North Township Road 69, Fostoria, OH 44830.

A Division inspection of the Hays Tineke 1 was conducted on March 26, 2025. At the time of the inspection the well is equipped with an 8.625-inch outside diameter O.D. casing packed with debris at ground level located in the yard between two residential homes. The well is located in a source water protection area. A Thrasher Group inspection was conducted on August 21, 2025. At the time of inspection, the well was equipped with 8.625-inch O.D. conductor casing open to the atmosphere with an obstruction approximately 2 feet below ground surface.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Hays Tineke 1 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,515 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
*Drift	0	28.5	
Big Lime (*Lockport)	28.5	380	
Break	380	429.5	
Clinton Sandstone	429.5	517	Gas at 445 feet and 483 feet – 15,000
Red Medina	517	1095	
Brown Shale	1095	1385	
Trenton Limestone	1385	1515	Show of oil and gas at 1475 feet
Total Depth	1515		
*Thrasher Comment			

Casing data for Hays Tineke 1 is unavailable. Based on casing data from off-set well card O. Nighswander (34-147-6-0995-00-00), which is located approximately 2.06 miles east of this well, and field inspection measurements, Hays Tineke 1 has assumed casing depths are as follows:

- 8.625-inch O.D. casing set to 29 feet

No plugging records are located for Hays Tineke 1 well.

For the purposes of this Scope of Work the Hays Tineke 1 was drilled to an estimated total depth of 1,515 feet and produced from Trenton Limestone. The well is equipped with an estimated 29 feet 8.625-inch outer diameter (O.D.) conductor casing with an obstruction approximately 2 feet below ground surface.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 380 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is approximately 50 gallons per minute. Water wells in the area are between 60 and 337 feet in depth. The work zone falls within three drinking water source protection areas. These protection areas are The Front Nine (OH7437212) Noncommunity System, Bettsville Village (OH7400112) Community System, and Fremont City (OH7200311) Community System. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Hays Tineke 1.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North Township Road 69 to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

SCOPE OF WORK
SENECA 5F PROJECT
Hays Tineke 1 Orphan Well Site
Seneca County
Liberty Township

PLUGGING PLAN

This Plugging Plan is for:

Hays Tineke 1: 34-147-6-1190-00-00, Seneca County, Liberty Township

For the purposes of this Scope of Work the Hays Tineke 1 was drilled to an estimated total depth of 1,515 feet and produced from Trenton Limestone. The well is equipped with an estimated 29 feet 8.625-inch outer diameter (O.D.) conductor casing with an obstruction approximately 2 feet below ground surface.

The Hays Tineke 1 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

2) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 29 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

3) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

4) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

5) The Contractor will clean out the hole to a depth of 440 feet or a depth approved by the Division. The Contractor will then run 5.5-inch OD surface casing to 430 feet, or a depth approved by the Division. The casing will be equipped with a float shoe on the bottom joint. The Contractor will then cement the annulus of this casing to surface using an approved cement, mixed at 15.6 pounds per gallon. The Contractor shall wait on the cement for a minimum of eight (8) hours; after which the Contractor will run their tools into the annulus to verify the depth to the top of the cement.

6) The Contractor shall then drill out the float shoe and any residual cement left inside the surface casing and clean out the remaining wellbore to its estimated total depth of 1,515 feet. The Contractor shall provide up to 140 barrels of freshwater on location for use as circulation fluid.

7) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

8) The Contractor will set a 500-foot bottom plug from 1,515 feet to 1,015 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

9) The Contractor will set a 500-foot plug from 780 feet to 280 feet, to cover the Clinton Formation and the bottom of the 5.5-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will then set a cement plug from 280 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

11) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
Kleinfelter Farms 2 Orphan Well Site
Seneca County
Liberty Township

WELL DESCRIPTION

This Well Description is for:

Kleinfelter Farms 2: 34-147-6-1197-00-00, Seneca County, Liberty Township

Background: The Kleinfelter Farms 2 well is located approximately 6.77 miles northeast of the city of Fostoria, Ohio. Kleinfelter Farms 2 is 290 feet north of West County Road 592 on a 36.38-acre parcel (39147-H28000455480101) which is owned by Kleinfelter Farms, LLC. The address is North State Route 635, Fostoria, OH 44830.

A Division inspection of the Kleinfelter Farms 2 was conducted on April 4, 2025. At the time of inspection an open 8.625-inch outside diameter (O.D.) casing and a 6-inch O.D. casing with a swage to a 2.375-inch T was found. There was a valve in the closed position with an open off piece of flow line on one port of the T and the other port was capped. There was no cement visible at surface in the annulus space of the casings but there was dirt packed in the space at the surface. A slight odor but no leakage was observed. A Thrasher Group Inspection was conducted on August 21, 2025. The well is equipped with an 8.625-inch O.D. casing and a 6-inch O.D. casing with a swage to a 2.375-inch T. There was a slight odor of gas.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Kleinfelter Farms 2 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,519 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
Glacial Drift	0	7	
Niagara Lime (*Lockport)	7	349	
Gumbo (*Packer Shell)	349	369	*Base of Lockport
White Clinton	369	409	
Medina	409	459	
Queenston	459	501	
Red Rock	501	559	
Utica Shale	559	1343	
Trenton Limestone	1343	1519	
Total Depth	1519		
*Thrasher Comment			

Casing data for Kleinfelter Farms 2 is unavailable. Based on casing data from off-set well card Richard & Coletta Schumm 1-A (34-147-2-0315-00-00), which is located approximately 0.12 miles south of this well, and field inspection measurements, Kleinfelter Farms 2 has assumed casing depths are as follows:

- 8.625-inch O.D. casing set to 59 feet
- 6-inch O.D. casing set to 509 feet

No plugging records are located for Kleinfelter Farms 2 well.

For the purposes of this Scope of Work the Kleinfelter Farms 2 was drilled to an estimated total depth of 1,519 feet and produced from the Trenton Limestone. The well is equipped with an estimated 59 feet of 8.625-inch outer diameter (O.D.) conductor casing and an estimated 509 feet of 6-inch O.D. surface casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 369 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is approximately 20 gallons per minute. Water wells in the area are between 48 and 83 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Kleinfelter Farms 2.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize West County Road 592 to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Kleinfelter Farms 2 Orphan Well Site
Seneca County
Liberty Township

PLUGGING PLAN

This Plugging Plan is for:

Kleinfelter Farms 2: 34-147-6-1197-00-00, Seneca County, Liberty Township

For the purposes of this Scope of Work the Kleinfelter Farms 2 was drilled to an estimated total depth of 1,519 feet and produced from the Trenton Limestone. The well is equipped with an estimated 59 feet of 8.625-inch outer diameter (O.D.) conductor casing and an estimated 509 feet of 6-inch O.D. surface casing.

The Kleinfelter Farms 2 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor will safely relieve any pressure that may be built up on this well prior to commencing plugging operations. The Contractor will give the property owner and local fire authorities a minimum of twenty-four (24) hour notice prior to blowing down the well.

2) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

3) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 59 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

4) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

5) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

6) The Contractor will clean out the well to its estimated total depth (TD) of 1,519 feet or a depth approved by the Division. The Contractor shall run their tools into the existing 6-inch diameter casing, to ensure it is open and verify the wells total depth, which records show is estimated at 1,519 feet. The Contractor shall supply a minimum of 140 barrels of freshwater on location for use as circulation fluid.

7) Once total depth has been reached, the Contractor will load the hole with freshwater and run a Gamma Ray/CCL/Temperature/Bond & Caliper log to verify hole diameter, casing integrity, and the cement and bond on the surface casing annulus. All cement plug depths and thicknesses will be based on log data.

8) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

9) The Contractor will set a 500-foot bottom plug from 1,519 feet to 1,019 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will set a 500-foot plug from 859 feet to 359 feet, to cover the bottom of the 6-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

11) The Contractor will then set a cement plug from 359 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

12) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
Lynch 1 Orphan Well Site
Seneca County
Liberty Township

WELL DESCRIPTION

This Well Description is for:

Lynch 1: 34-147-6-1170-00-00, Seneca County, Liberty Township

Background: The Lynch 1 well is located approximately 2.70 miles southwest of the city of Bettsville, Ohio. Lynch 1 is 267 feet west of North County Road 11 in an open field on a 96.99-acre parcel (39147-H26000430960000) which is owned by Timothy R. and Diane K. Lynch. The address is 5614 North County Road 11, Tiffin, Ohio 44883.

A Division inspection of Lynch 1 was conducted on July 6, 2022. At time of inspection, the well was equipped with 6-inch outside diameter (O.D.) casing with no venting or leaking of gas. A Thrasher Group inspection was conducted on August 21, 2025. At the time of inspection, the well was equipped with 8.625-inch O.D. conductor casing with grout at the surface, capped 6-inch O.D. surface casing with a shutoff valve. The well is located in a source water protection area.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Lynch 1 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,512 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
*Drift	0	25.5	
Lime (*Lockport)	25.5	377	
Break	377	426.5	
Clinton Sandstone	426.5	514	Gas at 452 feet and 480 feet – 15,000
Red Medina	514	1092	
Brown Shale	1,092	1382	
Trenton Limestone	1,382	1512	Show of oil and gas at 1472 feet
Total Depth	1512		
*Thrasher Comment			

Casing data for Lynch 1 is unavailable. Based on casing data from off-set well card O. Nighswander (34-147-6-0995-00-00), which is located approximately 1.70 miles northeast of this well, and field inspection measurements, Lynch 1 has assumed casing depths are as follows:

- 8.625-inch O.D. casing set to 26 feet
- 6-inch O.D. casing set to 427 feet

No plugging records are located for Lynch 1 well.

For the purposes of this Scope of Work the Lynch 1 was drilled to an estimated total depth of 1,512 feet and produced from the Trenton Limestone. The well is equipped with an estimated 26 feet of 8.625-inch outer diameter (O.D.) conductor casing and an estimated 427 feet of 6-inch O.D. surface casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 377 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. Sustainable yield for the surrounding water wells was not determined. Water wells in the area are between 50 and 110 feet in depth. The work zone does fall within the drinking water source protection areas. These protection areas are The Front Nine (OH7437212) Noncommunity System, Bettsville Village (OH7400112) Community System, and Fremont City (OH7200311) Community System. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Lynch 1. However, there is a historic quarry area approximately 270 feet southeast of the area of review.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North County Road 11 to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Lynch 1 Orphan Well Site
Seneca County
Liberty Township

PLUGGING PLAN

This Plugging Plan is for:

Lynch 1: 34-147-6-1170-00-00, Seneca County, Liberty Township

For the purposes of this Scope of Work the Lynch 1 was drilled to an estimated total depth of 1,512 feet and produced from the Trenton Limestone. The well is equipped with an estimated 26 feet of 8.625-inch outer diameter (O.D.) conductor casing and an estimated 427 feet of 6-inch O.D. surface casing.

The Lynch 1 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor will safely relieve any pressure that may be built up on this well prior to commencing plugging operations. The Contractor will give the property owner and local fire authorities a minimum of twenty-four (24) hour notice prior to blowing down the well.

2) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

3) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 26 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

4) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

5) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

6) The Contractor will clean out the well to its estimated total depth (TD) of 1,512feet or a depth approved by the Division. The Contractor shall run their tools into the existing 6-inch diameter casing, to ensure it is open and verify the wells total depth, which records show is estimated at 1,512 feet. The Contractor shall supply a minimum of 140 barrels of freshwater on location for use as circulation fluid.

7) Once total depth has been reached, the Contractor will load the hole with freshwater and run a Gamma Ray/CCL/Temperature/Bond & Caliper log to verify hole diameter, casing integrity, and the cement and bond on the surface casing annulus. All cement plug depths and thicknesses will be based on log data.

8) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement with 2% Calcium Chloride, mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

9) The Contractor will set a 500-foot bottom plug from 1,512 feet to 1,012 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will set a 500-foot plug from 777 feet to 277 feet, to cover the bottom of the 6-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

11) The Contractor will then set a cement plug from 277 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

12) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
Saul Milo 1 Orphan Well Site
Seneca County
Liberty Township

WELL DESCRIPTION

This Well Description is for:

Saul Milo 1: 34-147-6-1037-00-00, Seneca County, Liberty Township

Background: The Saul Milo 1 well is located approximately 4.69 miles northwest of the city of Tiffin, Ohio. Saul Milo 1 is 63 feet south of West County Road 592 in an open field with a tree on a 0.74-acre parcel (39147-H29000468200100) which is owned by John F. and Susan M. Burks. The address is West County Road 592, Tiffin, Ohio 44883.

A Division inspection of the Saul Milo 1 was conducted on May 16, 2024. Saul Milo 1 is located in a grass area in the vicinity of 1100 West County Road 592 Tiffin, OH. There is an old shackle line pumpjack with rusted tubing. There is no odor of gas or sign of leakage of oil. Orphan well referral was because of a complaint from landowner. A Thrasher Group Inspection was conducted on August 21, 2025. The well is located is a grass field near an old tree. The well is equipped with 6-inch outside diameter (O.D.) surface casing, 2-inch O.D. tubing, sucker rods, and a pumping unit with shackle line. There is an odor of gas coming from the well.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Saul Milo 1 were located. Drilling logs state that the well completed drilling in October 1928 to a total depth of 1,658 feet in the Trenton Limestone. Formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
*Drift	0	3	
Little Lime	3	292	*Lockport
Packer Shell	292	387	*Base of Lockport
Clinton	387	470	
Shale	470	1409	
Trenton Limestone	1409	1658	Gas at 1454, 1504, 1629
Total Depth	1658		
*Thrasher Comment			

Casing data for Saul Milo 1 is unavailable. Based on casing data from off-set well card J Saull 1 (34-147-2-0268-00-00), which is located approximately 0.10 miles south of this well, and field inspection measurements, Saul Milo 1 has assumed casing depths are as follows:

- 6-inch O.D. casing set to 368 feet
- 2-inch O.D. tubing and rods set to 1,629 feet

No plugging records are located for Saul Milo 1 well.

For the purposes of this Scope of Work the Saul Milo 1 was drilled to a total depth of 1,658 feet and produced from Trenton Limestone. The well is equipped with an estimated 368 feet of 6-inch outer diameter (O.D.) surface casing and an estimated 1,629 feet of 2-inch O.D. tubing and rods.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 387 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 13.5 and 15 gallons per minute. Water wells in the area are between 55 and 125 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Saul Milo 1. However, there is a historic quarry area approximately 1,439 feet southeast of the area of review.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize West County Road 592 to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Saul Milo 1 Orphan Well Site
Seneca County
Liberty Township

PLUGGING PLAN

This Plugging Plan is for:

Saul Milo 1: 34-147-6-1037-00-00, Seneca County, Liberty Township

For the purposes of this Scope of Work the Saul Milo 1 was drilled to a total depth of 1,658 feet and produced from Trenton Limestone. The well is equipped with an estimated 368 feet of 6-inch outer diameter (O.D.) surface casing and an estimated 1,629 feet of 2-inch O.D. tubing and rods.

The Saul Milo 1 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor will safely relieve any pressure that may be built up on this well prior to commencing plugging operations. The Contractor will give the property owner and local fire authorities a minimum of twenty-four (24) hour notice prior to blowing down the well.

2) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

3) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 20 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

4) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

5) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

6) The Contractor will remove the 2-inch OD tubing and rods, and stage them on a bermed liner for further evaluation. The Contractor shall provide an accurate measurement of the amount of tubing retrieved from the wellbore.

7) The Contractor will clean out the well to its estimated total depth (TD) of 1,658 feet or a depth approved

by the Division. The Contractor shall run their tools into the existing 6-inch diameter casing, to ensure it is open and verify the wells total depth, which records show is estimated at 1,658 feet. The Contractor shall supply a minimum of 140 barrels of freshwater on location for use as circulation fluid.

8) Once total depth has been reached, the Contractor will load the hole with freshwater and run a Gamma Ray/CCL/Temperature/Bond & Caliper log to verify hole diameter, casing integrity, and the cement and bond on the surface casing annulus. All cement plug depths and thicknesses will be based on log data.

9) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

10) The Contractor will set a 500-foot bottom plug from 1,658 feet to 1,158 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

11) The Contractor will set a 500-foot plug from 718 feet to 218 feet, to cover the bottom of the 6-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

12) The Contractor will then set a cement plug from 218 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

13) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
Zeis 1 Orphan Well Site
Seneca County
Liberty Township

WELL DESCRIPTION

This Well Description is for:

Zeis 1: 34-147-6-1171-00-00, Seneca County, Liberty Township

Background: The Zeis 1 well is located approximately 4.36 miles southeast of the city of Bettsville, Ohio. Zeis 1 is 810 feet east of North Township Road 71 (North Liberty Road) in a wooded area on an 18.04-acre parcel (39147-H29000468640000) which is owned by F. Robert and Margaret L. Zeis. The address is North Township Road 71, Tiffin, Ohio 44883.

A Division inspection of Zeis 1 was conducted on February 19, 2025. At time of inspection a 10 square foot area of white sulfur water was found in the woods with a concrete poured base pad and some other well parts were found about 10 feet from the sulfur water area. No visible casing was found at surface, but a probe could be inserted 4 feet deep into the sulfur water area. A Thrasher Group inspection of Zeis 1 was conducted on August 21, 2025. At the time of inspection Zeis 1 was located below ground in a pool of sulfur water. There is a brace located near the pool of water and the casing size could not be measured. Zeis 1 is located within the 100-year floodplain.

The offset drilling logs do not state H2S was found in this well. However, this well is located within a pool of sulfur water which suggests this well is actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Zeis 1 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,439 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
Gravel	0	11	
Limestone (*Lockport)	11	353	
Clinton	353	403	
Red Rock	403	463	
Blue Shale	463	1030	
Brown Shale	1030	1373	
Trenton Limestone	1373	1439	
Total Depth	1439		
*Thrasher Comment			

Casing data for Zeis 1 is unavailable. Based on casing data from off-set well card Rufus Martin 1 (34-147-2-0036-00-00), which is located approximately 0.46 miles northeast of this well, and field inspection measurements, Zeis 1 has assumed casing depths are as follows:

- 8-inch O.D. casing set to 11 feet

No plugging records are located for Zeis 1 well.

For the purposes of this Scope of Work Zeis 1 was drilled to an estimated total depth of 1,439 feet and produced from the Trenton Limestone. The well is equipped with an estimated 11 feet of 8.625-inch outer diameter (O.D.) conductor casing that is buried in a pool of sulfur water.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 353 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 10 and 14 gallons per minute. Water wells in the area are between 33 and 140 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Zeis 1. Zeis 1 does fall within the 100-year flood plain.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North Township Road 71 (North Liberty Road) to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Zeis 1 Orphan Well Site
Seneca County
Liberty Township

PLUGGING PLAN

This Plugging Plan is for:

Zeis 1: 34-147-6-1171-00-00, Seneca County, Liberty Township

For the purposes of this Scope of Work Zeis 1 was drilled to an estimated total depth of 1,439 feet and produced from the Trenton Limestone. The well is equipped with an estimated 11 feet of 8.625-inch outer diameter (O.D.) conductor casing that is buried in a pool of sulfur water.

The Zeis 1 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

2) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 20 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

3) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

4) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

5) The Contractor will clean out the material in the wellbore to a depth of 413 feet. The contractor shall then run 5.5-inch O.D. surface casing to 403 feet or a depth approved by the Division. This casing shall be equipped with a float shoe on the bottom joint. The Contractor shall then cement the annulus of this casing to surface with an approved cement, mixed at 15.6 pounds per gallon. The Contractor shall wait on cement for a minimum of eight (8) hours; after which the Contractor will run their tools into the annulus to verify the depth to the top of the cement.

6) The Contractor shall then drill out the float shoe and any residual cement left inside the surface casing and clean out the remaining wellbore to its estimated total depth of 1,439 feet. The Contractor shall provide up to 140 barrels of freshwater on location for use as circulation fluid.

7) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

8) The Contractor will set a 500-foot bottom plug from 1,439 feet to 939 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

9) The Contractor will set a 500-foot plug from 753 feet to 253 feet, to cover the bottom of the 5.5-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will then set a cement plug from 253 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

11) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.

SCOPE OF WORK
SENECA 5F PROJECT
Zeis 2 Orphan Well Site
Seneca County
Liberty Township

WELL DESCRIPTION

This Well Description is for:

Zeis 2: 34-147-6-1172-00-00, Seneca County, Liberty Township

Background: The Zeis 2 well is located approximately 4.44 miles southeast of the city of Bettsville, Ohio. Zeis 2 is 1,519 feet east of North Township Road 71 (North Liberty Road) in a wooded area on a 150.16-acre parcel (39147-H29000468680000) which is owned by F. Robert and Margaret L. Zeis. The address is North Township Road 71, Tiffin, Ohio 44883.

A Division inspection of Zeis 2 was conducted on February 19, 2025. At the time of inspection an estimated 8.625-inch outside diameter (O.D.) casing and an estimated 6-inch O.D. casing open to the atmosphere was located near Wolf Creek. The casings are both very rusty and deteriorated so exact measurements were unable to be taken. The casings are packed full of leaves and debris. Several creek crossings will be needed to access the well. A Thrasher Group inspection of Zeis 2 was conducted on August 21, 2025. At the time of inspection Zeis 2 was in located in the woods at ground level with a tree fallen on the well. The well is equipped with an estimated 8.625-inch O.D. rusted casing open to the atmosphere with debris obstructing the well at the surface.

The offset drilling logs do not state H2S was found in this well. However, this well is located within the proximity of the Eugene Smith 1 and Zeis 1 which are actively leaking Hydrogen Sulfide (H2S). Based on this information, the contractor will follow the H2S protocol as defined in the Detailed Specifications.

Division well records for Zeis 2 were not located. Off-set drilling logs state that the well could have been drilled in the early to mid-1900s to an estimated total depth of 1,437 feet in the Trenton Limestone. Estimated formation data included in this record show the following:

Formation	Top (ft.)	Bottom (ft.)	Remarks
Gravel	0	9	
Limestone (*Lockport)	9	351	
Clinton	351	401	
Red Rock	401	461	
Blue Shale	461	1028	
Brown Shale	1028	1371	
Trenton Limestone	1371	1437	
Total Depth	1437		
*Thrasher Comment			

Casing data for Zeis 2 is unavailable. Based on casing data from off-set well card Rufus Martin 1 (34-147-2-0036-00-00), which is located approximately 0.32 miles north of this well, and field inspection measurements, Zeis 2 has assumed casing depths are as follows:

- 8.625-inch O.D. casing set to 9 feet
- 6-inch O.D. casing set to 651 feet

No plugging records are located for Zeis 2 well.

For the purposes of this Scope of Work the Zeis 2 was drilled to an estimated total depth of 1,437 feet and produced from Trenton Limestone. The well is equipped with an estimated 9 feet of 8.625-inch outer diameter (O.D.) conductor casing and an estimated 651 feet of 6-inch O.D. surface casing.

The deepest underground source of drinking water (USDW) is mapped on the Lockport Dolomite with the base of formation at a depth of approximately 351 feet. Based on local water well data, offset oil and gas well records within the reviewed area, and published groundwater resources information for Seneca County, wells produce water from clay, gravel, limestone, and shale. The sustainable yield is between 10 and 14 gallons per minute. Water wells in the area are between 33 and 140 feet in depth. The work zone does not fall within the drinking water source protection areas. According to the Division of Mineral Resources Management, there are no surface or underground mines within the area of review of Zeis 2. Zeis 2 does fall within the 100-year flood plain.

Scope of Work: This project includes the mobilization and access to the site, plugging the orphan well, as well as regrading and reclamation of disturbed areas as described.

Designated Route: The Contractor shall utilize North Township Road 71 (North Liberty Road) to access the site during all stages of the plugging project.

It is the Contractor's responsibility to contact all County, Township, State and Municipal Officials having jurisdiction over the roads that are intended to be utilized for this project. The Contractor shall provide written documentation to the Division, of all road use notifications/approvals prior to mobilizing equipment to the site.

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Zeis 2 Orphan Well Site
Seneca County
Liberty Township

PLUGGING PLAN

This Plugging Plan is for:

Zeis 2: 34-147-6-1172-00-00, Seneca County, Liberty Township

For the purposes of this Scope of Work the Zeis 2 was drilled to an estimated total depth of 1,437 feet and produced from Trenton Limestone. The well is equipped with an estimated 9 feet of 8.625-inch outer diameter (O.D.) conductor casing and an estimated 651 feet of 6-inch O.D. surface casing.

The Zeis 2 well is not located within an H2S township, however, H2S was detected in nearby wells during the site visit. Based on this information, the Contractor will follow the H2S protocol as defined in the Detailed Specifications.

The Contractor shall maintain a minimum of 70 barrels of 9.0 pound-per-gallon weighted brine on location throughout the entire plugging process for use as a well kill fluid.

1) The Contractor shall visually examine the existing casing(s), to evaluate their condition immediately below grade. If the casing(s) are found to be severely degraded, the Contractor will remove the incompetent section of casing and install enough new casing, of similar diameter, to bring the top of the existing casing(s) to a suitable working height.

2) The Contractor shall install 10.75-inch outside diameter (OD) drive pipe in the wellbore. This drive pipe shall be driven to refusal of competent bedrock, which is estimated to be at a depth of 20 feet. The top of this drive pipe shall extend to a suitable working height above ground level.

3) The Contractor shall then install an appropriately sized and lined temporary cellar around the wellhead to capture any fluids generated during the plugging process.

4) The Contractor shall then install an appropriate wellhead and an approved method of well control on the most appropriate sized casing(s) to insure there is control of gas and/or fluids generated from the well. **The Contractor shall establish and maintain well control throughout the entire plugging process.**

5) The Contractor will clean out the well to its estimated total depth (TD) of 1,437 feet or a depth approved by the Division. The Contractor shall run their tools into the existing 6-inch diameter casing, to ensure it is open and verify the wells total depth, which records show is estimated at 1,437 feet. The Contractor shall supply a minimum of 140 barrels of freshwater on location for use as circulation fluid.

6) Once total depth has been reached, the Contractor will load the hole with freshwater and run a Gamma Ray/CCL/Temperature/Bond & Caliper log to verify hole diameter, casing integrity, and the cement and bond on the surface casing annulus. All cement plug depths and thicknesses will be based on log data.

7) All cement plugs shall be set through a working string of 1.5-inch minimum inside diameter (I.D.) tubing using an approved cement mixed at 15.6 pounds per gallon. **The well shall be in a static condition prior to beginning any cementing activities.** In addition, circulation must be established, and all free crude oil shall be circulated from the wellbore prior to setting any plug.

8) The Contractor will set a 500-foot bottom plug from 1,437 feet to 937 feet, to cover the Trenton Limestone. The Contractor will wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that a competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

9) The Contractor will set a 500-foot plug from 937 feet to 437 feet, to cover the bottom of the 6-inch surface casing. The Contractor shall wait on cement a minimum of eight (8) hours and then run their tools into the hole to verify the depth to the top of the plug. If the plug has dropped or it is determined that competent plug has not been achieved, additional plugs may be requested at the discretion of the Division.

10) The Contractor will then set a cement plug from 437 feet to within forty-eight (48) inches of ground level, wait on cement/grout a minimum of eight (8) hours and top off with additional cement/grout, if necessary.

11) No sooner than three (3) business days after placing the uppermost plug, the Division will inspect the well at surface to determine if any additional plugging work shall be required at that time. If additional work is not needed the Contractor shall cut to a depth of forty-eight (48) inches below the surface and the Contractor shall set the plugged well identification as outlined in the General Specifications and Ohio Administrative Code 1501-9-11-10.



THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Multiple Orphan Well Sites
Seneca County
Hopewell, Liberty, & Pleasant Townships

DETAILED SPECIFICATIONS

The Contractor is reminded to review the Scope of Work documents carefully. Coordination, permission, or direction of the Division may be required for use of individual Detailed Specification line items. The Division shall only pay for quantities of items that are correctly installed and completed in accordance with the Detailed Specifications and Drawing Plan Set. The Division shall not guarantee payment of any work completed without or prior to following the conditions described herein of each line item.

MOBILIZATION

A. Description: This work shall consist of the development of access and the mobilization of the Contractor's forces and equipment necessary for performing the required work under the Scope of Work for the well site.

This item shall include the transportation of personnel, equipment, and supplies to and from each site as well as the maintenance of all onsite access roads.

As part of this line item, the Contractor shall also include any maintenance of traffic required within the road right-of-way per Part 7 of the General Specifications.

Also, the Contractor shall be responsible for cleaning mud and dirt associated with construction from all roadway surfaces (public and private) as per Part 7.1 of the General Specification for the duration of the Project and as directed by the Division.

B. Execution: No additional compensation shall be made to the Contractor for remobilization after his equipment has been removed from the site. If applicable, this shall include remobilization of equipment if removed due to winterization of the project.

Any damage to the road, drives, and/or culverts caused by the mobilization shall be repaired by the Contractor at the Contractor’s expense. All repairs shall be done equal to or better to that which existed prior to construction activities.

In addition, this work includes temporary crossings of Bascom Communications fiber lines as shown on the Drawing Plan Set. Proposed crossing locations and methods have been pre-coordinated with Bascom Communications, and the crossing methods shown in the Drawing Plan Set have been accepted by the utility owner.

Bascom Communications requires advance notification and on-site presence during construction and use of the crossings. The Contractor shall contact Donna Siebanaller at (419) 937-2222 a minimum of two (2) business days prior to construction or use of the crossings to coordinate scheduling. The Contractor shall ensure a Bascom Communications representative is present during crossing installation and any subsequent use, as required by the utility owner.

The Contractor shall construct all crossings in accordance with the crossing methods shown in the Drawing Plan Set and shall avoid damage to existing utilities. Any deviation from the approved crossing methods or locations shall require additional coordination and approval from Bascom Communications.

The Contractor remains fully responsible for protection of existing utilities and compliance with all applicable Ohio utility protection requirements.

C. Measurement: Measurement for payment will be considered and measured as a unit satisfactorily completed and accepted by the Division. Mobilization of equipment between wells shall be considered incidental to this line item for wells using a common entrance.

If any portion of the item is non-performed to the satisfaction of the Division (i.e., the mud and dirt are not cleaned from the roadway, the proper signage is not used as detailed) this is considered unsatisfactory and shall be cause for the rejection of payment of this item.

As part of the consideration to be satisfactorily completed, work shall be per the "Sequence of Work."

D. Payment: The cost of this work shall be included in the lump sum price for **"Mobilization."**

DEMOBILIZATION

A. Description: This work shall consist of the demobilization of all personnel, plugging related equipment and materials as well as the cleanup of all areas upon completing all other work required under the scope of work for the well site.

B. Execution: Any damage to the road, drives, and/or culverts caused by the demobilization shall be repaired by the Contractor at the Contractor's expense. All repairs shall be done equal to or better to that which existed prior to construction activities.

This item shall also include the continued and proper use of any maintenance of traffic required within the road right-of-way per Part 7 of the General Specifications.

Also, the Contractor shall be responsible for cleaning mud and dirt associated with construction from all roadway surfaces (public and private) as per Part 7.1 of the General Specification for the duration of the Project and as directed by the Division.

C. Measurement: Measurement for payment will be considered and measured as a unit satisfactorily completed and accepted by the Division. **Demobilization of equipment between wells shall be considered incidental to this line item for wells using a common entrance.**

If any portion of the item is non-performed (i.e., the mud and dirt are not cleaned from the roadway, damaged items not restored to the satisfaction of the Division, etc.) this is considered unsatisfactory and shall be cause for the rejection of payment of this item.

D. Payment: The cost of this work shall be included in the lump sum price for **"Demobilization."**

CLEARING & GRUBBING

A. Description: This item covers the removal of the vegetation within the limits shown on the Drawing Plan Set to provide adequate space to maneuver equipment to complete the proposed work at each well.

B. Execution: The Contractor shall only clear enough of the site within the limits shown on the Drawing Plan Set to provide adequate space to maneuver equipment to complete the proposed work. The Division shall exercise control over clearing and shall designate all trees, plants, shrubs, abandoned material, trash, etc., to be removed or to remain. This work shall also include the preservation from injury or defacement of all trees designated to remain.

If the Contractor clears and/or grubs beyond the construction work limits, whether knowingly or accidentally, the Contractor shall replant and/or otherwise restore all areas outside of the limits to a condition equal to or better than what existed prior to beginning work. This shall be no at no additional expense to the Division.

All tree disturbance (trimming and/or removal) activities shall be coordinated with the Division as these trees may provide suitable roosting, foraging, or traveling habitat for Threatened & Endangered species. To prevent adverse impacts to Threatened & Endangered species, clearing of trees with a DBH (Diameter at Breast Height) greater than 3inches, **shall not take place between April 1st and September 30th.**

All suitable debris cleared shall be chipped by mechanical methods and the mulch shall be stockpiled/spread onsite in the locations designated by the Division's Representative.

Brush and debris not suitable for chipping shall be stacked to the down slope side of the work, outside of the work limits. The Division shall make the final determination as to the stability and location of the constructed piles. The log pile(s) shall not exceed four (4) feet in height or eight (8) feet in width, and thirty (30) feet in length. The Contractor shall be responsible for the repair/reconstruction of the piles, at the discretion of the Division, up to the final acceptance of the project.

All stumps shall be cut off flush with the existing ground surface prior to placement of material.

Burning of debris materials shall not be permitted on-site.

C. Measurement: Measurement for payment will be considered and measured as a unit satisfactorily completed and accepted by the Division. This measurement shall be for the entire project as one unit.

D. Payment: Payment shall be made at the contract lump sum price per **"Clearing & Grubbing."**

FILTER FABRIC

A. General: This item shall include all material, labor, and equipment necessary for the installation of the filter fabric for the base of temporary access road construction at the Bosler 1 & Eugene Smith 1 Sites as shown on the Drawing Plan Set.

B. Materials: The filter fabric shall be composed of strong, rot-proof polymeric fibers formed into a fabric meeting Ohio Department of Transportation Specifications, Section 712.09, Type "D".

C. Installation: At the time of installation, fabric shall be rejected if it has defects, rips, holes, flaws, deterioration, or damage incurred during manufacture, transportation, or storage. It shall be laid smooth and free from tension, stress, folds, wrinkles, or creases. The strips shall be placed to provide a minimum width of 6 inches of overlap for each side or end. Any damage to the fabric during its installation or during placement of the stone shall be replaced or repaired by the Contractor at no cost to the Division. The filter fabric shall be protected from damage due to placement of the stone or other materials by limiting the height of the drop of the material.

The Contractor shall install the filter fabric once **the subgrade has been properly prepared and approved by the Division** and prior to the stone in the areas of the access drive that is required to be temporary as described on the Drawing Plan Set. The fabric shall be removed and properly disposed of by the Contractor at the completion of this project and shall be part of line item **"Filter Fabric."**

D. Measurement: Measurement shall be determined in the field by the Chief's representative with no allowance for the overlap of 6-inch recommended above. Measurement shall be based on the length and height of the underdrain/stone drain as indicated on the Drawing Plan Set.

E. Payment: Payment for all of the work specified above shall be made at the unit price per square yard for **"Filter Fabric".**

SILT FENCE

A. General: This item covers construction of silt fences and/or straw bale dikes. The Division shall designate utilization of silt fence, straw bale dikes or a combination of both at locations selected for placement.

The placement of silt fence and straw bale dikes within the limits of construction shall be at the discretion of the Division.

During the life of the project, the Contractor shall maintain these silt and erosion-control structures. Accumulated silt shall be removed when it, in the Division's opinion, may damage or reduce the effectiveness of the structure.

B. Straw Bale Dikes

1. Materials: Straw bale dikes shall be constructed with twine-bound square straw or hay bales, staked to remain in place.

2. Installation and Execution: The location of the dikes shall be as directed by the Division, at the time of construction. When the usefulness of the dikes has ended, they shall be removed and disposed of. Dikes may remain in place upon completion of the project only when permitted by the Division.

C. Silt Fence

1. Materials

a. The silt fence fabric shall conform to the ODOT Item 712.09, Type C. The silt fence shall be installed in accordance with all manufacturers' instructions.

The fabric shall be free of any treatment that might significantly alter its physical properties. During shipment and storage, the fabric shall be wrapped in a heavy-duty protective covering to protect it from direct sunlight, dirt, and other debris.

The manufacturer shall submit certified test data to cover each shipment of material.

b. The silt fence used shall be a prefabricated silt fence with fabric already attached to posts or shall be assembled in the field according to the following installation guidelines.

The fabric shall be a pervious sheet composed of a strong, rot-proof polymeric yard or fiber oriented into a stable network, which retains its relative structure during handling, placement, and long-term service. It shall have excellent resistance to deterioration from ambient temperatures, acid, and alkaline conditions, and shall be indestructible to microorganisms and insects. The material shall be resistant to deterioration by ultraviolet light and protected until placement as recommended by the manufacturer such that no deterioration occurs. During shipment and storage, the rolls of fabric shall be protected against deterioration from the sun, mud, dirt,

dust, and other harmful conditions at all times until their use.

2. Installation Guidelines for Silt Fence: Silt fence shall be installed in the following manner.

   a. First, a small toe-in trench shall be dug along the line where the silt fence is to be placed. The trench shall be a minimum of 6-inch deep and 6-inch wide. The excavated material shall be placed on the front or uphill side of the trench to facilitate backfilling later.

   b. Next, fence posts shall be driven into the back or downstream side of the trench. The posts shall be driven so that at least one-third (1/3) of the height of the post is in the ground. When installing a prefabricated silt fence with fabric attached to the posts, the posts shall be driven so that at least 6-inch of fabric shall be buried in the ground. Most prefabricated silt fences have posts spaced approximately 6 feet – 8 feet apart, which is usually adequate. If there is a low spot where most sediment tends to collect, the prefabricated silt fences can be backed up with bale backup. Posts shall be hardwood with sufficient strength to support a full load of deposited sediment.

   c. Finally, the trench shall be backfilled with the excavated material and tamped so that at least 6-inches of the fabric is securely toed into the ground to prevent under-mining.

   d. The silt fences shall be maintained throughout construction. The Contractor shall conduct regular inspections and after all heavy rains. Damaged fences must be repaired immediately.

   e. At the completion of construction and upon establishment of suitable vegetation as determined by the Division, all silt fence structures shall be removed. Areas disturbed by the removal operation including temporary access roads shall be revegetated. In general, this operation shall consist of regrading, re-fertilizing, reseeding, and mulching.

D. Measurement: Measurement for payment for the above-described work shall be made by actual field measurements of quantities satisfactorily installed and completed. When using silt fence with bale backup the measurement shall be the length of the silt fence installed, plus the length of the straw bale dike installed.

E. Payment for Silt Fence and Straw Bale Dikes: Payment for this item shall be made at the unit price per linear foot of **"Silt Fence."** The Division shall only pay for quantities of items that are completed.

No. 4 STONE

A. Description: This work covers the quality, material placement and requirements as a base course stone for project access as shown in the Drawing Plan Set.

B. Materials: The materials shall consist of sound and durable rock, gravel or stone of the proper gradation meeting ODOT specifications. The material shall be free from cracks, seams, and other defects, which tend to increase deterioration from natural causes. It shall be highly resistant to weathering and disintegration under freezing and thawing and wetting and drying as evidenced by laboratory tests and/or service records. The Division at any time during the project may reject any materials, at the source or job site, not meeting the requirements of these specifications.

Acceptability of material will be determined by laboratory tests, visual inspection and/or service records as required by the Division. Service records will include documentation to show the material has performed satisfactorily on similar structures.

C. Installation: Upon delivery of the material to the site the Contractor shall install the material in place as directed by the Division. The Contractor shall not stockpile materials at the site.

The Contractor shall remove the topsoil prior to installation of any access road or work area stone. Topsoil shall be stockpiled adjacent to the location it is removed from. At the conclusion of the project, all topsoil will be replaced to its original location as part of the line item **"Site Restoration." Existing drives upgraded for the purpose of this work shall be restored to a condition better than prior to construction.**

D. Measurement: The material shall be measured for payment by the ton (2,000 pounds) for material acceptably placed in the work area as determined by certified scale weight tickets.

All material wasted or used by the Contractor for other purposes and any material not placed in the work area in accordance with the requirements of the work order and these specifications and drawings shall be measured and not included for payment by weight. A conversion factor of 1.5 ton per cubic yard of No. 4 Stone shall be used if necessary.

E. Payment: Payment of this work as specified above shall be made based on the unit price per ton for **"No. 4 Stone."**

No. 8 STONE

A. Description: This work covers the quality, material placement and requirements as a top course stone for the proposed overlay as shown in the Drawing Plan Set. This material shall be placed within the current limits of the respective landowner access drives.

B. Materials: The materials shall consist of sound and durable rock, gravel or stone of the proper gradation meeting ODOT specifications. The material shall be free from cracks, seams, and other defects, which tend to increase deterioration from natural causes. It shall be highly resistant to weathering and disintegration under freezing and thawing and wetting and drying as evidenced by laboratory tests and/or service records. The Division at any time during the project may reject any materials, at the source or job site, not meeting the requirements of these specifications.

Acceptability of material will be determined by laboratory tests, visual inspection and/or

service records as required by the Division. Service records will include documentation to show the material has performed satisfactorily on similar structures.

C. Installation: Upon delivery of the material to the site the Contractor shall install the material in place as shown on the Drawing Plan Set.

D. Measurement: The material shall be measured for payment by the ton (2,000 pounds) for material acceptably placed in the work as determined by certified scale weight tickets.

All material wasted or used by the Contractor for other purposes and any material not placed in the work in accordance with the requirements of the work order and these specifications and drawings shall be measured and not included for payment by weight. A conversion factor of 1.5 ton per cubic yard of No. 8 Stone shall be used if necessary.

E. Payment: Payment of this work as specified above shall be made based on the cost proposal unit price per ton for **"No. 8 Stone."**

No. 304 AGGREGATE BASE

A. Description: This work covers the quality, material placement and requirements as an aggregate for the project access as shown in the Drawing Plan Set.

B. Materials: The materials shall consist of sound and durable rock, gravel or stone of the proper gradation meeting ODOT specifications. The material shall be free from cracks, seams, and other defects, which tend to increase deterioration from natural causes. It shall be highly resistant to weathering and disintegration under freezing and thawing and wetting and drying as evidenced by laboratory tests and/or service records. The Division at any time during the project may reject any materials, at the source or job site, not meeting the requirements of these specifications.

Acceptability of material will be determined by laboratory tests, visual inspection and/or service records as required by the Division. Service records will include documentation to show the material has performed satisfactorily on similar structures.

C. Installation: Upon delivery of the material to the site the Contractor shall install the material in place as shown on the Drawing Plan Set.

All No. 304 Aggregate Base used for the construction of temporary access drives shall be removed at the completion of the project to allow for the completion of the **"Site Restoration"** line item. **The No. 304 Aggregate Base shall become the property of the Contractor at the completion of the project and shall be removed and reused or disposed of at the Contractor's expense.**

D. Measurement: The material shall be measured for payment by the ton (2,000 pounds) for material acceptably placed in the work as determined by certified scale weight tickets.

All material wasted or used by the Contractor for other purposes and any material not

placed in the work in accordance with the requirements of the work order and these specifications and drawings shall be measured and not included for payment by weight. A conversion factor of 1.5 ton per cubic yard of No. 304 aggregate base shall be used if necessary.

E. Payment: Payment of this work as specified above shall be made based on the unit price per ton for **"No. 304 Aggregate Base."**

ROAD MATS (COMPOSITE)

A. Description: This item shall consist of the transportation, delivery, installation, and removal of road mats as described. The placement of road mats within the limits of construction shall be at the discretion of the Division. This item shall be utilized to protect the existing lawn areas and crop fields that will be traversed within the construction work limits. This item shall also include all work required to move between wells included in this contract, that require road mats as shown on the Drawing Plan Set.

B. Material: Road matting shall be non-permeable, composite mats. Non-permeable, composite mats shall be a minimum of four (4) inches thick with a minimum surface dimension of seven (7) feet wide and thirteen (13) feet long. Non-permeable, composite mats and associated components (i.e. ramps, berms, and fittings) shall be installed per the manufacturer's recommendations. **In addition, mats shall be fully pinned when placed in a floodplain boundary**.

All materials delivered to the site must be in a shape to be able to cover the area properly and still have the strength and integrity to complete the required work. The Division may reject any mats determined to be damaged beyond useful life or remove square footage as measured from each individual mat.

C. Execution: Mats shall be kept clean throughout the project. If it is determined by the Division, the mats do not meet this requirement the Contractor shall have any sediment or mud removed immediately.

D. Measurement: Measurement for payment for the road mats shall be made by actual field measurements of quantities satisfactorily installed at the site. Each road mat shall be measured for a square foot installed.

E. Payment: The cost of this work shall be included in the unit price per square foot for **"Road Mats (Composite)."**

STEEL ROAD PLATES

A. Description: This item shall consist of the transportation, delivery, installation, and removal of steel road plates as described. The placement of steel road plates within the limits of construction shall be at the discretion of the Division. This item shall be utilized to protect the underground utilities that will be traversed within the construction work

limits.

