City of Gahanna
Department of Engineering
200 South Hamilton Road • Gahanna, OH 43230
614.342.4050 Phone • 614.342.4100 Fax • www.gahanna.gov

INVITATION FOR BID

TAYLOR ROAD WATER MAIN REPLACEMENT
ST-1121

BID OPENING DATE: NOVEMBER 20, 2025 AT 2PM LOCAL TIME

Shelly & Sands, Inc
1515 Harmon Ave
Columbus, OH 43223
614-444-5100

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NOTICE TO BIDDERS

Sealed bids will be received by the City of Gahanna, Ohio ("Owner") until **2PM**, local time, on **November 20, 2025**, through the Owner's electronic bidding system for all labor, material, and services necessary for the **Taylor Road Water Main Replacement, ST-1121** (the "Project"), as more fully described in the Contract Documents prepared by the City of Gahanna. Bids received after this time will not be accepted. Bids will be opened publicly and read immediately thereafter. Subject to the right of the Owner to reject any or all bids, the Owner will award contracts to the bidder(s) submitting the lowest and best bid(s). There will be a **Prebid Meeting on October 31st at 10AM**, in the Committee Room, Gahanna City Hall, located at 200 South Hamilton Road.

Revised Engineer's Estimate: $2,947,000 (Base Bid)

The Owner utilizes an online electronic bidding system through BidExpress as its sole method of bid submission for projects and contracts that are subject to competitive bidding. Bidders new to the Owner's electronic bidding system must first register on the BidExpress website (www.bidexpress.com) to create an InfoTech Digital ID which is used to digitally sign bids. Registration is free. It can take up to five (5) business days to process a digital ID and it is highly recommended that a Digital ID be enabled 48-hours in advance of submitting an electronic bid. Bidders must plan accordingly. For additional guidance regarding the owner's electronic bidding system, bidders must contact Bid Express directly.

The base bid Project consists of water main replacement, concrete sidewalk and curb ramp removal and replacement and other related work. It is anticipated that the work will commence on January 2026 and be completed by September 2026.

A complete set of the Contract Documents is available for examination at the office of the Director of Engineering, 200 South Hamilton Road, Gahanna, Ohio 43230 during its normal business hours without charge. Copies may be obtained through the Owner's electronic bidding system.

All bids must be accompanied by a Bid Guaranty and Contract Bond for the full amount of the bid (including all add alternates) as described in the Information and Requirements for Bidders. If State or Federal Labor Standards Provisions and State Wage Decisions are applicable to this project, it will be a part of the Contract Documents.

All bids must be accompanied by a preliminary planned schedule on proposed work and timelines involved with each phase of the project on when they plan to start, duration and complete each.

No Bidder may withdraw its bid within sixty (60) calendar days after the bid opening. The Owner reserves the right to waive irregularities in bids, to reject any or all bids, and to conduct such investigation as necessary to determine the lowest and best bidder for each contract.

Holly Boyer, PE
Senior Utilities Engineer

Advertise: October 24 & October 31

INFORMATION AND REQUIREMENTS FOR BIDDERS

Information and Requirements for Bidders Coversheet (the "Coversheet")
Each Bidder shall be responsible for submitting its Bid in accordance with the instructions in this Information and Requirements for Bidders, for the bid opening, before **2PM** (local time) on **November 20, 2025** (the "Bid Deadline").
The Bid shall be submitted through the Owner's electronic bidding system, as its sole method of bid submission for projects and contracts that are subject to competitive bidding. Bidders new to the Owner's electronic bidding system must first register on the BidExpress website (www.bidexpress.com) to create an InfoTech Digital ID which is used to digitally sign bids. Registration is free. It can take up to five (5) business days to process a Digital ID and it is highly recommended that a Digital ID be enabled 48 hours in advance of submitting an electronic bid. Bidders must plan accordingly. For additional guidance regarding the Owner's electronic bidding system, bidders must contact Bid Express directly. Each Bidder shall be responsible for submitting its electronic Bid as instructed by the Owner, before the Bid Deadline.
The Design Professional (referred to as the "Design Professional" or "Engineer" in the Contract Documents) is: Fishbeck 1 East Campus View Boulevard, Suite 310 Columbus, Ohio 43235 Phone: 614.363.1001 If no other individual is named, then the Director of Engineering shall be considered to be the Project Design Professional.
The Design Professional's Representative is: Brenda VanCleave, bvancleave@fishbeck.com
The Project and Work for the Project consists of all labor, materials, equipment, and services necessary for the **Taylor Road Water Main Replacement, ST-1121** (the "Project").
The Date for Substantial Completion is:
The total estimated construction cost for the base bid Work on the Project for which bids are being solicited at this time is: **Revised estimate is: $2,947,000.00**
A complete set of the Contract Documents is available for examination, without charge, at the Office of the Director of Engineering, 200 South Hamilton Road, Gahanna, Ohio 43230 during its normal business hours. Copies may be obtained through the Owner's electronic bidding system.

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A. BIDDER'S PLEDGE AND AGREEMENT

1. Each Bidder acknowledges that this is a public project involving public funds and that the Owner expects and requires that each successful Bidder adhere to the highest ethical and performance standards. Each Bidder by submitting a bid pledges and agrees that (a) it will act at all times with absolute integrity and truthfulness in its dealings with the Owner and the Design Professional, (b) it will use its best efforts to cooperate with the Owner and the Design Professional and all other Contractors on the Project and at all times will act with professionalism and dignity in its dealings with the Owner, Design Professional, and other Contractors, (c) it will assign only competent supervisors and workers to the Project, each of whom is fully qualified to perform the tasks that are assigned to him/her, and (d) it has read, understands and will comply with the terms of the Contract Documents.

B. EXAMINATION OF CONTRACT DOCUMENTS AND SITE CONDITIONS AND RELIANCE UPON TECHNICAL DATA

1. Each Bidder shall have a competent person carefully and diligently review each part of the Contract Documents, including the Divisions of the Specifications and parts of the Drawings that are not directly applicable to the Work on which the Bidder is submitting its bid. By submitting its bid, each Bidder represents and agrees, based upon its careful and diligent review of the Contract Documents, that it is not aware of any conflicts, inconsistencies, errors, or omissions in the Contract Documents for which it has not notified the Design Professional in writing at least seven (7) calendar days prior to the bid opening. If there are any such conflicts, inconsistencies, errors, or omissions in the Contract Documents, the Bidder (i) will provide the labor, equipment, or materials of the better quality or greater quantity of Work and/or (ii) will comply with the more stringent requirements. The Bidder will not be entitled to any additional compensation for any conflicts, inconsistencies, errors, or omissions that would have been discovered by such careful and diligent review, unless it has given prior written notice to the Design Professional.

2. Each Bidder shall have a competent person carefully and diligently inspect and examine the entire site and the surrounding area, including all parts of the site applicable to the Work for which it is submitting its bid, including location, condition, and layout of the site and the location of utilities, and carefully correlate the results of the inspection with the requirements of the Contract Documents. The Bidder's bid shall include all costs attributable to site and surrounding area conditions that would have been discovered by such careful and diligent inspection and examination of the site and the surrounding area, and the Bidder shall not be entitled to any, additional compensation, or additional time on account of such conditions.

3. The Bidder may rely upon the general accuracy of any technical data included in the Project Manual (e.g., soils exploration reports, soil boring logs, site survey, or abatement reports) in preparing its bid, but such technical data are not part of the Contract Documents. Except for the limited reliance described in the preceding sentence, Bidder may not, if awarded a contract for the Work, rely upon or make any Claim against the Owner or Design Professional, or any of their agents or employees, with respect to any of the following:

    a. the completeness of such reports and drawings for Bidder's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by the successful Bidder and safety precautions and programs incident thereto;

    b. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or

c. any interpretation by the successful Bidder of or conclusion drawn from any technical data or any such other data, interpretations, opinions, or information. For example, all interpolations and extrapolations of data performed by the Bidder to estimate locations or quantities of subsurface strata are independent factual assumptions, which Owner does not warrant.

4. Each Bidder will be deemed to have actual knowledge of all information provided or discussed at the pre-bid meeting.

C. OWNER & DESIGN PROFESSIONAL

1. The Owner is:

City of Gahanna
Telephone: 614-342-4050
Fax: 614-342-4100
Email: Engineering@gahanna.gov

The Owner's Representative is **Holly Boyer, PE**

2. The Design Professional (referred to as the "Design Professional" or "Engineer" in the Contract Documents) is set forth in the Coversheet.

D. PROJECT

1. The Project and Work for the Project consists of all labor, materials, equipment, and services necessary for the Project as identified in the Coversheet, all in accordance with the Drawings and Specifications prepared by the Design Professional. The Project will be substantially complete by the Date for Substantial Completion, identified in the Coversheet.

E. WORK

1. The Project consists of the contract(s) for work on the Project identified in the Coversheet. Individual bid package estimates are provided for the Bidder's information only.

F. ESTIMATE OF COST

1. The total estimated construction cost for the base bid Work on the Project for which bids are being solicited at this time is set forth in the Coversheet.

G. CONTRACT DOCUMENTS

1. The Contract Documents consist of the Contract Documents listed in Section 1 of the Owner-Contractor Agreement.

a. A complete set of the Contract Documents is available for examination, without charge, at the Office of the Director of Engineering, 200 South Hamilton Road, Gahanna, Ohio 43230 during its normal business hours. Copies may be obtained through the Owner's electronic bidding system.
b. Bidders shall use complete sets of Contract Documents in preparing bids. Neither the Owner nor the Design Professional assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Contract Documents.
c. The Owner or the Design Professional, in making the Contract Documents available on the above terms, does so only for the purpose of obtaining bids on the Work and does not confer a license or grant for any other use.

H. PREPARATION OF BIDS

1. All bid documents in **Appendix C** must be completed and submitted at the time of the bid opening including but not limited to a Bid Guaranty. See Section H.7 below. All bids must be submitted on the Bid Form furnished with the Contract Documents.

2. Fill in all blank spaces, in ink or typewritten, in words and figures, and in figures only where no space is provided for words: sign the Bid Form. The wording on the Bid Form shall be used without change, alteration, or addition. Any change in the wording or omission of specified accompanying documents may cause the bid to be rejected. If there is an inconsistency or conflict in the bid amount, the lowest amount shall control, whether expressed in numbers or words.

3. Bidders shall note receipt of all Addenda by signing and including as an attachment under Contractor's Qualifications Statement (Additional Material) section on Bid Express. If the Bidder fails to acknowledge receipt of each Addendum, the Bid shall be deemed non-responsive, unless the Bid amount clearly and unambiguously reflects receipt of the Addendum, or the Addendum involves only a matter of form and does not affect the price, quantity, or quality of the Work to be performed in any material manner.

   The bid opening shall be extended one (1) week if any addenda is issued within a seventy-two (72) hour period prior to the bid opening, excluding Saturdays, Sundays and legal holidays, with no further advertising of bids required unless otherwise noted in the addendum. It is the sole responsibility of the bidder to ensure that their bid is received in the proper time before the bid deadline.

4. Each Bidder shall submit their bid only through the Owner's electronic bidding system as set forth in the Coversheet. The Bid Form shall be signed with the name typed below the signature. A Bidder that is a corporation shall sign its bid with the legal name of the corporation followed by the name of the state of incorporation and the legal signature of an officer authorized to bind the corporation to a contract

5 The completed Bid Form shall be accompanied by the following documents: All bid documents in **Appendix C** located on Bid Express. Any change in the wording or omission of specified accompanying documents may cause the bid to be rejected.

6. The Bidder shall take the following precautions in preparing its bid:

   a. Sign the bid and check to insure all blank spaces have been filled in with requested information and the specified accompanying documents (listed in Item 5 above).

   b. When the Bid Form provides for quoting either an addition or deduction for an Alternate item, indicate whether the sum named is an addition or deduction. If it is not indicated, it will be conclusively presumed that the amount is a deduction.

   c. When the Bid Form provides for quoting a unit price, the Bidder should quote the unit price as set forth in the Bid Documents.

   d. When applicable, make sure that the Bid Guaranty is properly executed and signed by:

      1) The Bidder
      2) The Surety or Sureties

   e. The form of Bid Guaranty must be a Bid Guaranty and Contract Bond and the amount may be left blank; if an amount is inserted, it must equal the total of the base bid and all add alternates included. If an amount is inserted, the failure to state an amount equal to or greater than the total of the base bid and all add alternates that are accepted shall make the bid non-responsive.

f. Make sure that the appropriate bid package and scope of work is inserted in the correct space on the Bid Guaranty and Contract Bond Form. Failure to include work covered by the bid submitted may make the bid non-responsive.

g. Combination Bids. The Owner may provide the option of submitting a combination bid on the Bid Form.

(1) When there is an option for submitting a combination bid on the Bid Form, a Bidder desiring to submit a combination bid for two or more bid packages shall include both of the following on the Bid Form:

(a) the combination bid amount in the space provided, identifying the bid packages included in the combination bid amount; AND

(b) separate base bids for each bid package, including alternates, included in the combination bid in the places provided on the Bid Form for the individual bid packages.

NOTE: The individual cost amounts of each base bid need not total the combination bid amount.

7. ***Bonds and Guarantees***: See Section 6.01 of the Gahanna Standard General Conditions.

I. METHOD OF AWARD

1. All bids shall remain open for acceptance for sixty (60) calendar days following the day of the bid opening, but the Owner may, in its sole discretion, release any bid and return the Bid Guaranty prior to that date. The Bid Guaranty shall be subject to forfeiture, as provided in the Ohio Revised Code, if a bid is withdrawn during the period when bids are being held.
2. The Owner reserves the right to reject any, part of any, or all bids and to waive any informalities and irregularities. The Bidder expressly acknowledges this right of the Owner to reject any or all bids or to reject any incomplete or irregular bid. The Owner will award a single contract for each of the bid packages listed above or one or more combined contracts for combinations of the Bid Packages, unless it determines to reject one or more bid packages. Bidders must furnish all information requested on or accompanying the Bid Form. Failure to do so may result in disqualification of the bid.
3. Determination of the Bidder Submitting the Lowest and Best Bid. Subject to the right of the Owner to reject any or all bids, the Owner will award the Contract for the Work to the Bidder submitting the lowest and best bid, taking into consideration accepted alternates. In evaluating bids, the Owner may consider the qualifications of the Bidders, whether or not the bids comply with the prescribed requirements, and alternates and unit prices, if requested, on the Bid Form. The Owner may also consider the qualifications and experience of subcontractors and suppliers. The Owner may conduct such investigations as are deemed necessary to establish the qualifications and financial ability of the Bidder and its subcontractors and suppliers. The factors the Owner may consider in determining which Bidder submitted the lowest and best bid or which Bidders submitted the lowest and best bids include the factors set forth below. The Owner, in its discretion, may consider and give such weight to these criteria as it deems appropriate. Owner reserves the right to request additional information and documentation, including but not limited to information and documentation relating to the following factors, from Bidders after the bid opening.

a. The Bidder's work history. The Bidder should have a record of consistent customer satisfaction and of consistent completion of projects, including projects that are comparable to or larger and more complex than the Owner's Project, on time and in accordance with the applicable Contract Documents, and the Bidder's claims history. If the Bidder's management operates or has operated another construction company, the Owner may consider the work history of that company in determining whether the Bidder submitted the lowest and best bid.

   The Owner may consider the Bidder's prior experience on other projects with the Owner and Design Professional, including the Bidder's demonstrated ability to complete its work on these projects in accordance with the Contract Documents and on time, and will also consider its ability to work with the Owner and Design Professional as a willing, cooperative, and successful team member.

   The Bidder authorizes the Owner and its representatives to contact the owners and design professionals (and construction managers, if applicable) on projects on which the Bidder has worked and authorizes and requests such owners and design professionals (and construction managers) to provide the Owner with a candid evaluation of the Bidder's performance. By submitting its bid, the Bidder agrees that if it or any person, directly or indirectly, on its behalf or for its benefit brings an action against any of such owners or design professionals (or construction managers) or the employees of any of them as a result of or related to such candid evaluation, the Bidder will indemnify and hold harmless such owners, design professionals (and construction managers) and the employees of any of them from any claims whether or not proven that are part of or are related to such action and from all legal fees and expenses incurred by any of them arising out of or related to such legal action. This obligation is expressly intended for the benefit of such owners, design professionals (and construction managers), and the employees of each of them.

b. The Bidder's financial ability to complete the Contract successfully and on time without resort to its Surety.

c. The Bidder's prior experience with similar work on comparable or more complex projects.

d. The Bidder's prior history for the successful and timely completion of projects, including the Bidder's history of filing and having claims filed against it.

e. The Bidder's equipment and facilities.

f. The preliminary or proposed schedule provided with the bid documents.

g The adequacy, in numbers and experience, of the Bidder's work force to complete the Contract successfully and on time.

h. The Bidder's compliance with federal, state, and local laws, rules, and regulations, including but not limited to the Occupational Safety and Health Act, the Ohio Prevailing Wage laws, and Ohio ethics laws.

i. The foregoing information with respect to each of the Subcontractors and Suppliers that the Bidder intends to use on the Project.

j. The Bidder's participation in a drug-free workplace program acceptable to the Owner, and the Bidder's record for both resolved and unresolved findings of the Auditor of State for recovery as defined in Section 9.24 of the Ohio Revised Code.

k. The Owner's prior experience with the Bidder's surety.

l. The Bidder's interest in the Project as evidenced by its attendance at any pre-bid meetings or conferences for bidders.

m. The Bidder's ability to self-perform the work on the Project with the Bidder's own forces.

n. Depending upon the type of the work, other essential factors, as the Owner may determine and as are included in the Specifications.

o. Any and all OSHA citations within the previous three years, together with the Bidder's description and explanation of remediation or other steps taken regarding such citations and notices of citations.

p. Any and all violations within the previous five years pertaining to unlawful intimidation or discrimination against any employee by reason of race, creed, color, disability, gender, or national origin and/or violation of any employee's civil or labor rights or equal employment opportunities.

q. Any litigation in which the Bidder has been named as a defendant or third-party defendant in an action involving a claim for personal injury or wrongful death arising from performance of work related to any project in which it has been engaged within the previous five years.

r. Any violations of the prevailing wage law and any other state or federal labor law, including, but not limited to, child labor violations, failure to pay wages, or unemployment insurance tax delinquencies or unfair labor practices within the past five years.

s. Violations of the workers compensation law.

t. Any criminal convictions or criminal indictments, involving the Bidder, its officers, directors, owners, and/or managers within the past five years.

u. Any violation within the past five years or pending charges concerning federal, state, or municipal environmental and/or health laws, codes, rules and/or regulations.

v. Documentation that the Bidder provides health insurance and pension benefits to its employees.

w. Whether the Bidder has adopted and implemented a comprehensive drug and alcohol testing program for its employees.

x. Whether the Bidder's employees are OSHA-10 hour and/or OSHA-30-hour safety certified.

y. Submitted estimated timeline showing milestones, start and complete dates

z. List of project managers, foreman, safety coordinators and crew members to perform work and assigned to this program to include previous years of experience for each, certifications in asphalt, flatwork, concrete and other related fields.

aa. Methodology on how to maintain pedestrian and ADA access to residents' homes during construction.

bb. Submission of EPD's (Environmental Product Declarations) for materials used for project.

cc. The foregoing information with respect to each of the Subcontractors and Suppliers that the Bidder intends to use on the Project.

4. Within three (3) business days after the Owner's identification of the apparent lowest and best bidder, if requested, the apparent lowest and best bidder will complete and submit to the Design Professional a completed Contractor's Qualification Statement (using the form included in the Project Manual), and thereafter will provide the Design Professional with such additional information as the Design Professional may request regarding the Bidder's qualifications. Additionally, upon request from the Design Professional, any other Bidder will promptly complete and submit to the Design Professional a completed Contractor's Qualification Statement and thereafter will provide the Design Professional with such additional information as the Design Professional may request regarding the Bidder's qualifications. A Bidder will submit any requested information within three (3) business days of the date of the request.

5. The failure to submit requested information on a timely basis may result in the determination that the Bidder is not the lowest and best bidder.

6. By submitting its bid, the Bidder agrees that the Owner's determination of which bidder is the lowest and best bidder shall be final and conclusive, and that if the Bidder or any person or association on its behalf challenges such determination in any legal proceeding, the Bidder shall indemnify and hold the Owner and its employees and agents harmless from any claims included in or related to such legal proceeding, whether or not proven, and from legal fees and expenses incurred by the Owner, its employees, or agents that arise out of or are related to such challenge.

7. Within three (3) business days of receipt of the bids or such longer time as may be permitted in writing by the Design Professional, the apparent low Bidder will submit a list of all proposed Subcontractors and Suppliers. After approval by the Owner and Design Professional of the list of proposed Subcontractors, Suppliers, and manufactures submitted by the successful Bidder, the list shall not be changed unless written approval of the change is authorized by the Owner and Design Professional.

8. Affidavit as to Personal Property Taxes. Each successful Bidder shall submit, prior to the time of the entry into the Contract, an affidavit in the form required by Section 5719.042, Ohio Revised Code, regarding the status of the Bidder's personal property taxes. A copy of the affidavit form is included with the Contract Documents.

9. No Bidder may withdraw its bid within sixty (60) calendar days after the date bids are opened. The Owner reserves the right to waive any formalities or irregularities or to reject any or all bids.

10. The Owner reserves the right to disqualify bids, before or after opening, upon evidence of collusion with intent to defraud or other illegal practices on the part of the Bidder.

11. Award of Contract. The award of the Contract, when required, will only be made pursuant to a duly adopted resolution of the Owner.

J. EXECUTION OF CONTRACT

Within ten (10) business days after award of the Contract, the successful Bidder shall execute and deliver to the Design Professional the required number of copies of the Owner-Contractor Agreement, in the form included in the Contract Documents, and all accompanying documents requested, including, but not limited to, a Contract Bond (if applicable), insurance certificates,

and a valid Workers' Compensation Certificate. The award of Contract notwithstanding, the successful Bidder shall have no property interest or rights under the Owner-Contractor Agreement until such time as the Owner-Contractor Agreement is executed by the successful bidder and the Owner.

K. SUBSTITUTIONS/NON-SPECIFIED PRODUCTS

1. Certain brands of material or apparatus may be specified. Each bid will be based on these brands, which may be referred to in the Contract Documents as Standards. The use of another brand (referred to as a substitution or proposed equal in the Contract Documents, when a bidder or the contractor seeks to have a different brand of material or apparatus than that specified approved by the Owner for use in the Project) may be requested as provided herein. Substitutions, however, will not be considered in determining the lowest and best bid.

2. The products specified in the Contract Documents establish a standard of required function, dimension, appearance, and quality.

3. Bidders wishing to obtain approval to bid non-specified products shall submit written requests to the Design Professional a minimum of ten (10) business days before the bid date and hour. To facilitate the submission of requests, the Bidder shall submit a form that includes the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitution, including the name of the proposed manufacturer and/or product and a complete description of the proposed product including manufacturer's name and model number or system proposed, drawings, product literature, performance and test data, color selections or limitations, and any other information necessary for evaluation. Include a statement including any changes in other materials, equipment, or other work that would be required if the proposed product is incorporated in the materials, equipment, or other work that would be required if the proposed product is incorporated in the work. The burden of proof of the merit of the proposed product is on the proposer. The Design Professional's decision on approval of a proposed product will be final.

   The following will be cause for rejection of a proposed substitution:

   a. Requests submitted by subcontractors, material suppliers, and individuals other than Bidders;

   b. Requests submitted without adequate documentation;

   c. Requests received after the specified cut-off date.

4. When the Design Professional approves a product submission before receipt of bids, the approval will be included in an Addendum, and Bidders may include the pricing of this product in their bid. Bidders shall not rely on approvals made in any other manner.

5. In proposing a non-specified product or a substitution, the Bidder represents and warrants that each proposed product will not result in any changes to the Project, including changes to the Work of other contractors, or any decrease in the performance of any equipment or systems to be installed in the Project and agrees to pay any additional costs incurred by the Owner and the Owner's consultants as a result of a non-specified or substitute product that is accepted.

6. Following the award of the Contract, there shall be no substitutions for specified products, except pursuant to a Change Order. The Owner in its sole discretion may decline to consider a substitution for a Change Order.

L. ALTERNATES

1. The Owner may request bids on alternates. If the Owner requests bids on alternates, the Bidder should include the cost of the alternates requested on its Bid Form.
2. At the time of awarding the contract, the Owner will select or reject alternates as it determines is in its best interest. A Bidder's failure to include on its Bid Form the cost of an alternate selected by the Owner and applicable to the Bidder's work shall render the bid non-responsive and be grounds for the rejection of the bid. Otherwise, the failure to include the cost of an alternate will not be deemed material.
3. The Bidder acknowledges that although there is an estimate for the cost of the Project, the market conditions may and frequently do result in the estimate being different from the sum of the bids received, either higher or lower. The Bidder understands that the Owner may include alternates, which may include deduct alternates as well as add alternates, to give it flexibility to build the Project with the funds available. The Bidder further understands and acknowledges that use of add and deduct alternates is a long held customary practice in the construction industry in the State of Ohio. The Bidder also acknowledges that the Owner will not make a decision about the alternates on which to base the award of contracts until the bids are received, and the Owner can compare its available funds with the base bids and the cost or savings from selecting different alternates. The Bidder understands that the award to the Bidder submitting the lowest and best bid will be based on the lowest base bid plus selected alternates, and may result in an award to a Bidder other than the Bidder that submitted the lowest base bid.
4. If, during the progress of the Work, the Owner desires to reinstate any alternate not included in the Contract, the Owner reserves the right to reinstate the alternate at the price bid by the Contractor provided that such action is taken in sufficient time so as not to delay the progress of the work or cause the Contractor additional expense.

M. UNIT PRICES: See Section 13.03 of the Gahanna Standard General Conditions.

N. ADDENDA

1. The Owner reserves the right to issue Addenda changing, altering, or supplementing the Contract Documents prior to the time set for receiving bids. Addenda may be issued to clarify bidders' questions and/or to change, alter, or supplement the Contract Documents.
2. Any explanation, interpretation, correction, or modification of the Contract Documents will be issued in writing in the form of an Addendum, which shall be the only means considered binding; explanations, interpretations, etc., made by any other means shall NOT be legally binding. All Addenda shall become a part of the Contract Documents.
3. Bidders shall submit written questions to the Design Professional in sufficient time in advance of the bid opening to allow sufficient time for the Design Professional to respond. The Owner—after consultation with the Design Professional—shall in its sole discretion determine whether or not an Addendum will be issued. All Addenda will be issued, except as hereafter provided, through the Owner's electronic bidding system to all bidding plan holders, at least seventy-two (72) hours prior to the published time for the opening of bids, excluding Saturdays, Sundays, and legal holidays. If any Addendum is issued within such seventy-two (72) hour period, then the time for opening of bids shall be extended one (1) week with no further advertising of bids required unless otherwise noted in the Addendum
4. Copies of each Addendum will be sent only to the Bidders to whom Contract Documents have been issued and to Plan Rooms where copies of the Contract Documents are maintained.

Receipt of Addenda shall be indicated by Bidders in the space provided on the Bid Form. Bidders are responsible for acquiring issued Addenda in time to incorporate them into their bid. Bidders should contact the Design Professional prior to the bid opening to verify the number of Addenda issued.

5. Each Bidder shall carefully read and review the Contract Documents and immediately bring to the attention of the Design Professional any error, omission, inconsistency, or ambiguity therein.

6. If a Bidder fails to indicate receipt of all Addenda through the last Addendum issued by the Design Professional on its Bid Form, the bid of such Bidder will be deemed to be responsive only if:

   a. The bid received clearly indicates that the Bidder received the Addendum, such as where the Addendum added another item to be bid upon and the Bidder submitted a bid on that item; or

   b. The Addendum involves only a matter of form or is one which has either no effect or has merely a trivial or negligible effect on price, quantity, quality, or delivery of the item bid upon.

O. INTERPRETATION

1. If a Bidder contemplating submitting a bid for the proposed Project is in doubt as to the true meaning of any part of the Contract Documents, it may submit a written request for an interpretation thereof to the Design Professional a minimum of five (5) business days prior to the Bid opening date. Any interpretation of the proposed documents will be made by Addendum only, duly signed by the Design Professional, and a copy of such Addendum will be delivered to each Bidder receiving a set of Contract Documents or that has asked to be added to the plan holders list. Addenda and clarifications will be sent via email, unless a different delivery method is requested. The Owner will not be responsible for any other explanation or interpretation of the proposed documents.

2. In interpreting the Contract Documents, words describing materials that have a well-known technical or trade meaning, unless otherwise specifically defined in the Contract Documents, shall be construed in accordance with the well-known meaning recognized by the trade.

3. Bidders are responsible for notifying the Design Professional in a timely manner of any ambiguities, inconsistencies, errors, or omissions in the Contract Documents. The Bidder shall not, at any time after the execution of the Contract, be compensated for a claim alleging insufficient data, incomplete Contract Documents, or incorrectly assumed conditions regarding the nature or character of the Work, if no request was made by the Bidder prior to the bid opening.

P. STATE SALES AND USE TAXES

1. The Owner is a political subdivision of the State of Ohio and is exempt from taxation under the Ohio Sales Tax and Use Tax Laws. Building materials that the successful Bidder purchases for incorporation into the Project will be exempt from state sales and use taxes if the successful Bidder provides a properly completed Ohio Department of Taxation Construction Contract Exemption Certificate to the vendors or suppliers when the materials are acquired. The Owner will execute properly completed certificates on request.

Q. DATE FOR SUBSTANTIAL COMPLETION/LIQUIDATED DAMAGES

1. Date for Substantial Completion. Each successful Bidder shall have its Work on the Project Substantially Complete (as Substantial Completion is defined in the Contract Documents) by the Date of Substantial Completion set forth in the Coversheet, or within the Contract Time, as applicable to the Bidder's scope of work. The Contract Time shall run from the date of the Notice to Proceed or if there is no Notice to Proceed from the Effective Date of the Owner- Contractor Agreement. The Date for Substantial Completion Date and the Contract Time may be extended only by Change Order, by other Modification, or by a Claim that is Finally Resolved. By submitting its Bid, each Bidder agrees that the period for performing its Work is reasonable.
2. Liquidated Damages. If the successful Bidder does not have its Work Substantially Complete by its Date for Substantial Completion and/or Finally Complete within forty-five (45) calendar days of achieving Substantial Completion, whichever may be applicable, the successful Bidder shall pay the Owner and the Owner may set off from amounts otherwise due the successful Bidder Liquidated Damages. The daily amounts of Liquidated Damages are set forth in the tables included in the Owner-Contractor Agreement. The total amounts of Liquidated Damages will be calculated based on the total number of calendar days beyond the Date for Substantial Completion that the Bidder's Work is not Substantially Complete and/or to the extent that its Work is not Finally Complete more than forty-five (45) calendar days after the Substantial Completion of its Work, i.e., number of late days times the per diem rate(s) for Liquidated Damages in the tables. In addition to such Liquidated Damages, the Bidder shall indemnify, defend, and hold the Owner and its employees and agents harmless from any and all claims, whether or not such claims are proven, and from all costs and expenses incurred as a result of such claims, including but not limited to attorneys' and consultants' fees and expenses, that arise out of or are related to the Bidder's failure to Substantially Complete its Work by its Date for Substantial Completion. The Bidder's obligations under this Section are joint and several.
3. The Bidder acknowledges and agrees, by submitting its bid for the Work and entering into a Contract with the Owner, that such amounts of Liquidated Damages represent a reasonable estimate of the actual damages for loss of or interference with the intended use of the Project that the Owner would incur if the Bidder's Work is not Substantially Complete by its Date for Substantial Completion and/or not Finally Complete by forty-five (45) calendar days of the Date of Substantial Completion. The Bidder further acknowledges, agrees and understands that it may seek an extension of the Contract Time (and its Date for Substantial Completion) to avoid or reduce Liquidated Damages by properly following the Claim procedures in the Contract Documents.

R. OWNER'S RIGHT TO WAIVE DEFECTS AND IRREGULARITIES

1. The Owner reserves the right to waive any and all irregularities provided that the defects and irregularities do not affect the amount of the bid in any material respect or otherwise give the Bidder a competitive advantage.

S. MODIFICATION/WITHDRAWAL OF BIDS

1. 1. Modification. A Bidder may modify its bid by written communication to the Owner addressed to the Owner's Representative at any time prior to the scheduled closing time for receipt of bids, provided such written communication is received by Owner's Representative prior to the bid deadline. The written communication shall not reveal the bid price but should provide the addition or subtraction or other modification so that the final prices or terms will not be known until the sealed bid is opened. If the Bidder's written

instructions with the change in bid reveal the bid amount in any way prior to the bid opening, the bid may be rejected as non-responsive.

2. Withdrawal Prior to Bid Deadline. A Bidder may withdraw its bid at any time for any reason prior to the bid deadline for the opening of bids established in the Legal Notice. The request to withdraw shall be made in writing to and received by the Owner's Representative prior to the time of the bid opening.

3. Withdrawal after Bid Deadline.

   a. All bids shall remain valid and open for acceptance for a period of at least sixty (60) calendar days after the bid opening; provided, however, that a Bidder may withdraw its bid from consideration after the bid deadline when all of the following apply:

      (1) the price bid was substantially lower than the other bids;

      (2) the reason for the bid being substantially lower was a clerical mistake, rather than a mistake in judgment, and was due to an unintentional and substantial error in arithmetic or an unintentional omission of a substantial quantity of work, labor, or material;

      (3) the bid was submitted in good faith; and

      (4) the Bidder provides written notice to the Owner, to the attention of the Owner's Representative, within two (2) business days after the bid opening for which the right to withdraw is claimed.

   b. No bid may be withdrawn under this provision if the result would be the awarding of the contract on another bid for the bid package from which the Bidder is withdrawing its bid to the same Bidder.

   c. If a bid is withdrawn under this provision, the Owner may award the Contract to another Bidder determined by the Owner to be the lowest and best bidder or the Owner may reject all bids and advertise for other bids. In the event the Owner advertises for other bids, the withdrawing Bidder shall pay the costs incurred in connection with the rebidding by the Owner, including the cost of printing new Contract Documents, required advertising, and printing and mailing notices to prospective bidders, if the Owner finds that such costs would not have been incurred but for such withdrawal.

T. COMPLIANCE WITH APPLICABLE LAWS

1. By submitting a bid for Work on the Project, the Bidder acknowledges that it is in compliance with applicable federal, state, and local laws and regulations, including, but not limited to, the following:

   a. Equal Employment Opportunity/Nondiscrimination. The Bidder agrees that if it is awarded a contract that in the hiring of employees for performance of work under the contract or any subcontract, neither it nor any subcontractor, or any person acting on its behalf or its subcontractor's behalf, by reason of race, creed, sex, disability as defined in Section 4112.01 of the Ohio Revised Code, or color, shall discriminate against any citizen of the state in the employment of labor or workers who are qualified and available to perform work to which the employment relates. The Bidder further agrees that neither it nor any subcontractor or any person on its behalf or on behalf of any subcontractor, in any manner, shall discriminate against or intimidate any employees hired for the performance of the work under the contract on account of race, creed, sex, disability as defined in Section 4112.01 of the Ohio Revised Code, or color.

b. Ethics Laws. The Bidder represents that it is familiar with all applicable ethics law requirements, including without limitation Sections 102.04 and 3517.13 of the Ohio Revised Code, and certifies that it is in compliance with such requirements.

U. FINDINGS FOR RECOVERY

1. By submitting its bid, each Bidder certifies for reliance of the Owner that it has no unresolved finding for recovery against it issued by the Auditor of the State of Ohio on or after January 1, 2001, except as permitted by Section 9.24 (F) of the Ohio Revised Code.

V. PREVAILING WAGES

1. For "Construction" projects as defined in Section 4115.03 of the Ohio Revised Code, the successful Bidder and all of its subcontractors, regardless of tier, will strictly comply with its obligation to pay a rate of wages on the Project not less than the rate of wages fixed for this Project under Section 4115.04 of the Ohio Revised Code. Additionally, for such "Construction Projects," the successful Bidder will comply with all other provisions of Chapter 4115 of the Ohio Revised Code. Where Federal prevailing wage rates apply the successful Bidder and all of its subcontractors, regardless of tier, will strictly comply with its obligation to pay a rate of wages on the Project not less than the rate of wages fixed for this Project under the applicable Federal law. See **Appendix B**.

W. FEDERAL FUNDING

1. If the Project is subject to terms as a result of federal funding, it will be indicated in the Contract Documents.

X. OHIO PUBLIC WORKS COMMISSION FUNDING

1. For projects funded in whole or in part by the Ohio Public Works Commission, the State *of Ohio Equal Employment Opportunity Requirements and Bid Conditions for OPWC-Assisted Construction Projects* shall apply and Bidders must conform to its requirements, including but not limited to furnishing the required certifications with Bidder's bid. These requirements are included in the bid documents.

APPENDIX A

SUPPLEMENTARY SPECIFICATIONS

TAYLOR ROAD WATER MAIN REPLACEMENT
SUPPLEMENTAL SPECIFICATIONS

PROPOSAL – No extra compensation will be paid to the contractor by reason of compliance with any of the requirements indicated in the specifications, but payment shall be deemed to be included among the several items, as bid upon, unless otherwise specifically provided.

COMPLETION DATE – The work under this contract shall be completed in a manner acceptable to the City on or before the date listed in the Notice to Bidders unless an extension of time is granted in writing by the director of Engineering.

REFERENCE SPECIFICATIONS – The requirements of the City of Gahanna, together with the Construction and Material Specifications, City of Columbus, Ohio (CMSC) including all supplements thereto in force on the date of the contract, shall govern all materials and workmanship involved in the improvements, except such specifications are modified herein.

PRE-CONSTRUCTION MEETING – A pre-construction meeting will be held prior to the commencement of work for this improvement at the Gahanna City Hall, 200 S Hamilton Rd, Gahanna, OH 43230. Representatives from the City of Gahanna, the Engineer's office, the prime contractor and all available subcontractors shall be present. The meeting will be scheduled no sooner than one week after the receipt of the Contractor's proposed project schedule. The schedule will not be considered as submitted unless it clearly indicates all work to be completed within the time allowed by the contract.

RESTORATION AND CLEANUP – It is the intent of the City to keep inconvenience to the property owners to an absolute minimum. All work prescribed and described in these specifications is situated in improved areas. Any street signs or landscaping features removed during construction by the contractor must be restored by the Contractor in a timely manner. The cost for removing and replacing signs, mailboxes, and landscaping features shall be included in the price bid for the various items as set forth in the proposal. All work is to continue on a uniform basis and on schedule, particularly the restoration and cleanup of disturbed areas after construction. Disturbed areas, such as sidewalks and curb ramps must be clearly marked by the contractor until the work can be completed. Restoration of disturbed areas shall include the entire tree law. All disturbed areas shall be restored within 2 weeks after completion of construction. The City will pay only for those items that are completed in their entirety as described in the specifications

POLYVINYL CHLORIDE (PVC) PIPE– Provide pipe manufactured in accordance with the latest version of AWWA C909 PC235. PVC pipe shall be used for pipes 4-inch to 24-inch unless otherwise noted on the drawings. Storage and handling of PVC, tracer wire testing, installation, and fittings shall be in accordance with CMSC 801.07.

An Official State of Ohio site. Here's how you know

Prevailing Wage Project Registration

Public Authority Information

Owner/Public Authority Name	City of Gahanna
Department Division or Agency	Engineering Department
Street Address	200 South Hamilton Road
Address 2	
City, OH	Gahanna, OH
ZIP	43230
Email	angela.roth@gahanna.gov
County of Public Authority	Franklin
P.A. Phone	614-342-4050

Date: 10/23/2025

This form must be filled out completely & correctly for us to process your request. Forms not completed correctly will be returned to the sender.

Project Information

Project Name	Taylor Road Water Main Replacement, ST-1121
Site Address	Taylor Road
City, OH	Gahanna, OH
ZIP	43230
County of Project	Franklin

Prevailing Wage Coordinator Name	Angela Roth
Address	200 South Hamilton Road
City	Gahanna
ZIP	43230
Phone	614-342-4050
Issuing Authority of Bonds	
Estimated Total Overall Project Cost	$2,979,900
Type of Financing	General Fund
Type of Construction	NewConstruction
This Project is	Residential
Expected Date of Contract Award	10/05/2026
Projected Completion Date	09/05/2026
Project Comments	This project is replacement and upsizing of waterline.

PREVAILING WAGE THRESHOLD LEVELS
IMPORTANT NOTICE

Before advertising for bids, contracting, or undertaking construction with its own forces, to construct a public improvement, the Public Authority shall have the Ohio Department of Commerce-Division of Industrial Compliance, Bureau of Wage and Hour Administration determine the prevailing rates of wages for workers employed on the public improvement. The wage determination must be included in the project specifications and printed on the bidding blanks where work is done by contract.

"New" construction threshold for *Building* Construction:	**$250,000**
"Reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting" threshold level for *Building* Construction:	**$75,000**

As of January 1, 2024:

"New" construction that involves *roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction* threshold level has been adjusted to:	**$98,974**
"Reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting" that involves *roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction* threshold level has been adjusted to:	**$29,653**

A) Thresholds are to be adjusted biennially by the Director of the Ohio Department of Commerce.
B) Biennial adjustments to threshold levels are made according to the Building Cost for Skilled Labor Index published by McGraw-Hill's Engineering News-Record, but may not increase or decrease more than 3% for any year.

If there are questions concerning this notification, please contact:

Bureau of Wage and Hour Administration
6606 Tussing Road, PO Box 4009
Reynoldsburg, Ohio 43068-9009
Phone: 614-644-2239
Fax: 614-728-8639
www.com.ohio.gov

BID TABULATION SHEET

Please print and complete this form. Keep it with your records until the contract has been awarded. Once the contract has been officially awarded, select which company was awarded the contract for the project and send a copy to Wage & Hour at webmaster@wagehour.com.state.oh.us

Contracting Public Authority: Public Authority County:		
Project Name:		
Project No.	Bid Date:	Estimate:

Contract Description: ☐ General ☐ HVAC ☐ Electrical ☐ Plumbing ☐ Asbestos ☐ Other _____

Awarded To(check)	List of the Bidding Contractors	Total Bid Amount

Submitted By	
Print Name:	Title:
Telephone No.:	FAX:
Signature:	Date:

INSTRUCTIONS FOR PREPARING CERTIFIED PAYROLL REPORTS

General:

Contractors and subcontractors are required by law to submit certified payroll reports for work on projects covered by Ohio's Prevailing Wage Law. This form meets the reporting requirements established by Ohio Revised Code Chapter 4115. The use of this form is not mandatory; employers may submit their own forms if all of the required information is included. This form may be reproduced, or additional copies obtained from:

Ohio Department of Commerce
Division of Industrial Compliance
Bureau of Wage and Hour Administration
6606 Tussing Road, P.O. Box 4009
Reynoldsburg, Ohio 43068-9009
614-644-2239
www.com.ohio.gov

Certified Payroll Heading:

Employer name and address: Company's full name and address…Indicate if the company is a subcontractor.
Subcontractor: Check and list the name of the General Contractor or Prime.
Project: Name and location of the project, including county.
Contracting Public Authority: Name and address of the contracting public authority… (Owner of the project).
Week Ending: Month, day, and year for last day of reporting period.
Payroll #: Indicates first, second, third, etc. payroll filed by the company for the project.
Page indicator: number of pages included in the report.
Project Number: Determined by the public authority…If there is no number leave blank.

Payroll Information by column:

1. Employee Name, Address and Social Security number: This information must be provided for all employees that perform physical labor on the project. The Social Security number is required; the last four digits may be permitted by the public authority. Corporate officers, partners, and salaried employees are considered employees and must be paid the prevailing rate. Individual sole proprietors do not have to pay themselves prevailing rate but must report their hours on the project.

2. Work Class: List classification of work performed by employee. If unsure of work classification, consult the Ohio Department of Commerce-Division of Industrial Compliance & Labor-Bureau of Wage and Hour Administration. Employees working more than one classification should have separate line entries for each classification. Indicate what year/level for Apprentices. Be specific when using laborer and operator classifications; for example, Backhoe Operator or Asphalt Laborer or by "Group".

3. Hours Worked, Day & Date: In the first row of column 3, enter days of the company's pay period for example; M T W TH F S S. The second row is for the date that corresponds with each day for the pay period. In the employee information section, enter the number of hours worked on the prevailing wage project and which day the hours were worked. Separate rows are labeled for (ST) straight time hours and (OT) overtime hours. All hours worked after 40, must be paid at the appropriate overtime rate.

4. Project Total Hours: Total the hours entered for pay period.

5. Base Rate: Enter actual rate per hour paid to the employee. The overtime hourly rate is time and one-half the base rate listed in the prevailing wage schedule plus fringe benefits at straight time rate. The prevailing wage schedule lists the base rate plus fringe benefit amounts. These amounts added together equal the total prevailing wage rate. Employers must pay this total amount in one of three ways.

1) Total rate may be paid in entirety in the base rate to the employee; in which case, the cash designation will be checked for fringe benefits.
2) Total rate may be paid as listed in prevailing wage rate schedule with total fringe amounts paid approved plans.
3) Total rate may be paid with a combination of base rate and fringe payments to approved plans in amounts other than those listed in schedule.

6. Project Gross: Enter total gross wages earned on the project for straight time and overtime. Project hours "X" base rate should equal project gross.

7. Fringes: If fringe benefits are paid in the hourly base rate, indicate this by marking the **Cash** space. If fringe benefits are paid to approved plans as listed in the prevailing wage rate schedule, mark the space **Approved Plans**. If fringe benefits are paid partially in the base rate and partially to approved plans, mark the space **Cash & Approved Plans**. List the hourly amount paid to approved plans for each fringe. If payments are not made on a per hour basis, ***calculate the hourly fringe credit by dividing the yearly employer contribution by*** the lesser of: hours actually worked in the year (these must be documented) or ***2080***. Fringe benefits include**: Employer's share** of health insurance, life insurance, retirement plan, bonus/profit sharing, sick pay, holiday pay, personal leave, vacation, and education/training programs. If unsure of a possible fringe benefit, contact the Ohio Department of Commerce-Division of Industrial Compliance & Labor-Bureau of Wage and Hour Administration.

8. Total Hours All Jobs: Total all hours worked during the pay period including non-prevailing wage jobs.

9. Total Gross All Jobs: Gross amount earned in the pay period for all hours worked.

10. Self-explanatory.

11. Self-explanatory.

Certified Payroll Report

Report for: ☐ Check if Subcontractor[1)] Contract No: Payroll No:

Company:[1)] If Sub, GC/Prime Contractor Name:

Address: Project Name & Location: Week Ending:

City, State, Zip Public Authority (Owner):

Phone No: Sheet:[2)] of

1. Employee Name, Address, & SS# (Last 4 digits if permitted)	2.Work Class[3)]	3.Prevailing Wage Project Hours Worked - Day & Date								4.Total Hours	5.Base Rate	6.Project Gross	Fringes: ☐ Cash ☐ Approved Plans ☐ Cash & Approved Plans						Weekly Payroll Amount			
													Fringe Rate Your Company Pays Per Hour						8.Total Hrs for all Jobs	9. Total Gross on All Jobs	10. Total Deductions	11. Net Pay on All Jobs
													H&W	Pens	Vac	Hol	Other	Total				
		OT																				
		ST																				
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1) By signing below, I certify that: (1) I pay, or supervise the payment of the employees shown above; (2) during the pay period reported on this form, all hours worked on this project have been paid at the appropriate prevailing wage rate for the class of work done; (3) the fringe benefits have been paid as indicated above; (4) no rebates or deductions have been or will be made, directly or indirectly from the total wages earned, other than permissable deductions as defined in ORC Chapter 4115; and (5) apprentices are registered with the U.S. Dept. of Labor, Bureau of Apprenticeship and Training. I understand that the willful falsification of any of the above statements may subject the Contractor or Subcontractor to civil or criminal prosecution.

Type or Print Name and Title Signature Date

11/14 jc

[2)]Attach additional sheets as necessary. [3)]Type in continuous line, text will wrap.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Asbestos Local 207

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Asbestos Worker	8/6/2025	8/6/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Asbestos Abatement	$32.50		$10.95	$7.25	$0.75	$3.75	$0.00	$0.05	$0.00	$0.00	$55.25	$71.50
Apprentice	BHR	Percent										
Trainee	$22.00	$67.69	$10.95	$1.90	$0.75	$1.00	$0.00	$0.05	$0.00	$0.00	$36.65	$47.65

(*)Special Calculation Note :

Other: Drug Testing

Ratio :

3 Journeymen to 1 Trainee

Jurisdiction (* denotes special jurisdictional note) :

Adams, Ashland, Ashtabula*, Athens, Auglaize, Brown, Butler*, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Cuyahoga, Darke, Delaware, Erie*, Fairfield, Fayette, Franklin, Geauga, Greene, Guernsey, Hamilton, Hardin, Harrison, Highland, Hocking, Holmes, Huron, Knox, Lake, Licking, Logan, Lorain, Madison, Mahoning, Marion, Medina, Miami, Montgomery, Morgan, Morrow, Muskingum, Noble, Perry, Pickaway, Portage, Preble, Richland, Ross, Shelby, Stark, Summit, Trumbull, Tuscarawas, Union, Vinton, Warren*, Wayne

Special Jurisdictional Note :

Ashtabula County: (post offices & townships of Ashtabula, Austinburg, Geneva, Harperfield, Jefferson, Plymouth & Saybrook) (townships of Andover, Cherry Valley, Colbrook, Canneaut, Denmark, Dorset, East Orwell, Hartsgrove, Kingville, Lenox, Monroe,Morgan,New Lyme,North Kingsville, Orwell, Pierpoint, Richmond Rock Creek, Rome, Shefield, Trumbull, Wayne, Williamsfield & Windsor)

Butler County: (townships of Fairfield, Hanover, Liberty, Milford, Morgan, Oxford, Ripley, Ross, St. Clair, Union & Wayne) (Lemon & Madison)

Erie County: (post offices & townships of Berlin, Berlin Heights,Birmingham,Florence, Huron, Milan, Shinrock & Vermilion)

Warren County: (townships of: Deerfield, Hamilton, Harlan, Salem, Union & Washington) (Clear Creek, Franklin, Mossie, Turtle Creek & Wayne)

Details :

An Abatement Journeyman is anyone who has more than 600 hours in the Asbestos Abatement field.

Asbestos & lead paint abatement including, but not limited to the removal or encapsulation of asbestos & lead paint, all work in conjunction with the preparation of the removal of same & all work in conjunction with the clean up after said removal. The removal of all insulation materials, whether they contain asbestos or not, from mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) is recognized as being the exclusive work of the Asbestos Abatement Workers.

On all mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) that are going to be demolished, the removal of all insulating materials whether they contain asbestos or not shall be the exclusive work of the Laborers.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Asbestos Local 50 Heat & Frost Insulators

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN02-2025ib	Asbestos Worker	7/30/2025	7/30/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Asbestos Insulation Mechanic	$40.56		$9.55	$9.60	$0.55	$0.00	$4.75	$0.00	$0.00	$0.00	$65.01	$85.29
Firestop Technician	$40.56		$9.55	$9.60	$0.55	$0.00	$4.75	$0.00	$0.00	$0.00	$65.01	$85.29
Apprentice	BHR	Percent										
1st year	$25.81	$63.63	$9.55	$4.52	$0.50	$0.00	$0.50	$0.00	$0.00	$0.00	$40.88	$53.78
2nd year	$30.11	$74.23	$9.55	$4.52	$0.50	$0.00	$0.85	$0.00	$0.00	$0.00	$45.53	$60.59
3rd year	$34.41	$84.83	$9.55	$6.76	$0.50	$0.00	$1.25	$0.00	$0.00	$0.00	$52.47	$69.67
4th year	$36.56	$90.13	$9.55	$6.76	$0.50	$0.00	$1.50	$0.00	$0.00	$0.00	$54.87	$73.15

(*)Special Calculation Note :

Ratio :

1 Journeymen to 1 Apprentice
4 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

Athens, Auglaize, Butler*, Champaign, Clark, Clinton, Crawford, Darke, Delaware, Fairfield, Fayette, Franklin, Greene, Guernsey, Hardin, Hocking, Knox, Licking, Logan, Madison, Marion, Miami, Montgomery, Morgan, Morrow, Muskingum, Noble, Perry, Pickaway, Preble, Ross, Shelby, Union, Vinton, Warren*

Special Jurisdictional Note :

Butler County: Townships of Lemon and Madison.
Warren County: Township of Clear Creek, Franklin, Massie, Turtle Creek and Wayne

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Boilermaker Local 105

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN02-2013fb	Boilermaker	10/1/2013	10/1/2013

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Boilermaker	$35.26		$7.07	$13.28	$0.89	$0.00	$3.00	$0.55	$0.00	$0.00	$60.05	$77.68
Apprentice	BHR	Percent										
1st 6 months	$24.69	$70.03	$7.07	$11.30	$0.89	$0.00	$2.10	$0.55	$0.00	$0.00	$46.60	$58.95
2nd 6 months	$26.45	$75.02	$7.07	$11.30	$0.89	$0.00	$2.25	$0.55	$0.00	$0.00	$48.51	$61.74
3rd 6 months	$28.21	$80.00	$7.07	$11.30	$0.89	$0.00	$2.40	$0.55	$0.00	$0.00	$50.42	$64.52
4th 6 months	$29.98	$85.02	$7.07	$11.30	$0.89	$0.00	$2.55	$0.55	$0.00	$0.00	$52.34	$67.33
5th 6 months	$30.86	$87.52	$7.07	$13.28	$0.89	$0.00	$2.63	$0.55	$0.00	$0.00	$55.28	$70.71
6th 6 months	$31.74	$90.03	$7.07	$13.28	$0.89	$0.00	$2.70	$0.55	$0.00	$0.00	$56.23	$72.11
7th 6 months	$32.62	$92.50	$7.07	$13.28	$0.89	$0.00	$2.78	$0.55	$0.00	$0.00	$57.19	$73.49
8th 6 months	$33.50	$95.00	$7.07	$13.28	$0.89	$0.00	$2.85	$0.55	$0.00	$0.00	$58.14	$74.89

(*)Special Calculation Note :

Other is Supplemental Health and Welfare

Ratio :

5 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Adams, Athens, Brown, Butler, Champaign, Clark, Clermont, Clinton, Fairfield, Fayette, Franklin, Gallia, Greene, Guernsey, Hamilton, Highland, Hocking, Jackson, Lawrence, Licking, Madison, Meigs, Miami, Montgomery, Morgan, Muskingum, Noble, Perry, Pickaway, Pike, Preble, Ross, Scioto, Vinton, Warren

Special Jurisdictional Note :

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Bricklayer Local 23 (Columbus Tile Finisher)

Type of Rate: Commercial

Change #: LCN01-2025ib

Craft: Bricklayer

Effective Date: 6/1/2025

Effective Date: 6/1/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Tile Marble Finisher	$31.75		$8.72	$3.24	$0.55	$0.00	$0.50	$0.00	$0.00	$0.00	$44.76	$60.64
Terrazzo Finisher	$32.00		$8.72	$3.24	$0.55	$0.00	$0.50	$0.00	$0.00	$0.00	$45.01	$61.01
Floor Grinder	$32.25		$8.72	$3.24	$0.55	$0.00	$0.50	$0.00	$0.00	$0.00	$45.26	$61.39
Base Grinder	$32.50		$8.72	$3.24	$0.55	$0.00	$0.50	$0.00	$0.00	$0.00	$45.51	$61.76
Apprentice	BHR	Percent										
1st Year	$22.23	$70.00	$8.72	$3.24	$0.55	$0.00	$0.50	$0.00	$0.00	$0.00	$35.24	$46.35
2nd Year	$25.40	$80.00	$8.72	$3.24	$0.55	$0.00	$0.50	$0.00	$0.00	$0.00	$38.41	$51.11
3rd Year	$28.58	$90.00	$8.72	$3.24	$0.55	$0.00	$0.50	$0.00	$0.00	$0.00	$41.59	$55.87
Apprentice Improver	$15.88	$50.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$15.88	$23.81

(*)Special Calculation Note :

Ratio :

1-2 Journeymen to 1 Apprentice 3-5Journeymen to 2 Apprentice Crews larger than 5: 4 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Athens, Coshocton, Delaware, Fairfield, Fayette, Franklin, Guernsey, Hocking, Jackson, Knox, Licking, Madison, Meigs, Morgan, Muskingum, Noble, Perry, Pickaway, Pike, Ross, Union, Vinton, Washington

Special Jurisdictional Note :

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Bricklayer Local 23 (Columbus Tile Setter)

Type of Rate: Commercial

Change #: LCN01-2025ib

Craft: Bricklayer

Effective Date: 6/1/2025

Effective Date: 6/1/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Tile Setter	$33.89		$9.47	$7.40	$0.68	$0.00	$1.25	$0.00	$0.00	$0.00	$52.69	$69.64
Marble Mason	$33.89		$9.47	$7.40	$0.68	$0.00	$1.25	$0.00	$0.00	$0.00	$52.69	$69.64
Terrazzo Worker	$34.14		$9.47	$7.40	$0.68	$0.00	$1.25	$0.00	$0.00	$0.00	$52.94	$70.01
Terrazzo Worker, Installation	$34.14		$9.47	$7.40	$0.68	$0.00	$1.25	$0.00	$0.00	$0.00	$52.94	$70.01
Apprentice	BHR	Percent										
1st Year	$23.72	$70.00	$9.47	$7.40	$0.68	$0.00	$1.25	$0.00	$0.00	$0.00	$42.52	$54.38
2nd Year	$27.11	$80.00	$9.47	$7.40	$0.68	$0.00	$1.25	$0.00	$0.00	$0.00	$45.91	$59.47
3rd Year	$30.50	$90.00	$9.47	$7.40	$0.68	$0.00	$1.25	$0.00	$0.00	$0.00	$49.30	$64.55
4th Year	$32.20	$95.00	$9.47	$7.40	$0.68	$0.00	$1.25	$0.00	$0.00	$0.00	$51.00	$67.09

(*)Special Calculation Note :

Ratio :

1 - 3 Journeyman to 1 Apprentice 4 - 8 Journeyman to 2 Apprentice 9 - 13 Journeyman to 3 Apprentice 14 - 18 Journeyman to 4 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Athens, Coshocton, Delaware, Fairfield, Fayette, Franklin, Guernsey, Hocking, Jackson, Knox, Licking, Madison, Meigs, Morgan, Muskingum, Noble, Perry, Pickaway, Pike, Ross, Union, Vinton, Washington

Special Jurisdictional Note :

Noble County: (Townships of Beaver, Buffalo, Seneca & Wayne)

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Bricklayer Local 23 (Columbus)

Type of Rate: Commercial

Change #: LCN01-2025ib

Craft: Bricklayer

Effective Date: 6/1/2025

Effective Date: 6/1/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer	$37.35		$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$58.86	$77.54
Lay Out Man	$37.85		$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$59.36	$78.29
Saw Man	$37.85		$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$59.36	$78.29
Stone & Cement Mason	$37.35		$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$58.86	$77.54
Pointer Caulker Cleaner Block Stone	$37.35		$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$58.86	$77.54
Plaster	$37.35		$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$58.86	$77.54
Swing Stage (Ground Floors thru 23 Floors)	$38.35		$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$59.86	$79.04
Swing Stage (24th Floors and Above	$39.35		$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$60.86	$80.54
Apprentice	BHR	Percent										
1st Year	$26.15	$70.00	$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$47.66	$60.73
2nd Year	$29.88	$80.00	$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$51.39	$66.33
3rd Year	$33.62	$90.00	$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$55.13	$71.93
4th Year	$35.48	$95.00	$10.48	$9.04	$0.74	$0.00	$1.25	$0.00	$0.00	$0.00	$56.99	$74.73
MASON TRAINEES	$	$	$	$	$	$	$	$	$	$	$	$
1-90 Days	$18.68	$50.02	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$18.68	$28.02
90-365 Days	$18.68	$50.02	$10.48	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$29.16	$38.50
2nd Year	$20.54	$55.00	$10.48	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$31.02	$41.29

(*)Special Calculation Note :

No special calculations for this skilled craft wage rate are required at this time.

Ratio :

REQUIRED RATIO 1-2 Journeyman to 1 Apprentice 3- 6 Journeyman to 2 Apprentice 7-10 Journeyman to 3 Apprentice 1-15 Journeyman to 4 Apprentice MASON TRAINEE REQUIRED RATIO 1 Apprentice permits 1 Mason Trainee 2 Apprentice permits 1 Mason Trainee 3 Apprentice permits 2 Mason Trainee 4 Apprentice permits 2 Mason Trainee

Jurisdiction (* denotes special jurisdictional note) :

Delaware, Franklin, Madison, Pickaway, Union

Special Jurisdictional Note :

Details :

MASON TRAINEE: duties shall be to work in all aspects of Masonry construction taking direction from the employer and the Journeyman Bricklayer & Stone Mason's working on the job. MASON TRAINEE may work on job site only when a registered apprentice is on job and the ratios in above table will be strictly enforced. Above Journeyman Rate: Brick Power Saw Pay $.50 Designated layout person $.50 Swingstage Work $1.00 at start,and additional $2.00 at 24th floor

Prevailing Wage Rate
Skilled Crafts

Name of Union: Bricklayer Local 23 Heavy Hwy (A)

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2024ib	Bricklayer	6/5/2024	6/5/2024

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason Bricklayer Sewer Water Works A	$33.39		$10.00	$9.53	$0.53	$0.00	$0.00	$0.00	$0.00	$0.00	$53.45	$70.15
Apprentice	BHR	Percent										
1st year	$23.37	$70.00	$10.00	$9.53	$0.53	$0.00	$0.00	$0.00	$0.00	$0.00	$43.43	$55.12
2nd year	$26.71	$80.00	$10.00	$9.53	$0.53	$0.00	$0.00	$0.00	$0.00	$0.00	$46.77	$60.13
3rd year	$30.05	$90.00	$10.00	$9.53	$0.53	$0.00	$0.00	$0.00	$0.00	$0.00	$50.11	$65.14

(*)Special Calculation Note :

NOT FOR BUILDING CONSTRUCTION.

Ratio :

3 Journeymen to 1 Apprentice 6 Journeymen to 2 Apprentice 9 Journeymen to 3 Apprentice 12 Journeymen to 4 Apprentice 15 Journeymen to 5 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

(A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work. (B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control,Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Bricklayer Local 23 Heavy Hwy (B)

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2024ib	Bricklayer	6/5/2024	6/5/2024

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason Bricklayer Power Plants Tunnels Amusement Parks B	$34.39		$10.00	$9.52	$0.54	$0.00	$0.00	$0.00	$0.00	$0.00	$54.45	$71.65
Apprentice	BHR	Percent										
1st year	$24.07	$70.00	$10.00	$9.52	$0.54	$0.00	$0.00	$0.00	$0.00	$0.00	$44.13	$56.17
2nd year	$27.51	$80.00	$10.00	$9.52	$0.54	$0.00	$0.00	$0.00	$0.00	$0.00	$47.57	$61.33
3rd year	$30.95	$90.00	$10.00	$9.52	$0.54	$0.00	$0.00	$0.00	$0.00	$0.00	$51.01	$66.49

(*)Special Calculation Note :

NOT FOR BUILDING CONSTRUCTION.

Ratio :

3 Journeymen to 1 Apprentice 6 Journeymen to 2 Apprentice 9 Journeymen to 2 Apprentice 12 Journeymen to 4 Apprentice 15 Journeymen to 5 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

(A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work. (B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control,Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Carpenter & Pile Driver Local 200

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Carpenter	5/7/2025	5/7/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter	$35.94		$8.85	$10.78	$0.70	$0.00	$3.26	$0.16	$0.00	$0.00	$59.69	$77.66
Pile Driver	$35.69		$8.85	$10.78	$0.70	$0.00	$3.26	$0.16	$0.00	$0.00	$59.44	$77.29
Apprentice	BHR	Percent										
1st 6 months	$25.16	$70.00	$8.85	$2.00	$0.70	$0.00	$3.26	$0.16	$0.00	$0.00	$40.13	$52.71
2nd 6 months	$25.16	$70.00	$8.85	$2.00	$0.70	$0.00	$3.26	$0.16	$0.00	$0.00	$40.13	$52.71
3rd 6 months	$28.75	$80.00	$8.85	$8.62	$0.70	$0.00	$3.26	$0.16	$0.00	$0.00	$50.34	$64.72
4th 6 months	$28.75	$80.00	$8.85	$8.62	$0.70	$0.00	$3.26	$0.16	$0.00	$0.00	$50.34	$64.72
5th 6 months	$32.35	$90.00	$8.85	$9.70	$0.70	$0.00	$3.26	$0.16	$0.00	$0.00	$55.02	$71.19
6th 6 months	$32.35	$90.00	$8.85	$9.70	$0.70	$0.00	$3.26	$0.16	$0.00	$0.00	$55.02	$71.19
7th 6 months	$34.14	$95.00	$8.85	$10.24	$0.70	$0.00	$3.26	$0.16	$0.00	$0.00	$57.35	$74.42
8th 6 months	$34.14	$95.00	$8.85	$10.24	$0.70	$0.00	$3.26	$0.16	$0.00	$0.00	$57.35	$74.42

(*)Special Calculation Note :

Other is UBC National Fund.

Ratio :

1 Journeyman to 1 Apprentice Thereafter 2 Journeyman to 1 Apprentice The first carpenter on the job shall be a journeyman. The second carpenter employed may be an apprentice carpenter. After one (1) journeyman and one (1) apprentice are employed, each employer shall employ a ratio of one (1) apprentice, when avilable, to two (2) journeyman.

Jurisdiction (* denotes special jurisdictional note) :

Delaware, Fairfield, Franklin, Guernsey, Licking, Madison, Marion, Muskingum, Morgan, Noble, Perry, Pickaway, Union

Special Jurisdictional Note :

Details :

CARPENTERS duties shall include but not limited to the milling, fashioning, joining, assembling, erecting, fastening, or dismantling of scaffolding and of material of wood, plastic, metal, fiber, cork and composition, and all other substitute materials. The handling, cleaning, erecting, installing and dismantling of machinery, equipment and all materials used by carpenters. The building and setting of all concrete forms and decking, and dismantling the same; the setting of templates for anchor bolts for structural members and for machinery, and the placing, leveling and bracing of these bolts; the making of all forms for bulkheads, figures, post, balusters and ornaments. The erection and installation of cooling towers assembled onsite. The building of all barricades and handling of rough lumber and drywall. The installation of all required blocking and all toilet accessories, including but not limited to grab bars, napkin dispensers and receptacles, mirrors and soap dispensers. The installation of metal studs and the welding of studs and other fastenings to receive material being applied by carpenters. The installation of all material used in drywall construction such as plasterboard, transite and other composition boards. The installation of carpet, artificial turf, wood and Resilient floors shall consist of and include the laying of all special designs of wood, wood block, wood composition, cork, linoleum, asphalt, mastic, plastic and rubber tile, whether nailed or laid in, or with linoleum paste or glue compositions. The installation of garage and overhead doors. The installation of fixtures, cabinets, shelving, racks, louvers, etc. The assembling and setting of all seats in theaters, halls, churches, schools, auditoriums, grandstands and other buildings. Our claim of jurisdiction, therefore, extends over the following subdivisions of the trade. Carpenters and Joiners; Bridge, Dock and Wharf Carpenters, Divers, Underpinners, Timbermen and Core Drillers; Shipwrights, Boat Builders, Ship Carpenters, Joiners and Caulkers, Cabinet Makers, Bench Hands, Stair Builders; Millmen; Wood and Resilient Floor Layers and Finishers; Carpet Layers; Shinglers; Siders; Insulators; Acoustic and Drywall Applicators; Shorers and House Movers; Loggers; Lumber and Sawmill Workers; Furniture Workers; Reed and Rattan Workers; Shingle Weavers; Casket and Coffin Makers; Box Makers; Railroad Carpenters; and Car Builders, regardless of material used; and all those engaged in the operation of woodworking or other machinery required in the fashioning, milling or manufacturing of products used in the trade, or engaged as helpers to any of the above divisions or subdivisions, and the handling, erecting and installing of material on any of the above divisions or subdivisions; burning welding, rigging and the use of any instrument or tool for layout work incidental to the trade. When the term “Carpenter” and “Joiner” is used, it shall mean all the subdivisions of the trade. PILEDRIVER: Where piling is used in the construction and repair of all wharves, docks, piers, trestles, caissons, cofferdams, the erection of all sea walls and breakwaters. The placing of all walling, bumper guards of wood or metal. The framing, boring, drilling or burning of all holes in the same, all tie and hog rods in connection with Piledrivers work. The driving, bracing, plumbing, cutting-off and capping of all piling whether wood, steel sheeting, metal pipe piling, composite or concrete. The heading and splicing of wood piling and the making of woodsheet piling, The welding, cutting or burning of any metal and wood piling and shoring and underpinning in connection with Piledriver work. The loading and unloading of all piling and other material used in connection with Piledrivers work. The loading, unloading, erecting, framing, dismantling, moving and handling of all drivers, derrick, cranes and other piledriving equipment used in the work. Drilling in piling or drilled in caissons where a steel liner is used. All machinery used for handling spuds or anchors on floating equipment used in our work shall be operated by our members. Where swing lines or derricks are used, members shall be used as watchmen. All underwater and marine work on all bulkheads, wharves, docks, shipyards, caissons, piers, bridges, pipeline work, viaducts, marine cable and trestles, as well as salvage and reclamation work where divers are employed. All clamming work that is done by floating derricks.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Carpenter & Piledriver SC District HevHwy

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCR01-2025ib	Carpenter	7/9/2025	7/9/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Journeyman	$35.69		$8.85	$10.78	$0.70	$0.00	$2.91	$0.16	$0.00	$0.00	$59.09	$76.94
Apprentice	BHR	Percent										
1st 6 months	$24.98	$70.00	$8.85	$10.78	$0.70	$0.00	$2.91	$0.16	$0.00	$0.00	$48.38	$60.87
2nd 6 months	$24.98	$70.00	$8.85	$10.78	$0.70	$0.00	$2.91	$0.16	$0.00	$0.00	$48.38	$60.87
3rd 6 months	$28.55	$80.00	$8.85	$10.78	$0.70	$0.00	$2.91	$0.16	$0.00	$0.00	$51.95	$66.23
4th 6 months	$28.55	$80.00	$8.85	$10.78	$0.70	$0.00	$2.91	$0.16	$0.00	$0.00	$51.95	$66.23
5th 6 months	$32.12	$90.00	$8.85	$10.78	$0.70	$0.00	$2.91	$0.16	$0.00	$0.00	$55.52	$71.58
6th 6 months	$32.12	$90.00	$8.85	$10.78	$0.70	$0.00	$2.91	$0.16	$0.00	$0.00	$55.52	$71.58
7th 6 months	$33.91	$95.00	$8.85	$10.78	$0.70	$0.00	$2.91	$0.16	$0.00	$0.00	$57.31	$74.26
8th 6 months	$33.91	$95.00	$8.85	$10.78	$0.70	$0.00	$2.91	$0.16	$0.00	$0.00	$57.31	$74.26

(*)Special Calculation Note :

Other: UBC National Fund

When the contractor furnishes the necessary underwater gear for the diver, the diver shall be paid one and one half (1 & 1/2) times the journeyman rate for the time spent in the water.

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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, Washington

Special Jurisdictional Note :

Details :

**Highway Construction, Airport Construction, Heavy Construction but not limited to: Tunnels, subways, drainage projects, flood control, reservoirs

Railroad Construction, Sewer Waterworks & Utility Construction but not limited to: storm sewers, waterlines, gas lines

Industrial & Building site, Power Plant, Amusement Park, Athletic stadium site, Sewer and Water Plants.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Carpenter Millwright Local 1090 Columbus

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Carpenter	5/13/2025	5/13/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter Millwright	$35.59		$8.85	$10.99	$0.70	$0.00	$7.20	$0.16	$0.00	$0.00	$63.49	$81.29
Apprentice	BHR	Percent										
1st 6 months	$24.91	$70.00	$8.85	$10.99	$0.70	$0.00	$7.20	$0.16	$0.00	$0.00	$52.81	$65.27
2nd 6 months	$24.91	$70.00	$8.85	$10.99	$0.70	$0.00	$7.20	$0.16	$0.00	$0.00	$52.81	$65.27
3rd 6 months	$28.47	$80.00	$8.85	$10.99	$0.70	$0.00	$7.20	$0.16	$0.00	$0.00	$56.37	$70.61
4th 6 months	$28.47	$80.00	$8.85	$10.99	$0.70	$0.00	$7.20	$0.16	$0.00	$0.00	$56.37	$70.61
5th 6 months	$32.03	$90.00	$8.85	$10.99	$0.70	$0.00	$7.20	$0.16	$0.00	$0.00	$59.93	$75.95
6th 6 months	$32.03	$90.00	$8.85	$10.99	$0.70	$0.00	$7.20	$0.16	$0.00	$0.00	$59.93	$75.95
7th 6 months	$33.81	$95.00	$8.85	$10.99	$0.70	$0.00	$7.20	$0.16	$0.00	$0.00	$61.71	$78.62
8th 6 months	$33.81	$95.00	$8.85	$10.99	$0.70	$0.00	$7.20	$0.16	$0.00	$0.00	$61.71	$78.62

(*)Special Calculation Note :

Other is for UBC National Fund.

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Delaware, Fairfield, Franklin, Guernsey, Licking, Madison, Marion, Morgan, Muskingum, Noble, Perry, Pickaway, Union

Special Jurisdictional Note :

Details :

The term “Millwright and Machine Erectors”’ jurisdiction shall mean the unloading, hoisting, rigging, skidding, moving, dismantling, aligning, erecting, assembling, repairing, maintenance and adjusting of all structures, processing areas either under cover, underground or elsewhere, required to process material, handle, manufacture or service, be it powered or receiving power manually, by steam, gas, electricity, gasoline, diesel, nuclear, solar, water, air or chemically, and in industries such as and including, which are identified for the purpose of description, but not limited to, the following: woodworking plants; canning industries; steel mills; coffee roasting plants; paper and pulp; cellophane; stone crushing; gravel and sand washing and handling; refineries; grain storage and handling; asphalt plants; sewage disposal; water plants; laundries; bakeries; mixing plants; can, bottle and bag packing plants; textile mills; paint mills; breweries; milk processing plants; power plants; aluminum processing or manufacturing plants; and amusement and entertainment fields. The installation of mechanical equipment in atomic energy plants; installation of reactors in power plants; installation of control rods and equipment in reactors; and installation of mechanical equipment in rocket missile bases, launchers, launching gantry, floating bases, hydraulic escape doors and any and all component parts thereto, either assembled, semi-assembled or disassembled. The installation of, but not limited to, the following: setting-up of all engines, motors, generators, air compressors, fans, pumps, scales, hoppers, conveyors of all types, sizes and their supports; escalators; man lifts; moving sidewalks; hosts; dumb waiters; all types of feeding machinery; amusement devices; mechanical pin setters and spotters in bowling alleys; refrigeration equipment; and the installation of all types of equipment necessary and required to process material either in the manufacturing or servicing. The handling and installation of pulleys, gears, sheaves, fly wheels, air and vacuum drives, worm drives and gear drivers directly or indirectly coupled to motors, belts, chains, screws, legs, boots, guards, booth tanks, all bin valves, turn heads and indicators, shafting, bearings, cable sprockets cutting all key seats in new and old work, troughs, chippers, filters, calendars, rolls, winders, rewinders, slitters, cutters, wrapping machines, blowers, forging machines, rams, hydraulic or otherwise, planning, extruder, ball, dust collectors, equipment in meat packing plants, splicing or ropes and cables. The laying-out, fabrication and installation of protection equipment including machinery guards, making and setting of templates for machinery, fabrication of bolts, nuts, pans, dripping of holes for any equipment which the Millwrights install regardless of materials; all welding and burning regardless of type, fabrication of all lines, hose or tubing used in lubricating machinery installed by Millwrights; grinding, cleaning, servicing and any machine work necessary for any part of any equipment installed by the Millwrights; and the break-in and trail run of any equipment or machinery installed by the Millwrights. It is agreed the Millwrights shall use the layout tools and optic equipment necessary to perform their work.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Cement Mason Local 132 (Columbus)

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Cement Mason	6/4/2025	6/4/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason	$35.12		$8.90	$4.65	$0.75	$0.00	$3.10	$0.06	$0.00	$0.00	$52.58	$70.14
Apprentice	BHR	Percent										
1st Year	$24.58	$70.00	$8.90	$4.65	$0.75	$0.00	$3.10	$0.06	$0.00	$0.00	$42.04	$54.34
2nd Year	$28.10	$80.00	$8.90	$4.65	$0.75	$0.00	$3.10	$0.06	$0.00	$0.00	$45.56	$59.60
3rd Year	$31.61	$90.00	$8.90	$4.65	$0.75	$0.00	$3.10	$0.06	$0.00	$0.00	$49.07	$64.87

(*)Special Calculation Note :

Other: International Training Fund

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Ashland, Coshocton, Crawford, Delaware, Fairfield, Fayette, Franklin, Guernsey, Hocking, Knox, Licking, Madison, Marion, Morrow, Muskingum, Perry, Pickaway, Richland, Ross, Union, Vinton, Wyandot

Special Jurisdictional Note :

Details :

Working on swing stage, slip scaffold, window jack scaffold, scissor lifts, and aerial lifts shall receive the following rates: $.50 above the regular rate for heights up to fifty (50) feet above grade level $1.00 above the regular rate for heights over fifty (50) feet above grade level

Prevailing Wage Rate
Skilled Crafts

Name of Union: Cement Mason Local 132 Hev Hwy (Columbus)

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Cement Mason	5/1/2025	5/1/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason	$37.29		$9.00	$7.65	$0.75	$0.00	$2.40	$0.07	$0.00	$0.00	$57.16	$75.81
Apprentice	BHR	Percent										
1st Year	$26.10	$70.00	$9.00	$7.65	$0.75	$0.00	$2.40	$0.07	$0.00	$0.00	$45.97	$59.02
2nd Year	$29.83	$80.00	$9.00	$7.65	$0.75	$0.00	$2.40	$0.07	$0.00	$0.00	$49.70	$64.62
3rd Year	$33.56	$90.00	$9.00	$7.65	$0.75	$0.00	$2.40	$0.07	$0.00	$0.00	$53.43	$70.21

(*)Special Calculation Note :

Other: International Training Fund

Ratio :

1 Journeyman to 1 Apprentice 2 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

Ashland, Athens, Coshocton, Crawford, Delaware, Fairfield, Fayette, Franklin, Guernsey, Hocking, Knox, Licking, Madison, Marion, Meigs, Monroe, Morgan, Morrow, Muskingum, Noble, Perry, Pickaway, Richland, Ross, Union, Vinton, Washington, Wyandot

Special Jurisdictional Note :

Details :

Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site, Heavy Construction, Airport Construction Or Railroad Construction Work, Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work, Pollution Control, Sewer Plant, Waste & Water Plant, Water Treatment Facilities Construction.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Electrical Local 683 Inside

Type of Rate: Commercial

Change #: LCN02-2025ib

Craft: Electrical

Effective Date: 8/13/2025

Effective Date: 8/13/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrician	$43.00		$12.15	$8.81	$1.16	$0.00	$4.25	$0.00	$0.00	$0.00	$69.37	$90.87
Welding	$44.00		$12.15	$8.84	$1.16	$0.00	$4.25	$0.00	$0.00	$0.00	$70.40	$92.40
Medium Voltage Splicing	$44.00		$12.15	$8.84	$1.16	$0.00	$4.25	$0.00	$0.00	$0.00	$70.40	$92.40
Over 100 feet	$64.50		$12.15	$9.46	$1.16	$0.00	$4.25	$0.00	$0.00	$0.00	$91.52	$123.7
Level 1 CW 0 to 2000 hours	$15.29		$6.83	$0.46	$0.92	$0.00	$0.46	$0.10	$0.00	$0.00	$24.06	$31.71
Level 2 CW 2001 to 4000 hours	$16.25		$6.83	$0.49	$0.92	$0.00	$0.49	$0.10	$0.00	$0.00	$25.08	$33.21
Level 3 CW 4001 to 6000 hours	$17.20		$6.83	$0.52	$0.92	$0.00	$0.52	$0.10	$0.00	$0.00	$26.09	$34.69
Level 4 CW 6001 to 8000 hours	$19.12		$6.83	$0.57	$0.92	$0.00	$0.57	$0.10	$0.00	$0.00	$28.11	$37.67
Level 1 CE 8001 to 10000 hours	$21.03		$6.83	$0.63	$0.92	$0.00	$0.63	$0.10	$0.00	$0.00	$30.14	$40.66
Level 2 CE 10,001 to 12,000 hours	$22.94		$6.83	$0.69	$0.92	$0.00	$0.69	$0.10	$0.00	$0.00	$32.17	$43.64
Level 3 CE 12,001 to14,000 hours	$28.67		$6.83	$0.86	$0.92	$0.00	$0.86	$0.10	$0.00	$0.00	$38.24	$52.58
Apprentice	BHR	Percent										
0-1000 hrs 1st Period	$21.50	$50.00	$12.15	$4.41	$1.16	$0.00	$0.00	$0.00	$0.00	$0.00	$39.22	$49.97
1001-2000 hrs 2nd Period	$23.65	$55.00	$12.15	$4.85	$1.16	$0.00	$0.00	$0.00	$0.00	$0.00	$41.81	$53.63
2001-3500 hrs 3rd Period	$25.80	$60.00	$12.15	$5.28	$1.16	$0.00	$2.55	$0.00	$0.00	$0.00	$46.94	$59.84
3501-5000 hrs 4th Period	$27.95	$65.00	$12.15	$5.73	$1.16	$0.00	$2.76	$0.00	$0.00	$0.00	$49.75	$63.73
5001-6500 hrs 5th Period	$30.10	$70.00	$12.15	$6.16	$1.16	$0.00	$2.98	$0.00	$0.00	$0.00	$52.55	$67.60

6501-8000 hrs 6th Period	$34.40	$80.00	$12.15	$7.05	$1.16	$0.00	$3.40	$0.00	$0.00	$0.00	$58.16	$75.36

(*)Special Calculation Note :

Other for CW/CE: Education Fund

Ratio :

1 to 3 Journeymen to 2 Apprentices
4 to 6 Journeymen to 4 Apprentices

Construction Wireman and Construction Electrician Ratio:
1 Journeymen to 4 (CW/CE) Employees
An Inside Journeyman Wireman is required on the project at the 5th worker or when apprentices are used.

Jurisdiction (* denotes special jurisdictional note) :

Champaign, Clark, Delaware, Fairfield, Franklin, Madison, Pickaway*, Union

Special Jurisdictional Note :

In Pickaway County the following townships: Circleville, Darby, Harrison, Jackson, Madison, Monroe, Muhlenberg, Scioto, Walnut, Washington.

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Electrical Local 683 Inside Lt Commercial South West

Type of Rate: Commercial

Change #: LCN02-2025ib

Craft: Electrical

Effective Date: 8/13/2025

Effective Date: 8/13/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrician	$43.00		$12.15	$8.81	$1.16	$0.00	$4.25	$0.00	$0.00	$0.00	$69.37	$90.87
Welding	$44.00		$12.15	$8.84	$1.16	$0.00	$4.25	$0.00	$0.00	$0.00	$70.40	$92.40
Medium Voltage Splicing	$44.00		$12.15	$8.84	$1.16	$0.00	$4.25	$0.00	$0.00	$0.00	$70.40	$92.40
Over 100 feet	$64.50		$12.15	$9.46	$1.16	$0.00	$4.25	$0.00	$0.00	$0.00	$91.52	$123.7
Level 1 CW 0 to 2000 hours	$15.29		$6.83	$0.46	$0.92	$0.00	$0.46	$0.10	$0.00	$0.00	$24.06	$31.71
Level 2 CW 2001 to 4000 hours	$16.25		$6.83	$0.49	$0.92	$0.00	$0.49	$0.10	$0.00	$0.00	$25.08	$33.21
Level 3 CW 4001 to 6000 hours	$17.20		$6.83	$0.52	$0.92	$0.00	$0.52	$0.10	$0.00	$0.00	$26.09	$34.69
Level 4 CW 6001 to 8000 hours	$19.12		$6.83	$0.57	$0.92	$0.00	$0.57	$0.10	$0.00	$0.00	$28.11	$37.67
Level 1 CE 8001 to 10000 hours	$21.03		$6.83	$0.63	$0.92	$0.00	$0.63	$0.10	$0.00	$0.00	$30.14	$40.66
Level 2 CE 10,001 to 12,000 hours	$22.94		$6.83	$0.69	$0.92	$0.00	$0.69	$0.10	$0.00	$0.00	$32.17	$43.64
Level 3 CE 12,001 to14,000 hours	$28.67		$6.83	$0.86	$0.92	$0.00	$0.86	$0.10	$0.00	$0.00	$38.24	$52.58
Apprentice	BHR	Percent										
0-1000 hrs 1st Period	$21.50	$50.00	$12.15	$4.41	$1.16	$0.00	$0.00	$0.00	$0.00	$0.00	$39.22	$49.97
1001-2000 hrs 2nd Period	$23.65	$55.00	$12.15	$4.85	$1.16	$0.00	$0.00	$0.00	$0.00	$0.00	$41.81	$53.63
2001-3500 hrs 3rd Period	$25.80	$60.00	$12.15	$5.28	$1.16	$0.00	$2.55	$0.00	$0.00	$0.00	$46.94	$59.84
3501-5000 hrs 4th Period	$27.95	$65.00	$12.15	$5.73	$1.16	$0.00	$2.76	$0.00	$0.00	$0.00	$49.75	$63.73
5001-6500 hrs 5th Period	$30.10	$70.00	$12.15	$6.16	$1.16	$0.00	$2.98	$0.00	$0.00	$0.00	$52.55	$67.60

6501-8000 hrs 6th Period	$34.40	$80.00	$12.15	$7.05	$1.16	$0.00	$3.40	$0.00	$0.00	$0.00	$58.16	$75.36

(*)Special Calculation Note :

Other for CW/CE: Education Fund

Ratio :

1 to 3 Journeymen to 2 Apprentices
4 to 6 Journeymen to 4 Apprentices

Construction Wireman and Construction Electrician Ratio:
1 Journeymen to 4 (CW/CE) Employees
An Inside Journeyman Wireman is required on the project at the 5th worker or when apprentices are used.

Jurisdiction (* denotes special jurisdictional note) :

Champaign, Clark, Delaware, Fairfield, Franklin, Madison, Pickaway*, Union

Special Jurisdictional Note :

In Pickaway County the following townships: Circleville, Darby, Harrison, Jackson, Madison, Monroe, Muhlenberg, Scioto, Walnut, Washington.

Details :

The scope of work for the light commercial agreement shall apply to the following facilities not to exceed 200,000 square feet; office buildings, shopping centers, auto sales agencies and garages, churches, funeral homes, nursing homes, hotels, retail and wholesale facilities, small stand-alone manufacturing facilities when free standing and not part of a larger facility (not to exceed 50,000 square fee), solar projects (500 panels or less) unless otherwise covered under the agreement, lighting retrofits (when not associated with remodels involving branch re-circuiting) lighting retrofits shall be defined as the changing of lamps and ballasts in existing light fixtures and shall also include the one for one replacement of existing fixtures, warehouses, gas stations, food service centers, restaurants, entertainment facilities, hospitals, clinics, motels, residential buildings.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Electrical Local 683 Voice Data Video

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Electrical	8/13/2025	8/13/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Installer Technician B	$32.00		$10.62	$4.46	$0.80	$0.00	$3.00	$0.74	$0.00	$0.00	$51.62	$67.62
Installer Technician A	$33.50		$10.62	$4.51	$0.80	$0.00	$3.00	$0.77	$0.00	$0.00	$53.20	$69.95
Cable Puller	$16.00		$10.62	$0.48	$0.80	$0.00	$3.00	$0.37	$0.00	$0.00	$31.27	$39.27
Apprentice	BHR	Percent										
1st Period 0 - 1000 hours	$19.20	$60.00	$10.62	$4.08	$0.80	$0.00	$3.00	$0.44	$0.00	$0.00	$38.14	$47.74
2nd Period 1001 - 2000 hours	$20.80	$65.00	$10.62	$4.12	$0.80	$0.00	$3.00	$0.48	$0.00	$0.00	$39.82	$50.22
3rd Period 2001 - 3000 hours	$22.40	$70.00	$10.62	$4.17	$0.80	$0.00	$3.00	$0.52	$0.00	$0.00	$41.51	$52.71
4th Period 3001 - 4000 hours	$24.00	$75.00	$10.62	$4.22	$0.80	$0.00	$3.00	$0.55	$0.00	$0.00	$43.19	$55.19
5th Period 4001 - 5000 hours	$25.60	$80.00	$10.62	$4.27	$0.80	$0.00	$3.00	$0.59	$0.00	$0.00	$44.88	$57.68
6th Period 5001 - 6000 hours	$27.20	$85.00	$10.62	$4.32	$0.80	$0.00	$3.00	$0.63	$0.00	$0.00	$46.57	$60.17

(*)Special Calculation Note :

Other is Holiday Pay

Ratio :

1 Apprentice for every 1 Installer Technician
Cable Pullers can only be employed after an apprentice is employed on the job

Jurisdiction (* denotes special jurisdictional note) :

Champaign, Clark, Delaware, Fairfield, Franklin, Madison, Pickaway*, Union

Special Jurisdictional Note :

In Pickaway County the following townships: Circleville, Darby, Harrison, Jackson, Madison, Monroe, Muhlenberg, Scioto, Walnut, Washington.

Details :

An employee who is required to wear an electronic device after hours will receive an additional 1.00 per hour for all hours worked.

HOLIDAYS: Memorial Day, 4th of July, Labor Day, Thanksgiving Day, Christmas Day, New Years Day.

The following work is EXCLUDED from the Teledata Technician work scope: - Installation of computer systems in industrial applications such as assembly lines, robotics, computer controller manufacturing systems. - Installation of conduit &/or raceways shall be installed by Inside Wireman . On sites where there is no Inside Wireman employed, the Teledata Technician may install raceway, or conduit not greater than 10 foot. - Fire Alarm work is excluded on all new construction sites or wherever the fire alarm system is installed in conduit - All HVAC control work. TECHNICIAN (A) is a Technician B who holds a current Technician Certification from BICSI (Building Industry Consulting Service International, Inc.)

CABLE PULLERS are for the installation of cable from one termination point to another.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Electrical Local 71 High Tension Pipe Type Cable

Type of Rate: Commercial

Change #: LCN02-2024ib

Craft: Electrical

Effective Date: 1/6/2025

Effective Date: 1/6/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Lineman	$52.94		$7.50	$1.59	$0.53	$0.00	$12.71	$0.75	$0.00	$0.00	$76.02	$102.4
Certified Lineman Welder	$52.94		$7.50	$1.59	$0.53	$0.00	$12.71	$0.75	$0.00	$0.00	$76.02	$102.49
Certified Cable Splicer	$52.94		$7.50	$1.59	$0.53	$0.00	$12.71	$0.75	$0.00	$0.00	$76.02	$102.49
Operator A	$47.43		$7.50	$1.42	$0.47	$0.00	$11.38	$0.75	$0.00	$0.00	$68.95	$92.67
Operator B	$41.99		$7.50	$1.26	$0.42	$0.00	$10.08	$0.75	$0.00	$0.00	$62.00	$83.00
Operator C	$33.74		$7.50	$1.01	$0.34	$0.00	$8.10	$0.75	$0.00	$0.00	$51.44	$68.31
Groundman 0-12 months Exp	$26.47		$7.50	$0.79	$0.26	$0.00	$6.35	$0.75	$0.00	$0.00	$42.12	$55.36
Groundman 0-12 months Exp w/CDL	$29.12		$7.50	$0.87	$0.29	$0.00	$6.99	$0.75	$0.00	$0.00	$45.52	$60.08
Groundman 1 yr or more	$29.12		$7.50	$0.87	$0.29	$0.00	$6.99	$0.75	$0.00	$0.00	$45.52	$60.08
Groundman 1 yr or more w/CDL	$34.41		$7.50	$1.03	$0.34	$0.00	$8.26	$0.75	$0.00	$0.00	$52.29	$69.50
Equipment Mechanic A	$41.99		$7.50	$1.26	$0.42	$0.00	$10.08	$0.75	$0.00	$0.00	$62.00	$83.00
Equipment Mechanic B	$37.86		$7.50	$1.14	$0.38	$0.00	$9.09	$0.75	$0.00	$0.00	$56.72	$75.65
Equipment Mechanic C	$33.74		$7.50	$1.01	$0.34	$0.00	$8.10	$0.75	$0.00	$0.00	$51.44	$68.31
X-Ray Technician	$52.94		$7.50	$1.59	$0.53	$0.00	$12.71	$0.75	$0.00	$0.00	$76.02	$102.49
Apprentice	BHR	Percent										
1st 1000 hrs	$31.76	$60.00	$7.50	$0.95	$0.32	$0.00	$7.62	$0.75	$0.00	$0.00	$48.90	$64.79
2nd 1000 hrs	$34.41	$65.00	$7.50	$1.03	$0.34	$0.00	$8.26	$0.75	$0.00	$0.00	$52.29	$69.50
3rd 1000 hrs	$37.06	$70.00	$7.50	$1.11	$0.37	$0.00	$8.89	$0.75	$0.00	$0.00	$55.68	$74.21

4th 1000 hrs	$39.71	$75.00	$7.50	$1.19	$0.40	$0.00	$9.53	$0.75	$0.00	$0.00	$59.08	$78.93
5th 1000 hrs	$42.35	$80.00	$7.50	$1.27	$0.42	$0.00	$10.16	$0.75	$0.00	$0.00	$62.45	$83.63
6th 1000 hrs	$45.00	$85.00	$7.50	$1.35	$0.45	$0.00	$10.80	$0.75	$0.00	$0.00	$65.85	$88.35
7th 1000 hrs	$47.65	$90.00	$7.50	$1.43	$0.48	$0.00	$11.44	$0.75	$0.00	$0.00	$69.25	$93.07

(*)Special Calculation Note :

Other is Health Retirement Account Operator "A" John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater then 25 tons and less than 45 tons). Operator "B" Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger- wheeled or tracked, all Tension wire Stringing equipment. Operator "C" Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler. *All Operators of cranes 45 ton or larger shall be paid the journeyman rate of pay. $0.30 is for Health Retirement Account.

