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Village of Hamler, Ohio  
Water Treatment Plant – GAC System

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**ADDENDUM 2**

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March 2, 2026

Planholders of the Village of Hamler, Water Treatment Plant – GAC System project are hereby notified of the following amendments to the Contract Documents. This Addendum is hereby made a part of the Contract Documents.

**WAGE RATES**

Attached are the Davis Bacon Wage Rates that were indicated “To be Provided by Addendum” in Supplementary Conditions C-800, Exhibit 1.

**FUNDING DOCUMENTS**

Funding documents issued through CDBG shall be added to Exhibit 2. Add CDBG Funding - Section 3 Contractor Guide form to Exhibit 2.

**DRAWINGS**

Replace Sheet C-2.1

**SPECIFICATIONS**

Replace C-200 – Instructions to Bidders

Replace C-410 – Bid Form for Construction Contracts

Replace 11035 – Granular Activated Carbon Equipment

Replace 16130 – Conduit Surface Metal Raceways and Accessories

Attachments: Federal Wage Rates  
CDBG Funding - Section 3 Contractor Guide  
Drawing C-2.1  
Specification C-200  
Specification C-410  
Specification 11035  
Specification 16130

**RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON PAGE C-410 - 1 OF THE BID.**



	Rates	Fringes
IRONWORKER, ORNAMENTAL.....	\$ 36.00	23.57

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LAB00423-002 05/01/2021

	Rates	Fringes
LABORER Chain Link/Cyclone Fence Erection.....	\$ 28.73	11.80

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LAB00500-004 05/01/2024

	Rates	Fringes
LABORER Mason Tender - Cement/Concrete.....	\$ 32.35	16.42

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PAIN0948-002 07/01/2025

	Rates	Fringes
GLAZIER.....	\$ 36.50	25.06

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PLUM0050-010 06/30/2025

	Rates	Fringes
PIPEFITTER (Excludes HVAC Pipe Installation).....	\$ 51.00	32.56
PLUMBER (HVAC Pipe Installation Only).....	\$ 51.00	32.56

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ROOF0134-006 07/01/2021

	Rates	Fringes
ROOFER.....	\$ 29.07	19.84

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SHEE0033-017 07/01/2024

	Rates	Fringes
SHEET METAL WORKER (Excludes HVAC Duct and Unit Installation).....	\$ 39.58	35.15

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\* UAVG-OH-0012 01/01/2019

	Rates	Fringes
BRICKLAYER: TILE FINISHER.....	\$ 26.88	11.81
BRICKLAYER: TILE SETTER.....	\$ 29.90	16.52

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\* UAVG-OH-0013 01/01/2019

	Rates	Fringes
IRONWORKER, REINFORCING.....	\$ 33.18	23.73

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SUOH2012-045 08/29/2014

	Rates	Fringes
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CARPENTER (Excluding Soft Floor Laying).....	\$ 21.09	9.08
CEMENT MASON/CONCRETE FINISHER...	\$ 23.47	10.07
DRYWALL FINISHER/TAPER.....	\$ 18.57	3.12
DRYWALL HANGER AND METAL STUD INSTALLER.....	\$ 17.63	5.64
LABORER: Common or General.....	\$ 21.67	8.30
LABORER: Landscape & Irrigation.....	\$ 10.39	0.00
LABORER: Mason Tender - Brick...	\$ 22.74	8.60
LABORER: Pipelayer.....	\$ 18.37	4.79
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 24.59	7.76
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 20.00	3.26
OPERATOR: Bulldozer.....	\$ 23.50	7.51
OPERATOR: Loader.....	\$ 17.43	2.72
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 25.85	10.42
PAINTER (Brush and Roller).....	\$ 17.91	10.85
PLUMBER, Excludes HVAC Pipe Installation.....	\$ 29.57	17.20
SHEET METAL WORKER (HVAC Duct and HVAC Unit Installation Only).....	\$ 22.05	12.18
SPRINKLER FITTER (Fire Sprinklers).....	\$ 25.91	9.18
TRUCK DRIVER: Dump (All Types)...	\$ 17.97	4.14

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WELDERS - Receive rate prescribed for craft performing  
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave  
for Federal Contractors applies to all contracts subject to the  
Davis-Bacon Act for which the contract is awarded (and any  
solicitation was issued) on or after January 1, 2017. If this  
contract is covered by the EO, the contractor must provide  
employees with 1 hour of paid sick leave for every 30 hours  
they work, up to 56 hours of paid sick leave each year.  
Employees must be permitted to use paid sick leave for their  
own illness, injury or other health-related needs, including  
preventive care; to assist a family member (or person who is  
like family to the employee) who is ill, injured, or has other  
health-related needs, including preventive care; or for reasons

resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Note: Executive Order 13658 generally applies to contracts subject to the Davis-Bacon Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. Executive Order 13658 does not apply to contracts subject only to the Davis-Bacon Related Acts regardless of when they were awarded. If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025. The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under Executive Order 13658 is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

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The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

#### Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

#### Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE:

UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

#### Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

#### State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

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#### WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to

davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210.

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END OF GENERAL DECISION

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# CDBG Funding Forms

## Section 3 – Contractor Guide

### 1. Section 3 Worker Status Certification

- a. This form shall be submitted for each employee with the Contractor's first pay Application
- b. This form shall be submitted for each employee of any Subcontractor prior to them completing work on the project

### 2. Section 3 Business Self – Certification

- a. This form shall be submitted by the contractor

### 3. Contractor Workforce Section 3 Certification

- a. This form shall be submitted by the Contractor along with the Contractor's first Pay Application
- b. This form shall be submitted by any Subcontractor prior to them completing work on the project

### 4. Monthly Section 3 Utilization Report

- a. This form shall be submitted by the Contractor and Subcontractor with each Pay Application and Prevailing Wage Reports

**Ohio Department of Development  
Office of Community Development**

**Section 3 Worker Status Certification**

An individual who works or seeks to work on a Section 3 project must certify his/her eligibility to be classified as a Section 3 Worker or Targeted Section 3 Worker, as defined in 24 CFR part 75. The status of a Section 3 Worker or Targeted Section 3 Worker shall not be negatively affected by a prior arrest or conviction.

**Please select the applicable classification.**

I am a worker who currently fits or when hired within the past five years fit one of the following categories, as documented:

Section 3 Worker

My income for the previous calendar year is below the income limit<sup>1</sup> established by HUD;

Targeted Section 3 Worker

I am a YouthBuild participant <sup>2</sup>; or

Unclassified

None of the above.

By submitting this form, I certify that the information contained on this form is true and accurate and meets U.S. Department of Housing and Urban Development (HUD) Section 3 self-certification eligibility requirements in accordance with 24 CFR part 75.

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

<sup>1</sup> HUD income limits are available at <https://www.huduser.gov/portal/datasets/il.html>.

<sup>2</sup> Individual may be required to provide evidence that he/she is a YouthBuild participant.

**Ohio Department of Development  
Office of Community Development**

**Section 3 Business Self-Certification**

Business Name \_\_\_\_\_  
Street Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_  
Zip Code \_\_\_\_\_

Business Phone Number \_\_\_\_\_  
Business Website \_\_\_\_\_  
Business Point of Contact \_\_\_\_\_  
Business Email \_\_\_\_\_

Type of Business: (Check One):  Corporation  Partnership  Sole Proprietorship  Other

In accordance with 24 CFR 75, a business must meet at least one of the following criteria, documented within the last six-month period, to self-certify as a Section 3 business concern. Select all that apply:

The business is at least 51 percent owned and controlled by low- or very low-income persons<sup>1</sup>;

Over 75 percent of the labor hours performed for the business over the prior three-month period are performed by Section 3 workers<sup>2</sup>; or

The business is at least 51 percent owned and controlled by current public housing residents or residents who currently live in Section 8-assisted housing.<sup>3</sup>

The status of a Section 3 business concern shall not be negatively affected by a prior arrest or conviction of its owner(s) or employees.

By submitting this form, I certify that the information contained on this form is true and accurate and meets U.S. Department of Housing and Urban Development (HUD) Section 3 business self-certification eligibility requirements in accordance with 24 CFR Part 75.

**Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

<sup>1</sup> HUD income limits are available at <https://www.huduser.gov/portal/datasets/il.html>. Business may be required to provide proof of ownership and a completed Section 3 Worker Status Certification form for each owner.

<sup>2</sup> Business may be required to provide full staff payrolls for the prior three-month period and completed Section 3 Worker Status Certification forms for all personnel.

<sup>3</sup> Business may be required to provide proof of ownership and verification of residence in public housing or Section 8-assisted housing.

## Instructions: Contractor Workforce Section 3 Certification

Contractors and subcontractors (Contractors) must submit the Contractor Workforce Section 3 Certification form to the Office of Community Development grantee with the first Monthly Section 3 Utilization Report to document worker Section 3 status. Contractors must attach a completed Section 3 Worker Status Certification form for each worker. Contractors must submit an additional Contractor Workforce Section 3 Certification form if additional workers are hired during the project. See Program Policy 21-04 for more information regarding Section 3 compliance.

<sup>1</sup> The Project Location should include the local jurisdiction (e.g. township, village, or city) and county.

<sup>2</sup> A Section 3 business concern is a business concern meeting at least one of the following criteria, documented within the last six-month period: 1) It is at least 51 percent owned and controlled by low- or very low-income persons; 2) Over 75 percent of the labor hours performed for the business over the prior three-month period are performed by Section 3 workers; or 3) It is a business at least 51 percent owned and controlled by current public housing residents or residents who currently live in Section 8-assisted housing. Contractors must submit a Section 3 Business Self-Certification form to be considered a Section 3 business concern.

<sup>3</sup> List classification descriptive of work performed by employee.

<sup>4</sup> Section 3 status: Section 3 Worker, Targeted Section 3 Worker, or Unclassified, as documented by a Section 3 Worker Status Certification form. The status of a Section 3 worker or Targeted Section 3 worker shall not be negatively affected by a prior arrest or conviction.

A Section 3 worker is any worker who currently fits or when hired within the past five years fit at least one of the following categories, as documented: 1) The worker's income for the previous or annualized calendar year is below the income limit established by HUD; 2) The worker is employed by a Section 3 business concern; or 3) The worker is a YouthBuild participant.

A Targeted Section 3 worker is a Section 3 worker who is: 1) A worker employed by a Section 3 business concern; or 2) A worker who currently fits or when hired fit at least one of the following categories, as documented within the past five years: a) Living within the service area or the neighborhood of the project; or b) A YouthBuild participant.

An Unclassified worker is a worker who does not meet the criteria for either Section 3 worker or Targeted Section 3 worker.

<sup>5</sup> Section 3 Classification Criteria. Select all that apply.