B. Execution & Material(s): Underground utilities within the project work limits shall only be traversed in a perpendicular direction where indicated on the Drawing Plan Set.

The steel plates shall be in place for the entire duration of the project. Steel plates shall be fabricated from ASTM A36 steel, be a minimum of one (1) inch thick, four (4) feet wide and eight (8) feet long and shall be able to withstand H-20 traffic loading (truck axle loading of 32,000 pounds or wheel loading of 16,000 pounds). Steel plates shall extend a minimum of 4 feet beyond each utility in the direction that the utility will be traversed.

C. Measurement: Payment shall be made upon installation of steel road plates at the site. Each steel road plate shall be measured per actual square foot installed.

D. Payment: The cost of this work shall be included in the square foot price for **"Steel Road Plates"**.

TIMBER MATS

A. Description: This item shall consist of the transportation, delivery, installation, and removal of road mats as described. The placement of road mats within the limits of construction shall be at the discretion of the Division and/or as shown on the Drawing Plan Set in order to provide a stable workspace for the equipment layout at the Eugene Smith #1 near the bank of the adjacent stream.

B. Material: Timber matting shall be composed of dense hardwood, shall be a minimum of six (6) inches thick, four (4) feet wide, and sixteen (16) feet long, and shall have a minimum of 1-1/4-inch diameter lift bolts installed at each end and through the width of the mat. The size required will vary depending on the use, see details on the drawing plan sets for variations on these sizes.

All timber mats placed within the FEMA 100-year floodplain shall be secured using ½" diameter steel wire rope. Anchor points shall be confirmed with the Division.

All materials delivered to the site must be in a shape to be able to cover the area properly and still have the strength and integrity to complete the required work. The Division may reject any mats determined to be damaged beyond useful life. The following grade descriptions for used mats shall be used by the Division to determine if the materials are acceptable.

1. **GRADE A** - Visually, Grade A mats look like new mats. The timbers are still square and in excellent condition and all the mat bolts are in place and fully intact. Mats must have all bolts and timbers fully intact. Mats are less than 9 months old. Very minimal wear, no chunks out of timbers missing.

2. **GRADE B** - Essentially, Grade B mats are less pretty versions of Grade A mats. They have no structural faults; they just look a bit worn. Edges of timbers are still square,

and timbers are also sound and free of rot. If one or two of the bolts are bent, they qualify as Grade B mats. These mats might also be stained, but the discoloration is not enough to affect the durability of the mat. Typically, 10-18 months of age/usage makes the mat fall into a B grade. **(All mats used to bridge over anything shall be Grade B or better and shall be as detailed on the Drawing Plan Set.)**

3. **GRADE C** - Grade C mats are not quite up to the challenges that Grade A and B mats can handle, but they still have life left in them. Grade C Mats can have a missing or pulled rod on one end of the mat. The mat still has structural integrity inside 2' from each end though. Timbers may be broken within 2' of either end but no timbers are broken inside of the 2' of each end. No hanging timbers allowed in C grade mats. As you can imagine, these are not going to be the picture-perfect image of timber mats. They might be missing numerous bolts, incurred excessive repairs, or be slightly varied in shape. Grade C mats are less expensive, but they also have a shorter life expectancy. **Any mat meeting the Grade C rating shall be measured for square footage of acceptable usable area.**

C. Measurement: Measurement for payment for the road mats shall be made by actual field measurements of quantities satisfactorily installed at the site. Each road mat shall be measured for a square foot installed.

D. Payment: The cost of this work shall be included in the unit price per square foot for **"Timber Mats"**.

PORTABLE BRIDGE

A. Description: This item shall consist of the procurement, transportation, delivery, installation, maintenance, and removal of a portable bridge w/ abutments (portable bridge) as described. The placement of a portable bridge within the limits of construction shall be at the discretion of the Division. This item shall be utilized to protect the existing streams that will be traversed within the Zeis #1 and #2 construction work limits. This item shall include all work that is required for the portable bridge as shown on the Drawing Plan Set.

B. Materials: The portable bridge shall utilize a bridge type crossing that allows for access without affecting the stream below the ordinary high-water mark and is of sufficient capacity to facilitate the work. The portable bridge shall be sized to span the stream, wide enough to safely pass the intended equipment, and allow adequate length to rest on abutments. The portable bridge shall carry a max load rating established by an engineer. The contractor shall not exceed the max load rating when using the portable bridge. Placing culverts or stone below the ordinary high-water mark shall not be allowed.

C. Execution: The contractor shall **submit a written portable bridge plan** to the Division prior to execution. The portable bridge plan shall describe the following elements:

a. Type of portable bridge, including manufacturer, model, and dimensions
b. Abutment material and dimensions
c. Method for transportation and installation

d. Configuration
e. Necessary grading requirements, if any
f. Method for restoring effected areas.
g. <u>Anchoring (1/2" Diameter Steel Wire Rope)</u>

Upon receiving approval from the Division, the contractor shall install the portable bridge at the location indicated by the Division and maintain the portable bridge during the life of the project. Installation shall include any miscellaneous grading that may be necessary.

All work up to and including site restoration opposite the ingress/egress side of the stream must be completed before removing the bridge. Reinstallation will be at the Contractor's own cost if the bridge is removed prior to work being completed and accepted by the Division.

Upon completion of the work, the portable bridge shall be removed. The affected areas shall be restored to the original grade and all disturbed areas shall be revegetated according to the Site Restoration Specifications.

D. <u>Measurement:</u> Measurement for the portable bridge, which includes procurement, transportation, delivery, installation, maintenance, and removal, will be considered and measured as a unit satisfactorily completed and accepted by the Division. Portable bridge shall not be considered complete until the portable bridge has been removed from the site.

The following milestones will be used to measure progress for payment:
a. 20% - Mobilization
b. 80% - Installation
c. 100% - Removal / Restoration

E. <u>Payment:</u> The cost of this work shall include all material, labor, and equipment necessary to complete the work and be made at the lump sum price for **"Portable Bridge"**

<u>WELL HEAD EXPLORATION</u>

A. <u>Description</u>: This work consists of all labor, equipment, and material necessary to excavate, uncover and bring the Zeis #1 well to surface.

<u>This work shall also include mobilization and demobilization to the well location.</u>

B. <u>Execution:</u>

1.) <u>Currently, the exact location of the Zies #1 is unknown</u>. The Contractor shall notify the Division 24 hours in advance of excavation; the Division must be onsite. The Contractor shall excavate the area (at the location shown on plan and at the direction of the Division) to determine if a casing/wellbore is present. The Division will provide/use a metal detector throughout this process. Excavation and dewatering shall be the responsibility of the Contractor. A trash pump will be required onsite.

A four (4) foot minimum excavation/evaluation of the existing casing(s) shall be

completed. Casing(s) requiring excavation depths exceeding four (4) feet shall be discussed with the Division prior to continuing with work. All excavations shall be in accordance with OSHA Construction Standards for excavation and trenching under 29CFR 1926 Subpart P.

The casing shall be free from any damage or defects. If required, the casing shall be cut and cleaned of any dirt, oil, and debris prior to welding extensions. Casing(s) shall be extended to a suitable working height. At this time, the Contractor will proceed with the Scope of Work document.

2.) Should a wellbore/casing not be found, the Contractor shall backfill the excavation and reclaim the site using seed and mulch. In addition, the Division will issue a field order clarifying what future work is required and any applicable deducts.

Disturbed areas shall be reclaimed and executed as described under "Site Restoration" utilizing the following seed blend and components:

- Mulch: 100 lbs/1000 sq. ft.

- GENERAL SEED MIX 75.0 lbs/acre
  - Orchardgrass (Dactylis glomerata) 15.0 lbs/acre
  - 98/85 Kentucky Bluegrass 12.0 lbs/acre
  - Timothy (Phleum pratense) 12.0 lbs/acre
  - Birdsfoot Trefoil (Lotus sp.) 9.0 lbs/acre
  - Red Clover (Trifolium pratense) 8.0 lbs/acre
  - White Clover (Trifolium repens) 7.0 lbs/acre
  - Annual Ryegrass (Lolium multiflorum) 8.5 lbs/acre
  - Perennial Ryegrass (Lolium perenne) 3.5 lbs/acre

C. Measurement: Measurement for payment shall be made by field inspection of units satisfactorily completed and accepted by the Division. Should no casing(s)/wellbore be found, the Division will issue clarification on deductions from the original Scope of Work document.

D. Payment: Payment for the above-described work, which includes all labor, materials, equipment necessary to excavate/uncover the Zies #1 shall be made at the unit price per each wellbore for **"Well Head Exploration."**

SITE SAFETY

A. Description: The work will include the installation and implementation of safety procedures/requirements for each well site as described herein.

B. Definitions & Installation: It is the Contractor's responsibility to properly maintain all of the latter mentioned throughout the duration of the project. Any damages shall be repaired or replaced at no additional cost to the Division. Site safety measures shall be removed prior to the demobilization of the Contractor's workforce.

Any release of materials into or onto the ground or surface waters outside of the primary and/or secondary containment shall follow the Ohio One-Call System as

described in Appendix I, "One Call". The Ohio One-Call System shall be contacted at 1-844-OHCALL1 within 30 minutes of becoming aware of the occurrence.

1. Temporary Construction Fence & Posts: The temporary construction fencing shall be composite, orange mesh with a minimum overall height of four (4) feet. Fence posts are to be steel five (5) feet t-posts. Fence materials shall meet the ODOT Construction and Materials Specifications (CMS) Item 710.11.

   The posts shall be driven or set in holes to a minimum depth of one (1) foot and at intervals not to exceed ten (10) feet. The fence shall be stretched and securely fastened to each post using metal or plastic ties.

   For estimating purposes, fencing shall be placed around the entire work area. The Contractor shall work in conjunction with the Division for placement/layout of the temporary fence. All fence shall be removed at the completion of the project.

2. Air Movers (Industrial Fans): The Contractor will also be required to have onsite industrial fans or air movers **at all times** in the event natural gas is detected and found to be settling at ground level and not properly dissipating from the site (unless otherwise approved in writing from the Division).

3. FEMA 100-year Floodplain Requirements: The Eugene Smith #1, Zeis #1 & Zeis #2 wells are located within the FEMA 100-year floodplain limits. In the event that the site begins to flood, the Contractor will be required to immediately shut in the well and remove all onsite equipment and chemicals that could potentially cause pollution and/or contamination. **To avoid potential flood conditions, work on these wells shall NOT take place from November 15st to June 30th. The Contractor shall work in conjunction with the Division prior to mobilizing equipment to the project site. Approval shall be based upon the time of year as well as projected weather conditions.**

4. Absorbent Boom: In addition to the requirements of Part 10 of the General Specifications, the Contractor shall supply and install an absorbent boom as shown on the Drawing Plan Set. The Contractor shall work in conjunction with the Division for the placement of the boom. The boom shall be in place for the entire duration of the Project and shall be flipped or replaced as needed in order to continually absorb any oil/hydrocarbon materials. Any pooled oil/hydrocarbon material shall be removed prior to removal of the boom. **Absorbent booms shall only be required at the Eugene Smith #1 well site.**

5. Power/Utility Lines Safety: Utility lines cross over the access route which will require warning signs to insure awareness.

6. Emergency Response Plan: The Contractor will assemble an Emergency Response Plan (ERP) with all contact information, emergency preventative measures, and **contingency plans for Hydrogen Sulfide (H_2S) release** and for any well-related issues that may occur. ERPs shall be submitted to the Division via email to DOGRM.EMNOTIFY@dnr.ohio.gov for approval prior to beginning work.

The Contractor will be responsible for maintaining this ERP on site during the plugging operations. A copy of the ERP along with the SDS sheets will be stored at the project entrance in a container labeled "ERP/SDS". Ingress/Egress for evacuation and/or public safety will be discussed in the safety meeting to be held on location by the Contractor with local responders and Division personnel. These routes will be listed in the ERP. The Division will review with the Contractor prior to the start of plugging operations.

C. Measurement: Measurement for payment will be considered and measured as a unit satisfactorily completed and accepted by the Division.

D. Payment: Payment for this work, including labor, installation, materials and removal shall be made at the lump sum price for **"Site Safety."**

SECONDARY CONTAINMENT

A. Description: This item shall include all labor and materials required for the installation, maintenance, and deconstruction of the secondary containment. Onsite materials and equipment required to be stored within the secondary containment shall be as follows: containers that store liquid brine, oilfield waste, and/or fuels as well as any required pumps. In determining the method, design, and capacity for secondary containment, the Contractor shall address the typical failure mode, and the most likely quantity of brine or other oil field waste substance that would be discharged.

B. Materials: The Contractor shall supply catchment basins or diversion structures to intercept and contain discharges of brine or other oilfield waste substances during the project. Materials shall consist of impermeable containers or liners made of a material that is compatible with the waste stored or used within the containment. Containment materials shall be impervious and have supporting documentation of the permeability, chemical compatibility, and other applicable QA/QC standards, is acceptable. **Use of a liner shall at a minimum be a 20-mil thickness**.

Materials shall be durable enough to support the weight of heavy equipment used for the plugging operations. Materials shall have sufficient strength and thickness to maintain the integrity of the container or liner. The container or liner shall be designed, constructed, and maintained so that the physical and chemical characteristics of the container or liner are not adversely affected by the waste and the container or liner is resistant to physical, chemical and other failure during transportation, handling, installation and use.

Liner walls shall consist of metal, wood, concrete, plastic, or approved equal. Wall materials shall be designed, constructed, and maintained to withstand the overtopping and sliding forces of secondary containment filled to capacity.

The Division shall determine the merit of the proposed materials compatibility, impermeability, integrity, and durability in determining if the material is sufficient for the project.

C. Installation: Secondary containment shall be installed prior to any drilling or liquid storage at the project site. **Secondary containment shall extend at least one foot horizontally beyond the primary containment and provide at least one foot in depth capacity or provide a minimum volume equal to 25% of the primary storage capacity.**

Upon request of the Division, the Contractor shall provide calculations in tabular format of the containment providing both the secondary containment capacity and the on-site material storage. The Division can require sections of secondary containment to be removed for inspection and sampling if a spill occurs during the project.

Installation of the containers or liners, including seams and pipe penetrations, shall be in accordance with the manufacturer's recommendations. All seams and non-seam area of the container or liner shall be inspected by the Division for defects, holes, and blisters.

Care shall be taken when operating equipment on or near the container or liner to prevent any damage to the secondary containment. If damage occurs, it shall be repaired by the Contractor at his/her expense prior to continuing the project.

The Contractor shall retain all ownership and responsibility for the secondary containment. All secondary containment shall be removed from the site and retained by the Contractor at the conclusion of the project.

D. Measurement: Secondary containment, which includes all materials, labor, and equipment necessary to provide the required secondary containment, will be considered and measured as a unit satisfactorily completed and accepted by the Division. Secondary containment shall not be considered complete until all secondary containment has been removed from the site at the completion of the project.

E. Payment: Payment for this work shall include all material, labor, and equipment necessary to complete the work and be made at the lump sum price for **"Secondary Containment."**

WELL HEAD CONTROL

A. Description: This work consists of all labor, equipment, and material necessary to excavate and evaluate existing casing(s) and to establish control of the well. This item shall include the installation of a wellhead control device/flow diverter on the most appropriate well casing as described in the plugging plans.

In the event Division UPC work has been completed on the well, resulting in surface equipment (swages, fittings, valves, gauges, etc.) being installed, the Contractor shall coordinate with the inspector in returning this equipment to the Division for future use. At no point shall the Contractor assume ownership of any surface equipment associated with the well.

B. Execution: The Contractor is responsible for installing, according to best management practices, a wellhead control device/flow diverter on the well casing. Excavation of the existing casing(s) shall be the responsibility of the Contractor. A four (4) foot minimum

excavation/evaluation of the existing casing(s) shall be completed. Casing(s) requiring excavation depths exceeding four (4) feet shall be discussed with the Division prior to starting work. All excavations shall be in accordance with OSHA Construction Standards for excavation and trenching under 29CFR 1926 Subpart P.

The casing shall be free from any damage or defects. If required, the casing shall be cut and cleaned of any dirt, oil, and debris prior to welding extensions and/or installation of the diverter.

The Contractor shall supply a cellar with a cement base around the wellhead of all wells. This cellar shall be set around the well and extended up to working elevation, as the depressed area around the well head will be modified to establish workable base. This cellar shall be made of steel, concrete, or polyethylene pipe. **The cellar shall be a minimum of 48 inches in diameter. This work shall include a six (6) inch minimum of Approved Cement as specified or Portland Cement in the cellar base with a three (3) inch minimum port near the well. The port shall extend up to within three (3) inches of the well at working height and be used to monitor and contain any gas/oil escaping around the back side of the casing.**

Once a well head control device is installed, all fluids, gases and solids generated by the plugging process shall be diverted into a tank. This tank shall be set a minimum of twenty (20) feet from the well. The Contractor shall also maintain an adequate supply of well kill fluid at the well for possible well control emergencies, which shall be paid under the line item **"Well Kill Fluid."** The injection point for the kill line will be a minimum of twenty (20) feet from the well.

For the duration of this project the following wellhead control will be utilized. The wellhead control device/flow diverter assembly will have two, 2-inch minimum diameter discharge ports. The diverter lines running from both of the discharge ports on the wellhead assembly to the above ground steel tank will consist of two (2) – 2-inch minimum diameter steel lines that will extend a minimum of 20 feet from the wellhead. Each diverter line will have two valves (rated minimum 1,000 psi) at the end of the steel line for the control of flow. The lines from the last valve to the steel tank can either be a flexible line or a rigid line. These lines will be a fixed connection (i.e. hammer union, flanges, cam & groove) to the steel pit with equipment that is capable of withstanding the possible pressures encountered. All flexible line connections will have appropriately sized and rated whip checks install at the connections. All flexible lines will be secured to the ground in manner that will allow them to be maintained in place during operations. Lines will discharge into the tank at a downward angle or at an angle that will reduce fluids from splashing or spraying out of the tank if a sustained blow is encountered. One of the steel diverter lines will be equipped with a 2-inch diameter port and valve that will serve as the kill line access. This port and valve will be installed between the wellhead and the inline valve. All lines will need to be able to withstand the possible pressures encountered from sustained flow event from the well.

No well operations shall begin until an inspection of the prepared well has been completed by the Division.

WELL KILL FLUID

A. Description: The work covered by this section shall consist of furnishing all labor, equipment, and material necessary to provide and use weighted bring as a "kill" fluid for the drilling and plugging process of the well.

B. Requirements: The contractor shall provide a weighted bring of sufficient density to kill the well and regain well control in the event of a sustained and/or uncontrolled wellbore kick (a rapid influx of formation fluids and/or gases into the wellbore.

Sufficient density shall be defined as dense enough to exert hydrostatic pressure greater than the anticipated formation pressure but less than the anticipated formation fracture pressure.

The Division will require a minimum of 70 barrels of 9.0 pound per gallon weighted brine kill fluid be maintained at each well site throughout the plugging project for the sole purpose of killing the well to regain well control when required.

A mud pump of sufficient size/capacity shall be required to be onsite at all times during plugging operations as means to pump well kill fluid when required.

C. Measurement: Measurement for payment for the above-described work shall be made my the actual quantity of barrels (bbls) of weighted brine used as a kill fluid for the orphan well as approved by the division. The Division will at a minimum pay for the quantity required to be maintained on site.

D. Payment: Payment for the above work shall be made at the unit price per barrel (bbls) for **"Well Kill Fluid."**

CONDUCTOR CASING (10.75")

A. Description: This item covers all labor, equipment, and material required to drive/set the conductor in order to begin the plugging procedure.

B. Materials: The conductor shall be a 10.75-inch diameter casing conforming to a 32-35 pound per foot minimum STC (Short Thread and Coupling) or an approved equal material specifications. The Contractor shall supply the proper ranges and pup joints to complete the lengths required during installation.
Pipe shall be new pipe or used pipe that has been tested and drifted. The Contractor shall supply documentation for pipe that has been tested and drifted. The Division shall approve used pipe based on documentation and inspection of the pipe. The bottom joint shall be equipped with a drive shoe.

C. Installation and Execution: The Contractor shall propose the method for driving casing. Prior to execution, this method and a proposed depth shall be approved by the Division. Quantities listed are for estimating purposes only. All conductors shall be driven in place to refusal.

D. Measurement: Measurement for payment for the conductor work shall be made by actual field measurements of quantities satisfactorily installed and completed per linear foot of conductor set.

E. Payment: Payment for this item shall be made at the unit price per linear foot of **"Conductor Casing (10.75")"**.

SURFACE CASING (5.50")

A. Description: This item covers all labor, equipment, and material required to set the surface casing for the plugging of the orphan well.

B. Materials: The surface casing shall be a 5.50-inch diameter casing conforming to a 15.5 pound per foot STC (Short Thread and Coupling) or an approved equal material specifications. The Contractor shall supply the proper ranges and pup joints to complete the lengths required during installation.

Pipe shall be new pipe or used pipe that has been tested and drifted. The Contractor shall supply documentation for pipe that has been tested and drifted. The Division shall approve used pipe based on documentation and inspection of the pipe.

The casing will be equipped with a float shoe on the bottom joint. This shall be incidental to this line item.

C. Installation and Execution: The surface casing shall set to a depth as detailed in the **Plugging Plan** and **Quantity Sheet**. This quantity is for estimating purposes only. Prior to setting any surface casing, the Contractor shall review the plan with the Division. No surface casing shall be set without Division approval.

Drilling shall be completed with an appropriately sized drilling bit. All surface casing shall be drilled with freshwater and set in place. The Division shall not be responsible for additional materials if an alternative method or drill bit is proposed for use.

Centralizers shall be used when setting surface casing. At minimum, both the bottom and top joint of the surface casing shall be equipped with centralizers. The Division reserves the right to adjust centralizer locations and quantities as needed.

In the event that there is not a competent bottom to pump cement, the Contractor shall be required to provide and install a cement basket at the discretion of the Division. This shall be considered incidental to this line item.

D. Measurement: Measurement for payment for the surface casing work shall be made by actual field measurements of quantities satisfactorily installed and completed per linear foot of surface casing set.

E. Payment: Payment for this item shall be made at the unit price per linear foot of **"Surface Casing (5.50")"**.

WELL PREPARATION & PLUGGING

A. Description: This work consists of all labor, equipment, and material necessary to prepare the well for plugging and completing all required plugs. This shall include cleanout, drillout, and washover of the well bore to the total depth of the well based on the well description(s) and plugging plan(s), circulating the well bore prior to each plug, setting all required plugs, and verification of each plug depth.

B. Execution: The Contractor shall supply all equipment needed to complete the well preparation in an efficient manner that will be approved by the Division. This shall include but not be limited to the rig, drill pipe, collars, mud pump (See General Specifications, Part 13 for minimum requirements), circulating fluid, cementing equipment, mix water, and associated equipment.

Cable tool/spudding rigs shall not be permitted for use unless otherwise authorized by the Division as described under the General Conditions, Part 13 "Substitution During the Project".

Once well head control has been established, the Contractor will cleanout, drillout and/or washover and then circulate the well bore prior to setting any casing or well plugs. The Contractor shall be responsible for having a minimum of two (2) hole volumes of fluid available for circulation.

The Contractor shall identify the diameter of the well bore below the surface casing and cleanout or drillout with a full-size bit to total depth. **In addition to the full-sized bit, the Contractor shall also supply a bore brush and/or casing scraper at the appropriate size to fully clean out any casing remaining per the plugging plan.** In any case where an obstruction is encountered and total depth cannot be achieved, the Contractor shall immediately notify the Division. The Contractor shall propose a plan to assess the nature of the obstruction that shall be approved by the Division. Additional work associated with removal of the obstruction shall be described and paid for under the Contingency Specifications and as listed on the Quantity Sheet and agreed upon by the Division.

The Contractor shall trip out or up into the nearest competent cased string and secure all tools at the end of each workday or when work shall be paused for an extended time. Any tools left in the hole during such paused work shall be at the Contractor's own risk. Any tools or tubing that are lost due to the Contractor's failure to complete the task of tripping out during paused work times shall be at their own expense as well as any work required to then prepare the hole to continue the plugging process (this shall include but not be limited to shooting, fishing, over drilling, lost or damaged tools, etc.). The tripping out of the tools during paused work times shall be incidental to this line item.

Formations within the well bore known to be producing H_2S gas will not be circulated prior to setting a plug.

Prior to setting any plugs the Contractor shall remove all free crude oil by **circulating the wellbore two-hole volumes or until the well is static**; **a minimum of ten (10) barrels of gel is required to be run ahead of each cement plug that may come into contact with**

open hole formation at the discretion of the Division. A minimum of four (4) sacks of bentonite gel per ten (10) barrels of freshwater shall be required if requested. This work shall be considered incidental to this line item. No additional payment shall be made for circumstances where the Contractor does not have the appropriate material on location.

Lost Circulation Material (LCM) may be used to aid in obtaining circulation, as approved by the Division. **Lost Circulation Material (LCM) shall NOT be used when tubing smaller than 1.5 inch inside diameter will be utilized. Circulation must be established prior to conducting cementing procedures.** LCM shall be available at the site during the completion of this line item **"Well Preparation & Plugging."** The Contractor shall provide up to **five (5) sacks of LCM per well for use** (e.g. cotton seed hulls, bentonite gel/polymer, cellophane flake) incidental to this line item). Additional need for use of LCM shall be per the **"Lost Circulation Material"** specification included in the Contingency Specification.

The well shall be in a static condition prior to beginning any cementing activities.

The Contractor shall set all plugs as described in the **Plugging Plan** to the depths described with the materials described. This shall include setting the bottom plug, intermediate plugs, and the surface plug. All plugs shall be allowed to set for the periods described in the **Plugging Plan**.

The Contractor shall be required to tag all cement tops unless otherwise approved by the Division. Tagging with a sinker bar and depth meter is recommended. Confirmation of cement tops shall be considered incidental to this line item.

If a plug has dropped or is determined to not be a competent plug, then drill out of the plug or additional staged plugs may be required at the discretion of the Division as a part of this line item. The Division reserves the right to adjust the Plugging Plan during the plugging process based on site conditions.

C. Measurement: Measurement for payment shall be made by field inspection of units satisfactorily completed and accepted by the Division.

D. Payment: Payment for the above-described work, which includes all labor, materials, and equipment necessary for the well preparation and plugging, shall be made at the lump sum price for **"Well Preparation & Plugging."**

LOGGING

A. Description: This work consists of all labor, equipment, and material necessary to determine the total depth of the well and the casing, if a packer is present (along with its depth and thickness), determine bond quality behind the casing and the free point of the casing. The Log should also confirm zones of gas production and formation tops for cementing purposes.

Logs shall ONLY be ran at the discretion of the Division based on the conditions encountered regardless of the direction given in the Plugging Plan.

B. Execution: The Contractor shall complete the logging of the well bore, casing, tubing, packer, and/or cement to the depth of the existing well bore, casing, tubing, packer, and/or cement. The methods of logging to be used shall be as indicated on the individual plugging plan and may include but not be limited to **gamma ray (GR), casing collar locator (CCL), temperature, bond, and caliper log.** Prior to use, the Contractor shall propose the method of logging and shall be approved by the Division.

C. Measurement: Measurement for payment shall be made by field inspection of units satisfactorily completed and accepted by the Division. **A copy of the log shall be provided with the invoice as backup documentation.**

D. Payment: Payment for the above-described work, which includes all labor, materials, equipment necessary for the investigation of the well shall be included at the per unit price per each for **"Logging."**

TUBING

A. Description: This item covers all labor, equipment, and material required to supply tubing at the site for the purposes of placement of cement and spacers.

B. Materials: The Contractor shall supply a 1.5-inch inside diameter (ID) or larger tubing in a condition that will allow for the pumping of cement for the purposes of plugging the well. A mud anchor and/or perforations on the bottom joint of the tubing is recommended. Any issues caused due to running tubing open ended shall be the Contractor's responsibility.

For this project the Contractor shall supply up to 1,700 of 1.5-inch ID or larger tubing to all the project wells.

C. Installation: The Contractor will install and remove the tubing as necessary in order to complete the **Plugging Plan.** The Contractor shall maintain ownership at the conclusion of the project of all tubing that was brought to the site for these purposes.

D. Measurement: Measurement for payment of the above-described work shall be made by actual field measurements per linear foot of tubing delivered to the site.

Tubing shall be measured as one use for the duration of the project.

E. Payment: Payment for this item shall be made at the lump sum price for **"Tubing."**

APPROVED CEMENT

A. Description: This item shall cover all labor, materials, and equipment necessary to plug the well as specified in the **Plugging Plan**.

B. Materials: Cement materials shall be approved prior to placement. The cement must conform to the following options:

a. API Class "A"
b. API Class "L"
c. ASTM C150 Type 1
d. ASTM C595 Type 1L

(Note: These are the only material options that will be approved, any other materials may be submitted to the Division for review but will **not** be approved for this project).

The cement shall contain 2% Calcium Chloride, properly blended, **only if directed** by the Division in advance of placing the cement. **Coordinate with the Division prior to ordering cement.**

The cement shall not contain bentonite or extenders which delay set time or decrease the overall compressive strength unless otherwise noted.

Additives (e.g. cotton seed hulls, cellophane flake, etc.) used for the purposes of lost circulation zones shall be considered incidental to this line item.

Water used for cementing shall be free of any impurities that will adversely affect set time and compressive strength.

C. Installation: **The Contractor shall notify the Division at least 24 hours in advance of placing the cement, including notification of the type of cement being used for approval.**

Additional wait times may be required for the type of cement used. This wait time shall be incidental to this line item. Upon approval of the type of cement the Division shall inform the Contractor of the required wait times for each staged plug.

Preparation of the well bore, including the running of gel flush ahead, shall be completed per line item **"Well Preparation & Plugging"** prior to placement of the cement.

The cement slurry shall be mixed at the API recommendation, between 15.4 and 15.8 pounds per gallon.
The Cement shall be placed to the depths and intervals described in **Plugging Plan**.

It is the Contractor's responsibility to provide a mud scale for weighing the cement slurry.

When using API Class "L" cement or ASTM C595 Type 1L cement, all the following conditions apply:

• Mill test information must be provided to the applicable Division inspector prior to utilization of API Class L cement or ASTM C595 Type 1L cement. The mill test information must be a representative sample of the mixture of cement proposed to be used to plug the well. A person is not required to provide the mill test information if the Division already has the mill test information of the mixture of cement for a

batch.

• Performance data shall be provided in compliance with Ohio Administrative Code 1501:9-11-07 prior to usage. To determine if Ohio Administrative Code 1501:9-11-07 is met, test results shall include at a minimum slurry density, composition, compressive strength, free fluids, thickening time, curing pressure, and curing temperature. The data also shall include percent limestone and percent pozzolan material.

• For blended cement containing limestone and pozzolanic material, the combination of the materials shall not exceed fifty per cent by volume.

• A sample of at least 20lbs representative of the of cement mixture proposed to be used in a well must be provided to the Division at the request of the Division.

• A person using API Class L cement or ASTM C595 Type 1L cement shall leave the plugged well in a manner that will allow for further inspection past the contract requirement of three days after the completion of the uppermost plug unless the applicable Division inspector determines that the contract requirement of three days is sufficient.

D. Setting: Setting times shall be completed as described in the **Plugging Plan.** For the surface plug any void space between the top of the cement and the top of the casing shall be filled to achieve a level cement line with the top of the casing. This shall be done at no additional cost to the Division.

The cement must develop a minimum compressive strength of 500 PSI after 24 hours at well bore temperatures. The Division reserves the right to collect test cylinders throughout the duration of the cementing process.

E. Measurement: Measurement for payment shall be based on the actual quantity of sacks of cement acceptably placed and shall be verified with delivery tickets. A sack shall be considered 94 pounds prior to mixing.

F. Payment: The above-described work shall be paid for at the unit price per sack for **"Approved Cement."**

CEMENT MIXING & PUMPING

A. Description: This item shall cover all labor, materials, and equipment necessary to mix and pump cement as specified in the **Plugging Plan**.

B. Execution: Cementing equipment required on site to mix and pump casing cement and cement plugs shall be provided until each individual casing cementing or plug cementing is completed. This shall include but not be limited to pump truck, mud pump, and associated equipment.

C. Measurement: Measurement for payment shall be for each trip to the project site in order to complete the plug(s) as described in the **Plugging Plan**. Payment for staged plugs shall be measured as one unit.

D. Payment: Payment for the above-described work, which includes all labor, materials, equipment necessary for the mixing & pumping of cement into the well shall be made at the unit price per each for **"Cement Mixing & Pumping."**

SITE RESTORATION

A. Description: This work shall cover all operations incidental to the establishment of grasses within the areas disturbed by the Contractor, including the furnishing and sowing of seed; and furnishing and applying of mulch materials, all in accordance with these specifications. Additionally, this work shall include, but not be limited to, repair of grounds and vegetation, including landscaping amenities, ornamental shrubs and trees damaged in any manner during the work operations. All areas shall be properly graded to a smooth final grade with topsoil and blended into adjoining areas at the most moderate slope possible. Seedbed preparation through the use of scarifying equipment is also required. All site restoration work is to be completed within **fourteen (14) days** of the completion of the construction activities. The Contractor may request in writing to the Division an extension for site restoration. Requests shall only be granted based on season or weather conditions.

The area within the fields shall only use Temporary Ground Cover materials.

B. Materials: The materials to be used for restoration shall conform to the applicable requirements of these specifications.

1. Lime: Pelletized lime shall be applied at a maximum rate of 400 pounds per acre. Rates may be adjusted by the Division at the time of application.

2. Fertilizer: Fertilizer shall be commercial grade (19-19-19) and shall be applied at a rate up to a maximum of 20-lbs/1000 sq. ft. Rates may be adjusted by the Division at the time of application.

3. Seed: The varieties of grass seed to be furnished to the project shall bear a tag on each bag of each species showing the lot number, grower's name, percent of purity, percent of germination, and weed content. Tags shall be provided to the Division.
   All seeds shall be free from noxious weeds and under no condition shall the total weed content of any lot of seed or seed mixture exceed one-half of one percent by weight.

   No seed shall be utilized which has a mix date older than one year. The Division reserves the right to test, reject, or approve all seed after delivery to the project.

   Yard Seed: Yard seed shall be applied at a rate of 10 lbs/1000 sq. ft. and shall conform to the following seed mixture ratio:

   98/85 Kentucky Bluegrass 50%

Perennial Ryegrass	50%

All areas not designated as yard or farm field shall use the following seed mix and shall be sown at the indicated rate. This mixture is listed by recommended planting season and for existing site conditions, and/or intended use. Further information may be found in the Agronomy Guide, Bulletin 472, Cooperative Extension Service, The Ohio State University.

GENERAL SEED MIX	lbs/acre
Orchardgrass (Dactylis glomerata)	15.0
98/85 Kentucky Bluegrass	12.0
Timothy (Phleum pratense)	12.0
Birdsfoot Trefoil (Lotus sp.)	9.0
Red Clover (Trifolium pratense)	8.0
White Clover (Trifolium repens)	7.0
Annual Ryegrass (Lolium multiflorum)	8.5
Perennial Ryegrass (Lolium perenne)	3.5
Total lbs/acre	75

All areas designated as wetland shall use the following seed mix and shall be applied to the project area at a rate of ½ lb/1000 sq. ft.

WETLAND SEED MIX	% of total
CAREX vulpinoidea, PA Ecotype (Fox Sedge)	20.0%
ELYMUS virginicus, 'Madison' (Virginia Wildrye, 'Madison')20.0%	
CAREX scoparia, PA Ecotype (Blunt Broom Sedge)	18.0%
CAREX lurida, PA Ecotype (Lurid Sedge)	15.5%
PANICUM clandestinum, Tioga (Deertongue, Tioga)	15.0%
CAREX lupulina, PA Ecotype (Hop Sedge)	5.0%
JUNCUS effusus (Soft Rush)	3.0%
LEERSIA oryzoides, PA Ecotype (Rice Cutgrass)	2.0%
CAREX crinita, PA Ecotype (Fringed Sedge)	1.0%
Perennial Ryegrass (Lolium perenne)	0.5%
Total lbs/1000 sq. ft.	0.5

Other types of seed may be substituted if requested by the property owner(s). If such substitutions are made, they are to be made at no additional cost to the Division.

4. Mulching Material: All mulch material shall be free from mature seed-bearing stalks or roots or prohibited or noxious weeds. Any type of hay is not acceptable. Mulch shall include baled wheat straw or oat straw. It shall be dry and reasonably free of weeds, stalks, or other foreign material.

5. Temporary Ground Cover: All crop field areas shall be seeded with Cereal Rye at a rate of 150 lbs/acre. The seed shall be broadcast over the entire disturbed area as a temporary ground cover until the next growing season. Areas of Temporary Ground Cover shall not include lime, fertilizer, or mulching requirements.

   For all required materials listed above, the Division reserves the right to request receipts, material specifications and/or weight tickets for verification.

C. Installation:

1. Start of Work: Site restoration work shall begin as soon as possible after the completion of construction. Final site restoration operations shall be completed within fourteen (14) working days of the final construction activities. The Contractor may request in writing to the Division an extension for site restoration. Requests shall only be granted based on **season or weather conditions.**

3. Area Preparation of Soil: Spread and grade available topsoil uniformly over all disturbed areas. All areas to be seeded shall be loosened by discing, harrowing, or other approved methods immediately prior to seeding. The soil shall be loosened to a depth of approximately three inches.

   Hand raking shall be required in all areas where machines do not obtain the results desired by the Division.

   Following tilling of the soil, the seedbed shall be allowed to firm up.

   All final prepared surface(s) shall have a smooth final grade and be appropriate for a residential yard, free from rocks, large dirt clumps and any other foreign debris.

   Immediately following area preparation for seeding, materials shall be applied in the following order:

   - Lime, as applicable
   - Fertilizer, as applicable
   - Seed, after broadcasting or otherwise applying the seed, the surface of the seedbed shall be loosely disturbed by hand raking, dragging, and/or cultipacking.

   Lime, fertilizer and/or seed shall be sown by approved methods that provide for uniform distribution of the mixes as specified above.

3. Mulching: Apply the equivalent of 100 pounds per 1,000 square feet of clean straw mulch. Mulch shall not be applied in areas requiring Temporary Ground Cover.

   Apply mulch to the sown area within 24 hours of seeding at the rate per square feet as specified above and spread to a uniform depth.

   The straw shall be placed in a moist condition or shall be moistened immediately after placement.

4. Maintenance and Repairs: The Contractor shall, during construction and prior to acceptance, properly care for all areas mulched and perform all mulching operations necessary to provide protection and establish growth of the seeded areas. Mulch that becomes displaced shall be reapplied at once, together with any necessary reseeding, all at no expense to the Division.

No additional payment shall be made for acts of God, i.e. fire, flood, drought, etc.

D. Maintenance Period: The permanent planting of trees, shrubs, perennials, annuals, grasses and legumes, etc. shall be deemed to be acceptable if the species that were planted in accordance with the approved plans are established and maintained for one (1) "growing season" as defined below and meeting the following standards:

1. Growing Season: All landscaping shall be guaranteed for a period of one (1) summer growing season after planting. Planting material installed in the Fall shall be in full count and thrifty condition on the next succeeding September 15 at which time replacement shall be determined and scheduled for installation during the planting period of October 15 - December 1 of that same season. Planting material installed in the Spring shall be in full count and thrifty condition on the next succeeding May 15 at which time replacements shall be determined and scheduled for installation prior to June 1 of the same season. All plants installed in the summer shall be guaranteed for one (1) full summer and shall be in full count and thrifty condition the next succeeding September 15.

2. Acceptable Lawn/Turf Areas: A series of four (4) random line transects are to be laid out within the project boundaries. A string one hundred (100) feet long having one (1) foot graduation, shall be placed along the transect line. The person conducting the transect will then walk along the line counting only the markers which are in actual contact with the vegetation. The number of count points are to be recorded as subtotals. When the four transects are completed, the average of the four transects subtotals is then equal to the percent of vegetative cover for the project.

   a) Residential Lawns: At least one hundred percent (100%) of the land affected shall be judged to be of good quality, and "good" is defined as an area that has at least ninety percent (90%) cover.

      i. All land affected and having less than ninety percent (90%) cover shall be judged poor and deemed unacceptable; and

      ii. All areas judged to be good must have species diversity requirements of those recommended for planting.

   b) Farm & Field Turf: At least ninety percent (90%) of the land affected shall be judged to be of good quality, and "good" is defined as an area that has at least seventy-five percent (75%) cover.

      i. The remaining ten percent (10%) of the land affected shall be judged to be of fair quality, and "fair" is defined as an area that has at least fifty percent (50%) cover but less than seventy-five percent (75%) cover;

      ii. All land affected and having less than fifty percent (50%) cover shall be judged poor and deemed unacceptable; and

      iii. All areas judged to be good or fair must have species diversity requirements

of those recommended for planting.

E. Measurement: Measurement for payment of site restoration, which includes seedbed preparation, lime, fertilizer as applicable, seeding, mulching, and replacement of landscape amenities (i.e. shrubs, trees, etc.) shall be considered and measured as a unit satisfactorily completed and accepted by the Division.

F. Payment: Payment for this work, which includes seedbed preparation, liming, fertilizing, seeding, mulching, required replacement of all shrubs, trees and landscaping amenities, etc., and general cleanup shall be made at the lump sum price for **"Site Restoration."**

APPROVED RESOIL

A. Description: This work shall consist of furnishing all labor, material, and equipment necessary for the hauling, spreading, and grading of the resoil material for the replacement of the removed contaminated soils. This work shall also include shaping for positive drainage and matching the surrounding contours.

B. Material: Material shall be a good quality resoil and **not** include rocks, stones, and objectionable material over three (3) inches in any one dimension. All resoil that will compose the top eighteen (18) inches of resoil at the ground surface shall be topsoil. Topsoil shall be defined as during excavation having a brown matrix color, less than 50% clay content, and enough organic materials to be generally suitable for vegetative growth.

C. Installation: Care shall be taken to keep heavy equipment off the surface material after it has been spread. If the resoiling material becomes compacted, the Contractor shall disc the material to a depth of four (4) inches at the Contractor's expense.

D. Measurement: The material shall be measured for payment by the ton (2,000 pounds) for material acceptably placed in the work as determined by certified scale weight tickets.

All material wasted or used by the Contractor for other purposes and any material not placed in the work in accordance with the requirements of the work order and these specifications and drawings shall be measured and not included for payment by weight. A conversion factor of 1.3 tons per cubic yard of resoil shall be used if necessary.

E. Payment: Payment for this work shall be made at the unit price per ton for **"Approved Resoil."**

CONTAMINATED MATERIAL DISPOSAL

A. Description: This item shall consist of removing contaminated soil and cuttings from the site for off-site disposal. Soil and cuttings to be removed shall be at the discretion of the Division and shall be disposed of at an approved EPA licensed landfill as provided by the Contractor prior to removal from the site.

B. Material:

Contaminated Soils/Cuttings/Drill Fluids: Contaminated soils, cuttings and drill fluids are defined as soils, cuttings and materials in which oil, gas, condensate, brine, plugging products, or oil field waste substances have been released in or on the land and/or materials generated by the Contractor while working on the well.

Contaminated Soils: The Contractor will excavate and properly dispose of all soils from the location that are visibly impacted with oilfield contaminants. Areas to be excavated shall be at the discretion of the Division and/or as shown on the Drawing Plan Set.

Contaminated soils shall be loaded and hauled away as they are excavated.

Cuttings/Drill Fluids: Cuttings and drill fluids generated as part of the plugging process shall be temporarily stored onsite. The Division reserves the right to require removal of these materials at any time. The Contractor shall be aware at all times of capacity limitations. Should removal of materials be required, the Contractor shall be responsible for properly cleaning onsite tanks. Any downtime associated with the removal shall be done so at no additional expense to the Division.

The Contractor shall solidify any residual fluid associated with these materials with Portland Cement or by other means approved by the Division, prior to removal as a part of this line item. Prior to solidification of contaminated materials, the Contractor shall use due diligence to remove fluids from the contaminated materials. Fluids removed from the contaminated materials shall be disposed of per line item **"Fluid Disposal."**

Soils/material deemed "contaminated" as a result of Contractor negligence during the plugging process will be removed and disposed of at the Contractor's expense. Disposal procedures will conform to all requirements stated within this line item.

C. Off-Site Disposal: Material designated as "contaminated" shall be hauled to an appropriate licensed landfill. Copies of truck weight tickets from the landfills shall be furnished within 3 days of acceptance to the Division.
No additional compensation shall be made for onsite contaminated material storage. If materials remain onsite, proper containment shall be established meeting all requirements as described in line item **"Secondary Containment"** at no additional cost to the Division.

Onsite storage time shall not exceed 72 hours after plugging activities have been completed.

D. Measurement: Measurement for payment shall be verified based on quantities disposed of at the approved EPA licensed landfill. Documentation required shall include driver's haul tickets, certified scale tickets and a copy of the paid invoice from the landfill/waste facility (dollar amounts may be redacted from the invoice copy).