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Adams, Ashland, Ashtabula, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Cuyahoga, Darke, Delaware, Fairfield, Fayette, Franklin, Gallia, Geauga, Greene, Guernsey, Hamilton, Harrison, Highland, Hocking, Holmes, Jackson, Jefferson, Knox, Lake, Lawrence, Licking, Logan, Lorain, Madison, Mahoning, Marion, Medina, Meigs, Mercer, Miami, Monroe, Montgomery, Morgan, Morrow, Muskingum, Noble, Perry, Pickaway, Pike, Portage, Preble, Richland, Ross, Scioto, Shelby, Stark, Summit, Trumbull, Tuscarawas, Union, Vinton, Warren, Washington, Wayne

Special Jurisdictional Note :

Details :

Heli - Arc Welding will be paid $.30 above Journeyman rate. Additional compensation of 10% over the Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers, smoke stacks, radio and television towers, more than 75' above the ground.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Electrical Local 71 Outside (Central OH Chapter)

Type of Rate: Commercial

Change #: LCN01-2025ib

Craft: Electrical

Effective Date: 6/4/2025

Effective Date: 6/4/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Lineman	$46.03		$7.50	$1.38	$0.46	$0.00	$9.20	$0.50	$0.00	$0.00	$65.07	$88.09
Traffic Signal & Lighting Journeyman	$44.43		$7.50	$1.33	$0.44	$0.00	$8.89	$0.50	$0.00	$0.00	$63.09	$85.31
Equipment Operator	$40.44		$7.50	$1.21	$0.40	$0.00	$8.09	$0.50	$0.00	$0.00	$58.14	$78.36
Groundman 0-12 months (W/O CDL)	$24.52		$7.50	$0.74	$0.25	$0.00	$4.90	$0.50	$0.00	$0.00	$38.41	$50.67
Groundman 0-12 Months W/CDL	$26.78		$7.50	$0.80	$0.27	$0.00	$5.36	$0.50	$0.00	$0.00	$41.21	$54.60
Groundman greater than 1 Year W/CDL	$29.07		$7.50	$0.87	$0.29	$0.00	$5.81	$0.50	$0.00	$0.00	$44.04	$58.58
Traffic Signal Apprentices	$		$	$	$	$	$	$	$	$	$	$
1st 1,000 hours	$26.66		$7.50	$0.80	$0.27	$0.00	$5.33	$0.50	$0.00	$0.00	$41.06	$54.39
2nd 1,000 hours	$28.88		$7.50	$0.87	$0.29	$0.00	$5.78	$0.50	$0.00	$0.00	$43.82	$58.26
3rd 1,000 hours	$31.10		$7.50	$0.93	$0.31	$0.00	$6.22	$0.50	$0.00	$0.00	$46.56	$62.11
4th 1,000 hours	$33.32		$7.50	$1.00	$0.33	$0.00	$6.66	$0.50	$0.00	$0.00	$49.31	$65.97
5th 1,000 hours	$35.54		$7.50	$1.07	$0.36	$0.00	$7.11	$0.50	$0.00	$0.00	$52.08	$69.85
6th 1,000 hours	$39.99		$7.50	$1.20	$0.40	$0.00	$8.00	$0.50	$0.00	$0.00	$57.59	$77.59
Apprentice	BHR	Percent										
1st 1,000 Hours	$27.62	$60.00	$7.50	$0.83	$0.28	$0.00	$5.52	$0.50	$0.00	$0.00	$42.25	$56.06
2nd 1,000 Hours	$29.92	$65.00	$7.50	$0.90	$0.30	$0.00	$5.98	$0.50	$0.00	$0.00	$45.10	$60.06
3rd 1,000 Hours	$32.22	$70.00	$7.50	$0.97	$0.32	$0.00	$6.44	$0.50	$0.00	$0.00	$47.95	$64.06
4th 1,000 Hours	$34.52	$75.00	$7.50	$1.04	$0.35	$0.00	$6.90	$0.50	$0.00	$0.00	$50.81	$68.07

5th 1,000 Hours	$36.82	$80.00	$7.50	$1.10	$0.37	$0.00	$7.36	$0.50	$0.00	$0.00	$53.65	$72.07
6th 1,000 Hours	$39.13	$85.00	$7.50	$1.17	$0.39	$0.00	$7.82	$0.50	$0.00	$0.00	$56.51	$76.07
7th 1,000 Hours	$41.43	$90.00	$7.50	$1.24	$0.41	$0.00	$8.28	$0.50	$0.00	$0.00	$59.36	$80.07

(*)Special Calculation Note :

Other is Health Reimburstment Account

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Adams, Ashland, Athens, Coshocton, Crawford, Delaware, Fairfield, Fayette, Franklin, Gallia, Guernsey, Highland, Hocking, Jackson, Knox, Lawrence, Licking, Madison, Marion, Meigs, Monroe, Morgan, Morrow, Muskingum, Noble, Perry, Pickaway, Pike, Richland, Ross, Scioto, Tuscarawas, Union, Vinton, Washington

Special Jurisdictional Note :

Details :

A groundman when directed shall assist a Journeyman Lineman, Traffic Signal and Lighting Journeyman or Equipment Operator in the performance of his/her work on the ground, including the use of hand tools. Under no circumstances shall this classification climb poles, towers, or work from an elevated platform or bucket truck. This classification shall not perform work normally assigned to an Apprentice. No more than three (3) Groundmen shall work alone. Jobs with more that three Groundmen shall be supervised by a Groundcrew Foreman, Journeyman Lineman, Journeyman Traffic Signal Technician or an Equipment Operator. Scope of Work: installation and maintenance of highway and street lighting, highway and street sign lighting, electronic message boards and traffic control systems, camera systems, traffic signal work, substation and line construction including overhead and underground projects for private and industrial work as in accordance with the IBEW Constitution. This Agreement includes the operation of all tools and equipment necessary for the installation of the above projects.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Electrical Local 71 Outside Utility Power

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2024ib	Electrical	1/6/2025	1/6/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Lineman	$50.15		$7.50	$1.50	$0.50	$0.00	$12.04	$0.75	$0.00	$0.00	$72.44	$97.52
Substation Technician	$50.15		$7.50	$1.50	$0.50	$0.00	$12.04	$0.75	$0.00	$0.00	$72.44	$97.52
Cable Splicer	$52.52		$7.50	$1.58	$0.52	$0.00	$12.60	$0.75	$0.00	$0.00	$75.47	$101.7
Operator A	$44.95		$7.50	$1.35	$0.45	$0.00	$10.79	$0.75	$0.00	$0.00	$65.79	$88.27
Operator B	$39.73		$7.50	$1.19	$0.40	$0.00	$9.53	$0.75	$0.00	$0.00	$59.10	$78.97
Operator C	$31.89		$7.50	$0.96	$0.32	$0.00	$7.65	$0.75	$0.00	$0.00	$49.07	$65.02
Groundman 0-12 months Exp	$25.07		$7.50	$0.75	$0.25	$0.00	$6.02	$0.75	$0.00	$0.00	$40.34	$52.88
Groundman 0-12 months Exp w/CDL	$27.58		$7.50	$0.83	$0.28	$0.00	$6.62	$0.75	$0.00	$0.00	$43.56	$57.35
Groundman 1 yr or more	$27.58		$7.50	$0.83	$0.28	$0.00	$6.62	$0.75	$0.00	$0.00	$43.56	$57.35
Groundman 1 yr or more w/CDL	$32.60		$7.50	$0.98	$0.33	$0.00	$7.82	$0.75	$0.00	$0.00	$49.98	$66.28
Equipment Mechanic A	$39.73		$7.50	$1.19	$0.40	$0.00	$9.54	$0.75	$0.00	$0.00	$59.11	$78.98
Equipment Mechanic B	$35.82		$7.50	$1.07	$0.36	$0.00	$8.60	$0.75	$0.00	$0.00	$54.10	$72.01
Equipment Mechanic C	$31.89		$7.50	$0.96	$0.32	$0.00	$7.65	$0.75	$0.00	$0.00	$49.07	$65.02
Line Truck w/uuger	$35.16		$7.50	$1.05	$0.35	$0.00	$8.44	$0.75	$0.00	$0.00	$53.25	$70.83
Apprentice	BHR	Percent										
1st 1000 hrs	$30.09	$60.00	$7.50	$0.90	$0.30	$0.00	$7.22	$0.75	$0.00	$0.00	$46.76	$61.81
2nd 1000 hrs	$32.60	$65.00	$7.50	$0.98	$0.33	$0.00	$7.82	$0.75	$0.00	$0.00	$49.98	$66.28
3rd 1000 hrs	$35.11	$70.00	$7.50	$1.05	$0.35	$0.00	$8.43	$0.75	$0.00	$0.00	$53.19	$70.74

4th 1000 hrs	$37.61	$75.00	$7.50	$1.13	$0.38	$0.00	$9.03	$0.75	$0.00	$0.00	$56.40	$75.21
5th 1000 hrs	$40.12	$80.00	$7.50	$1.20	$0.40	$0.00	$9.63	$0.75	$0.00	$0.00	$59.60	$79.66
6th 1000 hrs	$42.63	$85.00	$7.50	$1.28	$0.43	$0.00	$10.23	$0.75	$0.00	$0.00	$62.82	$84.13
7th 1000 hrs	$45.14	$90.00	$7.50	$1.35	$0.45	$0.00	$10.83	$0.75	$0.00	$0.00	$66.02	$88.58

(*)Special Calculation Note :

Other is Health Reimburstment Account Operator "A" John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater then 25 tons and less than 45 tons). Operator "B" Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger- wheeled or tracked, all Tension wire Stringing equipment. Operator "C" Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler.

Ratio :

(1) Journeyman Lineman to (1) Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Adams, Ashland, Ashtabula, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Cuyahoga, Darke, Delaware, Fairfield, Fayette, Franklin, Gallia, Geauga, Greene, Guernsey, Hamilton, Harrison, Highland, Hocking, Holmes, Jackson, Jefferson, Knox, Lake, Lawrence, Licking, Logan, Lorain, Madison, Mahoning, Marion, Medina, Meigs, Mercer, Miami, Monroe, Montgomery, Morgan, Morrow, Muskingum, Noble, Perry, Pickaway, Pike, Portage, Preble, Richland, Ross, Scioto, Shelby, Stark, Summit, Trumbull, Tuscarawas, Union, Vinton, Warren, Washington, Wayne

Special Jurisdictional Note :

Details :

Heli - Arc Welding will be paid $.30 above Journeyman rate. Additional compensation of 10% over the Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers, smoke stacks, radio and television towers, more than 75' above the ground.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Electrical Local 71 Underground Residential Distribution

Type of Rate: Commercial

Change #: LCN02-2024ib

Craft: Electrical

Effective Date: 1/6/2025

Effective Date: 1/6/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
URD Electrican	$38.05		$7.50	$1.14	$0.38	$0.00	$9.13	$0.75	$0.00	$0.00	$56.95	$75.98
Equipment Operator A	$34.04		$7.50	$1.02	$0.34	$0.00	$8.17	$0.75	$0.00	$0.00	$51.82	$68.84
Equipment Operator B	$31.26		$7.50	$0.94	$0.31	$0.00	$7.50	$0.75	$0.00	$0.00	$48.26	$63.89
Directional Drill Locator	$34.04		$7.50	$1.02	$0.34	$0.00	$8.17	$0.75	$0.00	$0.00	$51.82	$68.84
Directional Drill Operator	$31.26		$7.50	$0.94	$0.31	$0.00	$7.50	$0.75	$0.00	$0.00	$48.26	$63.89
Groundman 0-12 months Exp	$24.70		$7.50	$0.74	$0.25	$0.00	$5.93	$0.75	$0.00	$0.00	$39.87	$52.22
Groundman 0-12 months Exp w/CDL	$27.24		$7.50	$0.82	$0.27	$0.00	$6.54	$0.75	$0.00	$0.00	$43.12	$56.74
Groundman 1 yr or more	$27.24		$7.50	$0.82	$0.27	$0.00	$6.54	$0.75	$0.00	$0.00	$43.12	$56.74
Groundman 1 yr or more w/CDL	$32.26		$7.50	$0.97	$0.32	$0.00	$7.74	$0.75	$0.00	$0.00	$49.54	$65.67
Apprentice	BHR	Percent										
1st 1000 hrs	$30.44	$80.00	$7.50	$0.91	$0.30	$0.00	$7.31	$0.75	$0.00	$0.00	$47.21	$62.43
2nd 1000 hrs	$32.34	$85.00	$7.50	$0.97	$0.32	$0.00	$7.76	$0.75	$0.00	$0.00	$49.64	$65.81
3rd 1000 hrs	$34.25	$90.00	$7.50	$1.03	$0.34	$0.00	$8.22	$0.75	$0.00	$0.00	$52.09	$69.21
4th 1000 hrs	$36.15	$95.00	$7.50	$1.08	$0.36	$0.00	$8.68	$0.75	$0.00	$0.00	$54.52	$72.59

(*)Special Calculation Note :

Other: Health Reimburstment Account

Ratio :

(1) Journeyman Lineman to (1) Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Adams, Ashland, Ashtabula, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Cuyahoga, Darke, Delaware, Fairfield, Fayette, Franklin, Gallia, Geauga, Greene, Guernsey, Hamilton, Harrison, Highland, Hocking, Holmes, Jackson, Jefferson, Knox, Lake, Lawrence, Licking, Logan, Lorain, Madison, Mahoning, Marion, Medina, Meigs, Mercer, Miami, Monroe, Montgomery, Morgan, Morrow, Muskingum, Noble, Perry, Pickaway, Pike, Portage, Preble, Richland, Ross, Scioto, Shelby, Stark, Summit, Trumbull, Tuscarawas, Union, Vinton, Warren, Washington, Wayne

Special Jurisdictional Note :

Details :

This work applies to projects designated for any outside Underground Residential Distribution construction work for electrical utilities, municipalities and rural electrification projects.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Electrical Local 71 Voice Data Video Outside

Type of Rate: Commercial

Change #: LCN02-2024ib

Craft: Electrical

Effective Date: 3/6/2024

Effective Date: 3/6/2024

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Installer Technician I	$35.39		$7.25	$1.06	$0.00	$0.00	$1.77	$0.00	$0.00	$0.00	$45.47	$63.17
Installer Technician II	$33.37		$7.25	$1.00	$0.00	$0.00	$1.67	$0.00	$0.00	$0.00	$43.29	$59.98
Installer Repairman	$33.37		$7.25	$1.00	$0.00	$0.00	$1.67	$0.00	$0.00	$0.00	$43.29	$59.98
Equipment Operator II	$24.98		$7.25	$0.75	$0.00	$0.00	$1.25	$0.00	$0.00	$0.00	$34.23	$46.72
Cable Splicer	$35.39		$7.25	$1.06	$0.00	$0.00	$1.77	$0.00	$0.00	$0.00	$45.47	$63.17
Ground Driver W/CDL	$16.69		$7.25	$0.50	$0.00	$0.00	$0.83	$0.00	$0.00	$0.00	$25.27	$33.62
Groundman	$14.57		$7.25	$0.44	$0.00	$0.00	$0.73	$0.00	$0.00	$0.00	$22.99	$30.28
Apprentice	BHR	Percent										
Trainee F	$17.70	$50.01	$7.25	$0.53	$0.00	$0.89	$0.00	$0.00	$0.00	$0.00	$26.37	$35.22
Trainee E	$20.53	$58.00	$7.25	$0.62	$0.00	$1.03	$0.00	$0.00	$0.00	$0.00	$29.43	$39.69
Trainee D	$23.36	$66.00	$7.25	$0.70	$0.00	$1.17	$0.00	$0.00	$0.00	$0.00	$32.48	$44.16
Trainee C	$26.19	$74.00	$7.25	$0.79	$0.00	$1.31	$0.00	$0.00	$0.00	$0.00	$35.54	$48.63
Trainee B	$29.02	$82.00	$7.25	$0.87	$0.00	$1.45	$0.00	$0.00	$0.00	$0.00	$38.59	$53.10
Trainee A	$31.85	$90.00	$7.25	$0.96	$0.00	$1.59	$0.00	$0.00	$0.00	$0.00	$41.65	$57.58

(*)Special Calculation Note :

Ratio :

1Trainee to 1 Journeyman

Jurisdiction (* denotes special jurisdictional note) :

Adams, Ashland, Ashtabula, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Cuyahoga, Darke, Delaware, Fairfield, Fayette, Franklin, Gallia, Geauga, Greene, Guernsey, Hamilton, Harrison, Highland, Hocking, Holmes, Jackson, Jefferson, Knox, Lake, Lawrence, Licking, Logan, Lorain, Madison, Mahoning, Marion, Medina, Meigs, Mercer, Miami, Monroe, Montgomery, Morgan, Morrow, Muskingum, Noble, Perry, Pickaway, Pike, Portage, Preble, Richland, Ross, Scioto, Shelby, Stark, Summit, Trumbull, Tuscarawas, Union, Vinton, Warren, Washington, Wayne

Special Jurisdictional Note :

Details :

Cable Splicer: Inspect and test lines or cables, analyze results, and evaluate transmission characteristics. Cover conductors with insulation or seal splices with moisture-proof covering. Install, splice, test, and repair cables using tools or mechanical equipment. This will include the splicing of fiber. Installer Technician I: Must know all aspects of telephone and cable work. This is to include aerial, underground, and manhole work. Must know how to climb and run bucket. Must have all the tools required to perform these tasks. Must be able to be responsible for the safety of the crew at all times. Must also have CDL license and have at least 5 years experience. Installer Repairman: Perform tasks of repairing, installing, and testing phone and CATV services. Installer Technician II: Have at least three years of telephone and CATV experience. Must have the knowledge of underground, aerial, and manhole work. Must be able to climb and operate bucket. Must have CDL. Must have all tools needed to perform these tasks. Equipment Operator II: Able to operate a digger derrick or bucket truck. Have at least 3 years of experience and must have a valid CDL license. Groundman W/CDL: Must have a valid CDL license and be able to perform tasks such as: climbing poles, pulling down guys, making up material, and getting appropriate tools for the job. Must have at least 5 year's experience. Groundman: Perform tasks such as: climbing poles, pulling down guys, making up material, and getting appropriate tools for the job. Experience 0-5 years.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Elevator Local 37

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2023ib	Elevator	1/1/2024	1/1/2024

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Elevator Mechanic	$54.93		$16.17	$10.86	$0.75	$4.39	$10.10	$0.00	$0.00	$0.00	$97.20	$124.6
Helper	$38.45		$16.17	$10.86	$0.75	$3.07	$10.10	$0.00	$0.00	$0.00	$79.40	$98.63
Apprentice	BHR	Percent										
Probationary Apprentice	$27.47	$50.01	$0.00	$0.00	$0.00	$1.64	$0.00	$0.00	$0.00	$0.00	$29.11	$42.85
1st Year	$30.21	$55.00	$16.17	$10.86	$0.75	$1.81	$10.10	$0.00	$0.00	$0.00	$69.90	$85.01
2nd Year	$35.70	$65.00	$16.17	$10.86	$0.75	$2.14	$10.10	$0.00	$0.00	$0.00	$75.72	$93.58
3rd Year	$38.45	$70.00	$16.17	$10.86	$0.75	$2.30	$10.10	$0.00	$0.00	$0.00	$78.63	$97.86
4th Year	$43.94	$80.00	$16.17	$10.86	$0.75	$2.63	$10.10	$0.00	$0.00	$0.00	$84.45	$106.4
Assistant Mechanic	$43.94	$80.00	$16.17	$10.86	$0.75	$3.51	$10.10	$0.00	$0.00	$0.00	$85.33	$107.3

(*)Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice** 1 Journeyman to 1 Helper** 1 Journeyman to 1 Assistant Mechanic**

Jurisdiction (* denotes special jurisdictional note) :

Athens, Champaign, Clark, Delaware, Fairfield, Fayette, Franklin, Gallia, Guernsey, Hocking, Jackson, Knox, Lawrence, Licking, Logan, Madison, Marion, Meigs, Monroe*, Morgan, Morrow, Muskingum, Noble, Perry, Pickaway, Pike, Ross, Union, Vinton

Special Jurisdictional Note :

Monroe County is shared by both Local 37 and Local 6.

Details :

**Art. 10 Par. 2 Apprentice Work Qualifications: Par 2- The total number of Helpers and Apprentices employed shall not exceed the number of Mechanics on any one job, except on jobs where two teams or more are working, one extra Helper or Apprentice may be employed for the first two teams and an extra Helper or Apprentice for each additional three teams. Further, the Company may use as many Helpers and Apprentices as best suits his convenience under the direction of a Mechanic in wrecking old plants and in handling and hoisting material, and on foundation work. When removing old and installing new cable on existing elevator installations, the Company may use two Helpers or Apprentices to one Mechanic.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Glazier Local 372

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN02-2024ib	Glazier	11/1/2024	11/1/2024

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Glazier	$33.82		$6.20	$10.14	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$50.61	$67.52
Apprentice	BHR	Percent										
1st Year	$23.67	$70.00	$6.20	$2.84	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$33.16	$45.00
2nd Year	$25.37	$75.00	$6.20	$2.84	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$34.86	$47.54
3rd Year	$28.75	$85.00	$6.20	$6.55	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$41.95	$56.32
4th Year	$32.13	$95.00	$6.20	$6.55	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$45.33	$61.39

(*)Special Calculation Note :

No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Delaware, Fairfield, Fayette*, Franklin, Hocking, Jackson, Knox, Licking, Madison, Marion, Morrow, Muskingum, Perry, Pickaway, Pike, Ross, Union, Vinton

Special Jurisdictional Note :

Fayette County - locations west of State Route 62 ONLY.

Details :

A premium of one dollar ($1.00) per hour above regular hourly rate of pay shall be paid for each hour worked by every employee from any mechanical lift or scaffold,either suspended or supported including the Hex type scaffolding.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Ironworker Local 172

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Ironworker	6/11/2025	6/11/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Ironworker	$40.87		$9.50	$9.50	$0.71	$0.00	$3.50	$0.00	$0.00	$0.00	$64.08	$84.52
Rigger Welder Reinforcing Sheeter Fence Erector Machinery Mover	$40.87		$9.50	$9.50	$0.71	$0.00	$3.50	$0.00	$0.00	$0.00	$64.08	$84.52
Apprentice	BHR	Percent										
1st Year 0-1500 Hours	$28.61	$70.00	$9.50	$9.50	$0.71	$0.00	$3.50	$0.00	$0.00	$0.00	$51.82	$66.12
2nd Year 1501-3000 Hours	$32.70	$80.00	$9.50	$9.50	$0.71	$0.00	$3.50	$0.00	$0.00	$0.00	$55.91	$72.25
3rd Year 3001-4500 Hours	$36.79	$90.02	$9.50	$9.50	$0.71	$0.00	$3.50	$0.00	$0.00	$0.00	$60.00	$78.40

(*)Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Champaign*, Clark*, Crawford*, Delaware, Fairfield, Fayette*, Franklin, Hardin*, Highland*, Hocking, Jackson*, Knox, Licking, Logan*, Madison*, Marion, Morrow, Perry, Pickaway, Pike, Ross, Union, Vinton, Wyandot*

Special Jurisdictional Note :

Champaign County Twps included: Wayne, Rush, Goshen. Clark County Twps included: Vienna, Catawba and portions of Harmony and Pleasant Crawford County Twps included: Bucyrus, Dallas, Jefferson, Jackson, Whetstone, Polk, Sandusky. Fayette County Twps included: Paint, Marion, Perry, Madison, Wayne, Union. Hardin County Twps included: McDonald, Taylorcreek, Hale, Dudley, Pleasant, Goshen, Blanchard, Lynn, Jackson, Buck, Cessna, Marion, Washington. Highland County Twps included: Madison. Jackson County Twps included: Liberty, Washington, Milton, Jackson, Coal, Wilkesville. Logan County Twps included: Monroe, Zane, Jefferson, Perry, Rush Creek, Bokes Creek. Madison County Twps included: Range, Paint, Fairfield, Sommerford, Jefferson, Pike, Canaan, Pleasant, Oak Run, Union, Deer Creek, Monroe, Darby. Pike County Twps included: Perry, Benton, Mifflin, Sunfish, Newton, Prebble, Pee Pee, Seal, Beaver, Jackson. Wyandot County Twps included: Jackson, Marseilles, Mifflin, Pitt, Antrim. Muskingum County includes:Jackson,Licking,Hope Well, Newton, Clay, Cass, Muskingum falls,Springfield,Madison,Washington,Wayne,Brush Creek.

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Labor HevHwy 3

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN02-2025ib	Laborer	6/11/2025	6/11/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Laborer Group 1	$37.27		$8.60	$4.45	$0.45	$0.00	$2.50	$0.00	$0.10	$0.00	$53.37	$72.01
Group 2	$37.44		$8.60	$4.45	$0.45	$0.00	$2.50	$0.00	$0.10	$0.00	$53.54	$72.26
Group 3	$37.77		$8.60	$4.45	$0.45	$0.00	$2.50	$0.00	$0.10	$0.00	$53.87	$72.76
Group 4	$38.22		$8.60	$4.45	$0.45	$0.00	$2.50	$0.00	$0.10	$0.00	$54.32	$73.43
Watch Person	$32.00		$8.60	$4.45	$0.45	$0.00	$2.50	$0.00	$0.10	$0.00	$48.10	$64.10
Apprentice	BHR	Percent										
0-1000 hrs	$29.82	$80.00	$8.60	$4.45	$0.45	$0.00	$2.50	$0.00	$0.10	$0.00	$45.92	$60.82
1001-2000 hrs	$31.68	$85.00	$8.60	$4.45	$0.45	$0.00	$2.50	$0.00	$0.10	$0.00	$47.78	$63.62
2001-3000 hrs	$33.54	$90.00	$8.60	$4.45	$0.45	$0.00	$2.50	$0.00	$0.10	$0.00	$49.64	$66.41
3001-4000 hrs	$35.41	$95.00	$8.60	$4.45	$0.45	$0.00	$2.50	$0.00	$0.10	$0.00	$51.51	$69.21
More than 4000 hrs	$37.27	$100.00	$8.60	$4.45	$0.45	$0.00	$2.50	$0.00	$0.10	$0.00	$53.37	$72.01

(*)Special Calculation Note :

Watchmen have no Apprentices. Tunnel Laborer rate with air-pressurized add $1.00 to the above wage rate. Commercial Driver's License – Any Laborer required to utilize a valid Commercial Driver's License (CDL), are in compliance with necessary FMCSA regulations and approved by the Contractor to operate a Commercial Motor Vehicle (CMV), shall be paid one dollar ($1.00) per hour above the base rate for the entirety of their working shift.

Ratio :

1 Journeymen to 1 Apprentice 3 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

Adams, Allen, Ashland, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Darke, Defiance, Delaware, Fairfield, Fayette, Franklin, Fulton, Gallia, Greene, Guernsey, Hamilton, Hancock, Hardin, Harrison, Henry, Highland, Hocking, Holmes, Jackson, Jefferson, Knox, Lawrence, Licking, Logan, Madison, Marion, Meigs, Mercer, Miami, Monroe, Montgomery, Morgan, Morrow, Muskingum, Noble, Paulding, Perry, Pickaway, Pike, Preble, Putnam, Richland, Ross, Scioto, Seneca, Shelby, Tuscarawas, Union, Van Wert, Vinton, Warren, Washington, Wayne, Williams, Wyandot

Special Jurisdictional Note :

Hod Carriers and Common Laborers - Heavy, Highway, Sewer, Waterworks, Utility, Airport, Railroad, Industrial and Building Site, Sewer Plant, Waste Water Treatment Facilities Construction

Details :

Group 1 Laborer (Construction); Plant Laborer or Yardman, Right-of-way Laborer, Landscape Laborer, Highway Lighting Worker, Signalization Worker, (Swimming) Pool Construction Laborer, Utility Man, *Bridge Man, Handyman, Joint Setter, Flagperson, Carpenter Helper, Waterproofing Laborer, Slurry Seal, Seal Coating, Surface Treatment or Road Mix Laborer, Riprap Laborer & Grouter, Asphalt Laborer, Dump Man (batch trucks), Guardrail & Fence Installer, Mesh Handler & Placer, Concrete Curing Applicator, Scaffold Erector, Sign Installer, Hazardous Waste (level D), Diver Helper, Zone Person and Traffic Control. *Bridge Man will perfomr work as per the October 31, 1949, memorandum on concrete forms, byand between the United Brotherhood of Caprpenters and Joiners of Americ and the Laborers' International Union of North America, which states in; "the moving, cleaning, oiling and carrying to the next point of erection, and the stripping of forms which are not to be re-used, and forms on all flat arch work shall be done by memebers of the Laborers' International Union of North America." Group 2 Asphalt Raker, Screwman or Paver, Concrete Puddler, Kettle Man (pipeline), All Machine-Driven Tools (Gas, Electric, Air), Mason Tender, Brick Paver, Mortar Mixer, Skid Steer, Sheeting & Shoring Person, Surface Grinder Person, Screedperson, Water Blast, Hand Held Wand, Power Buggy or Power Wheelbarrow, Paint Striper, Plastic fusing Machine Operator, Rodding Machine Operator, Pug Mill Operator, Operator of All Vacuum Devices Wet or Dry, Handling of all Pumps 4 inches and under (gas, air or electric), Diver, Form Setter, Bottom Person, Welder Helper (pipeline), Concrete Saw Person, Cutting with Burning Torch, Pipe Layer, Hand Spiker (railroad), Underground Person (working in sewer and waterline, cleaning, repairing and reconditioning). Tunnel Laborer (without air),Caisson, Cofferdam (below 25 feet deep), Air Track and Wagon Drill, Sandblaster Nozzle Person, Hazardous Waste (level B), ***Lead Abatement, Hazardous Waste (level C) ***Includes the erecting of structures for the removal, including the encapsulation and containment of Lead abatement process. Group 3 Blast and Powder Person, Muckers will be defined as shovel men working directly with the miners, Wrencher (mechanical joints & utility pipeline), Yarner, Top Lander, Hazardous Waste (level A), Concrete Specialist, Curb Setter and Cutter, Grade Checker, Concrete Crew in Tunnels. Utility pipeline Tappers, Waterline, Caulker, Signal Person will receive the rate equal to the rate paid the Laborer classification for which the Laborer is signaling. Group 4 Miner,Welder, Gunite Nozzle Person A.) The Watchperson shall be responsible to patrol and maintain a safe traffic zone including but not limited to barrels, cones, signs, arrow boards, message boards etc. The responsibility of a watchperson is to see that the equipment, job and office trailer etc. are secure.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Labor Local 423

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Laborer	6/1/2025	6/1/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Laborer Group 1	$32.98		$8.60	$4.45	$0.40	$0.00	$1.00	$0.00	$0.10	$0.00	$47.53	$64.02
Group 2	$33.29		$8.60	$4.45	$0.40	$0.00	$1.00	$0.00	$0.10	$0.00	$47.84	$64.49
Group 3	$33.60		$8.60	$4.45	$0.40	$0.00	$1.00	$0.00	$0.10	$0.00	$48.15	$64.95
Group 4	$33.91		$8.60	$4.45	$0.40	$0.00	$1.00	$0.00	$0.10	$0.00	$48.46	$65.42
Apprentice	BHR	Percent										
0-1000 hrs	$23.09	$70.00	$8.60	$4.45	$0.40	$0.00	$1.00	$0.00	$0.10	$0.00	$37.64	$49.18
1001-2000 hrs	$26.38	$80.00	$8.60	$4.45	$0.40	$0.00	$1.00	$0.00	$0.10	$0.00	$40.93	$54.13
2001-3000 hrs	$29.68	$90.00	$8.60	$4.45	$0.40	$0.00	$1.00	$0.00	$0.10	$0.00	$44.23	$59.07
3001-4000 hrs	$31.33	$95.00	$8.60	$4.45	$0.40	$0.00	$1.00	$0.00	$0.10	$0.00	$45.88	$61.55
More than 4000 hrs	$32.98	$100.00	$8.60	$4.45	$0.40	$0.00	$1.00	$0.00	$0.10	$0.00	$47.53	$64.02

(*)Special Calculation Note :

Ratio :

1 Journeymen to 1 Apprentice 4 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Fairfield, Fayette, Franklin, Hocking, Licking, Madison, Pickaway, Union

Special Jurisdictional Note :

Details :

Group 1: General Laborers, Carpenter Tender, Cathodic Protection, Cleaning Debris, Cleaning of all Material, General Clean-up including Vacuum Cleaning, Scraping and Cleaning of Walls and Floors, Landscape, Installation and Removal of Fencing, Sod Layers, All Portable Heaters, Flagman, Loading and Unloading of all Trucks, Handling and conveying all Materials, Washing of all Windows, Conveyer Belt, All Water Pumps up to and including three (3) inch intake, Watchman, Water Boy and Tool Room Attendant. Group 1- Swimming Pools, Pool Decks, Surrounding Sidewalk and Parking Garages. Group 2: Skid Steer, Concrete Specialists, Brick Tender, Stone Mason Tender, Plaster Tender, Mortar Mixer and Operator, Cement Mason Tender, Construction Specialist, All Scaffold Builders (Swinging Scaffolds), Lagging, Bush Hammering,Jack Hammer Operator, Air or Electric Pneumatic Tool Operator, Power Driven Tools, Power Buggy Operators, Pouring and Placement of all concrete, Fork Lift Operators, Power Wheelbarrow Operators, Asphalt and Blacktop Rakers, Wrecker/Demolition, Sand Blasting and Chipping, Welders on Demolition, Grade Checkers, a person on a bucket pouring concrete, Gunite Nozzle man, Wagon and Churn Drill Operator, Concrete Saw Operator, Brush Feeders on pulverizers, Pipe Layers, Bottom Man, Laser Gun, Burners, Sand Blasting of concrete, Vibrator Man, Steward, Signal Man, Caisson, Caisson Bottom Man, Piledrivers, Asbestos and Lead Abatement Laborers. Hazardous Waste (Level B): Any work requiring the following protective equipment must be paid at Group 2 rate, A protective suit and an Air Purifying Respirator (APR) with the appropriate filter canisters. The ensemble is used when contaminants are reliably known not to be hazardous to the skin and not IDLH (Immediately Dangerous To Life or Health) and correct filter protection is available. This ensemble offers adequate protection for many jobs. Heat stress may be a problem due to inherent restrictions to breathing in an APR. Also, normal job related injury risk will be nearly as high as for Level C Equipment. Group 3 Hazardous (Level C:) Any work requiring the following protective equipment must be paid at Group 3 rate, A chemically resistant splash suit and a (SCBA) or Airline Respirator. This ensemble is required when the situation is very hazardous, such as oxygen deficient atmospheres, IDLH atmospheres, or confined space entries, but the risk of skin exposure is not as great as in Level D situations. Then Level C ensemble gives the second highest level of protection, but also puts physical stress on the worker; primarily heat stress, reduced vision,dexterity and mobility directly attributable to wearing of the protective equipment. Therefore, in addition to the hazardous material, the hazard of the normal job related injuries is greatly increased. Group 4 Hazardous Waste (Level D) requiring the following protective equipment must be paid at Group 4 rate, Protective equipment is required when the area has been known to contain extremely toxic contaminants or contaminants unknown but may be expected to be extremely toxic and /or Immediately Dangerous to Life and Health (IDLH). This ensemble includes fully encapsulated chemical suit (moon suit), Self Contained Breathing Apparatus (SCBA), or Airline Fed Respirator, and various types and numbers of boots and gloves, cool vests and voice activated radios are optional equipment sometimes worn. Level D ensembles provide the highest level of protection from contaminants but places the greatest physical and mental stress on the worker. The claustrophobic environment of the moon suit causes anxiety in most people, which greatly increases the already inherent heat stress problems. Also, this ensemble reduces vision, mobility, dexterity, and communication capacity, all of which increases the risk of normal job related injuries, ie., slips ,falls, caught between, etc . Hazardous Pay of $0.25 per hour shall be paid in addition to classifications shown above Swing Scaffolds (suspended by rope or pulley), and swing scaffolds for grain storage tank or grain elevators, when the work is performed at a height of fifty (50) feet or more above the foundations or grade level, whichever is higher. Caisson work and tunnel work (depth being 15 feet or deeper) Hazardous Waste Removal & Lead Abatement Workers: Exclusive or "Hot" area with toxic or hazardous materials, when one of the following personal protective equipment ensembles will be required for necessary protection against toxic contaminants. All of the ensembles increase the risks of certain types of worker-related injuries. When Laborers complement another craft receiving premium rate of pay Laborers will also receive premium pay for this "HOT" type of work.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Operating Engineers - Building Local 18 - Zone III

Type of Rate: Commercial

Change #: LCN01-2025ib

Craft: Operating Engineer

Effective Date: 5/1/2025

Effective Date: 5/1/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Operator Group A	$45.84		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$62.74	$85.66
Operator Group B	$45.72		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$62.62	$85.48
Operator Group C	$44.68		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$61.58	$83.92
Operator Group D	$43.50		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$60.40	$82.15
Operator Group E	$38.04		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$54.94	$73.96
Master Mechanic	$46.84		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$63.74	$87.16
Lift Director	$46.84		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$63.74	$87.16
Cranes & Mobile Concrete Pumps 150'-180'	$46.34		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$63.24	$86.41
Cranes & Mobile Concrete Pumps 180'-249'	$46.84		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$63.74	$87.16
Cranes & Mobile Concrete Pumps 249' and over	$47.09		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$63.99	$87.54
Apprentice	BHR	Percent										
1st Year	$22.92	$50.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$39.82	$51.28
2nd Year	$27.50	$60.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$44.40	$58.16
3rd Year	$32.09	$70.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$48.99	$65.03
4th Year	$36.67	$80.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$53.57	$71.91
Field Mechanic Trainee	$	$	$	$	$	$	$	$	$	$	$	$
1st Year	$27.50	$60.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$44.40	$58.16
2nd Year	$32.09	$70.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$48.99	$65.03
3rd Year	$36.67	$80.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$53.57	$71.91
4th Year	$41.26	$90.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$58.16	$78.78

(*)Special Calculation Note :

Other: Education & Safety Misc: National Training

Ratio :

For every (3) Operating Engineer Journeymen employed by the company there may be employed (1) Registered Apprentice or trainee Engineer through the referral when they are available. An apprenice, while employed as part of a crew per Article VIII, paragraph 77, will not be subject to the apprenticeship ratios in this collective bargaining agreement

Jurisdiction (* denotes special jurisdictional note) :

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, Jackson, Jefferson, Knox, Lawrence, Licking, Logan, Madison, Marion, Meigs, Mercer, Miami, Monroe, Montgomery, Morgan, Morrow, Muskingum, Noble, Ottawa, Paulding, Perry, Pickaway, Pike, Preble, Putnam, Richland, Ross, Sandusky, Scioto, Seneca, Shelby, Stark, Tuscarawas, Union, Van Wert, Vinton, Warren, Washington, Wayne, Williams, Wyandot

Special Jurisdictional Note :

Details :

Note: There will be a 10% increase for the apprentices on top of the percentages listed above provided they are operating mobile equipment. Group A- Barrier Moving Machines; Boiler Operators or Compressor Operators, when compressor or boiler is mounted on crane (Piggyback Operation); Boom Trucks (all types); Cableways Cherry Pickers; Combination - Concrete Mixers & Towers; All Concrete Pumps with Booms; Cranes (all types); Compact Cranes, track or rubber over 4,000 pounds capacity; Cranes self-erecting, stationary, track or truck (all configurations); Derricks (all types); Draglines; Dredges (dipper, clam or suction) 3-man crew; Elevating Graders or Euclid Loaders; Floating Equipment; Forklift (rough terrain with winch/hoist); Gradalls; Helicopter Operators, hoisting building materials; Helicopter Winch Operators, Hoisting building materials; Hoes (All types); Hoists (with two or more drums in use); Horizonal Directional Drill; Hydraulic Gantry (lift system); Laser Finishing Machines; Laser Screed and like equipment; Lift Slab or Panel Jack Operators; Locomotives (all types); Maintenance Operator/Technician(Mechanic Operator/Technician and/or Welder); Mixers, paving (multiple drum); Mobile Concrete Pumps, with booms; Panelboards, (all types on site); Pile Drivers; Power Shovels; Prentice Loader; Rail Tamper (with automatic lifting and aligning device); Rotary Drills (all), used on caissons for foundations and sub-structure; Side Booms; Slip Form Pavers; Straddle Carriers (Building Construction on site); Trench Machines (over 24” wide); Tug Boats. Group B - Articulating/end dumps (minus $4.00/hour from Group B rate); Asphalt Pavers; Bobcat-type and/or skid steer loader with hoe attachment greater than 7000 lbs.; Bulldozers; CMI type Equipment; Concrete Saw, Vermeer-type; Endloaders; Hydro Milling Machine; Kolman-type Loaders (Dirt Loading); Lead Greasemen; Mucking Machines; Pettibone-Rail Equipment; Power Graders; Power Scoops; Power Scrapers; Push Cats;, Rotomills (all), grinders and planers of all types. Group C - A-Frames; Air Compressors, Pressurizing Shafts or Tunnels; All Asphalt Rollers; Bobcat-type and/or Skid Steer Loader with or without attachments; Boilers (15 lbs. pressure and over); All Concrete Pumps (without booms with 5 inch system); Fork Lifts (except masonry); Highway Drills - all types (with integral power); Hoists (with one drum); House Elevators (except those automatic call button controlled), Buck Hoists, Transport Platforms, Construction Elevators; Hydro Vac/Excavator (when a second person is needed, the rate of pay will be “Class E”); Man Lifts; Material hoist/elevators; Mud Jacks; Pressure Grouting; Pump Operators (installing or operating Well Points or other types of Dewatering Systems); Pumps (4 inches and over discharge); Railroad Tie (Inserter/Remover); Rotovator (Lime-Soil Stabilizer); Submersible Pumps (4”and over discharge); Switch & Tie Tampers (without lifting and aligning device); Trench Machines (24” and under); Utility Operators. Group D - Backfillers and Tampers; Ballast Re-locator; Batch Plant Operators; Bar and Joint Installing Machines; Bull Floats; Burlap and Curing Machines; Clefplanes; Compressors, on building construction; Concrete Mixers, more than one bag capacity; Concrete Mixers, one bag capacity (side loaders); All Concrete Pumps (without boom with 4” or smaller system); Concrete Spreader; Conveyors, used for handling building materials; Crushers; Deckhands; Drum Fireman (in asphalt plants); Farm type tractors pulling attachments; Finishing Machines; Form Trenchers; Generators: Gunite Machines; Hydro-seeders; Pavement Breakers (hydraulic or cable); Post Drivers; Post Hole Diggers; Pressure Pumps (over 1/2”) discharge); Road Widening Trenchers; Rollers (except asphalt); Self-propelled sub-graders; Shotcrete Machines; Tire Repairmen; Tractors, pulling sheepsfoot post roller or grader; VAC/ALLS; Vibratory Compactors, with integral power; Welders. Group E – Allen Screed Paver (concrete); Boilers (less than 15 lbs. pressure); Cranes-Compact, track or rubber (under 4,000 pounds capacity); Directional Drill “Locator”; Fueling and greasing +$3.00; Inboard/outboard Motor Boat Launches; Light Plant Operators; Masonry Fork Lifts; Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalperson, Submersible Pumps (under 4” discharge). Master Mechanics - Master Mechanic Cranes 150’ – 180’ - Boom & Jib 150 - 180 feet Cranes 180’ – 249’ - Boom & Jib 180 - 249 feet Cranes 250’ and over - Boom & Jib 250 feet or over

Prevailing Wage Rate
Skilled Crafts

Name of Union: Operating Engineers - HevHwy Zone II

Type of Rate: Commercial

Change #: LCN01-2025ib

Craft: Operating Engineer

Effective Date: 5/1/2025

Effective Date: 5/1/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Operator Class A	$45.84		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$62.74	$85.66
Operator Class B	$45.72		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$62.62	$85.48
Operator Class C	$44.68		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$61.58	$83.92
Operator Class D	$43.50		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$60.40	$82.15
Operator Class E	$38.04		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$54.94	$73.96
Master Mechanic	$46.84		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$63.74	$87.16
Lift Director	$46.84		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$63.74	$87.16
Crane and Mobile Concrete Pump 150' - 179'	$46.34		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$63.24	$86.41
Crane and Mobile Concrete Pump 180' - 249'	$46.84		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$63.74	$87.16
Crane and Mobile Concrete Pump 250' and Ove	$47.09		$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$63.99	$87.54
Apprentice	BHR	Percent										
1st Year	$22.92	$50.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$39.82	$51.28
2nd Year	$27.50	$60.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$44.40	$58.16
3rd Year	$32.09	$70.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$48.99	$65.03
4th Year	$36.67	$80.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$53.57	$71.91
Field Mech Trainee	$	$	$	$	$	$	$	$	$	$	$	$
1st year	$27.50	$60.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$44.40	$58.16
2nd year	$32.09	$70.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$48.99	$65.03
3rd year	$36.67	$80.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$53.57	$71.91
4th year	$41.26	$90.00	$9.51	$6.25	$0.95	$0.00	$0.00	$0.09	$0.00	$0.10	$58.16	$78.78

(*)Special Calculation Note :

Other: Education & Safety Fund Misc: National Training

Ratio :

For every (3) Operating Engineer Journeymen employed by the company, there may be employed (1) Registered Apprentice or Trainee Engineer through the referral when they are available. An Apprentice, while employed as part of a crew per Article VIII, paragraph 68 will not be subject to the apprenticeship ratios in this collective bargaining agreement

Jurisdiction (* denotes special jurisdictional note) :

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, Putnam, Richland, Ross, Sandusky, Scioto, Seneca, Shelby, Stark, Tuscarawas, Union, Van Wert, Vinton, Warren, Washington, Wayne, Williams, Wood, Wyandot

Special Jurisdictional Note :

Details :

**Apprentices wilt receive a 10% increase on top of the percentages listed above provided they are operating mobile equipment. Class A - Air Compressors on Steel Erection; Asphalt Plant Engineers (Cleveland District Only); Barrier Moving Machine; Boiler Operators, Compressor Operators, or Generators, when mounted on a rig; Boom Trucks (all types); Cableways; Cherry Pickers; Combination- Concrete Mixers & Towers; Concrete Plants (over 4 yd capacity); Concrete Pumps; Cranes (all types); Compact Cranes track or rubber over 4,000 pounds capacity; Cranes self-erecting stationary, track or truck; Derricks (all types); Draglines; Dredges dipper, clam or suction; Elevating Graders or Euclid Loaders; Floating Equipment (all types); Gradalls; Helicopter Crew (Operator- hoist or winch); Hoes (all types); Hoisting Engines; Hoisting Engines, on shaft or tunnel work; Hydraulic Gantry (lifting system); Industrial-type Tractors; Jet Engine Dryer (D8 or D9) diesel Tractors; Locomotives (standard gauge); Maintenance Operators/Technicians (class A); Mixers, paving (single or double drum); Mucking Machines; Multiple Scrapers; Piledriving Machines (all types); Power Shovels, Prentice Loader; Quad 9 (double pusher); Rail Tamper (with automatic lifting and aligning device); Refrigerating Machines (freezer operation); Rotary Drills, on caisson work; Rough Terrain Fork Lift with winch/hoist; Side Booms; Slip Form Pavers; Survey Crew Party Chiefs; Tower Derricks; Tree Shredders; Trench Machines (over 24" wide); Truck Mounted Concrete Pumps; Tug Boats; Tunnel Machines and /or Mining Machines; Wheel Excavators. Class B - Asphalt Pavers; Automatic Subgrade Machines, self-propelled (CMI-type); Bobcat-type and /or Skid Steer Loader with hoe attachment greater than 7000 lbs.; Boring Machine Operators (more than 48 inches); Bulldozers; Concrete Saws, Vermeer type; Endloaders; Horizontal Directional Drill (50,000 ft. lbs. thrust and over); Hydro Milling Machine; Kolman-type Loaders (production type-dirt); Lead Greasemen; Lighting and Traffic Signal Installation Equipment includes all groups or classifications; Maintenance Operators/Technicians, Class B; Material Transfer Equipment (shuttle buggy) Asphalt; Pettibone-Rail Equipment; Power Graders; Power Scrapers; Push Cats; Rotomills (all), Grinders and Planners of all types, Groovers (excluding walk-behinds); Trench Machines (24 inch wide and under). Class C - A-Frames; Air Compressors, on tunnel work (low Pressure); Articulating/straight bed end dumps if assigned (minus $4.00 per hour); Asphalt Plant Engineers (Portage and Summit Counties only); Bobcat-type and/or skid steer loader with or without attachments; Drones; Highway Drills (all types); HydroVac/Excavator (when a second person is needed, the rate of pay will be "Class E"); Locomotives (narrow gauge); Material Hoist/Elevators; Mixers, concrete (more than one bag capacity); Mixers, one bag capacity (side loader); Power Boilers (over 15 lbs. pressure); Pump Operators (installing or operating well Points); Pumps (4 inch and over discharge); Railroad Tie Inserter/Remover; Rollers, Asphalt; Rotovator (lime-soil Stabilizer); Switch & Tie Tampers (without lifting and aligning device); Utilities Operators, (small equipment); Welding Machines and Generators. Class D – Backfillers and Tampers; Ballast Re-locator; Bar and Joint Installing Machines; Batch Plant Operators; Boring Machine Operators (48 inch or less); Bull Floats; Burlap and Curing Machines; Concrete Plants (capacity 4 yds. and under); Concrete Saws (multiple); Conveyors (highway); Crushers; Deckhands; Farm type tractors, with attachments (highway); Finishing Machines; Firemen, Floating Equipment (all types); Fork Lifts (highway), except masonry; Form Trenchers; Hydro Hammers; Hydro Seeders; Pavement Breakers (hydraulic or cable); Plant Mixers; Post Drivers; Post Hole Diggers; Power Brush Burners; Power Form Handling Equipment; Road Widening Trenchers; Rollers (brick, grade, macadam); Self-Propelled Power Spreaders; Self-Propelled Sub-Graders; Steam Firemen; Survey Instrument men; Tractors, pulling sheepsfoot rollers or graders; Vibratory Compactors, with integral power. Class E - Compressors (portable, Sewer, Heavy and Highway); Cranes-Compact, track or rubber under 4,000 pound capacity; Drum Firemen (asphalt plant); Fueling and greasing (Primary Operator with Specialized CDL Endorsement Add $3.00/hr); Generators; Inboard-Outboard Motor Boat Launches; Masonry Fork Lifts; Oil Heaters (asphalt plant); Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalperson; Survey Rodmen or Chairmen; Tire Repairmen; VAC/ALLS. Master Mechanic - Master Mechanic Cranes and Mobile Concrete Pumps 150' -179' - Boom & Jib 150 - 179 feet Cranes and Mobile Concrete Pumps 180' - 249' - Boom & Jib 180 - 249 feet Cranes and Mobile Concrete Pumps 250' and over - Boom & Jib 250 feet or over

Prevailing Wage Rate
Skilled Crafts

Name of Union: Painter Local 1275

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025sks	Painter	10/23/2025	10/23/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Brush, Roll & Wall Washing	$27.91		$6.80	$10.30	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$45.36	$59.32
Apprentice	BHR	Percent										
0-1500 hrs	$22.33	$80.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$30.43	$41.59
1501-3000 hrs	$23.72	$85.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$31.82	$43.68
3001-4500 hrs	$25.12	$90.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$33.22	$45.78
4501-6000 hrs	$26.51	$95.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$34.61	$47.87

(*)Special Calculation Note :

A premium for “Structural Steel, Swingstage” shall pay $.30 per hour worked.
A premium for “Spray” shall pay $.75 per hour worked.
A premium for “Vinyl Hanging” shall pay $.75 per hour worked.
A premium for “Sandblast, steamclean, water blast (Above 3500 psi) and hazardous” shall pay $.70 per hour worked.

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Delaware, Fairfield, Fayette, Franklin, Knox, Licking, Madison, Muskingum, Perry, Pickaway, Ross, Union

Special Jurisdictional Note :

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Painter Local 1275 Drywall

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2024ib	Painter	5/8/2024	5/8/2024

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Drywall Finisher	$30.85		$6.50	$8.31	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$46.11	$61.54
Drywall Taper	$30.85		$6.50	$8.31	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$46.11	$61.54
Drywall Sanders	$30.20		$6.50	$8.31	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$45.46	$60.56
Drywall, Use of Mechanical or Pneumatic Tools	$31.60		$6.50	$8.31	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$46.86	$62.66
Apprentice	BHR	Percent										
1st 0-1500 hrs	$24.68	$80.00	$6.50	$0.77	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$32.40	$44.74
2nd 1501-3000 hrs	$26.22	$85.00	$6.50	$0.77	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$33.94	$47.05
3rd 3001-4500 hrs	$27.77	$90.00	$6.50	$0.77	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$35.49	$49.37
4th 4501-6000 hrs	$29.31	$95.00	$6.50	$0.77	$0.45	$0.00	$0.00	$0.00	$0.00	$0.00	$37.03	$51.68

(*)Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Delaware, Fairfield, Fayette, Franklin, Knox, Licking, Madison, Muskingum, Perry, Pickaway, Ross, Union

Special Jurisdictional Note :

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Painter Local 1275 HevHwy

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025sks	Painter	10/23/2025	10/23/2025

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Bridge Class 1 Bridge Blaster	$37.97	$6.80	$10.30	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$55.42	$74.41
Painter Bridges Class 2 Rigger, Containment Builder, Spot Blaster	$34.97	$6.80	$10.30	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$52.42	$69.91
Painter Bridges Class 3 Equipment Operator/ Field Mechanic, Grit Reclamation, Paint Mix, Traffic Control, Boat Person, Driver (0-5 Years Exp.)	$27.97	$6.80	$10.30	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$45.42	$59.41
Painter Bridges Class 3 Equipment Operator/ Field Mechanic, Grit Reclamation, Paint Mix, Trafiic Control, Boat Person, Driver (plus 5 Years Exp.)	$30.97	$6.80	$10.30	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$48.42	$63.91

Painter Bridges Class 4 Concrete Sealing, Concrete Blasting Power Washing	$26.97		$6.80	$10.30	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$44.42	$57.91
Painter Bridges Class 5 Quality Control, Quality Assurance, Traffic Safety Competent Person	$30.97		$6.80	$10.30	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$48.42	$63.91
Apprentice	BHR	Percent										
1st 0-1500 hrs	$30.38	$80.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$38.48	$53.67
2nd 1501-3000 hrs	$32.27	$85.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$40.37	$56.51
3rd 3001-4500 hrs	$34.17	$90.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$42.27	$59.36
4th 4501-6000 hrs	$36.07	$95.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$44.17	$62.21

(*)Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Delaware, Fairfield, Fayette, Franklin, Knox, Licking, Madison, Muskingum, Perry, Pickaway, Ross, Union

Special Jurisdictional Note :

Details :

Heavy Highway Class 1 are qualified painters,blasters,riggers. Class 2 Equipment Tenders /or containment Builders are hired to tend employers equipment also engage in the building & moving of containment systems. Class 3 support personnel will perform Quality control duties,clean abrasive blast materials, load and unload trucks, handle all materials, man safety boats, & handle traffic control. NACE Level I, II, III or equivalent with at least five (5) years Journeyman QC experience shall pay Class 5 rate plus premium of $4.00 per hour worked.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Painter Local 1275 Industrial

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025sks	Painter	10/23/2025	10/23/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Painter Brush Roll	$29.36		$6.80	$10.30	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$46.81	$61.49
Apprentice	BHR	Percent										
0-1500 hrs	$23.49	$80.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$31.59	$43.34
1501-3000 hrs	$24.96	$85.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$33.06	$45.54
3001-4500 hrs	$26.42	$90.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$34.52	$47.73
4501-6000 hrs	$27.89	$95.00	$6.80	$0.95	$0.35	$0.00	$0.00	$0.00	$0.00	$0.00	$35.99	$49.94

(*)Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Delaware, Fairfield, Fayette, Franklin, Knox, Licking, Madison, Muskingum, Perry, Pickaway, Ross, Union

Special Jurisdictional Note :

Details :

Definition of Industrial Classification: Industrial Facilities to be included in the Industrial Classification shall include; Water Treatment, Waste Water Treatment, Natural Gas and related facilities, refineries, transmission pipe lines, electrical transmission towers and or switching /sub stations and Power Plants. Exclusions from the industrial classification are Power Plants that generate power to a single customer; such as an emergency power supplier or a Hospital, Information Technology Facility, Sporting/Event or Arena/Stadium type facility. This exclusion would also be given to any commercial office space located within the facilities property. The excluded spaces shall be done under the Commercial Wage rates.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Painter Local 639 Sign and Display

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Painter	6/18/2025	6/18/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Top Mechanic Class A	$27.53		$4.50	$0.00	$0.00	$0.00	$0.00	$1.45	$0.00	$0.00	$33.48	$47.25
Top Mechanic Class B	$27.53		$4.50	$0.75	$0.00	$0.53	$0.00	$1.45	$0.00	$0.00	$34.76	$48.53
Top Helper Class A	$22.33		$4.50	$0.00	$0.00	$0.00	$0.00	$1.20	$0.00	$0.00	$28.03	$39.20
Top Helper Class B	$22.33		$4.50	$0.75	$0.00	$0.43	$0.00	$1.20	$0.00	$0.00	$29.21	$40.38
Helper Class A	$17.19		$4.50	$0.00	$0.00	$0.00	$0.00	$0.90	$0.00	$0.00	$22.59	$31.19
Helper Class B	$17.19		$4.50	$0.75	$0.00	$0.30	$0.00	$0.90	$0.00	$0.00	$23.64	$32.24
New Hire (90 Days)	$15.75		$4.50	$0.00	$0.00	$0.00	$0.00	$0.55	$0.00	$0.00	$20.80	$28.68
Apprentice	BHR	Percent										

(*)Special Calculation Note :

Other: Sick, Personal & Holiday Pay Swing Stage Rate: Employees shall receive a differential of $1.50 per hour for all hours worked on scaffolds four sections or higher, including any boom lifts and swing stage scaffolds. In addition, the rigging and derigging of hanging/suspended swing stage systems and rappelling/bolson chair work of a single employee will qualify for $1.50 differential, will be paid to a single lead Top Mechanic or single lead Top Helper on any given swing stage job, even when it includes multiple running rigs on a single jobsite.

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

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, Wyandot

Special Jurisdictional Note :

Details :

The work performed by employees covered by this rate shall include cleaning and refinishing of architectural metals using chemicals, solvents, coatings and hand-applied lacquer thinner, removing scratches from mirror finished metals, burnishing of bronze, statuary finishes on exterior and interior surfaces during the course of the restoration and maintenance of architectural metals, and other specialty metal finishing work, and the use of all tools required to perform such work, including but not limited to polishes, spray equipment and scaffolding. Class A: Less Than 1 Year of Service Class B: More Than 1 Year of Service Top Mechanic: Top Mechanic shall be responsible for ensuring the highest quality of workmanship by Helpers, and be highly competent and knowledgeable in the following areas: coatings, both solvent and waterborne, spraying ability, stainless steel, aluminum and bronze finishing, scaffolding and swing stage work. The Top Mechanic shall also be responsible for providing necessary training of employees in lower classifications and for directing all employees in his/her crew to perform their responsibilities in a productive and efficient manner. Top Helper: For existing Top Helpers at the time of this Agreement shall, in addition to performing the responsibilities of a Helper, be responsible and accountable for the setup, breakdown, safety and quality of the Company's product. Helper: A Helper shall be responsible for performing tasks in refinishing, compliance with safety procedures, setting up and breaking down job sites, setting up and breaking down scaffolding and swing stages, preparing surfaces for refinishing, including but not limited to masking and stripping, cleaning, oxidizing, polishing and scratch removal on various finishes.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Painter Local 639 Zone 2 Sign

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Painter	5/28/2025	5/28/2025

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Sign Journeyman Tech/Team Leader Class A	$26.56	$3.36	$0.21	$0.00	$0.00	$0.00	$0.72	$0.00	$0.00	$30.85	$44.13
Painter Sign Journeyman Tech/Team Leader Class B	$26.56	$3.36	$0.21	$0.00	$0.51	$0.00	$0.72	$0.00	$0.00	$31.36	$44.64
Painter Sign Journeyman Tech/Team Leader Class C	$26.56	$3.36	$0.21	$0.00	$1.02	$0.00	$0.72	$0.00	$0.00	$31.87	$45.15
Painter Sign Journeyman Tech/Team Leader Class D	$26.56	$3.36	$0.21	$0.00	$1.53	$0.00	$0.72	$0.00	$0.00	$32.38	$45.66
Sign Journeyman Class A	$26.27	$3.36	$0.21	$0.00	$0.00	$0.00	$0.71	$0.00	$0.00	$30.55	$43.69
Sign Journeyman Class B	$26.27	$3.36	$0.21	$0.00	$0.51	$0.00	$0.71	$0.00	$0.00	$31.06	$44.20
Sign Journeyman Class C	$26.27	$3.36	$0.21	$0.00	$1.01	$0.00	$0.71	$0.00	$0.00	$31.56	$44.70
Sign Journeyman Class D	$26.27	$3.36	$0.21	$0.00	$1.52	$0.00	$0.71	$0.00	$0.00	$32.07	$45.21
Tech Sign Fabrication/ Erector Class A	$20.67	$3.36	$0.21	$0.00	$0.00	$0.00	$0.56	$0.00	$0.00	$24.80	$35.14
Tech Sign Fabrication/ Erector Class B	$20.67	$3.36	$0.21	$0.00	$0.40	$0.00	$0.56	$0.00	$0.00	$25.20	$35.54

Tech Sign Fabrication/ Erector Class C	$20.67		$3.36	$0.21	$0.00	$0.80	$0.00	$0.56	$0.00	$0.00	$25.60	$35.94
Tech Sign Fabrication/ Erector Class D	$20.67		$3.36	$0.21	$0.00	$1.19	$0.00	$0.56	$0.00	$0.00	$25.99	$36.33
Apprentice	BHR	Percent										

(*)Special Calculation Note :

Other is for paid holidays.

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

Adams, Allen, Auglaize, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Darke, Defiance, Delaware, Erie, Fairfield, Fayette, Franklin, Fulton, Greene, Hamilton, Hancock, Hardin, Henry, Highland, Holmes, Huron, Jackson, Knox, Licking, Logan, Lorain, Lucas, Madison, Mahoning, Marion, Mercer, Miami, Montgomery, Morrow, Muskingum, Ottawa, Paulding, Perry, Pickaway, Pike, Preble, Putnam, Ross, Sandusky, Scioto, Seneca, Shelby, Stark, Trumbull, Tuscarawas, Union, Van Wert, Warren, Wayne, Williams, Wood, Wyandot

Special Jurisdictional Note :

Details :

Class A: less that 1 year. Class B: 1-3 years. Class C; 3-10 years. Class D: More than 10 years.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Plasterer Local 132 (Columbus)

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Plasterer	6/1/2025	6/1/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Plasterer	$31.68		$8.20	$4.70	$0.50	$0.00	$2.00	$0.06	$0.00	$0.00	$47.14	$62.98
Fireproofing Gunner	$32.68		$8.20	$4.70	$0.50	$0.00	$2.00	$0.06	$0.00	$0.00	$48.14	$64.48
Apprentice	BHR	Percent										
1st 800 hrs	$22.18	$70.00	$8.20	$4.70	$0.50	$0.00	$2.00	$0.06	$0.00	$0.00	$37.64	$48.72
2nd 800 hrs	$23.44	$74.00	$8.20	$4.70	$0.50	$0.00	$2.00	$0.06	$0.00	$0.00	$38.90	$50.62
3rd 800 hrs	$24.71	$78.00	$8.20	$4.70	$0.50	$0.00	$2.00	$0.06	$0.00	$0.00	$40.17	$52.53
4th 800 hrs	$25.98	$82.00	$8.20	$4.70	$0.50	$0.00	$2.00	$0.06	$0.00	$0.00	$41.44	$54.43
5th 800 hrs	$27.24	$86.00	$8.20	$4.70	$0.50	$0.00	$2.00	$0.06	$0.00	$0.00	$42.70	$56.33
6th 800 hrs	$28.51	$90.00	$8.20	$4.70	$0.50	$0.00	$2.00	$0.06	$0.00	$0.00	$43.97	$58.23
7th 800 hrs	$29.78	$94.00	$8.20	$4.70	$0.50	$0.00	$2.00	$0.06	$0.00	$0.00	$45.24	$60.13
8th 800 hrs	$31.05	$98.00	$8.20	$4.70	$0.50	$0.00	$2.00	$0.06	$0.00	$0.00	$46.51	$62.03

(*)Special Calculation Note :

*Other is International Training Fund

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Ashland, Coshocton, Crawford, Delaware, Fairfield, Fayette, Franklin, Guernsey, Hocking, Knox, Licking, Madison, Marion, Morrow, Muskingum, Perry, Pickaway, Richland, Ross, Union, Vinton, Wyandot

Special Jurisdictional Note :

Details :

Fireproofing Gunner: If any mechanical means is used in the gauging of lime for any finish coat, the mixing shall be gauged by a member of the crew who is to apply the respective gauging. This clause applies on jobs where cementitious and fibrous type fireproofing is the material being applied. There shall be an equal number of plasterers to nozzles used. Working on swing stage, slip scaffold or window jack scaffold shall receive the following rates: $0 above the regular rate for heights up to forty-nine (49) feet above grade level $0.75 above the regular rate for heights over fifty (50) feet above grade level

Prevailing Wage Rate
Skilled Crafts

Name of Union: Plumber Pipefitter Local 189

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2024ib	Plumber Pipefitter	8/21/2024	8/21/2024

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Plumber Pipefitter	$49.00		$10.39	$7.49	$1.45	$0.00	$8.26	$0.00	$0.00	$0.00	$76.59	$101.0
Heating Piping Refrigeration, Temperature Control, Air Conditioning Welder	$49.00		$10.39	$7.49	$1.45	$0.00	$8.26	$0.00	$0.00	$0.00	$76.59	$101.09
Apprentice	BHR	Percent										
1st Year	$22.05	$45.00	$5.00	$0.00	$1.45	$0.00	$0.00	$0.10	$0.00	$0.00	$28.60	$39.63
2nd Year	$24.50	$50.00	$10.39	$5.60	$1.45	$0.00	$0.00	$0.10	$0.00	$0.00	$42.04	$54.29
3rd Year	$26.95	$55.00	$10.39	$5.60	$1.45	$0.00	$0.00	$0.10	$0.00	$0.00	$44.49	$57.97
4th Year	$31.85	$65.00	$10.39	$5.60	$1.45	$0.00	$6.26	$0.10	$0.00	$0.00	$55.65	$71.58
5th Year	$39.20	$80.00	$10.39	$5.60	$1.45	$0.00	$8.26	$0.10	$0.00	$0.00	$65.00	$84.60

(*)Special Calculation Note :

*Other is International Training

Ratio :

Employees-------Journeyman to Apprentice per Job 1) 1-0 2) 1-1 3) 2-1 4) 2-2 5) 3-2 6) 4-2 7) 4-3 8) 5-3 9) 6-3 10) 6-4 11) 7-4 12) 8-4 13) 8-5 14) 9-5 15) 10-5 16) 10-6 17) 11-6 18) 12-6 19) 12-7 20) 13-7 21) 14-7 22) 14-8 23) 15-8 24) 16-8 25) 16-9 Heating Piping refrigeration,Temperature Control,Air Conditioning Ratio (1) Additional Apprentice to (3) Journeymen thereafter Employees Journeyman to Apprentice per Job 1) Employee 1-0 2) Employees 1-1 3) Employees 2-1 4) Employees 2-2 5)Employees 3-2 6) Employees 4-2 7) Employees 5-2 8) Employees 5-3 9) Employees 6-3 10)Employees 7-3 11)Employees 8-3 12)Employees 8-4 13)Employees 9-4 14)Employees 10-4 15)Employees 11-4 16) Employees 11-5 17) Employees 12-5 18) Employees 13-5 19) Employees 14-5 20)Employees 14-6 21)Employees 15-6 22)Employees 17-5 23)Employees 18-5 24)Employees 18-6 25)Employees 19-6 26)Employees 20-6 28)Employees 22-6 29)Employees 22-7 30) Employees 23-7 31)Employees 23-7 32) Employees 25-7 33)Employees 26-7 34)Employees 26-8

Jurisdiction (* denotes special jurisdictional note) :

Delaware, Fairfield, Franklin, Hocking, Licking, Madison, Marion, Perry, Pickaway, Ross, Union

Special Jurisdictional Note :

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Roofer Local 86

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Roofer	9/3/2025	9/3/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Roofer	$38.33		$8.20	$7.40	$0.88	$0.00	$0.30	$0.09	$0.00	$0.00	$55.20	$74.36
Apprentice	BHR	Percent										
1st Year	$24.91	$65.00	$0.00	$0.00	$0.88	$0.00	$0.25	$0.09	$0.00	$0.00	$26.13	$38.59
2nd Year	$27.60	$72.00	$8.20	$1.85	$0.88	$0.00	$0.25	$0.09	$0.00	$0.00	$38.87	$52.67
3rd Year	$30.66	$80.00	$8.20	$3.33	$0.88	$0.00	$0.25	$0.09	$0.00	$0.00	$43.41	$58.74
4th Year	$33.73	$88.00	$8.20	$4.81	$0.88	$0.00	$0.25	$0.09	$0.00	$0.00	$47.96	$64.83

(*)Special Calculation Note :

Other: Education & Research Fund

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Champaign, Delaware, Fairfield, Fayette, Franklin, Hardin, Hocking, Knox, Licking, Logan, Madison, Marion, Morrow, Perry, Pickaway, Pike, Ross, Union, Wyandot

Special Jurisdictional Note :

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Sheet Metal Local 24 (Columbus)

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Sheet Metal Worker	6/11/2025	6/11/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sheet Metal Worker	$41.10		$10.23	$12.56	$1.26	$0.00	$4.12	$0.00	$0.00	$0.00	$69.27	$89.82
Apprentice	BHR	Percent										
1st Year	$23.43	$57.00	$8.42	$2.19	$1.05	$0.00	$0.00	$0.00	$0.00	$0.00	$35.09	$46.80
2nd Year	$26.72	$65.00	$9.61	$8.17	$1.05	$0.00	$0.00	$0.00	$0.00	$0.00	$45.55	$58.90
3rd Year	$30.83	$75.00	$9.84	$9.42	$1.26	$0.00	$3.09	$0.00	$0.00	$0.00	$54.44	$69.85
4th Year	$34.94	$85.00	$9.99	$10.67	$1.26	$0.00	$3.50	$0.00	$0.00	$0.00	$60.36	$77.82

(*)Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice 2 Journeymen to 2 Apprentices 3 Journeymen to 3 Apprentices 4 Journeymen to 4 Apprentices 5-7 Journeymen to 5 Apprentices 8-10 Journeymen to 6 Apprentices 11-13 Journeyman to 7 Apprentices 14-16 Journeyman to 8 Apprentices 17-19 Journeymen to 9 Apprentices 20-22 Journeymen to 10 Apprentices 23-25 Journeymen to 11 Apprentices 26-28 Journeymen to 12 Apprentices 29-31 Journeymen to 13 Apprentices 32-34 Journeymen to 14 Apprentices 35-37 Journeymen to 15 Apprentices 38-40 Journeymen to 16 Apprentices and so on

Jurisdiction (* denotes special jurisdictional note) :

Adams, Athens, Delaware, Fairfield, Fayette, Franklin, Gallia, Guernsey, Hocking, Jackson, Knox, Lawrence, Licking, Madison, Marion, Meigs, Morgan, Morrow, Muskingum, Noble, Perry, Pickaway, Pike, Ross, Scioto, Union, Vinton

Special Jurisdictional Note :

Details :

Prevailing Wage Rate
Skilled Crafts

Name of Union: Sprinkler Fitter Local 669

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCR01-2025ib	Sprinkler Fitter	8/6/2025	8/6/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sprinkler Fitter	$48.28		$12.40	$7.40	$0.54	$0.00	$7.74	$0.00	$0.00	$0.00	$76.36	$100.5
Apprentice	BHR	Percent										
CLASS 1	$24.14	$50.00	$9.03	$0.00	$0.54	$0.00	$0.00	$0.00	$0.00	$0.00	$33.71	$45.78
CLASS 2	$27.04	$56.00	$9.03	$0.00	$0.54	$0.00	$0.00	$0.00	$0.00	$0.00	$36.61	$50.13
CLASS 3	$29.45	$61.00	$12.40	$7.40	$0.54	$0.00	$1.15	$0.00	$0.00	$0.00	$50.94	$65.66
CLASS 4	$31.38	$65.00	$12.40	$7.40	$0.54	$0.00	$1.15	$0.00	$0.00	$0.00	$52.87	$68.56
CLASS 5	$33.31	$69.00	$12.40	$7.40	$0.54	$0.00	$1.40	$0.00	$0.00	$0.00	$55.05	$71.70
CLASS 6	$36.21	$75.00	$12.40	$7.40	$0.54	$0.00	$1.40	$0.00	$0.00	$0.00	$57.95	$76.05
CLASS 7	$38.14	$79.00	$12.40	$7.40	$0.54	$0.00	$1.40	$0.00	$0.00	$0.00	$59.88	$78.95
CLASS 8	$40.56	$84.00	$12.40	$7.40	$0.54	$0.00	$1.40	$0.00	$0.00	$0.00	$62.30	$82.58
CLASS 9	$42.97	$89.00	$12.40	$7.40	$0.54	$0.00	$1.40	$0.00	$0.00	$0.00	$64.71	$86.19
CLASS 10	$44.90	$93.00	$12.40	$7.40	$0.54	$0.00	$1.40	$0.00	$0.00	$0.00	$66.64	$89.09

(*)Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Adams, Allen, Ashland, Ashtabula, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Darke, Defiance, Delaware, Erie, Fairfield, Fayette, Franklin, Fulton, Gallia, Greene, Guernsey, Hamilton, Hancock, Hardin, Harrison, Henry, Highland, Hocking, Holmes, Huron, Jackson, Jefferson, Knox, Lawrence, Licking, Logan, 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, Wyandot

Special Jurisdictional Note :

Details :

Sprinkler Fitter work shall consist of the installation, dismantling, maintenance, repairs, adjustments, and corrections of all fire protection and fire control systems including the unloading, handling by hand, power equipment and installation of all piping or tubing, appurtenances and equipment pertaining thereto, including both overhead and underground water mains, fire hydrants and hydrant mains, standpipes and hose connections to sprinkler systems used in connection with sprinkler and alarm systems. Also all tanks and pumps connected thereto, also included shall be CO-2 and Cardox Systems, Dry Chemical Systems, Foam Systems and all other fire protection systems.

Prevailing Wage Rate
Skilled Crafts

Name of Union: Truck Driver Locals 20,40,92,100,175,284,348,377,637,697,908,957 - Bldg & HevHwy Class 1

Type of Rate: Commercial

Change #:
LCN01-2025ib

Craft:
Truck Driver

Effective Date:
5/28/2025

Effective Date:
5/28/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Truck Driver CLASS 1	$34.26		$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$53.51	$70.64
Apprentice	BHR	Percent										
First 6 months	$27.41	$80.00	$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$46.66	$60.36
7-12 months	$29.12	$85.00	$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$48.37	$62.93
13-18 months	$30.83	$90.00	$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$50.08	$65.50
19-24 months	$32.55	$95.00	$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$51.80	$68.07
25-30 months	$34.26	$100.00	$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$53.51	$70.64

(*)Special Calculation Note :

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Adams, Allen, Ashland, Ashtabula, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Darke, Defiance, Delaware, Erie, Fairfield, Fayette, Franklin, Fulton, Gallia, Greene, Guernsey, Hamilton, Hancock, Hardin, Harrison, Henry, Highland, Hocking, Holmes, Huron, Jackson, Jefferson, Knox, 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, Wyandot

Special Jurisdictional Note :

Details :

CLASS 1: Drivers on trucks, including but not limited to: 4-wheel service trucks; 4-wheel dump trucks; batch trucks; drivers on tandems; truck sweepers (not to include power sweepers and scrubbers) Drivers on tractor – trailer combinations including but not limited to the following: Semi-tractor trucks; pole trailers; ready-mix trucks; fuel trucks; all trucks five (5) axle and over; drivers on belly dumps; truck mechanics (when needed).

Prevailing Wage Rate
Skilled Crafts

Name of Union: Truck Driver Locals 20,40,92,100,175,284,348,377,637,697,908,957 - Bldg & HevHwy Class 2

Type of Rate: Commercial

Change #:	**Craft:**	**Effective Date:**	**Effective Date:**
LCN01-2025ib	Truck Driver	5/28/2025	5/28/2025

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Truck Driver CLASS 2	$35.26		$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$54.51	$72.14
Apprentice	BHR	Percent										
First 6 months	$28.21	$80.00	$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$47.46	$61.56
7-12 months	$29.97	$85.00	$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$49.22	$64.21
13-18 months	$31.73	$90.00	$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$50.98	$66.85
19-24 months	$33.50	$95.00	$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$52.75	$69.50
25-30 months	$35.26	$100.00	$9.25	$9.60	$0.40	$0.00	$0.00	$0.00	$0.00	$0.00	$54.51	$72.14

(*)Special Calculation Note :

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

Adams, Allen, Ashland, Ashtabula, Athens, Auglaize, Belmont, Brown, Butler, Carroll, Champaign, Clark, Clermont, Clinton, Columbiana, Coshocton, Crawford, Darke, Defiance, Delaware, Erie, Fairfield, Fayette, Franklin, Fulton, Gallia, Greene, Guernsey, Hamilton, Hancock, Hardin, Harrison, Henry, Highland, Hocking, Holmes, Huron, Jackson, Jefferson, Knox, 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, Wyandot

Special Jurisdictional Note :

Details :

CLASS 2: Drivers on articulated dump trucks; rigid-frame rock trucks; distributor trucks; low boys/drag driver on the construction site only and heavy duty equipment (irrespective of load carried) when used exclusively for transportation on the construction site only.

Department of Commerce
Division of Industrial Compliance

Affidavit of Compliance

Prevailing Wages

I, _____
(Name of person signing affidavit) (Title)

do hereby certify that the wages paid to all employees of

_____
(Company Name)

for all hours worked on the

_____
(Project name and location)

project, during the period from _____ to _____ are in
(Project Dates)

compliance with prevailing wage requirements of Chapter 4115 of the Ohio Revised Code. I further certify that no rebates or deductions have been or will be made, directly or indirectly, from any wages paid in connection with this project, other than those provided by law.

_____
(Signature of Officer or Agent)

Sworn to and subscribed in my presence this _____ day of _____, 20_____.

_____ (Notary Public)

The above affidavit must be executed and sworn to by the officer or agent of the contractor or subcontractor who supervises the payment of employees. This affidavit must be submitted to the owner (public authority) before the surety is released or final payment due under the terms of the contract is made.

Bureau of Wage and Hour Administration
6606 Tussing Road
Reynoldsburg, OH 43068-9009
LAW1003
3/2019

614-644-2239
Fax 614-728-8639
TTY/TDD 800-750-0750
com.ohio.gov

An Equal Opportunity Employer and Service Provider

APPENDIX C

DOCUMENTS TO BE SUBMITTED WITH BID

General Info

Alt Total:

Total:

$2,312,006.80

Number

ST-1121 Taylor Road Water Main Replacement

Deadline

11/20/2025 02:00 PM EST

Vendor

Shelly & Sands, Inc.

Submitted

11/20/2025 12:46 PM EST

Signed by

Jeff Schultz

Opened

11/20/2025 02:14 PM EST

By

angela.roth@gahanna.gov

Description

This project consists of water main replacement, sidewalk and curb ramp replacement. A Pre-bid meeting is set for October 31st at 10am at 200 South Hamilton Road, Gahanna.

Allows zero unit prices and labor

Yes

Allows negative unit prices and labor

No

VENDOR RESOURCES

Vendor Resources Page
Informational page containing instructional videos for vendors.

BidExpress Customer Support Team
Customer support contact. Available Monday-Friday from 7:00am-8:00pm eastern time.

ATTACHMENT LIST

Appendix A - Supplemental Specifications Taylor Road.pdf (187 KB)

Appendix B-1 Prevailing Wage Project Registration.pdf (163 KB)

Appendix B-2 Pravailing Wage Threshold Quick Refenece.pdf (214 KB)

Appendix B-3 Bid TabSheet.pdf (38.7 KB)

Appendix B-4 Certified Payroll Reports Example and Instruction.pdf (361 KB)

Appendix B-5 PrevailingWages_10232025.pdf (297 KB)

Appendix B-6 Affdavit of Compliance.pdf (153 KB)

Appendix D -Taylor Road Plan Set.pdf (19.9 MB)

Appendix E -1 Owner Contractor Agreement and Admin Docs.pdf (281 KB)

Appendix F -1 CMS Supplement.vGahanna.pdf (79 KB)

Appendix F-2 ODOT Manual Supplement.pdf (82.7 KB)

Appendix C - Bid Guaranty and Contract Bond.pdf (10.8 KB)

Bid Addendum 1 Combined.pdf (3.68 MB)

Addendum #2 Taylor Road Water Main ST-1121.pdf (1.47 MB)

REVISED 1-Bid Package & Notice to Bidders PDT.pdf (259 KB)

REVISED Appendix E-2 - Gahanna General Conditions 2025 PDT.pdf (768 KB)

Addendum #3 Taylor Road Water Main ST-1121.pdf (613 KB)

Addendum #4 Taylor Road Water Main ST-1121.pdf (68.8 KB)

PREVAILING WAGE RATES

Current Prevailing Wage Rates are to be included in the contract. The current rates become part of the contract awarded to the lowest and best bidder. The links listed below provide access to forms, regulations, and general information on prevailing wage compliance. These are for information purposes only.

Prevailing Wage Rates

Forms & Publications

CONTRACTOR'S QUALIFICATION STATEMENT

The bidder is required to state the following in full detail as will enable the Director of Public Service and Engineering and Council of the City of Gahanna to judge its responsibility, experience, skill and financial standing to meet the obligations of the Contract.

ORGANIZATION:

(a) Number of years your organization has been in business as a Contractor: *

81

(b) Number of years your organization has been in business under its present business name. List any other or former names your organization has operated under. *

81

(c) If your organization is a corporation, list the following: date of incorporation, state of incorporation, President's name, Vice President's name(s), Secretary's name and Treasurer's name. If not applicable, state "not applicable." *

3/2/1944
Ohio
Colby J. Graham (President)
Mark W. Mills (Sr. Vice-President)
Brian E. Anderson (Secretary/Treasurer)

(d) If your organization is a partnership, list the following: date of organization, type of partnership (if applicable) and name(s) of general partner(s). If not applicable, state "not applicable." *

NA

(e) If your organization is individually owned, list the following: date of organization and name of owner. If not applicable, state "not applicable." *

NA

(f) If the form of your organization is other than those listed above, describe it and name the principals. If not applicable, state "not applicable." *

NA

LICENSING:

(a) List jurisdictions and trade categories in which your organization is legally qualified to do business, and indicate registration or license numbers, if applicable. *

Ohio, ODOT, Columbus

(b) List jurisdictions in which your organization's partnership or trade name is filed. *

Ohio, ODOT, Columbus

EXPERIENCE:

(a) List the categories of work that your organization normally performs with its own forces. *

Heavy Highway

(b) List all details of any work your organization has failed to complete. If none, state "none." *

None

(c) List any Claims that your organization or any of its officers have initiated, any Claims initiated against your organization or any of its officers, any mediation or arbitration proceedings or lawsuits related to any contract your organization or any of its officers have been involved in or is currently involved in, or any judgements or awards outstanding against your organization or any of its officers within the last five (5) years. Please give details for each Claim, including the names and telephone numbers of the persons who are parties, the amount of the Claim, the type of Claim and basis for the Claim, and the outcome. If none, state "none." *

None

Note: As used in this document “Claim” means a Claim initiated under the Contract Documents for a contract.

(d) List any officer or principal of your organization that has ever been an officer or principal of another organization when it failed to complete a contract within the last five (5) years. Please give details for each instance, including the names and telephone numbers of the persons who are parties to the contract, and the reason(s) the contract was not completed. If none, state “none.” *

NA

(e) List contracts your organization has in progress with an original contract sum of more than $100,000.00, giving the name of contract, owner and its telephone number, design professional and its telephone number if applicable, contract amount, percent complete and scheduled completion date. State total amount of work in progress and under contract. If none, state “none.” *

See Upload

(f) Provide the following information for each contract your organization has had during the last five (5) years, including current contracts, where the contract sum is fifty percent (50%) or more of the bid amount for this Contract, including add alternates: name of contract, scope of work, contract sum, name of owner’s representative and owner’s telephone number. *

See Upload

Note: If there are more than ten (10) of these contracts, only provide information on the most recent ten (10) contracts, including current contracts.

(g) Provide the following information for each contract your organization has had during the last five (5) years, which your organization believes is of comparable or greater size and complexity than the Owner's contract: name of contract, scope of work, contract sum, name of owner’s representative and owner’s telephone

number. *

See Upload

Note: If there are more than five (5) of these contracts, only provide information on the most recent five (5) contracts, including current contracts.

(h) State the average annual amount of contracts your organization has performed during the last five (5) years. *

$600,000,000

(i) If any of the following members of your organization's management, president, chairman of the board, or any director, operates or has operated another company during the last five (5) years, identify the member of management and the name of the company. If none, state “none.” *

NA

(j) If your organization is operating under a trade name registration with the Secretary of State for the State of Ohio, identify the entity for which the trade name is registered. If none, state “none.” *

None

(k) If your organization is a division or wholly-owned subsidiary of another entity or has another relationship with another entity, identify the entity of which it is a division or wholly-owned subsidiary or with which it has another relationship and also identify the nature of the relationship. If not applicable, state “not applicable.” *

Mar-Zane Materials - Subsidiary

(l) List the education, training and experience for each person who will fill a management role on the Contract, including without limitation the Contract Executive, Contract Manager and Contract Superintendent. For each

person listed, include with the other information the last three contracts on which the person worked and the name and telephone number of the owner. *

Superintendent - Jeff Harper - ODOT/Columbus - 25 Years - Specific projects available upon request
Project Manager - Brian Snode - ODOT/Columbus - 27 Years - Specific projects available upon request

REFERENCES:

(a) List all trade references. *

Paul Peterson Co.
Mark Rosendale - 614-486-4375

(b) List all bank references. *

Huntington National Bank
Eric Imertreijs - (614) 480-5682

(c) List the name of your surety bonding company along with the name and address of your surety agent. *

Ohio Farmers Insurance Company/Travelers Casualty & Surety Company Of America
Assured Partners Of Ohio, LLC
3900 Kinross Lakes Parkway #300 Richfield, Oh 44286

FINANCING:

(a) Attach a financial statement, preferably audited, including your organization's latest balance sheet and income statement showing the following items: current assets (e.g., cash, joint venture accounts, accounts receivable, notes receivable, accrued income, deposits, materials inventory and prepaid expenses), net fixed assets, other assets, current liabilities (e.g., accounts payable, notes payable, accrued expenses, provision for income taxes, advances, accrued salaries and accrued payroll taxes) and other liabilities (e.g., capital, capital stock, authorized and outstanding shares par values, earned surplus and retained earnings). **(To upload - Refer to Financial Statements Upload area after the Contractor's Qualification Statement of this solicitation).**

(b) List the name and address of the firm preparing attached financial statement, and date thereof. *

Financial information will only be given in person upon Shelly & Sands, Inc. being apparent low bidder and before a contract is signed

(c) State if the attached financial statement for the identical organization is named on page one. If not, explain the relationship and financial responsibility of the organization whose financial statement is provided (e.g., parent-subsidiary). *

Financial information will only be given in person upon Shelly & Sands, Inc. being apparent low bidder and before a contract is signed

(d) State if the organization whose financial statement is attached will act as guarantor of the Contract. *

Financial information will only be given in person upon Shelly & Sands, Inc. being apparent low bidder and before a contract is signed

CERTIFICATION:

The undersigned certifies for the reliance of the Owner that after diligent investigation, to the best of the undersigned's belief, the information provided with this Contractor's Qualification Statement is true, accurate and not misleading.

Company Name: *

Shelly & Sands, Inc.

Signature: *

Jeffrey T. Schultz

Date: *

11/20/25

Printed Name and Title: *

Jeffrey T. Schultz, Asst. Vice-President

CONTRACTOR'S QUALIFICATION STATEMENT (FINANCIAL STATEMENT UPLOAD)

Name	Omission Terms	Submitted File
Financial Statement Upload Financial Statement Upload		Financial Info.docx
1 Required Document		

CONTRACTOR'S QUALIFICATION STATEMENT (ADDITIONAL MATERIAL)

Name	Omission Terms	Submitted File
Optional: Vendor is not required to complete.		
Additional Material Upload #1 Optional Upload as Needed (10MB limit)		addenda 1 thru 4.pdf
Additional Material Upload #2 Optional Upload as Needed (10MB limit)		Projects.pdf
Additional Material Upload #3 Optional Upload as Needed (10MB limit)		NA.docx
3 Required Documents		

SUBCONTRACTORS LIST

The bidder is required to state, in detail, in the space provided below, the name, address, experience and the work to be performed by subcontractors in this Contract, including approximate percentage of the Contract cost by subcontractor. If no subcontractors are to be used, so state. *

BOCA CONSTRUCTION INC. 380 East Park Dr, Norwalk, OH 44857 ODOT/COLUMBUS Milling 1%
COMPLETE CLEARING INC 510 Industrial Way, Marengo, OH 43334 ODOT/COLUMBUS Clearing 1%
CONCRETE CUTTING & BREAKING INC 3268 East 11th Ave, Columbus, Oh 43219 ODOT/COLUMBUS Saw Cutting 1%
DRESDEN LANDSCAPING 12095 Bottom Rd, Dresden, OH 43821 ODOT/COLUMBUS Seeding/Landscape 3%
GRIFFIN PAVEMENT STRIPING INC 2383 Harrison Rd, Columbus, OH 43204 ODOT/COLUMBUS Striping 1%
MCCOY PIPING SERVICES 433 Hosack St, Columbus, OH 43207 ODOT/COLUMBUS Tapping Sleeve 3%
PAUL PETERSON COMPANY INC 950 Dublin Rd, Columbus, OH 43215 ODOT/COLUMBUS Traffic 1%
PRECISE BORING OF OHIO 4213 Westfall Rd SW, Lancaster, OH 43130 ODOT/COLUMBUS Directional Boring 3%

Note: The bidder shall perform within its own organization, work amounting to not less than fifty percent (50%) of the total Contract cost.

CORPORATE AFFIDAVIT

Optional: Vendor is not required to complete.

To be filled in and executed if the contractor is a corporation.

State of: *

Ohio

County of (ss): *

Franklin

_____,
being first duly sworn, *

Brian E. Anderson

deposes and says that he or she is Secretary of
_____, *

Shelly & Sands, Inc.

a corporation organized and existing under and by virtue of the laws of the state of
_____, *

Ohio

and having its principal office at
_____ (Address), *

1515 Harmon Ave

_____
(City), *

Columbus

_____ **_____**
(County), * **(State). ***

Franklin Ohio

Affiant further says he or she is familiar with the records, minutes, books and by-laws of the
_____ (Name of Corporation). *

Shelly & Sands, Inc.

Affiant further says that
_____ (Name of Officer),

*

Jeffrey T. Schultz

_____

(Title) *

Asst. Vice-President

of the Corporation is duly authorized to sign the Contract for the _____ (Contract) *

ST-1121 Taylor Road Water Main Replacement

for said Corporation by virtue of _____ (state whether a provision of by-laws or a resolution of the Board of Directors), *

A resolution of the board of directors

_____ **(if by resolution, give date of adoption).**

1/1717

Signature: *

Brian E. Anderson

CONTRACTOR'S PERSONAL PROPERTY TAX AFFIDAVIT (O.R.C. § 5719.042)

State of: *

Ohio

County of (ss): *

Franklin

_____**, Affiant, ***

Jeffrey T. Schultz

being first duly sworn, deposes and says:

1. I am the (Title): *

Asst. Vice-President

of (Contractor): *

Shelly & Sands, Inc.

2. The Contractor's offices are located at: *

1515 Harmon Ave Columbus, Ohio 43223

3. I am the Contractor’s duly authorized representative for making this affidavit.

4. Effective this _____ day: *

20th

of_____: *

November

20_____: *

25

the Contractor _____ with delinquent personal property taxes on the general list of personal property in any Ohio county. *

is not charged

delinquent personal property taxes:

County:

NA

Amount (include total amount, with penalties and interest thereon):

$.00

County:

NA

Amount (include total amount, with penalties and interest thereon):

$.00

County:

NA

Amount (include total amount, with penalties and interest thereon):

$.00

County:

NA

Amount (include total amount, with penalties and interest thereon):

$.00

Signature: *

Jeffrey T. Schultz

NONCOLLUSION AFFIDAVIT

State of: *

Ohio

County of (ss): *

Franklin

Contractor, *

Jeffrey T. Schultz

being first duly sworn, deposes and says that he or she is **_____ ***

other

of

(company name), *

Shelly & Sands, Inc.

the party making the foregoing bid; that such bid is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that such bid is genuine and not collusive or sham; that said bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that any one shall refrain from bidding; that

said bidder has not in any manner, directly or indirectly, sought by agreement, communication or conference with anyone to fix any overhead, profit, or cost element of such bid price, or of that of any other bidder, or to secure any advantage against the Owner awarding the Contract to anyone interested in the proposed Contract; that all statements contained in such bid are true; and further, that said bidder has not, directly or indirectly, submitted its bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid and will not pay any fee in connection therewith, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, or to any other individual except to such person or persons as have a partnership or other financial interest with said bidder in its general business.

Signature: *

Jeffrey T. Schultz

ESCROW WAIVER

Contractor, *

Shelly & Sands, Inc.

agrees to abide by City of Gahanna Ordinance No. 0077-2017. Pursuant to such ordinance and the City's home rule authority, Contractor waives the requirements of Sections 153.13, 153.14 and 153.63 of the Ohio Revised Code that an escrow account be established relating to the Contract and that interest be paid on retainage.

Signature: *

Jeffrey T. Schultz

BID GUARANTY AND CONTRACT BOND & SURETY UPLOADS

Name	Omission Terms	Submitted File
Bid Guaranty and Contract Bond Bid Guaranty and Contract Bond (Form located in Attachement List)		bg.pdf
Surety Company's Power of Attorney Power of attorney for surety company		poa.pdf
Surety Company's Financial Statement Financial statement for surety company		fin state.pdf
Surety Company's Certificate of Complaince from the Ohio Department of Insurance		cert comp.pdf
4 Required Documents		

Name	Omission Terms	Submitted File
Certificate of complaince from the Ohio Department of Insurance for surety company		
4 Required Documents		

BID FORM & BIDDER CERTIFICATION

Having carefully reviewed the Information and Requirements for Bidders, Drawings, Specifications and other Contract Documents for the Project including having also received, read, and taken into account any Addenda and likewise having inspected the site and the conditions affecting and governing the Project and confirmed the location of the site utilities and all existing structures, the undersigned hereby proposes to furnish all materials and to perform all labor, as specified and described in the said Specifications and/or as shown on the said Drawings for all Work necessary to complete the Project on a timely basis and in accordance with the Contract Documents regardless of whether expressly provided for in such Specifications and Drawings.

Before completing the Bid Form, the undersigned represents that it has carefully reviewed the Notice to Bidders, Information and Requirements for Bidders, this Bid Form, Form of Bid Guaranty and Contract Bond, Contractor's Affidavit (O.R.C. 5719.042), Owner-Contractor Agreement, General Conditions of the Contract (EJCDC C-700, 2013) (as modified), Drawings, Project Specifications, and all other Contract Documents. Failure to comply with provisions of the Contract Documents may be cause for disqualification of the bid.

BONDS AND CONTRACT: If the undersigned is notified of bid acceptance, it agrees to furnish required bonds as indicated in the Information and Requirements for Bidders.

COMPLETION OF WORK: In submitting a bid, the undersigned agrees to execute the Owner-Contractor Agreement in the form included in the Contract Documents and to substantially complete its Work as required by the Contract Documents.

NOTE A: The wording of the Bid Form shall be used throughout, without change, alteration, or addition. Any change may cause it to be rejected.

NOTE B: Bidder is cautioned to bid only on the Brands or Standards specified.

NOTE C: If there is an inconsistency or conflict in the Bid amount, the lowest amount shall control, whether expressed in numbers or words.

INSTRUCTIONS FOR SIGNING

A. The person signing for a sole proprietorship must be the sole proprietor or his authorized representative. The name of the sole proprietor must be shown below.

B.The person signing for a partnership must be a partner or his authorized representative.

C. The person signing for a corporation must be the president, vice president or other authorized representative; or he must show authority, by affidavit, to bind the corporation.