<sup>6</sup> The worker's income for the previous or annualized calendar year is below the income limit established by HUD. Either 1) the worker self-certified on a Section 3 Worker Status Certification form that the worker's income for the previous calendar year is below the income limit established by HUD; or 2) the Contractor certifies that the worker's income from the Contractor is below the income limit when based on the Contractor's calculation of what the worker's wage rate would translate to if annualized on a full-time basis.

<sup>7</sup> Section 3 Business Concern. The Contractor indicated on this form that it is a Section 3 Business Concern and provided a Section 3 Business Self-Certification form.

<sup>8</sup> The worker self-certified on a Section 3 Worker Status Certification form that the worker is a YouthBuild participant.

<sup>9</sup> Local Resident. The Contractor confirms that a Section 3 worker's residence is within one mile of the work site or, if fewer than 5,000 people live within one mile of a work site, within a circle centered on the work site that is sufficient to encompass a population of 5,000 people according to the most recent U.S. Census.

<sup>10</sup> Section 3 Business Concern. The Contractor indicated on this form that it is a Section 3 Business Concern and provided a Section 3 Business Self-Certification form.

<sup>11</sup> The worker self-certified on a Section 3 Worker Status Certification form that the worker is a YouthBuild participant.

<sup>12</sup> The Office of Community Development (OCD) grantee must enter the OCD grant number, project name, and activity name. The grantee must enter initials and date after performing a basic review (e.g., 1) form is complete; 2) selected Section 3 Classification Criteria accurately reflect indicated Section 3 Status; 3) Contractor submitted a Section 3 Worker Status Certification form for each worker; and 4) if applicable, Contractor submitted a Section 3 Business Self-Certification form). The grantee may request additional information or supporting documentation to clarify inaccuracies or omissions.



Instructions: Monthly Section 3 Utilization Report

Contractors and subcontractors (Contractors) must submit the Monthly Section 3 Utilization Report form to the Office of Community Development grantee to report labor hours worked on Section 3 projects. See Program Policy 21-04 for more information regarding Section 3 compliance.

<sup>1</sup> The Reporting Period may not exceed four weeks.

<sup>2</sup> The Project Location should include the local jurisdiction (e.g. township, village, or city) and county.

<sup>3</sup> A Section 3 business concern is a business concern meeting at least one of the following criteria, documented within the last six-month period: 1) It is at least 51 percent owned and controlled by low- or very low-income persons; 2) Over 75 percent of the labor hours performed for the business over the prior three-month period are performed by Section 3 workers; or 3) It is a business at least 51 percent owned and controlled by current public housing residents or residents who currently live in Section 8-assisted housing. Contractors must submit a Section 3 Business Self-Certification form to be considered a Section 3 business concern.

<sup>4</sup> List classification descriptive of work performed by employee.

<sup>5</sup> Section 3 status: Section 3 Worker, Targeted Section 3 Worker, or Unclassified, as documented by a Section 3 Worker Status Certification form. The status of a Section 3 worker or Targeted Section 3 worker shall not be negatively affected by a prior arrest or conviction.

A Section 3 worker is any worker who currently fits or when hired within the past five years fit at least one of the following categories, as documented: 1) The worker's income for the previous or annualized calendar year is below the income limit established by HUD; 2) The worker is employed by a Section 3 business concern; or 3) The worker is a YouthBuild participant.

A Targeted Section 3 worker is a Section 3 worker who is: 1) A worker employed by a Section 3 business concern; or 2) A worker who currently fits or when hired fit at least one of the following categories, as documented within the past five years: a) Living within the service area or the neighborhood of the project; or b) A YouthBuild participant.

An Unclassified worker is a worker who does not meet the criteria for either Section 3 worker or Targeted Section 3 worker.

<sup>6</sup> Total Labor Hours. Total labor hours worked on the Section 3 project during the reporting period.

<sup>7</sup> Unclassified Labor Hours. Labor hours performed by an Unclassified worker.

<sup>8</sup> Section 3 Labor Hours. Labor hours performed by a Section 3 worker. Note: Labor hours for Targeted Section 3 Workers must be entered as Section 3 Labor Hours and Targeted Section 3 Labor Hours.

<sup>9</sup> Targeted Section 3 Labor Hours. Labor hours performed by a Targeted Section 3 worker. Note: Labor hours for Targeted Section 3 Workers must be entered as Section 3 Labor Hours and Targeted Section 3 Labor Hours.

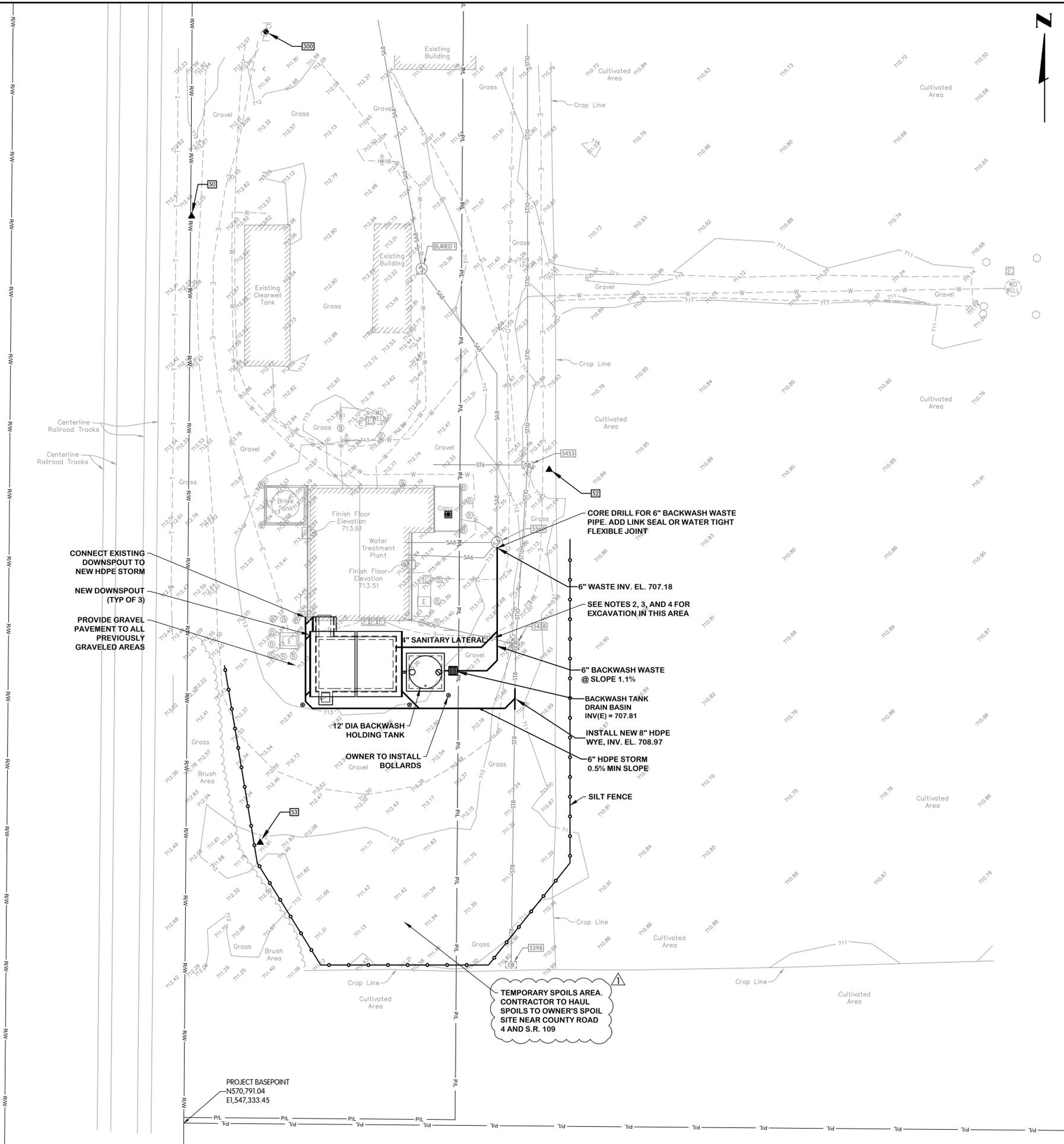
<sup>10</sup> Labor Hour Classification example:

<u>Employee Name</u>	<u>Work Classification</u> <sup>4</sup>	<u>Section 3 Status</u> <sup>5</sup>	<u>Total Labor Hours</u> <sup>6</sup>	<u>Labor Hour Classification</u> <sup>10</sup>		
				<u>Unclassified Labor Hours</u> <sup>7</sup>	<u>Section 3 Labor Hours</u> <sup>8</sup>	<u>Targeted Section 3 Labor Hours</u> <sup>9</sup>
Employee A	Bricklayer	Unclassified	65	65		
Employee B	Tile Setter	Section 3 Worker	60		60	
Employee C	Roofer	Targeted Section 3 Worker	70		70	70
Total			195	65	130	70

<sup>11</sup> The Office of Community Development (OCD) grantee must enter the OCD grant number, project name, and activity name. The grantee must enter initials and date after performing a basic review (e.g., form is complete and Labor Hour Classifications accurately reflect indicated Section 3 Status). The grantee may request additional information or supporting documentation to clarify inaccuracies or omissions.



TOL-8223001C2-12 C-2.1 SITE PLAN  
2/23/2026 3:02 PM - AELLINGHAM  
2/23/2026 3:05 PM



**NOTES:**

- SEWER LINES SHALL BE INSTALLED WITH AT LEAST 10 FEET HORIZONTAL SEPARATION FOR PARALLEL LINES AND 18 INCHES VERTICAL SEPARATION AT WATER LINE CROSSINGS AS REQUIRED BY RSSW SECTION 8.8.2 AND 8.8.3.
- CONDUCT THE EXCAVATION WITHIN THE TOLERANCE ZONE OF UNDERGROUND UTILITY FACILITIES IN A CAREFUL, PRUDENT, AND NONDESTRUCTIVE MANNER, WHEN NECESSARY, IN ORDER TO PREVENT DAMAGE.
- CONTRACTOR SHALL EXCAVATE MATERIAL BY HAND DIGGING OR HYDROEXCAVATION.
- BACKFILLING AROUND AND OVER STRUCTURES, PIPELINES, CONDUITS, AND OTHER UTILITIES COMPRISING THE WORK SHALL BE CAREFULLY DONE BY HAND AND TAMPED WITH SUITABLE TOOLS OF APPROVED WEIGHT WHEN WITHIN 2 FEET OF STRUCTURES, PIPELINE, CONDUIT, AND OTHER UTILITIES.
- THERE ARE DESIGNATED FUELING AND PARKING/STAGING AREAS FOR CONSTRUCTION AND MAINTENANCE LOCATED ON IMPERMEABLE MATERIALS LIKE ASPHALT AND CONCRETE.
- INSTALLATION OF SECONDARY CONTAINMENT AROUND ANY ABOVE GROUND STORAGE TANKS, OR ANY CONTAINERS THAT CONTAIN HAZARDOUS MATERIALS SUCH AS OIL OR GASOLINE.
- ENSURE THAT PROPER EROSION AND SEDIMENT CONTROLS, AS WELL AS STORM WATER CONTROLS, ARE IN PLACE.