E. Payment: Payment shall be made at the unit price per ton for **"Contaminated Material Disposal."**

SALVAGE MATERIAL DISPOSAL

A. Description: This item shall consist of preparing, removing, and salvaging all materials from the site that have a salvage value as shown on the Drawing Plan Set or as required by the Division. All items to be salvaged shall include all surface equipment, well casing, and production equipment. Salvage items shall also include any hydrocarbon materials (oil, condensate, etc.) that have a marketable value. Salvage items shall be stored onsite within the construction project limits until removed for salvage.

B. Off-Site Disposal: Prior to removal from the site the Contractor shall supply in writing to the Division an inventory of all materials to be salvaged. On behalf of the Division, the Contractor shall salvage materials inventoried. Once materials have been salvaged the Contractor shall reimburse the Division for the salvage value per line item **"Salvage Material Reimbursement."**

At the request of the Division, surface equipment deemed as reusable shall be forfeited directly to the Division's onsite representative. This shall include but not be limited to swages, wellheads, fittings, appurtenances, etc. At no time shall salvageable material become property of the Contractor.

Prior to disposal of any salvage materials from the project site, **the Division will complete a radiological assessment** of salvage materials that have been provided on an inventory to the Division.

The Division shall be given a minimum of two (2) working days notice to complete the assessment. Salvage materials staged on the project site shall be staged on a pipe rack where determined applicable by the Division. Salvage materials shall be on an impervious liner that will collect any residual fluids or scale.

Any materials which exceed 50 micro- Roentgen per hour (μR/hr) or deemed by Division staff to be radioactive shall not be considered for "Salvage Material Disposal"; instead this material shall be considered "Radioactive Material Disposal" and be disposed of per ton at a negotiated change order rate agreed upon by the Division or at a rate originally agreed upon on the Offer Sheet.

Prior to disposal of any salvage materials the Contractor shall prepare, including cleaning, the salvage materials for lawful salvage.

All salvageable material shall be cleaned onsite. The final product shall be non-hazardous and, in a condition, to not cause offsite pollution/contamination during transport and/or disposal. Any downtime associated with proper decommissioning shall be considered incidental to this line item.

C. Execution: The Contractor shall include in this line item any expense incurred with the removal and the salvaging.

D. Measurement: Measurement for payment shall be made by field inspection of units satisfactorily completed and accepted by the Division.

E. Payment: Payment shall be made at the lump sum price for **"Salvage Material Disposal."**

FLUID DISPOSAL

A. Description: This item shall consist of removing and disposing of the fluid generated from the well plugging process. Fluids to be removed shall be at the discretion of the Division and shall be injected at an approved Class II disposal well as provided by the Contractor prior to removal from the site.

B. Material: Materials will be defined below as described for the purposes of this scope of work. Contaminated Fluids: Contaminated fluid will be considered as all fluids used in the circulation of the well bore, fluids utilized as a "kill" substance and/or fluids generated from the well. The Division reserves the right to deem a fluid "contaminated" at its discretion.

Contaminated fluids are further defined as water that contains quantifiable concentrations of oil, natural gas(es), condensate, brine, plugging products, or other oil field waste substances.

Freshwater: Water that has not been classified as contaminated fluid and has been stored in an uncontaminated container shall be visually inspected for oil sheen, and field tested for pH and chlorides. The chloride concentration shall be less than 250 mg/L and the pH shall be within a range of 6.5-8.5 standard units (SU). If water is deemed as freshwater based on these inspections and tests, the Contractor may discharge freshwater into or onto the land in an appropriate manner. Freshwater disposal shall not be paid for under this line item **"Fluid Disposal."**

C. Off-Site Disposal: Fluids designated as "contaminated" shall be hauled to an appropriate Class II disposal well. Proof of disposal from the disposal well shall be furnished within three (3) days of acceptance to the Division.
No additional compensation shall be made for onsite fluid storage. If contaminated fluids remain onsite, proper containment shall be established meeting all requirements as described in line item **"Secondary Containment"** at no additional cost to the Division. Onsite storage time shall not exceed 72 hours after plugging activities have been completed.

D. Measurement: Measurement for payment shall be verified based on documentation proof of a quantity of disposal from the disposal well utilized. Documentation required shall include driver's haul tickets, fluid disposal tickets and a copy of the invoice paid from the Class II disposal well (dollar amounts may be redacted from the invoice copy).

E. Payment: Payment shall be made at the unit price per barrel for **"Fluid Disposal."**

DETAILED SPECIFICATIONS

FIXED PRICE ITEMS

(Values set by the Division.)

SALVAGE MATERIAL REIMBURSEMENT

A. Description: This item shall consist of reimbursing the Division for all materials removed from the site for salvage including all surface equipment, well casing, tubing, production equipment, and marketable hydrocarbons.

B. Reimbursement: The Contractor shall supply salvage receipts to the Division for materials inventoried and removed from the site for salvage. The Division shall use these receipts as deduction of payment that will be represented on the Offer for this line item for this project.

C. Measurement: Measurement shall be made by salvage receipts amounts.

D. Payment: Deduction shall be entered as an amount for **"Salvage Material Reimbursement."**

CROP DAMAGE

A. Description: This work covers the payment to the owner of the crops on the property for the crop damage/lost yields required to complete the project. The owner of the crop may be the property owner or a tenant of the property owner, either way it must be verified with the landowner who the owner of the crop is prior to making the payment.

B. Execution: The contractor will verify with the property owner the owner of the crop on each property. The owner of the crop shall receive payment for the damages associated with plugging the wells. If it is verified that the crops are all the same owner, one payment for all the wells on that property may be paid to the owner of those crops.

The Contractor shall directly pay the owner of the crop. The Contractor shall pay the balance of money due to the crop owner prior to the request of final payment from the Division. Receipt of payment (i.e., landowner waiver) from the landowner shall be furnished to the Division. Final payment will not be made to the Contractor without receipt.

C. Measurement: Crop damage shall be measured on a per acre base. Areas for crop damage have been predetermined by the Division according to the construction work limits as shown on the Drawing Plan Set. Any crop damage that occurs outside of these limits shall be paid for by the Contractor.

D. Payment: Payment for this work as specified above shall be made based on the unit price per acre for **"Crop Damage."** For corn crops the damage shall be based on a prime farmland yield of 185 bushels per acre of corn crop at a market value of $5.00 per bushel or $925.00 per acre. For soybean crops the damage shall be based on a prime farmland yield of 53 bushels per acre of soybean crop at a market value of $13.00 per bushel or

$689.00 per acre. For wheat crops the damage shall be based on a prime farmland yield of 86 bushels per acre of wheat crop at a market value of $7.00 per bushel or $602.00 per acre. Other crops will be paid as determined by the Division. The value per acre is a set value not to be changed by the Contractor.

CONTINGENCY SPECIFICATIONS

CONTINGENCY SPECFICATIONS WILL ONLY BE DIRECTED VIA A FIELD ORDER FROM THE DIVISION. THE FIELD ORDER WILL DEFINE THE QUANTITY APPROVED. CONTINGENCY SPECIFICATION USE WILL BE DETERMINED BASED ON-SITE CONDITIONS THAT ARE DETERMINED BY THE DIVISION.

ADDITIONAL CIRCULATION FLUID

A. Description: This work shall consist of furnishing all labor, equipment, and material necessary to provide additional circulation fluid for the drilling and plugging process for the well.

B. Requirements: The Contractor shall receive prior approval from the Division before bringing additional circulation fluid onsite. The fluid type shall be as listed below and based on the requirements of the original plugging plan.

Freshwater: Freshwater brought to location shall be free of oil sheen, and field tested for pH and chlorides. The chloride concentration shall be less than 250 mg/L and the pH shall be within a range of 6.5-8.5 standard units (SU).

Brine: A mixture composed of water and dissolved salts at a required density defined in the Plugging plan. Prior to supplying additional brine to location for use as a circulation fluid, the Contractor shall confirm the required density.

Fluid type, characteristics and quantities shall be confirmed with the Division prior to bringing onsite.

C. Measurement: Measurement for payment for the above-described work shall be made by the actual quantity of barrels (bbls) used to successfully plug and/or drill the orphan as approved by the Division.

D. Payment: Payment for the above work shall be made at the unit price per barrel (bbls) for **"Additional Circulation Fluid (Freshwater)** and/or **Additional Circulation Fluid (Brine)."**

CONDUCTOR CASING (13.375")

A. Description: This item covers all labor, equipment, and material required to drive/set the conductor in order to begin the plugging procedure.

B. Materials: The conductor shall be a 13.375-inch diameter casing conforming to a 55 pound per foot minimum STC (Short Thread and Coupling) or an approved equal material specifications. The Contractor shall supply the proper ranges and pup joints to complete the lengths required during installation.

Pipe shall be new pipe or used pipe that has been tested and drifted. The Contractor shall supply documentation for pipe that has been tested and drifted. The Division shall approve used pipe based on documentation and inspection of the pipe. The bottom joint shall be equipped with a drive shoe.

C. Installation and Execution: The Contractor shall propose the method for driving casing. Prior to execution, this method and a proposed depth shall be approved by the Division. Quantities listed are for estimating purposes only. All conductors shall be driven in place to refusal.

D. Measurement: Measurement for payment for the conductor work shall be made by actual field measurements of quantities satisfactorily installed and completed per linear foot of conductor set.

E. Payment: Payment for this item shall be made at the unit price per linear foot of **"Conductor Casing (13.375")"**.

SURFACE CASING (4.50")

A. Description: This item covers all labor, equipment, and material required to set the surface casing for the plugging of the orphan well.

B. Materials: The surface casing shall be a 4.50-inch diameter casing conforming to a 11.6 pound per foot STC (Short Thread and Coupling) or an approved equal material specifications. The Contractor shall supply the proper ranges and pup joints to complete the lengths required during installation.

Pipe shall be new pipe or used pipe that has been tested and drifted. The Contractor shall supply documentation for pipe that has been tested and drifted. The Division shall approve used pipe based on documentation and inspection of the pipe.

The casing will be equipped with a float shoe on the bottom joint. This shall be incidental to this line item.

C. Installation and Execution: The surface casing shall set to a depth as detailed in the **Plugging Plan** and **Quantity Sheet**. This quantity is for estimating purposes only. Prior to setting any surface casing, the Contractor shall review the plan with the Division. No surface casing shall be set without Division approval.

Drilling shall be completed with an appropriately sized drilling bit. All surface casing shall be drilled with freshwater and set in place. The Division shall not be responsible for additional materials if an alternative method or drill bit is proposed for use.

Centralizers shall be used when setting surface casing. At minimum, both the bottom and top joint of the surface casing shall be equipped with centralizers. The Division reserves the right to adjust centralizer locations and quantities as needed.

In the event that there is not a competent bottom to pump cement, the Contractor shall be required to provide and install a cement basket at the discretion of the Division. This shall be considered incidental to this line item.

D. Measurement: Measurement for payment for the surface casing work shall be made by actual field measurements of quantities satisfactorily installed and completed per linear foot of surface casing set.

E. Payment: Payment for this item shall be made at the unit price per linear foot of **"Surface Casing (4.50")"**.

DOWNHOLE VIDEOGRAPHY

A. Description: This work consists of all labor, equipment, and material necessary to video record the well bore to assess the well bore obstruction.

B. Execution: The Contractor shall supply all equipment needed and complete the videography recording of the well bore to the depth of the current obstruction. The Contractor shall supply the Division with an electronic copy of the videography recorded in a format viewable in readily available current software.

The Division is not obligated to provide camera services to the Contractor. At no point shall the Division be responsible for delays associated with availability of camera runs.

C. Measurement: Measurement for payment shall be made by the delivery of an acceptable video and photos to the Division of the current obstruction. Measurement shall be per obstruction, not per video or photo.

D. Payment: Payment for the above-described work, which includes all labor, materials, equipment necessary for the video recording of the current obstruction made at the per unit price per each for **"Downhole Videography"**.

FISHING

A. Description: This work consists of all labor, equipment, and material necessary to remove and/or clear the well bore as needed to reach total depth by the means of fishing the obstruction in the well bore.

B. Execution: The Contractor shall supply the equipment needed to complete the fishing in an efficient manner that will be approved by the Division. This shall include but not be limited to the rig, impression blocks, and associated equipment. **This shall not include the fishing tools required to complete this work. The Division will develop a negotiated change**

order to deliver and use the appropriate fishing tools required based on the unforeseen conditions. Appropriate fishing tools shall be provided for the circumstances encountered.

C. Measurement: Measurement for payment shall be made by field inspection of the actual quantity of hours in which the drilling rig and other fishing equipment were diligently operating in a manner to remove the obstruction.

D. Payment: Payment for the above-described work, which includes all labor, materials, and equipment necessary for the obstruction removal, shall be made at the unit price per hour for **"Fishing"**.

MILLING/DRILLOUT

A. Description: This work consists of all labor, equipment, and material necessary to remove an obstruction from inside the wellbore or casing as needed to reach a required depth by means of milling/drilling.

This work may include removing metal, cement, grout, wood plugs, failed cement plugs and/or other materials in which typical cleanout operations failed to remove.

B. Execution: The Contractor shall supply the equipment needed to complete the work in an efficient manner that will be approved by the Division. This shall include but not be limited to the rig, a mud pump, power swivel/power sub, drill string (including collars and casing or tubing) and associated equipment.

This shall not include the bits required to complete this work. The Division will develop a negotiated change order to deliver and use the appropriate bit(s) required based on the unforeseen conditions. Bit types shall be based on the type of material encountered. Bits shall be factory made unless otherwise approved in writing by the Division.

C. Measurement: Measurement for payment shall be made by field inspection of the actual quantity of hours in which the drilling rig and equipment were diligently operating in a manner to remove the obstruction.

D. Payment: Payment for the above-described work, which includes all labor, materials, equipment necessary for the obstruction removal shall be made at the unit price per hour for **"Milling/Drillout"**.

MAGNET

A. Description: This work consists of all labor, equipment, and material necessary to supply a magnet and the required subs as the fishing tool.

B. Execution: The Contractor shall supply all equipment needed for a magnet fishing tool to

be used for fishing out the well bore to the depth of the current obstruction and extracting it. This shall include but not be limited to the rig, subs, and associated equipment. Appropriate tools shall be provided for the circumstances encountered. The work to complete the fishing shall be per line item **"Fishing"**.

C. Measurement: Measurement for payment shall be made by the delivery of the magnet to extract the obstruction as satisfactorily completed and accepted by the Division.

D. Payment: Payment for the above-described work, which includes all labor, materials, and equipment necessary to supply the magnet to extract the obstruction, shall be made at the per unit price per each for **"Magnet"**.

SHOOTING

A. Description: This work consists of all labor, equipment, and material necessary to sever/shoot a casing or tubing at a determined depth for the purpose of removing the casing or tubing string by the means of shooting.

B. Execution: The Contractor shall complete the shooting of the casing or tubing at a depth approved by the Division. This work shall include logging the well with a standard logging suite at the discretion of the Division to locate free point of casing or tubing in the well.

The Contractor shall propose the material and method for shooting of the casing or tubing, which shall be approved by the Division.

C. Measurement: Measurement for payment shall be made by field inspection of units satisfactorily completed and accepted by the Division. **A copy of the log shall be provided with the invoice as backup documentation.**

D. Payment: Payment for the above-described work, which includes all labor, materials, equipment necessary for the shooting the casing or tubing made at the unit price per each for **"Shooting"**.

PERFORATING

A. Description: This work consists of all labor, equipment, and material necessary to perforate a casing or tubing at a determined depth for the purpose of squeezing cement outside the casing or tubing string.

B. Execution: The Contractor shall complete the perforating of the casing or tubing at a depth approved by the Division. This work shall include logging the well with a standard logging suite at the discretion of the Division to identify perforation interval(s).

The Contractor shall propose the material and method for perforating the casing or tubing and shall be approved by the Division. **Each unit for perforating shall include two (2) shots with ten (10) perforations per shot, for a total of 20 perforations.**

C. Measurement: Measurement for payment shall be made by field inspection of units satisfactorily completed and accepted by the Division. **A copy of the log shall be provided with the invoice as backup documentation.**

D. Payment: Payment for the above-described work, which includes all labor, materials, and equipment necessary for the perforating the casing or tubing made at the unit price per each for **"Perforating."**

NINE SACK GROUT

A. Description: This work shall include furnishing all labor, materials, equipment, and supplies necessary to plug the well as specified in the **Plugging Plan**.

B. Materials: Nine Sack Grout shall consist of the following materials and requirements:

Constituent	SSD Weight (lbs.)	Volume ($ft.^3$)
Cement Type I-II	846.00	4.30
Sand	2550.00	15.54
Water	417.00	6.68

(SSD means saturated surface dry)

1. Cement Type I-II: Cement shall conform to ODOT CMS Item 701.02 and 701.04.

2. Sand: Sand shall be in accordance with ASTM C150.

3. Water: Water shall be in accordance with ASTM C1602.

The grout shall contain a maximum of 1% entrapped air.

Grout shall have a water to cement ratio (W/C) equal to 0.50 and an overall unit weight of 142.30 pounds per cubic foot.
Slump tests may be done at the discretion of the Division. Slump requirements shall be determined in the field at the time of construction.

The Division has accounted for excess materials due to loss in the wellbore in the quantities on the **Quantity Sheet**.

C. Installation: **The Contractor shall notify the Division at least 24 hours in advance of placing grout.** The surface plug shall be grouted to the depth described in the **Plugging Plan**.

Well preparation and circulation shall be achieved as detailed in the **"Well Preparation & Plugging"** line item and the **Plugging Plan**.

D. Setting: Setting times shall be completed as described in the **Plugging Plan.** For the casing any void space between the top of the grout and the top of the casing shall be filled to achieve a level grout line with the top of the casing. This shall be done at no additional cost to the

Division.

E. Measurement: Measurement for payment for the above-described work shall be based upon material quantities satisfactorily installed as well as delivery tickets furnished to the Division.

F. Payment: Payment for all the above-described work shall be made at the unit price per cubic yard for **"Nine Sack Grout."**

HYDROGEN SULFIDE SCAVENGER

A. Description: The work covered by this section shall consist of furnishing all labor, equipment, and material necessary to provide and use a hydrogen sulfide scavenger for the drilling and plugging process of the well.

B. Materials: The Contractor shall provide Sulfa-Clear or an approved equal. The Sulfa-Clear shall be applied at a rate to eliminate the presence of Hydrogen Sulfide (H_2S) at the surface and shall not be less than seven (7) percent concentration with the applicable well bore fluid.

C. Execution: The Contractor shall be prepared to apply the hydrogen sulfide scavenger at any time during the drilling and plugging operation. When Hydrogen Sulfide (H_2S) is encountered the Contractor shall apply the hydrogen sulfide scavenger. If the hydrogen sulfide scavenger is applied during drilling operations the Contractor shall continue to monitor the presence of H_2S and apply additional hydrogen sulfide scavenger as needed in order to complete the plugging.

Once total depth has been reached an additional batch of hydrogen sulfide scavenger will be applied to the total depth of the well bore prior to setting of any plugs. Once this total depth application has been applied the Contractor shall wait a minimum of 24 hours to commence work on the well bore.

D. Measurement: Measurement for payment for the above-described work shall be made by the actual quantity of gallons of hydrogen sulfide scavenger used to successfully plug and/or drill the orphan well.

E. Payment: Payment for the above work shall be made at the unit price per gallon for **"Hydrogen Sulfide Scavenger"**.

H2S SAFETY TEAM

A. Description: The work will include the installation and implementation of safety procedures for the plugging of the orphan well as described herein that wells in the area have been known to produce bacterial H_2S. **Per 29 CFR 1910.1000, Air Contaminants, Table Z-2 the permissible exposure limits (PEL) ceiling standard for H_2S is 20 ppm.** This shall also include any labor, equipment, materials, and time needed to implement these safety procedures. The H_2S safety team shall be qualified employees of the Contractor or subcontractors including no less than two employees available for 24/7 coverage of the

monitoring equipment. The personnel shall be available for no more than 12-hour shifts (Shifts include active and on call service) and shall be on site while work is being completed.

B. Execution: The Contractor must provide the appropriate equipment, on-site, to properly detect and abate any H_2S emitted from the well. All personnel on location must have and wear H_2S monitor and/or 4-gas monitor. If permissible exposure limits (PEL) are exceeded, the Contractor will be required to have an H_2S safety team on site until the geological zone of interest is covered with cement and no further H_2S issues are at the surface while the well is vented for a minimum of 8 hours. The H_2S safety team may be released at this point, but personal monitors and the rig monitor are still required. The safety team shall be called back as needed.

Once the contractor is on site and well is ready to be opened or detection of permissible exposure limits (PEL) are exceeded, the Contractor will not continue plugging operations until the safety team has developed and implemented a H_2S safety plan that is compliant with Occupational Safety and Health Administration (OSHA) and The National Institute for Occupational Safety and Health (NIOSH) regulations. The plan shall be approved by the Division.

Along with any other measures required to be compliant with regulations and to implement the approved H_2S safety plan, the Safety Team at minimum shall supply, train, and utilize the following:

1. Supply & use exhaust and ventilation systems,
2. Train and educate workers about hazards and controls,
3. Test (monitor) the air 24/7 with the ability to receive real-time notifications of site conditions through email, website, and phone/text alerts to receive real-time alerting of events and alarms,
4. Establish, train, and use proper rescue and first aid procedures,
5. Supply, train, and use respiratory and other personal protective equipment, &
6. Establish, train, and implement an H_2S Emergency Response Plan for the site including Emergency Medical Technicians (EMTs) ready to respond to the 24/7 monitoring unless otherwise contacted by the Safety Team.

For days that the site is idle for weekends, holidays, or any other day that the Division agrees work cannot take place, the H2S Safety Team shall be on standby and the cost associated with those days shall be paid at the unit price per day for **"H2S Safety Team Standby"**. Any days that work could have been completed and was not due to the Contractor shall be at the Contractor's expense.

C. Measurement: Measurement for payment will be considered and measured as a unit satisfactorily completed and accepted by the Division.

D. Payment: Payment for this work, including labor, equipment, materials, and time shall be made at the unit price per day for **"H2S Safety Team" or "H2S Safety Team Standby".**

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Multiple Orphan Well Sites
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX I – OHIO ONE-CALL

THE FOLLOWING ARE REPORTABLE INCIDENTS: *(OAC 1501:9-8-02)*		
TYPE OF INCIDENT (All Incident types associated with production operation or other activity regulated under Chapter 1509)	**QUANTITY** **(GAL, BBL,PPM)** **NOTE: 1 Barrel = 42 US Gallons**	**ADDITIONAL FACTORS**
Release of Gas	Any amount	Resulting from a Blow out; **OR** Uncontrolled Pop-off Valve (in Urban Area); **OR** Any gas release that is a threat to public safety
Release of Hydrogen Sulfide(H_2S) Gas (within the Working Area)	Exceeding **20 ppm** (Sustained airborne concentration); For duration > 10 min	**OR** any H_2S release resulting in injury or death of person
Fire / Explosion	N/A	In which a reporting person has called an emergency responder (9-1-1 or Fire Dept)
Release of Oil, Condensate, or Materials Saturated with Oil or Condensate	> 210 US gallons in any 24-hr period (Estimated)	**AND** the release is OUTSIDE secondary containment & into the environment
Release of Oil, Condensate, or Materials Saturated with Oil or Condensate	> 25 US gallons in any 24-hr period (Estimated); **AND** the release is outside secondary containment and into the environment	In an urban area; **OR** In an Emergency Management Zone of a surface water public drinking supply; **OR** In a 5-year time of travel with a groundwater-based public drinking supply; **OR** In a 100-year flood hazard area as delineated on the federal emergency management agency's (FEMA) national flood insurance rate map
Release of Refined Oil Products *(**EX:** oil-based drilling fluid, petroleum distillate, spent or unused paraffin solvent, gasoline, fuel oil, diesel fuel, or lubricants)*	> 25 US gallons in any 24-hr period	**AND** the release is OUTSIDE secondary containment & into the environment
Release of Oil, Condensate, or Materials Saturated with Oil or Condensate; OR Refined Oil Products	Any amount	That enters waters of the state in an amount that causes a film or sheen on the surface of the water
Release of Brine or Semi-Solid Waste *(EX: drilling mud, sludge, or tank bottom sediments)*	> 42 US gallons in any 24-hr period	**AND** the release is OUTSIDE secondary containment & into the environment
	> 42 US gallons	**AND** is operated by a person to whom a registration certificate has been issued (ORC 1509.222), or to whom a resolution has been issued (ORC 1509.226)

Release of Brine from a Vehicle, Vessel, Railcar, or Container		**AND** enters the environment
Release of Hazardous Substance (HS) / Extremely Hazardous Substance (EHS); OR Mixture or Solution including a HS or EHS	An amount Equal to or > than applicable reportable quantities listed in 40CFR tables; in any 24-hr period If the amount of one or more HS or EHS released is in an **unknown** mixture or solution, notify when the total amount of the mixture or solution released is equal to or > than the reportable quantity for the HS or EHS with the **lowest** reportable quantity	**List available at:** http://oilandgas.ohiodnr.gov/portals/oilgas/pdf/emergency/list_of_lists.pdf *Code of Federal Regulations (C.F.R.) References:* HS- *Appendix A 40 CFR Part 302.4* EHS- *Appendix A 40 CFR Part 355*

THE FOLLOWING ARE NOT REPORTABLE INCIDENTS: *(OAC 1501:9-8-02 (A)(7))*

1. Controlled flaring or controlled burns authorized under Chapter 1509. of the Revised Code or under 1501:9 of the Administrative Code or authorized by the terms and conditions of a permit issued under Chapter 1509. of the Revised Code;
2. Properly functioning emission control devices authorized pursuant to Revised Code Section 3704.03;
3. Subsurface detonation of perforation-guns;
4. Seismic shots;
5. Controlled blasting for well site construction

Date Last Edited & Printed: 9/27/2018

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
B. Bryenton 1 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

B. Bryenton 1
API: 34-147-6-1101-00-00
Pleasant Township, Seneca County



Photograph # 1:
B. Bryenton 1



Photograph # 2:
B. Bryenton 1

APPENDIX II: Off-Set Well Card

Mildred D. Haugh 1-30
API: 34-147-2-0210-00-00
Pleasant Township, Seneca County

SCHL:GR,Cal,D,S,L,I,N,SP OHIO DIVISION OF GEOLOGICAL SURVEY S# 3530 20210 Permit No. 210
Permit Issued 11-15-78
County SENECA Township PLEASANT Quadrangle Tiffin N
Section 30 Lot Tract Twp. Quarter
Measured 560' SL & 330' WL of SE¼ Sec. 30
Black river - Strat. - R.T.
Land Owner Mildred D. Haugh Well No. 1-30 Date Commenced 1-26-79
Operator Mobil Oil Corp. Well No. Date Completed (1-30-79 2-10-79
Elevation Bar 720.4' 729.4'KB Total Depth 1625' Plugged Back
Formation Dld. To Black river Prod. Form. Prod. Nat.
I.P. D & A
Init. Rock Press.
Casing Record (13" 31', 8" 583') 13 3/8" 23', 8 5/8" 578' Abandoned 2-1-79

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
PLUGGING REPORT 5-24-79				X= 1,813,800			
Big Lime	31	356		Y= 553,450			
Clinton sand	480			Utica	1062	1431	
Medina Fm	485			Trenton	1431	1533	
Trenton	1432	1518		Black river	1533	1625	TD
Black river	1518	1625	TD				
COMPLETION 7-18-79							
Glacial drift	0	30					
Niagarian	30	355					
Clinton	355	448					
Brassfield	448	484					
Queenston	484	1062					

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
B. Bryenton 2 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

B. Bryenton 2
API: 34-147-6-0915-00-00
Pleasant Township, Seneca County



Photograph # 1:
B. Bryenton 2



Photograph # 2:
B. Bryenton 2

APPENDIX II: Off-Set Well Card

Mildred D. Haugh 1-30
API: 34-147-2-0210-00-00
Pleasant Township, Seneca County

SCHL:GR,Cal,D,S,L,I,N,SP OHIO DIVISION OF GEOLOGICAL SURVEY S# 3530 20210 Permit No. 210

Permit Issued 11-15-78

County SENECA Township PLEASANT Quadrangle Tiffin N

Section 30 Lot Tract Twp. Quarter

Measured 560' SL & 330' WL of SE¼ Sec. 30

Black river - Strat. - R.T.

Land Owner Mildred D. Haugh Well No. 1-30 Date Commenced 1-26-79

Operator Mobil Oil Corp. Well No. Date Completed (1-30-79 2-10-79

Elevation Bar 720.4' 729.4'KB Total Depth 1625' Plugged Back

Formation Drld. To Black river Prod. Form. Prod. Nat.

I.P. D & A

Init. Rock Press.

Casing Record (13" 31', 8" 583') 13 3/8" 23', 8 5/8" 578' Abandoned 2-1-79

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
PLUGGING REPORT 5-24-79				X= 1,813,800			
Big Lime	31	356		Y= 553,450			
Clinton sand	480			Utica	1062	1431	
Medina Fm	485			Trenton	1431	1533	
Trenton	1432	1518		Black river	1533	1625	TD
Black river	1518	1625	TD				
COMPLETION 7-18-79							
Glacial drift	0	30					
Niagarian	30	355					
Clinton	355	448					
Brassfield	448	484					
Queenston	484	1062					

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Bosler 1 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Bosler 1
API: 34-147-6-1097-00-00
Hopewell Township, Seneca County



Photograph # 1:
Bosler 1



Photograph # 2:
Bosler 1

APPENDIX II: Off-Set Well Card

Ewald 1
API: 34-147-2-0016-00-00
Hopewell Township, Seneca County

8151

GEOLOGICAL SURVEY OF OHIO

16 20016

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Hopewell Quadrangle
Lot Quarter Tract Section 1 NW NE SW
Measured 1000 Feet From N Line And 1880 Feet From E Line Of NE COR
no located
Land Owner Ewald Well No. 1 Date Started Aug 12 1937
Operator A. J. West Well No. Date Completed Sept. 24 1937
Elevation Bar. 727 T. S. L. Total Depth 1639' Plugged Back
Formation Drilled To Producing Form Init. Prod. Nat. dry
Shot or Acid Record 9-17-37:100 qts.:9-23-37:80 qts. Prod. A. S. or Acid
Init. Rock Press. Abandoned
Casing Record 8"-42': 6¼"-432'

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Break		386					
Clinton lime		432					
Red rock		517					
Blue shale		580					
Brown shale		1150					
Trenton rock	1475	1639					
T. D.		1639					

APPENDIX II: Well Pictures

Bosler 1 Water Well
API: N/A
Hopewell Township, Seneca County



Photograph # 1:
Bosler 1 Water Well

APPENDIX II: Off-Set Well Card

Ewald 1
API: 34-147-2-0016-00-00
Hopewell Township, Seneca County

8151

GEOLOGICAL SURVEY OF OHIO

16 20016

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Hopewell Quadrangle
Lot Quarter Tract Section 1 NW NE SW
Measured 1000 Feet From N Line And 1880 Feet From E Line Of NE COR
no located
Land Owner Ewald Well No. 1 Date Started Aug 12 1937
Operator A. J. West Well No. Date Completed Sept. 24 1937
Elevation Bar. 727 T. S. L. Total Depth 1639' Plugged Back
Formation Drilled To Producing Form Init. Prod. Nat. dry
Shot or Acid Record 9-17-37:100 qts.:9-23-37:80 qts. Prod. A. S. or Acid
Init. Rock Press. Abandoned
Casing Record 8"-42': 6¼"-432'

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Break		386					
Clinton lime		432					
Red rock		517					
Blue shale		580					
Brown shale		1150					
Trenton rock	1475	1639					
T. D.		1639					

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Burks 1 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Burks 1
API: 34-147-6-0805-00-00
Liberty Township, Seneca County



Photograph # 1:
Burks 1



Photograph # 2:
Burks 1

APPENDIX II: Off-Set Well Card

Saul Milo 1
API: 34-147-6-1037-00-00
Liberty Township, Seneca County

GEOLOGICAL SURVEY OF OHIO (4627) — 61037

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Liberty Quadrangle
Lot Quarter Tract Section 36 NW NE SW
Measured 960 Feet From E Line And 2730 Feet From N Line Of NW/NW/NE
Land Owner Milo Saul Well No. 1 Date Started
Operator T. F. O'Brien Well No. Date Completed Oct. 14, 1928
Elevation Bar. 718 S. L. Total Depth 1658 Plugged Back
Formation Drilled To Trenton Producing Form. Init. Prod. Nat Gas, 2,700,000
Shot or Acid Record Prod. A. S. or Acid Oil, 60 bbls. later
Init. Rock Press. Abandoned

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Clinton	387						
Trenton	1409	1659					
1" gas	1454						
2" gas	1504						
3" gas	1629						
Total		1658					

Offset Well Card
J Saull 1
API: 34-147-2-0268-00-00
Liberty Township, Seneca County

Schl:GRN,Cal,D,L,FIL,BHC

OHIO DIVISION OF GEOLOGICAL SURVEY 20268

Permit No. 268
Permit Issued 3-19-81
County SENECA Township LIBERTY Quadrangle Tiffin N.
Section 36 Lot Tract Twp. Quarter
Measured 900' NL & 1000' EL of Sec. 36
80 Acres "Trempealeau" - Pool- R.T.
Land Owner J. Saull Well No. 1 Date Commenced 7-7-81
Operator A-S Energy, Inc. Well No. Date Completed 7-10-81
Elevation Bar 720' (2)79'DF 730'KB Total Depth 1735' Plugged Back
Formation Drld. To Black river Prod. Form. Trenton Prod. Nat.
I.P. A.F. 1.5MCFG & 1BO
Init. Rock Press. 30BW
Casing Record 8 5/8" 370' 250sks, 4½" 1719' 170sks Abandoned (8-14-81)10-25-93

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
COMPLETION 4-14-82				X=1,809,600			
Little lime	3	300		Y= 551,900			
Packer shell	300	395					
Clinton	395	478		PLUGGING REPORT 10-26-94			
Shale	478	1422					
Trenton lime	1422	1584	s/gas 1418'				
Black river	1584	1735	s/gas & oil 1664'				
		1735	DTD				
PLUGGING REPORT 7-6-82							

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Saul Milo 2 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Saul Milo 2
API: 34-147-6-1038-00-00
Liberty Township, Seneca County



Photograph # 1:
Saul Milo 2



Photograph # 2:
Saul Milo 2

APPENDIX II: Well Card

Saul Milo 2
API: 34-147-6-1038-00-00
Liberty Township, Seneca County

GEOLOGICAL SURVEY OF OHIO (4626) — 61038

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Liberty Quadrangle
Lot Quarter Tract Section 36 NW NE SW
Measured S.0. Feet From E. Line And 1200 Feet From S. Line Of NE
Land Owner Milo Saul Well No 2 Date Started
Operator T. F. O'Brien Well No. Date Completed 1-2-29
Elevation Bar. 720 S. L. Total Depth 1489 Plugged Back
Formation Drilled To Trenton Producing Form. Init. Prod. Nat. Gas, 1, 700, 000
Shot or Acid Record Oil 10 bbls. Qts. Prod. A. S. or Acid
Init. Rock Press. Abandoned

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Clinton gas at	281						
Trenton	1416						
1" gas at	1441						
2" gas at	1461						
3" gas at	1483						
Total		1484					

Offset Well Card
J Saull 1
API: 34-147-2-0268-00-00
Liberty Township, Seneca County

Schl:GRN,Cal,D,L,FIL,BHC

OHIO DIVISION OF GEOLOGICAL SURVEY 20268

Permit No. 268
Permit Issued 3-19-81
County SENECA Township LIBERTY Quadrangle Tiffin N.
Section 36 Lot Tract Twp. Quarter
Measured 900' NL & 1000' EL of Sec. 36
80 Acres "Trempealeau" - Pool- R.T.
Land Owner J. Saull Well No. 1 Date Commenced 7-7-81
Operator A-S Energy, Inc. Well No. Date Completed 7-10-81
Elevation Bar 720' (2)79'DF 730'KB Total Depth 1735' Plugged Back
Formation Drld. To Black river Prod. Form. Trenton Prod. Nat.
I.P. A.F. 1.5MCFG & 1BO
Init. Rock Press. 30BW
Casing Record 8 5/8" 370' 250sks, 4½" 1719' 170sks Abandoned (8-14-81)10-25-93

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
COMPLETION 4-14-82				X=1,809,600			
Little lime	3	300		Y= 551,900			
Packer shell	300	395					
Clinton	395	478		PLUGGING REPORT 10-26-94			
Shale	478	1422					
Trenton lime	1422	1584	s/gas 1418'				
Black river	1584	1735	s/gas & oil 1664'				
		1735	DTD				
PLUGGING REPORT 7-6-82							

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Carrigan John 1 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Carrigan John 1
API: 34-147-6-1100-00-00
Pleasant Township, Seneca County



Photograph # 1:
Carrigan John 1



Photograph # 2:
Carrigan John 1

APPENDIX II: Off-Set Well Card

Saul Milo 1
API: 34-147-6-1037-00-00
Liberty Township, Seneca County

GEOLOGICAL SURVEY OF OHIO (4627) — 61037

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Liberty Quadrangle
Lot Quarter Tract Section 36 NW NE SW
Measured 960 Feet From E Line And 2730 Feet From N Line Of NW/NW/NE
Land Owner Milo Saul Well No. 1 Date Started
Operator T. F. O'Brien Well No. Date Completed Oct. 14, 1928
Elevation Bar. 718 S. L. Total Depth 1658 Plugged Back
Formation Drilled To Trenton Producing Form. Init. Prod. Nat Gas, 2,700,000
Shot or Acid Record Prod. A. S. or Acid Oil, 60 bbls. later
Init. Rock Press. Abandoned

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Clinton	387						
Trenton	1409	1659					
1" gas	1454						
2" gas	1504						
3" gas	1629						
Total		1658					

Offset Well Card
J Saull 1
API: 34-147-2-0268-00-00
Liberty Township, Seneca County

Schl:GRN,Cal,D,L,FIL,BHC

OHIO DIVISION OF GEOLOGICAL SURVEY 20268

Permit No. 268
Permit Issued 3-19-81
County SENECA Township LIBERTY Quadrangle Tiffin N.
Section 36 Lot Tract Twp. Quarter
Measured 900' NL & 1000' EL of Sec. 36
80 Acres "Trempealeau" - Pool- R.T.
Land Owner J. Saull Well No. 1 Date Commenced 7-7-81
Operator A-S Energy, Inc. Well No. Date Completed 7-10-81
Elevation Bar 720' (2)79'DF 730'KB Total Depth 1735' Plugged Back
Formation Drld. To Black river Prod. Form. Trenton Prod. Nat.
I.P. A.F. 1.5MCFG & 1BO
Init. Rock Press. 30BW
Casing Record 8 5/8" 370' 250sks, 4½" 1719' 170sks Abandoned (8-14-81)10-25-93

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
COMPLETION 4-14-82				X=1,809,600			
Little lime	3	300		Y= 551,900			
Packer shell	300	395					
Clinton	395	478		PLUGGING REPORT 10-26-94			
Shale	478	1422					
Trenton lime	1422	1584	s/gas 1418'				
Black river	1584	1735	s/gas & oil 1664'				
		1735	DTD				
PLUGGING REPORT 7-6-82							

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Eugene Smith 1 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Eugene Smith 1
API: 34-147-6-0829-00-00
Liberty Township, Seneca County



Photograph # 1:
Eugene Smith 1



Photograph # 2:
Eugene Smith 1

APPENDIX II: Off-Set Well Card

Saul Milo 1
API: 34-147-6-1037-00-00
Liberty Township, Seneca County

GEOLOGICAL SURVEY OF OHIO (4627) — 61037

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Liberty Quadrangle
Lot Quarter Tract Section 36 NW NE SW
Measured 960 Feet From E Line And 2730 Feet From N Line Of NW/NW/NE
Land Owner Milo Saul Well No. 1 Date Started
Operator T. F. O'Brien Well No. Date Completed Oct. 14, 1928
Elevation Bar. 718 S. L. Total Depth 1658 Plugged Back
Formation Drilled To Trenton Producing Form. Init. Prod. Nat. Gas, 2,700,000
Shot or Acid Record Prod. A. S. or Acid Oil, 60 bbls. later
Init. Rock Press. Abandoned

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Clinton	387						
Trenton	1409	1659					
1" gas	1454						
2" gas	1504						
3" gas	1629						
Total		1658					

Offset Well Card
J Saull 1
API: 34-147-2-0268-00-00
Liberty Township, Seneca County

Schl:GRN,Cal,D,L,FIL,BHC

OHIO DIVISION OF GEOLOGICAL SURVEY 20268

Permit No. 268
Permit Issued 3-19-81
County SENECA Township LIBERTY Quadrangle Tiffin N.
Section 36 Lot Tract Twp. Quarter
Measured 900' NL & 1000' EL of Sec. 36
80 Acres "Trempealeau" - Pool- R.T.
Land Owner J. Saull Well No. 1 Date Commenced 7-7-81
Operator A-S Energy, Inc. Well No. Date Completed 7-10-81
Elevation Bar 720' (2)79'DF 730'KB Total Depth 1735' Plugged Back
Formation Drld. To Black river Prod. Form. Trenton Prod. Nat.
I.P. A.F. 1.5MCFG & 1BO
Init. Rock Press. 30BW
Casing Record 8 5/8" 370' 250sks, 4½" 1719' 170sks Abandoned (8-14-81)10-25-93

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
COMPLETION 4-14-82				X=1,809,600			
Little lime	3	300		Y= 551,900			
Packer shell	300	395					
Clinton	395	478		PLUGGING REPORT 10-26-94			
Shale	478	1422					
Trenton lime	1422	1584	s/gas 1418'				
Black river	1584	1735	s/gas & oil 1664'				
		1735	DTD				
PLUGGING REPORT 7-6-82							

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
W. Haugh 1 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

W. Haugh 1
API: 34-147-6-1194-00-00
Pleasant Township, Seneca County



Photograph # 1:
W. Haugh 1



Photograph # 2:
W. Haugh 1

APPENDIX II: Off-Set Well Card

Mildred D. Haugh 1-30
API: 34-147-2-0210-00-00
Pleasant Township, Seneca County

SCHL:GR,Cal,D,S,L,I,N,SP OHIO DIVISION OF GEOLOGICAL SURVEY S# 3530 20210 Permit No. 210
Permit Issued 11-15-78
County SENECA Township PLEASANT Quadrangle Tiffin N
Section 30 Lot Tract Twp. Quarter
Measured 560' SL & 330' WL of SE¼ Sec. 30
Black river - Strat. - R.T.
Land Owner Mildred D. Haugh Well No. 1-30 Date Commenced 1-26-79
Operator Mobil Oil Corp. Well No. Date Completed (1-30-79 2-10-79
Elevation Bar 720.4' 729.4'KB Total Depth 1625' Plugged Back
Formation Drld. To Black river Prod. Form. Prod. Nat.
I.P. D & A
Init. Rock Press.
Casing Record (13" 31', 8" 583') 13 3/8" 23', 8 5/8" 578' Abandoned 2-1-79

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
PLUGGING REPORT 5-24-79				X= 1,813,800			
Big Lime	31	356		Y= 553,450			
Clinton sand	480			Utica	1062	1431	
Medina Fm	485			Trenton	1431	1533	
Trenton	1432	1518		Black river	1533	1625	TD
Black river	1518	1625	TD				
COMPLETION 7-18-79							
Glacial drift	0	30					
Niagarian	30	355					
Clinton	355	448					
Brassfield	448	484					
Queenston	484	1062					

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Hays Tineke 1 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Hays Tineke 1
API: 34-147-6-1190-00-00
Liberty Township, Seneca County



Photograph # 1:
Hays Tineke 1



Photograph # 2:
Hays Tineke 1

APPENDIX II: Off-Set Well Card

O. Nighswander
API: 34-147-6-0995-00-00
Liberty Township, Seneca County

GEOLOGICAL SURVEY OF OHIO (6935) — 60995

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Liberty Quadrangle
Lot Quarter Tract Section 14 NW NE SW
Measured 505 Feet From N Line And 1060 Feet From N Line Of NE¼ - SE¼
Land Owner O. Nighswander Well No. Date Started
Operator F. W. Kinear Well No. Date Completed 1932
Elevation Bar. 720 S. L. Total Depth 1500 Plugged Back
Formation Drilled To Trenton Producing Form. Init. Prod. Nat.
Shot or Acid Record Prod. A. S. or Acid
Init. Rock Press. Abandoned

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Lime	13½	365					
Break	365						
Clinton	414½		Gas at 430 and 468, -15,000				
Red Medina	502						
Brown shale at	1080						
Trenton	1370		Show of oil and gas at 1460				
Depth		1500					
			Show with 60 cts. at 1485				
			" " 50 " " 1460 Some meriose (?) in oil and gas				
Drive pipe 8¼		14-0					
Casing 6¼		415					