D. The person signing for some other legal entity must show his authority, by affidavit, to bind the legal entity.

BIDDER CERTIFICATIONS. The Bidder hereby acknowledges that the following representations in this bid are material and not mere recitals:

1. The Bidder acknowledges that this is a public project involving public funds, and that the Owner expects and requires that each successful Bidder adhere to the highest ethical and performance standards. The Bidder by submitting its bid pledges and agrees that (a) it will act at all times with absolute integrity and truthfulness in its dealings with the Owner and the Design Professional, (b) it will use its best efforts to cooperate with the Owner and the Design Professional and all other Contractors on the Project and at all times will act with professionalism and dignity in its dealings with the Owner, Design Professional and other Contractors, (c) it will assign only competent supervisors and workers to the Project, each of whom is fully qualified to perform the tasks that are assigned to him/her, and (d) it has read, understands and will comply with the terms of the Contract Documents.
2. The Bidder represents that it has had a competent person carefully and diligently review each part of the Contract Documents, including the Divisions of the Specifications and parts of the Drawings that are not directly applicable to the Work on which the Bidder is submitting its bid. By submitting its bid, each Bidder represents and agrees, based upon its careful and diligent review of the Contract Documents, that it is not aware of any conflicts, inconsistencies, errors or omissions in the Contract Documents for which it has not notified the Design Professional in writing at least seven (7) days prior to the bid opening. If there are any such conflicts, inconsistencies, errors or omissions in the Contract Documents, the Bidder (i) will provide the labor, equipment or materials of the better quality or greater quantity of Work; and/or (ii) will comply with the more stringent requirements. The Bidder will not be entitled to any additional compensation for any conflicts, inconsistencies, errors or omissions that would have been discovered by such careful and diligent review, unless it has given such prior written notice to Design Professional.
3. The Bidder represents that it has had a competent person carefully and diligently inspect and examine the entire site for the Project and the surrounding area, including all parts of the site applicable to the Work for which it is submitting its bid, including the location, condition and layout of the site and the location of utilities, and carefully correlate the results of the inspection with the requirements of the Contract Documents. The Bidder agrees that its bid shall include all costs attributable to site and surrounding area conditions that would have been discovered by such careful and diligent inspection and examination of the site and the surrounding area, and the Bidder shall not be entitled to any Change Order, additional compensation, or additional time on account of conditions that could not have been discovered by such an investigation.
4. The Bidder represents, understands and agrees that a) the Change Proposal and Claim procedures in the Modified Standard General Conditions are material terms of the Contract Documents, b) if it has a Change Proposal or Claim, it will have its personnel provide complete and accurate information to complete and submit the Change Proposal and / or Statement of Claim form on a timely basis, c) the proper completion and timely submission of a Change Proposal or Statement of Claim form is a condition precedent to any change in the Contract Sum or the Contract Time(s), and d) the proper and timely submission of the Change Proposal or Statement of Claim form provides the Owner and the Design Professional with necessary information so that the Owner may investigate the Claim and mitigate its damages.
5. The Bidder represents that the bid contains the name of every person interested therein and is based upon the Standards specified by the Contract Documents.
6. The Bidder and each person signing on behalf of the Bidder certifies, and in the case of a bid by joint venture, each member thereof certifies as to such member's entity, under penalty of perjury, that to the best of the undersigned's knowledge and belief: (a) the Base Bid, any Unit Prices, Lump Sum Items, and any Alternate bids in the bid have been arrived at independently without collusion, consultation, communication or agreement, or for the purpose of restricting competition as to any matter relating to such Base Bid, Unit Prices, Lump Sum Items, or Alternate bids with any other Bidder; (b) unless otherwise required by law, the Base Bid, any Unit Prices, Lump Sum Items, and any Alternate bids in the bid have not been knowingly disclosed by the Bidder and will not knowingly be disclosed by the Bidder prior to the bid opening, directly or indirectly, to any other Bidder who would have any interest in the Base Bid, Unit Prices, Lump Sum Items, or Alternate bids; (c) no attempt has been made or will be made by the Bidder to induce any other Person to submit or not to submit a bid for the purpose of restricting competition; and (d) the statements made in this Bid Form are true and correct.
7. The Bidder will execute the form of Owner/Contractor Agreement in the form included with the Contract Documents, if a

Contract is awarded on the basis of this bid, and if the Bidder does not execute the Contract Form for any reason, other than as authorized by law, the Bidder and the Bidder's Surety are liable to the Owner.

8. The Bidder certifies that upon the award of a Contract, the Contractor will ensure that all of the Contractor's employees, while working on the Project site, will not purchase, transfer, use or possess illegal drugs or alcohol or abuse prescription drugs in any way.
9. The Bidder agrees to furnish any information requested by the Design Professional or the Owner's authorized representative to evaluate that the Bidder is the best bidder and that the bid is responsive to the specifications.
10. The Bidder certifies that it has no unresolved findings for recovery issued by the Auditor of State.
11. The Bidder certifies that it is aware of and in compliance with the requirements of Ohio Revised Code Section 3517.13 regarding campaign contributions.

Legal Name of Bidder: *

Shelly & Sands, Inc.

Bidder is: *

corporation

Name and Title of Person Legally Authorized to Bind Bidder to a Contract: *

Jeffrey T. Schultz, Asst. Vice-President

Address: *

1515 Harmon Ave

City *

Columbus

State *	**Zip ***
Ohio	43,223

Telephone Number: *	**Fax Number:**
(614) 444-5100	(614) 444-5481

Federal Tax ID Number: *

[redacted]

Signature: *

Jeffrey T. Schultz

Date: *

11/20/25

When the Bidder is a partnership or a joint venture, state name and address of each partner in the partnership or participant in the joint venture below:

Name and Address:

NA

BID FORM (INSTRUCTIONS)

Include the cost of all labor and material for the bid items listed below. Bidder is to fill in all blanks related to the bid items for which a bid is being submitted. If there is a difference between the total bid amount and the total of the individual amounts for labor and materials stated under a bid item, the total of the individual amounts shall be the amount deemed to be inserted in the blank for the total labor and materials for each bid item. If there is an inconsistency or conflict in the bid amount, the lowest amount shall control, whether expressed in numbers or words.

For items the City designates as alternate, enter a negative value if it is to be deducted from the Base Bid. Otherwise the item(s) will be included as an addition to the base bid. If opting out of bidding an alternate item, check mark the box in the optional column located to the left of the item to insert the words "No Bid".

BID FORM

$2,312,006.80

Ref #	Item #	Description	Qty	Unit	Material	Labor	Extension
Alternates are not included in bid total.							
1	105	Control of Work, Photographs and Videos	1.00	L.S.	$0.00	$4,000.00	$4,000.00
2	108	CPM Progress Schedule	1.00	L.S.	$0.00	$2,000.00	$2,000.00
3	201	Clearing and Grubbing	1.00	L.S.	$0.00	$1,000.00	$1,000.00
4	201	Tree Removed	53.00	EA	$0.00	$280.00	$14,840.00
5	201	Stump Removed	53.00	EA	$0.00	$50.00	$2,650.00
6	202	Curb and	890.00	LF	$0.00	$10.00	$8,900.00
							Total: $2,312,006.80

Ref #	Item #	Description	Qty	Unit	Material	Labor	Extension
		Gutter Removed					
7	202	Curb Removed	350.00	LF	$0.00	$4.00	$1,400.00
8	202	Walk Removed	12,191.00	SF	$0.00	$2.00	$24,382.00
9	202	Pavement Removed	1,666.00	SY	$0.00	$10.00	$16,660.00
10	207	Construction Seeding and Mulching	1,748.00	SY	$0.95	$0.95	$3,321.20
11	207	Inlet Protection	27.00	EA	$125.00	$125.00	$6,750.00
12	207	Perimeter Filter Fabric Fence	7,562.00	FT	$2.00	$2.00	$30,248.00
13	207	Designated Concrete Washout Area	2.00	EA	$0.00	$1,300.00	$2,600.00
14	252	Full Depth Pavement Sawing	88.00	LF	$0.00	$2.00	$176.00
15	259	Permanent Pavement Replacement	24.00	CY	$275.00	$275.00	$13,200.00
16	301	Asphalt Concrete Base	402.00	CY	$150.00	$150.00	$120,600.00
17	407	Tack Coat	145.00	GAL	$2.00	$2.00	$580.00
18	410	Traffic Compacted Surfaces - Type A or B	60.00	CY	$75.00	$75.00	$9,000.00
19	441	Asphalt Concrete Surface	171.00	CY	$125.00	$125.00	$42,750.00
							Total: $2,312,006.80

Ref #	Item #	Description	Qty	Unit	Material	Labor	Extension
		Course, Type 1 (449), PG64-22					
20	441	Asphalt Concrete Surface Course, Type 1, (449)	7.00	CY	$287.50	$287.50	$4,025.00
21	452	6" Non-reinforced Concrete Pavement, Class FS	112.00	SY	$100.00	$100.00	$22,400.00
22	452	8" Non-reinforced Concrete Pavement, Class FS	235.00	Sy	$75.00	$75.00	$35,250.00
23	604	Manhole Adjusted to Grade (Storm)	6.00	EA	$500.00	$500.00	$6,000.00
24	604	Manhole Adjusted to Grade (Sanitary)	1.00	EA	$700.00	$700.00	$1,400.00
25	608	Curb and Gutter Restoration	116.00	LF	$30.00	$30.00	$6,960.00
26	608	Curb Ramps	9.00	EA	$1,000.00	$1,000.00	$18,000.00
27	608	Sidewalk Restoration	144.00	SF	$18.50	$18.50	$5,328.00
28	608	4" Concrete Sidewalk Restoration	14,356.00	SF	$3.50	$3.50	$100,492.00
29	608	6" Concrete Sidewalk Restoration	1,118.00	SF	$9.50	$9.50	$21,242.00
30	608	8" Concrete	1,745.00	SF	$9.50	$9.50	$33,155.00
							Total: $2,312,006.80

Ref #	Item #	Description	Qty	Unit	Material	Labor	Extension
		Sidewalk Restoration					
31	608	Detectable Warning, Type E	50.00	SF	$22.50	$22.50	$2,250.00
32	609	Combination Curb and Gutter, Type Special 8"	725.00	LF	$27.50	$27.50	$39,875.00
33	609	Curb, Straight 18"	310.00	LF	$35.00	$35.00	$21,700.00
34	614	Maintaining Traffic	1.00	L.S.	$5,000.00	$65,625.00	$70,625.00
35	615	Temporary Pavement	3,961.00	SY	$8.00	$8.00	$63,376.00
36	616	Dust Control - Water	5.00	MGAL	$35.00	$35.00	$350.00
37	616	Dust Control - Calcium Chloride	1.00	TON	$375.00	$375.00	$750.00
38	619	Field Office	0.00	0	$0.00	$0.00	$0.00
39	623	Construction Layout Stakes and Surveying	1.00	L.S.	$500.00	$17,500.00	$18,000.00
40	624	Mobilization	1.00	L.S.	$2,000.00	$98,000.00	$100,000.00
41	630	Removal of Ground Mounted Sign and Re-erection	1.00	EA	$447.50	$447.50	$895.00
42	630	Removal of Ground Mounted Post Support and Disposal	1.00	EA	$0.00	$75.00	$75.00
43	630	Sign	1.00	EA	$275.00	$275.00	$550.00
							Total: $2,312,006.80

Ref #	Item #	Description	Qty	Unit	Material	Labor	Extension
		Support Assembly, Pole Mounted					
44	644	Stop Line, 24"	28.00	LF	$10.00	$10.00	$560.00
45	644	Crosswalk Line, 12"	197.00	LF	$4.50	$4.50	$1,773.00
46	659	Seeding and Mulching, Class 1	1,748.00	SY	$1.50	$1.50	$5,244.00
47	659	Seeding and Mulching -Topsoil	193.00	CY	$45.00	$45.00	$17,370.00
48	659	Repair Seeding and Mulching	90.00	SY	$0.60	$0.60	$108.00
49	659	Seeding and Mulching -Inter-seeding	90.00	SY	$0.60	$0.60	$108.00
50	659	Seeding and Mulching -Commercial Fertilizer	0.25	TON	$450.00	$450.00	$225.00
51	659	Seeding and Mulching - Lime	0.36	ACRE	$80.00	$80.00	$57.60
52	659	Seeding and Mulching - Water	10.00	MGAL	$0.50	$0.50	$10.00
53	801	6-inch Water Pipe and Fittings	167.00	LF	$312.50	$312.50	$104,375.00
54	801	8-inch Water Pipe and Fittings	70.00	LF	$325.00	$325.00	$45,500.00
55	801	16-inch Water Pipe	2,950.00	LF	$126.00	$126.00	$743,400.00
							Total: $2,312,006.80

Ref #	Item #	Description	Qty	Unit	Material	Labor	Extension
		and Fittings					
56	801	Concrete Backing, Class COC 6, Increase or Decrease	28.00	CY	$100.00	$100.00	$5,600.00
57	802	6-inch Valve and Appurtenances	6.00	EA	$800.00	$800.00	$9,600.00
58	802	8-inch Valve and Appurtenances	3.00	EA	$1,125.00	$1,125.00	$6,750.00
59	802	16-inch Valve and Appurtenances	5.00	EA	$6,200.00	$6,200.00	$62,000.00
60	802	12-inch Insertion Valve and Appurtenances	2.00	EA	$15,000.00	$15,000.00	$60,000.00
61	803	12-inch Tapping Sleeve and Valve and Appurtenances	1.00	EA	$9,500.00	$9,500.00	$19,000.00
62	805	3/4" Curb Stop	12.00	EA	$495.00	$495.00	$11,880.00
63	805	1 1/2" Curb Stop	2.00	EA	$675.00	$675.00	$2,700.00
64	805	2" Curb Stop	2.00	EA	$775.00	$775.00	$3,100.00
65	805	3" Curb Stop	1.00	EA	$1,350.00	$1,350.00	$2,700.00
66	805	Curb Box	16.00	EA	$42.50	$42.50	$1,360.00
67	805	1.5-inch	71.00	LF	$32.50	$32.50	$4,615.00
							Total: $2,312,006.80

Ref #	Item #	Description	Qty	Unit	Material	Labor	Extension
		Water Service Line					
68	805	1.5-inch Water Tap	2.00	EA	$525.00	$525.00	$2,100.00
69	805	3/4-inch Water Service Line Transfer	12.00	EA	$1,225.00	$1,225.00	$29,400.00
70	805	2-inch Water Service Line Transfer	1.00	EA	$1,245.00	$1,245.00	$2,490.00
71	805	3-inch Water Service Line Transfer	1.00	EA	$2,600.00	$2,600.00	$5,200.00
72	808	Cut and Plug (Cap) 8-inch Water Main	1.00	EA	$600.00	$600.00	$1,200.00
73	808	Cut and Plug (Cap) 12-inch Water Main	2.00	EA	$650.00	$650.00	$2,600.00
74	808	3/4" Water Tap Abandoned	6.00	EA	$412.50	$412.50	$4,950.00
75	808	3" Water Tap Abandoned	1.00	EA	$325.00	$325.00	$650.00
76	808	6" Water Tap Abandoned	2.00	EA	$575.00	$575.00	$2,300.00
77	808	8" Water Tap Abandoned	1.00	EA	$600.00	$600.00	$1,200.00
78	808	12" Water Main Abandoned	0.00	0	$0.00	$0.00	$0.00
							Total: $2,312,006.80

Ref #	Item #	Description	Qty	Unit	Material	Labor	Extension
79	809	Fire Hydrant Installation	11.00	EA	$4,000.00	$4,000.00	$88,000.00
80	809	Fire Hydrant Removal and Disposal	8.00	EA	$0.00	$450.00	$3,600.00
81	810	6-inch Fire Hydrant Extension	1.00	EA	$512.50	$512.50	$1,025.00
82	810	24-inch Fire Hydrant Extension	1.00	EA	$875.00	$875.00	$1,750.00
83	811	Increase or Decrease in Backfill	50.00	CY	$62.50	$62.50	$6,250.00
84	SPEC	16-Inch Water Pipe and Fittings Horizontal Directional Drill	290.00	LF	$162.50	$162.50	$94,250.00
85	SPEC	Deciduous Tree, (2"), (Syringa reticulata)	14.00	EA	$316.00	$316.00	$8,848.00
86	SPEC	Deciduous Tree, (2"), (Styrax japonicus)	14.00	EA	$425.00	$425.00	$11,900.00
87	SPEC	Deciduous Tree, (2"), (Halesia carolina)	13.00	EA	$332.50	$332.50	$8,645.00
88	SPEC	Deciduous Tree, (2"), (Amelanchier laevis)	13.00	EA	$350.00	$350.00	$9,100.00
89	SPEC	Deciduous Tree, (2"), (Cornus alternifolia)	13.00	EA	$366.00	$366.00	$9,516.00
							Total: $2,312,006.80

Ref #	Item #	Description	Qty	Unit	Material	Labor	Extension
90	254	Pavement Planing, Asphalt Concrete	3,606.00	SY	$0.00	$7.00	$25,242.00
91	801	2-inch Water Pipe and Fittings	80.00	LF	$37.50	$37.50	$6,000.00
							Total: $2,312,006.80

BID FORM (ALTERNATE BID)

Ref #	Item #	Description	Qty	Unit	Material	Labor	Extension
Alternate: Owner-agency may award independently from entire bid. Component is not included in bid total. Alternates are not included in bid total.							
							Total:

Gahanna

ADDENDUM #1
TAYLOR ROAD WATER MAIN REPLACEMENT, ST-1121

1. Question: Who is responsible for hydrostatic testing and chlorination of the new water main?
    a. Answer: Hydrostatic testing and chlorination of the new water main is the responsibility of the contractor.
2. Bidding Schedule Update:
    a. Last day for questions: Wednesday, November 5, 2025, at 2:00 p.m., local time
    b. Last day for addenda: Thursday, November 6, 2025, at 2:00 p.m., local time
3. Geotechnical Report (issued)
4. Prebid meeting minutes (issued)

Please sign and upload a .pdf copy to the Additional Material Upload section located on Bid Express under the Contractor's Qualification Statement due on **November 12, 2025 @ 2:00 PM.**

ADDENDUM # 1 is hereby acknowledged:

ASST. VICE-PRESIDENT
Signature and Title

SHELLY AND SANDS, INC
Company Name

11/3/25
Date

Issued: November 3, 2025

Resource International, Inc.

TAYLOR ROAD WATER MAIN
GAHANNA, OHIO

GEOTECHNICAL INVESTIGATION REPORT

Prepared For:
Fishbeck
One E. Campus View Blvd
Columbus, Ohio 43235

Prepared By:
Resource International, Inc.
6350 Presidential Gateway
Columbus, Ohio 43231

Rii Project No. W-25-009

May 2025

RESOURCE INTERNATIONAL, INC.
6350 Presidential Gateway
Columbus, Ohio 43231
Ph: 614.823.4949

May 2, 2025 (Revised May 5, 2025)

Ms. Brenda VanCleave, P.E.
Senior Municipal Engineer
Fishbeck
One E. Campus View Blvd
Columbus, Ohio 43235

Re: Geotechnical Investigation Report
Taylor Road Water Main
Gahanna, Ohio
Rii Project No. W-25-009 (Rev. 1)

Ms. VanCleave:

Resource International, Inc. (Rii) is pleased to submit this revised geotechnical investigation report for the above-referenced project. Engineering logs have been prepared and are attached to this report along with laboratory test results. This revised report includes a summary of the field exploration and laboratory testing programs along with recommendations for the installation of a proposed water main along Taylor Road in Gahanna, Ohio. This revised report supersedes our previous submittal.

We sincerely appreciate having been given the opportunity to be of service to you on this project. If you have any questions concerning the subsurface investigation or this report, do not hesitate to contact us.

Sincerely,

RESOURCE INTERNATIONAL, INC.

Muhammad Hamza
Staff Engineer

Daniel E. Karch, P.E.
Director – Geotechnical Services (Ohio)

Enclosure: Revised Geotechnical Investigation Report

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APPENDICES

Appendix I **Vicinity Map and Boring Plan**

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1.0 INTRODUCTION

This report is a presentation of the geotechnical investigation performed for the design and construction of a new water main along Taylor Road from Morrison Road to Helmbright Drive in Gahanna, Ohio.

Based on the available information, the proposed water main will generally be installed at depths ranging from approximately 5.0 to 12.3 feet below the existing ground surface using the open trench excavation and trenchless installation methods. The total length of the proposed water main is approximately 3,240 feet. The length of the trenchless sections will be 290 feet, and the remaining length of the water main will be open-cut. The proposed water main will be situated within the right-of-way of Taylor Road and will be located predominantly along the north side of the road in the westbound travel lane.

1.1 Existing Site Conditions

Based on available information, the proposed water main will begin at the intersection of Taylor Road and Morrison Road and will extend east to the intersection of Taylor Road and Helmbright Drive. Land use in the vicinity of the proposed alignment is predominantly residential and commercial. The ground surface topography in the vicinity of the proposed site ranges from approximately 805 to 865 feet, with about 60 feet of total relief. Existing electrical and telephone lines are situated along the south side of Taylor Road within the project limits, and multiple other buried utility lines are situated within the project limits. The pavement along Taylor Road within the project limits is generally in fair condition and has exhibited minor to moderate longitudinal and alligator cracking.

1.2 Site Geology

Physiographically, the site lies within the Columbus Lowland of the Ohio Till Plain Region. This region is characterized by relatively flat-lying silty loam till ground moraine, interspersed with end and recessional moraines, outwash and alluvial deposits.

The vicinity of this site consists of ground moraine, outwash deposits, eskers, and alluvial deposits. Ground moraines are deposited during the retreat of a glacier, resulting in an undifferentiated mixture of clay, silt, sand, and gravel. Outwash deposits consist of undifferentiated sand and gravel deposited by meltwater in front of glacial ice and often occur as valley terraces or low plains. Similar to outwash, eskers are also deposited by flowing meltwater but are deposited beneath the glacier ice. Eskers are long, serpentine-shaped landforms and consist of sand and gravel. Alluvium and alluvial terrace deposits range from silty clay to cobble-sized deposits, usually deposited in present and former floodplain areas.

Based on the Ohio Department of Natural Resources (ODNR) bedrock mapping, the bedrock in the vicinity of the project site consists of the Devonian-aged Ohio Shale and Mississippian-aged Bedford Shale. The Ohio Shale is brownish black to greenish gray in color and weathers to brown, and consists of thinly bedded carbonaceous shale bedrock with carbonate/siderite concretions. The formation ranges from 250 to over 500 feet thick. The Bedford Shale is gray, green, red, and brown in color and consists of clayey shale with siltstone beds in the upper quarter of the unit, with the siltstone fraction increasing in the upper portion of the unit. The formation ranges between 80 to 155 thick.

Based on the available ODNR bedrock mapping, the bedrock surface elevation in the vicinity of this project site ranges from approximately 775 to 850 feet from west to east. Based on the bedrock topography mapping and existing ground surface elevation, the depth to the bedrock surface is approximately 10 to 30 feet below existing grade. However, two (2) of the borings performed for this investigation encountered bedrock at depths of 5.5 feet each below the existing ground surface.

2.0 SUBSURFACE INVESTIGATION

On April 1, 2025, a total of five (5) soil borings designated as B-01 through B-05 were advanced for this project to depths of 15.0 feet each below existing grade. The locations of the soil borings are shown on the boring plan provided in Appendix I.

Table 1. Boring Summary

Boring Number	Northing	Easting	Ground Surface Elevation (feet) [1]	Boring Depth (feet)
B-01	729897.279	1867381.127	804.7	15.0
B-02	729870.840	1868168.721	818.3	15.0
B-03	729806.577	1869036.653	832.3	15.0
B-04	729745.000	1869877.145	846.1	15.0
B-05	729691.949	1870638.943	864.6	15.0

1. *Ground surface elevations at boring locations were interpolated from basemapping provided by Fishbeck.*

During the field reconnaissance, Rii personnel documented the existing site conditions and mapped all boring locations. Rii utilized a handheld GPS unit to obtain northing and easting coordinates at the boring locations. The ground surface elevations at the soil boring locations were interpolated from basemapping provided by Fishbeck.

The borings were drilled and sampled with a Mobile B-46 drill rig utilizing a 4.5-inch outside diameter continuous flight auger to advance the holes. Standard penetration test (SPT) and split-spoon sampling were performed at 2.5-foot intervals to the boring

termination depths. The SPT, per the American Society for Testing and Materials (ASTM) designation D1586, was conducted using a 140-pound hammer free-falling 30 inches to drive a 2.0-inch outside diameter (O.D.) split spoon sampler for 18.0 inches. Rii utilized a calibrated automatic drop hammer to generate consistent energy transfer to the sampler. Driving resistance is recorded on the boring logs in terms of blows per 6.0-inch interval of the driving distance. The second and third intervals were added to obtain the number of blows per foot (N). SPT blow counts aid in estimating soil characteristics used to calculate bearing capacities and settlement potential. Measured blow count (N_m) values are corrected to an equivalent (60%) energy ratio, N_{60}, by the following equation. Both values are represented on boring logs presented in Appendix III.

$$N_{60} = N_m*(ER/60)$$

Where:
N_{60} = energy corrected number of blows required to drive the split spoon sampler final 12 inches in 1.5-foot sampling intervals
N_m = measured N value
ER = drill rod energy ratio, expressed as a percent, for the system used

The hammer utilized on the Mobile B-46 drill rig was calibrated on March 22, 2025, and has an energy ratio of 84.3 percent.

Hand penetrometer readings, which provide a rough estimate of the unconfined compressive strength of the cohesive soils, were reported on the boring logs in units of tons per square foot (tsf) and were utilized to classify the consistency of the cohesive soil in each layer. An indirect estimate of the unconfined compressive strength of the cohesive split spoon sample can also be made from a correlation with the blow counts (N_{60}). Please note that split-spoon samples are considered to be disturbed, and the laboratory determination of their shear strengths may vary from undisturbed conditions.

For instances of no recovery from the standard SS interval, a 2.5-inch O.D. split spoon is driven the full length of the standard SS interval plus an additional 6.0 inches to obtain a representative sample. Only the final 6.0 inches of the sample is retained. Blow counts from 2S sampling are not correlated with N_{60} values.

Upon completion of drilling, the borings were backfilled with a mixture of bentonite chips and soil cuttings generated during the drilling process. The pavement was patched with an equivalent thickness of quick set concrete.

During drilling, field personnel prepared field logs showing the encountered subsurface conditions. Soil samples obtained from the drilling operation were preserved in sealed glass jars and delivered to the soil laboratory. In the laboratory, the soil samples were visually classified, and selected soil samples were tested as noted in Table 2.

Table 2. Laboratory Test Schedule

Laboratory Test		Test Designation	Number of Tests Performed
Natural Moisture Content		ASTM D2216	15
Plastic and Liquid Limits		ASTM D4318	3
Sieve/Hydrometer		ASTM D422	3
Gradation		ASTM D6913	3
Corrosion Suite	pH	ASTM D4972	1
	Resistivity	AASHTO T-288	1
	Chloride Ion	AASHTO T-291	1
	Sulfate	ODOT S 1122	1
	Sodium Azide-Iodine	AWWA C105	1
	Oxidation-Reduction Potential (ORP)	ASTM G200-09	1

These tests are necessary to classify the soil according to the Unified Soil Classification System (USCS) and to estimate engineering properties of importance in determining pipe support and construction recommendations. Results of the laboratory testing are presented in Appendix IV and, in part, on the boring logs in Appendix III.

3.0 SUBSURFACE PROFILE

Interpreted engineering logs have been prepared based on the field logs, visual classification of samples, and laboratory test results. Classification of the borings follows the current version of USCS. The following is a summary of what was found in the test borings and what is represented on the boring logs. A description of the soil terms used throughout this report is presented in Appendix II, and the boring logs are presented in Appendix III.

3.1 Surface Materials

All borings were performed within Taylor Road and encountered pavement materials at the ground surface. Table 3 below are notes on the measured pavement section at each boring location.

Table 3. Summary of Pavement Sections and Thicknesses

Boring Number	Roadway Alignment	Asphalt Thickness (in)	Aggregate Base Thickness (in)
B-01	Taylor Road	13.0	5.0
B-02	Taylor Road	10.5	3.5
B-03	Taylor Road	10.75	7.25
B-04	Taylor Road	11.0	8.0
B-05	Taylor Road	11.75	8.25

The borings encountered 10.5 to 13.0 inches of asphalt overlying 5.0 to 8.25 inches of aggregate base at the ground surface.

3.2 Subsurface Soils

Below surficial material, borings B-01 and B-02 encountered possible or existing fill materials to a depth of 1.5 to 8.0 feet below the ground surface, respectively. The fill materials consisted of lean clay (USCS CL), and the existing fill in boring B-2 contained traces of brick, asphalt and aggregate fragments.

Below the surficial materials and/or existing fill, the borings generally encountered layers of natural cohesive and granular soils. The natural cohesive soils were described as lean clays, fat clay, and silty clays (USCS CL, CH, CL-ML) with varying amounts of sand and gravel. The shear strength and consistency of the cohesive soils are primarily derived from the hand penetrometer values (HP). The cohesive soils encountered ranged from medium stiff ($0.5 < HP \leq 1.0$ tsf) to hard ($HP \geq 4.0$ tsf) in consistency. The unconfined compressive strength of the natural cohesive soil samples tested, obtained from the hand penetrometer, ranged from 0.75 to 4.5 tsf (limit of the instrument).

The granular soils were described as silty sand, sandy clay, and silty gravel with sand (USCS SM, SC, and GM). Based on the SPT N_{60} blow counts obtained from within the granular soils, the relative density of granular soils ranged from medium dense ($10 < N_{60} < 50$ bpf) to very dense ($N_{60} > 50$ bpf). SPT N_{60} values determined within the granular soils ranged from 17 blows per foot (bpf) to 94 bpf.

Natural moisture contents of the cohesive soil samples tested ranged from 13 to 26 percent. The natural moisture content of the cohesive soil samples tested for plasticity index ranged from 3 percent below to 3 percent above their corresponding plastic limit. In general, the tested cohesive soils exhibited natural moisture content values ranging from slightly to significantly above the estimated optimum moisture content values.

3.3 Bedrock

Shale bedrock was encountered in borings B-03 and B-04 at a depth of 5.5 feet below the existing ground surface. The shale was described as brown to red and highly weathered. The shale was able to be penetrated with the split spoon sampler and drilling augers to the proposed termination depth of the borings. Therefore, bedrock coring was not performed.

3.4 Groundwater

Groundwater was initially encountered in the borings B-01, B-02, B-04, and B-05 at depths of 6.0 and 13.5 feet below the existing ground surface. Seepage was encountered in boring B-01 and B-05 at depths of 9.8 and 8.5 feet below the existing ground surface, respectively. Upon completion of the borings, groundwater was measured at depths of 5.4 and 12.7 feet below the existing ground surface.

A summary of groundwater depths encountered during our subsurface exploration is provided below in Table 4.

Table 4. Summary of Groundwater Depths

Boring Number	Boring Depth (feet)	Ground Surface Elevation (feet)	Groundwater Depths (feet)		Groundwater Elevations (feet)	
			During Drilling	At Completion	During Drilling	At Completion
B-01	15.0	804.7	13.5	12.7	791.2	792.0
B-02	15.0	818.3	7.5	5.4	810.8	813.0
B-04	15.0	846.1	6.0	6.6	840.1	839.5
B-05	15.0	864.6	13.5	7.5	851.1	857.1

Please note that short-term water level readings, especially in cohesive soils, are not necessarily an accurate indication of the actual groundwater conditions. In addition, groundwater levels or the presence of groundwater are considered to be dependent on seasonal fluctuations in precipitation.

A more comprehensive description of the soil and groundwater conditions encountered during the drilling program can be found on the boring logs in Appendix III.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Data obtained from the drilling and testing program have been used to determine pipe support capabilities encountered at the site. These parameters have been used to provide guidelines for the design of the utility alignment and general earthwork recommendations, which are discussed in the following paragraphs.

The recommendations provided in this report are based on the soil borings taken at select locations. Therefore, the soil conditions between the borings can vary significantly, and the nature and extent of these variations may not become evident until the construction is underway. Variation of soil conditions between borings should be expected.

If the project and site information vary from what Rii has described in this report, the information should be provided to Rii for review, and the recommendations revised, if necessary.

4.1 Pipe Support

Based on the provided plans by Fishbeck, the proposed water main along Taylor Road will consist of two types of pipe materials, C909 PVC and HDPE. The C909 PVC is planned to be used in the open cut sections, and HDPE is planned to be used in the trenchless sections. It is understood that trenchless installation techniques consisting of horizontal directional drilling are planned starting from Station 21+21 to Station 24+14 with a length of 290 feet.

The proposed invert depths at each boring location were estimated from the available plans provided by Fishbeck, and were estimated to range from 5.5 to 11.3 feet below the existing ground surface, corresponding to elevations ranging from 797.7 to 859.6 feet. A summary of the proposed invert depths and elevations at each boring location are presented in Table 4.

Table 5. Summary of Approximate Pipe Invert Elevation

Boring Number	Ground Elevation (feet)	Invert Elevation (feet)	Invert Depth [1] (feet)	Subsurface Soils Present at Invert Elevation
B-01	804.7	793.4	11.3	Stiff to Very Stiff Sandy Lean Clay (CL)
B-02	818.3	809.3	9.0	Very Stiff Fat Clay with Sand (CH)
B-03	832.4	826.9	5.5	Hard Lean Clay (CL) / Weathered Shale
B-04	846.1	840.4	5.7	Loose Clayey Sand (SC) / Weathered Shale
B-05	864.6	857.4	7.2	Medium Dense Clayey Sand (SC)

1. *Depths were determined from plans provided by Fishbeck.*

4.1.1 Open Cut Installation

Based on the available information, the proposed invert of the new water main is planned to be installed at a depth ranging from 5.5 to 11.3 feet below the existing grade.

Borings drilled in the vicinity of the proposed alignment encountered stiff to hard cohesive soils, medium dense granular soils, and weathered shale at the proposed invert elevations. These subgrade soils and weathered bedrock encountered along the majority of the proposed alignment are generally suitable to support the proposed pipe. However, subsurface conditions can vary between boring locations. Therefore, where soft/loose soils are encountered at the proposed invert elevation such as in boring B-4, Rii recommends that they be over-excavated to a depth of 12 inches below the pipe invert elevation, followed by placing appropriate granular fill (such as No. 57 stone) to the pipe invert.

Please note that, due to the removal of overburden soils, the cohesive and/or granular soils may exhibit soft/loose condition, particularly in the presence of water (if encountered). The granular base (such as No. 57 stone) will provide uniform support to the pipe, can be utilized in the dewatering process (if required), and can act as a stable platform to help protect the soils from further disturbance and construction activities.

Note that backfill materials should not be placed in frozen conditions or over a frozen subgrade. Pipe installation, trench width, bedding, and backfill compaction should be performed in accordance with applicable project codes. The pipe bedding surface should be inspected during construction to verify satisfactory conditions.

All open excavations should be constructed with a shoring system or a maximum excavation back slope according to OSHA guidelines. Soil parameters for the design of excavation shoring systems are provided in Section 4.3 of this report.

4.1.2 Trenchless Installation

Rii understands that trenchless installation methods, consisting of horizontal directional drilling, will be utilized for the installation of the proposed water main on the Taylor Road from Station 21+21 to Station 24+14. The depth of the invert within the HDD section ranges from 6 to 12.3 feet below the existing ground surface. No borings were performed within the limits of the proposed HDD; however, borings B-03 and B-04 were performed approximately 410 and 140 feet west and east, respectively, of the limits of the HDD. Borings B-03 and B-04 encountered weathered shale bedrock within the proposed invert depths of the HDD section, and groundwater was encountered in boring B-04 at a depth of 6.0 feet below the existing ground surface. The shale was able to be vertically penetrated with the split spoon sampler and drilling augers. It is recommended that HDD equipment that can penetrate the shale be utilized. Subsurface conditions

between boring locations can vary, therefore the HDD equipment should also be capable of penetrating cohesive and granular soils.

The trenchless installation should be designed to produce negligible to no effect on surface settlement of the existing roadway, driveways, buildings, and other structure(s). Monitoring of the surface settlement, structure settlement and/or vibration should be implemented. Soil subsidence could occur if boreholes are left uncased due to the presence of cohesionless soils and/or groundwater within or above the proposed casing. Very loose to loose granular soils in particular are susceptible to instability due to trenchless installations.

Without proper control of the boring through sand and gravel, washouts could induce sink holes under the existing pavement or other structures. Therefore, it recommended that the contractor have the capability to monitor and control both the vertical and horizontal alignment of the auger head during the boring operations. Further, the contractor should provide appropriate groundwater control for the HDD process. Note that the determination of groundwater levels at the time of construction is the responsibility of the contractor.

4.1.3 Corrosivity Test Results

Corrosivity testing, which is a combination of tests used to determine the corrosion potential of ductile iron piping, was performed on a total of one (1) representative soil sample from borings performed in the project area, which included borings B-03. The corrosivity test results are tabulated in Table 6.

Table 6. Corrosivity Test Results

Boring ID	Sample ID	Depth (feet)	Water-soluble Chloride Ion in Soil [1] (mg/kg)	pH in Water [2]	pH in Calcium Chloride Solution [2]	Soil Resistivity [3] (ohm/cm)	Sulfate Content [4] (ppm)	Moisture Conditions [5]	Sodium Azide-Iodine [5]	Oxidation-Reduction Potential [6] (mV)	AWWA Classification [7]
B-03	BS	5.0 to 10.0	80	8.1	7.9	1,200	80	Poor Drainage	Negative	158	Corrosive

1. *AASHTO T-291 (Method A)*
2. *ASTM D4972 (Method A)*
3. *AASHTO T-288*
4. *ANSI/AWWA C105/A21.5-05 (Qualitative Test)*
5. *ASTM C1498 (1:1 Soil in Water Mixture)*
6. *ANSI/AWWA C105/A21.5-05 (Table A.1)*

The corrosivity classification was determined using the soil test evaluation methodology described in ANSI/AWWA C105/A21.5-05, “Polyethylene Encasement for Ductile-Iron Pipe Systems”, which consists of a 10-point system based on the test results for resistivity, pH, redox potential, sulfide presence, and moisture conditions.

4.2 Excavation Considerations

All trenching and excavation procedures should follow applicable Occupational Safety and Health Administration (OSHA) standards, including adequate safety precautions conforming to OSHA standards for the personnel installing underground lines. During excavation, if slopes cannot be laid back to OSHA Standards due to adjacent structures or other obstructions, trench boxes or temporary sheeting, or shoring may be required. Excavation back slopes must be field verified by qualified personnel at the time of excavation in strict accordance with OSHA guidelines.

4.3 Lateral Earth Pressure

For the soil types encountered in the borings, the “in-situ” unit weight (γ), cohesion (c), effective angle of friction (φ’), and lateral earth pressure coefficients for at-rest conditions (k_o), active conditions (k_a), and passive conditions (k_p) have been estimated and are provided in Table 7 and Table 8.

Table 7. Estimated Undrained (Short-term) Soil Parameters for Design

Soil Type	γ (pcf) [1]	c (psf)	φ	k_a	k_o	k_p
Medium Stiff Cohesive Soil	115	1,000	0°	N/A	N/A	N/A
Stiff to Very Stiff Cohesive Soil	120	1,500	0°	N/A	N/A	N/A
Very Stiff to Hard Cohesive Soil	120	2,500	0°	N/A	N/A	N/A
Very Loose To Loose Granular Soil	120	0	27°	N/A	N/A	N/A
Medium-Dense Granular Soil	125	0	28°	0.36	0.53	2.77
Compacted Cohesive Engineered Fill	120	2,000	0°	N/A	N/A	N/A
Compacted Granular Engineered Fill	130	0	33°	0.30	0.46	3.39

1. *When below the groundwater table, use effective unit weight, γ' = γ - 62.4 pcf, and add hydrostatic water pressure.*

Table 8. Estimated Drained (Long-term) Soil Parameters for Design

Soil Type	γ (pcf) [1]	c' (psf)	φ'	k_a	k_o	k_p
Natural Cohesive Soil	120	0	26°	0.39	0.56	2.56
Medium-Dense Granular Soil	125	0	28°	0.36	0.53	2.77
Very Loose to Loose Granular Soil	120	0	28°	0.36	0.53	2.77
Medium-Dense Granular Soil	125	0	28°	0.36	0.53	2.77
Compacted Cohesive Engineered Fill	120	0	28°	0.36	0.53	2.77
Compacted Granular Engineered Fill	130	0	33°	0.30	0.46	3.39

1. *When below the groundwater table, use effective unit weight, γ' = γ - 62.4 pcf, and add hydrostatic water pressure.*

These parameters are considered appropriate for the design of all subsurface structures and any excavation support systems. Subsurface structures (where the top of the structure is restrained from movement) should be designed based on at-rest (k_o) conditions. For proposed temporary retaining structures (where the top of the structure is allowed to move), earth pressure distributions should be based on active (k_a) and passive (k_p) conditions. The values in this table have been estimated from correlation charts based on minimum standards specified for compacted engineered fill materials. These recommendations do not take into consideration the effect of any surcharge loading or a sloped ground surface (a flat surface is assumed). Earth pressures on excavation support systems will be dependent on the type of sheeting and method of bracing or anchorage.

4.4 Construction Considerations

The site work shall conform to the local specifications. If local specifications are not available, the latest City of Columbus Construction and Materials Specifications (CMSC) should be implemented. Site preparation should begin with general clearing, including the complete removal of all topsoil, vegetation, debris, existing pavement sections, unsuitable existing fill materials (as determined by a geotechnical engineer or an experienced soil technician), or any otherwise unsuitable materials from within the footprint of the proposed structure and pavement areas.

After materials are excavated to design grade, proper control of subgrade and new fill compaction should be performed by the geotechnical engineer and/or his/her representative. Generally, materials utilized for engineered fill should be free of waste construction debris and other deleterious materials and meet the following requirements:

- Maximum Dry Density per ASTM D698 > 110 pcf
- Liquid Limit < 40
- Plasticity Index < 15
- Organic Matter < 3 percent
- Maximum Particle Size < 3 inches
- Silt Content (between 0.075 and 0.005 mm) < 45 percent

Compacted granular fill shall meet the above specification and additionally shall be comprised of crushed particles and have a maximum 35 percent passing the No. 200 sieve.

Fill soil placed for foundation support should be placed in loose lifts not to exceed 8.0 inches. Fill soil placed under structures shall be compacted to not less than 100 percent of the maximum dry density obtained by a Standard Proctor Test (ASTM D698). Compaction of fill material beneath any paved section should be performed to no less than 98 percent of the Standard Proctor. Fill soil containing excess moisture shall be required to dry prior to or during compaction to a moisture content not greater than 3.0 percent above or below optimum. However, for material which displays pronounced elasticity or deformation under the action of loaded rubber tire construction equipment, the moisture content shall be reduced to optimum if necessary to secure stability. Drying of wet soil shall be expedited by the use of plows, discs, or by other approved methods when so ordered by the site geotechnical engineer. Fill soil should not be placed in a frozen condition or on a frozen subgrade.

Underground utilities should be bedded in crushed granular stone, such as No. 57 or No. 8 stone, extending from 4.0 inches below the pipe to the springline of the pipe or 12.0 inches above the pipe for concrete and PVC pipe, respectively. The stone will serve as a leveling course and will provide a stable working platform. Compaction of backfill material within trench excavations located beneath any pavement areas should be

performed at no less than 98% of Standard Proctor using granular backfill placed in lifts no thicker than 8.0 inches.

4.5 Groundwater Considerations

Groundwater should be anticipated at depths as shown in Table 4 of this report. Additionally, based on our experience with the geology in the project area, groundwater conditions affecting construction may be encountered within the trapped/perched zones, such as those encountered in boring B-05. These trapped/perched zones are generally the layer(s) of granular soils that are isolated within the fine-grained soil layers and may not be identified in boring logs. Groundwater was encountered within the granular soil layers in borings B-04 and B-05, thus the flow rate could be significant. Seepage rates within the cohesive soil layers will likely be slow and able to be controlled with temporary sumps. Whereas, in granular soils, the seepage could be rapid and potentially harder to control. Where excavation extends into these layers, significant dewatering efforts will likely be needed to keep excavations dry.

Wherever encountered, proper groundwater control measures should be implemented to prevent disturbance to excavation bottoms consisting of cohesive soil, and to prevent the possible development of a quick or “boiling” condition if soft/loose silts and/or fine sands are encountered. It is preferable that the groundwater level, if encountered, be maintained at least 36.0 inches below the deepest excavation. Note that determining and maintaining actual groundwater levels during construction is the responsibility of the contractor.

5.0 LIMITATIONS OF STUDY

The above recommendations are predicated upon construction inspection by a qualified soil technician under the direct supervision of a professional geotechnical engineer. Adequate testing and inspection during construction are considered necessary to assure adequate construction of the proposed sewer.

The recommendations for this project were developed utilizing soil and bedrock information obtained from the test borings that were made at the proposed site. At this time, we would like to point out that soil borings only depict the soil conditions at the specific locations and time at which they were made. The conditions at other locations on the site may differ from those occurring at the boring locations.

The conclusions and recommendations herein have been based upon the available soil information and the preliminary design details furnished by a representative of the owner of the proposed project. Any revision in the plans for the proposed construction from those anticipated in this report should be brought to the attention of the geotechnical engineer to determine whether any changes in the foundation or earthwork recommendations are necessary. If deviations from the noted subsurface conditions are

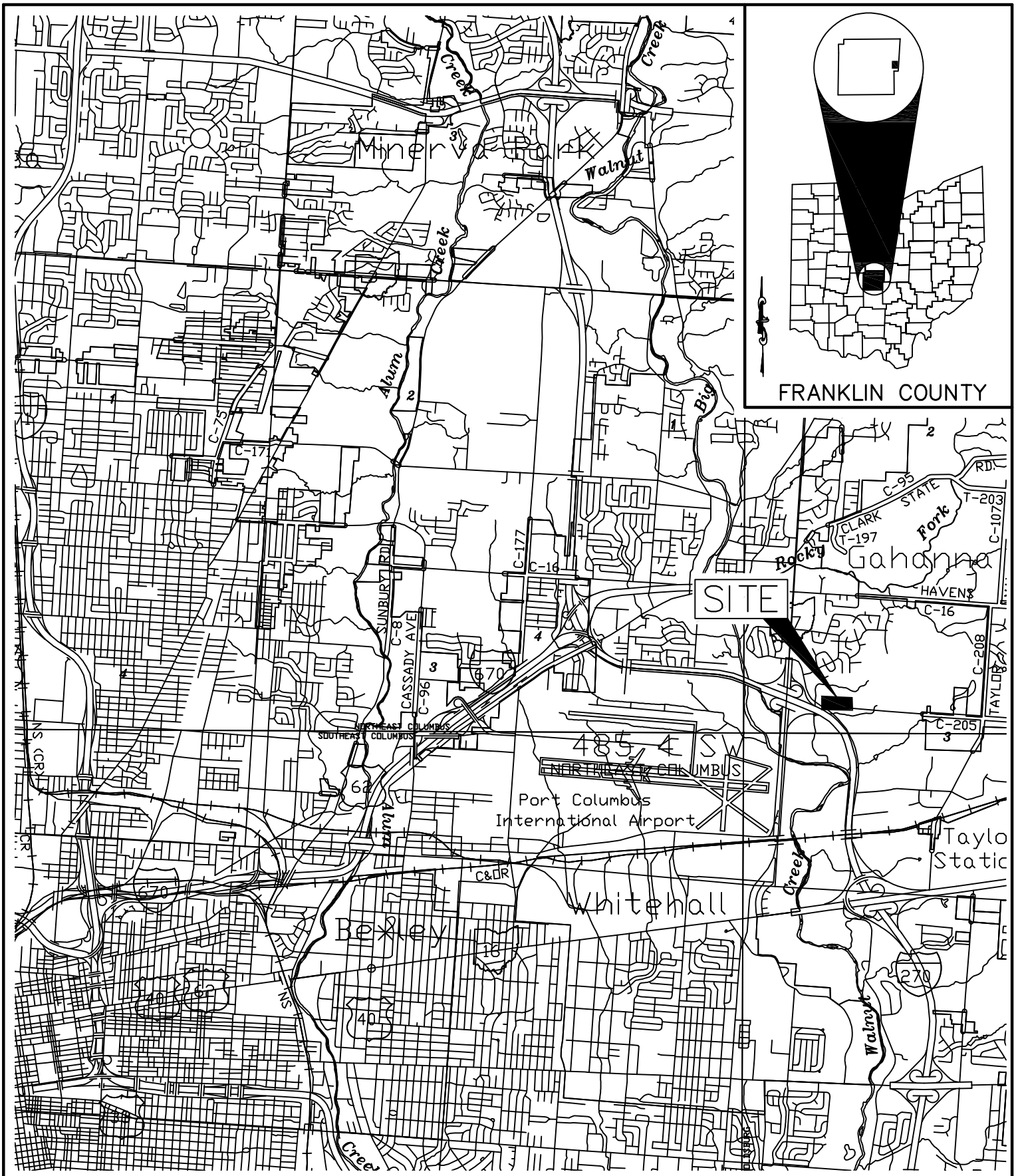
encountered during construction, they should also be brought to the attention of the geotechnical engineer.

The scope of our services does not include any environmental assessment or investigation for the presence or absence of hazardous or toxic materials in the soil, groundwater, or surface water within or beyond the site studied. Any statements in this report or on the test boring logs regarding odors, staining of soils, or other unusual conditions observed are strictly for the information of our client.

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices. Resource International is not responsible for the conclusions, opinions, or recommendations made by others based upon the data included.

APPENDIX I

VICINITY MAP AND BORING PLAN



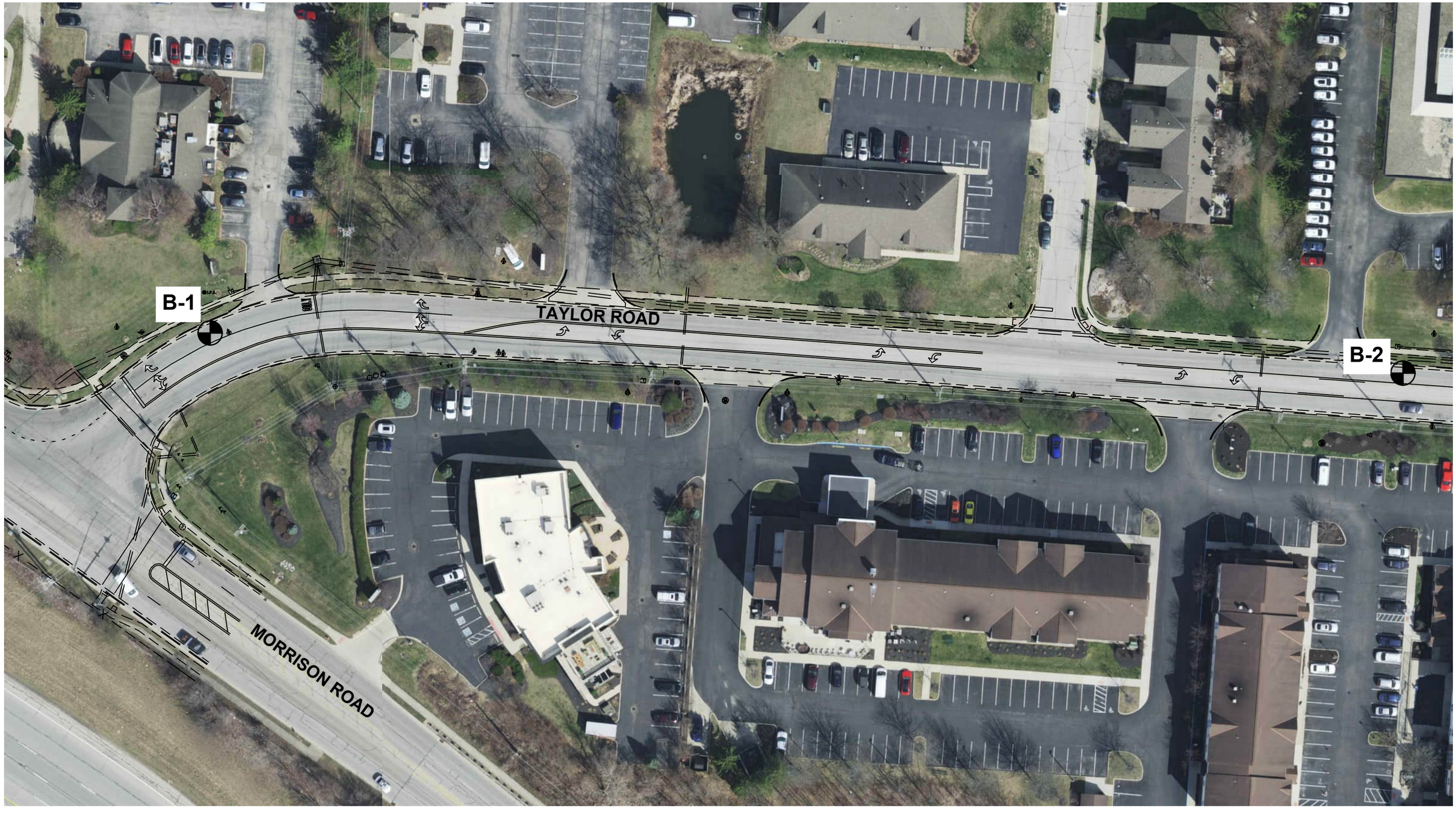
VICINITY MAP

TAYLOR ROAD WATER MAIN

GAHANNA, OHIO

RII PROJECT NO. W-25-009	DRAWN NDS
	REVIEWED MH
SCALE: 1"=5000' (0, 2500, 5000)	DATE 4/11/2025

RESOURCE INTERNATIONAL Rii



BORING PLAN - SHEET 1
TAYLOR ROAD WATER MAIN
GAHANNA, OHIO

RII PROJECT NO. W-25-009		DRAWN NDS
SCALE: 1"=60' (0, 30, 60)	N	REVIEWED MH
		DATE 4/11/2025

RESOURCE INTERNATIONAL Rii

BORING PLAN - SHEET 2

TAYLOR ROAD WATER MAIN

GAHANNA, OHIO

RII PROJECT NO. W-25-009		DRAWN NDS
SCALE: 1"=60' (0, 30, 60)	N	REVIEWED MH
		DATE 4/11/2025

RESOURCE INTERNATIONAL Rii

BORING PLAN - SHEET 3
TAYLOR ROAD WATER MAIN
GAHANNA, OHIO

RII PROJECT NO. W-25-009		DRAWN NDS
SCALE: 1"=60' (0, 30, 60)	N	REVIEWED MH
		DATE 4/11/2025

RESOURCE INTERNATIONAL Rii

APPENDIX II

DESCRIPTION OF SOIL TERMS

DESCRIPTION OF SOIL TERMS

The following terminology was used to describe soils throughout this report and is generally adapted from ASTM 2487/2488.

Granular Soils – USCS GW, GP, GM, GC, SW, SP, SM, SC, ML (non-plastic)
The relative compactness of granular soils is described as:

Description	Blows per foot – SPT (N_{60})		
Very Loose	Below		5
Loose	5	-	10
Medium Dense	11	-	30
Dense	31	-	50
Very Dense	Over		50

Cohesive Soils – USCS ML, CL, OL, MH, CH, OH, PT
The relative consistency of cohesive soils is described as:

Description	Unconfined Compression (tsf)		
Very Soft	Less than		0.25
Soft	0.25	-	0.5
Medium Stiff	0.5	-	1.0
Stiff	1.0	-	2.0
Very Stiff	2.0	-	4.0
Hard	Over		4.0

Gradation - The following size-related denominations are used to describe soils:

Soil Fraction		Size
Boulders		Larger than 12”
Cobbles		12” to 3”
Gravel	coarse	3” to ¾”
	fine	¾” to 4.75 mm (¾” to #4 Sieve)
Sand	coarse	4.75 mm to 2.0 mm (#4 to #10 Sieve)
	medium	2.0 mm to 0.42 mm (#10 to #40 Sieve)
	fine	0.42 mm to 0.074 mm (#40 to #200 Sieve)
Silt		0.074 mm to 0.005 mm (#200 to 0.005 mm)
Clay		Smaller than 0.005 mm

Modifiers of Components – The following modifiers indicate the range of percentages of the minor soil components:

Term	Range		
Trace	0%	-	10%
Little	10%	-	20%
Some	20%	-	35%
And	35%	-	50%

Moisture Table - The following moisture-related denominations are used to describe cohesive soils:

Term	Range
Dry	0% to 10%
Damp	>2% below Plastic Limit
Moist	2% below to 2% above Plastic Limit
Very Moist	>2% above Plastic Limit
Wet	≥ Liquid Limit

Organic Content – The following terms are used to describe organic soils:

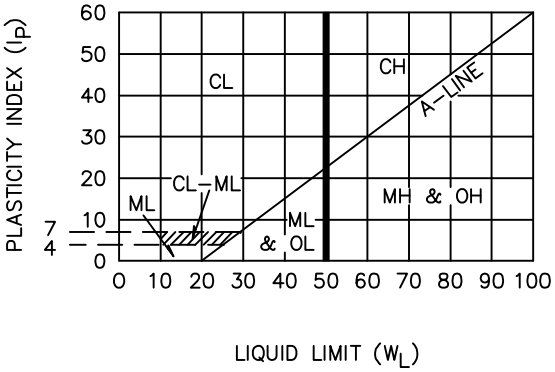
Term	Organic Content (%)
Slightly organic	2-4
Moderately organic	4-10
Highly organic	>10

Bedrock – The following terms are used to describe bedrock hardness:

Term	Parameter
Very Weak	Can be carved with knife and scratched by fingernail.
Weak	Can be grooved or gouged with knife readily.
Slightly Strong	Can be grooved or gouged 0.05 in deep with knife.
Moderately Strong	Can be scratched with knife or pick.
Strong	Can be scratched with knife or pick with difficulty.
Very Strong	Cannot be scratched by knife or pick. Hard repeated blows of hammer to detach specimen.
Extremely Strong	Cannot be scratched by knife or pick. Hard repeated blows of hammer to chip hand specimen.

UNIFIED SOIL CLASSIFICATION SYSTEM
(ASTM D 2487)

MAJOR DIVISION			GROUP SYMBOLS	TYPICAL NAMES	CLASSIFICATION CRITERIA	
COARSE-GRAINED SOILS MORE THAN 50% RETAINED ON 75μm (NO. 200) SIEVE	GRAVELS 50% OR MORE OF COARSE FRACTION RETAINED ON 4.75 mm (NO. 4) SIEVE	CLEAN GRAVELS	GW	WELL-GRADED GRAVELS AND GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	CLASSIFICATION ON BASIS PERCENTAGE OF FINES LESS THAN 5% PASS 75 μm SIEVE GW, GP, SW, SP MORE THAN 12% PASS 75 μm SIEVE GM, GC, SM, SC 5% TO 12% PASS 75 μm SIEVE BORDERLINE CLASSIFICATION REQUIRING USE OF DUAL SYMBOLS	$C_U = D_{60}/D_{10}$ GREATER THAN 4 $C_Z = \frac{(D_{30})^2}{D_{10} * D_{60}}$ BETWEEN 1 AND 3
			GP	POORLY GRADED GRAVELS AND GRAVEL-SAND MIXTURES, LITTLE OR NO FINES		NOT MEETING BOTH CRITERIA FOR GW
		GRAVELS WITH FINES	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES		ATTERBERG LIMITS PLOT BELOW "A" LINE OR PLASTICITY INDEX LESS THAN 4
			GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES		ATTERBERG LIMITS PLOT ABOVE "A" LINE AND PLASTICITY INDEX GREATER THAN 7
	SANDS MORE THAN 50% OF COARSE FRACTION PASSES 4.75 mm (NO. 4) SIEVE	CLEAN SANDS	SW	WELL-GRADED SAND AND GRAVELLY SANDS, LITTLE OR NO FINES		$C_U = D_{60}/D_{10}$ GREATER THAN 6 $C_Z = \frac{(D_{30})^2}{D_{10} * D_{60}}$ BETWEEN 1 AND 3
			SP	POORLY GRADED SANDS AND GRAVELLY SANDS, LITTLE OR NO FINES		NOT MEETING BOTH CRITERIA FOR SW
		SANDS WITH FINES	SM	SILTY SANDS, SAND-SILT MIXTURES		ATTERBERG LIMITS PLOT BELOW "A" LINE OR PLASTICITY INDEX LESS THAN 4
			SC	CLAYEY SANDS, SAND-CLAY MIXTURES		ATTERBERG LIMITS PLOT ABOVE "A" LINE AND PLASTICITY INDEX GREATER THAN 7

MAJOR DIVISION		GROUP SYMBOLS	TYPICAL NAMES	CLASSIFICATION CRITERIA
FINE-GRAINED SOILS 50% OR MORE PASSES 75 μm (NO. 200) SIEVE	SILTS AND CLAYS LIQUID LIMIT 50% OR LESS	ML	INORGANIC SILTS, VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS	 PLASTICITY CHART FOR THE CLASSIFICATION OF FINE-GRAINED SOILS
		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS	
		OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY	
	SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50%	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDS OR SILTS, ELASTIC SILTS	
		CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS	
		OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY	
HIGHLY ORGANIC SOILS		PT	PEAT, MUCK AND OTHER HIGHLY ORGANIC SOILS	FIBROUS ORGANIC MATTER; WILL CHAR, BURN, OR GLOW

APPENDIX III

BORING LOGS:

B-1 through B-5

BORING LOGS

Definitions of Abbreviations

AS = Auger sample

HP = Unconfined compressive strength as determined by a hand penetrometer (tons per square foot)

LOI = Percent organic content (by weight) as determined by ASTM D2974 (loss on ignition test)

PID = Photo-ionization detector reading (parts per million)

QR = Unconfined compressive strength of intact rock core sample as determined by ASTM D2938 (pounds per square inch)

QU = Unconfined compressive strength of soil sample as determined by ASTM D2166 (pounds per square foot)

RC = Rock core sample

REC = Ratio of total length of recovered soil or rock to the total sample length, expressed as a percentage

RQD = Rock quality designation – estimate of the degree of jointing or fracture in a rock mass, expressed as a percentage:

$$\frac{\sum \text{segments equal to or longer than 4.0 inches}}{\text{core run length}} \times 100$$

S = Sulfate content (parts per million)

SPT = Standard penetration test blow counts, per ASTM D1586. Driving resistance recorded in terms of blows per 6-inch interval while letting a 140-pound hammer free fall 30 inches to drive a 2-inch outer diameter (O.D.) split spoon sampler a total of 18 inches. The second and third intervals are added to obtain the number of blows per foot (N_m).

N_{60} = Measured blow counts corrected to an equivalent (60 percent) energy ratio (ER) by the following equation: $N_{60} = N_m*(ER/60)$

SS = Split spoon sample

2S = For instances of no recovery from standard SS interval, a 2.5 inch O.D. split spoon is driven the full length of the standard SS interval plus an additional 6.0 inches to obtain a representative sample. Only the final 6.0 inches of sample is retained. Blow counts from 2S sampling are not correlated with N_{60} values.

3S = Same as 2S, but using a 3.0 inch O.D. split spoon sampler.

TR = Top of rock

USCS = Unified Soil Classification System per ASTM D2487

W = Seepage encountered during drilling

▽ = Initial water level measured during drilling

▼ = Water level measured at completion of drilling

Classification Test Data

Gradation (as defined on Description of Soil Terms):

GR = % Gravel
SA = % Sand
SI = % Silt
CL = % Clay

Atterberg Limits:

LL = Liquid limit
PL = Plastic limit
PI = Plasticity Index
WC = Water content (%)

RESOURCE INTERNATIONAL, INC.

PROJECT: W-25-009	DRILLING FIRM / OPERATOR: RII / SD	DRILL RIG: MOBILE B46	NORTHING 729897.279	**EXPLORATION ID**
NAME: Taylor Road Water Main	SAMPLING FIRM / LOGGER: RII / BH	HAMMER: Automatic	EASTING: 1867381.127	**B-01**
CLIENT: Fishbeck	DRILLING METHOD: 4.5" CFA	CALIBRATION DATE: 3/22/25	ELEVATION: 804.7 ft.	PAGE 1 OF 1
START: 4-1-25 END: 4-1-25	SAMPLING METHOD: SPT	ENERGY RATIO (%): 84.3	COMPLETION DEPTH: 15.0 ft.	

ELEV. 804.7	DEPTHS	SAMPLE ID	SPT/ RQD	N_{60}	REC (%)	HP (tsf)	MATERIAL DESCRIPTION AND NOTES	GR	SA	SI	CL	LL	PL	PI	WC	USCS CLASS	BACK FILL
803.6							1.1' - ASPHALT (13.0")										
803.2							0.4' - AGGREGATE BASE (5.0")										
	1																
	2	SS-1	6 7 6	18	72	3.5	**POSSIBLE FILL**: Very stiff, brownish gray to dark brown **SANDY LEAN CLAY**, damp.								12	CL (V)	
801.7	3																
	4	SS-2	3 5 5	14	58	2.75	Very stiff, brownish gray to dark brown **SANDY FAT CLAY**, moist.									CH (V)	
	5																
	6																
	7	SS-3	3 7 7	20	78	2.75		4.9	25.5	35.7	33.9	52	19	33	22	CH	
796.7	8																
	9	SS-4	2 3 4	10	56	1.75	Stiff to very stiff, dark brown **SANDY LEAN CLAY**, very moist.									CL (V)	
	W 10																
	11																
	12																
	13																
	14	SS-5	3 4 7	15	81	3.5									13	CL (V)	
789.7	EOB 15																

NOTES: Seepage @ 9.8'. Groundwater initially encountered @ 13.5'. Groundwater upon completion @ 12.7'. Cave-in depth @ 13.5'.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: Backfilled with bentonite chips and soil cuttings. Pavement patched with concrete.

000-23 RII USCS BORING LOG - OH DOT.GDT - 5/2/25 10:59 - U:\GI\8\PROJECTS\2025\W-25-009.GPJ

RESOURCE INTERNATIONAL, INC.

PROJECT: W-25-009	DRILLING FIRM / OPERATOR: RII / SD	DRILL RIG: MOBILE B46	NORTHING 729870.840	**EXPLORATION ID**
NAME: Taylor Road Water Main	SAMPLING FIRM / LOGGER: RII / BH	HAMMER: Automatic	EASTING: 1868168.721	**B-02**
CLIENT: Fishbeck	DRILLING METHOD: 4.5" CFA	CALIBRATION DATE: 3/22/25	ELEVATION: 818.3 ft.	PAGE 1 OF 1
START: 4-1-25 END: 4-1-25	SAMPLING METHOD: SPT	ENERGY RATIO (%): 84.3	COMPLETION DEPTH: 15.0 ft.	

ELEV. 818.3	DEPTHS	SAMPLE ID	SPT/ RQD	N_{60}	REC (%)	HP (tsf)	MATERIAL DESCRIPTION AND NOTES	GRADATION (%) GR	SA	SI	CL	ATTERBERG LL	PL	PI	WC	USCS CLASS	BACK FILL
817.4							0.9' - ASPHALT (10.5")										
817.1							0.3' - AGGREGATE BASE (3.5")										
	1–3	SS-1	3 4 6	14	50	3.75	**FILL**: Very stiff, brown to orange to light red to dark gray **LEAN CLAY WITH SAND**, moist.									CL (V)	
	4–5	SS-2	2 4 6	14	64	2.5									17	CL (V)	
	6–7	SS-3	16 44 10	76	0		- BRICK, ASPHALT, AND AGGREGATE FRAGMENTS IN 2S-3A										
810.3	8	2S-3A	18	-	100	3.5									13	CL (V)	
	9–10	SS-4	3 4 7	15	56	3.75	Very stiff, grayish brown **FAT CLAY WITH SAND**, moist.								26	CH (V)	
806.6	11–12						Hard, brownish gray to grayish red **SILTY CLAY**, damp.										
	13–14	SS-5	7 18 32	70	78	4.5										CL-ML (V)	
803.3	EOB 15																

NOTES: Groundwater initially encountered @ 7.5'. Groundwater upon completion @ 5.4'. Cave-in depth @ 9.6'.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: Backfilled with bentonite chips and soil cuttings. Pavement patched with concrete.

000-23 RII USCS BORING LOG - OH DOT.GDT - 5/2/25 10:59 - U:\GI\8\PROJECTS\2025\W-25-009.GPJ

RESOURCE INTERNATIONAL, INC.

PROJECT: W-25-009	DRILLING FIRM / OPERATOR: RII / SD	DRILL RIG: MOBILE B46	NORTHING 729806.577	**EXPLORATION ID**
NAME: Taylor Road Water Main	SAMPLING FIRM / LOGGER: RII / BH	HAMMER: Automatic	EASTING: 1869036.653	**B-03**
CLIENT: Fishbeck	DRILLING METHOD: 4.5" CFA	CALIBRATION DATE: 3/22/25	ELEVATION: 832.4 ft.	PAGE
START: 4-1-25 END: 4-1-25	SAMPLING METHOD: SPT	ENERGY RATIO (%): 84.3	COMPLETION DEPTH: 14.3 ft.	1 OF 1

ELEV. 832.4	DEPTHS	SAMPLE ID	SPT/ RQD	N_{60}	REC (%)	HP (tsf)	*MATERIAL DESCRIPTION AND NOTES*	GR	SA	SI	CL	LL	PL	PI	WC	USCS CLASS	BACK FILL
831.5							0.9' - ASPHALT (10.75")										
830.9							0.6' - AGGREGATE BASE (7.25")										
	1																
	2	SS-1	3 4 6	14	53	3.75	Very stiff to hard, brown to brownish gray and red **LEAN CLAY**, moist to damp.								19	CL (V)	
	3																
	4	SS-2	4 6 10	22	89	4.5+		0.0	6.8	40.1	53.1	43	20	23	17	CL	
826.9	5																
	6						**SHALE** : red, highly weathered.										
	7	SS-3	14 21 29	70	78		-Bag sample obtained @ 5.0-10.0'									Rock (V)	
	8																
	9	SS-4	17 29 38	94	100											Rock (V)	
	10																
	11																
	12																
	13																
818.1	14 EOB	SS-5	30 50/4"	-	100											Rock (V)	

NOTES: Groundwater not encountered during drilling. Cave-in depth @ 13.5'.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: Backfilled with bentonite chips and soil cuttings. Pavement patched with concrete.

000-23 RII USCS BORING LOG - OH DOT.GDT - 5/2/25 10:59 - U:\GI\8\PROJECTS\2025\W-25-009.GPJ

RESOURCE INTERNATIONAL, INC.

PROJECT: W-25-009	DRILLING FIRM / OPERATOR: RII / SD	DRILL RIG: MOBILE B46	NORTHING 729745.000	**EXPLORATION ID**
NAME: Taylor Road Water Main	SAMPLING FIRM / LOGGER: RII / BH	HAMMER: Automatic	EASTING: 1869877.145	**B-04**
CLIENT: Fishbeck	DRILLING METHOD: 4.5" CFA	CALIBRATION DATE: 3/22/25	ELEVATION: 846.1 ft.	PAGE 1 OF 1
START: 4-1-25 END: 4-1-25	SAMPLING METHOD: SPT	ENERGY RATIO (%): 84.3	COMPLETION DEPTH: 14.3 ft.	

ELEV. 846.1	DEPTHS	SAMPLE ID	SPT/ RQD	N_{60}	REC (%)	HP (tsf)	MATERIAL DESCRIPTION AND NOTES	GRADATION (%) GR	SA	SI	CL	ATTERBERG LL	PL	PI	WC	USCS CLASS	BACK FILL
845.2							0.9' - ASPHALT (11.0")										
844.5							0.7' - AGGREGATE BASE (8.0")										
842.8	2	SS-1	4 3 6	13	47	3.5	Very stiff, light brown to brownish gray **LEAN CLAY**, moist.								21	CL (V)	
842.1	4	SS-2A	2	6	89	0.75	Medium stiff, brownish gray to dark brown **SILTY CLAY**, very moist.								22	CL-ML (V)	
840.6	5	SS-2B	2 2				Loose, brownish gray to dark brown **CLAYEY SAND**, very moist.								22	SC (V)	
	6 ▽																
	6 ▼						**SHALE** : red, highly weathered.										
	7	SS-3	11 16 20	51	72											Rock (V)	
	8																
	9	SS-4	16 29 35	90	97											Rock (V)	
	10																
	11																
	12																
	13																
831.8	14 EOB	SS-5	24 50/4"	-	100											Rock (V)	

NOTES: Groundwater initially encountered @ 6.0'. Groundwater upon completion @ 6.6'. Cave-in depth @ 12.9'.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: Backfilled with bentonite chips and soil cuttings. Pavement patched with concrete.

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RESOURCE INTERNATIONAL, INC.

PROJECT: W-25-009	DRILLING FIRM / OPERATOR: RII / SD	DRILL RIG: MOBILE B46	NORTHING 729691.949	**EXPLORATION ID**
NAME: Taylor Road Water Main	SAMPLING FIRM / LOGGER: RII / BH	HAMMER: Automatic	EASTING: 1870638.943	**B-05**
CLIENT: Fishbeck	DRILLING METHOD: 4.5" CFA	CALIBRATION DATE: 3/22/25	ELEVATION: 864.6 ft.	PAGE 1 OF 1
START: 4-1-25 END: 4-1-25	SAMPLING METHOD: SPT	ENERGY RATIO (%): 84.3	COMPLETION DEPTH: 15.0 ft.	

ELEV. 864.6	DEPTHS	SAMPLE ID	SPT/ RQD	N_{60}	REC (%)	HP (tsf)	*MATERIAL DESCRIPTION AND NOTES*	GR	SA	SI	CL	LL	PL	PI	WC	USCS CLASS	BACK FILL
863.6							1.0' - ASPHALT (11.75")										
862.9							0.7' - AGGREGATE BASE (8.25")										
	1–3	SS-1A / SS-1B	5 / 6 / 4	14	75		Loose to medium dense, brownish gray to brown **CLAYEY SAND**, moist to damp.								15	SC (V)	
	4–5	SS-2	1 / 3 / 4	10	78			0.1	59.1	30.5	10.4	55	19	36	26	SC	
	6–7	SS-3	6 / 7 / 8	21	83										17	SC (V)	
856.6	▼ 7																
	W 8						Medium stiff, brownish gray **SILTY CLAY**, very moist.										
	9–10	SS-4	2 / 2 / 4	8	50											CL-ML (V)	
852.8	11–12						Medium dense, brownish gray **SILTY SAND**, wet.										
	▽ 13–14	SS-5	2 / 3 / 10	18	67										16	SM (V)	
849.6	EOB 15																

NOTES: Seepage @ 8.5'. Groundwater initially encountered @ 13.5'. Groundwater upon completion @ 7.5'. Cave-in depth @ 12.5'.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: Backfilled with bentonite chips and soil cuttings. Pavement patched with concrete.

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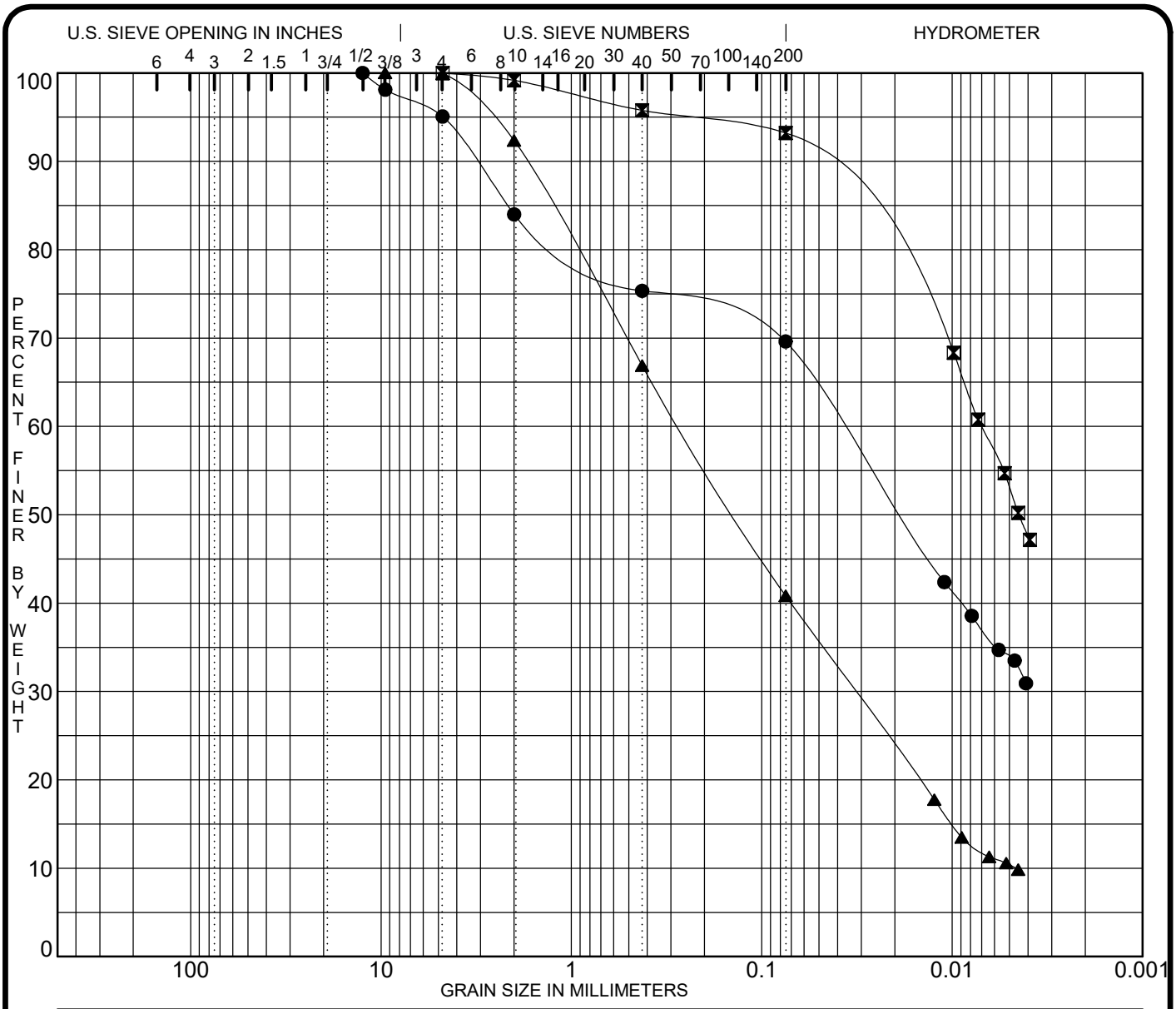
APPENDIX IV

LABORATORY TEST RESULTS



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

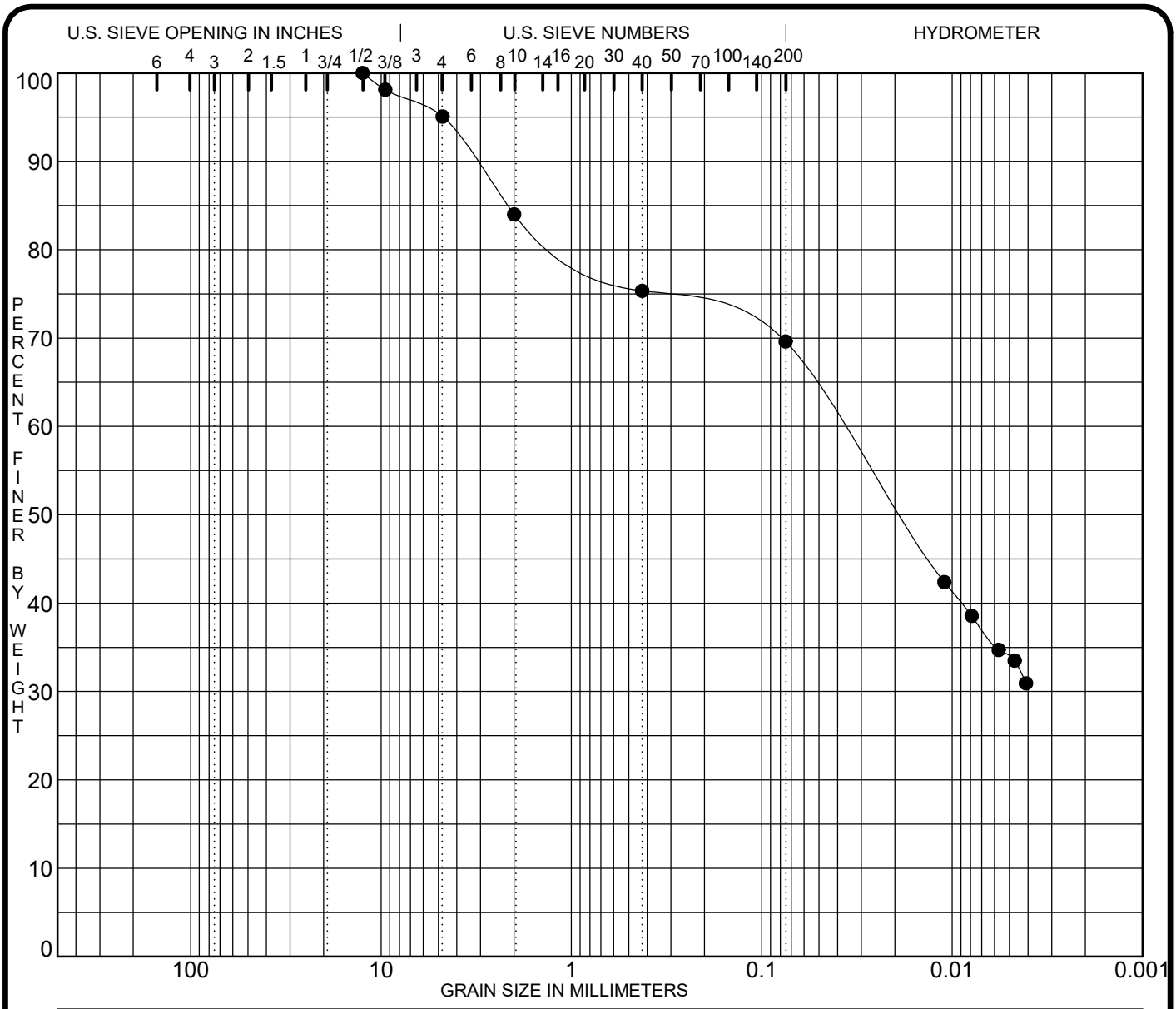
	Specimen ID	Depth	Classification	MC%	LL	PL	PI	Cc	Cu
●	**B-01**	**6.0**	**SANDY FAT CLAY CH**	**22**	**52**	**19**	**33**		
⊠	**B-03**	**3.5**	**LEAN CLAY CL**	**17**	**43**	**20**	**23**		
▲	**B-05**	**3.5**	**CLAYEY SAND SC**	**26**	**55**	**19**	**36**	**0.83**	**57.9**

	Specimen ID	Depth	D100	D60	D30	D10	%Gravel coarse	%Gravel fine	%Sand coarse	%Sand medium	%Sand fine	%Silt	%Clay
●	**B-01**	**6.0**	**12.50**	**0.04**			**0.0**	**4.9**	**11.1**	**8.7**	**5.7**	**35.7**	**33.9**
⊠	**B-03**	**3.5**	**4.75**	**0.01**			**0.0**	**0.0**	**0.8**	**3.4**	**2.6**	**40.1**	**53.1**
▲	**B-05**	**3.5**	**9.50**	**0.27**	**0.032**	**0.0046**	**0.0**	**0.1**	**7.6**	**25.5**	**26.1**	**30.5**	**10.4**

PROJECT **Taylor Road Water Main** PROJECT NO. **W-25-009**

GRADATION CURVES

RII



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

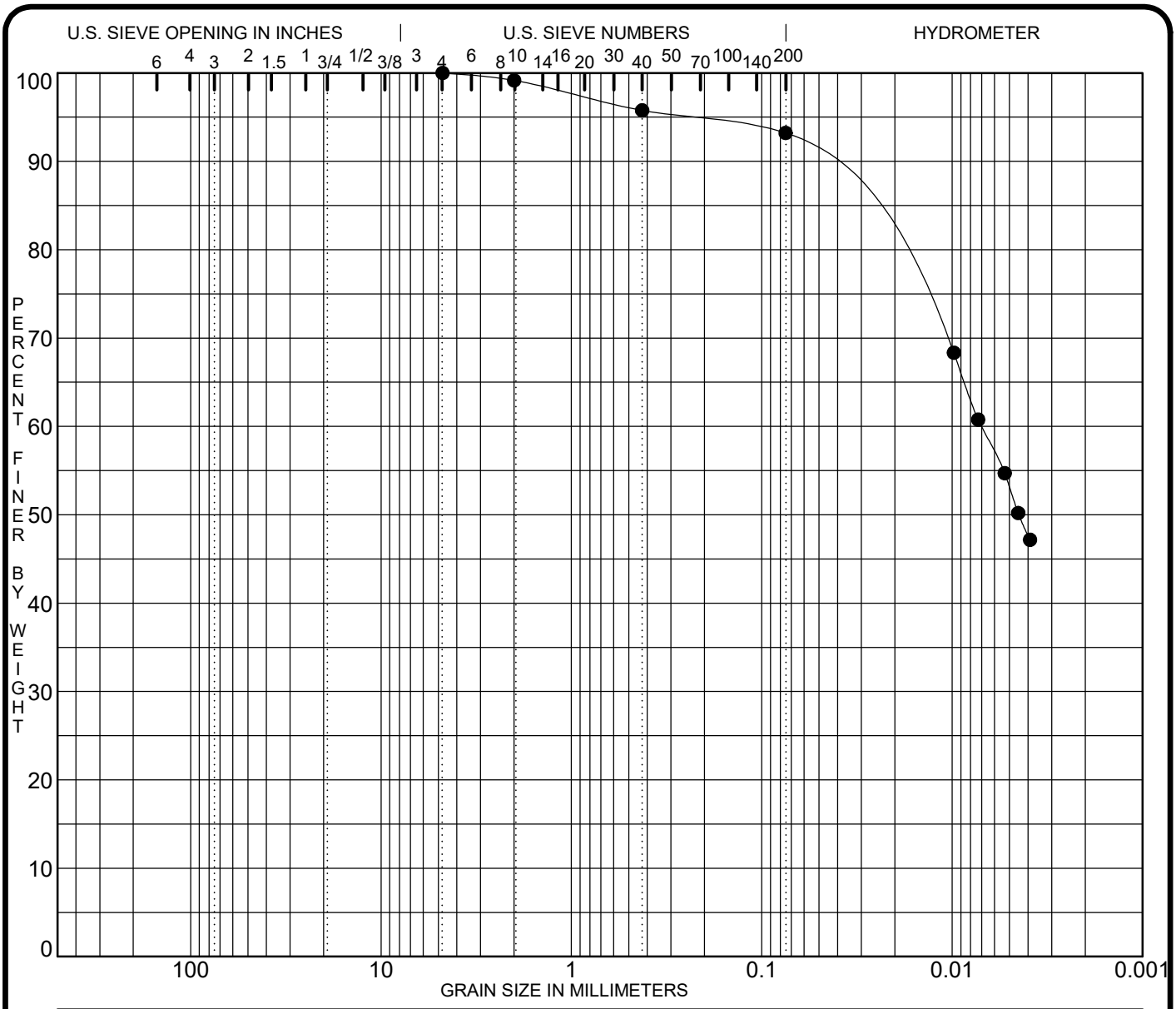
	Specimen ID	Depth	Classification	MC%	LL	PL	PI	Cc	Cu
●	**B-01**	**6.0**	**SANDY FAT CLAY CH**	**22**	**52**	**19**	**33**		

	Specimen ID	Depth	D100	D60	D30	D10	%Gravel coarse	%Gravel fine	%Sand coarse	%Sand medium	%Sand fine	%Silt	%Clay
●	**B-01**	**6.0**	**12.50**	**0.04**			**0.0**	**4.9**	**11.1**	**8.7**	**5.7**	**35.7**	**33.9**

PROJECT **Taylor Road Water Main** PROJECT NO. **W-25-009**

GRADATION CURVES

RII



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

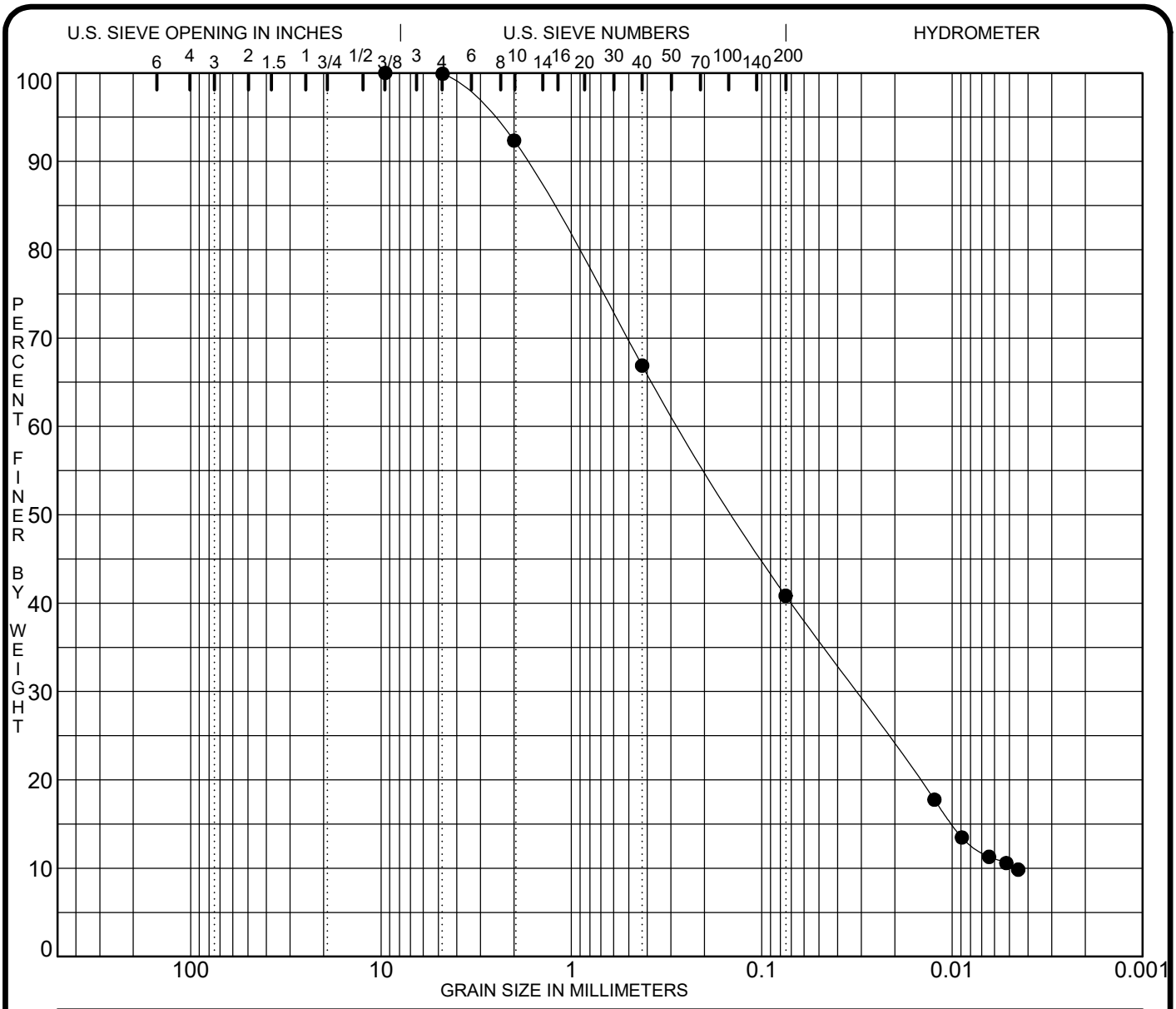
	Specimen ID	Depth	Classification	MC%	LL	PL	PI	Cc	Cu
●	**B-03**	**3.5**	**LEAN CLAY CL**	**17**	**43**	**20**	**23**		

	Specimen ID	Depth	D100	D60	D30	D10	%Gravel coarse	%Gravel fine	%Sand coarse	%Sand medium	%Sand fine	%Silt	%Clay
●	**B-03**	**3.5**	**4.75**	**0.01**			**0.0**	**0.0**	**0.8**	**3.4**	**2.6**	**40.1**	**53.1**

PROJECT **Taylor Road Water Main** PROJECT NO. **W-25-009**

GRADATION CURVES

RII



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

	Specimen ID	Depth	Classification	MC%	LL	PL	PI	Cc	Cu
●	**B-05**	**3.5**	**CLAYEY SAND SC**	**26**	**55**	**19**	**36**	**0.83**	**57.9**

	Specimen ID	Depth	D100	D60	D30	D10	%Gravel coarse	%Gravel fine	%Sand coarse	%Sand medium	%Sand fine	%Silt	%Clay
●	**B-05**	**3.5**	**9.50**	**0.27**	**0.032**	**0.0046**	**0.0**	**0.1**	**7.6**	**25.5**	**26.1**	**30.5**	**10.4**

PROJECT **Taylor Road Water Main** PROJECT NO. **W-25-009**

GRADATION CURVES

RII

RESOURCE INTERNATIONAL, INC.
Engineering Consultants

6350 Presidential Gateway
Columbus, Ohio 43231
Telephone: (614) 823-4949
Fax Number: (614) 823-4990

Project Name: Taylor Road Water Main
Project No.: W-25-009

Date: 4/23/2025
Tested by: EM/KL

pH of Soils
(ASTM D4972 - Method A)

Sieve # 10: X

Boring ID	Sample ID	Depth (feet)	pH in water	pH in calcium chloride sol.	Temp. (C)
B-3	BS	5.0'-10.0'	8.10	7.9	25

RESOURCE INTERNATIONAL, INC.

Engineering Consultants

6350 Presidential Gateway
Columbus, OH 43231
Phone: (614) 823-4949
Fax: (614) 823-4990

Project Name: Taylor Road Water Main
Project No.: W-25-009

Date: 4/23/2025
Teste: EM/KL

Testing for Water-Soluble Chloride Ion in Soil (AASHTO T-291)

Method of Testing: Method A

Boring ID	Sample ID	Depth (feet)	Water-soluble Chloride Ion in Soil (mg/kg)
B-3	BS	5.0'-10.0'	80

RESOURCE INTERNATIONAL, INC.
Engineering Consultants

6350 Presidential Gateway
Columbus, Ohio 43231
Telephone: (614) 823-4949
Fax Number: (614) 823-4990

Project Name: Project Name: Taylor Road Water Main
Project No.: Project No.: W-25-009

Date: 4/23/2025
Tested by: EM/KL

Measurement of Oxidation-Reduction Potential (ORP) of Soil

(ASTM G200)

Boring ID	Sample ID	Depth (feet)	ORP (mV)
B-3	BS	5.0'-10.0'	158

RESOURCE INTERNATIONAL, INC.
Engineering Consultants

6350 Presidential Gateway
Columbus, Ohio 43231
Telephone: (614) 823-4949
Fax Number: (614) 823-4990

Project Name: Taylor Road Water Main
Project No.: W-25-009

Date: 4/23/2025
Tested by: EM/KL

Minimum Laboratory Soil Resistivity (AASHTO T-288)

Boring ID	Sample ID	Depth (feet)	Resistivity (ohm/cm)
B-3	BS	5.0'-10.0'	1,200

RESOURCE INTERNATIONAL, INC.