100 YEAR FLOOD ELEVATION:  
NO DATA AVAILABLE. FEMA MAP 390264A INDICATES AREA IS OUTSIDE OF 100 YEAR FLOOD PLAIN. FINISHED FLOOR ELEVATION SHOULD MATCH EXISTING BUILDING.



**CIVIL  
SITE  
PLAN**

VILLAGE OF HAMLER, OHIO  
WATER TREATMENT PLANT GAC SYSTEM

DESIGNED	DRAWN	CHECKED
JDM	AAE	JDM
STATUS: ISSUED FOR BID		
DATE: FEBRUARY 2026		
SHEET NO. C-2.1		
II OF 47		

Jones & Henry  
Engineers, Ltd.

Fluid thinking®  
www.JHeng.com

JOB NO.	983-8223.001	
SCALE	1:20	
THIS LINE SCALES IF WHEN PLOTTED TO NOTED SCALE		
DESIGNED	DRAWN	CHECKED
JDM	AAE	JDM
STATUS: ISSUED FOR BID		
DATE: FEBRUARY 2026		
SHEET NO. C-2.1		
II OF 47		

## INSTRUCTIONS TO BIDDERS

### ARTICLE 1 – DEFINED TERMS

- 1.01 Terms used in these Instructions to Bidders have the meanings indicated in the General Conditions and Supplementary Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below:
- A. Bidder - One who submits a Bid directly to Owner as distinct from a sub-bidder, who submits a bid to a Bidder.
  - B. Issuing Office - The office from which the Bidding Documents are to be issued and where the bidding procedures are to be administered.
  - C. Successful Bidder - The Bidder to whom Owner (on the basis of Owner's evaluation as hereinafter provided) makes an award.

### ARTICLE 2 – COPIES OF BIDDING DOCUMENTS

- 2.01 Complete sets of the Bidding Documents may be obtained from the Issuing Office in the number and format stated in the advertisement or invitation to bid.
- 2.02 Complete sets of Bidding Documents shall be used in preparing Bids; neither Owner nor Engineer assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- 2.03 Owner and Engineer, in making copies of Bidding Documents available on the above terms, do so only for the purpose of obtaining Bids for the Work and do not authorize or confer a license for any other use.
- 2.04 Bidders wishing to submit a bid to the Owner are recommended to obtain the Bidding Documents from the Issuing Office as stated in the Advertisement for Bids or the Bidder risks rejection of their Bid.

### ARTICLE 3 – QUALIFICATIONS OF BIDDERS

- 3.01 To demonstrate Bidder's qualifications to perform the Work, Bidder shall submit with its Bid (a) written evidence establishing its qualifications such as financial data, previous experience, and present commitments, and (b) the following additional information:
- A. Evidence of Bidder's authority to do business in the state where the Project is located.
  - B. Subcontractor and Supplier qualification information; coordinate with provisions of Article 12 of these Instructions, "Subcontractors, Suppliers, and Others."
  - C. List of equipment suppliers to be used.
- 3.02 A Bidder's failure to submit required qualification information within the times indicated may disqualify Bidder from receiving an award of the Contract.
- 3.03 No requirement in this Article 3 to submit information will prejudice the right of Owner to seek additional pertinent information regarding Bidder's qualifications.

3.04 Bidder is advised to carefully review those portions of the Bid Form requiring Bidder's representations and certifications.

**ARTICLE 4 – SITE AND OTHER AREAS; EXISTING SITE CONDITIONS; EXAMINATION OF SITE; OWNER'S SAFETY PROGRAM; OTHER WORK AT THE SITE**

4.01 *Site and Other Areas*

- A. The Site is identified in the Bidding Documents. By definition, the Site includes rights-of-way, easements, and other lands furnished by Owner for the use of the Contractor. Any additional lands required for temporary construction facilities, construction equipment, or storage of materials and equipment, and any access needed for such additional lands, are to be obtained and paid for by Contractor.
- B. Easements and their conditions are listed in the Supplementary Conditions SC-5.03.

4.02 *Existing Site Conditions*

A. Subsurface and Physical Conditions; Hazardous Environmental Conditions

1. The Supplementary Conditions identify:
  - a. those reports known to Owner of explorations and tests of subsurface conditions at or adjacent to the Site.
  - b. those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except Underground Facilities).
  - c. reports and drawings known to Owner relating to Hazardous Environmental Conditions that have been identified at or adjacent to the Site.
  - d. Technical Data contained in such reports and drawings.
2. Owner will make copies of reports and drawings referenced above available to any Bidder on request. These reports and drawings are not part of the Contract Documents, but the Technical Data contained therein upon whose accuracy Bidder is entitled to rely, as provided in the General Conditions, has been identified and established in the Supplementary Conditions. Bidder is responsible for any interpretation or conclusion Bidder draws from any Technical Data or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.
3. If the Supplementary Conditions do not identify Technical Data, the default definition of Technical Data set forth in Article 1 of the General Conditions will apply.
4. Geotechnical Baseline Report: The Bidding Documents contain a Geotechnical Baseline Report (GBR). The GBR describes certain select subsurface conditions that are anticipated to be encountered by Contractor during construction in specified locations ("Baseline Conditions"). The GBR is a Contract Document.

The Baseline Conditions in the GBR are intended to reduce uncertainty and the degree of contingency in submitted Bids. However, Bidders cannot rely solely on the Baseline Conditions. Bids should be based on a comprehensive approach that includes an independent review and analysis of the GBR, all other Contract Documents, Technical

Data, other available information, and observable surface conditions. Not all potential subsurface conditions are baselined.

Nothing in the GBR is intended to relieve Bidders of the responsibility to make their own determinations regarding construction costs, bidding strategies, and Bid prices, nor of the responsibility to select and be responsible for the means, methods, techniques, sequences, and procedures of construction, and for safety precautions and programs incident thereto.

- B. Underground Facilities: Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or adjacent to the Site are set forth in the Contract Documents and are based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities, including Owner, or others.
- C. Adequacy of Data: Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to subsurface conditions, other physical conditions, and Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated subsurface or physical conditions appear in Paragraphs 5.03, 5.04, and 5.05 of the General Conditions. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to a Hazardous Environmental Condition at the Site, if any, and possible changes in the Contract Documents due to any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work, appear in Paragraph 5.06 of the General Conditions.

4.03 *Site Visit and Testing by Bidders*

- A. Bidder shall conduct the required Site visit during normal working hours, and shall not disturb any ongoing operations at the Site.
  - 1. Site visits shall be coordinated with Ken Griffith, Village of Hamler, 500 E. Hubbard Street, Hamler, OH 43524, 419-274-7651.
- B. Bidder is not required to conduct any subsurface testing, or exhaustive investigations of Site conditions.
- C. On request, and to the extent Owner has control over the Site, and schedule permitting, the Owner will provide Bidder access to the Site to conduct such additional examinations, investigations, explorations, tests, and studies as Bidder deems necessary for preparing and submitting a successful Bid. Owner will not have any obligation to grant such access if doing so is not practical because of existing operations, security or safety concerns, or restraints on Owner's authority regarding the Site.
- D. Bidder shall comply with all applicable Laws and Regulations regarding excavation and location of utilities, obtain all permits, and comply with all terms and conditions established by Owner or by property owners or other entities controlling the Site with respect to schedule, access, existing operations, security, liability insurance, and applicable safety programs.
- E. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.

4.04 *Owner's Safety Program*

- A. Site visits and work at the Site may be governed by an Owner safety program. As the General Conditions indicate, if an Owner safety program exists, it will be noted in the Supplementary Conditions.

4.05 *Other Work at the Site*

- A. Reference is made to Article 8 of the Supplementary Conditions for the identification of the general nature of other work of which Owner is aware (if any) that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) and relates to the Work contemplated by these Bidding Documents. If Owner is party to a written contract for such other work, then on request, Owner will provide to each Bidder access to examine such contracts (other than portions thereof related to price and other confidential matters), if any.

**ARTICLE 5 – BIDDER'S REPRESENTATIONS**

5.01 It is the responsibility of each Bidder before submitting a Bid to:

- A. examine and carefully study the Bidding Documents, and any data and reference items identified in the Bidding Documents;
- B. visit the Site, conduct a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfy itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;
- C. become familiar with and satisfy itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work;
- D. carefully study all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings;
- E. consider the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs;
- F. agree, based on the information and observations referred to in the preceding paragraph, that at the time of submitting its Bid no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents;

- G. become aware of the general nature of the work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents;
- H. promptly give Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder;
- I. determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work; and
- J. agree that the submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

#### **ARTICLE 6 – PRE-BID CONFERENCE**

- 6.01 A pre-Bid conference will be held at the time and location stated in the invitation or advertisement to bid. Representatives of Owner and Engineer will be present to discuss the Project. Bidders are encouraged to attend and participate in the conference. Engineer will transmit to all prospective Bidders of record such Addenda as Engineer considers necessary in response to questions arising at the conference. Oral statements may not be relied upon and will not be binding or legally effective.

#### **ARTICLE 7 – INTERPRETATIONS AND ADDENDA**

- 7.01 All questions about the meaning or intent of the Bidding Documents are to be submitted to Engineer in writing. Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda delivered to all parties recorded as having received the Bidding Documents. Questions received less than seven days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- 7.02 Addenda may be issued to clarify, correct, supplement, or change the Bidding Documents.

#### **ARTICLE 8 – BID SECURITY**

- 8.01 A Bid must be accompanied by Bid security made payable to Owner in an amount of 100 percent of Bidder's maximum Bid price (determined by adding the base bid and all alternates) and in the form of a certified check, bank money order, or a Bid bond (on the form included in the Bidding Documents) issued by a surety meeting the requirements of Paragraphs 6.01 and 6.02 of the General Conditions.
- 8.02 The Bid security of the apparent Successful Bidder will be retained until Owner awards the contract to such Bidder, and such Bidder has executed the Contract Documents, furnished the required contract security, and met the other conditions of the Notice of Award, whereupon the Bid security will be released. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within 15 days after the Notice of Award,

Owner may consider Bidder to be in default, annul the Notice of Award, and the Bid security of that Bidder will be forfeited. Such forfeiture shall be Owner’s exclusive remedy if Bidder defaults.