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Kleinfelter Farms 2 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Kleinfelter Farms 2
API: 34-147-6-1197-00-00
Liberty Township, Seneca County



Photograph # 1:
Kleinfelter Farms 2



Photograph # 2:
Kleinfelter Farms 2

APPENDIX II: Off-Set Well Card

Richard & Coletta Schumm 1-A
API: 34-147-2-0315-00-00
Pleasant Township, Seneca County

DNR 4808 OHIO DIVISION OF GEOLOGICAL SURVEY 20315

Permit no. 315
Permit issued 7-27-85
County SENECA Township LIBERTY Quadrangle Bascom
Section 32 Lot Tract Twp. quarter
Measured 318.85'NL & 522.04' WL of Sec. 32
76.04 Acres Knox-Out-C.T./Air Rt/ FL RT
Land owner Richard & Coletta Schumm Well no. 1-A Date commenced 7-29-85
Operator Dever Frank M Well no. Date completed 7-30-85
Elevation bar 754' 761'DF Total depth 2074' Plugged back
Formation drld. to Knox Dolomite Prod. form. Prod. nat.
I.P. dry hole
Init. rock press.
Casing record 10 3/4"-60' (pulled);7"-510' 100 sks. Abandoned P & A 8-1-85

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
COMPLETION & PLUGGING REPORT 12-31-87				X=1,784,522			
FW Strata	32	100	FW @ 32',60' &	Y= 552,381			
Niagara lime	8	350	90'				
Gumbo	350	370		Gull river	1970	2015	dry
White clinton	370	410	gas @ 373'	Glenwood shale	2015	2040	dry
Medina	410	460		Trempealeau	2040	2074	SW @ 2044'
Queenston	460	502				2074	TD
Red rock	502	560					
Utica shale	560	1344					
Trenton lime	1344	1520	dry				
Black river	1520	1970	dry				

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Lynch 1 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Lynch 1
API: 34-147-6-1170-00-00
Liberty Township, Seneca County



Photograph # 1:
Lynch 1



Photograph # 2:
Lynch 1

APPENDIX II: Off-Set Well Card

O. Nighswander
API: 34-147-6-0995-00-00
Liberty Township, Seneca County

GEOLOGICAL SURVEY OF OHIO (6935) — 60995

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Liberty Quadrangle
Lot Quarter Tract Section 14 NW NE SW
Measured 505 Feet From N Line And 1060 Feet From N Line Of NE¼ - SE¼
Land Owner O. Nighswander Well No. Date Started
Operator F. W. Kinear Well No. Date Completed 1932
Elevation Bar. 720 S. L. Total Depth 1500 Plugged Back
Formation Drilled To Trenton Producing Form. Init. Prod. Nat.
Shot or Acid Record Prod. A. S. or Acid
Init. Rock Press. Abandoned

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Lime	13½	365					
Break	365						
Clinton	414½		Gas at 430 and 468, -15,000				
Red Medina	502						
Brown shale at	1080						
Trenton	1370		Show of oil and gas at 1460				
Depth		1500					
			Show with 60 cts. at 1485				
			" " 50 " " 1460 Some meriose (?) in oil and gas				
Drive pipe 8¼		14-0					
Casing 6¼		415					

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Saul Milo 1 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Saul Milo 1
API: 34-147-6-1037-00-00
Liberty Township, Seneca County



Photograph # 1:
Saul Milo 1



Photograph # 2:
Saul Milo 1

APPENDIX II: Well Card

Saul Milo 1
API: 34-147-6-1037-00-00
Liberty Township, Seneca County

GEOLOGICAL SURVEY OF OHIO (4627) — 61037

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Liberty Quadrangle
Lot Quarter Tract Section 36 NW NE SW
Measured 960 Feet From E Line And 2730 Feet From N Line Of NW/NW/NE
Land Owner Milo Saul Well No. 1 Date Started
Operator T. F. O'Brien Well No. Date Completed Oct. 14, 1928
Elevation Bar. 718 S. L. Total Depth 1658 Plugged Back
Formation Drilled To Trenton Producing Form. Init. Prod. Nat Gas, 2,700,000
Shot or Acid Record Prod. A. S. or Acid Oil, 60 bbls. later
Init. Rock Press. Abandoned

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Clinton	387						
Trenton	1409	1659					
1" gas	1454						
2" gas	1504						
3" gas	1629						
Total		1658					

Offset Well Card
J Saull 1
API: 34-147-2-0268-00-00
Liberty Township, Seneca County

Schl:GRN,Cal,D,L,FIL,BHC

OHIO DIVISION OF GEOLOGICAL SURVEY 20268

Permit No. 268
Permit Issued 3-19-81
County SENECA Township LIBERTY Quadrangle Tiffin N.
Section 36 Lot Tract Twp. Quarter
Measured 900' NL & 1000' EL of Sec. 36
80 Acres "Trempealeau" - Pool- R.T.
Land Owner J. Saull Well No. 1 Date Commenced 7-7-81
Operator A-S Energy, Inc. Well No. Date Completed 7-10-81
Elevation Bar 720' (2)79'DF 730'KB Total Depth 1735' Plugged Back
Formation Drld. To Black river Prod. Form. Trenton Prod. Nat.
I.P. A.F. 1.5MCFG & 1BO
Init. Rock Press. 30BW
Casing Record 8 5/8" 370' 250sks, 4½" 1719' 170sks Abandoned (8-14-81)10-25-93

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
COMPLETION 4-14-82				X=1,809,600			
Little lime	3	300		Y= 551,900			
Packer shell	300	395					
Clinton	395	478		PLUGGING REPORT 10-26-94			
Shale	478	1422					
Trenton lime	1422	1584	s/gas 1418'				
Black river	1584	1735	s/gas & oil 1664'				
		1735	DTD				
PLUGGING REPORT 7-6-82							

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Zeis 1 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Zeis 1
API: 34-147-6-1171-00-00
Liberty Township, Seneca County



Photograph # 1:
Zeis 1



Photograph # 2:
Zeis 1

APPENDIX II: Off-Set Well Card

Rufus Martin 1
API: 34-147-2-0036-00-00
Pleasant Township, Seneca County

8151

GEOLOGICAL SURVEY OF OHIO

20036 36

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Liberty Quadrangle
Lot Quarter Tract Section 25 NW NE¼ SW
Measured 1000 Feet From N Line And 1000 Feet From E Line Of NE¼
160 acre tract
Land Owner Rufus Martin Well No. 1 Date Started 11-17-52
Operator Ditch & Gerig Well No. Date Completed 12-22-52
Elevation Bar. 715 T S. L. Total Depth 1459' Plugged Back
Formation Drilled To Producing Form Init. Prod. Nat.
Shot or Acid Record 12-24: 1393-1459': 140 qts. Prod. A. S. or Acid dry
Init. Rock Press. Abandoned 12-31-52
Casing Record 8"-31': 6 5/8"-673'

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Clay	0	15	Yellow-soft				
Gravel		31	Varied				
Ls.		373					
~~Clinton~~ Rock		~~423~~ 483	~~Hard: G-388'~~ Red-soft				
Shale		1050	Blue-soft				
Shale		1393	Brown				
Trenton		1459					

THRASHER

SCOPE OF WORK
SENECA 5F PROJECT
Zeis 2 Orphan Well Site
Seneca County
Hopewell, Liberty, and Pleasant Townships

APPENDIX II: Well Pictures

Zeis 2
API: 34-147-6-1172-00-00
Liberty Township, Seneca County



Photograph # 1:
Zeis 2



Photograph # 2:
Zeis 2

APPENDIX II: Off-Set Well Card

Rufus Martin 1
API: 34-147-2-0036-00-00
Pleasant Township, Seneca County

8151

20036 36

GEOLOGICAL SURVEY OF OHIO

OIL AND GAS WELL LOG

State Ohio
County Seneca Township Liberty Quadrangle
Lot Quarter Tract Section 25 NW NE¼ SW
Measured 1000 Feet From N Line And 1000 Feet From E Line Of NE¼
160 acre tract
Land Owner Rufus Martin Well No. 1 Date Started 11-17-52
Operator Ditch & Gerig Well No. Date Completed 12-22-52
Elevation Bar. 715 T S. L. Total Depth 1459' Plugged Back
Formation Drilled To Producing Form Init. Prod. Nat.
Shot or Acid Record 12-24: 1393-1459': 140 qts. Prod. A. S. or Acid dry
Init. Rock Press. Abandoned 12-31-52
Casing Record 8"-31': 6 5/8"-673'

Formation	Top	Bottom	Remarks	Formation	Top	Bottom	Remarks
Clay	0	15	Yellow-soft				
Gravel		31	Varied				
Ls.		373					
~~Clinton~~ Rock		~~423~~ 483	~~Hard: G-388'~~ Red-soft				
Shale		1050	Blue-soft				
Shale		1393	Brown				
Trenton		1459					
							715

CONTACT INFORMATION

DIVISION OF OIL & GAS RESOURCES MANAGEMENT
OHIO DEPARTMENT OF NATURAL RESOURCES
2207 REISER AVE. SE
NEW PHILADELPHIA, OHIO 44663
PH: (330) 308-0007 FAX: (330) 308-0011

REGIONAL MANAGER
AUSTIN GUTRIDGE
PH: (740) 297-9074

PROJECT ENGINEER
KRISTOFER ROSER, P.E.
PH: (330) 414-3740

ORPHAN WELL INSPECTOR
KIRSTEN EBRIGHT
PH: (614) 616-0495

OHIO811.org Before You Dig

Call Before You Dig

CALL TWO WORKING DAYS BEFORE YOU DIG (NON MEMBERS MUST BE CALLED DIRECTLY)

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN APPROXIMATELY, BASED EITHER ON REPORTING BY RESPECTIVE OWNERS AND/OR BY FIELD LOCATION. HOWEVER, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ALL DAMAGES THAT MIGHT OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL MAINTAIN A CURRENT 10 DAY OUPS/OGPUPS TICKET DURING THE ENTIRE PROJECT BY CONTACTING OUPS EVERY 10 DAYS. BOTH OUPS AND OGPUPS CAN BE COMPLETED USING THE OHIO 811 ONE CALL SERVICE BY PHONE OR ON THE WEB.

SHEET INDEX

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CARRAGIN JOHN 1 SITE PLAN	9
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ZEIS 1 & 2 DETAILED SITE PLANS	17-20
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LEGEND

PROPOSED WORK LIMITS — CWL	EXISTING BURIED FIBER — FO
PROPOSED MATTING	EXISTING WATER WELL
	EXISTING ORPHAN WELL
PROPOSED SILT FENCE — SF	EXISTING POWER POLE
EXISTING EDGE OF PVMT	EXISTING HYDRANT
EXISTING EDGE OF DRIVE	EXISTING WATER VALVE
EXISTING BUILDING	EXISTING GAS VALVE
EXISTING PROPERTY LINE	EXISTING MONUMENT BOX
EXISTING TOP OF BANK	EXISTING ELECTRIC METER
EXISTING TOE OF SLOPE	EXISTING LIGHT POLE
EXISTING 2' CONTOUR	EXISTING IRON PIN FOUND — I.P.F.
EXISTING 10' CONTOUR	EXISTING EMERGENT WETLAND (PEM)
EXISTING BURIED TELECOM — T	EXISTING FORESTED WETLAND (PFO)
EXISTING OVERHEAD ELEC. — OHP	EXISTING POND
EXISTING CULVERT	EXISTING EPHEMERAL STREAM (EPH)
EXISTING SANITARY — SAN	EXISTING INTERMITTENT STREAM (INT)
EXISTING GAS — G	EXISTING PERENNIAL STREAM (PER)
	FEMA 100-YR FLOODPLAIN

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS RESOURCES MANAGEMENT

SENECA #5F

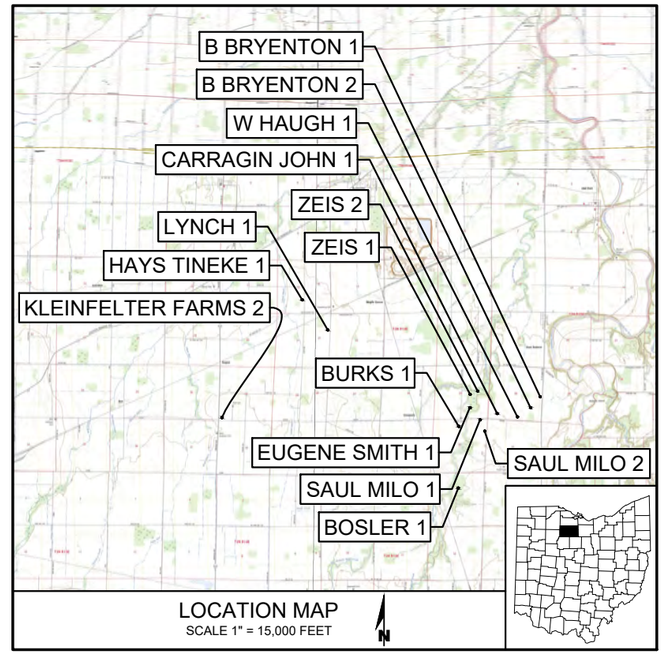
MULTIPLE ORPHAN WELL SITES

PREPARED FOR THE OHIO DEPARTMENT OF NATURAL RESOURCES BY:

THRASHER

THE THRASHER GROUP INC.
CIVIL ENVIRONMENTAL CONSULTING FIELD SERVICES
400 3RD ST. SE SUITE 309, CANTON, OH 44702
PHONE (330) 451-2042

STATE OF OHIO — CLAYTON C. WHITE — E-89855 — REGISTERED PROFESSIONAL ENGINEER — 9/28/26



SENECA #5F				
ORPHAN WELL INFORMATION				
WELL NAME	API NUMBER	TOWNSHIP	LATTITUDE	LONGITUDE
B BRYENTON 1	34-147-6-1101-00-00	PLEASANT	41.188406°	-83.169030°
B BRYENTON 2	34-147-6-0915-00-00	PLEASANT	41.185410°	-83.172432°
BOSLER 1	34-147-6-1097-00-00	HOPEWELL	41.163439°	-83.198214°
BOSLER 1 WATER WELL	N/A	HOPEWELL	41.163438°	-83.198222°
BURKS 1	34-147-6-0805-00-00	LIBERTY	41.180174°	-83.188874°
SAUL MILO 2	34-147-6-1038-00-00	LIBERTY	41.178958°	-83.188880°
CARRAGIN JOHN 1	34-147-6-1100-00-00	PLEASANT	41.183746°	-83.184425°
EUGENE SMITH 1	34-147-6-0829-00-00	LIBERTY	41.185296°	-83.194210°
W HAUGH 1	34-147-6-1194-00-00	PLEASANT	41.182875°	-83.177123°
HAYS TINEKE 1	34-147-6-1190-00-00	LIBERTY	41.214192°	-83.254874°
KLEINFELTER FARMS 2	34-147-6-1197-00-00	LIBERTY	41.182015°	-83.283407°
LYNCH 1	34-147-6-1170-00-00	LIBERTY	41.206090°	-83.245596°
SAUL MILO 1	34-147-6-1037-00-00	LIBERTY	41.181999°	-83.190549°
ZEIS 1	34-147-6-1171-00-00	LIBERTY	41.188882°	-83.194220°
ZEIS 2	34-147-6-1172-00-00	LIBERTY	41.189840°	-83.191552°

DIVISION OF OIL & GAS RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
http://oilandgas.ohiodnr.gov

TITLE SHEET

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

DESIGN UNIT: THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO.
1 OF 24

EDIT DATE: 9/28/2026 11:34 AM EDIT BY: DPHARES DRAWING FILE: R:\070\T70-11811.00 ODNR SENECA #5\DRAWING\(2) - DESIGN DEVELOPMENT\11808-SENECA5F-COVER.DWG

SENECA 5F - B BRYENTON 1 & 2			
ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
YARD AREA	FERTILIZER	20 LBS/1000 S.F.	302 LBS
	LIME	400 LBS/1 ACRE	140 LBS
	SEED	10 LBS/1000 S.F.	152 LBS
	MULCH	100 LBS/1000 S.F.	34 BALES
CROP DAMAGE	CROP DAMAGE	N/A	1.158 ACRES
	CEREAL RYE	150 LBS/1 ACRE	174 LBS

SITE RESTORATION NOTES:

1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.

B BRYENTON 2 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-0915-00-00
N = 554,028.1000', E = 1,783,420.1430, EL = 717.86'
LAT = 41.185410°, LONG = -83.172432°

B BRYENTON 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1101-00-00
N = 555,112.6660', E = 1,784,364.8460, EL = 715.38'
LAT = 41.188406°, LONG = -83.169030°

PROPOSED INGRESS/EGRESS POINT
AT N STATE ROUTE 53
N = 555,142.7812', E = 1,784,548.3008, EL = 715.92'
LAT = 41.188493°, LONG = -83.168364°

SEE SHEET 4

SEE SHEET 3

EXISTING BUILDINGS

EXISTING CROP FIELD

EXISTING WOODS

N SR 53

0' 100' 200' 300'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

DUE TO CURRENT CONSTRAINTS, NO WORK SHALL BEGIN AT THE B. BRYENTON #1 AND #2 LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE DIVISION. THE CONTRACTOR WILL NOT BE HELD RESPONSIBLE FOR DELAYS IN STARTING THIS WORK

ALL WORK ASSOCIATED WITH THIS LOCATION MAY BE A DEDUCTED LINE ITEM

DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
http://oilandgas.ohiodnr.gov

B BRYENTON 1 & 2
OVERALL SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION	

DESIGN UNIT THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO. 2 OF 24

EDIT DATE: 9/2/2026 10:00 AM EDIT BY: DPHARES DRAWING FILE: R:\070\70-11811.00 ODNR SENECA 5F\DRAWING\(2) - DESIGN DEVELOPMENT\SENECA5F-BBRYNTON-DESIGN.DWG

CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

EXISTING OVERHEAD POWER

EXISTING MAILBOX

EXISTING 4' x 4' PLASTIC STORAGE TANK, LINE, & SWEDGE TO BE RETURNED TO SECOND OIL COMPANY (TONY KRYDER, 419-766-0512)

B BRYENTON 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1101-00-00
N = 555,112.6660', E = 1,784,364.8460, EL = 715.38'
LAT = 41.188406°, LONG = -83.169030°

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

EXISTING GRAVEL DRIVEWAY

EXISTING OVERHEAD UTILITY CROSSING HEIGHT = ± 16'

PROPOSED ENTRANCE (PERMANENT)
SEE SHEET 22 FOR DETAIL
No. 304 AGGREGATE BASE: ± 25 TONS
No. 4 STONE: ± 25 TONS

EXISTING PASTURE

EXISTING CROP FIELD

PROPOSED MAIN ACCESS ALIGNMENT
STA. 100+00 - 126+50

PROPOSED COMPOSITE MAT ACCESS & STAGING AREA (± 5,824 S.F.)

PROPOSED INGRESS/EGRESS POINT
AT N STATE ROUTE 53
N = 555,142.7812', E = 1,784,548.3008, EL = 715.92'
LAT = 41.188493°, LONG = -83.168364°

N SR 53

715

50.00

50.00

50.00

60.48

16.00

100+00 101+00 102+00 103+00 104+00 105+00

TOWARD B BRYENTON 2

0' 20' 40' 60'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

DUE TO CURRENT CONSTRAINTS, NO WORK SHALL BEGIN AT THE B. BRYENTON #1 AND #2 LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE DIVISION. THE CONTRACTOR WILL NOT BE HELD RESPONSIBLE FOR DELAYS IN STARTING THIS WORK

ALL WORK ASSOCIATED WITH THIS LOCATION MAY BE A DEDUCTED LINE ITEM

DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
http://oilandgas.ohiodnr.gov

B BRYENTON 1
DETAILED
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

DESIGN UNIT THRASHER
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DATE: 09/28/2026
SHEET NO. 3 OF 24

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CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

0' 20' 40' 60'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

B BRYENTON 2 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-0915-00-00
N = 554,028.1000', E = 1,783,420.1430, EL = 717.86'
LAT = 41.185410°, LONG = -83.172432°

50.00 50.00 50.00 50.00

TOWARD B BRYENTON 1

EXISTING CROP FIELD

PROPOSED MAIN ACCESS ALIGNMENT STA. 100+00 - 126+50

16.00

121+00 122+00 123+00 124+00 125+00 126+00 126+50

715

DUE TO CURRENT CONSTRAINTS, NO WORK SHALL BEGIN AT THE B. BRYENTON #1 AND #2 LOCATIONS WITHOUT WRITTEN APPROVAL FROM THE DIVISION. THE CONTRACTOR WILL NOT BE HELD RESPONSIBLE FOR DELAYS IN STARTING THIS WORK

ALL WORK ASSOCIATED WITH THIS LOCATION MAY BE A DEDUCTED LINE ITEM

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DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
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B BRYENTON 2
DETAILED
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

DESIGN UNIT
THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO.
4 OF 24

CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

0' 100' 200' 300'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

N TOWNSHIP ROAD 135

SEE SHEET 6

PROPOSED MAIN ACCESS ALIGNMENT STA. 100+00 - 121+50

100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00 114+00 115+00 116+00 117+00 118+81 119+40 120+00 121+00 121+50

PROPOSED COMPOSITE MAT ENTRANCE, ACCESS, & STAGING AREA (10,647 S.F.) (MATS TO BE DOUBLE STACKED AND FULLY PINNED TO TRANSITION DITCH)

PROPOSED INGRESS/EGRESS POINT AT W COUNTY ROAD 38
N = 547,576.7745', E = 1,776,849.6364, EL = 724.00'
LAT = 41.167562°, LONG = -83.196116°

EXISTING CROP FIELD

EXISTING WOODS

SEE SHEET 7

BOSLER 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1097-00-00
N = 546,079.3880', E = 1,776,260.0240, EL = 724.60'
LAT = 41.163439°, LONG = -83.198214°

EXISTING WATER WELL (DISTANCE FROM BOSLER 1 = ± 311')

725

SENECA 5F - BOSLER 1			
ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
YARD AREA	FERTILIZER	20 LBS/1000 S.F.	20 LBS
	LIME	400 LBS/1 ACRE	10 LBS
	SEED	10 LBS/1000 S.F.	10 LBS
	MULCH	100 LBS/1000 S.F.	2 BALES
WOODED AREA	FERTILIZER	20 LBS/1000 S.F.	420 LBS
	LIME	400 LBS/1 ACRE	192 LBS
	SEED	75 LBS/1 ACRE	36 LBS
	MULCH	100 LBS/1000 S.F.	48 BALES
CROP DAMAGE	CROP DAMAGE	N/A	0.722 ACRES
	CEREAL RYE	150 LBS/1 ACRE	108 LBS

SITE RESTORATION NOTES:
1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.

DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
http://oilandgas.ohiodnr.gov

BOSLER 1
OVERALL
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION	

DESIGN UNIT
THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO.
5 OF 24

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CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

0' 20' 40' 60'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

N TOWNSHIP ROAD 135

EXISTING CROP FIELD

PROPOSED INGRESS/EGRESS POINT
AT N TOWNSHIP ROAD 135
N = 547,576.7745', E = 1,776,849.6364, EL = 724.00'
LAT = 41.167562°, LONG = -83.196116°

PROPOSED COMPOSITE MAT ENTRANCE, ACCESS, & STAGING AREA (10,647 S.F.) (MATS TO BE DOUBLE STACKED AND FULLY PINNED TO TRANSITION DITCH)

PROPOSED MAIN ACCESS ALIGNMENT STA. 100+00 - 121+50

100+00 101+00 102+00 103+00 104+00 105+00

CWL

56.00

PROPOSED PAVEMENT TO MATTING ACCESS OVERLAY
(SEE DETAIL SHEET 22)
(INCIDENTAL TO LINE ITEM "MOBILIZATION")

EXISTING WOODS

TOWARD BOSLER 1

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DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
http://oilandgas.ohiodnr.gov

BOSLER 1 DETAILED SITE PLAN

SENECA 5F MULTIPLE ORPHAN WELL SITES

REVISION

DESIGN UNIT
THRASHER

DRAWN BY: D.M.P.

CHECKED BY: J.C.A.

DATE: 09/28/2026

SHEET NO.
6 OF 24

CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

0' 20' 40' 60'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

DEDICATED AREA FOR LOG STOCKPILING AREA = ± 900 S.F.

PROPOSED MAIN ACCESS ALIGNMENT STA. 100+00 - 121+50

PROPOSED AIR BRIDGE SEE SHEET 23 FOR DETAIL TIMBER MATS = ± 512 S.F.

PROPOSED TEMPORARY ACCESS ROAD GRADING AT STEEP ACCESS SECTION STA. 119+40 - 120+40
EXISTING PROFILE GRADE = 15-20%
PROPOSED PROFILE GRADE = 10% MAX (SEE PROFILE BELOW)
CUT = ± 20 CY, FILL = ± 20 CY
FILTER FABRIC: ± 150 S.Y.
INCIDENTAL TO MOBILIZATION
TO BE RESTORED IN ACCORDANCE WITH THE SITE RESTORATION SPECIFICATION
SEE TYPICAL SECTION SHEET 24

EXISTING WOODS

TOWARD ENTRANCE

PROPOSED TEMPORARY SILT FENCE (± 100 L.F.)

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

BOSLER 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1097-00-00
N = 546,079.3880', E = 1,776,260.0240, EL = 724.60'
LAT = 41.163439°, LONG = -83.198214°

EXISTING BOSLER 1 WATER WELL TO BE PLUGGED PER THE "PLUGGING PLAN"

PROPOSED TEMPORARY ABSORBENT BOOM (± 100 L.F.)

PROPOSED MAIN ACCESS PROFILE
SCALE = 1:20

PROPOSED TEMPORARY GRADE

EXISTING GROUND

PROPOSED AIR BRIDGE SEE SHEET 23 FOR DETAIL TIMBER MATS = ± 512 S.F.

DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
http://oilandgas.ohiodnr.gov

BOSLER 1 DETAILED SITE PLAN

SENECA 5F MULTIPLE ORPHAN WELL SITES

REVISION

DESIGN UNIT THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO. 7 OF 24

EDIT DATE: 9/25/2026 11:46 AM EDIT BY: DPHARES DRAWING FILE: R:\070\170-11811.00 ODNR SENECA #5\DRAWING\(2) - DESIGN DEVELOPMENT\SENECA5F-BOSLER-DESIGN.DWG

CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

PROPOSED INGRESS/EGRESS POINT
AT N TOWNSHIP ROAD 135
N = 552,222.0125', E = 1,779,110.7404, EL = 722.55'
LAT = 41.180360°, LONG = -83.188036°

46.22

100+00

PROPOSED STEEL ROAD PLATES (1"x4'x8')
(± 160 S.F.)

EXISTING
MAINTAINED YARD

EXISTING
DITCH

EXISTING APPROXIMATE BURIED
ASPIRE ENERGY GAS LINE

EXISTING CORRUGATED PLASTIC CULVERT
INV IN: 721.00'
INV OUT: 720.94'
SIZE = 8"
CONDITION = FAIR

PROPOSED DRIVE ACCESS OVERLAY
No. 8 STONE (± 50 TONS)

EXISTING OVERHEAD UTILITY
CROSSING HEIGHT = ± 27'

101+00

EXISTING GRAVEL
DRIVEWAY

EXISTING SILOS

PROPOSED MAIN
ACCESS ALIGNMENT
STA. 100+00 - 108+00

EXISTING
CROP FIELD

BURKS 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-0805-00-00
N = 552,156.1180', E = 1,778,879.4750, EL = 722.68'
LAT = 41.180174°, LONG = -83.188874°

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

EXISTING PILE OF
POWER POLES

102+00

43.00

57.00

EXISTING
MANICURED LAWN

EXISTING FLAT
BED TRAILER

EXISTING OVERGROWN AREA AROUND WELL
(MOWING/CLEARING SHALL BE INCIDENTAL
TO LINE ITEM "MOBILIZATION")

26.00

70.00

103+00

104+00

105+00

PROPOSED COMPOSITE MAT ACCESS
AND WORK AREA (± 15,689 S.F.)

16.00

106+00

107+00

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

SAUL MILO 2 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1038-00-00
N = 551,713.0870', E = 1,778,874.3650, EL = 720.83'
LAT = 41.178958°, LONG = -83.188880°

108+00

50.00

50.00

50.00

EXISTING
CROP FIELD

0' 25' 50' 75'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

SENECA 5F - BURKS 1 & SAUL MILO 2			
ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
YARD AREA	FERTILIZER	20 LBS/1000 S.F.	226 LBS
	LIME	400 LBS/1 ACRE	104 LBS
	SEED	10 LBS/1000 S.F.	114 LBS
	MULCH	100 LBS/1000 S.F.	26 BALES
CROP DAMAGE	CROP DAMAGE	N/A	0.383 ACRES
	CEREAL RYE	150 LBS/1 ACRE	58 LBS

SITE RESTORATION NOTES:
1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.

DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
http://oilandgas.ohiodnr.gov

BURKS 1 & SAUL MILO 2 SITE PLAN

SENECA 5F MULTIPLE ORPHAN WELL SITES

REVISION

DESIGN UNIT
THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO.
8 OF 24

EDIT DATE: 9/2/2026 10:14 AM EDIT BY: DPHARES DRAWING FILE: R:\070\170-11811.00 ODNR SENECA 5F\DRAWING\(2) - DESIGN DEVELOPMENT\SENECA5F-BURKS&SAULMILO2-DESIGN.DWG

CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

0' 25' 50' 75'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

N TOWNSHIP ROAD 135

PROPOSED INGRESS/EGRESS POINT
AT W COUNTY ROAD 592
N = 552,841.0893', E = 1,780,183.3747, EL = 719.21'
LAT = 41.182083°, LONG = -83.184157°

EXISTING OVERHEAD UTILITY CROSSING HEIGHT = ± 32'

EXISTING GRAVEL DRIVEWAY

EXISTING DITCH

45.98

PROPOSED MAIN ACCESS ALIGNMENT STA. 100+00 106+50

PROPOSED DRIVE ACCESS OVERLAY
No. 8 STONE (± 125 TONS)

EXISTING CROP FIELD

EXISTING CROP FIELD

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

CARRAGIN JOHN 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1100-00-00
N = 553,447.8470', E = 1,780,114.5100, EL = 712.92'
LAT = 41.183746°, LONG = -83.184425°

EXISTING MISCELLANEOUS DEBRIS PILE TO BE RELOCATED ONSITE
(INCIDENTAL TO LINE ITEM "MOBILIZATION")

PROPOSED TEMPORARY ABSORBENT BOOM (± 80 L.F.)

L&A WETLAND "C"
(NON-FORESTED)

EXISTING YARD AREA

62.35

110.84

63.00

43.72

WELL

106+50

EXISTING CORRUGATED PLASTIC CULVERT
INV IN: 709.67'
INV OUT: 709.52
SIZE = 36"
CONDITION = GOOD

EXISTING STREAM

EXISTING ELECTRIC METER

CAUTION: EXISTING FERTILIZER TANKS. **DO NOT DISTURB**
(THE CONTRACTOR SHALL COORDINATE WITH THE DIVISION PRIOR TO MOBILIZATION. TANKS MUST BE EMPTY PRIOR TO STARTING WORK)

EXISTING GRAVEL PARKING LOT

148.17

EXISTING BUILDING
(**MAINTAIN LANDOWNER ACCESS AT ALL TIMES**)

EXISTING CROP FIELD

SENECA 5F - CARRAGIN JOHN 1			
ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
YARD AREA	FERTILIZER	20 LBS/1000 S.F.	218 LBS
	LIME	400 LBS/1 ACRE	100 LBS
	SEED	10 LBS/1000 S.F.	110 LBS
	MULCH	100 LBS/1000 S.F.	24 BALES

SITE RESTORATION NOTES:
1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.

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CARRAGIN JOHN 1
SITE

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

DESIGN UNIT THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO. 9 OF 24

EDIT DATE: 5/5/2026 8:22 AM EDIT BY: DPHARES DRAWING FILE: R:\070\170-11811.00 ODNR SENECA #5\DRAWINGS\(2) - DESIGN DEVELOPMENT\SENECA5F-CARRAGINJOHN-DESIGN.DWG

PROPOSED INGRESS/EGRESS POINT
AT N TOWNSHIP ROAD 71
N = 554,236.1938', E = 1,776,570.8022, EL = 707.72'
LAT = 41.185833°, LONG = -83.197322°

N TOWNSHIP ROAD 71

EXISTING CONCRETE DRIVEWAY

EXISTING PVC CULVERT
INV IN: 707.22'
INV OUT: 707.09'
SIZE = 12"
CONDITION = BURIED

EXISTING SEPTIC TANK LID
(**AVOID / DO NOT DISTURB**)

EXISTING BUILDING

EXISTING GRAVEL DRIVEWAY

EXISTING POND

PROPOSED DRIVE ACCESS OVERLAY
No. 8 STONE (± 30 TONS)
(TO BE INSTALLED DURING SITE RESTORATION)

FEMA 100-YR FLOODPLAIN

PROPOSED TEMPORARY ACCESS ROAD GRADING AT CROSS SLOPE SECTION STA. 101+70 - 102+50
EXISTING PROFILE GRADE = 20%
PROPOSED PROFILE GRADE = 15% MAX. (SEE PROFILE BELOW)
CUT = ± 0 CY, FILL = ± 40 CY, NET FILL = ± 40 CY
SUPPLEMENTAL FILL (304 BASE AGGREGATE) = ± 60 TONS
FILTER FABRIC = ± 100 S.Y.
INCIDENTAL TO MOBILIZATION
TO BE RESTORED IN ACCORDANCE WITH THE SITE RESTORATION SPECIFICATION
SEE TYPICAL SECTION SHEET 24

EXISTING MAILBOX

PROPOSED COMPOSITE MAT
ENTRANCE & ACCESS (± 3,094 S.F.)

PROPOSED PAVEMENT TO MATTING
ACCESS OVERLAY
(SEE DETAIL SHEET 22)
INCIDENTAL TO LINE ITEM
"MOBILIZATION")

EXISTING 4" PVC DRAIN

EXISTING GRAVEL BEACH AREA

EXISTING FIBER OPTIC RISERS

EXISTING GRAVEL DRIVEWAY

EXISTING CATCH BASIN WITH
4" PVC DRAINING AT SURFACE

EXISTING GRAVEL LANDSCAPING

EXISTING BUILDING

EXISTING SEPTIC TANK LID

EXISTING IRON PIN PROPERTY CORNER
(**DO NOT DISTURB**)

PROPOSED MAIN
ACCESS ALIGNMENT
STA. 100+00 - 108+50

EXISTING RESIDENTIAL YARD

EXISTING WOODS

PROPOSED COMPOSITE
MAT ACCESS AND WORK
AREA (± 17,381 S.F.)

ALL COMPOSITE MATS ONSITE SHALL BE INSTALLED AT THE DISCRETION OF THE DIVISION. MATS LOCATED WITHIN THE FLOODPLAIN BOUNDARY SHALL BE 100% PINNED.

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

EUGENE SMITH 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-0829-00-00
N = 554,033.7860', E = 1,777,425.5720, EL = 695.01'
LAT = 41.185296°, LONG = -83.194210°

PROPOSED TIMBERMAT
WORK AREA (± 1,280 S.F.)

ALL TIMBER MATS PLACED WITHIN THE FEMA 100-YR FLOODPLAIN SHALL BE SECURED USING 1/2" DIAMETER STEEL WIRE ROPE. ANCHORING POINTS SHALL BE CONFIRMED WITH THE DIVISION. INCIDENTAL TO "TIMBER MATS"

EXISTING STREAM

PROPOSED TEMPORARY
ABSORBENT BOOM (± 122 L.F.)

CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

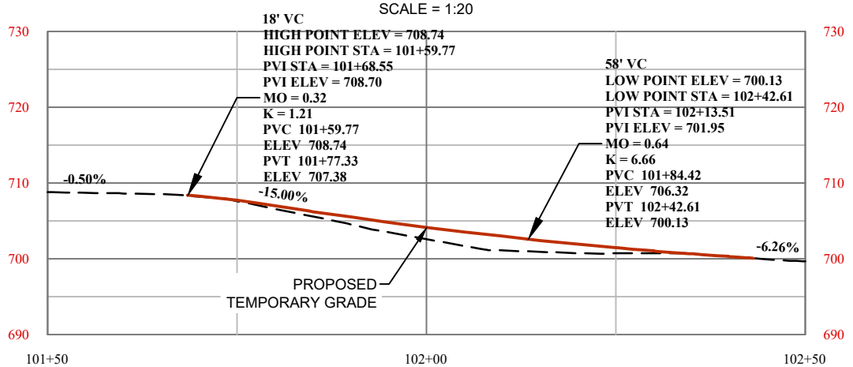
0' 30' 60' 90'
BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

SENECA 5F - EUGENE SMITH 1			
ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
YARD AREA	FERTILIZER	20 LBS/1000 S.F.	568 LBS
	LIME	400 LBS/1 ACRE	260 LBS
	SEED	10 LBS/1000 S.F.	284 LBS
	MULCH	100 LBS/1000 S.F.	64 BALES

SITE RESTORATION NOTES:
1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.

PROPOSED MAIN ACCESS PROFILE
SCALE = 1:20



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EUGENE SMITH 1
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

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THRASHER
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CHECKED BY: J.C.A.
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10 OF 24

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CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

0' 20' 40' 60'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

N TOWNSHIP ROAD 135

EXISTING BUILDING

PROPOSED INGRESS/EGRESS POINT
AT N TOWNSHIP ROAD 135
N = 552,730.3130', E = 1,782,110.3923, EL = 721.17'
LAT = 41.181820°, LONG = -83.177153°

EXISTING OVERHEAD UTILITY
CROSSING HEIGHT = ± 18'

PROPOSED DRIVE ACCESS OVERLAY
No. 8 STONE (± 80 TONS)

EXISTING OVERHEAD UTILITY
CROSSING HEIGHT = ± 26'

EXISTING
WATER SPIGOT

PROPOSED MAIN
ACCESS ALIGNMENT
STA. 100+00 - 103+50

EXISTING GRAVEL DRIVEWAY
(**CONTRACTOR TO MAINTAIN LANDOWNER ACCESS AT ALL TIMES**)

100+00 101+00 102+00 103+00 103+50

50.00 70.00 55.00 55.00 57.50

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

W HAUGH 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1194-00-00
N = 553,114.6440', E = 1,782,121.8110, EL = 721.13'
LAT = 41.182875°, LONG = -83.177123°

CAUTION: EXISTING FERTILIZER TANK. **DO NOT DISTURB**
(THE CONTRACTOR SHALL COORDINATE WITH THE DIVISION PRIOR TO MOBILIZATION. TANK MUST BE EMPTY PRIOR TO STARTING WORK)
(CONTRACTOR TO COORDINATE WITH THE LANDOWNER AND THE DIVISION TO TEMPORARILY RELOCATE)
DIAMETER = ± 9'
HEIGHT = ± 14'

EXISTING DECORATIVE
LANDSCAPE AREA

EXISTING BUILDINGS

EXISTING PROPANE TANK
(**AVOID / DO NOT DISTURB**)

EXISTING WATER WELL
(DISTANCE FROM
W HAUGH 1 = ± 302')

EXISTING WATER WELL
(DISTANCE FROM
W HAUGH 1 = ± 250')

PROPOSED COMPOSITE MAT
WORK AREA (± 7,462 S.F.)

EXISTING
RESIDENTIAL YARD

EXISTING
CROP FIELD

720 721 722

SENECA 5F - W HAUGH 1			
ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
YARD AREA	FERTILIZER	20 LBS/1000 S.F.	146 LBS
	LIME	400 LBS/1 ACRE	68 LBS
	SEED	10 LBS/1000 S.F.	74 LBS
	MULCH	100 LBS/1000 S.F.	16 BALES
CROP DAMAGE	CROP DAMAGE	N/A	0.150 ACRES
	CEREAL RYE	150 LBS/1 ACRE	22 LBS

SITE RESTORATION NOTES:
1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.

DIVISION OF OIL & GAS
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W HAUGH 1 SITE PLAN

SENECA 5F MULTIPLE ORPHAN WELL SITES

REVISION

DESIGN UNIT THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO. 11 OF 24

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CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

SENECA 5F - HAYS TINEKE 1			
ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
YARD AREA	FERTILIZER	20 LBS/1000 S.F.	300 LBS
	LIME	400 LBS/1 ACRE	138 LBS
	SEED	10 LBS/1000 S.F.	150 LBS
	MULCH	100 LBS/1000 S.F.	34 BALES

SITE RESTORATION NOTES:
1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.

0' 10' 20' 30'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

N TOWNSHIP ROAD 69

EXISTING WATER SPIGOT

EXISTING BUILDING

EXISTING WATER WELL (DISTANCE FROM HAYS TINEKE 1 = ± 190')

EXISTING RESIDENTIAL YARD

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

PROPOSED PAVEMENT TO MATTING ACCESS OVERLAY (SEE DETAIL SHEET 22) (INCIDENTAL TO LINE ITEM "MOBILIZATION")

PROPOSED COMPOSITE MAT ENTRANCE & ACCESS (± 12,376 S.F.)

PROPOSED MAIN ACCESS ALIGNMENT STA. 100+00 - 101+50

EXISTING TREE SAPLING (**AVOID / DO NOT DISTURB**)

EXISTING OVERHEAD UTILITY CROSSING HEIGHT = ± 18'

PROPOSED INGRESS/EGRESS POINT
AT N TOWNSHIP ROAD 69
N = 564,683.0312', E = 1,761,014.3484 EL = 733.92'
LAT = 41.214150°, LONG = -83.254167°

HAYS TINEKE 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1190-00-00
N = 564,699.9730', E = 1,760,820.0100 EL = 735.14'
LAT = 41.214192°, LONG = -83.254874°

EXISTING APPROXIMATE BURIED FIBER OPTIC

EXISTING SEPTIC TANK LID (**AVOID / DO NOT DISTURB**)

EXISTING BUILDING

735

50.00

60.00

65.00

35.00

16.00

56.01

100+00

101+00

101+50

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RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
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HAYS TINEKE 1
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION	

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THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO.
12 OF 24

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CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

0' 20' 40' 60'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

EXISTING CORRUGATED PLASTIC CULVERT
INV IN: 751.39'
INV OUT: 749.60'
SIZE = 12"
CONDITION = BURIED

EXISTING DITCH

EXISTING CROP FIELD

W COUNTY ROAD 592

PROPOSED INGRESS/EGRESS POINT
AT W COUNTY ROAD 592
N = 552,761.3047', E = 1,752,862.0368, EL = 754.00'
LAT = 41.181233°, LONG = -83.283408°

PROPOSED COMPOSITE MAT ENTRANCE & STAGING AREA (± 3,458 S.F.)
(MATS TO BE DOUBLE STACKED AND FULLY PINNED TO TRANSITION DITCH)

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

PROPOSED PAVEMENT TO MATTING ACCESS OVERLAY
(SEE DETAIL SHEET 22)
(INCIDENTAL TO LINE ITEM "MOBILIZATION")

100+00 101+00 102+00 102+25

PROPOSED MAIN ACCESS ALIGNMENT
STA. 100+00 - 102+25

EXISTING OVER HEAD UTILITY CROSSING HEIGHT = ± 21'

12" MIN. TEMPORARY CULVERT (± 60 L.F.)
(INCIDENTAL TO LINE ITEM "MOBILIZATION")

KLEINFELTER FARMS 2 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1197-00-00
N = 553,046.2890', E = 1,752,864.9810, EL = 753.47'
LAT = 41.182015°, LONG = -83.283407°

753 754

60.00 60.00 60.00 60.00 56.00

SENECA 5F - KLEINFELTER FARMS 2			
ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
YARD AREA	FERTILIZER	20 LBS/1000 S.F.	20 LBS
	LIME	400 LBS/1 ACRE	10 LBS
	SEED	10 LBS/1000 S.F.	10 LBS
	MULCH	100 LBS/1000 S.F.	2 BALES
CROP DAMAGE	CROP DAMAGE	N/A	0.443 ACRES
	CEREAL RYE	150 LBS/1 ACRE	66 LBS

SITE RESTORATION NOTES:
1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.

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IDLE & ORPHAN WELL PROGRAM
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KLEINFELTER FARMS 2
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

DESIGN UNIT
THRASHER
DRAWN BY: D.M.P
CHECKED BY: J.C.A.
DATE: 09/28/2026
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13 OF 24

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CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

0' 15' 30' 45'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

EXISTING DITCH

EXISTING POND

PROPOSED PAVEMENT TO MATTING ACCESS OVERLAY (SEE DETAIL SHEET 22) (INCIDENTAL TO LINE ITEM "MOBILIZATION")

EXISTING OVERHEAD UTILITY CROSSING HEIGHT = ± 22'

EXISTING WOVEN WIRE FENCE WITH T-POSTS (WOODEN POSTS AND STEEL CROSS PIPES FOR SUPPORT AT CORNERS)

PROPOSED COMPOSITE MAT ENTRANCE, ACCESS & STAGING AREA (± 6,552 S.F.)