Engineering Consultants

6350 Presidential Gateway
Columbus, OH 43231
Phone: (614) 823-4949
Fax: (614) 823-4990

Project Name: Project Name: Taylor Road Water Main
Project No.: Project No.: W-25-009

Date: 4/23/2025
Teste: EM/KL

Testing for Sulfate Content in Soil (ODOT S 1122)

Boring ID	Sample ID	Depth (feet)	Sulfate content (ppm)
B-3	BS	5.0'-10.0'	80

RESOURCE INTERNATIONAL, INC.
Engineering Consultants

6350 Presidential Gateway
Columbus, Ohio 43231
Telephone: (614) 823-4949
Fax Number: (614) 823-4990

Project Name Taylor Road Water Main
Project No.: W-25-009

Date: 4/23/2025
Tested by: EM/KL

Sodium Azide-Iodine Qualitative Test

(AWWA C105)

Boring ID	Sample ID	Depth (feet)	Sulfide result
B-3	BS	5.0'-10.0'	Negativ

fishbeck
Engineers | Architects | Scientists | Constructors

One East Campus View Boulevard, Suite 310
Columbus, Ohio 43235

614.363.1001 | fishbeck.com

Meeting Minutes

PROJECT:	Taylor Road Water Main Replacement	**PROJECT NO.:**	241550
SUBJECT:	Prebid Meeting	**MEETING DATE:**	October 31, 2025
		START: 10:00 a.m.	**ADJOURN:** 10:30 a.m.
MEETING SITE:	200 Hamilton Road, Gahanna, OH 43230 Videoconference	**DISTRIBUTION DATE:**	November 3, 2025
PREPARED BY:	Jayne Griffith	**ATTACHMENTS:**	☒ Yes ☐ No
ATTENDING:	Gahanna – Holly Boyer, Steve Savanick Potential Bidders – Brad Beltz, Chase Dinan, Kevin Lewis, Tim Root, Sheila Rupa, Doug Smith, Bill Watters Fishbeck – Jayne Griffith, Brenda VanCleave		
DISTRIBUTION:	Attendees, Matt Jones (Gahanna)		

If information contained herein is thought to be inaccurate or incorrect, please contact writer at once for resolution.

These minutes were developed using the meeting's agenda. Changes to the agenda are reflected in BOLD lettering.

A. Introduction
   1. Introductions
   2. Purpose of Prebid Conference
      a. **The purpose of this prebid meeting is to discuss project goals and provide project and bidding requirements.**
   3. Attendee Sign-In
      a. **See attached.**

B. Bidding Requirements
   1. Availability of Bidding Documents
      a. **All project documents are available on BidExpress.**
   2. Submittal of Bids
      a. **Bids will be received online through BidExpress until 2:00 p.m. on November 12, 2025. All bids will be publicly opened and read aloud at that time. This information can be found in the Invitation to Bid specification section. Bidders are required to have a BidExpress account to submit a bid. For prospective bidders without an account, it is recommended that one be set up promptly as the registration may take several days to process.**
   3. Interpretation Period
   4. Division of Work between Contractor and Subcontractor/Suppliers
      a. **Documents have been set up in a manner that allows for subdivision of the work. However, we are not dictating how the work is to be divided, and our division of the work should be treated as a recommendation.**

5. Contract Times
   a. Notice to Proceed expected January 2026.
   b. Substantial Completion expected September 2026.
   c. Final Completion expected October 2026.
   d. Proposed dates are aggressive to maintain schedule with proposed Columbia Gas transmission main.
6. Funding Requirements
   a. There is no special funding for this project. No federal prevailing wage requirements will be applicable. State prevailing wages will be applicable.

C. Project Specifics
1. Project Description
   a. The project consists of installing a 16-inch C909 water main along Taylor Road to replace the existing 12-inch water main. Sidewalks on the north end of the road will also be widened to 5-feet to maintain PROWAG compliance. Tree removal and planting will also be required as part of the sidewalk reconstruction.
2. Construction Sequencing
   a. A *suggested* work sequence has been provided in the construction drawings. The Contractor is solely responsible for construction sequencing and scheduling. Information in the drawings is presented only for the purpose of communicating information determined during design that might help the Contractor develop their schedule and work sequence. Construction shall be sequenced to maintain traffic during periods of high demand and to minimize traffic disruptions.
3. Addenda Status
   a. Last day for questions is Wednesday, November 5, 2025. All questions shall be submitted through BidExpress. Questions can be submitted after November 5, 2025, but may not be answered. Even after that date, you are encouraged to bring questions forward as we still may be able to help provide clarification.
   b. Addendum No. 1 is expected to be issued on Monday, November 3, 2025, and will include the geotechnical report. The last day for addenda is Friday, November 7, 2025.
4. Items of Special Mention
   a. Directional drilling below an existing 54-inch culvert will be required as part of the project.

D. Owner Comments

E. Bidder Comments
1. There were no initial concerns regarding the plans and bidding documents.

F. Action Items
1. Fishbeck to confirm the party responsible for performing chlorination and hydrostatic testing. This confirmation will be provided in Addendum No. 1.

Attendance Sheet

fishbeck

MEETING: Prebid Meeting

DATE: October 31, 2025 **TIME:** 10 am **PROJECT NAME:** Taylor Road Water Main Relocation

LOCATION: City of Gahanna **PROJECT NO.:** 2415500.00

ATTENDED (INITIALS)	NAME	COMPANY REPRESENTED	PHONE NO.	EMAIL
BV	Brenda VanCleave	Fishbeck/City of Gahanna	614.363.1014	bvancleave@fishbeck.com
JG	Jayne Griffith	Fishbeck	614.363.1018	jgriffith@fishbeck.com
HAB	Holly Boyer	City of Gahanna	614-342-4058	holly.boyer@gahanna.gov
	Angela Roth	City of Gahanna		angela.roth@gahanna.gov
	Shella Trupa	Ohio Laborers' Local	615-470-2116	strupa@ohiolocal.com
	BRAD BELTZ	TRACCO Construction	740-396-0115	brad.beltz@traccoconstruction.com
	Chase Dinan	Kendrick	740-319-4095	chasecd@kexinc.com
	Steve Swartz	COG	216 906 5114	
	Kevin Lewis	Ohio LECET	614 315 1589	Klewis@OHIOLECET.com
	Bill Watters	Dirt Dawg Excavating	419-289 0778	estimating@dirtdawgexcavating.com
	~~Holly A. Boyer~~			
virtual	Tim Root	Stantec		
	Doug Smith	Boss Excavating	614-579-0079	dsmith@bossegi.com

Gahanna

ADDENDUM #2
TAYLOR ROAD WATER MAIN REPLACEMENT, ST-1121

1. Question: What are the requirements for temporary pavement repair? With a January start date permanent pavement repair likely will not be able to be performed until April.
    a. Answer: Quantities for temporary pavement are provided in the bid tab. Temporary pavement shall be performed per City of Columbus Standard Drawing 2161.
2. Question: Can traffic lights be used for traffic control in replace of flaggers?
    a. Answer: No. We don't see them as cost effective with two-way traffic to be maintained.
3. Question: Will the westbound lane of Taylor Rd. be required to be reopened nightly?
    a. Answer: No, the westbound lane can remain closed. Work site must be properly secured per OMUTCD at the end of the workday.
4. Question: Can services crossing Taylor Rd be installed utilizing trenchless installation methods?
    a. Answer: Yes, at no additional cost to the owner. Contractor must maintain clearance distances with other utilities and pothole prior to boring.
5. Question: If the water line trench is to receive 10" of #301 asphalt concrete base before milling and overlay, what is bid item #15 permanent pavement replacement for?
    a. Answer: Permanent Pavement is intended for the sections of pipe crossing over to the south side of the road. The bid quantities have been updated to reflect this.
6. Question: What type of field office will be required for the project? Type A, B, or C?
    a. Answer: The City does not require a field office. This item can be removed from the quantities and bid form.
7. Question: Per Key Note #1 on Sheet C101, we are to include 80' of 2" service pipe for bidding purposes. It appears this quantity and a 2" curb stop has not been included with the bid quantities.
    a. Answer: 80 feet of 2" service pipe and a curb stop have been added to the bid table.
8. Question: The trench detail on Sheet C003 shows a width of 4'. Is this the minimum width required for the 16-inch water main?
    a. Answer: COC Std Drawing L-6309A allows for a typical trench width of pipe ID + 24". For a 16-inch pipe, that's 3.3 ft. We rounded up to make it the width of one trench box.
9. Question: Since the project requires milling, can a bid item be added to the work?
    a. Answer: Yes, a bid item has been added as Item 254 Pavement Planing, Asphalt Concrete
10. Question: Are we to include the 16" pipe with the directional bore item? If so, this quantity needs to be deducted from the open cut total.
    a. Answer: Yes, please include the 16-inch pipe with the directional bore item. This quantity of pipe has been deducted from the open cut total.
11. Question: Per City of Columbus specifications, 6" pipe and valves for hydrants is typically paid for through the 6" pay items. It appears the quantity of 6-inch pipe and valves does not reflect this. Are we to include the 6" pipe and valves with the hydrant bid item?
    a. Answer: Yes, please include the 6" pipe and valves with the hydrant pay item.
12. Question: Typically the temporary pavement item has a unit measure of square yard. Not sure if the quantity is a typo but it does not match the general summary on sheet C008.
    a. Answer: The bid sheet has been corrected to match the general summary on Sheet C008.
13. Question: Regarding compaction testing, who pays for this if required?
    a. Answer: The City will pay for this item through their contract with a private firm for CA/CI.
14. Question: Please clarify that the contractor will be able to utilize PVC restrained joint pipe for the directional bore?
    a. Answer: Please bid as specified (HDPE).

15. Question: Is the quantity for bid item #10 correct – construction seeding and mulching? Usually, this quantity would match the seeding and mulching item.
    a. Answer: The quantity has been updated in the bid tab.
16. Question: What detail is to be followed for Ref #35?
    a. Answer: City of Columbus' standard drawing 2161.
17. Question: On Sheet C003, Typical Taylor Road Trench Detail. Note 5. One lane is to be milled & filled over or trench. Does this apply to the portions crossing over to the opposite side?
    a. Answer: No, the portions crossing the street are not to be milled and filled. They are to be repaired per Columbus Standard Drawing 1441.
18. In Section 802, it does not specify a specific insertion valve. Is there a specific insertion valve intended for this project?
    a. Answer: We prefer the TEAM Industrial Services Insert Valve or approved equal.
19. In the Notice to Bidders, it states the work is anticipated to start in January of 26. Just to clarify that this is not a set date and will allow time for the submittal process and securing of materials?
    a. Answer: Correct. Not a set date, however, the substantial completion date is a set date of September 2026.
20. Just to clarify Ref #18 Traffic Compacted Services Type A or B should be Traffic Compacted Surfaces?
    a. Answer: Correct. Traffic Compacted *Surfaces*.
21. Is there a portion in the spec book/bid book with the bid item descriptions?
    a. Answer: All item numbers are City of Columbus CMSC with the exception of those called out as SPEC. Those SPECs are provided separately.
22. Which spec is to be followed for the 16" WL? If I'm not mistaken Columbus only approves PVC for 6" and 8"?
    a. Answer: The supplemental specifications provide for the use of PVC for 16-inch pipes when working within the City of Gahanna.
23. Can we please get some more details on the requirements for the field office?
    a. The bid item for a field office has been removed.
24. The following items have changed: The engineer's estimate is now $2,952,000.
25. A Revised Bid Package & Notice to bidders is attached. The Engineer's Estimate has been revised as well as Section I. Method of Award, K. Substitution/Non-Specified Products and S. Modification/ Withdrawal of Bids have correction as seen in red on the revised attached document.
26. A Revised Gahanna General Conditions 2025 is also attached with revisions in red.

Please sign and upload a .pdf copy to the Additional Material Upload section located on Bid Express under the Contractor's Qualification Statement due on **November 12, 2025 @ 2:00 PM.**

ADDENDUM # 2 is hereby acknowledged:

ASST. VICE.
Signature and Title

SHELLY AND SANDS, INC
Company Name

11/20/25
Date

Issued: November 6, 2025

Gahanna

ADDENDUM #3
TAYLOR ROAD WATER MAIN REPLACEMENT, ST-1121

1. Question: Per City of Columbus 808, abandonments are paid by each, which would match the general summary located on sheet C009. Is there a reason why the quantities are by the foot? Is the City of Gahanna expecting the existing watermain to be filled with controlled density fill?
    a. Answer: No, this is an error on our part. The pipe does not need to be filled. It can be cut and capped per Item 808. **Bid Items 74,75,76,77 will change to each and item 78 will have a 0 quantity. Attached is revised Sheet C010**

2. The Engineer's Estimate has been revised to **$2,947,000.00.**

3. It is anticipated that due to the holidays it may take longer than 60 days for an executed contract and notice to proceed: bidding on the project signifies a mutual acceptance of a necessary bid extension beyond the typical 60-day timeline.

Please sign and upload a .pdf copy to the Additional Material Upload section located on Bid Express under the Contractor's Qualification Statement due on **November 20, 2025 @ 2:00 PM.**

ADDENDUM # 3 is hereby acknowledged:

ASST. VICE-PRESIDENT
Signature and Title

SHELLY AND SANDS, INC
Company Name

11/20/25
Date

Issued: November 10, 2025

Gahanna

ADDENDUM #4
TAYLOR ROAD WATER MAIN REPLACEMENT, ST-1121

1. Question: Can you please explain the difference in Bid Items #28 & #29? Is there a reason they are separate?
    a. Answer: These are two different line items. There are two item #28. That is being correct to
        i. #28 608-4" Concrete Sidewalk Restoration – 14,356.00 SF
        ii. #29 608-6" Concrete Sidewalk Restoration – 1,118.00 SF

2. Question: Ref 59 is listed as 12" Gate Valve in the bid form and 16" Gate Valve in the plans. I believe 16" is correct. Please verify.
    a. Answer: Item #59 will be correct to 802-16-inch Valve and Appurtenances – 5 EA

3. The Engineer's Estimate has been remains **$2,947,000.00.**

Please sign and upload a .pdf copy to the Additional Material Upload section located on Bid Express under the Contractor's Qualification Statement due on **November 20, 2025 @ 2:00 PM.**

ADDENDUM # 4 is hereby acknowledged:

ASST. VICE PRESIDENT
Signature and Title

SHELLY AND SANOS, INC
Company Name

11/20/25
Date

Issued: November 12, 2025

CURRENT PROJECTS				
B.0038.023	ODOT 038(23) MAD/PIC-71	10/01/2026	$126,794,705	65%
F21-0221X	ODOT 221(21) MUS-70	10/31/2027	$90,786,948	55%
F25-0076X	ODOT 0076(25) FRA-70/BRICE PHASE 2	09/16/2027	$89,805,069	1%
F22-0200X	ODOT 200(22) FRA-270/70/BRICE ROAD	08/19/2025	$76,684,181	92%
F24-0984R	CRAA - GMP6 - HENSEL PHELPS	07/15/2029	$65,079,000	0%
F25-0001X	ODOT 001(25) FRA-70 (WEST)	07/01/2027	$54,398,185	15%
F25-0153X	ODOT 153(25) FAI-33/PICKERINGTON ROAD	07/01/2028	$51,269,955	0%
F24-0927X	CRAA- NEW TERMINAL SOUTH TAXILANE	11/25/2025	$46,794,409	35%
B.0245.023	ODOT 245(23) FRA-270/23 INTERSECTION	07/15/2025	$31,839,651	80%
B.0002.023	ODOT 002(23) DEL-36/37	08/28/2026	$31,104,829	60%
Y24-0063X	OTIC 39-25-02	12/11/2026	$27,290,642	10%
F25-3000X	ODOT 3000(25) BEL-70/149 DESIGN BUILD		$27,231,121	0%
F21-0208X	ODOT 208(21) MUS-60	08/31/2023	$24,431,203	90%
F25-0184X	ODOT 184(25) UNI/DEL-42	11/01/2026	$16,258,581	0%
F24-0136X	ODOT 136(24) FRA-270/HAMILTON ROAD	09/01/2025	$15,898,833	50%
F24-0560X	ODOT 560(24) ROS-23	10/01/2025	$14,428,990	30%
F23-0018X	ODOT 018(23) LIC-16	09/03/2025	$13,010,512	98%
F24-0344X	ODOT 344(24) FRA-670	07/20/2026	$12,890,933	20%
Y24-0093X	ODOT 093(24) HUR-13	10/31/2025	$11,939,622	70%
F24-0183X	ODOT 183(24) MONROE-7	11/01/2025	$11,110,195	40%
Y23-0472X	ODOT 472(23) MAH-170	10/15/2025	$9,331,525	65%
B.0927.023	COC-SECOND AVE. - MILO GROGAN	06/01/2025	$9,005,228	60%
B.0255.023	ODOT 255(23) US-40(BROAD ST) RECONSTRUCTION	11/15/2025	$8,419,695	55%
B.0945.023	COC-SR-161 SR-161 I-71 TO CLEVELAND AVE. PHASE 1 PART 2	07/25/2025	$8,068,968	70%
F24-0428X	ODOT 428(24) FRA-161 NOISEWALL	10/15/2026	$7,940,505	0%
F24-0933R	CRAA GMP3-LANDSIDE PAVEMENT (BEAVER EXC.)		$7,609,095	0%
F24-0087X	ODOT 087(24) FRA-SR-16/HAMILTON ROAD	06/01/2025	$6,680,186	25%
F25-0914X	CRAA RICKENBACKER RAMP 3-PHASE 4	161 DAYS	$6,475,823	0%
M24-0531X	ODOT 531(24) NOB/WAS-77	11/28/2025	$5,822,081	0%
F24-0915X	COC-WHEATLAND AVE.	11/30/2025	$5,614,884	2%
F25-0908X	CITY OF ATHENS - STIMPSON AVENUE	11/01/2025	$5,158,177	10%
F23-1029X	HENSEL PHELPS - NEW TERMINAL MOT/TEMP. ROADWAY	06/01/2025	$5,000,000	98%
Z23-0904X	CITY OF ZANESVILLE - MUSKINGUM AVE	05/01/2025	$4,698,354	50%
F24-0562X	ODOT 562(24) TUSC-US-250 INTERSECTION	10/31/2025	$4,669,865	20%
F24-0543X	ODOT 543(24) BEL-NATIONAL ROAD TUNNEL REHAB	06/30/2026	$4,228,404	20%
F23-0999X	COC- DUBLIN GRANVILLE AT ULRY ROAD	05/23/2025	$4,128,681	99%
F23-1023Y	COC-SINCLAIR ROAD SIDEWALKS	06/06/2025	$3,825,490	95%
F23-0996X	COC - ROOSEVELT AREA WATERLINE	11/15/2024	$3,744,932	95%
Y25-0134X	ODOT 134(25) SUM-CR111/CR25	12/01/2026	$3,598,321	0%
F24-0939X	CITY OF WHITEHALL-EAST BROAD PHASE 2	270 DAYS	$3,006,258	50%
F24-0532X	ODOT 532(24) NOB-77	09/01/2025	$2,776,000	60%
Z24-0542X	ODOT 542(24) ATH-33/178		$2,610,052	0%
F25-0902X	CITY OF BEXLEY- N. COLUMBIA WATERLINE	270 DAYS	$2,396,562	30%
Y25-0230X	ODOT 230(25) TUS-MAPLE/CHURCH STREET	10/31/2025	$2,284,202	0%
F24-0406X	ODOT 406(24) TUS-259	10/31/2025	$2,262,393	50%
F24-0551X	ODOT 551(24) FRA-270 JOINT REPAIR	10/15/2025	$2,080,962	0%
Y25-0095X	ODOT 0095(25) MAH-422/616	10/30/2025	$2,069,998	0%
F25-8000X	ODOT 8000(25) UNI-37 (MAGNETIC SPRINGS)	09/05/2025	$2,006,941	20%
Y25-0265X	ODOT 265(25) WAY-585 INTERSECTION	10/31/2025	$1,814,950	0%
F24-0922X	CITY OF DELAWARE-PENNSYLVANIA AVE./PITTSBURG DRIVE	11/15/2024	$1,743,130	98%
F24-0926X	CITY OF COLUMBUS - CERES DRIVE	06/27/2025	$1,625,946	98%
F25-0246X	ODOT 246(25) FRA-WYNNE RIDGE COURT	10/01/2026	$1,595,558	0%
F24-0577X	ODOT 577(24) FRA-33/HAYDEN RUN ROAD TURNING LANE	09/30/2025	$1,558,813	20%
F25-0240X	ODOT 240(25) BEL-CR4	10/31/2025	$1,415,153	0%
F25-0061X	ODOT 0061(25) NOB-821	11/11/2025	$1,289,008	40%
F25-0254X	ODOT 254(25) JEF-43 INTERSECTION	11/30/2025	$1,223,939	0%
Z25-0005X	MUSKINGUM COUNTY - SOUTH REHL ROAD	10/31/2025	$948,809	0%
F25-0904X	FRANKLIN COUNTY-EITERMAN ROAD	10/24/2025	$893,496	0%
R25-5016X	ASHLAND COUNTY AIRPORT	50 DAYS	$630,803	0%
F25-0037X	ODOT 0037(25) HOL-515	09/30/2025	$594,538	0%
F25-0098X	ODOT 0098(25) NOB-CR56	08/13/2025	$556,886	98%
Z25-0074X	ODOT 0074(25) MRG-APPALACIAN HILLS	08/15/2025	$304,403	0%
			$990,756,678	

COMPLETED PROJECTS

Project Name: City of Columbus North Hamilton Rd
Project Owner: City of Columbus
Location/City: Hamilton Rd, Columbus Ohio
Owner Contact Person: Dan Johnson 614-645-7795
Project Manager: Drew Griesdorn
Original Contract Amount: $18,554,642
Final Contract Amount: $18,352,727
Original Completion Date: 6/16/23
Final Completion Date: 6/14/23

Project Name: CRAA John Glenn Taxiway
Project Owner: CRAA
Location/City: Columbus, Ohio
Owner Contact Person: Eric Hensley 614-239-5010
Project Manager: Rob Parker
Original Contract Amount: $8,585,551
Final Contract Amount: $8,506,013
Original Completion Date: 246 Days
Final Completion Date: 10/21/23

Project Name: Grove City Demorest Rd
Project Owner: Grove City
Location/City: Demorest Rd, Grove City Ohio
Owner Contract Person: EMH&T 614-775-4500
Project Manager: Andy Waters
Original Contract Amount: $7,461,102
Final Contract Amount: $7,350,257
Original Completion Date: 6/9/22
Final Completion Date: 10/11/23

Project Name: ODOT 170393
Project Owner: ODOT
Location/City: RT 71 Columbus, Ohio
Owner Contact Person: Andrew Opsitnik 740-833-8085
Project Manager: Ryan Porter
Original Contract Amount: $ 113,106,283
Estimated Final Contract Amount: $ 121,490,447
Original Completion Date: 6/30/20
Final Completion Date: 7/10/23

Project Name: 2020 Road Improvement Program
Project Owner: Delaware
Location/City: Delaware County
Owner Contact Person: Brian Dilley 740-833-2400
Project Manager: Luke Gussler
Original Contract Amount: $9,239,895
Final Contract Amount: $9,042,937
Original Completion Date: 10/1/2020
Final Completion Date: 10/1/2020

BID GUARANTY AND CONTRACT BOND
(O.R.C § 153.571)

Know all persons by these presents, that we, the undersigned Shelly & Sands, Inc. (Contractor) as principal and Ohio Farmers Insurance Company / Travelers Casualty and Surety Company of America as surety are hereby held and firmly bound unto the City of Gahanna, as oblige in the penal sum of the dollar amount of the bid submitted by the principal to the oblige on November 12, 20 25, to undertake the ST-1121 Taylor Road Water Main Replacement (Project). The penal sum referred to herein shall be the dollar amount of the principal's bid to the obligee, incorporating any additive or deductive alternates made by the principal on the date referred to above to the obligee, which are accepted by the obligee. In no case shall the penal sum exceed the amount of _____ dollars ($_____). (If the foregoing blank is not filled in, the penal sum will be the full amount of the principal's bid, including add alternates. Alternatively, if the blank is filled in the amount stated must not be less than the full amount of the bid including add alternates, in dollars and cents. A percentage is not acceptable.) For the payment of the penal sum well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this 12th day of November, 20 25.

The condition of the above obligations is such that whereas the above named principal has submitted a bid for work on the Contract.

Now, therefore, if the obligee accepts the bid of the principal and the principal fails to enter into a proper contract in accordance with the bid, plans, details, specifications and bills of material; and in the event the principal pays to the obligee the difference not to exceed ten percent (10%) of the penalty hereof between the amount specified in the bid and such larger amount for which the obligee may in good faith contract with the next lowest bidder to perform the work covered by the bid; or in the event the obligee does not award the contract to the next lowest bidder and resubmits the contract for bidding, the principal pays to the obligee the difference not-to-exceed ten percent (10%) of the penalty hereof between the amount specified in the bid, or the costs, in connection with the resubmission, of printing new contract documents, required advertising, and printing and mailing notices to prospective bidders, whichever is less, then this obligation shall be null and void, otherwise to remain in full force and effect; if the obligee accepts the bid of the principal and the principal within ten (10) days after the awarding of the contract enters into a proper contract in accordance with the bid, plans, details, specifications and bills of material, which said contract is made a part of this bond the same as though set forth herein.

Now also, if the said principal shall well and faithfully do and perform the things agreed by said principal to be done and performed according to the terms of said contract; and shall pay all lawful claims of subcontractors, materialmen, and laborers, for labor performed and materials furnished in the carrying forward, performing, or completing of said contract; we agreeing and assenting that this undertaking shall be for the benefit of any materialman or laborer having a just claim, as well as for the obligee herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; and surety shall indemnify the obligee against all damage suffered by failure of the principal to perform the contract according to its provisions and in accordance with the plans, details, specifications and bills of material therefor and to pay all lawful claims of subcontractors, materialmen, and laborers for labor performed or material furnished in carrying forward, performing, or completing the contract and surety further agrees and assents that this undertaking is for the benefit of any subcontractor, materialman, or laborer having a

just claim, as well as for the obligee; it being expressly understood and agreed that the liability of the surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

The said surety hereby stipulates and agrees that no modifications, omissions, or additions in or to the terms of the said contract or in or to the plans or specifications therefore shall in any wise affect the obligations of said surety on its bond, and does hereby waive notice of any such modifications, omissions or additions to the terms of the contract or to the work or to the specifications.

Signed and sealed this 12th day of November, 2025.

Shelly & Sands, Inc.
Principal

Signature

JEFFREY T. SCHULTZ ASST. VICE-PRESIDENT
Printed Name and Title

Ohio Farmers Insurance Company / Travelers Casualty and Surety Company of America
Surety

Signature

Nicole Green, Attorney-in-Fact
Printed Name and Title
P. O. Box 5001 / 6150 Oak Tree Blvd., Suite 500
Westfield Center / Independence, OH 44251 / 44131
Surety's Address

330-523-3288 / 216-643-2435
Surety's Telephone Number

330-523-3690 / 216-328-2809
Surety's Fax Number

AssuredPartners of Ohio, LLC
Surety's Agent

3900 Kinross Lakes Parkway, Suite 300, Richfield, OH 44286
Surety Agent's Address

440-333-9000
Surety Agent's Telephone Number

440-356-2126
Surety Agent's Fax Number

SHELLY AND SANDS, INC. CORPORATE SEAL 1944 OHIO

THIS POWER OF ATTORNEY SUPERCEDES ANY PREVIOUS POWER BEARING THIS SAME POWER # AND ISSUED PRIOR TO 03/31/25, FOR ANY PERSON OR PERSONS NAMED BELOW.

General
Power
of Attorney

CERTIFIED COPY

POWER NO. **3417352 16**

Westfield Insurance Co.
Westfield National Insurance Co.
Ohio Farmers Insurance Co.

Westfield Center, Ohio

Know All Men by These Presents, That WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, corporations, hereinafter referred to individually as a "Company" and collectively as "Companies," duly organized and existing under the laws of the State of Ohio, and having its principal office in Westfield Center, Medina County, Ohio, do by these presents make, constitute and appoint

LOUIS A. COLAGROSSI, MARK N. COLEMAN, BRUCE W. LOCKHART, LORI A. PROCH, KYP L. ROSS, STEPHANIE A. ROOK, SUE A. BRANDAL, KRISTINE M. HEINRICH, NICOLE GREEN, DAVID J. BLACK, MARIE LOLA NEELY, KIMBERLY ANN ALBERT, AMY L. CATON, STEPHANIE LYNN NAPIER, ZACHARY HUFFMAN, JOINTLY OR SEVERALLY

of **RICHFIELD** and State of **OH** its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver **any and all bonds, recognizances, undertakings, or other instruments or contracts of suretyship in any penal limit,** and to bind any of the Companies thereby as fully and to the same extent as if such bonds were signed by the President, sealed with the corporate seal of the applicable Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney(s)-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolution adopted by the Board of Directors of each of the WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY:

"Be It Resolved, that the President, any Senior Executive, any Secretary or any Fidelity & Surety Operations Executive or other Executive shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

The Attorney-in-Fact may be given full power and authority for and in the name of and on behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements of indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed by the President and sealed and attested by the Corporate Secretary."

"Be it Further Resolved, that the signature of any such designated person and the seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signatures or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached." (Each adopted at a meeting held on February 8, 2000).

In Witness Whereof, WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY have caused these presents to be signed by their **National Surety Leader** and **Senior Executive** and their corporate seals to be hereto affixed this **31st** day of **MARCH** A.D., **2025** .

Corporate Seals Affixed

WESTFIELD INSURANCE COMPANY
WESTFIELD NATIONAL INSURANCE COMPANY
OHIO FARMERS INSURANCE COMPANY

By: **Gary W. Stumper,** *National Surety Leader* and *Senior Executive*

State of Ohio
County of Medina ss.:

On this **31st** day of **MARCH** A.D., **2025** , before me personally came **Gary W. Stumper** to me known, who, being by me duly sworn, did depose and say, that he resides in **Medina, OH;** that he is **National Surety Leader** and **Senior Executive** of WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, the companies described in and which executed the above instrument; that he knows the seals of said Companies; that the seals affixed to said instrument are such corporate seals; that they were so affixed by order of the Boards of Directors of said Companies; and that he signed his name thereto by like order.

Notarial Seal Affixed

State of Ohio
County of Medina ss.:

David A. Kotnik, Attorney at Law, *Notary Public*
My Commission Does Not Expire (Sec. 147.03 Ohio Revised Code)

I, **Frank A. Carrino,** Secretary of WESTFIELD INSURANCE COMPANY, WESTFIELD NATIONAL INSURANCE COMPANY and OHIO FARMERS INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; and furthermore, the resolutions of the Boards of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Westfield Center, Ohio, this 12th day of November A.D., 2025 .

Frank A. Carrino *Secretary*

Frank A. Carrino, *Secretary*

TRAVELERS

Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Nicole Green** of **RICHFIELD**, **Ohio**, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **21st** day of **April, 2021**.

State of Connecticut

City of Hartford ss.

By: _____
Robert L. Raney, Senior Vice President

On this the **21st** day of **April, 2021**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June, 2026**

_____
Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 12th day of November, 2025 .

_____
Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.

Financial Statement

Ohio Farmers Insurance Co.

Westfield Center, Ohio 44251-5001

December 31, 2024

OHIO FARMERS INSURANCE COMPANY
BALANCE SHEET

12/31/24
(in thousands)

Assets	
Cash, cash equivalents, and short term investments	40,189
Bonds	513,241
Stocks	53,874
Subsidiaries	2,647,514
Real estate	170,542
Premiums receivable	203,114
Other assets	308,458
Total assets	3,936,932
Liabilities	
Reserve for unearned premiums	287,000
Reserve for unpaid losses and loss expenses	443,213
Reserve for taxes and other liabilities	244,136
Total liabilities	974,349
Surplus	
Surplus to policyholders	2,962,583
Total surplus	2,962,583
Total liabilities and surplus	3,936,932

State of Ohio
ss:
County of Medina

The undersigned, being duly sworn, says: That he is National Surety Leader - Surety Operations of Ohio Farmers Insurance Company, Westfield Center, Ohio; that said Company is a corporation duly organized, existing and engaged in business as a Surety Company by virtue of the Laws of the State of Ohio and authorized to do business in the State of .....Ohio..... and has duly complied with all the requirements of the laws of said State applicable to said Company and is duly qualified to act as Surety under such laws; that said Company has also complied with and is duly qualified to act as Surety under the Act of Congress approved July 1947, 6 U.S.C. sec. 6-13; and that to the best of his knowledge and belief the above statement is a full, true, and correct statement of the financial condition of the said Company on the 31st day of December, 2024.

Attest:

Frank A. Carrino
Group Legal Leader, Secretary

Gary W. Stumper
National Surety Leader
Senior Executive

Sworn to before me this 12th day of February A.D. 2025.

David A. Kotnik
Attorney at Law
Notary Public – State of Ohio

My Commission Does Not Expire
Sec. 147.03 Ohio Revised Code

BD5402 B

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

HARTFORD, CONNECTICUT 06183

FINANCIAL STATEMENT AS OF DECEMBER 31, 2024

CAPITAL STOCK $ 6,480,000

ASSETS		LIABILITIES & SURPLUS	
BONDS	$ 5,367,684,447	LOSSES	$ 1,648,831,742
STOCKS	99,502,344	LOSS ADJUSTMENT EXPENSES	169,492,904
CASH AND INVESTED CASH	69,689,826	REINSURANCE PAYABLE ON PAID LOSSES & LOSS ADJ. EXPENSES	15,148,347
OTHER INVESTED ASSETS	9,969,793	COMMISSIONS	62,360,717
SECURITIES LENDING REINVESTED COLLATERAL ASSETS	30,993,966	OTHER EXPENSES	69,184,511
INVESTMENT INCOME DUE AND ACCRUED	45,630,862	TAXES, LICENSES AND FEES	16,311,579
PREMIUM BALANCES	346,017,428	CURRENT FEDERAL AND FOREIGN INCOME TAXES	7,102,552
REINSURANCE RECOVERABLE	62,034,928	UNEARNED PREMIUMS	1,647,964,685
NET DEFERRED TAX ASSET	78,278,940	ADVANCE PREMIUM	3,970,618
UNDISTRIBUTED PAYMENTS	15,607,795	POLICYHOLDER DIVIDENDS	26,972,587
GUARANTY FUNDS RECEIVABLE OR ON DEPOSIT	2,148,727	CEDED REINSURANCE NET PREMIUMS PAYABLE	57,879,540
OTHER ASSETS	1,100,106	AMOUNTS WITHHELD / RETAINED BY COMPANY FOR OTHERS	17,071,685
		REMITTANCES AND ITEMS NOT ALLOCATED	10,456,481
		PROVISION FOR REINSURANCE	8,746,887
		PAYABLE TO PARENTS, SUBSIDIARIES AND AFFILIATES	79,937,444
		PAYABLE FOR SECURITIES LENDING	30,993,966
		ESCHEAT LIABILITY	595,014
		OTHER ACCRUED EXPENSES AND LIABILITIES	4,726
		TOTAL LIABILITIES	$ 3,873,025,985
		CAPITAL STOCK	$ 6,480,000
		PAID IN SURPLUS	433,803,760
		OTHER SURPLUS	1,815,349,416
		TOTAL SURPLUS TO POLICYHOLDERS	$ 2,255,633,176
TOTAL ASSETS	$ 6,128,659,161	TOTAL LIABILITIES & SURPLUS	$ 6,128,659,161

STATE OF CONNECTICUT)

COUNTY OF HARTFORD) SS.

CITY OF HARTFORD)

MICHAEL J. DOODY, BEING DULY SWORN, SAYS THAT HE IS VICE PRESIDENT – FINANCE, OF TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA, AND THAT TO THE BEST OF HIS KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT STATEMENT OF THE FINANCIAL CONDITION OF SAID COMPANY AS OF THE 31ST DAY OF DECEMBER, 2024.

Michael J Doody

VICE PRESIDENT – FINANCE

SUBSCRIBED AND SWORN TO BEFORE ME THIS
15TH DAY OF MARCH, 2025

NOTARY PUBLIC

SUSAN M. WEISSLEDER
Notary Public
My Commission Expires November 30, 2027

Office of Risk Assessment
50 West Town Street
Third Floor - Suite 300
Columbus,Ohio 43215
(614)644-2658
Fax(614)644-3256
www.insurance.ohio.gov

Ohio Department of Insurance

Mike DeWine - Governor

Judith French - Director

Certificate of Compliance

Issued 06/24/2025

Effective 07/01/2025

Expires 06/30/2026

I, Judith French, hereby certify that I am the Director of Insurance in the State of Ohio and have supervision of insurance business in said State and as such I hereby certify that

OHIO FARMERS INSURANCE COMPANY

of Ohio is duly organized under the laws of this State and is authorized to transact the business of insurance under the following section(s) of the Ohio Revised Code:

Section 3929.01 (A)

Accident & Health
Aircraft
Allied Lines
Boiler & Machinery
Burglary & Theft
Collectively Renewable A & H
Commercial Auto - Liability
Commercial Auto - No Fault
Commercial Auto - Physical Damage
Credit Accident & Health
Earthquake
Fidelity
Financial Guaranty
Fire
Glass
Group Accident & Health
Guaranteed Renewable A & H
Inland Marine
Medical Malpractice
Multiple Peril - Commercial
Multiple Peril - Farmowners
Multiple Peril - Homeowners
Noncancellable A & H
Nonrenew-Stated Reasons (A&H)
Ocean Marine
Other Accident only
Other Liability
Private Passenger Auto - Liability
Private Passenger Auto - No Fault
Private Passenger Auto - Physical Damage
Surety
Workers Compensation

OHIO FARMERS INSURANCE COMPANY certified in its annual statement to this Department as of December 31, 2024 that it has admitted assets in the amount of $3,936,931,943, liabilities in the amount of $974,348,935, and surplus of at least $2,962,583,008.

IN WITNESS WHEREOF, I have hereunto subscribed my name and caused my seal to be affixed at Columbus, Ohio, this day and date.

Judith L. French

Judith French, Director

Office of Risk Assessment
50 West Town Street
Third Floor - Suite 300
Columbus,Ohio 43215
(614)644-2658
Fax(614)644-3256
www.insurance.ohio.gov

Ohio Department of Insurance

Mike DeWine - Governor

Judith French - Director

Certificate of Compliance

Issued 03/10/2025

Effective 04/02/2025

Expires 04/01/2026

I, Judith French, hereby certify that I am the Director of Insurance in the State of Ohio and have supervision of insurance business in said State and as such I hereby certify that

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

of Connecticut is duly organized under the laws of this State and is authorized to transact the business of insurance under the following section(s) of the Ohio Revised Code:

Section 3929.01 (A)

Accident & Health
Aircraft
Allied Lines
Boiler & Machinery
Burglary & Theft
Commercial Auto - Liability
Commercial Auto - No Fault
Commercial Auto - Physical Damage
Credit
Earthquake
Fidelity
Financial Guaranty
Fire
Glass
Inland Marine
Medical Malpractice
Multiple Peril - Commercial
Multiple Peril - Farmowners
Multiple Peril - Homeowners
Ocean Marine
Other Liability
Private Passenger Auto - Liability
Private Passenger Auto - No Fault
Private Passenger Auto - Physical Damage
Surety
Workers Compensation

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA certified in its annual statement to this Department as of December 31, 2024 that it has admitted assets in the amount of $6,128,659,161, liabilities in the amount of $3,873,025,985, and surplus of at least $2,255,633,176.

IN WITNESS WHEREOF, I have hereunto subscribed my name and caused my seal to be affixed at Columbus, Ohio, this day and date.

Judith L. French

Judith French, Director

APPENDIX D

PLAN SET

CITY OF GAHANNA

DEPARTMENT OF PUBLIC SERVICE AND ENGINEERING

TAYLOR ROAD WATER MAIN REPLACEMENT

FRANKLIN COUNTY
GAHANNA, OH

ISSUED FOR BIDS AND CONSTRUCTION OCTOBER 16, 2025
PROJECT NUMBER 241550

fishbeck
Engineers | Architects | Scientists | Constructors

fishbeck.com
800.456.3824

1 East Campus View Boulevard
Columbus, Ohio

Gahanna

TAYLOR ROAD WATER MAIN REPLACEMENT

G101	COVER SHEET
C001	TAYLOR ROAD INDEX MAP AND SURVEY INFORMATION
C002	SIDEWALK AND DRIVEWAY TYPICAL SECTIONS
C003	GENERAL NOTES AND DETAILS
C004	MAINTENANCE OF TRAFFIC NOTES
C005	SESC AND TREE PLANTING NOTES
C006	SURVEY COORDINATES
C007	SURVEY COORDINATES
C008	TAYLOR ROAD QUANTITIES TABLE
C009	TAYLOR ROAD QUANTITIES TABLE
C010	TAYLOR ROAD QUANTITIES TABLE
C101	TAYLOR ROAD PLAN AND PROFILE - STA. 0+00 TO STA. 2+50
C102	TAYLOR ROAD PLAN AND PROFILE - STA. 2+50 TO STA. 6+40
C103	TAYLOR ROAD PLAN AND PROFILE - STA. 6+40 TO STA. 10+50
C104	TAYLOR ROAD PLAN AND PROFILE - STA. 10+50 TO STA. 14+50
C105	TAYLOR ROAD PLAN AND PROFILE - STA. 14+50 TO STA. 18+50
C106	TAYLOR ROAD PLAN AND PROFILE - STA. 18+50 TO STA. 21+20
C107	TAYLOR ROAD PLAN AND PROFILE - STA. 21+20 TO STA. 25+60
C108	TAYLOR ROAD PLAN AND PROFILE - STA. 25+60 TO STA. 29+50
C109	TAYLOR ROAD PLAN AND PROFILE - STA. 29+50 TO STA. 32+55
C110	TAYLOR ROAD MISC. PROFILES
C111	TAYLOR ROAD MISC PROFILES
C201	TAYLOR ROAD MAINTENANCE OF TRAFFIC - STA. 0+00 TO STA. 7+00
C202	TAYLOR ROAD MAINTENANCE OF TRAFFIC - STA. 7+00 TO STA. 15+00
C203	TAYLOR ROAD MAINTENANCE OF TRAFFIC - STA. 15+00 TO STA. 23+00
C204	TAYLOR ROAD MAINTENANCE OF TRAFFIC - STA. 23+00 TO STA. 31+00
C205	TAYLOR ROAD MAINTENANCE OF TRAFFIC - STA. 31+00 TO STA. 32+55
C301	CURB RAMP DETAILS
C302	CURB RAMP DETAILS
C303	CURB RAMP DETAILS
C304	CURB RAMP DETAILS
C305	CURB RAMP DETAILS

EARTH DISTURBED AREA	
TOTAL EARTH DISTURBED AREA	0.42 ACRES
PRE-DEVELOPMENT IMPERVIOUS AREA	1.12 ACRES
POST-DEVELOPMENT IMPERVIOUS AREA	1.19 ACRES

POST-CONSTRUCTION SCPs FOR STORM WATER QUANTITY AND QUALITY ARE NOT REQUIRED FOR THE SURFACE DISTURBANCE ON THIS PLAN. THIS PROJECT IS A LINEAR UTILITY IMPROVEMENT AND DOES NOT MEET THE APPLICABILITY REQUIREMENTS OF THE OHIO EPA GENERAL CONSTRUCTION PERMIT.

CITY OF COLUMBUS STANDARD DRAWINGS

L1001	L6637 A&C	STD DWG 2000
L1004	L6640	STD DWG 2020
L1701 A&B	L7001	STD DWG 2161
L2201 A&B	L7102 A&B	STD DWG 2171
L6306	L9901	STD DWG 2201
L6309 A,B&E	STD DWG 1441	STD DWG 2202
L6310	STD DWG 1510	STD DWG 2300
L6311	STD DWG 1520	STD DWG 2319
L6312	STD DWG 1550	

CITY OF GAHANNA APPROVAL

TOM KOMLANC ~ DIRECTOR OF ENGINEERING
HOLLY BOYER ~ SENIOR UTILITY ENGINEER
SHAWN ANVERSE ~ DIRECTOR OF PUBLIC SERVICE
JOANN BURY ~ DIRECTOR OF FINANCE
LAURIE JADWIN ~ MAYOR

MEMBERS OF CITY COUNCIL

MERISA BOWERS ~ PRESIDENT
STEPHEN RENNER ~ WARD 1
MICHAEL SCHNETZER ~ WARD 2
KAYLEE PADOVA ~ WARD 3
TRENTON WEAVER ~ VP, WARD 4
JAMILLE JONES ~ MEMBER AT LARGE
NANCY MCGREGOR ~ MEMBER AT LARGE

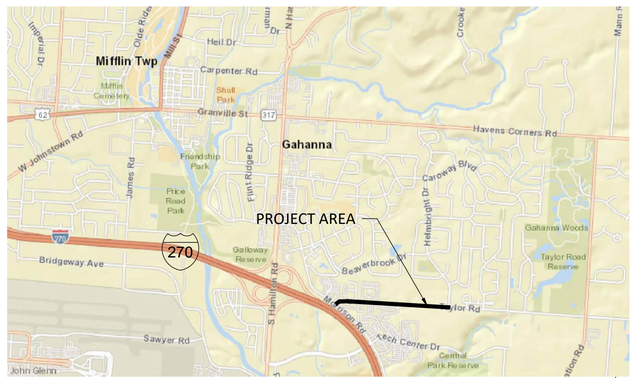
CITY OF GAHANNA APPROVAL

THE "CITY OF GAHANNA" SIGNATURES BELOW SIGNIFY ONLY CONCURRENCE WITH THE PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECHNICAL DETAILS REMAIN THE RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.

DIRECTOR OF ENGINEERING, CITY OF GAHANNA, OHIO	10-20-2025 DATE
SENIOR UTILITY ENGINEER, CITY OF GAHANNA, OHIO — 2025.10.20	10/17/25 DATE
DIRECTOR OF PUBLIC SERVICE, CITY OF GAHANNA, OHIO	DATE
DIRECTOR OF FINANCE, CITY OF GAHANNA, OHIO — Joann Bury — Digitally signed by Joann Bury, DN: c=US, o=City of Gahanna, ou=Finance Department, email=jbury@gahanna.gov	DATE
MAYOR, CITY OF GAHANNA, OHIO — Laurie A Jadwin — Digitally signed by Laurie A Jadwin, DN: c=US, o=City of Gahanna, email=Laurie.Jadwin@gahanna.gov, Date: 2025.10.21 15:34:17 -04'00'	DATE

LOCATION MAP

SCALE: NOT TO SCALE



(##) INTERSTATE

LIMITS OF IMPROVEMENTS

NORTH

VICINITY MAP

OHIO

CITY OF GAHANNA
FRANKLIN COUNTY, OHIO

UTILITY INFORMATION

THE EXISTING UTILITIES SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN LOCATED FROM UTILITY RECORD DRAWINGS. ACTUAL UTILITY LOCATIONS MAY VARY FROM WHAT IS SHOWN. ALL UTILITIES TO BE FIELD VERIFIED BY UTILITY OWNER PRIOR TO CONSTRUCTION.

AEP
1 Riverside Plaza
Columbus, OH 43215
(866)237-5028

AT&T
Don Woolum
5040 Nike Drive Suite A
Hilliard, OH 43026
(614)732-6592

CenturyLink
6185 Huntley Road
Columbus, OH 43223
(800)786-0672

City of Gahanna
200 Hamilton Road
Gahanna, OH 43230
(614)342-4427

Columbia Gas of Ohio
Rob Caldwell
3550 Johnny Appleseed Court
Columbus, OH 43231
(614)818-2104

Columbus FiberNet
Tyler Smith
1366 Dublin Road,
Columbus, OH 43215
(614)352-3910

Crown Castle
470 Schrock Road Unit B
Columbus, OH 43229
(877)486-9377

Ohio Department of Transportation-ITS
Jason Stowers
1980 West Broad Street
Columbus, OH 43223
(614)967-3758

Verizon
220 Granville St
Gahanna, OH 43230
(844)819-0582

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

SEAL

STATE OF OHIO
BRENDA I. VANCLEAVE
PE-68943
10/16/2025
REGISTERED PROFESSIONAL ENGINEER

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

Hard copy is intended to be 22"x34" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
241550

SHEET NO.
G101

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PLOT INFO: Z:\2024\241550\CAD\CD\G101_241550_COVER SHEET.DWG LAYOUT: G101 DATE: 10/16/2025 TIME: 3:13:50 PM USER: JGRIFFITH

DATUMS/BASIS OF BEARING

ALL HORIZONTAL COORDINATES AND BEARING AS SHOWN ARE STATE PLANE GRID BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, AND REFERENCE THE NORTH AMERICAN DATUM OF 1983 AND THE 2011 ADJUSTMENT (NAD 83 (2011)).

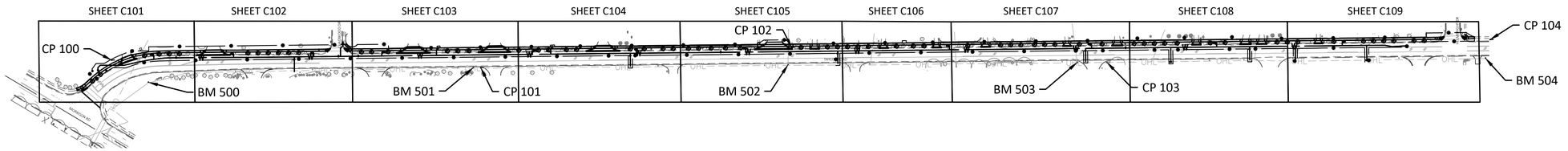
ALL ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)

CONTROL POINT AND BENCHMARK INFORMATION

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION	PAGE
CP100	729923.4324	1867380.4667	804.475	3/4" x 30" RED CAPPED IRON PIN SET	C101
CP101	729827.6722	1868287.6634	819.763	3/4" x 30" RED CAPPED IRON PIN SET	C103
CP102	729812.8586	1869056.5799	832.911	3/4" x 30" RED CAPPED IRON PIN SET	C105
CP103	729710.8814	1869829.3954	845.168	3/4" x 30" RED CAPPED IRON PIN SET	C107
CP104	729687.3093	1870777.5660	869.047	3/4" x 30" RED CAPPED IRON PIN SET	C109
BM500	729861.3430	1867466.5518	808.093	MAG SPIKE IN UTILITY POLE	C101
BM501	729829.4439	1868268.8426	820.223	MAG SPIKE IN UTILITY POLE	C103
BM502	729771.4431	1869044.3143	833.708	MAG SPIKE IN UTILITY POLE	C105
BM503	729716.9546	1869756.3267	844.270	MAG SPIKE IN UTILITY POLE	C107
BM504	729642.6325	1870761.9029	869.281	MAG SPIKE IN UTILITY POLE	C109

NOTE: THE HORIZONTAL COORDINATES HEREIN ARE BASED ON NAD83 (2011) OHIO SOUTH ZONE, STATE PLANE COORDINATES. COORDINATES ARE GRID COORDINATES. VERTICAL ELEVATIONS ARE BASED ON DIFFERENTIAL LEVELING, HOLDING ELEVATION OF 832.911 FOR CONTROL POINT 102, AS LISTED IN THE NATIONAL GEODETIC SURVEY (NGS) DATASHEET FOR POINT DQ4042.

PROJECT AREA IS OUTSIDE OF 100-YEAR FLOODPLAIN AND FLOODWAY LIMITS



NORTH

TAYLOR ROAD INDEX MAP AND SURVEY INFORMATION

SCALE: 1" = 150'

0 75 150 300

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

Hard copy is intended to be 22"x34" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
241550

SHEET NO.
C001

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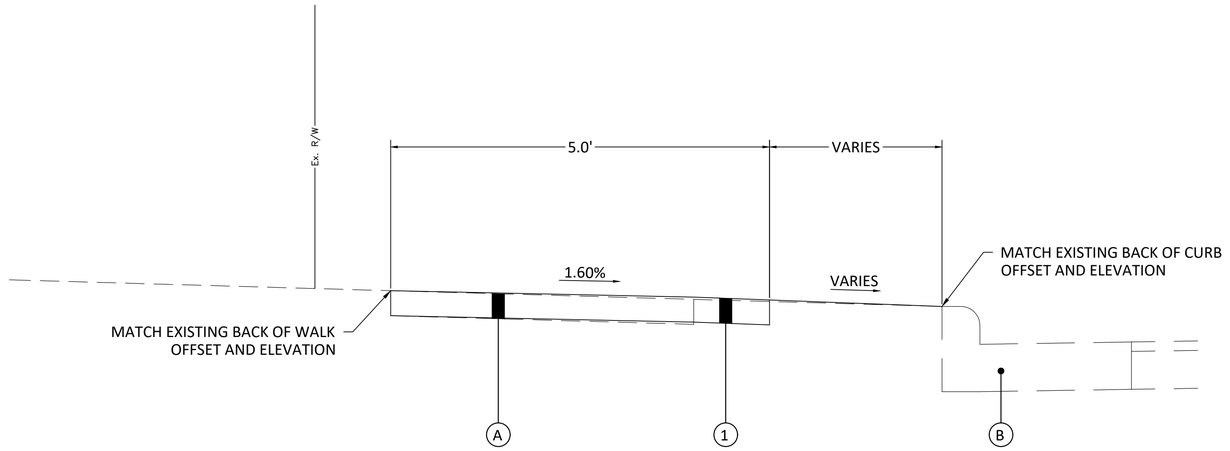
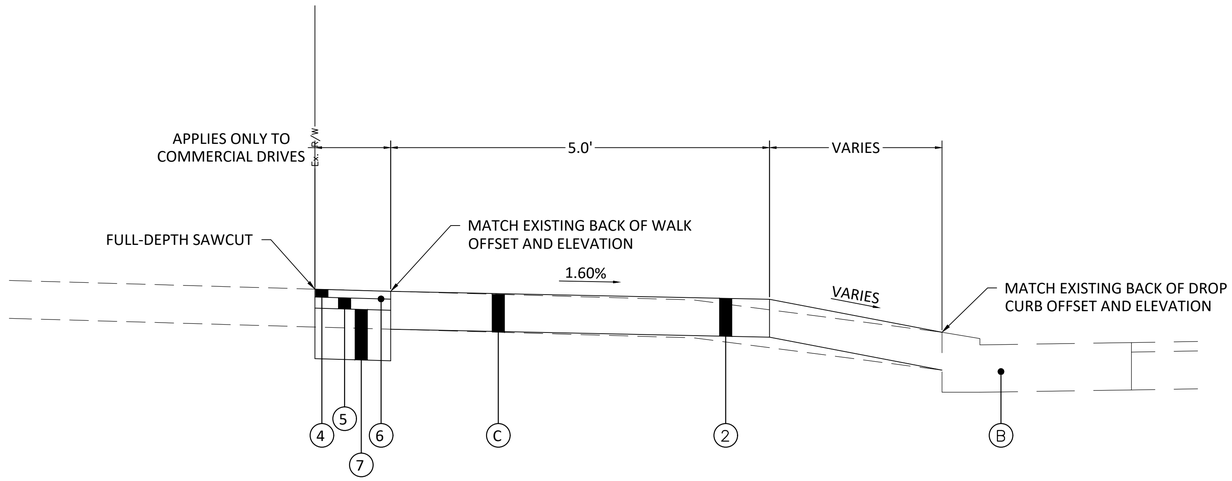
PLOT INFO: Z:\2024\241550\CAD\C0\C001_241550_INDEX_MAP.DWG LAYOUT: C001 DATE: 10/16/2025 TIME: 3:15:05 PM USER: JGRIFFITH



SIDEWALK SECTION
APPLIES STATION 0+56.40 TO STATION 34+26.70



DRIVEWAY SECTION
APPLICATION VARIES

LEGEND

1. ITEM 608 - 4"/8" (CURB RAMPS ONLY) CONCRETE WALK
2. ITEM 452 - 6" (RESIDENTIAL)/8" (COMMERCIAL) NON-REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
3. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE SPECIAL, 8"
4. ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
5. ITEM 441 - 1.25" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449)
6. ITEM 407 - TACK COAT (APPLIED AT 0.075 GAL/SY)
7. ITEM 304 - 8" AGGREGATE BASE

A. EXISTING WALK
B. EXISTING COMBINATION CURB AND GUTTER
C. EXISTING CONCRETE DRIVE

SIDEWALK AND DRIVEWAY TYPICAL SECTIONS

NOT TO SCALE

PLOT INFO: Z:\2024\241550\CAD\CD\C002_241550_GY001.DWG LAYOUT: LAYOUT2 DATE: 10/16/2025 TIME: 3:15:51 PM USER: JGRIFFITH

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny
Taylor Road Water Main
Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

Hard copy is intended to be 22"x34" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
241550

SHEET NO.
C002

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GENERAL NOTES

1. THE CURRENT CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS (CMS) TOGETHER WITH THE REQUIREMENTS OF THE CITY OF GAHANNA, OHIO, SHALL GOVERN MATERIALS AND WORKMANSHIP INVOLVED IN IMPROVEMENTS SHOWN ON THESE PLANS, EXCEPT THOSE SPECIFICATIONS MODIFIED BY THE FOLLOWING SPECIFICATIONS OR CONSTRUCTION DETAILS SET FORTH HEREIN.
2. ALL WORK IS TO BE ACCEPTABLE TO CITY OF GAHANNA OFFICIALS. NO WORK IS TO COMMENCE UNTIL ARRANGEMENTS HAVE BEEN MADE WITH THE CITY OF GAHANNA ENGINEER FOR INSPECTION.
3. THE CONTRACTOR SHALL NOTIFY THE CITY OF GAHANNA ENGINEER AT LEAST TEN WORKING DAYS PRIOR TO CONSTRUCTION.
4. ALL PERTINENT STANDARD CONSTRUCTION DRAWINGS ARE AVAILABLE UPON REQUEST AT THE OFFICE OF THE CITY OF GAHANNA ENGINEER.
5. THE CONTRACTOR IS TO SCHEDULE A PRE-CONSTRUCTION MEETING ONE BUSINESS WEEK PRIOR TO CONSTRUCTION. THE MEETING SHALL TAKE PLACE AT LEAST ONE BUSINESS WEEK PRIOR TO THE FOLLOWING: SITE CLEARING, MATERIAL DELIVERED ON-SITE, EQUIPMENT ON-SITE AND FIELD OFFICE ON-SITE.
6. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970. THE CONTRACTOR SHALL EXERCISE PRECAUTION ALWAYS FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT SHALL ALSO BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, INCLUDING THE REQUIREMENTS FOR CONFINED SPACES PER 29 CFR 1910.146.
7. THE PRICE(S) QUOTED SHALL INCLUDE ALL ITEMS OF LABOR, MATERIALS, TOOLS, EQUIPMENT, INSURANCE AND OTHER COSTS NECESSARY TO FULLY COMPLETE THE WORK PURSUANT TO THE CONTRACT DOCUMENTS. IT IS THE INTENTION OF THE CONTRACT DOCUMENTS TO PROVIDE AND REQUIRE A COMPLETED WORK PROJECT READY FOR OPERATION. ANY WORK ITEMS OMITTED FROM SUCH CONTRACT DOCUMENTS WHICH ARE CLEARLY NECESSARY FOR THE COMPLETION OF SUCH WORK AND ITS APPURTENANCES SHALL BE CONSIDERED A PART OF SUCH WORK ALTHOUGH NOT DIRECTLY SPECIFIED OR CALLED FOR IN THE CONTRACT DOCUMENTS.
8. ALL FIELD TILE BROKEN DURING EXCAVATION SHALL BE REPLACED WITH PERFORATED PIPE OR CONNECTED TO THE STORM SEWER SYSTEM. THE COST FOR THIS WORK SHALL BE INCLUDED IN PRICE BID FOR THE VARIOUS RELATED ITEMS.
9. NO NATURAL DRAINAGE COURSES SHALL BE ALTERED AND NO FILL, MATERIALS OR STRUCTURES SHALL BE PLACED IN IT UNLESS PROVISIONS ARE MADE FOR THE FLOW OF WATER IN A MANNER SATISFACTORY TO THE CITY ENGINEER. AN EASEMENT SHALL BE PROVIDED ON BOTH SIDES OF ANY EXISTING IMPORTANT SURFACE DRAINAGE COURSE ADEQUATE FOR THE PURPOSE OF PROTECTING, WIDENING, DEEPENING, ENCLOSING OR OTHERWISE IMPROVING SUCH STREAM FOR DRAINAGE PURPOSES.
10. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND PROPER SOIL EROSION CONTROL MEASURES FOR PROTECTION OF ALL ADJACENT ROADS AND LANDS.
11. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY OR ALL EXISTING SIGNS, SHRUBS, FENCES, OR OTHER PHYSICAL FEATURES DAMAGED DURING THE EXECUTION OF THIS CONTRACT AT THEIR OWN EXPENSE. ALL REPAIRS SHALL BE TO THE SATISFACTION OF THE CITY OF GAHANNA.
12. THE CONTRACTOR SHALL CONFINE ACTIVITIES TO THE PROJECT SITE, EXISTING RIGHT-OF-WAYS, TEMPORARY EASEMENTS AND PERMANENT EASEMENTS, AND SHALL NOT ENTER UPON OTHER PROPERTIES WITHOUT WRITTEN PERMISSION OF THE PROPERTY OWNER.
13. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT THE ENTIRE SITE. THIS INCLUDES OFFSITE DISPOSAL SITES FOR EXCAVATED EARTHEN MATERIALS.
14. THE CONTRACTOR SHALL CLEAN ADJACENT STREETS ON A DAILY BASIS IF MUD IS TRACKED FROM VEHICLES VISITING THE SITE. THIS INCLUDES OFFSITE DISPOSAL SITES FOR EXCAVATED EARTHEN MATERIALS.
15. SHOULD WATER BE ENCOUNTERED, THE CONTRACTOR SHALL FURNISH AND OPERATE SUITABLE PUMPING EQUIPMENT OF SUCH CAPACITY ADEQUATE TO DEWATER THE TRENCH. THE TRENCH SHALL BE SUFFICIENTLY DEWATERED SO THAT THE PLACEMENT OF BEDDING AND LAYING AND JOINING OF THE PIPE IS MADE IN A TRENCH FREE OF STANDING WATER. THE CONTRACTOR SHALL CONVEY ALL TRENCH WATER TO A NATURAL DRAINAGE CHANNEL OR STORM SEWER WITHOUT CAUSING ANY PROPERTY DAMAGE. THE COST FOR DEWATERING ACTIVITIES SHALL BE INCLUDED IN PRICE BID FOR THE VARIOUS RELATED ITEMS. USE PROPER CONTROLS FOR SEDIMENT (DANDY BAG).
16. THE CONTRACTOR IS ULTIMATELY RESPONSIBLE TO ENSURE CONSTRUCTION TO PLAN GRADE. THE CONTRACTOR SHALL ENSURE THERE IS A SURVEYOR'S LEVEL AND ROD ON THE PROJECT FOR USE IN PERFORMING GRADE CHECKS WHENEVER SEWER LINE STRUCTURES OR PIPES ARE BEING INSTALLED. THE CONTRACTOR SHALL MAKE THIS EQUIPMENT AVAILABLE FOR USE AND ASSIST THE CITY INSPECTOR IN PERFORMING GRADE CHECKS WHEN REQUESTED BY THE INSPECTOR. THE INSPECTOR WILL MAKE ALL REASONABLE ATTEMPTS TO CONFINE REQUESTS FOR ASSISTANCE IN PERFORMING GRADE CHECKS TO TIMES CONVENIENT TO THE CONTRACTOR. THESE CHECKS WILL BE PERFORMED TO ENSURE THAT CONSTRUCTION MATCHES PLAN GRADE, AND TO ENSURE THAT ALL EXISTING INVERTS ALONG WITH THE PROPOSED TOP OF CASTING ELEVATIONS ARE VERIFIED DURING CONSTRUCTION OF THE SEWER.
17. THE CONTRACTOR SHALL REFERENCE ALL IRON PINS OR MONUMENTS. IF ANY PINS OR MONUMENTS ARE DESTROYED OR DAMAGED BY THE CONTRACTOR, THEY SHALL BE ACCURATELY REPLACED BY A REGISTERED SURVEYOR IN THE STATE OF OHIO AT THE COMPLETION OF THE PROJECT.
18. VERTICAL CONTROL HAS BEEN ESTABLISHED FOR THE PROJECT AS SHOWN ON THE PLANS. THE HORIZONTAL COORDINATES HEREIN ARE BASED ON NAD83 (2011) GEIOD 18, OHIO SOUTH ZONE, STATE PLANE COORDINATES. COORDINATES ARE GRID COORDINATES. VERTICAL ELEVATION HEREIN BASED ON NAVD88. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED SURVEYS TO COMPLETE THE PROJECT INCLUDING REESTABLISHMENT OF CONTROL POINTS, PROJECT LAYOUT AND STAKING OF EASEMENTS.
19. ALL CURB RAMPS AND SIDEWALKS SHALL BE CONSTRUCTED IN FULL COMPLIANCE WITH REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1990, INCLUDING ALL SUPPLEMENTS IN ACCORDANCE WITH THE CITY OF COLUMBUS STANDARD DRAWING 2319, INCLUDING ALL SUPPLEMENTS AND/OR REPLACEMENTS, CURRENT ON THE DATE OF THE START OF PROJECT CONSTRUCTION. SIDEWALKS SHALL BE CONSTRUCTED WITH A 3/16" PER FOOT (1.56%) CROSS SLOPE.
20. NO NON-RUBBER TIRED VEHICLES SHALL BE MOVED ON CITY STREETS, EXISTING PRIVATE ROADWAYS, OR PARKING LOTS UNLESS WRITTEN APPROVAL IS GRANTED BY THE APPROPRIATE CITY AUTHORITY OR PROPERTY OWNER. ANY DAMAGE MUST BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF GAHANNA AT NO COST TO THE CITY OR PROPERTY OWNER.
21. ANY MODIFICATION TO THE WORK AS SHOWN ON THESE DRAWINGS MUST HAVE PRIOR WRITTEN APPROVAL BY THE CITY OF GAHANNA.
22. THE CONTRACTOR SHALL MAKE HIS OWN PROVISIONS TO PROVIDE A SITE STAGING AREA AND JOB TRAILER (IF REQUIRED) FOR THE PROJECT IMPROVEMENTS.
23. ORANGE CONSTRUCTION FENCING SHALL BE PLACED AROUND THE EXISTING TREES TO BE SAVED AND REMAIN IN PLACE DURING THE DEVELOPMENT CONSTRUCTION. THE LOCATION AND LIMITS OF THE FENCING AND ANY CLEARING NECESSARY SHALL BE AS PER THE APPROVED PLANS.
24. INCONVENIENCE TO THE ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC SHALL BE KEPT TO AN ABSOLUTE MINIMUM. ALL WORK IS TO CONTINUE ON A UNIFORM BASIS AND ON SCHEDULE, PARTICULARLY THE RESTORATION AND CLEAN UP OF DISTURBED AREAS AFTER CONSTRUCTION.
25. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT SOIL TRANSPORT DURING CONSTRUCTION ONTO PUBLIC ROADS. THE CONTRACTOR SHALL CLEAN AND SWEEP STREETS AS DIRECTED BY THE CITY. THE COST FOR STREET SWEEPING AND CLEANING IS TO BE INCLUDED IN THE PRICE BID UNDER VARIOUS ITEMS.
26. THE COST OF RELOCATING AND/OR SECURING ANY POWER POLES AS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS OF THE CONTRACT.
27. ANY REQUIRED RELOCATION, SUPPORT, PROTECTION, RESTORATION, OR ANY OTHER ACTIVITY CONCERNED WITH THE CITY'S ELECTRICAL OR STREET LIGHTING SYSTEMS IN THE CONSTRUCTION AREA IS TO BE PERFORMED SOLELY BY THE CITY AT THE EXPENSE OF THE PROJECT. THE CITY SHALL BE NOTIFIED PRIOR TO CONSTRUCTION TO ALLOW FOR ENGINEERING AND RELOCATION OF FACILITIES.
28. IF ANY ELECTRIC FACILITY BELONGING TO THE CITY IS DAMAGED IN ANY MANNER BY THE CONTRACTOR, ITS AGENTS, SERVANTS, OR EMPLOYEES, THE CITY SHALL MAKE ALL NECESSARY REPAIRS, AND THE EXPENSE OF SUCH REPAIRS AND OTHER RELATED COSTS SHALL BE PAID BY THE CONTRACTOR TO THE CITY.

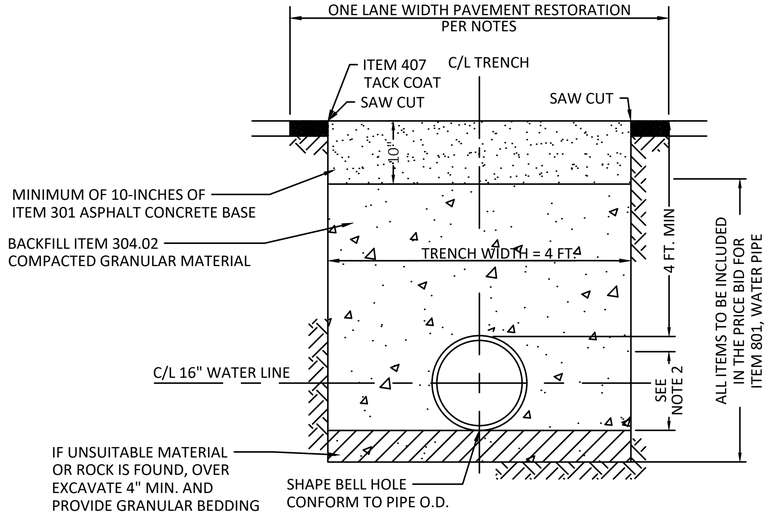
UTILITIES

1. THE CONTRACTOR SHALL GIVE NOTICE TO THE OHIO UTILITIES PROTECTION SERVICE (PHONE 1-800-362-2764) AND TO THE OWNERS OF THE UTILITY FACILITIES SHOWN ON THE PLAN WHO ARE NOT MEMBERS OF A REGISTERED UTILITY PROTECTION SERVICE. THE ABOVE-MENTIONED NOTICE SHALL BE GIVEN AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS. THE CONTRACTOR SHALL EXPOSE ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE VERTICAL AND HORIZONTAL EFFECTS ON THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL GIVE NOTICE TO OUPS AND OTHER UTILITY OWNERS PER THE GENERAL NOTES.
3. WHERE POTENTIAL GRADE CONFLICTS MIGHT OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL EXPOSE AND VERIFY THE DEPTH OF THE EXISTING UTILITY IN ADVANCE OF THE PROPOSED CONSTRUCTION.
4. THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE UTILITY OWNER. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE.
5. THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT AND ARE REGISTERED MEMBERS OF THE UNDERGROUND UTILITY PROTECTION SERVICE:

UTILITY	OWNER	TELEPHONE	FAX
WATER FACILITIES	CITY OF GAHANNA WATER DIVISION 200 S. HAMILTON RD GAHANNA, OH 43230	(614) 342-4440	(614) 342-4100
SEWER FACILITIES	CITY OF GAHANNA SEWER DIVISION 200 S. HAMILTON RD GAHANNA, OH 43230	(614) 342-4440	(614) 342-4100
ELECTRIC FACILITIES	AMERICAN ELECTRIC POWER 850 TECH CENTER DR GAHANNA, OH 43230	(614) 883-6811	(614) 883-6868
GAS	COLUMBUS GAS OF OHIO (DISTRIBUTION) ATTN: ROB CALDWELL 3550 JOHNNY APPLESEED COURT COLUMBUS, OH 43231	P: (614) 818-2104 C: (614) 370-1906 E-MAIL: RCALDWELL@NISOURCE.COM	(614) 460-4265
TELEPHONE	AT&T 150 E. GAY ST COLUMBUS, OH 43212	(800) 660-1000	(614) 223-6296

WATER NOTES

1. ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF THE CITY OF COLUMBUS, DIVISION OF WATER AND THE DIRECTION OF THE CITY OF GAHANNA.
2. WATER MAINS AND FIRE HYDRANT LEADS SHALL BE PVC, PRESSURE CLASS 235 MEETING AWWA C909. JOINTS SHALL BE RUBBER GASKET PUSH-ON MECHANICAL (ASTM F477 FOR C909 PIPE).
3. FIRE HYDRANTS SHALL BE SUPPLIED AND INSTALLED IN ACCORDANCE AS SHOWN ON THE CITY OF COLUMBUS L-6409 AND L-6637 STANDARD CONSTRUCTION DRAWINGS. FIRE HYDRANTS SHALL BE MUELLER SUPER CENTURION 250 FIRE HYDRANT, AMERICAN DARLING 4-1/2 MK73 - 5, OR APPROVED EQUAL. PUBLIC HYDRANTS SHALL BE PAINTED RED FOR THE BONNET / CAPS AND SILVER FOR THE BARREL, FEATURE ONE (1) FOUR-INCH STEAMER NOZZLE PLUS TWO (2) 2.5-INCH HOSE NOZZLES AND SHALL OPEN TO THE LEFT (COUNTER-CLOCKWISE). DELIVER ANY ABANDONED PUBLIC HYDRANTS TO THE CITY OF GAHANNA AT ITS SERVICE FACILITY (152 OKLAHOMA AVE). STORZ CONNECTIONS ARE PROHIBITED FOR NEW PUBLIC HYDRANTS IN GAHANNA. THE HYDRANT TEE IS TO BE A MECHANICAL JOINT SWIVEL TEE.
4. ALL WATER SERVICES SHALL BE INSTALLED IN ACCORDANCE AS SHOWN ON THE CITY OF COLUMBUS L-9901 STANDARD CONSTRUCTION DRAWING. STAINLESS STEEL SERVICE SADDLES SHALL BE PROVIDED FOR ALL WATER SERVICE TAPS.
5. ALL GATE VALVES SHALL BE RESILIENT TYPE MANUFACTURED TO MEET OR EXCEED TO REQUIREMENTS OF AWWA C509 OR AWWA C515.
6. WATERLINES SHALL BE LAID WITH A MINIMUM OF 4'-0" OF COVER FROM THE FINISHED GRADE TO THE TOP OF THE WATER LINE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HORIZONTAL AND VERTICAL DEFLECTIONS OR BENDS OF THE WATER LINES IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DEFLECT WATER LINES TO PROVIDE A 1'-6" VERTICAL AND 10'-0" HORIZONTAL CLEARANCE WITH SEWERS UNLESS AS DIRECTED OTHERWISE BY THE ENGINEER.
7. ALL WATER LINES, INCLUDING MAINS AND SERVICES, SHALL BE TESTED UNDER A MINIMUM HYDROSTATIC TEST OF 150 PSI AND IN ACCORDANCE WITH AWWA C600 AND CITY OF COLUMBUS CMS ITEMS 801.13 AND 801.14. FIRE SERVICE LINES SHALL BE TESTED AT 200 PSI. NO PRESSURE TEST SHALL BE PERFORMED IF THE TEMPERATURE IS BELOW FREEZING.
8. THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF THE PLANS AND RESULTS OF THE PRESSURE TEST. COST OF CHLORINATION SHALL BE INCLUDED IN THE PRICE BID FOR THE WATER LINE ITEMS.
9. ALL MECHANICAL JOINTS ARE REQUIRED TO BE MEGALUGGED, CONCRETE BACKING IS STILL REQUIRED. ALL MECHANICAL PIPE DEFLECTIONS ARE REQUIRED TO BE MEGALUGGED, CONCRETE BACKED, AND JOINT RESTRAINTS MAY BE REQUIRED BY THE ENGINEER. COVERING THE NUTS AND BOLTS OF JOINT HARDWARE WITH CONCRETE BACKING SHALL NOT PERMITTED UNDER ANY CIRCUMSTANCES. THIS REQUIREMENT TAKES PRECEDENCE OVER CITY OF COLUMBUS STANDARD DETAILS. 1 FULL STICK OF PIPE (20') IS TO BE LAID BEFORE THE PLUG.
10. ALL FITTINGS ARE TO BE GPS LOCATED PRIOR TO BACKFILL USING X, Y, AND Z COORDINATES.
11. THE WATER LINE AND SEWER LINE TRENCH UNDER THE INFLUENCE OF PAVEMENT ARE TO BE COMPACTION TESTED.
12. INSTALL COPPERHEAD® OR EQUAL 12-GAUGE HIGH STRENGTH 452LB BREAK STRENGTH 30 MIL HDPE JACKET, COPPER-CLAD, STEEL REINFORCED TRACER WIRE ON ALL WATER MAIN AND SERVICE LINES INSTALLED BY TRENCHING METHODS.
13. INSTALL COPPERHEAD® OR EQUAL 12-GAUGE EXTRA HIGH STRENGTH 1150LB BREAK STRENGTH 45 MIL HDPE JACKET, COPPER-CLAD, STEEL REINFORCED TRACER WIRE ON ALL WATER MAIN AND SERVICE LINES INSTALLED BY BORING METHODS.
14. FASTEN WIRE TO PIPE IN TWO PLACES PER PIPE SECTION. EXTEND TRACER WIRE TO GROUND SURFACE AT ALL VALVES AND HYDRANTS. SPLICE WIRES USING BURNDY COPPER SPLIT BOLT KS-15. THOROUGHLY WRAP THE CONNECTOR AND BARE WIRES WITH 3M TEMFLEX 2155 RUBBER SPLICING TAPE, COVER ENTIRE CONNECTION WITH SCOTCH SUPER 88 HEAVY DUTY GRADE ELECTRICAL TAPE.
15. CONNECT ALL SERVICE LINE WIRES TO MAIN LINE WIRES USING BURNDY COPPER SPLIT BOLT KS-15. THOROUGHLY WRAP THE CONNECTOR AND BARE WIRES WITH 3M TEMFLEX 2155 RUBBER SPLICING TAPE, COVER ENTIRE CONNECTION WITH SCOTCH SUPER 88 HEAVY DUTY GRADE ELECTRICAL TAPE.
16. ALL WATER MAINS SHALL BE DISINFECTED BY CONTRACTOR IN ACCORDANCE WITH AWWA C651.



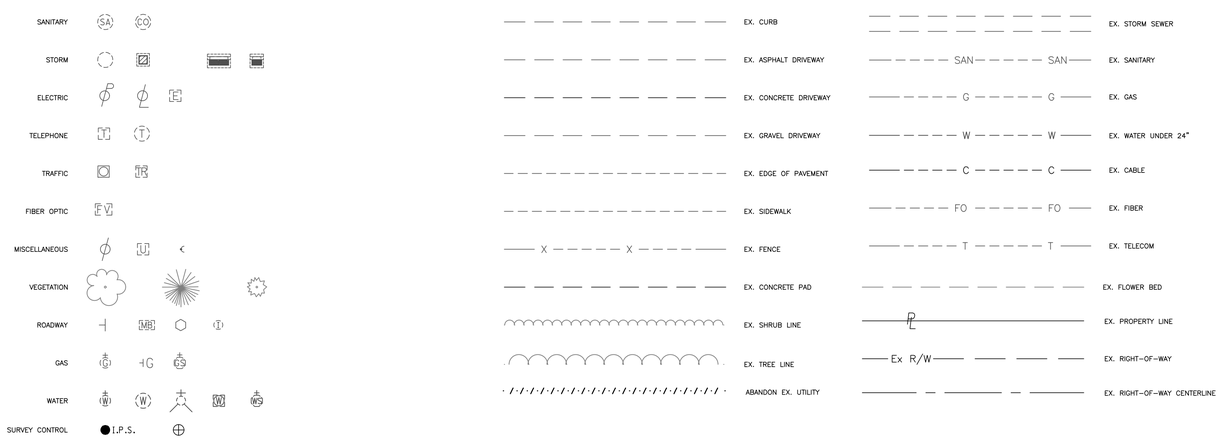
TYPICAL TAYLOR ROAD TRENCH DETAIL

SCALE: NOT TO SCALE

NOTES:

1. REFER TO OSHA REQUIREMENTS FOR MAXIMUM ALLOWANCE TRENCH SLOPES.
2. THIS PORTION OF PIPE EMBEDMENT ZONE MUST BE RECOMPACTED TO PROPER DENSITIES AFTER MOVING SUPPORT SYSTEM FORWARD.
3. PROVIDE FILTER FABRIC WHEN VERY FINE OR UNSTABLE MATERIAL IS ENCOUNTERED.
4. THE TRENCH REPAIR SECTION SHALL CONSIST OF A MINIMUM OF 10-INCHES OF ITEM 301 ASPHALT CONCRETE BASE LEVELED AT GRADE.
5. ONE LANE PAVEMENT RESTORATION SHALL INCLUDE PLANNING 1 1/2-INCHES OF AN 11-FOOT WIDE SECTION OF PAVEMENT AS DIRECTED BY THE CITY'S REPRESENTATIVE FOR THE ENTIRE LENGTH OF THE TRENCH IN TAYLOR ROAD. THE PLANED SURFACE SHALL THEN BE REPAVED WITH ITEM 441 ASPHALT CONCRETE, SURFACE COURSE. ITEM 423 CRACK SEAL, TYPE 1 SHALL BE APPLIED TO EXPOSED JOINTS ONCE PAVEMENT DEPTH OPERATIONS HAVE BEEN COMPLETED. EXISTING CENTER LANE PAVEMENT MARKINGS AND CURB AND GUTTER SHALL NOT BE DISTURBED BY THE WORK.

SYMBOL LEGEND



GENERAL NOTES AND DETAILS

PLOT INFO: Z:\2024\241550\CAD\CD\C003_241550_GENERAL NOTES.DWG LAYOUT: C003 DATE: 10/16/2025 TIME: 3:16:59 PM USER: JGRIFFITH

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny
Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

Hard copy is intended to be 22"x34" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
241550

SHEET NO.
C003

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MAINTENANCE OF TRAFFIC

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND AND AWAY FROM THE CONSTRUCTION SITE AS DESIGNATED IN SECTION 60.01 OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).

2. THE SAFETY OF PEDESTRIAN TRAFFIC SHALL BE CONSIDERED AT ALL TIMES IN THE PROVISION OF TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS AND NOTES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE LIGHTS, SIGNS, BARRICADES AND OTHER WARNINGS TO PHYSICALLY SEPARATE THE PEDESTRIAN FROM HAZARDS INCIDENTAL TO THE CONSTRUCTION OPERATIONS SUCH AS OPEN EXCAVATIONS, ETC.

3. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) FOR CONSTRUCTION AND MAINTENANCE OPERATIONS. ALL DEVICES SHALL MEET FP-85 REFLECTANCE STANDARDS AND IN FULL COMPLIANCE WITH

4. "QUALITY STANDARDS FOR WORK ZONE TRAFFIC CONTROL DEVICES" PUBLISHED BY ATTSSA. ALL TRAFFIC CONTROL DEVICES MUST MEET NCHRP 350.

5. STEADY BURNING, TYPE "C" LIGHTS SHALL BE REQUIRED ON ALL BARRICADES, DRUMS AND SIMILAR TRAFFIC CONTROL DEVICES IN USE AT NIGHT. ALL SIGNS, NINE SQUARE FEET (36" X 36") AND OVER SHALL HAVE YELLOW TYPE "A" LOW INTENSITY FLASHING WARNING LIGHTS AND THREE FLAGS. CONES ARE NOT APPROVED FOR USE AT NIGHT.

6. THE ROADWAY SHALL NOT BE OPENED TO TRAFFIC UNTIL PERMANENT TRAFFIC CONTROLS ARE IN PLACE OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE INSPECTOR ARE INSTALLED. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING THE CONSTRUCTION. PERMANENT TRAFFIC CONTROLS NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROLS SHALL BE REPLACED IMMEDIATELY.

8. ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS SHALL BE MAINTAINED THROUGHOUT THE PROJECT BY THE CONTRACTOR. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, AND IMPROPERLY PLACED TRAFFIC CONTROL DEVICES.

9. ALL TRENCHES WITHIN THE ROAD RIGHT-OF-WAY SHALL BE BACKFILLED OR SECURELY PLATED DURING NON-WORKING HOURS.

10. ALL LANES SHALL BE FULLY OPEN TO TRAFFIC ON ALL PUBLIC STREETS AND ALLEYS UNLESS OTHERWISE APPROVED BY THE CITY OF GAHANNA.

11. ANY WORK DONE BY THE CITY INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF THE NEGLIGENCE OF THE CONTRACTOR SHALL BE AT THE EXPENSE OF THE CONTRACTOR.

TEMPORARY TRAFFIC CONTROL

1. ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (CURRENT EDITION). COPIES ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, OFFICE OF CONTRACTS, 1980 WEST BROAD STREET, COLUMBUS, OHIO 43223. NOTE: ALL DEVICES SHALL COMPLY, FOR CONDITION AND LOCATION, WITH THE CURRENT EDITION OF THE NCHRP 350 AND MASH CRASH TESTING GUIDELINES.

2. CONSTRUCTION OPERATIONS SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL IS IN PLACE AND APPROVED BY THE DEPARTMENT OF PUBLIC SERVICE INSPECTOR. IF THE CONTRACTOR DOES NOT COMPLY WITH THE STANDARDS, INCLUDING THE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND THE REMOVAL OF CONFLICTING TRAFFIC CONTROLS, THEIR PERMIT SHALL BE REVOKED AND ALL WORK SHALL BE TERMINATED. TEMPORARY PAVEMENT MARKINGS TO INCLUDE, BUT NOT LIMITED TO, CHANNELIZING LINES, EDGE LINES, AND CENTERLINES SHALL BE INSTALLED AND MAINTAINED ON ALL CONSTRUCTION OPERATIONS LASTING A MINIMUM OF 14 CALENDAR DAYS OR AS DIRECTED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR THE PROJECT ENGINEER.

3. THE CONTRACTOR SHALL GIVE ADVANCE NOTIFICATION (WRITTEN AND VERBALLY) TO THE TEMPORARY TRAFFIC CONTROL COORDINATOR AT 614-645-0355 OR 614-645-5845 & THE DIVISION OF REFUSE COLLECTION'S OPERATION MANAGER AT 614-645-1675, WRITTEN NOTIFICATION TO PAVING THE WAY AT PAVINGTHEWAY@MORPC.ORG OR VERBAL TO (614)233-4200 , PROJECT ENGINEER, AND THE SENIOR SERVICE PLANNER OF COTA AT 614-308-4373 OR FAX 614-275-5933, INFORMING THEM OF ALL UPCOMING MAINTENANCE OF TRAFFIC CHANGES ON A WEEKLY BASIS. NOTIFICATION SHALL INCLUDE, BUT NOT BE LIMITED TO, WHAT, WHERE, WHEN, AND HOW PEDESTRIAN AND VEHICULAR TRAFFIC WILL BE AFFECTED, AND THE TEMPORARY TRAFFIC CONTROL PROCEDURES THE CONTRACTOR IS PLANNING TO USE. THE TYPE OF TRAFFIC CHANGE SHALL DETERMINE THE LENGTH OF ADVANCE NOTIFICATION REQUIRED:

TYPE OF CHANGE	ADVANCE NOTIFICATION NEEDED
DETOURS/ROAD CLOSURES	30-DAY NOTIFICATION PRIOR TO CLOSURE
LANE CLOSURES LASTING 2 WEEKS OR MORE	2-WEEKS
LANE CLOSURES OF LESS THAN 2 WEEKS	3-DAYS
LANE CLOSURES OF 2 DAYS OR LESS	1-DAY

THE COTA SENIOR SERVICE PLANNER SHALL BE CONTACTED 30 DAYS PRIOR TO ANY PLANNED CLOSURE ON ASSIGNED COTA ROUTES. ANY OTHER UNFORESEEN IMPACTS TO TRAFFIC SHALL BE IMMEDIATELY REPORTED AS THEY OCCUR.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SAFE MOVEMENT OF PEDESTRIANS THROUGH, AROUND, OR DETOURED AWAY FROM THE CONSTRUCTION SITE. TRAFFIC CONTROL FOR PEDESTRIAN MOVEMENT SHALL BE AS PER CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, CITY OF COLUMBUS STANDARD CONSTRUCTION DRAWINGS, AND FIGURES 6H-28 (TA-28) AND 6H-29 (TA-29) OF PART VI OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. WHEN NOT SHOWN ON A SIGNED PLAN, ALL SIDEWALK DIVERSIONS AND TEMPORARY MID-BLOCK CROSSINGS SHALL BE PRE-APPROVED BY THE PROJECT ENGINEER OR THE TEMPORARY TRAFFIC CONTROL COORDINATOR. ACCESS FOR PEDESTRIAN AND VEHICULAR TRAFFIC TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.

5. <u>MAINTAINING TRAFFIC DURING HOLIDAYS AND SPECIAL EVENTS</u>

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING DESIGNATED HOLIDAYS OR SPECIAL EVENTS INCLUDING THE OHIO STATE FOOTBALL HOME GAMES. THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. CONTACT THE CITY OF GAHANNA, 614-343-4000 FOR EVENT DATES, LOCATIONS, AND SCHEDULE. HOLIDAYS WILL CONSIST OF CHRISTMAS, NEW YEARS, FOURTH OF JULY-RED, WHITE AND BOOM FIREWORKS NIGHT (6:00AM-12MIDNIGHT), MEMORIAL DAY, LABOR DAY, AND THANKSGIVING. RED, WHITE AND BOOM, FIREWORKS CELEBRATION AND A MINIMUM OF ONE DAY PRIOR TO FIREWORKS NIGHT SHALL REQUIRE ALL TEMPORARY TRAFFIC CONTROL DEVICES TO BE REMOVED FROM THE PROJECT AREA AND PLACE EITHER IN A PRE-DETERMINED LOCATION APPROVED BY THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR COMPLETELY REMOVED FROM THE SITE.

6. THE CONTRACTOR SHALL CONTACT THE CITY OF GAHANNA FOR ANY ADDITIONAL MOT REQUIREMENTS FOR SPECIAL EVENTS, INCLUDING OSU FOOTBALL HOME GAMES.

7. THE CONTRACTOR SHALL MAINTAIN ALL PERMANENT TRAFFIC CONTROLS NOT IN CONFLICT WITH THE TEMPORARY TRAFFIC CONTROLS THROUGHOUT THIS PROJECT. PERMANENT TRAFFIC CONTROLS MAY BE TEMPORARILY RELOCATED OR COVERED, AS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR MISSING, DAMAGED, OR IMPROPERLY PLACED SIGNS.

8. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF TEMPORARY TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTORS' EXPENSE.

9. THE ROADWAY SHALL NOT BE OPENED TO NON-CONSTRUCTION TRAFFIC UNTIL THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE IN PLACE, OR UNTIL TEMPORARY TRAFFIC CONTROLS APPROVED BY THE ENGINEER, ARE INSTALLED. THE CRITICAL PERMANENT TRAFFIC CONTROLS ARE STOP, YIELD, ONE - WAY, DO NOT ENTER, RESTRICTED TURN SIGNS AND ALL STREET NAME SIGNS. OTHER CRITICAL SIGNS MAY BE NOTED ON THE PLANS AS WELL. THE CONTRACTOR ASSUMES ALL LIABILITY FOR THE PREMATURE REMOVAL OF TEMPORARY TRAFFIC CONTROLS..

ITEM 614 - MAINTAINING TRAFFIC

1. ALL COSTS THAT CONSIST OF MAINTAINING AND PROTECTING VEHICULAR AND PEDESTRIAN TRAFFIC ACCORDING TO THE LATEST EDITION OF THE CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (OMUTCD), AND PER THE REQUIREMENTS DESIGNATED IN THE PLAN INCLUDING ALL LAW ENFORCEMENT OFFICER (LEO) AND FLAGGER HOURS SHALL BE INCLUDED IN THE LUMP SUM ITEM 614.

2. IN ADDITION TO THE REQUIREMENTS HEREIN, AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, A UNIFORMED LAW ENFORCEMENT OFFICER (LEO) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC UNDER THE FOLLOWING CONDITIONS:

- WORK WITHIN A SIGNALIZED INTERSECTION, DEFINED AS THE AREA BOUNDED BY THE REAR CROSSWALK LINES
- WHEN FLAGGING WITHIN THE INTERSECTION OF TWO ARTERIAL ROADWAYS
- WHEN SPECIFIED IN THE MAINTENANCE OF TRAFFIC PLAN OR AS WHEN DIRECTED BY THE PROJECT ENGINEER
- WHEN SHIFTING TRAFFIC LEFT OF CENTER, THROUGH A SIGNALIZED INTERSECTION, WITHOUT SHIFTING SIGNAL HEADS

3. A FLAGGER SHALL BE UTILIZED TO ASSIST IN CONTROLLING TRAFFIC WHILE EQUIPMENT IS ENTERING OR EXITING AN INTERSECTION OR WORK ZONE. THE CONTRACTOR MAY UTILIZE HIS OWN FLAGGER OR LEO UNDER PAY ITEM 614 MAINTAINING TRAFFIC, LUMP SUM. FLAGGERS AND LEO'S SHALL BE EQUIPPED ACCORDING TO THE STANDARDS FOR FLAGGING TRAFFIC CONTAINED IN THE OMUTCD. FLAGGING OPERATIONS PERFORMED BY LEO'S OR DESIGNATED FLAGGERS SHALL ONLY BE PERMITTED AS LONG AS ALL TRAFFIC CONTROL IS IN PLACE ACCORDING TO FIGURE 6H-10 (TA-10) IN THE OHIO MANUAL. PATROL CARS SHALL NOT BE USED IN FLAGGING OPERATIONS.

4. IF THE CONTRACTOR WISHES TO UTILIZE LEO'S WITH OR WITHOUT PATROL CARS FOR TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE. THE CONTRACTOR SHALL MAKE ARRANGEMENT THROUGH THE GAHANNA POLICE DIVISION AT (614) 342-4240.

5. LEO'S SHALL BE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH EMPLOYED BY THE CONTRACTOR, THE CITY REPRESENTATIVE SHALL HAVE CONTROL OVER THEIR PLACEMENT. LEO'S SHALL NOT HAVE THE AUTHORITY TO CHANGE, EDIT OR MODIFY ANY MAINTENANCE OF TRAFFIC SCHEME WITHOUT THE PERMISSION OF THE TEMPORARY TRAFFIC CONTROL COORDINATOR OR PROJECT ENGINEER UNLESS AN EMERGENCY DEVELOPS.

6. IF A SAFETY HAZARD DEVELOPS, A LEO MAY BE ASSIGNED BY THE CITY OF GAHANNA ADMINISTRATIVE SERVICES AND/OR THE PUBLIC SERVICE DIRECTOR AT THE CONTRACTOR'S EXPENSE

EXISTING PERMANENT TRAFFIC CONTROL

1. ANY WORK DONE BY THE DEPARTMENT OF PUBLIC SERVICE, INCLUDING INSTALLATION, RELOCATION, REMOVAL AND/OR REPLACEMENT OF PERMANENT TRAFFIC CONTROL DEVICES AS A RESULT OF WORK DONE BY THE CONTRACTOR OR AS A RESULT OF NEGLIGENCE OF THE CONTRACTOR, SHALL BE AT THE CONTRACTOR'S EXPENSE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REINSTALLATION AND/OR REPLACEMENT OF ALL PERMANENT TRAFFIC CONTROL DEVICES DAMAGED OR REMOVED DURING CONSTRUCTION. PERMANENT TRAFFIC CONTROL NO LONGER IN CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE REPLACED IMMEDIATELY.

3. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS, INCLUDING RAISED PAVEMENT MARKERS (RPM) SHOWN IN CONFLICT, REMOVED DUE TO CONSTRUCTION OR MAINTENANCE OF TRAFFIC SET UP, DESTROYED, OR RENDERED UNSERVICEABLE BY THE PROJECT ENGINEER OR THE PUBLIC SERVICE PAVEMENT MARKING MANAGER. ALL PAVEMENT MARKING MATERIALS SHALL BE REPLACED IN-LIKE KIND TO THE CURRENT CMSC SPECIFICATION REQUIREMENTS IF NOT SHOWN IN THE PLAN OR PERMIT INCLUDING RAISED PAVEMENT MARKERS. ALL PAVEMENT MARKINGS SHALL BE REPLACED IN FULL. NO PARTIAL LENGTH OR SECTIONS OF PAVEMENT MARKINGS SHALL BE REPLACED WITHOUT REMOVING THE ENTIRE MARKING BY USE OF THE WATER BLAST METHOD. REMOVAL BY ABRASIVE WHEEL GRINDING SHALL ONLY BE APPROVED BY THE PUBLIC SERVICE PAVEMENT MARKING MANAGER.

MAINTENANCE OF TRAFFIC NOTES

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C004

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SEDIMENT AND EROSION CONTROL

ALL LAND DISTURBING ACTIVITIES SHALL BE SUBJECT TO INSPECTION AND SITE INVESTIGATION BY THE CITY OF GAHANNA TO DETERMINE COMPLIANCE WITH THE CITY STANDARDS AND REGULATIONS. FAILURE TO COMPLY WITH THESE REGULATIONS MAY SUBJECT THE SITE TO ENFORCEMENT ACTION BY THE CITY. QUESTIONS REGARDING THE EROSION AND SEDIMENT CONTROL MAY BE REFERRED TO THE PUBLIC SERVICE AND ENGINEERING OFFICE AT 614-342-4005.