- 8.03 The Bid security of other Bidders that Owner believes to have a reasonable chance of receiving the award may be retained by Owner until the earlier of seven days after the Effective Date of the Contract or 91 days after the Bid opening, whereupon Bid security furnished by such Bidders will be released.
- 8.04 Bid security of other Bidders that Owner believes do not have a reasonable chance of receiving the award will be released within seven days after the Bid opening.

#### **ARTICLE 9 – CONTRACT TIMES**

- 9.01 The number of days within which, or the dates by which, [Milestones are to be achieved and] the Work is to be substantially completed, and completed and ready for final payment, are set forth in the Agreement.

#### **ARTICLE 10 – LIQUIDATED DAMAGES**

- 10.01 Provisions for liquidated damages, if any, for failure to timely attain a Milestone, Substantial Completion, or completion of the Work in readiness for final payment, are set forth in the Agreement.

#### **ARTICLE 11 – SUBSTITUTE AND “OR-EQUAL” ITEMS**

- 11.01 The Contract for the Work, as awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration during the bidding and Contract award process of possible substitute or “or-equal” items. In cases in which the Contract allows the Contractor to request that Engineer authorize the use of a substitute or “or-equal” item of material or equipment, application for such acceptance may not be made to and will not be considered by Engineer until after the Effective Date of the Contract.
- 11.02 All prices that Bidder sets forth in its Bid shall be based on the presumption that the Contractor will furnish the materials and equipment specified or described in the Bidding Documents, as supplemented by Addenda. Any assumptions regarding the possibility of post-Bid approvals of “or-equal” or substitution requests are made at Bidder’s sole risk.

#### **ARTICLE 12 – SUBCONTRACTORS, SUPPLIERS, AND OTHERS**

- 12.01 A Bidder shall be prepared to retain specific Subcontractors, Suppliers, or other individuals or entities for the performance of the Work if required by the Bidding Documents (most commonly in the Specifications) to do so. If a prospective Bidder objects to retaining any such Subcontractor, Supplier, or other individual or entity, and the concern is not relieved by an Addendum, then the prospective Bidder should refrain from submitting a Bid.
- 12.02 Subsequent to the submittal of the Bid, Owner may not require the Successful Bidder or Contractor to retain any Subcontractor, Supplier, or other individual or entity against which Contractor has reasonable objection.

12.03 The apparent Successful Bidder, and any other Bidder so requested, shall within five days after Bid opening, submit to Owner a list of the Subcontractors or Suppliers proposed for the following portions of the Work: all subcontractors.

If requested by Owner, such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor, Supplier, or other individual or entity. If Owner or Engineer, after due investigation, has reasonable objection to any proposed Subcontractor, Supplier, individual, or entity, Owner may, before the Notice of Award is given, request apparent Successful Bidder to submit an acceptable substitute, in which case apparent Successful Bidder shall submit a substitute, Bidder's Bid price will be increased (or decreased) by the difference in cost occasioned by such substitution, and Owner may consider such price adjustment in evaluating Bids and making the Contract award.

12.04 If apparent Successful Bidder declines to make any such substitution, Owner may award the Contract to the next lowest Bidder that proposes to use acceptable Subcontractors, Suppliers, or other individuals or entities. Declining to make requested substitutions will constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which Owner or Engineer makes no written objection prior to the giving of the Notice of Award will be deemed acceptable to Owner and Engineer subject to subsequent revocation of such acceptance as provided in Paragraph 7.06 of the General Conditions.

#### **ARTICLE 13 – PREPARATION OF BID**

13.01 The Bid Form is included with the Bidding Documents.

- A. All blanks on the Bid Form shall be completed in ink and the Bid Form signed in ink. Erasures or alterations shall be initialed in ink by the person signing the Bid Form. A Bid price shall be indicated for each section, Bid item, alternate, adjustment unit price item, and unit price item listed therein.
- B. If the Bid Form expressly indicates that submitting pricing on a specific alternate item is optional, and Bidder elects to not furnish pricing for such optional alternate item, then Bidder may enter the words "No Bid" or "Not Applicable."

13.02 A Bid by a corporation shall be executed in the corporate name by a corporate officer (whose title must appear under the signature), accompanied by evidence of authority to sign. The corporate address and state of incorporation shall be shown. The corporate seal shall be affixed and attested by the corporate secretary or an assistant corporate secretary.

13.03 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The partnership's address for receiving notices shall be shown.

13.04 A Bid by a limited liability company shall be executed in the name of the firm by a member or other authorized person and accompanied by evidence of authority to sign. The state of formation of the firm and the firm's address for receiving notices shall be shown.

13.05 A Bid by an individual shall show the Bidder's name and address for receiving notices.

- 13.06 A Bid by a joint venture shall be executed by an authorized representative of each joint venturer in the manner indicated on the Bid Form. The joint venture's address for receiving notices shall be shown.
- 13.07 All names shall be printed in ink below the signatures.
- 13.08 The Bid shall contain an acknowledgment of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.
- 13.09 Postal and e-mail addresses and telephone number for communications regarding the Bid shall be shown.
- 13.10 The Bid shall contain evidence of Bidder's authority and qualification to do business in the state where the Project is located, or Bidder shall covenant in writing to obtain such authority and qualification prior to award of the Contract and attach such covenant to the Bid. Bidder's state contractor license number, if any, shall also be shown on the Bid Form.

#### **ARTICLE 14 – BASIS OF BID**

##### **14.01 *Unit Price***

- A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the unit price section of the Bid Form.
- B. The "Bid Price" (sometimes referred to as the extended price) for each unit price Bid item will be the product of the "Estimated Quantity" (which Owner or its representative has set forth in the Bid Form) for the item and the corresponding "Bid Unit Price" offered by the Bidder. The total of all unit price Bid items will be the sum of these "Bid Prices"; such total will be used by Owner for Bid comparison purposes. The final quantities and Contract Price will be determined in accordance with Paragraph 13.03 of the General Conditions.
- C. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

##### **14.02 *Allowances***

- A. For cash allowances the Bid price shall include such amounts as the Bidder deems proper for Contractor's overhead, costs, profit, and other expenses on account of cash allowances, if any, named in the Contract Documents, in accordance with Paragraph 13.02.B of the General Conditions.

#### **ARTICLE 15 – SUBMITTAL OF BID**

- 15.01 The Bidding Documents have been provided electronically, a Bidder is responsible for furnishing separate unbound copy of the Bid Form, and, if required, the Bid Bond Form. The unbound copy of the Bid Form is to be completed and submitted with the Bid security and the other documents required to be submitted under the terms of Article 7 of the Bid Form.
- 15.02 A Bid shall be received no later than the date and time prescribed and at the place indicated in the advertisement or invitation to bid and shall be enclosed in a plainly marked package with the Project title (and, if applicable, the designated portion of the Project for which the Bid is

submitted), the name and address of Bidder, and shall be accompanied by the Bid security and other required documents. If a Bid is sent by mail or other delivery system, the sealed envelope containing the Bid shall be enclosed in a separate package plainly marked on the outside with the notation "BID ENCLOSED." A mailed Bid shall be addressed to **Henry County Commissioner's Office, 1853 Oakwood Avenue, Napoleon, Ohio 43545. (Addendum 2, Issued 3/2/2026)**

- 15.03 Bids received after the date and time prescribed for the opening of bids, or not submitted at the correct location or in the designated manner, will not be accepted and will be returned to the Bidder unopened.

#### **ARTICLE 16 – MODIFICATION AND WITHDRAWAL OF BID**

- 16.01 A Bid may be withdrawn by an appropriate document duly executed in the same manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time for the opening of Bids. Upon receipt of such notice, the unopened Bid will be returned to the Bidder.
- 16.02 If a Bidder wishes to modify its Bid prior to Bid opening, Bidder must withdraw its initial Bid in the manner specified in Paragraph 16.01 and submit a new Bid prior to the date and time for the opening of Bids.
- 16.03 If within 24 hours after Bids are opened any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Bid security will be returned. Thereafter, if the Work is rebid, that Bidder will be disqualified from further bidding on the Work.

#### **ARTICLE 17 – OPENING OF BIDS**

- 17.01 Bids will be opened at the time and place indicated in the advertisement or invitation to bid and, unless obviously non-responsive, read aloud publicly. An abstract of the amounts of the base Bids and major alternates, if any, will be made available to Bidders after the opening of Bids.

#### **ARTICLE 18 – BIDS TO REMAIN SUBJECT TO ACCEPTANCE**

- 18.01 All Bids will remain subject to acceptance for the period of time stated in the Bid Form, but Owner may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

#### **ARTICLE 19 – EVALUATION OF BIDS AND AWARD OF CONTRACT**

- 19.01 Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner will reject the Bid of any Bidder that Owner finds, after reasonable inquiry and evaluation, to not be responsible. If Bidder purports to add terms or conditions to its Bid, takes exception to any provision of the Bidding Documents, or attempts to alter the contents of the Contract Documents for purposes of the Bid, then the Owner will reject the Bid as nonresponsive; provided that Owner also reserves the right to waive all minor informalities not involving price, time, or changes in the Work.

- 19.02 If Owner awards the contract for the Work, such award shall be to the responsible Bidder submitting the lowest responsive Bid.
- 19.03 Evaluation of Bids
- A. In evaluating Bids, Owner will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices, and other data, as may be requested in the Bid Form or prior to the Notice of Award.
  - B. For the determination of the apparent low Bidder when unit price bids are submitted, Bids will be compared on the basis of the total of the products of the estimated quantity of each item and unit price Bid for that item, together with any lump sum items.
- 19.04 In evaluating whether a Bidder is responsible, Owner will consider the qualifications of the Bidder and may consider the qualifications and experience of Subcontractors and Suppliers proposed for those portions of the Work for which the identity of Subcontractors and Suppliers must be submitted as provided in the Bidding Documents.
- 19.05 Owner may conduct such investigations as Owner deems necessary to establish the responsibility, qualifications, and financial ability of Bidders and any proposed Subcontractors or Suppliers.

#### **ARTICLE 20 – BONDS AND INSURANCE**

- 20.01 Article 6 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth Owner’s requirements as to performance and payment bonds and insurance. When the Successful Bidder delivers the Agreement (executed by Successful Bidder) to Owner, it shall be accompanied by required bonds and insurance documentation.

#### **ARTICLE 21 – SIGNING OF AGREEMENT**

- 21.01 When Owner issues a Notice of Award to the Successful Bidder, it shall be accompanied by the unexecuted counterparts of the Agreement along with the other Contract Documents as identified in the Agreement. Within 15 days thereafter, Successful Bidder shall execute and deliver the required number of counterparts of the Agreement (and any bonds and insurance documentation required to be delivered by the Contract Documents) to Owner. Within ten days thereafter, Owner shall deliver one fully executed counterpart of the Agreement to Successful Bidder, together with printed and electronic copies of the Contract Documents as stated in Paragraph 2.02 of the General Conditions.