PROPOSED TEMPORARY ABSORBENT BOOM (± 80 L.F.)

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

100+00 101+00 102+00 102+25

56.00

16.00

50.00

50.00

50.00

PROPOSED MAIN ACCESS ALIGNMENT STA. 100+00 - 102+25

LYNCH 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1170-00-00
N = 561,726.3250', E = 1,763,347.2430, EL = 731.71'
LAT = 41.206090°, LONG = -83.245596°

PROPOSED INGRESS/EGRESS POINT
AT N COUNTY ROAD 11
N = 561,717.6239', E = 1,763,611.6106, EL = 733.38'
LAT = 41.206072°, LONG = -83.244635°

N COUNTY ROAD 11

EXISTING CROP FIELD

732

OHP CWL

SENECA 5F - LYNCH 1			
ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
YARD AREA	FERTILIZER	20 LBS/1000 S.F.	20 LBS
	LIME	400 LBS/1 ACRE	10 LBS
	SEED	10 LBS/1000 S.F.	10 LBS
	MULCH	100 LBS/1000 S.F.	2 BALES
CROP DAMAGE	CROP DAMAGE	N/A	0.319 ACRES
	CEREAL RYE	150 LBS/1 ACRE	48 LBS

SITE RESTORATION NOTES:
1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.

DIVISION OF OIL & GAS
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LYNCH 1
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

DESIGN UNIT
THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO.
14 OF 24

EDIT DATE: 5/11/2026 1:29 PM EDIT BY: DPHARES DRAWING FILE: R:\070\170-11811.00 ODNR SENECA 5F\DRAWING\(2) - DESIGN DEVELOPMENT\SENECA5F-LYNCH-DESIGN.DWG

CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

SAUL MILO 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1037-00-00
N = 552,824.3810', E = 1,778,423.7840, EL = 718.46'
LAT = 41.181999°, LONG = -83.190549°

PROPOSED TEMPORARY
SILT FENCE (± 60 L.F.)

EXISTING PUMP JACK
TO BE REMOVED

EXISTING
DITCH

35.00

85.39

50.14

75.33

67.00

134.70

100+00

101+00

W COUNTY ROAD 592

EXISTING
PASTURE

EXISTING
CROP FIELD

PROPOSED INGRESS/EGRESS POINT
AT W COUNTY ROAD 592
N = 552,873.1188', E = 1,778,384.0308, EL = 717.62'
LAT = 41.182132°, LONG = -83.190695°

PROPOSED PAVEMENT
TO MATTING ACCESS OVERLAY
(SEE DETAIL SHEET 22)
(INCIDENTAL TO LINE ITEM "MOBILIZATION")

PROPOSED MAIN
ACCESS ALIGNMENT
STA. 100+00 - 101+00

EXISTING OVERHEAD UTILITY
CROSSING HEIGHT = ± 17'

PROPOSED COMPOSITE MAT ENTRANCE
& STAGING AREA (± 2,730 S.F.)

EXISTING CORRUGATED PLASTIC CULVERT
INVERT IN: 716.12'
INVERT OUT: 715.37'
SIZE = 12"
CONDITION = BURIED

0' 10' 20' 30'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

SENECA 5F - SAUL MILO 1			
ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
PASTURE AREA	FERTILIZER	20 LBS/1000 S.F.	174 LBS
	LIME	400 LBS/1 ACRE	80 LBS
	SEED	75 LBS/1 ACRE	16 LBS
	MULCH	100 LBS/1000 S.F.	20 BALES
CROP DAMAGE	CROP DAMAGE	N/A	0.170 ACRES
	CEREAL RYE	150 LBS/1 ACRE	26 LBS

SITE RESTORATION NOTES:
1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.

DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
http://oilandgas.ohiodnr.gov

SAUL MILO 1
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

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CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

EXISTING MAILBOX

EXISTING TELECOM RISERS

PROPOSED PAVEMENT TO MATTING ACCESS OVERLAY (SEE DETAIL SHEET 22) (INCIDENTAL TO LINE ITEM "MOBILIZATION")

PROPOSED INGRESS/EGRESS POINT AT N TOWNSHIP ROAD 71
N = 555,592.4680', E = 1,776,637.7810', EL = 711.89'
LAT = 41.189557°, LONG = -83.197118°

PROPOSED COMPOSITE MAT ENTRANCE (± 1,820 S.F.)

EXISTING GRAVEL DRIVEWAY

EXISTING POND

FEMA 100-YR FLOODPLAIN

EXISTING CROP FIELD

EXISTING APPROXIMATE BURIED FIBER OPTIC

PROPOSED MAIN ACCESS ALIGNMENT STA. 100+00 - 116+00

EXISTING BRIDGE

STREAM CROSSING #1 (SEE PLAN & PROFILE SHEET 18)

EXISTING BUILDINGS

L&A WETLAND "G" (NON-FORESTED)

PROPOSED BRANCH ACCESS ALIGNMENT STA. 200+00 - 203+00

STREAM CROSSING #2 (SEE PLAN & PROFILE SHEET 19)

SEE SHEET 20

SEE SHEET 17

EXISTING STREAM

ALL COMPOSITE MATS ONSITE SHALL BE INSTALLED AT THE DISCRETION OF THE DIVISION. MATS LOCATED WITHIN THE FLOODPLAIN BOUNDARY SHALL BE 100% PINNED.

EXISTING WOODS

ZEIS 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1171-00-00
N = 555,340.2040', E = 1,777,433.4390, EL = 694.72'
LAT = 41.188882°, LONG = -83.194220°

ZEIS 2 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1172-00-00
N = 555,683.3740', E = 1,778,170.4340, EL = 692.54'
LAT = 41.189840°, LONG = -83.191552°

L&A WETLAND "H" (NON-FORESTED)

SENECA 5F - ZEIS 1 & 2 ESTIMATED SITE RESTORATION QUANTITIES			
LOCATION	COMPONENT	RATE	QUANTITY
YARD AREA	FERTILIZER	20 LBS/1000 S.F.	48 LBS
	LIME	400 LBS/1 ACRE	22 LBS
	SEED	10 LBS/1000 S.F.	24 LBS
	MULCH	100 LBS/1000 S.F.	6 BALES
WETLAND AREA	WETLAND AREA	0.5 LBS/1000 S.F.	0.898 ACRES
	SEED MIX		20 LBS
CROP DAMAGE	CROP DAMAGE	150 LBS/1 ACRE	0.371 ACRES
	CEREAL RYE		56 LBS

SITE RESTORATION NOTES:
1) THE QUANTITIES LISTED ABOVE ARE FOR ESTIMATING PURPOSES ONLY.
2) THE CONTRACTOR SHALL COORDINATE ALL SITE RESTORATION ACTIVITIES WITH THE DIVISION PRIOR TO COMMENCING WITH WORK.
3) THE CONTRACTOR SHALL COORDINATE ALL CROP DAMAGE PAYMENTS AND REIMBURSEMENTS WITH THE DIVISION PRIOR TO INVOICING.
4) WETLAND SEED MIX TO BE USED IN ALL WOODED AREAS FOR THE ZEIS 1 & 2.

0' 50' 100' 150'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
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ZEIS 1 & 2
OVERALL
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

DESIGN UNIT: THRASHER
DRAWN BY: D.M.P.
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SHEET NO. 16 OF 24

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SEE SHEET 19

STREAM CROSSING #1
SEE SHEET 18

PROPOSED MAIN
ACCESS ALIGNMENT
STA. 100+00 - 116+00

EXISTING
STREAM

EXISTING
WOODS

PROPOSED TEMPORARY
SILT FENCE (± 374 L.F.)

PROPOSED BRANCH
ACCESS ALIGNMENT
STA. 200+00 - 203+00

EXISTING
CROP FIELD

EXISTING
WOODS

FEMA 100-YR
FLOODPLAIN

L&A WETLAND "G"
(NON-FORESTED)

PROPOSED COMPOSITE MAT
ACCESS & WORK AREA (± 13,741 S.F.)

ALL COMPOSITE MATS ONSITE SHALL BE INSTALLED AT THE DISCRETION OF THE DIVISION. MATS LOCATED WITHIN THE FLOODPLAIN BOUNDARY SHALL BE 100% PINNED.

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

ZEIS 1 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1171-00-00
N = 555,340.2040', E = 1,777,433.4390, EL = 694.72'
LAT = 41.188882°, LONG = -83.194220°

PROPOSED TEMPORARY
ABSORBENT BOOM (± 360 L.F.)

TOWARD ENTRANCE - SEE OVERALL

CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

0' 15' 30' 45'

BAR SCALE

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ZEIS 1 & 2
DETAILED
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

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CONTOURS ARE BASED UPON A COMBINATION OF PUBLICLY AVAILABLE DATA FROM THE OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM "OGRIP" & TTG SURVEY

EXISTING BRIDGE

EXISTING APPROXIMATE BURIED FIBER OPTIC

ALL TIMBER MATS PLACED WITHIN THE FEMA 100-YR FLOODPLAIN SHALL BE SECURED USING 1/2" DIAMETER STEEL WIRE ROPE. ANCHORING POINTS SHALL BE CONFIRMED WITH THE DIVISION. INCIDENTAL TO "TIMBER MATS"

PROPOSED TEMPORARY PORTABLE BRIDGE WITH TIMBER MAT ABUTMENTS (LENGTH = 40') (SEE STREAM CROSSING #2 PROFILE BELOW)

PRPOSED #57 STONE, OR SUITABLE SITE MATERIAL FOR TEMPORARY APPROACHES AT THE DISCRETION OF THE DIVISION (INCIDENTAL TO "PORTABLE BRIDGE")

EXISTING STREAM

FEMA 100-YR FLOODPLAIN

PROPOSED MAIN ACCESS ALIGNMENT STA. 100+00 - 116+00

106+00

107+00

108+00

109+00

200+00

PROPOSED COMPOSITE MAT ACCESS (± 2,093)

ALL COMPOSITE MATS SHALL BE INSTALLED AT THE DISCRETION OF THE DIVISION. MATS LOCATED WITHIN THE FLOODPLAIN BOUNDARY SHALL BE 100% PINNED.

PROPOSED 8' x 16' TIMBER MAT ABUTMENTS (256 S.F.) (INCIDENTAL TO "PORTABLE BRIDGE"

PROPOSED BRANCH ACCESS ALIGNMENT STA. 200+00 - 203+00

EXISTING CROP FIELD

EXISTING WOODS

SEE SHEET 16

SEE SHEET 17

SEE SHEET 19

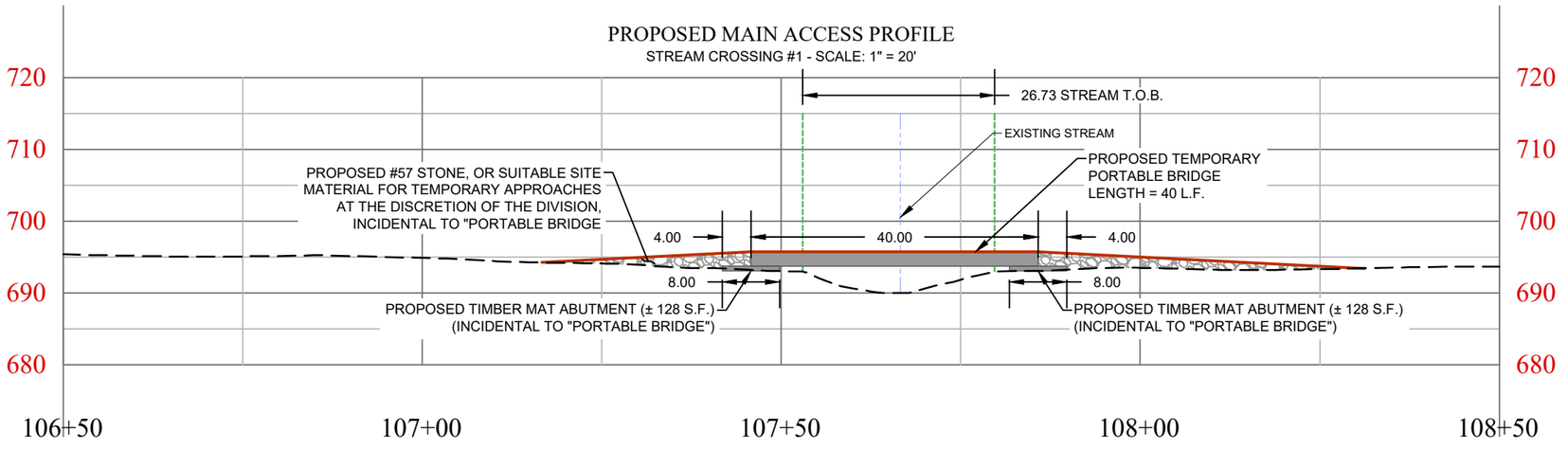
0' 15' 30' 45'

BAR SCALE

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PROPOSED MAIN ACCESS PROFILE

STREAM CROSSING #1 - SCALE: 1" = 20'



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ZEIS 1 & 2
STREAM CROSSING 1
PLAN & PROFILE

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

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0' 15' 30' 45'

BAR SCALE

NOTE: ALL WORK SHOWN ON THIS SHEET SHALL ALSO BE IN ACCORDANCE WITH THE ASSOCIATED SCOPE OF WORK DOCUMENT AND THE GENERAL NOTES LISTED ON THE DETAIL SHEET.

FEMA 100-YR FLOODPLAIN

PROPOSED TEMPORARY PORTABLE BRIDGE WITH TIMBER MAT ABUTMENTS (LENGTH = 30') (SEE STREAM CROSSING PROFILE #2 BELOW)

PROPOSED #57 STONE, OR SUITABLE SITE MATERIAL FOR TEMPORARY APPROACHES AT THE DISCRETION OF THE DIVISION (INCIDENTAL TO "PORTABLE BRIDGE")

PROPOSED MAIN ACCESS ALIGNMENT STA. 100+00 - 116+00

PROPOSED COMPOSITE MAT ACCESS (± 2,093)

PROPOSED 8' x 16' TIMBER MAT ABUTMENT (128 S.F.) (INCIDENTAL TO "PORTABLE BRIDGE")

ALL COMPOSITE MATS ONSITE SHALL BE INSTALLED AT THE DISCRETION OF THE DIVISION. MATS LOCATED WITHIN THE FLOODPLAIN BOUNDARY SHALL BE 100% PINNED.

ALL TIMBER MATS WITHIN THE FEMA 100-YR FLOODPLAIN SHALL BE SECURED USING 1/2" DIAMETER STEEL WIRE ROPE. ANCHORING POINTS SHALL BE CONFIRMED WITH THE DIVISION. INCIDENTAL TO "TIMER MATS"

EXISTING STREAM

PROPOSED 8' x 16' TIMBER MAT ABUTMENT (128 S.F.) (INCIDENTAL TO "PORTABLE BRIDGE")

PROPOSED COMPOSITE MAT ACCESS & WORK AREA (± 13,286)

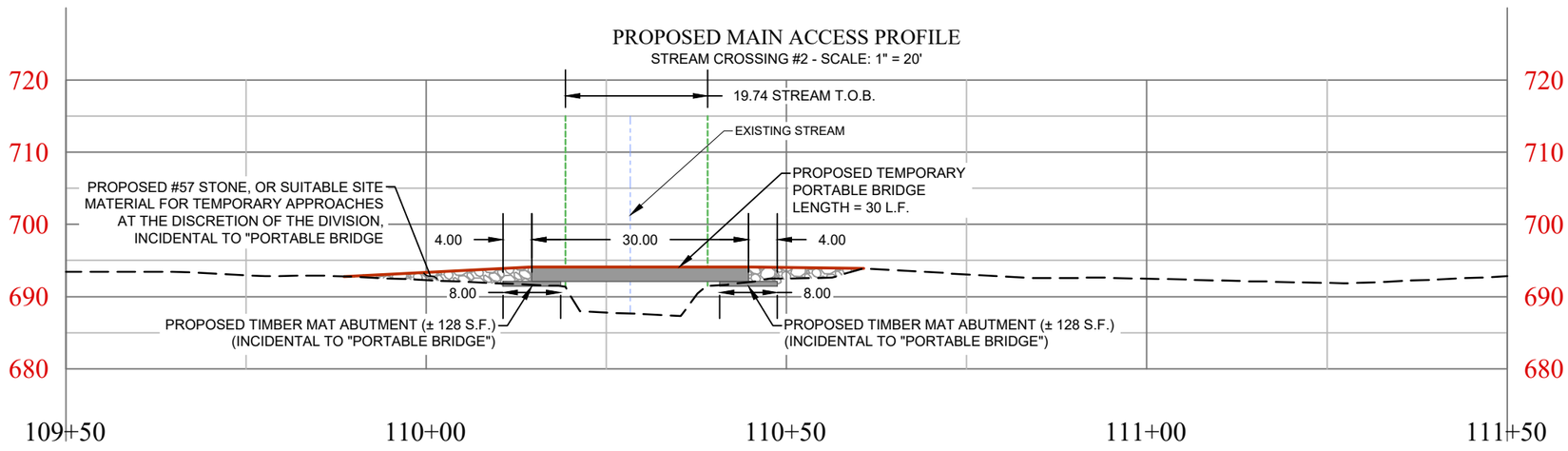
EXISTING WOODS

EXISTING WOODS

SEE SHEET 18

SEE SHEET 20

PROPOSED MAIN ACCESS PROFILE
STREAM CROSSING #2 - SCALE: 1" = 20'



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ZEIS 1 & 2
STREAM CROSSING 2
PLAN & PROFILE

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

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0' 15' 30' 45'

BAR SCALE

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ZEIS 2 ORPHAN WELL
TO BE PLUGGED PER THE "PLUGGING PLAN"
API No. 34-147-6-1172-00-00
N = 555,683.3740', E = 1,778,170.4340, EL = 692.54'
LAT = 41.189840°, LONG = -83.191552°

50.75
25.35
40.00
42.25
16.00

FEMA 100-YR FLOODPLAIN

705
700
695
690

EXISTING WOODS

PROPOSED TEMPORARY SILT FENCE (± 344 L.F.)

PROPOSED TEMPORARY ABSORBENT BOOM (± 344 L.F.)

CONTAMINATED MATERIAL DISPOSAL: ± 5 TONS
APPROVED RESOIL: ± 5 TONS

EXISTING STREAM

PROPOSED COMPOSITE MAT ACCESS & WORK AREA (13,286 S.F.)

116+00
115+00
114+00
113+00

EXISTING WOODS

EXISTING STREAM

L&A WETLAND "H" (NON-FORESTED)

ALL COMPOSITE MATS SHALL BE INSTALLED AT THE DISCRETION OF THE DIVISION.
MATS LOCATED WITHIN THE FLOODPLAIN BOUNDARY SHALL BE 100% PINNED.

PROPOSED MAIN ACCESS ALIGNMENT
STA. 100+00 - 116+00

SEE SHEET 19

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DIVISION OF OIL & GAS
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ZEIS 1 & 2
DETAILED
SITE PLAN

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

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DATE: 09/28/2026
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GENERAL NOTES:

1. UTILITY LINES AND APPURTENANCES ARE SHOWN AS LOCATED IN THE FIELD AND/OR AS REPORTED BY THE RESPECTIVE OWNERS. NEITHER THE NUMBER, TYPE, SIZE, OR LOCATION CAN BE GUARANTEED, AND IT IS THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS.
2. **THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY PROTECTING THE EXISTING BURIED UTILITIES DURING CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO LINE ITEM "MOBILIZATION".**
3. THE HORIZONTAL DATUM IS BASED ON NAD83 (2011) OHIO STATE PLANE NORTH 3401, AND THE VERTICAL DATUM IS BASED ON NAVD88 GEOID 12A CORS DERIVED.
4. PHOTO IMAGE DATE OBTAINED FROM OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM (OGRIP) FROM THE OHIO STATEWIDE IMAGERY PROGRAM (OSIP III).
5. THE CONTRACTOR SHALL WORK WITHIN THE WORK LIMITS AT ALL TIMES DURING CONSTRUCTION.
6. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE DETAILED SPECIFICATIONS FOR "MOBILIZATION" & "DEMOBILIZATION".
7. A FLAGGER IN EACH DIRECTION SHALL BE USED WHEN MATERIALS ARE BEING UNLOADED WITHIN THE ROAD RIGHT OF WAY.
8. TREE AND OVERHANGING LIMB REMOVAL SHALL BE AS DESIGNATED BY THE DIVISION. REMOVALS SHALL PROVIDE THE CONTRACTOR WITH ADEQUATE SPACE REQUIRED TO COMPLETE THE PROJECT. TRIMMING OF TREES SHALL BE CONSIDERED INCIDENTAL TO LINE ITEMS AS SPECIFIED.
9. THE DIVISION MUST BE PRESENT DURING ALL CLEARING OPERATIONS. NO TREES ARE TO BE REMOVED UNLESS DESIGNATED BY THE DIVISION.
10. ALL SUITABLE DEBRIS CLEARED SHALL BE CHIPPED BY MECHANICAL METHODS AND MULCH SHALL BE STOCKPILED/SPREAD ONSITE IN THE LOCATIONS DESIGNATED BY THE DIVISION'S REPRESENTATIVE PER THE DETAILED SPECIFICATION FOR "CLEARING & GRUBBING". BRUSH AND DEBRIS NOT SUITABLE FOR CHIPPING SHALL BE STACKED DOWN SLOPE OF THE WORK, OUTSIDE OF THE WORK LIMITS.
11. ALL "CUT" MATERIAL SHALL BE USED AS FILL OR STOCKPILED ON LOCATION FOR REUSE. STOCKPILES SHALL BE STABILIZED PER LINE ITEM "SITE RESTORATION" UPON ESTABLISHMENT OF TEMPORARY GRADE IF AREAS ARE TO REMAIN OPEN FOR 14 DAYS OR LONGER.
12. THE PROPOSED GRADES SHOWN ARE TEMPORARY; UPON PLUGGING THE WELL, THE CONTRACTOR SHALL REESTABLISH EXISTING CONTOUR PER LINE ITEM "MOBILIZATION" USING ONSITE MATERIALS.
13. ALL STONE PLACED USING SIX (6) INCH MAXIMUM LIFTS, SHALL BE COMPACTED WITH A MINIMUM OF THREE (3) PASSES PER LIFT USING ONSITE EQUIPMENT.
14. AT THE DISCRETION OF THE DIVISION, ALL STONE, FABRIC AND/OR GEOGRID SHOWN ON THE SITE PLAN SHEET(S) AS TEMPORARY SHALL BE REMOVED UPON COMPLETION OF THE PROJECT AND RESTORED PER LINE ITEM "SITE RESTORATION".
15. COMPOSITE/TIMBER MATS SHALL BE USED FOR TEMPORARY CONSTRUCTION ACCESS TO TRAVERSE WET AREAS AND/OR DRAINAGE COURSES. COMPOSITE MATS SHALL BE 100% PINNED WITHIN THE FLOODPLAIN.
16. ALL COMPOSITE MATTING INSTALLED SHALL BE INTERLOCKED PER THE MANUFACTURER'S REQUIREMENTS. IN AREAS WHERE POOR SUBGRADE IS ENCOUNTERED MATS CAN BE STACKED OVER TOP OF ONE ANOTHER AT THE DISCRETION OF THE DIVISION. COMPOSITE MATS SHALL BE 100% PINNED WITHIN THE FLOODPLAIN.
17. SEDIMENT CONTROLS SHALL BE PLACED AT THE DISCRETION OF THE DIVISION.



W21-1
(500' FROM W20-7,
BOTH SIDES OF THE
ENTRANCE)

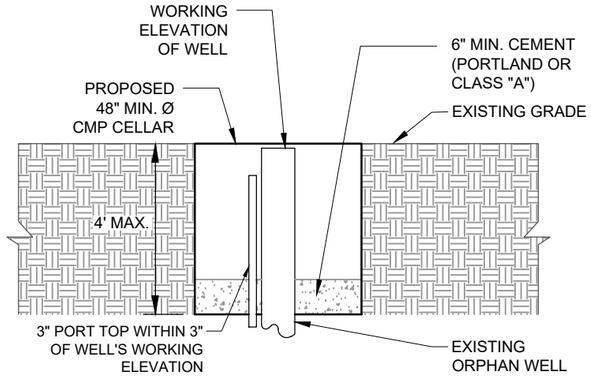


W20-7
COVER OR TURN DURING EVENINGS
OR WHEN BOTH LANES ARE OPEN
(500' FROM FLAGGER, BOTH SIDES OF
ENTRANCE)

NOTES:

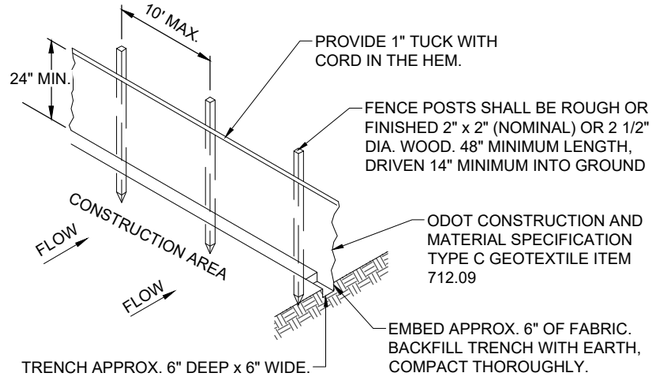
1. THIS WORK SHALL BE PER THE GENERAL SPECIFICATIONS, PART 7: MAINTENANCE OF TRAFFIC AND SHALL BE INCIDENTAL TO LINE ITEM "MOBILIZATION" FOR EACH SITE, UNLESS OTHERWISE NOTED. **THIS WORK SHALL INCLUDE ALL REQUIRED PERMITS FROM THE LOCAL ROAD AUTHORITIES.**
2. ALL SIGNS MAY BE MOUNTED PORTABLE MOUNTS.
3. CONTRACTOR SHALL FOLLOW THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FIGURE 6H-1, IN BOTH DIRECTIONS ALONG THE ROADWAY. W21-1 SHALL BE IN PLACE AS SOON AS THE CONTRACTOR ARRIVES TO THE SITE EACH DAY.
4. CONTRACTOR SHALL FOLLOW THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FIGURE 6H-13, LANE CLOSURE ON A TWO-LANE ROAD USING FLAGGERS (TA-13).
5. FLAGGERS SHALL HAVE PROPER COMMUNICATION DEVICES AND SHALL BE POSITIONED 20' FROM EACH EDGE OF THE CONSTRUCTION WORK LIMITS. ANY VARIATION MUST BE APPROVED PER LOCATION. **TEMPORARY CLOSURES SHALL NOT BE COMPLETED WITHOUT A FLAGGER.**
6. TEMPORARY CLOSURES SHALL BE MINIMIZED TO LESS THAN 20 MINUTES AND THEN THE ROAD SHALL BE FULLY REOPENED TO TRAFFIC.
7. ANY WORK IN THE ROADWAY THAT IS REQUIRING MORE THAN 20 MINUTES SHALL BE COMPLETED PER GENERAL SPECIFICATIONS, PART 7: MAINTENANCE OF TRAFFIC WITH THE PROPER PERMITS FROM THE LOCAL ROAD AUTHORITIES AND APPROVAL FROM THE DIVISION.

FLAGGER & CONSTRUCTION SIGNAGE NOTES
NOT TO SCALE



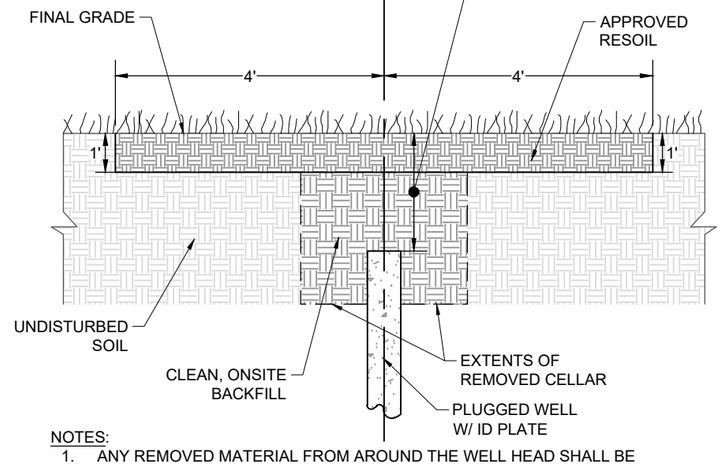
NOTES:
ALL WORK & MATERIAL ASSOCIATED WITH THE INSTALLATION & REMOVAL OF THE CELLAR SHALL BE CONSIDERED INCIDENTAL TO LINE ITEM "WELL HEAD CONTROL".

TEMPORARY CELLAR
NOT TO SCALE



NOTES:
1. FABRIC TO BE FASTENED SECURELY TO FENCE POST AS PER MANUFACTURER'S RECOMMENDATIONS.
2. ENDS OF INDIVIDUAL ROLLS OF FABRIC SHALL BE SECURELY FASTENED TO A COMMON POST OR OVERLAPPED 3" MIN.

SILT FENCE DETAIL
NOT TO SCALE



NOTES:

1. ANY REMOVED MATERIAL FROM AROUND THE WELL HEAD SHALL BE SEGREGATED TO PREVENT ADDITIONAL CONTAMINATION.
2. ONCE THE WELL IS CUT BELOW GRADE, AN EIGHT (8) FOOT BY EIGHT (8) FOOT AREA, ONE (1) FOOT DEEP SHALL BE EXCAVATED AROUND THE WELL HEAD & REPLACED WITH "APPROVED RESOIL".
3. REMOVED MATERIAL SHALL BE DISPOSED OF PER LINE ITEM "CONTAMINATED MATERIAL DISPOSAL".
4. PRIOR TO DELIVERY TO THE SITE OF "APPROVED RESOIL", ON SITE TOPSOIL MAY BE UTILIZED AT THE APPROVAL OF THE DIVISION
5. ALL WORK NOT INCLUDED IN "APPROVED RESOIL" OF "CONTAMINATED MATERIAL DISPOSAL" SHALL BE INCIDENTAL TO LINE ITEM 'SITE RESTORATION".

WELL RESTORATION SECTION
NOT TO SCALE

DIVISION OF OIL & GAS
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IDLE & ORPHAN WELL PROGRAM
http://oilandgas.ohiodnr.gov

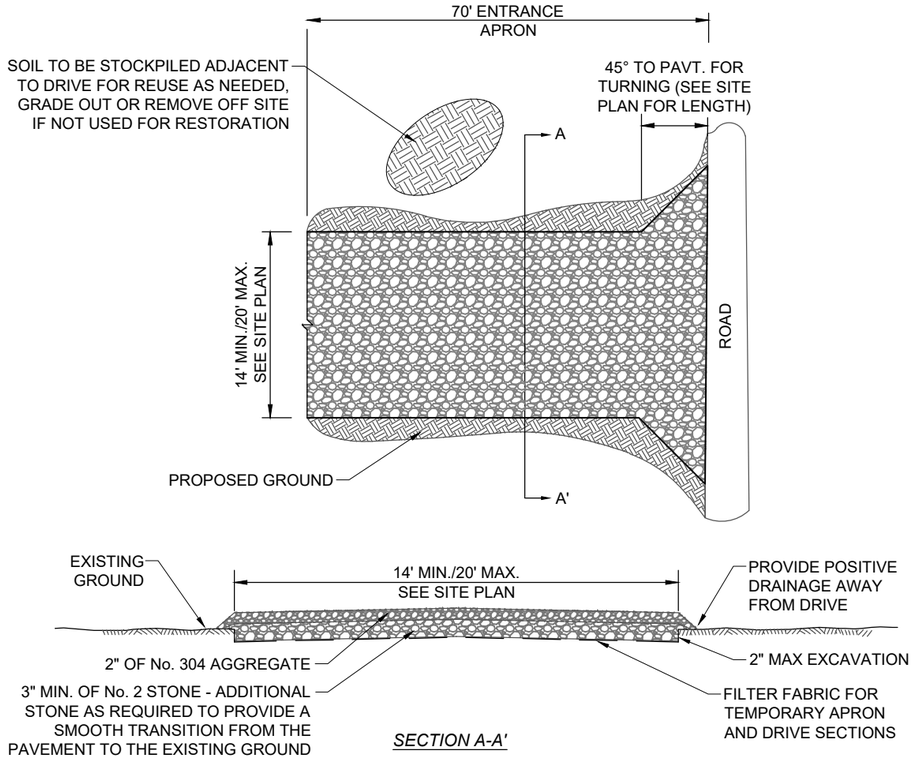
DETAILS

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

DESIGN UNIT: THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO.
21 OF 24

EDIT DATE: 9/28/2026 7:51 AM EDIT BY: DPHARES DRAWING FILE: R:\070\170-11811.00 ODNR SENECA #5\DRAWING\(2) - DESIGN DEVELOPMENT\11808-SENECA5F-COVER.DWG

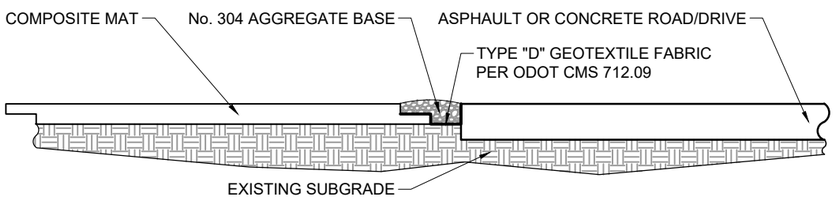


SECTION A-A'

TEMPORARY / PERMANENT ENTRANCE APRON & ACCESS DRIVE

NOT TO SCALE

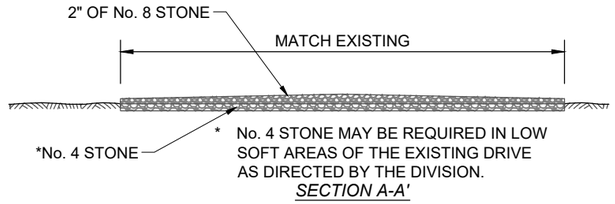
NOTES:
1. APRONS DESIGNATED AS "PERMANENT" ON THE PLAN SHEETS SHALL REMAIN IN PLACE. THE LAST 20' OF EACH APRON SHALL BE TAPERED TO MATCH THE EXISTING DRIVE WIDTH AS SHOWN ON THE PLANS. ANY SOIL STOCKPILED WITHIN THESE AREAS SHALL BE REGRADED TO CREATE POSITIVE DRAINAGE AWAY FROM THE DRIVE OR REMOVED FROM THE SITE.
2. APRONS DESIGNATED AS "TEMPORARY" ON THE PLAN SHEETS SHALL BE REMOVED UPON PROJECT COMPLETION. ANY SOIL STOCKPILED WITHIN THESE AREAS SHALL BE USED TO RESTORE THE SITE TO EXISTING CONDITIONS.
3. PLACE BASE STONE AS NEEDED ALONG THE EDGE OF EXISTING DRIVES OR IN LOW/SOFT AREAS AS DIRECTED BY THE DIVISION.



PAVEMENT TO MATTING ACCESS OVERLAY

NOT TO SCALE

NOTE:
No. 304 AGGREGATE BASE SHALL BE PLACED BETWEEN THE EXISTING DRIVE OR ROAD AND COMPOSITE MATTING TO MITIGATE POTENTIAL DAMAGE TO PAVEMENT. No. 304 AGGREGATE AND FABRIC SHALL BE CONSIDERED INCIDENTAL TO LINE ITEM "MOBILIZATION". UPON COMPLETION OF THE PROJECT ALL No. 304 AGGREGATE BASE & FABRIC SHALL BE REMOVED.

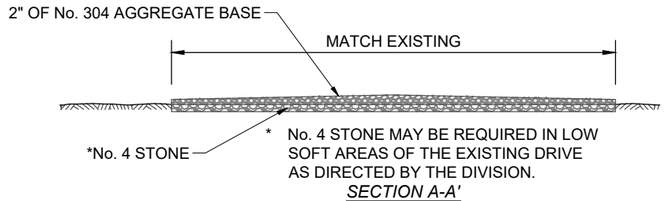


SECTION A-A'

NOTE:
THE EXISTING DRIVE WILL BE THE ONLY ACCESS TO THE BURKS 1, CARRAGIN JOHN 1, & THE W HAUGH 1 PROJECT SITES. ACCESS FOR THE LANDOWNER SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. AT THE DISCRETION OF THE DIVISION, No. 57 STONE SHALL BE PLACED ON THE EXISTING DRIVE UPON COMPLETION OF THE PROJECT. ALL OTHER ACCESS AREAS SHALL BE RESTORED PER LINE ITEM "SITE RESTORATION".

DRIVE ACCESS OVERLAY

NOT TO SCALE

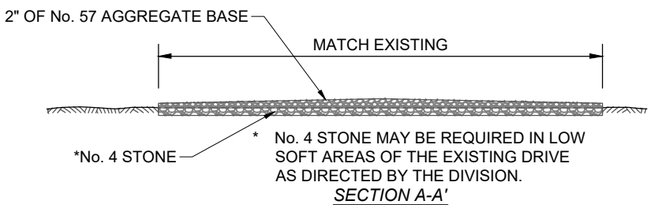


SECTION A-A'

NOTE:
THE EXISTING DRIVE WILL BE THE ONLY ACCESS TO THE EUGENE SMITH PROJECT SITE. ACCESS FOR THE LANDOWNER SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. AT THE DISCRETION OF THE DIVISION, No. 57 STONE SHALL BE PLACED ON THE EXISTING DRIVE UPON COMPLETION OF THE PROJECT. ALL OTHER ACCESS AREAS SHALL BE RESTORED PER LINE ITEM "SITE RESTORATION".

DRIVE ACCESS OVERLAY

NOT TO SCALE



SECTION A-A'

NOTE:
THE EXISTING DRIVE WILL BE THE ONLY ACCESS TO THE ZEIS 1 & 2 PROJECT SITE. ACCESS FOR THE LANDOWNER SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. AT THE DISCRETION OF THE DIVISION, No. 57 STONE SHALL BE PLACED ON THE EXISTING DRIVE UPON COMPLETION OF THE PROJECT. ALL OTHER ACCESS AREAS SHALL BE RESTORED PER LINE ITEM "SITE RESTORATION".

DRIVE ACCESS OVERLAY

NOT TO SCALE

DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
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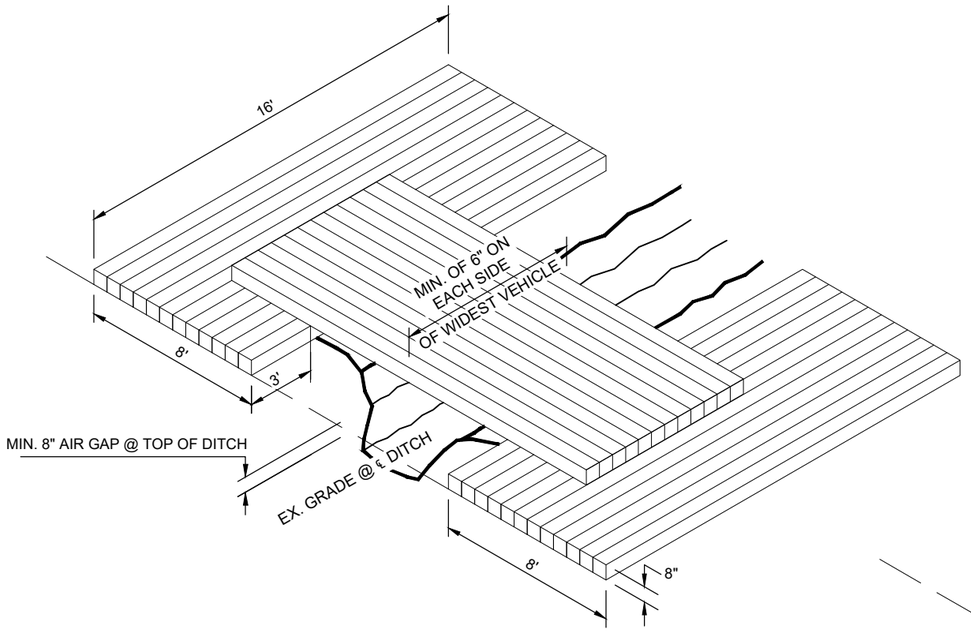
DETAILS

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

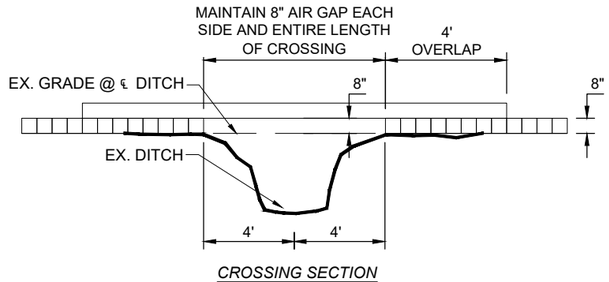
REVISION

DESIGN UNIT THRASHER
DRAWN BY: D.M.P.
CHECKED BY: J.C.A.
DATE: 09/28/2026
SHEET NO. 22 OF 24

EDIT DATE: 9/28/2026 7:51 AM EDIT BY: DPHARES DRAWING FILE: R:\070\70-11811.00 ODNR SENECA #5\DRAWING\(2) - DESIGN DEVELOPMENT\11808-SENECA5F-COVER.DWG

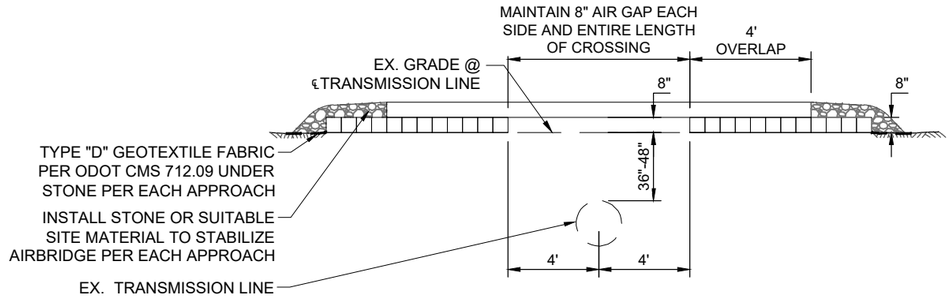


ISOMETRIC PLAN

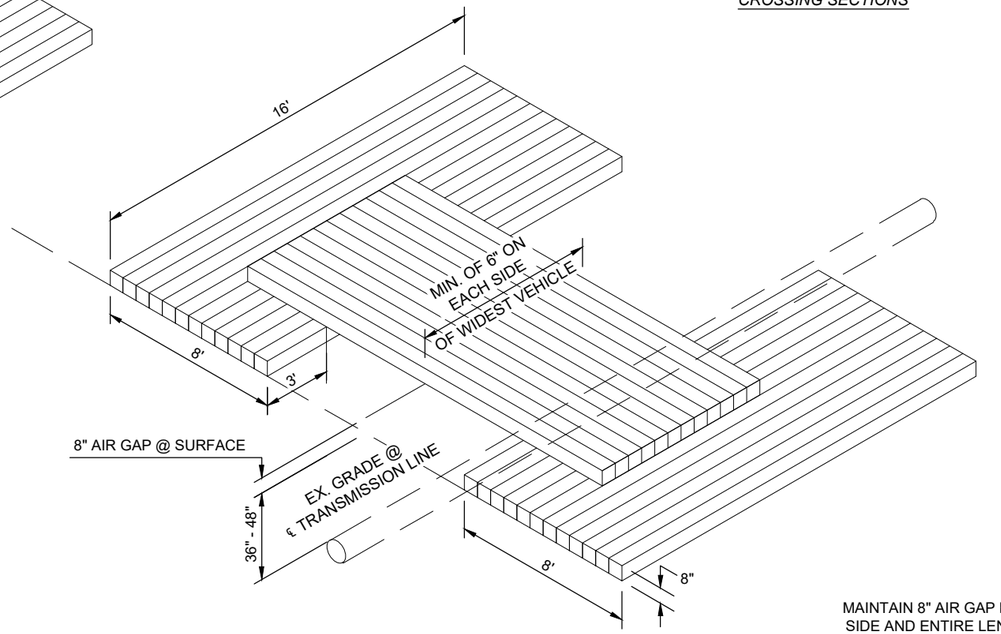


CROSSING SECTION

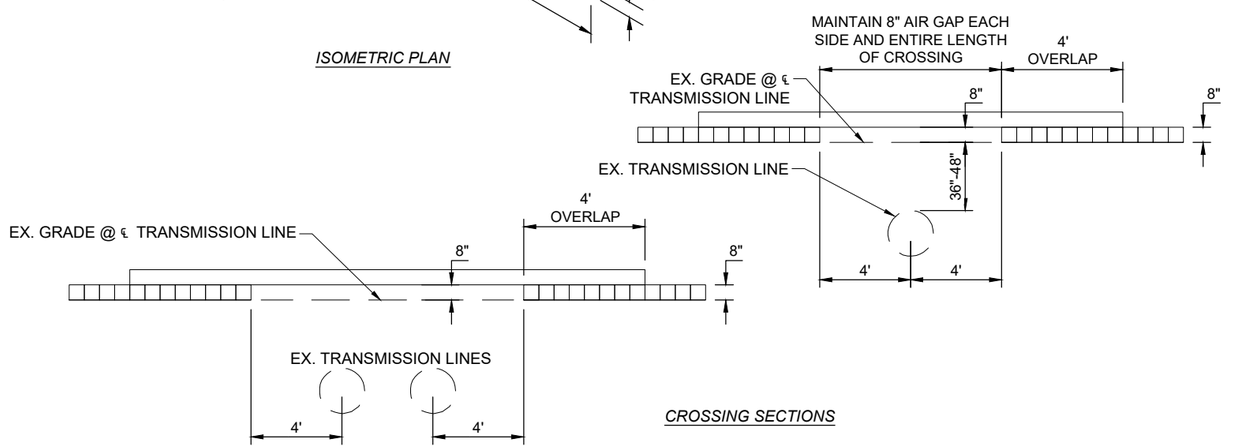
STANDARD AIRBRIDGE OVER DITCH
NOT TO SCALE



CROSSING SECTIONS



ISOMETRIC PLAN



CROSSING SECTIONS

STANDARD AIRBRIDGE OVER UTILITIES
NOT TO SCALE

DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
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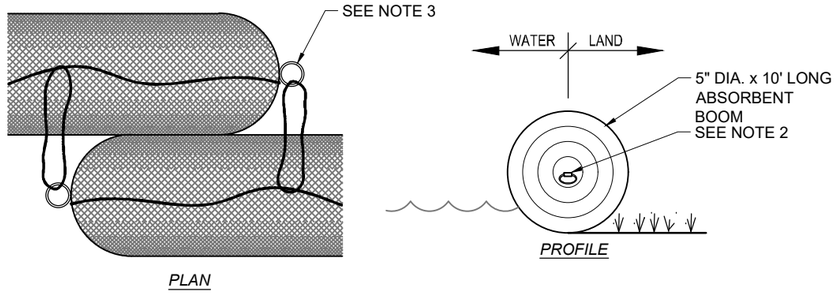
DETAILS

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

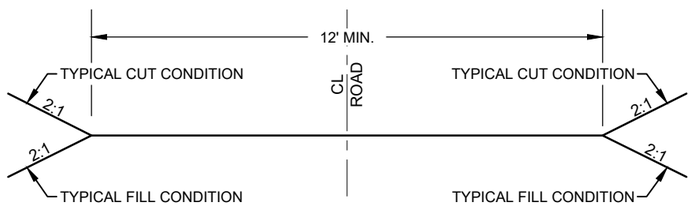
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NOTES:
1. *ITEMS SHALL BE CONSIDERED INCIDENTAL TO LINE ITEM "SITE SAFETY".
2. BOOMS SHALL INSTALLED AS PER THE SITE DRAWINGS OR AS DIRECTED BY THE DIVISION AND BE SECURELY ANCHORED TO PREVENT MOVEMENT OFF SITE.
3. WHEN LINKING TWO OR MORE BOOMS TOGETHER, OVERLAP THE ENDS OF THE BOOM, LINK THEM BY SNAPPING ONE CLIP FROM EACH BOOM ONTO THE RING AT THE END OF THE BOOM.
4. AT EACH JOINT, TWO CLIPS SHOULD BE ATTACHED TO TWO FASTENING RINGS.
5. WHEN THE BOOMS BECOME SATURATED WITH OIL, THE CONTRACTOR SHALL PROPERLY DISPOSE OF THEM AND INSTALL NEW BOOMS.