SITE IS TRIBUTARY TO: BIG WALNUT CREEK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING, INSPECTING MAINTAINING AND REMOVING ALL TEMPORARY EROSION AND SEDIMENT CONTROLS AS REQUIRED BY GOVERNING LOCAL, STATE AND FEDERAL AGENCIES AS WELL AS ITEM 207 OF THE CMSC.

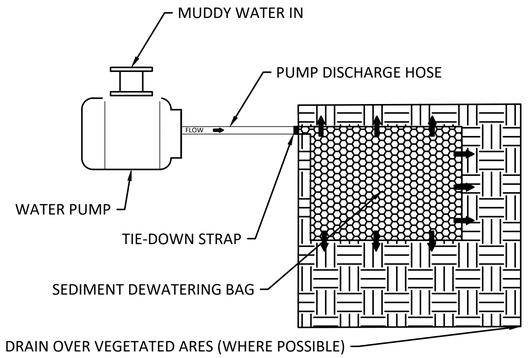
ALL EXPENDITURES REQUIRED FOR THIS WORK SHALL BE PAID FOR UNDER THE LUMP SUM CONTRACT PRICE FOR SEDIMENT AND EROSION CONTROL. IF NO SPECIFIC ITEM FOR EROSION CONTROL IS LISTED IN THE CONTRACT DOCUMENTS, THEN THE COST SHALL BE INCLUDED IN THE VARIOUS WATER MAIN ITEMS. ALL EROSION SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF GAHANNA, PROJECT ENGINEER. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CITY OF GAHANNA TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF INITIAL SITE LAND DISTURBANCE ON ANY SITE OF ONE (1) OR MORE ACRES. THIS INCLUDES SITE CLEARING, GRUBBING AND ANY EARTH MOVING. PRIMARY EROSION AND SEDIMENT CONTROL CONSTRUCTION ACTIVITY. DETAILS OF THESE REQUIREMENTS MAY BE FOUND IN THE CITY OF GAHANNA CODIFIED ORDINANCE CHAPTER 1195.

NOTE

THE PUMPING OF SEDIMENT-LADEN (MUDDY) WATER TO THE CITY'S SEWER SYSTEM OR RECEIVING STREAM IS A VIOLATION OF THE OHIO EPA AND CITY OF GAHANNA REGULATIONS.

ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES OR OTHER DIRECT DISCHARGE SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER SYSTEM AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.

DISCHARGE HOSES USED DURING PUMPING ACTIVITIES SHALL BE FITTED WITH SEDIMENT BAGS THAT ARE PROPERLY SIZED PER THE MANUFACTURER'S RECOMMENDATIONS REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREA WHERE FEASIBLE DURING DISCHARGE. SEE DETAIL BELOW OF A TYPICAL SEDIMENT BAG INSTALLATION



TYPICAL SEDIMENT BAG / DEWATERING BAG

STREET TREE PLANTING

ALL STREET TREE PLANTING MATERIALS AN INSTALLATION SHALL BE IN ACCORDANCE WITH THE CURRENT RULES AND REGULATIONS OF THE CITY OF GAHANNA, INCLUDING BUT NOT LIMITED TO CODIFIED ORDINANCE 913.10

CONTRACTOR SHALL SUPPLY ALL TREES. TREES MUST BE BETWEEN 1.5-INCHES AND 2.5-INCHES CALIPER PER GAHANNA CODIFIED ORDINANCE 913. TREES SHALL BE IN GOOD CONDITION UPON INSTALLATION.

ACCEPTABLE TREE SPECIES ARE INCLUDED IN THE TABLE BELOW. ANY SUBSTITUTIONS MUST BE INCLUDED ON THE GAHANNA RECOMMENDED STREET TREE LIST AND APPROVED BY THE FORESTRY SUPERINTENDENT PRIOR TO ORDERING.

COMMON NAME	SCIENTIFIC NAME
IVORY SILK JAPANESE TREE LILAC	*Syringa reticulata* 'IVORY SILK'
SNOWCONE SNOWBELL	*Styrax janponicus* 'SNOWCONE'
WEDDING BELLS SILVERBELL	*Halesia carolina 'U. CONN WEDDING BELLS'*
LUSTRE SERVICEBERRY	*Amelanchier laevis* 'ROGERS'
PAGODA DOGWOOD	*Cornus alternifolia*

AT LEAST THREE ACCEPTABLE TREE SPECIES SHALL BE USED. EACH SPECIES USED SHALL BE USED EQUALLY IN AN ALTERNATING PATTERN FROM EAST TO WEST ALONG TAYLOR ROAD.

ONE STAKE AND ONE WATERING BAG SHALL BE PROVIDED FOR EACH TREE.

CONTRACTOR SHALL WATER AND MAINTAIN TREES FOR ONE YEAR AFTER PLANTING.

ALL TREES SHALL BE PLANTED BETWEEN THE MONTHS OF MARCH-JUNE OR OCTOBER-JANUARY, OR UNTIL THE GROUND IS FROZEN. CONTRACTOR SHALL COMMUNICATE EXPECTED PLANTING DATE WITH THE CITY OF GAHANNA PRIOR TO STARTING.

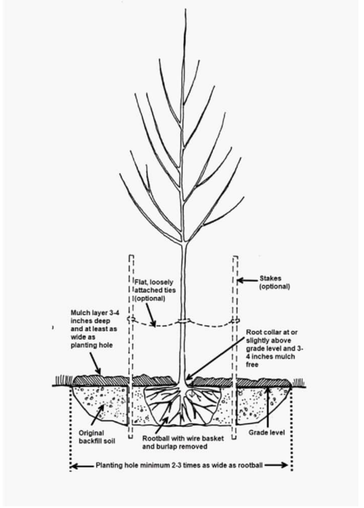
THE CONTRACTOR SHALL GIVE NOTICE TO OUPS AND THE CITY OF GAHANNA PRIOR TO DIGGING.

THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION, AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THESE PLANS OR NOT. KNOWN DAMAGE TO UTILITIES SHALL BE REPORTED TO THE CITY OF GAHANNA IMMEDIATELY.

THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE UTILITY OWNER. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF THE SAME AND FOR ANY RESULTING CONTINGENT DAMAGE.

TREES SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL SOCIETY OF ARBORICULTURE TREE PLANTING BMPS, INDICATED IN THE TYPICAL STREET TREE PLANTING FIGURE. BMP PROVISIONS INCLUDE PLACING THE COLLAR AT ROOT LEVEL, FULLY REMOVING BURLAP, TWINE, WIRE BASKET, AND ALL OTHER SYNTHETIC MATERIAL FROM THE ROOT BALL PRIOR TO PLANTING, AND REMOVING BROKEN BRANCHES AND GIRDLING ROOTS AT PLANTING. MULCH SHALL BE PULLED AWAY FROM THE TRUNKS OF TREES AT PLANTING. FAILURE TO COMPLY WITH THESE REGULATIONS MAY SUBJECT THE SITE TO ENFORCEMENT ACTION BY THE CITY. QUESTIONS REGARDING STREET TREE PLANTING REQUIREMENTS MAY BE DIRECTED TO THE CITY OF GAHANNA CONTACTS BELOW.

CONTACT	TELEPHONE	EMAIL
JULIE PREDIERI, FORESTRY SUPERVISOR	(614) 342-4261	JULIE.PREDIERI@GAHANNA.GOV
KODY RUBRIGHT, FORESTRY FOREMAN	(614) 342-4277	KODY.RUBRIGHT@GAHANNA.GOV



TYPICAL STREET TREE PLANTING

SESC AND TREE PLANTING NOTES

PLOT INFO: Z:\2024\241550\CAD\CD\C003_241550_GENERAL NOTES.DWG LAYOUT: C005 DATE: 10/16/2025 TIME: 3:18:32 PM USER: JGRIFFITH

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C005

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SURVEY COORDINATES						
TAYLOR ROAD						
SHEET NUMBER	DESCRIPTION	STATION	OFFSET	AS-BUILT NORTHING	AS-BUILT EASTING	C/L ELEV.
C101	12" TAPPING SLEEVE	0+00				
C101	16"X12" REDUCER	0+06				
C101	45° HORIZONTAL BEND	0+08				
C101	45° HORIZONTAL BEND	0+16				
C101	16" VERTICAL DEFLECTION	0+21				
C101	16" VERTICAL DEFLECTION	0+44				
C101	11.25° VERTICAL BEND	0+53				
C101	2" SERVICE LT. (550 TAYLOR ROAD)	0+59				
C101	11.25° VERTICAL BEND	0+71				
C101	11.25° HORIZONTAL BEND	0+74				
C101	16" HORIZONTAL DEFLECTION	1+22				
C101	16" HORIZONTAL DEFLECTION	1+37				
C101	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	1+45	12.00			
C101	16"X6" ANCHOR TEE	1+50				
C101	11.25° VERTICAL BEND	1+52				
C101	16" HORIZONTAL DEFLECTION	1+67				
C101	11.25° VERTICAL BEND	1+70				
C101	16" HORIZONTAL DEFLECTION	1+77				
C101	16" VERTICAL DEFLECTION	1+80				
C101	16" HORIZONTAL DEFLECTION	1+87				
C101	16" GATE VALVE	2+04				
C101	16" HORIZONTAL DEFLECTION	2+12				
C101	3" SERVICE LT. (590 TAYLOR ROAD)	2+40				
C102	16" HORIZONTAL DEFLECTION	2+57				
C102	16" VERTICAL DEFLECTION	3+35				
C102	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	3+42	9.00			
C102	16"X6" ANCHOR TEE	3+47				
C102	11.25° VERTICAL BEND	3+47				
C102	11.25° VERTICAL BEND	3+55				
C102	11.25° VERTICAL BEND	3+64				
C102	11.25° VERTICAL BEND	3+76				
C102	16" HORIZONTAL DEFLECTION	3+82				
C102	16" VERTICAL DEFLECTION	3+86				
C102	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	5+40	9.00			
C102	16"X6" ANCHOR TEE	5+45				
C102	16" VERTICAL DEFLECTION	5+84				
C102	11.25° VERTICAL BEND	5+94				
C102	11.25° VERTICAL BEND	6+01				
C102	16" GATE VALVE	6+06				
C102	16"X6" TEE	6+11				
C102	11.25° VERTICAL BEND	6+23				
C103	11.25° VERTICAL BEND	6+41				
C103	16" GATE VALVE	6+55				
C103	16" VERTICAL DEFLECTION	6+61				
C103	16" VERTICAL DEFLECTION	7+11				
C103	16"X6" ANCHOR TEE	7+13				
C103	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	7+18	9.00			
C103	11.25° VERTICAL BEND	7+32				
C103	11.25° VERTICAL BEND	7+42				
C103	16"X6" TEE	8+48				

SURVEY COORDINATES						
SHEET NUMBER	DESCRIPTION	STATION	OFFSET	AS-BUILT NORTHING	AS-BUILT EASTING	C/L ELEV.
C103	11.25° VERTICAL BEND	8+53				
C103	11.25° VERTICAL BEND	8+71				
C103	16" VERTICAL DEFLECTION	8+76				
C103	16" VERTICAL DEFLECTION	9+46				
C104	16" VERTICAL DEFLECTION	10+23				
C104	16"X6" ANCHOR TEE	10+85				
C104	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	10+90	9.00			
C104	16"X6" TEE	11+30				
C104	11.25° VERTICAL BEND	11+38				
C104	11.25° VERTICAL BEND	11+46				
C104	16" VERTICAL DEFLECTION	11+50				
C104	16"X6" TEE	13+27				
C104	16" VERTICAL DEFLECTION	13+34				
C104	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	13+40	9.00			
C104	16"X6" ANCHOR TEE	13+45				
C104	3/4" SERVICE LT. (748 TAYLOR ROAD)	13+73				
C104	16" VERTICAL DEFLECTION	13+87				
C104	16" VERTICAL DEFLECTION	13+98				
C104	11.25° VERTICAL BEND	14+08				
C104	11.25° VERTICAL BEND	14+18				
C104	16" VERTICAL DEFLECTION	14+29				
C105	16" VERTICAL DEFLECTION	15+43				
C105	16" GATE VALVE	15+50				
C105	16" VERTICAL DEFLECTION	15+55				
C105	16" VERTICAL DEFLECTION	16+03				
C105	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	16+09	9.00			
C105	16"X6" ANCHOR TEE	16+16				
C105	11.25° VERTICAL BEND	16+34				
C105	11.25° VERTICAL BEND	16+44				
C105	11.25° VERTICAL BEND	16+54				
C105	3/4" SERVICE LT. (744 TAYLOR ROAD)	16+64				
C105	11.25° VERTICAL BEND	16+70				
C105	16" VERTICAL DEFLECTION	16+82				
C105	16"X6" TEE	18+39				
C106	3/4" SERVICE LT. (820 TAYLOR ROAD)	20+03				
C106	16" VERTICAL DEFLECTION	20+92				
C106	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	21+10	10.00			
C106	16"X6" ANCHOR TEE	21+15				
C106	16" VERTICAL DEFLECTION	21+21				
C107	16" VERTICAL DEFLECTION	22+49				
C107	16" VERTICAL DEFLECTION	22+69				
C107	16" VERTICAL DEFLECTION	24+14				
C107	11.25° VERTICAL BEND	24+24				
C107	11.25° VERTICAL BEND	24+32				
C107	16"X6" TEE	24+51				
C107	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	24+60	10.00			
C107	16"X6" ANCHOR TEE	24+66				
C107	16" VERTICAL DEFLECTION	24+69				
C107	16" VERTICAL DEFLECTION	25+44				
C107	16" GATE VALVE	25+50				
C107	16" VERTICAL DEFLECTION	25+55				

SURVEY COORDINATES

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Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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SHEET NO.
C006

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SURVEY COORDINATES						
TAYLOR ROAD						
SHEET NUMBER	DESCRIPTION	STATION	OFFSET	AS-BUILT NORTHING	AS-BUILT EASTING	C/L ELEV.
C108	3/4" SERVICE LT. (860 TAYLOR ROAD)	25+84				
C108	1.5" SERVICE RT. (861 TAYLOR ROAD)	26+61				
C108	3/4" SERVICE LT. (872 TAYLOR ROAD)	26+92				
C108	16" VERTICAL DEFLECTION	27+64				
C108	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	27+70	10.00			
C108	16"X6" ANCHOR TEE	27+75				
C108	16" VERTICAL DEFLECTION	27+94				
C108	16" VERTICAL DEFLECTION	28+05				
C108	3/4" SERVICE LT. (886 TAYLOR ROAD)	28+08				
C108	11.25° VERTICAL BEND	28+15				
C108	11.25° VERTICAL BEND	28+23				
C108	16" VERTICAL DEFLECTION	28+35				
C108	16"X6" TEE	28+56				
C108	16" VERTICAL DEFLECTION	29+24				
C109	16"X8" TEE	29+69				
C109	16" VERTICAL DEFLECTION	30+84				
C109	16"X6" ANCHOR TEE	30+85				
C109	TYPE "A" FIRE HYDRANT ASSEMBLY, MODIFIED LT.	30+90	10.00			
C109	11.25° VERTICAL BEND	30+95				
C109	11.25° VERTICAL BEND	31+05				
C109	11.25° VERTICAL BEND	31+19				
C109	11.25° VERTICAL BEND	31+32				
C109	16" VERTICAL DEFLECTION	31+43				
C109	1.5" SERVICE RT. (915 TAYLOR ROAD)	31+45				
C109	16" HORIZONTAL DEFLECTION	31+90				
C109	16" HORIZONTAL DEFLECTION	32+07				
C109	16" HORIZONTAL DEFLECTION	32+30				
665 TAYLOR ROAD						
C110	16"X8" TEE	33+00				
C110	8" GATE VALVE	33+06				
C110	11.25° VERTICAL BEND	37+20				
C110	11.25° VERTICAL BEND	37+26				
CHADWOOD DRIVE						
C110	16"X8" TEE	34+00				
C110	22.5° VERTICAL BEND	34+07				
C110	22.5° VERTICAL BEND	34+15				
C102	45° HORIZONTAL BEND	34+20				
C102	45° HORIZONTAL BEND	34+28				
C110	8" GATE VALVE	34+33				

SURVEY COORDINATES						
SHEET NUMBER	DESCRIPTION	STATION	OFFSET	AS-BUILT NORTHING	AS-BUILT EASTING	C/L ELEV.
690 TAYLOR ROAD						
C110	16"X6" TEE	35+00				
C110	45° VERTICAL BEND	35+11				
C103	45° HORIZONTAL BEND	35+14				
C110	45° VERTICAL BEND	35+16				
C110	6" GATE VALVE	35+19				
700 TAYLOR ROAD						
C110	16"X6" TEE	36+00				
C110	45° VERTICAL BEND	36+11				
C104	45° HORIZONTAL BEND	36+13				
C110	45° VERTICAL BEND	36+14				
C110	6" GATE VALVE	36+19				
735 TAYLOR ROAD						
C110	16"X6" TEE	37+00				
C110	6" GATE VALVE	37+06				
C110	6" VERTICAL DEFLECTION	37+14				
C110	6" VERTICAL DEFLECTION	37+26				
775 TAYLOR ROAD						
C111	16"X6" TEE	38+00				
C111	6" GATE VALVE	38+06				
C111	6" VERTICAL DEFLECTION	38+08				
C111	6" VERTICAL DEFLECTION	38+26				
825 TAYLOR ROAD						
C111	16"X6" TEE	39+00				
C111	6" GATE VALVE	39+06				
C111	11.25° VERTICAL BEND	39+18				
C111	11.25° VERTICAL BEND	39+23				
C111	11.25° VERTICAL BEND	39+29				
C111	11.25° VERTICAL BEND	39+32				
861 TAYLOR ROAD						
C111	16"X6" TEE	40+00				
C111	6" GATE VALVE	40+06				
C111	11.25° VERTICAL BEND	40+18				
C111	11.25° VERTICAL BEND	40+23				
C111	11.25° VERTICAL BEND	40+28				
C111	11.25° VERTICAL BEND	40+32				
915 TAYLOR ROAD						
C111	16"X6" TEE	41+00				
C111	6" GATE VALVE	41+06				
C111	11.25° VERTICAL BEND	41+21				
C111	11.25° VERTICAL BEND	41+24				
C111	11.25° VERTICAL BEND	41+29				
C111	11.25° VERTICAL BEND	41+32				

SURVEY COORDINATES

PLOT INFO: Z:\2024\241550\CAD\CD\C003_241550_GENERAL NOTES.DWG LAYOUT: C007 DATE: 10/16/2025 TIME: 3:19:55 PM USER: JGRIFFITH

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City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C007

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REF. NO.	ITEM NO.	DESCRIPTION	QTY	UNIT	C101	C102	C103	C104	C105	C106	C107	C108	C109	GN01	MTGNO1
1	105	CONTROL OF WORK - PHOTOGRAPHS AND VIDEOS	1	LUMP											
2	108	CPM PROGRESS SCHEDULE	1	LUMP											
3	201	CLEARING AND GRUBBING	1	LUMP											
4	201	TREE REMOVED	53	EA	5	3	7	6	8	6	7	8	3		
5	201	STUMP REMOVED	53	EA	5	3	7	6	8	6	7	8	3		
6	202	REMOVAL OF STRUCTURES AND OBSTRUCTIONS - CURB AND GUTTER REMOVED	890	LF	57	131	172	108	125	59	79	100	59		
7	202	REMOVAL OF STRUCTURES AND OBSTRUCTIONS - CURB REMOVED	350	LF	55	55	118	55	67						
8	202	REMOVAL OF STRUCTURES AND OBSTRUCTIONS - WALK REMOVED	12191	SF	1207	1351	1335	1468	1169	642	1762	1540	1717		
9	202	REMOVAL OF STRUCTURES AND OBSTRUCTIONS - PAVEMENT REMOVED	1666	SY	132	188	295	221	271	125	108	196	130		
10	207	CONSTRUCTION SEEDING AND MULCHING	17273	SY	1325	1827	2178	2132	1971	1439	2345	2078	1978		
11	207	INLET PROTECTION	27	EA	8	3	2	4	2		4	2	2		
12	207	PERIMETER FILTER FABRIC FENCE	7562	LF	676	783	840	868	870	549	940	943	1093		
13	207	DESIGNATED CONCRETE WASHOUT AREA	2	EA											60
14	252	PAVEMENT REPAIR - FULL DEPTH PAVEMENT SAWING	88	LF	24		64								
15	259	PERMANENT PAVEMENT REPLACEMENT	1035	CY	85	115	139	146	146	92	60	143	109		
16	301	ASPHALT CONCRETE BASE	402	CY	31	48	51	49	49	33	54	48	38		
17	407	TACK COAT	145	GAL	11	17	18	18	18	12	20	17	14		
18	410	TRAFFIC COMPACTED SERVICES - TYPE A OR B	60	CY											
19	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	171	CY	14	21	22	21	21	14	22	20	16		
20	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449)	7	CY	1	1	2	1	2						
21	452	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS FS	112	SY					11	21	33	37	10		
22	452	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS FS	235	SY	25	40	83	40	47						
23	604	MANHOLE ADJUSTED TO GRADE (STORM)	6	EA											
24	604	MANHOLE ADJUSTED TO GRADE (SANITARY)	1	EA											
25	608	WALKS, CURB RAMPS, AND STEPS - CURB AND GUTTER RESTORATION	116	LF	8	12	8	24	8	12	8	24	12		
26	608	WALKS, CURB RAMPS, AND STEPS - CURB RAMPS	9	EA	2	2	2	1	1				1		
27	608	WALKS, CURB RAMPS, AND STEPS - SIDEWALK RESTORATION	144	SF	16		16	48		16		48			
28	608	WALKS, CURB RAMPS, AND STEPS - 4" CONCRETE SIDEWALK RESTORATION	14356	SF	1365	1559	1511	1728	1505	1141	1870	1587	2090		
29	608	WALKS, CURB RAMPS, AND STEPS - 6" CONCRETE SIDEWALK RESTORATION	1118	SF					111	210	331	364	102		
30	608	WALKS, CURB RAMPS, AND STEPS - 8" CONCRETE SIDEWALK RESTORATION	1745	SF	168	341	539	271	406				20		
31	608	WALKS, CURB RAMPS, AND STEPS - DETECTABLE WARNING TYPE E	50	SF	10	20							20		
32	609	COMBINATION CURB AND GUTTER, TYPE SPECIAL 8"	725	LF		119	164	84	117	47	71	76	47		
33	609	CURB, STRAIGHT 18"	310	LF	15	55	118	55	67						
34	614	MAINTAINING TRAFFIC	1	LUMP											
35	615	TEMPORARY PAVEMENT	3961	SY	306	477	501	489	489	330	538	477	354		
36	616	DUST CONTROL - WATER	5	MGAL											
37	616	DUST CONTROL - CALCIUM CHLORIDE	1	TON											
38	619	FIELD OFFICE	9	MONTH											
39	623	CONSTRUCTION LAYOUT STAKES AND SURVEYING	1	LUMP											

TAYLOR ROAD QUANTITIES TABLE

PLOT INFO: Z:\2024\241550\CAD\CD\C003_241550_GENERAL NOTES.DWG LAYOUT: C008 DATE: 10/16/2025 TIME: 3:20:38 PM USER: JGRIFFITH

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City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C008

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REF. NO.	ITEM NO.	DESCRIPTION	QTY	UNIT	C101	C102	C103	C104	C105	C106	C107	C108	C109	GN01	MTGNO1
40	624	MOBILIZATION	1	LUMP											
41	630	REMOVAL OF GROUND MOUNTED SIGN AND RE-ERECTION	1	EA											
42	630	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	1	EA											
43	630	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	1	EA											
44	644	STOP LINE, 24"	28	LF		12							16		
45	644	CROSSWALK LINE, 12"	197	LF	60	56							81		
46	659	SEEDING AND MULCHING, CLASS 1	1748	SY	163	179	169	210	186	147	242	206	246		
47	659	SEEDING AND MULCHING - TOPSOIL	193	CY										193	
48	659	SEEDING AND MULCHING- REPAIR SEEDING AND MULCHING	90	SY										90	
49	659	SEEDING AND MULCHING - INTER-SEEDING	90	SY										90	
50	659	SEEDING AND MULCHING - COMMERCIAL FERTILIZER	0.25	TON										0.25	
51	659	SEEDING AND MULCHING - LIME	0.36	ACRE										0.36	
52	659	SEEDING AND MULCHING - WATER	10	MGAL										10	
53	801	6-INCH WATER PIPE & FITTINGS	167	LF			30	52	30		32	32			
54	801	8-INCH WATER PIPE & FITTINGS	70	LF		74							32		
55	801	16-INCH WATER PIPE & FITTINGS	3240	LF	250	390	410	400	400	270	440	390	290		
56	801	CONCRETE BACKING CLASS COC 6, INCREASE OR DECREASE	28	CY											
57	802	6-INCH VALVE AND APPURTENANCES	6	EA			1	2	1		1	1			
58	802	8-INCH VALVE AND APPURTENANCES	3	EA		2							1		
59	802	16-INCH VALVE AND APPURTENANCES	5	EA	1	2			1		1				
60	802	12-INCH INSERTION VALVE AND APPURTENANCES	2	EA	2										
61	803	12-INCH TAPPING SLEEVE AND VALVE AND APPURTENANCES	1	EA	1										
62	805	3/4-INCH CURB STOP	12	EA		1		1	1	2	2	4	1		
63	805	1.5-INCH CURB STOP	2	EA								1	1		
64	805	2-INCH CURB STOP	1	EA	1										
65	805	3-INCH CURB STOP	1	EA	1										
66	805	CURB BOX	16	EA	2	1		1	1	2	2	5	2		
67	805	1.5-INCH WATER SERVICE LINE	71	LF								35	36		
68	805	1.5-INCH SERVICE TAP AND CORPORATION STOP	2	EA								1	1		
69	805	3/4-INCH WATER SERVICE LINE TRANSFER	12	EA		1		1	1	2	2	4	1		
70	805	2-INCH WATER SERVICE LINE TRANSFER	1	EA	1										
71	805	3-INCH WATER SERVICE LINE TRANSFER	1	EA	1										
72	808	CUT AND PLUG (CAP) 8-INCH WATER MAIN	1	EA		1									
73	808	CUT AND PLUG (CAP) 12-INCH WATER MAIN	2	EA	1								1		
74	808	3/4-INCH WATER TAP ABANDONED	6	EA				1	1	1		3			
75	808	3-INCH WATER TAP ABANDONED	1	EA	1										
76	808	6-INCH WATER TAP ABANDONED	2	LF			1	1							
77	808	8-INCH WATER TAP ABANDONED	1	EA	1										
78	808	12-INCH WATER MAIN ABANDONED	3240	LF	250	390	410	400	400	270	440	390	290		

TAYLOR ROAD QUANTITIES TABLE

PLOT INFO: Z:\2024\241550\CAD\CD\C003_241550_GENERAL NOTES.DWG LAYOUT: C009 DATE: 10/16/2025 TIME: 3:21:22 PM USER: JGRIFFITH

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City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C009

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REF. NO.	ITEM NO.	DESCRIPTION	QTY	UNIT	C101	C102	C103	C104	C105	C106	C107	C108	C109	GN01	MTGNO1
79	809	FIRE HYDRANT - INSTALLATION	11	EA	1	2	1	2	1	1	1	1	1		
80	809	FIRE HYDRANT - REMOVAL AND DISPOSAL	8	EA	1	1	1	1	1		2		1		
81	810	6-INCH FIRE HYDRANT EXTENSION	1	EA						1					
82	810	24-INCH FIRE HYDRANT EXTENSION	1	EA	1										
83	811	INCREASE OR DECREASE IN BACKFILL	50	CY											
84	SPEC	16-INCH WATER PIPE & FITTINGS - HORIZONTAL DIRECTIONAL DRILL	290	LF							290				
85	SPEC	DECIDUOUS TREE, (2"), (*Syringa reticulata*)	14	EA	2	1	1	2	1	2	1	2	2		
86	SPEC	DECIDUOUS TREE, (2"), (*Styrax janponicus*)	14	EA	1	2	1	2	1	1	2	2	2		
87	SPEC	DECIDUOUS TREE, (2"), (*Halesia carolina*)	13	EA	1	1	2	1	2	1	2	2	1		
88	SPEC	DECIDUOUS TREE, (2"), (*Amelanchier laevis*)	13	EA	1	1	1	2	2	1	2	1	2		
89	SPEC	DECIDUOUS TREE, (2"), (*Cornus alternifolia*)	13	EA	1	1	1	2	2	1	2	1	2		

TAYLOR ROAD QUANTITIES TABLE

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Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C010

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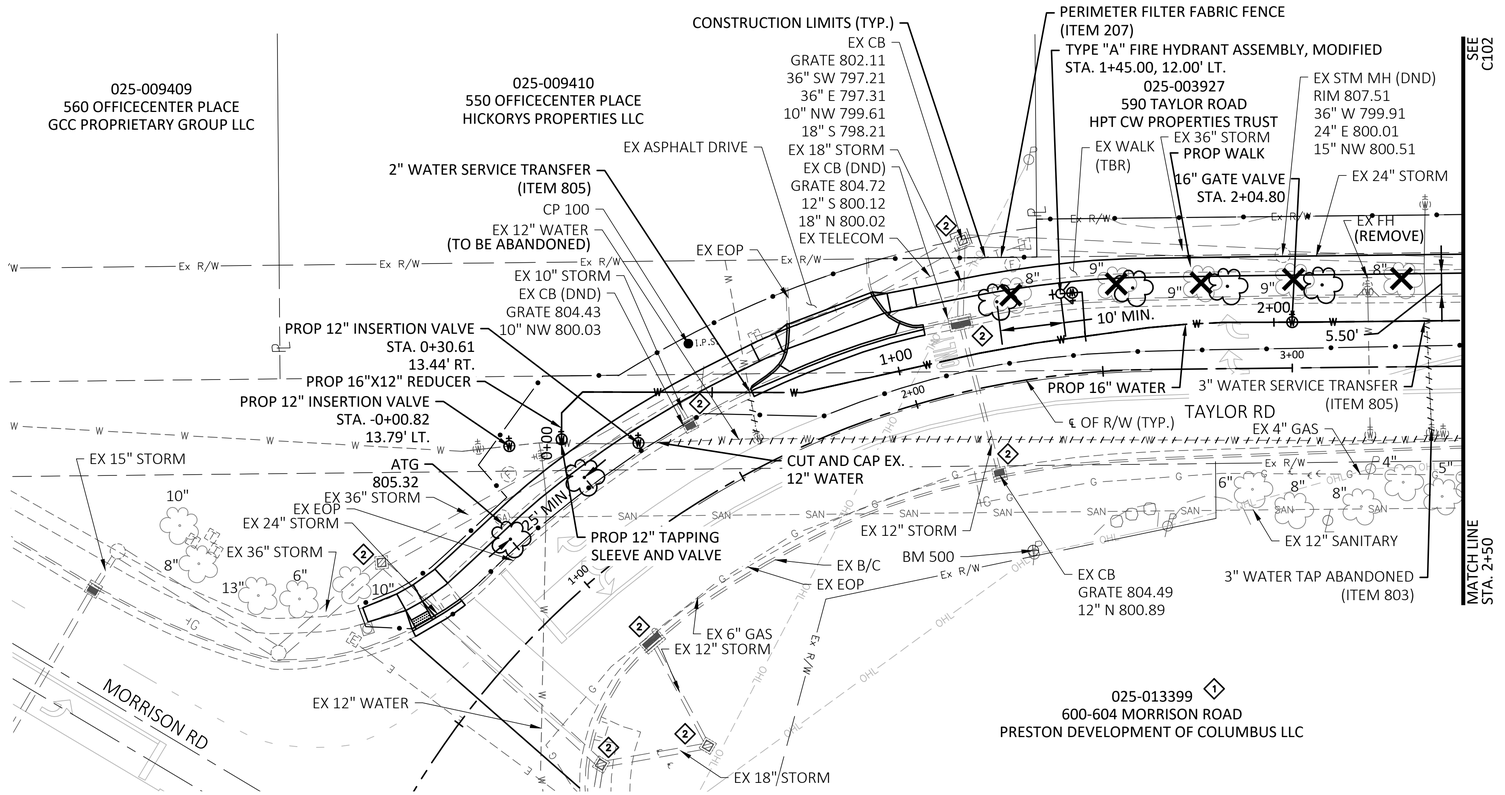

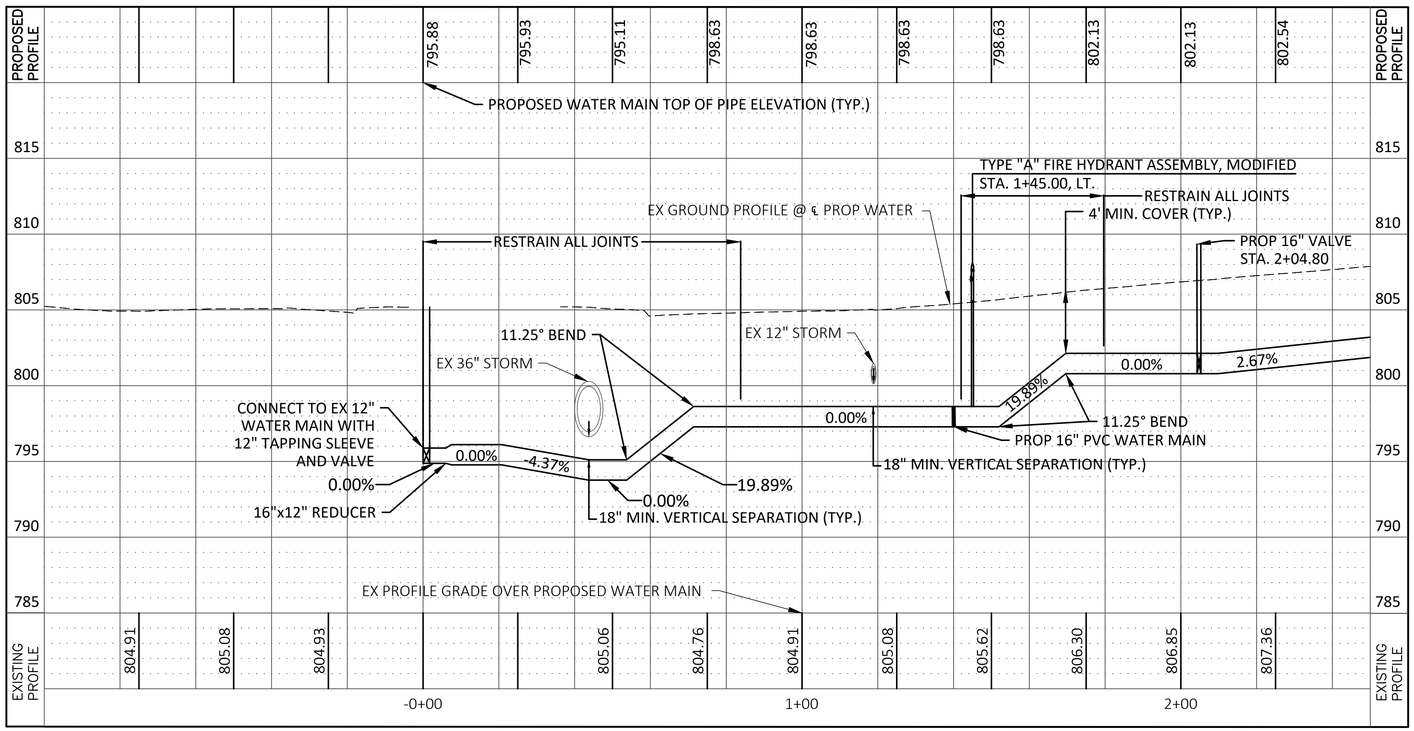

NOTES

1. REFER TO SHEET C001 FOR SURVEY CONTROL & BENCHMARK INFORMATION.
2. CONTRACTOR SHALL VERIFY DEPTH & HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO PROPOSED UTILITY INSTALLATION.

HORIZONTAL DEFLECTION TABLE

STATION	OFFSET	DEFLECTION TYPE
0+08.00	-	45°
0+15.83	-	45°
0+73.83	-	11.25°
1+21.69	-	-
1+36.69	-	-
1+66.69	-	-
1+76.69	-	-
1+86.69	-	-
2+11.66	-	-

NOTE: A DASH IN THE DEFLECTION TYPE COLUMN INDICATES A DEFLECTION NOT TO EXCEED 2 1/2°.

LEGEND

- TO BE REMOVED
- TO BE ABANDONDED
- CONSTRUCTION LIMITS AND PERIMETER FILTER FABRIC FENCE (ITEM 207)

KEY NOTES

1. WATER SERVICE LOCATION UNKNOWN. CONTRACTOR TO LOCATE. ASSUME 80 LF OF 2-INCH SERVICE DURING BIDDING.
2. INLET PROTECTION SHALL BE PROVIDED FOR ALL CURB INLETS AND CATCH BASINS

NORTH

STA. 0+00 TO STA. 2+50
TAYLOR ROAD PLAN AND PROFILE
SCALE: 1" = 20'
0 10 20 40
VERT SCALE: 1" = 5'

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Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C101

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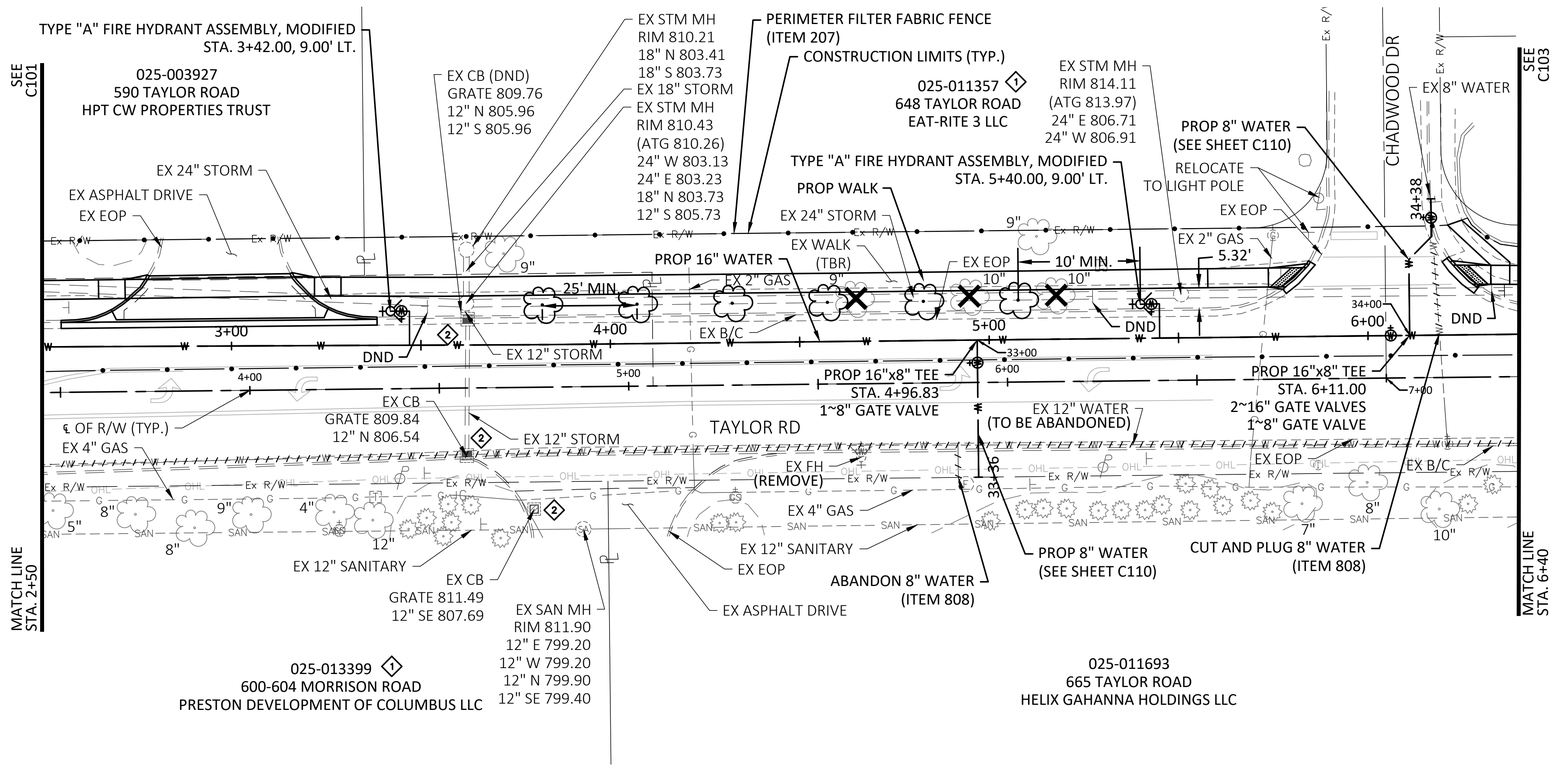

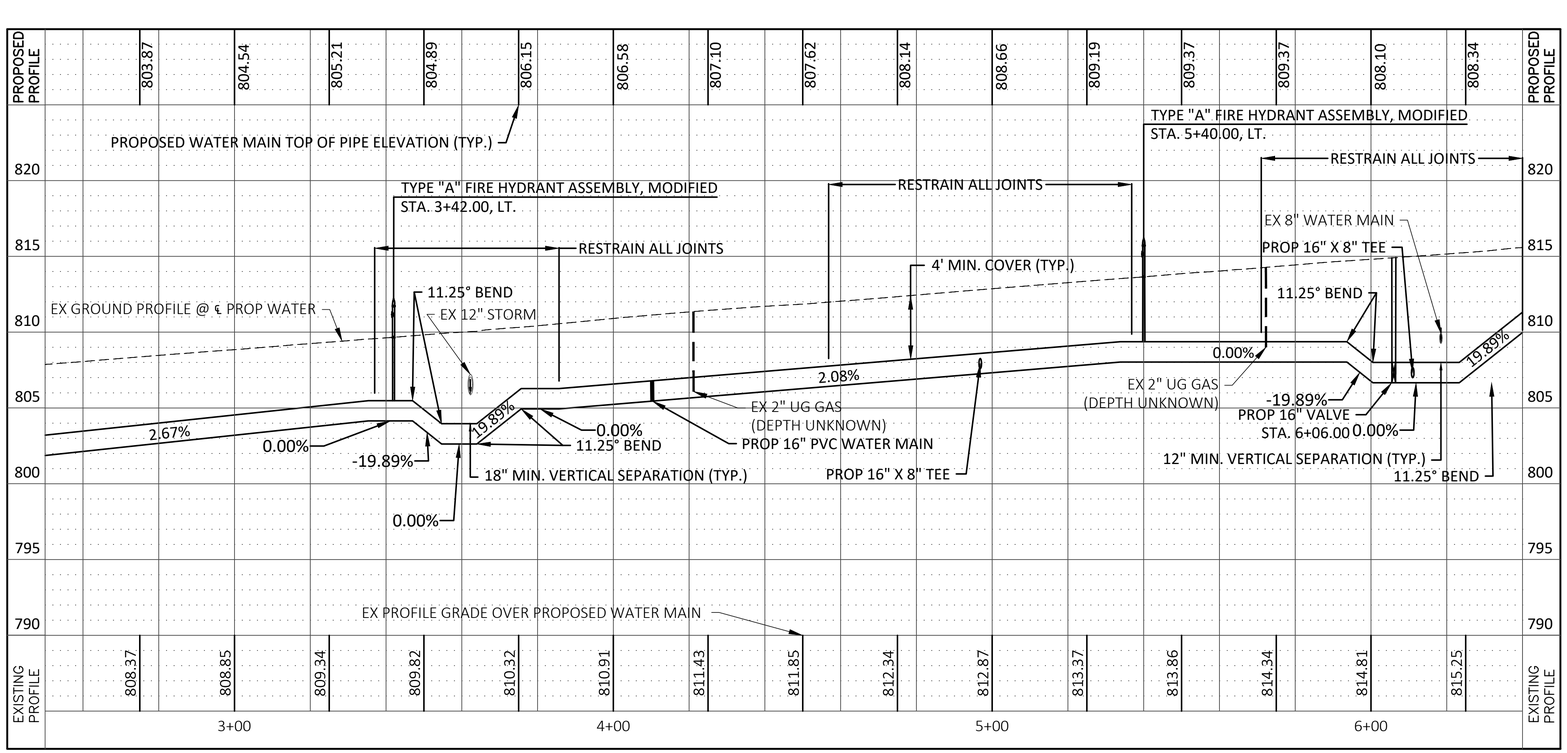

NOTES

1. REFER TO SHEET C001 FOR SURVEY CONTROL & BENCHMARK INFORMATION.
2. CONTRACTOR SHALL VERIFY DEPTH & HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO PROPOSED UTILITY INSTALLATION.

HORIZONTAL DEFLECTION TABLE

STATION	OFFSET	DEFLECTION TYPE
2+56.94	-	-
3+82.43	-	-
34+20.00	-	45°
34+28.46	-	45°

LEGEND

- ✕ TO BE REMOVED
- TO BE ABANDONDED
- CONSTRUCTION LIMITS AND PERIMETER FILTER FABRIC FENCE (ITEM 207)

KEY NOTES

1. 3/4-INCH WATER SERVICE LOCATION UNKNOWN. CONTRACTOR TO LOCATE.
2. INLET PROTECTION SHALL BE PROVIDED FOR ALL CURB INLETS AND CATCH BASINS

NORTH

STA. 2+50 TO STA. 6+40
TAYLOR ROAD PLAN AND PROFILE

SCALE: 1" = 20'
0 10 20 40
VERT SCALE: 1" = 5'

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City of Gahanna
Franklin Coutny
Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
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Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C102

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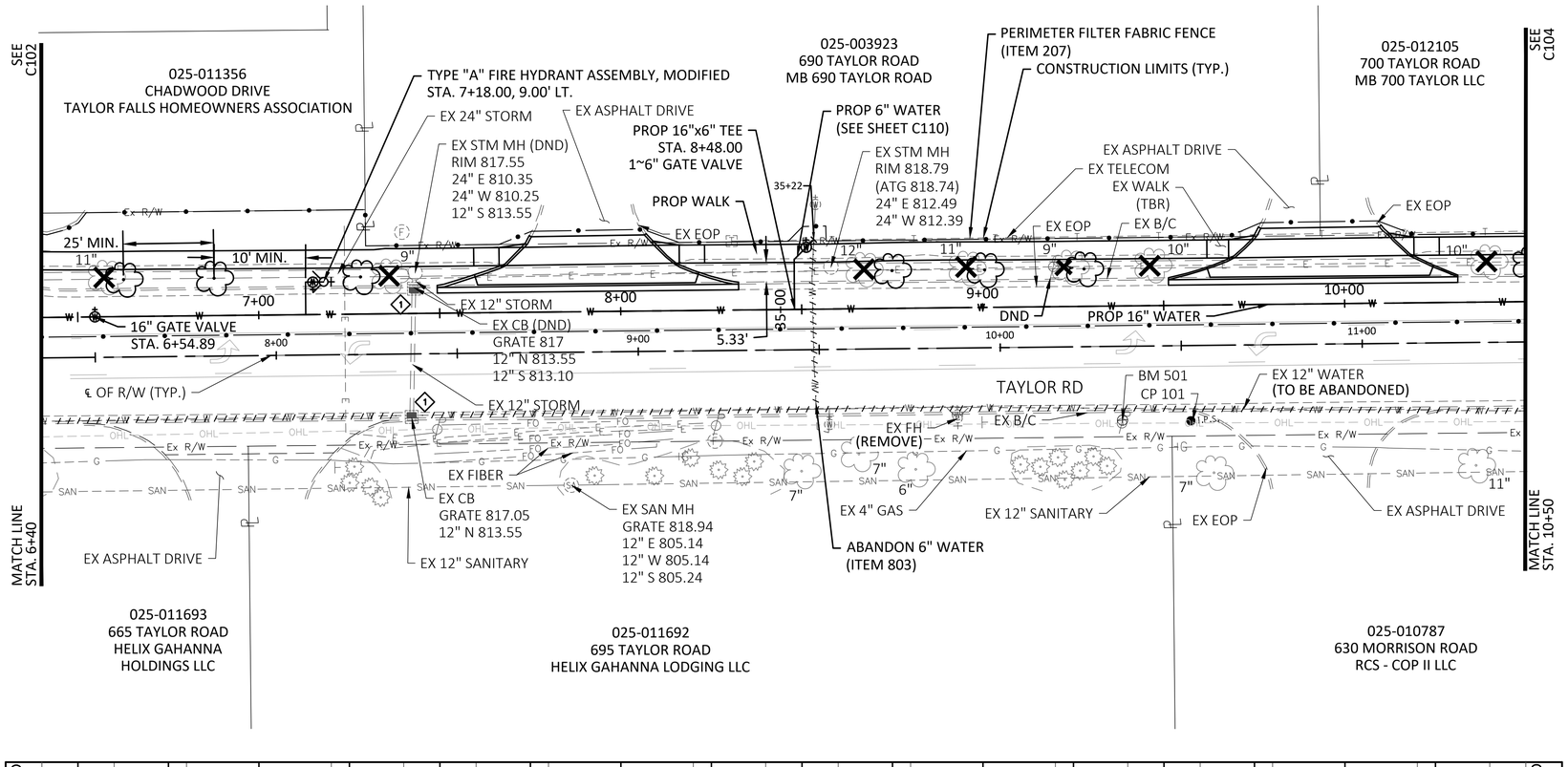

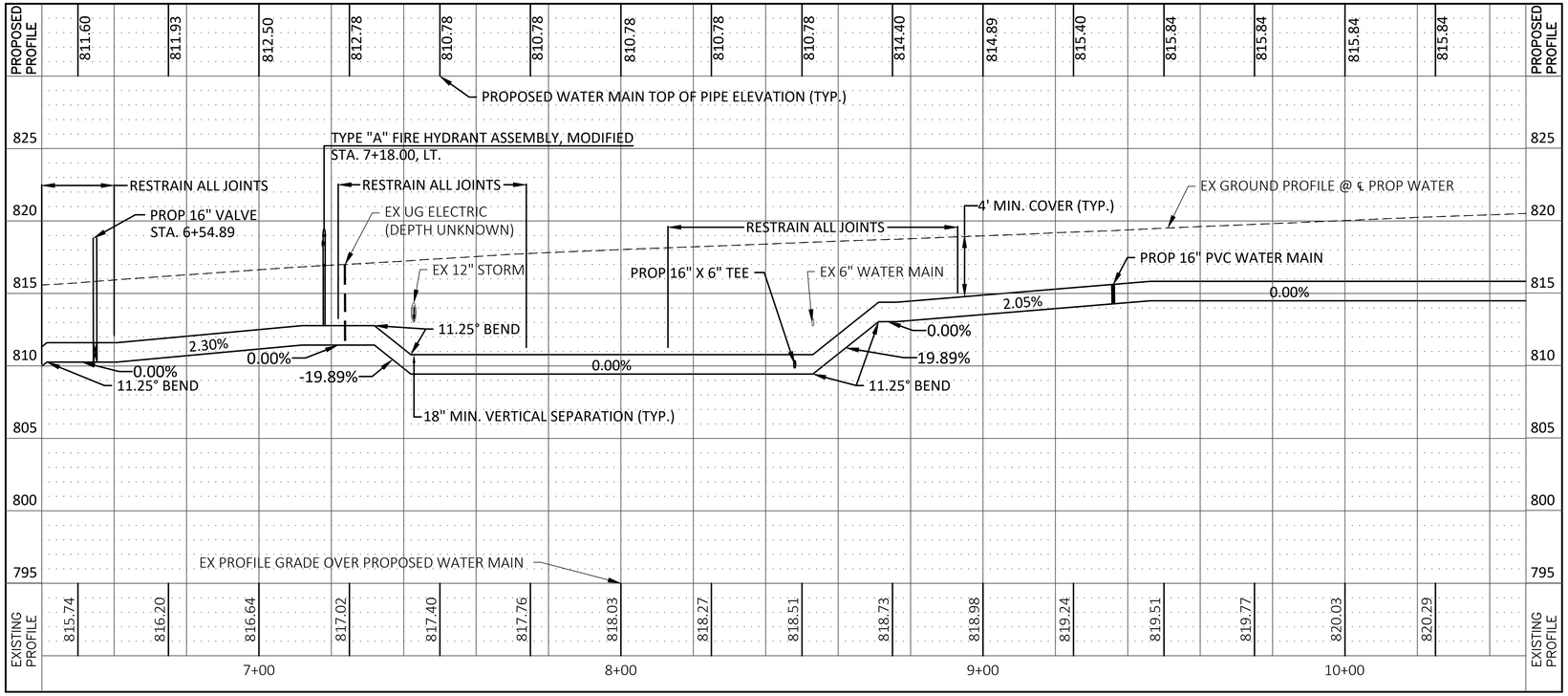

NOTES

1. REFER TO SHEET C001 FOR SURVEY CONTROL & BENCHMARK INFORMATION.
2. CONTRACTOR SHALL VERIFY DEPTH & HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO PROPOSED UTILITY INSTALLATION.

HORIZONTAL DEFLECTION TABLE

STATION	OFFSET	DEFLECTION TYPE
35+13.79	-	45°

LEGEND

- ✕ TO BE REMOVED
- TO BE ABANDONDED
- CONSTRUCTION LIMITS AND PERIMETER FILTER FABRIC FENCE (ITEM 207)

KEY NOTES

1. INLET PROTECTION SHALL BE PROVIDED FOR ALL CURB INLETS AND CATCH BASINS

NORTH

STA. 6+40 TO STA. 10+50

TAYLOR ROAD PLAN AND PROFILE

SCALE: 1" = 20'

0 10 20 40

VERT SCALE: 1" = 5'

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City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

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Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C103

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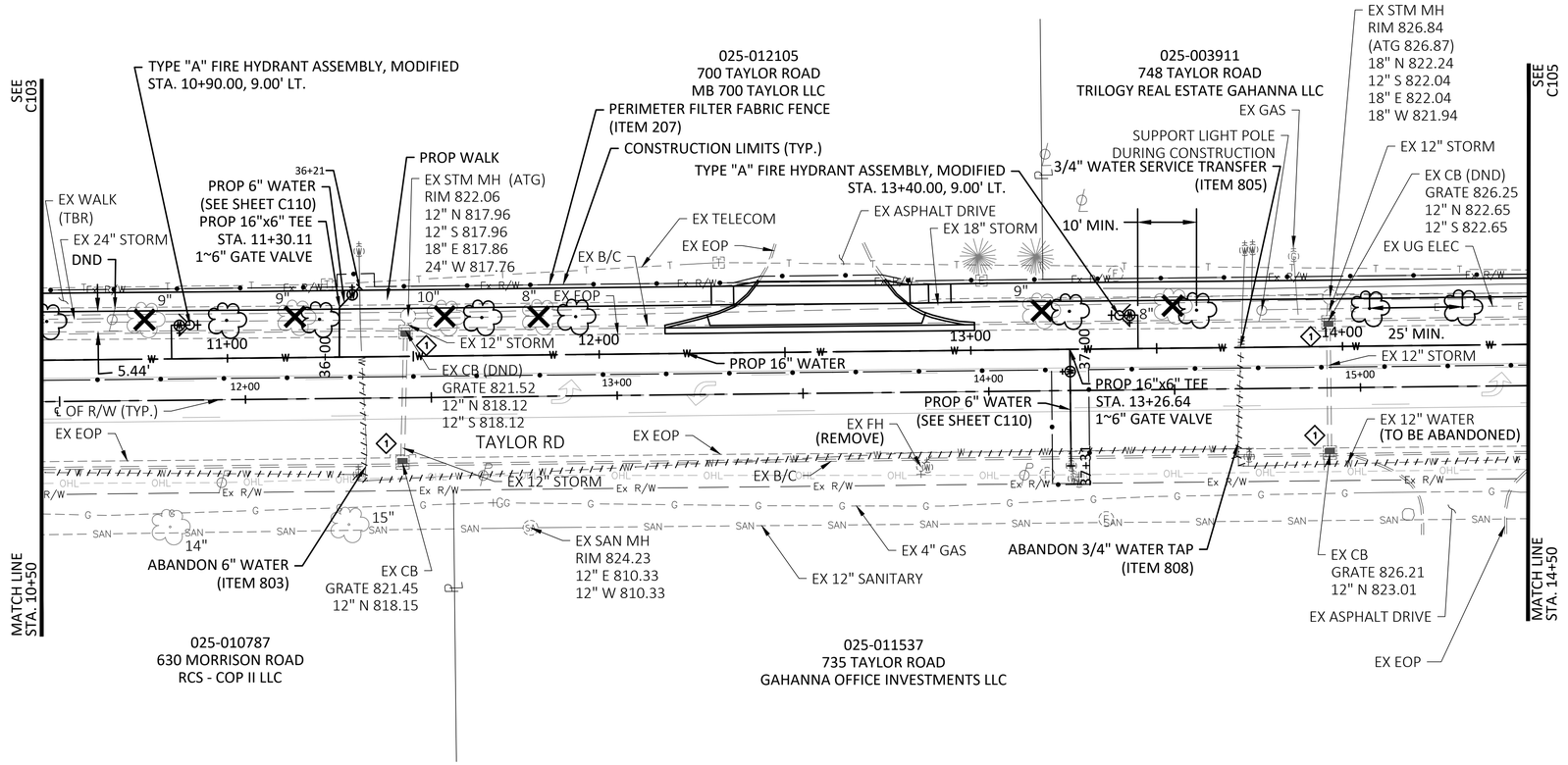

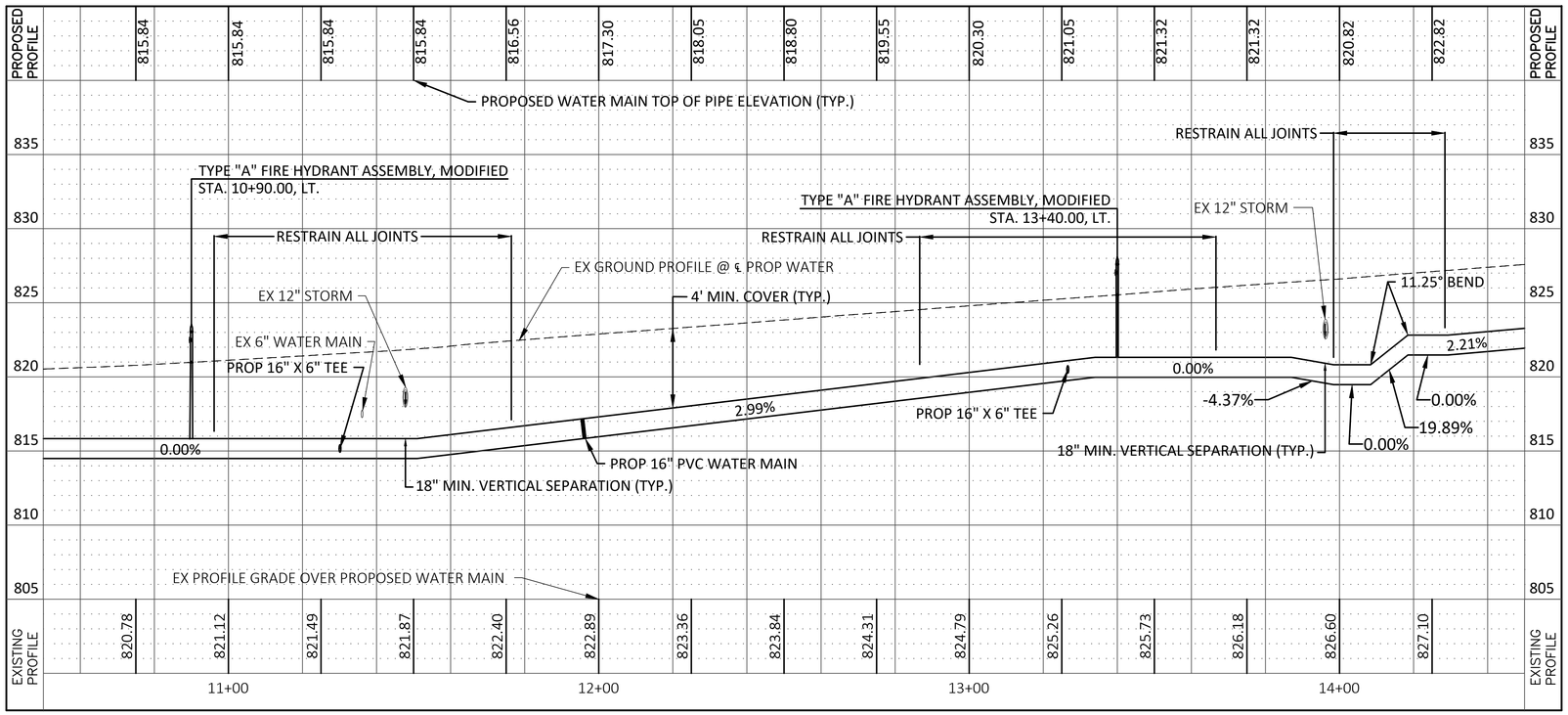

NOTES

1. REFER TO SHEET C001 FOR SURVEY CONTROL & BENCHMARK INFORMATION.
2. CONTRACTOR SHALL VERIFY DEPTH & HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO PROPOSED UTILITY INSTALLATION.

HORIZONTAL DEFLECTION TABLE

STATION	OFFSET	DEFLECTION TYPE
36+14.21	-	45°

LEGEND

- TO BE REMOVED
- TO BE ABANDONDED
- CONSTRUCTION LIMITS AND PERIMETER FILTER FABRIC FENCE (ITEM 207)

KEY NOTES

1. INLET PROTECTION SHALL BE PROVIDED FOR ALL CURB INLETS AND CATCH BASINS

NORTH

STA. 10+50 TO STA. 14+50

TAYLOR ROAD PLAN AND PROFILE

SCALE: 1" = 20'
0 10 20 40
VERT SCALE: 1" = 5'

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Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny
Taylor Road Water Main Replacement

REVISIONS

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Reviewer	RRUSNAK
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PROJECT NO.
241550

SHEET NO.
C104

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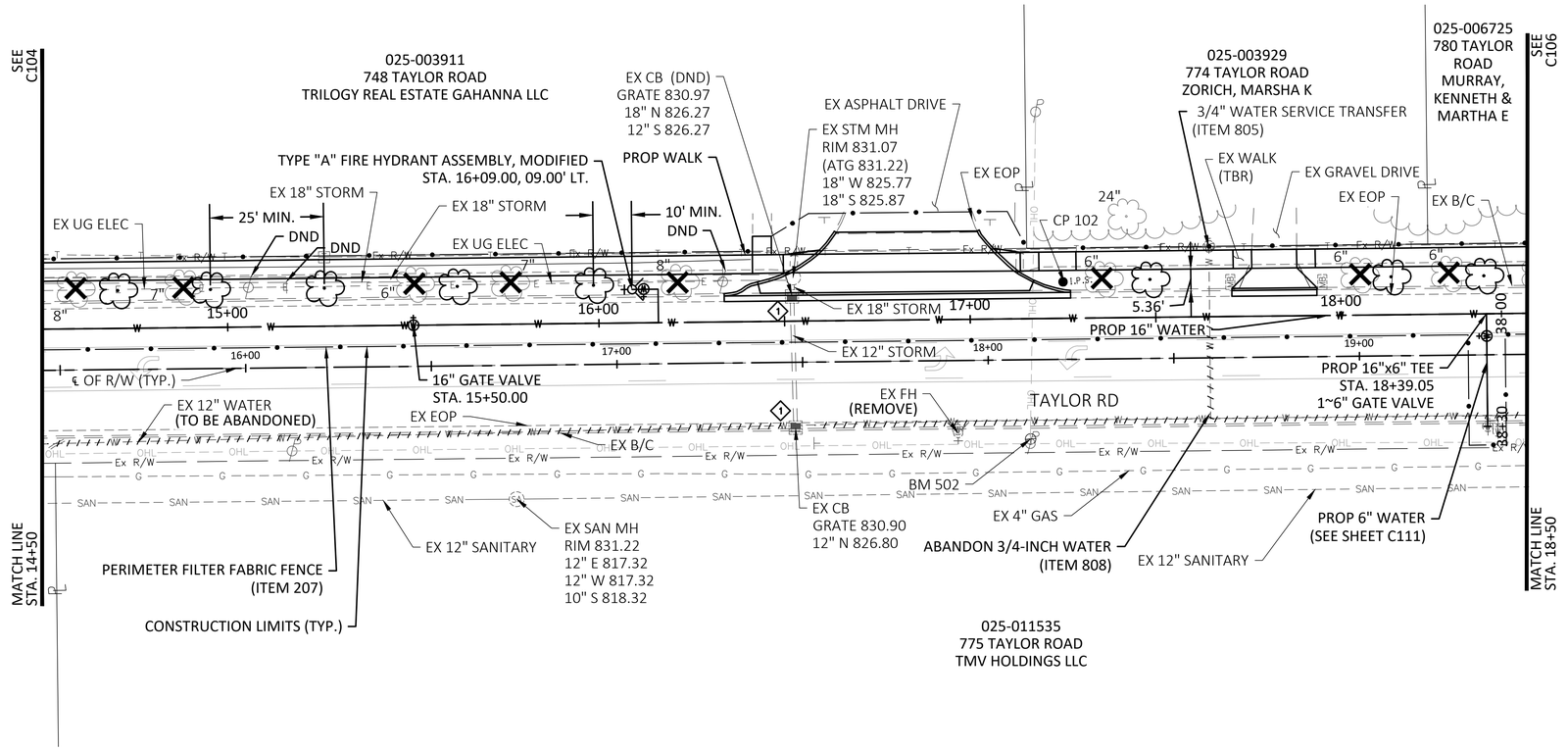

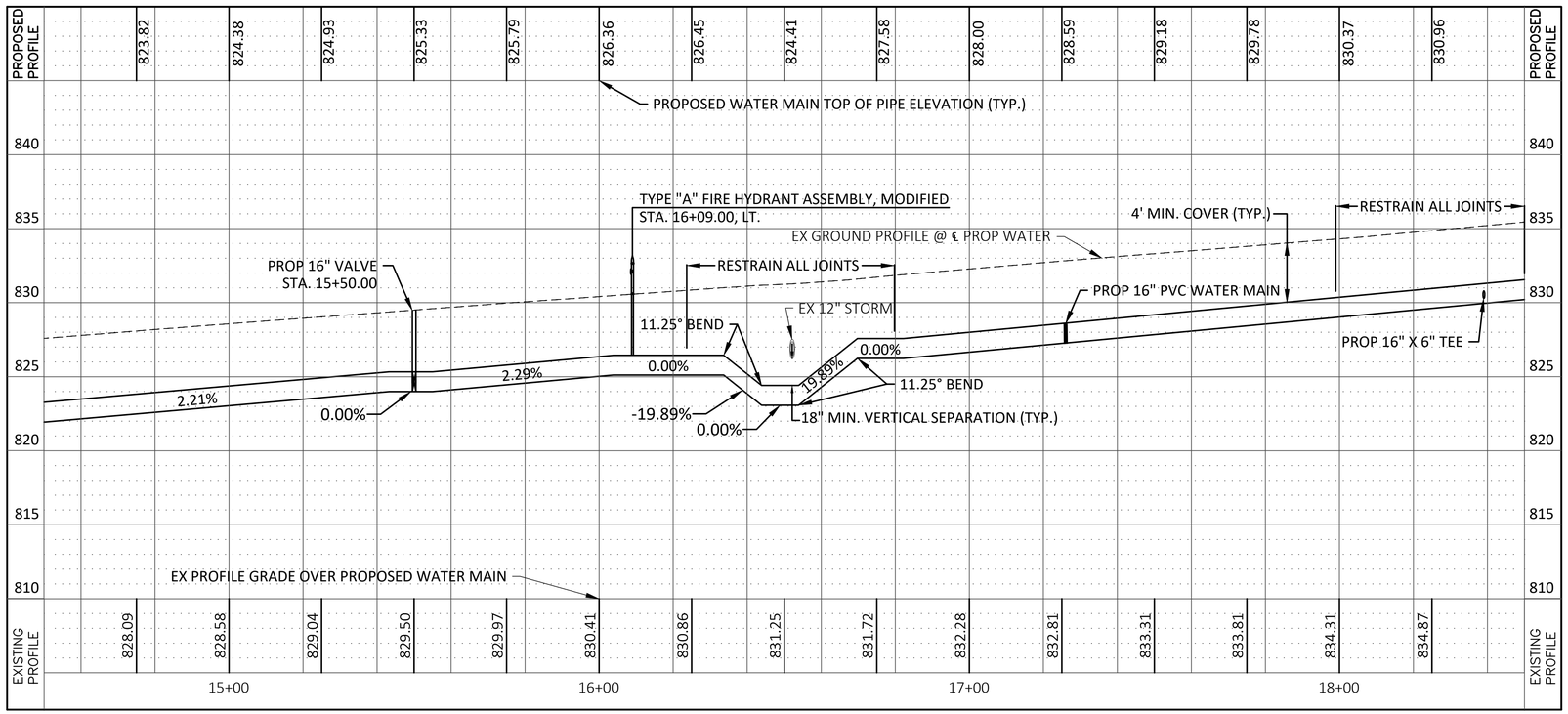

NOTES

1. REFER TO SHEET C001 FOR SURVEY CONTROL & BENCHMARK INFORMATION.
2. CONTRACTOR SHALL VERIFY DEPTH & HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO PROPOSED UTILITY INSTALLATION.

LEGEND

- TO BE REMOVED
- TO BE ABANDONDED
- CONSTRUCTION LIMITS AND PERIMETER FILTER FABRIC FENCE (ITEM 207)

KEY NOTES

1. INLET PROTECTION SHALL BE PROVIDED FOR ALL CURB INLETS AND CATCH BASINS

NORTH

STA. 14+50 TO STA.18+50

TAYLOR ROAD PLAN AND PROFILE

SCALE: 1" = 20'

0 10 20 40

VERT SCALE: 1" = 5'

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

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Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C105

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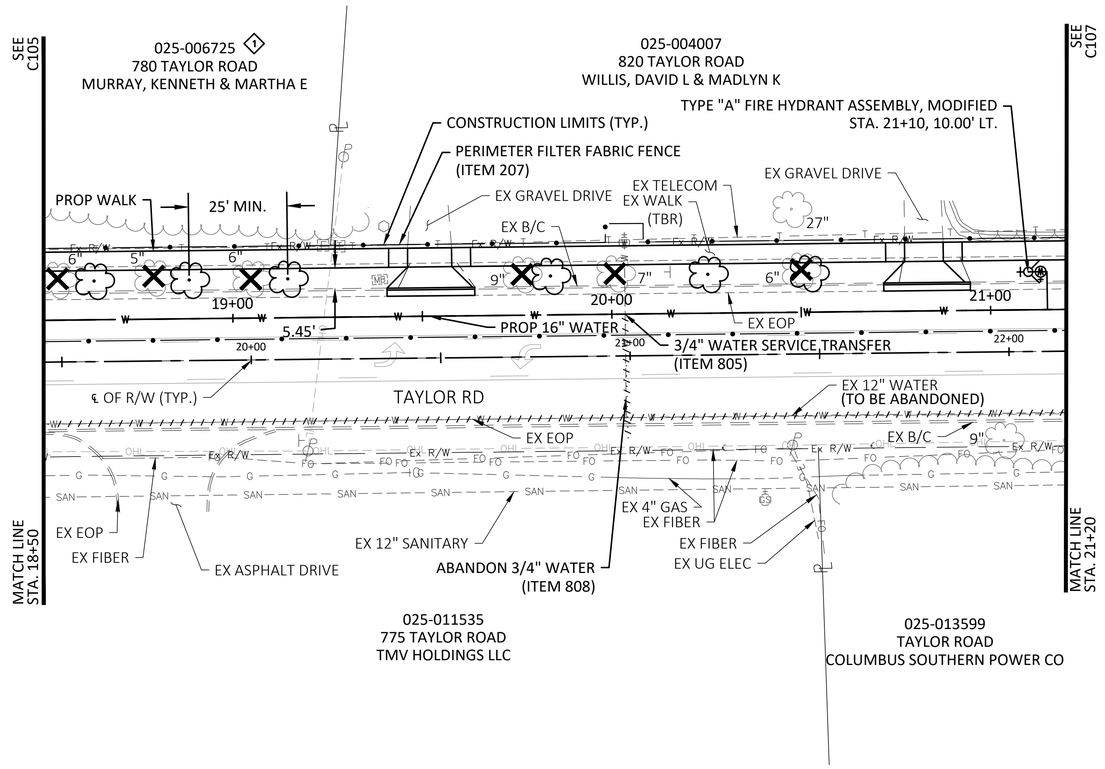
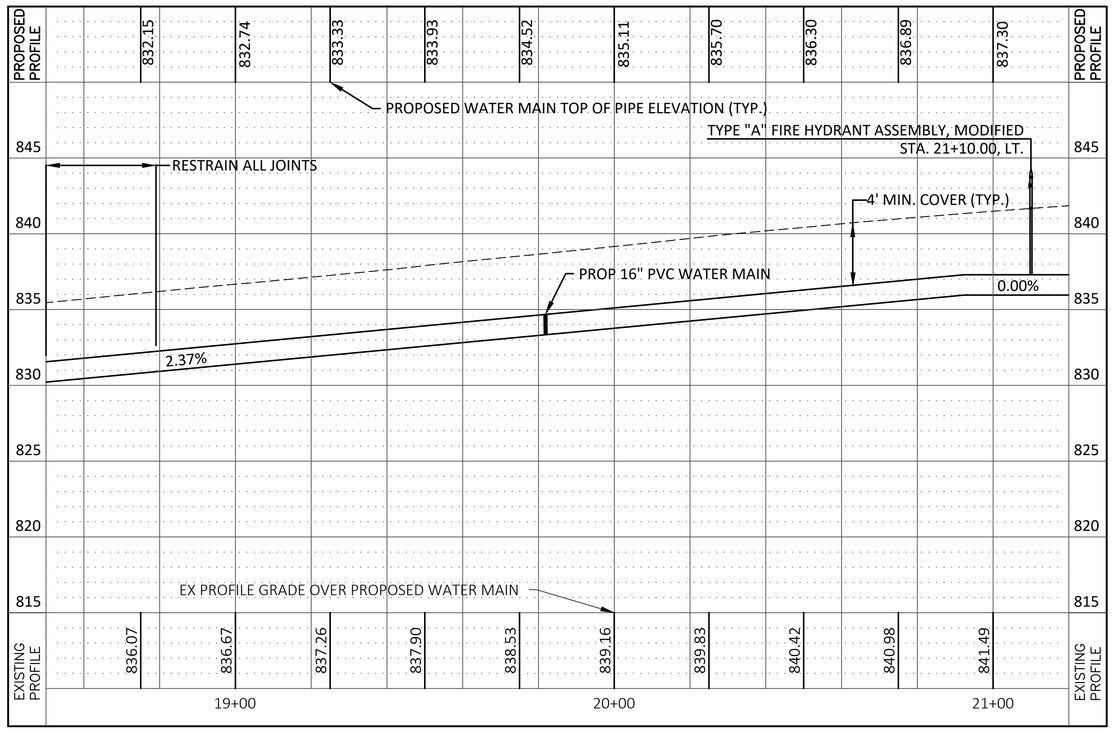
PLOT INFO: Z:\2024\241550\CAD\C\D\C101_241550_PLAN_PROFILE.DWG LAYOUT: C105 DATE: 10/16/2025 TIME: 3:30:56 PM USER: JGRIFFITH





NOTES

1. REFER TO SHEET C001 FOR SURVEY CONTROL & BENCHMARK INFORMATION.
2. CONTRACTOR SHALL VERIFY DEPTH & HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO PROPOSED UTILITY INSTALLATION.

LEGEND

- TO BE REMOVED
- TO BE ABANDONDED
- CONSTRUCTION LIMITS AND PERIMETER FILTER FABRIC FENCE (ITEM 207)

KEY NOTES

1. 3/4-INCH WATER SERVICE LOCATION UNKNOWN. CONTRACTOR TO LOCATE.

NORTH

STA. 18+50 TO STA. 21+20

TAYLOR ROAD PLAN AND PROFILE

SCALE: 1" = 20'

0 10 20 40

VERT SCALE: 1" = 5'

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C106

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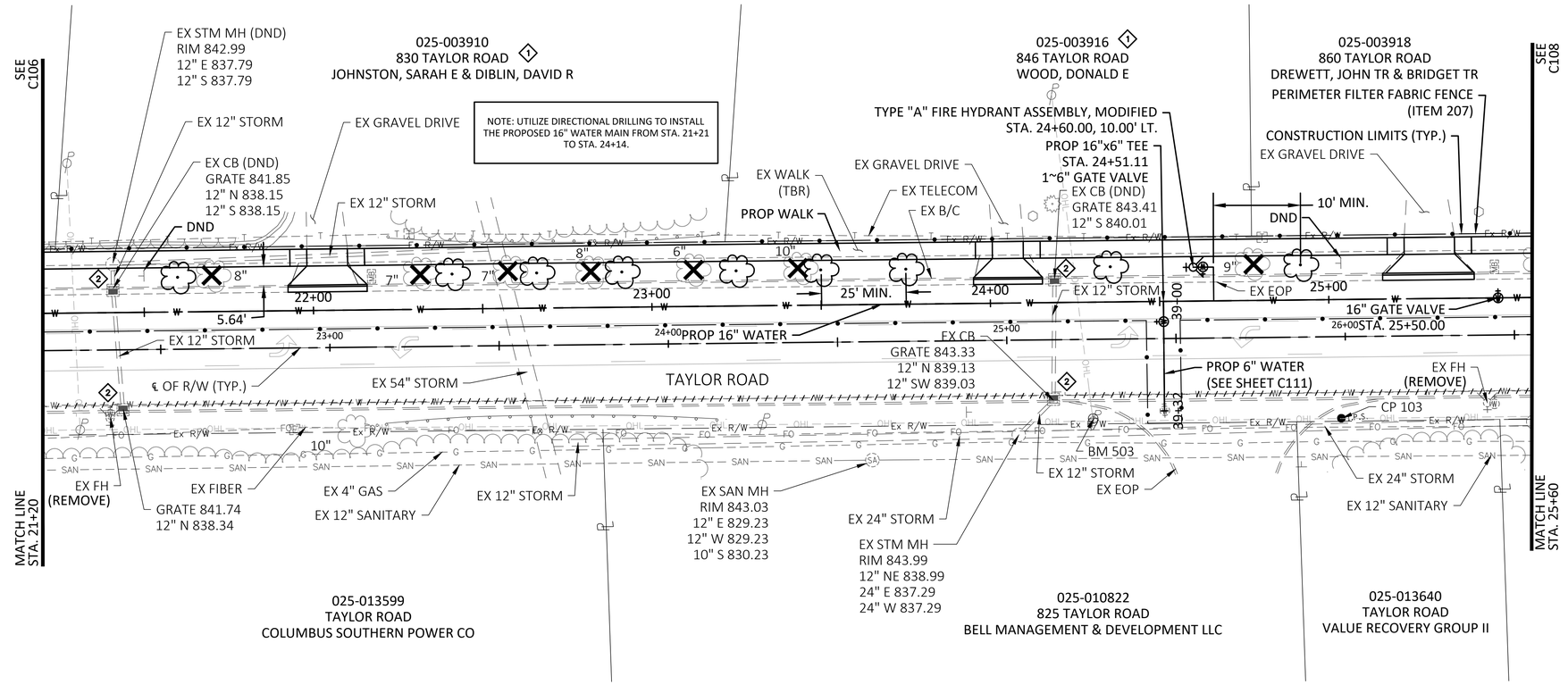

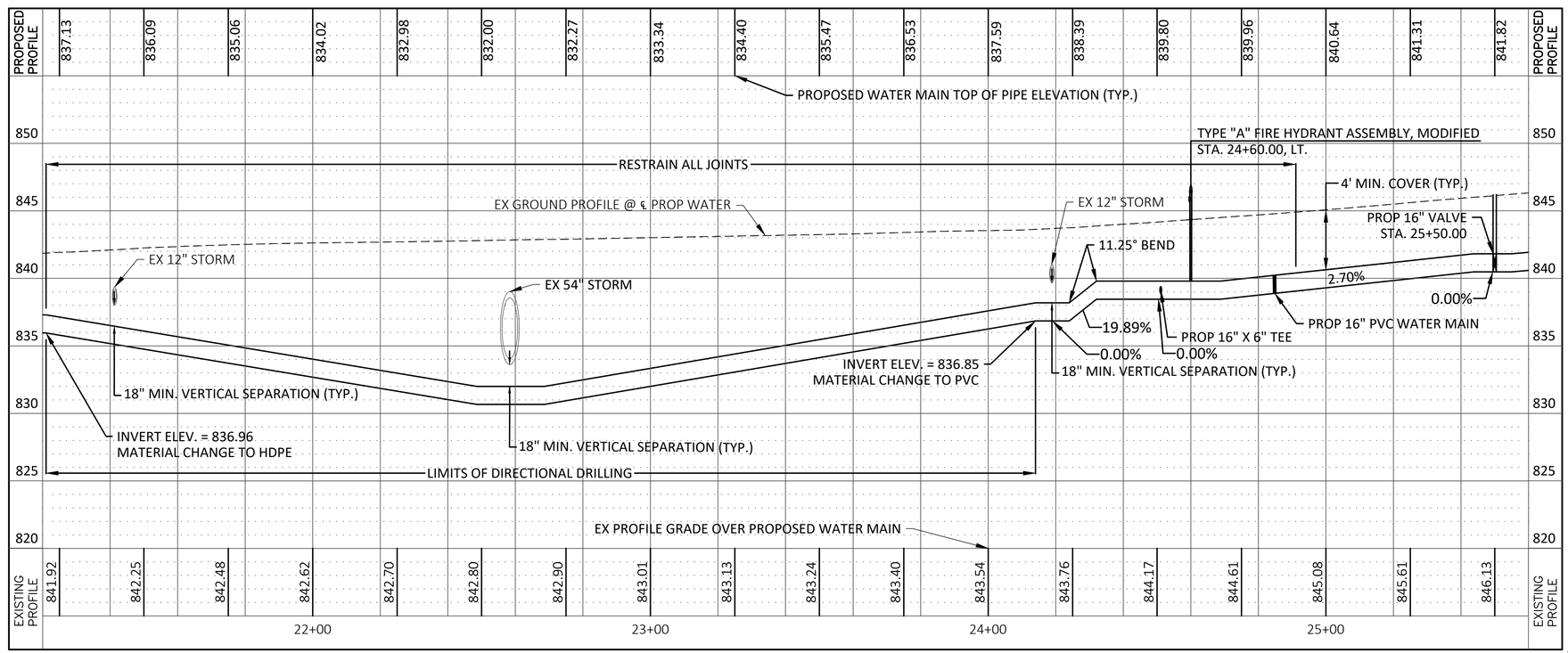

NOTES

1. REFER TO SHEET C001 FOR SURVEY CONTROL & BENCHMARK INFORMATION.
2. CONTRACTOR SHALL VERIFY DEPTH & HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO PROPOSED UTILITY INSTALLATION.

LEGEND

- TO BE REMOVED
- TO BE ABANDONDED
- CONSTRUCTION LIMITS AND PERIMETER FILTER FABRIC FENCE (ITEM 207)

KEY NOTES

1. 3/4-INCH WATER SERVICE LOCATION UNKNOWN. CONTRACTOR TO LOCATE.
2. INLET PROTECTION SHALL BE PROVIDED FOR ALL CURB INLETS AND CATCH BASINS

STA.21+20 TO STA. 25+60

TAYLOR ROAD PLAN AND PROFILE

SCALE: 1" = 20'
VERT SCALE: 1" = 5'
0 10 20 40
NORTH

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City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C107

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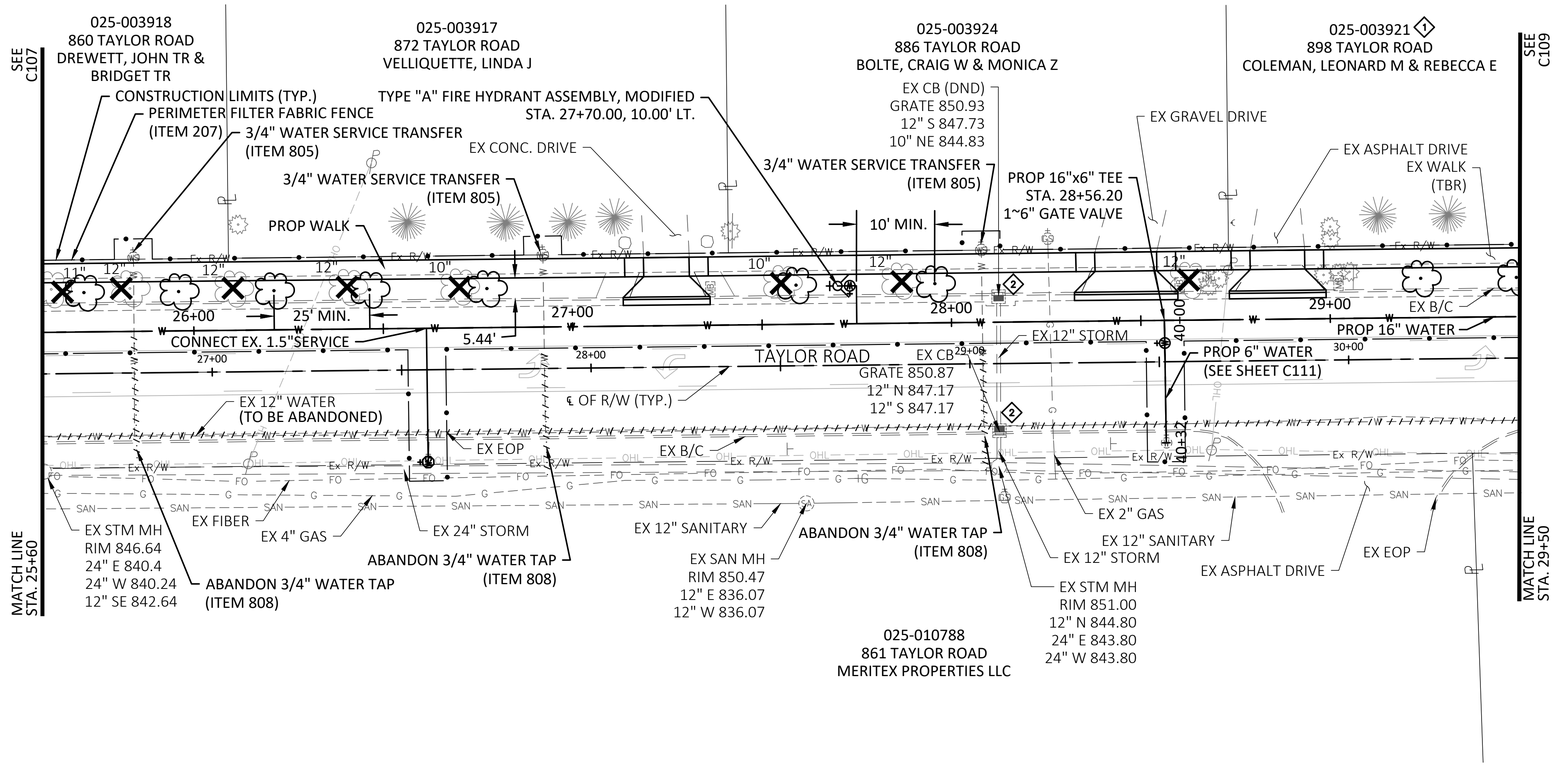

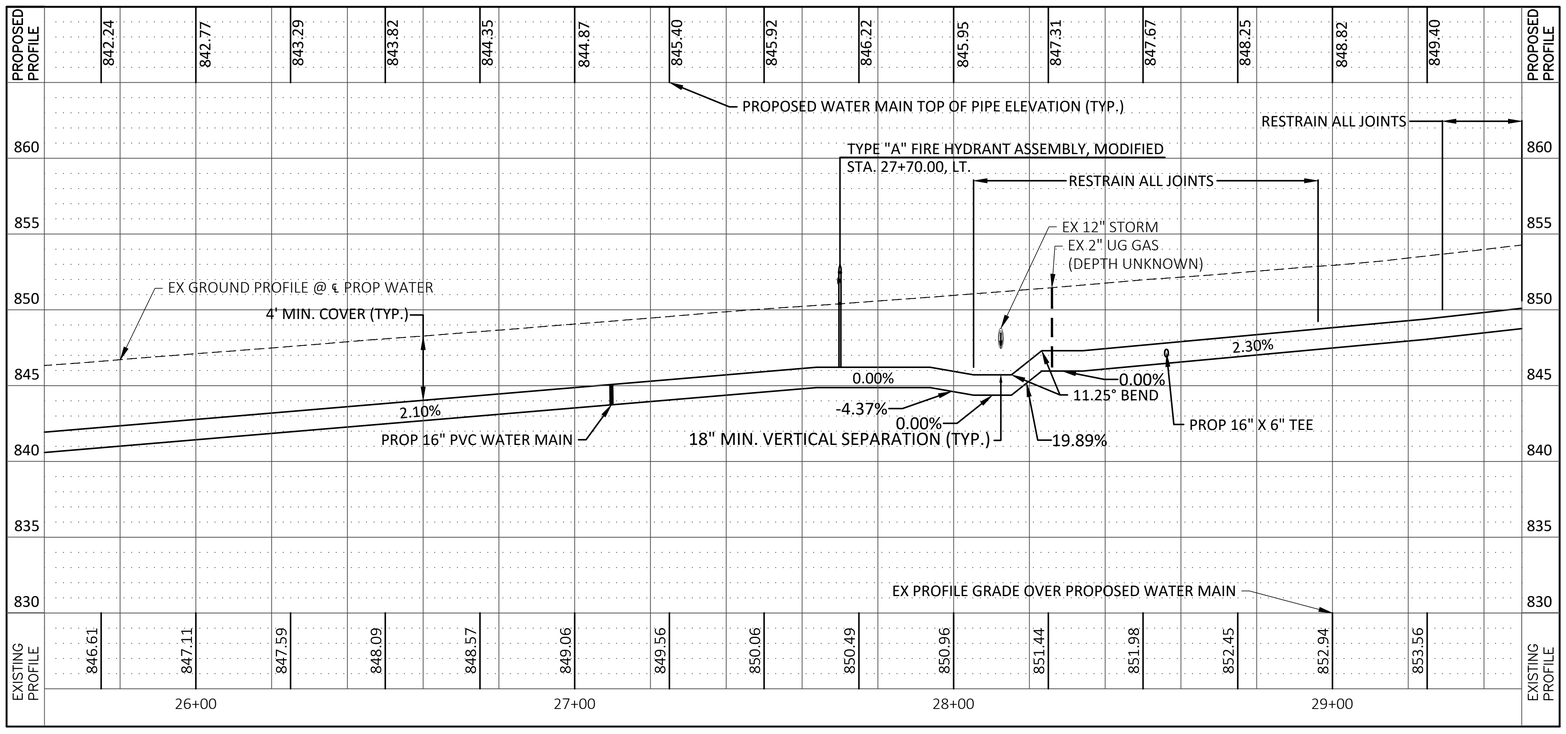

NOTES

1. REFER TO SHEET C001 FOR SURVEY CONTROL & BENCHMARK INFORMATION.
2. CONTRACTOR SHALL VERIFY DEPTH & HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO PROPOSED UTILITY INSTALLATION.

LEGEND

- TO BE REMOVED
- TO BE ABANDONDED
- CONSTRUCTION LIMITS AND PERIMETER FILTER FABRIC FENCE (ITEM 207)

KEY NOTES

1. 3/4-INCH WATER SERVICE LOCATION UNKNOWN. CONTRACTOR TO LOCATE.
2. INLET PROTECTION SHALL BE PROVIDED FOR ALL CURB INLETS AND CATCH BASINS

NORTH

STA. 25+60 TO STA. 29+50

TAYLOR ROAD PLAN AND PROFILE

SCALE: 1" = 20'

0 10 20 40

VERT SCALE: 1" = 5'

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City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C108

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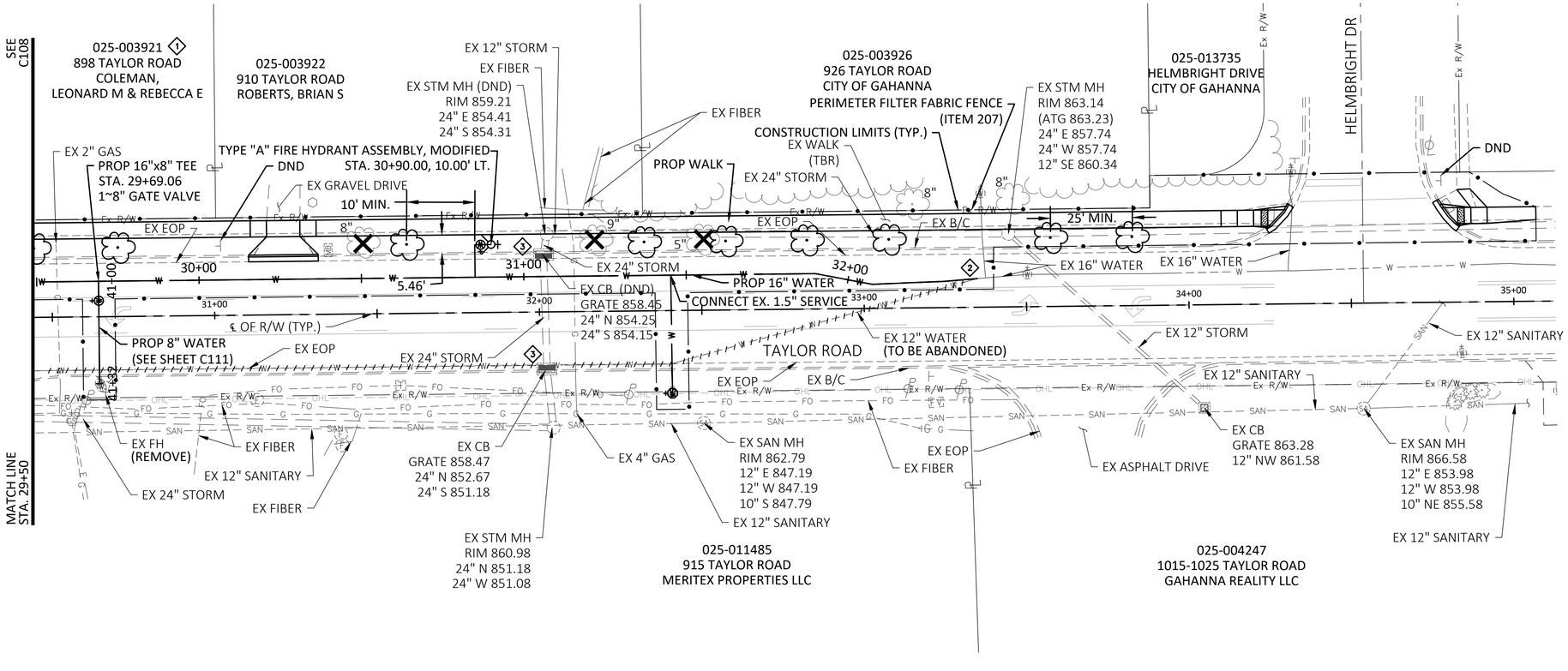

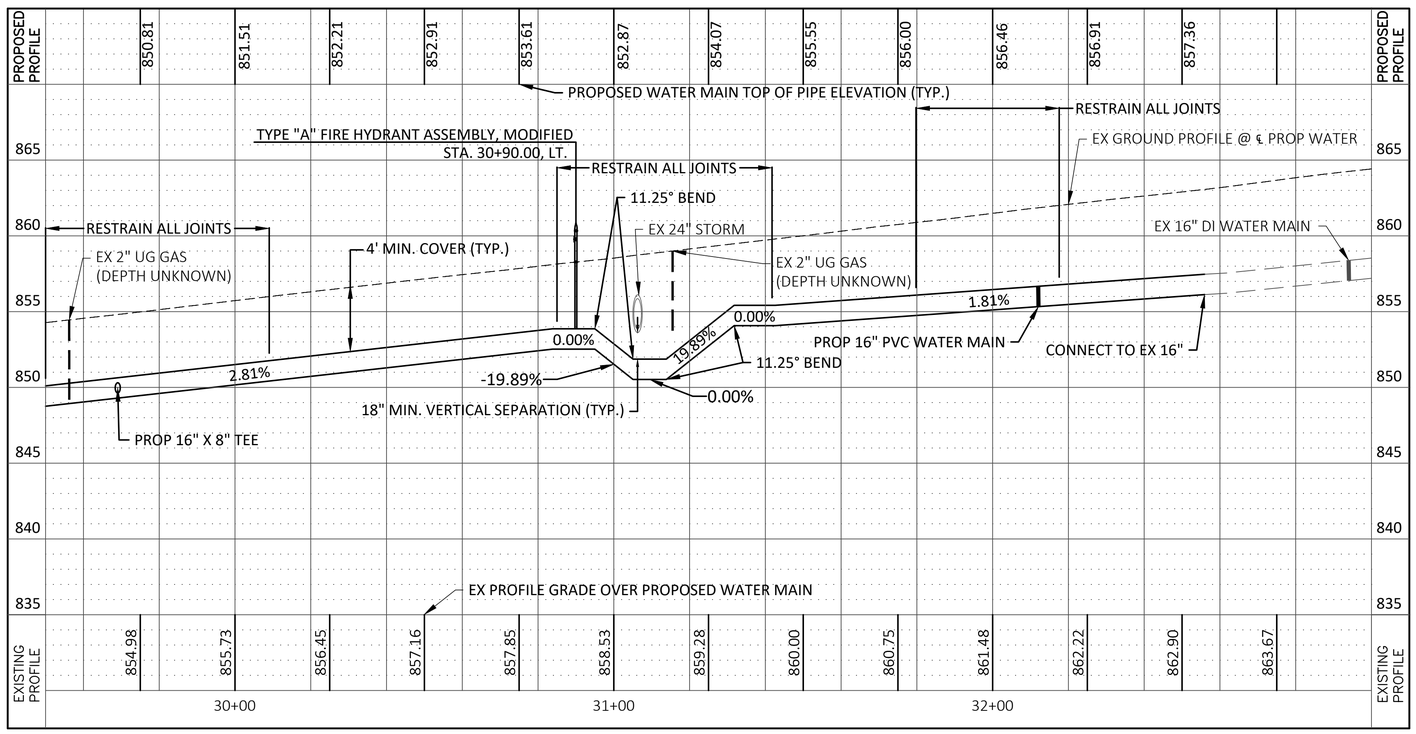

NOTES

1. REFER TO SHEET C001 FOR SURVEY CONTROL & BENCHMARK INFORMATION.
2. CONTRACTOR SHALL VERIFY DEPTH & HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO PROPOSED UTILITY INSTALLATION.