#### **ARTICLE 22 – SALES AND USE TAXES**

- 22.01 Owner is exempt from Ohio state sales and use taxes on materials and equipment to be incorporated in the Work. Said taxes shall not be included in the Bid. Refer to Paragraph SC-7.09 of the Supplementary Conditions for additional information.

#### **ARTICLE 23 – CONTRACTS TO BE ASSIGNED**

None.

#### ARTICLE 24 – RETAINAGE

24.01 Provisions concerning retainage are set forth in the Agreement.

#### ARTICLE 25 – WAGE RATES

25.01 The Bidder to whom the Contract is awarded will be required to pay as a minimum, the prevailing wage rates, current throughout the work, promulgated by the Davis-Bacon Act. Wage rates received for this project are included in the Exhibits of the Supplementary Conditions.

#### ARTICLE 26 – PROTEST

26.01 A protest based upon all alleged violation of the procurement requirements of 40 CFR Part 33 may be filed against the Owner's procurement action by a party with an adversely affected direct financial interest. The protest shall be filed with the Owner.

26.02 A protest shall be filed as early as possible during the procurement process, but must be received by the Owner no later than one week after the basis of the protest is known or should have been known, whichever is earlier. If the protest is mailed, the protester bears the risk of non-delivery within the required time period.

26.03 A protest must clearly present the procurement requirement being protested, the procurement regulation in alleged noncompliance, and the facts which support the protest, and any other information necessary to support the protest.

#### ARTICLE 27 – FUNDING REQUIREMENTS

27.01 Bidders are required to complete documentation for the Ohio EPA Water Supply Revolving Loan Account (WSRLA) and the CDBG funding forms issued by Ohio Department of Development. Funding documents must be submitted within three days after the bid opening. General requirements are contained in the Additional Supplementary Conditions. **(Addendum 2, Issued 3/2/2026)**

**BID FORM**

Village of Hamler, Ohio

Water Treatment Plant - GAC System

**ARTICLE 1 – BID RECIPIENT**

1.01 This Bid is submitted to:

Village of Hamler, Ohio

At Henry County Commissioners Office

1853 Oakwood Avenue

Napoleon, OH 43545

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

**ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS**

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

**ARTICLE 3 – BIDDER’S REPRESENTATIONS**

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

#### **ARTICLE 4 – BIDDER'S CERTIFICATION**

##### **4.01 Bidder certifies that:**

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
  - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;

2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

**ARTICLE 5 – BASIS OF BID**

- 5.01 The basis of award for the Contract will be the Base Bid Price, including Base Bid Equipment and Product Manufacturers.
- A. Bid Alternate(s), Mandatory Equipment and Product Manufacturer(s), and “or equal” will be considered by the Owner, in accordance with the Contract Documents, after the award of the Contract.
- 5.02 Bidder shall fill in all blanks on the Bid Form.
- A. The name or make of any piece of equipment or material of construction specified in the Contract Documents and identified on the following Base Bid Equipment and Product Manufacturer List shall be utilized in determining the base bid price.
  - B. Where two or more Equipment or Product Manufacturers are named, or the words “Or Equal” are listed in the Contract Documents and not included in the Base Bid List, Bidders may utilize any of the named or follow the “Or Equal” process outlined in the Contract Documents.
  - C. The Bidder shall identify their selected Equipment or Product Manufacturer on the Base Bid List as follows: **(Addendum 1, Issued 2/13/2026)**

<b>Base Bid Equipment or Product Manufacturer List</b>	
<b>Specification Section</b>	<b>Equipment or Product Manufacturers</b> Select One by Circling
11035	Calgon Carbon Corporation
11735 (Pump)	National Pump Company
11735 (Pitless Adapter)	Baker Manufacturing Company

- D. The Owner will have the right to select the Equipment or Product Manufacturer in the Base Bid List if Bidder fails to make a selection where required.
- 5.03 Bidder shall provide pricing for the Mandatory Equipment or Product Manufacturer Alternates below.
- A. Where required, Bidder shall make a selection for the “Add” or “Deduct” by circling one, indicating that the price is to be Added or Deducted from the Base Bid Price, if the Owner accepts that Equipment or Product Manufacturer Alternate. If the Bidder fails to make a selection the default will be a Deduction.
- B. A Mandatory Alternate is required for each Equipment or Product Manufacturer listed.

<b>Mandatory Alternate</b>				
<b>Specification Section</b>	<b>Equipment or Product Manufacturers</b> Shall not be the same as Base Bid Provide pricing for Mandatory Alternate for all listed Equipment or Product manufacturers	<b>Circle One</b> Assumed to be a deduct unless one is circled	<b>Dollar Amount</b>	<b>Estimated Delivery Lead Time of Equipment (Weeks)</b>
11035	Newterra	Add/Deduct		
11035	Aqueous Vets	Add/Deduct		
		Add/Deduct		

(Addendum 2, Issued 3/2/2026)

**UNIT PRICE BID**

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor’s overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

Item No.	Description	Estimated Quantity	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item	
1	General WTP Work	1	LS					
2	Allowances	1	LS					
Total Estimated Construction Cost:								

**ARTICLE 6 – TIME OF COMPLETION**

6.01 Bidder agrees that the Work will be substantially complete within 600 calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within 660 calendar days after the date when the Contract Times commence to run.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 7 – ATTACHMENTS TO THIS BID**

7.01 The following documents are submitted with and made a condition of this Bid:

- A. List of Proposed Subcontractors
- B. List of Proposed Suppliers
- C. Required Bid security;
- D. Evidence of authority to do business in the state of the Project; and
- E. Required Bidder Qualification Statement with supporting data.
- F. WSRLA and CDBG Funding Documents **(Addendum 2, Issued 3/2/2026)**

**ARTICLE 8 – DEFINED TERMS**

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

**ARTICLE 9 – BID SUBMITTAL**

BIDDER: *[Indicate correct name of bidding entity]*

---

By:  
*[Signature]* \_\_\_\_\_

*[Printed name]* \_\_\_\_\_  
*(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)*

Attest:  
*[Signature]* \_\_\_\_\_

*[Printed name]* \_\_\_\_\_

\_\_\_\_\_

Title: \_\_\_\_\_

Submittal Date: \_\_\_\_\_

Address for giving notices:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone Number: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Contact Name and e-mail address: \_\_\_\_\_

\_\_\_\_\_

Bidder's License No.: \_\_\_\_\_  
*(where applicable)*

PERSONAL PROPERTY TAX AFFIDAVIT

STATE OF OHIO )  
 )ss.  
COUNTY OF \_\_\_\_\_)

\_\_\_\_\_, being first duly sworn, deposes and says as follows: answering whichever is applicable by placing an "X" before items 1 or 2.

- 1.           ( ) We are not charged with any delinquent personal property taxes on the general tax list of personal property in \_\_\_\_\_ County, Ohio.
- 2.           ( ) We are charged with delinquent personal property taxes on the general tax list of \_\_\_\_\_ County, Ohio including unpaid penalties and interest in the amount of \$\_\_\_\_\_.

\_\_\_\_\_  
Bidder

By: \_\_\_\_\_

Title: \_\_\_\_\_

Sworn and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_.

\_\_\_\_\_  
Notary Public in and for

\_\_\_\_\_ State

My Commission Expires:

\_\_\_\_\_ 20 \_\_\_\_\_

**SECTION 11035  
GRANULAR ACTIVATED CARBON EQUIPMENT**

**PART 1 GENERAL**

**1.01 SCOPE**

- A. Under this Section, the Contractor shall furnish and install two granular activated carbon vessels arranged in one adsorption system with accessories as specified herein.

**1.02 SUBMITTALS**

- A. Submittals shall be in accordance with the requirements of Section 01300 and shall include:
1. For Review:
    - a. The Contractor shall indicate all variances from the requirement of the Contract Documents.
    - b. Dimensions.
    - c. Manufacturer's literature.
    - d. Manufacturer's installation instructions.
    - e. Manufacturer's certificates.
  2. Information for the Record:
    - a. Equipment supplier's written report that equipment:
      - 1) Has been properly installed.
      - 2) Has been operated and that satisfactory operation has been obtained.
    - b. Complete list of all component parts including:
      - 1) Manufacturer's name and model number.
      - 2) Materials of construction.
      - 3) Accessories.
      - 4) Performance data.
    - c. Catalog data.
    - a. Design data.
- B. Operation and Maintenance Manuals.

**1.03 MANUFACTURER**

- A. It is the specific intent of this Section to limit the equipment furnished to a product of a major process equipment manufacturer that has substantial experience and expertise in similar size granular activated carbon systems and that will assume responsibility with respect to the overall functional capability of the equipment provided.
- B. All major system components shall be furnished by a single manufacturer who has adequate experience and experimental data, in the judgment of the Engineer, concerning GAC systems of the type to be furnished for this Section.
- C. It is recognized the GAC equipment manufacturer may not manufacture all the equipment specified under this Section; however, to ensure a stable and complete operating system, it is required that the equipment manufacturer furnish and be responsible of all equipment, regardless of manufacturer, furnished under this Section.
- D. To establish a minimum quality required, the products furnished under this Section shall be one modular Model 8 Adsorption System by Calgon Carbon Corporation . Other vessel manufacturer are acceptable provided they meet the dimensional footprint shown on the Drawings. Drawings, vessel dimensions, and piping arrangements are based on Calgon Carbon vessels. Variations to the piping arrangement are the responsibility of the Contractor and as shall be approved by the Engineer.
- E. The Basis of Bid for the equipment is Calgon Carbon Corporation. Newterra model CP-10k-8 and Aqueous Vets PF 8-710 are approved alternatives. The cost difference including changes to piping shall be indicated on the Bid Form. The estimated lead time of the equipment shall be included on the Bid Form. **(Addendum 2, Issued 3/2/2026)**
- F. If equipment other than that of the manufacturer shown is submitted to the Engineer for consideration as an equal, it shall be the responsibility of the Bidder wishing to make the substitution to submit with the request a revised drawing of the mechanical equipment and tank layouts acceptable to the Engineer. This revised drawing shall show the proposed location of the substitute vessels. This drawing shall also show clearances of adjacent equipment and service area required by that equipment.

**PART 2 PRODUCTS**

**2.01 GENERAL**

- A. Each two-vessel system shall be capable of the removal of TTHMs from filtered and ion-exchange softened water at the series flow rate of 140 gpm when loaded at 2.8 gpm/sf and empty bed contact time of 15 minutes in each vessel. Average filtered water analysis is presented as follows:

pH	8.01 su
Total hardness (as CaCO <sub>3</sub> )	129 mg/L
Alkalinity (as CaCO <sub>3</sub> )	208 mg/L
Turbidity	0.06 ntu
Total Organic Carbon	1.2 mg/L

TTHM	50 ug/L
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- B. The building structural design was based on a single adsorber operating weight of 46,000 pounds or system weight of 92,000 pounds and each adsorber supported by four legs. Cost of building structural redesign as a result of heavier vessels shall be borne by the Contractor.