ABSORBENT BOOM
NOT TO SCALE



NOTES:
1. ALL FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 6-INCHES. EACH LIFT SHALL BE COMPACTED IN PLACE USING ONSITE EQUIPMENT WITH A MINIMUM OF THREE PASSES PER LIFT.

BOSLER 1 & EUGENE SMITH 1 ACCESS ROAD TYPICAL SECTION
NOT TO SCALE

DIVISION OF OIL & GAS
RESOURCES MANAGEMENT
IDLE & ORPHAN WELL PROGRAM
http://oilandgas.ohiodnr.gov

DETIALS & TYPICAL SECTION

SENECA 5F
MULTIPLE
ORPHAN WELL SITES

REVISION

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"General Decision Number: OH20260001 09/17/2026

State: Ohio

Construction Types: Heavy and Highway

Counties: Ohio Counties of
Adams, Allen, Ashland, Ashtabula,
Athens, Auglaize, Belmont, Brown,
Butler, Carroll, Champaign, Clark,
Clermont, Clinton, Columbiana,
Coshocton, Crawford, Cuyahoga, Darke,
Defiance, Delaware, Erie, Fairfield,
Fayette, Franklin, Fulton, Gallia,
Geauga, Greene, Guernsey, Hamilton,
Hancock, Hardin, Harrison, Henry,
Highland, Hocking, Holmes, Huron,
Jackson, Jefferson, Knox, Lake,
Lawrence, Licking, Logan, Lorain, Lucas,
Madison, Mahoning, Marion, Medina,
Meigs, Mercer, Miami, Monroe,
Montgomery, Morgan, Morrow, Muskingum,
Noble, Ottawa, Paulding, Perry,
Pickaway, Pike, Portage, Preble, Putnam,
Richland, Ross, Sandusky, Scioto,
Seneca, Shelby, Stark, Summit, Trumbull,
Tuscarawas, Union, Van Wert, Vinton,
Warren, Washington, Wayne, Williams,
Wood and Wyandot

Heavy Construction

Highway Construction

Modification Number	Publication Date
0	01/02/2026
1	05/18/2026
2	05/20/2026
3	06/25/2026
4	07/30/2026
5	09/17/2026

BROH0001-001 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (DEFIANCE, FULTON (EXCLUDING FULTON, AMBOY & SWAN CREEK TOWNSHIPS), HENRY (EXCLUDING MONROE, BARTLOW, LIBERTY, WASHINGTON, RICHFIELD, MARION, DAMASCUS & TOWNSHIPS & THAT PART OF HARRISON TOWNSHIP OUTSIDE CORPORATE LIMITS OF CITY OF NAPOLEON), PAULDING, PUTNAM AND WILLIAMS COUNTIES)	$ 33.39	20.06

BROH0001-004 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 32.40	19.30

BROH0003-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (FULTON (TOWNSHIPS OF AMBOY, SWAN CREEK & FULTON), HENRY (TOWNSHIPS OF WASHINGTON, DAMASCUS, RICHFIELD, BARTLOW, LIBERTY, HARRISON, MONROE, & MARION), LUCAS AND WOOD (TOWNSHIPS OF PERRYSBURG, ROSS, LAKE, TROY, FREEDOM, MONTGOMERY, WEBSTER, CENTER, PORTAGE, MIDDLETON, PLAIN, LIBERTY, HENRY, WASHINGTON, WESTON, MILTON, JACKSON & GRAND RAPIDS) COUNTIES)	$ 33.39	20.06

BROH0005-003 06/01/2020

	Rates	Fringes
BRICKLAYER: BRICKLAYERS; CAULKERS; CLEANERS; POINTERS; & STONEMASONS (CUYAHOGA, LORAIN & MEDINA (HINCKLEY, GRANGER, BRUNSWICK, LIVERPOOL, MONTVILLE, YORK, HOMER, HARRISVILLE, CHATHAM, LITCHFIELD & SPENCER TOWNSHIPS AND THE CITY OF MEDINA))	$ 36.64	17.13
BRICKLAYER: SANDBLASTERS (CUYAHOGA, LORAIN & MEDINA (HINCKLEY, GRANGER, BRUNSWICK, LIVERPOOL, MONTVILLE, YORK, HOMER, HARRISVILLE, CHATHAM, LITCHFIELD & SPENCER TOWNSHIPS AND THE CITY OF MEDINA))	$ 36.39	17.13
BRICKLAYER: SEWER BRICKLAYERS & STACK BUILDERS (CUYAHOGA, LORAIN & MEDINA (HINCKLEY, GRANGER, BRUNSWICK, LIVERPOOL, MONTVILLE, YORK, HOMER, HARRISVILLE, CHATHAM, LITCHFIELD & SPENCER TOWNSHIPS AND THE CITY OF MEDINA))	$ 36.64	17.13
BRICKLAYER: SWING SCAFFOLDS (CUYAHOGA, LORAIN & MEDINA (HINCKLEY, GRANGER, BRUNSWICK, LIVERPOOL, MONTVILLE, YORK, HOMER, HARRISVILLE, CHATHAM, LITCHFIELD & SPENCER TOWNSHIPS AND THE CITY OF MEDINA))	$ 37.14	17.13

BROH0006-005 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (CARROLL, COLUMBIANA (KNOX, BUTLER, WEST & HANOVER TOWNSHIPS), STARK & TUSCARAWAS)	$ 33.39	20.06

BROH0007-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (LAWRENCE)	$ 33.39	20.06

BROH0007-005 06/01/2023

	Rates	Fringes
BRICKLAYER (PORTAGE & SUMMIT)	$ 32.40	19.30

BROH0007-010 06/01/2024

	Rates	Fringes
MASON - STONE (PORTAGE & SUMMIT)	$ 33.39	20.06

BROH0008-001 06/01/2024

	Rates	Fringes
BRICKLAYER (COLUMBIANA (SALEM, PERRY, FAIRFIELD, CENTER, ELK RUN, MIDDLETON, & UNITY TOWNSHIPS AND		

THE CITY OF NEW WATERFORD), MAHONING & TRUMBULL)....$ 33.39 20.06

BROH0009-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (BELMONT & MONROE COUNTIES AND THE TOWNSHIPS OF WARREN & MT. PLEASANT AND THE VILLAGE OF DILLONVALE IN JEFFERSON COUNTY).....	$ 33.39	20.06
REFRACTORY (BELMONT & MONROE COUNTIES AND THE TOWNSHIPS OF WARREN & MT. PLEASANT AND THE VILLAGE OF DILLONVALE IN JEFFERSON COUNTY).....	$ 31.45	19.01

BROH0010-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (COLUMBIANA (ST. CLAIR, MADISON, WAYNE, FRANKLIN, WASHINGTON, YELLOW CREEK & LIVERPOOL TOWNSHIPS) & JEFFERSON (BRUSH CREEK & SALINE TOWNSHIPS)).....	$ 33.39	20.06

BROH0014-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (HARRISON & JEFFERSON (EXCEPT MT. PLEASANT, WARREN, BRUSH CREEK, SALINE & SALINEVILLE TOWNSHIPS & THE VILLAGE OF DILLONVALE)).....	$ 33.39	20.06

BROH0016-002 06/01/2023

	Rates	Fringes
BRICKLAYER, STONEMASON (ASHTABULA, GEAUGA, AND LAKE COUNTIES).....	$ 32.40	19.30

BROH0018-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (BROWN, BUTLER, CLERMONT, HAMILTON, PREBLE (GASPER, DIXON, ISRAEL, LANIER, SOMERS & GRATIS TOWNSHIPS) & WARREN COUNTIES:).....	$ 33.39	20.06

BROH0022-004 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (CHAMPAIGN, CLARK, CLINTON, DARKE, GREENE, HIGHLAND, LOGAN, MIAMI, MONTGOMERY, PREBLE (JACKSON, MONROE, HARRISON, TWIN, JEFFERSON & WASHINGTON TOWNSHIPS) AND SHELBY COUNTIES).....	$ 33.39	20.06

BROH0032-001 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (GALLIA & MEIGS).....	$ 33.39	20.06

BROH0035-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (ALLEN, AUGLAIZE, MERCER AND VAN WERT COUNTIES).....	$ 33.39	20.06

BROH0039-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (ADAMS & SCIOTO).....	$ 33.39	20.06

BROH0040-003 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (ASHLAND, CRAWFORD, HARDIN, HOLMES, MARION, MORROW, RICHLAND, WAYNE AND WYANDOT (EXCEPT CRAWFORD, RIDGE, RICHLAND & TYMOCHTEE TOWNSHIPS) COUNTIES) FOOTNOTE: LAYOUT MAN AND SAWMAN RATE: $1.00 PER HOUR ABOVE JOURNEYMAN RATE. FREE STANDING STACK WORK GROUND LEVEL TO TOP OF STACK; SANDBLASTING AND LAYING OF CARBON MASONRY MATERIAL IN SWING STAGE AND/OR SCAFFOLD; RAMMING AND SPADING OF PLASTICS AND GUNNITING: $1.50 PER HOUR ABOVE JOURNEYMAN RATE. ""HOT"" WORK: $2.50 ABOVE JOURNEYMAN RATE	$ 33.39	20.06

BROH0044-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (COSHOCTON, FAIRFIELD, GUERNSEY, HOCKING, KNOX, KICKING, MORGAN, MUSKINGUM, NOBLE (BEAVER, BUFFALO, SENECA & WAYNE TOWNSHIPS) & PERRY COUNTIES:)	$ 33.39	20.06

BROH0045-002 06/01/2023

	Rates	Fringes
BRICKLAYER, STONEMASON (FAYETTE, JACKSON, PIKE, ROSS AND VINTON COUNTIES)	$ 35.39	17.47

BROH0046-002 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (ERIE, HANCOCK, HURON, OTTAWA, SANDUSKY, SENECA, WOOD (PERRY & BLOOM TOWNSHIPS) AND WYANDOT (TYMOCHTEE, CRAWFORD, RIDGE & RICHLAND TOWNSHIPS) COUNTIES & THE ISLANDS OF LAKE ERIE NORTH OF SANDUSKY) FOOTNOTE: LAYOUT MAN AND SAWMAN RATE: $1.00 PER HOUR ABOVE JOURNEYMAN RATE. FREE STANDING STACK WORK GROUND LEVEL TO TOP OF STACK; SANDBLASTING AND LAYING OF CARBON MASONRY MATERIAL IN SWING STAGE AND/OR SCAFFOLD; RAMMING AND SPADING OF PLASTICS AND GUNNITING: $1.50 PER HOUR ABOVE JOURNEYMAN RATE. ""HOT"" WORK: $2.50 ABOVE JOURNEYMAN RATE	$ 33.39	20.06

BROH0052-001 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (ATHENS COUNTY)	$ 33.39	20.06

BROH0052-003 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (NOBLE (BROOKFIELD, NOBLE, CENTER, SHARON, OLIVE, ENOCH, STOCK, JACKSON, JEFFERSON & ELK TOWNSHIPS) AND WASHINGTON COUNTIES)	$ 33.39	20.06

BROH0055-003 06/01/2024

	Rates	Fringes
BRICKLAYER, STONEMASON (DELAWARE, FRANKLIN, MADISON, PICKAWAY AND UNION COUNTIES)	$ 33.39	20.06

CARP0002-024 05/01/2025

	Rates	Fringes
CARPENTER & PILEDRIVERMEN (BROWN, BUTLER, CHAMPAIGN, CLARK, CLERMONT, CLINTON, DARKE, GREENE, HAMILTON, LOGAN, MIAMI, MONTGOMERY, PREBLE, SHELBY & WARREN)	$ 35.94	23.59
DIVER (BROWN, BUTLER, CHAMPAIGN, CLARK, CLERMONT, CLINTON, DARKE, GREENE, HAMILTON, LOGAN, MIAMI, MONTGOMERY, PREBLE, SHELBY & WARREN)	$ 40.58	9.69

CARP0171-001 05/01/2025

	Rates	Fringes
CARPENTER (MAHONING & TRUMBULL)	$ 33.19	25.02

CARP0171-002 05/01/2025

	Rates	Fringes
CARPENTER (BELMONT, COLUMBIANA, HARRISON, JEFFERSON & MONROE)	$ 32.50	26.19

CARP0200-002 05/01/2025

	Rates	Fringes
CARPENTER (ADAMS, ATHENS, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GUERNSEY, HIGHLAND, HOCKING, JACKSON, LAWRENCE, LICKING, MADISON, MARION, MEIGS, MORGAN, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, ROSS, SCIOTO, UNION, VINTON AND WASHINGTON COUNTIES)	$ 35.94	23.59
DIVER (ADAMS, ATHENS, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GUERNSEY, HIGHLAND, HOCKING, JACKSON, LAWRENCE, LICKING, MADISON, MARION, MEIGS, MORGAN, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, ROSS, SCIOTO, UNION, VINTON AND WASHINGTON COUNTIES)	$ 39.41	10.40
PILEDRIVERMAN (ADAMS, ATHENS, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GUERNSEY, HIGHLAND, HOCKING, JACKSON, LAWRENCE, LICKING, MADISON, MARION, MEIGS, MORGAN, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, ROSS, SCIOTO, UNION, VINTON AND WASHINGTON COUNTIES)	$ 35.94	23.59

CARP0285-001 05/01/2025

	Rates	Fringes
CARPENTER (CARROLL, STARK, TUSCARAWAS AND WAYNE)	$ 34.07	24.28

CARP0285-002 05/01/2025

	Rates	Fringes
CARPENTER (COSHOCTON, HOLMES, KNOX & MORROW)	$ 33.38	24.69

CARP0285-008 05/01/2025

	Rates	Fringes
CARPENTER (MEDINA, PORTAGE & SUMMIT)	$ 37.18	25.07

CARP0351-005 05/01/2025

	Rates	Fringes
CARPENTER (LUCAS & WOOD)	$ 35.44	27.56

CARP0351-006 05/01/2025

	Rates	Fringes

CARPENTER (DEFIANCE, FULTON, HANCOCK, HENRY, PAULDING & WILLIAMS COUNTIES).....$ 32.05 26.13

CARP0372-002 05/01/2025

	Rates	Fringes
CARPENTER (ALLEN, AUGLAIZE, HARDIN, MERCER, PUTNAM & VAN WERT).....	$ 31.80	26.33

CARP0435-005 05/01/2025

	Rates	Fringes
CARPENTER (ASHTABULA, CUYAHOGA, GEAUGA & LAKE).....	$ 38.57	24.64

CARP0735-001 05/01/2025

	Rates	Fringes
CARPENTER (ASHLAND, HURON & RICHLAND).....	$ 34.67	23.57

CARP0735-002 05/01/2025

	Rates	Fringes
CARPENTER (LORAIN).....	$ 38.42	24.01

CARP0735-004 05/01/2025

	Rates	Fringes
CARPENTER (ERIE).....	$ 36.71	24.14

CARP0744-001 05/01/2025

	Rates	Fringes
CARPENTER (CRAWFORD, OTTAWA, SANDUSKY, SENECA & WYANDOT).....	$ 33.74	27.05

CARP1090-002 05/01/2025

	Rates	Fringes
PILEDRIVERMEN & DIVER'S TENDER (ALLEN, AUGLAIZE, HARDIN, MERCER, PUTNAM, VAN WERT & WYANDOT) DIVERS - $250.00 PER DAY.....	$ 35.94	28.39

CARP1090-003 05/01/2025

	Rates	Fringes
DIVER, WET (BELMONT, HARRISON, & MONROE).....	$ 58.52	24.91
PILEDRIVERMEN; DIVER, DRY (BELMONT, HARRISON, & MONROE).....	$ 39.01	24.91

CARP1090-004 05/01/2025

	Rates	Fringes
DIVER, WET (CARROLL, STARK, TUSCARAWAS & WAYNE).....	$ 49.82	25.40
PILEDRIVERMEN; DIVER, DRY (CARROLL, STARK, TUSCARAWAS & WAYNE).....	$ 33.21	25.40

CARP1090-005 05/01/2025

	Rates	Fringes
DIVER, WET (ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND & SUMMIT).....	$ 54.51	27.50
PILEDRIVERMEN; DIVER, DRY (ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND & SUMMIT).....	$ 36.34	27.50

CARP1090-006 05/01/2025

	Rates	Fringes
DIVER, WET (COSHOCTON, HOLMES, KNOX & MORROW)	$ 54.36	22.54
PILEDRIVERMEN; DIVER, DRY (COSHOCTON, HOLMES, KNOX & MORROW)	$ 36.24	22.54

CARP1090-007 05/01/2025

	Rates	Fringes
DIVER, WET (MAHONING & TRUMBULL)	$ 50.85	24.82
PILEDRIVERMEN; DIVER, DRY (MAHONING & TRUMBULL)	$ 33.90	24.82

CARP1090-008 05/01/2025

	Rates	Fringes
PILEDRIVERMAN (COLUMBIANA & JEFFERSON)	$ 39.01	24.91

CARP1090-009 05/01/2025

	Rates	Fringes
PILEDRIVERMEN & DIVER'S TENDER (CRAWFORD, DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA, PAULDING, SANDUSKY, SENECA, WILLIAMS & WOOD) DIVERS - $250.00 PER DAY	$ 37.98	28.63

ELEC0008-002 05/27/2024

	Rates	Fringes
CABLE SPLICER (DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS & WOOD)	$ 38.98	18.96
ELECTRICIAN (DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS & WOOD)	$ 48.40	25.24

ELEC0032-003 06/01/2025

	Rates	Fringes
ELECTRICIAN (ALLEN, AUGLAIZE, HARDIN, LOGAN, MERCER, SHELBY, VAN WERT & WYANDOT (CRAWFORD, JACKSON, MARSEILLES, MIFFLIN, RIDGELAND, RIDGE & SALEM TOWNSHIPS))	$ 39.17	23.60

ELEC0038-002 04/28/2025

	Rates	Fringes
ELECTRICIAN, EXCLUDING SOUND & COMMUNICATIONS WORK. FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY	$ 46.63	24.92

ELEC0038-008 04/28/2025

	Rates	Fringes
SOUND & COMMUNICATION TECHNICIAN: COMMUNICATIONS TECHNICIAN (CUYAHOGA, GEAUGA (BAINBRIDGE, CHESTER & RUSSELL TOWNSHIPS) & LORAIN (COLUMBIA TOWNSHIP)) FOOTNOTES; A. 6 PAID HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; JULY 4TH; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY B. 1 WEEK'S PAID VACATION		

FOR 1 YEAR'S SERVICE; 2 WEEKS' PAID VACATION FOR 2 OR MORE YEARS' SERVICE.....$ 34.30 14.95
SOUND & COMMUNICATION TECHNICIAN: INSTALLER TECHNICIAN (CUYAHOGA, GEAUGA (BAINBRIDGE, CHESTER & RUSSELL TOWNSHIPS) & LORAIN (COLUMBIA TOWNSHIP))
FOOTNOTES; A. 6 PAID HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; JULY 4TH; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY B. 1 WEEK'S PAID VACATION FOR 1 YEAR'S SERVICE; 2 WEEKS' PAID VACATION FOR 2 OR MORE YEARS' SERVICE.....$ 33.05 14.91

ELEC0064-003 11/30/2025

	Rates	Fringes
ELECTRICIAN (COLUMBIANA (BUTLER, FAIRFIELD, PERRY, SALEM & UNITY TOWNSHIPS) MAHONING (AUSTINTOWN, BEAVER, BERLIN, BOARDMAN, CANFIELD, ELLSWORTH, COITSVILLE, GOSHEN, GREEN, JACKSON, POLAND, SPRINGFIELD & YOUNGSTOWN TOWNSHIPS), & TRUMBULL (HUBBARD & LIBERTY TOWNSHIPS))	$ 41.49	21.81

ELEC0071-005 01/06/2025

	Rates	Fringes
LINE CONSTRUCTION: EQUIPMENT OPERATOR: DOT/TRAFFIC SIGNAL & HIGHWAY LIGHTING PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN)	$ 39.97	18.79
LINE CONSTRUCTION: EQUIPMENT OPERATOR: MUNICIPAL POWER/TRANSIT PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN)	$ 49.46	21.60
LINE CONSTRUCTION: GROUNDMAN: DOT/TRAFFIC SIGNAL & HIGHWAY LIGHTING PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN)	$ 31.10	16.40
LINE CONSTRUCTION: GROUNDMAN: MUNICIPAL POWER/TRANSIT PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN)	$ 38.47	18.64
LINE CONSTRUCTION: LINEMEN/CABLE SPLICER: DOT/TRAFFIC SIGNAL & HIGHWAY LIGHTING PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN)	$ 43.89	19.85
LINE CONSTRUCTION: LINEMEN/CABLE SPLICER: MUNICIPAL POWER/TRANSIT PROJECTS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN)	$ 54.96	23.09

ELEC0071-010 01/06/2025

	Rates	Fringes
LINE CONSTRUCTION: EQUIPMENT OPERATOR (STATEWIDE)	$ 40.44	17.71
LINE CONSTRUCTION: GROUNDMAN (STATEWIDE)	$ 29.07	14.97
LINE CONSTRUCTION: LINEMAN & CABLE SPLICERS (STATEWIDE)	$ 46.02	19.04

ELEC0082-002 12/02/2024

	Rates	Fringes
ELECTRICIAN (CLINTON, DARKE, GREENE, MIAMI, MONTGOMERY, PREBLE & WARREN (WAYNE, CLEAR CREEK & FRANKLIN TOWNSHIPS))	$ 38.00	22.49

ELEC0082-006 11/25/2024

	Rates	Fringes
SOUND & COMMUNICATION TECHNICIAN: CABLE PULLER (CLINTON, DARKE, GREENE, MIAMI, MONTGOMERY, PREBLE & WARREN (WAYNE, CLEAR CREEK & FRANKLIN TOWNSHIPS))	$ 13.85	5.30
SOUND & COMMUNICATION TECHNICIAN:		

INSTALLER/TECHNICIAN (CLINTON, DARKE, GREENE, MIAMI, MONTGOMERY, PREBLE & WARREN (WAYNE, CLEAR CREEK & FRANKLIN TOWNSHIPS))..... $ 27.70 15.71

ELEC0129-003 02/24/2025

	Rates	Fringes
ELECTRICIAN (LORAIN (EXCEPT COLUMBIA TOWNSHIP) & MEDINA (LITCHFIELD & LIVERPOOL TOWNSHIPS)).....	$ 42.95	18.81

ELEC0129-004 02/24/2025

	Rates	Fringes
ELECTRICIAN (ERIE & HURON (LYME, RIDGEFIELD, NORWALK, TOWNSEND, WAKEMAN, SHERMAN, PERU, BRONSON, HARTLAND, CLARKSFIELD, NORWICH, GREENFIELD, FAIRFIELD, FITCHVILLE & NEW LONDON TOWNSHIPS)).....	$ 42.95	18.81

ELEC0141-003 06/02/2025

	Rates	Fringes
CABLE SPLICER (BELMONT COUNTY).....	$ 42.94	27.74
ELECTRICIAN (BELMONT COUNTY).....	$ 39.25	31.23

ELEC0212-003 11/26/2018

	Rates	Fringes
SOUND & COMMUNICATION TECHNICIAN (BROWN, CLERMONT & HAMILTON).....	$ 24.35	10.99

ELEC0212-005 06/02/2025

	Rates	Fringes
ELECTRICIAN (BROWN, CLERMONT, AND HAMILTON COUNTIES).....	$ 38.05	22.97

ELEC0245-001 08/26/2024

	Rates	Fringes
LINE CONSTRUCTION: EQUIPMENT OPERATOR (ALLEN, HARDIN, VAN WERT & WYANDOT (CRAWFORD, JACKSON, MARSEILLES, MIFFLIN, RICHLAND, RIDGE & SALEM TOWNSHIPS)) FOOTNOTE: A. HALF DAY'S PAID HOLIDAY: THE LAST 4 HOURS OF THE WORKDAY PRIOR TO CHRISTMAS OR NEW YEAR'S DAY.....	$ 32.95	17.08
LINE CONSTRUCTION: GROUNDMAN TRUCK DRIVER (ALLEN, HARDIN, VAN WERT & WYANDOT (CRAWFORD, JACKSON, MARSEILLES, MIFFLIN, RICHLAND, RIDGE & SALEM TOWNSHIPS)): FOOTNOTE: A. HALF DAY'S PAID HOLIDAY: THE LAST 4 HOURS OF THE WORKDAY PRIOR TO CHRISTMAS OR NEW YEAR'S DAY.....	$ 20.59	13.62
LINE CONSTRUCTION: LINEMAN (ALLEN, HARDIN, VAN WERT & WYANDOT (CRAWFORD, JACKSON, MARSEILLES, MIFFLIN, RICHLAND, RIDGE & SALEM TOWNSHIPS)) FOOTNOTE: A. HALF DAY'S PAID HOLIDAY: THE LAST 4 HOURS OF THE WORKDAY PRIOR TO CHRISTMAS OR NEW YEAR'S DAY.....	$ 47.07	21.03

ELEC0245-003 01/01/2025

	Rates	Fringes
LINE CONSTRUCTION: CABLE SPLICER (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) : FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY;		

LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 53.90 23.19

LINE CONSTRUCTION: GROUNDMAN/TRUCK DRIVER (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 20.51 13.84

LINE CONSTRUCTION: HELI-ARC WELDING (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 47.17 21.31

LINE CONSTRUCTION: LINEMAN (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 46.87 21.22

LINE CONSTRUCTION: OPERATOR - CLASS 1 (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 37.50 18.60

LINE CONSTRUCTION: OPERATOR - CLASS 2 (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 32.81 17.29

LINE CONSTRUCTION: TRAFFIC SIGNAL & LIGHTING TECHNICIAN (DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, AND WOOD COUNTIES) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....$ 42.18 19.91

ELEC0245-004 01/01/2025

	Rates	Fringes
LINE CONSTRUCTION: CABLE SPLICER (ERIE COUNTY) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....	$ 53.90	23.19
LINE CONSTRUCTION: GROUNDMAN/TRUCK DRIVER (ERIE COUNTY) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....	$ 20.51	13.84
LINE CONSTRUCTION: LINEMAN (ERIE COUNTY) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....	$ 46.87	21.22
LINE CONSTRUCTION: OPERATOR - CLASS 1 (ERIE COUNTY) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....	$ 37.50	18.60
LINE CONSTRUCTION: OPERATOR - CLASS 2 (ERIE COUNTY) FOOTNOTE: A. 6 OBSERVED HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; INDEPENDENCE DAY; LABOR DAY; THANKSGIVING DAY; & CHRISTMAS DAY. EMPLOYEES WHO WORK ON A HOLIDAY SHALL BE PAID AT A RATE OF DOUBLE THEIR APPLICABLE CLASSIFIED STRAIGHT-TIME RATES FOR THE WORK PERFORMED ON SUCH HOLIDAY.....	$ 32.81	17.29

ELEC0246-001 10/28/2024

	Rates	Fringes
ELECTRICIAN (CARROLL, COLUMBIANA, HARRISON AND JEFFERSON COUNTIES IN OHIO; BROOKE AND HANCOCK COUNTIES IN WEST VIRGINIA.) FOOTNOTE: A. 1 1/2 PAID HOLIDAYS: THE LAST SCHEDULED WORKDAY PRIOR TO CHRISTMAS & 4 HOURS ON GOOD FRIDAY.....	$ 44.00	37.68

ELEC0306-005 05/27/2024

	Rates	Fringes
CABLE SPLICER (MEDINA (BRUNSWICK, CHATHAM, GRANGER, GUILFORD, HARRISVILLE, HINCKLEY, HOMER, LAFAYETTE, MEDINA, MONTVILLE, SHARON, SPENCER, WADSWORTH, WESTFIELD & YORK TOWNSHIPS), PORTAGE (ATWATER, AURORA, BRIMFIELD, DEERFIELD, FRANKLIN, MANTUA, RANDOLPH, RAVENNA, ROOTSTOWN, SHALERSVILLE, STREETSBORO & SUFFIELD TOWNSHIPS), SUMMIT & WAYNE (BAUGHMAN, CANAAN, CHESTER, CHIPPEWA, CONGRESS, GREEN, MILTON, & WAYNE TOWNSHIPS)).....	$ 46.81	20.95
ELECTRICIAN (MEDINA (BRUNSWICK, CHATHAM, GRANGER, GUILFORD, HARRISVILLE, HINCKLEY, HOMER, LAFAYETTE, MEDINA, MONTVILLE, SHARON, SPENCER, WADSWORTH, WESTFIELD & YORK TOWNSHIPS), PORTAGE (ATWATER, AURORA, BRIMFIELD, DEERFIELD, FRANKLIN, MANTUA,		

RANDOLPH, RAVENNA, ROOTSTOWN, SHALERSVILLE, STREETSBORO & SUFFIELD TOWNSHIPS), SUMMIT & WAYNE (BAUGHMAN, CANAAN, CHESTER, CHIPPEWA, CONGRESS, GREEN, MILTON, & WAYNE TOWNSHIPS))..... $ 42.55 20.95

ELEC0317-002 06/02/2025

	Rates	Fringes
CABLE SPLICER (GALLIA & LAWRENCE).....	$ 32.68	18.13
ELECTRICIAN (GALLIA & LAWRENCE).....	$ 41.15	29.35

ELEC0540-005 06/30/2025

	Rates	Fringes
ELECTRICIAN (CARROLL (NORTHERN HALF, INCLUDING FOX, HARRISON, ROSE & WASHINGTON TOWNHSHIPS), COLUMBIANA (KNOX TOWNSHIP), HOLMES, MAHONING (SMITH TOWNSHIP), STARK, TUSCARAWAS (NORTH OF AUBURN, CLAY, RUSH & YORK TOWNSHIPS), AND WAYNE (SOUTH OF BAUGHMAN, CHESTER, GREEN & WAYNE TOWNSHIPS) COUNTIES).....	$ 39.86	29.19

ELEC0573-003 06/01/2025

	Rates	Fringes
ELECTRICIAN (ASHTABULA (COLEBROOK, WAYNE, WILLIAMSFIELD, ORWELL & WINDSOR TOWNSHIPS), GEAUGA (AUBURN, MIDDLEFIELD, PARKMAN & TROY TOWNSHIPS), MAHONING (MILTON TOWNSHIP), PORTAGE (CHARLESTOWN, EDINBURG, FREEDOM, HIRAM, NELSON, PALMYRA, PARIS & WINDHAM TOWNSHIPS), AND TRUMBULL (EXCEPT LIBERTY & HUBBARD TOWNSHIPS)).....	$ 42.20	23.37

ELEC0575-001 05/29/2023

	Rates	Fringes
ELECTRICIAN (ADAMS, FAYETTE, HIGHLAND, HOCKING, JACKSON (BLOOMFIELD, FRANKLIN, HAMILTON, JEFFERSON, LICK, MADISON, SCIOTO, COAL, JACKSON, LIBERTY, MILTON & WASHINGTON TOWNSHIPS), PICKAWAY (DEER CREEK, PERRY, PICKAWAY, SALT CREEK & WAYNE TOWNSHIPS), PIKE (BEAVER, BENTON, JACKSON, MIFFLIN, PEBBLE, PEEPEE, PERRY, SEAL, CAMP CREEK, NEWTON, SCIOTO, SUNFISH, UNION & MARION TOWNSHIPS), ROSS, SCIOTO & VINTON (CLINTON, EAGLE, ELK, HARRISON, JACKSON, RICHLAND & SWAN TOWNSHIPS)).....	$ 37.00	22.26

ELEC0648-001 09/01/2025

	Rates	Fringes
CABLE SPLICER (BUTLER AND WARREN COUNTIES (DEERFIELD, HAMILTON, HARLAN, MASSIE, SALEM, TURTLE CREEK, UNION & WASHINGTON TOWNSHIPS)).....	$ 30.50	18.23
ELECTRICIAN (BUTLER AND WARREN COUNTIES (DEERFIELD, HAMILTON, HARLAN, MASSIE, SALEM, TURTLE CREEK, UNION & WASHINGTON TOWNSHIPS)).....	$ 38.00	24.16

ELEC0673-004 05/26/2025

	Rates	Fringes
CABLE SPLICER (ASHTABULA (EXCLUDING ORWELL, COLEBROOK, WILLIAMSFIELD, WAYNE & WINDSOR TOWNSHIPS), GEAUGA (BURTON, CHARDON, CLARIDON, HAMBDEN, HUNTSBURG, MONTVILLE, MUNSON, NEWBURY & THOMPSON TOWNSHIPS) AND LAKE COUNTIES).....	$ 33.81	21.47

ELECTRICIAN (ASHTABULA (EXCLUDING ORWELL, COLEBROOK, WILLIAMSFIELD, WAYNE & WINDSOR TOWNSHIPS), GEAUGA (BURTON, CHARDON, CLARIDON, HAMBDEN, HUNTSBURG, MONTVILLE, MUNSON, NEWBURY & THOMPSON TOWNSHIPS) AND LAKE COUNTIES).....$ 41.17 24.58

ELEC0683-002 06/02/2025

	Rates	Fringes
CABLE SPLICER (CHAMPAIGN, CLARK, DELAWARE, FAIRFIELD, FRANKLIN, MADISON, PICKAWAY (CIRCLEVILLE, DARBY, HARRISON, JACKSON, MADISON, MONROE, MUHLENBERG, SCIOTO, WALNUT & WASHINGTON TOWNSHIPS), AND UNION COUNTIES)	$ 44.00	26.40
ELECTRICIAN (CHAMPAIGN, CLARK, DELAWARE, FAIRFIELD, FRANKLIN, MADISON, PICKAWAY (CIRCLEVILLE, DARBY, HARRISON, JACKSON, MADISON, MONROE, MUHLENBERG, SCIOTO, WALNUT & WASHINGTON TOWNSHIPS), AND UNION COUNTIES)	$ 43.00	26.37

ELEC0688-003 05/30/2022

	Rates	Fringes
ELECTRICIAN (ASHLAND, CRAWFORD, HURON (RICHMOND, NEW HAVEN, RIPLEY & GREENWICH TOWNSHIPS), KNOX (LIBERTY, CLINTON, UNION, HOWARD, MONROE, MIDDLEBERRY, MORRIS, WAYNE, BERLIN, PIKE, BROWN & JEFFERSON TOWNSHIPS), MARION, MORROW, RICHLAND AND WYANDOT (SYCAMORE, CRANE, EDEN, PITT, ANTRIM & TYMOCHTEE TOWNSHIPS) COUNTIES)	$ 32.30	21.83

ELEC0972-002 06/01/2024

	Rates	Fringes
CABLE SPLICER (ATHENS, MEIGS, MONROE, MORGAN, NOBLE, VINTON (BROWN, KNOX, MADISON, VINTON & WILKESVILLE TOWNSHIPS), AND WASHINGTON COUNITES)	$ 40.25	33.33
ELECTRICIAN (ATHENS, MEIGS, MONROE, MORGAN, NOBLE, VINTON (BROWN, KNOX, MADISON, VINTON & WILKESVILLE TOWNSHIPS), AND WASHINGTON COUNITES)	$ 40.00	33.32

ELEC1105-001 05/27/2024

	Rates	Fringes
ELECTRICIAN (COSHOCTON, GUERNSEY, KNOX (JACKSON, CLAY, MORGAN, MILLER, MILFORD, HILLIAR, BUTLER, HARRISON, PLEASANT & COLLEGE TOWNSHIPS), LICKING, MUSKINGUM, PERRY, AND TUSCARAWAS (AUBURN, YORK, CLAY, JEFFERSON, RUSH, OXFORD, WASHINGTON, SALEM, PERRY & BUCKS TOWNSHIPS) COUNTIES)	$ 39.60	24.41

ENGI0018-003 05/01/2024

	Rates	Fringes
POWER EQUIPMENT OPERATOR: GROUP 1- AIR COMPRESSOR ON STEEL ERECTION; BARRIER MOVING MACHINE; BOILER OPERATOR ON COMPRESSOR OR GENERATOR WHEN MOUNTED ON A RIG; CABLEWAY; COMBINATION CONCRETE MIXER & TOWER; CONCRETE PLANT (OVER 4 YD. CAPACITY); CONCRETE PUMP; CRANE (ALL TYPES, INCLUDING BOOM TRUCK, CHERRY PICKER); CRANE-COMPACT, TRACK OR RUBBER OVER 4,000 LBS. CAPACITY; CRANES-SELF ERECTING, STATIONARY, TRACK OR TRUCK (ALL CONFIGURATIONS); DERRICK; DRAGLINE; DREDGE (DIPPER, CLAM OR SUCTION); ELEVATING GRADER OR EUCLID		

LOADER; FLOATING EQUIPMENT (ALL TYPES); GRADALL; HELICOPTER CREW (OPERATOR-HOIST OR WINCH); HOE (ALL TYPES); HOISTING ENGINE ON SHAFT OR TUNNEL WORK; HYDRAULIC GANTRY (LIFTING SYSTEM); INDUSTRIAL-TYPE TRACTOR; JET ENGINE DRYER (D8 OR D9) DIESEL TRACTOR; LOCOMOTIVE (STANDARD GAUGE); MAINTENANCE OPERATOR CLASS A; MIXER, PAVING (SINGLE OR DOUBLE DRUM); MUCKING MACHINE; MULTIPLE SCRAPER; PILEDRIVING MACHINE (ALL TYPES); POWER SHOVEL; PRENTICE LOADER; QUAD 9 (DOUBLE PUSHER); RAIL TAMPER (WITH AUTO LIFTING & ALIGNING DEVICE); REFRIGERATING MACHINE (FREEZER OPERATION); ROTARY DRILL, ON CAISSON WORK; ROUGH TERRAIN FORK LIFT WITH WINCH/HOIST; SIDE-BOOM; SLIP-FORM PAVER; TOWER DERRICK; TREE SHREDDER; TRENCH MACHINE (OVER 24"" WIDE); TRUCK MOUNTED CONCRETE PUMP; TUG BOAT; TUNNEL MACHINE AND/OR MINING MACHINE; WHEEL EXCAVATOR; AND ASPHALT PLANT ENGINEER (CLEVELAND DISTRICT ONLY). (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).....$ 45.63 16.41

POWER EQUIPMENT OPERATOR: GROUP 2- ASPHALT PAVER; AUTOMATIC SUBGRADER MACHINE, SELF-PROPELLED (CMI TYPE); BOBCAT TYPE AND/OR SKID STEER LOADER WITH HOE ATTACHMENT GREATER THAN 7,000 LBS.; BORING MACHINE MORE THAN 48""; BULLDOZER; ENDLOADER; HORIZONTAL DIRECTIONAL DRILL (OVER 50,000 FT LBS THRUST); HYDRO MILLING MACHINE; KOLMAN-TYPE LOADER (PRODUCTION TYPE-DIRT); LEAD GREASEMAN; LIGHTING & TRAFFIC SIGNAL INSTALLATION EQUIPMENT (INCLUDES ALL GROUPS OR CLASSIFICATIONS); MATERIAL TRANSFER EQUIPMENT (SHUTTLE BUGGY) ASPHALT; PETTIBONE-RAIL EQUIPMENT; POWER GRADER; POWER SCRAPER; PUSH CAT; ROTOMILL (ALL), GRINDERS & PLANERS OF ALL TYPES; TRENCH MACHINE (24"" WIDE & UNDER); VERMEER TYPE CONCRETE SAW; AND MAINTENANCE OPERATORS (PORTAGE AND SUMMIT COUNTIES ONLY). (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).....$ 45.53 16.41

POWER EQUIPMENT OPERATOR: GROUP 3- A-FRAME; AIR COMPRESSOR ON TUNNEL WORK (LOW PRESSURE); ASPHALT PLANT ENGINEER (PORTAGE AND SUMMIT COUNTIES ONLY); BOBCAT-TYPE AND/OR SKID STEER LOADER WITH OR WITHOUT ATTACHMENTS; HIGHWAY DRILLS (ALL TYPES); LOCOMOTIVE (NARROW GAUGE); MATERIAL HOIST/ELEVATOR; MIXER, CONCRETE (MORE THAN ONE BAG CAPACITY); MIXER, ONE BAG CAPACITY (SIDE LOADER); POWER BOILER (OVER 15 LBS. PRESSURE) PUMP OPERATOR INSTALLING & OPERATING WELL POINTS; PUMP (4"" & OVER DISCHARGE); ROLLER, ASPHALT; ROTOVATOR (LIME SOIL STABILIZER); SWITCH & TIE TAMPERS (WITHOUT LIFTING & ALIGNING DEVICE); UTILITY OPERATOR (SMALL EQUIPMENT); WELDING MACHINES; AND RAILROAD TIE INSERTER/REMOVER; ARTICULATING/STRAIGHT BED END DUMPS IF ASSIGNED (MINUS $4.00 PER HOUR. (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).....$ 44.49 16.41

POWER EQUIPMENT OPERATOR: GROUP 4- BACKFILLER; BALLAST RE-LOCATOR; BARS, JOINT & MESH INSTALLING MACHINE; BATCH PLANT; BORING MACHINE OPERATOR (48"" OR LESS); BULL FLOATS; BURLAP & CURING MACHINE; CONCRETE PLANT (CAPACITY 4 YD. & UNDER); CONCRETE SAW (MULTIPLE); CONVEYOR (HIGHWAY); CRUSHER; DECKHAND; FARM-TYPE TRACTOR WITH ATTACHMENTS (HIGHWAY); FINISHING MACHINE; FIREPERSON, FLOATING