HORIZONTAL DEFLECTION TABLE

STATION	OFFSET	DEFLECTION TYPE
31+89.76	-	11.25°
32+07.57	-	11.25°
32+29.59	-	-

NOTE: A DASH IN THE DEFLECTION TYPE COLUMN INDICATES A DEFLECTION NOT TO EXCEED 2 1/2°.

LEGEND

- TO BE REMOVED
- TO BE ABANDONDED
- CONSTRUCTION LIMITS AND PERIMETER FILTER FABRIC FENCE (ITEM 207)

KEY NOTES

1. 3/4-INCH WATER SERVICE LOCATION UNKNOWN. CONTRACTOR TO LOCATE.
2. REMOVE EXISTING BEND AND TIE INTO EXISTING 16-IN DI PIPE
3. INLET PROTECTION SHALL BE PROVIDED FOR ALL CURB INLETS AND CATCH BASINS

NORTH

STA. 29+50 TO STA. 32+55

TAYLOR ROAD PLAN AND PROFILE

SCALE: 1" = 20'
0 10 20 40
VERT SCALE: 1" = 5'

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Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C109

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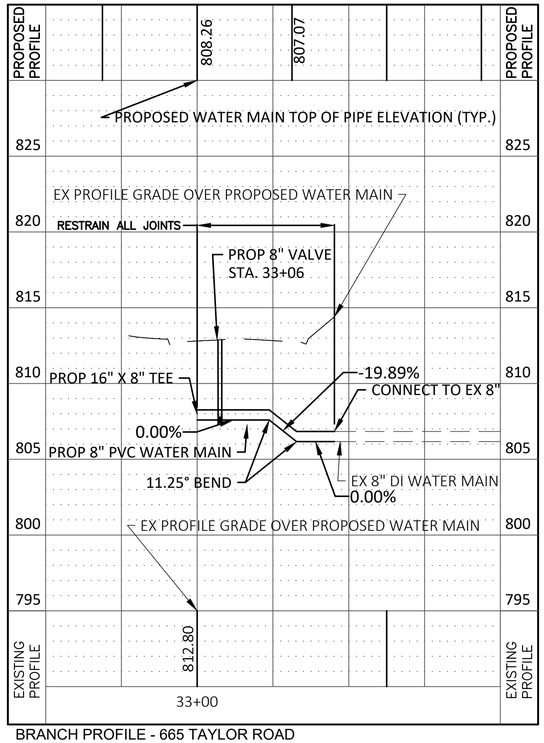
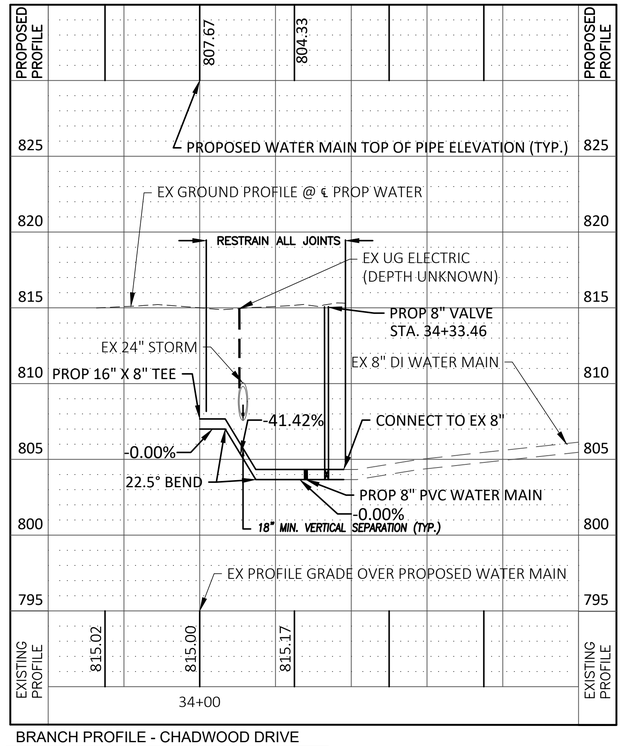


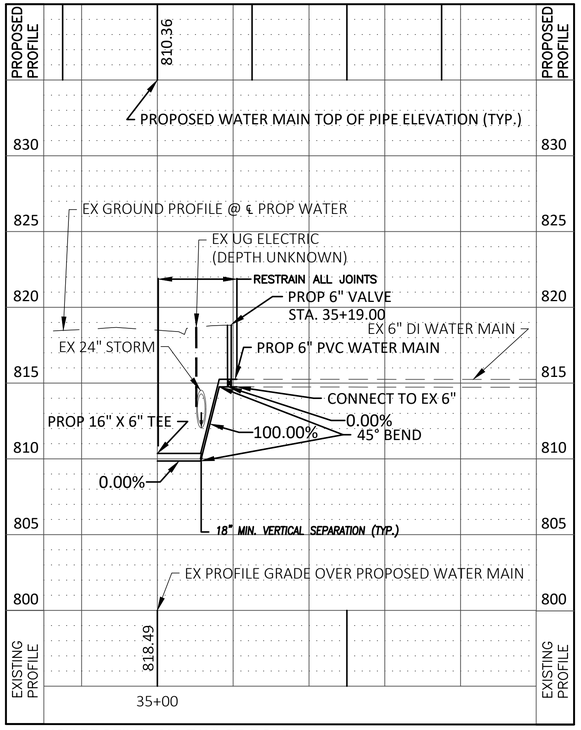
BRANCH PROFILE - 665 TAYLOR ROAD

STA. 33+00 TO STA.33+36



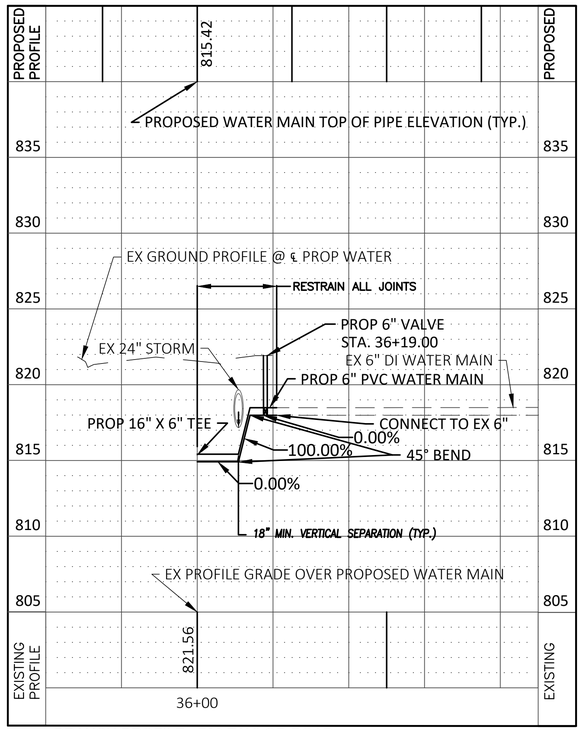
BRANCH PROFILE - CHADWOOD DRIVE

STA. 34+00 TO STA.34+38



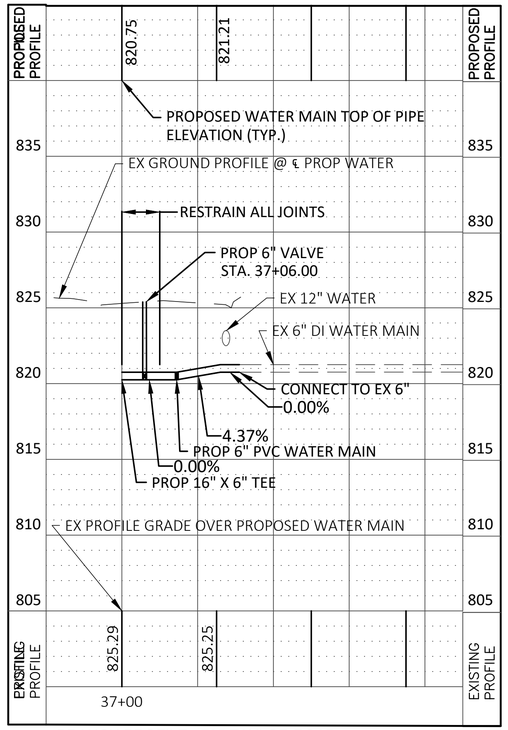
BRANCH PROFILE - 690 TAYLOR ROAD

STA. 35+00 TO STA. 35+21



BRANCH PROFILE - 700 TAYLOR ROAD

STA. 36+00 TO STA. 36+21



BRANCH PROFILE - 735 TAYLOR ROAD

STA. 37+00 TO STA. 37+32

TAYLOR ROAD MISC PROFILES

SCALE: 1" = 20'

0 10 20 40

VERT SCALE: 1" = 5'

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City of Gahanna

Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.

241550

SHEET NO.

C110

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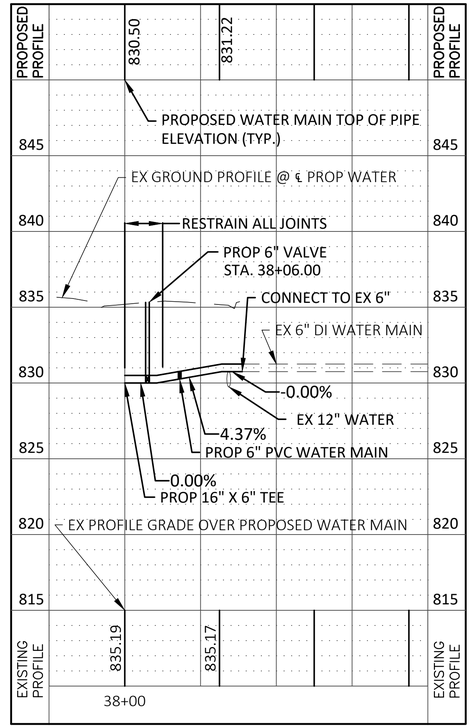
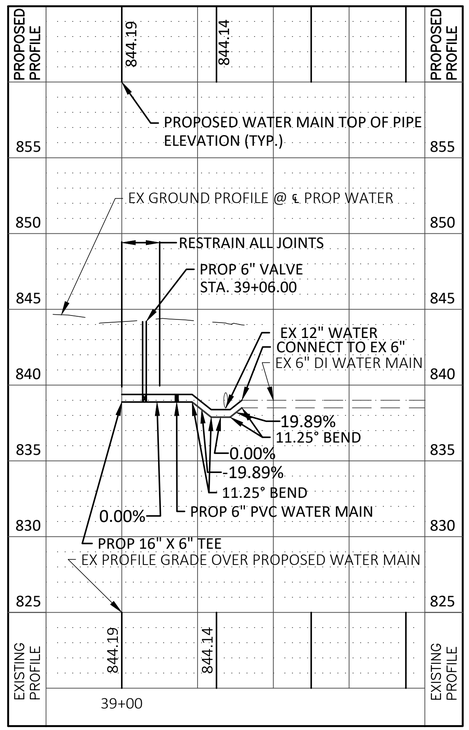
PLOT INFO: Z:\2024\241550\CAD\CIVIL\C101_241550_PLAN_PROFILE.DWG LAYOUT: C110 DATE: 10/16/2025 TIME: 3:35:31 PM USER: JGRIFFITH



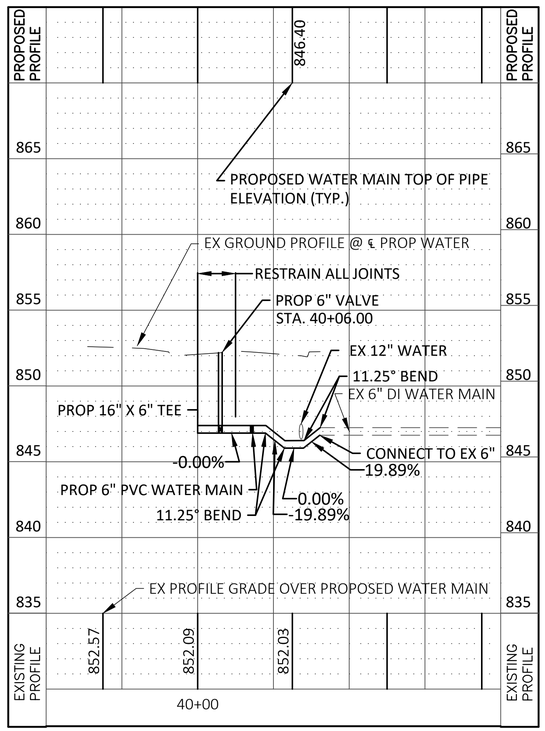
BRANCH PROFILE - 775 TAYLOR ROAD

STA. 38+00 TO STA. 38+30



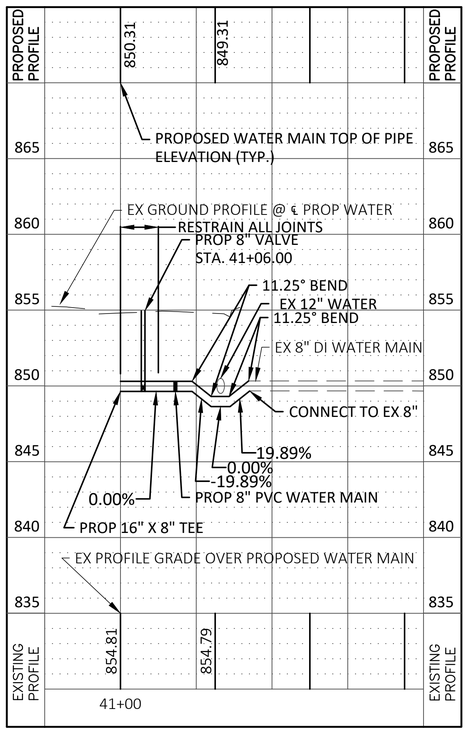
BRANCH PROFILE - 825 TAYLOR ROAD

STA. 39+00 TO STA. 39+32



BRANCH PROFILE - 861 TAYLOR ROAD

STA. 40+00 TO STA. 40+32



BRANCH PROFILE - 915 TAYLOR ROAD

STA. 41+00 TO STA. 41+32

TAYLOR ROAD MISC PROFILES

SCALE: 1" = 20'

0 10 20 40

VERT SCALE: 1" = 5'

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City of Gahanna

Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	JGRIFFITH
Designer	BVANCLEAVE
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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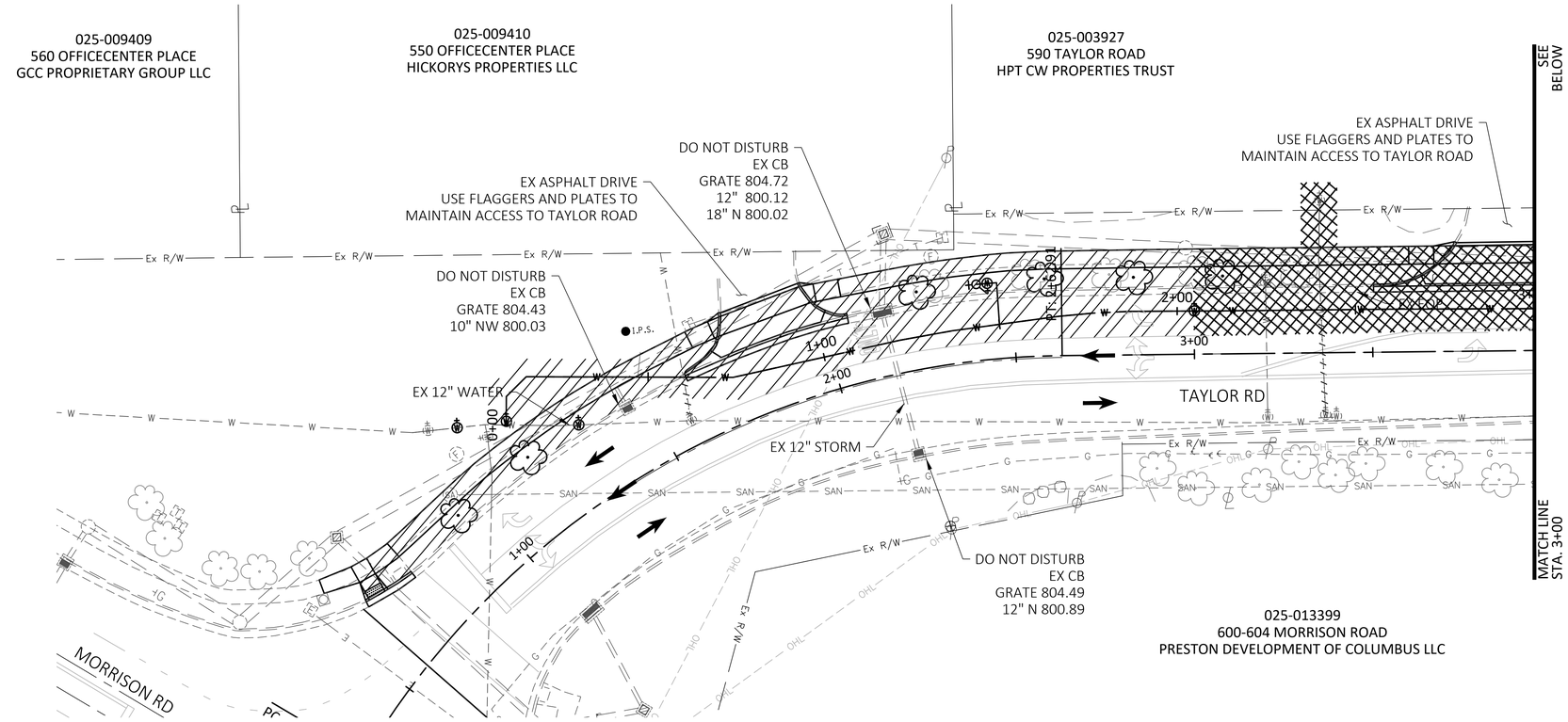
PROJECT NO.

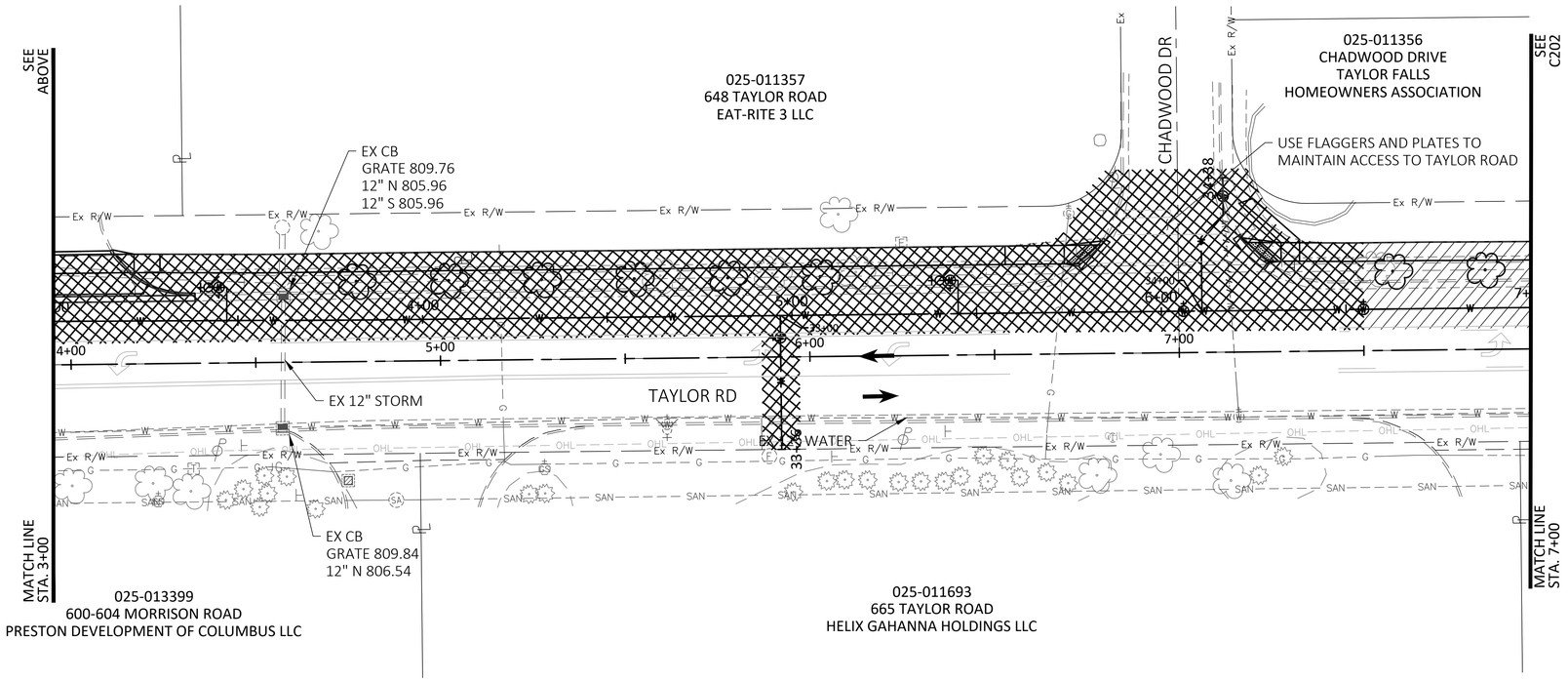
241550

SHEET NO.

C111

PLOT INFO: Z:\2024\241550\CAD\CIVIL\C101_241550_PLAN_PROFILE.DWG LAYOUT: C111 DATE: 10/16/2025 TIME: 3:36:20 PM USER: JGRIFFITH





SEQUENCE OF CONSTRUCTION

CONTRACTOR SHALL CHLORINATE AND TEST NEW WATER MAIN AT EACH PHASE.

PHASE 1

CLOSE THE WESTBOUND LANE OF TAYLOR ROAD FROM STATION 7+50 (CENTERLINE OF R/W) TO THE INTERSECTION WITH HELMBRIGHT DRIVE PER COLUMBUS STANDARD DRAWINGS (SCD) 1510, 1520, AND AS SHOWN ON SHEETS M101-M105. MAINTAIN ONE LANE IN EACH DIRECTION ON THE SOUTH SIDE OF TAYLOR ROAD WITH MINIMUM TEN-FOOT LANE WIDTHS.

CONSTRUCT THE WATER MAIN AND SIDEWALK FROM HELMBRIGHT DRIVE TO STATION 7+50 (CENTERLINE OF R/W). UTILIZE FLAGGERS PER SCD 1550 TO CONSTRUCT NEW WATER SERVICE CONNECTIONS AND VARIOUS DRIVES.

BACKFILL THE TRENCH NIGHTLY, REPLACING THE PAVEMENT IN KIND. PLATE THE TRENCH AS NECESSARY.

ONCE THE PAVEMENT IS IN PLACE, REPLACE THE STRIPING TO MATCH EXISTING.

PHASE 2

CLOSE THE WESTBOUND LANE OF TAYLOR ROAD FROM STATION 3+00 (CENTERLINE OF R/W) TO STATION 7+50 (CENTERLINE OF R/W) PER SCD 1510, 1520, AND AS SHOWN ON SHEET M101. MAINTAIN ONE LANE IN EACH DIRECTION ON THE SOUTH SIDE OF TAYLOR ROAD WITH MINIMUM TEN-FOOT LANE WIDTHS.

CONSTRUCT THE WATER MAIN AND SIDEWALK FROM STATION 7+50 (CENTERLINE OF R/W) TO STATION 3+00 (CENTERLINE OF R/W). UTILIZE FLAGGERS PER SCD 1550 TO CONSTRUCT THE NEW WATER SERVICE CONNECTION AND TO MAINTAIN ACCESS TO BOTH CHADWOOD DRIVE AND THE ASPHALT DRIVE FOR 590 TAYLOR DRIVE.

BACKFILL THE TRENCH NIGHTLY, REPLACING THE PAVEMENT IN KIND. PLATE THE TRENCH AS NECESSARY.

ONCE THE PAVEMENT IS IN PLACE, REPLACE THE STRIPING TO MATCH EXISTING.

PHASE 3

CLOSE THE WESTBOUND LANE OF TAYLOR ROAD FROM STATION 0+50 (CENTERLINE OF R/W) TO STATION 3+00 (CENTERLINE OF R/W) PER SCD 1510, 1520, AND AS SHOWN ON SHEET M101. MAINTAIN ONE LANE IN EACH DIRECTION ON THE SOUTH SIDE OF TAYLOR ROAD WITH MINIMUM TEN-FOOT LANE WIDTHS.

CONSTRUCT THE WATER MAIN AND SIDEWALK FROM STATION 3+00 (CENTERLINE OF R/W) TO MORRISON DRIVE. UTILIZE FLAGGERS PER SCD 1550 TO MAINTAIN ACCESS TO THE HICKORY HOUSE DRIVEWAY.

BACKFILL THE TRENCH NIGHTLY, REPLACING THE PAVEMENT IN KIND. PLATE THE TRENCH AS NECESSARY.

ONCE THE PAVEMENT IS IN PLACE, REPLACE THE STRIPING TO MATCH EXISTING AND OPEN ALL LANES OF TAYLOR ROAD.

PROPERTY ACCESS

PROPERTY ACCESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. THOSE PROPERTIES WITH MULTIPLE DRIVES MAY HAVE AT MOST ONE DRIVE CLOSED AT ANY GIVEN TIME.

LEGEND

- PHASE 1 CONSTRUCTION AREA
- PHASE 2 CONSTRUCTION AREA
- PHASE 3 CONSTRUCTION AREA
- TRAFFIC FLOW

NORTH

STA. 0+00 TO STA. 7+00

TAYLOR ROAD MAINTENANCE OF TRAFFIC

SCALE: 1" = 20'

0 10 20 40

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City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C201

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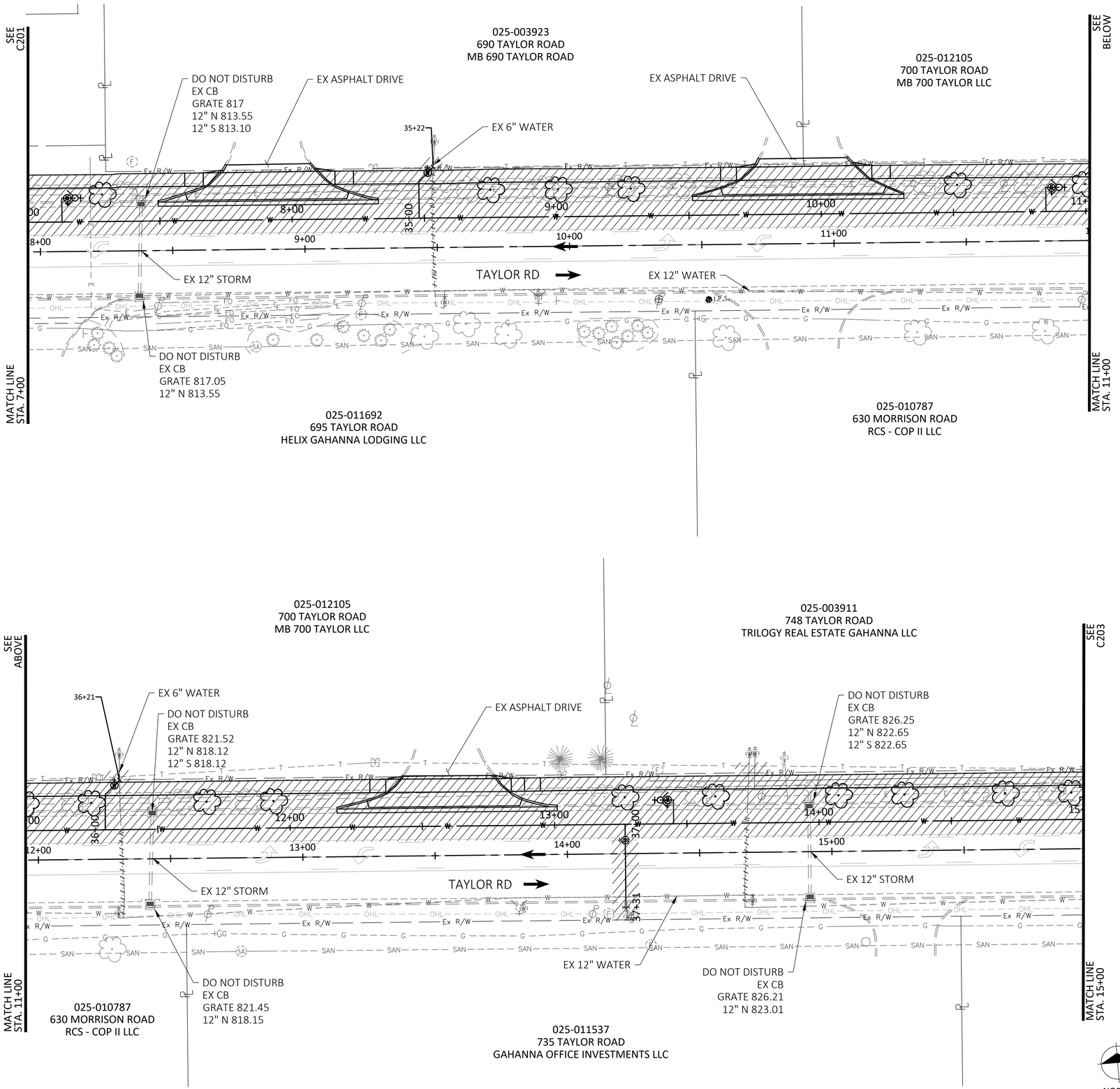

LEGEND

- PHASE 1 CONSTRUCTION AREA
- PHASE 2 CONSTRUCTION AREA
- PHASE 3 CONSTRUCTION AREA
- TRAFFIC FLOW

NORTH

STA. 7+00 TO STA. 15+00

TAYLOR ROAD MAINTENANCE OF TRAFFIC

SCALE: 1" = 20'

0 10 20 40

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Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C202

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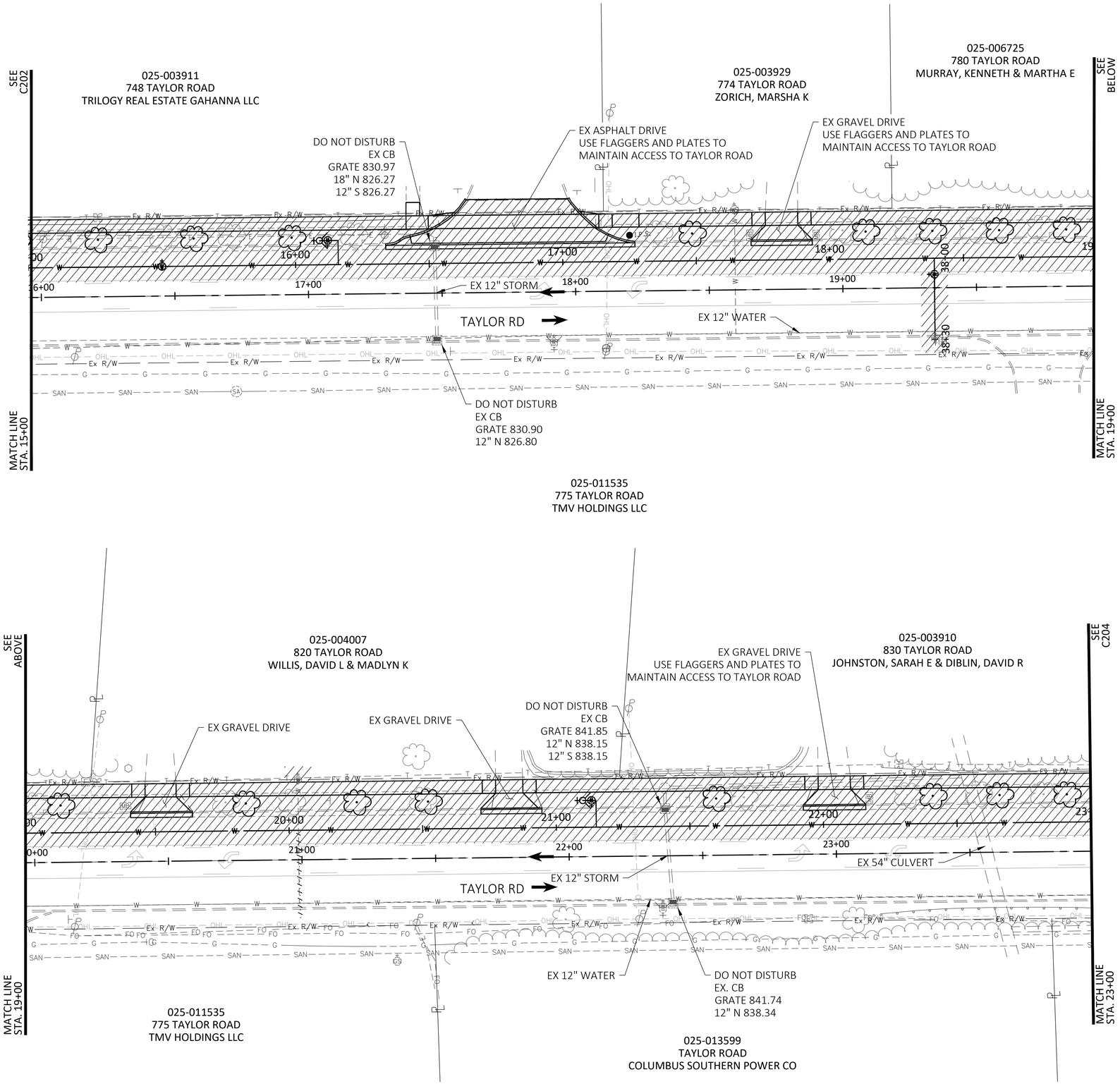

LEGEND

- PHASE 1 CONSTRUCTION AREA
- PHASE 2 CONSTRUCTION AREA
- PHASE 3 CONSTRUCTION AREA
- TRAFFIC FLOW

NORTH

STA. 15+00 TO STA. 23+00

TAYLOR ROAD MAINTENANCE OF TRAFFIC

SCALE: 1" = 20'

0 10 20 40

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Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C203

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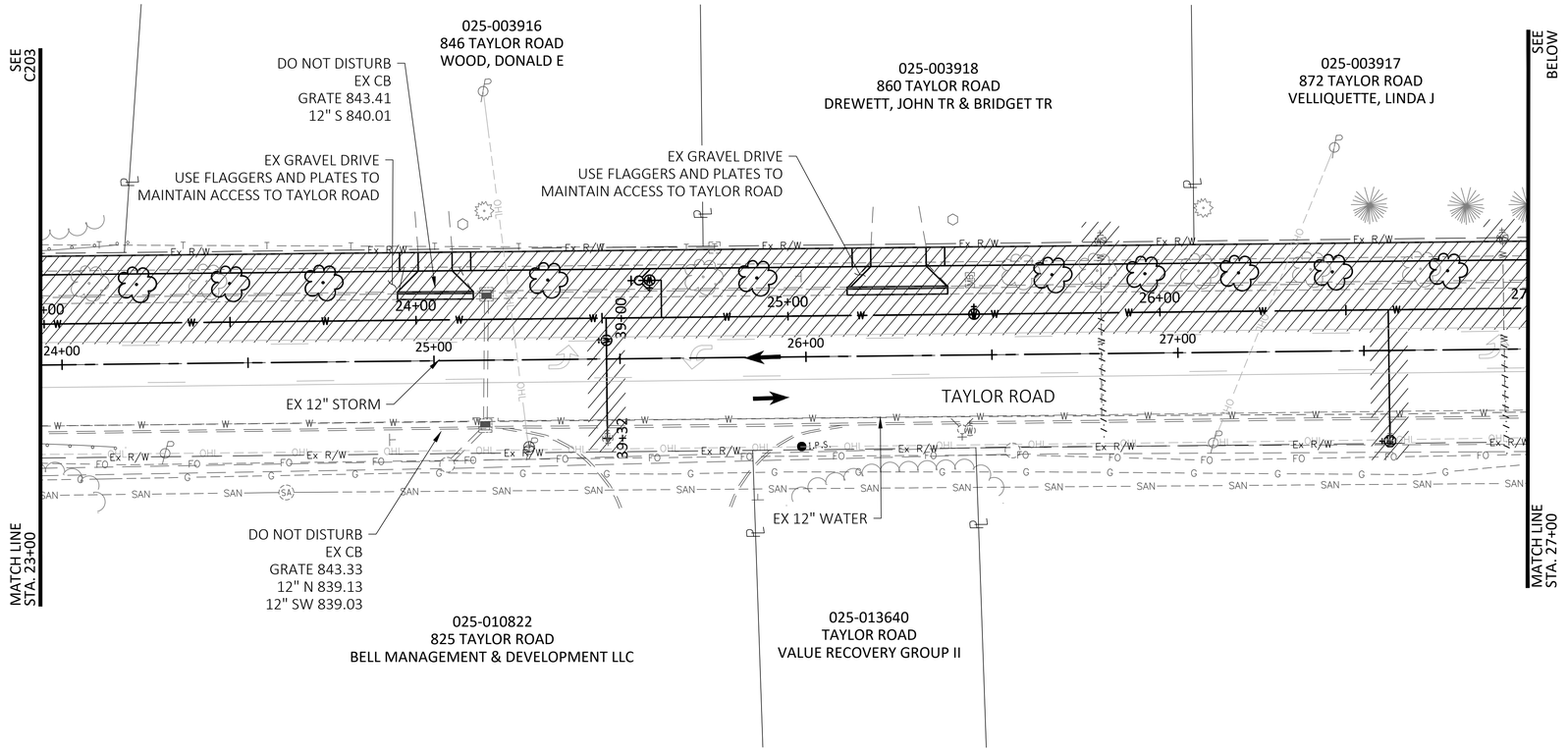
PLOT INFO: Z:\2024\241550\CAD\CIVIL\C201_241550_MOT.DWG LAYOUT: M103 DATE: 10/16/2025 TIME: 3:39:18 PM USER: JGRIFFITH



LEGEND

- PHASE 1 CONSTRUCTION AREA
- PHASE 2 CONSTRUCTION AREA
- PHASE 3 CONSTRUCTION AREA
- TRAFFIC FLOW

NORTH

STA. 23+00 TO STA. 31+00

TAYLOR ROAD MAINTENANCE OF TRAFFIC

SCALE: 1" = 20'

0 10 20 40

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City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C204

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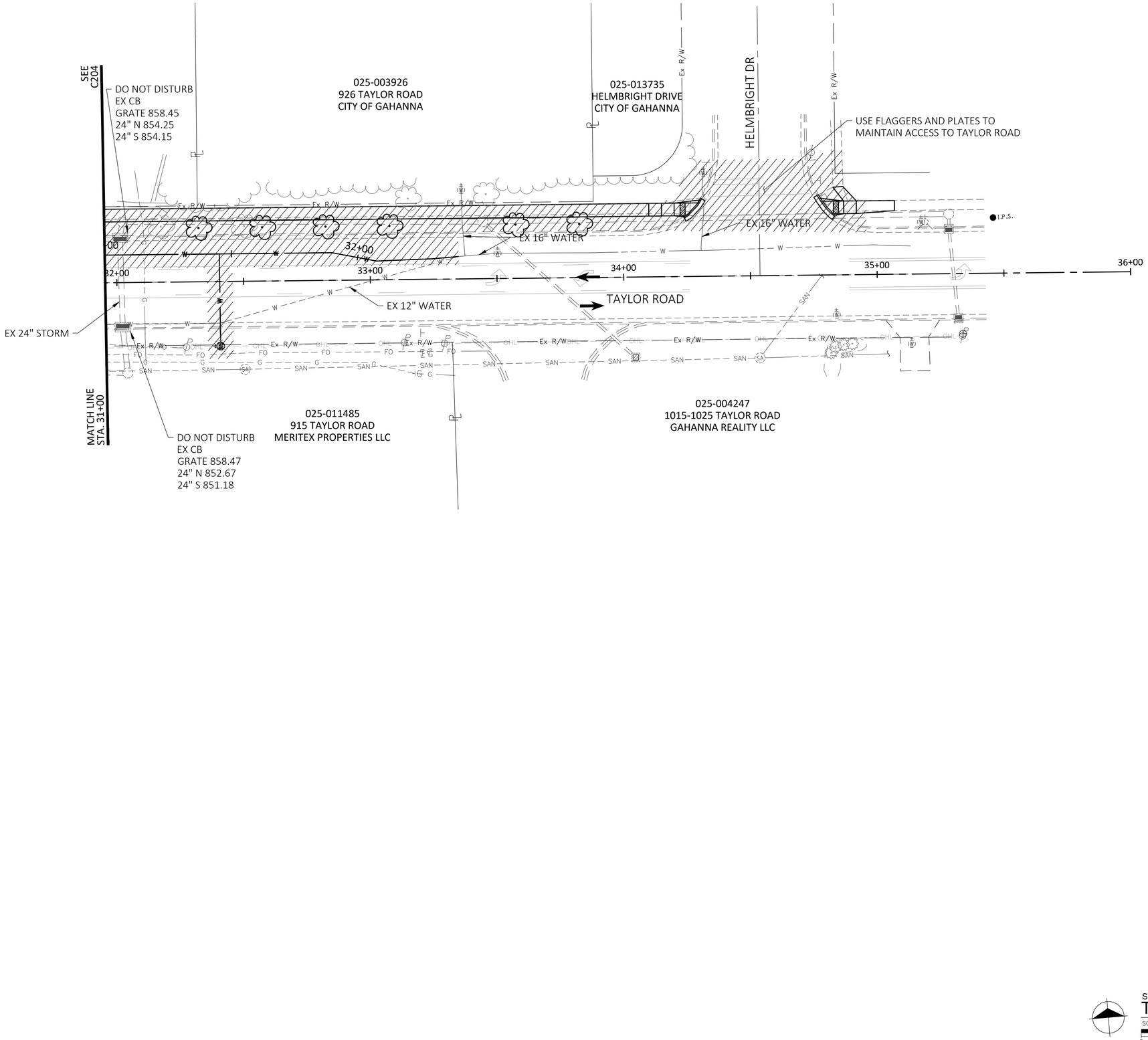
PLOT INFO: Z:\2024\241550\CAD\CD\C201_241550_MOT.DWG LAYOUT: M104 DATE: 10/16/2025 TIME: 3:40:05 PM USER: JGRIFFITH



LEGEND

- PHASE 1 CONSTRUCTION AREA
- PHASE 2 CONSTRUCTION AREA
- PHASE 3 CONSTRUCTION AREA
- TRAFFIC FLOW

NORTH

STA. 31+00 TO STA. 32+55

TAYLOR ROAD MAINTENANCE OF TRAFFIC

SCALE: 1" = 20'

0 10 20 40

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C205

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PLOT INFO: Z:\2024\241550\CAD\C\C201_241550_MOT.DWG LAYOUT: M105 DATE: 10/16/2025 TIME: 3:40:43 PM USER: JGRIFFITH

CURB RAMP DETAIL NOTES

ALL FLARES ARE 1' WIDE AT FACE OF CURB.

CURB RAMPS SHALL BE 8" CONCRETE WALK.

LEGEND

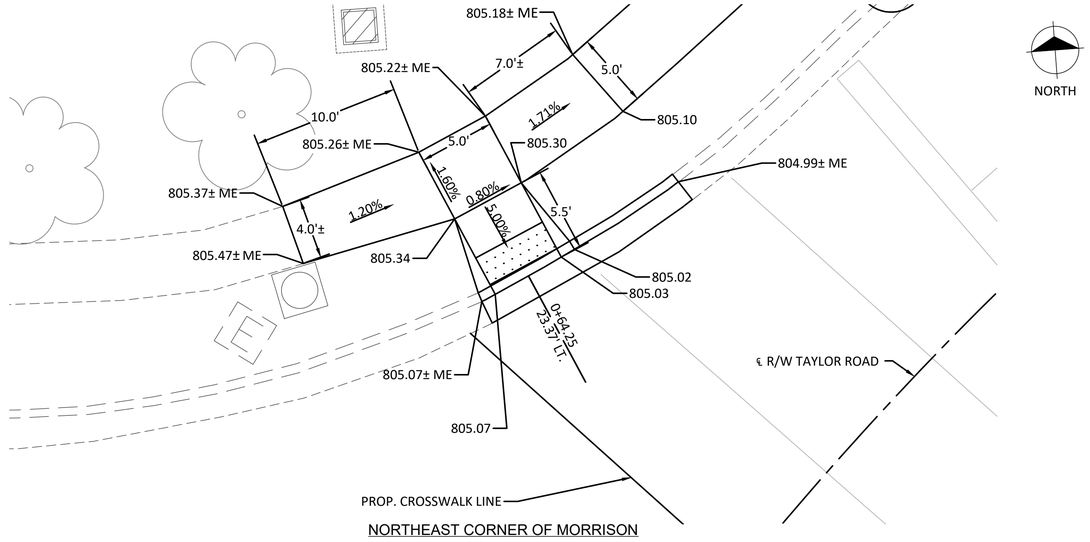
XXX.XX — Proposed Elevations

XXX.XX± — Existing Elevations

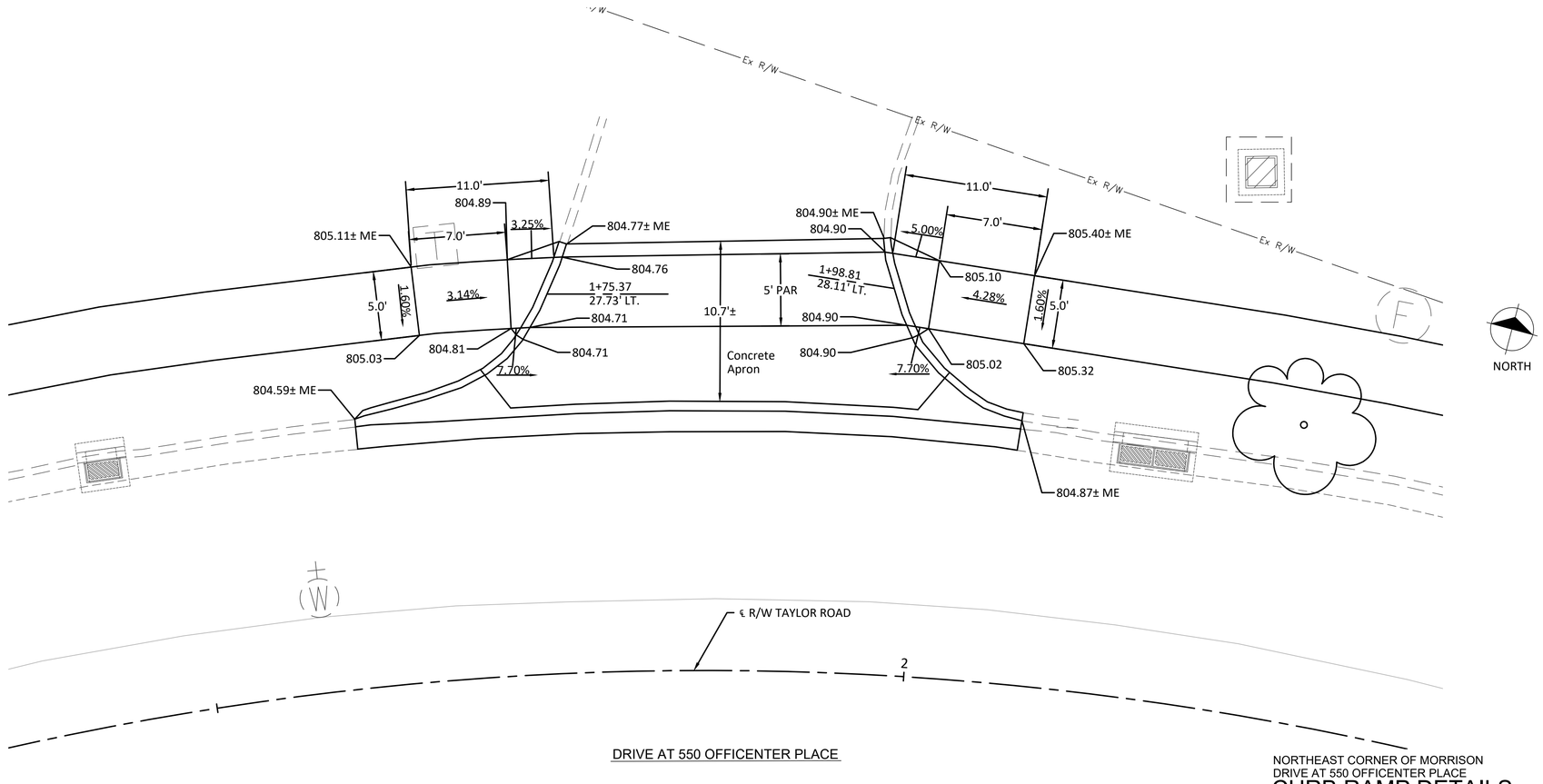
ME = Match Existing

PAR = Pedestrian Access Route

Detectable Warning



NORTHEAST CORNER OF MORRISON



DRIVE AT 550 OFFICENTER PLACE

NORTHEAST CORNER OF MORRISON
DRIVE AT 550 OFFICENTER PLACE

CURB RAMP DETAILS

SCALE: 1" = 5'

0 2.5 5 10

PLOT INFO: Z:\2024\241550\CAD\CD\C301_241550_CR.DWG LAYOUT: CR101 DATE: 10/16/2025 TIME: 3:41:47 PM USER: JGRIFFITH

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C301

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CURB RAMP DETAIL NOTES

ALL FLARES ARE 1' WIDE AT FACE OF CURB.

CURB RAMPS SHALL BE 8" CONCRETE WALK.

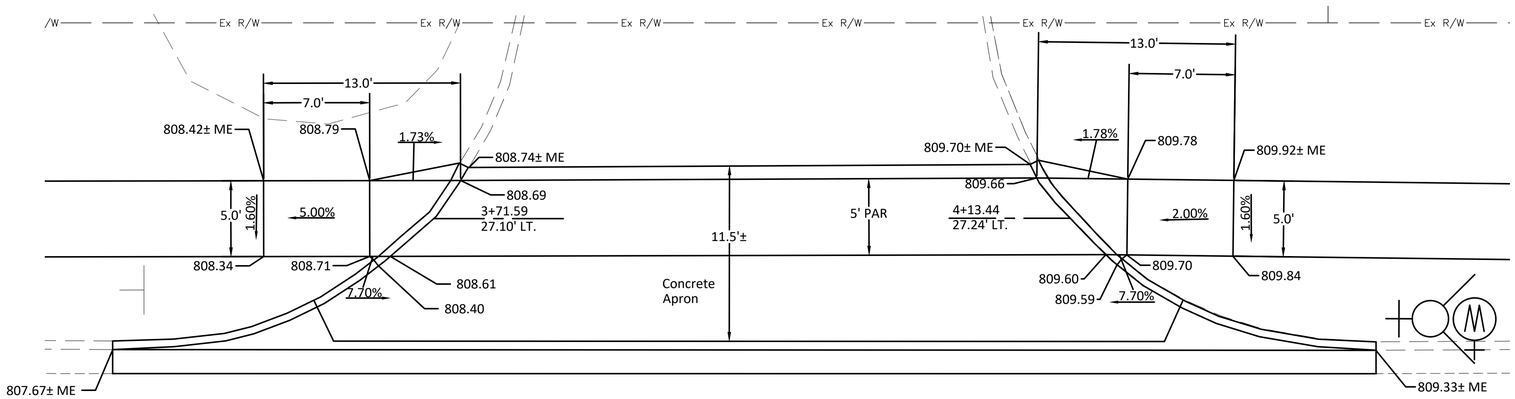
LEGEND

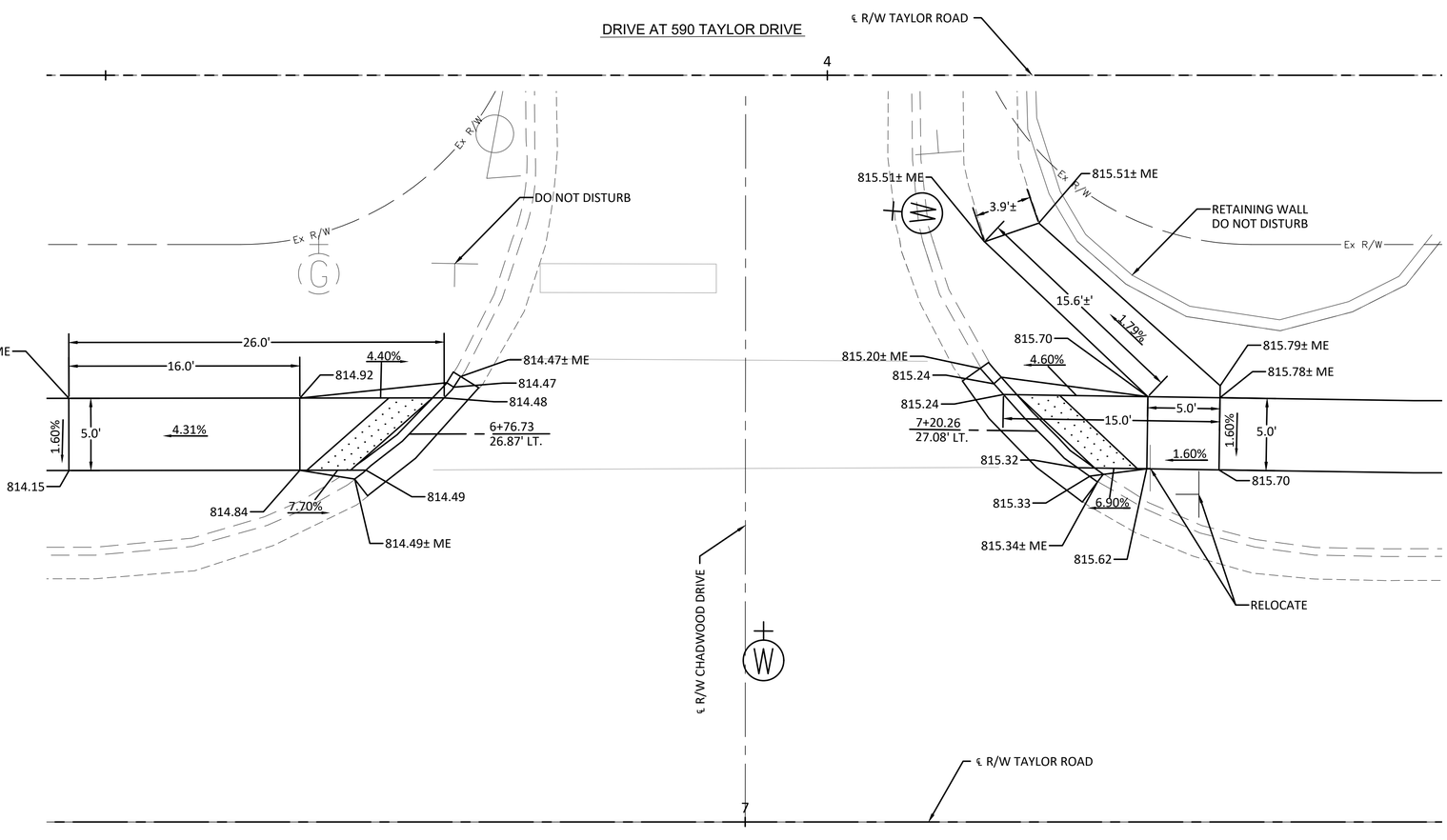
XXX.XX — Proposed Elevations

XXX.XX± — Existing Elevations

ME = Match Existing
PAR = Pedestrian Access Route

Detectable Warning





INTERSECTION WITH CHADWOOD DRIVE

NORTH

DRIVE AT 590 TAYLOR ROAD
INTERSECTION WITH CHADWOOD DRIVE
CURB RAMP DETAILS

SCALE: 1" = 5'

0 2.5 5 10

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City of Gahanna
Franklin Coutny
Taylor Road Water Main Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C302

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PLOT INFO: Z:\2024\241550\CAD\CD\C301_241550_CR.DWG LAYOUT: CR102 DATE: 10/16/2025 TIME: 3:42:38 PM USER: JGRIFFITH

CURB RAMP DETAIL NOTES

ALL FLARES ARE 1' WIDE AT FACE OF CURB.

CURB RAMPS SHALL BE 8" CONCRETE WALK.

LEGEND

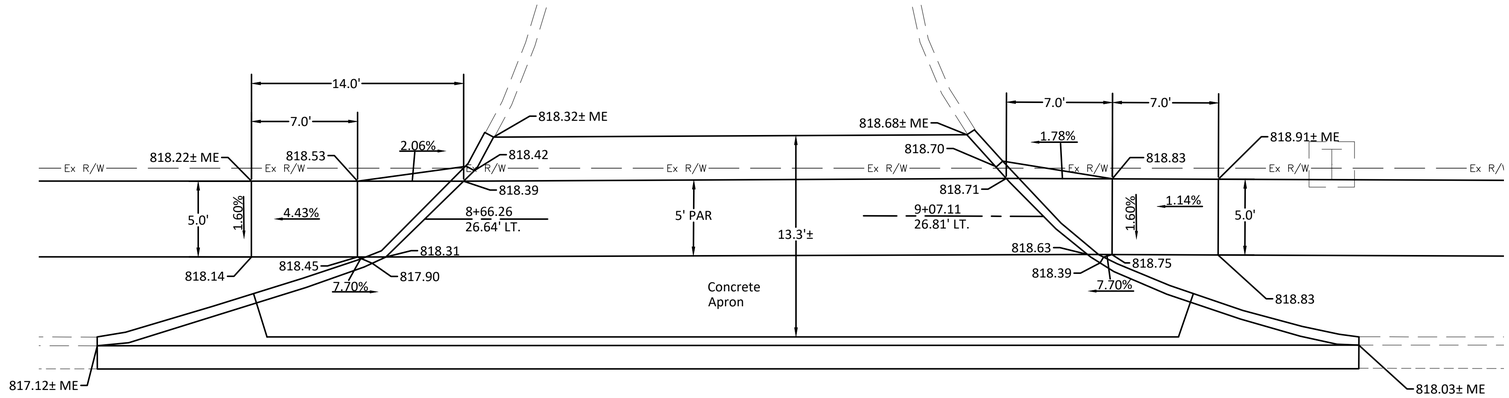
XXX.XX — Proposed Elevations

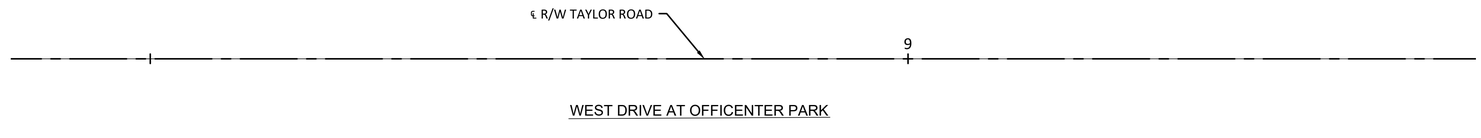
XXX.XX± — Existing Elevations

ME = Match Existing

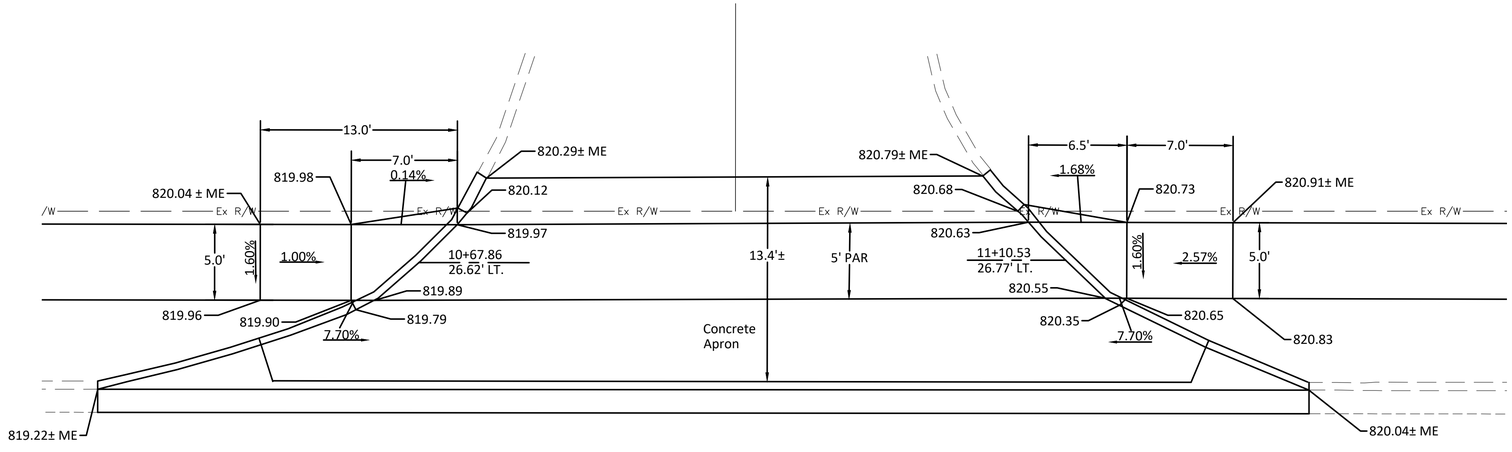
PAR = Pedestrian Access Route

Detectable Warning





WEST DRIVE AT OFFICENTER PARK



CENTER DRIVE AT OFFICENTER PARK

NORTH

WEST DRIVE AT OFFICENTER PARK
CENTER DRIVE AT OFFICENTER PARK

CURB RAMP DETAILS

SCALE: 1" = 5'

0 2.5 5 10

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City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C303

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PLOT INFO: Z:\2024\241550\CAD\CD\C301_241550_CR.DWG LAYOUT: CR103 DATE: 10/16/2025 TIME: 3:43:21 PM USER: JGRIFFITH

CURB RAMP DETAIL NOTES

ALL FLARES ARE 1' WIDE AT FACE OF CURB.

CURB RAMPS SHALL BE 8" CONCRETE WALK.

LEGEND

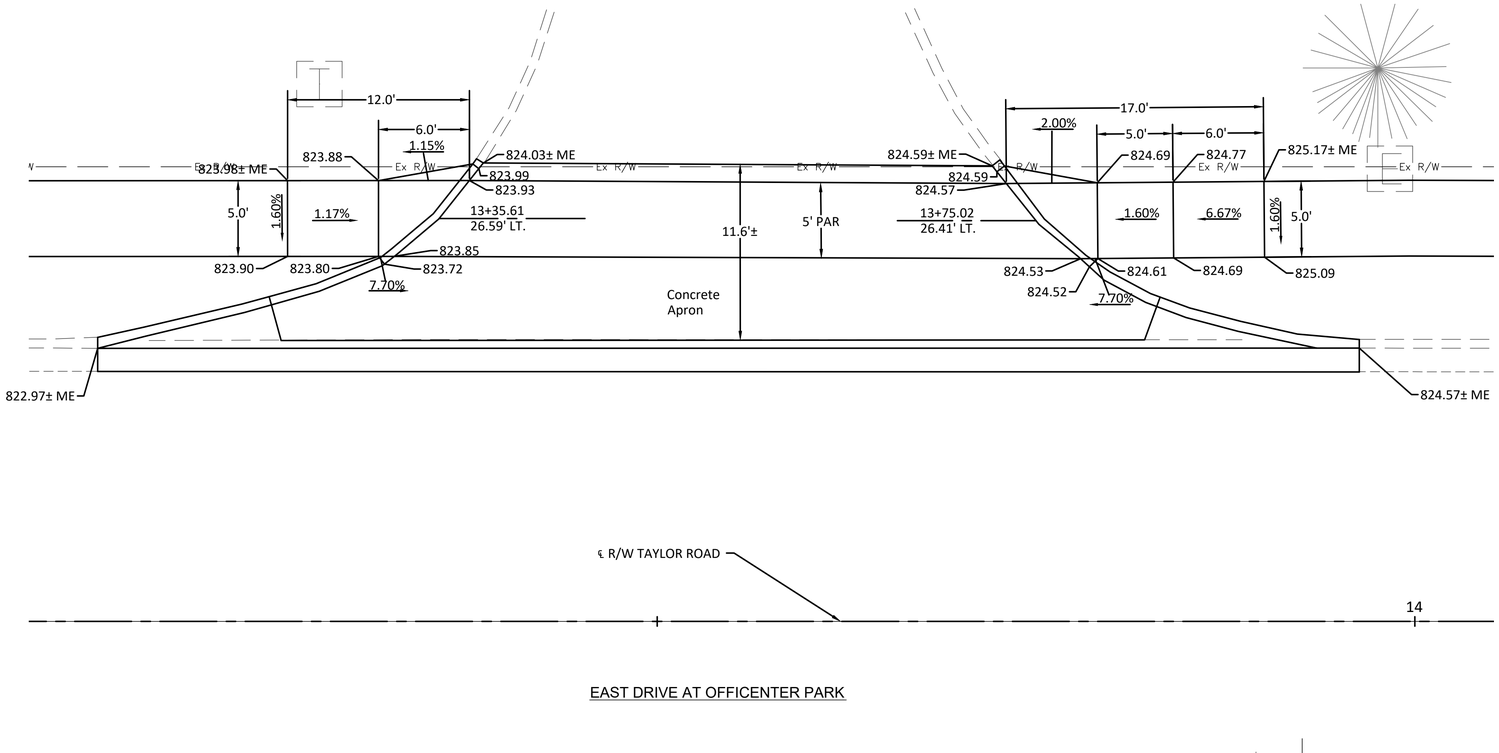
XXX.XX — Proposed Elevations

XXX.XX± — Existing Elevations

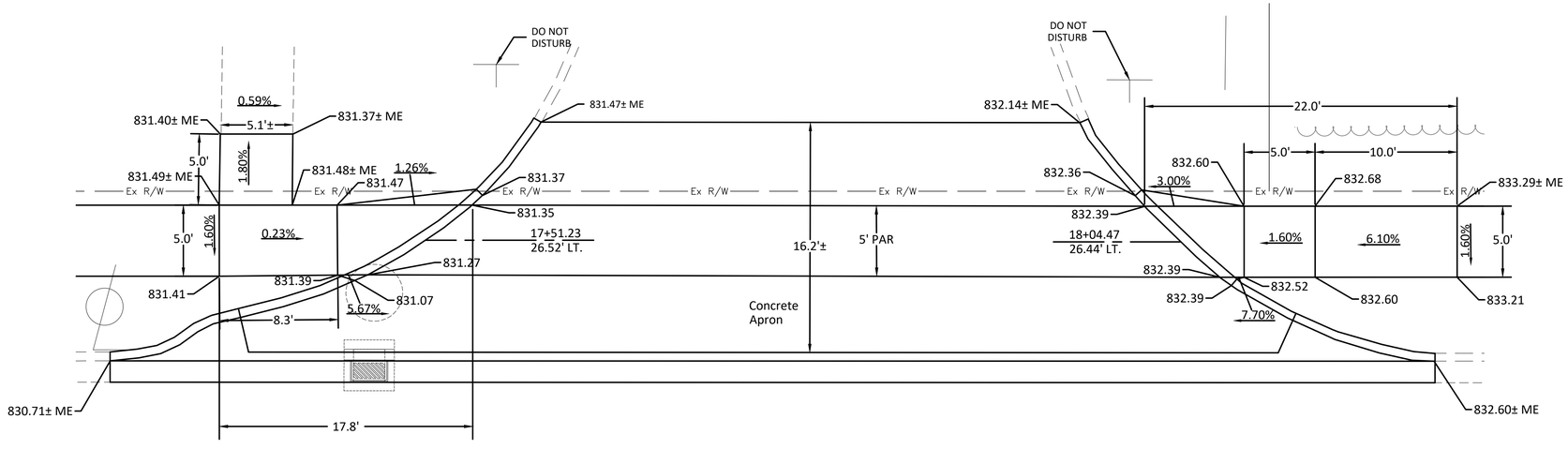
ME = Match Existing

PAR = Pedestrian Access Route

Detectable Warning



EAST DRIVE AT OFFICENTER PARK



DRIVE AT 748 TAYLOR ROAD

EAST DRIVE AT OFFICENTER PARK
DRIVE AT 748 TAYLOR ROAD

CURB RAMP DETAILS

SCALE: 1" = 5'

NORTH

0 2.5 5 10

PLOT INFO: Z:\2024\241550\CAD\CD\C301_241550_CR.DWG LAYOUT: CR104 DATE: 10/16/2025 TIME: 3:43:43 PM USER: JGRIFFITH

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City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

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PROJECT NO.
241550

SHEET NO.
C304

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CURB RAMP DETAIL NOTES

ALL FLARES ARE 1' WIDE AT FACE OF CURB.

CURB RAMPS SHALL BE 8" CONCRETE WALK.

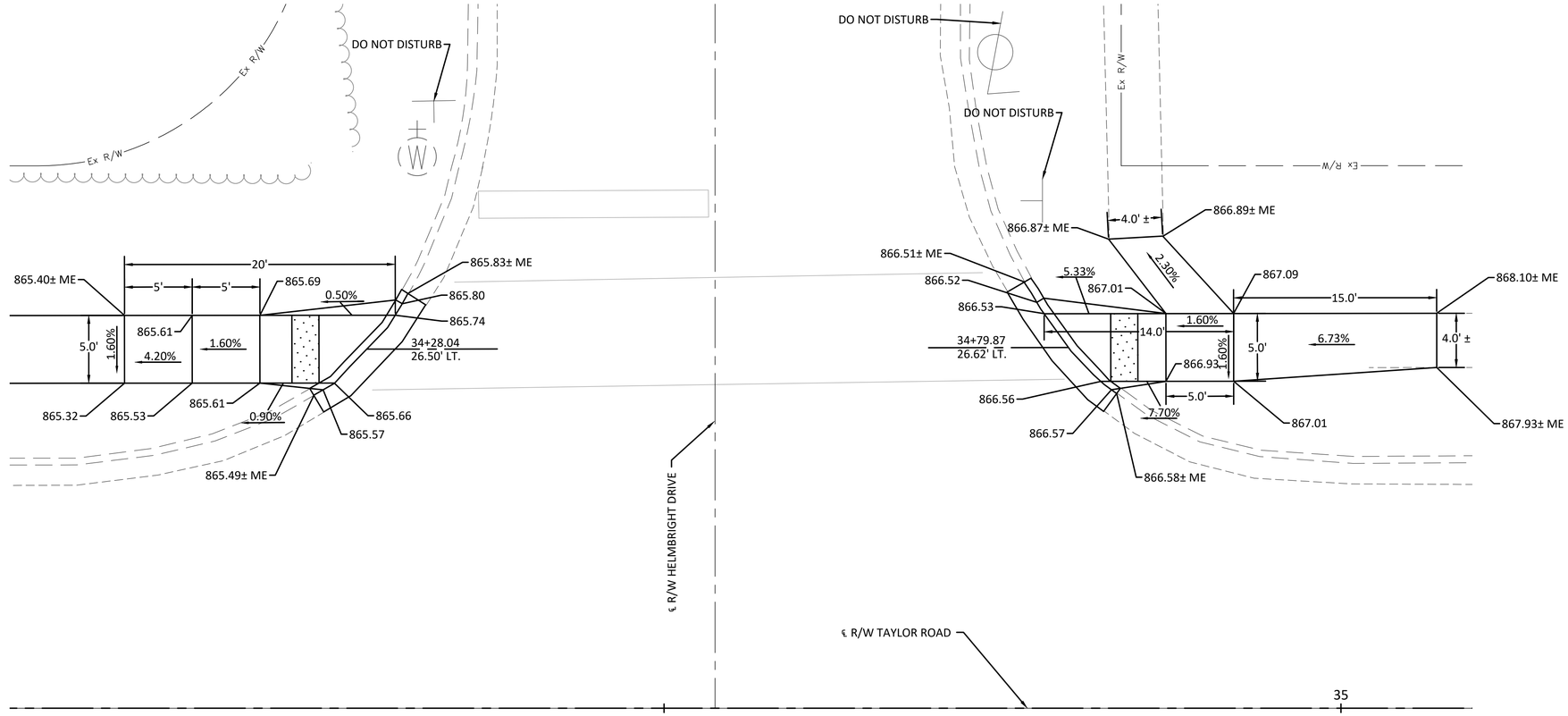
LEGEND

XXX.XX — Proposed Elevations

XXX.XX± — Existing Elevations

ME = Match Existing
PAR = Pedestrian Access Route

Detectable Warning



INTERSECTION WITH HELMBRIGHT DRIVE

INTERSECTION WITH HELMBRIGHT DRIVE
CURB RAMP DETAILS

SCALE: 1" = 5'

NORTH

0 2.5 5 10

PLOT INFO: Z:\2024\241550\CAD\CD\C301_241550_CR.DWG LAYOUT: CR105 DATE: 10/16/2025 TIME: 3:44:01 PM USER: JGRIFFITH

fishbeck
Engineers | Architects | Scientists | Constructors

City of Gahanna
Franklin Coutny

Taylor Road Water Main Replacement

REVISIONS

Drawn By	TSHKOLNIK
Designer	TSHKOLNIK
Reviewer	RRUSNAK
Manager	BVANCLEAVE

Hard copy is intended to be 22"x34" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

PROJECT NO.
241550

SHEET NO.
C305

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APPENDIX E

Owner-Contractor Agreement
EJCDC Standard General Conditions

OWNER-CONTRACTOR AGREEMENT

Contract Terms Sheet

Owner:	Contractor:
City of Gahanna **200 South Hamilton Road** **Gahanna, Ohio 43230** **(614) 342-4005** **Owner's Representative: Holly Boyer, PE**	**Shelly& Sands, Inc.** **1515Harmon Ave** **Columbus, OH 432232** **614-444-5100** **Contractor Representative:** **Jeffrey T. Schultz**

Project Name: **Taylor Road Water Main Replacement, ST-1121**

Contract Effective Date: [**date**]

___ When this item is checked by the Owner, e.g., with an "X" or other mark, the State of Ohio Department of Transportation, Construction Specifications Manual, in the current version through January 1, 2023, will be a Contract Document, but only as modified by the document titled *ODOT Manual Supplement,* prepared by Owner.

_X_ When this item is checked by the Owner, e.g., with an "X" or other mark, the City of Columbus Construction and Material Specifications Supplement, in the current edition through July 1, 2025, will be a Contract Document, but only as modified by the document titled *City of Columbus Construction and Material Specifications Supplement*.

Non-Contract Documents. The following are the reports and tests of subsurface conditions at or contiguous to the Site, if any, that the Design Professional has used in preparing the Contract Documents. (None, if none are listed)._____

Non-Contract Documents. The following are those reports and drawings related to any Hazardous Conditions at the Site, if any. (None, if none are listed)._____

The Design Professional (also called the "Consulting Engineer") is:
Fishbeck
1 East Campus View Boulevard, Suite 310
Columbus, Ohio 43235
Phone: 614.363.1001
If no other individual is named, then the Senior Utilities Engineer shall be considered to be the Project Design Professional.

The Design Professional's Representative is: Brenda VanCleave, bvancleave@fishbeck.com

The Date for Substantial Completion is the following date or the following Contract Time (in calendar days) [**date**]

The Coordinating Contractor shall be the _____ Contractor. (If this blank is not completed, then the Coordinating Contractor shall be the General Trades Contractor or, if there is only one contractor, the Contractor).

The Contract Sum (also called Contract Price) is Two Million, Nine Hundred Seventy-Nine Thousand, Nine Hundred Dollars. The Contract Sum includes the following:

Base Bid Amount: **$2,947,900**

Accepted Alternates, if any (none if none are listed):

Alternate No.	Description	Amount

This document is an agreement between the Owner and the Contractor for the Work described in the Contract Documents related to the Contract identified above for the Project defined above and is effective as of the date set forth above ("Effective Date of this Agreement"), which if no date is entered shall be the date the Agreement was signed by the Owner.

The Owner and the Contractor agree as set forth in the following sections:

1. CONTRACT DOCUMENTS. The Contract Documents consist of the following documents:

1. NOTICE TO BIDDERS;
2. INFORMATION AND REQUIREMENTS FOR BIDDERS;
3. SUPPLEMENTARY SPECIFICATIONS;
4. PREVAILING WAGE RATES (as applicable);
5. BID FORM;
6. NONCOLLUSION AFFIDAVIT;
7. CORPORATE AFFIDAVIT;
8. CONTRACTOR'S PERSONAL PROPERTY TAX AFFIDAVIT (O.R.C. § 5719.042);
9. CERTIFICATE OF INSURANCE;
10. STATE OF OHIO DEPARTMENT OF TAXATION, SALES AND USE TAX CONSTRUCTION CONTRACT EXEMPTION CERTIFICATE;
11. CONTRACTOR'S QUALIFICATION STATEMENT;
12. SUB CONTRACTORS LIST;
13. OWNER-CONTRACTOR AGREEMENT;
14. FISCAL OFFICER'S STATEMENT OF AVAILABILITY;
15. MODIFIED STANDARD GENERAL CONDITIONS;
16. STATE OF OHIO BUREAU OF WORKER'S COMPENSATION INSURANCE CERTIFICATE;
17. NOTICE OF COMMENCEMENT OF PUBLIC IMPROVEMENT;
18. NOTICE OF AWARD TO CONTRACTOR;
19. NOTICE OF AWARD TO SURETY AND SURETY'S AGENT;
20. NOTICE TO PROCEED;
21. CHANGE ORDER;
22. PAYROLL INFORMATION;
23. FINAL PAYROLL AFFIDAVIT;
24. CONTRACTOR'S PAYMENT APPLICATION CHECKLIST;
25. CONTRACTOR'S AFFIDAVIT WITH LIST OF SUBCONTRACTORS AND SUPPLIERS WITH ANY AMOUNTS WITHHELD;
26. CONTRACTOR'S WAIVER & RELEASE AGREEMENT;
27. SUBCONTRACTOR'S – SUPPLIER'S WAIVER & RELEASE AGREEMENT;
28. STATEMENT OF CLAIM FORM;
29. STATEMENT OF CLAIM FORM INSTRUCTIONS;

30. DESIGN PROFESSIONAL'S CERTIFICATE OF SUBSTANTIAL COMPLETION;
31. MODIFICATIONS ISSUED AFTER THE EXECUTION OF THE CONTRACT, INCLUDING:
    i. A written amendment to the Agreement signed by both parties;
    ii. A Change Order;
    iii. A Work Change Directive; or,
    iv. A written order for a minor change of the Work issued by the Design Professional in accordance with the General Conditions; and
32. If selected as a Contract Document in the Contract Terms Sheet, the State of Ohio Department of Transportation, Construction Specifications Manual, in the current version through January 1, 2023, will be a Contract Document, but only as modified by the document titled *ODOT Manual Supplement,* prepared by Owner;
33. If selected as a Contract Document in the Contract Terms Sheet, the City of Columbus Construction and Material Specifications Supplement, in the current edition through July 1, 2025, will be a Contract Document, but only as modified by the document titled *City of Columbus Construction and Material Specifications Supplement*; and
34. THE PROJECT PLANS, DRAWINGS, AND EXHIBITS.

Note: **NON-CONTRACT DOCUMENTS**. The reports and tests of subsurface conditions at or contiguous to the Site, if any, that the Design Professional has used in preparing the Contract Documents, identified in the Contract Terms Sheet, are not Contract Documents. The General Conditions, as modified, contain additional terms related to these reports and tests.

Note: **NON-CONTRACT DOCUMENTS**. The reports and drawings related to any Hazardous Conditions at the Site, if any, identified in the Contract Terms Sheet, are not Contract Documents. The General Conditions, as modified, contain additional terms related to these reports and drawings. (None if none are listed).

2. DESIGN PROFESSIONAL RELATIONSHIP. The Contract Documents shall not be construed to create a contractual relationship of any kind between the Design Professional and the Contractor or any Subcontractor or Material Supplier to the Project. The Design Professional, however, shall be entitled to performance of the obligations of the Contractor intended for its benefit and to enforcement of such obligations, but nothing contained herein shall be deemed to give the Contractor or any third party any claim or right of action against the Design Professional that does not otherwise exist without regard to this Contract. The Contractor and its Subcontractors shall not be deemed to be beneficiaries of any of the acts or services of the Design Professional that are performed for the sole benefit of the Owner. The Contractor shall forward all communications to the Owner through the Design Professional and hereby acknowledges and agrees that any instructions, reviews, advice, approvals, orders, or directives that are rendered to it by the Design Professional are specifically authorized and directed by the Owner to the Contractor through the Design Professional acting on behalf of the Owner.

2.1 The Design Professional (also called the "Consulting Engineer"), if any, is identified in the Contract Terms Sheet.

3. TIME FOR COMPLETION AND PROJECT COORDINATION.

3.1 DATE FOR COMMENCEMENT. The date for commencement of the Work shall be the date established in a written Notice to Proceed issued by the Owner, through the Design Professional, to the Contractor. If no Notice to Proceed is issued, then the date for commencement shall be the Effective Date of this Agreement. The date for commencement of the Work shall be within sixty (60) days from the bid opening date, unless the Owner and the Contractor agree to a later date. If there is any other date for commencement of the Work in the bid documents, Contract Documents or elsewhere, it is agreed that such other date is a tentative date and may not be relied upon by the Contractor. If the date for commencement of the Work is later than sixty (60) days from the bid opening date or, if applicable, the later date agreed to by the Owner and the Contractor, the Contractor may submit a Claim in accordance with the Contract Documents.

3.2 DATE FOR SUBSTANTIAL COMPLETION. The Contractor shall have its Work on the Project Substantially Complete by the following date or within the following Contract Time (in calendar days) set forth in the Contract Terms Sheet. The Date for Substantial Completion is the foregoing date or date calculated using the Contract Time. The Date for Substantial Completion shall only be changed or modified by Change Order, other Modification, or a Claim that is Finally Resolved regardless of any dates in any schedule created by any person, including the Coordinating Contractor. The Contract Time shall run from the date of the Notice to Proceed or if there is no Notice to Proceed from the Effective Date of this Agreement.

3.2.1 Substantial Completion is the time at which the Work has progressed to the point where the Work is sufficiently complete, in accordance with the Contract Documents, so that the Work can be utilized for the purposes for which it is intended. Final Completion shall mean that the Work is complete in accordance with the Contract Documents and the Contractor has submitted to the Design Professional all documents required to be submitted to the Design Professional for final payment. A Claim is “Finally Resolved” when the claim process is complete and not subject to further proceedings.

3.2.2 SHUTDOWN DATES. Due to events scheduled by the Owner and/or other Owner considerations, Contractor must only perform Work on the days and at the times allowed by the Ordinances of the City of Gahanna. Additionally, Contractor will not be able to perform Work on the Project on the dates and times delineated in the Supplementary Specifications to these Contract Documents.

Contractor’s Construction Schedule for performing the Work shall account for Contractor not being able to perform Work on these dates and the contractual dates for Substantial Completion and Final Completion will not be changed due to Contractor not being able to perform Work on these dates.

3.3 CONSTRUCTION SCHEDULE. The Construction Schedule (also referred to as the “Progress Schedule”) shall be developed by the Coordinating Contractor as provided in the Contract Documents.

3.4 COORDINATING CONTRACTOR. The Coordinating Contractor shall be the contractor identified in the Contract Terms Sheet (if none is identified, then the Coordinating Contractor shall be the General Trades Contractor or, if there is only one contractor, the Contractor). The Coordinating Contractor shall be responsible for coordinating the work of all contractors on the Project.

3.5 LIQUIDATED DAMAGES. If the Contractor does not have its Work on the Project Substantially Complete by its Date for Substantial Completion or Finally Complete within forty-five (45) days of achieving Substantial Completion, the Contractor shall pay the Owner (and the Owner may set off from sums coming due the Contractor) Liquidated Damages in the per diem amounts as set forth in the following tables, whichever may be applicable:

LIQUIDATED DAMAGES – DATE FOR SUBSTANTIAL COMPLETION

Contract Amount	**Dollars Per Day**
$1.00 to $50,000.00	$ 250.00
$50,000.01 to $150,000.00	$ 500.00
$150,000.01 to $500,000.00	$1,000.00
$500,000.01 to $2,000,000.00	$1,500.00
$2,000,000.01 to $5,000,000.00	$2,500.00
$5,000,000.01 to $10,000,000.00	$3,000.00

LIQUIDATED DAMAGES – FINAL COMPLETION

Contract Amount	**Dollars Per Day**
$1.00 to $50,000.00	$ 50.00
$50,000.01 to $150,000.00	$ 100.00
$150,000.01 to $500,000.00	$ 200.00
$500,000.01 to $2,000,000.00	$ 300.00
$2,000,000.01 to $5,000,000.00	$ 500.00
$5,000,000.01 to $10,000,000.00	$ 600.00

In addition to such Liquidated Damages, the Contractor shall indemnify, defend and hold the Owner and its employees and agents harmless from any and all claims, whether or not such claims are proven, and from all costs and expenses incurred, as a result of or related to such claims, including but not limited to attorneys' and consultants' fees and expenses, provided that such claims arise out of or are related to the Contractor's failure to Substantially Complete its Work by its Date for Substantial Completion or its failure to Finally Complete its Work within forty-five (45) days of its Date for Substantial Completion. The Contractor's obligation to indemnify, defend and hold the Owner harmless under this Section 3.5 shall be joint and several. These Liquidated Damages are in addition to any other remedies available to the Owner under the Contract Documents.

The Contractor acknowledges that such amounts of Liquidated Damages represent a reasonable estimate of the actual damages for loss of or interference with the intended use of the Project that the Owner would incur if the Contractor's Work is not Substantially

Complete by its Date for Substantial Completion or Finally Complete by the required date for Final Completion. The Parties acknowledge and agree that actual damages,

costs or expenses of any delay would be difficult to ascertain and that the liquidated damages remedy provided for in this Section is a fair and equitable amount to reimburse Owner for damages sustained due to such delay and is not a penalty.

3.6. FINAL COMPLETION. The Contractor shall achieve Final Completion of its Work on the Project, as defined in the General conditions, within forty-five (45) calendar days of achieving Substantial Completion ("Date of Final Completion").

3.7. MILESTONE DATES: The following Milestone Date(s), if any, shall be met:
September 2026

4. CONTRACT SUM (also called Contract Price). The lump sum Contract Sum to be paid by the Owner to the Contractor, as provided herein, for the satisfactory performance and completion of the Work and all of the duties, obligations, and responsibilities of the Contractor under this Agreement and the other Contract Documents is as set forth in the Contract Terms Sheet. The Contract Sum includes all federal, state, county, municipal, and other taxes imposed by law, including but not limited to any sales, use, commercial activity, and personal property taxes payable by or levied against the Contractor on account of the Work or the materials incorporated into the Work. The Contractor will pay any such taxes. The Contract Sum includes the Base Bid and Alternates, if any, identified in the Contract Terms Sheet.

If after Substantial Completion of its Work, the Contractor fails to submit its final payment application with all the documents required to be submitted with such application within ninety (90) days after written notice to do so from the Owner and without prejudice to any other rights and remedies the Owner may have available to it, the balance of the Contract Sum shall become the Owner's sole and exclusive property, and the Contractor shall have no further interest in or right to such balance.

5. RETAINAGE. Retainage applicable to the Contract by Ohio Revised Code Sections 153.12, .13, and .14 will be withheld as defined in the General Conditions. The Contractor agrees that the Retainage will not be held in escrow or in any interest-bearing account, and that no interest will be paid on such retained funds.

6. LIMITATION ON LIABILITY. The Owner's total liability under this Agreement will be limited to the amount set forth in the Fiscal Officer's certificate accompanying this Agreement. Under no circumstances will the elected officials, officers, employees, board or council members, or agents of the Owner be personally liable for any obligations or claims arising out of or related to this Agreement.

7. GENERAL.

7.1 MODIFICATION. Unless otherwise specifically set forth in this Agreement, no modification or waiver of any of the terms of this Agreement, or of any other Contract Documents, will be effective against a party unless set forth in writing and signed by or on behalf of a party. In the case of the Owner, the person executing the modification or waiver must have express authority to execute the Modification on behalf of the Owner pursuant to a resolution that is duly adopted by the Owner. Under no circumstances will forbearance, including the failure or repeated failure to insist upon compliance with the terms of the Contract Documents, constitute the waiver or modification of any such terms

by the Owner. The parties acknowledge that no person has authority to modify this Agreement or the other Contract Documents or to waive any of its or their terms, except as expressly provided in this section.

7.2 ASSIGNMENT. The Contractor may not assign this Agreement without the written consent of the Owner, which the Owner may withhold in its sole discretion.

7.3 LAW AND JURISDICTION. All questions regarding the validity, intention, or meaning of this Agreement or any modifications of it relating to the rights and obligation of the parties will be construed and resolved under the laws of the State of Ohio. Any suit, which may be brought to enforce any provision of this Agreement or any remedy with respect hereto, shall be brought in the state court of competent jurisdiction in the county in Ohio in which the Owner's principal office is located, and each party hereby expressly consents to the exclusive jurisdiction of such court. The parties expressly waive the right to remove any litigation arising out of this Agreement to federal court.

7.4 CONSTRUCTION. The parties acknowledge that each party has reviewed this Agreement and the other Contract Documents and entered into this Agreement as a free and voluntary act. Accordingly, the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party will not be employed in the interpretation of this Agreement, the other Contract Documents, or any amendments or exhibits to it or them.

7.5 APPROVALS. Except as expressly provided herein, the approvals and determinations of the Owner and Design Professional will be subject to the sole discretion of the respective party and be valid and binding on the Contractor, provided only that they be made in good faith, i.e., honestly. If the Contractor challenges any such approval or determination, the Contractor has the burden of proving that it was not made in good faith by clear and convincing evidence.

7.6 PARTIAL INVALIDITY. If any term or provision of this Agreement is found to be illegal, unenforceable, or in violation of any laws, statutes, ordinances, or regulations of any public authority having jurisdiction, then, notwithstanding such term or provision, this Agreement will remain in full force and effect and such term will be deemed stricken; provided this Agreement will be interpreted, when possible, so as to reflect the intentions of the parties as indicated by any such stricken term or provision.

7.7 COMPLIANCE WITH LAWS AND REGULATIONS. The Contractor, at its expense, will comply with all applicable federal, state, and local laws, rules, and regulations applicable to the Work, including but not limited to Chapter 4115 of the Ohio Revised Code and Sections 153.59 and 153.60 of the Ohio Revised Code, which prohibit discrimination in the hiring and treatment of employees, with respect to which the Contractor agrees to comply and to require its subcontractors to comply.

7.7.1 NON-DISCRIMINATION. Contractor agrees:

1. That in the hiring of employees for the performance of Work under this Agreement or in any subcontract, neither the Contractor, subcontractor, or any person acting on behalf of either of them, shall by reason of race, creed, sex, disability as defined in Section 4112.01 of the Ohio Revised Code, or color discriminate against any citizen of the state in the employment of labor

or workers who are qualified and available to perform the Work to which the employment relates.

2. That neither the Contractor, subcontractor, nor any person acting on behalf of either of them shall, in any manner, discriminate against or intimidate any employee hired for the performance of Work under this Agreement on account of race, creed, sex, disability as defined in Section 4112.01 of the Ohio Revised Code, or color.

3. That there shall be deducted from the amount payable to the Contractor by the Owner under this Agreement a forfeiture of twenty-five dollars ($25.00) as required by Ohio Revised Code Section 153.60 for each person who is discriminated against or intimidated in violation of this Agreement.

4. That this Agreement may be canceled or terminated by the Owner and all money to become due hereunder may be forfeited for a second or subsequent violation of the terms of this section of this Agreement.

7.7.2 PREVAILING WAGE RATES. The Contractor and its subcontractors, regardless of tier, shall strictly comply with their obligation to pay their employees working on the Project site at the applicable prevailing wage rates for the type of work, including any changes thereto, without increase in the Contract Sum.

7.7.3 ETHICS. By signing and entering into this agreement with the Owner, the Contractor represents that it is familiar with all applicable ethics law requirements, including without limitation Sections 102.04 and 3517.13 of the Ohio Revised Code, and certifies that it is in compliance with such requirements. The Contractor understands that failure to comply with the ethics laws is, in itself, grounds for termination of this contract and may result in the loss of other contracts with the Owner.

7.7.4 CONTINUOUS TREATMENT. Federal regulations prohibit by-passing of any sewage during construction operations. The Contractor will be responsible for providing any required temporary pumping facilities piping, etc. necessary to complete the Project without any plant by-passing and continuous treatment must be provided at the same level during construction as existed prior to construction.

Unless otherwise specified in writing, the Contractor shall procure and pay for all permits, licenses and approvals necessary for the execution of this Contract.

The Contractor shall comply with all laws, regulations, ordinances, rules and orders relating to the performance of the work required to complete their Contract.

7.7.5 VIOLATIONS FACILITIES. Contractor agrees to comply with all applicable standards, orders or requirements under Section 306 of the Clean Air Act, 42 USC 1857(h), Section 508 of the Clean Water Act, 33 USC 1368, Executive Order 11738, and EPA regulations, 40 CFR Part 32, which prohibits the use under non-exempt Federal contracts, grants, or loans of facilities included in the EPA List of Violating Facilities.