## 2.02 SCHEDULE OF EQUIPMENT AND MATERIALS

- A. The following equipment and materials shall be included:
1. Carbon adsorbers with internals for carbon retention.
  2. Influent, effluent and backwash piping with valves.
  3. Carbon fill and discharge piping with valves and hoses of sufficient length to reach farthest vessel to permanent wall mounted fill and discharge sleeves.
  4. Vent and pressure relief piping.
  5. Water piping and utility connections.
  6. Accessories described herein.
  7. Sampling nozzles and accessories.
- B. Granular activated carbon shall be furnished and installed by Calgon Carbon. No other manufacturers are acceptable. A cost for their work is included in Section 4.

## 2.03 CARBON ADSORBER VESSELS

- A. Each adsorber vessel shall be fabricated of carbon steel, conforming to ASTM A516 grade 70, 8 feet-0-inch diameter by 8 feet-0-inch straight side height with 2:1 elliptical top and bottom heads. The overall equipment height shall not exceed 16-feet-6-inches. The vessels are designed, constructed and stamped in accordance with ASME Section VIII, Division 1 and registered with the National Board for a design pressure rating of 125 psig at 140 degrees F. Each vessel shall be provided with one 20-inch diameter round manway located on the lower straight side portion of the vessel and one 14-inch by 18-inch elliptical manway located on the bottom head and one on the top head. The vessels shall be free standing vessels with four structural steel support legs.
- B. The structural aspects of the vessel shall be sufficient to meet seismic design requirements as shown on the Drawings.
- C. Underdrain system. Supply one of the following:
1. Each vessel shall be equipped with an internal cone bottom (45-degree angle) underdrain system equipped with polypropylene or stainless-steel underdrain nozzles to provide a minimum of one nozzle for every nominal square foot of vessel cross section.

2. Each vessel shall be equipped with an 8" schedule 10 304 stainless steel header with 1 ½" diameter wedge wire laterals. The laterals are constructed of 316 stainless steel .060 triangular wire with an opening of .008".
3. Each vessel shall be equipped with an external ring header piping system with septa screens. There shall be (8) 316L stainless steel V-wire septa screens per vessel.
- D. All surfaces will be degreased prior to sandblasting. The adsorber internal surface that will be lined shall be blasted to a white metal surface (SSPC-SP5) to provide a 3 to 4 mil anchor pattern. The exterior of the adsorber will be power tool cleaned to the degree specified by SSPC-SP3-63.
- E. The interior surfaces of each vessel shall be lined with a nominal 35 to 45 mil dry film thickness (dft) using Carboline's Plasite 4110 series vinyl ester lining materials. The interior surfaces under the internal cone bottom will also be lined with 10 to 12 mil dft using Carboline's Plasite "4000 series" vinyl ester lining materials. Plasite "4000 series" materials meet the requirements of the U. S. Federal Register, Food and Drug Regulations Title 21, Chapter 1, Paragraph 175.300.
- F. Vessels components including the vessels, piping, and valves shall include ANSI/NSF Standard 61 coating where in contact with potable water.
- G. The exterior surface of the adsorbers shall be painted to a dry film thickness of 5 to 7 mil with a high solids epoxy paint material using Sherwin Williams 646 Macropoxy or equal. **(Addendum 2, Issued 3/2/2026)**

#### 2.04 PROCESS AND UTILITY PIPING

- A. The process and utility piping on the adsorption system shall include influent water to the system, treated water, backwash supply and discharge, adsorber vent lines and granular activated carbon fill and discharge piping.
- B. The influent and effluent pipe network allows series (lead/lag) and parallel only operating modes. Lead/lag operation allows either; a) flow from the influent flange, to Adsorber A, to the pipe module, to Adsorber B, to the pipe module then to the effluent flange, or b) flow from the influent flange, to Adsorber B, to the pipe module, to Adsorber A, to the pipe module then to the effluent flange. The change in flow pattern is accomplished with a change of valve positions. The purpose of lead/lag operation allows an adsorber to act as an on-line backup and/or provides for sufficient contact time to allow adsorption of the contaminants of concern.
- C. Process piping (influent, effluent and backwash) shall be 6-inch diameter, constructed of Schedule 40 carbon steel, ASTM A53 Grade B materials with 125-pound ASTM A126 Class B cast iron flanged fittings.
- D. Vent piping shall be 3-inch diameter, constructed of Schedule 40 carbon steel, ASTM A53 Grade B materials.
- E. Carbon fill piping shall be 3-inch diameter, constructed of Type 304 stainless steel.

- F. Carbon discharge piping shall be 3-inch diameter, constructed of Type 304 stainless steel with flanged fittings.
- G. Utility piping will be constructed of threaded Schedule 80 carbon steel, ASTM 53 Grade B materials.
- H. All piping surfaces will be power tool cleaned and grease removed and given the manufacturer's standard coating system prior to assembly to ensure minimum oxidation at flanged connections.
- I. The piping network will be provided with a structural steel support frame for support of the piping module.

#### 2.05 PROCESS AND UTILITY VALVES

- A. The process and utility piping; excluding GAC fill and discharge piping shall be equipped with cast iron wafer type butterfly valves for flow control. A total of ten 6-inch diameter butterfly valves shall be supplied for each two-vessel system to accommodate the process and backwash control functions. Two valves are needed for backwash control, two valves are needed for influent isolation, two valves for effluent isolation, two valves for staging of the vessels and two valves for the vent function.
- B. The carbon fill and discharge valves are 3-inch diameter full port ball valves, 316 stainless steel construction with TFE seats and seals. A total of four valves are supplied for each two-vessel system, two for carbon fill and two for carbon discharge.
- C. Six-inch valves shall be furnished with lever actuators. 4-inch and 3-inch valves shall be furnished with lever actuators.
- D. Utility valves for the compressed air supply will be bronze or brass or barstock brass body regular port ball valves.

#### 2.06 INSTRUMENTATION

- A. Pressure relief will be provided by a 3-inch rupture disk constructed of impervious graphite and designed to relieve pressure at the MAWP of the vessel. The rupture disks will be mounted off the vessel vent line. A total of two will be provided for each system.
- B. The process piping shall be equipped with pressure gauges to indicate the pressure entering and exiting each adsorber and to provide information on pressure drop across each adsorber and the system. The pressure gauges shall have 4-1/2-inch face diameter with a stainless-steel bourdon tube in a phenolic case housing (1 to 100 psig range). A total of three will be provided for each system.

#### 2.07 MISCELLANEOUS

- A. The carbon fill and discharge shall be fitted with hose connections, such that carbon transfer to and from the adsorbers can be facilitated using carbon transfer hoses. These connectors will be 4 inch Quick Disconnect Adaptors constructed of corrosion

resistant materials (nylon) as manufactured by Dover Corp., Kamlock connectors or equal.

- B. Two flush connections shall be provided on each GAC fill line, one upstream and one downstream of the valve. One flush connection shall be provided on each GAC discharge line, downstream of the valve. The connections shall be welded into the steel or stainless-steel pipe or screwed into solid propylene “spacers” for the lined pipe. Flush connections will consist of a short section of 3/4 inch pipe, a 3/4-inch full port ball valve and a 3/4 inch quick disconnect adaptor to match with water hose fittings.
- C. Each adsorber shall be provided with three 2-inch side sample nozzles for use with in-bed water sample probes. Sample probes consist of a 12-inch stainless steel pipe with a stainless-steel slotted nozzle to collect a water sample from within the carbon bed. The sample probe will be inserted through a 2-inch flanged nozzle (flanged nozzle to assure adequate coverage of the internal lining); and will be provided with a drop line and shutoff valve external to the adsorber.
- D. Provide two 4-inch transfer hoses with appropriate Kamlock connectors. Hoses shall be of sufficient length to connect the farthest contactor to the permanent wall sleeve installed near the exterior access door to the GAC room. Two hose lengths shall be 100 feet. **(Addendum 2, Issued 3/2/2026)**

**2.08 GRANULAR ACTIVATED CARBON**

- A. The granular activated carbon shall be Calgon Carbon Corporation Filtrasorb 400 (F400). No other media will be considered. Ten thousand (10,000) pounds of carbon shall be provided and installed within each adsorber vessel (20,000 pounds total per system).
- B. The activated carbon shall be virgin, granular and manufactured from select grades of bituminous coal combined with suitable binders to provide a re-agglomerated granular product by a domestic (United States) manufacturing facility. The GAC shall conform to AWWA B604 standard for GAC and comply with ANSI/NSF Standard 61. The activated carbon shall be manufactured to the following specification:

Product Specification	Value	Test Method
Iodine Number (mg/g), min.	1000	TM-4, ASTM D4607
Moisture, weight %, max.	2	TM-1, ASTM D2867
Effective size, mm	0.55 – 0.75	TM-47, ASTM D2862
Uniformity coefficient, max.	1.9	TM-47, ASTM D2862
Abrasion No., min.	75	TM-9, AWWA B604
Screen Size by Weight, US Series		
On 12 mesh, max.	5%	TM-8, ASTM D2862
Through 40 mesh, max.	4%	TM-8, ASTM D2862
<b>Typical Property</b>	<b>Value</b>	
Apparent Density, g/cc	0.57	TM-7, ASTM D2862
Water Soluble Ash	<1%	AWWA B604
Non-Wettable	<1%	AWWA B604

- C. An analysis sheet certifying compliance with the specifications and indicating point of manufacture will accompany the delivered activated carbon.

### **PART 3 EXECUTION**

#### **3.01 INSTALLATION**

- A. The GAC equipment shall be installed in accordance with the manufacturer's recommendations, Engineer's instructions, and the Contract Documents.
- B. After the equipment is installed, the Contractor shall clean each vessel and pipe system and perform a hydrostatic test of the assembled system. Upon successful hydrostatic test, the Contractor shall disinfect the system by chlorination in accordance with AWWA C653.
- C. The Contractor shall load the GAC following accepted trade practices and manufacturer's instructions. The Contractor shall provide ancillary equipment such as air compressor, piping and hoses required for the filling process.