EQUIPMENT (ALL TYPES); FORKLIFT; FORM TRENCHER; HYDRO HAMMER EXPECT MASONARY; HYDRO SEEDER; PAVEMENT BREAKER; PLANT MIXER; POST DRIVER; POST HOLE DIGGER (POWER AUGER); POWER BRUSH BURNER; POWER FORM HANDLING EQUIPMENT; ROAD WIDENING TRENCHER; ROLLER (BRICK, GRADE & MACADAM); SELF-PROPELLED POWER SPREADER; SELF-PROPELLED POWER SUBGRADER; STEAM FIREPERSON; TRACTOR (PULLING SHEEPFOOT, ROLLER OR GRADER); AND VIBRATORY COMPACTOR WITH INTEGRAL POWER. (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).....$ 43.27 16.41

POWER EQUIPMENT OPERATOR: GROUP 5- COMPRESSOR (PORTABLE, SEWER, HEAVY & HIGHWAY); DRUM FIREPERSON (ASPHALT PLANT); GENERATOR; MASONRY FORK LIFT; INBOARD-OUTBOARD MOTOR BOAT LAUNCH; OIL HEATER (ASPHALT PLANT); OILER/HELPER; POWER DRIVEN HEATER; POWER SWEEPER & SCRUBBER; PUMP (UNDER 4"" DISCHARGE); SIGNALPERSON; TIRE REPAIRPERSON; VAC/ALLS; CRANES - COMPACT, TRACK OR RUBBER UNDER 4,000 POUND CAPACITY; FUELING AND GREASING; AND CHAINMEN. (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).$ 37.98 16.41

POWER EQUIPMENT OPERATOR: GROUP 6- MASTER MECHANIC & BOOM FROM 150 TO 180. (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).....$ 46.63 16.41

POWER EQUIPMENT OPERATOR: GROUP 7- BOOM FROM 180 AND OVER. (ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, AND SUMMIT COUNTIES).$ 46.63 16.41

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	Rates	Fringes

POWER EQUIPMENT OPERATOR: GROUP 1- AIR COMPRESSOR ON STEEL ERECTION; BARRIER MOVING MACHINE; BOILER OPERATOR ON COMPRESSOR OR GENERATOR WHEN MOUNTED ON A RIG; CABLEWAY; COMBINATION CONCRETE MIXER & TOWER; CONCRETE PLANT (OVER 4 YD. CAPACITY); CONCRETE PUMP; CRANE (ALL TYPES, INCLUDING BOOM TRUCK, CHERRY PICKER); CRANE-COMPACT, TRACK OR RUBBER OVER 4,000 LBS. CAPACITY; CRANES-SELF-ERECTING, STATIONARY, TRACK OR TRUCK (ALL CONFIGURATIONS); DERRICK; DRAGLINE; DREDGE (DIPPER, CLAM OR SUCTION); ELEVATING GRADER OR EUCLID LOADER; FLOATING EQUIPMENT (ALL TYPES); GRADALL; HELICOPTER CREW (OPERATOR-HOIST OR WINCH); HOE (ALL TYPES); HOISTING ENGINE ON SHAFT OR TUNNEL WORK; HYDRAULIC GANTRY (LIFTING SYSTEM); INDUSTRIAL-TYPE TRACTOR; JET ENGINE DRYER (D8 OR D9) DIESEL TRACTOR; LOCOMOTIVE (STANDARD GAUGE); MAINTENANCE OPERATOR CLASS A; MIXER, PAVING 9SINGLE OR DOUBLE DRUM); MUCKING MACHINE; MULTIPLE SCRAPER; PILEDRIVING MACHINE (ALL TYPES); POWER SHOVEL; PRENTICE LOADER; QUAD 9 (DOUBLE PUSHER); RAIL TAMPER (WITH AUTO LIFTING & ALIGNING DEVICE); REFRIGERATING MACHINE (FREEZER OPERATORON); ROTARY DRILL, ON CAISSON WORK; ROUGH TERRAIN FORK LIFT WITH WINCH/HOIST; SIDE-BOOM; SLIP-FORM PAVER; TOWER DERRICK; TREE SHREDDER; TRENCH MACHINE (OVER 24' WIDE); TRUCK MOUNTED CONCRETE PUMP; TUG BOAT; TUNNEL MACHINE AND/OR MINING MACHINE; AND WHEEL EXCAVATOR. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON,

CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 44.14 16.41

POWER EQUIPMENT OPERATOR: GROUP 2- ASPHALT PAVER; AUTOMATIC SUBGRADER MACHINE, SELF-PROPELLED (CMI TYPE); BOBCAT TYPE AND/OR SKID STEER LOADER WITH HOE ATTACHMENT GREATER THAN 7,000 LBS.; BORING MACHINE MRE THAN 48""; BULLDOZER; ENDLOADER; HYDRO MILLING MACHINE; HORIZONTAL DIRECTIONAL DRILL (OVER 50,000 FT. LBS. THURUST); KOLMAN-TYPE LOADER (PRODUCTION TYPE-DIRT); LEAD GREASEMAN; LIGHTING & TRAFFIC SIGNAL INSTALLATION EQUIPMENT (INCLUDES ALL GROUPS OR CLASSIFICATIONS); MATERIAL TRANSFER EQUIPMENT (SHUTTLE BUGGY); ASHPHALT; PETTIBONE-RAIL EQUIPMENT; POWER GRADER; POWER SCRAPER; PUSH CAT; ROTOMILL (ALL), GRINDERS & PLANERS OF ALL TYPES; TRENCH MACHINE (24' WIDE & UNDER); AND VERMEER TYPE CONCRETE SAW. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 44.02 16.41

POWER EQUIPMENT OPERATOR: GROUP 3- A-FRAME; AIR COMPRESSOR ON TUNNEL WORK (LOW PRESSURE); ASPHALT PLANT ENGINEER; BOBCAT-TYPE AND/OR SKID STEER LOADER WITH OR WITHOUT ATTACHMENTS; HIGHWAY DRILLS (ALL TYPES); LOCOMOTIVE (NARROW GAUGE); MATERIAL HOIST/ELEVATOR; MIXER, CONCRETE (MORE THAN ONE BAG CAPACITY); MIXER, ONE BAG CAPACITY (SIDE LOADER); POWER BOILER (OVER 15 LBS. PRESSURE) PUMP OPERATOR INSTALLING & OPERATING WELL POINTS; PUMP (4' & OVER DISCHARGE); RAILROAD TIE INSERTER/REMOVER; ROLLER, ASPHALT; ROTOVATOR (LIME SOIL STABILIZER); SWITCH & TIE TAMPERS (WITHOUT LIFTING & ALIGNING DEVICE); UTILITY OPERATOR (SMALL EQUIPMENT); AND WELDING MACHINES: ARTICULATING/STRAIGHT BED END DUMPS IF ASSIGNED (MINUS $4.00 PER HOUR). (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM,

NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 42.98 16.41

POWER EQUIPMENT OPERATOR: GROUP 4- BACKFILLER; BALLAST RE-LOCATOR; BARS, JOINT & MESH INSTALLING MACHINE; BATCH PLANT; BORING MACHINE OPERATOR (48' OR LESS); BULL FLOATS; BURLAP & CURING MACHINE; CONCRETE PLANT (CAPACITY 4 YD. & UNDER); CONCRETE SAW (MULTIPLE); CONVEYOR (HIGHWAY); CRUSHER; DECKHAND; FARM-TYPE TRACTOR WITH ATTACHMENTS (HIGHWAY); FINISHING MACHINE; FIREPERSON, FLOATING EQUIPMENT (ALL TYPES); FORK LIFT; FORM TRENCHER; HYDRO HAMMER EXCEPT MASONARY; HYDRO SEEDER; PAVEMENT BREAKER; PLANT MIXER; POST DRIVER; POST HOLE DIGGER (POWER AUGER); POWER BRUSH BURNER; POWER FORM HANDLING EQUIPMENT; ROAD WIDENING TRENCHER; ROLLER (BRICK, GRADE, & MACADAM); SELF-PROPELLED POWER SPREADER; SELF-PROPELLED POWER SUBGRADER; STEAM FIREPERSON; TRACTOR (PULLING SHEEPFOOT, ROLLER OR GRADER); AND VIBRATORY COMPACTOR WITH INTEGRAL POWER. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 41.80 16.41

POWER EQUIPMENT OPERATOR: GROUP 5- COMPRESSOR (PORTABLE, SEWER, HEAVY & HIGHWAY); DRUM FIREPERSON (ASPHALT PLANT); GENERATOR; MASONARY FORKLIFT; INBOARD-OUTBOARD MOTOR BOAT LAUNCH; OIL HEATER (ASPHALT PLANT); OILER/HELPER; POWER DRIVEN HEATER; POWER SWEEPER & SCRUBBER; PUMP (UNDER 4' DISCHARGE); SIGNALPERSON; TIRE REPAIRPERSON; VAC/ALLS; CRANES-COMPACT, TRACK OR RUBBER UNDER 4,000 POUND CAPACITY; FUELING AND GREASING; AND CHAINMEN. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 36.34 16.41

POWER EQUIPMENT OPERATOR: GROUP 6- MASTER MECHANIC & BOOM FROM 150 TO 180. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON,

CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 45.14 16.41

POWER EQUIPMENT OPERATOR: GROUP 7- BOOM FROM 180 AND OVER. (ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, AND YANDOT COUNTIES).....$ 45.14 16.41

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	Rates	Fringes
POWER EQUIPMENT OPERATOR: ALL OTHER WORK GROUP 1- RIG, PILE DRIVER OR CAISSON TYPE; & RIG, PILE HYDRAULIC UNIT ATTACHED. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES)	$ 37.19	24.30

POWER EQUIPMENT OPERATOR: ALL OTHER WORK GROUP 2 - ASPHALT HEATER PLANER; BACKFILLER WITH DRAG ATTACHMENT; BACKHOE; BACKHOE WITH SHEAR ATTACHED; BACKHOE-REAR PIVOTAL SWING; BATCH PLANT-CENTRAL MIX CONCRETE; BATCH PLANT, PORTABLE CONCRETE; BERM BUILDER-AUTOMATIC; BOAT DERRICK; BOAT-TUG; BORING MACHINE ATTACHED TO TRACTOR; BULLCLAM; VULLDOZER; C.M.I. ROAD BUILDER & SIMILAR TYPE; CABLE PLACER &LATYER; CARRIER-STRADDLE; CARRYALL-SCRAPER OR SCOPP; CHICAGO BOOM; COMPACTOR WITH BLAD ATTACHED; CONCRETE SAW (VERMEER OR SIMILAR TYPE); CONCRETE SPREADER FINISHER; COMBINATION, BIDWELL MACHINE; CRANE; CRANE-ELECTRIC OVERHEAD; CRANE-ROUGH TERRAIN; CRANE-SIDE BOOM; CRANE-TRUCK; CRANE-TOWER; DERRICK-BOOM; DERRICK-CAR; DIGGER -WHEEL (NOT TRENCHER OR ROAD WIDENER); DOUBLE NINE; DRAG LINE; DREDGE; DRILL-KENNY OR SIMILAR TYPE; EASY POUR MEDIAN BARRIER MACHINE (OR SIMILAR TYPE); ELECTROMATIC; FRANKIE PILE; GRADALL; GRADER; GURRY; SELF-PROPELLED; HEAVY EQUIPMENT ROBOTICS OPERATOR/MECHANIC; HOIST-MONORAIL; HOIST-STATIONARY & MOBILE TRACTOR; HOIST, 2 OR 3 DRUM; HORIZONTAL DIRECTIONAL DRILL OPERATOR; JACKALL; JUMBO MACHINE; KOCAL & KUHLMAN; LAND-SEAGOING VEHICLE; LOADER, ELEVATING; LOADER, FRONT END; LOADER, SKID STEER; LOCOMOTIVE; MECHANIC/WELDER; METRO CHIP HARVESTER WITH BOO; MUCKING MACHINE; PAVER-ASPHALT FINISHING MACHINE; PAVER-ROAD CONCRETE; PAVER-SLIP FORM (C.M.I. OR SIMILAR); PLACE CRETE MACHINE WITH BOOM;

POST DRIVER (CARRIER MOUNTED); POWER DRIVEN HYDRAULIC PUMP & JACK (WHEN USED IN SLIP FORM OR LIFT SLAB CONSTRUCTION); PUMP CRETE MACHINE; REGULATOR-BALLAST; HYRAULIC POWER UNIT NOT ATTACHED TO RIG FOR PILE DRILLINGS; RIGS-DRILLING; ROTO MILL OR SIMILAR FULL LANE (8' WIDE & OVER); ROTO MILL OR SIMILAR TYPE (UNDER 8'); SHOVEL; SLIP FORM CURB MACHINE; SPEEDWING; SPIKEMASTER; STONECRUSHER; TIE PULLER & LOADER; TIE TAMPER; TRACTOR-DOUBLE BOOM; TRACTOR WITH ATTACHMENTS; TRUCK-BOOM; TRUCK-TIRE; TRENCH MACHINE; TUNNEL MACHINE (MARK 21 JAVA OR SIMILAR) & WHIRLEY (OR SIMILAR TYPE) (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 36.92 24.30

POWER EQUIPMENT OPERATOR: ALL OTHER WORK GROUP 3 - ASPHALT PLANT; BENDING MACHINE (PIPELINE OR TYPE); BORING MACHINE, MOTOR DRIVEN; CHIP HARVESTER WITHOUT BOOM; CLEANING MACHINE, PIPELINE TYPE; COATING MACHINE, PIPELINE TYPE; COMPACTOR; CONCRETE BELT PLACER; CONCRETE FINISHER; CONCRETE PLANER OR ASPHALT; CONCRETE SPREADER; ELEVATOR; FORK LIFT (HOME BUILDING ONLY); FORK LIFT & LULLS; FORK LIFT WALK BEHIND (HOISTING OVER 1 BUCK HIGH); FORM LINE MACHINE; GREASE TRUCK OPERATOR; GROUT PUMP; GUNNITE MACHINE; HORIZONTAL DIRECTIONAL DRILL LOCATOR; SINGLE DRUM HOIST WITH OR WITHOUT TOWER; HUCK BOLTING MACHINE; HYDRAULIC SCAFFOLD (HOISTING BUILDING MATERIALS); PAVING BREAKER (SELF=PROPELLED OR RIDDEN); PIPE DREAM; POT FIREPERSON (POWER AGITATED); REFRIGERATION PLANT; ROAD WIDENER; ROLLER; SASGEN DERRICK; SEEDING MACHINE; SOIL STABILIZER (PUMP TYPE); SPRAY CURE MACHINE, SELF-PROPELLED; STRAW BLOWER MACHINE; SUB-GRADER; TUBE FINISHER OR BROOM C.M.I. OR SIMILAR TYPE; & TUGGER HOIST. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 32.06 24.30

POWER EQUIPMENT OPERATOR: ALL OTHER WORK GROUP 4 - AIR CURTAIN DESTRUCTOR & SIMILAR TYPE; BATCH PLANT-JOB RELATED; BOILER OPERATOR; COMPRESSOR; CONVEYOR; CURB BUILDER, SELF-PROPELLED; DRILL WAGON; GENERATOR SET; GENERATOR-STEAM; HEATER-PORTABLE POWER; HYDRAULIC MANIUPLATOR CRANE; JACK-HYDRAULIC POWER DRIVEN; JACK-HYARAULIC (RAILROAD); LADAVATOR; MINOR MACHINE OPERATOR; MIXER-CONCRETE; MULCHING MACHINE; PIN PULLER; POWER BROOM; PULVERIZER; PUMP; ROAD FINISHING MAHINC (PULL TYPE); SAW-CONCRETE-SELF-PROPELLED (HIGHWAY WORK); SIGNAL PERSON; SPRAY CURE MACHINE-MOTOR POWERED; STUMP CUTTER; TRACTOR; TRENCHER FORM; WATER BLASTER; STEAM JENNY; SYPHON; VIBRATOR-GASOLINE; & WELDING MACHINE. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 28.77 24.30

POWER EQUIPMENT OPERATOR: ALL OTHER WORK GROUP 5 - BRAKEPERSON; FIREPERSON; & OILER. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 25.94 24.30

POWER EQUIPMENT OPERATOR: ASBESTOS; HAZARDOUS/TOXIC WASTE PROJECTS GROUP 1 - A & B - RIG, PILE DRIVER OR CAISSON TYPE; & RIG, PILE HYDRAULIC UNIT ATTACHED. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 44.63 24.30

POWER EQUIPMENT OPERATOR: ASBESTOS; HAZARDOUS/TOXIC WASTE PROJECTS GROUP 2 - A & B - ASPHALT HEATER PLANER; BACKFILLER WITH DRAG ATTACHMENT; BACKHOE; BACKHOE WITH SHEAR ATTACHED; BACKHOE-REAR PIVOTAL SWING; BATCH PLANT-CENTRAL MIX CONCRETE; BATCH PLANT, PORTABLE CONCRETE; BERM BUILDER-AUTOMATIC;

BOAT DERRICK; BOAT-TUG; BORING MACHINE ATTACHED TO TRACTOR; BULLCLAM; VULLDOZER; C.M.I. ROAD BUILDER & SIMILAR TYPE; CABLE PLACER &LATYER; CARRIER-STRADDLE; CARRYALL-SCRAPER OR SCOPP; CHICAGO BOOM; COMPACTOR WITH BLAD ATTACHED; CONCRETE SAW (VERMEER OR SIMILAR TYPE); CONCRETE SPREADER FINISHER; COMBINATION, BIDWELL MACHINE; CRANE; CRANE-ELECTRIC OVERHEAD; CRANE-ROUGH TERRAIN; CRANE-SIDE BOOM; CRANE-TRUCK; CRANE-TOWER; DERRICK-BOOM; DERRICK-CAR; DIGGER -WHEEL (NOT TRENCHER OR ROAD WIDENER); DOUBLE NINE; DRAG LINE; DREDGE; DRILL-KENNY OR SIMILAR TYPE; EASY POUR MEDIAN BARRIER MACHINE (OR SIMILAR TYPE); ELECTROMATIC; FRANKIE PILE; GRADALL; GRADER; GURRY; SELF-PROPELLED; HEAVY EQUIPMENT ROBOTICS OPERATOR/MECHANIC; HOIST-MONORAIL; HOIST-STATIONARY & MOBILE TRACTOR; HOIST, 2 OR 3 DRUM; HORIZONTAL DIRECTIONAL DRILL OPERATOR; JACKALL; JUMBO MACHINE; KOCAL & KUHLMAN; LAND-SEAGOING VEHICLE; LOADER, ELEVATING; LOADER, FRONT END; LOADER, SKID STEER; LOCOMOTIVE; MECHANIC/WELDER; METRO CHIP HARVESTER WITH BOO; MUCKING MACHINE; PAVER-ASPHALT FINISHING MACHINE; PAVER-ROAD CONCRETE; PAVER-SLIP FORM (C.M.I. OR SIMILAR); PLACE CRETE MACHINE WITH BOOM; POST DRIVER (CARRIER MOUNTED); POWER DRIVEN HYDRAULIC PUMP & JACK (WHEN USED IN SLIP FORM OR LIFT SLAB CONSTRUCTION); PUMP CRETE MACHINE; REGULATOR-BALLAST; HYRAULIC POWER UNIT NOT ATTACHED TO RIG FOR PILE DRILLINGS; RIGS-DRILLING; ROTO MILL OR SIMILAR FULL LANE (8' WIDE & OVER); ROTO MILL OR SIMILAR TYPE (UNDER 8'); SHOVEL; SLIP FORM CURB MACHINE; SPEEDWING; SPIKEMASTER; STONECRUSHER; TIE PULLER & LOADER; TIE TAMPER; TRACTOR-DOUBLE BOOM; TRACTOR WITH ATTACHMENTS; TRUCK-BOOM; TRUCK-TIRE; TRENCH MACHINE; TUNNEL MACHINE (MARK 21 JAVA OR SIMILAR) & WHIRLEY (OR SIMILAR TYPE) (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 44.30 24.30

POWER EQUIPMENT OPERATOR: ASBESTOS; HAZARDOUS/TOXIC WASTE PROJECTS GROUP 3 - A & B - ASPHALT PLANT; BENDING MACHINE (PIPELINE OR TYPE); BORING MACHINE, MOTOR DRIVEN; CHIP HARVESTER WITHOUT BOOM; CLEANING MACHINE, PIPELINE TYPE; COATING MACHINE, PIPELINE TYPE; COMPACTOR; CONCRETE BELT PLACER; CONCRETE FINISHER; CONCRETE PLANER OR ASPHALT; CONCRETE SPREADER; ELEVATOR; FORK LIFT (HOME BUILDING ONLY); FORK LIFT & LULLS; FORK LIFT WALK BEHIND (HOISTING OVER 1 BUCK HIGH); FORM LINE MACHINE; GREASE TRUCK OPERATOR; GROUT PUMP; GUNNITE MACHINE; HORIZONTAL DIRECTIONAL DRILL LOCATOR; SINGLE DRUM HOIST WITH OR WITHOUT TOWER; HUCK BOLTING MACHINE; HYDRAULIC SCAFFOLD (HOISTING BUILDING MATERIALS); PAVING BREAKER (SELF=PROPELLED OR RIDDEN); PIPE DREAM; POT FIREPERSON (POWER AGITATED); REFRIGERATION PLANT; ROAD WIDENER; ROLLER; SASGEN DERRICK; SEEDING MACHINE; SOIL STABILIZER (PUMP TYPE); SPRAY CURE MACHINE, SELF-PROPELLED; STRAW BLOWER MACHINE; SUB-GRADER; TUBE FINISHER OR BROOM C.M.I. OR SIMILAR TYPE; & TUGGER HOIST(COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 38.47 24.30

POWER EQUIPMENT OPERATOR: ASBESTOS; HAZARDOUS/TOXIC WASTE PROJECTS GROUP 4 - A & B - AIR CURTAIN DESTRUCTOR & SIMILAR TYPE; BATCH PLANT-JOB RELATED; BOILER OPERATOR; COMPRESSOR; CONVEYOR; CURB BUILDER, SELF-PROPELLED; DRILL WAGON; GENERATOR SET; GENERATOR-STEAM; HEATER-PORTABLE POWER;

HYDRAULIC MANIUPLATOR CRANE; JACK-HYDRAULIC POWER DRIVEN; JACK-HYARAULIC (RAILROAD); LADAVATOR; MINOR MACHINE OPERATOR; MIXER-CONCRETE; MULCHING MACHINE; PIN PULLER; POWER BROOM; PULVERIZER; PUMP; ROAD FINISHING MAHINC (PULL TYPE); SAW-CONCRETE-SELF-PROPELLED (HIGHWAY WORK); SIGNAL PERSON; SPRAY CURE MACHINE-MOTOR POWERED; STUMP CUTTER; TRACTOR; TRENCHER FORM; WATER BLASTER; STEAM JENNY; SYPHON; VIBRATOR-GASOLINE; & WELDING MACHINE. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).$ 34.52 24.30

POWER EQUIPMENT OPERATOR: ASBESTOS; HAZARDOUS/TOXIC WASTE PROJECTS GROUP 5 - A & B - BRAKEPERSON; FIREPERSON; & OILER. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 31.13 24.30

POWER EQUIPMENT OPERATOR: HAZARDOUS/TOXIC WASTE PROJECTS GROUP 1 - C & D - RIG, PILE DRIVER OR CAISSON TYPE; & RIG, PILE HYDRAULIC UNIT ATTACHED. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 40.91 24.30

POWER EQUIPMENT OPERATOR: HAZARDOUS/TOXIC WASTE PROJECTS GROUP 2 - C & D - ASPHALT HEATER PLANER; BACKFILLER WITH DRAG ATTACHMENT; BACKHOE; BACKHOE WITH SHEAR ATTACHED; BACKHOE-REAR PIVOTAL SWING; BATCH PLANT-CENTRAL MIX CONCRETE; BATCH PLANT, PORTABLE CONCRETE; BERM BUILDER-AUTOMATIC; BOAT DERRICK; BOAT-TUG; BORING MACHINE ATTACHED TO TRACTOR; BULLCLAM; VULLDOZER; C.M.I. ROAD BUILDER & SIMILAR TYPE; CABLE PLACER &LATYER; CARRIER-STRADDLE; CARRYALL-SCRAPER OR SCOPP; CHICAGO BOOM; COMPACTOR WITH BLAD ATTACHED; CONCRETE SAW (VERMEER OR SIMILAR TYPE); CONCRETE SPREADER FINISHER; COMBINATION, BIDWELL MACHINE; CRANE; CRANE-ELECTRIC OVERHEAD; CRANE-ROUGH TERRAIN; CRANE-SIDE BOOM; CRANE-TRUCK; CRANE-TOWER; DERRICK-BOOM; DERRICK-CAR; DIGGER -WHEEL (NOT TRENCHER OR ROAD WIDENER); DOUBLE NINE; DRAG LINE; DREDGE; DRILL-KENNY OR SIMILAR TYPE; EASY POUR MEDIAN BARRIER MACHINE (OR SIMILAR TYPE); ELECTROMATIC; FRANKIE PILE; GRADALL; GRADER; GURRY; SELF-PROPELLED; HEAVY EQUIPMENT ROBOTICS OPERATOR/MECHANIC; HOIST-MONORAIL; HOIST-STATIONARY & MOBILE TRACTOR; HOIST, 2 OR 3 DRUM; HORIZONTAL DIRECTIONAL DRILL OPERATOR; JACKALL; JUMBO MACHINE; KOCAL & KUHLMAN; LAND-SEAGOING VEHICLE; LOADER, ELEVATING; LOADER, FRONT END; LOADER, SKID STEER; LOCOMOTIVE; MECHANIC/WELDER; METRO CHIP HARVESTER WITH BOO; MUCKING MACHINE; PAVER-ASPHALT FINISHING MACHINE; PAVER-ROAD CONCRETE; PAVER-SLIP FORM (C.M.I. OR SIMILAR); PLACE CRETE MACHINE WITH BOOM; POST DRIVER (CARRIER MOUNTED); POWER DRIVEN HYDRAULIC PUMP & JACK (WHEN USED IN SLIP FORM OR LIFT SLAB CONSTRUCTION); PUMP CRETE MACHINE; REGULATOR-BALLAST; HYRAULIC POWER UNIT NOT ATTACHED TO RIG FOR PILE DRILLINGS; RIGS-DRILLING; ROTO MILL OR SIMILAR FULL LANE (8' WIDE & OVER); ROTO MILL OR SIMILAR TYPE (UNDER 8'); SHOVEL; SLIP FORM CURB MACHINE; SPEEDWING; SPIKEMASTER; STONECRUSHER; TIE PULLER & LOADER; TIE TAMPER; TRACTOR-DOUBLE BOOM; TRACTOR WITH ATTACHMENTS; TRUCK-BOOM; TRUCK-TIRE; TRENCH MACHINE; TUNNEL MACHINE (MARK 21 JAVA OR SIMILAR) & WHIRLEY (OR SIMILAR TYPE) (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 40.61 24.30

POWER EQUIPMENT OPERATOR: HAZARDOUS/TOXIC WASTE PROJECTS GROUP 3 - C & D - ASPHALT PLANT; BENDING MACHINE (PIPELINE OR TYPE); BORING MACHINE, MOTOR DRIVEN; CHIP HARVESTER WITHOUT BOOM; CLEANING

MACHINE, PIPELINE TYPE; COATING MACHINE, PIPELINE TYPE; COMPACTOR; CONCRETE BELT PLACER; CONCRETE FINISHER; CONCRETE PLANER OR ASPHALT; CONCRETE SPREADER; ELEVATOR; FORK LIFT (HOME BUILDING ONLY); FORK LIFT & LULLS; FORK LIFT WALK BEHIND (HOISTING OVER 1 BUCK HIGH); FORM LINE MACHINE; GREASE TRUCK OPERATOR; GROUT PUMP; GUNNITE MACHINE; HORIZONTAL DIRECTIONAL DRILL LOCATOR; SINGLE DRUM HOIST WITH OR WITHOUT TOWER; HUCK BOLTING MACHINE; HYDRAULIC SCAFFOLD (HOISTING BUILDING MATERIALS); PAVING BREAKER (SELF=PROPELLED OR RIDDEN); PIPE DREAM; POT FIREPERSON (POWER AGITATED); REFRIGERATION PLANT; ROAD WIDENER; ROLLER; SASGEN DERRICK; SEEDING MACHINE; SOIL STABILIZER (PUMP TYPE); SPRAY CURE MACHINE, SELF-PROPELLED; STRAW BLOWER MACHINE; SUB-GRADER; TUBE FINISHER OR BROOM C.M.I. OR SIMILAR TYPE; & TUGGER HOIST(COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 35.27 24.30

POWER EQUIPMENT OPERATOR: HAZARDOUS/TOXIC WASTE PROJECTS GROUP 4 - C & D - AIR CURTAIN DESTRUCTOR & SIMILAR TYPE; BATCH PLANT-JOB RELATED; BOILER OPERATOR; COMPRESSOR; CONVEYOR; CURB BUILDER, SELF-PROPELLED; DRILL WAGON; GENERATOR SET; GENERATOR-STEAM; HEATER-PORTABLE POWER; HYDRAULIC MANIUPLATOR CRANE; JACK-HYDRAULIC POWER DRIVEN; JACK-HYARAULIC (RAILROAD); LADAVATOR; MINOR MACHINE OPERATOR; MIXER-CONCRETE; MULCHING MACHINE; PIN PULLER; POWER BROOM; PULVERIZER; PUMP; ROAD FINISHING MAHINC (PULL TYPE); SAW-CONCRETE-SELF-PROPELLED (HIGHWAY WORK); SIGNAL PERSON; SPRAY CURE MACHINE-MOTOR POWERED; STUMP CUTTER; TRACTOR; TRENCHER FORM; WATER BLASTER; STEAM JENNY; SYPHON; VIBRATOR-GASOLINE; & WELDING MACHINE. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).$ 31.65 24.30

POWER EQUIPMENT OPERATOR: HAZARDOUS/TOXIC WASTE PROJECTS GROUP 5 - C & D - BRAKEPERSON; FIREPERSON; & OILER. (COLUMBIANA, MAHONING & TRUMBULL COUNTIES).....$ 28.53 24.30

IRON0017-002 05/01/2024

	Rates	Fringes
IRONWORKER: ORNAMENTAL, REINFORCING, & STRUCTURAL (ASHTABULA (NORTH OF ROUTE 6, STARTING AT THE GEAUGA COUNTY LINE, PROCEEDING EAST TO STATE ROUTE 45), CUYAHOGA, ERIE (EASTERN 2/3), GEAUGA, HURON (EAST OF A LINE DRAWN FROM THE NORTH BORDER THROUGH MONROEVILLE & WILLARD), LAKE, LORAIN, MEDINA (NORTH OF OLD RTE. #224), PORTAGE (WEST OF A LINE FROM MIDDLEFIELD TO SHALERSVILLE TO DEERFIELD), AND SUMMIT (NORTH OF OLD RTE. #224, INCLUDING CITY LIMITS OF BARBERTON) COUNTIES).....	$ 36.83	29.01

IRON0017-010 05/01/2024

	Rates	Fringes
IRONWORKER: STRUCTURAL, INCLUDING METAL BUILDING ERECTION & REINFORCING (ASHTABULA (EASTERN PART FROM LAKE ERIE ON THE NORTH TO ROUTE #322 ON THE SOUTH TO INCLUDE CONNEAUT, KINGSVILLE, SHEFFIELD, DENMARK, DORSET, CHERRY VALLEY, WAYNE, MONROE, PIERPONT, RICHMOND, ANDOVER & WILLIAMSFIELD TOWNSHIPS)).....	$ 36.83	29.01

IRON0044-001 06/01/2025

	Rates	Fringes
IRONWORKER, REINFORCING (ADAMS (WESTERN PART), BROWN, BUTLER (SOUTHERN PART), CLERMONT, CLINTON (SOUTH OF A LINE DRAWN FROM BLANCHESTER TO LYNCHBURG), HAMILTON, HIGHLAND (EXCLUDING EASTERN ONE-FIFTH & PORTION OF COUNTY INSIDE LINES DRAWN FROM MARSHALL TO LYNCHBURG FROM THE NORTHERN COUNTY LINE THROUGH E. MONROE TO MARSHALL) AND WARREN (SOUTH OF A LINE DRAWN FROM BLANCHESTER THROUGH MORROW TO THE WEST COUNTY LINE) COUNTIES).....	$ 38.27	23.90

IRON0044-002 06/01/2025

	Rates	Fringes
IRONWORKER: FENCE ERECTOR (CLINTON (SOUTH OF A LINE DRAWN FROM BLANCHESTER TO LYNCHBURG), HAMILTON, HIGHLAND (EXCLUDING EASTERN ONE-FIFTH & PORTION OF COUNTY INSIDE LINES DRAWN FROM MARSHALL TO LYNCHBURG FROM THE NORTHERN COUNTY LINE THROUGH E. MONROE TO MARSHALL) & WARREN (SOUTH OF A LINE DRAWN FROM BLANCHESTER THROUGH MORROW TO THE WEST COUNTY LINE)).....	$ 35.88	23.90
IRONWORKER: ORNAMENTAL; STRUCTURAL (CLINTON (SOUTH OF A LINE DRAWN FROM BLANCHESTER TO LYNCHBURG), HAMILTON, HIGHLAND (EXCLUDING EASTERN ONE-FIFTH & PORTION OF COUNTY INSIDE LINES DRAWN FROM MARSHALL TO LYNCHBURG FROM THE NORTHERN COUNTY LINE THROUGH E. MONROE TO MARSHALL) & WARREN (SOUTH OF A LINE DRAWN FROM BLANCHESTER THROUGH MORROW TO THE WEST COUNTY LINE)).....	$ 37.77	23.90

IRON0055-003 07/01/2024

	Rates	Fringes
IRONWORKER: ALL OTHER WORK (CRAWFORD (AREA BETWEEN LINES DRAWN FROM WHERE HWY #598 & #30 MEET THROUGH N. LIBERTY TO THE NORTHERN BORDER & FROM SAID HWY JUNCTION POINT DUE WEST TO THE BORDER), DEFIANCE (S. OF A LINE DRAWN FROM WHERE RTE. #66 MEETS THE NORTHERN LINE THROUGH INDEPENDENCE TO THE EASTERN COUNTY BORDER), ERIE (WESTERN 1/3), FULTON, HANCOCK, HARDIN (NORTH OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHERN LINE ON THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHEN LINE OF THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM THE NORTHERN BORDER THROUGH MONROEVILLE & WILLARD), LUCAS, OTTAWA, PUTNAM (EAST OF A LINE DRAWN FROM THE NORTHERN BORDER DOWN THROUGH MILLER CITY TO WHERE #696 MEETS THE SOURTHERN BORDER), SANDUSKY, SENECA, WILLIAMS (EAST OF A LINE DRAWN FROM PIONEER THROUGH STRYKER TO THE SOUTHERN BORDER), WOOD & WYANDOT (NORTH OF RTE. #30)).....	$ 29.77	21.30
IRONWORKER: FENCE ERECTOR (CRAWFORD (AREA BETWEEN LINES DRAWN FROM WHERE HWY #598 & #30 MEET THROUGH N. LIBERTY TO THE NORTHERN BORDER & FROM SAID HWY JUNCTION POINT DUE WEST TO THE BORDER), DEFIANCE (S. OF A LINE DRAWN FROM WHERE RTE. #66 MEETS THE NORTHERN LINE THROUGH INDEPENDENCE TO THE EASTERN COUNTY BORDER), ERIE (WESTERN 1/3), FULTON, HANCOCK, HARDIN (NORTH OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHERN LINE ON THE EASTERN LINE), HENRY, HURON (WEST OF A		

LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHEN LINE OF THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM THE NORTHERN BORDER THROUGH MONROEVILLE & WILLARD), LUCAS, OTTAWA, PUTNAM (EAST OF A LINE DRAWN FROM THE NORTHERN BORDER DOWN THROUGH MILLER CITY TO WHERE #696 MEETS THE SOURTHERN BORDER), SANDUSKY, SENECA, WILLIAMS (EAST OF A LINE DRAWN FROM PIONEER THROUGH STRYKER TO THE SOUTHERN BORDER), WOOD & WYANDOT (NORTH OF RTE. #30))..... $ 29.77 21.30

IRONWORKER: FLAT ROAD MESH (CRAWFORD (AREA BETWEEN LINES DRAWN FROM WHERE HWY #598 & #30 MEET THROUGH N. LIBERTY TO THE NORTHERN BORDER & FROM SAID HWY JUNCTION POINT DUE WEST TO THE BORDER), DEFIANCE (S. OF A LINE DRAWN FROM WHERE RTE. #66 MEETS THE NORTHERN LINE THROUGH INDEPENDENCE TO THE EASTERN COUNTY BORDER), ERIE (WESTERN 1/3), FULTON, HANCOCK, HARDIN (NORTH OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHERN LINE ON THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHEN LINE OF THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM THE NORTHERN BORDER THROUGH MONROEVILLE & WILLARD), LUCAS, OTTAWA, PUTNAM (EAST OF A LINE DRAWN FROM THE NORTHERN BORDER DOWN THROUGH MILLER CITY TO WHERE #696 MEETS THE SOURTHERN BORDER), SANDUSKY, SENECA, WILLIAMS (EAST OF A LINE DRAWN FROM PIONEER THROUGH STRYKER TO THE SOUTHERN BORDER), WOOD & WYANDOT (NORTH OF RTE. #30))..... $ 26.40 24.62

IRONWORKER: TUNNES & CAISSONS UNDER PRESSURE (CRAWFORD (AREA BETWEEN LINES DRAWN FROM WHERE HWY #598 & #30 MEET THROUGH N. LIBERTY TO THE NORTHERN BORDER & FROM SAID HWY JUNCTION POINT DUE WEST TO THE BORDER), DEFIANCE (S. OF A LINE DRAWN FROM WHERE RTE. #66 MEETS THE NORTHERN LINE THROUGH INDEPENDENCE TO THE EASTERN COUNTY BORDER), ERIE (WESTERN 1/3), FULTON, HANCOCK, HARDIN (NORTH OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHERN LINE ON THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM MAYSVILLE TO A POINT 4 MILES SOUTH OF THE NORTHEN LINE OF THE EASTERN LINE), HENRY, HURON (WEST OF A LINE DRAWN FROM THE NORTHERN BORDER THROUGH MONROEVILLE & WILLARD), LUCAS, OTTAWA, PUTNAM (EAST OF A LINE DRAWN FROM THE NORTHERN BORDER DOWN THROUGH MILLER CITY TO WHERE #696 MEETS THE SOURTHERN BORDER), SANDUSKY, SENECA, WILLIAMS (EAST OF A LINE DRAWN FROM PIONEER THROUGH STRYKER TO THE SOUTHERN BORDER), WOOD & WYANDOT (NORTH OF RTE. #30))..... $ 35.50 29.20

IRON0147-002 06/01/2025

	Rates	Fringes
IRONWORKER (ALLEN (NORTHERN HALF), DEFIANCE (NORTHERN PART, EXCLUDING SOUTH OF A LINE DRAWN FROM WHERE RTE. #66 MEETS THE NORTHERN LINE THROUGH INDEPENDENCE TO THE EASTERN COUNTY BORDER), MERCER (NORTHERN HALF), PAULDING, PUTNAM (WESTERN PART, EXCLUDING EAST OF A LINE DRAWN FROM THE NORTHERN BORDER DOWN THROUGH MILLER CITY TO WHERE #696 MEETS THE SOUTHERN BORDER), VAN WERT, AND WILLIAMS (WESTERN PART, EXCLUDING EAST OF A LINE DRAWN FROM PIONEER THROUGH STRYKER TO THE SOUTHERN BORDER) COUNTIES).....	$ 38.00	26.39

IRON0172-002 06/01/2025

	Rates	Fringes
IRONWORKER (CHAMPAIGN (EASTERN ONE-THIRD), CLARK (EASTERN ONE-FOURTH), COSHOCTON (WEST OF A LINE BEGINNING AT THE NORTHWESTERN COUNTY LINE GOING THROUGH WALHONDING & TUNNEL HILL TO THE SOUTHERN COUNTY LINE), CRAWFORD (SOUTH OF RTE. #30), DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, HARDIN (EXCLUDING A LINE DRAWN FROM ROUNDHEAD TO MAYSVILLE), HIGHLAND (EASTERN ONE-FIFTH), HOCKING, JACKSON (NORTHERN HALF), KNOX, LICKING, LOGAN (EASTERN ONE-THIRD), MADISON, MARION, MORROW, MUSKINGUM (WEST OF A LINE	$ 40.87	23.15

IRON0207-004 06/01/2025

	Rates	Fringes
IRONWORKER: LAYOUT; SHEETER (ASHTABULA (SOUTHERN PART STARTING AT THE GEAUGA COUNTY LINE), COLUMBIANA (E. OF A LINE FROM DAMASCUS TO HIGHLANDTOWN), MAHONING (N. OF OLD ROUTE #224), PORTAGE (E. OF A LINE FROM MIDDLEFIELD TO SHALERSVILLE TO DEERFIELD) & TRUMBULL)	$ 37.26	28.16
IRONWORKER: ORNAMENTAL; REINFORCING; STRUCTURAL (ASHTABULA (SOUTHERN PART STARTING AT THE GEAUGA COUNTY LINE), COLUMBIANA (E. OF A LINE FROM DAMASCUS TO HIGHLANDTOWN), MAHONING (N. OF OLD ROUTE #224), PORTAGE (E. OF A LINE FROM MIDDLEFIELD TO SHALERSVILLE TO DEERFIELD) & TRUMBULL)	$ 36.26	28.16

IRON0290-002 06/01/2025

	Rates	Fringes
IRONWORKER (ALLEN (SOUTHERN HALF), AUGLAIZE, BUTLER (NORTH OF A LINE DRAWN FROM EAST TO THE WEST COUNTY LINE GOING THROUGH OXFORD, DARRTOWN & WOODSDALE), CHAMPAIGN (EXCLUDING EAST OF A LINE DRAWN FROM CATAWLA TO THE POINT WHERE #68 INTERSECTS THE NORTHERN COUNTY LINE), CLARK (WESTERN TWO-THIRDS), CLINTON (EXCLUDING SOUTH OF A LINE DRAWN FROM BLANCHESTER TO LYNCHBURG), DARKE, GREENE, HIGHLAND (INSIDE LINES DRAWN FROM MARSHALL TO LYNCHBURG & FROM THE NORTHERN COUNTY LINE THROUGH EAST MONROE TO MARSHALL), LOGAN (WEST OF A LINE DRAWN FROM WEST LIBERTY TO WHERE THE NORTHERN COUNTY LINE MEETS THE WESTERN COUNTY LINE OF HARDIN), MERCER (SOUTHERN HALF), MIAMI, MONTGOMERY, PREBLE, SHELBY, & WARREN (EXCLUDING SOUTH OF A LINE DRAWN FROM BLANCHESTER THROUGH MORROW TO THE WESTERN COUNTY LINE) COUNTIES)	$ 37.39	25.35

IRON0549-003 12/01/2022

	Rates	Fringes
IRONWORKER (BELMONT, GUERNSEY, HARRISON, JEFFERSON, MONROE & MUSKINGUM (EXCLUDING PORTION WEST OF A LINE STARTING AT ADAMS MILL GOING TO ADAMSVILLE AND GOING FROM ADAMSVILLE THROUGH BLUE ROCK TO THE SOUTH BORDER))	$ 35.19	25.66

IRON0550-004 05/01/2024

	Rates	Fringes

IRONWORKERS: STRUCTURAL, ORNAMENTAL AND REINFORCING (ASHLAND, CARROLL, COLUMBIANA (W. OF A LINE FROM DAMASCUS TO HIGHLANDTOWN), COSHOCTON (E. OF A LINE BEGINNING AT NW CO. LINE GOING THROUGH WALHONDING & TUNNEL HILL TO THE SOUTH CO. LINE), HOLMES, HURON (S. OF OLD RTE. #224), MAHONING (S. OF OLD RTE. #224), MEDINA (S. OF OLD RTE. #224), PORTAGE (S. OF OLD RTE. #224), RICHLAND, STARK, SUMMIT (S. OF OLD RTE. #224, EXCLUDING CITY LIMITS OF BARBERTON), TUSCARAWAS, & WAYNE).....$ 34.70 22.88