7.8 JOB MEETINGS. The Contractor or one of its representatives with authority to bind the Contractor will attend all job meetings. The Owner anticipates that job meetings will be scheduled on a weekly basis during construction or as needed. The Contractor will ensure that its Subcontractors also hold regular job meetings at which safety issues and job matters are discussed as these relate to the Work being performed. Job meetings include, but are not limited to, pre-construction meetings, weekly job meetings, weekly safety tool box meetings, and monthly safety meetings.

7.9 PROPERTY TAX AFFIDAVIT. The Contractor's affidavit given under Section 5719.024, Ohio Revised Code, is incorporated herein.

7.10 PARTNERING. Contractor agrees that it will participate, as part of the Contract Sum, in any partnering sessions scheduled by Owner.

7.11 ENTIRE AGREEMENT. This Agreement and the other Contract Documents constitute the entire agreement among the parties with respect to their subject matter and will supersede all prior and contemporaneous, oral or written, agreements, negotiations, communications, representations, and understandings with respect to such subject matter, and no person is justified in relying on such agreements, negotiations, communications, representations, or understandings.

7.12 COUNTERPARTS. This Agreement may be executed in any number of counterparts each of which when so executed and delivered will be an original hereof, and it will not be necessary in making proof of this Agreement to produce or account for more than one counterpart hereof. This Agreement may be executed and delivered by facsimile or via electronic mail.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their properly authorized representatives and agree that this Agreement is effective as of the date first set forth above.

Owner: **The City of Gahanna**	Contractor (as identified on the Contract Terms Sheet)
By: _____	By: _____
Name: **Laurie A. Jadwin**	Name: _____
Title: **Mayor**	Title: _____
Date: _____	Date: _____

By: _____

Name: **Holly Boyer, PE**

Title: **Senior Utilities Engineer**

Date: _____

Approved as to form of Contract and Contract Bond:

By: _____

Name: **Priya D. Tamilarasan**

Title: **City Attorney**

Date: _____

FISCAL OFFICER'S STATEMENT OF AVAILABILITY

(Section 5705.41, R.C.)

I Joann Bury, hereby certify that I am the Director of Finance for the City of Gahanna, Ohio and that the amount of money to wit **$2,312,006.80** required to meet the cost of the attached Contract between the City of Gahanna, Ohio and **Shelly & Sands, Inc**. , has been or will be, prior to the ordering of any materials, lawfully appropriated for the purpose of said Contract and the money so appropriated is on deposit or in process of collection to the credit of the appropriate fund free from any previous encumbrances. Moneys due in excess of the Contract Sum and any Contingency amount assigned thereto shall require an additional and separate Fiscal Officer's Statement of Availability which shall not be given unless the Contract adjustment is directly attributable to one of the express methods for increasing the Contract Sum under the Contract Documents; and, such process is completed in the manner required by the Contract Documents.

Date: _____

Signed: _____

By: Joann Bury

Title: Director of Finance

STATE OF OHIO BUREAU OF WORKER'S COMPENSATION
INSURANCE **CERTIFICATE ATTACHMENT SHEET**

INSURANCE CERTIFICATE ATTACHMENT SHEET

NOTICE OF COMMENCEMENT OF PUBLIC IMPROVEMENT

Section 1311.252, Ohio Revised Code

Notice is hereby given of the commencement of a public improvement as follows:

1. The public improvement is identified as:
   Project Name: **Taylor Road Water Main Replacement, ST-1121**
   Project Location: **Taylor Road, Gahanna, Ohio**

2. The public authority and Owner responsible for the public improvement is:
   City of Gahanna, 200 South Hamilton Road, Gahanna, Ohio 43230

3. The principal contractor and its surety on the public improvement are as follows:
   Principal Contractor: Shelly & Sands Inc., 1515 Harmon Ave. Columbus, OH 43223

   Surety: **Ohio Farmers Insurance P.O. Box 5001, Westfield Center OH 44131 Travelers Casualty and Surety Company of America 6150 Oak Tree Blvd., Suite 500, Independence, OH 44251**

4. The date the City of Gahanna first executed a contract with a principal contractor for this public improvement is: **(DATE)**

5. The name and address of the representative for the City of Gahanna upon whom service may be made for the purposes of serving an affidavit pursuant to Section 1311.26 of the Ohio Revised Code is:
   Holly Boyer, PE, Senior Utilities Engineer
   City of Gahanna, 200 South Hamilton Road, Gahanna, Ohio 43230

The foregoing is true and accurate to the best of my knowledge and the information available to me.

_____

Signature Title

_____

Printed Name

Sworn and subscribed before me this _____ day of _____, 20___.

_____

Notary Public

NOTICE OF AWARD TO CONTRACTOR

To: **Shelly & Sands Inc.**
1515 Harmon Ave.
Columbus, OH 43223

Date:

Project: **Taylor Road Water Main Replacement - ST-1121**

The Owner has considered the Bid submitted by you for the above-described work in response to the Legal Notice dated: **October 24, 2025 & October 31, 2025.**

You are hereby notified that your bid has been accepted for items in the amount of **$2,312,006.80** (Base Bid).

You are required by the Information for Bidders to execute the Contract and furnish the required documents within ten (10) calendar days from the date of this notice to you.

If you fail to execute said Contract within ten (10) days from the date of this notice, Owner may—at its discretion—exercise its rights with respect to your bid guaranty and be entitled to such other rights as may be granted by Law.

You are required to return an acknowledged copy of this Notice of Award to the Owner.

Dated this _____ day of _____, 20___

By:

_____
Holly Boyer, PE
Senior Utilities Engineer

ACCEPTANCE OF NOTICE

Receipt of the above Notice of Award is hereby acknowledged.

Contractor:

This _____ day of _____, 20___

By: _____

Name: _____

Title: _____

NOTICE OF AWARD TO SURETY AND SURETY'S AGENT

Date:

SENT BY REGULAR U.S. MAIL

Surety Company:
Ohio Farms Insurance Company
PO Box 5001
Westfield Center, OH 44131

Surety Agent:
Assured Partners of Ohio, LLC
3900 Kinross Lakes Parkway, Suite 300
Richfield, OH 44286

Re: Notice of Award of Contract

To Whom It May Concern:

You are notified that your principal, **Shelly and Sands, Inc.** has been awarded a contract for the Taylor Road Water Main Replacement, ST-1121 in the amount of **$2,312.006.80**, by the City of Gahanna.

Thank you,

By: _____
Angela Roth
Engineering Program Coordinator

NOTICE TO PROCEED

To: Shelly & Sands Inc.
1515 Harmon Ave
Columbus, OH 43223

Date:

Project: Taylor Road Water Main Replacement, ST-1121

Owner: City of Gahanna
200 South Hamilton Road
Gahanna, Ohio 43230

You are hereby notified to commence Work in accordance with the Agreement dated _____, and you are to complete the Work in the time required by Section 3.2 of the Owner/Contractor Agreement and other Contract Documents. Within ten (10) days from this Notice to Proceed date, you will begin physical, on-site improvements. You are required to return an acknowledged copy of this Notice to Proceed, to the Owner, indicating Acceptance of this Notice to Proceed.

_____
Holly Boyer
Senior Utilities Engineer

ACCEPTANCE OF NOTICE TO PROCEED

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by _____, this the day of _____, 20___.

By: _____

Title: _____

CHANGE ORDER

Order No: _____
Date: _____
Agreement Date: _____

Name of PROJECT: **Taylor Road Water Main Replacement, ST-1121**
OWNER: City of Gahanna, Ohio
CONTRACTOR:

The following changes are hereby made to the CONTRACT DOCUMENTS:

Justification: _____

Change to CONTRACT PRICE: $_____

Original CONTRACT PRICE: $_____

Current CONTRACT PRICE adjusted by previous
CHANGE ORDER $_____

The CONTRACT PRICE due to this CHANGE ORDER will be (increased)
(decreased) by : $_____

The CONTRACT PRICE amount INCLUDING this CHANGE ORDER: $_____

Change to CONTRACT TIME:

The CONTRACT TIME will be (increased) (decreased) by _____
calendar days.

The date for completion of all WORK will be _____(Date)

CONTRACTOR AGREES THAT THIS CHANGE ORDER SHALL CONSTITUTE A FINAL SETTLEMENT OF ALL MATTERS RELATING TO THE CHANGE IN THE WORK THAT IS THE SUBJECT OF THIS CHANGE ORDER, INCLUDING, BUT NOT LIMITED TO, ALL DIRECT, INDIRECT, AND CUMULATIVE COSTS ASSOCIATED WITH SUCH CHANGE AND ALL ADJUSTMENTS TO THE CONTRACT SUM AND THE DATE FOR SUBSTANTIAL COMPLETION.

Contractor's Signature: _____

Owner: _____

Project Administrator: _____

PAYROLL INFORMATION

Date _____

I, _____ (Name of Signatory Party), _____ (Title), do hereby certify:

1. That I pay or supervise the payment of the persons employed by_____ (Contractor) on the **Taylor Road Water Main Replacement, ST-1121** (Project).

2. That during the payroll period commencing on the _____day of _____, 20__, and ending on the _____ day of_____, 20__, all persons employed on said project have been paid in full weekly wages earned; that no rebates have been or will be made either directly or indirectly to or on behalf of said _____(Contractor) from the full weekly wages earned by such persons; and that no deductions have been made either directly or indirectly from the wages earned by such persons, other than permissible deductions which are described below:

_____

_____

_____

3. That any payrolls otherwise under this Contract required for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in the specifications as supplied by the Department of Industrial Relations or any wage determination incorporated into the Contract and that the classifications set forth therein for each laborer or mechanic conform with the work he performed.

4. That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with the Ohio Apprenticeship Council.

5. That:

(a) Where fringe benefits are paid to approved plans, funds, or programs, in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits listed in the Contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in Section 5(c) below; and

(b) Where fringe benefits are paid in cash, each laborer or mechanic listed in the above referenced payroll has been paid as indicated on the payroll, and amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe benefits as listed in the Contract, except as noted in Section 5(c) below:

(c) Exceptions:

Exception (Craft) Explanation

_____

_____

_____

_____

Remarks

_____

Name and Title _____,_____

_____

Signature

The willful falsification of any of the above statements may subject the Contractor or Subcontractor to fines as described in Section 4115.99 of the Ohio Revised Code.

FINAL PAYROLL AFFIDAVIT

I, _____(Name of person signing affidavit), _____ (title),

of the _____, do hereby certify that the wages paid to all employees for the full number of hours worked in connection with the Contract to the Improvement, Repair and Construction of: **Taylor Road Water Main Replacement, ST-1121** during the following period from _____ to _____ is in accordance with the prevailing wages prescribed by the Contract Documents. I further certify that no rebates or deductions for any wages due any person have been directly or indirectly made other than those provided by law.

_____
(Signature of Officer or Agent)

Sworn to and subscribed in my presence this _____ day of _____, 20___.

_____
Notary Public

The above affidavit must be executed and sworn to by the officer or agent or the Contractor or Subcontractor who supervised the payment of employees, before the Owner will release the surety and/or make final payment due under the terms of the Contract.

CONTRACTOR'S PAYMENT APPLICATION CHECKLIST

THE CONTRACTOR MUST COMPLETE THIS CHECKLIST AND SUBMIT IT TO THE DESIGN PROFESSIONAL WITH ITS PAYMENT APPLICATION AND ALL REQUIRED DOCUMENTATION.

1. Contractor's Name: _____

2. Name, title, and telephone and email address of Contractor's representative to contact regarding the Payment Application and required documentation:

   Name: _____ Title: _____

   Office Telephone No.: (____) _____Email Address _____

3. Payment Application Number and Date:

   No. _____ Date: _____, 20___

4. The following is a list of required documentation that must accompany its Payment Application. The Contractor certifies that it has submitted the documentation listed below with its Payment Application. If the Contractor cannot do so, the Contractor should explain why in Paragraph 5. Such explanations shall not excuse the Contractor from the requirements for submitting this documentation.

   _____ .1 Two (2) copies of a properly completed and executed Application for Payment with a properly completed and executed Schedule of Values attached to each;

   _____ .2 Properly Completed Contractor's Affidavit with List of Subcontractors and Suppliers and Any Amounts Withheld;

   _____ .3 Contractor's Wavier and Release Agreement (beginning with the second Application for Payment);

   _____ .4 For each of its Subcontractors and Suppliers, a Subcontractor's – Supplier's Waiver and Release Agreement (beginning with the second Application for Payment);

   _____ .5 Schedule of all materials and equipment stored on-site;

   _____ .6 For materials and equipment stored off-site:

      _____ A list of the materials and equipment consigned and stored off-site in connection with the Project (which shall be clearly identified), giving the place of storage, together with copies of invoices and reasons why the materials and equipment cannot be delivered to the site;

      _____ Certification that all items have been tagged for delivery to the Project and that they will not be used for any other purpose;

      _____ A letter from the Contractor's surety bonding company indicating agreement to the arrangements and that

payment to the Contractor shall not relieve either party of its responsibility to complete the facility;

_____ Evidence of adequate insurance covering the material and equipment in storage, which shall name the Owner as additional insured;

_____ Evidence that the Design Professional has visited the Contractor's place of storage and found that all the materials and equipment set forth in the payment request and represented to be stored off-site are stored at the place of storage (any costs incurred by the Design Professional to inspect material and equipment in off-site storage shall be paid by the Contractor); and

_____ Itemization of the materials and equipment and their cost, which were approved on previous Pay Applications and which remain in off-site storage.

_____ .7 Other documentation or information required by the Contract Documents or by the Design Professional or Owner.

5. Reason why required documentation is not submitted:

_____

_____

_____

_____

_____

_____

NOTE: The failure to submit required documentation, regardless of the reason, may result in non- payment, partial payment, and/or late payment.

_____
Signature

_____
Printed Name

_____
Date

PROJECT ADMINISTRATOR REVIEW

_____ Checklist and documentation complete.

_____ Checklist and documentation incomplete.

_____
Signature

_____
Printed Name

_____
Date

CONTRACTOR'S AFFIDAVIT WITH LIST OF SUBCONTRACTORS AND SUPPLIERS WITH ANY AMOUNTS WITHHELD

PROJECT:
Taylor Road Water Main
Replacement, ST 1121

CONTRACTOR:
_____
_____
_____

STATE OF _____:
: SS,
COUNTY OF _____:

The undersigned after first being sworn swears that a) all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment, b) the Contractor has submitted Subcontractor(s) – Supplier(s) Waiver and Release Agreements for each of its Subcontractors and Suppliers using the form set forth in the Project Manual or as requested by the Design Professional, c) set forth below is a complete list of its Subcontractors and Suppliers, and d) set forth below is a complete description of all amounts withheld from any Subcontractor or Supplier and the reason why. Attach additional sheets if necessary. Contractor certifies that it has self-performed work amounting to not less than 50% of the total contract sum.

Typed or Printed Name of Subcontractor or Supplier	**Address of Subcontractor or Supplier**	**Telephone Number of Subcontractor or Supplier**

WITHHOLDINGS FROM SUBCONTRACTORS AND/OR SUPPLIERS:

Typed or Printed Name of Subcontractor or Supplier	**Amount Withheld**	**Reason for Withholding**

CONTRACTOR: [insert name]

_____

BY: _____
(Signature of authorized representative)

NOTARY PUBLIC

Subscribed and sworn to before me on this date by _____ on behalf of _____.

_____
Signature of Notary Public

Notary Public: _____

My Commission Expires: _____

CONTRACTOR'S WAIVER & RELEASE AGREEMENT

("AGREEMENT")

Project: **Taylor Road Water Main Replacement, ST-1121**

The undersigned hereby acknowledges receipt of payment from the Owner for all Work on the Project through the date of its prior Application for Payment. The undersigned acknowledges and agrees that the terms in this Agreement shall have the same meaning as in the Contract Documents for the Project.

In return for said payment, and/or pursuant to certain contractual obligations of the undersigned, the undersigned hereby waives and releases any rights it has or may have through the date of its last Application for Payment to any and all Claims and liens related to the Project, including without limitation: Claims of payment, mechanic's liens, liens against funds, surety bond Claims, and Claims for breach of contract or unjust enrichment. The sole exception to this waiver and release is for any Claims the undersigned has made by properly and timely submitting a Statement of Claim form. The undersigned acknowledges and agrees that this wavier and release is intended to be a comprehensive release of all Claims and liens related to the Project, including without limitation all Claims against the Owner, the Design Professional, any Construction Manager, and the employees, board members, agents and representatives of any of the foregoing persons. The undersigned further certifies that this Agreement covers Claims and liens by all persons with which it did business related to the Project, including without limitation subcontractors and suppliers, through the date of its last Application for Payment. The undersigned represents that all such persons have signed an agreement in the form of this Agreement releasing any and all Claims and liens related to the Project, except for any Claims made by properly and timely submitting a Statement of Claim form, a copy of which has been delivered to the Design Professional and the Owner. The undersigned hereby represents and warrants that it has paid any and all welfare, pension, vacation or other contributions required to be paid on account of the employment by the undersigned of any laborers on the Project.

This Agreement is for the benefit of, and may be relied upon by the Owner, Design Professional and any Construction Manager. The undersigned hereby agrees to indemnify, defend and hold harmless each of the foregoing, the Project, work or improvement, and real property from any and all Claims, or liens that are or should have been released in accordance with this Agreement.

_____
Company Name

_____
Authorized Signature (Company Officer)

_____
Title

_____
Date

State of: _____ County of _____

Subscribed and sworn to before me this _____ day of _____, 20___.

Notary Public: _____

My Commission Expires: _____

SUBCONTRACTOR'S/SUPPLIER'S WAIVER & RELEASE AGREEMENT

("AGREEMENT")

Project: **Taylor Road Water Main Replacement, ST-1121**

The undersigned hereby acknowledges receipt of payment for all Work on the Project through the date of the prior Application for Payment by the Prime Contractor ("Prime Contractor") with which it has a contract. The undersigned acknowledges and agrees that the terms in this Agreement shall have the same meaning as in the Contract Documents for the Project.

In return for said payment, and/or pursuant to certain contractual obligations of the undersigned, the undersigned hereby waives and releases any rights it has or may have through the date of the Prime Contractor's last Application for Payment and to any and all Claims and liens related to the Project, including without limitation: Claims of payment, mechanic's liens, liens against funds, surety bond Claims, and Claims for breach of contract or unjust enrichment. The sole exception to this waiver and release is for any Claims the undersigned has made by properly and timely submitting a Statement of Claim form, a copy of which the undersigned represents has been delivered to the Owner and the Design Professional. The undersigned acknowledges and agrees that this wavier and release is intended to be a comprehensive release of all Claims and liens related to the Project, including without limitation all Claims against the Prime Contractor, the Prime Contractor's surety, the Owner, the Design Professional, any Construction Manager, and the employees, board members, agents and representatives of any of the foregoing persons. The undersigned further certifies that this Agreement covers Claims and liens by all persons with which it did business related to the Project, including without limitation sub-subcontractors and suppliers, through the date of the Prime Contractor's last Application for Payment. The undersigned represents that all such persons have signed an agreement in the form of this Agreement releasing any and all Claims and liens related to the Project, except for any Claims made by properly and timely submitting a Statement of Claim form, a copy of which has been delivered to the Design Professional and the Owner. The undersigned hereby represents and warrants that it has paid any and all welfare, pension, vacation or other contributions required to be paid on account of the employment by the undersigned of any laborers on the Project.

The undersigned agrees that upon receipt of the payment from the Prime Contractor with respect to the Prime Contractor's current Application for Payment, it shall, upon request of the Prime Contractor, Owner, Design Professional, or any Construction Manager, execute a waiver and release agreement in the form of this Agreement, except that such Agreement shall be current through the date of the Prime Contractor's current Payment Application. The undersigned further agrees that, upon receipt of such payment, it shall execute any other documents requested to cause the prejudicial release of any and all Claims and liens through the date of the Prime Contractor's current Payment Application.

This Agreement is for the benefit of, and may be relied upon by, the Prime Contractor, the Prime Contractor's surety, the Owner, the Design Professional and any Construction Manager. The undersigned hereby agrees to indemnify, defend and hold harmless each of the foregoing: the Project, its Work, and real property from any and all Claims and/or liens that are or should have been released in accordance with this Agreement and from any liability, cost, or expense incurred as a result of any breach of this Agreement by the undersigned.

_____
Company Name

_____
Authorized Signature (Company Officer)

_____
Title

_____
Date

State of: _____ County of _____

Subscribed and sworn to before me this _____ day of _____, 20___.

Notary Public: _____

My Commission Expires: _____

STATEMENT OF CLAIM FORM
Claim No. ___ for Contractor

1. Name of Contractor: _____

2. Date written claim given: _____.

3. Contractor's representative to contact regarding the claim:

   Name: _____ Title: _____
   Telephone No. _____ (office)

   E-mail: _____

4. General description of claim:

_____
_____
_____

5. Contract Documents. If the claim is based upon any part or provision in the Contract Documents, including but not limited to pages in the Drawings and/or paragraphs in the Specifications, Owner-Contractor Agreement, General Conditions or Supplementary General Conditions, state upon which parts or provisions the claim is based:

_____
_____
_____

6. Delay claims:

   6.1 Date delay commenced: _____
   6.2 Duration or expected duration of the delay, if known: _____
   6.3 Apparent cause of the delay and part of critical path affected:

_____
_____
_____

   6.4 Expected impact of the delay and recommendations for minimizing such impact:

_____
_____
_____

7. Additional compensation. Set forth in detail all additional compensation to which the Contractor believes it is entitled with respect to this claim:

_____
_____
_____

8. Instructions for Completing the Statement of Claim Form ("Instructions"). The Instructions are incorporated in this Form.

9. Truth of Claim. By submitting this claim, the Contractor and its representative certify that after conscientious and thorough review and to the best of his or her knowledge and belief a) the Contractor has complied fully with the Instructions, b) the information in this State of Claim is accurate, c) the Contractor is entitled to recover the compensation in paragraph 7, and d) the Contractor has not knowingly presented a false or fraudulent claim. The Contractor by its authorized representative must acknowledge this Statement of Claim before a notary public.

CONTRACTOR: _____

By: _____

Name and Title: _____

Date: _____

CONTRACTOR'S ACKNOWLEDGMENT

State of _____,

County of _____, ss:

_____ first being sworn, states that after conscientious and thorough review, the statements made in attached Statement of Claim Form are complete and true to the best of his or her knowledge and belief.

_____

Sworn to before me a notary public by _____ on _____ __, 20__.

_____
Notary Public

WHEN COMPLETED, FORWARD A COPY OF THIS NOTICE AND STATEMENT OF CLAIM FORM TO THE OWNER AND DESIGN PROFESSIONAL.

STATEMENT OF CLAIM FORM INSTRUCTIONS

1. Completing the Statement of Claim Form ("Claim Form") is a material term of the Contract. The Claim Form tells the Owner and Design Professional that the Contractor is making a Claim and that they need to act promptly to mitigate the effects of the occurrence giving rise to the Claim. The Claim Form also provides them with information so that they can mitigate such effects. The Contractor acknowledges that constructive knowledge of the conditions giving rise to the Claim through job meetings, correspondence, site observations, etc. is inadequate notice, because knowledge of these conditions does not tell the Owner and Design Professional that the Contractor will be making a Claim and most often is incomplete.

2. If the space provided in the Claim Form is insufficient, the Contractor, as necessary to provide complete and detailed information, must attach pages to the Claim Form with the required information.

3. Paragraph 4. The Contractor must state what it wants, *i.e.*, time and/or compensation, and the reason why it is entitled to time and/or compensation.

4. Paragraph 5. The Contractor must identify the exact provisions of the Contract Documents it is relying on in making its Claim. For example, if the Claim is for a change in the scope of the Contractor's Work, the Contractor must identify the specific provisions of the Specifications, and the Plan sheets and details that provide the basis for the scope change.

5. Paragraph 6. This paragraph applies to delay claims, including delays that the Contractor believes result in constructive acceleration. The Contractor must identify the cause of the delay, party or parties responsible, and what the party did or did not do that caused the delay, *i.e.*, specific work activities. The Contractor acknowledges that general statements are not sufficient, and do not provide the Owner with sufficient information to exercise the remedies available to the Owner or to mitigate the effects of the delay.

   For example, if the Contractor claims a slow response time on submittals caused a delay, the Contractor must identify the specific submittals, all relevant dates, and then show on the applicable schedule, by circling or highlighting, the activities immediately affected by the delays. Also for example, if the Contractor claims it was delayed by another Contractor, the Contractor must identify the delaying Contractor, specifically what the delaying Contractor did or did not do that caused the delay, and then show the applicable schedule, by circling or highlighting, the activities immediately affected by the delays. Further by example, if the Contractor seeks an extension of time for unusually severe weather, the Contractor must submit comparative weather data along with a record of the actual weather at the job site and job site conditions.

6. Paragraph 6.4. Time is of the essence under the Contract Documents. If there is a delay, it is important to know what can be done to minimize the impact of the delay. It therefore is important that the Contractor provide specific recommendations on how to do so.

7. Paragraph 7. The Contractor must provide a specific and detailed breakdown of the additional compensation it seeks to recover. For future compensation, the Contractor shall provide its best estimate of such compensation.

8. Paragraph 8 and Acknowledgment. By submitting this Claim, the Contractor and its representative certify that after conscientious and thorough review and to the best of his or her knowledge and belief a) the Contractor has complied fully with the Instructions, b) the information in this Claim Form is accurate, c) the Contractor is entitled to recover the compensation in paragraph 7, and d) the Contractor has not knowingly presented a false or fraudulent claim. The Contractor by its authorized representative must acknowledge this Statement of Claim before a notary public.

END OF INSTRUCTIONS

DESIGN PROFESSIONAL'S
CERTIFICATE OF SUBSTANTIAL COMPLETION

Project: Taylor Road Water Main Replacement, ST-1121	Contract For:
Owner: City of Gahanna 200 South Hamilton Road Gahanna, Ohio 43230	CONTRACTOR: Shelly & Sands 1515 Harmon Ave Columbus, OH 43223

The Design Professional hereby certifies that the Date for Substantial Completion of the Contractor's Work as set forth in the Owner-Contractor Agreement is:

Date:

The Design Professional hereby certifies that the Date for Substantial Completion in the Contractor's Agreement with the Owner (the "Agreement"), as extended by Change Orders and Claims submitted by the Contractor that have been resolved, as defined below, is:

1. Date for Substantial Completion in the Agreement (above): _____
2. Additional days added to Date for Substantial Completion by Change Order: _____
3. Additional days added by Claims that have been Finally Resolved: _____
4. Date for Substantial Completion in the Contract Adjusted by days under No. 2 and No. 3 _____

The Design Professional certifies that the Contractor's Work to the best of the Design Professional's knowledge, information, and belief was Substantially Complete, as Substantial Completion is defined in the Contract Documents, on _____.

The Design Professional hereby certifies that the difference between (a) the Date for Substantial Completion adjusted by the days under No. 2 and No. 3 above and (b) the date the Contractor's Work was Substantially Complete is _____ days.

NOTICES OF DELAY. The Design Professional hereby certifies that all "NOTICES OF DELAY" submitted by the Contractor and described in the General Conditions are attached to this Certificate. This certification is solely for the purpose of identifying all "NOTICES OF DELAY" submitted by the Contractor and is not intended to imply that any of these NOTICES OF DELAY were properly submitted in accordance with Contract Documents or are valid.

STATEMENT OF CLAIM FORMS. The Design Professional hereby certifies that all Statement of Claim Forms described in the General Conditions and submitted by the Contractor are attached to this Certificate. This certification is solely for the purpose of

identifying all Statement of Claim Forms submitted by the Contractor and is not intended to imply that any of these Statement of Claim Forms were properly submitted in accordance with Contract Documents or are valid.

PUNCHLIST ITEMS. A list of items to be completed by the Contractor is attached to this Certificate. The failure to include items on this list does not change the responsibility of the Contractor to complete its Work in accordance with the Contract Documents. The Contractor shall complete all items on the Punchlist in accordance with the Contract Documents.

Security, maintenance, utilities, damage to the Work and insurance are the responsibility of the Owner and the Contractor based on their operations pursuant to final completion of the Work.

Copies of this Certificate were provided to the Contractor and the Owner on _____.

Design Professional: _____

Signature: _____

Date: _____

CITY OF GAHANNA
STANDARD GENERAL CONDITIONS
OF THE CONSTRUCTION CONTRACT

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STANDARD GENERAL CONDITIONS
OF THE CONSTRUCTION CONTRACT

ARTICLE 1—DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

A. Wherever used in the Bidding Requirements or Contract Documents, a term printed with initial or all capital letters, including the term's singular and plural forms, will have the meaning indicated in the definitions below. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.

1. *Addenda*—Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.
2. *Agreement or Owner-Contractor Agreement* —The written instrument, executed by Owner and Contractor, that sets forth the Contract Price and Contract Times, identifies the parties and the Engineer, and designates the specific items that are Contract Documents.
3. *Application for Payment*—The document prepared by Contractor, in a form acceptable to Owner or Engineer, to request progress or final payments, and which is to be accompanied by such supporting documentation as is required by the Contract Documents.
4. *Bid*—The offer of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.
5. *Bidder*—An individual or entity that submits a Bid to Owner.
6. *Bidding Documents*—The Bidding Requirements, the proposed Contract Documents, and all Addenda.
7. *Bidding Requirements*—The Advertisement or invitation to bid, Instructions to Bidders, Bid Bond or other Bid security, if any, the Bid Form, and the Bid with any attachments.
8. *Change Order*—A document which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, or other revision to the Contract, issued on or after the Effective Date of the Contract.
9. *Change Proposal*—A written request by Contractor, duly submitted in compliance with the requirements set forth herein, seeking an adjustment in Contract Price or Contract Times; or seeking other relief with respect to the terms of the Contract.
10. *Claim*

    a. A demand or assertion by Owner directly to Contractor, duly submitted in compliance with the requirements set forth herein, seeking an adjustment of Contract Price or Contract Times; seeking resolution of a contractual issue that Engineer has declined to address; or seeking other relief with respect to the terms of the Contract.

b. A demand or assertion by Contractor directly to Owner, duly submitted in compliance with the requirements set forth herein, seeking an adjustment of Contract Price or Contract Times, or both; or seeking resolution of a contractual issue that Engineer has declined to address.

c. A demand or assertion by Owner or Contractor, duly submitted in compliance with the procedural requirements set forth herein, made pursuant to Paragraph 12.01.A.4, concerning disputes arising after Engineer has issued a recommendation of final payment.

d. A demand for money or services by a third party is not a Claim.

11. *Constituent of Concern—Asbestos, petroleum, radioactive materials, polychlorinated biphenyls (PCBs), hazardous waste, and any substance, product, waste, or other material of any nature whatsoever that is or becomes listed, regulated, or addressed pursuant to (a) the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. §§9601 et seq. ("CERCLA"); (b) the Hazardous Materials Transportation Act, 49 U.S.C. §§5501 et seq.; (c) the Resource Conservation and Recovery Act, 42 U.S.C. §§6901 et seq. ("RCRA"); (d) the Toxic Substances Control Act, 15 U.S.C. §§2601 et seq.; (e) the Clean Water Act, 33 U.S.C. §§1251 et seq.; (f) the Clean Air Act, 42 U.S.C. §§7401 et seq.; or (g) any other federal, state, or local statute, law, rule, regulation, ordinance, resolution, code, order, or decree regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material*.

12. *Contract*—The entire and integrated written contract between Owner and Contractor concerning the Work. Subject to addenda and change orders, the Contract supersedes prior negotiations, representations, or agreements whether written or oral.

13. *Contract Documents*—Those items so designated in the Agreement, and which together comprise the Contract. Unless otherwise separately agreed in writing by the Owner, only printed or hard copies of the items in the Agreement are contract Documents. Approved Shop Drawings, other Contractor's submittals, and the reports and drawings of the subsurface and physical conditions are not Contract Documents.

14. *Contract Price*—The money that Owner has agreed to pay Contractor for completion of the Work in accordance with the Contract Documents, as stated in the Agreement.

15. *Contract Times*—The number of days or the dates as stated in the Agreement by which Contractor shall: (a) achieve Milestones, if any; (b) achieve Substantial Completion; and (c) complete the Work so that it is ready for final payment.

16. *Contractor*—The individual or entity with which Owner has contracted for performance of the Work and has entered into the Agreement.

17. *Cost of the Work*—See Paragraph 13.01 for definition.

18. *Day or Days* – For the purposes of this Agreement, unless otherwise noted herein, the term "day" or "days" shall mean business days. However, should the term day or days be in reference to a timeframe exceeding 30 days, the day or days shall be considered calendar days unless otherwise noted herein.

19. *Design Professional* – architects, engineers, designers, and others whose services have traditionally be considered "professional" activities, requiring licensure or registration by the state, or otherwise, require the knowledge and application of design principles appropriate to the Project.

20. *Drawings*—The part of the Contract that graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.

21. *Effective Date of the Contract*—The date indicated in the Agreement on which the Contract becomes effective.

22. *Electronic Document*—Any Project-related correspondence, attachments to correspondence, data, documents, drawings, information, or graphics, including but not limited to Shop Drawings and other Submittals, that are in an electronic or digital format.

23. *Electronic Means*—Electronic mail (email), upload/download from a secure Project website, or other communications methods that allow: (a) the transmission or communication of Electronic Documents; (b) the documentation of transmissions, including sending and receipt; (c) printing of the transmitted Electronic Document by the recipient; (d) the storage and archiving of the Electronic Document by sender and recipient; and (e) the use by recipient of the Electronic Document for purposes permitted by this Contract. Electronic Means does not include the use of text messaging, or of Facebook, Twitter, Instagram, or similar social media services for transmission of Electronic Documents.

24. *Engineer*—The individual or entity identified in the Agreement. If no Engineer is named for the Project, all references to Engineer shall mean Owner Engineer may also be referred as the "Design Professional".

25. *Estimate Of Cost* -- The total estimated construction cost for the base bid Work on the Project for which bids are being solicited at this time is set forth in the Coversheet.

26. *Field Order*—A written order issued by Engineer which requires minor changes in the Work but does not change the Contract Price or the Contract Times.

27. *General Requirements* – Sections of Division 1 of the Specifications. The General Requirements pertain to all sections of the Specifications.

28. *Hazardous Environmental Condition*—The presence at the Site of Constituents of Concern in such quantities or circumstances that may present a danger to persons or property exposed thereto.

    a. The presence at the Site of materials that are necessary for the execution of the Work, or that are to be incorporated into the Work, and that are controlled and contained pursuant to industry practices, Laws and Regulations, and the requirements of the Contract, is not a Hazardous Environmental Condition.

    b. The presence of Constituents of Concern that are to be removed or remediated as part of the Work is not a Hazardous Environmental Condition.

    c. The presence of Constituents of Concern as part of the routine, anticipated, and obvious working conditions at the Site, is not a Hazardous Environmental Condition.

29. *Laws and Regulations; Laws or Regulations*—Any and all applicable laws, statutes, rules, regulations, ordinances, codes, and binding decrees, resolutions, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

30. *Liens*—Charges, security interests, or encumbrances upon Contract-related funds, real property, or personal property.

31. *Milestone*—A principal event in the performance of the Work that the Contract requires Contractor to achieve by an intermediate completion date, or by a time prior to Substantial Completion of all the Work.

32. *Notice of Award*—The written notice by Owner to a Bidder of Owner's acceptance of the Bid.

33. *Notice to Proceed*—A written notice by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work.

34. *Owner*—The individual or entity with which Contractor has contracted regarding the Work, and which has agreed to pay Contractor for the performance of the Work, pursuant to the terms of the Contract. The Owner is the City of Gahanna, Ohio.

35. *Progress Schedule*—A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising Contractor's plan to accomplish the Work within the Contract Times. The Progress Schedule may also be referred to as the Construction Schedule.

36. Pr*oject Manual*—The written documents prepared for, or made available for, procuring and constructing the Work, including but not limited to the Bidding Documents or other construction procurement documents, geotechnical and existing conditions information, the Agreement, bond forms, General Conditions, Modified General Conditions, and Specifications. The contents of the Project Manual may be bound in one or more volumes.

37. *Project*—The total undertaking to be accomplished for Owner by engineers, contractors, and others, including planning, study, design, construction, testing, commissioning, and start-up, and of which the Work to be performed under the Contract Documents is a part.

38. *Resident Project Representative*—The authorized representative of Engineer assigned to assist Engineer at the Site. As used herein, the term Resident Project Representative (RPR) includes any assistants or field staff of Resident Project Representative.

39. *Samples*—Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and that establish the standards by which such portion of the Work will be judged.

40. *Schedule of Submittals*—A schedule, prepared and maintained by Contractor, of required submittals and the time requirements for Engineer's review of the submittals. If the Owner or Engineer prepares a Bid Schedule breaking the Work down into estimated quantities (pay items) for the purpose of bidding the Work, the Schedule of Values shall be the Bid Schedule. If there is any part of the Work that is not identified in the Bid Schedule, such part shall be deemed incidental to Work identified in the Bid Schedule.

41. *Schedule of Values*—For non-unit price items, a schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

42. *Shop Drawings*—All drawings, diagrams, illustrations, schedules, and other data or information that are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work. Shop Drawings, whether approved or not, are not Drawings and are not Contract Documents.

43. *Site*—Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements, and such other lands or areas furnished by Owner which are designated for the use of Contractor.

44. *Specifications*—The part of the Contract that consists of written requirements for materials, equipment, systems, standards, and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable to the Work.

45. *Subcontractor*—An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work.

46. *Successful Bidder* – The Bidder whose Bid the Owner accepts, and to which the Owner makes an award of contract, subject to stated conditions.

47. *Submittal*—A written or graphic document, prepared by or for Contractor, which the Contract Documents require Contractor to submit to Engineer, or that is indicated as a Submittal in the Schedule of Submittals accepted by Engineer. Submittals may include Shop Drawings and Samples; schedules; product data; Owner-delegated designs; sustainable design information; information on special procedures; testing plans; results of tests and evaluations, source quality-control testing and inspections, and field or Site quality-control testing and inspections; warranties and certifications; Suppliers' instructions and reports; records of delivery of spare parts and tools; operations and maintenance data; Project photographic documentation; record documents; and other such documents required by the Contract Documents. Submittals, whether or not approved or accepted by Engineer, are not Contract Documents. Change Proposals, Change Orders, Claims, notices, Applications for Payment, and requests for interpretation or clarification are not Submittals.

48. *Substantial Completion*—The time at which the Work (or a specified part thereof) has progressed to the point where, in the sole and exclusive opinion of Owner, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Work refer to Substantial Completion of such Work. Substantial Completion is further defined as (i) that degree of completion of the Project's operating facilities or systems sufficient to provide Owner the full time, uninterrupted, and continuous beneficial operation of the Work; and (ii) all required functional performance, and acceptance or start up testing has been successfully demonstrated for all components, devices, equipment, and instrumentation and control to the sole and exclusive satisfaction of Owner in accordance with the requirements of the Specifications.

49. *Successful Bidder*— The Bidder whose Bid the Owner accepts, and to which the Owner makes an award of contract, subject to stated conditions.

50. *Supplementary Conditions*—The part of the Contract Documents that amends or supplements these General Conditions. If additional supplements are included in the Contract Documents, they may be in the form of Supplementary or Special Conditions.

51. *Supplier*—A manufacturer, fabricator, supplier, distributor, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or a Subcontractor.

52. *Technical Data*

    a. Those items expressly identified as Technical Data in the Supplementary Conditions, with respect to either (1) existing subsurface conditions at or adjacent to the Site, or existing physical conditions at or adjacent to the Site including existing surface or subsurface structures (except Underground Facilities) or (2) Hazardous Environmental Conditions at the Site.

    b. If no such express identifications of Technical Data have been made with respect to conditions at the Site, then Technical Data is defined, with respect to conditions at the Site under Paragraphs 5.03, 5.04, and 5.06, as the data contained in boring logs, recorded measurements of subsurface water levels, assessments of the condition of subsurface facilities, laboratory test results, and other factual, objective information regarding conditions at the Site that are set forth in any geotechnical, environmental, or other Site or facilities conditions report prepared for the Project and made available to Contractor.

    c. Information and data regarding the presence or location of Underground Facilities are not intended to be categorized, identified, or defined as Technical Data, and instead Underground Facilities are shown or indicated on the Drawings.

52. *Underground Facilities*—All active or not-in-service underground lines, pipelines, conduits, ducts, encasements, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or systems at the Site, including but not limited to those facilities or systems that produce, transmit, distribute, or convey telephone or other communications, cable television, fiber optic transmissions, power, electricity, light, heat, gases, oil, crude oil products, liquid petroleum products, water, steam, waste, wastewater, storm water, other liquids or chemicals, or traffic or other control systems. An abandoned facility or system is not an Underground Facility.

54. *Unit Price Work*—Work to be paid for on the basis of unit prices.

55. *Work*—The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction; furnishing, installing, and incorporating all materials and equipment into such construction; and may include related services such as testing, start-up, and commissioning, all as required by the Contract Documents.

56. *Work Change Directive*—A written directive to Contractor issued on or after the Effective Date of the Contract, signed by Owner and recommended by Engineer, ordering an addition, deletion, or revision in the Work or responding to the differing or unforeseen subsurface or physical conditions under which the Work is to be

performed or to respond to emergencies. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the change ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change order following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Times

Should the Work Change Directive be required as a result of Contractor's negligence or omission, the Contractor agrees to bear the costs of any work to correct its negligence or omission with no additional cost to the Owner nor any additional time to the schedule.

1.02 *Terminology*

A. The words and terms discussed in Paragraphs 1.02.B, C, D, and E are not defined terms that require initial capital letters, but, when used in the Bidding Requirements or Contract Documents, have the indicated meaning.

B. *Intent of Certain Terms or Adjectives*: The Contract Documents include the terms "as allowed," "as approved," "as ordered," "as directed" or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives "reasonable," "suitable," "acceptable," "proper," "satisfactory," or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action, or determination will be solely to evaluate, in general, the Work for compliance with the information in the Contract Documents and with the design concept of the Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility contrary to the provisions of Article 10 or any other provision of the Contract Documents.

C. *Day*: The word "day" means a day of twenty-four (24) hours measured from midnight to the next midnight.

D. *Defective*: The word "defective," when modifying the word "Work," refers to Work that is unsatisfactory, faulty, or deficient in that it:

1. does not conform to the Contract Documents;

2. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents; or

3. has been damaged prior to Engineer's recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 15.03 or Paragraph 15.04).

E. *Furnish, Install, Perform, Provide*

1. The word "furnish," when used in connection with services, materials, or equipment, means to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.

2. The word "install," when used in connection with services, materials, or equipment, means to put into use or place in final position said services, materials, or equipment complete and ready for intended use.

3. The words “perform” or “provide,” when used in connection with services, materials, or equipment, means to furnish and install said services, materials, or equipment complete and ready for intended use.

4. If the Contract Documents establish an obligation of Contractor with respect to specific services, materials, or equipment, but do not expressly use any of the four words “furnish,” “install,” “perform,” or “provide,” then Contractor shall furnish and install said services, materials, or equipment complete and ready for intended use.

F. *Contract Price or Contract Times*: References to a change in “Contract Price or Contract Times” or “Contract Times or Contract Price” or similar, indicate that such change applies to (1) Contract Price, (2) Contract Times, or (3) both Contract Price and Contract Times, as warranted, even if the term “or both” is not expressed.

G. Unless stated otherwise in the Contract Documents, words or phrases that have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

ARTICLE 2—PRELIMINARY MATTERS

2.01 *Delivery of Performance and Payment Bonds; Evidence of Insurance*

A. *Performance and Payment Bonds*: When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner the performance bond and payment bond (if the Contract requires Contractor to furnish such bonds).

B. *Evidence of Contractor’s Insurance*: When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner, with copies to each additional insured (as identified in the Contract), the Owner approved copies of certificates, endorsements, and other evidence of insurance required to be provided by Contractor in accordance with Article 6, except to the extent the City of Gahanna Standard General Conditions expressly establish other dates for delivery of specific insurance policies.

2.02 *Copies of Documents*

A. Owner shall furnish to Contractor one fully executed Agreement in paper format upon request.

2.03 *Before Starting Construction*

A. *Preliminary Schedules*: Within ten (10) business days after the Effective Date of the Contract (or as otherwise required by the Contract Documents), Contractor shall submit to Engineer for timely review:

1. a preliminary Progress Schedule indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract;

2. a preliminary Schedule of Submittals; and

3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work. The total of the schedule of values prepared for the Work, as required by the

General Conditions, shall not exceed the Bid submitted for the Work, unless such amount is adjusted as provided in the Contract Documents.

B. The Contractor shall prepare the Progress Schedule within ten (10) business days of the date of the Notice to Proceed. The Progress Schedule shall include and be consistent with any applicable Milestone Dates in the Construction Documents. The Contractor shall prepare all Progress Schedules in CPM format unless provided otherwise in the Contract Document or otherwise agreed in writing by the Owner. The Progress Schedule is for coordinating the timing, phasing, and sequence of the Work of the contractors and shall not change or modify the date for Substantial Completion. The date for Substantial Completion shall only be changed or modified by Change Order, other Modification, or a Claim that is finally resolved, regardless of the date in the Proposed Schedule.

1. The Contractor shall update the Progress Schedule each month. In preparing and updating the Progress Schedule, the Contractor shall take into consideration but not be bound by the scheduling and other information submitted by the other contractors and subcontractors.

2. The Progress Schedule shall be manpower loaded and shall include a schedule of the submission of Shop Drawings, Product Data, and Samples.

3. The Contractor shall, on a weekly basis, prepare and submit to the Engineer a written report describing the activities begun or finished during the preceding week, Work in progress, expected completion of the Work, a look-ahead projection of all activities to be started or finished in the upcoming two (2) weeks, including without limitation the Contractor's workforce crew size and total resource hours associated with such Work and any other information requested by the Engineer.

4. The float in the Progress Schedule and any updates to it shall belong to the Owner. Float shall mean the amount of time by which activities may be delayed without affecting the Contract date for Substantial Completion.

5. Should the schedule change in any material manner, as solely determined by the Engineer, the Contractor shall, without additional costs to the project, notify the residents and business owners immediately proximate to the project of the schedule change via door hangers or other appropriate methods as determined by the Engineer.

C. The Contractor's obligation to furnish requested scheduling information is a material term of its Contract. If the Contractor fails to furnish requested scheduling information in writing within ten (10) business days of a request for such information from the Design Professional or Owner, the Contractor shall pay and the Owner may withhold from the Contractor Liquidated Damages at the rate of One Hundred Dollars ($100.00) a day for each calendar day thereafter that the Contractor fails to furnish the requested information.

D. THE PERIODS OF TIME IN THE PROJECT CONSTRUCTION SCHEDULE ARE OF THE ESSENCE TO THIS CONTRACT. THE CONTRACTOR SHALL PROSECUTE ITS WORK IN ACCORDANCE WITH THE CURRENT PROJECT CONSTRUCTION SCHEDULE.

2.04 *Preconstruction Conference; Designation of Authorized Representatives*

A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding

among the parties as to the Work, and to discuss the schedules referred to in Paragraph 2.03.A, procedures for handling Shop Drawings, Samples, and other Submittals, processing Applications for Payment, electronic or digital transmittals, and maintaining required records.

B. At this conference Owner and Contractor each shall designate, in writing, a specific individual to act as its authorized representative with respect to the services and responsibilities under the Contract. Such individuals shall have the authority to transmit and receive information, render decisions relative to the Contract, and otherwise act on behalf of each respective party.

2.05 *Initial Acceptance of Schedules*

A. At least ten (10) business days before submission of the first Application for Payment a conference, attended by Contractor, Engineer, and others as appropriate, will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with Paragraph 2.03.A. Contractor shall have an additional ten (10) business days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.

1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or progress of the Work, nor interfere with or relieve Contractor from Contractor's full responsibility therefor.

2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.

3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to the component parts of the Work. Once approved by the Engineer, the Contractor will not change the allocation of the Contract Price to the component parts of the Work without the Engineer's written approval. The Engineer thereafter may from time to time require the Contractor to adjust such schedule if the Engineer determines it to be in any way unreasonable or inaccurate. The Contractor then shall adjust the schedule of values as required by the Engineer within ten (10) business days.

2.06 *Electronic Transmittals*

A. Except as otherwise stated elsewhere in the Contract, the Owner, Engineer, and Contractor may send, and shall accept, Electronic Documents transmitted by Electronic Means.

B. If the Contract does not establish protocols for Electronic Means, then Owner, Engineer, and Contractor shall jointly develop such protocols.

C. Subject to any governing protocols for Electronic Means, when transmitting Electronic Documents by Electronic Means, the transmitting party makes no representations as to long-term compatibility, usability, or readability of the Electronic Documents resulting from the recipient's use of software application packages, operating systems, or computer hardware differing from those used in the drafting or transmittal of the Electronic Documents.

ARTICLE 3—CONTRACT DOCUMENTS: INTENT, REQUIREMENTS, REUSE

3.01 *Intent*

A. The Contract Documents are complementary; what is required by one Contract Document is as binding as if required by all.

B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents.

C. Unless otherwise stated in the Contract Documents, if there is a discrepancy between the electronic versions of the Contract Documents (including any printed copies derived from such electronic versions) and the printed record version, the printed record version will govern.

D. The Contract supersedes prior negotiations, representations, and agreements, whether written or oral.

E. Owner and/or Engineer will issue clarifications and interpretations of the Contract Documents as provided herein.

F. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation will be deemed stricken, and all remaining provisions will continue to be valid and binding upon Owner and Contractor, which agree that the Contract Documents will be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

G. Nothing in the Contract Documents creates:

1. any contractual relationship between Owner or Engineer and any Subcontractor, Supplier, or other individual or entity performing or furnishing any of the Work, for the benefit of such Subcontractor, Supplier, or other individual or entity; or

2. any obligation on the part of Owner or Engineer to pay or to see to the payment of any money due any such Subcontractor, Supplier, or other individual or entity, except as may otherwise be required by Laws and Regulations.

3.02 *Reference Standards*

A. *Standards Specifications, Codes, Laws and Regulations*

1. Reference in the Contract Documents to standard specifications, manuals, reference standards, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, means the standard specification, manual, reference standard, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Contract if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.

2. No provision of any such standard specification, manual, reference standard, or code, and no instruction of a Supplier, will be effective to change the duties or responsibilities of Owner, Contractor, or Engineer from those set forth in the part of the Contract Documents prepared by or for Engineer. No such provision or instruction shall be effective to assign to Owner or Engineer any duty or authority to supervise or direct the performance of the Work, or any duty or authority to undertake responsibility inconsistent with the provisions of the part of the Contract Documents prepared by or for Engineer.

3.03 *Reporting and Resolving Discrepancies*

A. *Reporting Discrepancies*

1. *Contractor's Verification of Figures and Field Measurements*: In addition to its obligations under the Instructions to Bidders, before undertaking each part of the Work, Contractor shall carefully study the Contract Documents, and check and verify pertinent figures and dimensions therein, particularly with respect to applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy that Contractor discovers, or has actual knowledge of, and shall not proceed with any Work affected thereby until the conflict, error, ambiguity, or discrepancy is resolved by a clarification or interpretation by Owner, or by an amendment or supplement to the Contract issued pursuant to Paragraph 11.01.

2. *Contractor's Review of Contract Documents*: If, before or during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents, or between the Contract Documents and (a) any applicable Law or Regulation, (b) actual field conditions, (c) any standard specification, manual, reference standard, or code, or (d) any instruction of any Supplier, then Contractor shall promptly report it to the Owner and Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 7.15) until the conflict, error, ambiguity, or discrepancy is resolved, by a clarification or interpretation by Engineer, or by an amendment or supplement to the Contract issued pursuant to Paragraph 11.01.

3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor had actual knowledge thereof or Contractor failed to perform its obligations under the Instructions to Bidders.

4. In addition to its obligations under the Information and Requirements for Bidders, if Contractor proceeds with work that Contractor had actual knowledge or should have known that a conflict, error, ambiguity, or discrepancy existed as indicated above, correction of work constructed without such notification to Engineer shall be at Contractor's expense, (except in an emergency as authorized pursuant to the terms of the contract).

B. *Resolving Discrepancies*

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the part of the Contract Documents prepared by or for Engineer take precedence in resolving any conflict, error, ambiguity, or discrepancy between such provisions of the Contract Documents and:

   a. the provisions of any standard specification, manual, reference standard, or code, or the instruction of any Supplier (whether or not specifically incorporated by reference as a Contract Document); or

   b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

2. Within the Contract Documents, requirements of the Agreement shall take precedence over the Modified General Conditions, which shall take precedence over the Specifications, which shall take precedence over the Drawings.

3. Within a particular Contract Document, figure dimensions on Drawings shall take precedence over general Drawings. Specific instructions or specifications shall take precedence over general instructions or specifications.

3.04 *Requirements of the Contract Documents*

A. During the performance of the Work and until final payment, Contractor shall submit to the Engineer in writing all matters in question concerning the requirements of the Contract Documents (sometimes referred to as requests for information or interpretation—RFIs), or relating to the acceptability of the Work under the Contract Documents, as soon as possible after such matters arise. Engineer will be the initial interpreter of the requirements of the Contract Documents, and judge of the acceptability of the Work.

B. Engineer will, with reasonable promptness, render a written clarification, interpretation, or decision on the issue submitted, or initiate an amendment or supplement to the Contract Documents. Engineer's written clarification, interpretation, or decision will be final and binding on Contractor, unless it appeals filing a Claim in accordance with the procedural requirements in the Contract Documents.

C. . If Owner and Contractor are unable to agree on resolution of such a matter in question, either party may pursue resolution as provided in Article 12.

3.05 *Reuse of Documents*

A. Contractor and its Subcontractors and Suppliers shall not:

1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or its consultants, including electronic media versions, or reuse any such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaptation by Engineer; or

2. have or acquire any title or ownership rights in any other Contract Documents, reuse any such Contract Documents for any purpose without Owner's express written consent, or violate any copyrights pertaining to such Contract Documents.

B. The prohibitions of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein precludes Contractor from retaining copies of the Contract Documents for record purposes.

ARTICLE 4—COMMENCEMENT AND PROGRESS OF THE WORK

4.01 *Commencement of Contract Times; Notice to Proceed*

A. The Contract Times will commence to run on the Effective Date of the Contract or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within sixty (60) days after the date bids are received for the Project. In no event will the Contract Times commence to run later than the sixtieth (60^{th}) day after the day of Bid opening unless mutually agreed to by the Owner and the Contractor.

4.02 *Starting the Work*

A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work may be done at the Site prior to such date.

4.03 *Reference Points*

A. Should the Owner determine that a survey is required, the Owner shall provide engineering surveys to establish reference points for construction which in the Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

4.04 *Progress Schedule*

A. Contractor shall adhere to the Construction Schedule established in accordance with the Contract Documents.

1. The Date for Substantial completion shall be changed or modified only by Change Order, other written Modification, or a Claim that Finally Resolved, regardless of the date in the Construction Schedule.

B. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or disagreements with Owner. No Work will be delayed or postponed pending resolution of any disputes or disagreements, or during any appeal process, except as permitted by Paragraph 16.04, or as Owner and Contractor may otherwise agree in writing.

C. The float in the Progress Schedule and any updates to it shall belong to Owner. Float shall mean the amount of time by which activities may be delayed without affecting the Contract Date for Substantial Completion.

D. The Contractor's obligation to Furnish scheduling information is a material term of its Contract. If the Contractor fails to furnish requested scheduling information in writing within five (5) days of a request for such information from the Engineer or Owner, the Contractor shall pay and the Owners may withhold from the Contractor, Liquidated Damages at the rate of one-hundred ($100) dollars per day for each calendar day thereafter that the Contractor fails to furnish the requested information.

E. THE PERIODS OF TIME IN THE PROJECT CONSTRUCTION SCHEDULE ARE OF THE ESSENCE TO THIS CONTRACT. THE CONTRACTOR SHALL PROSECURE ITS WORK IN ACCORDANCE WITH THE CURRENT PROJECT CONSTRUCTION SCHEDULE.

4.05 *Delays in Contractor's Progress*

A. Excusable, Compensable Delays: Unless otherwise provided in the agreed upon schedule or due to an imminent and unforeseen safety issue, if Owner, Engineer, or anyone for whom Owner is responsible, delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times.

B. Non-Excusable Delays: Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delay, disruption, or interference caused by or within the control of Contractor. Delay, disruption, and interference attributable to and within the control of a Subcontractor or Supplier shall be deemed to be within the control of Contractor.

C. Excusable, Non-Compensable Delays: If Contractor's performance or progress is delayed, disrupted, or interfered with by unanticipated causes not the fault of and beyond the control of Owner, Contractor, and those for which they are responsible, then Contractor shall be entitled to an equitable adjustment in Contract Times. Such an adjustment will be Contractor's sole and exclusive remedy for the delays, disruption, and interference described in this paragraph. Causes of delay, disruption, or interference that may give rise to an adjustment in Contract Times under this paragraph include but are not limited to the following:

1. Severe and unavoidable natural catastrophes such as fires, floods, pandemics, epidemics, and earthquakes;
2. weather conditions as provided in Paragraph 4.05;
3. Acts or failures to act of third-party utility owners or other third-party entities (other than those third-party utility owners or other third-party entities performing other work at or adjacent to the Site as arranged by or under contract with Owner, as contemplated in Article 8); and
4. Acts of war or terrorism.

D. Contractor's entitlement to an adjustment of Contract Times or Contract Price is limited as follows:

1. Contractor's entitlement to an adjustment of the Contract Times is conditioned on the delay, disruption, or interference adversely affecting an activity on the critical path to completion of the Work, as of the time of the delay, disruption, or interference.
2. Contractor shall not be entitled to an adjustment in Contract Price for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor. Such a concurrent delay by Contractor shall not preclude an adjustment of Contract Times to which Contractor is otherwise entitled.
3. Adjustments of Contract Times or Contract Price are subject to the provisions of Article 11.
4. However, Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for any delay, disruption, or interference if such delay is concurrent with a delay, disruption, or interference caused by or within the control of Contractor.

E. Each Contractor request or Change Proposal seeking an increase in Contract Times or Contract Price must be supplemented by supporting data that sets forth in detail the following:

1. The circumstances that form the basis for the requested adjustment;
2. The date upon which each cause of delay, disruption, or interference began to affect the progress of the Work;
3. The date upon which each cause of delay, disruption, or interference ceased to affect the progress of the Work;
4. The number of days' increase in Contract Times claimed as a consequence of each such cause of delay, disruption, or interference; and

5. The impact on Contract Price, in accordance with the provisions of Paragraph 11.07.

Contractor shall also furnish such additional supporting documentation as Owner or Engineer may require including, where appropriate, a revised progress schedule indicating all the activities affected by the delay, disruption, or interference, and an explanation of the effect of the delay, disruption, or interference on the critical path to completion of the Work.

F. Delays, disruption, and interference to the performance or progress of the Work resulting from the existence of a differing subsurface or physical condition, an Underground Facility that was not shown or indicated by the Contract Documents, or not shown or indicated with reasonable accuracy, and those resulting from Hazardous Environmental Conditions, are governed by Article 5, together with the provisions of Paragraphs 4.05.D and 4.05.E.

G. Paragraph 8.03 addresses delays, disruption, and interference to the performance or progress of the Work resulting from the performance of certain other work at or adjacent to the Site.

H. Weather Delays. When the Contractor is prevented from completing any part of the Work on the critical path within the Contract Time due to weather conditions, if a Change Proposal is made therefor as provided in the Contract, the Contract Times will be extended by one (1) day for each workday lost due to weather that delays Work on the critical path in excess of those in the following table:

Month	Workdays Lost Due to Weather
January	8
February	8
March	7
April	6
May	5
June	5
July	4
August	4
September	5
October	5
November	5

I. The Contractor acknowledges and agrees that the Owner and/or parties in privity of contract with the Owner may delay, interfere with and/or disrupt the Contractor's Work, and such actions shall not constitute a breach of contract by the Owner, since the Contractor is entitled to additional compensation by properly pursuing a Change Proposal and Claim as permitted by these Modified General Conditions. Pending the final resolution of a Claim, the Contractor shall continue performance of the Work.

J. If the Owner determines that the performance of the Work has not progressed such that it is likely that the Contractor will not substantially complete its Work by its Date for Substantial Completion based upon the Contractor's failure to achieve specific milestone dates contained within the Progress Schedule, the Owner shall have the right to order the Contractor to take corrective measures necessary to expedite the Work, including, without limitation: (a) working additional shifts or overtime; (ii) supplying additional manpower, equipment, and facilities; and (iii) other similar measures (collectively referred to as "Corrective Measures"). If the Owner orders the Contractor to take such corrective measures, and regardless of any claims, disputes or objections, the Contractor shall take and continue such Corrective Measures until the Owner is satisfied that the Contractor is likely to substantially complete its Work by its Date for Substantial Completion

1. The Contractor shall not be entitled to adjustment in the Contract Sum in connection with the Corrective Measures required by the Owner pursuant to Paragraph 4.05(J), unless the Contractor is able to establish that it is entitled to additional compensation under other terms of the Contract Documents.

ARTICLE 5—SITE; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS

5.01 *Availability of Lands*

A. Owner shall furnish the Site. Owner shall notify Contractor in writing of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work.

B. Upon reasonable written request, Owner shall furnish Contractor with Notice of Commencement prepared for the Project, conforming to the provisions of Ohio Revised Code Section 1311.252.

C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

D. Contractor shall not use adjacent sites, streets or land outside the Project limits unless Engineer has provided written authorization after reviewing the site-specific locations of that use. Contractor must follow dates, times, area restrictions, as approved by Engineer. Contractor shall be responsible for, and the Owners may withhold from the Contractor, Liquidated Damages at the rate of one-hundred ($100) dollars per day for each calendar day in violation of this provision.

5.02 *Use of Site and Other Areas*

A. *Limitation on Use of Site and Other Areas*

1. Contractor shall confine construction equipment, temporary construction facilities, the storage of materials and equipment, and the operations of workers to the Site, adjacent areas that Contractor has arranged to use through construction easements or otherwise, and other adjacent areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and such other adjacent areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for (a) damage to the Site; (b) damage to any such other adjacent areas used for Contractor's operations; (c) damage to any other adjacent land or areas, or to improvements, structures, utilities, or similar facilities located at such adjacent lands or areas; and (d) for injuries and losses sustained by the owners or occupants of any such land or areas; provided that such damage or injuries result from the performance of the Work or from other actions or conduct of the Contractor or those for which Contractor is responsible.

2. If a damage or injury claim is made by the owner or occupant of any such land or area because of the performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible, Contractor shall (a) take immediate corrective or remedial action as required by Paragraph 7.13, or otherwise; (b) promptly attempt to settle the claim as to all parties through negotiations with such owner or occupant, or otherwise resolve the claim by arbitration or other dispute resolution proceeding, or in a court of competent jurisdiction; and (c) to the fullest extent permitted by Laws and Regulations, indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against any such claim, and against all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused directly or indirectly, in whole or in part by, alleged to have been caused by, or based upon, Contractor's performance of the Work, or because of other actions or conduct of the Contractor or those for which Contractor is responsible.

B. *Removal of Debris During Performance of the Work*: During the progress of the Work the Contractor shall keep the Site and other adjacent areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris will conform to applicable Laws and Regulations.

After receiving written notice from the Owner of excessive debris at the Site, should the Contractor fail to keep the Site free of debris including dirt and stone the Owner, at its sole discretion, may perform cleaning services and deduct the costs of those services from the contract price.

C. *Cleaning*: Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site and adjacent areas all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

D. *Loading of Structures*: Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent structures or land to stresses or pressures that will endanger them.

5.03 *Subsurface and Physical Conditions*

A. *Reports and Drawings*: The Agreement identify:

1. Those reports of explorations and tests of subsurface conditions at or adjacent to the Site that contain Technical Data;

2. Those drawings of existing physical conditions at or adjacent to the Site, including those drawings depicting existing surface or subsurface structures at or adjacent to the Site (except Underground Facilities), that contain Technical Data; and

3. Technical Data contained in such reports and drawings.

C. *Reliance by Contractor on Technical Data*: Contractor may rely upon the accuracy of the Technical Data contained in such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely upon the accuracy of the Technical Data as defined in Paragraph 1.01.A.46.b.

D. *Limitations of Other Data and Documents*: Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto;

2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings;

3. the contents of other Site-related documents made available to Contractor, such as record drawings from other projects at or adjacent to the Site, or Owner's archival documents concerning the Site; or

4. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions, or information. For example, interpolations and extrapolations of Technical data performed by Contractor to estimate locations or quantities of subsurface strata are independent factual assumptions which Owner does not warrant.

E. It is possible that there may be other reports and/or tests of subsurface conditions at or contiguous to the Site. The Owner makes no representation about such reports and/or tests, assuming they exist. For example, all interpolations and extrapolations of data performed by Contractor to estimate locations or quantities of subsurface strata are independent factual assumptions, which Owner does not warrant.

5.04 *Differing Subsurface or Physical Conditions*

A. *Notice by Contractor*: If Contractor believes that any subsurface or physical condition that is uncovered or revealed at the Site:

1. is of such a nature as to establish that any Technical Data on which Contractor is entitled to rely as provided in Paragraph 5.03 is materially inaccurate;

2. differs materially from that shown or indicated in the Contract Documents; or

3. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except with respect to an emergency) until receipt of a written statement permitting Contractor to do so.

B. *Engineer's Review*: After receipt of written notice as required by the preceding paragraph, Engineer will promptly review the subsurface or physical condition in question; determine whether it is necessary for Owner to obtain additional exploration or tests with respect to the condition; conclude whether the condition falls within any one or more of the differing site condition categories in Paragraph 5.04.A; obtain any pertinent cost or schedule information from Contractor; prepare recommendations to Owner regarding the Contractor's resumption of Work in connection with the subsurface or physical condition in question and the need for any change in the Drawings or Specifications; and advise Owner in writing of Engineer's findings, conclusions, and recommendations.

C. *Owner's Statement to Contractor Regarding Site Condition*: After receipt of Engineer's written findings, conclusions, and recommendations, Owner shall issue a written statement to Contractor (with a copy to Engineer) regarding the subsurface or physical condition in question, addressing the resumption of Work in connection with such condition, indicating whether any change in the Drawings or Specifications will be made, and adopting or rejecting Engineer's written findings, conclusions, and recommendations, in whole or in part.

D. *Early Resumption of Work*: If at any time Engineer determines that Work in connection with the subsurface or physical condition in question may resume prior to completion of Engineer's review or Owner's issuance of its statement to Contractor, because the condition in question has been adequately documented, and analyzed on a preliminary basis, then the Engineer may at its discretion instruct Contractor to resume such Work.

E. *Possible Price and Times Adjustments*

1. Contractor shall be entitled to an equitable adjustment in Contract Price or Contract Times, to the extent that the existence of a differing subsurface or physical condition, or any related delay, disruption, or interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

a. Such condition must fall within any one or more of the categories described in Paragraph 5.04.A;

b. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03; and,

c. Contractor's entitlement to an adjustment of the Contract Times is subject to the provisions of Paragraphs 4.05.D and 4.05.E.

2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times with respect to a subsurface or physical condition if:

a. Contractor knew of the existence of such condition at the time Contractor made a commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract, or otherwise;

b. The existence of such condition reasonably could have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas expressly required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such commitment; or

c. Contractor failed to give the written notice required by Paragraph 5.04.A.

3. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, then any such adjustment will be set forth in a Change Order.

4. Contractor shall submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, no later than thirty (30) days after Owner's issuance of the Owner's written statement to Contractor regarding the subsurface or physical condition in question.

F. *Underground Facilities; Hazardous Environmental Conditions*: Paragraph 5.05 governs rights and responsibilities regarding the presence or location of Underground Facilities. Paragraph 5.06 governs rights and responsibilities regarding Hazardous Environmental Conditions. The provisions of Paragraphs 5.03 and 5.04 are not applicable to the presence or location of Underground Facilities, or to Hazardous Environmental Conditions.

5.05 *Underground Facilities*

A. *Contractor's Responsibilities:* The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or adjacent to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in the Modified General Conditions:

1. Owner and Engineer do not warrant or guarantee the accuracy or completeness of any such information or data; and

2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:

a. reviewing and checking all information and data regarding existing Underground Facilities at the Site;

b. locating all Underground Facilities shown or indicated in the Contract Documents as being at the Site protecting all Underground Facilities in a manner at least as cautious and protective of safety and of underground

facilities as those methods identified in Ohio Revised Code Sections 3781.25 and 3781.30;

c. coordination of the Work with the owners (including Owner) of such Underground Facilities, during construction; and

d. the safety and protection of all existing Underground Facilities at the Site, and repairing any damage thereto resulting from the Work.

B. *Notice by Contractor*: If Contractor believes that an Underground Facility that is uncovered or revealed at the Site was not shown or indicated in the Contract Documents, or was not shown or indicated with reasonable accuracy, then Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 7.15), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer.

C. *Engineer's Review:* Engineer will promptly review the Underground Facility and conclude whether such Underground Facility was not shown or indicated in the Contract Documents, or was not shown or indicated with reasonable accuracy; obtain any pertinent cost or schedule information from Contractor; prepare recommendations to Owner regarding the Contractor's resumption of Work in connection with the Underground Facility in question; determine the extent, if any, to which a change is required in the Drawings or Specifications to reflect and document the consequences of the existence or location of the Underground Facility; and advise Owner in writing, with a copy to the Contractor, of Engineer's findings, conclusions, and recommendations. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

D. *Possible Price and Times Adjustments:*

1. Contractor shall be entitled to an equitable adjustment in the Contract Price or Contract Times, or both, to the extent that any existing Underground Facility at the Site that was not shown or indicated in the Contract Documents, or was not shown or indicated with reasonable accuracy, or any related delay, disruption, or

interference, causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

a. Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated the existence or actual location of the Underground Facility in question;

b. With respect to Work that is paid for on a unit price basis, any adjustment in Contract Price will be subject to the provisions of Paragraph 13.03;

c. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times; and

d. Contractor gave the notice required in Paragraph 5.05.B and submitted a Change Proposal no later than thirty (30) days after issuance of the Engineer's review.

2. If Owner and Contractor agree regarding Contractor's entitlement to and the amount or extent of any adjustment in the Contract Price or Contract Times, or both, then any such adjustment shall be set forth in a Change Order.

3. Contractor shall submit a Change Proposal regarding its entitlement to or the amount or extent of any adjustment in the Contract Price or Contract Times, or both, no later than thirty (30) days after Engineer's issuance of the Engineer's Review to Contractor regarding the Underground Facility in question.

4. The Owner will not agree to any adjustments of time or contract price if the Owner determines that markings showing the utilities were disturbed, removed or otherwise changed by the Contractor or their agents.

5.06 *Hazardous Environmental Conditions at Site*

A. *Reports and Drawings*: The Agreement identifies:

1. those reports known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site;

2. drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site; and

3. Technical Data contained in such reports and drawings.

B. *Reliance by Contractor on Technical Data Authorized*: Contractor may rely upon the accuracy of the Technical Data expressly identified in the Contract Documents with respect to such reports and drawings, but such reports and drawings are not Contract Documents. If no such express identification has been made, then Contractor may rely on the accuracy of the Technical Data as defined in Paragraph 1.01.A.46.b. Except for such reliance on Technical Data, Contractor may not rely upon or make any claim against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto;

2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any Technical Data or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for removing or remediating any Hazardous Environmental Condition encountered, uncovered, or revealed at the Site unless such removal or remediation is expressly identified in the Contract Documents to be within the scope of the Work.

D. Contractor shall be responsible for controlling, containing, and duly removing all Constituents of Concern brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible, and for any associated costs; and for the costs of removing and remediating any Hazardous Environmental Condition created by the presence of any such Constituents of Concern.

E. If Contractor encounters, uncovers, or reveals a Hazardous Environmental Condition whose removal or remediation is not expressly identified in the Contract Documents as being within the scope of the Work, or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, then Contractor shall immediately: (1) secure or otherwise isolate such condition; (2) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 7.15); and (3) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any. Promptly after consulting with Engineer, Owner shall take such actions as are necessary to permit Owner to timely obtain required permits and provide Contractor the written notice required by Paragraph 5.06.F. If Contractor or anyone for whom Contractor is responsible created the Hazardous Environmental Condition in question, then Owner may remove and remediate the Hazardous Environmental Condition, and impose a set-off against payments to account for the associated costs.

F. Contractor shall not resume Work in connection with such Hazardous Environmental Condition or in any affected area until after Owner has obtained any required permits related thereto, and delivered written notice to Contractor either (1) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work, or (2) specifying any special conditions under which such Work may be resumed safely.

G. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, as a result of such Work stoppage, such special conditions under which Work is agreed to be resumed by Contractor, or any costs or expenses incurred in response to the Hazardous Environmental Condition, then within thirty (30) days of Owner's written notice regarding the resumption of Work, Contractor may submit a Claim, or Owner may impose a set-off..

H. If, after receipt of such written notice, Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work, following the contractual change procedures in Article 11. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 8.

I. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 5.06.J obligates Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.

J. The provisions of Paragraphs 5.03, 5.04, and 5.05 do not apply to the presence of Constituents of Concern or to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 6—BONDS AND INSURANCE

6.01 *Performance, Payment, and Other Bonds*

A. Contractor shall furnish a performance bond and payment bond, in an amount equal to the Contract Price, as security for the faithful performance and payment of all of Contractor's obligations under the Contract. Such bond shall be in the form that meets the requirements of the Ohio Revised Code. If the Contractor submitted a combined Bid Guaranty and Contract Bond with its bid for the Work, that form of Bond shall satisfy the Contractor's requirement to provide a Contract Bond. Contractor shall also furnish any other bonds as are required by the Contract Documents.

B. All bonds shall be in the form prescribed by the Ohio Revised Code and shall be executed by such sureties as are named in "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (as amended and supplemented) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. A bond signed by an agent or attorney-in-fact must be accompanied by a certified copy of that individual's authority to bind the surety. The evidence of authority shall show that it is effective on the date the agent or attorney-in-fact signed the accompanying bond.

C. Contractor shall obtain the required bonds from surety companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue bonds in the required amounts.

D. If the surety on a bond furnished by Contractor is declared bankrupt or becomes insolvent, or its right to do business is terminated in any state or jurisdiction where any part of the Project is located, or the surety ceases to meet the requirements above, then Contractor shall promptly notify Owner and Engineer and shall, within twenty (20) days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the bond and surety requirements above.

E. If Contractor has failed to obtain a required bond, Owner may exclude the Contractor from the Site and exercise Owner's termination rights under Article 16.

F. Upon request, Owner shall provide a copy of the payment bond to any Subcontractor, Supplier, or other person or entity claiming to have furnished labor or materials used in the performance of the Work.

G. *Material Default or Termination*. If the Owner notifies the Contractor's surety that the Contractor is in material default, the surety will complete its investigation of the claimed material default within twenty-one (21) days. The surety is advised to start looking for a replacement contractor upon notice of material default. As part of its investigation, the surety shall promptly visit the offices of the Contractor, Engineer, and Owner to inspect and copy the available Project records. The Owner, Engineer, and Contractor, upon written request by the surety, shall make such records available during regular business hours for such inspection and copying. The Owner and Engineer's making such records available as provided herein shall satisfy the Owner's obligation to the surety to furnish documents for the investigation. The surety will provide the Owner with the results of its investigation, including any written report or documents.

If the Owner terminates the Contract and the surety proposes to takeover the Work, the surety shall do so no later than the later of the expiration of the twenty-one (21)-day investigation period or ten (10) days after the date the Owner terminates the Contract, whichever is later. If the Owner terminates the Contract, and the surety proposes to provide a replacement contractor, the replacement contractor shall be fully capable of performing the Work in accordance with the Contract Documents. If the Contractor is terminated for cause, the replacement contractor shall not be the Contractor or its employees, unless the Owner agrees in writing. In the event the Surety takes over the Project, the surety's obligation shall not be limited to the penal sum of the Bond.

If the surety does not propose an acceptable contractor as required by this Paragraph, the Owner may complete the Work by such means as it deems appropriate. In the event the Owner agrees to accept a replacement contractor, the replacement contractor shall furnish its own bond for the replacement contractor's scope of work, and neither the Contractor nor the surety shall be relieved of their obligations under the Contract Documents.

This Paragraph is in addition to any other rights of the Owner under the Contract Documents and is not intended to create any rights of the surety, including but not limited to the right to take over the Contractor's obligations.

In the event of the Contractor's termination and if the surety does not takeover the Work as provided in this Paragraph, the Owner may take possession of and use all materials, facilities and equipment at the Project Site or stored off-site for which Owner has paid in whole or in part.

6.02 *Insurance—General Provisions*

A. Owner and Contractor shall obtain and maintain insurance as required in this Article and in the City of Gahanna Standard General Conditions.

B. All insurance required by the Contract to be purchased and maintained by Owner or Contractor shall be obtained from insurance companies that are duly licensed or authorized, in the state or jurisdiction in which the Project is located, to issue insurance policies for the required limits and coverages. Unless a different standard is indicated in the City of Gahanna Standard General Conditions, all companies that provide

insurance policies required under this Contract shall have an A.M. Best rating of A-VII or better.

C. Contractor shall deliver to Owner, with copies to each named insured and additional insured (as identified in this Article, in the City of Gahanna Standard General Conditions, or elsewhere in the Contract), certificates of insurance establishing that Contractor has obtained and is maintaining the policies, coverages, and endorsements required by the Contract. Upon request by Owner or any other insured, Contractor shall also furnish other evidence of such required insurance, including but not limited to copies of policies and endorsements, and documentation of applicable self-insured retentions and deductibles. Contractor may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision. Failure of Owner to demand such certificates or other evidence of full compliance with these insurance requirements or failure of Owner to identify a deficiency from evidence provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.

D. Owner shall, upon the Contractor's request, deliver to Contractor, with copies to each named insured and additional insured (as identified in this Article, the Modified General Conditions, or elsewhere in the Contract), certificates of insurance establishing that Owner has obtained and is maintaining the policies, coverages, and endorsements required of Owner by the Contract (if any). Upon request by Contractor or any other insured, Owner shall also provide other evidence of such required insurance (if any), including but not limited to copies of policies and endorsements, and documentation of applicable self-insured retentions and deductibles. Owner may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision.

E. Failure of Owner or Contractor to demand such certificates or other evidence of the other party's full compliance with these insurance requirements, or failure of Owner or Contractor to identify a deficiency in compliance from the evidence provided, shall not be construed as a waiver of the other party's obligation to obtain and maintain such insurance.

F. If either party does not purchase or maintain all of the insurance required of such party by the Contract, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage.

G. If Contractor has failed to obtain and maintain required insurance, Owner may exclude the Contractor from the Site, impose an appropriate set-off against payment, and exercise Owner's termination rights under Article 16.

H. Without prejudice to any other right or remedy, if a party has failed to obtain required insurance, the other party may elect to obtain equivalent insurance to protect such

other party's interests at the expense of the party who was required to provide such coverage, and the Contract Price shall be adjusted accordingly.

I. Owner does not represent that insurance coverage and limits established in this Contract necessarily will be adequate to protect Contractor or Contractor's interests.

J. The insurance and insurance limits required herein shall not be deemed as a limitation on Contractor's liability under the indemnities granted to Owner and other individuals and entities in the Contract.

K. The minimum limits of liability for the required insurance policies listed in Paragraph 6.03 shall not be less than the following unless a greater amount is required by law:

1. Commercial General Liability ("CGL"): Bodily injury (including death and personal injury) and property damage with limits of $1,000,000 each occurrence and $2,000,000 aggregate. CGL shall include (a) Premises-Operations, (ii) Explosion and Collapse Hazard, (iii) Underground Hazard, (iv) Independent Contractors' Protective, (v) Broad Form Property Damage, including Completed Operations, (vi) Contractual Liability, (vii) Products and Completed Operations, (viii) Personal/Advertising Injury with Employment Exclusion deleted, (ix) Stopgap liability endorsement for $1,000,000 limit, and (x) per project aggregate endorsement.

2. Automobile Liability, covering all owned, non-owned, and hired vehicles used in connection with the Work: Bodily injury (including death and personal injury) and property damage with a combined single limit of $1,000,000 per person and $1,000,000 each accident.

3. Such policies shall be supplemented by an umbrella policy, also written on an occurrence basis, to provide additional protection to provide coverage in the total amount of $1,000,000 for each occurrence and $1,000,000 aggregate for contracts with a Contract Price of $250,000 or less; $2,000,000 each occurrence and $2,000,000 aggregate for contracts with a Contract Price greater than $250,000 but less than or equal to $500,000; $3,000,000 each occurrence and $3,000,000 aggregate for contracts with a Contract Price greater than $500,000 but less than or equal to $1,000,000; and $5,000,000 each occurrence and $5,000,000 aggregate for contracts with a Contract Price greater than $1,000,000.

6.03 *Contractor's Insurance*

A. *Workers' Compensation:* Contractor shall purchase and maintain workers' compensation and employer's liability insurance for:

1. claims under workers' compensation, disability benefits, and other similar employee benefit acts.

2. United States Longshoreman and Harbor Workers' Compensation Act and Jones Act coverage (if applicable).

3. claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees (by stop-gap endorsement in monopolist worker's compensation states).

4. Foreign voluntary worker compensation (if applicable).

B. *Commercial General Liability*—Claims Covered: Contractor shall purchase and maintain commercial general liability insurance, covering all operations by or on behalf of Contractor, on an occurrence basis, against:

1. claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees.
2. claims for damages insured by reasonably available personal injury liability coverage.
3. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom.

C. *Commercial General Liability*—Form and Content: Contractor's commercial liability policy shall be written on a 1996 (or later) ISO commercial general liability form (occurrence form) and include the following coverages and endorsements:

1. Products and completed operations coverage:
   a. Such insurance shall be maintained for three years after final payment.
   b. Contractor shall furnish Owner and each other additional insured (as identified in the Modified General Conditions or elsewhere in the Contract) evidence of continuation of such insurance at final payment and three years thereafter.
2. Blanket contractual liability coverage, to the extent permitted by law, including but not limited to coverage of Contractor's contractual indemnity obligations in Paragraph 7.18.
3. Broad form property damage coverage.
4. Severability of interest.
5. Underground, explosion, and collapse coverage.
6. Personal injury coverage.
7. Additional insured endorsements that include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 20 10 10 01 and CG 20 37 10 01 (together); or CG 20 10 07 04 and CG 20 37 07 04 (together); or their equivalent.
8. For design professional additional insureds, ISO Endorsement CG 20 32 07 04, "Additional Insured—Engineers, Architects or Surveyors Not Engaged by the Named Insured" or its equivalent.

D. *Automobile Liability:* Contractor shall purchase and maintain automobile liability insurance against claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance, or use of any motor vehicle. The automobile liability policy shall be written on an occurrence basis.

E. *Umbrella Or Excess Liability:* Contractor shall purchase and maintain umbrella or excess liability insurance written over the underlying employer's liability, commercial general liability, and automobile liability insurance described in the paragraphs above. Subject to industry-standard exclusions, the coverage afforded shall follow form as to each and every one of the underlying policies.

F. *Contractor's Pollution Liability Insurance:* Contractor shall purchase and maintain a policy covering third-party injury and property damage claims, including clean-up costs, as a result of pollution conditions arising from Contractor's operations and

completed operations. This insurance shall be maintained for no less than three years after final completion.

G. *Additional Insureds:* The Contractor's commercial general liability, automobile liability, umbrella or excess, and pollution liability policies shall include and list as additional insureds Owner and Engineer, and any individuals or entities identified in the Modified General Conditions; include coverage for the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of all such additional insureds; and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby (including as applicable those arising from both ongoing and completed operations) on a noncontributory basis. Contractor shall obtain all necessary endorsements to support these requirements.

H. *Contractor's Professional Liability Insurance:* If Contractor will provide or furnish professional services under this Contract, through a delegation of professional design services or otherwise, then Contractor shall be responsible for purchasing and maintaining applicable professional liability insurance. This insurance shall provide protection against claims arising out of performance of professional design or related services, and caused by a negligent error, omission, or act for which the insured party is legally liable. It shall be maintained throughout the duration of the Contract and for a minimum of two years after Substantial Completion. If such professional design services are performed by a Subcontractor, and not by Contractor itself, then the requirements of this paragraph may be satisfied through the purchasing and maintenance of such insurance by such Subcontractor.

I. *Railroad Protective Liability Insurance:* Prior to commencing any Work within 50 feet of railroad-owned and controlled property, Contractor shall (1) endorse its commercial general liability policy with ISO CG 24 17, removing the contractual liability exclusion for work within 50 feet of a railroad, (2) purchase and maintain railroad protective liability insurance meeting the following requirements, (3) furnish a copy of the endorsement to Owner, and (4) submit a copy of the railroad protective policy and other railroad-required documentation to the railroad, and notify Owner of such submittal.

J. *Unmanned Aerial Vehicle Liability Insurance:* If Contractor uses unmanned aerial vehicles (UAV—commonly referred to as drones) at the Site or in support of any aspect of the Work, Contractor shall obtain UAV liability insurance in the amounts stated; name Owner, Engineer, and all individuals and entities identified in the Supplementary Conditions as additional insureds; and provide a certificate to Owner confirming Contractor's compliance with this requirement. Such insurance will provide coverage for property damage, bodily injury or death, and invasion of privacy.

K. *General provisions:* The policies of insurance required by this Paragraph 6.03 shall:

1. include at least the specific coverages provided in this Article.

2. be written for not less than the limits of liability provided in this Article and in the Modified General Conditions, or required by Laws or Regulations, whichever is greater.

3. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed, or renewal refused until at least thirty (30) days prior

written notice has been given to Contractor, Owner, and Engineer and each other insured under the policy.

4. remain in effect at least until final payment (and longer if expressly required in this Article) and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work as a warranty or correction obligation, or otherwise, or returning to the Site to conduct other tasks arising from the Contract Documents.

5. be appropriate for the Work being performed and provide protection from claims that may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether it is to be performed by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable.

L. The coverage requirements for specific policies of insurance must be met by such policies, and not by reference to excess or umbrella insurance provided in other policies.

M. Contractor's insurance shall be primary and non-contributory.

N. Insurance policies shall be written on an occurrence basis only.

O. The Contractor shall require all Subcontractors to provide Workers' Compensation, CGL, and Automobile Liability Insurance with the same minimum limits specified herein, unless the Owner agrees to a lesser amount.

P. The Owner shall be named as a certificate holder on the policies of insurance maintained by Contractor. The Contractor shall provide each additional insured with a certificate of insurance.

6.04 *Owner's Liability Insurance*

A. In addition to the insurance required to be provided by Contractor under Paragraph 6.03, Owner, at Owner's option, may purchase and maintain at Owner's expense Owner's own liability insurance as will protect Owner against claims which may arise from operations under the Contract Documents.

B. Owner's liability policies, if any, operate separately and independently from policies required to be provided by Contractor, and Contractor cannot rely upon Owner's liability policies for any of Contractor's obligations to the Owner, Engineer, or third parties.

6.05 *Property Insurance*

A. *Builder's Risk:* Contractor shall purchase and maintain builder's risk insurance upon the Work on a completed value basis, in the amount of the full insurable replacement cost thereof. Insurance shall be completed value form. This insurance shall:

1. include the Owner and Contractor as named insureds, and all Subcontractors, and any individuals or entities required by the Modified General Conditions to be insured under such builder's risk policy, as insureds or named insureds. For purposes of the remainder of this Paragraph 6.05, Paragraphs 6.06 and 6.07, and any corresponding Modified General Conditions, the parties required to be insured shall collectively be referred to as "insureds." Insurance certificates shall specifically indicate by

name the additional insureds which are to include Owner and Engineer as well as other individuals or entities so identified.

2. be written on a builder's risk "all risk" policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, falsework, and materials and equipment in transit, and shall insure against at least the following perils or causes of loss: fire; lightning; windstorm; riot; civil commotion; terrorism; vehicle impact; aircraft; smoke; theft; vandalism and malicious mischief; mechanical breakdown, boiler explosion, and artificially generated electric current; earthquake; volcanic activity, and other earth movement; flood; collapse; explosion; debris removal; demolition occasioned by enforcement of Laws and Regulations; water damage (other than that caused by flood); and such other perils or causes of loss as may be specifically required by the Modified General Conditions. If insurance against mechanical breakdown, boiler explosion, and artificially generated electric current; earthquake; volcanic activity, and other earth movement; or flood, are not commercially available under builder's risk policies, by endorsement or otherwise, such insurance may be provided through other insurance policies acceptable to Owner.

3. cover, as insured property, at least the following: (a) the Work and all materials, supplies, machinery, apparatus, equipment, fixtures, and other property of a similar nature that are to be incorporated into or used in the preparation, fabrication, construction, erection, or completion of the Work, including Owner-furnished or assigned property; (b) spare parts inventory required within the scope of the Contract; and (c) temporary works which are not intended to form part of the permanent constructed Work but which are intended to provide working access to the Site, or to the Work under construction, or which are intended to provide temporary support for the Work under construction, including scaffolding, form work, fences, shoring, falsework, and temporary structures.

4. cover expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects).

5. cover the total value of materials and equipment supplied under the Contract from the time Contractor takes possession of them until they are installed and tested by Contractor and the project is accepted as complete by Owner under an endorsement to this policy or in the form of Installation Floater Insurance of the "all risk" type.

6. extend to cover damage or loss to insured property while in transit.

7. allow for partial occupation or use of the Work by Owner, such that those portions of the Work that are not yet occupied or used by Owner shall remain covered by the builder's risk insurance.

8. allow for the waiver of the insurer's subrogation rights, as set forth below.

9. provide primary coverage for all losses and damages caused by the perils or causes of loss covered.

10. not include a co-insurance clause.

11. include an exception for ensuing losses from physical damage or loss with respect to any defective workmanship, design, or materials exclusions.

12. include performance/hot testing and start-up.

13. be maintained in effect, subject to the provisions herein regarding Substantial Completion and partial occupancy or use of the Work by Owner, until the Work is complete.

B. *Notice of Cancellation or Change:* All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with this Paragraph 6.05 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least ten (10) days prior written notice has been given to the purchasing policyholder. Within three (3) days of receipt of any such written notice, the purchasing policyholder shall provide a copy of the notice to each other insured.

C. *Deductibles:* Contractor shall be responsible for any deductible or self-insured retention.

D. *Partial Occupancy or Use by Owner:* If Owner will occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 15.04, then Owner (through Contractor) will provide notice of such occupancy or use to the builder's risk insurer. The builder's risk insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy; rather, those portions of the Work that are occupied or used by Owner may come off the builder's risk policy, while those portions of the Work not yet occupied or used by Owner shall remain covered by the builder's risk insurance.

E. *Additional Insurance:* If Contractor elects to obtain other special insurance to be included in or supplement the builder's risk or property insurance policies provided under this Paragraph 6.05, it may do so at Contractor's expense.

F. *Insurance of Other Property:* If the express insurance provisions of the Contract do not require or address the insurance of a property item or interest, such as tools, construction equipment, or other personal property owned by Contractor, a Subcontractor, or an employee of Contractor or a Subcontractor, then the entity or individual owning such property item will be responsible for deciding whether to insure it, and if so in what amount.

G. *Payment of Deductible:* Contractor shall pay all deductible provisions applicable to claims related to the Project made under and paid by insurance. If more than one Contractor is responsible for the incident giving rise to the insurance coverage, the Contractors shall be responsible on a pro rata basis, according to their responsibility for the occurrence or accident giving rise to the claim, for payment of the deductible. The risk of loss within such identified deductible amount will be borne by Contractor, Subcontractors, or others suffering any such loss, and if any of them wishes property insurance coverage within the limits of such amounts, each may purchase and maintain it at the purchaser's own expense.

6.06 *Waiver of Rights*

A. All policies purchased in accordance with Paragraph 6.05, expressly including the builder's risk policy, shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any insureds thereunder, or against Engineer or its consultants, or their officers, directors, members, partners, employees, agents, consultants, or subcontractors. Owner and Contractor waive all rights against each other and the respective officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work;

and, in addition, waive all such rights against Engineer, its consultants, all Subcontractors, all individuals or entities identified in the Modified General Conditions as insureds, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner or Contractor as trustee or fiduciary, or otherwise payable under any policy so issued.

B. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, for:

1. loss due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other perils whether or not insured by Owner; and

2. loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by Owner during partial occupancy or use pursuant to Paragraph 15.04, after Substantial Completion pursuant to Paragraph 15.03, or after final payment pursuant to Paragraph 15.06.

C. Any insurance policy maintained by Owner covering any loss, damage or consequential loss referred to in Paragraph 6.06.B shall contain provisions to the effect that in the event of payment of any such loss, damage, or consequential loss, the insurers will have no rights of recovery against Contractor, Subcontractors, or Engineer, or the officers, directors, members, partners, employees, agents, consultants, or subcontractors of each and any of them.

D. Contractor shall be responsible for assuring that the agreement under which a Subcontractor performs a portion of the Work contains provisions whereby the Subcontractor waives all rights against Owner, Contractor, all individuals or entities identified in the Modified General Conditions as insureds, the Engineer and its consultants, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by builder's risk insurance and any other property insurance applicable to the Work.

6.07 *Receipt and Application of Property Insurance Proceeds*

A. Any insured loss under the builder's risk and other policies of insurance required by Paragraph 6.05 will be adjusted and settled with the named insured that purchased the policy. Such named insured shall act as fiduciary for the other insureds, and give notice to such other insureds that adjustment and settlement of a claim is in progress. Any other insured may state its position regarding a claim for insured loss in writing within fifteen (15) days after notice of such claim.

B. Proceeds for such insured losses may be made payable by the insurer either jointly to multiple insureds, or to the named insured that purchased the policy in its own right and as fiduciary for other insureds, subject to the requirements of any applicable mortgage clause. A named insured receiving insurance proceeds under the builder's risk and other policies of insurance required by Paragraph 6.05 shall distribute such proceeds in accordance with such agreement as the parties in interest may reach, or as otherwise

required under the dispute resolution provisions of this Contract or applicable Laws and Regulations.

C. If no other special agreement is reached, the damaged Work shall be repaired or replaced, the money so received applied on account thereof, and the Work and the cost thereof covered by Change Order, if needed.

ARTICLE 7—CONTRACTOR'S RESPONSIBILITIES

7.01 *Contractor's Means and Methods of Construction*

A. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction.

B. If the Contract Documents note, or Contractor determines, that professional engineering or other design services are needed to carry out Contractor's responsibilities for construction means, methods, techniques, sequences, and procedures, or for Site safety, then Contractor shall cause such services to be provided by a properly licensed design professional, at Contractor's expense. Such services are not Owner-delegated professional design services under this Contract, and neither Owner nor Engineer has any responsibility with respect to (1) Contractor's determination of the need for such services, (2) the qualifications or licensing of the design professionals retained or employed by Contractor, (3) the performance of such services, or (4) any errors, omissions, or defects in such services.

7.02 *Supervision and Superintendence*

A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents.

B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who will not be replaced without written notice to Owner and Engineer except under extraordinary circumstances. The superintendent will be the Contractor's representative at the Site and shall have authority to act on behalf of Contractor. All communications given to or received from the superintendent shall be binding on Contractor.

7.03 *Labor; Working Hours*

A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall maintain good discipline and order at the Site.

B. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of Contractor's employees; of Suppliers and Subcontractors, and their employees; and of any other individuals or entities performing or furnishing any of the Work, just as Contractor is responsible for Contractor's own acts and omissions.

C. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site will be performed during regular working hours, Monday through Friday. Contractor will not perform Work on a Saturday, Sunday, or any Shut Down Dates as defined in the Agreement, or any City-recognized holiday or city-wide event that may impact the Project Schedule as determined by the Engineer.