#### **3.02 INSPECTION, STARTUP, AND TRAINING**

- A. The Contractor shall furnish the services of a manufacturer's factory service person for final inspection, GAC loading assistance and startup of all equipment furnished by the manufacturer and to instruct Owner and Contractor personnel in proper operation and maintenance procedures. A minimum of two trips, for a total of six, eight-hour workdays shall be required.
- B. Inspection, startup, and training services shall consist of an equipment check, startup, and training of operating personnel. The Contractor shall ensure that all equipment is in operating condition and ready for service.
- C. Within two weeks of start-up, the manufacturer shall submit to the Engineer a written report (minimum 4 copies) covering the representative's inspection and start-up of the equipment. This report shall include the manufacturer's certification that the installation is correct and that the equipment is operating satisfactorily.
- D. After the installation and operation of the equipment has been certified, the manufacturer's representative shall train the Owner's personnel for one, eight-hour day in the proper operation and maintenance of the equipment. The Owner may videotape the training.

### **PART 4 SPECIAL PROVISIONS**

#### **4.01 GAC MEDIA PRICING**

- A. Calgon Carbon will furnish and deliver to the job site the F400 media. Other items included with the media shall include the shop drawings, installation information, unloading of media, supervision and items required in 2.08.
- B. The Contractor shall include in the bid a price **\$51,600** for the GAC F400 media.  
**(Addendum 1, issued 2/13/2026)**

**4.02 INITIAL FILLING OF GAC VESSELS**

- A. It is expected the first 100,000 gallons of flow through the new GAC media in each vessel will be filtered to waste. Filter to waste can be achieved via the backwash pump and piping or a temporary 4-inch hose to be discharged to the backwash catch basin. The initial flow will need to be completed in stages to allow the WTP clearwells to fill and supply the flow to the vessels.

**4.03 BULK UNLOADING OF GAC**

- A. The GAC supplier will provide means for pressuring the delivery truck via an air compressor supplied with the trailer. A 2-inch hose thread will be installed at the GAC building for use by delivery personnel. Any variations required by the tank manufacturer shall be identified prior to Bidding. Cost for delivery and unloading of initial GAC loads are included in this Section.

END OF SECTION

**SECTION 16130**  
**CONDUIT, SURFACE METAL RACEWAYS, AND ACCESSORIES**

**PART 1 GENERAL**

**1.01 SCOPE**

- A. This Section includes all labor, tools, equipment, and materials necessary to provide conduits and surface metal raceways in accordance with the Drawings and as specified herein.

**1.02 SUBMITTALS**

- A. Submittals shall be in accordance with the requirements of Section 01300 and Section 16010 and shall include:
1. Shop Drawings for Review:
    - a. Wiring schematics with wire termination points identified.
    - b. A list of materials needed for construction, manufacturer's name and catalog numbers.
    - c. Provide conduit layout drawings. All conduit layouts shall show conduits and conduit types with anticipated number, size, and type of power, control or instrumentation conductors/cables, spares and grounds for each and every section of Division 16 requiring separate conduits. Location of floor and wall penetrations and separation between parallel conduits shall be dimensioned.
  2. Information for the Record:
    - a. Manufacturer's qualifications.
    - b. Manufacturer's technical product sheets on each component to be furnished.
    - c. Certified copies of field test procedures and results.
    - d. Manufacturer's recommended method of installation for the products to be furnished.
    - e. Operation and maintenance manuals for equipment provided, including accessories, and maintenance instructions.
    - f. Manufacturer's recommended spare parts list for the system components and accessories.
    - g. Provide warranty for review; executed copies shall be submitted when completed with copies included in the operation and maintenance manuals.

- h. Conduit layouts shall consist of “as-installed” drawings showing the exact location and routing of all conduits and conduit duct banks that are installed in or under paved areas, concrete slabs, direct buried, or otherwise concealed.
- i. Conduit layouts shall show conduits with number, size, and type of power, control or instrumentation conductors/cables, spares, and grounds for each and every section of Division 16 requiring separate conduits.
- j. Copies of certificates issued by the manufacturer of PVC coated rigid galvanized steel conduit to installers who have successfully completed the manufacturer’s installation training program.

### 1.03 QUALITY ASSURANCE

- A. Applicable Standards:
  - 1. NEMA.
  - 2. UL.
  - 3. ASTM.
  - 4. NEC.
  - 5. NFPA.

### 1.04 PRODUCT HANDLING

- A. Care shall be taken when handling materials. Deformed conduit and surface metal raceway materials shall not be installed. Conduits and surface metal raceways damaged during construction shall be replaced.

## PART 2 PRODUCTS

### 2.01 MATERIALS

- A. Metallic Conduit:
  - 1. Metallic conduit, including couplings, nipples, elbows, and bends shall conform to the Standard for Rigid Metallic Conduit of the UL accessories such as locknuts and connectors shall be zinc-coated for use with hot-dipped galvanized conduit.
  - 2. Rigid galvanized steel conduit shall conform to UL-6 Specification, ANSI C80.1, and FS WW-C581E.
- B. PVC Coated Conduit:
  - 1. A plastic coating shall completely encapsulate metallic conduit to provide total protection against corrosion.
  - 2. Conduit shall be galvanized inside and outside, including the threads.

3. Threads shall be coated with urethane over the galvanized threads. A minimum thickness of 40 mil PVC exterior coating shall be permanently fused to the galvanized rigid steel conduit.
  4. A urethane or polyurethane interior coating shall be applied at a nominal 2 mil thickness to the interior of the conduit and over the galvanized threads.
  5. The PVC coating on all form 8 fittings shall form a gasket-like flange covering the top of the fitting around the opening. All fittings shall have a minimum of 40 mils PVC coating even around the edge of covers.
  6. GUA type boxes shall be supplied with WOD type covers. (Feraloy iron instead of aluminum to prevent corrosive reaction between dissimilar metals.)
  7. Conduit fittings (couplings, elbows, etc.) shall be of the same material as the conduits and fittings to which they are attached.
  8. PVC coated conduit shall be UL listed and conform to the same standards as metallic conduit.
  9. PVC coated conduit shall be "OCAL BLUE" as manufactured by OCAL, Inc., "Permacote," "KorKap" or "Plasti-Bond" as manufactured by Robroy Industries, or equal.
  10. Conduit shall be supported by corrosion resistant straps and clamps.
- C. PVC Conduit:
1. Conduit shall be a minimum of Schedule 40 for ~~use only when encased in concrete~~ inside of unclassified building. **(Addendum 2, Issued 3/2/2026)**
  2. Concrete encasement for conduits shall be Class B as specified in Section 03300.
  3. Schedule 80 shall be used for direct-burial and exposed applications where shown on the Drawings.
  4. PVC conduit systems shall conform to FS WC 1094A, ASTM 512, NEMA TC2 and TC3, and to UL 651 and 514 b. All components shall be "Sunlight resistant" and so marked.
- D. Flexible Steel Conduit:
1. Flexible steel conduit shall be liquid tight Appleton Electric Company "Sealtite" or equal.
  2. Flexible steel conduit fittings shall be Thomas & Betts, Appleton, O-Z/Gedney, or equal.
- E. Flexible Metal Conduit - Flexible metal conduit (Greenfield) shall be used only where indicated on Drawings and approved by the Engineer.
- F. Bituminous Coating - All rigid galvanized conduit buried underground shall be coated on the outside with a standard petroleum self-priming asphaltic coating. This material shall meet the requirements of FS TT-V-51F, Varnish: Asphalt. It shall be free of lead and

chromate hazards. This material shall be lead and alkali resistant. PVC coated rigid galvanized conduit shall be exempt from bituminous coating requirement.

## 2.02 CONDUIT FITTINGS - GENERAL

- A. Fittings shall be vapor proof, weatherproof, and explosion-proof where so shown on the Drawings and required by NEC.
- B. Fittings for use with EMT and Greenfield shall be compatible with the type of conduit, and shall be of the same manufacturer.

## 2.03 CONDUIT FITTINGS - METALLIC

- A. Bushings 1-1/4 inches and larger shall be Type B insulated bushings as manufactured by O-Z/Gedney, Thomas & Betts, or equal.
- B. Ground bushings shall be Type BL bushings as manufactured by O-Z/Gedney, Thomas & Betts, or equal.
- C. Conduit fittings for use with metallic conduit shall be standard threaded type of cast ferrous construction to suit the location and purpose. Fittings shall be Crouse-Hinds, Appleton Electric, or equal.
- D. Covers shall be domed sheet metal, except in corrosive areas, where they shall be cast. All covers shall have gaskets.
- E. Exposed fittings, junction boxes, outlet boxes, terminal boxes, etc., shall be cast ferrous material threaded-hub type.

## 2.04 CONDUIT FITTINGS - PVC COATED

- A. Fittings for use with PVC coated conduit shall be compatible with the type of the PVC coated conduit, and shall be of the same manufacturer.

## 2.05 CONDUIT FITTINGS - PLASTIC

- A. Fittings for use with plastic conduit shall be compatible with the type of plastic conduit or duct used, and shall be of the same manufacturer.
- B. Adhesives for use with plastic conduit shall be compatible with the type of plastic conduit or duct used and shall be approved by the conduit or duct manufacturer.

## PART 3 EXECUTION

### 3.01 COORDINATION

- A. Coordinate with other Work including metal and concrete deck work to interface installation of conduits, surface metal raceways, and support components.
- B. Level and square conduits and surface metal raceways and install at proper elevations and heights.

- C. Complete the installation of conduits and surface metal raceways before installing any cables or wires.

### **3.02 OPENINGS AND SLEEVES**

- A. Electrical penetrations through an exterior surface shall be sealed and made water-tight with a modular mechanical seal of rubber links as manufactured by Link-Seal, O-Z/Gedney, or equal.
- B. Electrical penetrations through fire resistance rated walls or floors shall be fire stopped as required by the NEC using the approved method as recommended by the manufacturer. Fire stops (e.g. caulk) shall have a 3-hour, fire-resistance rating, and shall be made by the 3M Company, or equal.
- C. Electrical penetrations to hazardous areas shall be gas-tight and fire-stopped using “Link-Seal” FD or FS seals as manufactured by Thunderline Corporation, or equal.

### **3.03 EXCAVATION AND BACKFILL**

- A. Excavation and backfill required for the installation of underground conduits shall be done in accordance with Section 02200.
- B. Excavation shall not be done until immediately before installation of the specified appurtenances. Cuts shall be done in a workmanlike manner so as to cause the least possible damage.
- C. After backfilling, the excavation shall be kept well filled and maintained in a smooth and well-drained condition until permanent surfaces are restored. All surplus excavated material shall be removed and properly disposed of by Contractor.
- D. Direct-buried conduit shall be backfilled to provide 18 to 24 inches of cover above the top of the highest conduit.
- E. Place a 6-inch-wide, yellow, foil-backed, yellow tape with black lettering reading “ELECTRIC LINE” in the trench, and then complete backfilling operations. Tape shall be Thomas & Betts “E-Z-CODE” NAF-0708, or equal.
- F. Directional drilling shall be allowed only in areas known to be free of existing underground piping and electrical systems.