IRON0769-004 06/01/2025

	Rates	Fringes
IRONWORKER (ADAMS (EASTERN HALF), GALLIA, JACKSON (SOUTHERN HALF), LAWRENCE & SCIOTO).....	$ 39.70	29.59

IRON0787-003 06/01/2025

	Rates	Fringes
IRONWORKER (ATHENS, MEIGS, MORGAN, NOBLE, AND WASHINGTON COUNTIES).....	$ 36.10	24.65

LABO0265-008 05/01/2024

	Rates	Fringes
LABORER GROUP 1- ASPHALT LABORER; CARPENTER TENDER; CONCRETE CURING APPLICATOR; DUMP MAN (BATCH TRUCK); GUARDRAIL AND FENCE INSTALLER; JOINT SETTER; LABORER (CONSTRUCTION); LANDSCAPE LABORER; MESH HANDLERS & PLACER; RIGHT-OF-WAY LABORER; RIPRAP LABORER & GROUTER; SCAFFOLD ERECTOR; SEAL COATING; SURFACE TREATMENT OR ROAD MIX LABORER; SIGN INSTALLER; SLURRY SEAL; UTILITY MAN; BRIDGE MAN; HANDYMAN; WATERPROOFING LABORER; FLAGPERSON; HAZARDOUS WASTE (LEVEL D); DIVER TENDER; ZONE PERSON & TRAFFIC CONTROL. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (REMAINING COUNTIES OF OHIO).....	$ 35.52	14.45
LABORER GROUP 1- ASPHALT LABORER; CARPENTER TENDER; CONCRETE CURING APPLICATOR; DUMP MAN (BATCH TRUCK); GUARDRAIL AND FENCE INSTALLER; JOINT SETTER; LABORER (CONSTRUCTION); LANDSCAPE LABORER; MESH HANDLERS & PLACER; RIGHT-OF-WAY LABORER; RIPRAP LABORER & GROUTER; SCAFFOLD ERECTOR; SEAL COATING; SURFACE TREATMENT OR ROAD MIX LABORER; SIGN INSTALLER; SLURRY SEAL; UTILITY MAN; BRIDGE MAN; HANDYMAN; WATERPROOFING LABORER; FLAGPERSON; HAZARDOUS WASTE (LEVEL D); DIVER TENDER; ZONE PERSON & TRAFFIC CONTROL. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (CUYAHOGA, GEAUGA & LAKE COUNTIES).....	$ 37.18	14.45
LABORER GROUP 1- ASPHALT LABORER; CARPENTER TENDER; CONCRETE CURING APPLICATOR; DUMP MAN (BATCH TRUCK); GUARDRAIL AND FENCE INSTALLER; JOINT SETTER; LABORER (CONSTRUCTION); LANDSCAPE LABORER; MESH HANDLERS & PLACER; RIGHT-OF-WAY LABORER; RIPRAP LABORER & GROUTER; SCAFFOLD ERECTOR; SEAL COATING; SURFACE TREATMENT OR ROAD MIX LABORER; SIGN INSTALLER; SLURRY SEAL; UTILITY MAN; BRIDGE MAN; HANDYMAN; WATERPROOFING LABORER; FLAGPERSON;		

HAZARDOUS WASTE (LEVEL D); DIVER TENDER; ZONE PERSON & TRAFFIC CONTROL. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (ASHTABULA, ERIE, HURON, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, STARK, SUMMIT, TRUMBULL & WOOD COUNTIES).....$ 35.95 14.45

LABORER GROUP 2- ASPHALT RAKER; CONCRETE PUDDLER; KETTLE MAN PIPELINE); MACHINE DRIVEN TOOLS (GAS, ELECTRIC, AIR); MASON TENDER; BRICK PAVER; MORTAR MIXER; POWER BUGGY OR POWER WHEELBARROW; PAINT STRIPER; SHEETING & SHORING MAN; SURFACE GRINDER MAN; PLASTIC FUSING MACHINE OPERATOR; PUG MILL OPERATOR; & VACUUM DEVICES (WET OR DRY); RODDING MACHINE OPERATOR; DIVER; SCREWMAN OR PAVER; SCREED PERSON; WATER BLAST, HAND HELD WAND; PUMPS 4"" & UNDER (GAS, AIR OR ELECTRIC) & HAZARDOUS WASTE (LEVEL C); AIR TRACK AND WAGON DRILL; BOTTOM PERSON; COFFERDAM (BELOW 25 FT. DEEP); CONCRETE SAW PERSON; CUTTING WITH BURNING TORCH; FORM SETTER; HAND SPIKER (RAILROAD); PIPELAYER; TUNNEL LABORER (WITHOUT AIR) & CAISSON; UNDERGROUND PERSON (WORKING IN SEWER AND WATERLINE, CLEANING, REPAIRING & RECONDITIONING); SANDBLASTER NOZZLE PERSON; & HAZARDOUS WASTE (LEVEL B). TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (REMAINING COUNTIES OF OHIO)..$ 35.69 14.45

LABORER GROUP 2- ASPHALT RAKER; CONCRETE PUDDLER; KETTLE MAN PIPELINE); MACHINE DRIVEN TOOLS (GAS, ELECTRIC, AIR); MASON TENDER; BRICK PAVER; MORTAR MIXER; POWER BUGGY OR POWER WHEELBARROW; PAINT STRIPER; SHEETING & SHORING MAN; SURFACE GRINDER MAN; PLASTIC FUSING MACHINE OPERATOR; PUG MILL OPERATOR; & VACUUM DEVICES (WET OR DRY); RODDING MACHINE OPERATOR; DIVER; SCREWMAN OR PAVER; SCREED PERSON; WATER BLAST, HAND HELD WAND; PUMPS 4"" & UNDER (GAS, AIR OR ELECTRIC) & HAZARDOUS WASTE (LEVEL C); AIR TRACK AND WAGON DRILL; BOTTOM PERSON; COFFERDAM (BELOW 25 FT. DEEP); CONCRETE SAW PERSON; CUTTING WITH BURNING TORCH; FORM SETTER; HAND SPIKER (RAILROAD); PIPELAYER; TUNNEL LABORER (WITHOUT AIR) & CAISSON; UNDERGROUND PERSON (WORKING IN SEWER AND WATERLINE, CLEANING, REPAIRING & RECONDITIONING); SANDBLASTER NOZZLE PERSON; & HAZARDOUS WASTE (LEVEL B). TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (CUYAHOGA, GEAUGA & LAKE COUNTIES).....$ 37.35 14.45

LABORER GROUP 2- ASPHALT RAKER; CONCRETE PUDDLER; KETTLE MAN PIPELINE); MACHINE DRIVEN TOOLS (GAS, ELECTRIC, AIR); MASON TENDER; BRICK PAVER; MORTAR MIXER; POWER BUGGY OR POWER WHEELBARROW; PAINT STRIPER; SHEETING & SHORING MAN; SURFACE GRINDER MAN; PLASTIC FUSING MACHINE OPERATOR; PUG MILL OPERATOR; & VACUUM DEVICES (WET OR DRY); RODDING MACHINE OPERATOR; DIVER; SCREWMAN OR PAVER; SCREED PERSON; WATER BLAST, HAND HELD WAND; PUMPS 4"" & UNDER (GAS, AIR OR ELECTRIC) & HAZARDOUS WASTE (LEVEL C); AIR TRACK AND WAGON DRILL; BOTTOM PERSON; COFFERDAM (BELOW 25 FT. DEEP); CONCRETE SAW

PERSON; CUTTING WITH BURNING TORCH; FORM SETTER; HAND SPIKER (RAILROAD); PIPELAYER; TUNNEL LABORER (WITHOUT AIR) & CAISSON; UNDERGROUND PERSON (WORKING IN SEWER AND WATERLINE, CLEANING, REPAIRING & RECONDITIONING); SANDBLASTER NOZZLE PERSON; & HAZARDOUS WASTE (LEVEL B). TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (ASHTABULA, ERIE, HURON, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, STARK, SUMMIT, TRUMBULL & WOOD COUNTIES)..$ 36.12 14.45

LABORER GROUP 3- BLASTER; MUCKER; POWDER PERSON; TOP LANDER; WRENCHER (MECHANICAL JOINTS & UTILITY PIPELINE); YARNER; HAZARDOUS WASTE (LEVEL A); CONCRETE SPECIALIST; CONCRETE CREW IN TUNNELS (WITH AIR-PRESSURIZED - $1.00 PREMIUM); CURB SETTER & CUTTER; GRADE CHECKER; UTILITY PIPELINE TAPPER; WATERLINE; AND CAULKER. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (REMAINING COUNTIES OF OHIO) .....$ 36.02 14.45

LABORER GROUP 3- BLASTER; MUCKER; POWDER PERSON; TOP LANDER; WRENCHER (MECHANICAL JOINTS & UTILITY PIPELINE); YARNER; HAZARDOUS WASTE (LEVEL A); CONCRETE SPECIALIST; CONCRETE CREW IN TUNNELS (WITH AIR-PRESSURIZED - $1.00 PREMIUM); CURB SETTER & CUTTER; GRADE CHECKER; UTILITY PIPELINE TAPPER; WATERLINE; AND CAULKER. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (CUYAHOGA, GEAUGA & LAKE COUNTIES) ....$ 37.68 14.45

LABORER GROUP 3- BLASTER; MUCKER; POWDER PERSON; TOP LANDER; WRENCHER (MECHANICAL JOINTS & UTILITY PIPELINE); YARNER; HAZARDOUS WASTE (LEVEL A); CONCRETE SPECIALIST; CONCRETE CREW IN TUNNELS (WITH AIR-PRESSURIZED - $1.00 PREMIUM); CURB SETTER & CUTTER; GRADE CHECKER; UTILITY PIPELINE TAPPER; WATERLINE; AND CAULKER. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (ASHTABULA, ERIE, HURON, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, STARK, SUMMIT, TRUMBULL & WOOD COUNTIES).....$ 36.45 14.45

LABORER GROUP 4- MINER (WITH AIR-PRESSURIZED - $1.00 PREMIUM); & GUNITE NOZZLE PERSON. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (ASHTABULA, ERIE, HURON, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, STARK, SUMMIT, TRUMBULL & WOOD COUNTIES)..$ 36.90 14.45

LABORER GROUP 4- MINER (WITH AIR-PRESSURIZED - $1.00 PREMIUM); & GUNITE NOZZLE PERSON. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (REMAINING COUNTIES OF OHIO) ..$ 36.47 14.45

LABORER GROUP 4- MINER (WITH AIR-PRESSURIZED - $1.00 PREMIUM); & GUNITE NOZZLE PERSON. TUNNEL LABORER WITH AIR-PRESSURIZED ADD $1.00 TO BASE RATE SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE

RATE PAID THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING. (CUYAHOGA, GEAUGA & LAKE COUNTIES).....$ 38.13 14.45
LABORER: SEWAGE PLANTS, WASTE PLANTS, WATER TREATMENT FACILITIES, PUMPING STATIONS, & ETHANOL PLANTS CONSTRUCTION. (CUYAHOGA AND GEAUGA COUNTIES ONLY).....$ 38.56 14.45

PAIN0006-002 05/01/2023

	Rates	Fringes
PAINTER- COMMERCIAL NEW WORK; REMODELING; & RENOVATIONS: GROUP 1- BRUSH; & ROLLER (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE))	$ 30.75	18.95
PAINTER- COMMERCIAL NEW WORK; REMODELING; & RENOVATIONS: GROUP 2- SANDBLASTING & BUFFING (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE))	$ 31.15	18.95
PAINTER- COMMERCIAL NEW WORK; REMODELING; & RENOVATIONS: GROUP 3- SPRAY PAINTING; CLOSED STEEL ABOVE 55 FEET; BRIDGES & OPEN STRUCTURAL STEEL; TANKS - WATER TOWERS; BRIDGE PAINTERS; BRIDGE RIGGERS; CONTAINMENT BUILDERS (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE))	$ 31.45	18.95
PAINTER- COMMERCIAL NEW WORK; REMODELING; & RENOVATIONS: GROUP 4- BRIDGE BLASTER (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE))	$ 37.01	18.95
PAINTER- COMMERCIAL REPAINT GROUP 1- BRUSH; & ROLLER (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE))	$ 29.25	18.95
PAINTER- COMMERCIAL REPAINT GROUP 2- SANDBLASTING & BUFFING (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. OF THE EAST-WEST TURNPIKE) & SUMMIT (N. OF THE EAST-WEST TURNPIKE))	$ 29.65	18.95
PAINTER- COMMERCIAL REPAINT GROUP 3- SPRAY PAINTING.	$ 29.95	18.95

PAIN0007-002 07/01/2025

	Rates	Fringes
PAINTER: NEW COMMERCIAL WORK: GROUP 1- BRUSH; SPRAY & SANDBLASTING POT TENDER. (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES)	$ 33.66	23.88
PAINTER: NEW COMMERCIAL WORK: GROUP 2- REFINERIES & REFINERY TANKS; SURFACES 30 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES)	$ 34.66	23.88
PAINTER: NEW COMMERCIAL WORK: GROUP 3- SWING STAGE & CHAIR (REPAINT IS 90% OF GROUP RATE) (FULTON,		

HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 4- LEAD ABATEMENT (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 5- ALL METHODS OF SPRAY (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 6- SOLVENT-BASED CATALIZED EPOXY MATERIALS OF 2 OR MORE COMPONENT MATERIALS, TO INCLUDE SOLVENT-BASED CONVERSION VARNISH (EXCLUDING WATER BASED) (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 7- SPRAY SOLVENT BASED MATERIAL; SAND & ABRASIVE BLASTING (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 8- TOWERS; TANKS; BRIDGES; STACKS OVER 30 FEET (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAINTER: NEW COMMERCIAL WORK: GROUP 9- EPOXY SPRAY (EXCLUDING WATER BASED) (REPAINT IS 90% OF GROUP RATE) (FULTON, HENRY, LUCAS, OTTAWA (EXCLUDING ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH, & GENOVA) & WOOD COUNTIES).....$ 34.66 23.88

PAIN0012-008 05/01/2019

	Rates	Fringes
PAINTER: GROUP 1- BRIDGE EQUIPMENT TENDER; BRIDGE/CONTAINMENT BUILDER (BUTLER COUNTY)	$ 21.95	10.20
PAINTER: GROUP 2- BRUSH & ROLLER (BUTLER COUNTY)	$ 25.30	10.20
PAINTER: GROUP 3- SPRAY (BUTLER COUNTY)	$ 25.80	10.20
PAINTER: GROUP 4- SANDBLASTING; & WATERBLASTING (BUTLER COUNTY)	$ 26.05	10.20
PAINTER: GROUP 5- ELEVATED TANKS; STEEPLEJACK WORK; BRIDGE; & LEAD ABATEMENT (BUTLER COUNTY)	$ 26.30	10.20

PAIN0012-010 05/01/2019

	Rates	Fringes
PAINTER HEAVY & HIGHWAY BRIDGES- GUARDRAILS-LIGHTPOLES- STRIPING BRIDGE EQUIPMENT TENDER AND CONTAINMENT BUILDER (BROWN, CLERMONT,		

HAMILTON & WARREN).....$ 21.95 10.20
PAINTER HEAVY & HIGHWAY BRIDGES-
GUARDRAILS-LIGHTPOLES- STRIPING BRIDGES WHEN
HIGHEST POINT OF CLEARANCE IS 60 FEET OR MORE; &
LEAD ABATEMENT PROJECTS (BROWN, CLERMONT, HAMILTON
& WARREN).....$ 26.30 10.20
PAINTER HEAVY & HIGHWAY BRIDGES-
GUARDRAILS-LIGHTPOLES- STRIPING BRUSH & ROLLER
(BROWN, CLERMONT, HAMILTON & WARREN).....$ 25.30 10.20
PAINTER HEAVY & HIGHWAY BRIDGES-
GUARDRAILS-LIGHTPOLES- STRIPING SANDBLASTING &
HOPPER TENDER; WATER BLASTING (BROWN, CLERMONT,
HAMILTON & WARREN).....$ 26.05 10.20
PAINTER HEAVY & HIGHWAY BRIDGES-
GUARDRAILS-LIGHTPOLES- STRIPING SPRAY (BROWN,
CLERMONT, HAMILTON & WARREN).....$ 25.80 10.20

PAIN0093-001 12/01/2024

	Rates	Fringes
PAINTER: BRIDGES; LOCKS; DAMS; TENSION TOWERS; & ENERGIZED SUBSTATIONS (ATHENS, GUERNSEY, HOCKING, MONROE, MORGAN, NOBLE AND WASHINGTON COUNTIES)	$ 36.44	24.46
PAINTER: POWER GENERATING FACILITIES (ATHENS, GUERNSEY, HOCKING, MONROE, MORGAN, NOBLE AND WASHINGTON COUNTIES)	$ 33.29	24.46

PAIN0249-002 05/01/2025

	Rates	Fringes
PAINTER: GROUP 1: BRUSH & ROLLER (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 29.15	13.97
PAINTER: GROUP 2: SWING, SCAFFOLD BRIDGES; STRUCTURAL STEEL; OPEN ACID TANK; HIGH TENSION ELECTRICAL EQUIPMENT; & HOT PIPES (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 33.09	13.97
PAINTER: GROUP 3: SPRAY; SANDBLAST; STEAMCLEAN; LEAD ABATEMENT (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 29.90	13.97
PAINTER: GROUP 4: STEEPLEJACK WORK (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 30.10	13.97
PAINTER: GROUP 5: COAL TAR (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 30.65	13.97
PAINTER: GROUP 6: BRIDGE EQUIPMENT TENDER & OR CONTAINMENT BUILDER (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 37.86	13.97
PAINTER: GROUP 7: TANKS, STACKS & TOWERS (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 33.86	13.97
PAINTER: GROUP 8: BRIDGE BLASTER, RIGGER (CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE)	$ 40.86	13.97

PAIN0356-002 09/01/2009

	Rates	Fringes
PAINTER: BRIDGE EQUIPMENT TENDERS AND CONTAINMENT BUILDERS (KNOX, LICKING, MUSKINGUM, AND PERRY)	$ 27.93	7.25
PAINTER: BRIDGES; BLASTERS; AND RIGGERS (KNOX, LICKING, MUSKINGUM, AND PERRY)	$ 34.60	7.25
PAINTER: BRUSH AND ROLLER (KNOX, LICKING, MUSKINGUM, AND PERRY)	$ 20.93	7.25
PAINTER: SANDBLASTING; STEAM CLEANING; WATERBLASTING; AND HAZARDOUS WORK (KNOX, LICKING, MUSKINGUM, AND PERRY)	$ 25.82	7.25
PAINTER: SPRAY (KNOX, LICKING, MUSKINGUM, AND PERRY)	$ 21.40	7.25

PAINTER: STRUCTURAL STEEL AND SWING STAGE (KNOX, LICKING, MUSKINGUM, AND PERRY).....$ 25.42 7.25
PAINTER: TANKS; STACKS; AND TOWERS (KNOX, LICKING, MUSKINGUM, AND PERRY).....$ 28.63 7.25

PAIN0438-002 12/01/2023

	Rates	Fringes
PAINTER: BRIDGES, LOCKS, DAMS, TENSION TOWERS & ENERGIZED SUBSTATIONS (BELMONT, HARRISON AND JEFFERSON COUNTIES)	$ 36.09	19.49
PAINTER: POWER GENERATING FACILITIES (BELMONT, HARRISON AND JEFFERSON COUNTIES)	$ 32.94	19.49

PAIN0476-001 06/01/2025

	Rates	Fringes
PAINTER: GROUP 1- PAINTERS, BRUSH & ROLLER (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)	$ 30.64	18.36
PAINTER: GROUP 2- BRIDGES (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)	$ 40.27	18.36
PAINTER: GROUP 3- STRUCTURAL STEEL (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)	$ 40.27	18.36
PAINTER: GROUP 4- SPRAY, EXCEPT BAR JOIST/DECK (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)	$ 31.14	18.36
PAINTER: GROUP 5- EPOXY/MASTIC; SPRAY- BAR JOIST/DECK; WORKING ABOVE 50 FEET; AND SWINGSTAGES (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)	$ 31.29	18.36
PAINTER: GROUP 6- TANKS; SANDBLASTING (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)	$ 35.27	18.36
PAINTER: GROUP 7- TOWERS; STACKS (COLUMBIANA, MAHONING, AND TRUMBULL COUNITES)	$ 32.64	18.36

PAIN0555-002 01/01/2025

	Rates	Fringes
PAINTER: GROUP 1- CONTAINMENT BUILDER (ADAMS, HIGHLAND, JACKSON, PIKE & SCIOTO)	$ 33.32	21.54
PAINTER: GROUP 2- BRUSH; ROLLER; POWER TOOLS, UNDER 40 FEET (ADAMS, HIGHLAND, JACKSON, PIKE & SCIOTO)	$ 35.02	21.54
PAINTER: GROUP 3- SAND BLASTING; SPRAY; STEAM CLEANING; PRESSURE WASHING; EPOXY & TWO COMPONENT MATERIALS; LEAD ABATEMENT; HAZARDOUS WASTE; TOXIC MATERIALS; BULK & STORAGE TANKS OF 25,000 GALLON CAPACITY OR MORE; ELEVATED TANKS (ADAMS, HIGHLAND, JACKSON, PIKE & SCIOTO)	$ 36.72	21.54
PAINTER: GROUP 4- STACKS; BRIDGES (ADAMS, HIGHLAND, JACKSON, PIKE & SCIOTO)	$ 40.03	21.54

PAIN0639-001 05/01/2011

	Rates	Fringes
SIGN PAINTER & ERECTOR FOOTNOTES: A. 7 PAID HOLIDAYS: NEW YEAR'S DAY; MEMORIAL DAY; JULY 4TH; LABOR DAY; THANKSGIVING DAY; CHRISTMAS DAY & 1 FLOATING DAY B. VACATION PAY: AFTER 1 YEAR'S SERVICE - 5 DAYS' PAID VACATION; AFTER 2, BUT LESS THAN 10 YEARS' SERVICE - 10 DAYS' PAID VACATION; AFTER 10, BUT LESS THAN 20 YEARS' SERVICE - 15 DAYS' PAID VACATION; AFTER 20 YEARS' SERVICE - 20 DAYS' PAID VACATION C. FUNERAL LEAVE UP TO 3 DAYS MAXIMUM PAID LEAVE FOR DEATH OF MOTHER, FATHER, BROTHER, SISTER, SPOUSE, CHILD, MOTHER-IN-LAW, FATHER-IN-LAW, GRANDPARENT AND INLAW PROVIDED EMPLOYEE ATTENDS FUNERAL	$ 20.61	3.50

PAIN0788-002 06/01/2024

	Rates	Fringes
PAINTER: BRUSH & ROLLER (ASHLAND, CRAWFORD, ERIE, HANCOCK, HURON, MARION, MORROW, OTTAWA (ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH & GENOA), RICHLAND, SANDUSKY, SENECA & WYANDOT) WINTER REPAINT: BETWEEN DECEMBER 1 TO MARCH 31 - 90%JR $.50 PER HOUR SHALL BE ADDED TO THE RATE OF PAY FOR THE CLASSIFICATION OF WORK: WHILE WORKING SWINGSTAGE, BOATSWAIN CHAIR, NEEDLE BEAM AND HORIZONTAL CABLE. WHILE OPERATING SPRAYGUNS, SANDBLASTING, COBBLASTING AND HIGH PRESSURE WATERBLASTING (4000PSI). $1.00 PER HOUR SHALL BE ADDED TO THE RATE OF PAY FOR THE CLASSIFICATION OF WORK: FOR THE APPLICATION OF CATALIZED EPOXY, INCLUDING LATEX EPOXY THAT IS DEEMED HAZARDOUS, LEAD ABATEMENT, OR FOR WORK OR MATERIAL WHERE SPECIAL PRECAUTIONS BEYOND NORMAL WORK DUTIES MUST BE TAKEN. FOR WORKING ON STACKS, TANKS, AND TOWERS OVER 40 FEET IN HEIGHT	$ 29.13	17.52
PAINTER: STRUCTURAL STEEL (ASHLAND, CRAWFORD, ERIE, HANCOCK, HURON, MARION, MORROW, OTTAWA (ALLEN, BAY, BONO, CATAWBA ISLAND, CLAY CENTER, CURTICE, DANBURY, EAGLE BEACH, ELLISTON, ELMORE, ERIE, FISHBACK, GEM BEACH & GENOA), RICHLAND, SANDUSKY, SENECA & WYANDOT) WINTER REPAINT: BETWEEN DECEMBER 1 TO MARCH 31 - 90%JR $.50 PER HOUR SHALL BE ADDED TO THE RATE OF PAY FOR THE CLASSIFICATION OF WORK: WHILE WORKING SWINGSTAGE, BOATSWAIN CHAIR, NEEDLE BEAM AND HORIZONTAL CABLE. WHILE OPERATING SPRAYGUNS, SANDBLASTING, COBBLASTING AND HIGH PRESSURE WATERBLASTING (4000PSI). $1.00 PER HOUR SHALL BE ADDED TO THE RATE OF PAY FOR THE CLASSIFICATION OF WORK: FOR THE APPLICATION OF CATALIZED EPOXY, INCLUDING LATEX EPOXY THAT IS DEEMED HAZARDOUS, LEAD ABATEMENT, OR FOR WORK OR MATERIAL WHERE SPECIAL PRECAUTIONS BEYOND NORMAL WORK DUTIES MUST BE TAKEN. FOR WORKING ON STACKS, TANKS, AND TOWERS OVER 40 FEET IN HEIGHT	$ 30.73	17.52

PAIN0813-005 12/01/2008

	Rates	Fringes
PAINTER: BASE RATE (GALLIA, LAWRENCE, MEIGS & VINTON)	$ 24.83	10.00
PAINTER: BRIDGES, LOCKS, DAMS & TENSION TOWERS (GALLIA, LAWRENCE, MEIGS & VINTON)	$ 27.83	10.00

PAIN0841-001 07/01/2025

	Rates	Fringes
PAINTERS: GROUP 1- BRUSH, ROLLER & PAPERHANGER (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES)	$ 31.93	18.15
PAINTERS: GROUP 2- EPOXY APPLICATION (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES)	$ 32.58	18.15
PAINTERS: GROUP 3- SWING SCAFFOLD, BOSUM CHAIR, &		

WINDOW JACK (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES).....$ 32.68 18.15
PAINTERS: GROUP 4- SPRAY GUN OPERATOR OF ANY & ALL COATINGS (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES).....$ 32.78 18.15
PAINTERS: GROUP 5- SANDBLAST, PAINTING OF STANDPIPES, ETC. FROM SCAFFOLDS, BRIDGE WORK AND/OR OPEN STRUCTURAL STEEL, STANDPIPES AND/OR WATER TOWERS (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES).....$ 33.18 18.15
PAINTERS: GROUP 6- PUBLIC & COMMERCE TRANSPORTATION, STEEL OR GALVANIZED, BRIDGES, TUNNELS & RELATED SUPPORT ITEMS (CONCRETE) (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES).....$ 38.60 18.15
PAINTERS: GROUP 7- SYNTHETIC EXTERIOR, DRYWALL FINISHER AND/OR TAPER, DRYWALL FINISHER AND FOLLOW-UP MAN USING AUTOMATIC TOOLS (MEDINA, PORTAGE (SOUTH OF AND INCLUDING OHIO TURNPIKE), AND SUMMIT (SOUTH OF AND INCLUDING OHIO TURNPIKE) COUNTIES).....$ 33.18 18.15

PAIN0841-002 07/01/2025

	Rates	Fringes
PAINTER: BRIDGES; TOWERS, POLES & STACKS; SANDBLASTING STEEL; STRUCTURAL STEEL & METALIZING (CARROLL, COSHOCTON, HOLMES, STARK, TUSCARAWAS & WAYNE)	$ 33.18	18.15
PAINTER: BRUSH & ROLLER (CARROLL, COSHOCTON, HOLMES, STARK, TUSCARAWAS & WAYNE)	$ 31.93	18.15
PAINTER: SPRAY; TANK INTERIOR & EXTERIOR (CARROLL, COSHOCTON, HOLMES, STARK, TUSCARAWAS & WAYNE)	$ 32.78	18.15

PAIN1020-002 07/01/2025

	Rates	Fringes
PAINTER: BRUSH & ROLLER (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES) ALL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM	$ 27.59	18.54
PAINTER: DRYWALL FINISHING & TAPING (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES): LL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM	$ 28.34	18.54
PAINTER: LEAD ABATEMENT (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES) ALL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM	$ 29.34	18.54

PAINTER: SPRAY, SANDBLASTING PRESSURE CLEANING, & REFINERY (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES) ALL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM.....$ 28.34 18.54

PAINTER: SWING STAGE, CHAIR, SPIDERS, & CHERRY PICKERS (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES) ALL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM.....$ 27.84 18.54

PAINTER: WALLCOVERINGS (ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER, PAULDING, PUTNAM, SHELBY, VAN WERT, AND WILLIAMS COUNTIES) ALL SURFACES 40 FT. OR OVER WHERE MATERIAL IS APPLIED TO OR LABOR PERFORMED ON, ABOVE GROUND LEVEL (EXTERIOR), FLOOR LEVEL (INTERIOR) - $.50 PREMIUM APPLYING COAL TAR PRODUCTS - $1.00 PREMIUM.....$ 28.34 18.54

PAIN1275-002 05/01/2025

	Rates	Fringes
PAINTER: BRIDGES (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION).....	$ 37.26	15.16
PAINTER: BRUSH; ROLLER (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION).....	$ 30.20	15.16
PAINTER: SANDBLASTING; STEAMCLEANING; WATERBLASTING (3500 PSI OR OVER)& HAZARDOUS WORK (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION).....	$ 32.35	15.16
PAINTER: SPRAY (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION).....	$ 32.15	15.16
PAINTER: STACKS; TANKS; & TOWERS (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION).....	$ 34.46	15.16
PAINTER: STRUCTURAL STEEL & SWING STAGE (DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS & UNION).....	$ 30.50	15.16

PLAS0109-001 06/01/2025

	Rates	Fringes
PLASTERER (MEDINA, PORTAGE, STARK, AND SUMMIT COUNTIES).....	$ 33.00	23.83

PLAS0109-003 06/01/2025

	Rates	Fringes
PLASTERER (CARROLL, HOLMES, TUSCARAWAS, AND WAYNE COUNTIES).....	$ 33.00	23.83

PLAS0132-002 07/01/2025

	Rates	Fringes
PLASTERER (BROWN, BUTLER, CLERMONT, HAMILTON, HIGHLAND, WARREN COUNTIES).....	$ 31.35	17.65

PLAS0404-002 05/01/2018

	Rates	Fringes
PLASTERER (ASHTABULA, CUYAHOGA, GEAUGA, AND LAKE COUNTIES)	$ 29.63	17.11

PLAS0404-003 05/01/2018

	Rates	Fringes
PLASTERER (LORAIN COUNTY)	$ 28.86	17.11

PLAS0526-022 05/01/2018

	Rates	Fringes
PLASTERER (COLUMBIANA, MAHONING, AND TRUMBULL COUNTIES)	$ 28.86	17.11

PLAS0526-023 05/01/2018

	Rates	Fringes
PLASTERER (BELMONT, HARRISON, AND JEFFERSON COUNTIES)	$ 28.21	17.11

PLAS0886-001 07/01/2025

	Rates	Fringes
PLASTERER (FULTON, HANCOCK, HENRY, LUCAS, PUTNAM, AND WOOD COUNTIES)	$ 36.65	25.60

PLAS0886-003 07/01/2025

	Rates	Fringes
PLASTERER (DEFIANCE, ERIE, HURON, OTTAWA, PAULDING, SANDUSKY, AND SENECA)	$ 36.65	25.60

PLAS0886-004 07/01/2025

	Rates	Fringes
PLASTERER (ALLEN, AUGLAIZE, HARDIN, LOGAN, MERCER, AND VAN WERT)	$ 35.29	23.07

PLUM0042-002 07/01/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (ASHLAND, CRAWFORD, ERIE, HURON, KNOX, LORAIN, MORROW, RICHLAND & WYANDOT)	$ 43.02	26.45

PLUM0050-002 06/30/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS & WOOD)	$ 51.00	32.56

PLUM0055-003 05/05/2025

	Rates	Fringes
PLUMBER (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, MEDINA (N. OF RTE. #18 & SMITH ROAD) & SUMMIT (N. OF RTE. #303, INCLUDING THE CORPORATE LIMITS OF THE CITY OF HUDSON))	$ 44.86	30.03

PLUM0083-001 07/01/2023

	Rates	Fringes
PLUMBER AND STEAMFITTER (BELMONT & MONROE (NORTH OF		

RTE. #78))..... $ 35.94 37.35

PLUM0094-002 05/01/2025

	Rates	Fringes
PLUMBER/PIPEFITTER (CARROLL (NORTHEN HALF), STARK, AND WAYNE COUNTIES).....	$ 47.48	27.14

PLUM0120-002 05/01/2025

	Rates	Fringes
PIPEFITTER (ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN (THE C.E.I. POWER HOUSE IN AVON LAKE), MEDINA (N. OF RTE. #18) & SUMMIT (N. OF #303)).....	$ 49.17	28.55

PLUM0162-002 06/01/2024

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (CHAMPAIGN, CLARK, CLINTON, DARKE, FAYETTE, GREENE, MIAMI, MONTGOMERY & PREBLE).....	$ 43.05	27.18

PLUM0168-002 06/01/2025

	Rates	Fringes
PLUMBER/PIPEFITTER (MEIGS, MONROE (SOUTH OF RTE. #78), MORGAN (SOUTH OF RTE. #78) & WASHINGTON).....	$ 40.92	37.20

PLUM0189-002 06/01/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (DELAWARE, FAIRFIELD, FRANKLIN, HOCKING, LICKING, MADISON, MARION, PERRY, PICKAWAY, ROSS & UNION).....	$ 53.00	27.59

PLUM0219-002 06/01/2025

	Rates	Fringes
PLUMBER AND STEAMFITTER (MEDINA (RTE. #18 FROM EASTERN EDGE OF MEDINA CO., WEST TO EASTERN CORPORATE LIMITS OF THE CITY OF MEDINA, & ON THE COUNTY ROAD FROM THE WEST CORPORATE LIMITS OF MEDINA RUNNING DUE WEST TO AND THROUGH COMMUNITY OF RISLEY TO THE WESTERN EDGE OF MEDINA COUNTY - ALL TERRITORY SOUTH OF THIS LINE), PORTAGE, AND SUMMIT (S. OF RTE. #303) COUNTIES).....	$ 46.87	28.39

PLUM0392-002 06/01/2025

	Rates	Fringes
PLUMBER/PIPEFITTER (BROWN, BUTLER, CLERMONT, HAMILTON & WARREN).....	$ 43.30	27.40

PLUM0396-001 06/01/2025

	Rates	Fringes
PLUMBER/PIPEFITTER (COLUMBIANA (EXCLUDING WASHINGTON & YELLOW CREEK TOWNSHIPS & LIVERPOOL TWP. - SECS. 35 & 36 - WEST OF COUNTY ROAD #427), MAHONING AND TRUMBULL COUNTIES).....	$ 40.55	29.25

PLUM0495-002 06/01/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (CARROLL (ROSE,		

MONROE, UNION, LEE, ORANGE, PERRY & LOUDON TOWNSHIPS), COLUMBIANA (WASHINGTON & YELLOW CREEK TOWNSHIPS & LIVERPOOL TOWNSHIP, SECS. 35 & 36, WEST OF COUNTY RD. #427), COSHOCTON, GUERNSEY, HARRISON, HOLMES, JEFFERSON, MORGAN (SOUTH TO STATE RTE. #78 & FROM MCCONNELSVILLE WEST ON STATE RTE. #37 TO THE PERRY COUNTY LINE), MUSKINGUM, NOBLE, AND TUSCARAWAS COUNTIES).....$ 39.32 37.60

PLUM0577-002 06/01/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (ADAMS, ATHENS, GALLIA, HIGHLAND, JACKSON, LAWRENCE, PIKE, SCIOTO & VINTON)	$ 42.65	28.56

PLUM0776-002 07/01/2025

	Rates	Fringes
PLUMBER, PIPEFITTER, STEAMFITTER (ALLEN, AUGLAIZE, HARDIN, LOGAN, MERCER, SHELBY AND VAN WERT COUNTIES)	$ 42.76	30.81

TEAM0377-003 05/01/2025

	Rates	Fringes
TRUCK DRIVER: GROUP 1- ASPHALT DISTRIBUTOR; BATCH; 4- WHEEL SERVICE; 4-WHEEL DUMP; OIL DISTRIBUTOR & TANDEM (STATEWIDE, EXCEPT CUYAHOGA, GEAUGA & LAKE)	$ 34.26	18.85
TRUCK DRIVER: GROUP 2- TRACTOR-TRAILER COMBINATION: FUEL; POLE TRAILER; READY MIX; SEMI-TRACTOR; & ASPHALT OIL SPRAYBAR MAN WHEN OPERATED FROM CAB; 5 AXLES & OVER; BELLY DUMP; END DUMP; ARTICULATED DUMP; HEAVY DUTY EQUIPMENT; LOW BOY; & TRUCK MECHANIC (STATEWIDE, EXCEPT CUYAHOGA, GEAUGA & LAKE)	$ 35.26	18.85

TEAM0436-002 05/01/2025

	Rates	Fringes
TRUCK DRIVER: GROUP 1- STRAIGHT & DUMP, STRAIGHT FUEL (CUYAHOGA, GEAUGA & LAKE)	$ 34.92	19.30
TRUCK DRIVER: GROUP 2- SEMI FUEL, SEMI TRACTOR, EUCLIDS, DARTS, TANK, ASPHALT SPREADERS, LOW BOYS, CARRY-ALL, TOURNA-ROCKERS, HI-LIFTS, EXTRA LONG TRAILERS, SEMI-POLE TRAILERS, DOUBLE HOOK-UP TRACTOR TRAILERS INCLUDING TEAM TRACK & RAILROAD SIDING, SEMI-TRACTOR & TRI-AXLE TRAILER, TANDEM TRACTOR & TANDEM TRAILER, TAG ALONG TRAILER, EXPANDABLE TRAILER OR TOWING REQUIRING ROAD PERMITS, READY-MIX (AGITATOR OR NON-AGITATOR), BULK CONCRETE DRIVER, DRY BATCH TRUCK, ARTICULATED END DUMP (CUYAHOGA, GEAUGA & LAKE)	$ 35.73	19.30

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this

contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Note: Executive Order 13658 generally applies to contracts subject to the Davis-Bacon Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. Executive Order 13658 does not apply to contracts subject only to the Davis-Bacon Related Acts regardless of when they were awarded. If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at least $13.65 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract from May 11, 2026, through December 31, 2026. The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under Executive Order 13658 is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than SU, UAVG, SA, or SC denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The SU identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

SU wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The SA identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the SA identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

a) a survey underlying a wage determination
b) an existing published wage determination
c) an initial WHD letter setting forth a position on a wage determination matter

d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

SCOPE OF WORK

Quantity Sheet

Seneca 5F Project

Seneca County, Multiple Townships

Well Names — Multiple Wells - See SOW Project Description Page

APIs

Line	Item	Description	Unit	Type	Cost	Qty	Estimate Total
		Phase 1: Mobilization and Access					
1	1100	Mobilization	Each	Material		11.00	
2	1110	Demobilization	Each	Material		11.00	
3	1140	Clearing & Grubbing (Bosler 1) (EA -Lump Sum)	Each	Material		1.00	
4	1140	Clearing & Grubbing Zeis 1 &2) (EA -Lump Sum)	Each	Material		1.00	
5	1150	Filter Fabric	Sq. Yd.	Material		250.00	
6	1160	Silt Fence	Linear Ft.	Material		900.00	
7	1230	No. 4 Stone	Ton	Material		25.00	
8	1250	No. 8 Stone	Ton	Material		285.00	
9	1260	No. 304 Aggregate Base	Ton	Material		25.00	
10	1510	Road Mats	Sq. Ft.	Material		113605.00	
11	1530	Steel Road Plates	Sq. Ft.	Material		160.00	
12	1570	Timber Mats	Sq. Ft.	Material		1792.00	
13	1640	Portable Bridge	Each	Material		2.00	
14	1700	Well Head Exploration (Zeis #1)	Each	Material		1.00	
		Phase 2: Well Site Safety					
15	2100	Site Safety	Each	Material		14.00	
16	2120	Absorbent Booms	Linear Ft.	Material		742.00	
17	2130	Secondary Containment	Each	Material		14.00	
18	2160	Well Head Control	Each	Material		14.00	
19	2171	Well Kill Fluid	BBL	Material		980.00	
20	2230	Conductor Casing (10.75")	Linear Ft.	Material		385.00	
21	2240	Surface Casing (5.5")	Linear Ft.	Material		1693.00	
		Phase 3: Plugging					
22	3100	Well Preparation & Plugging (Bryenton 1) (EA -Lump Sum)	Each	Material		1.00	
23	3100	Well Preparation & Plugging (Bryenton 2) (EA -Lump Sum)	Each	Material		1.00	
24	3100	Well Preparation & Plugging (Bosler 1) (EA -Lump Sum)	Each	Material		1.00	
25	3100	Well Preparation & Plugging (Burks 1) (EA -Lump Sum)	Each	Material		1.00	
26	3100	Well Preparation & Plugging (Saul Milo 2) (EA -Lump Sum)	Each	Material		1.00	
27	3100	Well Preparation & Plugging (Carragin John 1) (EA -Lump Sum)	Each	Material		1.00	
28	3100	Well Preparation & Plugging (Eugene Smith 1) WW) (EA -Lump Sum)	Each	Material		1.00	
29	3100	Well Preparation & Plugging (W Haugh 1) (EA -Lump Sum)	Each	Material		1.00	
30	3100	Well Preparation & Plugging (Hays Tineke 1) (EA -Lump Sum)	Each	Material		1.00	
31	3100	Well Preparation & Plugging (Kleinfelter Farms 2) (EA -Lump Sum)	Each	Material		1.00	
32	3100	Well Preparation & Plugging (Lynch 1) (EA -Lump Sum)	Each	Material		1.00	
33	3100	Well Preparation & Plugging (Saul Milo 1) (EA -Lump Sum)	Each	Material		1.00	
34	3100	Well Preparation & Plugging (Zeis 1) (EA -Lump Sum)	Each	Material		1.00	
35	3100	Well Preparation & Plugging (Zeis 2) (EA -Lump Sum)	Each	Material		1.00	
36	3240	Logging (GR/CCL/Temp/Bond/Caliper)	Each	Material		12.00	
37	3310	Tubing	Each	Material		1.00	
38	3340	Approved Cement (Sack)	Each	Material		4078.00	
39	3350	Cement Mixing & Pumping	Each	Material		52.00	
		Phase 4: Site Clean-up and Restoration					
40	4100	Site Restoration (Bryenton 1 & 2)	Each	Material		1.00	
41	4100	Site Restoration (Bosler 1)	Each	Material		1.00	
42	4100	Site Restoration (Burks 1 & Saul Milo 2)	Each	Material		1.00	
43	4100	Site Restoration (Carragin John 1)	Each	Material		1.00	
44	4100	Site Restoration (Eugene Smith 1)	Each	Material		1.00	
45	4100	Site Restoration (W Haugh 1)	Each	Material		1.00	
46	4100	Site Restoration (Hays Tineke 1)	Each	Material		1.00	
47	4100	Site Restoration (Kleinfelter Farms 2)	Each	Material		1.00	
48	4100	Site Restoration (Lynch 1)	Each	Material		1.00	
49	4100	Site Restoration (Saul Milo 1)	Each	Material		1.00	
50	4100	Site Restoration (Zeis 1 & 2)	Each	Material		1.00	
51	4160	Approved Resoil	Ton	Material		70.00	
52	4420	Contaminated Material Disposal	Ton	Material		70.00	
53	4440	Salvage Material Disposal	Each	Material		1.00	
54	4460	Fluid Disposal	BBL	Material		2100.00	
		Fixed Costs					
55	0800	Salvage Material Reimbursement	Each	Material	$0.00	1.00	$0.00
56	0810	Crop Damage (Corn)	Acre	Material	$925.00	3.71	$3,431.75
57	0820	Crop Damage (Soybean)	Acre	Material	$516.00	3.71	$1,914.36
58	0830	Crop Damage (Wheat)	Acre	Material	$636.00	3.71	$2,359.56
		Contingency					
59	2140	H2S Safety Team	Day	Material		5.00	
60	2150	H2S Safety Team Standby	Day	Material		5.00	
61	2181	Additional Circulation Fluid (Freshwater)	BBL	Material		100.00	
62	2191	Additional Circulation Fluid (Brine)	BBL	Material		100.00	
63	2230	Conductor Casing (13.375")	Linear Ft.	Material		40.00	
64	2270	Surface Casing (4.5")	Linear Ft.	Material		350.00	
65	2360	Downhole Videography	Each	Material		3.00	
66	3140	Fishing	Hour	Material		80.00	
67	3160	Milling/Drillout	Hour	Material		100.00	
68	3170	Magnet	Each	Material		2.00	
69	3250	Shooting	Each	Material		3.00	
70	3260	Perforating	Each	Material		3.00	
71	3380	Nine Sack Grout	Cubic Yd.	Material		15.00	
72	3480	Hydrogen Sulfide Scavenger	Gallons	Material		10.00	

Note: This quantity sheet is provided for reference only. The Contractor's Offer must be submitted online through OhioBuys (h ttps://procure.ohio.gov/bidders-and-suppliers). Quantities are only an estimate. Payment shall be based on quantities satisfactorily completed.

Each contractor is responsible for logging into OhioBuys and submitting an offer that is responsive to all amendments issued. All offers submitted prior to an amendment being issued shall become null/void and not considered in the opening. All amendments shall become part of the Scope of Work.

Offers must be fully submitted online through OhioBuys (https://procure.ohio.gov/bidders -and-suppliers).