Contractor may perform Work outside regular working hours or on Saturdays, Sundays, Shut Down Dates as defined in the Agreement or legal holidays only with Owner's written consent, which will not be unreasonably withheld. Contractor (and any Subcontractor) regular working hours consist of 8 to 10 working hours within an eleven (11) -hour period between 7:00 a.m. and 6:00 p.m. on a regularly scheduled basis, excluding Saturday, Sunday and holidays. Overtime work is work in excess of forty (40) hours per week. Contractor must receive advanced written approval from the Owner prior to performing work on weekends or City Holidays. Approval of such weekend and/or holiday work is in the Owner's sole discretion.

7.04 *Services, Materials, and Equipment*

A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start up, and completion of the Work, whether or not such items are specifically called for in the Contract Documents.

B. All materials and equipment incorporated into the Work must be new and of good quality, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications will expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment. Contractor warrants that all materials and equipment are suitable and fit for the intended use of such materials and equipment and are free from defects in material, workmanship, or design. The foregoing applies whether the materials or equipment are specified in the Contract Documents.

C. All materials and equipment must be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

7.05 *"Or Equals"*

A. *Contractor's Request; Governing Criteria*: Whenever an item of equipment or material is specified or described in the Contract Documents by using the names of one or more proprietary items or specific Suppliers, the Contract Price has been based upon Contractor furnishing such item as specified. The specification or description of such an item is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or equal" item is permitted, Contractor may request that Engineer authorize the use of other items of equipment or material, or items from other proposed Suppliers, under the circumstances described below.

1. If Engineer in its sole discretion determines that an item of equipment or material proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, Engineer will deem it an "or

equal" item. For the purposes of this paragraph, a proposed item of equipment or material will be considered functionally equal to an item so named if:

a. in the exercise of reasonable judgment Engineer determines that the proposed item:

1) is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;

2) will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole;

3) has a proven record of performance and availability of responsive service; and

4) is not objectionable to Owner.

b. Contractor certifies that, if the proposed item is approved and incorporated into the Work:

1) there will be no increase in cost to the Owner or increase in Contract Times; and

2) the item will conform substantially to the detailed requirements of the item named in the Contract Documents.

2. Substitutions prior to the receipt of bids shall be governed by the Instructions to bidders. Substitutions after the entry into the Agreement shall be governed by these Modified General Conditions.

B. *Contractor's Expense*: Contractor shall provide all data in support of any proposed "or equal" item at Contractor's expense.

C. *Engineer's Evaluation and Determination*: Engineer will be allowed a reasonable time to evaluate each "or-equal" request. Engineer may require Contractor to furnish additional data about the proposed "or-equal" item. Engineer will be the sole judge of acceptability. No "or-equal" item will be ordered, furnished, installed, or utilized until Engineer's review is complete and Engineer determines that the proposed item is an "or-equal," which will be evidenced by an approved Shop Drawing or other written communication. Engineer will advise Contractor in writing of any negative determination.

D. *Effect of Engineer's Determination*: Neither approval nor denial of an "or-equal" request will result in any change in Contract Price. The Engineer's denial of an "or-equal" request will be final and binding, and may not be reversed through an appeal under any provision of the Contract.

E. *Treatment as a Substitution Request*: If Engineer determines that an item of equipment or material proposed by Contractor does not qualify as an "or-equal" item, Contractor may request that Engineer consider the item a proposed substitute pursuant to Paragraph 7.06.

7.06 *Substitutes*

A. *Contractor's Request; Governing Criteria*: Unless the specification or description of an item of equipment or material required to be furnished under the Contract Documents contains or is followed by words reading that no substitution is permitted, Contractor may request that Engineer authorize the use of other items of equipment or material

under the circumstances described below. To the extent possible such requests must be made before commencement of related construction at the Site.

1. Contractor shall submit sufficient information as provided below to allow Engineer to determine if the item of material or equipment proposed is functionally equivalent to that named and an acceptable substitute therefor. Engineer will not accept requests for review of proposed substitute items of equipment or material from anyone other than Contractor.
2. The requirements for review by Engineer will be as set forth in Paragraph 7.06.B, as supplemented by the Specifications, and as Engineer may decide is appropriate under the circumstances.
3. Contractor shall make written application to Engineer for review of a proposed substitute item of equipment or material that Contractor seeks to furnish or use. The application:
    a. will certify that the proposed substitute item will:
        1) perform adequately the functions and achieve the results called for by the general design;
        2) be similar in substance to the item specified; and
        3) be suited to the same use as the item specified.
    b. will state:
        1) the extent, if any, to which the use of the proposed substitute item will necessitate a change in Contract Times;
        2) whether use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item; and
        3) whether incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty.
    c. will identify:
        1) all variations of the proposed substitute item from the item specified; and
        2) available engineering, sales, maintenance, repair, and replacement services.
    d. will contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including but not limited to changes in Contract Price, shared savings, costs of redesign, and claims of other contractors affected by any resulting change.

B. *Engineer's Evaluation and Determination*: Engineer will be allowed a reasonable time to evaluate each substitute request, and to obtain comments and direction from Owner. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No substitute will be ordered, furnished, installed, or utilized until Engineer's review is complete and Engineer determines that the proposed item is an acceptable substitute. Engineer's determination will be evidenced by a Field Order or a proposed Change Order accounting for the substitution itself and all related impacts, including changes in

Contract Price or Contract Times. Engineer will advise Contractor in writing of any negative determination.

C. *Special Guarantee*: Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

D. *Reimbursement of Engineer's Cost*: Engineer will record Engineer's costs in evaluating a substitute proposed or submitted by Contractor. Whether or not Engineer approves a substitute so proposed or submitted by Contractor, Contractor shall reimburse Owner for the reasonable charges of Engineer for evaluating each such proposed substitute. Contractor shall also reimburse Owner for the reasonable charges of Engineer for making changes in the Contract Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute. In the instance where the Engineer is the City of Gahanna Engineer, the foregoing work shall be charged at a rate of $100.00 per hour for any City of Gahanna employee performing the tasks contemplated in this paragraph.

E. *Contractor's Expense*: Contractor shall provide all data in support of any proposed substitute at Contractor's expense.

F. *Effect of Engineer's Determination*: If Engineer approves the substitution request, Contractor shall execute the proposed Change Order and proceed with the substitution. The Engineer's denial of a substitution request will be final and binding and may not be reversed through an appeal under any provision of the Contract. Contractor may challenge the scope of reimbursement costs imposed under Paragraph 7.06.D, by timely submittal of a Change Proposal.

7.07 *Concerning Subcontractors and Suppliers*

A. Contractor may retain Subcontractors and Suppliers for the performance of parts of the Work. Such Subcontractors and Suppliers must be acceptable to Owner. The Contractor's retention of a Subcontractor or Supplier for the performance of parts of the Work will not relieve Contractor's obligation to Owner to perform and complete the Work in accordance with the Contract Documents.

B. Contractor shall retain specific Subcontractors and Suppliers for the performance of designated parts of the Work if required by the Contract to do so.

C. Subsequent to the submittal of Contractor's Bid or final negotiation of the terms of the Contract, Owner may not require Contractor to retain any Subcontractor or Supplier to furnish or perform any of the Work against which Contractor has reasonable objection. If Owner or Engineer, after due investigation, has reasonable objections to any proposed Subcontractor, Supplier, or other individual or entity, either may request Contractor submit an acceptable substitute without an increase in Contract Price, and the Contractor shall do so within ten (10) days.

D. Prior to entry into any binding subcontract or purchase order, Contractor shall submit to Owner the identity of the proposed Subcontractor or Supplier (unless Owner has already deemed such proposed Subcontractor or Supplier acceptable during the bidding process or otherwise). Such proposed Subcontractor or Supplier shall be deemed acceptable to Owner unless Owner raises a substantive, reasonable objection within five (5) days. The Owner's acceptance or failure to raise an objection shall not relieve the Contractor of its liability for the acts, omissions, or breaches of contract by its subcontractors or suppliers.

E. Owner may require the replacement of any Subcontractor, Supplier, employee, or other individual or entity retained by Contractor to perform any part of the Work. Owner also may require Contractor to retain specific replacements; provided, however, that Owner may not require a replacement to which Contractor has a reasonable objection. If Contractor has submitted the identity of certain Subcontractors, Suppliers, or other individuals or entities for acceptance by Owner, and Owner has accepted it (either in writing or by failing to make written objection thereto), then Owner may subsequently revoke the acceptance of any such Subcontractor, Supplier, or other individual or entity so identified solely on the basis of substantive, reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity. Cause for removal shall include but not be limited to incompetent, unfaithful, or disorderly behavior, refusal to carry out any provision of the Contract Documents, careless or unsatisfactory work, or disrespectful, threatening or abusive language to any supervisor of the work or to the public..

F. If Owner requires the replacement of any Subcontractor or Supplier retained by Contractor to perform any part of the Work, then Contractor shall be entitled to an adjustment in Contract Price or Contract Times, with respect to the replacement; and Contractor shall initiate a Change Proposal for such adjustment within thirty (30) days of Owner's requirement of replacement.

G. No acceptance by Owner of any such Subcontractor or Supplier, whether initially or as a replacement, will constitute a waiver of the right of Owner to the completion of the Work in accordance with the Contract Documents.

H. On a monthly basis, Contractor shall submit to Engineer a complete list of all Subcontractors and Suppliers having a direct contract with Contractor, and of all other Subcontractors and Suppliers known to Contractor at the time of submittal.

I. Contractor shall be solely responsible for scheduling and coordinating the work of Subcontractors and Suppliers.

J. The divisions and sections of the Specifications and the identifications of any Drawings do not control Contractor in dividing the Work among Subcontractors or Suppliers, or in delineating the Work to be performed by any specific trade.

K. All Work performed for Contractor by a Subcontractor or Supplier must be pursuant to an appropriate contractual agreement that specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract for the benefit of Owner and Engineer.

L. Owner may furnish to any Subcontractor or Supplier, to the extent practicable, information about amounts paid to Contractor for Work performed for Contractor by the Subcontractor or Supplier.

M. Contractor shall restrict all Subcontractors and Suppliers from communicating with Engineer or Owner, except through Contractor or in case of an emergency, or as otherwise expressly allowed in this Contract.

N. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions.

O. Nothing in the Contract Documents:

1. shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier, or other individual or entity; nor

2. shall create any obligation on the part of Owner or Engineer to pay or to see to the payment of any money due any such Subcontractor, Supplier, or other individual or entity except as may otherwise be required by Laws and Regulations.

P. The Owner shall be an intended third-party beneficiary of Contractor's agreements with its consultants, subcontractors, and suppliers.

7.08 *Patent Fees and Royalties*

A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If an invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if, to the actual knowledge of Owner or Engineer, its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights will be disclosed in the Contract Documents.

B. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.

7.09 *Permits*

A. Unless otherwise provided in the Contract Documents, Contractor shall obtain and pay for all construction permits, licenses, and certificates of occupancy. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of the submission of Contractor's Bid (or when Contractor became bound under a negotiated contract). Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

B. Materials purchased for use or consumption in connection with the proposed Work will be exempt from the State of Ohio Sales Tax, as provided in Section 5739.02 of the Ohio Revised Code, and also from the State of Ohio Use Tax, as provided in Section 5741.01 of the Ohio Revised Code. The Owner will provide the Contractor with a Construction Tax Exempt Certificate upon request, made through the Engineer.

C. Purchases by the Contractor of expendable items, such as form lumber, tools, oil, greases, fuel, or equipment rentals, are subject to the application of Ohio Sales or Use Taxes.

D. In addition to any other taxes required to be withheld by the Contractor, the Contractor shall withhold any income taxes due to the Owner for wages, salaries and commissions paid to its employees for work done under this Agreement and further

agrees that any of its subcontractors shall, by the terms of its subcontract, be required to withhold any such income taxes due for work performed under this Agreement.

7.10 *Taxes*

A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

B. The Owner is a political subdivision of the State of Ohio and is exempt from taxation under the Ohio Sales Tax and Use Tax Laws. Building materials that the successful Bidder purchases for incorporation into the Project will be exempt from state sales and use taxes if the successful Bidder provides a properly completed Ohio Department of Taxation Construction Contract Exemption Certificate to the vendors or suppliers when the materials are acquired. The Owner will execute properly completed certificates on request.

C. Materials purchased for use or consumption in connection with the proposed Work will be exempt from the State of Ohio Sales Tax, as provided in Section 5739.02 of the Ohio Revised Code, and also from the State of Ohio Use Tax, as provided in Section 5741.01 of the Ohio Revised Code. The Owner will provide the Contractor with a Construction Tax Exempt Certificate upon request, made through the Engineer.

D. Purchases by the Contractor of expendable items, such as form lumber, tools, oil, greases, fuel, or equipment rentals, are subject to the application of Ohio Sales or Use Taxes.

E. In addition to any other taxes required to be withheld by the Contractor, the Contractor shall withhold any income taxes due to the Owner for wages, salaries and commissions paid to its employees for work done under this Agreement and further agrees that any of its subcontractors shall, by the terms of its subcontract, be required to withhold any such income taxes due for work performed under this Agreement.

7.11 *Laws and Regulations*

A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.

B. If Contractor performs any Work or takes any other action knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all resulting costs and losses, and shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants, and subcontractors of each and any of them, from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work or other action. It is not Contractor's responsibility to make certain that the Work described in the Contract Documents is in accordance with Laws and Regulations, but this does not relieve Contractor of its obligations under Paragraph 3.03.

C. *Prevailing Wage Rates*: For "Construction" projects as defined in Section 4115.03 of the Ohio Revised Code, the successful Bidder and all of its subcontractors, regardless of tier, will strictly comply with its obligation to pay a rate of wages on the Project not less than the rate of wages fixed for this Project under Section

4115.04 of the Ohio Revised Code. Additionally, for such "Construction Projects," the successful Bidder will comply with all other provisions of Chapter 4115 of the Ohio Revised Code. Where Federal prevailing wage rates apply the successful Bidder and all of its subcontractors, regardless of tier, will strictly comply with its obligation to pay a rate of wages on the Project not less than the rate of wages fixed for this Project under the applicable Federal law. See **Appendix B**.

7.12 *Record Documents*

A. Contractor shall maintain in a safe place at the Site one printed record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, written interpretations and clarifications, and approved Shop Drawings. Contractor shall keep such record documents in good order and annotate them to show changes made during construction. These record documents, together with all approved Samples, will be available to Engineer for reference. Upon completion of the Work, Contractor shall deliver these record documents to Engineer.

7.13 *Safety and Protection*

A. Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. Such responsibility does not relieve Subcontractors of their responsibility for the safety of persons or property in the performance of their work, nor for compliance with applicable safety Laws and Regulations.

B. Contractor shall designate a qualified and experienced safety representative whose duties and responsibilities are the prevention of Work-related accidents and the maintenance and supervision of safety precautions and programs.

C. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury, or loss to:

1. all persons on the Site or who may be affected by the Work;

2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and

3. other property (public or private) at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, other work in progress, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.

D. All damage, injury, or loss to any property referred to in Paragraph 7.13.C.2 or 7.13.C.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor at its expense (except damage or loss attributable to the fault of Drawings or Specifications or to the acts or omissions of Owner or Engineer or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).

E. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury,

or loss; and shall erect and maintain all necessary safeguards for such safety and protection.

F. Contractor shall notify Owner; the owners of adjacent property; the owners of Underground Facilities and other utilities (if the identity of such owners is known to Contractor); and other contractors and utility owners performing work at or adjacent to the Site, in writing, when Contractor knows that prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property or work in progress.

G. Contractor shall comply with the applicable requirements of Owner's safety programs, if any. Any Owner's safety programs that are applicable to the Work are identified or included in the City of Gahanna Standard General Conditions or Specifications.

H. Contractor shall inform Owner and Engineer of the specific requirements of Contractor's safety program with which Owner's and Engineer's employees and representatives must comply while at the Site.

I. Contractor's duties and responsibilities for safety and protection will continue until all the Work is completed, Engineer has issued a written notice to Owner and Contractor in accordance with Paragraph 15.06.C that the Work is acceptable, and Contractor has left the Site (except as otherwise expressly provided in connection with Substantial Completion).

J. Contractor's duties and responsibilities for safety and protection will resume whenever Contractor or any Subcontractor or Supplier returns to the Site to fulfill warranty or correction obligations, or to conduct other tasks arising from the Contract Documents.

K. Contractor shall keep at the Site at all times during the progress of the Work a competent person to comply with OSHA trenching and excavation requirements. The competent person shall be one who is capable of identifying existing and predictable hazards in the surroundings, or working conditions that are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

7.14 *Hazard Communication Programs*

A. Contractor shall be responsible for coordinating any exchange of safety data sheets (formerly known as material safety data sheets) or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

7.15 *Emergencies*

A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act, without special instructions or direction, to prevent damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused by an emergency or are required as a result of Contractor's response to an emergency. If the Engineer determines that a change in the Contract Documents is required because of an emergency or Contractor's response, a Work Change Directive or Change Order will be issued.

However, the Contractor acknowledges and agrees that any action taken by the Ohio Director of Health or any other government agency with respect to an ongoing or newly determined pandemic does not constitute an "emergency" under this Paragraph.

Nothing in this section will be construed as relieving Contractor from the cost and responsibility for emergencies covered hereby, which with normal diligence, planning and the close supervision of the Work, as required under the Contract, could not have been foreseen or prevented.

Contractor will provide Owner a list of names and telephone numbers of the designated employees for each Subcontractor to be contacted in case of emergency during non-working hours. A copy of the list will also be displayed at the jobsite.

7.16 *Submittals*

A. *Shop Drawing and Sample Requirements*

1. Before submitting a Shop Drawing or Sample, Contractor shall:

a. review and coordinate the Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents;

b. determine and verify:

1) all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect to the Submittal;

2) the suitability of all materials and equipment offered with respect to the indicated application, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work; and

3) all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto;

c. confirm that the Submittal is complete with respect to all related data included in the Submittal.

2. Each Shop Drawing or Sample must bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review of that Submittal, and that Contractor approves the Submittal.

3. With each Shop Drawing or Sample, Contractor shall give Engineer specific written notice of any variations that the Submittal may have from the requirements of the Contract Documents. This notice must be set forth in a written communication separate from the Submittal; and, in addition, in the case of a Shop Drawing by a specific notation made on the Shop Drawing itself.

B. *Submittal Procedures for Shop Drawings and Samples*: Contractor shall label and submit Shop Drawings and Samples to Engineer for review and approval in accordance with the accepted Schedule of Submittals.

1. *Shop Drawings*

a. Contractor shall submit the number of copies required in the Specifications in a format, electronic or otherwise, designated by the Owner.

b. Data shown on the Shop Drawings must be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor

proposes to provide, and to enable Engineer to review the information for the limited purposes required by Paragraph 7.16.C.

2. *Samples*

   a. Contractor shall submit the number of Samples required in the Specifications.

   b. Contractor shall clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the Submittal for the limited purposes required by Paragraph 7.16.C.

3. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals, any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

C. *Engineer's Review of Shop Drawings and Samples*

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the accepted Schedule of Submittals. Engineer's review and approval will be only to determine if the items covered by the Submittals will, after installation or incorporation in the Work, comply with the requirements of the Contract Documents, and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.

2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction, or to safety precautions or programs incident thereto.

3. Engineer's review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.

4. Engineer's review and approval of a Shop Drawing or Sample will not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 7.16.A.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer will document any such approved variation from the requirements of the Contract Documents in a Field Order or other appropriate Contract modification.

5. Engineer's review and approval of a Shop Drawing or Sample will not relieve Contractor from responsibility for complying with the requirements of Paragraphs 7.16.A and B.

6. Engineer's review and approval of a Shop Drawing or Sample, or of a variation from the requirements of the Contract Documents, will not, under any circumstances, change the Contract Times or Contract Price, unless such changes are included in a Change Order.

7. Neither Engineer's receipt, review, acceptance, or approval of a Shop Drawing or Sample will result in such item becoming a Contract Document.

8. Contractor shall perform the Work in compliance with the requirements and commitments set forth in approved Shop Drawings and Samples, subject to the provisions of Paragraph 7.16.C.4.

D. *Resubmittal Procedures for Shop Drawings and Samples*

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall direct specific attention in writing to revisions other than the corrections called for by Engineer on previous Submittals.

2. Contractor shall furnish required Shop Drawing and Sample submittals with sufficient information and accuracy to obtain required approval of an item with no more than two resubmittals. Engineer will record Engineer's time for reviewing a third or subsequent resubmittal of a Shop Drawing or Sample, and Contractor shall be responsible for Engineer's charges to Owner for such time. Owner may impose a set-off against payments due Contractor to secure reimbursement for such charges.

3. If Contractor requests a change of a previously approved Shop Drawing or Sample, Contractor shall be responsible for Engineer's charges to Owner for its review time, and Owner may impose a set-off against payments due Contractor to secure reimbursement for such charges, unless the need for such change is beyond the control of Contractor.

7.17 *Contractor's General Warranty and Guarantee*

A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer is entitled to rely on Contractor's warranty and guarantee.

B. Owner's rights under this warranty and guarantee are in addition to, and are not limited by, Owner's rights under the correction period provisions of Paragraph 15.08. The time in which Owner may enforce its warranty and guarantee rights under this Paragraph 7.17 is limited only by applicable Laws and Regulations restricting actions to enforce such rights; provided, however, that after the end of the correction period under Paragraph 15.08:

1. Owner shall give Contractor written notice of any defective Work within sixty (60) days of the discovery that such Work is defective; and

2. Such notice will be deemed the start of an event giving rise to a Claim under Paragraph 12.01.B, such that any related Claim must be brought within thirty (30) days of the notice.

C. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:

1. abuse, or improper modification, maintenance, or operation, by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or

2. normal wear and tear under normal usage.

D. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents is absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents, a release of Contractor's obligation to perform the Work in accordance with the Contract

Documents, or a release of Owner's warranty and guarantee rights under this Paragraph 7.17:

1. Observations by Engineer;
2. Recommendation by Engineer or payment by Owner of any progress or final payment;
3. The issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;
4. Use or occupancy of the Work or any part thereof by Owner;
5. Any review and approval of a Shop Drawing or Sample submittal;
6. The issuance of a notice of acceptability by Engineer;
7. The end of the correction period established in Paragraph 15.08;
8. Any inspection, test, or approval by others; or
9. Any correction of defective Work by Owner.

E. If the Contract requires the Contractor to accept the assignment of a contract entered into by Owner, then the specific warranties, guarantees, and correction obligations contained in the assigned contract will govern with respect to Contractor's performance obligations to Owner for the Work described in the assigned contract.

F. Upon final payment, the Contractor must assign and transfer to Owner all guarantees, warranties, and agreements from and with all contractors, subcontractors, vendors, suppliers, and manufacturers regarding their performance, quality of workmanship, or quality of materials supplied in connection with the work. Contractor represents and warrants that all such guarantees, warranties, and agreements will be in place and enforceable by the Owner in accordance with their terms. The Owner, however, will not assume through any assignment or transfer required under this subparagraph any of the Contractor's payment obligation to any entity.

7.18 *Indemnification*

A. To the fullest extent permitted by Laws and Regulations, and in addition to any other obligations of Contractor under the Contract or otherwise, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, members, partners, employees, agents, consultants and subcontractors of each and any of them, from losses, damages, costs, and judgments (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) arising from third-party claims or actions relating to or resulting from the performance or furnishing of the Work, provided that any such claim, action, loss, cost, judgment or damage is attributable to bodily injury, sickness, disease, or death, or to damage to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom, but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable.

B. In any and all claims against Owner or Engineer, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly

employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 7.18.A will not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.

7.19 *Delegation of Professional Design Services*

A. Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable Laws and Regulations.

B. If professional design services or certifications by a design professional related to systems, materials, or equipment are specifically required of Contractor by the Contract Documents, Owner and Engineer will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to Engineer.

C. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy, and completeness of the services, certifications, and approvals performed or provided by the design professionals retained or employed by Contractor under an Owner-delegated design, subject to the professional standard of care and the performance and design criteria stated in the Contract Documents.

D. Pursuant to this Paragraph 7.19, Engineer's review, approval, and other determinations regarding design drawings, calculations, specifications, certifications, and other Submittals furnished by Contractor pursuant to an Owner-delegated design will be only for the following limited purposes:

1. Checking for conformance with the requirements of this Paragraph 7.19;

2. Confirming that Contractor (through its design professionals) has used the performance and design criteria specified in the Contract Documents; and

3. Establishing that the design furnished by Contractor is consistent with the design concept expressed in the Contract Documents.

E. Contractor shall not be responsible for the adequacy of performance or design criteria specified by Owner or Engineer.

F. Contractor is not required to provide professional services in violation of applicable Laws and Regulations.

ARTICLE 8—OTHER WORK AT THE SITE

8.01 *Other Work*

A. In addition to and apart from the Work under the Contract Documents, the Owner may perform other work at or adjacent to the Site. Such other work may be performed by

Owner's employees, or through contracts between the Owner and third parties. Owner may also arrange to have third-party utility owners perform work on their utilities and facilities at or adjacent to the Site.

B. If Owner performs other work at or adjacent to the Site with Owner's employees, or through contracts for such other work, then Owner shall give Contractor written notice thereof prior to starting any such other work. If Owner has advance information regarding the start of any third-party utility work that Owner has arranged to take place at or adjacent to the Site, Owner shall provide such information to Contractor.

C. Contractor shall afford proper and safe access to the Site to each contractor that performs such other work, each utility owner performing other work, and Owner, if Owner is performing other work with Owner's employees, and provide a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such other work.

D. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering such work; provided, however, that Contractor may cut or alter others' work with the written consent of Engineer and the others whose work will be affected.

E. If the proper execution or results of any part of Contractor's Work depends upon work performed by others, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies in such other work.

8.02 *Coordination*

A. If Owner intends to contract with others for the performance of other work at or adjacent to the Site, to perform other work at or adjacent to the Site with Owner's employees, or to arrange to have utility owners perform work at or adjacent to the Site, the following will be set forth in the City of Gahanna Standard General Conditions or provided to Contractor prior to the start of any such other work:

1. The identity of the individual or entity that will have authority and responsibility for coordination of the activities among the various contractors;

2. An itemization of the specific matters to be covered by such authority and responsibility; and

3. The extent of such authority and responsibilities.

B. Unless otherwise provided in the City of Gahanna Standard General Conditions, Owner shall have sole authority and responsibility for such coordination.

8.03 *Legal Relationships*

A. If, in the course of performing other work for Owner at or adjacent to the Site, the Owner's employees, any other contractor working for Owner, or any utility owner that Owner has arranged to perform work, causes damage to the Work or to the property of Contractor or its Subcontractors, or delays, disrupts, interferes with, or increases the scope or cost of the performance of the Work, through actions or inaction, then

Contractor shall be entitled to an equitable adjustment in the Contract Price or the Contract Times. Contractor must submit any Change Proposal seeking an equitable adjustment in the Contract Price or the Contract Times under this paragraph within five(5) business days of the damaging, delaying, disrupting, or interfering event. The entitlement to, and extent of, any such equitable adjustment will take into account information (if any) regarding such other work that was provided to Contractor in the Contract Documents prior to the submittal of the Bid or the final negotiation of the terms of the Contract, and any remedies available to Contractor under Laws or Regulations concerning utility action or inaction. When applicable, any such equitable adjustment in Contract Price will be conditioned on Contractor assigning to Owner all Contractor's rights against such other contractor or utility owner with respect to the damage, delay, disruption, or interference that is the subject of the adjustment. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

B. Contractor shall take reasonable and customary measures to avoid damaging, delaying, disrupting, or interfering with the work of Owner, any other contractor, or any utility owner performing other work at or adjacent to the Site.

   1. If Contractor fails to take such measures and as a result damages, delays, disrupts, or interferes with the work of any such other contractor or utility owner, then Owner may impose a set-off against payments due Contractor, and assign to such other contractor or utility owner the Owner's contractual rights against Contractor with respect to the breach of the obligations set forth in this Paragraph 8.03.B.

   2. When Owner is performing other work at or adjacent to the Site with Owner's employees, Contractor shall be liable to Owner for damage to such other work, and for the reasonable direct delay, disruption, and interference costs incurred by Owner as a result of Contractor's failure to take reasonable and customary measures with respect to Owner's other work. In response to such damage, delay, disruption, or interference, Owner may impose a set-off against payments due Contractor.

C. If Contractor damages, delays, disrupts, or interferes with the work of any other contractor, or any utility owner performing other work at or adjacent to the Site, through Contractor's failure to take reasonable and customary measures to avoid such impacts, or if any claim arising out of Contractor's actions, inactions, or negligence in performance of the Work at or adjacent to the Site is made by any such other contractor or utility owner against Contractor, Owner, or Engineer, then Contractor shall (1) promptly attempt to settle the claim as to all parties through negotiations with such other contractor or utility owner, or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law, and (2) indemnify and hold harmless the Owner, Engineer and their agents and assigns.

ARTICLE 9—OWNER'S RESPONSIBILITIES

9.01 *Communications to Contractor*

A. Except as otherwise provided in these City of Gahanna Standard General Conditions, Owner shall issue all communications to Contractor through Engineer or the Resident Project Representative.

9.02 *Replacement of Engineer*

A. Owner may at its discretion appoint an engineer to replace Engineer. The replacement engineer's status under the Contract Documents will be that of the former Engineer.

9.03 *Furnish Data*

A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

9.04 *Pay When Due*

A. Payments to Contractor shall be as provided in the Agreement.

9.05 *Lands and Easements; Reports, Tests, and Drawings*

A. Owner's duties with respect to providing lands and easements are set forth in Paragraph 5.01.

B. Owner's duties with respect to providing engineering surveys to establish reference points are set forth in Paragraph 4.03.

C. Article 5 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of conditions at the Site, and drawings of physical conditions relating to existing surface or subsurface structures at the Site.

9.06 *Insurance*

A. Owner's responsibilities, if any, with respect to purchasing and maintaining liability and property insurance are set forth in Article 6.

9.07 *Change Orders*

A. Owner's responsibilities with respect to Change Orders are set forth in Article 11.

9.08 *Inspections, Tests, and Approvals*

A. Owner's responsibility with respect to certain inspections, tests, and approvals is set forth in Paragraph 14.02.

9.09 *Limitations on Owner's Responsibilities*

A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform and inspect the Work in accordance with the Contract Documents.

9.10 *Undisclosed Hazardous Environmental Condition*

A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 5.06.

9.11 *Evidence of Financial Arrangements*

A. The Owner shall provide the Contractor with a certificate from its fiscal officer as to the availability of funds.

9.12 *Safety Programs*

A. While at the Site, Owner's employees and representatives shall comply with the specific applicable requirements of Contractor's safety programs of which Owner has been informed.

B. Owner shall furnish copies of any applicable Owner safety programs to Contractor.

ARTICLE 10—ENGINEER'S STATUS DURING CONSTRUCTION

10.01 *Owner's Representative*

A. Engineer will be Owner's representative during the construction period. The Engineer's duties and responsibilities during the construction period are in addition to the duties and responsibilities of the Owner's Representative, as reference in the Agreement. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract. Documents will not be changed without written consent of Owner and Engineer.

10.02 *Visits to Site*

A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe, as an experienced and qualified design professional, the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 10.07. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work, Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

10.03 *Resident Project Representative*

A. Owner may furnish a Resident Project Representative to represent Engineer at the Site and assist Engineer in observing the progress and quality of the Work, then the authority and responsibilities of any such Resident Project Representative will be as provided in the City of Gahanna Standard General Conditions, and limitations on the responsibilities thereof will be as provided in the City of Gahanna Standard General Conditions and in Paragraph 10.07.

B. If Owner designates a representative or agent to represent Owner at the Site who is not Engineer's consultant, agent, or employee, the responsibilities and authority and limitations thereon of such other individual will be subject to the Contract Documents,

specifically including the requirement in the Agreement that any Change Order or other Modification be authorized by the Owner.

C. The Resident Project Representative shall not:

1. Authorize any deviation from the Contract Documents or substitutions of materials or equipment, unless authorized by the Owner.

2. Undertake any of the responsibilities of Contractor, Subcontractor or Contractor's superintendent.

3. Advise on issues directives relative to or assume control over any aspect of the means, methods, techniques, sequences, or procedures of construction.

4. Advise on, issues directives regarding, or assume control over, safety precautions and programs in connection with the Work.

5. Accept shop drawing or sample submittals from anyone other than Contractor.

6. Exceed limitations of Engineers' authority as set forth in the Contract Documents.

7. Authorize owner to occupy the Project in whole or in part.

8. Participate in specialized field or laboratory tests or inspections conducted by others except as specifically authorized by Engineer.

10.04 *Engineer's Authority*

A. Engineer has the authority to reject Work in accordance with Article 14.

B. Engineer's authority as to Submittals is set forth in Paragraph 7.16.

C. Engineer's authority as to design drawings, calculations, specifications, certifications and other Submittals from Contractor in response to Owner's delegation (if any) to Contractor of professional design services, is set forth in Paragraph 7.19.

D. Engineer's authority as to changes in the Work is set forth in Article 11.

E. Engineer's authority as to Applications for Payment is set forth in Article 15.

10.05 *Determinations for Unit Price Work*

A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor as set forth in Paragraph 13.03.

B. Unit Price Work for which a typical cross section or other detail from the Contract Documents applies shall be paid only up to the quantity determined by using the dimensions provided in the typical cross section or other detail. By way of example, this provision means that if a typical trench width detail in the Drawings shows a maximum width of 30-inches, all pay quantities associated with the actual work of constructing the detail shall be calculated using a trench width not greater than 30-inches. This means that the actual pay quantity could also be less than that based upon a 30-inch wide trench, if the actual trench width is smaller and otherwise in conformance with the Contract Documents, but the Contractor would not be paid more if the actual trench width exceeds 30 inches. Contractor is responsible for determining what actual trench width may be required due to field conditions and applicable laws and regulations existing at the time of its bid.

10.06 *Decisions on Requirements of Contract Documents and Acceptability of Work*

A. Engineer will render decisions regarding the requirements of the Contract Documents, and judge the acceptability of the Work, pursuant to the specific procedures set forth herein for initial interpretations, Change Proposals, and acceptance of the Work. In rendering such decisions and judgments, Engineer will not show partiality to Owner or Contractor, and will not be liable to Owner, Contractor, or others in connection with any proceedings, interpretations, decisions, or judgments conducted or rendered in good faith.

10.07 *Limitations on Engineer's Authority and Responsibilities*

A. Neither Engineer's authority or responsibility under this Article 10 or under any other provision of the Contract, nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer, will create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.

D. Engineer's review of the final Application for Payment and accompanying documentation, and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Contractor under Paragraph 15.06.A, will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals, that the results certified indicate compliance with the Contract Documents.

E. The limitations upon authority and responsibility set forth in this Paragraph 10.07 also apply to the Resident Project Representative, if any.

10.08 *Compliance with Safety Program*

A. While at the Site, Engineer's employees and representatives will comply with the specific applicable requirements of Owner's and Contractor's safety programs of which Engineer has been informed.

ARTICLE 11—CHANGES TO THE CONTRACT

11.01 *Amending and Supplementing the Contract*

A. The Contract may be amended or supplemented by a Change Order, a Work Change Directive, or a Field Order.

B. If an amendment or supplement to the Contract includes a change in the Contract Price or the Contract Times, such amendment or supplement must be set forth in a Change Order.

C. All changes to the Contract that involve (1) the performance or acceptability of the Work, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, must be supported by Engineer's recommendation. Owner and Contractor may amend other terms and conditions of the Contract without the recommendation of the Engineer.

11.02 *Change Orders*

A. Owner and Contractor shall execute appropriate Change Orders covering:

1. Changes in Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive;

2. Changes in Contract Price resulting from an Owner set-off, unless Contractor has duly contested such set-off;

3. Changes in the Work which are: (a) ordered by Owner pursuant to Paragraph 11.05, (b) required because of Owner's acceptance of defective Work under Paragraph 14.04 or Owner's correction of defective Work under Paragraph 14.07, or (c) agreed to by the parties, subject to the need for Engineer's recommendation if the change in the Work involves the design (as set forth in the Drawings, Specifications, or otherwise) or other engineering or technical matters; and

4. Changes that embody the substance of any final and binding results under: Paragraph 11.03.B, resolving the impact of a Work Change Directive; Paragraph 11.09, concerning Change Proposals; Article 12, Claims; Paragraph 13.02.D, final adjustments resulting from allowances; Paragraph 13.03.D, final adjustments relating to determination of quantities for Unit Price Work; and similar provisions.

B. Agreement on any Change Order shall constitute a final settlement of all matters relating to the change in the Work that is the subject of the Change Order, including, without limitation, all direct and indirect costs associated with such change and any and all adjustments to the Contract Price and Contract Times, unless the Contractor submits a Change Proposal and Claim in accordance with the Contract Documents.

C. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contact Price or Contract Times, or both, that should be allowed as a Work Change Directive, a Claim by be made therefor as provided in Article 12.

11.03 *Work Change Directives*

A. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the modification ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order, following negotiations by the parties as to the Work Change Directive's effect, if any, on the Contract Price and Contract Times; or, if negotiations are unsuccessful, by a determination under the terms of the Contract Documents governing adjustments, expressly including Paragraph 11.07 regarding change of Contract Price.

B. If Owner has issued a Work Change Directive and:

1. Contractor believes that an adjustment in Contract Times or Contract Price is necessary, then Contractor shall submit any Change Proposal seeking such an adjustment no later than thirty (30) days after the completion of the Work set out in the Work Change Directive.

11.04 *Field Orders*

A. Engineer may authorize minor changes in the Work if the changes do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Such changes will be accomplished by a Field Order and will be binding on Owner and also on Contractor, which shall perform the Work involved promptly.

B. If Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, then before proceeding with the Work at issue, Contractor shall submit a Claim as provided herein.

11.05 *Owner-Authorized Changes in the Work*

A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work. Changes involving the design (as set forth in the Drawings, Specifications, or otherwise) or other engineering or technical matters will be supported by Engineer's recommendation.

B. Such changes in the Work may be accomplished by a Change Order, if Owner and Contractor have agreed as to the effect, if any, of the changes on Contract Times or Contract Price; or by a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved; or, in the case of a deletion in the Work, promptly cease construction activities with respect to such deleted Work. Added or revised Work must be performed under the applicable conditions of the Contract Documents.

C. Nothing in this Paragraph 11.05 obligates Contractor to undertake work that Contractor reasonably concludes cannot be performed in a manner consistent with Contractor's safety obligations under the Contract Documents or Laws and Regulations.

D. Should the Contractor conclude that an unsafe condition exists, Contractor shall, upon recognizing the condition, immediately stop Work in the affected area and report the condition to the Owner, and Engineer in writing. Upon receipt of the Contractor's written notice, the Owner shall obtain the services of a third-party to verify the presence or absence of the unsafe condition reported by the Contractor and, in the event such condition is found to be present, to cause it to be rendered harmless. If such third-party determines that a hazardous condition exists, the costs of such third-party along with the costs of rendering the condition harmless shall be at the Owner's expense. If such third-party determines that a hazardous or unsafe condition does not exist, the costs of the third-party shall be at the Contractor's expense, provided such unsafe condition was not caused by the Contractor or any of its consultants, subcontractors or suppliers, of any tier. Work in the affected area shall be resumed immediately following the occurrence of any one of the following events: (I) the Owner causes remedial work to be performed that results in the hazardous condition being rendered harmless; or (ii) the Owner and the Contractor, by written agreement, decide to resume

performance of the Work; or (iii) the Work may safely and lawfully proceed using appropriate protective measures, as determined by a competent person employed by the Owner.

11.06 *Unauthorized Changes in the Work*

A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents, as amended, modified, or supplemented, except in the case of an emergency as provided in Paragraph 7.15 or in the case of uncovering Work as provided in Paragraph 14.05.C.2.

B. Contractor shall not proceed with any change in the Work without the appropriate written authorization. The Contractor's failure to obtain prior written authorization for a change in the Work shall constitute a waiver by the Contractor of an adjustment to the Contract Price or Contract Time for the related Work.

11.07 *Change of Contract Price*

A. The Contract Price may only be changed by a Change Order. Any Claim for an adjustment of Contract Price must comply with the provisions of Article 12.

B. An adjustment in the Contract Price will be determined as follows:

1. Where the Work involved is covered by unit prices contained in the Contract Documents, then by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 13.03);

2. Where the Work involved is not covered by unit prices contained in the Contract Documents, then by a mutually agreed lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 11.07.C.2); or

3. Where the parties do not reach mutual agreement to a lump sum, then on the basis of the Cost of the Work (determined as provided in Paragraph 13.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 11.07.C).

C. *Contractor's Fee*: When applicable, the Contractor's fee for overhead and profit will be determined as follows, and is the maximum total allowable amount:

1. A mutually acceptable fixed fee; or

2. If a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:

a. For costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2, the Contractor's fee will be fifteen (15) percent;

b. For costs incurred under Paragraph 13.01.B.3, the Contractor's fee will be five (5) percent;

c. Where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraphs 11.07.C.2.a and 11.07.C.2.b is that the Contractor's fee will be based on: (1) a fee of fifteen (15) percent of the costs incurred under Paragraphs 13.01.B.1 and 13.01.B.2 by the Subcontractor that actually performs the Work, at whatever tier, and (2) with respect to Contractor itself and to any Subcontractors of a tier higher than that of the Subcontractor that

actually performs the Work, a fee of five (5) percent of the amount (fee plus underlying costs incurred) attributable to the next lower tier Subcontractor; provided, however, that for any such subcontracted Work the maximum total fee to be paid by Owner will be no greater than twenty-seven (27) percent of the costs incurred by the Subcontractor that actually performs the Work;

d. No fee will be payable on the basis of costs itemized under Paragraphs 13.01.B.4, 13.01.B.5, and 13.01.C;

e. The amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in Cost of the Work will be the amount of the actual net decrease in Cost of the Work and a deduction of an additional amount equal to 5 percent of such actual net decrease in Cost of the Work; and

f. When both additions and credits are involved in any one change the adjustment in Contractor's fee shall be computed on the basis of the net change in accordance with Paragraphs 11.07.C.2.a through 11.07.C.2.e.

11.08 *Change of Contract Times*

A. The Contract Times may only be changed by a Change Order. Any Claim for an adjustment in the Contract Times must comply with the provisions of Article 12.

B. An adjustment of the Contract Times shall be subject to the limitations set forth in Paragraph 4.05, concerning delays in Contractor's progress

11.09 *Change Proposals*

A. *Purpose and Content*: Contractor shall submit a Change Proposal to Engineer to request an adjustment in the Contract Times or Contract Price; contest an initial decision by Engineer concerning the requirements of the Contract Documents or relating to the acceptability of the Work under the Contract Documents; challenge a set-off against payment due; or seek other relief under the Contract. The Change Proposal will specify any proposed change in Contract Times or Contract Price, or other proposed relief, and explain the reason for the proposed change, with citations to any governing or applicable provisions of the Contract Documents. Each Change Proposal will address only one issue, or a set of closely related issues.

B. *Change Proposal Procedures*

1. Procedures: Contractor shall submit each Change Proposal to Engineer promptly (but in no event later than five (5) business days) after the start of the event giving rise thereto, or after such initial decision. The Contractor's obligation to deliver a fully completed Change Proposal within such five (5) business-day period is a material term of the Contract Documents and provides the Owner with the opportunity to mitigate its damages. Failure to provide a written Change Proposal within the time period specified herein shall constitute a waiver by the Contractor of its rights to an adjustment to the Contract Time or Contract Price for the Work that is the subject matter of the Change Proposal. The Contractor shall submit supporting data, including the proposed change in Contract Price or Contract Time (if any), to the Engineer and Owner within five (5) business days after the submittal of the Change Proposal. The supporting data shall be accompanied by a written statement that the supporting data are accurate and complete, and that any requested time or price adjustment is the entire adjustment to which Contractor believes it is entitled as a result of said event. Engineer will advise Owner regarding

the Change Proposal, and consider any comments or response from Owner regarding the Change Proposal.

2. *Engineer's Action:* Engineer will review each Change Proposal and, within ten (10) business days after receipt of the Contractor's supporting data, either deny the Change Proposal in whole, approve it in whole, or deny it in part and approve it in part. Such actions shall be in writing, with a copy provided to Owner and Contractor. If Engineer does not take action on the Change Proposal within ten (10) business days, then the Change Proposal is deemed denied, thereby commencing the time for appeal of the denial under Article 12.5. *Binding Decision*: Engineer's decision is final and binding upon Owner and Contractor, unless Owner or Contractor appeals the decision by filing a Claim under Article 12.

C. *Resolution of Certain Change Proposals*: If the Change Proposal does not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters, then Engineer will notify the parties in writing that the Engineer is unable to resolve the Change Proposal. For purposes of further resolution of such a Change Proposal, such notice will be deemed a denial, and Contractor may choose to seek resolution under the terms of Article 12.

D. *Post-Completion*: Contractor shall not submit any Claim after Engineer issues a written recommendation of final payment pursuant to Paragraph 15.06.B.

11.10 *Notification to Surety*

A. If the provisions of any bond require notice to be given to a surety of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times), the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change, and the surety shall be obligated, with respect to any change, regardless of any failure to provide notice to the surety of any such change. Failure to provide notice to the surety of any such change shall not exonerate the surety from its obligations under the bond.

ARTICLE 12—CLAIMS

12.01 *Claims*

A. *Claims Process*: The following disputes between Owner and Contractor are subject to the Claims process set forth in this article:

1. Appeals by Owner or Contractor of Engineer's decisions regarding Change Proposals;

2. Owner demands for adjustments in the Contract Price or Contract Times, or other relief under the Contract Documents;

3. Disputes that Engineer has been unable to address because they do not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters; and

4. Subject to the waiver provisions of Paragraph 15.07, any dispute arising after Engineer has issued a written recommendation of final payment pursuant to Paragraph 15.06.B.

B. *Submittal of Claim*: The Contractor shall deliver its claim directly to the Owner promptly (but in no event later than ten (10) days) after the start of the event giving rise thereto;

in the case of appeals regarding Change Proposals within ten (10) days of the decision under appeal. The Contractor shall also furnish a copy to the Engineer, for its information only. The responsibility to substantiate a Claim shall rest with the party making the Claim. For each Claim the Contractor shall deliver a fully completed Statement of Claim Form, a copy of which form is a Contract Document, to the Engineer and the Owner. The Contractor shall be responsible for substantiating its Claim. The Contractor's failure to deliver a fully completed Statement of Claim form in accordance with this Agreement shall be an irrevocable waiver of the Contractor's right to any form of additional compensation, be it in time or money, arising out of the claim or the circumstances underlying the Claim. The Contractor's obligation to deliver a fully completed Statement of Claim within such ten (10)-day period is a material term of the Contract Documents and provides the Owner with the opportunity to mitigate its damages

C. Failure to provide written notice of a Claim as specified herein shall constitute a waiver by the Contractor of any Claim for adjustment to the Contract Time or Contract Price.

   1. *False or Fraudulent Claim*. The Contractor shall not knowingly present or cause to be presented to the Owner a false or fraudulent Claim. Knowingly shall have the same meaning as in Section 3729(b) USC of the Federal False Claims Act. If the Contractor knowingly presents or causes to be presented a false or fraudulent Claim, then the Contractor shall be liable to the Owner for the same civil penalty and damages as the United States Government would be entitled to recover under such Section 3729(a) USC and shall also indemnify and hold the Owner harmless from all costs and expenses, including Owner's attorneys' and consultants' fees and expenses incurred in investigating and defending against such Claim and in pursuing the collection of such penalty, damages and fees and expenses.

   2. *Claim Documentation:* Within ten (10) days of written request from the Owner, Contractor shall make available to Owner or its representative any books, records, or other documents in its possession or to which it has access, including but not limited to Contractor's daily logs/reports, original estimates of Work and applicable agreements, correspondence with subcontractors and suppliers, internal correspondence (including e-mail), accounting records, and other information from which the Contractor's costs may be derived. To the extent permitted by law, the Owner shall keep the Project accounting records and estimate for the Project confidential. As requested by the Owner, the Contractor shall provide such documents and information in paper copies and/or computer format (including the format of the Contractor's accounting software and/or ASCII format). The Contractor's provision of the requested documents and information shall be a condition precedent to any further proceeding under the Contract Documents or to payment of an Application for Payment

D. Failure to provide the requested documents shall be a material breach of the Contract, and Contractor shall indemnify Owner for all of Owner's costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to Contractor's failure to comply with this provision. If the Contractor fails to provide the requested documents, the Contractor shall be precluded from presenting such documents in any subsequent dispute resolution proceedings, if the data was reasonably available at the time of the request.

C. *Review and Resolution*: Engineer will review each Claim from Contractor and, withing fourteen (14) calendar days after receipt of the Statement of the Claim Form, take one of the following actions in writing: 1) Deny the Claim in whole or in part; 2) approve the Claim; or 3) notify the parties that the Engineer is unable to resolve the Claim if, in the Engineer's sole discretion, it would be inappropriate for the Engineer to do so. For purposes of further resolution of the Claim, such notice shall be deemed a denial. In the even the Engineer does not take action on a Claim within said fourteen (14) calendar days, the Claim shall be denied.

D. *Mediation*

1. Any claim not resolved through direct negotiation of the parties, within thirty (30) days of the date of the claim, shall be subject to mediation.

2. Owner and Contractor shall each pay one-half of the mediator's fees and costs.

E. Any Claim not resolved through mediation shall be subject to the procedure set forth in Article 17 for the final resolution of disputes.

F. Final and Binding Results: If the parties reach a mutual agreement regarding a Claim, whether through approval of the Claim, direct negotiations, mediation, or otherwise; or if a Claim is approved in part and denied in part, or denied in full, and such actions become final and binding; then the results of the agreement or action on the Claim shall be incorporated in a Change Order to the extent they affect the Contract, including the Work, the Contract Times, or the Contract Price.

G. IN THE EVENT THAT CONTRACTOR FILES A CLAIM OR FILES AN ACTION AGAINST OWNER, OWNER SHALL BE ENTITLED TO MAKE AN OFFER OF SETTLEMENT OF THE CLAIM TO CONTRACTOR AT ANY TIME UP TO THE DATE OF TRIAL. SUCH OFFER OF SETTLEMENT SHALL NOT BE ADMISSIBLE INTO EVIDENCE AT THE LITIGATION EXCEPT ON THE ISSUE OF ENTITLEMENT TO RECOVERY OF ATTORNEYS' FEES, COSTS, AND EXPENSES. IF AT ANY STAGE OF THE LITIGATION, INCLUDING ANY APPEALS, CONTRACTOR'S CLAIM IS DISMISSED OR FOUND TO BE WITHOUT MERIT, OR IF THE DAMAGES AWARDED TO CONTRACTOR ON ITS CLAIM DO NOT EXCEED OWNER'S OFFER OF SETTLEMENT, CONTRACTOR SHALL BE LIABLE TO OWNER AND SHALL REIMBURSE OWNER FOR ALL ATTORNEYS FEES, COSTS AND EXPENSES INCURRED BY OWNER FROM THE DATE OF THE OFFER OF SETTLEMENT UNTIL THE DATE OF THE FINAL ADJUDICATION AND RESOLUTION OF CONTRACTOR'S CLAIM.

ARTICLE 13—COST OF THE WORK; ALLOWANCES

13.01 *Cost of the Work*

A. *Purposes for Determination of Cost of the Work*: The term Cost of the Work means the sum of all costs necessary for the proper performance of the Work at issue, as further defined below. The provisions of this Paragraph 13.01 are used for two distinct purposes:

1. To determine Cost of the Work when Cost of the Work is a component of the Contract Price, under cost-plus-fee, time-and-materials, or other cost-based terms; or

2. When needed to determine the value of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price. When the value of any such adjustment is determined on the basis of Cost of the Work, Contractor is entitled only to those additional or incremental costs required because of the change in the Work or because of the event giving rise to the adjustment.

B. *Costs Included*: Except as otherwise may be agreed to in writing by Owner, costs included in the Cost of the Work will be in amounts no higher than those commonly incurred in the locality of the Project, will not include any of the costs itemized in Paragraph 13.01.C, and will include only the following items:

1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor in advance of the subject Work. Such employees include, without limitation, superintendents, foremen, safety managers, safety representatives, and other personnel employed full time on the Work. Payroll costs for employees not employed full time on the Work will be apportioned on the basis of their time spent on the Work. Payroll costs include, but are not limited to, salaries and wages plus the cost of fringe benefits, which include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, sick leave, and vacation and holiday pay applicable thereto. The expenses of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, will be included in the above to the extent authorized by Owner.

2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts will accrue to Owner. All trade discounts, rebates, and refunds and returns from sale of surplus materials and equipment will accrue to Owner, and Contractor shall make provisions so that they may be obtained.

3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and Contractor and shall deliver such bids to Owner, which will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee will be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 13.01.

4. Costs of special consultants (including but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed or retained for services specifically related to the Work.

5. Other costs consisting of the following:

   a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's employees incurred in discharge of duties connected with the Work.

   b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, which are consumed in the performance of the Work, and cost, less market

value, of such items used but not consumed which remain the property of Contractor.

1) In establishing included costs for materials such as scaffolding, plating, or sheeting, consideration will be given to the actual or the estimated life of the material for use on other projects; or rental rates may be established on the basis of purchase or salvage value of such items, whichever is less. Contractor will not be eligible for compensation for such items in an amount that exceeds the purchase cost of such item.

c. *Construction Equipment Rental*

1) Rentals of all construction equipment and machinery, and the parts thereof, in accordance with rental agreements approved by Owner as to price (including any surcharge or special rates applicable to overtime use of the construction equipment or machinery), and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs will be in accordance with the terms of said rental agreements. The rental of any such equipment, machinery, or parts must cease when the use thereof is no longer necessary for the Work.

2) Costs for equipment and machinery owned by Contractor or a Contractor-related entity will be paid at a rate shown for such equipment in the equipment rental rate book specified in the City of Gahanna Standard General Conditions. An hourly rate will be computed by dividing the monthly rates by one-hundred seventy-six (176). These computed rates will include all operating costs.

3) With respect to Work that is the result of a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price ("changed Work"), included costs will be based on the time the equipment or machinery is in use on the changed Work and the costs of transportation, loading, unloading, assembly, dismantling, and removal when directly attributable to the changed Work. The cost of any such equipment or machinery, or parts thereof, must cease to accrue when the use thereof is no longer necessary for the changed Work. Costs for equipment and machinery owned by Contractor for which Contractor is seeking monetary compensation due to the equipment and machinery being idled through no cause of the Contractor will be paid at half-rate.

d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, as imposed by Laws and Regulations. This provision shall not be interpreted to mean taxes levied against the Contractor as a result of the type of commercial activity the Contractor engages in as defined in Ohio Revised Code Section 5751.02 or any other taxes levied against the Contractor and directly attributable to the Contractor's business activities.

e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.

f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in

connection with the performance of the Work (except losses and damages within the deductible amounts of builder's risk or other property insurance established in accordance with Paragraph 6), provided such losses and damages have resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses will be included in the Cost of the Work for the purpose of determining Contractor's fee.

g. The cost of utilities, fuel, and sanitary facilities at the Site.

h. Minor expenses such as communication service at the Site, express and courier services, and similar petty cash items in connection with the Work.

i. The costs of premiums for all bonds and insurance that Contractor is required by the Contract Documents to purchase and maintain.

C. *Costs Excluded*: The term Cost of the Work does not include any of the following items:

1. Payroll costs and other compensation of Contractor's officers, executives, principals, general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expediters, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 13.01.B.1 or specifically covered by Paragraph 13.01.B.4. The payroll costs and other compensation excluded here are to be considered administrative costs covered by the Contractor's fee.

2. The cost of purchasing, renting, or furnishing small tools and hand tools.

3. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.

4. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.

5. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.

6. Expenses incurred in preparing and advancing Claims.

7. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraph 13.01.B.

D. *Contractor's Fee*

1. When the Work as a whole is performed on the basis of cost-plus, Contractor's fee shall be determined as set forth in the Agreement. When the value of any Work covered by a Change Order, Change Proposal, Claim, set-off, or other adjustment in Contract Price is determined on the basis of Cost of the Work, Contractor's fee shall be determined as set forth in Paragraph 11.07.C.

E. *Documentation and Audit*: Whenever the Cost of the Work for any purpose is to be determined pursuant to this Article 13, Contractor and pertinent Subcontractors will

establish and maintain records of the costs in accordance with generally accepted accounting practices. Subject to prior written notice, Owner will be afforded reasonable access, during normal business hours, to all Contractor's accounts, records, books, correspondence, instructions, drawings, receipts, vouchers, memoranda, and similar data relating to the Cost of the Work and Contractor's fee. Contractor shall preserve all such documents for a period of three years after the final payment by Owner. Pertinent Subcontractors will afford such access to Owner, and preserve such documents, to the same extent required of Contractor.

13.02 *Allowances*

A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.

B. *Cash Allowances*: Contractor agrees that:

1. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and

2. Contractor's costs for unloading and handling on the Site, labor, installation, overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment for any of the foregoing will be valid.

C. *Owner's Contingency Allowance*: Contractor agrees that an Owner's contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.

D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor for Work covered by allowances, and the Contract Price will be correspondingly adjusted.

13.03 *Unit Price Work*

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.

B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Payments to Contractor for Unit Price Work will be based on actual quantities.

C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

D. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, and the final adjustment of Contract Price will be set forth in a Change Order, subject to the provisions of the following paragraph.

E. Within thirty (30) days of Engineer's written decision under the preceding paragraph, Contractor may submit a Change Proposal, or Owner may file a Claim, seeking an adjustment in the Contract Price if:

1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement;

2. there is no corresponding adjustment with respect to any other item of Work; and

3. Contractor believes that it is entitled to an increase in contract price as a result of having incurred additional expense or owner believes that owner is entitled to a decrease in contract price, and the parties are unable to agree as to the amount of any such increase or decrease.

4. Where unit prices are requested in the Bid Form for a Prime Contract on which the Bidder submits a bid, the Bidder should quote a unit price. Unless otherwise expressly provided in the Bid Documents, such unit prices shall include all labor, materials, and services necessary for the timely and proper installation of the item for which the unit prices are requested. The unit prices quoted in the bid shall be the basis for any Change Orders entered into under the Owner-Contractor Agreement, unless the Design Professional determines that the use of such unit prices will cause substantial inequity to either the Contractor or the Owner.

ARTICLE 14—TESTS AND INSPECTIONS; CORRECTION, REMOVAL, OR ACCEPTANCE OF DEFECTIVE WORK.

14.01 *Access to Work*

A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and authorities having jurisdiction have access to the Site and the Work at reasonable times for their observation, inspection, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's safety procedures and programs so that they may comply with such procedures and programs as applicable.

14.02 *Tests, Inspections, and Approvals*

A. All Work is subject to testing to indicate compliance with the Contract Documents requirements. Duplicate copies of test results required shall be submitted to the Engineer. Testing laboratories used by Contractor are subject to the approval of Owner. Tests and inspection of work may be conducted by Owner or an independent laboratory employed by Owner. Tests may also be performed in the field by Engineer as a basis for acceptance of the Work. Contractor shall give Engineer timely notice of readiness of the Work (or specific parts thereof) for all required inspections and tests, and shall cooperate with inspection and testing personnel to facilitate required inspections and tests. Samples required for testing shall be furnished by Contractor at no cost to Owner. In the even that completed Work does not conform to specification requirements during the initial test, the Work shall be corrected and retested for conformance. The Entire cost of retesting completed Work shall be borne

by the Contractor. This shall include the extra cost for inspection to Owner which will be deducted from the final amount due the Contractor.

B. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.

C. Contractor shall be responsible for arranging, obtaining, and paying for all inspections and tests required:

1. by the Contract Documents, unless the Contract Documents expressly allocate responsibility for a specific inspection or test to Owner;
2. to attain Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work;
3. by manufacturers of equipment furnished under the Contract Documents;
4. for testing, adjusting, and balancing of mechanical, electrical, and other equipment to be incorporated into the Work; and
5. for acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work.

Such inspections and tests will be performed by independent inspectors, testing laboratories, or other qualified individuals or entities acceptable to Owner and Engineer. Tests required by the Contract Documents to be performed by Contractor that require test certificates to be submitted to Owner and Engineer for acceptance shall be made by an independent testing laboratory or agency licensed or certified in accordance with the Laws and Regulations and applicable state and local statutes. In the event state license or certification is not required, testing laboratories or agencies shall meet the following applicable requirements:

a. Recommended Requirements for Independent Laboratory Qualification, published by the American Council of Independent Laboratories.

b. Basic requirements of ASTM E329, Standard Specifications for Agencies Engaged in the Testing and/or Inspection of Materials used in Construction as appliable; or

c. Calibrate testing equipment at reasonable intervals by devices of accuracy traceable to with the National Institute of Standards an Technology or accepted values of natural physical constants.

D. If the Contract Documents require the Work (or part thereof) to be approved by Owner, Engineer, or another designated individual or entity, then Contractor shall assume full responsibility for arranging and obtaining such approvals.

E. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, Contractor shall, if requested by Engineer, uncover such Work for observation. Such uncovering will be at Contractor's expense unless Contractor had given Engineer timely notice of Contractor's intention to cover the same and Engineer had not acted with reasonable promptness in response to such notice.

14.03 *Defective Work*

A. *Contractor's Obligation*: It is Contractor's obligation to assure that the Work is not defective.

B. *Engineer's Authority*: Engineer has the authority to determine whether Work is defective, and to reject defective Work.

C. *Notice of Defects*: Prompt written notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor.

D. *Correction, or Removal and Replacement*: Promptly after receipt of written notice of defective Work and so as to not delay the Project, Contractor shall correct all such defective Work, whether or not fabricated, installed, or completed, or, if Owner or Engineer has rejected the defective Work, remove it from the Project and replace it with Work that is not defective. Excessive cost or delay caused by defective Work performed by the Contractor shall not be an excuse for lack of correction, removal or replacement as directed by the Owner.

E. *Preservation of Warranties*: When correcting defective Work, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.

F. *Costs and Damages*: In addition to its correction, removal, and replacement obligations with respect to defective Work, Contractor shall pay all claims, costs, losses, and damages arising out of or relating to defective Work, including but not limited to the cost of the inspection, testing, correction, removal, replacement, or reconstruction of such defective Work, fines levied against Owner by governmental authorities because the Work is defective, and the costs of repair or replacement of work of others resulting from defective Work. Prior to final payment, if Owner and Contractor are unable to agree as to the measure of such claims, costs, losses, and damages resulting from defective Work, then Owner may impose a reasonable set-off against payments due under Article 15.

14.04 *Acceptance of Defective Work*

A. If, instead of requiring correction or removal and replacement of defective Work, Owner prefers to accept it, Owner may do so (subject, if such acceptance occurs prior to final payment, to Engineer's confirmation that such acceptance is in general accord with the design intent and applicable engineering principles and will not endanger public safety). Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitrator or other dispute resolution costs) attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness), and for the diminished value of the Work to the extent not otherwise paid by Contractor. If any such acceptance occurs prior to Engineer's recommendation of final payment, the necessary revisions in the Contract Documents with respect to the Work will be incorporated in a Change Order. If the parties are unable to agree as to the decrease in the Contract Price, reflecting the diminished value of Work so accepted, then Owner may impose a reasonable set-off against payments due under Article 15. If the acceptance of defective Work occurs after final payment, Contractor shall pay an appropriate amount to Owner.

14.05 *Uncovering Work*

A. Engineer has the authority to require additional inspection or testing of the Work, whether or not the Work is fabricated, installed, or completed.

B. If any Work is covered contrary to the written request of Engineer, then Contractor shall, if requested by Engineer, uncover such Work for Engineer's observation, and then replace the covering, all at Contractor's expense.

C. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, then Contractor, at Engineer's request, shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, and provide all necessary labor, material, and equipment.

1. If it is found that the uncovered Work is defective, Contractor shall be responsible for all claims, costs, losses, and damages arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and pending Contractor's full discharge of this responsibility the Owner shall be entitled to impose a reasonable set-off against payments due under Article 15.

2. If the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, then Contractor may submit a Change Proposal within thirty (30) days of the determination that the Work is not defective.

14.06 *Owner May Stop the Work*

A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, fails to comply with any requirements of the Contract Documents, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, then Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work will not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

14.07 *Owner May Correct Defective Work*

A. If Contractor fails within two (2) business days (or such longer time as may be stated in the Notice) of a written notice from the Owner or Engineer to correct, or take reasonable steps to commence to correct, defective Work, or to remove and replace, or take responsible steps to commence to remove and replace rejected Work as required by Engineer, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, then Owner may, after seven (7) days written notice to Contractor, correct or remedy any such deficiency. In such case an appropriate Change Order shall be issued deducting from payments then or thereafter due the Contractor all the costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or

arbitration or other dispute resolution costs) incurred or sustained by Owner in exercising the rights and remedies under this Paragraph. If payments then or thereafter due the Contractor are not sufficient to cover such amounts, the Contractor shall pay the difference to the Owner. The Contractor irrevocably designates the Owner as the Contractor's attorney-in-fact to execute the Change Orders provided for in this Paragraph.

B. In exercising the rights and remedies under this Paragraph 14.07, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, and incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site to enable Owner to exercise the rights and remedies under this paragraph.

C. All claims, costs, losses, and damages incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 14.07 will be charged against Contractor as set-offs against payments due under Article 15. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by Owner of Owner's rights and remedies under this Paragraph 14.07.

ARTICLE 15—PAYMENTS TO CONTRACTOR; SET-OFFS; COMPLETION; CORRECTION PERIOD

15.01 *Progress Payments*

A. Basis for Progress Payments: The Schedule of Values established as provided in Article 2 will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed during the pay period, as determined under the provisions of Paragraph 13.03. Progress payments for cost-based Work will be based on Cost of the Work completed by Contractor during the pay period. The Engineer-approved version of the Application for Payment form, which includes information on completed Schedule of Values items, is to be used by the Contractor when making an Application for Progress Payment.

B. Applications for Payments:

1. Not more often than once every thirty (30) days, Contractor shall submit to Engineer for review an Application for Payment (including a Schedule of Values described in Paragraph 2.05.A of the Modified General Conditions) filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by a properly completed Contractor's Payment Application Checklist, all the documentation required to be submitted with such Checklist, and any other supporting documentation required by the Contract Documents or by the Engineer. The Application for Payment will be in the form and submitted with the

number of copies of it and all related documents as required by the Contract Documents. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens, and evidence that the materials and equipment are covered by appropriate property insurance, a warehouse bond, or other arrangements to protect Owner's interest therein, all of which must be satisfactory to Owner.

2. Beginning with the second Application for Payment, each Application shall include a) a Waiver and Release Agreement for itself and a Subcontractors – Suppliers Waiver and Release Agreement for each of its subcontractors, and b) a Contractor's Affidavit with List of Subcontractors and Suppliers with Amounts Withheld.

3. The amount of retainage with respect to payments will ~~be as stipulated in the Agreement.~~ be in accordance with Ohio Revised Code Section 153.12 (A). The Owner and the Contractor agree that there shall be no escrow account required in connection with the Project; nor, shall retainage earn interest.

4. The amount of retainage with respect to progress payments will ~~be as stipulated in the Agreement.~~ be in accordance with Ohio Revised Code Section 153.12 (A). The Owner may hold retainage up to one year past the project completion date should the Owner determine that the Contractor has not met the contract requirements.

C. *Review of Applications*

1. Engineer will, within ten (10) business days after receipt and acceptance of each Application for Payment, including each resubmittal, either indicate in writing a recommendation of payment and present the Application to Owner, or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.

2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations of the executed Work as an experienced and qualified design professional, and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:

   a. the Work has progressed to the point indicated;

   b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, the results of any subsequent tests called for in the Contract Documents, a final determination of quantities and classifications for Unit Price Work under Paragraph 13.03, and any other qualifications stated in the recommendation); and

   c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.

3. By recommending any such payment Engineer will not thereby be deemed to have represented that:
    a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract; or
    b. there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.
4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:
    a. to supervise, direct, or control the Work;
    b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto;
    c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work;
    d. to make any examination to ascertain how or for what purposes Contractor has used the money paid by Owner; or
    e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.
5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 15.01.C.2.
6. Engineer will recommend reductions in payment (set-offs) necessary in Engineer's opinion to protect Owner from loss because:
    a. the Work is defective, requiring correction or replacement;
    b. the Contract Price has been reduced by Change Orders;
    c. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;
    d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible; or
    e. Engineer has actual knowledge of the occurrence of any of the events that would constitute a default by Contractor and therefore justify termination for cause under the Contract Documents.
    f. The Contractor is in default of any other Agreement it has with the Owner.

D. *Payment Becomes Due*

1. Unless otherwise noted herein ten (10) business days after presentation of the Application for Payment, the Payment Application Checklist, and all required documentation to Owner with Engineer's recommendation and the approval of any agencies and/or lenders, the amount recommended and approved will (subject to

the provisions of Paragraph 14.02.D) become due, and when due will be paid by Owner to Contractor.

2. If an agency other than the Owner is responsible for processing and providing the payment, fourteen (14) calendar days after presentation of the Application for Payment to the Owner with Engineer's recommendation, the Owner shall submit the Application of Payment to the appropriate agency responsible for processing and providing the payment due to the Contractor. The Contractor indemnifies and waives all claims against the Owner concerning the timeliness of payments following the Owner's submission of the Application of Payment to the agency responsible for processing and providing the payment.

E. *Reductions in Payment by Owner*

1. In addition to any reductions in payment (set-offs) recommended by Engineer, Owner is entitled to impose a set-off against payment based on any of the following:

   a. Claims have been made against Owner based on Contractor's conduct in the performance or furnishing of the Work, or Owner has incurred costs, losses, or damages resulting from Contractor's conduct in the performance or furnishing of the Work, including but not limited to claims, costs, losses, or damages from workplace injuries, adjacent property damage, non-compliance with Laws and Regulations, and patent infringement;

   b. Contractor has failed to take reasonable and customary measures to avoid damage, delay, disruption, and interference with existing infrastructure, public or private property or other work at or adjacent to the Site;

   c. Contractor has failed to provide and maintain required bonds or insurance;

   d. Owner has been required to remove or remediate a Hazardous Environmental Condition for which Contractor is responsible;

   e. Owner has incurred extra charges or engineering costs related to submittal reviews, evaluations of proposed substitutes, tests and inspections, or return visits to manufacturing or assembly facilities;

   f. The Work is defective, requiring correction or replacement;

   g. Owner has been required to correct defective Work in accordance with Paragraph 14.07, or has accepted defective Work pursuant to Paragraph 14.04;

   h. The Contract Price has been reduced by Change Orders;

   I. An event has occurred that would constitute a default by Contractor and therefore justify a termination for cause;

   j. Liquidated or other damages have accrued as a result of Contractor's failure to achieve Milestones, Substantial Completion, or final completion of the Work;

   k. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens; or

   l. Other items entitle Owner to a set-off against the amount recommended.

2. If Owner imposes any set-off against payment, whether based on its own knowledge or on the written recommendations of Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and the specific amount of the reduction, and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, if Contractor remedies the reasons for such action. The reduction imposed will be binding on Contractor unless it duly submits a Change Proposal contesting the reduction.

15.02 *Contractor's Warranty of Title*

A. Contractor warrants and guarantees that title to all Work, materials, and equipment furnished under the Contract will pass to Owner free and clear of (1) all Liens and other title defects, and (2) all patent, licensing, copyright, or royalty obligations, no later than seven (7) calendar days after the time of payment by Owner.

15.03 *Substantial Completion*

A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete and request that Engineer issue a certificate of Substantial Completion. Contractor shall at the same time submit to Owner and Engineer an initial draft of punch list items to be completed or corrected before final payment. A draft of punch list items will not be issued until the Engineer certifies, at their sole discretion, that the project is substantially complete.

B. Promptly after Contractor's notification, Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.

C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a preliminary certificate of Substantial Completion which will fix the date of Substantial Completion. Engineer shall attach to the certificate a punch list of items to be completed or corrected before final payment. Owner shall have seven (7) calendar days after receipt of the preliminary certificate during which to make written objection to Engineer as to any provisions of the certificate or attached punch list. If, after considering the objections to the provisions of the preliminary certificate, Engineer concludes that the Work is not substantially complete, Engineer will, within fourteen (14) calendar days after submission of the preliminary certificate to Owner, notify Contractor in writing that the Work is not substantially complete, stating the reasons therefor. If Owner does not object to the provisions of the certificate, or if despite consideration of Owner's objections Engineer concludes that the Work is substantially complete, then Engineer will, within said fourteen (14) calendar days, execute and deliver to Owner and Contractor a final certificate of Substantial Completion (with a revised punch list of items to be completed or corrected) reflecting such changes from the preliminary certificate as Engineer believes justified after consideration of any objections from Owner.

D. At the time of receipt of the preliminary certificate of Substantial Completion, Owner and Contractor will confer regarding Owner's use or occupancy of the Work following Substantial Completion, review the builder's risk insurance policy with respect to the end of the builder's risk coverage, and confirm the transition to coverage of the Work

under a permanent property insurance policy held by Owner. Unless Owner and Contractor agree otherwise in writing, Owner shall bear responsibility for security, operation, protection of the Work, property insurance, maintenance, heat, and utilities upon Owner's use or occupancy of the Work.

E. After Substantial Completion the Contractor shall promptly begin work on the punch list of items to be completed or corrected prior to final payment. In appropriate cases Contractor may submit monthly Applications for Payment for completed punch list items, following the progress payment procedures set forth above.

F. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to remove its property and complete or correct items on the punch list.

G. *Time for Completion of Items on Tentative List and Remedies.* The time fixed by the Engineer for the completion of all items on the list accompanying the tentative certificate of Substantial Completion shall not be greater than forty-five (45) days. The Contractor shall complete all items on the list within such forty-five (45)-day period. If the Contractor fails to do so, the Owner in its discretion may perform the Work by itself or others and the cost thereof shall be charged to the Contractor. The Contractor irrevocably designates the Owner as the Contractor's attorney-in-fact to execute a Change Order deducting such cost from the balance of the Contract Price and also any additional costs or expenses incurred by the Owner arising out of or related to the failure of the Contractor to complete such items, including but not limited to attorneys', consultants', and Engineer's fees. The Contractor's warranties under the Contract Documents shall remain in full force and effect and cover any remedial Work, even if performed by others. If more than one inspection by the Engineer for purposes of evaluating corrected Work is required, it will be performed at the Contractor's expense.

15.04 *Partial Use or Occupancy*

A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions:

1. At any time, Owner may request in writing that Contractor permit Owner to use or occupy any such part of the Work that Owner believes to be substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor, Owner, and Engineer will follow the procedures of Paragraph 15.03.A through 15.03.E for that part of the Work.

2. At any time, Contractor may notify Owner and Engineer in writing that Contractor considers any such part of the Work substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 15.03 will apply with respect to certification

of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.

4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 6.05 regarding builder's risk or other property insurance.

B. Owner may at any time request Contractor in writing to permit Owner to take over operation of any part of the Work although it is not substantially complete. A copy of such request will be sent to Engineer, and within a reasonable time thereafter, Owner, Contractor, and Engineer shall inspect that part of the Work to determine its status of completion and will prepare a list of the items remaining to be completed or corrected thereon before final payment. If Contractor does not object in writing to Owner and Engineer that such part of the Work is not ready for separate operation by Owner, Engineer will finalize the list of items to be completed or corrected and will deliver such lists to Owner and Contractor together with a written recommendation as to the division of responsibilities pending final payment between Owner and Contractor with respect to security, operation, safety, maintenance, utilities, insurance, warranties, and guarantees for that part of the Work which will become binding upon Owner and Contractor at the time when Owner takes over such operation (unless they shall have otherwise agreed in writing and so informed Engineer). During such operation and prior to Substantial Completion of such part of the Work, Owner shall allow Contractor reasonable access to complete or correct items on said list and to complete other related Work.

15.05 *Final Inspection*

A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in writing of all particulars in which this inspection reveals that the Work, or agreed portion thereof, is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

15.06 *Final Payment*

A. *Application for Payment*

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance, certificates of inspection, annotated record documents (as provided in Paragraph 7.12), and other documents, Contractor may make application for final payment.

2. The final Application for Payment must be accompanied (except as previously delivered) by:

   a. all documentation called for in the Contract Documents;

   b. consent of the surety, if any, to final payment;

   c. satisfactory evidence that all title issues have been resolved such that title to all Work, materials, and equipment has passed to Owner free and clear of any Liens or other title defects, or will so pass upon final payment.

d. a list of all duly pending Change Proposals and Claims; and

e. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of the Work, and of Liens filed in connection with the Work.

3. Contractor's Waiver and Release Agreement for itself as of the date of the Final Application for Payment and Subcontractors – Suppliers Waiver and Release Agreements for each of its Subcontractors and Suppliers as of the date of the Final Application for Payment. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien, or Owner at its option may issue joint checks payable to Contractor and specified Subcontractors and Suppliers.

4. If Contractor is required to pay prevailing wages, prior to final payment and in accordance with ORC 4115.05, Contractor and its Subcontractors shall each file with Owner an affidavit certifying their compliance with ORC 4115.03 to ORC 4115.16 regarding wages.

B. *Engineer's Review of Final Application and Recommendation of Payment*: If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract have been fulfilled, Engineer will, within ten (10) days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of final payment and present the final Application for Payment to Owner for payment. Such recommendation will account for any set-offs against payment that are necessary in Engineer's opinion to protect Owner from loss for the reasons stated above with respect to progress payments. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

C. *Completion of Work*: The Work is complete (subject to surviving obligations) when it is ready for final payment as established by the Engineer's written recommendation of final payment and issuance of notice of the acceptability of the Work.

D. *Final Payment Becomes Due*: Thirty (30) days after the presentation to Owner of the final Application for Payment and accompanying documentation, the amount recommended by Engineer (less any further sum Owner is entitled to set off against Engineer's recommendation, including but not limited to set-offs for liquidated damages and set-offs allowed under the provisions above with respect to progress payments) will become due and shall be paid by Owner to Contractor..

15.07 *Waiver of Claims*

A. The making of final payment will not constitute a waiver by Owner of claims or rights against Contractor. Owner expressly reserves claims and rights arising from unsettled Liens, from defective Work appearing after final inspection pursuant to Paragraph 15.05, from Contractor's failure to comply with the Contract Documents or the terms of any special guarantees specified therein, from outstanding Claims by Owner, or from Contractor's continuing obligations under the Contract Documents.

B. The acceptance of final payment by Contractor will constitute a waiver by Contractor of all claims and rights against Owner other than those pending matters that have been duly submitted or appealed under the provisions of Article 17.

15.08 Correction Period.

A. If within two years after the date of Substantial Completion (or such longer period of time as may be prescribed by the City of Gahanna Standard General Conditions or the terms of any applicable special guarantee required by the Contract Documents), Owner gives Contractor written notice that any Work has been found to be defective, or that Contractor's repair of any damages to the Site or adjacent areas has been found to be defective, then after receipt of such notice of defect Contractor shall promptly, without cost to Owner and in accordance with Owner's written instructions:

1. correct the defective repairs to the Site or such adjacent areas;
2. correct such defective Work;
3. remove the defective Work from the Project and replace it with Work that is not defective, if the defective Work has been rejected by Owner, and
4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others, or to other land or areas resulting from the corrective measures.

B. If Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others).

C. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications.,.

C. If, after receipt of a notice of defect within sixty (60) days and within the correction period, Contractor does not promptly comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. Contractor shall pay all costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others). Contractor's failure to pay such costs, losses, and damages within ten (10) days of invoice from Owner will be deemed the start of an event giving rise to a Claim under Paragraph 12.01.B, such that any related Claim must be brought within thirty (30) days of the failure to pay.

D. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications.

E. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this paragraph, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

F. Contractor's obligations under this paragraph are in addition to all other obligations and warranties. The provisions of this paragraph are not to be construed as a substitute for, or a waiver of, the provisions of any applicable statute of limitation or repose.

ARTICLE 16—SUSPENSION OF WORK AND TERMINATION

16.01 *Owner May Suspend Work*

A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than ninety (90) consecutive days by written notice to Contractor and Engineer. Such notice will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be entitled to an adjustment in the Contract Price or an extension of the Contract Times directly attributable to any such suspension. Any Change Proposal seeking such adjustments must be submitted no later than thirty (30) days after the date fixed for resumption of Work.

16.02 *Owner May Terminate for Cause*

A. The occurrence of any one or more of the following events will constitute a default by Contractor and justify termination for cause:

1. Contractor's failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment, or failure to adhere to the Progress Schedule);
2. Failure of Contractor to perform or otherwise to comply with a material term of the Contract Documents;
3. Contractor's disregard of Laws or Regulations of any public body having jurisdiction; or
4. Contractor's repeated disregard of the authority of Owner or Engineer.

B. If one or more of the events identified in Paragraph 16.02.A occurs, then after giving Contractor (and any surety) three (3) days' written notice that Owner is considering a declaration that Contractor is in default and termination of the Contract, Owner may proceed to:

1. declare Contractor to be in default, and give Contractor (and any surety) written notice that the Contract is terminated; and
2. enforce the rights available to Owner under any applicable performance bond.
3. such termination shall be effective as of the date stated in the termination notice provided to Contractor.

C. If Owner has terminated the Contract for cause, Owner may exclude Contractor from the Site, take possession of the Work, incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and complete the Work as Owner may deem expedient.

D. Owner may not proceed with termination of the Contract under Paragraph 16.02.B if Contractor within seven (7) calendar days of receipt of notice of intent to terminate begins to correct its failure to perform and proceeds diligently to cure such failure.

E. If Owner proceeds as provided in Paragraph 16.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds the cost to complete the Work, including all related claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals) sustained by Owner, such excess will be paid to Contractor. If the cost to complete the Work including such related claims, costs, losses, and damages exceeds such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this paragraph, Owner shall not be required to obtain the lowest price for the Work performed.

F. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue, or any rights or remedies of Owner against Contractor or any surety under any payment bond or performance bond. Any retention or payment of money due Contractor by Owner will not release Contractor from liability.

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16.03 *Owner May Terminate for Convenience*

A. Upon three (3) calendar days' written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):

1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including compensation as set forth in the schedule of values or Bid Form in the case of unit prices;

2. expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; and

3. other reasonable expenses directly attributable to termination, including costs incurred to prepare a termination for convenience cost proposal.

B. Contractor shall not be paid for any loss of anticipated profits or revenue, post-termination overhead costs, or other economic loss arising out of or resulting from such termination.

C. Such termination shall be effective as of the date stated in the written notice.

D. Contractor shall require similar provisions contained in Paragraph 16.03 in each of its subcontracts to protect Contractor from claims by Subcontractor arising from the Owner's termination for convenience, or to minimize claims by such subcontractors. The remedy provided to Contractor under this Paragraph 16.03 shall be the Contractor's sole remedy in the event of termination for convenience by Owner.

16.04 *Contractor May Stop Work or Terminate*

A. If, through no act or fault of Contractor, (1) the Work is suspended for more than ninety (90) calendar days by Owner or under an order of court or other public authority, or (2) Engineer fails to act on any Application for Payment within thirty (30) days after it is submitted, or (3) Owner fails for thirty (30) calendar days to pay Contractor any sum finally determined to be due, then Contractor may, upon seven (7) calendar days' written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the contract and recover from Owner payment on the same terms as provided in Paragraph 16.03.

B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within thirty (30) calendar days after it is submitted and accepted, or Owner has failed for thirty (30) calendar days to pay Contractor any sum finally determined to be due, Contractor may, seven (7) calendar days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this paragraph are not intended to preclude Contractor from submitting a Change Proposal for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this paragraph.

C. Contractor shall require similar provisions contained in this Article 16 in each of its subcontracts to protect Contractor from claims by Subcontractors arising from the Owner's termination for convenience, or to minimize claims by such subcontractors. The remedy provided to Contractor under this Paragraph shall be the Contractor's sole remedy in the event of termination for convenience by Owner.

ARTICLE 17—FINAL RESOLUTION OF DISPUTES

17.01 *Methods and Procedures*

A. Litigation, Settlement, Methods, and Procedures.

1. Any dispute, claim or other matter not settled by negotiation or mediation, shall be determined by the Court of Common Pleas for Franklin County, Ohio, which shall be the exclusive venue and jurisdiction over such matters and claims, to the exclusion of any other court including and U.S. District Court.

2. In addition to Owner's entitle to attorneys' fees set forth elsewhere in the Contract Documents, in the event that Contractor files a Claim or files an action against Owner, Owner shall be entitled to make an offer of settlement of the Claim to Contractor at any time up to the date of trial. Such offer of settlement shall not be admissible into evidence at the litigation except on the issue of entitlement to recovery of attorneys' fees, costs and expenses. If at any state of the litigation, including any appeals, Contractor's claim is dismissed or found to be without merit, or if the damages awarded to Contractor on its claim do not exceed Owner's offer of settlement, contractor shall be liable to Owner and shall reimburse Owner for all attorneys' fees, costs, and

expenses incurred by Owner from the date of the offer of settlement until the date of the final adjudication and resolution of Contractor's claim.

3. ANY CLAIM NOT RESOLVED BY MEDIATION OR WITHIN SIXTY (60) DAYS OF THE DATE OF THE CLAIM SHALL BE SUBJECT TO LITIGATION.

ARTICLE 18—MISCELLANEOUS

18.01 *Giving Notice*

A. Whenever any provision of the Contract requires the giving of written notice to Owner, Engineer, or Contractor, it will be deemed to have been validly given only if delivered:

1. in person, by a commercial courier service or otherwise, to the recipient's place of business;
2. by registered or certified mail, postage prepaid, to the recipient's place of business; or
3. by e-mail to the recipient, with the words "Formal Notice" or similar in the e-mail's subject line.

18.02 *Computation of Times*

A. When any period of time is referred to in the Contract by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

18.03 *Cumulative Remedies*

A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract. The provisions of this paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

18.04 *Limitation of Damages*

A. With respect to any and all Change Proposals, Claims, disputes subject to final resolution, and other matters at issue, neither Owner nor Engineer, nor any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors, shall be liable to Contractor for any claims, costs, losses, or damages sustained by Contractor on or in connection with any other project or anticipated project.

B. The Contractor waives Claims against the Owner for consequential damages arising out of or relating to this Contract. This waiver includes but is not limited to:

1. damages incurred by the Contractor for principal office expenses including the compensation of personnel stationed there, for losses of financing, business and reputation, loss of bonding capacity and for loss of profit except anticipated profit arising directly from the Work.

C. The waiver in Paragraph 18.04(B) is applicable, without limitation, to all consequential damages due to either party's termination in accordance with the terms of the Contract. Nothing contained in this Paragraph 18.04 shall be deemed to preclude an award of liquidated damages, when applicable, in accordance with the requirements of the Contract Documents.

18.05 *No Waiver*

A. A party's non-enforcement of any provision will not constitute a waiver of that provision, nor will it affect the enforceability of that provision or of the remainder of this Contract.

18.06 *Survival of Obligations*

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract, as well as all continuing obligations indicated in the Contract, will survive final payment, completion, and acceptance of the Work or termination of the Contract or of the services of Contractor.

18.07 *Controlling Law*

A. This Contract is to be governed by the law of the State of Ohio.

18.08 *Assignment of Contract*

A. Unless expressly agreed to elsewhere in the Contract, no assignment by a party to this Contract of any rights under or interests in the Contract will be binding on the other party without the written consent of the party sought to be bound; and, specifically but without limitation, money that may become due and money that is due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract.

18.09 *Successors and Assigns*

A. Owner and Contractor each binds itself, its successors, assigns, and legal representatives to the other party hereto, its successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

18.10 *Headings*

A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

ARTICLE 19.0 -- EQUAL EMPLOYMENT OPPORTUNITY AND NON-DISCRIMINATION:

Non-Discrimination – Contractor Agrees:

1. That the hiring of employees for the performance of Work under this Agreement or in any subcontract, neither the Contractor, subcontractor, or any person acting on behalf of eit4her of them, shall by reason of race, creed, sex, disability as defined in Section 4112.01 of the Ohio Revised Code, or color discriminate against any citizen of the state in the employment of labor or workers who are qualified and available to perform the Work to which the employment relates.
2. That neither the Contractor, subcontractor, nor any person acting on behalf of either of them shall, in any matter, discriminate against or intimidate any employee hired for the performance of Work under this Agreement on account of race, creed, sex, disability as defined in Section 4112.01 of the Ohio Revised Code, or color.
3. That there shall be deducted from the amount payable to the Contractor by the Owner under this Agreement a forfeiture of twenty-five dollars ($25.00) as required by the Ohio Revised Code Section 153.60 for each person who is discriminated against or intimidated in violation of this Agreement.
4. That this Agreement may be canceled or terminated by the Owner for cause and all money to become due hereunder may be forfeited for a second or subsequent violation of the terms of this section of this Agreement.

APPENDIX F

CITY OF COLUMBUS CONSTRUCTION & MATERIAL SPECIFICATIONS SUPPLEMENT

CITY OF COLUMBUS CONSTRUCTION AND MATERIAL SPECIFICATIONS SUPPLEMENT

This Supplement shall apply where and to the extent that the City of Columbus Construction and Material Specifications, in the current version as of July 1, 2025 is expressly incorporated into the Contract Documents via the Owner-Contractor Agreement, or when designated as a Contract Document in the list of Contract Documents in the Owner-Contractor Agreement or is referenced anywhere else in the Contract Documents as one of the Contract Documents. It is intended that the Specifications governing this project (and any Bid requirements and conditions) and any City of Columbus specifications or references to the Ohio Revised Code as set forth herein, and any attachments(s) or documents incorporated by reference herein, be construed harmoniously wherever possible in order to carry out the full intent and purposes of the City of Gahanna with respect to this project. But if there is a conflict or inconsistency between any provisions(s) of the City of Columbus specifications or references to the Ohio Revised Code and those contained herein, the provisions(s) granting rights, remedies, discretion and/or latitude to the City of Gahanna, or imposing the greater duty, standard, responsibility and/or obligation on the Contractor shall govern.

1. Regardless of any terms to the contrary in Division 100 or elsewhere, any directions or orders of the Engineer that will result in an adjustment of the Contract Price or the Contract Time shall require the prior written approval of the Owner. It is expressly understood and agreed that the Engineer does not have authority to authorize changes or modifications in the Contract Price or Contract Time.

2. The Contractor's obligations under this Supplement are in addition to and not in limitation of its other obligations under the Contract Documents.

3. **Delays.** Regardless of the terms in this Supplement, all time adjustments shall be subject to a) filing a Change Proposal and / or Claim in accordance with Articles 11 and 12 of the Gahanna Standard General Conditions of the Contract for Construction Gahanna Standard General Conditions, b) substantiating the Contractor's entitlement to a time adjustment in accordance with the Modified Standard General Conditions and c) Item 109.05(c). The Contractor will be entitled to additional compensation for delays but only for those delays described in the Modified Standard General Conditions. As part of the Claims process and as a condition precedent to receiving any additional compensation, the Contractor shall prepare a cost analysis as allowed by Item 109.05(c) substantiating its entitlement to additional compensation.

4. **Division 100, General Provisions**. The following Division 100 General Provisions of City of Columbus Construction and Material Specifications, in the current version as of July 1, 2025, are incorporated in this Supplement, subject to any changes or limitations herein.

    a. Item 101.02, Abbreviations.

b. Item 101.03, Definitions, provided where terms that are defined in the other Contract Documents, the definition in the other Contract Documents shall control, and further provided that the following definitions are deleted, modified and/or added:

   i. "City" shall mean City of Gahanna.
   ii. Director shall mean the Director of Engineering for the City.
   iii. Department is deleted.
   iv. Engineer shall mean Design Professional as established in the bid package documents.
   v. Notice of Intent to Award is deleted.
   vi. "Owner" shall mean City of Gahanna.
   vii. Proposal Form is deleted.
   viii. Director shall mean the Owner's Representative.
   ix. "Engineer" shall mean Owner's Representative.
   x. Laboratory is deleted.
   xi. Proposal Guaranty is deleted.
   xii. Subcontractor is deleted.
   xiii. Work is deleted.

c. Item 103.03, Cancellation of Award.

d. Item 104.05, Right In and Use of Materials Found on the Work.

e. Item 104.07, Final Cleaning Up.

f. Item 105.02, Plans and Working Drawings, provided that the review of submittals may be by the Owner or the Engineer in the Owner's discretion.

g. Item 105.10 Photographs and Videos.

h. Item 105.11, Inspection of Work.

i. Item 105.12, Removal of Unacceptable and Unauthorized Work.

j. Item 105.13, Load Restrictions.

k. Item 105.14, Maintenance During Construction.

l. Item 105.15, Failure to Maintain Roadway or Structures, Traffic Control Facilities and Other Appurtenance.

m. Item 105.16, Borrow and Waste Areas.

n. Item 106.01, Source of Supply and Quality Requirements.

o. Item 106.02, Samples, Tests and Cited Specifications, provided that this Item will be optional at the discretion of the Owner. If the Owner elects to proceed under this Item, a) the Contractor without additional cost will provide material samples as required by the Owner, and b) the Owner may conduct such tests as it determines proper.

p. Item 106.04, Plant Inspection.

q. Item 106.05, Storage of Materials.

r. Item 106.06, Handling Materials.

s. Item 106.07, Unacceptable Materials.

t. Item 106.08, City Furnished Material.

u. Item 107.01, Laws to be Observed.

v. Item 107.02, Permits, Licenses, and Taxes.

w. Item 107.03, Patented Devices, Materials, and Processes.

x. Item 107.05, Federal-Aid Provisions.

y. Item 107.06, Sanitary Provisions.

z. Item 107.07, Public Convenience and Safety.

aa. Item 107.08, Barricades and Warning Signs.

bb. Item 107.09, Maintenance of Traffic.

cc. Item 107.10, Use of Explosives, provided that both bringing explosives onto the site and any use of explosives shall require the prior written approval of the Owner.

dd. Item 107.11, Protection and Restoration of Property, provided that the Contractor shall remain responsible for all damage and injury to property until the Project is Finally Complete.

ee. Item 107.13, Responsibility for Damage Claims.

ff. Item 107.16, Contractor's Responsibility for Work.

gg. Item 107.17, Contractor's Responsibility for Utility Property and Services.

hh. Item 107.18, Furnishing Right-of-Way.

ii. Item 107.19, Personal Liability of Public Officials.

jj. Item 107.20, No Waiver of Legal Rights.

kk. Item 107.24, Indemnification.

ll. Item 108.01, Subletting of Contract.

mm. Item 108.04, Limitation of Operations.

nn. Item 108.05, Character of Workers, Methods, and Equipment.

oo. Item 108.09, Certified Payroll.

pp. Item 109.01, Measurement of Quantities, provided that this item will apply only where payment is to be based on the measurement of quantities.

qq. Item 109.04, Compensation for Altered Quantities.

5. **Divisions 200 through 1000**. City of Columbus Construction and Material Specifications, in the current version as of July 1, 2025, are incorporated in this Supplement as follows.

    a. All references to Division 100 Items in Divisions 200 through 1000 shall be to the Division 100 Items as modified in this Supplement.

b. Where Division 100 Items are referred to in Divisions 200 through 1000 but are not included in this Supplement, the deleted references will be governed by this Paragraph 5.

c. In Item 203.04, the reference to Item 108.06 shall be governed by Paragraph 3, Delays, in this Supplement.

d. Any reference to Section 109.05 shall be governed by the payment provisions in the Modified Standard General Conditions, instead.

e. In Item 514.24, the reference to Item 109.10 shall be governed by the payment provisions in the Modified Standard General Conditions.

f. In Item 614.02(B), the reference to item 109.11 or 109.12 shall be governed by the payment provisions in the Modified Standard General Conditions, i.e., the Owner will process and make payments in accordance with the provisions in the Modified Standard General Conditions.

g. General to Divisions 200 through 1000. The basis for payment provided in the Basis for Payment items in these Divisions shall be the basis for payment to the Contractor when applicable.

END OF COLUMBUS CMS SUPPLEMENT