### **3.04 MOUNTING AND ATTACHMENT**

- A. Contractor shall provide all devices and materials such as expansion bolts, foundation bolts, screws, channels, angles, and other attaching means required to fasten conduits to concrete bases or structures which are existing, or provided under other sections of the Contract.

### 3.05 CONDUIT AND FITTINGS - GENERAL

- A. Minimum size of conduit shall be 3/4 inch, except that concealed homeruns, underground, and embedded conduits shall not be less than 1 inch.
- B. Conduits shall be located for protection from mechanical damage.
- C. Conduits shall be sized in accordance with the NEC and based on 40% fill based on over two wires, or as shown on Drawings, whichever conduit size is larger.
- D. Conduit stub-ups between underground or slab construction and exposed or concealed wall construction shall be elbows of rigid metallic conduit, and shall have an ample coating of asphaltic paint prior to the placement of concrete unless otherwise noted.
- E. Conduits with free ends not containing conductors shall be threaded and provided with plumber's caps or with couplings and plugs where flush terminations are required.
- F. Flexible connections to all equipment subject to movement or vibration shall be made by means of liquid tight flexible steel conduit equal in length to approximately ten times the diameter of the conduit, but not exceeding 3 feet in length. Explosion-proof flexible couplings shall be used in place of liquid tight flexible steel conduit in Class I, Division 1 and Class II, Division 1 hazardous areas.
- G. Conduit runs subject to motion in excess of the capacities of the fittings specified above shall be provided with other approved means of compensating for the motion. Unless otherwise specified or required, expansion fittings shall be installed at the midpoint of their extension.
- H. Conduits to pumps or other equipment shall, unless otherwise shown on the Drawings, be routed through or below concrete floor slabs.
- I. Runs on floor slabs are not permitted unless specifically shown as such on the Contract Drawings.
- J. Conduits shall be concealed in all locations where walls are faced with glazed tile or ceilings are suspended and where called for on the Drawings. Wherever conduit is concealed in masonry of any type, it shall be the responsibility of the Contractor to maintain a clear passageway throughout the entire conduit system, and to clean the conduit system before installing the conductors.
- K. Conduit runs in poured concrete structures containing expansion joints, approved expansion/deflection joints shall be provided in the conduit. All such expansion joints shall be made watertight. Similar expansion/deflection joints shall be installed wherever conduit crosses structural expansion joints, or is attached to two separate structures, or wherever the conduit run is more than 100 feet in straight length.
- L. Where conduit bushings are constructed wholly of insulating material, a locknut shall be installed both inside and outside the enclosure to which the conduit is attached. Ungrounded conductors of No. 4 AWG or larger shall be protected with insulated throat bushings or hubs where entering or leaving an enclosure in conduit systems.

- M. Pulling distances shall be limited to a maximum of 200 feet so as not to exceed the wire manufacturer's maximum pulling tensions, and suitable pull boxes, etc., shall be provided whether shown on the Drawings or not.
- N. Unused openings in conduit bodies and cast enclosures shall be plugged using Appleton Cat. No. PL6, or equal.
- O. The sum of the conduit bend angles between pull points shall not exceed 270 degrees. Bends in conduit containing medium voltage cables shall have a minimum radius of 36 inches.
- P. In hazardous areas, all fittings, material, and equipment shall be rigid metallic steel or PVC coated rigid metallic steel.
- Q. Conduits between hazardous and non-hazardous areas shall include seal-off fittings as required by the NEC and local codes, and the complete installation shall be in accordance with the requirements of such codes.
- R. Seal-off fittings shall be exposed. Sealing compound shall be "Chico" by Crouse-Hinds, or equal. All components and installation in hazardous areas shall conform to the requirements of NEC and all local codes.
- S. Conduits through which moisture may contact live energized parts shall be sealed or plugged at either or both ends per NEC 300.5(G) and 230.8. Spare or unused conduits shall also be sealed. Provide drains and breathers so moisture will not accumulate inside conduit.
- T. Conduits subject to motion at right angles to the direction of the run and all conduits in concrete shall be equipped with O-Z/Gedney Type DX, Thomas & Betts, or equal expansion and deflection fittings.
- U. Inside surfaces of all conduits shall be free from any imperfection likely to damage conductors or cables during installation.
- V. During construction, open ends of conduits shall be capped or plugged to keep out debris. These caps or plugs shall remain in place until wires or cables are pulled through the conduit.
- W. Spare conduits and those provided by the contractor for use by others shall have a pull string installed. Coil up at least 24 inches of extra string at each end.

### **3.06 CONDUIT AND FITTINGS - METALLIC**

- A. Exposed conduit shall be rigid metallic conduit unless otherwise noted.
- B. Rigid metallic conduit shall be installed in true alignment and sloped for drainage wherever necessary; underground conduits shall be drained to manholes or pull boxes.
- C. Rigid metallic conduit shall be reamed free from burrs and carefully cleaned before installation.
- D. When required, conduit unions shall be provided. Running threads will not be permitted.

- E. Conduit fastened directly to structures shall be held with one-hole, malleable iron clamps and clampbacks, or otherwise suitably spaced from concrete or masonry surfaces. Concealed rigid metallic conduit shall be installed in as direct a line as possible and shall be rigidly supported by approved methods and materials.
- F. Exposed rigid metallic conduit shall be installed parallel with or at right angles to the lines of the structure, except as otherwise shown, and supported in an approved manner.
- G. Conduits entering a NEMA 3R, 4, 4X, or 12 enclosures shall be installed using watertight fittings of die cast zinc material. Fittings shall be Appleton HUB-XXD, or equal.
- H. Expansion fittings shall be installed in all rigid metallic conduit runs which cross expansion joints, and shall be Type AX as manufactured by O-Z/Gedney or Thomas & Betts.

### **3.07 CONDUIT AND FITTINGS - PVC COATED RIGID GALVANIZED STEEL**

- A. PVC coated rigid galvanized steel (RGS) conduit shall be installed per the manufacturer's instructions. Only tools approved by the manufacturer of the conduit shall be used.
- B. Installers of PVC coated RGS conduit must be certified by the conduit manufacturer to install this type of conduit. Proof of certification shall be furnished to the Engineer.
- C. PVC coated RGS conduit shall be used wherever shown on the Drawings by the notation "PVC/RGS", and in all areas where highly corrosive or highly humid atmospheres can exist, whether shown on the Drawings or not. Such areas include, but are not limited to, chemical feed and storage areas, solids storage facilities, wet wells, near the surfaces of standing or running water such as in aeration tanks, digestion tanks, open channels, and clarifiers or settling tanks.
- D. PVC coated galvanized rigid steel conduit shall only be used with threaded fittings. Threadless fittings shall not be used.
- E. The installation of PVC coated RGS conduit shall conform to the requirements for metallic conduit.
- F. Before assembly, field-cut threads shall be coated with an electrically conductive compound approved by the conduit manufacturer.

### **3.08 UNDERGROUND CONDUIT**

- A. Underground non-concrete encased conduit shall be installed with a detectable warning tape. If the conduit contains a detectable wire, a warning tape shall still be provided. Underground conduit shall be concrete-encased where shown. The top of underground conduit shall be not less than 30 inches below grade unless otherwise specified. Concrete encasement shall provide a minimum cover of 6 inches on top and bottom, and 6 inches on the sides. Horizontal curves, where necessary, shall be drawn on radii of not less than 6 trade diameters of the largest conduit in the duct bank.

- B. PVC conduit and fittings for use in underground duct banks shall be Schedule 40. PVC conduit shall be Schedule 80 where direct-buried.
- C. Conduits for concrete-encased duct banks shall be securely held in place by approved window type spacer supports, and shall be laid with joints staggered.
- D. The ends of each conduit run which is not to contain wiring under this Contract shall be plugged or capped with manufactured plugs or caps.
- E. Conduits shall enter manholes and structures at right angles unless otherwise shown.
- F. Conduits shall terminate with a bell end at each manhole entrance.
- G. Under pavement conduit crossings shall have a 6-inch minimum concrete cover all around and be reinforced as detailed for a length extending 5 feet on each side of the pavement.
- H. Slope for drainage away from building interiors shall be provided. Where inverted elevations are specified, they shall be adhered to, unless the Contractor obtains approval on an alternative layout.
- I. Concrete for all underground conduit encased in concrete shall be mixed with five pounds of red dye for each cubic yard of concrete. Red topped concrete shall not be permitted instead of red dyed concrete.

### **3.09 SURFACE METAL RACEWAYS**

- A. Surface mounted metal raceways shall only be used in dry locations where exposed or under raised floors of information technology rooms per Section NEC 645.5(D)(2).
- B. Surface mounted metal raceways shall not be used in Class I hazardous areas, where subject to severe physical damage, where the voltage between the wires is greater than 300 volts, where subject to corrosive vapors, in hoistways, and concealed locations not mentioned in A. above.
- C. The number and size of conductors within surface metal raceways shall not exceed what the raceway was designed for. See the manufacturer's installation instructions to determine capacity.
- D. Cables shall be permitted to be installed in surface metal raceways only where such use is permitted by the respective cable article in the NEC.
- E. Surface metal raceways shall be securely fastened to the surface on which they are mounted in accordance with the manufacturer's instructions.
- F. Surface metal raceways shall be grounded and bonded in accordance with NEC Articles 250 and 386.
- G. Splices shall not be made within surface metal raceways.

### 3.10 EXPLOSION-PROOF CONDUIT FITTINGS

- A. The cross-sectional area of the conductors permitted in a seal shall not exceed 25% of the cross-sectional area of a rigid metal conduit of the same trade size unless it is specifically listed for a higher percentage of fill.
- B. Motors and other devices subject to vibration and movement located in Class I, Division 1 and Class II, Division 1 areas shall be connected using explosion-proof flexible couplings. Explosion-proof flexible couplings may also be used in place of rigid conduit in difficult bend situations.

### 3.11 BELOW-GRADE GALVANIZED CONDUIT

- A. All rigid galvanized conduit buried underground shall be coated on the outside with a self-priming, standard petroleum asphaltic coating. This coating shall have a thickness when dry of at least 1 mil.
- B. The asphaltic coating may be dipped, brushed or sprayed on the exterior surface of the conduit.
- C. Before application, surface should be free of grease, oil, dirt, fingerprints, drawing compounds, any other contaminant, and surface passivation treatments to ensure optimum adhesion and coating performance properties.

## PART 4 SPECIAL PROVISIONS

### 4.01 CONDUIT LOCATION SCHEDULE

- A. Exterior above grade – RGS.
- B. Exterior below grade.
  - 1. Direct bury – SCH 80 PVC.
- C. Interior (unclassified) – ~~RGS~~ SCH 40 PVC. **(Addendum 2, Issued 3/2/2026)**
- D. Chemical areas –PVC/RGS.

END OF SECTION